

GOMOS Daily Report 07-JUN-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 | 09JUN2011 11:24:58 |
| Data source version | GOMOS/5.01 |
| Start time of products | 07JUN2011 00:01:36 |
| Stop time of products | 07JUN2011 23:56:25 |
| Store outputs in DB | Yes |
| Nb of level 1b prods | 294 |
| Nb of prods with errors | 3 |

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

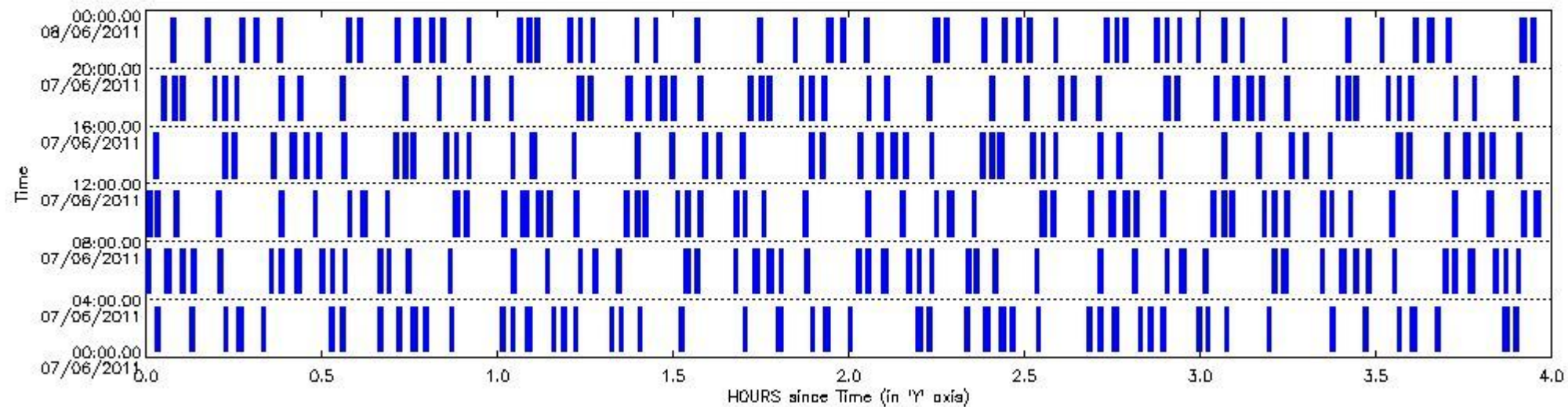
2.1 Level 0 products arrived in PCF (see template [here](#))

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_1PNPDE20110607_000136_000000483103_00174_48464_3680.N1 | 07-JUN-2011 00:01:36 | Bright | 48.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 96 | 48464 | No |
| 2 | GOM_TRA_1PNPDE20110607_000724_000000463103_00174_48464_3681.N1 | 07-JUN-2011 00:07:24 | Bright | 45.500 | 76 | 27Gam Cas | 2.3000 | 30000. | 91 | 48464 | No |
| 3 | GOM_TRA_1PNPDE20110607_001309_000000383103_00174_48464_3682.N1 | 07-JUN-2011 00:13:09 | Bright | 37.500 | 73 | 57Gam1And | 2.2600 | 13100. | 75 | 48464 | No |
| 4 | GOM_TRA_1PNPDE20110607_001527_000000613103_00174_48464_3683.N1 | 07-JUN-2011 00:15:27 | Bright | 61.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 122 | 48464 | No |
| 5 | GOM_TRA_1PNPDE20110607_001936_000000433103_00174_48464_3684.N1 | 07-JUN-2011 00:19:36 | Twilight | 43.000 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 86 | 48464 | No |
| 6 | GOM_TRA_1PNPDE20110607_003258_000000503103_00174_48464_3695.N1 | 07-JUN-2011 00:32:58 | Dark | 49.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 99 | 48464 | No |
| 7 | GOM_TRA_1PNPDE20110607_003931_000000463103_00174_48464_3696.N1 | 07-JUN-2011 00:39:31 | Dark | 45.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 91 | 48464 | No |
| 8 | GOM_TRA_1PNPDE20110607_004241_000000603103_00174_48464_3697.N1 | 07-JUN-2011 00:42:41 | Dark | 60.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 120 | 48464 | No |
| 9 | GOM_TRA_1PNPDE20110607_004516_000000653103_00175_48465_3698.N1 | 07-JUN-2011 00:45:16 | Dark | 65.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 130 | 48465 | No |
| 10 | GOM_TRA_1PNPDE20110607_004715_000000453103_00175_48465_3699.N1 | 07-JUN-2011 00:47:15 | Dark | 44.500 | 31 | Alp Gru | 1.7340 | 15200. | 89 | 48465 | No |
| 11 | GOM_TRA_1PNPDE20110607_005146_000000433103_00175_48465_3700.N1 | 07-JUN-2011 00:51:46 | Straylight | 42.500 | 45 | Alp Pav | 1.9400 | 26000. | 85 | 48465 | No |
| 12 | GOM_TRA_1PNPDE20110607_010027_000000443103_00175_48465_3701.N1 | 07-JUN-2011 01:00:27 | Straylight | 44.000 | 40 | The Sco | 1.8590 | 7100.0 | 88 | 48465 | No |

| | | | | | | | | | | | |
|----|--|----------------------|------------|--------|-----|-----------|--------|--------|-----|-------|-----|
| 13 | GOM_TRA_1PNPDE20110607_010212_000000473103_00175_48465_3702.N1 | 07-JUN-2011 01:02:12 | Twilight | 46.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 93 | 48465 | No |
| 14 | GOM_TRA_1PNPDE20110607_010447_000000613103_00175_48465_3703.N1 | 07-JUN-2011 01:04:47 | Bright | 60.500 | 137 | 22Lam Sgr | 2.8240 | 4400.0 | 121 | 48465 | No |
| 15 | GOM_TRA_1PNPDE20110607_010910_000000423103_00175_48465_3704.N1 | 07-JUN-2011 01:09:10 | Bright | 42.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 84 | 48465 | No |
| 16 | GOM_TRA_1PNPDE20110607_011057_000000393103_00175_48465_3705.N1 | 07-JUN-2011 01:10:57 | Bright | 39.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 78 | 48465 | No |
| 17 | GOM_TRA_1PNPDE20110607_011304_000000383103_00175_48465_3706.N1 | 07-JUN-2011 01:13:04 | Bright | 37.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 75 | 48465 | No |
| 18 | GOM_TRA_1PNPDE20110607_011913_000000363103_00175_48465_3707.N1 | 07-JUN-2011 01:19:13 | Bright | 36.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 72 | 48465 | No |
| 19 | GOM_TRA_1PNPDE20110607_012041_000000403103_00175_48465_3708.N1 | 07-JUN-2011 01:20:41 | Bright | 40.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 80 | 48465 | No |
| 20 | GOM_TRA_1PNPDE20110607_012354_000000393103_00175_48465_3709.N1 | 07-JUN-2011 01:23:54 | Bright | 38.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 77 | 48465 | No |
| 21 | GOM_TRA_1PNPDE20110607_013104_000000403103_00175_48465_3710.N1 | 07-JUN-2011 01:31:04 | Bright | 39.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 79 | 48465 | No |
| 22 | GOM_TRA_1PNPDE20110607_014149_000000463103_00175_48465_3711.N1 | 07-JUN-2011 01:41:49 | Bright | 46.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 92 | 48465 | No |
| 23 | GOM_TRA_1PNPDE20110607_014738_000000583103_00175_48465_3712.N1 | 07-JUN-2011 01:47:38 | Bright | 58.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 116 | 48465 | No |
| 24 | GOM_TRA_1PNPDE20110607_015323_000000363103_00175_48465_3713.N1 | 07-JUN-2011 01:53:23 | Bright | 35.500 | 73 | 57Gam1And | 2.2600 | 13100. | 71 | 48465 | No |
| 25 | GOM_TRA_1PNPDE20110607_015541_000000613103_00175_48465_3714.N1 | 07-JUN-2011 01:55:41 | Bright | 61.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 122 | 48465 | No |
| 26 | GOM_TRA_1PNPDE20110607_015950_000000433103_00175_48465_3715.N1 | 07-JUN-2011 01:59:50 | Twilight | 42.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 85 | 48465 | No |
| 27 | GOM_TRA_1PNPDE20110607_021313_000000533103_00175_48465_3714.N1 | 07-JUN-2011 02:13:13 | Dark | 52.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 105 | 48465 | No |
| 28 | GOM_TRA_1PNPDE20110607_021946_000000463103_00175_48465_3715.N1 | 07-JUN-2011 02:19:46 | Dark | 45.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 91 | 48465 | No |
| 29 | GOM_TRA_1PNPDE20110607_022257_000000573103_00175_48465_3716.N1 | 07-JUN-2011 02:22:57 | Dark | 57.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 114 | 48465 | No |
| 30 | GOM_TRA_1PNPDE20110607_022531_000000643103_00176_48466_3717.N1 | 07-JUN-2011 02:25:31 | Dark | 64.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 128 | 48466 | No |
| 31 | GOM_TRA_1PNPDE20110607_022730_000000483103_00176_48466_3718.N1 | 07-JUN-2011 02:27:30 | Dark | 48.000 | 31 | Alp Gru | 1.7340 | 15200. | 96 | 48466 | No |
| 32 | GOM_TRA_1PNPDE20110607_023200_000000433103_00176_48466_3719.N1 | 07-JUN-2011 02:32:00 | Straylight | 42.500 | 45 | Alp Pav | 1.9400 | 26000. | 85 | 48466 | No |
| 33 | GOM_TRA_1PNPDE20110607_024041_000000473103_00176_48466_3720.N1 | 07-JUN-2011 02:40:41 | Straylight | 46.500 | 40 | The Sco | 1.8590 | 7100.0 | 93 | 48466 | No |
| 34 | GOM_TRA_1PNPDE20110607_024226_000000473103_00176_48466_3721.N1 | 07-JUN-2011 02:42:26 | Twilight | 47.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 94 | 48466 | No |
| 35 | GOM_TRA_1PNPDE20110607_024501_000000653103_00176_48466_3722.N1 | 07-JUN-2011 02:45:01 | Bright | 65.000 | 137 | 22Lam Sgr | 2.8240 | 4400.0 | 130 | 48466 | No |
| 36 | GOM_TRA_1PNPDE20110607_024924_000000433103_00176_48466_3723.N1 | 07-JUN-2011 02:49:24 | Bright | 42.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 85 | 48466 | No |
| 37 | GOM_TRA_1PNPDE20110607_025111_000000413103_00176_48466_3724.N1 | 07-JUN-2011 02:51:11 | Bright | 40.500 | 98 | 13Zet Oph | 2.5710 | 30000. | 81 | 48466 | No |
| 38 | GOM_TRA_1PNPDE20110607_025318_000000383103_00176_48466_3725.N1 | 07-JUN-2011 02:53:18 | Bright | 37.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 75 | 48466 | No |
| 39 | GOM_TRA_1PNPDE20110607_025926_000000433103_00176_48466_3726.N1 | 07-JUN-2011 02:59:26 | Bright | 43.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 86 | 48466 | No |
| 40 | GOM_TRA_1PNPDE20110607_030055_000000423103_00176_48466_3727.N1 | 07-JUN-2011 03:00:55 | Bright | 41.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 83 | 48466 | No |
| 41 | GOM_TRA_1PNPDE20110607_030408_000000413103_00176_48466_3728.N1 | 07-JUN-2011 03:04:08 | Bright | 41.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 82 | 48466 | No |
| 42 | GOM_TRA_1PNPDE20110607_031118_000000413103_00176_48466_3729.N1 | 07-JUN-2011 03:11:18 | Bright | 41.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 82 | 48466 | No |
| 43 | GOM_TRA_1PNPDE20110607_032203_000000483103_00176_48466_3740.N1 | 07-JUN-2011 03:22:03 | Bright | 47.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 95 | 48466 | Yes |
| 44 | GOM_TRA_1PNPDE20110607_032751_000000443103_00176_48466_3741.N1 | 07-JUN-2011 03:27:51 | Bright | 44.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 88 | 48466 | No |
| 45 | GOM_TRA_1PNPDE20110607_033337_000000393103_00176_48466_3742.N1 | 07-JUN-2011 03:33:37 | Bright | 38.500 | 73 | 57Gam1And | 2.2600 | 13100. | 77 | 48466 | No |
| 46 | GOM_TRA_1PNPDE20110607_033555_000000613103_00176_48466_3743.N1 | 07-JUN-2011 03:35:55 | Bright | 61.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 122 | 48466 | No |
| 47 | GOM_TRA_1PNPDE20110607_034005_000000443103_00176_48466_3744.N1 | 07-JUN-2011 03:40:05 | Twilight | 43.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 87 | 48466 | No |
| 48 | GOM_TRA_1PNPDE20110607_035328_000000513103_00176_48466_3745.N1 | 07-JUN-2011 03:53:28 | Dark | 50.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 101 | 48466 | No |
| 49 | GOM_TRA_1PNPDE20110607_040001_000000433103_00176_48466_3746.N1 | 07-JUN-2011 04:00:01 | Dark | 43.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 86 | 48466 | No |
| 50 | GOM_TRA_1PNPDE20110607_040312_000000573103_00176_48466_3747.N1 | 07-JUN-2011 04:03:12 | Dark | 56.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 113 | 48466 | No |
| 51 | GOM_TRA_1PNPDE20110607_040547_000000493103_00177_48467_3748.N1 | 07-JUN-2011 04:05:47 | Dark | 49.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 98 | 48467 | No |
| 52 | GOM_TRA_1PNPDE20110607_040745_000000463103_00177_48467_3749.N1 | 07-JUN-2011 04:07:45 | Dark | 45.500 | 31 | Alp Gru | 1.7340 | 15200. | 91 | 48467 | No |
| 53 | GOM_TRA_1PNPDE20110607_041215_000000473103_00177_48467_3750.N1 | 07-JUN-2011 04:12:15 | Straylight | 46.500 | 45 | Alp Pav | 1.9400 | 26000. | 93 | 48467 | No |
| 54 | GOM_TRA_1PNPDE20110607_042056_000000483103_00177_48467_3751.N1 | 07-JUN-2011 04:20:56 | Straylight | 47.500 | 40 | The Sco | 1.8590 | 7100.0 | 95 | 48467 | No |
| 55 | GOM_TRA_1PNPDE20110607_042241_000000463103_00177_48467_3752.N1 | 07-JUN-2011 04:22:41 | Twilight | 46.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 92 | 48467 | No |
| 56 | GOM_TRA_1PNPDE20110607_042515_000000663103_00177_48467_3753.N1 | 07-JUN-2011 04:25:15 | Bright | 65.500 | 137 | 22Lam Sgr | 2.8240 | 4400.0 | 131 | 48467 | No |
| 57 | GOM_TRA_1PNPDE20110607_042938_000000433103_00177_48467_3754.N1 | 07-JUN-2011 04:29:38 | Bright | 42.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 85 | 48467 | No |
| 58 | GOM_TRA_1PNPDE20110607_043125_000000393103_00177_48467_3755.N1 | 07-JUN-2011 04:31:25 | Bright | 39.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 78 | 48467 | No |
| 59 | GOM_TRA_1PNPDE20110607_043332_000000383103_00177_48467_3756.N1 | 07-JUN-2011 04:33:32 | Bright | 37.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 75 | 48467 | No |
| 60 | GOM_TRA_1PNPDE20110607_043940_000000433103_00177_48467_3757.N1 | 07-JUN-2011 04:39:40 | Bright | 43.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 86 | 48467 | No |
| 61 | GOM_TRA_1PNPDE20110607_044109_000000403103_00177_48467_3758.N1 | 07-JUN-2011 04:41:09 | Bright | 40.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 80 | 48467 | No |
| 62 | GOM_TRA_1PNPDE20110607_044422_000000423103_00177_48467_3759.N1 | 07-JUN-2011 04:44:22 | Bright | 41.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 83 | 48467 | No |
| 63 | GOM_TRA_1PNPDE20110607_045131_000000443103_00177_48467_3760.N1 | 07-JUN-2011 04:51:31 | Bright | 43.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 87 | 48467 | No |
| 64 | GOM_TRA_1PNPDE20110607_050216_000000493103_00177_48467_3761.N1 | 07-JUN-2011 05:02:16 | Bright | 48.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 97 | 48467 | No |
| 65 | GOM_TRA_1PNPDE20110607_050805_000000383103_00177_48467_3759.N1 | 07-JUN-2011 05:08:05 | Bright | 37.500 | 76 | 27Gam Cas | 2.3000 | 30000. | 75 | 48467 | No |
| 66 | GOM_TRA_1PNPDE20110607_051352_000000353103_00177_48467_3760.N1 | 07-JUN-2011 05:13:52 | Bright | 35.000 | 73 | 57Gam1And | 2.2600 | 13100. | 70 | 48467 | No |
| 67 | GOM_TRA_1PNPDE20110607_051609_000000613103_00177_48467_3761.N1 | 07-JUN-2011 05:16:09 | Bright | 61.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 122 | 48467 | No |
| 68 | GOM_TRA_1PNPDE20110607_052019_000000433103_00177_48467_3762.N1 | 07-JUN-2011 05:20:19 | Twilight | 43.000 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 86 | 48467 | No |
| 69 | GOM_TRA_1PNPDE20110607_053343_000000493103_00177_48467_3763.N1 | 07-JUN-2011 05:33:43 | Dark | 49.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 98 | 48467 | No |
| 70 | GOM_TRA_1PNPDE20110607_054015_000000443103_00177_48467_3764.N1 | 07-JUN-2011 05:40:15 | Dark | 43.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 87 | 48467 | No |
| 71 | GOM_TRA_1PNPDE20110607_054328_000000643103_00177_48467_3765.N1 | 07-JUN-2011 05:43:28 | Dark | 63.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 127 | 48467 | No |

