

GOMOS Daily Report 17-JAN-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 | 20JAN2011 04:59:33 |
| Data source version | GOMOS/5.01 |
| Start time of products | 17JAN2011 00:00:10 |
| Stop time of products | 17JAN2011 23:56:01 |
| Store outputs in DB | Yes |
| Nb of level 1b prods | 140 |
| Nb of prods with errors | 2 |

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

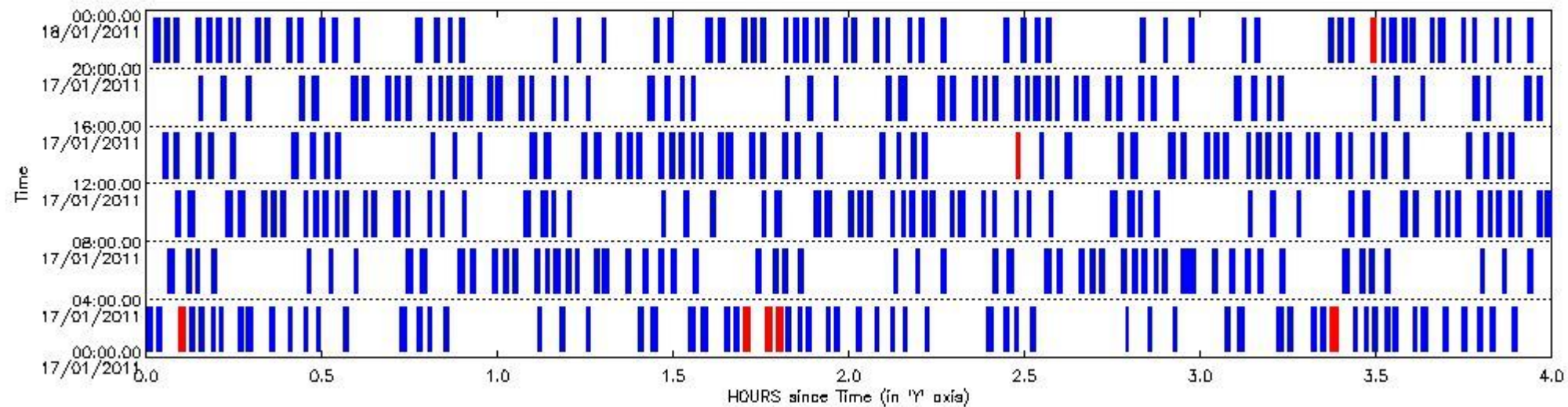
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

| UTC start time | Star name | Star ID | Orbit |
|----------------------|-----------|---------|-------|
| 17-JAN-2011 00:05:34 | GamLup | 131 | 46438 |
| 17-JAN-2011 01:41:54 | 9Alp2Lib | 122 | 46439 |
| 17-JAN-2011 01:45:49 | GamLup | 131 | 46439 |
| 17-JAN-2011 01:47:37 | BetLup | 109 | 46439 |
| 17-JAN-2011 03:22:09 | 9Alp2Lib | 122 | 46440 |
| 17-JAN-2011 14:28:41 | 50AlpUMa | 36 | 46447 |
| 17-JAN-2011 23:28:58 | GamLup | 131 | 46452 |

2.4 Summary of processed GOM_TRA_1P products

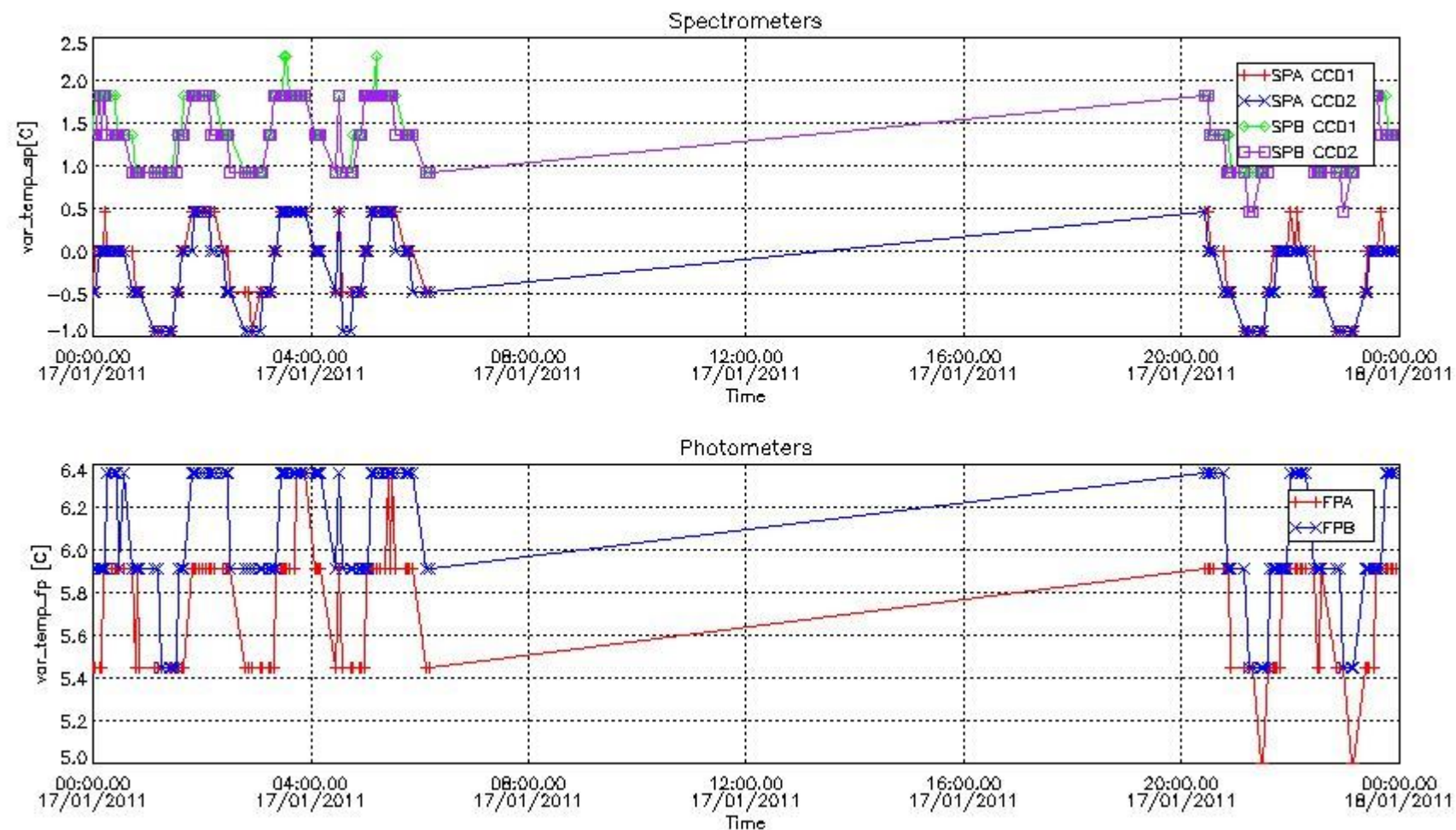
| Nr | Filename | UTC Start time | Limb | Duration | Star Id | Star Name | Star Mag | Star Temp | Nb Meas | Orbit | Prod. error |
|----|--|----------------------|----------------|----------|---------|-----------|----------|-----------|---------|-------|-------------|
| 1 | GOM_TRA_1PNPDE20110117_000010_000000463098_00303_46438_4539.N1 | 17-JAN-2011 00:00:10 | Twilight_stray | 46.000 | 80 | 7Del Sco | 2.3160 | 30000. | 92 | 46438 | No |
| 2 | GOM_TRA_1PNPDE20110117_000142_000000523098_00303_46438_4540.N1 | 17-JAN-2011 00:01:42 | Dark | 51.500 | 122 | 9Alp2Lib | 2.7470 | 9700.0 | 103 | 46438 | No |
| 3 | GOM_TRA_1PNPDE20110117_000725_000000453098_00303_46438_4541.N1 | 17-JAN-2011 00:07:25 | Dark | 44.500 | 109 | Bet Lup | 2.6770 | 26000. | 89 | 46438 | No |
| 4 | GOM_TRA_1PNPDE20110117_000852_000000503098_00303_46438_4542.N1 | 17-JAN-2011 00:08:52 | Dark | 50.000 | 54 | 5The Cen | 2.0550 | 4500.0 | 100 | 46438 | No |