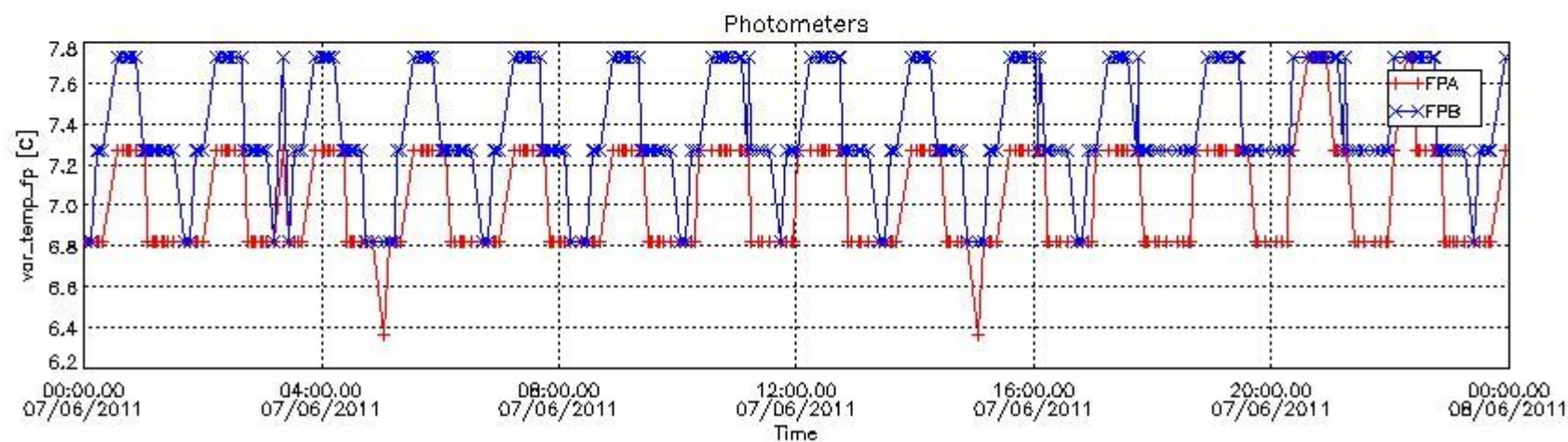
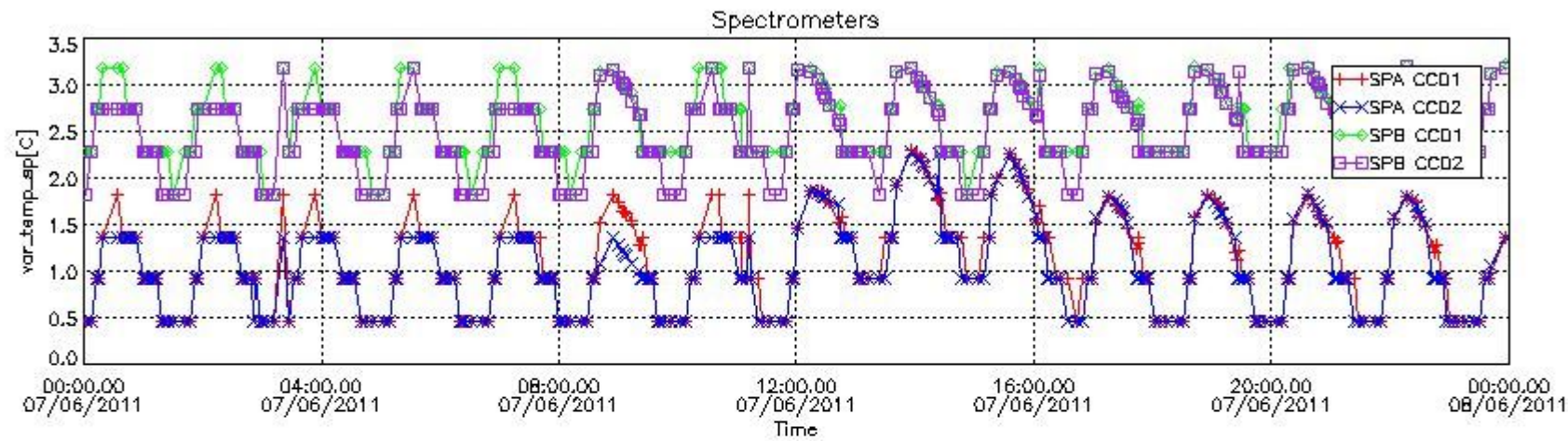
| | | | | | | | | | | | |
|-----|--|----------------------|--------------------|--------|-----|-----------|--------|--------|-----|-------|----|
| 72 | GOM_TRA_1PNPDE20110607_054601_000000623103_00178_48468_3766.N1 | 07-JUN-2011 05:46:01 | Dark | 61.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 123 | 48468 | No |
| 73 | GOM_TRA_1PNPDE20110607_054800_000000463103_00178_48468_3767.N1 | 07-JUN-2011 05:48:00 | Dark | 46.000 | 31 | Alp Gru | 1.7340 | 15200. | 92 | 48468 | No |
| 74 | GOM_TRA_1PNPDE20110607_055230_000000473103_00178_48468_3768.N1 | 07-JUN-2011 05:52:30 | Straylight | 47.000 | 45 | Alp Pav | 1.9400 | 26000. | 94 | 48468 | No |
| 75 | GOM_TRA_1PNPDE20110607_060110_000000483103_00178_48468_3769.N1 | 07-JUN-2011 06:01:10 | Straylight | 47.500 | 40 | The Sco | 1.8590 | 7100.0 | 95 | 48468 | No |
| 76 | GOM_TRA_1PNPDE20110607_060255_000000453103_00178_48468_3770.N1 | 07-JUN-2011 06:02:55 | Twilight_and_stray | 44.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 89 | 48468 | No |
| 77 | GOM_TRA_1PNPDE20110607_060530_000000603103_00178_48468_3771.N1 | 07-JUN-2011 06:05:30 | Bright | 59.500 | 137 | 22Lam Sgr | 2.8240 | 4400.0 | 119 | 48468 | No |
| 78 | GOM_TRA_1PNPDE20110607_060952_000000433103_00178_48468_3772.N1 | 07-JUN-2011 06:09:52 | Bright | 42.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 85 | 48468 | No |
| 79 | GOM_TRA_1PNPDE20110607_061139_000000393103_00178_48468_3773.N1 | 07-JUN-2011 06:11:39 | Bright | 39.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 78 | 48468 | No |
| 80 | GOM_TRA_1PNPDE20110607_061346_000000383103_00178_48468_3774.N1 | 07-JUN-2011 06:13:46 | Bright | 37.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 75 | 48468 | No |
| 81 | GOM_TRA_1PNPDE20110607_061953_000000503103_00178_48468_3775.N1 | 07-JUN-2011 06:19:53 | Bright | 50.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 100 | 48468 | No |
| 82 | GOM_TRA_1PNPDE20110607_062122_000000393103_00178_48468_3776.N1 | 07-JUN-2011 06:21:22 | Bright | 38.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 77 | 48468 | No |
| 83 | GOM_TRA_1PNPDE20110607_062435_000000423103_00178_48468_3777.N1 | 07-JUN-2011 06:24:35 | Bright | 42.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 84 | 48468 | No |
| 84 | GOM_TRA_1PNPDE20110607_063145_000000423103_00178_48468_3778.N1 | 07-JUN-2011 06:31:45 | Bright | 42.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 84 | 48468 | No |
| 85 | GOM_TRA_1PNPDE20110607_064230_000000493103_00178_48468_3779.N1 | 07-JUN-2011 06:42:30 | Bright | 49.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 98 | 48468 | No |
| 86 | GOM_TRA_1PNPDK20110607_064819_000000583103_00178_48468_0966.N1 | 07-JUN-2011 06:48:19 | Bright | 58.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 116 | 48468 | No |
| 87 | GOM_TRA_1PNPDK20110607_065406_000000353103_00178_48468_0967.N1 | 07-JUN-2011 06:54:06 | Bright | 34.500 | 73 | 57Gam1And | 2.2600 | 13100. | 69 | 48468 | No |
| 88 | GOM_TRA_1PNPDK20110607_065623_000000613103_00178_48468_0968.N1 | 07-JUN-2011 06:56:23 | Bright | 61.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 122 | 48468 | No |
| 89 | GOM_TRA_1PNPDK20110607_070033_000000443103_00178_48468_0969.N1 | 07-JUN-2011 07:00:33 | Twilight | 43.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 87 | 48468 | No |
| 90 | GOM_TRA_1PNPDK20110607_071358_000000523103_00178_48468_0970.N1 | 07-JUN-2011 07:13:58 | Dark | 51.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 103 | 48468 | No |
| 91 | GOM_TRA_1PNPDK20110607_072030_000000423103_00178_48468_0971.N1 | 07-JUN-2011 07:20:30 | Dark | 41.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 83 | 48468 | No |
| 92 | GOM_TRA_1PNPDK20110607_072343_000000703103_00178_48468_0972.N1 | 07-JUN-2011 07:23:43 | Dark | 70.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 140 | 48468 | No |
| 93 | GOM_TRA_1PNPDK20110607_072616_000000463103_00179_48469_0973.N1 | 07-JUN-2011 07:26:16 | Dark | 45.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 91 | 48469 | No |
| 94 | GOM_TRA_1PNPDK20110607_072815_000000453103_00179_48469_0974.N1 | 07-JUN-2011 07:28:15 | Dark | 44.500 | 31 | Alp Gru | 1.7340 | 15200. | 89 | 48469 | No |
| 95 | GOM_TRA_1PNPDK20110607_073245_000000413103_00179_48469_0975.N1 | 07-JUN-2011 07:32:45 | Straylight | 41.000 | 45 | Alp Pav | 1.9400 | 26000. | 82 | 48469 | No |
| 96 | GOM_TRA_1PNPDK20110607_074125_000000443103_00179_48469_0976.N1 | 07-JUN-2011 07:41:25 | Straylight | 43.500 | 40 | The Sco | 1.8590 | 7100.0 | 87 | 48469 | No |
| 97 | GOM_TRA_1PNPDK20110607_074310_000000443103_00179_48469_0977.N1 | 07-JUN-2011 07:43:10 | Twilight_and_stray | 44.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 88 | 48469 | No |
| 98 | GOM_TRA_1PNPDK20110607_074544_000000613103_00179_48469_0978.N1 | 07-JUN-2011 07:45:44 | Bright | 61.000 | 137 | 22Lam Sgr | 2.8240 | 4400.0 | 122 | 48469 | No |
| 99 | GOM_TRA_1PNPDK20110607_075007_000000433103_00179_48469_0979.N1 | 07-JUN-2011 07:50:07 | Bright | 43.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 86 | 48469 | No |
| 100 | GOM_TRA_1PNPDK20110607_075153_000000393103_00179_48469_1090.N1 | 07-JUN-2011 07:51:53 | Bright | 39.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 78 | 48469 | No |
| 101 | GOM_TRA_1PNPDK20110607_075400_000000383103_00179_48469_1091.N1 | 07-JUN-2011 07:54:00 | Bright | 37.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 75 | 48469 | No |
| 102 | GOM_TRA_1PNPDK20110607_080006_000000493103_00179_48469_1092.N1 | 07-JUN-2011 08:00:06 | Bright | 49.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 98 | 48469 | No |
| 103 | GOM_TRA_1PNPDK20110607_080136_000000423103_00179_48469_1093.N1 | 07-JUN-2011 08:01:36 | Bright | 42.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 84 | 48469 | No |
| 104 | GOM_TRA_1PNPDK20110607_080449_000000403103_00179_48469_1094.N1 | 07-JUN-2011 08:04:49 | Bright | 40.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 80 | 48469 | No |
| 105 | GOM_TRA_1PNPDK20110607_081158_000000433103_00179_48469_1095.N1 | 07-JUN-2011 08:11:58 | Bright | 42.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 85 | 48469 | No |
| 106 | GOM_TRA_1PNPDK20110607_082243_000000463103_00179_48469_1096.N1 | 07-JUN-2011 08:22:43 | Bright | 46.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 92 | 48469 | No |
| 107 | GOM_TRA_1PNPDK20110607_082833_000000403103_00179_48469_1097.N1 | 07-JUN-2011 08:28:33 | Bright | 40.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 80 | 48469 | No |
| 108 | GOM_TRA_1PNPDK20110607_083420_000000353103_00179_48469_1098.N1 | 07-JUN-2011 08:34:20 | Bright | 35.000 | 73 | 57Gam1And | 2.2600 | 13100. | 70 | 48469 | No |
| 109 | GOM_TRA_1PNPDK20110607_083637_000000613103_00179_48469_1099.N1 | 07-JUN-2011 08:36:37 | Bright | 61.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 122 | 48469 | No |
| 110 | GOM_TRA_1PNPDK20110607_084048_000000423103_00179_48469_1100.N1 | 07-JUN-2011 08:40:48 | Twilight | 41.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 83 | 48469 | No |
| 111 | GOM_TRA_1PNPDK20110607_085413_000000523103_00179_48469_1101.N1 | 07-JUN-2011 08:54:13 | Dark | 51.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 103 | 48469 | No |
| 112 | GOM_TRA_1PNPDK20110607_090045_000000473103_00179_48469_1102.N1 | 07-JUN-2011 09:00:45 | Dark | 46.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 93 | 48469 | No |
| 113 | GOM_TRA_1PNPDK20110607_090359_000000703103_00180_48470_1103.N1 | 07-JUN-2011 09:03:59 | Dark | 70.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 140 | 48470 | No |
| 114 | GOM_TRA_1PNPDK20110607_090631_000000643103_00180_48470_1104.N1 | 07-JUN-2011 09:06:31 | Dark | 64.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 128 | 48470 | No |
| 115 | GOM_TRA_1PNPDK20110607_090830_000000433103_00180_48470_1105.N1 | 07-JUN-2011 09:08:30 | Dark | 42.500 | 31 | Alp Gru | 1.7340 | 15200. | 85 | 48470 | No |
| 116 | GOM_TRA_1PNPDK20110607_091259_000000433103_00180_48470_1106.N1 | 07-JUN-2011 09:12:59 | Straylight | 43.000 | 45 | Alp Pav | 1.9400 | 26000. | 86 | 48470 | No |
| 117 | GOM_TRA_1PNPDK20110607_092139_000000463103_00180_48470_1107.N1 | 07-JUN-2011 09:21:39 | Straylight | 46.000 | 40 | The Sco | 1.8590 | 7100.0 | 92 | 48470 | No |
| 118 | GOM_TRA_1PNPDK20110607_092324_000000473103_00180_48470_1108.N1 | 07-JUN-2011 09:23:24 | Twilight_and_stray | 47.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 94 | 48470 | No |
| 119 | GOM_TRA_1PNPDK20110607_092444_000000513103_00180_48470_1109.N1 | 07-JUN-2011 09:24:44 | Twilight_and_stray | 51.000 | 167 | 10Gam2Sgr | 2.9840 | 4500.0 | 102 | 48470 | No |
| 120 | GOM_TRA_1PNPDK20110607_093020_000000433103_00180_48470_1110.N1 | 07-JUN-2011 09:30:20 | Bright | 42.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 85 | 48470 | No |
| 121 | GOM_TRA_1PNPDK20110607_093207_000000393103_00180_48470_1111.N1 | 07-JUN-2011 09:32:07 | Bright | 39.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 78 | 48470 | No |
| 122 | GOM_TRA_1PNPDK20110607_093414_000000383103_00180_48470_1044.N1 | 07-JUN-2011 09:34:14 | Bright | 37.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 75 | 48470 | No |
| 123 | GOM_TRA_1PNPDK20110607_094020_000000513103_00180_48470_1045.N1 | 07-JUN-2011 09:40:20 | Bright | 50.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 101 | 48470 | No |
| 124 | GOM_TRA_1PNPDK20110607_094150_000000403103_00180_48470_1046.N1 | 07-JUN-2011 09:41:50 | Bright | 40.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 80 | 48470 | No |
| 125 | GOM_TRA_1PNPDK20110607_094503_000000413103_00180_48470_1047.N1 | 07-JUN-2011 09:45:03 | Bright | 40.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 81 | 48470 | No |
| 126 | GOM_TRA_1PNPDK20110607_095212_000000443103_00180_48470_1048.N1 | 07-JUN-2011 09:52:12 | Bright | 43.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 87 | 48470 | No |
| 127 | GOM_TRA_1PNPDK20110607_100256_000000483103_00180_48470_1049.N1 | 07-JUN-2011 10:02:56 | Bright | 48.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 96 | 48470 | No |
| 128 | GOM_TRA_1PNPDK20110607_100847_000000403103_00180_48470_1050.N1 | 07-JUN-2011 10:08:47 | Bright | 39.500 | 76 | 27Gam Cas | 2.3000 | 30000. | 79 | 48470 | No |
| 129 | GOM_TRA_1PNPDK20110607_101434_000000413103_00180_48470_1051.N1 | 07-JUN-2011 10:14:34 | Bright | 40.500 | 73 | 57Gam1And | 2.2600 | 13100. | 81 | 48470 | No |
| 130 | GOM_TRA_1PNPDK20110607_101651_000000543103_00180_48470_1052.N1 | 07-JUN-2011 10:16:51 | Bright | 54.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 108 | 48470 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|----------------|--------|-----|-----------|--------|--------|-----|-------|-----|
| 131 | GOM_TRA_1PNPDK20110607_102102_000000423103_00180_48470_1053.N1 | 07-JUN-2011 10:21:02 | Twilight | 41.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 83 | 48470 | No |
| 132 | GOM_TRA_1PNPDK20110607_103427_000000523103_00180_48470_1054.N1 | 07-JUN-2011 10:34:27 | Dark | 52.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 104 | 48470 | No |
| 133 | GOM_TRA_1PNPDK20110607_104059_000000473103_00180_48470_1055.N1 | 07-JUN-2011 10:40:59 | Dark | 46.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 93 | 48470 | No |
| 134 | GOM_TRA_1PNPDK20110607_104414_000000663103_00181_48471_1056.N1 | 07-JUN-2011 10:44:14 | Dark | 66.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 132 | 48471 | No |
| 135 | GOM_TRA_1PNPDK20110607_104646_000000643103_00181_48471_1057.N1 | 07-JUN-2011 10:46:46 | Dark | 64.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 128 | 48471 | No |
| 136 | GOM_TRA_1PNPDK20110607_104845_000000453103_00181_48471_1058.N1 | 07-JUN-2011 10:48:45 | Dark | 45.000 | 31 | Alp Gru | 1.7340 | 15200. | 90 | 48471 | No |
| 137 | GOM_TRA_1PNPDK20110607_105314_000000433103_00181_48471_1059.N1 | 07-JUN-2011 10:53:14 | Straylight | 42.500 | 45 | Alp Pav | 1.9400 | 26000. | 85 | 48471 | No |
| 138 | GOM_TRA_1PNPDK20110607_110154_000000443103_00181_48471_1060.N1 | 07-JUN-2011 11:01:54 | Straylight | 43.500 | 40 | The Sco | 1.8590 | 7100.0 | 87 | 48471 | No |
| 139 | GOM_TRA_1PNPDK20110607_110338_000000453103_00181_48471_1061.N1 | 07-JUN-2011 11:03:38 | Tw_i_and_stray | 45.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 90 | 48471 | No |
| 140 | GOM_TRA_1PNPDK20110607_110458_000000513103_00181_48471_1062.N1 | 07-JUN-2011 11:04:58 | Tw_i_and_stray | 51.000 | 167 | 10Gam2Sgr | 2.9840 | 4500.0 | 102 | 48471 | No |
| 141 | GOM_TRA_1PNPDK20110607_111035_000000423103_00181_48471_1063.N1 | 07-JUN-2011 11:10:35 | Bright | 42.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 84 | 48471 | No |
| 142 | GOM_TRA_1PNPDK20110607_111221_000000393103_00181_48471_1089.N1 | 07-JUN-2011 11:12:21 | Bright | 39.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 78 | 48471 | Yes |
| 143 | GOM_TRA_1PNPDK20110607_111428_000000383103_00181_48471_1090.N1 | 07-JUN-2011 11:14:28 | Bright | 37.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 75 | 48471 | No |
| 144 | GOM_TRA_1PNPDK20110607_112033_000000493103_00181_48471_1091.N1 | 07-JUN-2011 11:20:33 | Bright | 48.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 97 | 48471 | No |
| 145 | GOM_TRA_1PNPDK20110607_112204_000000413103_00181_48471_1092.N1 | 07-JUN-2011 11:22:04 | Bright | 41.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 82 | 48471 | No |
| 146 | GOM_TRA_1PNPDK20110607_112516_000000423103_00181_48471_1093.N1 | 07-JUN-2011 11:25:16 | Bright | 41.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 83 | 48471 | No |
| 147 | GOM_TRA_1PNPDK20110607_113225_000000443103_00181_48471_1094.N1 | 07-JUN-2011 11:32:25 | Bright | 44.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 88 | 48471 | No |
| 148 | GOM_TRA_1PNPDK20110607_114310_000000493103_00181_48471_1095.N1 | 07-JUN-2011 11:43:10 | Bright | 48.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 97 | 48471 | No |
| 149 | GOM_TRA_1PNPDK20110607_114901_000000583103_00181_48471_1096.N1 | 07-JUN-2011 11:49:01 | Bright | 58.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 116 | 48471 | No |
| 150 | GOM_TRA_1PNPDK20110607_115448_000000553103_00181_48471_1097.N1 | 07-JUN-2011 11:54:48 | Bright | 55.000 | 73 | 57Gam1And | 2.2600 | 13100. | 110 | 48471 | No |
| 151 | GOM_TRA_1PNPDK20110607_115705_000000613103_00181_48471_1098.N1 | 07-JUN-2011 11:57:05 | Bright | 61.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 122 | 48471 | No |
| 152 | GOM_TRA_1PNPDK20110607_120116_000000443103_00181_48471_1099.N1 | 07-JUN-2011 12:01:16 | Twilight | 43.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 87 | 48471 | No |
| 153 | GOM_TRA_1PNPDK20110607_121442_000000503103_00181_48471_1100.N1 | 07-JUN-2011 12:14:42 | Dark | 50.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 100 | 48471 | No |
| 154 | GOM_TRA_1PNPDK20110607_122114_000000483103_00181_48471_1101.N1 | 07-JUN-2011 12:21:14 | Dark | 48.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 96 | 48471 | No |
| 155 | GOM_TRA_1PNPDK20110607_122429_000000613103_00182_48472_1102.N1 | 07-JUN-2011 12:24:29 | Dark | 60.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 121 | 48472 | No |
| 156 | GOM_TRA_1PNPDK20110607_122701_000000483103_00182_48472_1103.N1 | 07-JUN-2011 12:27:01 | Dark | 48.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 96 | 48472 | No |
| 157 | GOM_TRA_1PNPDK20110607_122900_000000503103_00182_48472_1104.N1 | 07-JUN-2011 12:29:00 | Dark | 49.500 | 31 | Alp Gru | 1.7340 | 15200. | 99 | 48472 | No |
| 158 | GOM_TRA_1PNPDK20110607_123328_000000433103_00182_48472_1105.N1 | 07-JUN-2011 12:33:28 | Straylight | 43.000 | 45 | Alp Pav | 1.9400 | 26000. | 86 | 48472 | No |
| 159 | GOM_TRA_1PNPDK20110607_124208_000000483103_00182_48472_1106.N1 | 07-JUN-2011 12:42:08 | Straylight | 47.500 | 40 | The Sco | 1.8590 | 7100.0 | 95 | 48472 | No |
| 160 | GOM_TRA_1PNPDK20110607_124353_000000473103_00182_48472_1107.N1 | 07-JUN-2011 12:43:53 | Tw_i_and_stray | 47.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 94 | 48472 | No |
| 161 | GOM_TRA_1PNPDK20110607_124513_000000513103_00182_48472_1108.N1 | 07-JUN-2011 12:45:13 | Tw_i_and_stray | 51.000 | 167 | 10Gam2Sgr | 2.9840 | 4500.0 | 102 | 48472 | No |
| 162 | GOM_TRA_1PNPDK20110607_125049_000000433103_00182_48472_1111.N1 | 07-JUN-2011 12:50:49 | Bright | 42.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 85 | 48472 | No |
| 163 | GOM_TRA_1PNPDK20110607_125235_000000393103_00182_48472_1112.N1 | 07-JUN-2011 12:52:35 | Bright | 38.500 | 98 | 13Zet Oph | 2.5710 | 30000. | 77 | 48472 | No |
| 164 | GOM_TRA_1PNPDK20110607_125442_000000383103_00182_48472_1113.N1 | 07-JUN-2011 12:54:42 | Bright | 37.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 75 | 48472 | No |
| 165 | GOM_TRA_1PNPDK20110607_130217_000000393103_00182_48472_1114.N1 | 07-JUN-2011 13:02:17 | Bright | 39.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 78 | 48472 | No |
| 166 | GOM_TRA_1PNPDK20110607_130530_000000593103_00182_48472_1115.N1 | 07-JUN-2011 13:05:30 | Bright | 59.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 118 | 48472 | No |
| 167 | GOM_TRA_1PNPDK20110607_131239_000000423103_00182_48472_1116.N1 | 07-JUN-2011 13:12:39 | Bright | 42.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 84 | 48472 | No |
| 168 | GOM_TRA_1PNPDK20110607_132323_000000463103_00182_48472_1117.N1 | 07-JUN-2011 13:23:23 | Bright | 46.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 92 | 48472 | No |
| 169 | GOM_TRA_1PNPDK20110607_132915_000000583103_00182_48472_1118.N1 | 07-JUN-2011 13:29:15 | Bright | 58.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 116 | 48472 | No |
| 170 | GOM_TRA_1PNPDK20110607_133502_000000393103_00182_48472_1119.N1 | 07-JUN-2011 13:35:02 | Bright | 38.500 | 73 | 57Gam1And | 2.2600 | 13100. | 77 | 48472 | No |
| 171 | GOM_TRA_1PNPDK20110607_133719_000000523103_00182_48472_1120.N1 | 07-JUN-2011 13:37:19 | Bright | 52.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 104 | 48472 | No |
| 172 | GOM_TRA_1PNPDK20110607_134130_000000443103_00182_48472_1121.N1 | 07-JUN-2011 13:41:30 | Twilight | 43.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 87 | 48472 | No |
| 173 | GOM_TRA_1PNPDK20110607_135457_000000523103_00182_48472_1122.N1 | 07-JUN-2011 13:54:57 | Dark | 52.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 104 | 48472 | No |
| 174 | GOM_TRA_1PNPDK20110607_140128_000000473103_00182_48472_1123.N1 | 07-JUN-2011 14:01:28 | Dark | 47.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 94 | 48472 | No |
| 175 | GOM_TRA_1PNPDK20110607_140445_000000623103_00183_48473_1124.N1 | 07-JUN-2011 14:04:45 | Dark | 62.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 124 | 48473 | No |
| 176 | GOM_TRA_1PNPDK20110607_140716_000000503103_00183_48473_1125.N1 | 07-JUN-2011 14:07:16 | Dark | 49.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 99 | 48473 | No |
| 177 | GOM_TRA_1PNPDK20110607_140915_000000463103_00183_48473_1126.N1 | 07-JUN-2011 14:09:15 | Dark | 46.000 | 31 | Alp Gru | 1.7340 | 15200. | 92 | 48473 | No |
| 178 | GOM_TRA_1PNPDK20110607_141343_000000433103_00183_48473_1127.N1 | 07-JUN-2011 14:13:43 | Straylight | 43.000 | 45 | Alp Pav | 1.9400 | 26000. | 86 | 48473 | No |
| 179 | GOM_TRA_1PNPDK20110607_142222_000000463103_00183_48473_1128.N1 | 07-JUN-2011 14:22:22 | Straylight | 45.500 | 40 | The Sco | 1.8590 | 7100.0 | 91 | 48473 | No |
| 180 | GOM_TRA_1PNPDK20110607_142407_000000463103_00183_48473_1129.N1 | 07-JUN-2011 14:24:07 | Tw_i_and_stray | 46.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 92 | 48473 | No |
| 181 | GOM_TRA_1PNPDK20110607_142527_000000523103_00183_48473_1130.N1 | 07-JUN-2011 14:25:27 | Tw_i_and_stray | 52.000 | 167 | 10Gam2Sgr | 2.9840 | 4500.0 | 104 | 48473 | No |
| 182 | GOM_TRA_1PNPDK20110607_143103_000000433103_00183_48473_1160.N1 | 07-JUN-2011 14:31:03 | Bright | 42.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 85 | 48473 | No |
| 183 | GOM_TRA_1PNPDK20110607_143249_000000403103_00183_48473_1161.N1 | 07-JUN-2011 14:32:49 | Bright | 39.500 | 98 | 13Zet Oph | 2.5710 | 30000. | 79 | 48473 | No |
| 184 | GOM_TRA_1PNPDK20110607_143456_000000383103_00183_48473_1162.N1 | 07-JUN-2011 14:34:56 | Bright | 37.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 75 | 48473 | No |
| 185 | GOM_TRA_1PNPDK20110607_144231_000000403103_00183_48473_1163.N1 | 07-JUN-2011 14:42:31 | Bright | 40.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 80 | 48473 | No |
| 186 | GOM_TRA_1PNPDK20110607_144544_000000403103_00183_48473_1164.N1 | 07-JUN-2011 14:45:44 | Bright | 40.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 80 | 48473 | No |
| 187 | GOM_TRA_1PNPDK20110607_145252_000000423103_00183_48473_1165.N1 | 07-JUN-2011 14:52:52 | Bright | 41.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 83 | 48473 | No |
| 188 | GOM_TRA_1PNPDK20110607_150336_000000483103_00183_48473_1166.N1 | 07-JUN-2011 15:03:36 | Bright | 47.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 95 | 48473 | No |
| 189 | GOM_TRA_1PNPDK20110607_150928_000000583103_00183_48473_1167.N1 | 07-JUN-2011 15:09:28 | Bright | 58.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 116 | 48473 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|---------------|--------|-----|-----------|--------|--------|-----|-------|-----|
| 190 | GOM_TRA_1PNPDK20110607_151516_000000383103_00183_48473_1168.N1 | 07-JUN-2011 15:15:16 | Bright | 38.000 | 73 | 57Gam1And | 2.2600 | 13100. | 76 | 48473 | No |
| 191 | GOM_TRA_1PNPDK20110607_151734_000000553103_00183_48473_1169.N1 | 07-JUN-2011 15:17:34 | Bright | 54.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 109 | 48473 | No |
| 192 | GOM_TRA_1PNPDK20110607_152144_000000433103_00183_48473_1170.N1 | 07-JUN-2011 15:21:44 | Twilight | 43.000 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 86 | 48473 | No |
| 193 | GOM_TRA_1PNPDK20110607_153512_000000593103_00183_48473_1171.N1 | 07-JUN-2011 15:35:12 | Dark | 58.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 117 | 48473 | No |
| 194 | GOM_TRA_1PNPDK20110607_154143_000000483103_00183_48473_1172.N1 | 07-JUN-2011 15:41:43 | Dark | 48.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 96 | 48473 | No |
| 195 | GOM_TRA_1PNPDK20110607_154500_000000623103_00184_48474_1173.N1 | 07-JUN-2011 15:45:00 | Dark | 62.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 124 | 48474 | No |
| 196 | GOM_TRA_1PNPDK20110607_154731_000000493103_00184_48474_1174.N1 | 07-JUN-2011 15:47:31 | Dark | 49.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 98 | 48474 | No |
| 197 | GOM_TRA_1PNPDK20110607_154930_000000463103_00184_48474_1175.N1 | 07-JUN-2011 15:49:30 | Dark | 46.000 | 31 | Alp Gru | 1.7340 | 15200. | 92 | 48474 | No |
| 198 | GOM_TRA_1PNPDK20110607_155358_000000453103_00184_48474_1176.N1 | 07-JUN-2011 15:53:58 | Straylight | 45.000 | 45 | Alp Pav | 1.9400 | 26000. | 90 | 48474 | No |
| 199 | GOM_TRA_1PNPDK20110607_160236_000000463103_00184_48474_1177.N1 | 07-JUN-2011 16:02:36 | Straylight | 45.500 | 40 | The Sco | 1.8590 | 7100.0 | 91 | 48474 | No |
| 200 | GOM_TRA_1PNPDK20110607_160421_000000483103_00184_48474_1178.N1 | 07-JUN-2011 16:04:21 | Twi_and_stray | 47.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 95 | 48474 | No |
| 201 | GOM_TRA_1PNPDK20110607_160541_000000513103_00184_48474_1182.N1 | 07-JUN-2011 16:05:41 | Twi_and_stray | 51.000 | 167 | 10Gam2Sgr | 2.9840 | 4500.0 | 102 | 48474 | Yes |
| 202 | GOM_TRA_1PNPDK20110607_161117_000000433103_00184_48474_1183.N1 | 07-JUN-2011 16:11:17 | Bright | 42.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 85 | 48474 | No |
| 203 | GOM_TRA_1PNPDK20110607_161303_000000403103_00184_48474_1184.N1 | 07-JUN-2011 16:13:03 | Bright | 40.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 80 | 48474 | No |
| 204 | GOM_TRA_1PNPDK20110607_161511_000000383103_00184_48474_1185.N1 | 07-JUN-2011 16:15:11 | Bright | 37.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 75 | 48474 | No |
| 205 | GOM_TRA_1PNPDK20110607_162245_000000393103_00184_48474_1186.N1 | 07-JUN-2011 16:22:45 | Bright | 38.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 77 | 48474 | No |
| 206 | GOM_TRA_1PNPDK20110607_162557_000000403103_00184_48474_1187.N1 | 07-JUN-2011 16:25:57 | Bright | 40.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 80 | 48474 | No |
| 207 | GOM_TRA_1PNPDK20110607_163306_000000443103_00184_48474_1188.N1 | 07-JUN-2011 16:33:06 | Bright | 44.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 88 | 48474 | No |
| 208 | GOM_TRA_1PNPDK20110607_164350_000000483103_00184_48474_1189.N1 | 07-JUN-2011 16:43:50 | Bright | 48.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 96 | 48474 | No |
| 209 | GOM_TRA_1PNPDK20110607_164942_000000373103_00184_48474_1190.N1 | 07-JUN-2011 16:49:42 | Bright | 36.500 | 76 | 27Gam Cas | 2.3000 | 30000. | 73 | 48474 | No |
| 210 | GOM_TRA_1PNPDK20110607_165530_000000383103_00184_48474_1191.N1 | 07-JUN-2011 16:55:30 | Bright | 38.000 | 73 | 57Gam1And | 2.2600 | 13100. | 76 | 48474 | No |
| 211 | GOM_TRA_1PNPDK20110607_165748_000000503103_00184_48474_1192.N1 | 07-JUN-2011 16:57:48 | Bright | 50.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 100 | 48474 | No |
| 212 | GOM_TRA_1PNPDK20110607_170158_000000443103_00184_48474_1193.N1 | 07-JUN-2011 17:01:58 | Twilight | 44.000 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 88 | 48474 | No |
| 213 | GOM_TRA_1PNPDK20110607_171526_000000533103_00184_48474_1194.N1 | 07-JUN-2011 17:15:26 | Dark | 52.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 105 | 48474 | No |
| 214 | GOM_TRA_1PNPDK20110607_172158_000000533103_00184_48474_1195.N1 | 07-JUN-2011 17:21:58 | Dark | 52.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 105 | 48474 | No |
| 215 | GOM_TRA_1PNPDK20110607_172516_000000583103_00185_48475_1196.N1 | 07-JUN-2011 17:25:16 | Dark | 58.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 116 | 48475 | No |
| 216 | GOM_TRA_1PNPDK20110607_172746_000000623103_00185_48475_1197.N1 | 07-JUN-2011 17:27:46 | Dark | 61.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 123 | 48475 | No |
| 217 | GOM_TRA_1PNPDK20110607_172944_000000483103_00185_48475_1198.N1 | 07-JUN-2011 17:29:44 | Dark | 48.000 | 31 | Alp Gru | 1.7340 | 15200. | 96 | 48475 | No |
| 218 | GOM_TRA_1PNPDK20110607_173412_000000413103_00185_48475_1199.N1 | 07-JUN-2011 17:34:12 | Straylight | 41.000 | 45 | Alp Pav | 1.9400 | 26000. | 82 | 48475 | No |
| 219 | GOM_TRA_1PNPDK20110607_174251_000000493103_00185_48475_1200.N1 | 07-JUN-2011 17:42:51 | Straylight | 49.000 | 40 | The Sco | 1.8590 | 7100.0 | 98 | 48475 | No |
| 220 | GOM_TRA_1PNPDK20110607_174436_000000473103_00185_48475_1208.N1 | 07-JUN-2011 17:44:36 | Twi_and_stray | 47.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 94 | 48475 | No |
| 221 | GOM_TRA_1PNPDK20110607_174556_000000493103_00185_48475_1209.N1 | 07-JUN-2011 17:45:56 | Twi_and_stray | 49.000 | 167 | 10Gam2Sgr | 2.9840 | 4500.0 | 98 | 48475 | No |
| 222 | GOM_TRA_1PNPDK20110607_175131_000000423103_00185_48475_1210.N1 | 07-JUN-2011 17:51:31 | Bright | 42.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 84 | 48475 | No |
| 223 | GOM_TRA_1PNPDK20110607_175317_000000403103_00185_48475_1211.N1 | 07-JUN-2011 17:53:17 | Bright | 39.500 | 98 | 13Zet Oph | 2.5710 | 30000. | 79 | 48475 | No |
| 224 | GOM_TRA_1PNPDK20110607_175525_000000383103_00185_48475_1212.N1 | 07-JUN-2011 17:55:25 | Bright | 37.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 75 | 48475 | No |
| 225 | GOM_TRA_1PNPDK20110607_180259_000000393103_00185_48475_1213.N1 | 07-JUN-2011 18:02:59 | Bright | 39.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 78 | 48475 | No |
| 226 | GOM_TRA_1PNPDK20110607_180611_000000403103_00185_48475_1214.N1 | 07-JUN-2011 18:06:11 | Bright | 40.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 80 | 48475 | No |
| 227 | GOM_TRA_1PNPDK20110607_181319_000000413103_00185_48475_1215.N1 | 07-JUN-2011 18:13:19 | Bright | 41.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 82 | 48475 | No |
| 228 | GOM_TRA_1PNPDK20110607_182403_000000483103_00185_48475_1216.N1 | 07-JUN-2011 18:24:03 | Bright | 48.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 96 | 48475 | No |
| 229 | GOM_TRA_1PNPDK20110607_182956_000000413103_00185_48475_1217.N1 | 07-JUN-2011 18:29:56 | Bright | 40.500 | 76 | 27Gam Cas | 2.3000 | 30000. | 81 | 48475 | No |
| 230 | GOM_TRA_1PNPDK20110607_183544_000000553103_00185_48475_1218.N1 | 07-JUN-2011 18:35:44 | Bright | 55.000 | 73 | 57Gam1And | 2.2600 | 13100. | 110 | 48475 | No |
| 231 | GOM_TRA_1PNPDK20110607_183802_000000483103_00185_48475_1219.N1 | 07-JUN-2011 18:38:02 | Bright | 48.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 96 | 48475 | No |
| 232 | GOM_TRA_1PNPDK20110607_184213_000000463103_00185_48475_1220.N1 | 07-JUN-2011 18:42:13 | Twilight | 45.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 91 | 48475 | No |
| 233 | GOM_TRA_1PNPDK20110607_185541_000000533103_00185_48475_1221.N1 | 07-JUN-2011 18:55:41 | Dark | 52.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 105 | 48475 | No |
| 234 | GOM_TRA_1PNPDK20110607_190213_000000503103_00185_48475_1222.N1 | 07-JUN-2011 19:02:13 | Dark | 49.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 99 | 48475 | No |
| 235 | GOM_TRA_1PNPDK20110607_190531_000000583103_00186_48476_1223.N1 | 07-JUN-2011 19:05:31 | Dark | 58.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 116 | 48476 | No |
| 236 | GOM_TRA_1PNPDK20110607_190801_000000603103_00186_48476_1224.N1 | 07-JUN-2011 19:08:01 | Dark | 59.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 119 | 48476 | No |
| 237 | GOM_TRA_1PNPDK20110607_191000_000000483103_00186_48476_1225.N1 | 07-JUN-2011 19:10:00 | Dark | 47.500 | 31 | Alp Gru | 1.7340 | 15200. | 95 | 48476 | No |
| 238 | GOM_TRA_1PNPDK20110607_191427_000000413103_00186_48476_1226.N1 | 07-JUN-2011 19:14:27 | Straylight | 41.000 | 45 | Alp Pav | 1.9400 | 26000. | 82 | 48476 | No |
| 239 | GOM_TRA_1PNPDK20110607_192305_000000443103_00186_48476_1233.N1 | 07-JUN-2011 19:23:05 | Straylight | 43.500 | 40 | The Sco | 1.8590 | 7100.0 | 87 | 48476 | No |
| 240 | GOM_TRA_1PNPDK20110607_192450_000000463103_00186_48476_1234.N1 | 07-JUN-2011 19:24:50 | Twi_and_stray | 46.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 92 | 48476 | No |
| 241 | GOM_TRA_1PNPDK20110607_192610_000000523103_00186_48476_1235.N1 | 07-JUN-2011 19:26:10 | Twi_and_stray | 51.500 | 167 | 10Gam2Sgr | 2.9840 | 4500.0 | 103 | 48476 | No |
| 242 | GOM_TRA_1PNPDK20110607_193145_000000423103_00186_48476_1236.N1 | 07-JUN-2011 19:31:45 | Bright | 41.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 83 | 48476 | No |
| 243 | GOM_TRA_1PNPDK20110607_193332_000000403103_00186_48476_1237.N1 | 07-JUN-2011 19:33:32 | Bright | 39.500 | 98 | 13Zet Oph | 2.5710 | 30000. | 79 | 48476 | No |
| 244 | GOM_TRA_1PNPDK20110607_193539_000000383103_00186_48476_1238.N1 | 07-JUN-2011 19:35:39 | Bright | 37.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 75 | 48476 | No |
| 245 | GOM_TRA_1PNPDK20110607_194313_000000423103_00186_48476_1239.N1 | 07-JUN-2011 19:43:13 | Bright | 41.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 83 | 48476 | No |
| 246 | GOM_TRA_1PNPDK20110607_194625_000000403103_00186_48476_1240.N1 | 07-JUN-2011 19:46:25 | Bright | 40.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 80 | 48476 | No |
| 247 | GOM_TRA_1PNPDK20110607_195333_000000453103_00186_48476_1241.N1 | 07-JUN-2011 19:53:33 | Bright | 44.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 89 | 48476 | No |
| 248 | GOM_TRA_1PNPDK20110607_200416_000000473103_00186_48476_1242.N1 | 07-JUN-2011 20:04:16 | Bright | 47.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 94 | 48476 | No |

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|-----|--|----------------------|------------|--------|-----|-----------|--------|--------|-----|-------|----|
| 249 | GOM_TRA_1PNPDK20110607_201010_000000373103_00186_48476_1243.N1 | 07-JUN-2011 20:10:10 | Bright | 36.500 | 76 | 27Gam Cas | 2.3000 | 30000. | 73 | 48476 | No |
| 250 | GOM_TRA_1PNPDK20110607_201558_000000553103_00186_48476_1244.N1 | 07-JUN-2011 20:15:58 | Bright | 55.000 | 73 | 57Gam1And | 2.2600 | 13100. | 110 | 48476 | No |
| 251 | GOM_TRA_1PNPDK20110607_201816_000000613103_00186_48476_1245.N1 | 07-JUN-2011 20:18:16 | Bright | 61.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 122 | 48476 | No |
| 252 | GOM_TRA_1PNPDK20110607_202227_000000433103_00186_48476_1246.N1 | 07-JUN-2011 20:22:27 | Twilight | 42.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 85 | 48476 | No |
| 253 | GOM_TRA_1PNPDK20110607_203556_000000513103_00186_48476_1247.N1 | 07-JUN-2011 20:35:56 | Dark | 50.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 101 | 48476 | No |
| 254 | GOM_TRA_1PNPDK20110607_204227_000000473103_00186_48476_1248.N1 | 07-JUN-2011 20:42:27 | Dark | 46.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 93 | 48476 | No |
| 255 | GOM_TRA_1PNPDK20110607_204547_000000543103_00187_48477_1249.N1 | 07-JUN-2011 20:45:47 | Dark | 54.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 108 | 48477 | No |
| 256 | GOM_TRA_1PNPDK20110607_204815_000000523103_00187_48477_1250.N1 | 07-JUN-2011 20:48:15 | Dark | 52.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 104 | 48477 | No |
| 257 | GOM_TRA_1PNPDK20110607_205015_000000493103_00187_48477_1251.N1 | 07-JUN-2011 20:50:15 | Dark | 48.500 | 31 | Alp Gru | 1.7340 | 15200. | 97 | 48477 | No |
| 258 | GOM_TRA_1PNPDK20110607_205442_000000423103_00187_48477_1252.N1 | 07-JUN-2011 20:54:42 | Straylight | 41.500 | 45 | Alp Pav | 1.9400 | 26000. | 83 | 48477 | No |
| 259 | GOM_TRA_1PNPDE20110607_210320_000000443103_00187_48477_3904.N1 | 07-JUN-2011 21:03:20 | Straylight | 44.000 | 40 | The Sco | 1.8590 | 7100.0 | 88 | 48477 | No |
| 260 | GOM_TRA_1PNPDE20110607_210504_000000433103_00187_48477_3905.N1 | 07-JUN-2011 21:05:04 | Twilight | 43.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 86 | 48477 | No |
| 261 | GOM_TRA_1PNPDE20110607_210625_000000503103_00187_48477_3906.N1 | 07-JUN-2011 21:06:25 | Twilight | 50.000 | 167 | 10Gam2Sgr | 2.9840 | 4500.0 | 100 | 48477 | No |
| 262 | GOM_TRA_1PNPDE20110607_211159_000000433103_00187_48477_3907.N1 | 07-JUN-2011 21:11:59 | Bright | 43.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 86 | 48477 | No |
| 263 | GOM_TRA_1PNPDE20110607_211346_000000393103_00187_48477_3908.N1 | 07-JUN-2011 21:13:46 | Bright | 39.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 78 | 48477 | No |
| 264 | GOM_TRA_1PNPDE20110607_211553_000000383103_00187_48477_3909.N1 | 07-JUN-2011 21:15:53 | Bright | 37.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 75 | 48477 | No |
| 265 | GOM_TRA_1PNPDE20110607_212327_000000423103_00187_48477_3910.N1 | 07-JUN-2011 21:23:27 | Bright | 41.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 83 | 48477 | No |
| 266 | GOM_TRA_1PNPDE20110607_212638_000000403103_00187_48477_3911.N1 | 07-JUN-2011 21:26:38 | Bright | 39.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 79 | 48477 | No |
| 267 | GOM_TRA_1PNPDE20110607_213346_000000453103_00187_48477_3912.N1 | 07-JUN-2011 21:33:46 | Bright | 45.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 90 | 48477 | No |
| 268 | GOM_TRA_1PNPDE20110607_214430_000000463103_00187_48477_3913.N1 | 07-JUN-2011 21:44:30 | Bright | 46.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 92 | 48477 | No |
| 269 | GOM_TRA_1PNPDE20110607_215024_000000393103_00187_48477_3914.N1 | 07-JUN-2011 21:50:24 | Bright | 38.500 | 76 | 27Gam Cas | 2.3000 | 30000. | 77 | 48477 | No |
| 270 | GOM_TRA_1PNPDE20110607_215612_000000553103_00187_48477_3915.N1 | 07-JUN-2011 21:56:12 | Bright | 55.000 | 73 | 57Gam1And | 2.2600 | 13100. | 110 | 48477 | No |
| 271 | GOM_TRA_1PNPDE20110607_215830_000000563103_00187_48477_3916.N1 | 07-JUN-2011 21:58:30 | Bright | 55.500 | 53 | 43Bet And | 2.0480 | 3300.0 | 111 | 48477 | No |
| 272 | GOM_TRA_1PNPDE20110607_220241_000000423103_00187_48477_3917.N1 | 07-JUN-2011 22:02:41 | Twilight | 41.500 | 105 | 6Bet Ari | 2.6450 | 8900.0 | 83 | 48477 | No |
| 273 | GOM_TRA_1PNPDE20110607_221611_000000493103_00187_48477_3931.N1 | 07-JUN-2011 22:16:11 | Dark | 49.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 98 | 48477 | No |
| 274 | GOM_TRA_1PNPDE20110607_222242_000000413103_00187_48477_3932.N1 | 07-JUN-2011 22:22:42 | Dark | 41.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 82 | 48477 | No |
| 275 | GOM_TRA_1PNPDE20110607_222602_000000543103_00188_48478_3933.N1 | 07-JUN-2011 22:26:02 | Dark | 54.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 108 | 48478 | No |
| 276 | GOM_TRA_1PNPDE20110607_222830_000000483103_00188_48478_3934.N1 | 07-JUN-2011 22:28:30 | Dark | 47.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 95 | 48478 | No |
| 277 | GOM_TRA_1PNPDE20110607_223029_000000493103_00188_48478_3935.N1 | 07-JUN-2011 22:30:29 | Dark | 48.500 | 31 | Alp Gru | 1.7340 | 15200. | 97 | 48478 | No |
| 278 | GOM_TRA_1PNPDE20110607_223456_000000433103_00188_48478_3936.N1 | 07-JUN-2011 22:34:56 | Straylight | 43.000 | 45 | Alp Pav | 1.9400 | 26000. | 86 | 48478 | No |
| 279 | GOM_TRA_1PNPDE20110607_224334_000000473103_00188_48478_3937.N1 | 07-JUN-2011 22:43:34 | Straylight | 46.500 | 40 | The Sco | 1.8590 | 7100.0 | 93 | 48478 | No |
| 280 | GOM_TRA_1PNPDE20110607_224519_000000463103_00188_48478_3938.N1 | 07-JUN-2011 22:45:19 | Twilight | 45.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 91 | 48478 | No |
| 281 | GOM_TRA_1PNPDE20110607_224639_000000503103_00188_48478_3939.N1 | 07-JUN-2011 22:46:39 | Twilight | 50.000 | 167 | 10Gam2Sgr | 2.9840 | 4500.0 | 100 | 48478 | No |
| 282 | GOM_TRA_1PNPDE20110607_225213_000000423103_00188_48478_3940.N1 | 07-JUN-2011 22:52:13 | Bright | 41.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 83 | 48478 | No |
| 283 | GOM_TRA_1PNPDE20110607_225359_000000393103_00188_48478_3941.N1 | 07-JUN-2011 22:53:59 | Bright | 39.000 | 98 | 13Zet Oph | 2.5710 | 30000. | 78 | 48478 | No |
| 284 | GOM_TRA_1PNPDE20110607_225606_000000383103_00188_48478_3942.N1 | 07-JUN-2011 22:56:06 | Bright | 37.500 | 120 | 1Del Oph | 2.7340 | 3200.0 | 75 | 48478 | No |
| 285 | GOM_TRA_1PNPDE20110607_225928_000000283103_00188_48478_3943.N1 | 07-JUN-2011 22:59:28 | Twilight | 28.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 56 | 48478 | No |
| 286 | GOM_TRA_1PNPDE20110607_230340_000000403103_00188_48478_3944.N1 | 07-JUN-2011 23:03:40 | Bright | 40.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 80 | 48478 | No |
| 287 | GOM_TRA_1PNPDE20110607_230652_000000413103_00188_48478_3945.N1 | 07-JUN-2011 23:06:52 | Bright | 40.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 81 | 48478 | No |
| 288 | GOM_TRA_1PNPDE20110607_231359_000000433103_00188_48478_3946.N1 | 07-JUN-2011 23:13:59 | Bright | 43.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 86 | 48478 | No |
| 289 | GOM_TRA_1PNPDE20110607_232443_000000483103_00188_48478_3947.N1 | 07-JUN-2011 23:24:43 | Bright | 48.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 96 | 48478 | No |
| 290 | GOM_TRA_1PNPDE20110607_233037_000000423103_00188_48478_3948.N1 | 07-JUN-2011 23:30:37 | Bright | 41.500 | 76 | 27Gam Cas | 2.3000 | 30000. | 83 | 48478 | No |
| 291 | GOM_TRA_1PNPDE20110607_233626_000000493103_00188_48478_3949.N1 | 07-JUN-2011 23:36:26 | Bright | 48.500 | 73 | 57Gam1And | 2.2600 | 13100. | 97 | 48478 | No |
| 292 | GOM_TRA_1PNPDE20110607_233844_000000613103_00188_48478_3950.N1 | 07-JUN-2011 23:38:44 | Bright | 61.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 122 | 48478 | No |
| 293 | GOM_TRA_1PNPDE20110607_234159_000000533103_00188_48478_3951.N1 | 07-JUN-2011 23:41:59 | Twilight | 53.000 | 50 | 13Alp Ari | 2.0070 | 4250.0 | 106 | 48478 | No |
| 294 | GOM_TRA_1PNPDE20110607_235625_000000513103_00188_48478_3951.N1 | 07-JUN-2011 23:56:25 | Dark | 51.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 102 | 48478 | No |

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



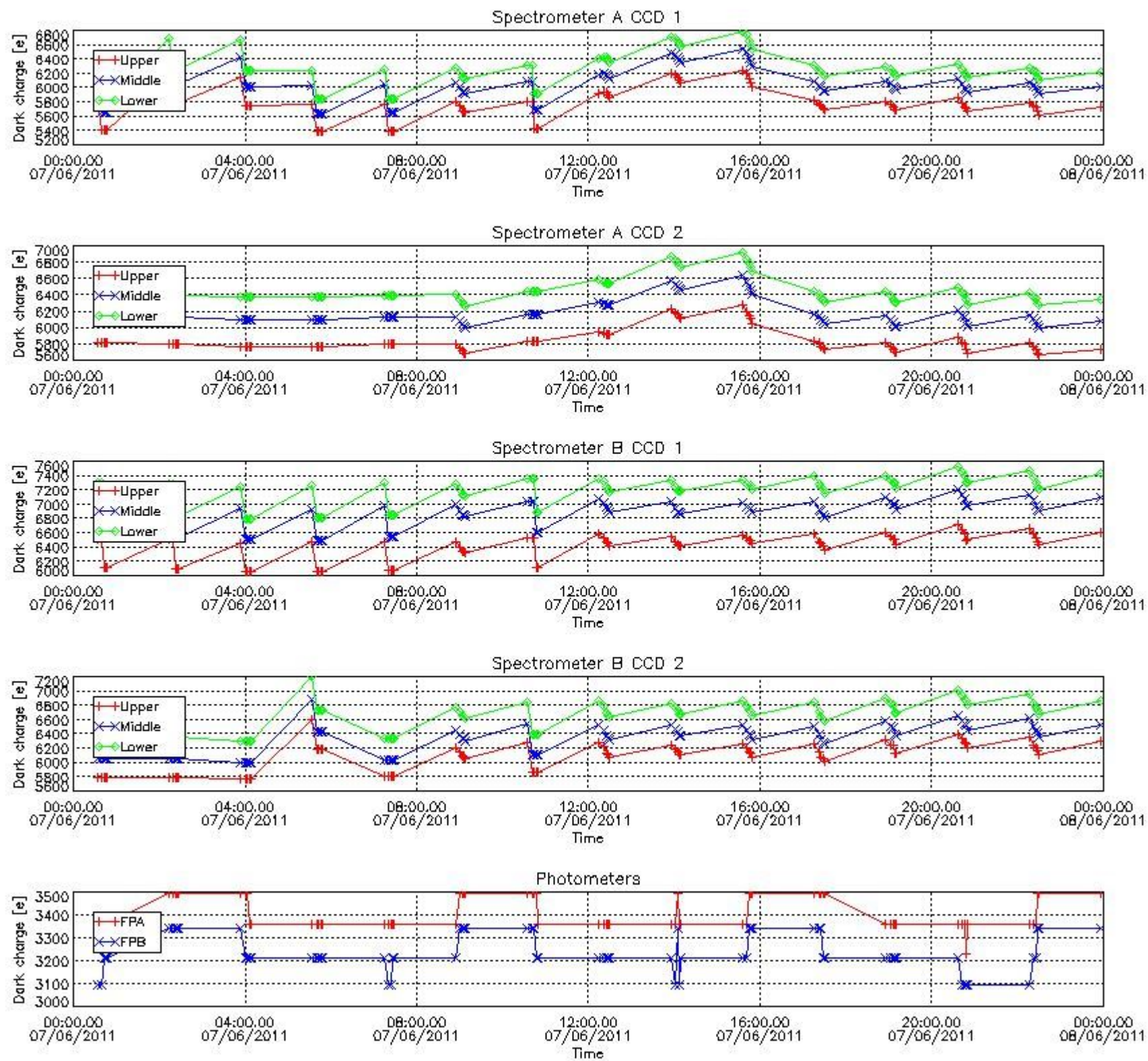
4. Overview of dark signal processing per product

The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

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

4.1 All products used the DSA observation for the DC computation

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



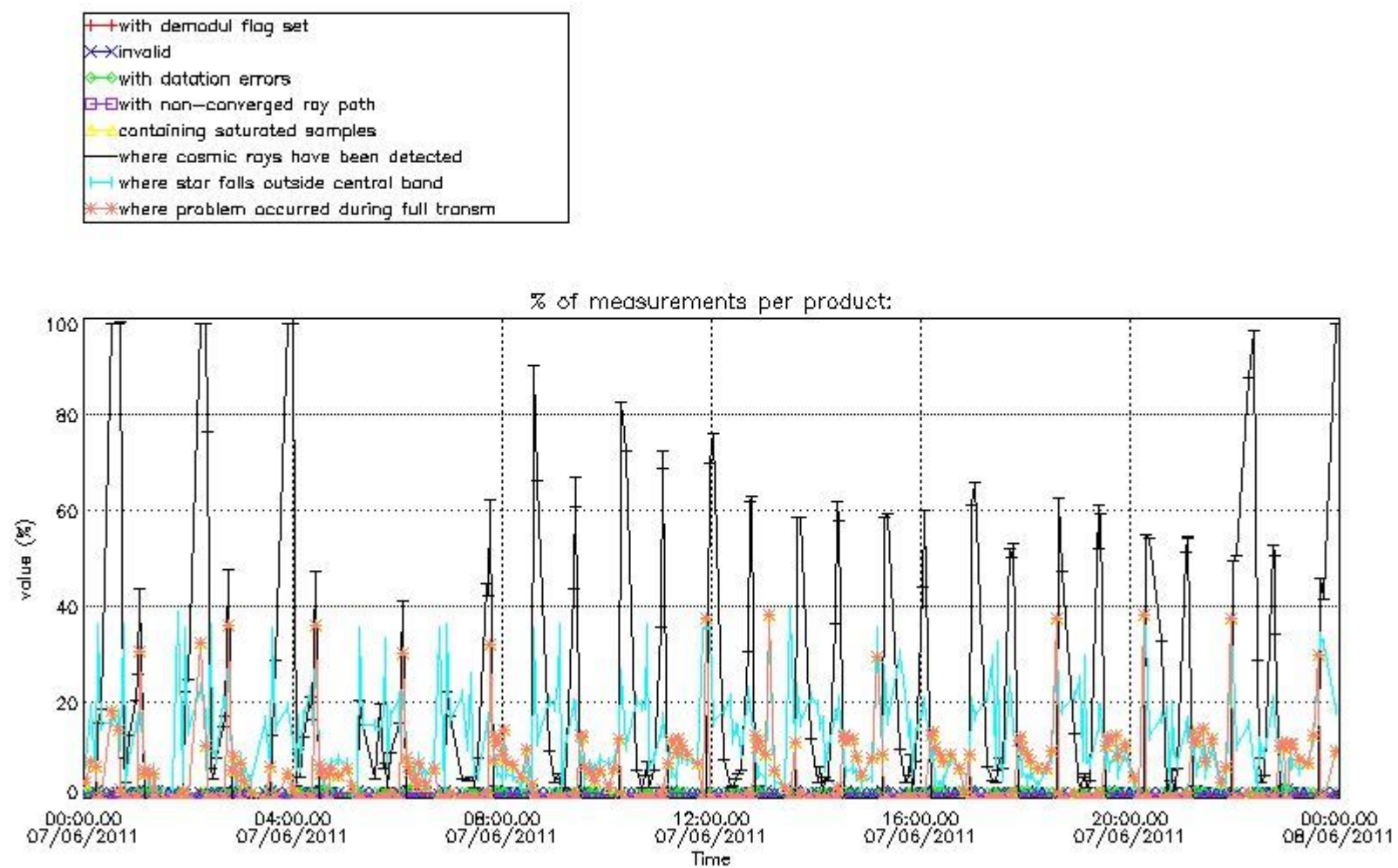
5. Demodulation flag and quality information monitoring

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.