| | | | | | | | | | | | |
|----|--|----------------------|----------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 5 | GOM_TRA_1PNPDE20110117_001101_000000433098_00304_46439_4543.N1 | 17-JAN-2011 00:11:01 | Dark | 42.500 | 95 | Zet Cen | 2.5450 | 26000. | 85 | 46439 | No |
| 6 | GOM_TRA_1PNPDE20110117_001227_000000433098_00304_46439_4544.N1 | 17-JAN-2011 00:12:27 | Dark | 42.500 | 77 | Eps Cen | 2.3030 | 28000. | 85 | 46439 | No |
| 7 | GOM_TRA_1PNPDE20110117_001549_000000413098_00304_46439_4545.N1 | 17-JAN-2011 00:15:49 | Dark | 41.000 | 12 | Alp1Cru | 0.77500 | 30000. | 82 | 46439 | No |
| 8 | GOM_TRA_1PNPDE20110117_002104_000000473098_00304_46439_4546.N1 | 17-JAN-2011 00:21:04 | Dark | 46.500 | 113 | Mu Vel | 2.6920 | 5000.0 | 93 | 46439 | No |
| 9 | GOM_TRA_1PNPDE20110117_002408_000000443098_00304_46439_4547.N1 | 17-JAN-2011 00:24:08 | Dark | 44.000 | 46 | Del Vel | 1.9540 | 10600. | 88 | 46439 | No |
| 10 | GOM_TRA_1PNPDE20110117_002650_000000443098_00304_46439_4548.N1 | 17-JAN-2011 00:26:50 | Dark | 44.000 | 34 | Gam2Vel | 1.7930 | 23000. | 88 | 46439 | No |
| 11 | GOM_TRA_1PNPDE20110117_002857_000000443098_00304_46439_4549.N1 | 17-JAN-2011 00:28:57 | Dark | 43.500 | 70 | Zet Pup | 2.2460 | 39000. | 87 | 46439 | No |
| 12 | GOM_TRA_1PNPDE20110117_003343_000000463098_00304_46439_4550.N1 | 17-JAN-2011 00:33:43 | Straylight | 46.000 | 37 | 25Del CMa | 1.8300 | 5900.0 | 92 | 46439 | No |
| 13 | GOM_TRA_1PNPDE20110117_004318_000000593098_00304_46439_4551.N1 | 17-JAN-2011 00:43:18 | Tw_i_and_stray | 59.000 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 118 | 46439 | No |
| 14 | GOM_TRA_1PNPDE20110117_004617_000000483098_00304_46439_4552.N1 | 17-JAN-2011 00:46:17 | Bright | 47.500 | 44 | 24Gam Gem | 1.9280 | 11000. | 95 | 46439 | No |
| 15 | GOM_TRA_1PNPDE20110117_004800_000000423098_00304_46439_4553.N1 | 17-JAN-2011 00:48:00 | Bright | 41.500 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 83 | 46439 | No |
| 16 | GOM_TRA_1PNPDE20110117_005043_000000483098_00304_46439_4554.N1 | 17-JAN-2011 00:50:43 | Bright | 47.500 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 95 | 46439 | No |
| 17 | GOM_TRA_1PNPDE20110117_010658_000000293098_00304_46439_4555.N1 | 17-JAN-2011 01:06:58 | Tw_i_and_stray | 29.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 58 | 46439 | No |
| 18 | GOM_TRA_1PNPDE20110117_011042_000000363098_00304_46439_4556.N1 | 17-JAN-2011 01:10:42 | Bright | 36.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 72 | 46439 | No |
| 19 | GOM_TRA_1PNPDE20110117_011503_000000373098_00304_46439_4557.N1 | 17-JAN-2011 01:15:03 | Bright | 37.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 74 | 46439 | No |
| 20 | GOM_TRA_1PNPDE20110117_012358_000000553098_00304_46439_4558.N1 | 17-JAN-2011 01:23:58 | Bright | 55.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 110 | 46439 | No |
| 21 | GOM_TRA_1PNPDE20110117_012612_000000653098_00304_46439_4559.N1 | 17-JAN-2011 01:26:12 | Bright | 65.000 | 67 | 5Alp CrB | 2.2210 | 11000. | 130 | 46439 | No |
| 22 | GOM_TRA_1PNPDE20110117_013242_000000603098_00304_46439_4560.N1 | 17-JAN-2011 01:32:42 | Bright | 59.500 | 102 | 24Alp Ser | 2.6000 | 4250.0 | 119 | 46439 | No |
| 23 | GOM_TRA_1PNPDE20110117_013448_000000573098_00304_46439_4561.N1 | 17-JAN-2011 01:34:48 | Bright | 57.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 114 | 46439 | No |
| 24 | GOM_TRA_1PNPDE20110117_013837_000000503098_00304_46439_4559.N1 | 17-JAN-2011 01:38:37 | Tw_i_and_stray | 50.000 | 104 | 27Bet Lib | 2.6140 | 13100. | 100 | 46439 | No |
| 25 | GOM_TRA_1PNPDE20110117_014025_000000443098_00304_46439_4560.N1 | 17-JAN-2011 01:40:25 | Tw_i_and_stray | 44.000 | 80 | 7Del Sco | 2.3160 | 30000. | 88 | 46439 | No |
| 26 | GOM_TRA_1PNPDE20110117_014907_000000523098_00304_46439_4561.N1 | 17-JAN-2011 01:49:07 | Dark | 51.500 | 54 | 5The Cen | 2.0550 | 4500.0 | 103 | 46439 | No |
| 27 | GOM_TRA_1PNPDE20110117_015115_000000423098_00305_46440_4562.N1 | 17-JAN-2011 01:51:15 | Dark | 42.000 | 95 | Zet Cen | 2.5450 | 26000. | 84 | 46440 | No |
| 28 | GOM_TRA_1PNPDE20110117_015241_000000413098_00305_46440_4563.N1 | 17-JAN-2011 01:52:41 | Dark | 41.000 | 77 | Eps Cen | 2.3030 | 28000. | 82 | 46440 | No |
| 29 | GOM_TRA_1PNPDE20110117_015604_000000423098_00305_46440_4564.N1 | 17-JAN-2011 01:56:04 | Dark | 41.500 | 12 | Alp1Cru | 0.77500 | 30000. | 83 | 46440 | No |
| 30 | GOM_TRA_1PNPDE20110117_020119_000000513098_00305_46440_4565.N1 | 17-JAN-2011 02:01:19 | Dark | 51.000 | 113 | Mu Vel | 2.6920 | 5000.0 | 102 | 46440 | No |
| 31 | GOM_TRA_1PNPDE20110117_020423_000000453098_00305_46440_4566.N1 | 17-JAN-2011 02:04:23 | Dark | 44.500 | 46 | Del Vel | 1.9540 | 10600. | 89 | 46440 | No |
| 32 | GOM_TRA_1PNPDE20110117_020704_000000403098_00305_46440_4567.N1 | 17-JAN-2011 02:07:04 | Dark | 39.500 | 34 | Gam2Vel | 1.7930 | 23000. | 79 | 46440 | No |
| 33 | GOM_TRA_1PNPDE20110117_020912_000000403098_00305_46440_4568.N1 | 17-JAN-2011 02:09:12 | Dark | 39.500 | 70 | Zet Pup | 2.2460 | 39000. | 79 | 46440 | No |
| 34 | GOM_TRA_1PNPDE20110117_021256_000000433098_00305_46440_4569.N1 | 17-JAN-2011 02:12:56 | Straylight | 42.500 | 88 | 31Eta CMa | 2.4480 | 20000. | 85 | 46440 | No |
| 35 | GOM_TRA_1PNPDE20110117_022332_000000603098_00305_46440_4570.N1 | 17-JAN-2011 02:23:32 | Tw_i_and_stray | 60.000 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 120 | 46440 | No |
| 36 | GOM_TRA_1PNPDE20110117_022630_000000483098_00305_46440_4571.N1 | 17-JAN-2011 02:26:30 | Bright | 48.000 | 44 | 24Gam Gem | 1.9280 | 11000. | 96 | 46440 | No |
| 37 | GOM_TRA_1PNPDE20110117_022814_000000403098_00305_46440_4572.N1 | 17-JAN-2011 02:28:14 | Bright | 40.000 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 80 | 46440 | No |
| 38 | GOM_TRA_1PNPDE20110117_023056_000000483098_00305_46440_4573.N1 | 17-JAN-2011 02:30:56 | Bright | 47.500 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 95 | 46440 | No |