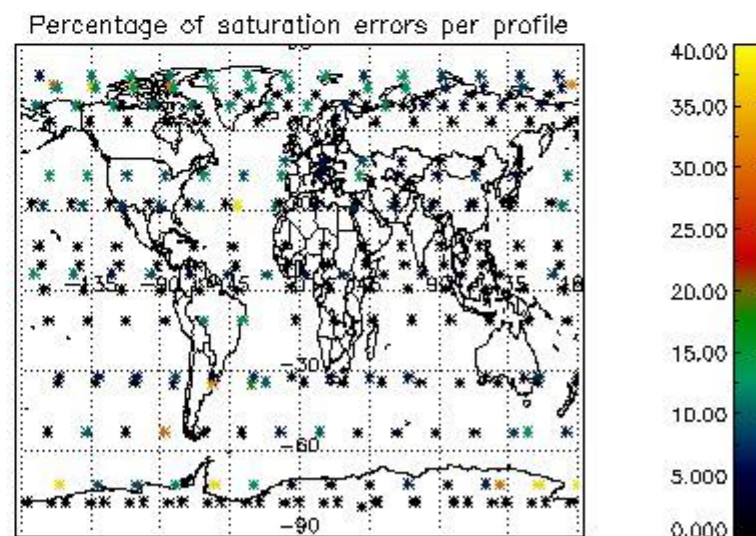
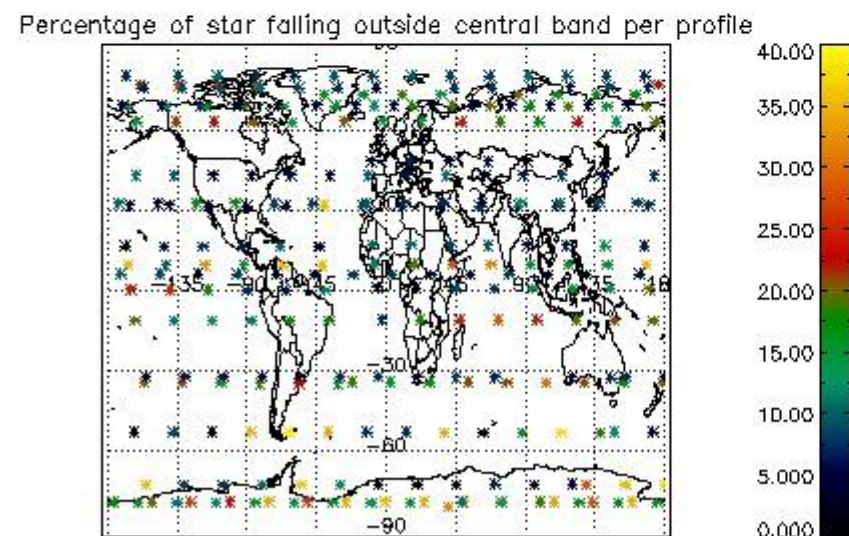
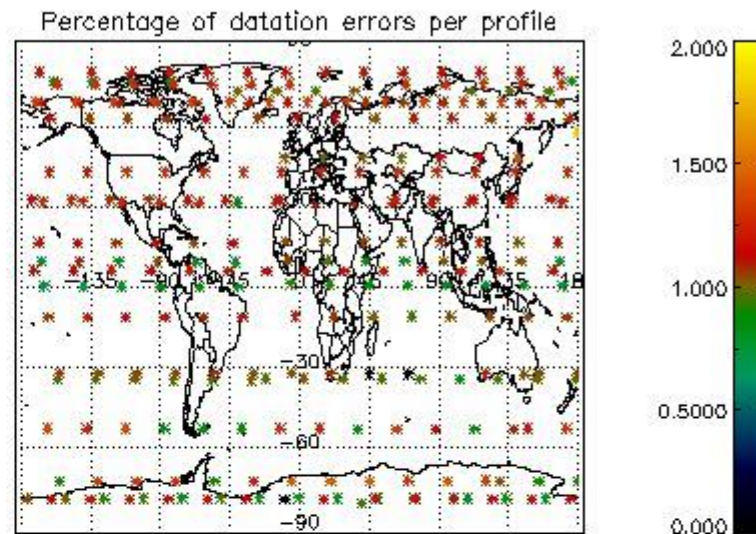
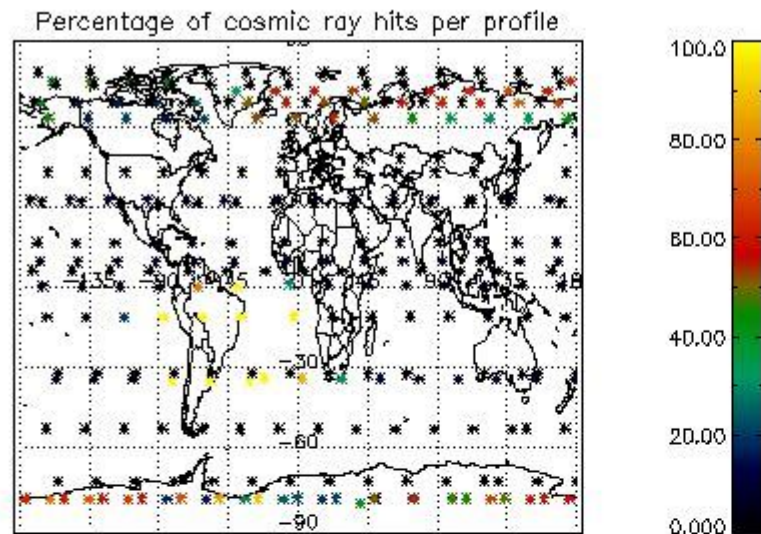
5.1 Percentage of products during reporting period with:

| | |
|---|-----------|
| At least one measurement with demodulation flag set: | 46.3918 % |
| Reference spectrum computed from DB: | 0.00000 % |
| Reference spectrum with small number of measurements: | 0.00000 % |
| SATU data not used: | 31.2715 % |

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



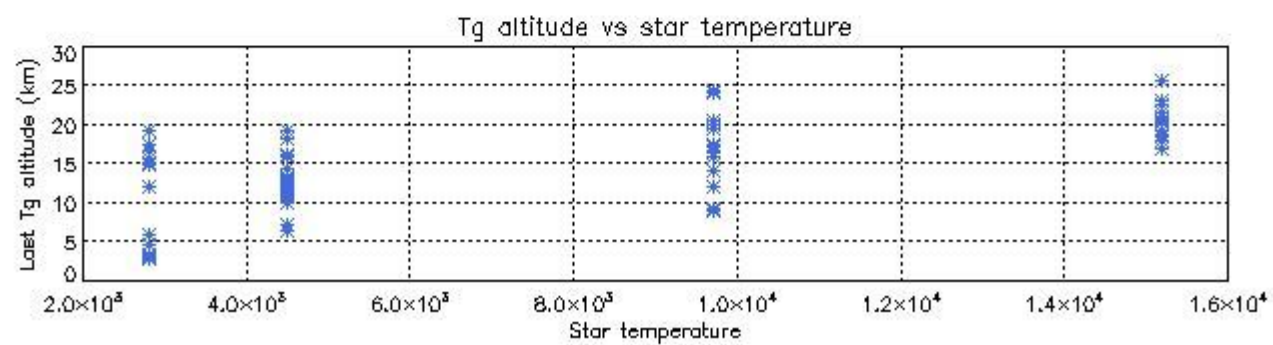
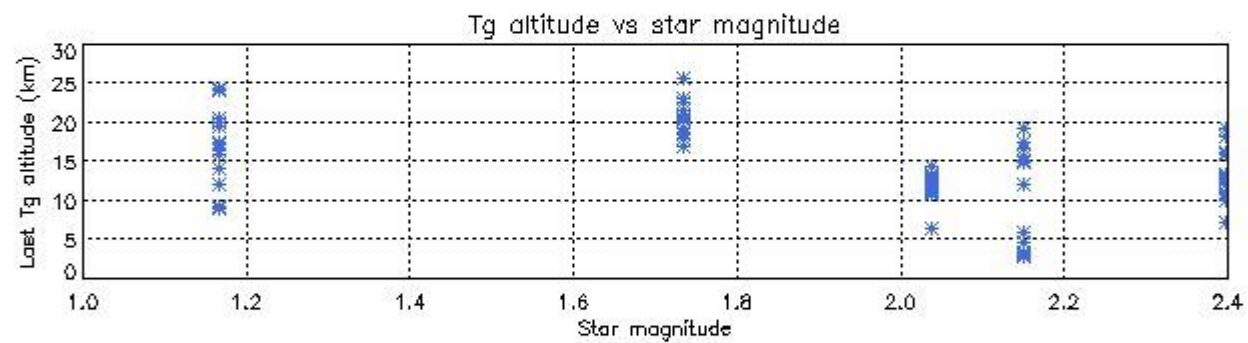
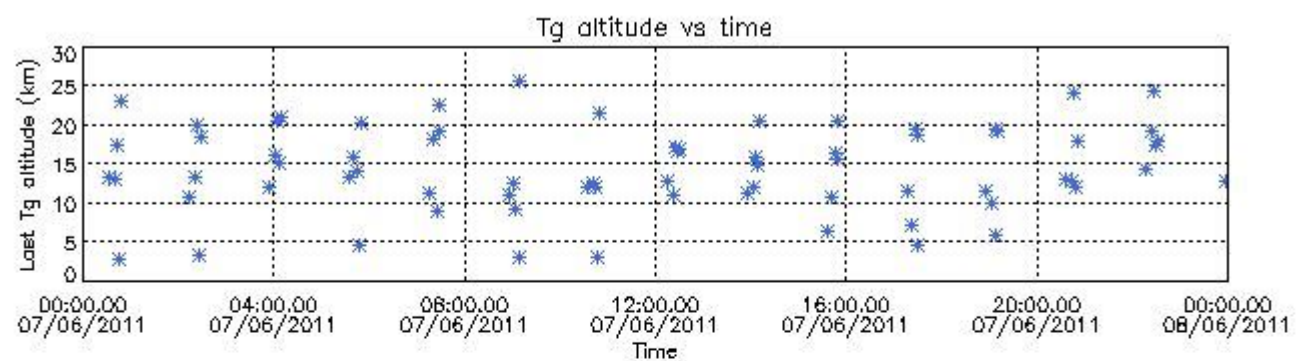
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

| Statistics | DARK | BRIGHT | TWILIGHT |
|-----------------|--------|--------|----------|
| Mean: | 14.445 | 18.344 | 13.268 |
| St. deviation: | 5.4586 | 7.1640 | 2.5126 |
| Maximum: | 25.622 | 49.838 | 15.636 |
| Minimum: | 2.9457 | 3.4281 | 5.1296 |
| Number of data: | 71.000 | 154.00 | 15.000 |

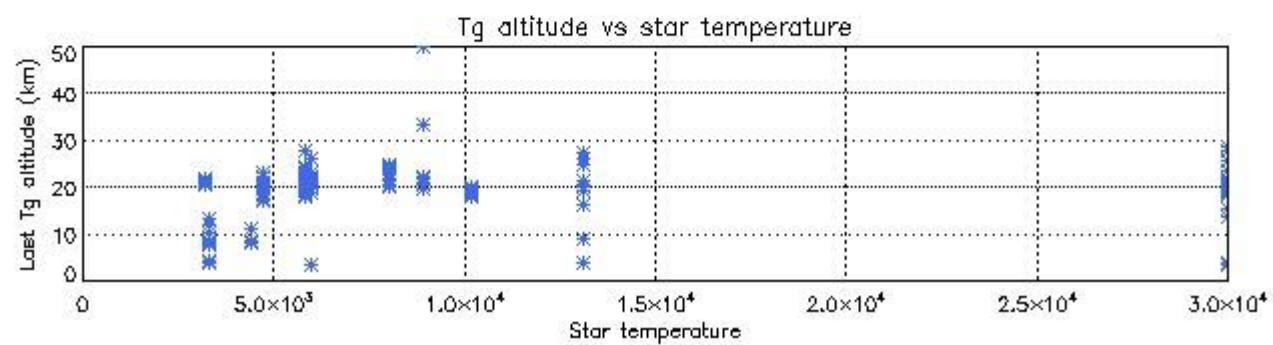
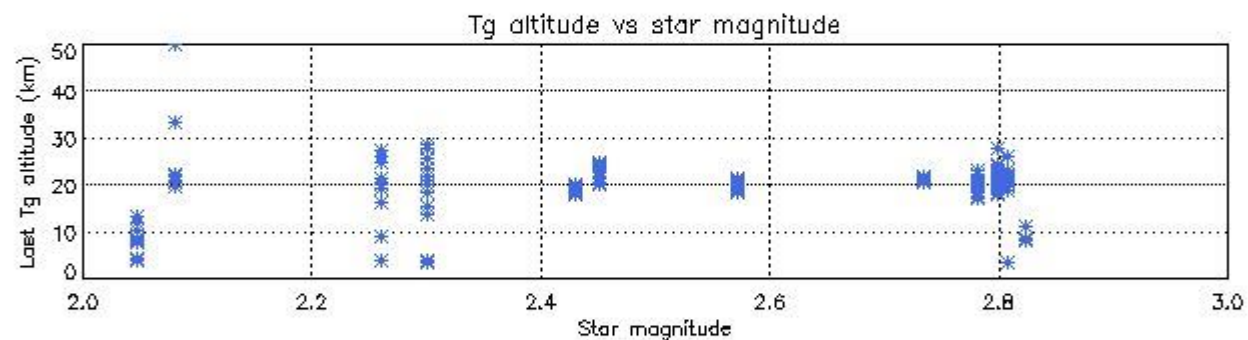
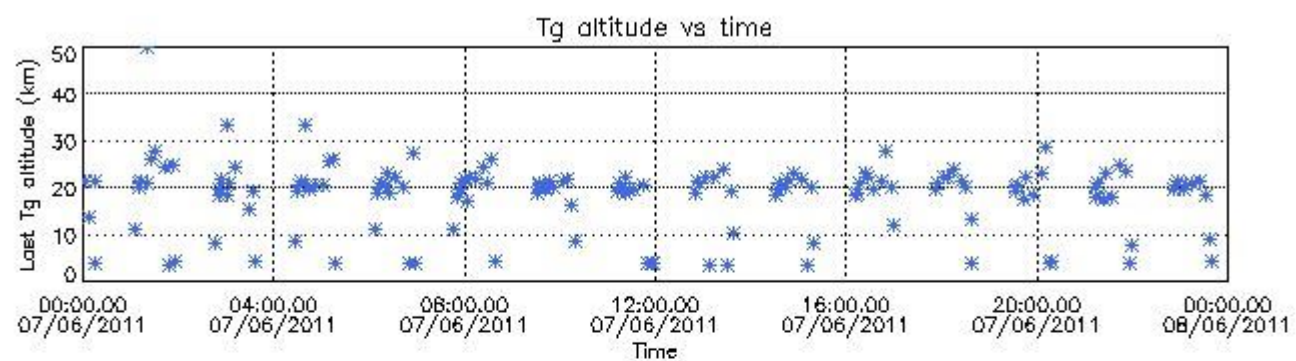
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



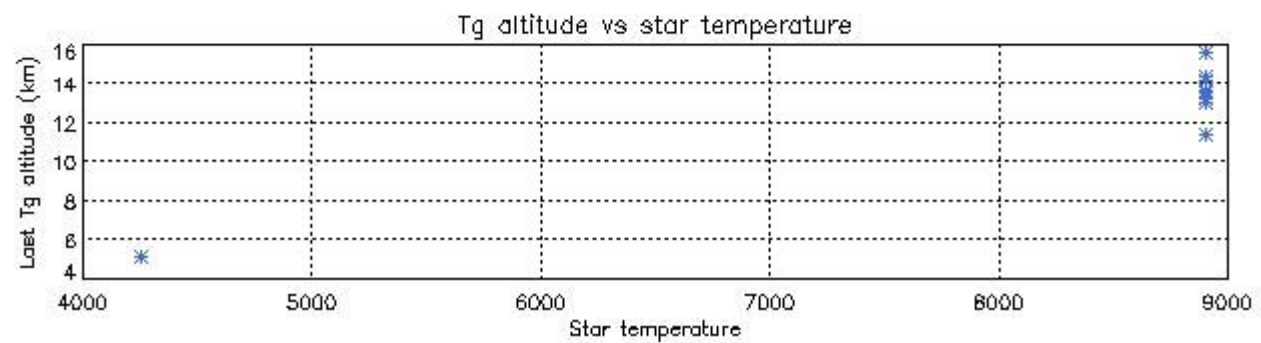
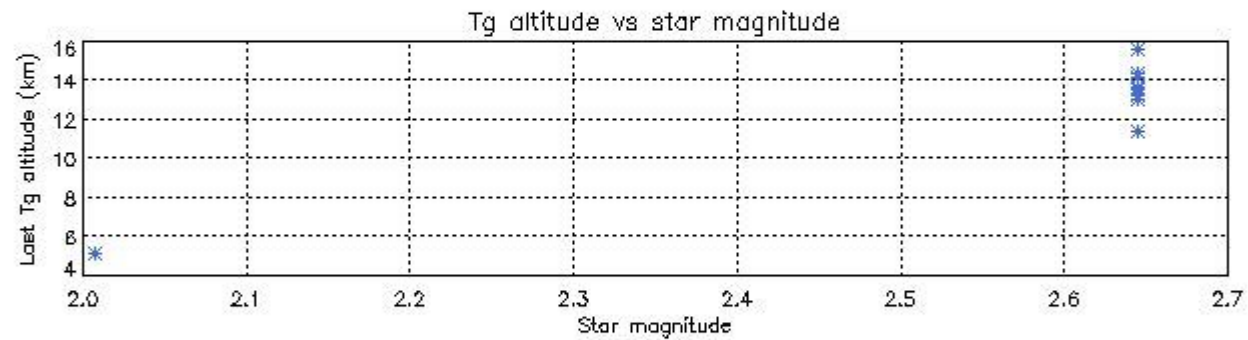
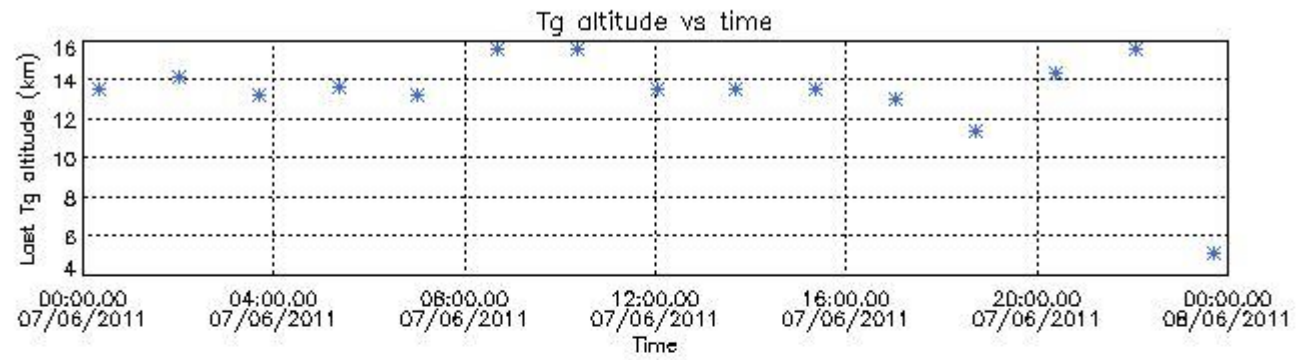
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

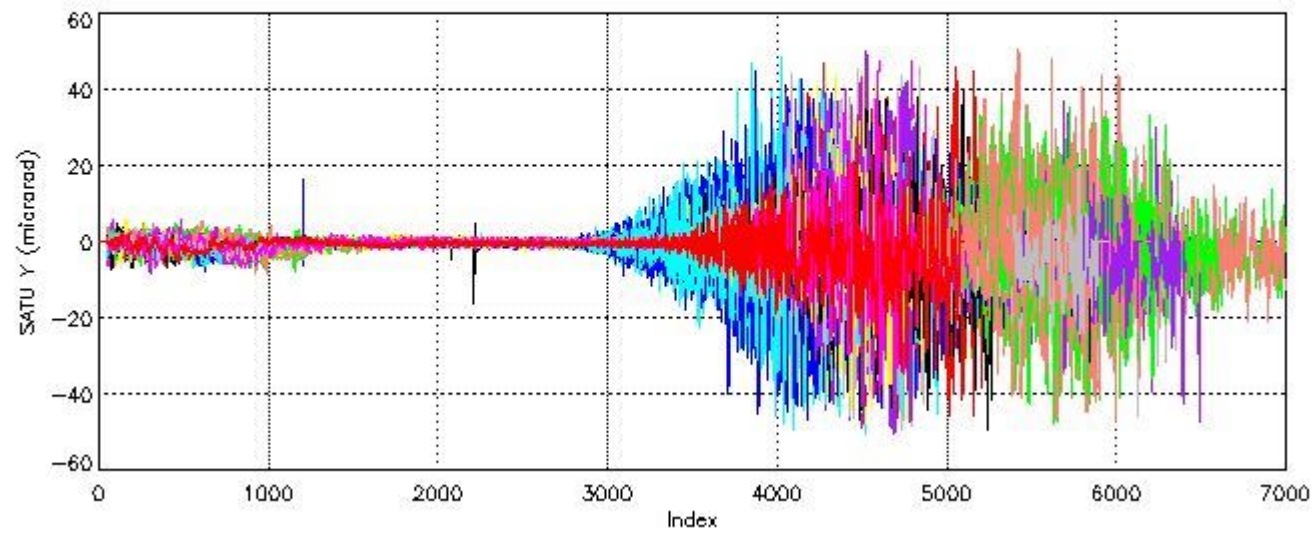
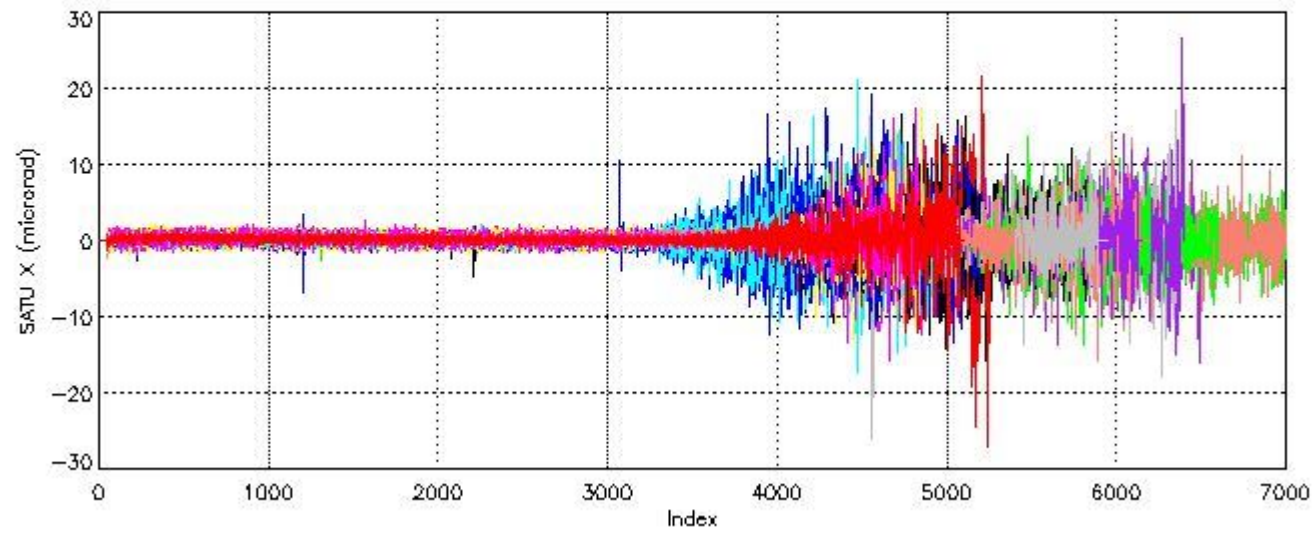


7. Star Acquisition and Tracking Unit (SATU)

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: | 0.24136 | -1.1031 | 0.21457 | -1.1217 |
| St. deviation: | 0.33992 | 1.4825 | 0.70785 | 1.4727 |
| Maximum: | 2.2000 | 6.0000 | 12.700 | 22.100 |
| Minimum: | -2.7000 | -8.3000 | -18.100 | -12.400 |

| | | | | |
|-----------------|---------|---------|------------|------------|
| Number of data: | 79500. | 79500. | 1.5175E+05 | 1.5175E+05 |
| 90Percentile: | 0.70000 | 0.70000 | 1.2000 | 0.50000 |

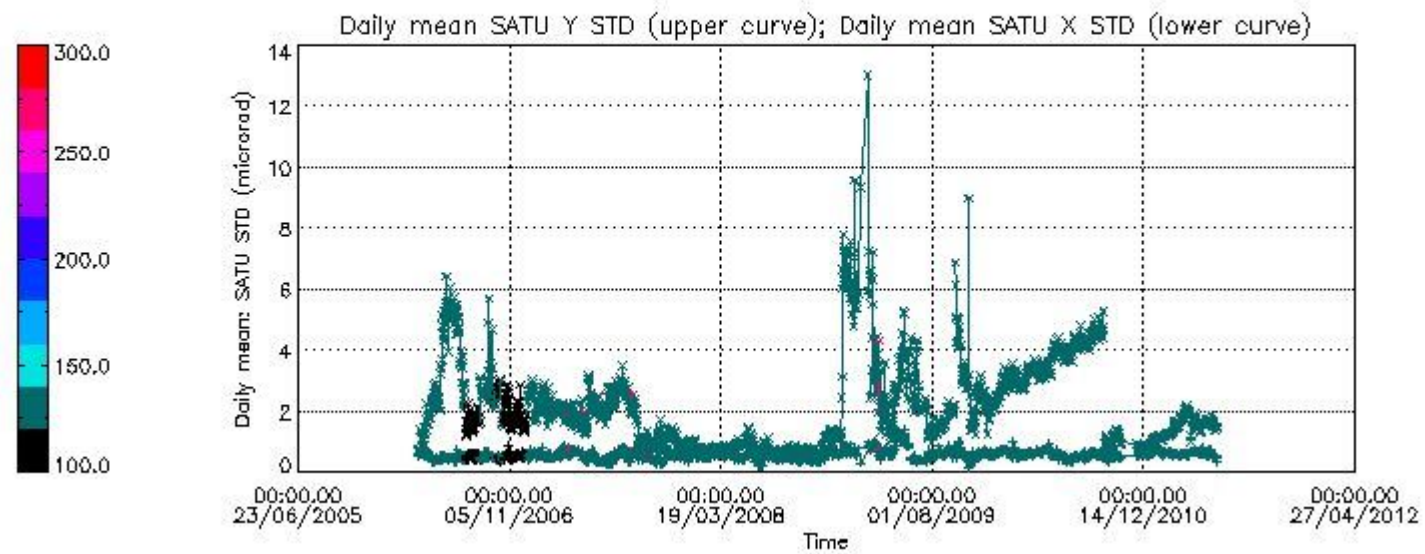
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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.

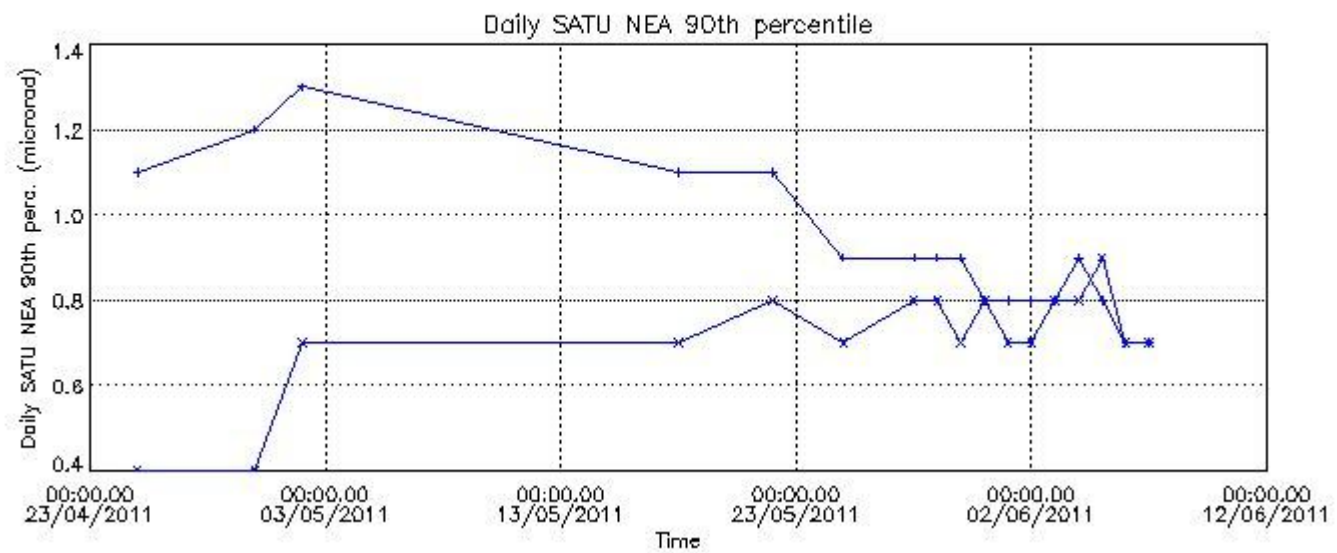
Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis



Lower curve: 90th percentile of SATU Y axis

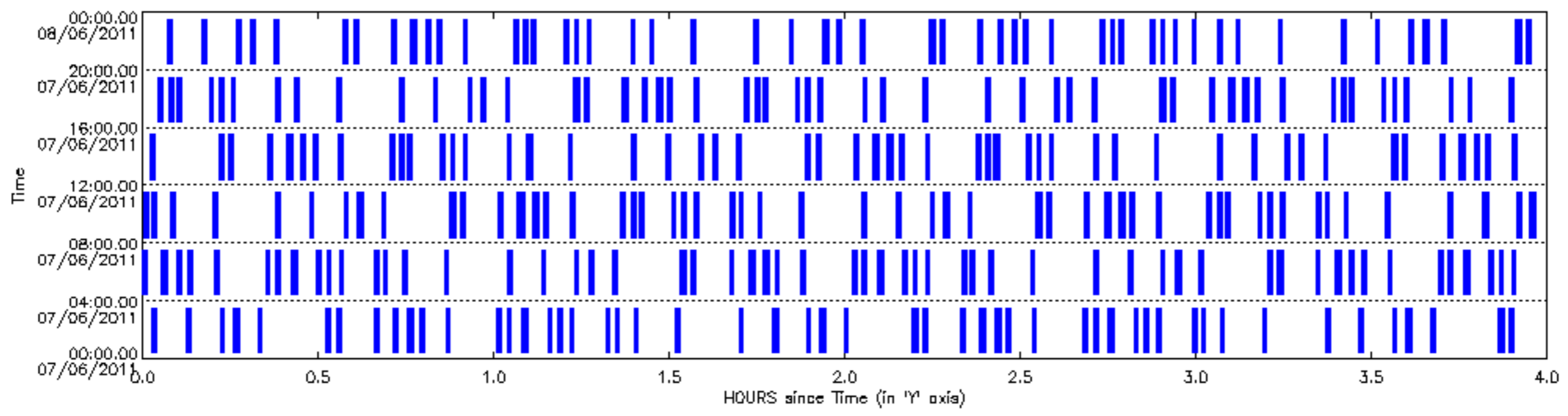
Upper curve: 90th percentile of SATU X axis

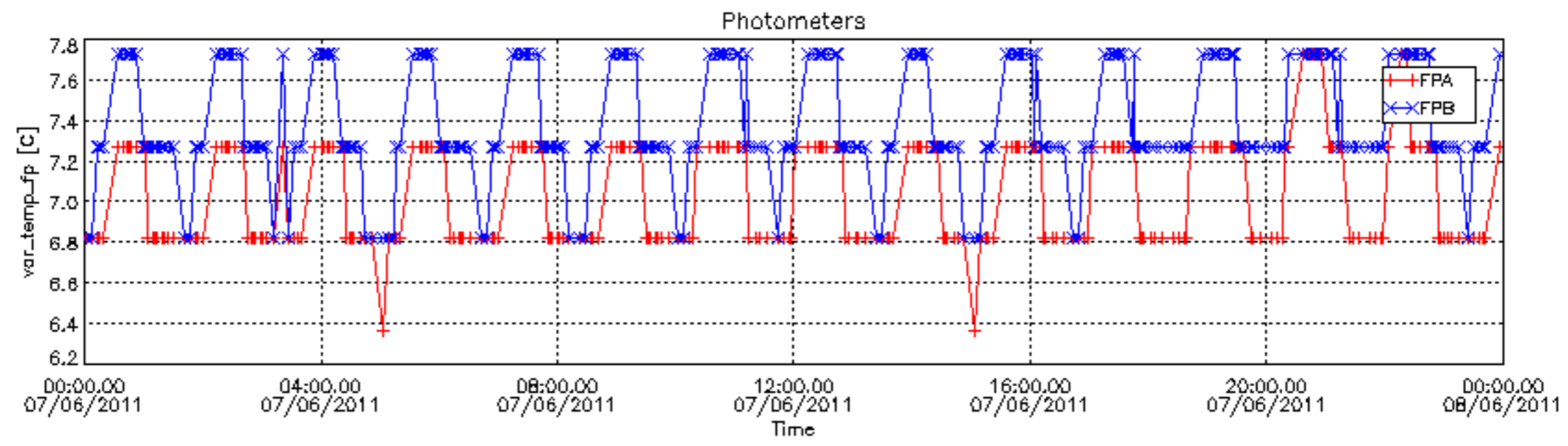
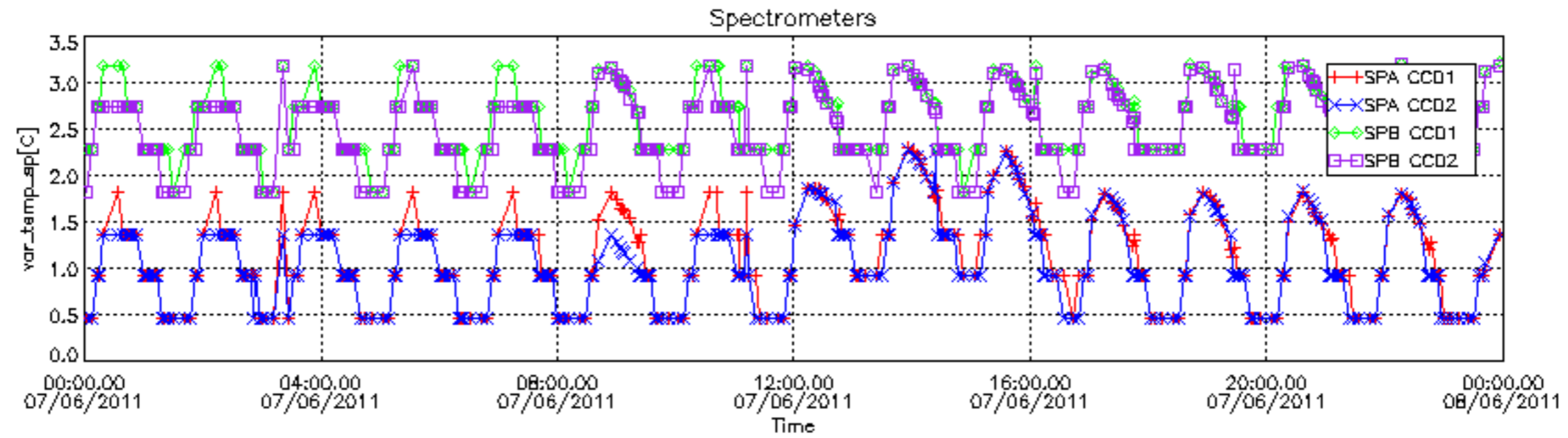


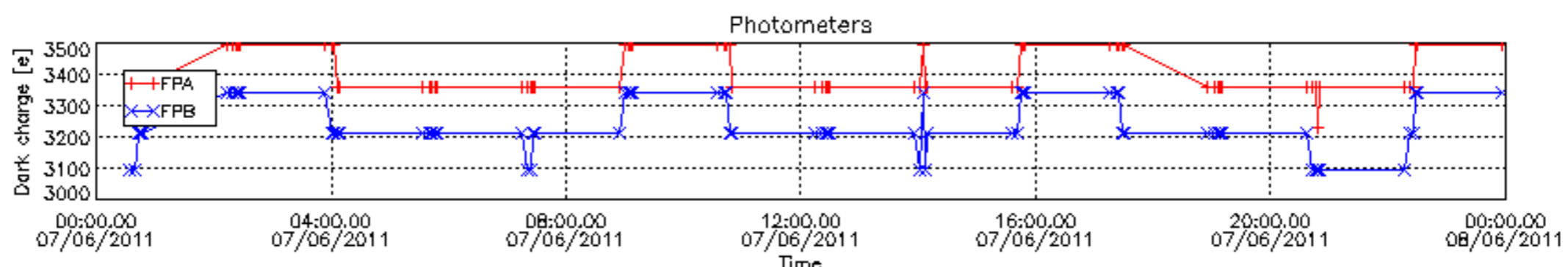
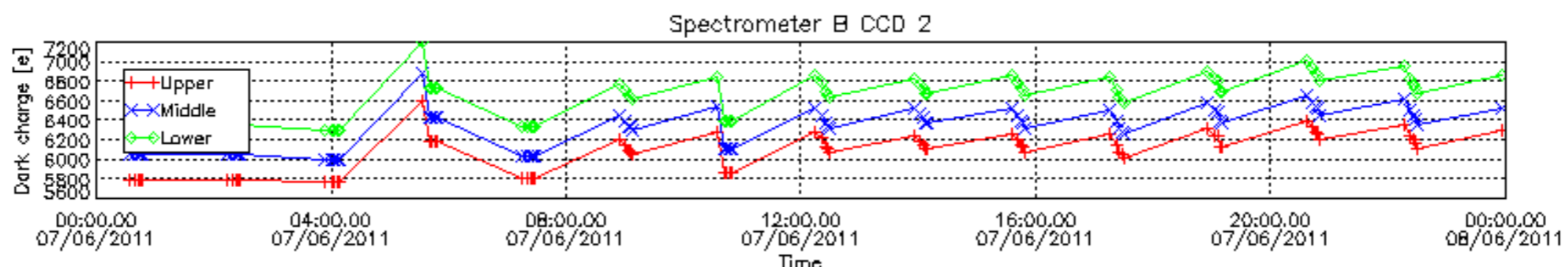
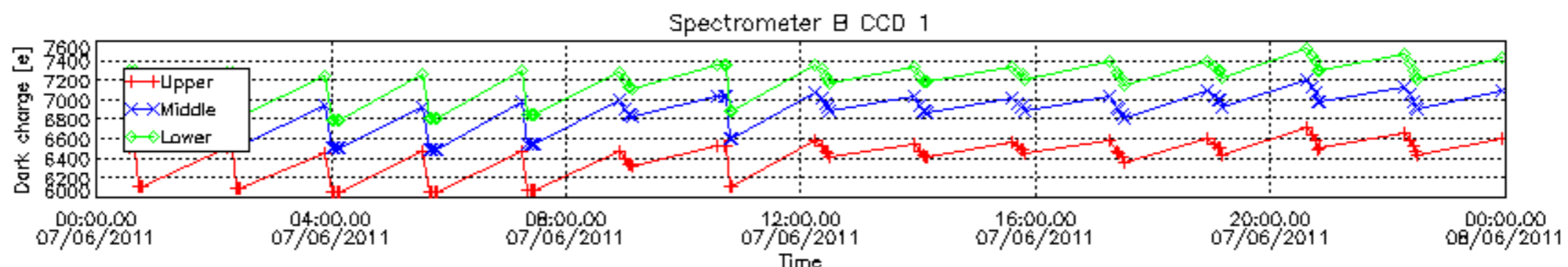
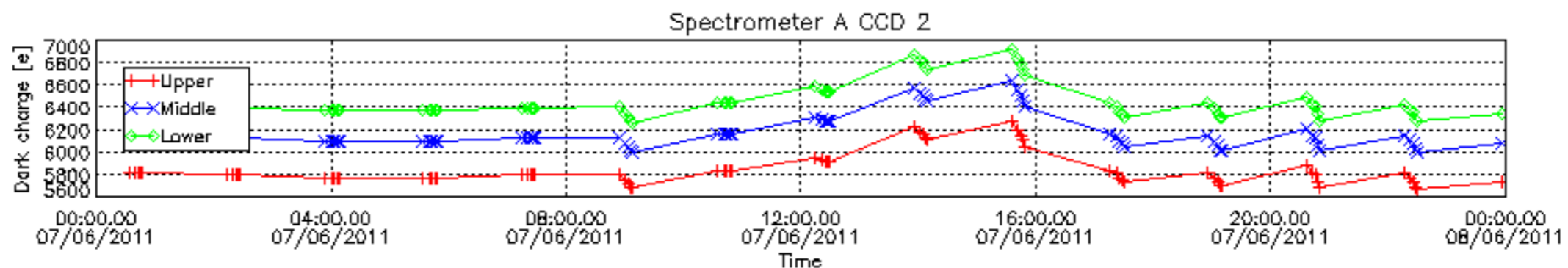
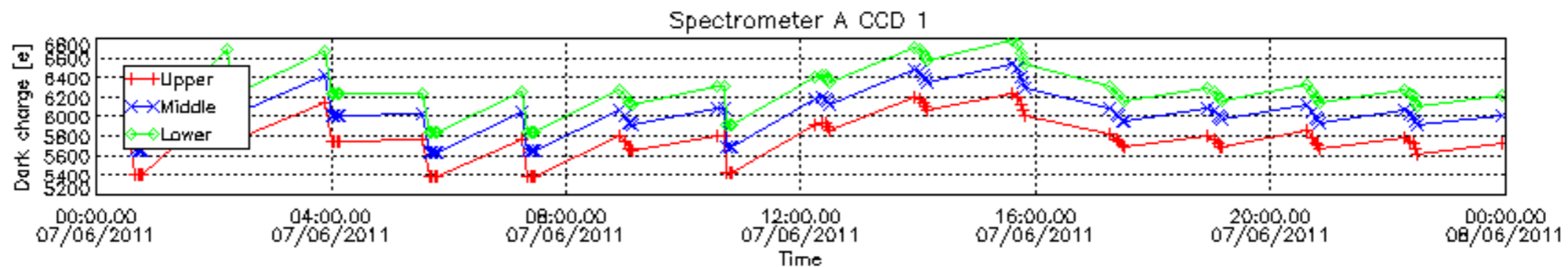
8. Auxiliary Data Files used for the production reported in section 2.4

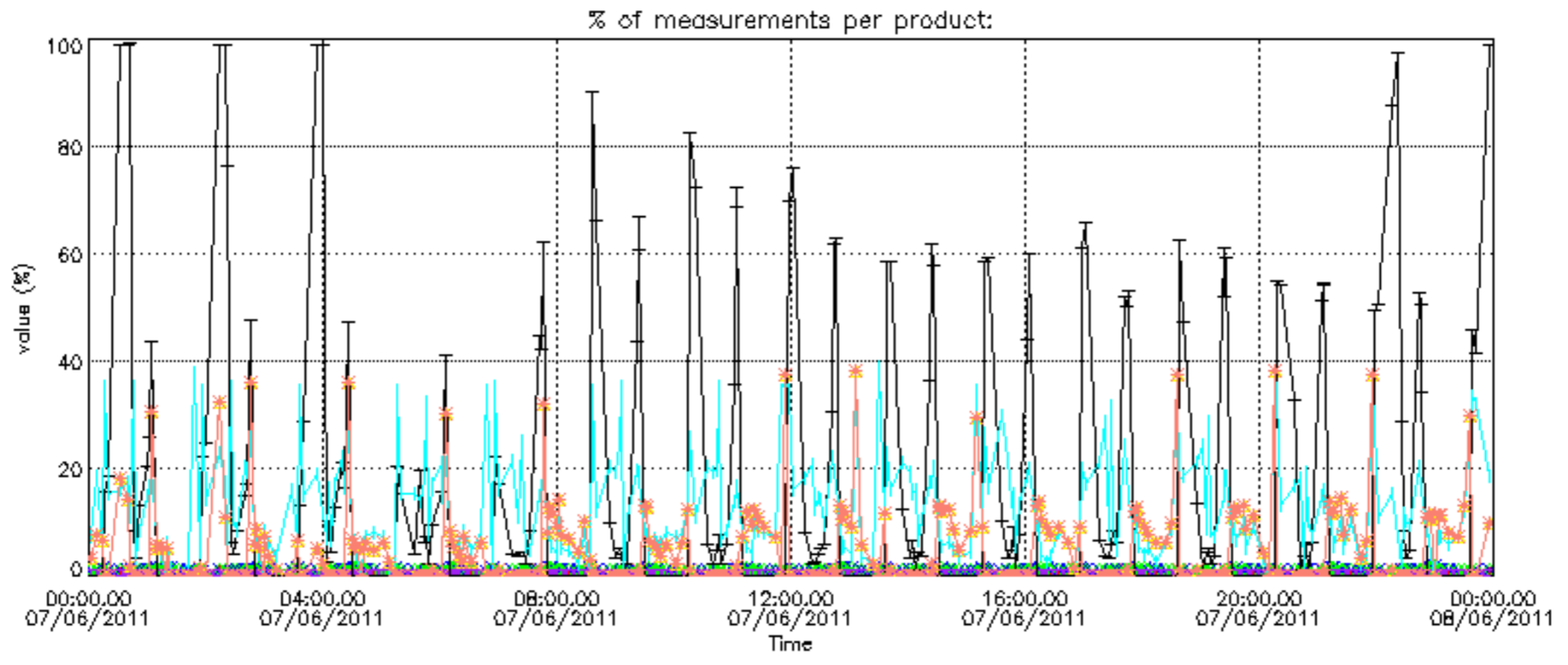
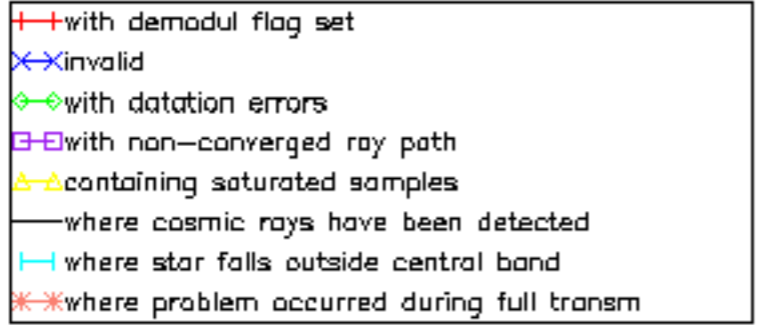
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|--|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 07-JUN-2011 00:01:36 |
| CALIBRATION_DATABASE | GOM_CAL_AXVIEC20110601_080509_20110531_000000_20500101_000000 | 1 | 07-JUN-2011 00:01:36 |
| CALIBRATION_DATABASE | GOM_CAL_AXNIEC20110606_150230_20110607_000000_20500101_000000 | 100 | 07-JUN-2011 07:51:53 |
| CALIBRATION_DATABASE | GOM_CAL_AXVIEC20110601_080509_20110531_000000_20500101_000000 | 122 | 07-JUN-2011 09:34:14 |
| CALIBRATION_DATABASE | GOM_CAL_AXNIEC20110606_150230_20110607_000000_20500101_000000 | 142 | 07-JUN-2011 11:12:21 |
| LEVEL-1B_PROC_CONFIG | GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000 | 1 | 07-JUN-2011 00:01:36 |
| LEVEL-1B_PROC_CONFIG | GOM_PR1_AXNIEC20110513_081743_20020301_000000_20500101_000000 | 100 | 07-JUN-2011 07:51:53 |
| LEVEL-1B_PROC_CONFIG | GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000 | 122 | 07-JUN-2011 09:34:14 |
| LEVEL-1B_PROC_CONFIG | GOM_PR1_AXNIEC20110513_081743_20020301_000000_20500101_000000 | 142 | 07-JUN-2011 11:12:21 |
| STAR_CATALOGUE | GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000 | 1 | 07-JUN-2011 00:01:36 |
| STELLAR_SPECTRA_DATABANK | GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000 | 1 | 07-JUN-2011 00:01:36 |
| ECMWF_FILE | AUX_ECF_AXNECM20110606_063412_20110606_210000_20110607_090000 | 1 | 07-JUN-2011 00:01:36 |
| ECMWF_FILE | AUX_ECF_AXNECM20110606_183319_20110607_030000_20110607_150000 | 43 | 07-JUN-2011 03:22:03 |
| ECMWF_FILE | AUX_ECA_AXNECM20110607_062114_20110606_210000_20110607_090000 | 65 | 07-JUN-2011 05:08:05 |
| ECMWF_FILE | AUX_ECF_AXNECM20110606_183319_20110607_030000_20110607_150000 | 100 | 07-JUN-2011 07:51:53 |
| ECMWF_FILE | AUX_ECF_AXNECM20110607_062114_20110607_090000_20110607_210000 | 122 | 07-JUN-2011 09:34:14 |
| ECMWF_FILE | AUX_ECF_AXNECM20110607_062115_20110607_150000_20110608_030000 | 201 | 07-JUN-2011 16:05:41 |
| ECMWF_FILE | AUX_ECA_AXNECM20110607_182113_20110607_090000_20110607_210000 | 239 | 07-JUN-2011 19:23:05 |
| ECMWF_FILE | AUX_ECF_AXNECM20110607_062115_20110607_210000_20110608_090000 | 259 | 07-JUN-2011 21:03:20 |
| OPTIONAL_ECMWF_FILE | MISSING | 1 | 07-JUN-2011 00:01:36 |
| ORBIT_DATA_FILE | AUX_FPO_AXVPDS20110606_221318_20110605_183829_20110615_205216 | 1 | 07-JUN-2011 00:01:36 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20110607_002727_000054193103_00174_48464_6157.N1 | 6 | 07-JUN-2011 00:32:58 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20110607_020305_000044633103_00175_48465_6158.N1 | 27 | 07-JUN-2011 02:13:13 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20110607_031728_000060573103_00176_48466_6159.N1 | 43 | 07-JUN-2011 03:22:03 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20110607_050344_000054193103_00177_48467_6160.N1 | 65 | 07-JUN-2011 05:08:05 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDK20110607_063922_000038263103_00178_48468_4764.N1 | 86 | 07-JUN-2011 06:48:19 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDK20110607_074827_000057383103_00179_48469_4765.N1 | 100 | 07-JUN-2011 07:51:53 |
| ORBIT_DATA_FILE | AUX_FPO_AXVPDS20110607_102112_20110606_194159_20110616_201532 | 122 | 07-JUN-2011 09:34:14 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDK20110607_111021_000054193103_00181_48471_4767.N1 | 142 | 07-JUN-2011 11:12:21 |
| ORBIT_DATA_FILE | AUX_FPO_AXVPDS20110607_102112_20110606_194159_20110616_201532 | 162 | 07-JUN-2011 12:50:49 |