| 39 | GOM_TRA_1PNPDE20110117_024711_000000303098_00305_46440_4574.N1 | 17-JAN-2011 02:47:11 | Tw_i_and_stray | 29.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 59 | 46440 | No |
| 40 | GOM_TRA_1PNPDE20110117_025056_000000413098_00305_46440_4589.N1 | 17-JAN-2011 02:50:56 | Bright | 40.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 81 | 46440 | No |
| 41 | GOM_TRA_1PNPDE20110117_025517_000000383098_00305_46440_4590.N1 | 17-JAN-2011 02:55:17 | Bright | 37.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 75 | 46440 | No |
| 42 | GOM_TRA_1PNPDE20110117_030412_000000553098_00305_46440_4591.N1 | 17-JAN-2011 03:04:12 | Bright | 55.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 110 | 46440 | No |
| 43 | GOM_TRA_1PNPDE20110117_030627_000000653098_00305_46440_4592.N1 | 17-JAN-2011 03:06:27 | Bright | 65.000 | 67 | 5Alp CrB | 2.2210 | 11000. | 130 | 46440 | No |
| 44 | GOM_TRA_1PNPDE20110117_031256_000000643098_00305_46440_4593.N1 | 17-JAN-2011 03:12:56 | Bright | 64.000 | 102 | 24Alp Ser | 2.6000 | 4250.0 | 128 | 46440 | No |
| 45 | GOM_TRA_1PNPDE20110117_031502_000000423098_00305_46440_4594.N1 | 17-JAN-2011 03:15:02 | Bright | 42.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 84 | 46440 | No |
| 46 | GOM_TRA_1PNPDE20110117_031852_000000483098_00305_46440_4595.N1 | 17-JAN-2011 03:18:52 | Tw_i_and_stray | 47.500 | 104 | 27Bet Lib | 2.6140 | 13100. | 95 | 46440 | No |
| 47 | GOM_TRA_1PNPDE20110117_032039_000000453098_00305_46440_4596.N1 | 17-JAN-2011 03:20:39 | Tw_i_and_stray | 44.500 | 80 | 7Del Sco | 2.3160 | 30000. | 89 | 46440 | No |
| 48 | GOM_TRA_1PNPDE20110117_032607_000000403098_00305_46440_4597.N1 | 17-JAN-2011 03:26:07 | Dark | 39.500 | 131 | Gam Lup | 2.8000 | 26000. | 79 | 46440 | No |
| 49 | GOM_TRA_1PNPDE20110117_032755_000000413098_00305_46440_4598.N1 | 17-JAN-2011 03:27:55 | Dark | 41.000 | 109 | Bet Lup | 2.6770 | 26000. | 82 | 46440 | No |
| 50 | GOM_TRA_1PNPDE20110117_032922_000000513098_00305_46440_4599.N1 | 17-JAN-2011 03:29:22 | Dark | 51.000 | 54 | 5The Cen | 2.0550 | 4500.0 | 102 | 46440 | No |
| 51 | GOM_TRA_1PNPDE20110117_033130_000000433098_00306_46441_4600.N1 | 17-JAN-2011 03:31:30 | Dark | 42.500 | 95 | Zet Cen | 2.5450 | 26000. | 85 | 46441 | No |
| 52 | GOM_TRA_1PNPDE20110117_033256_000000413098_00306_46441_4601.N1 | 17-JAN-2011 03:32:56 | Dark | 41.000 | 77 | Eps Cen | 2.3030 | 28000. | 82 | 46441 | No |
| 53 | GOM_TRA_1PNPDE20110117_033619_000000423098_00306_46441_4602.N1 | 17-JAN-2011 03:36:19 | Dark | 41.500 | 12 | Alp1Cru | 0.77500 | 30000. | 83 | 46441 | No |
| 54 | GOM_TRA_1PNPDE20110117_034133_000000483098_00306_46441_4603.N1 | 17-JAN-2011 03:41:33 | Dark | 48.000 | 113 | Mu Vel | 2.6920 | 5000.0 | 96 | 46441 | No |
| 55 | GOM_TRA_1PNPDE20110117_034438_000000443098_00306_46441_4604.N1 | 17-JAN-2011 03:44:38 | Dark | 44.000 | 46 | Del Vel | 1.9540 | 10600. | 88 | 46441 | No |
| 56 | GOM_TRA_1PNPDE20110117_034718_000000433098_00306_46441_4605.N1 | 17-JAN-2011 03:47:18 | Dark | 42.500 | 34 | Gam2Vel | 1.7930 | 23000. | 85 | 46441 | No |
| 57 | GOM_TRA_1PNPDE20110117_034926_000000443098_00306_46441_4606.N1 | 17-JAN-2011 03:49:26 | Dark | 44.000 | 70 | Zet Pup | 2.2460 | 39000. | 88 | 46441 | No |
| 58 | GOM_TRA_1PNPDE20110117_035310_000000443098_00306_46441_4607.N1 | 17-JAN-2011 03:53:10 | Straylight | 44.000 | 88 | 31Eta CMa | 2.4480 | 20000. | 88 | 46441 | No |
| 59 | GOM_TRA_1PNPDE20110117_040346_000000603098_00306_46441_4608.N1 | 17-JAN-2011 04:03:46 | Tw_i_and_stray | 60.000 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 120 | 46441 | No |
| 60 | GOM_TRA_1PNPDE20110117_040645_000000543098_00306_46441_4609.N1 | 17-JAN-2011 04:06:45 | Bright | 53.500 | 44 | 24Gam Gem | 1.9280 | 11000. | 107 | 46441 | No |
| 61 | GOM_TRA_1PNPDE20110117_040828_000000403098_00306_46441_4610.N1 | 17-JAN-2011 04:08:28 | Bright | 39.500 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 79 | 46441 | No |
| 62 | GOM_TRA_1PNPDE20110117_041110_000000483098_00306_46441_4611.N1 | 17-JAN-2011 04:11:10 | Bright | 47.500 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 95 | 46441 | No |
| 63 | GOM_TRA_1PNPDE20110117_042725_000000303098_00306_46441_4612.N1 | 17-JAN-2011 04:27:25 | Tw_i_and_stray | 30.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 60 | 46441 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|---------------|--------|-----|-----------|---------|--------|-----|-------|-----|
| 64 | GOM_TRA_1PNPDE20110117_043110_000000383098_00306_46441_4610.N1 | 17-JAN-2011 04:31:10 | Bright | 37.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 75 | 46441 | Yes |
| 65 | GOM_TRA_1PNPDE20110117_043531_000000383098_00306_46441_4611.N1 | 17-JAN-2011 04:35:31 | Bright | 38.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 76 | 46441 | No |
| 66 | GOM_TRA_1PNPDE20110117_044426_000000553098_00306_46441_4612.N1 | 17-JAN-2011 04:44:26 | Bright | 55.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 110 | 46441 | No |
| 67 | GOM_TRA_1PNPDE20110117_044641_000000653098_00306_46441_4613.N1 | 17-JAN-2011 04:46:41 | Bright | 65.000 | 67 | 5Alp CrB | 2.2210 | 11000. | 130 | 46441 | No |
| 68 | GOM_TRA_1PNPDE20110117_045311_000000643098_00306_46441_4614.N1 | 17-JAN-2011 04:53:11 | Bright | 64.000 | 102 | 24Alp Ser | 2.6000 | 4250.0 | 128 | 46441 | No |
| 69 | GOM_TRA_1PNPDE20110117_045517_000000573098_00306_46441_4615.N1 | 17-JAN-2011 04:55:17 | Bright | 57.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 114 | 46441 | No |
| 70 | GOM_TRA_1PNPDE20110117_045907_000000503098_00306_46441_4616.N1 | 17-JAN-2011 04:59:07 | Twi_and_stray | 49.500 | 104 | 27Bet Lib | 2.6140 | 13100. | 99 | 46441 | No |
| 71 | GOM_TRA_1PNPDE20110117_050054_000000463098_00306_46441_4617.N1 | 17-JAN-2011 05:00:54 | Twi_and_stray | 45.500 | 80 | 7Del Sco | 2.3160 | 30000. | 91 | 46441 | No |