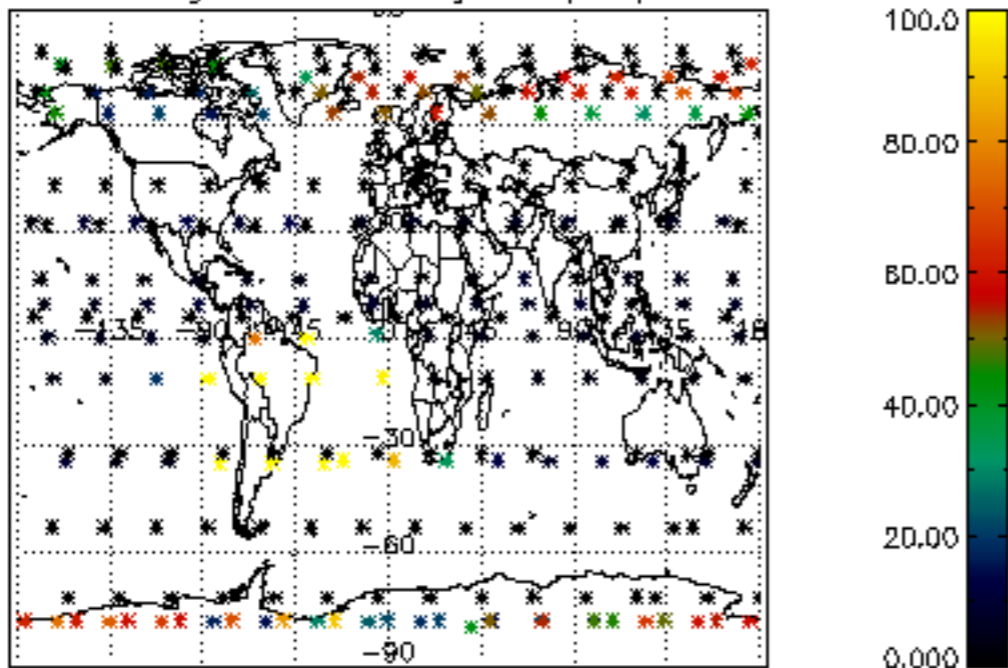




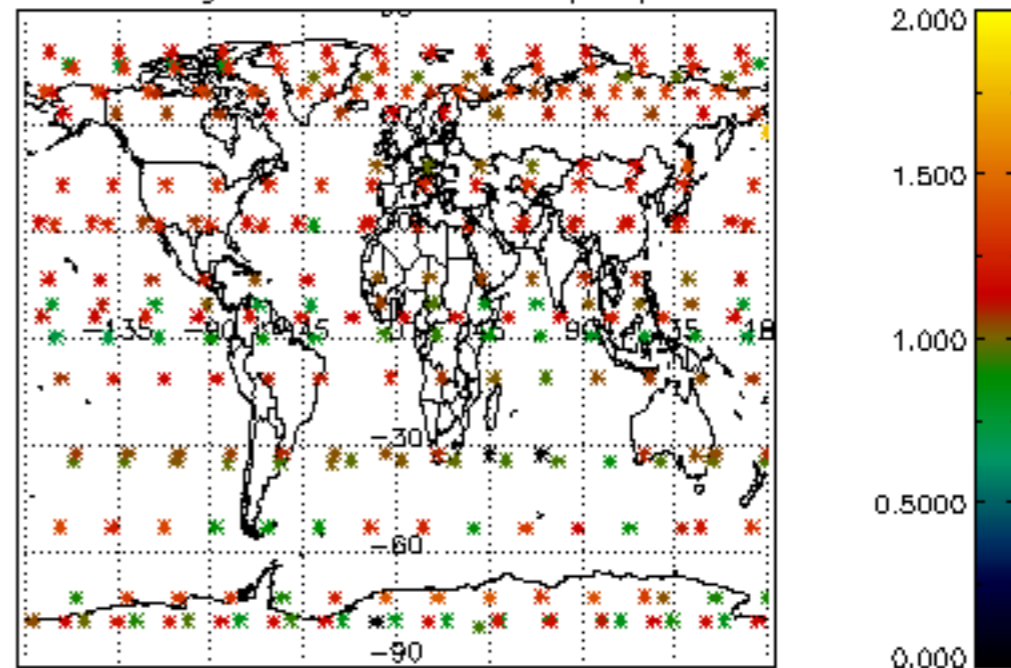




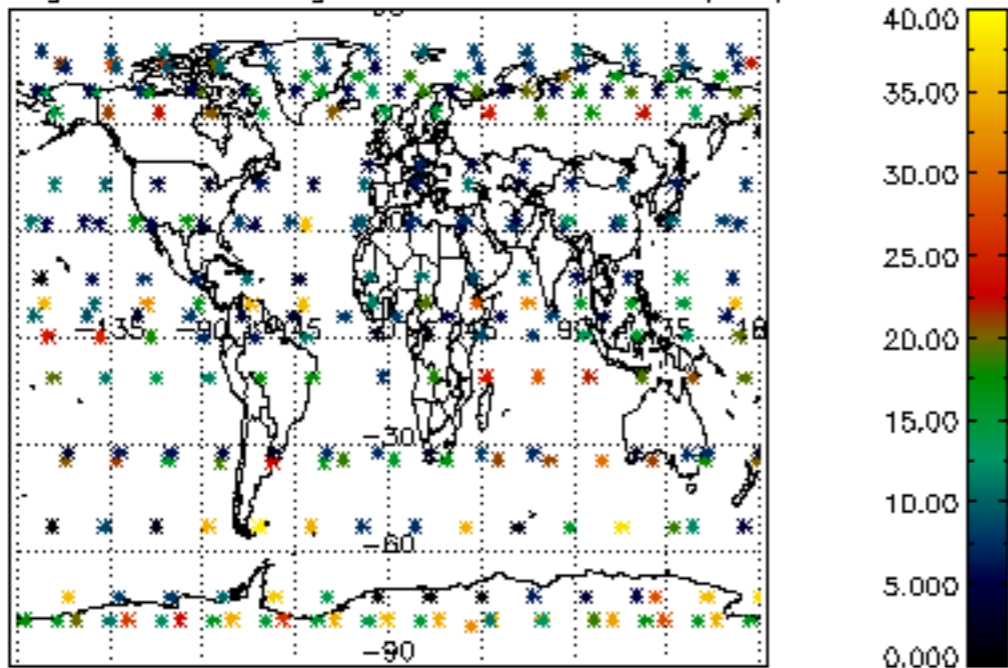
Percentage of cosmic ray hits per profile



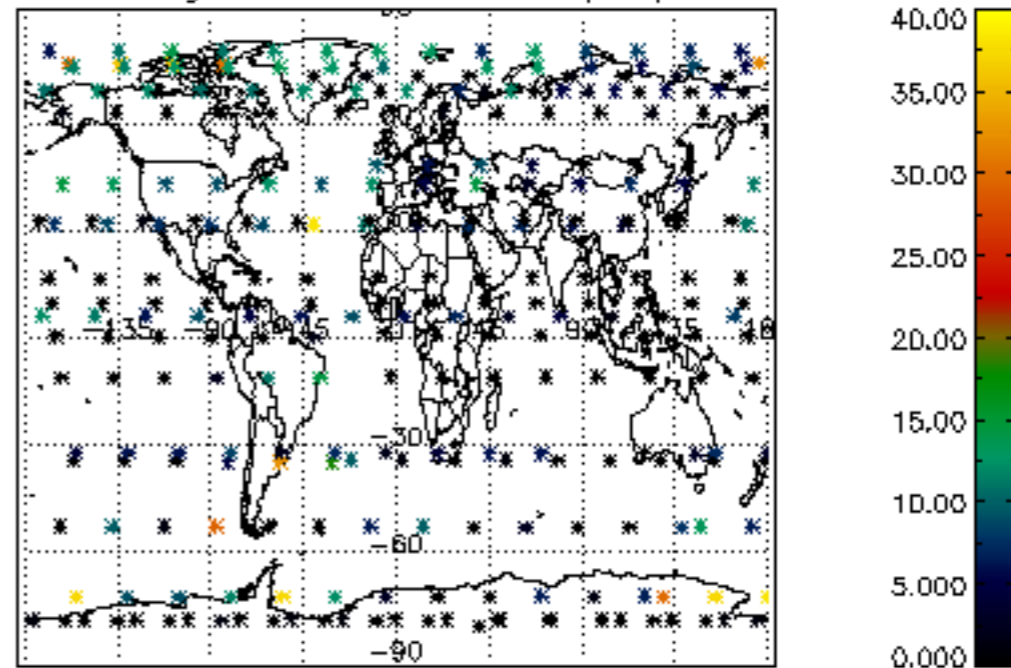
Percentage of datation errors per profile



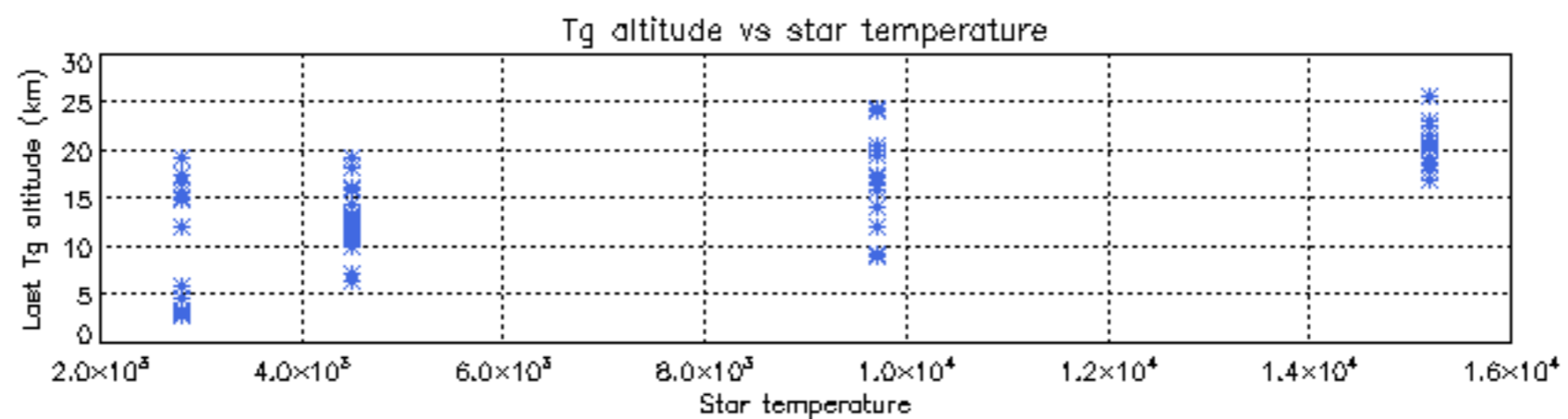
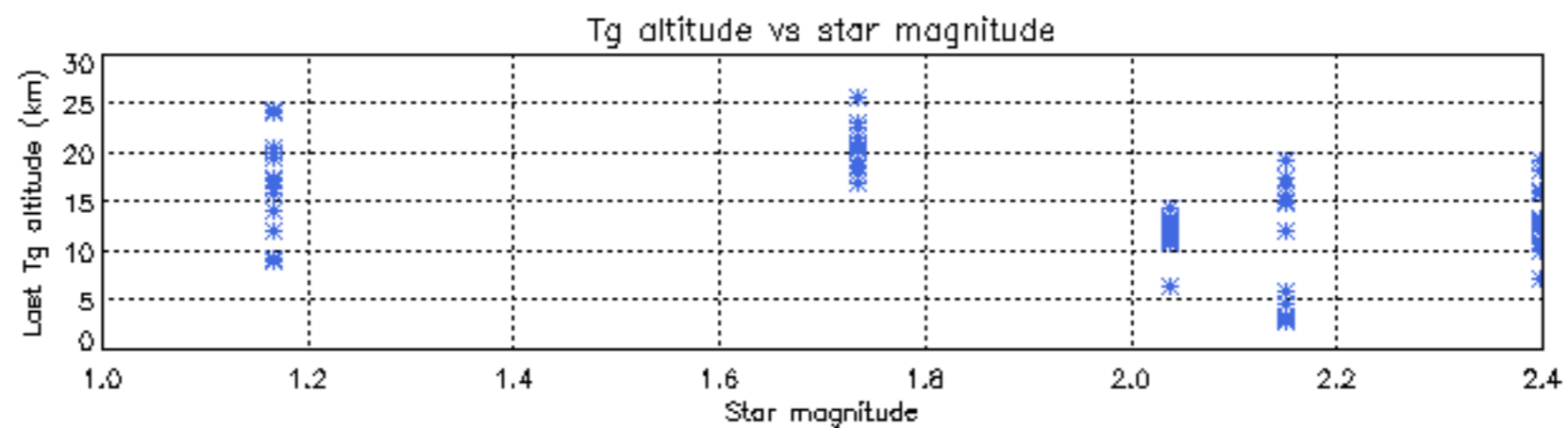
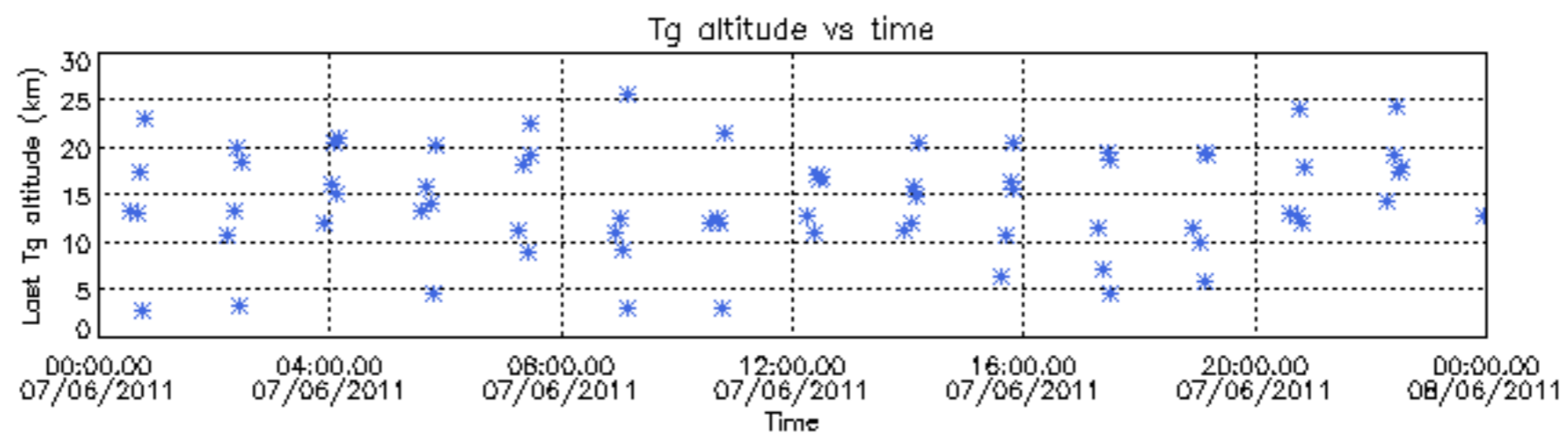
Percentage of star falling outside central band per profile



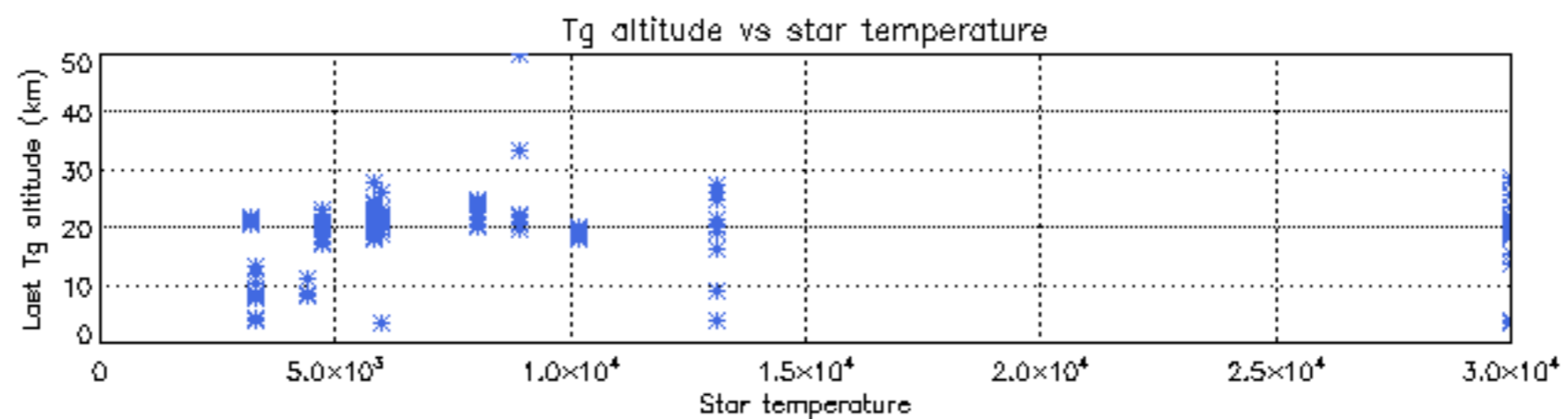
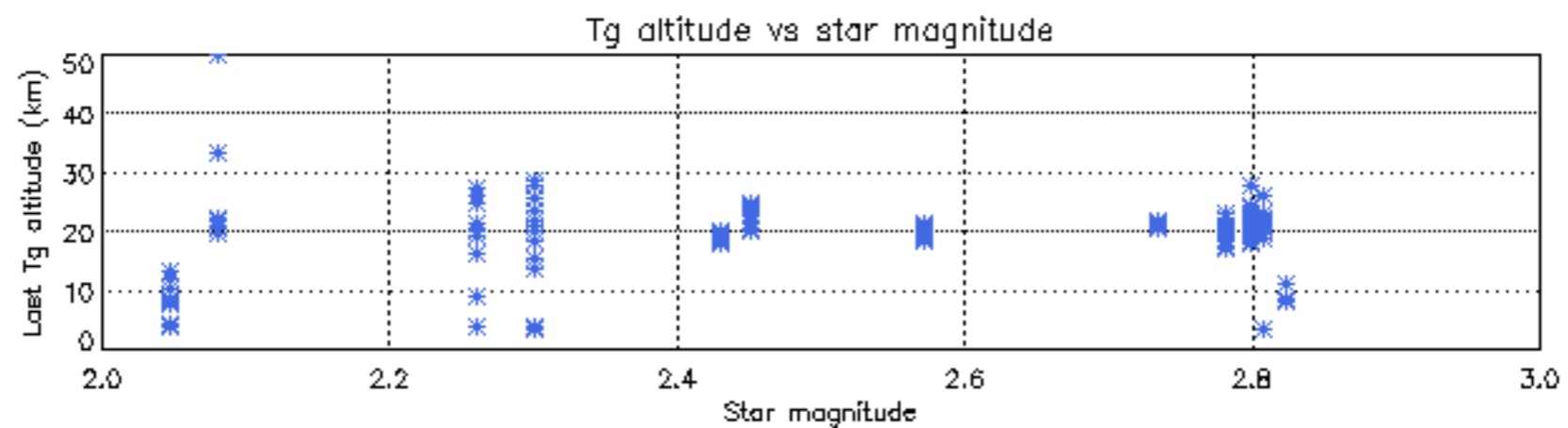
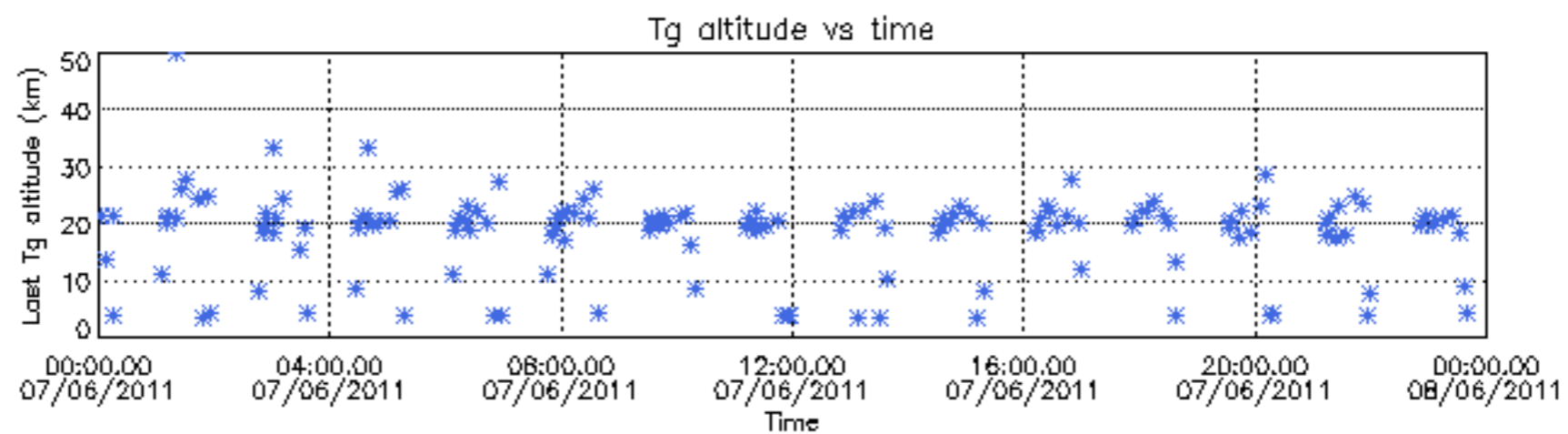
Percentage of saturation errors per profile



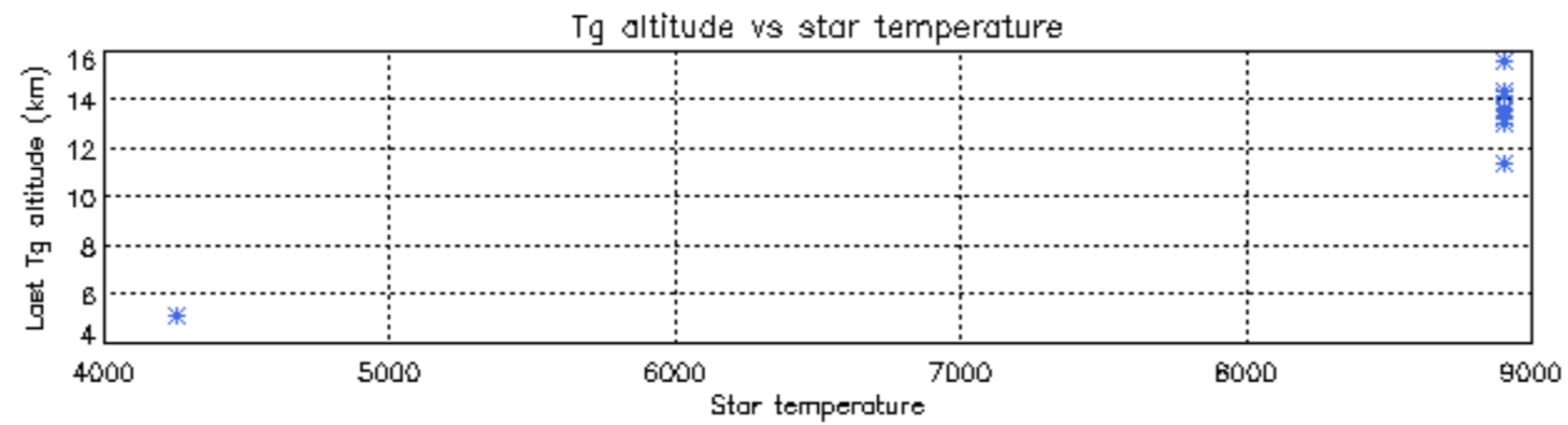
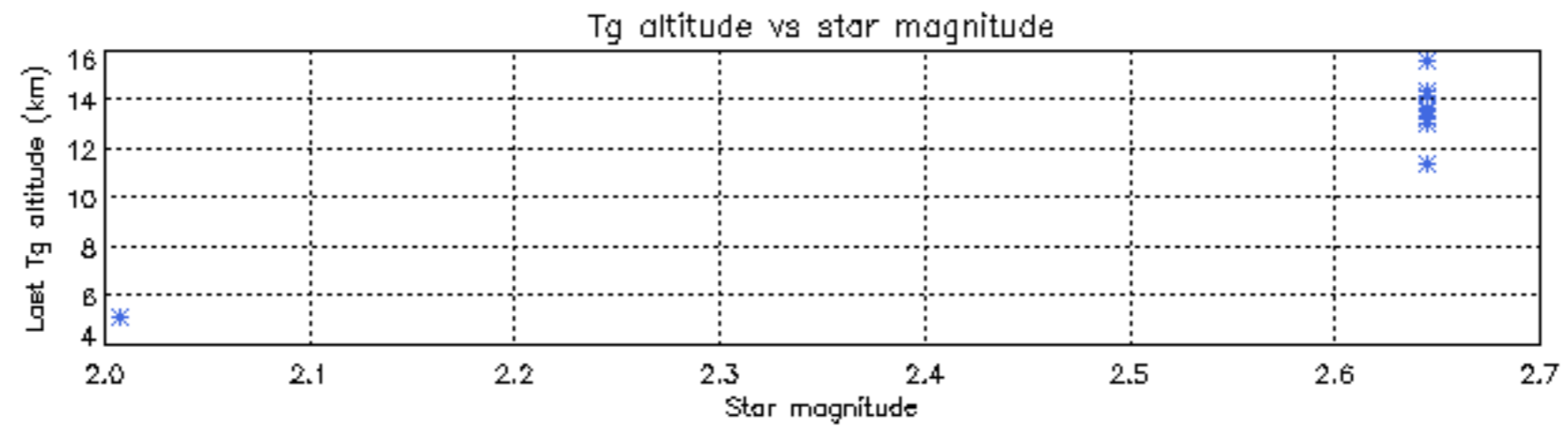
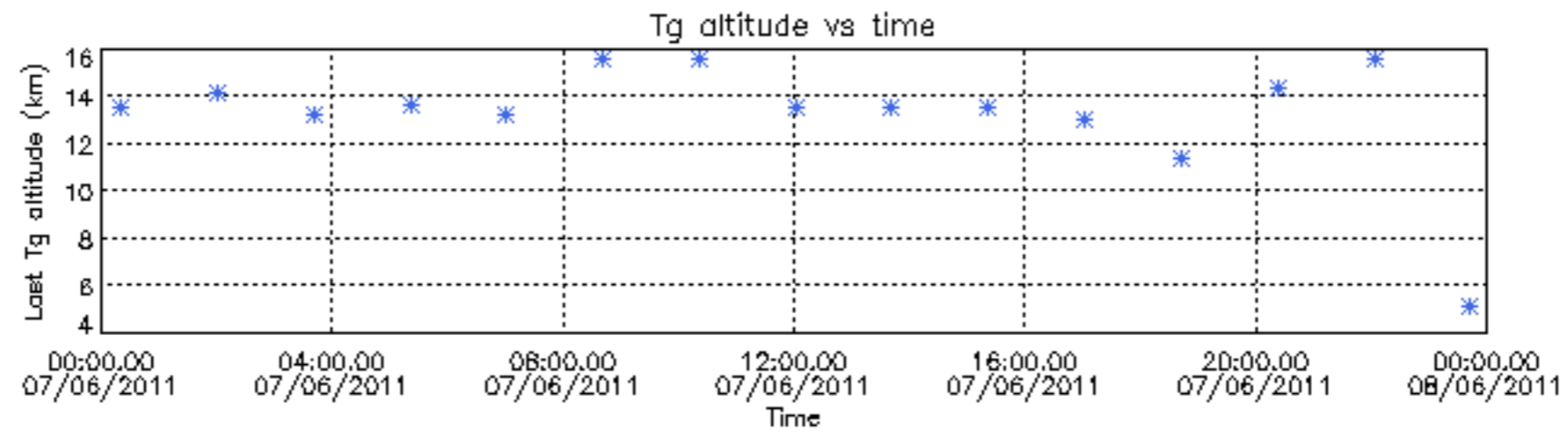
Tangent altitude at which the star is lost

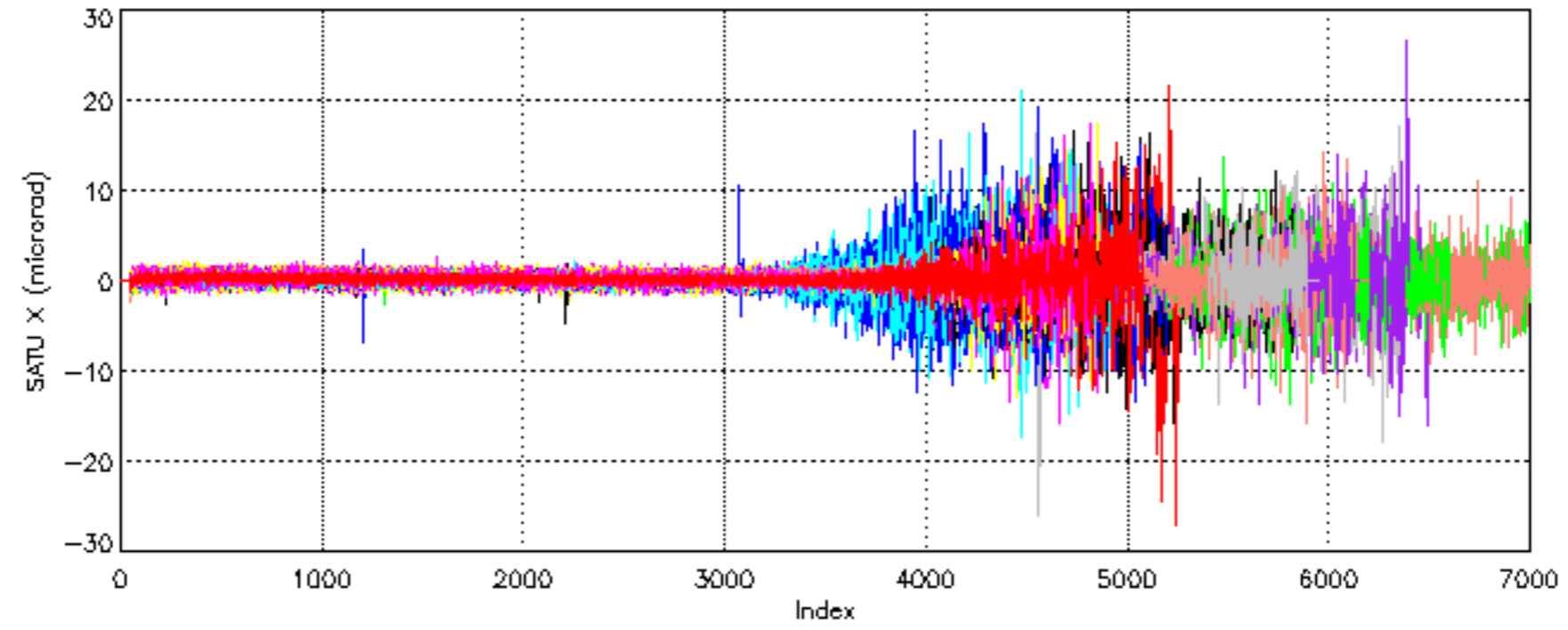


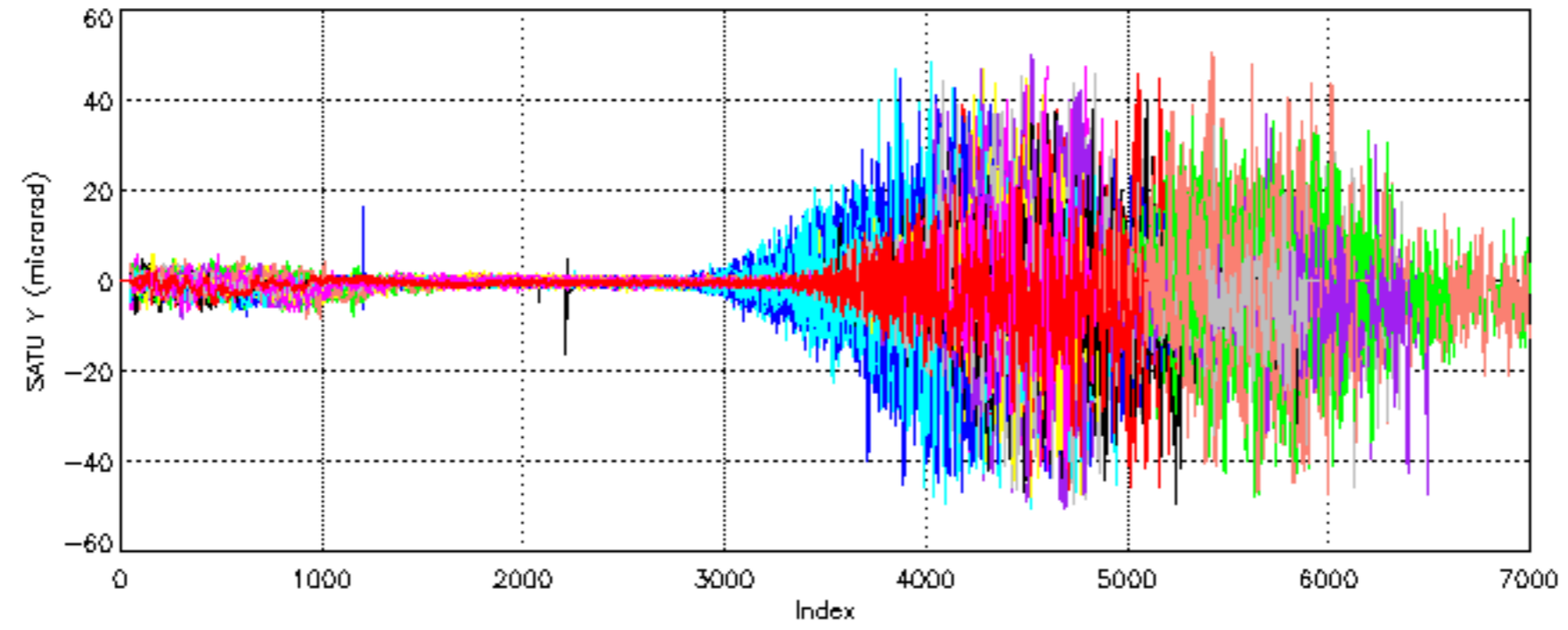
Tangent altitude at which the star is lost

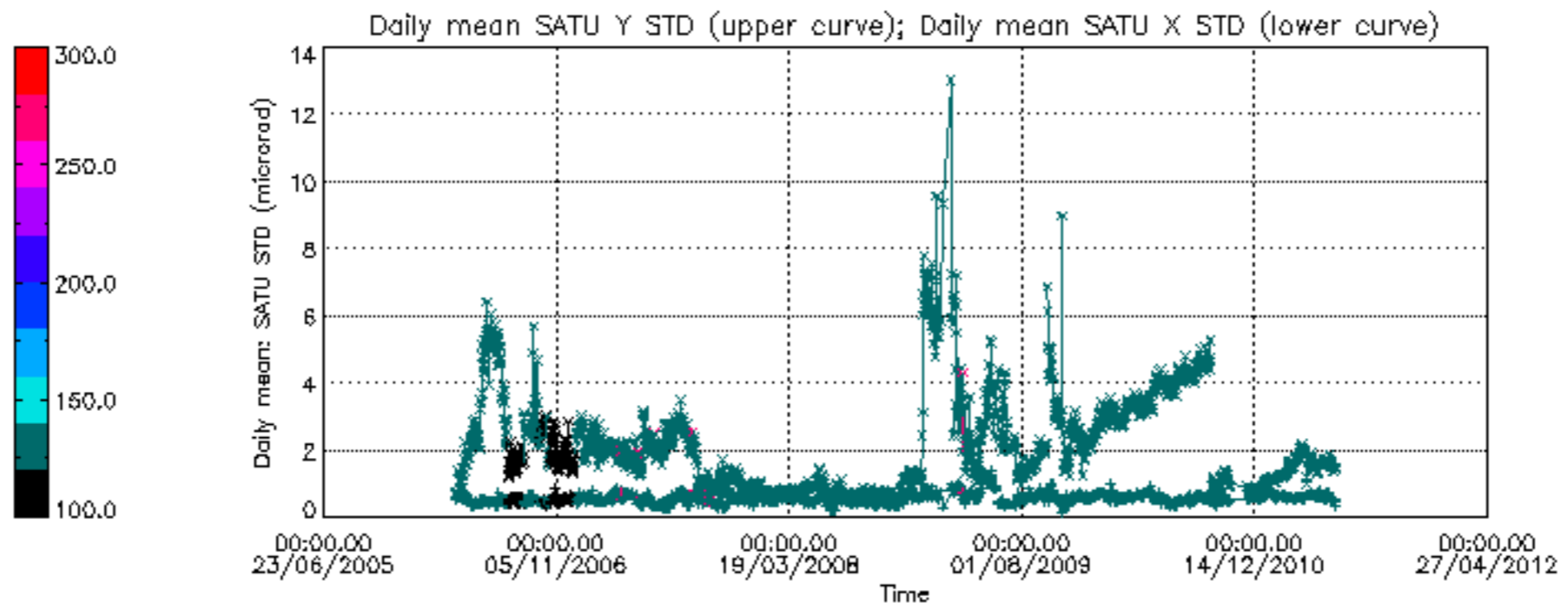


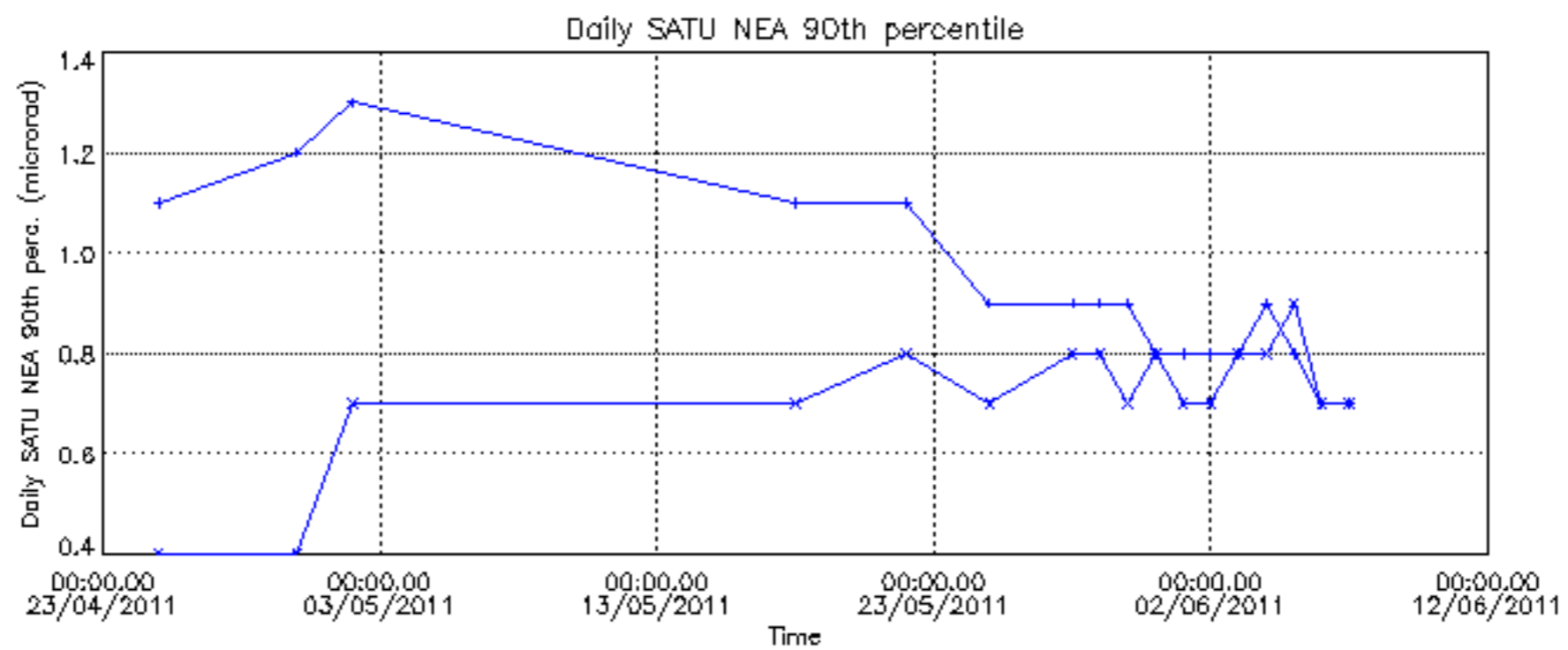
Tangent altitude at which the star is lost











/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110601_005013_000056293103_00088_48378_5842.N1

1; -744.8; 01-JUN-2011 00:50:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48378
 2; -641.2; 01-JUN-2011 00:51:56; Dark ; 50.5; 52; 16Bet Cet ; 2.04; 4500;occ; 101; 0;48378
 3; -241.4; 01-JUN-2011 00:58:36; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;48378
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 13; 4387.1; 13-JUN-2011 19:58:24; Dark ; 58.5; 53; 43Bet And ; 2.05; 3300;occ; 117; 0;48562
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9; 3476.4; 14-JUN-2011 17:26:15; Bright; 48.0; 89; 5Alp Cep ; 2.45; 8000;occ; 96; 0;48575
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9; 2945.6; 14-JUN-2011 18:57:38; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;48576
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8; 1195.0; 15-JUN-2011 01:09:23; Dark ; 50.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 101; 0;48580
9; 1284.5; 15-JUN-2011 01:10:53; Dark ; 53.5; 116; 19Del Sgr ; 2.70; 4100;occ; 107; 0;48580
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11; 1994.4; 15-JUN-2011 01:22:43; Bright; 46.5; 126; 60Bet Oph ; 2.77; 4250;occ; 93; 0;48580
12; 2144.9; 15-JUN-2011 01:25:13; Bright; 45.5; 59; 55Alp Oph ; 2.08; 8900;occ; 91; 0;48580
13; 2263.3; 15-JUN-2011 01:27:12; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;48580
14; 2444.9; 15-JUN-2011 01:30:13; Bright; 39.0; 133; 40Zet Her ; 2.81; 6000;occ; 78; 0;48580
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7; 618.2; 15-JUN-2011 02:40:00; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48581
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13; 2263.4; 15-JUN-2011 03:07:26; Bright; 36.0; 127; 27Bet Her ; 2.78; 4700;occ; 72; 0;48581
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4; -1626.0; 15-JUN-2011 03:42:50; Dark ; 58.0; 53; 43Bet And ; 2.05; 3300;occ; 116; 0;48581
5; -1416.2; 15-JUN-2011 03:46:20; Dark ; 47.5; 50; 13Alp Ari ; 2.01; 4250;occ; 95; 0;48581
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9; 266.8; 15-JUN-2011 04:14:23; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;48582
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11; 503.1; 15-JUN-2011 04:18:19; Dark ; 51.0; 172; Gam Gru ; 3.00; 13100;occ; 102; 0;48582
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17; 2144.5; 15-JUN-2011 04:45:41; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;48582
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9; 268.6; 15-JUN-2011 07:34:53; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;48584
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12; 620.3; 15-JUN-2011 07:40:45; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;48584
13; 1196.6; 15-JUN-2011 07:50:21; Dark ; 49.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 98; 0;48584
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6; 2850.7; 15-JUN-2011 08:17:55; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;48584
7; 3470.3; 15-JUN-2011 08:28:15; Bright; 48.0; 89; 5Alp Cep ; 2.45; 8000;occ; 96; 0;48584
8; 3856.0; 15-JUN-2011 08:34:40; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;48584
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6; 3470.0; 15-JUN-2011 10:08:28; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48585
7; 3855.8; 15-JUN-2011 10:14:54; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;48585
8; 3938.8; 15-JUN-2011 10:16:17; Bright; 45.0; 68; 18Alp Cas ; 2.22; 4500;occ; 90; 0;48585
9; 4248.3; 15-JUN-2011 10:21:27; Bright; 41.0; 73; 57Gam1And ; 2.26; 13100;occ; 82; 0;48585
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4; 2443.9; 15-JUN-2011 11:31:36; Bright; 38.0; 133; 40Zet Her ; 2.81; 6000;occ; 76; 0;48586
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7; 3855.2; 15-JUN-2011 11:55:07; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;48586
8; 3938.6; 15-JUN-2011 11:56:31; Bright; 41.0; 68; 18Alp Cas ; 2.22; 4500;occ; 82; 0;48586
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13; 5541.8; 15-JUN-2011 12:23:14; Dark ; 53.5; 52; 16Bet Cet ; 2.04; 4500;occ; 107; 0;48586
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17; 6523.6; 15-JUN-2011 12:39:36; Dark ; 49.0; 172; Gam Gru ; 3.00; 13100;occ; 98; 0;48587
18; 6635.9; 15-JUN-2011 12:41:28; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;48587
19; 7211.9; 15-JUN-2011 12:51:04; Dark ; 48.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 96; 0;48587
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6; 2849.6; 15-JUN-2011 13:18:36; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;48587
7; 3468.6; 15-JUN-2011 13:28:55; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48587
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9; 3938.4; 15-JUN-2011 13:36:44; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;48587
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12; 4599.4; 15-JUN-2011 13:47:45; Dark ; 50.5; 50; 13Alp Ari ; 2.01; 4250;occ; 101; 0;48587
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16; 6286.6; 15-JUN-2011 14:15:53; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;48588
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18; 6525.2; 15-JUN-2011 14:19:51; Dark ; 49.0; 172; Gam Gru ; 3.00; 13100;occ; 98; 0;48588
19; 6636.6; 15-JUN-2011 14:21:43; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;48588
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5; 2443.6; 15-JUN-2011 14:52:04; Bright; 38.0; 133; 40Zet Her ; 2.81; 6000;occ; 76; 0;48588

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8; 3854.8; 15-JUN-2011 15:15:35; Bright; 65.0; 74; 11Bet Cas ; 2.27; 6600;occ; 130; 0;48588
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6; 2443.5; 15-JUN-2011 16:32:18; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;48589
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18; 2666.3; 26-JUN-2011 06:31:27; Bright; 63.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 127; 0;48741
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3; 1460.2; 26-JUN-2011 21:13:27; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48750
4; 1971.3; 26-JUN-2011 21:21:58; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48750
5; 2112.6; 26-JUN-2011 21:24:19; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48750
6; 2661.0; 26-JUN-2011 21:33:27; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48750
7; 2801.8; 26-JUN-2011 21:35:48; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48750
8; 3787.9; 26-JUN-2011 21:52:14; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48750
9; 3885.2; 26-JUN-2011 21:53:52; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48750
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11; 4246.7; 26-JUN-2011 21:59:53; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;48750
12; 4398.0; 26-JUN-2011 22:02:25; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;48750
13; 4640.3; 26-JUN-2011 22:06:27; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48750
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3; 432.8; 26-JUN-2011 22:36:33; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;48751
4; 551.8; 26-JUN-2011 22:38:32; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48751
5; 714.0; 26-JUN-2011 22:41:14; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48751
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7; 1334.3; 26-JUN-2011 22:51:35; Dark ; 55.5; 116; 19Del Sgr ; 2.70; 4100;occ; 111; 0;48751

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13; 3787.4; 26-JUN-2011 23:32:28; Bright; 53.0; 74; 11Bet Cas ; 2.27; 6600;occ; 106; 0;48751
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15; 4043.7; 26-JUN-2011 23:36:44; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48751
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3; -1969.9; 26-JUN-2011 06:54:25; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48741
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11; 543.4; 26-JUN-2011 07:36:18; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48742
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13; 1249.0; 26-JUN-2011 07:48:04; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48742
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4; 2803.8; 26-JUN-2011 08:13:58; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48742
5; 3791.8; 26-JUN-2011 08:30:26; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48742
6; 3888.5; 26-JUN-2011 08:32:03; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48742
7; 4044.1; 26-JUN-2011 08:34:39; Bright; 38.5; 160; 23Gam Per ; 2.93; 4700;occ; 77; 0;48742
8; 4247.4; 26-JUN-2011 08:38:02; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;48742
9; 4397.7; 26-JUN-2011 08:40:32; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48742
10; 4638.3; 26-JUN-2011 08:44:33; Dark ; 52.5; 50; 13Alp Ari ; 2.01; 4250;occ; 105; 0;48742
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12; 5436.9; 26-JUN-2011 08:57:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48742
13; 6050.3; 26-JUN-2011 09:08:05; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;48743
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4; 2803.5; 26-JUN-2011 09:54:12; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48743
5; 3791.5; 26-JUN-2011 10:10:40; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48743
6; 3888.1; 26-JUN-2011 10:12:17; Bright; 54.5; 68; 18Alp Cas ; 2.22; 4500;occ; 109; 0;48743
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8; 4247.3; 26-JUN-2011 10:18:16; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48743
9; 4397.8; 26-JUN-2011 10:20:46; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48743
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11; 4932.1; 26-JUN-2011 10:29:41; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48743
12; 5437.7; 26-JUN-2011 10:38:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48743
13; 6051.4; 26-JUN-2011 10:48:20; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;48744
14; 6439.9; 26-JUN-2011 10:54:48; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48744
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16; 6724.4; 26-JUN-2011 10:59:33; Dark ; 44.0; 45; Alp Pav ; 1.94; 26000;occ; 88; 0;48744
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 3; 2664.5; 26-JUN-2011 11:32:07; Bright; 49.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 99; 0;48744
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 9; 4397.8; 26-JUN-2011 12:01:00; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48744
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 13; 6052.3; 26-JUN-2011 12:28:35; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;48745
 14; 6441.2; 26-JUN-2011 12:35:04; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48745
 15; 6560.4; 26-JUN-2011 12:37:03; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48745
 16; 6725.0; 26-JUN-2011 12:39:47; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48745
 17; 7263.9; 26-JUN-2011 12:48:46; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;48745
 18; 7346.7; 26-JUN-2011 12:50:09; Dark ; 48.0; 116; 19Del Sgr ; 2.70; 4100;occ; 96; 0;48745
 19; 7473.2; 26-JUN-2011 12:52:16; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48745

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 9; 4397.7; 26-JUN-2011 13:41:14; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48745
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 13; 6053.4; 26-JUN-2011 14:08:50; Dark ; 58.5; 84; Alp Phe ; 2.40; 4500;occ; 117; 0;48746
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 12; 5440.0; 26-JUN-2011 15:38:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48746
 13; 6054.2; 26-JUN-2011 15:49:05; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;48747
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 9; 1971.2; 27-JUN-2011 00:42:26; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48752
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4; 565.6; 27-JUN-2011 23:42:16; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48766
5; 721.7; 27-JUN-2011 23:44:52; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48766
6; 1255.6; 27-JUN-2011 23:53:46; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48766
7; 1338.0; 27-JUN-2011 23:55:08; Dark ; 41.0; 116; 19Del Sgr ; 2.70; 4100;occ; 82; 0;48766
8; 1463.5; 27-JUN-2011 23:57:14; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48766
9; 1970.6; 28-JUN-2011 00:05:41; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48766
10; 2110.7; 28-JUN-2011 00:08:01; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48766
11; 2652.3; 28-JUN-2011 00:17:02; Bright; 45.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 91; 0;48766
12; 2798.8; 28-JUN-2011 00:19:29; Bright; 53.0; 130; 23Bet Dra ; 2.80; 5800;occ; 106; 0;48766
13; 3346.5; 28-JUN-2011 00:28:37; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48766
14; 3780.1; 28-JUN-2011 00:35:50; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48766
15; 3878.8; 28-JUN-2011 00:37:29; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48766
16; 4043.4; 28-JUN-2011 00:40:14; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48766
17; 4245.9; 28-JUN-2011 00:43:36; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48766
18; 4399.4; 28-JUN-2011 00:46:10; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48766
19; 4645.3; 28-JUN-2011 00:50:15; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48766
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2; -2130.7; 27-JUN-2011 06:15:00; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48755
3; -1970.3; 27-JUN-2011 06:17:40; Bright; 49.5; 160; 23Gam Per ; 2.93; 4700;occ; 99; 0;48755
4; -1767.6; 27-JUN-2011 06:21:03; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48755
5; -1615.4; 27-JUN-2011 06:23:35; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48755
6; -1371.9; 27-JUN-2011 06:27:39; Dark ; 53.0; 50; 13Alp Ari ; 2.01; 4250;occ; 106; 0;48755
7; -1077.5; 27-JUN-2011 06:32:33; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48755
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9; 49.2; 27-JUN-2011 06:51:20; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;48756
10; 438.0; 27-JUN-2011 06:57:48; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48756
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12; 716.7; 27-JUN-2011 07:02:27; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48756
13; 1252.9; 27-JUN-2011 07:11:23; Dark ; 46.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 92; 0;48756
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 5; 3353.1; 27-JUN-2011 07:46:23; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;48756
 6; 3785.1; 27-JUN-2011 07:53:35; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48756
 7; 3882.8; 27-JUN-2011 07:55:13; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48756
 8; 4043.7; 27-JUN-2011 07:57:54; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48756
 9; 4246.5; 27-JUN-2011 08:01:17; Bright; 45.0; 73; 57Gam1And ; 2.26; 13100;occ; 90; 0;48756
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 11; 4642.4; 27-JUN-2011 08:07:53; Dark ; 53.0; 50; 13Alp Ari ; 2.01; 4250;occ; 106; 0;48756
 12; 4937.0; 27-JUN-2011 08:12:47; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48756
 13; 5447.8; 27-JUN-2011 08:21:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48756
 14; 6064.0; 27-JUN-2011 08:31:34; Dark ; 58.5; 84; Alp Phe ; 2.40; 4500;occ; 117; 0;48757
 15; 6452.9; 27-JUN-2011 08:38:03; Dark ; 65.0; 63; Bet Gru ; 2.15; 2800;occ; 130; 0;48757
 16; 6571.5; 27-JUN-2011 08:40:02; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48757
 17; 6731.3; 27-JUN-2011 08:42:42; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;48757
 18; 7267.1; 27-JUN-2011 08:51:38; Dark ; 42.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 84; 0;48757
 19; 7349.7; 27-JUN-2011 08:53:00; Dark ; 41.0; 116; 19Del Sgr ; 2.70; 4100;occ; 82; 0;48757
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 2; 2111.9; 27-JUN-2011 09:05:56; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48757
 3; 2657.4; 27-JUN-2011 09:15:02; Bright; 46.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 92; 0;48757
 4; 2800.9; 27-JUN-2011 09:17:25; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48757
 5; 3352.2; 27-JUN-2011 09:26:37; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48757
 6; 3784.6; 27-JUN-2011 09:33:49; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48757
 7; 3882.5; 27-JUN-2011 09:35:27; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48757
 8; 4043.7; 27-JUN-2011 09:38:08; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48757
 9; 4246.6; 27-JUN-2011 09:41:31; Bright; 44.0; 73; 57Gam1And ; 2.26; 13100;occ; 88; 0;48757
 10; 4398.8; 27-JUN-2011 09:44:03; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;48757
 11; 4642.7; 27-JUN-2011 09:48:07; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;48757
 12; 4937.4; 27-JUN-2011 09:53:02; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;48757
 13; 5448.6; 27-JUN-2011 10:01:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48757
 14; 6065.2; 27-JUN-2011 10:11:50; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;48758
 15; 6453.6; 27-JUN-2011 10:18:18; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48758
 16; 6572.2; 27-JUN-2011 10:20:17; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48758
 17; 6731.5; 27-JUN-2011 10:22:56; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48758
 18; 7267.3; 27-JUN-2011 10:31:52; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48758
 19; 7350.0; 27-JUN-2011 10:33:14; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48758
 20; 7475.8; 27-JUN-2011 10:35:20; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48758