| 72 | GOM_TRA_1PNPDE20110117_050228_000000543098_00306_46441_4618.N1 | 17-JAN-2011 05:02:28 | Dark | 53.500 | 122 | 9Alp2Lib | 2.7470 | 9700.0 | 107 | 46441 | No |
| 73 | GOM_TRA_1PNPDE20110117_050622_000000393098_00306_46441_4619.N1 | 17-JAN-2011 05:06:22 | Dark | 39.000 | 131 | Gam Lup | 2.8000 | 26000. | 78 | 46441 | No |
| 74 | GOM_TRA_1PNPDE20110117_050809_000000423098_00306_46441_4620.N1 | 17-JAN-2011 05:08:09 | Dark | 41.500 | 109 | Bet Lup | 2.6770 | 26000. | 83 | 46441 | No |
| 75 | GOM_TRA_1PNPDE20110117_050938_000000553098_00306_46441_4621.N1 | 17-JAN-2011 05:09:38 | Dark | 55.000 | 54 | 5The Cen | 2.0550 | 4500.0 | 110 | 46441 | No |
| 76 | GOM_TRA_1PNPDE20110117_051145_000000453098_00307_46442_4622.N1 | 17-JAN-2011 05:11:45 | Dark | 44.500 | 95 | Zet Cen | 2.5450 | 26000. | 89 | 46442 | No |
| 77 | GOM_TRA_1PNPDE20110117_051311_000000413098_00307_46442_4623.N1 | 17-JAN-2011 05:13:11 | Dark | 40.500 | 77 | Eps Cen | 2.3030 | 28000. | 81 | 46442 | No |
| 78 | GOM_TRA_1PNPDE20110117_051633_000000423098_00307_46442_4624.N1 | 17-JAN-2011 05:16:33 | Dark | 42.000 | 12 | Alp1Cru | 0.77500 | 30000. | 84 | 46442 | No |
| 79 | GOM_TRA_1PNPDE20110117_052148_000000523098_00307_46442_4625.N1 | 17-JAN-2011 05:21:48 | Dark | 52.000 | 113 | Mu Vel | 2.6920 | 5000.0 | 104 | 46442 | No |
| 80 | GOM_TRA_1PNPDE20110117_052452_000000413098_00307_46442_4626.N1 | 17-JAN-2011 05:24:52 | Dark | 41.000 | 46 | Del Vel | 1.9540 | 10600. | 82 | 46442 | No |
| 81 | GOM_TRA_1PNPDE20110117_052733_000000443098_00307_46442_4627.N1 | 17-JAN-2011 05:27:33 | Dark | 44.000 | 34 | Gam2Vel | 1.7930 | 23000. | 88 | 46442 | No |
| 82 | GOM_TRA_1PNPDE20110117_052941_000000423098_00307_46442_4628.N1 | 17-JAN-2011 05:29:41 | Dark | 41.500 | 70 | Zet Pup | 2.2460 | 39000. | 83 | 46442 | No |
| 83 | GOM_TRA_1PNPDE20110117_053324_000000413098_00307_46442_4629.N1 | 17-JAN-2011 05:33:24 | Straylight | 41.000 | 88 | 31Eta CMa | 2.4480 | 20000. | 82 | 46442 | No |
| 84 | GOM_TRA_1PNPDE20110117_054400_000000573098_00307_46442_4630.N1 | 17-JAN-2011 05:44:00 | Twi_and_stray | 57.000 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 114 | 46442 | No |
| 85 | GOM_TRA_1PNPDE20110117_054659_000000493098_00307_46442_4631.N1 | 17-JAN-2011 05:46:59 | Bright | 49.000 | 44 | 24Gam Gem | 1.9280 | 11000. | 98 | 46442 | No |
| 86 | GOM_TRA_1PNPDE20110117_054842_000000423098_00307_46442_4632.N1 | 17-JAN-2011 05:48:42 | Bright | 42.000 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 84 | 46442 | No |
| 87 | GOM_TRA_1PNPDE20110117_055124_000000473098_00307_46442_4633.N1 | 17-JAN-2011 05:51:24 | Bright | 46.500 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 93 | 46442 | No |
| 88 | GOM_TRA_1PNPDE20110117_060738_000000303098_00307_46442_4634.N1 | 17-JAN-2011 06:07:38 | Twi_and_stray | 30.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 60 | 46442 | No |
| 89 | GOM_TRA_1PNPDE20110117_061124_000000413098_00307_46442_4635.N1 | 17-JAN-2011 06:11:24 | Bright | 40.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 81 | 46442 | No |
| 90 | GOM_TRA_1PNPDE20110117_202558_000000463098_00316_46451_4710.N1 | 17-JAN-2011 20:25:58 | Dark | 45.500 | 91 | Kap Vel | 2.4900 | 26000. | 91 | 46451 | Yes |
| 91 | GOM_TRA_1PNPDE20110117_202942_000000453098_00316_46451_4711.N1 | 17-JAN-2011 20:29:42 | Dark | 44.500 | 34 | Gam2Vel | 1.7930 | 23000. | 89 | 46451 | No |
| 92 | GOM_TRA_1PNPDE20110117_203150_000000433098_00316_46451_4712.N1 | 17-JAN-2011 20:31:50 | Dark | 43.000 | 70 | Zet Pup | 2.2460 | 39000. | 86 | 46451 | No |
| 93 | GOM_TRA_1PNPDE20110117_203533_000000413098_00316_46451_4713.N1 | 17-JAN-2011 20:35:33 | Straylight | 40.500 | 88 | 31Eta CMa | 2.4480 | 20000. | 81 | 46451 | No |
| 94 | GOM_TRA_1PNPDE20110117_204604_000000583098_00316_46451_4714.N1 | 17-JAN-2011 20:46:04 | Twi_and_stray | 57.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 115 | 46451 | No |
| 95 | GOM_TRA_1PNPDE20110117_204904_000000543098_00316_46451_4715.N1 | 17-JAN-2011 20:49:04 | Bright | 54.000 | 44 | 24Gam Gem | 1.9280 | 11000. | 108 | 46451 | No |
| 96 | GOM_TRA_1PNPDE20110117_205137_000000393098_00316_46451_4716.N1 | 17-JAN-2011 20:51:37 | Bright | 38.500 | 170 | 27Eps Gem | 3.0000 | 9700.0 | 77 | 46451 | No |
| 97 | GOM_TRA_1PNPDE20110117_205326_000000473098_00316_46451_4717.N1 | 17-JAN-2011 20:53:26 | Bright | 46.500 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 93 | 46451 | No |
| 98 | GOM_TRA_1PNPDE20110117_210938_000000343098_00316_46451_4718.N1 | 17-JAN-2011 21:09:38 | Twi_and_stray | 34.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 68 | 46451 | No |
| 99 | GOM_TRA_1PNPDE20110117_211328_000000383098_00316_46451_4719.N1 | 17-JAN-2011 21:13:28 | Bright | 37.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 75 | 46451 | No |
| 100 | GOM_TRA_1PNPDE20110117_211751_000000363098_00316_46451_4720.N1 | 17-JAN-2011 21:17:51 | Bright | 36.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 72 | 46451 | No |
| 101 | GOM_TRA_1PNPDE20110117_212648_000000383098_00316_46451_4721.N1 | 17-JAN-2011 21:26:48 | Bright | 37.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 75 | 46451 | No |
| 102 | GOM_TRA_1PNPDE20110117_212904_000000453098_00316_46451_4722.N1 | 17-JAN-2011 21:29:04 | Bright | 44.500 | 67 | 5Alp CrB | 2.2210 | 11000. | 89 | 46451 | No |
| 103 | GOM_TRA_1PNPDE20110117_213536_000000643098_00316_46451_4723.N1 | 17-JAN-2011 21:35:36 | Bright | 64.000 | 102 | 24Alp Ser | 2.6000 | 4250.0 | 128 | 46451 | No |
| 104 | GOM_TRA_1PNPDE20110117_213742_000000583098_00316_46451_4724.N1 | 17-JAN-2011 21:37:42 | Bright | 58.000 | 120 | 1Del Oph | 2.7340 | 3200.0 | 116 | 46451 | No |
| 105 | GOM_TRA_1PNPDE20110117_214135_000000513098_00316_46451_4729.N1 | 17-JAN-2011 21:41:35 | Twi_and_stray | 50.500 | 104 | 27Bet Lib | 2.6140 | 13100. | 101 | 46451 | No |
| 106 | GOM_TRA_1PNPDE20110117_214320_000000483098_00316_46451_4730.N1 | 17-JAN-2011 21:43:20 | Twi_and_stray | 48.000 | 80 | 7Del Sco | 2.3160 | 30000. | 96 | 46451 | No |
| 107 | GOM_TRA_1PNPDE20110117_214458_000000523098_00316_46451_4731.N1 | 17-JAN-2011 21:44:58 | Dark | 51.500 | 122 | 9Alp2Lib | 2.7470 | 9700.0 | 103 | 46451 | No |
| 108 | GOM_TRA_1PNPDE20110117_214847_000000393098_00316_46451_4732.N1 | 17-JAN-2011 21:48:47 | Dark | 38.500 | 131 | Gam Lup | 2.8000 | 26000. | 77 | 46451 | No |
| 109 | GOM_TRA_1PNPDE20110117_215037_000000423098_00316_46451_4733.N1 | 17-JAN-2011 21:50:37 | Dark | 41.500 | 109 | Bet Lup | 2.6770 | 26000. | 83 | 46451 | No |
| 110 | GOM_TRA_1PNPDE20110117_215208_000000523098_00316_46451_4734.N1 | 17-JAN-2011 21:52:08 | Dark | 51.500 | 54 | 5The Cen | 2.0550 | 4500.0 | 103 | 46451 | No |
| 111 | GOM_TRA_1PNPDE20110117_215414_000000433098_00317_46452_4735.N1 | 17-JAN-2011 21:54:14 | Dark | 42.500 | 95 | Zet Cen | 2.5450 | 26000. | 85 | 46452 | No |
| 112 | GOM_TRA_1PNPDE20110117_215539_000000423098_00317_46452_4736.N1 | 17-JAN-2011 21:55:39 | Dark | 41.500 | 77 | Eps Cen | 2.3030 | 28000. | 83 | 46452 | No |
| 113 | GOM_TRA_1PNPDE20110117_215859_000000443098_00317_46452_4737.N1 | 17-JAN-2011 21:58:59 | Dark | 43.500 | 12 | Alp1Cru | 0.77500 | 30000. | 87 | 46452 | No |
| 114 | GOM_TRA_1PNPDE20110117_220416_000000463098_00317_46452_4738.N1 | 17-JAN-2011 22:04:16 | Dark | 46.000 | 113 | Mu Vel | 2.6920 | 5000.0 | 92 | 46452 | No |
| 115 | GOM_TRA_1PNPDE20110117_220613_000000443098_00317_46452_4739.N1 | 17-JAN-2011 22:06:13 | Dark | 44.000 | 91 | Kap Vel | 2.4900 | 26000. | 88 | 46452 | No |
| 116 | GOM_TRA_1PNPDE20110117_220957_000000443098_00317_46452_4740.N1 | 17-JAN-2011 22:09:57 | Dark | 43.500 | 34 | Gam2Vel | 1.7930 | 23000. | 87 | 46452 | No |
| 117 | GOM_TRA_1PNPDE20110117_221204_000000443098_00317_46452_4741.N1 | 17-JAN-2011 22:12:04 | Dark | 44.000 | 70 | Zet Pup | 2.2460 | 39000. | 88 | 46452 | No |
| 118 | GOM_TRA_1PNPDE20110117_221547_000000413098_00317_46452_4742.N1 | 17-JAN-2011 22:15:47 | Straylight | 40.500 | 88 | 31Eta CMa | 2.4480 | 20000. | 81 | 46452 | No |
| 119 | GOM_TRA_1PNPDE20110117_222618_000000563098_00317_46452_4743.N1 | 17-JAN-2011 22:26:18 | Twi_and_stray | 55.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 111 | 46452 | No |
| 120 | GOM_TRA_1PNPDE20110117_222918_000000493098_00317_46452_4744.N1 | 17-JAN-2011 22:29:18 | Bright | 49.000 | 44 | 24Gam Gem | 1.9280 | 11000. | 98 | 46452 | No |
| 121 | GOM_TRA_1PNPDE20110117_223151_000000403098_00317_46452_4745.N1 | 17-JAN-2011 22:31:51 | Bright | 39.500 | 170 | 27Eps Gem | 3.0000 | 9700.0 | 79 | 46452 | No |
| 122 | GOM_TRA_1PNPDE20110117_223339_000000473098_00317_46452_4746.N1 | 17-JAN-2011 22:33:39 | Bright | 47.000 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 94 | 46452 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 123 | GOM_TRA_1PNPDE20110117_224951_000000353098_00317_46452_4747.N1 | 17-JAN-2011 22:49:51 | Bright | 35.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 70 | 46452 | No |
| 124 | GOM_TRA_1PNPDE20110117_225342_000000393098_00317_46452_4748.N1 | 17-JAN-2011 22:53:42 | Bright | 39.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 78 | 46452 | No |
| 125 | GOM_TRA_1PNPDE20110117_225805_000000383098_00317_46452_4749.N1 | 17-JAN-2011 22:58:05 | Bright | 38.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 76 | 46452 | No |
| 126 | GOM_TRA_1PNPDE20110117_230702_000000383098_00317_46452_4750.N1 | 17-JAN-2011 23:07:02 | Bright | 37.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 75 | 46452 | No |
| 127 | GOM_TRA_1PNPDE20110117_230918_000000453098_00317_46452_4751.N1 | 17-JAN-2011 23:09:18 | Bright | 45.000 | 67 | 5Alp CrB | 2.2210 | 11000. | 90 | 46452 | No |
| 128 | GOM_TRA_1PNPDE20110117_232150_000000513098_00317_46452_4752.N1 | 17-JAN-2011 23:21:50 | Twilight | 50.500 | 104 | 27Bet Lib | 2.6140 | 13100. | 101 | 46452 | No |
| 129 | GOM_TRA_1PNPDE20110117_232334_000000483098_00317_46452_4755.N1 | 17-JAN-2011 23:23:34 | Twilight | 48.000 | 80 | 7Del Sco | 2.3160 | 30000. | 96 | 46452 | No |
| 130 | GOM_TRA_1PNPDE20110117_232513_000000533098_00317_46452_4756.N1 | 17-JAN-2011 23:25:13 | Dark | 53.000 | 122 | 9Alp2Lib | 2.7470 | 9700.0 | 106 | 46452 | No |
| 131 | GOM_TRA_1PNPDE20110117_233051_000000423098_00317_46452_4757.N1 | 17-JAN-2011 23:30:51 | Dark | 41.500 | 109 | Bet Lup | 2.6770 | 26000. | 83 | 46452 | No |
| 132 | GOM_TRA_1PNPDE20110117_233223_000000633098_00317_46452_4758.N1 | 17-JAN-2011 23:32:23 | Dark | 62.500 | 54 | 5The Cen | 2.0550 | 4500.0 | 125 | 46452 | No |
| 133 | GOM_TRA_1PNPDE20110117_233429_000000423098_00318_46453_4759.N1 | 17-JAN-2011 23:34:29 | Dark | 42.000 | 95 | Zet Cen | 2.5450 | 26000. | 84 | 46453 | No |
| 134 | GOM_TRA_1PNPDE20110117_233553_000000423098_00318_46453_4760.N1 | 17-JAN-2011 23:35:53 | Dark | 42.000 | 77 | Eps Cen | 2.3030 | 28000. | 84 | 46453 | No |
| 135 | GOM_TRA_1PNPDE20110117_233914_000000403098_00318_46453_4761.N1 | 17-JAN-2011 23:39:14 | Dark | 40.000 | 12 | Alp1Cru | 0.77500 | 30000. | 80 | 46453 | No |
| 136 | GOM_TRA_1PNPDE20110117_234431_000000463098_00318_46453_4762.N1 | 17-JAN-2011 23:44:31 | Dark | 45.500 | 113 | Mu Vel | 2.6920 | 5000.0 | 91 | 46453 | No |
| 137 | GOM_TRA_1PNPDE20110117_234627_000000413098_00318_46453_4763.N1 | 17-JAN-2011 23:46:27 | Dark | 41.000 | 91 | Kap Vel | 2.4900 | 26000. | 82 | 46453 | No |
| 138 | GOM_TRA_1PNPDE20110117_235011_000000433098_00318_46453_4764.N1 | 17-JAN-2011 23:50:11 | Dark | 43.000 | 34 | Gam2Vel | 1.7930 | 23000. | 86 | 46453 | No |
| 139 | GOM_TRA_1PNPDE20110117_235218_000000453098_00318_46453_4765.N1 | 17-JAN-2011 23:52:18 | Dark | 45.000 | 70 | Zet Pup | 2.2460 | 39000. | 90 | 46453 | No |
| 140 | GOM_TRA_1PNPDE20110117_235601_000000443098_00318_46453_4766.N1 | 17-JAN-2011 23:56:01 | Straylight | 44.000 | 88 | 31Eta CMa | 2.4480 | 20000. | 88 | 46453 | No |