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 2; 2111.6; 27-JUN-2011 10:46:10; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48758
 3; 2656.8; 27-JUN-2011 10:55:15; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;48758
 4; 2800.3; 27-JUN-2011 10:57:39; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48758
 5; 3351.8; 27-JUN-2011 11:06:50; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48758
 6; 3784.1; 27-JUN-2011 11:14:02; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;48758
 7; 3882.1; 27-JUN-2011 11:15:40; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48758
 8; 4043.5; 27-JUN-2011 11:18:22; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48758
 9; 4246.4; 27-JUN-2011 11:21:45; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48758
 10; 4398.7; 27-JUN-2011 11:24:17; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48758
 11; 4642.8; 27-JUN-2011 11:28:21; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48758
 12; 4937.7; 27-JUN-2011 11:33:16; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48758
 13; 5449.4; 27-JUN-2011 11:41:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48758
 14; 6066.0; 27-JUN-2011 11:52:04; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;48759
 15; 6454.7; 27-JUN-2011 11:58:33; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48759
 16; 6573.4; 27-JUN-2011 12:00:32; Dark ; 55.0; 31; Alp Gru ; 1.73; 15200;occ; 110; 0;48759
 17; 6732.3; 27-JUN-2011 12:03:11; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48759
 18; 7267.8; 27-JUN-2011 12:12:06; Dark ; 43.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 87; 0;48759
 19; 7350.3; 27-JUN-2011 12:13:29; Dark ; 44.0; 116; 19Del Sgr ; 2.70; 4100;occ; 88; 0;48759
 20; 7476.2; 27-JUN-2011 12:15:34; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48759

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 3; 2656.4; 27-JUN-2011 12:35:29; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48759
 4; 2800.3; 27-JUN-2011 12:37:52; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48759
 5; 3351.0; 27-JUN-2011 12:47:03; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48759
 6; 3783.5; 27-JUN-2011 12:54:16; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48759
 7; 3881.8; 27-JUN-2011 12:55:54; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48759


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9; 4246.4; 27-JUN-2011 13:01:59; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48759
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11; 4643.2; 27-JUN-2011 13:08:35; Dark ; 58.5; 50; 13Alp Ari ; 2.01; 4250;occ; 117; 0;48759
12; 4938.2; 27-JUN-2011 13:13:30; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48759
13; 5450.2; 27-JUN-2011 13:22:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48759
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15; 6455.7; 27-JUN-2011 13:38:48; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48760
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18; 7267.9; 27-JUN-2011 13:52:20; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;48760
19; 7350.4; 27-JUN-2011 13:53:43; Dark ; 47.0; 116; 19Del Sgr ; 2.70; 4100;occ; 94; 0;48760
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3; 2655.6; 27-JUN-2011 14:15:42; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;48760
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5; 3350.6; 27-JUN-2011 14:27:17; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48760
6; 3783.2; 27-JUN-2011 14:34:29; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48760
7; 3881.6; 27-JUN-2011 14:36:08; Bright; 46.0; 68; 18Alp Cas ; 2.22; 4500;occ; 92; 0;48760
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9; 4246.5; 27-JUN-2011 14:42:13; Bright; 48.5; 73; 57Gam1And ; 2.26; 13100;occ; 97; 0;48760
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19; 7350.6; 27-JUN-2011 15:33:57; Dark ; 52.0; 116; 19Del Sgr ; 2.70; 4100;occ; 104; 0;48761
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27; 7477.9; 28-JUN-2011 03:17:42; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48768
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12; 724.3; 28-JUN-2011 08:06:04; Dark ; 45.0; 45; Alp Pav ; 1.94; 26000;occ; 90; 0;48771
13; 1257.2; 28-JUN-2011 08:14:57; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48771
14; 1339.4; 28-JUN-2011 08:16:20; Dark ; 49.0; 116; 19Del Sgr ; 2.70; 4100;occ; 98; 0;48771
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 6; 3777.8; 28-JUN-2011 08:56:58; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;48771
 7; 3876.8; 28-JUN-2011 08:58:37; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;48771
 8; 4043.3; 28-JUN-2011 09:01:23; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48771
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19; 7353.4; 28-JUN-2011 09:56:34; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48772
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6; 3777.1; 28-JUN-2011 10:37:11; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48772
7; 3876.3; 28-JUN-2011 10:38:50; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48772
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9; 4245.8; 28-JUN-2011 10:45:00; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;48772
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14; 6079.6; 28-JUN-2011 11:15:34; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;48773
15; 6468.2; 28-JUN-2011 11:22:02; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48773
16; 6586.1; 28-JUN-2011 11:24:00; Dark ; 53.0; 31; Alp Gru ; 1.73; 15200;occ; 106; 0;48773
17; 6739.2; 28-JUN-2011 11:26:33; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48773
18; 7271.4; 28-JUN-2011 11:35:26; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48773
19; 7353.7; 28-JUN-2011 11:36:48; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48773
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3; 2648.8; 28-JUN-2011 11:58:37; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48773
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5; 3341.5; 28-JUN-2011 12:10:09; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48773
6; 3776.9; 28-JUN-2011 12:17:25; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48773
7; 3875.9; 28-JUN-2011 12:19:04; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48773
8; 4043.1; 28-JUN-2011 12:21:51; Bright; 41.5; 160; 23Gam Per ; 2.93; 4700;occ; 83; 0;48773
9; 4245.9; 28-JUN-2011 12:25:14; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48773
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11; 4647.3; 28-JUN-2011 12:31:55; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48773
12; 4943.5; 28-JUN-2011 12:36:52; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48773
13; 5461.5; 28-JUN-2011 12:45:30; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48773
14; 6080.6; 28-JUN-2011 12:55:49; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48774
15; 6469.2; 28-JUN-2011 13:02:17; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;48774
16; 6587.0; 28-JUN-2011 13:04:15; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48774
17; 6739.7; 28-JUN-2011 13:06:48; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48774
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19; 7354.0; 28-JUN-2011 13:17:02; Dark ; 45.5; 116; 19Del Sgr ; 2.70; 4100;occ; 91; 0;48774
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2; 2110.6; 28-JUN-2011 13:29:53; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;48774
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4; 2797.4; 28-JUN-2011 13:41:19; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48774
5; 3341.0; 28-JUN-2011 13:50:23; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48774
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9; 4245.7; 28-JUN-2011 14:05:28; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48774
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11; 4647.8; 28-JUN-2011 14:12:10; Dark ; 55.0; 50; 13Alp Ari ; 2.01; 4250;occ; 110; 0;48774
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13; 5462.4; 28-JUN-2011 14:25:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48774
14; 6081.8; 28-JUN-2011 14:36:04; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;48775
15; 6470.3; 28-JUN-2011 14:42:32; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;48775
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18; 7272.4; 28-JUN-2011 14:55:54; Dark ; 47.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 95; 0;48775
19; 7354.4; 28-JUN-2011 14:57:16; Dark ; 49.5; 116; 19Del Sgr ; 2.70; 4100;occ; 99; 0;48775
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5; 2647.9; 28-JUN-2011 15:19:04; Bright; 48.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 97; 0;48775
6; 2797.3; 28-JUN-2011 15:21:33; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48775
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8; 3775.8; 28-JUN-2011 15:37:52; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48775
9; 3875.4; 28-JUN-2011 15:39:31; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48775

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10; 4043.0; 28-JUN-2011 15:42:19; Bright; 46.5; 160; 23Gam Per ; 2.93; 4700;occ; 93; 0;48775
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 13; 4648.2; 28-JUN-2011 15:52:24; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48775
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 17; 6471.5; 28-JUN-2011 16:22:47; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48776
 18; 6589.0; 28-JUN-2011 16:24:45; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48776
 19; 6740.9; 28-JUN-2011 16:27:17; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48776

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 4; 1970.4; 28-JUN-2011 16:48:00; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48776
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 11; 4043.1; 28-JUN-2011 17:22:33; Bright; 41.0; 160; 23Gam Per ; 2.93; 4700;occ; 82; 0;48776
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 18; 6472.5; 28-JUN-2011 18:03:02; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;48777
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 19; 6590.7; 28-JUN-2011 19:45:15; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48778
 20; 6741.5; 28-JUN-2011 19:47:46; Dark ; 47.5; 45; Alp Pav ; 1.94; 26000;occ; 95; 0;48778

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 9; 1970.1; 29-JUN-2011 01:09:10; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48781
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 11; 2226.9; 29-JUN-2011 01:13:27; Bright; 33.0; 168; 17Zet Aql ; 2.99; 11000;occ; 66; 0;48781
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 13; 2795.9; 29-JUN-2011 01:22:56; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48781
 14; 3336.0; 29-JUN-2011 01:31:56; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;48781
 15; 3772.7; 29-JUN-2011 01:39:13; Bright; 70.0; 74; 11Bet Cas ; 2.27; 6600;occ; 140; 0;48781


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17; 4042.7; 29-JUN-2011 01:43:43; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48781
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 5; 729.6; 29-JUN-2011 02:28:43; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48782
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 7; 1466.7; 29-JUN-2011 02:41:01; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48782
 8; 1969.9; 29-JUN-2011 02:49:24; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48782
 9; 2109.6; 29-JUN-2011 02:51:43; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48782
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11; 2644.0; 29-JUN-2011 03:00:38; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48782
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 5;-1613.4; 29-JUN-2011 03:29:54; Dark ; 51.0; 173; 4Bet Tri ; 3.00; 8900;occ; 102; 0;48782
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13; 1300.5; 29-JUN-2011 04:18:28; Dark ; 45.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 90; 0;48783
14; 1467.0; 29-JUN-2011 04:21:15; Bright; 46.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 92; 0;48783
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13; 1300.7; 29-JUN-2011 05:58:43; Dark ; 45.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 91; 0;48784
14; 1467.5; 29-JUN-2011 06:01:29; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48784
15; 1970.0; 29-JUN-2011 06:09:52; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48784
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 4; 2109.3; 29-JUN-2011 21:14:17; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48793
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| | | | | | | | | | | | | | |
|---|---------|-------------|-----------|---------|-------|-------|-----------|-----------|-------|------------|------------|---------|---------|
| 11; | 4145.2; | 30-JUN-2011 | 12:50:19; | Bright; | 34.0; | 175; | 39Del Per | ; | 3.01; | 19400;occ; | 68; | 0;48802 | |
| 12; | 4243.9; | 30-JUN-2011 | 12:51:57; | Bright; | 47.0; | 73; | 57Gam1And | ; | 2.26; | 13100;occ; | 94; | 0;48802 | |
| 13; | 4402.0; | 30-JUN-2011 | 12:54:36; | Dark | ; | 47.0; | 173; | 4Bet Tri | ; | 3.00; | 8900;occ; | 94; | 0;48802 |
| 14; | 4656.7; | 30-JUN-2011 | 12:58:50; | Dark | ; | 56.0; | 50; | 13Alp Ari | ; | 2.01; | 4250;occ; | 112; | 0;48802 |
| 15; | 4955.4; | 30-JUN-2011 | 13:03:49; | Dark | ; | 51.5; | 94; | 92Alp Cet | ; | 2.53; | 3100;occ; | 103; | 0;48802 |
| 16; | 5486.3; | 30-JUN-2011 | 13:12:40; | Dark | ; | 59.5; | 0; | | ; | 0.00; | 0;occ; | 119; | 0;48802 |
| 17; | 6110.1; | 30-JUN-2011 | 13:23:04; | Dark | ; | 50.5; | 84; | Alp Phe | ; | 2.40; | 4500;occ; | 101; | 0;48803 |
| 18; | 6497.5; | 30-JUN-2011 | 13:29:31; | Dark | ; | 51.5; | 63; | Bet Gru | ; | 2.15; | 2800;occ; | 103; | 0;48803 |
| 19; | 6613.3; | 30-JUN-2011 | 13:31:27; | Dark | ; | 48.5; | 31; | Alp Gru | ; | 1.73; | 15200;occ; | 97; | 0;48803 |
| 20; | 6754.2; | 30-JUN-2011 | 13:33:48; | Dark | ; | 41.5; | 45; | Alp Pav | ; | 1.94; | 26000;occ; | 83; | 0;48803 |
| 21; | 7320.6; | 30-JUN-2011 | 13:43:14; | Dark | ; | 44.0; | 103; | 38Zet Sgr | ; | 2.60; | 9700;occ; | 88; | 0;48803 |
| 22; | 7485.0; | 30-JUN-2011 | 13:45:59; | Bright; | 45.5; | 155; | 41Pi Sgr | ; | 2.90; | 6600;occ; | 91; | 0;48803 | |
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| 1; | 1969.8; | 30-JUN-2011 | 13:54:17; | Bright; | 38.0; | 126; | 60Bet Oph | ; | 2.77; | 4250;occ; | 76; | 0;48803 | |
| 2; | 2109.1; | 30-JUN-2011 | 13:56:37; | Bright; | 36.0; | 59; | 55Alp Oph | ; | 2.08; | 8900;occ; | 72; | 0;48803 | |
| 3; | 2215.2; | 30-JUN-2011 | 13:58:23; | Bright; | 48.5; | 168; | 17Zet Aql | ; | 2.99; | 11000;occ; | 97; | 0;48803 | |
| 4; | 2634.0; | 30-JUN-2011 | 14:05:22; | Bright; | 45.5; | 5; | 3Alp Lyr | ; | 0.03; | 11000;occ; | 91; | 0;48803 | |
| 5; | 2792.8; | 30-JUN-2011 | 14:08:00; | Bright; | 38.5; | 130; | 23Bet Dra | ; | 2.80; | 5800;occ; | 77; | 0;48803 | |
| 6; | 2901.2; | 30-JUN-2011 | 14:09:49; | Bright; | 49.5; | 144; | 18Del Cyg | ; | 2.86; | 11000;occ; | 99; | 0;48803 | |
| 7; | 3321.6; | 30-JUN-2011 | 14:16:49; | Bright; | 43.5; | 89; | 5Alp Cep | ; | 2.45; | 8000;occ; | 87; | 0;48803 | |
| 8; | 3761.5; | 30-JUN-2011 | 14:24:09; | Bright; | 68.0; | 74; | 11Bet Cas | ; | 2.27; | 6600;occ; | 136; | 0;48803 | |
| 9; | 3855.1; | 30-JUN-2011 | 14:25:43; | Bright; | 56.0; | 110; | 37Del Cas | ; | 2.68; | 8900;occ; | 112; | 0;48803 | |
| 10; | 4041.8; | 30-JUN-2011 | 14:28:49; | Bright; | 36.0; | 160; | 23Gam Per | ; | 2.93; | 4700;occ; | 72; | 0;48803 | |
| 11; | 4145.2; | 30-JUN-2011 | 14:30:33; | Bright; | 42.0; | 175; | 39Del Per | ; | 3.01; | 19400;occ; | 84; | 0;48803 | |
| 12; | 4243.9; | 30-JUN-2011 | 14:32:11; | Bright; | 47.5; | 73; | 57Gam1And | ; | 2.26; | 13100;occ; | 95; | 0;48803 | |
| 13; | 4402.1; | 30-JUN-2011 | 14:34:50; | Dark | ; | 51.0; | 173; | 4Bet Tri | ; | 3.00; | 8900;occ; | 102; | 0;48803 |
| 14; | 4657.1; | 30-JUN-2011 | 14:39:05; | Dark | ; | 59.0; | 50; | 13Alp Ari | ; | 2.01; | 4250;occ; | 118; | 0;48803 |
| 15; | 4955.9; | 30-JUN-2011 | 14:44:03; | Dark | ; | 48.5; | 94; | 92Alp Cet | ; | 2.53; | 3100;occ; | 97; | 0;48803 |
| 16; | 5487.2; | 30-JUN-2011 | 14:52:55; | Dark | ; | 59.0; | 0; | | ; | 0.00; | 0;occ; | 118; | 0;48803 |
| 17; | 6111.2; | 30-JUN-2011 | 15:03:19; | Dark | ; | 47.0; | 84; | Alp Phe | ; | 2.40; | 4500;occ; | 94; | 0;48804 |
| 18; | 6498.5; | 30-JUN-2011 | 15:09:46; | Dark | ; | 51.5; | 63; | Bet Gru | ; | 2.15; | 2800;occ; | 103; | 0;48804 |
| 19; | 6614.2; | 30-JUN-2011 | 15:11:42; | Dark | ; | 53.0; | 31; | Alp Gru | ; | 1.73; | 15200;occ; | 106; | 0;48804 |
| 20; | 6754.7; | 30-JUN-2011 | 15:14:02; | Dark | ; | 41.0; | 45; | Alp Pav | ; | 1.94; | 26000;occ; | 82; | 0;48804 |
| 21; | 7320.9; | 30-JUN-2011 | 15:23:28; | Dark | ; | 40.5; | 103; | 38Zet Sgr | ; | 2.60; | 9700;occ; | 81; | 0;48804 |
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| 1; | 1471.3; | 30-JUN-2011 | 15:26:13; | Bright; | 44.5; | 155; | 41Pi Sgr | ; | 2.90; | 6600;occ; | 89; | 0;48804 | |
| 2; | 1969.8; | 30-JUN-2011 | 15:34:31; | Bright; | 38.0; | 126; | 60Bet Oph | ; | 2.77; | 4250;occ; | 76; | 0;48804 | |
| 3; | 2109.0; | 30-JUN-2011 | 15:36:51; | Bright; | 39.5; | 59; | 55Alp Oph | ; | 2.08; | 8900;occ; | 79; | 0;48804 | |
| 4; | 2214.7; | 30-JUN-2011 | 15:38:36; | Bright; | 47.5; | 168; | 17Zet Aql | ; | 2.99; | 11000;occ; | 95; | 0;48804 | |
| 5; | 2633.5; | 30-JUN-2011 | 15:45:35; | Bright; | 43.0; | 5; | 3Alp Lyr | ; | 0.03; | 11000;occ; | 86; | 0;48804 | |
| 6; | 2792.6; | 30-JUN-2011 | 15:48:14; | Bright; | 37.0; | 130; | 23Bet Dra | ; | 2.80; | 5800;occ; | 74; | 0;48804 | |
| 7; | 2900.4; | 30-JUN-2011 | 15:50:02; | Bright; | 46.5; | 144; | 18Del Cyg | ; | 2.86; | 11000;occ; | 93; | 0;48804 | |
| 8; | 3320.9; | 30-JUN-2011 | 15:57:02; | Bright; | 45.0; | 89; | 5Alp Cep | ; | 2.45; | 8000;occ; | 90; | 0;48804 | |
| 9; | 3761.0; | 30-JUN-2011 | 16:04:22; | Bright; | 47.0; | 74; | 11Bet Cas | ; | 2.27; | 6600;occ; | 94; | 0;48804 | |
| 10; | 3854.9; | 30-JUN-2011 | 16:05:56; | Bright; | 54.0; | 110; | 37Del Cas | ; | 2.68; | 8900;occ; | 108; | 0;48804 | |
| 11; | 4041.8; | 30-JUN-2011 | 16:09:03; | Bright; | 56.0; | 160; | 23Gam Per | ; | 2.93; | 4700;occ; | 112; | 0;48804 | |
| 12; | 4145.3; | 30-JUN-2011 | 16:10:47; | Bright; | 33.5; | 175; | 39Del Per | ; | 3.01; | 19400;occ; | 67; | 0;48804 | |
| 13; | 4243.8; | 30-JUN-2011 | 16:12:25; | Bright; | 48.0; | 73; | 57Gam1And | ; | 2.26; | 13100;occ; | 96; | 0;48804 | |
| 14; | 4402.0; | 30-JUN-2011 | 16:15:03; | Dark | ; | 49.5; | 173; | 4Bet Tri | ; | 3.00; | 8900;occ; | 99; | 0;48804 |
| 15; | 4657.4; | 30-JUN-2011 | 16:19:19; | Dark | ; | 57.0; | 50; | 13Alp Ari | ; | 2.01; | 4250;occ; | 114; | 0;48804 |
| 16; | 4956.3; | 30-JUN-2011 | 16:24:18; | Dark | ; | 49.5; | 94; | 92Alp Cet | ; | 2.53; | 3100;occ; | 99; | 0;48804 |
| 17; | 5488.2; | 30-JUN-2011 | 16:33:10; | Dark | ; | 59.5; | 0; | | ; | 0.00; | 0;occ; | 119; | 0;48804 |
| 18; | 6112.3; | 30-JUN-2011 | 16:43:34; | Dark | ; | 50.0; | 84; | Alp Phe | ; | 2.40; | 4500;occ; | 100; | 0;48805 |
| 19; | 6499.6; | 30-JUN-2011 | 16:50:01; | Dark | ; | 49.5; | 63; | Bet Gru | ; | 2.15; | 2800;occ; | 99; | 0;48805 |
| 20; | 6615.3; | 30-JUN-2011 | 16:51:57; | Dark | ; | 50.0; | 31; | Alp Gru | ; | 1.73; | 15200;occ; | 100; | 0;48805 |
| 21; | 6755.2; | 30-JUN-2011 | 16:54:17; | Dark | ; | 41.5; | 45; | Alp Pav | ; | 1.94; | 26000;occ; | 83; | 0;48805 |
| 22; | 7321.3; | 30-JUN-2011 | 17:03:43; | Dark | ; | 46.5; | 103; | 38Zet Sgr | ; | 2.60; | 9700;occ; | 93; | 0;48805 |
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| 2; | 1969.7; | 30-JUN-2011 | 17:14:45; | Bright; | 38.5; | 126; | 60Bet Oph | ; | 2.77; | 4250;occ; | 77; | 0;48805 | |
| 3; | 2109.0; | 30-JUN-2011 | 17:17:05; | Bright; | 36.5; | 59; | 55Alp Oph | ; | 2.08; | 8900;occ; | 73; | 0;48805 | |
| 4; | 2214.1; | 30-JUN-2011 | 17:18:50; | Bright; | 47.0; | 168; | 17Zet Aql | ; | 2.99; | 11000;occ; | 94; | 0;48805 | |
| 5; | 2633.0; | 30-JUN-2011 | 17:25:49; | Bright; | 47.5; | 5; | 3Alp Lyr | ; | 0.03; | 11000;occ; | 95; | 0;48805 | |
| 6; | 2792.5; | 30-JUN-2011 | 17:28:28; | Bright; | 38.0; | 130; | 23Bet Dra | ; | 2.80; | 5800;occ; | 76; | 0;48805 | |
| 7; | 2899.6; | 30-JUN-2011 | 17:30:15; | Bright; | 47.5; | 144; | 18Del Cyg | ; | 2.86; | 11000;occ; | 95; | 0;48805 | |
| 8; | 3320.3; | 30-JUN-2011 | 17:37:16; | Bright; | 44.5; | 89; | 5Alp Cep | ; | 2.45; | 8000;occ; | 89; | 0;48805 | |
| 9; | 3760.4; | 30-JUN-2011 | 17:44:36; | Bright; | 68.0; | 74; | 11Bet Cas | ; | 2.27; | 6600;occ; | 136; | 0;48805 | |
| 10; | 3854.5; | 30-JUN-2011 | 17:46:10; | Bright; | 45.0; | 110; | 37Del Cas | ; | 2.68; | 8900;occ; | 90; | 0;48805 | |

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11; 4041.8; 30-JUN-2011 17:49:17; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48805
12; 4145.4; 30-JUN-2011 17:51:01; Bright; 54.0; 175; 39Del Per ; 3.01; 19400;occ; 108; 0;48805
13; 4243.7; 30-JUN-2011 17:52:39; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;48805
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15; 4657.7; 30-JUN-2011 17:59:33; Dark ; 58.0; 50; 13Alp Ari ; 2.01; 4250;occ; 116; 0;48805
16; 4956.7; 30-JUN-2011 18:04:32; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48805
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18; 6113.3; 30-JUN-2011 18:23:49; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48806
19; 6500.5; 30-JUN-2011 18:30:16; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;48806
20; 6616.1; 30-JUN-2011 18:32:12; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48806
21; 6755.7; 30-JUN-2011 18:34:31; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;48806
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10; 3760.0; 30-JUN-2011 19:24:50; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48806
11; 3854.2; 30-JUN-2011 19:26:24; Bright; 40.0; 110; 37Del Cas ; 2.68; 8900;occ; 80; 0;48806
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13; 4145.5; 30-JUN-2011 19:31:15; Bright; 54.0; 175; 39Del Per ; 3.01; 19400;occ; 108; 0;48806
14; 4243.7; 30-JUN-2011 19:32:53; Bright; 50.5; 73; 57Gam1And ; 2.26; 13100;occ; 101; 0;48806
15; 4402.2; 30-JUN-2011 19:35:32; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48806
16; 4658.1; 30-JUN-2011 19:39:48; Dark ; 57.5; 50; 13Alp Ari ; 2.01; 4250;occ; 115; 0;48806
17; 4957.2; 30-JUN-2011 19:44:47; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48806
18; 5489.9; 30-JUN-2011 19:53:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48806
19; 6114.3; 30-JUN-2011 20:04:04; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48807
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