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



4. Overview of dark signal processing per product

The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels"

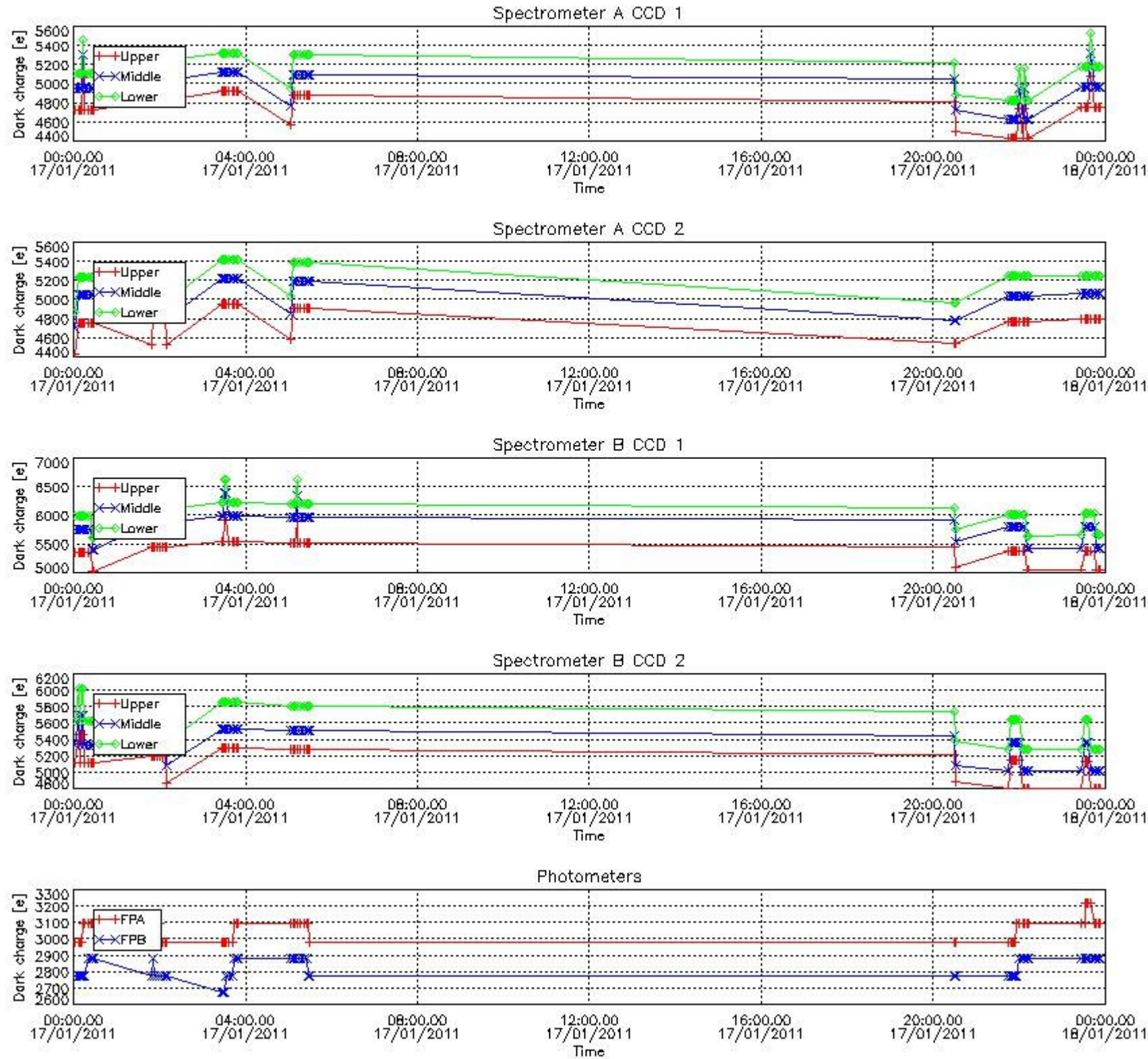
(a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

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

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

| Product name | DC information |
|--|-----------------------|
| GOM_TRA_1PNPDE20110117_202558_000000463098_00316_46451_4710.N1 | DC map with no T dep. |
| GOM_TRA_1PNPDE20110117_202942_000000453098_00316_46451_4711.N1 | DC map used |
| GOM_TRA_1PNPDE20110117_203150_000000433098_00316_46451_4712.N1 | DC map used |
| GOM_TRA_1PNPDE20110117_203533_000000413098_00316_46451_4713.N1 | DC map used |
| GOM_TRA_1PNPDE20110117_204604_000000583098_00316_46451_4714.N1 | DC map used |
| GOM_TRA_1PNPDE20110117_204904_000000543098_00316_46451_4715.N1 | DC map used |
| GOM_TRA_1PNPDE20110117_205137_000000393098_00316_46451_4716.N1 | DC map used |
| GOM_TRA_1PNPDE20110117_205326_000000473098_00316_46451_4717.N1 | DC map used |
| GOM_TRA_1PNPDE20110117_210938_000000343098_00316_46451_4718.N1 | DC map used |
| GOM_TRA_1PNPDE20110117_211328_000000383098_00316_46451_4719.N1 | DC map used |
| GOM_TRA_1PNPDE20110117_211751_000000363098_00316_46451_4720.N1 | DC map used |
| GOM_TRA_1PNPDE20110117_212648_000000383098_00316_46451_4721.N1 | DC map used |
| GOM_TRA_1PNPDE20110117_212904_000000453098_00316_46451_4722.N1 | DC map used |
| GOM_TRA_1PNPDE20110117_213536_000000643098_00316_46451_4723.N1 | DC map used |
| GOM_TRA_1PNPDE20110117_213742_000000583098_00316_46451_4724.N1 | DC map used |

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



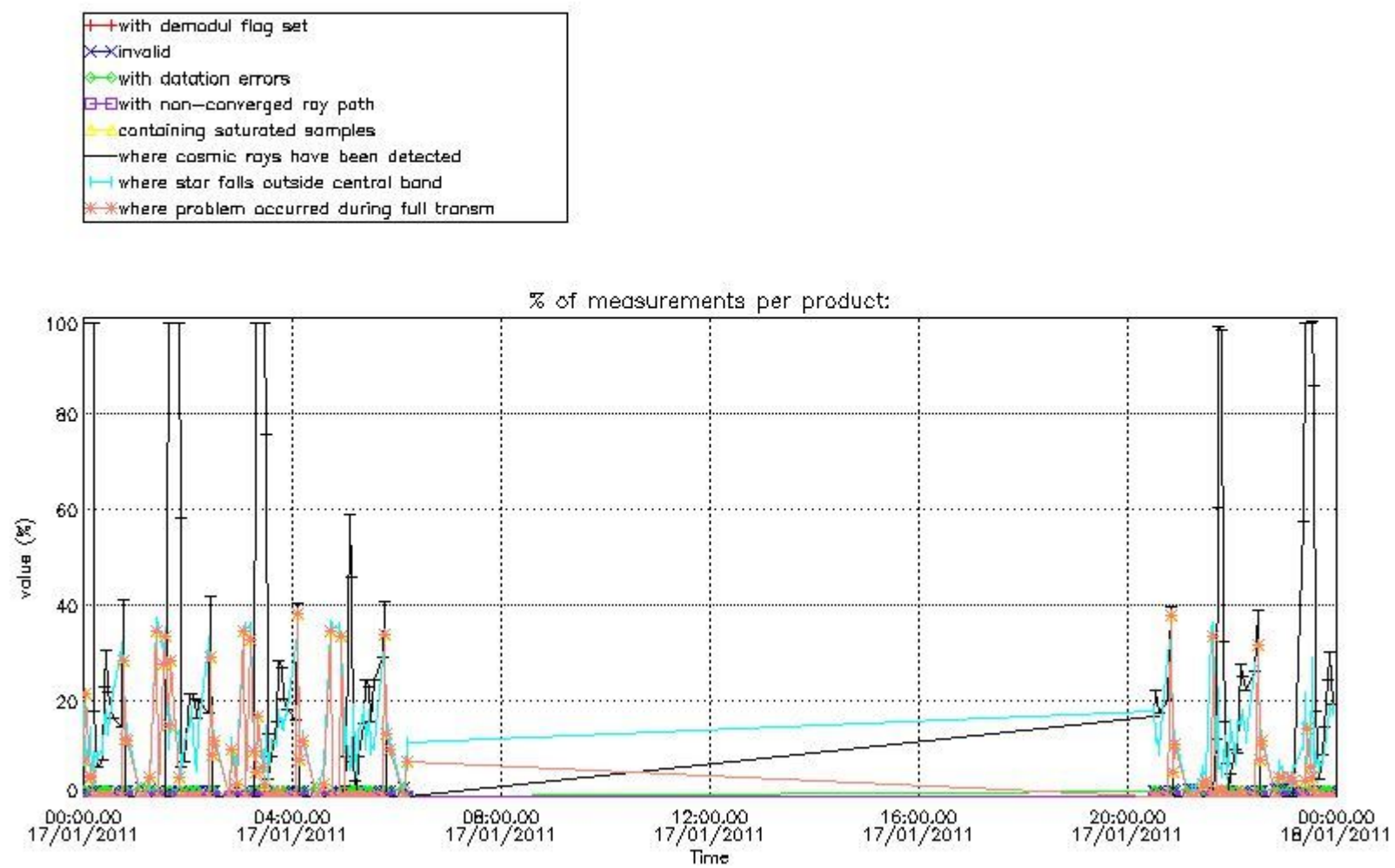
5. Demodulation flag and quality information monitoring

In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

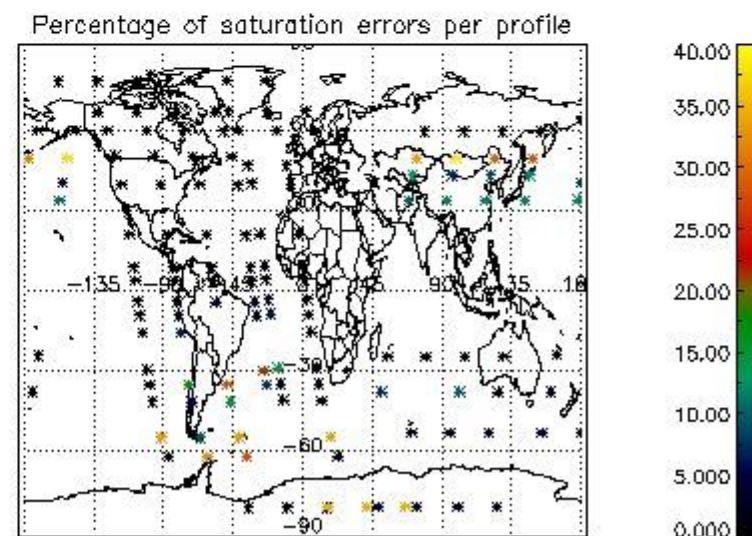
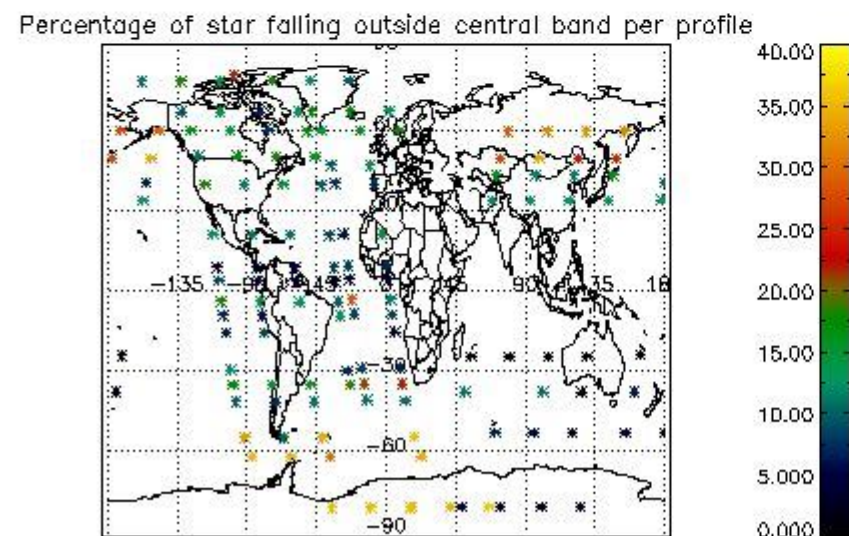
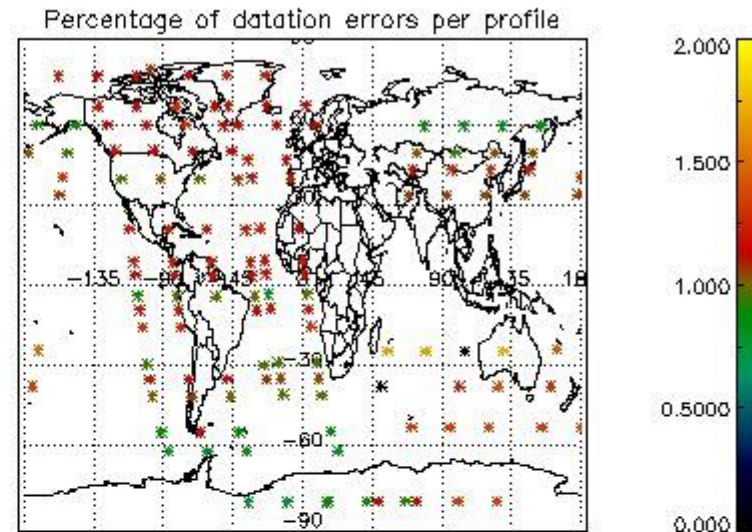
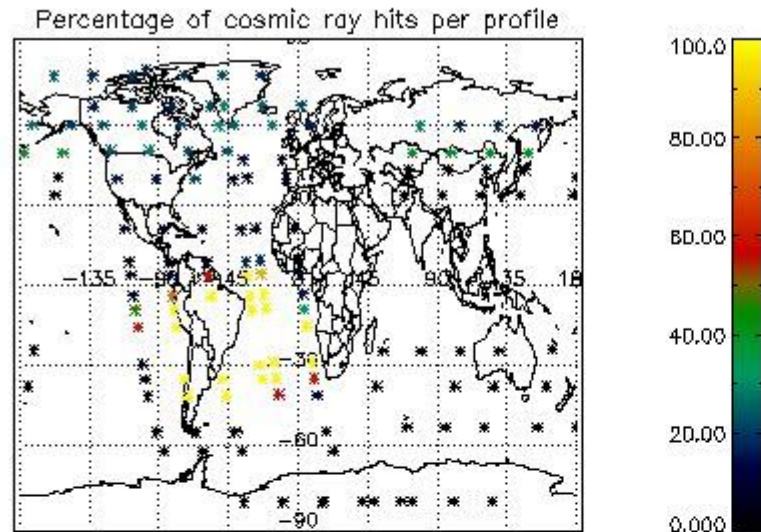
5.1 Percentage of products during reporting period with:

| | |
|---|-----------|
| At least one measurement with demodulation flag set: | 55.7971 % |
| Reference spectrum computed from DB: | 0.00000 % |
| Reference spectrum with small number of measurements: | 0.00000 % |
| SATU data not used: | 0.00000 % |

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



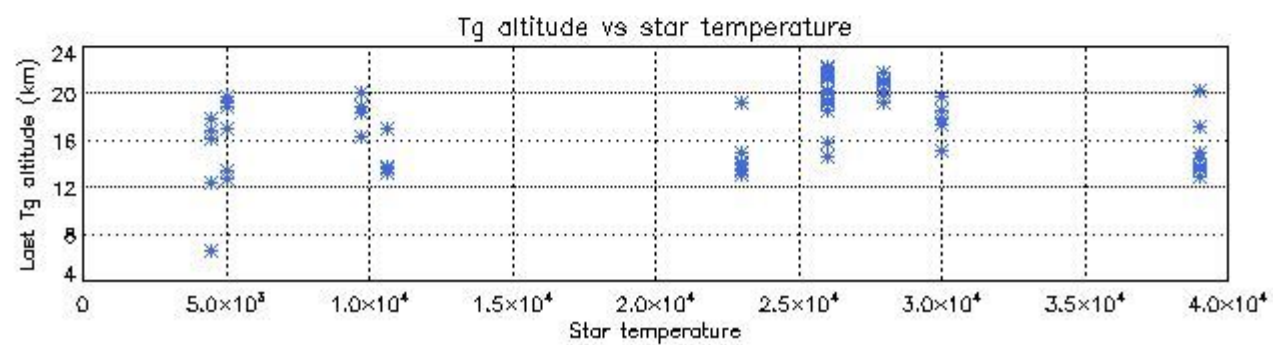
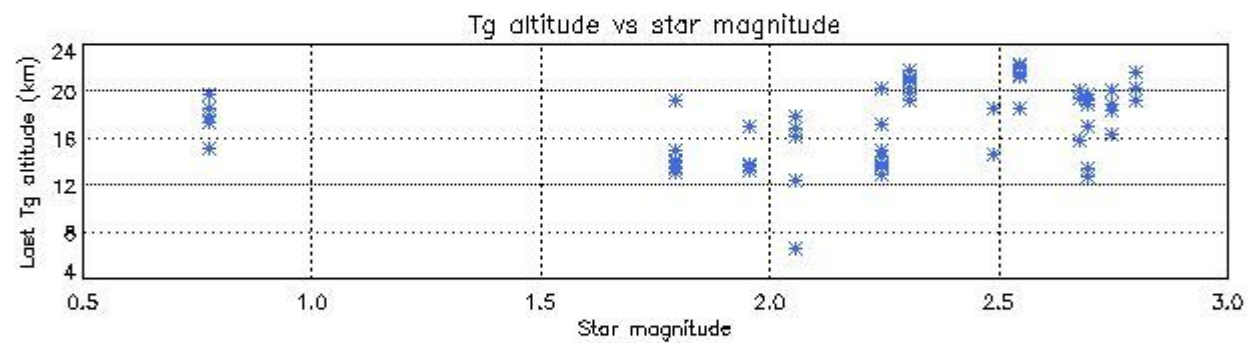
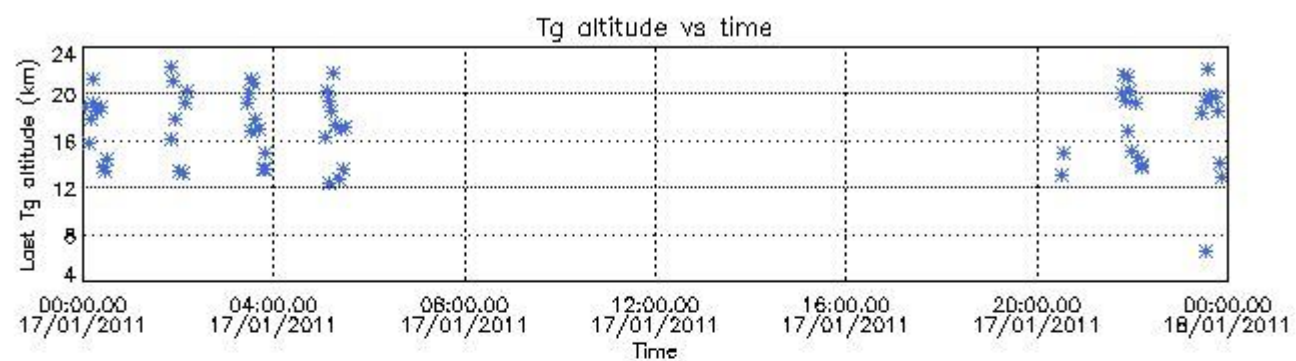
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

| Statistics | DARK | BRIGHT | TWILIGHT |
|-----------------|--------|--------|----------|
| Mean: | 17.290 | 14.061 | NaN |
| St. deviation: | 3.2039 | 9.0309 | NaN |
| Maximum: | 22.217 | 49.170 | NaN |
| Minimum: | 6.5359 | 3.8231 | NaN |
| Number of data: | 62.000 | 47.000 | NaN |

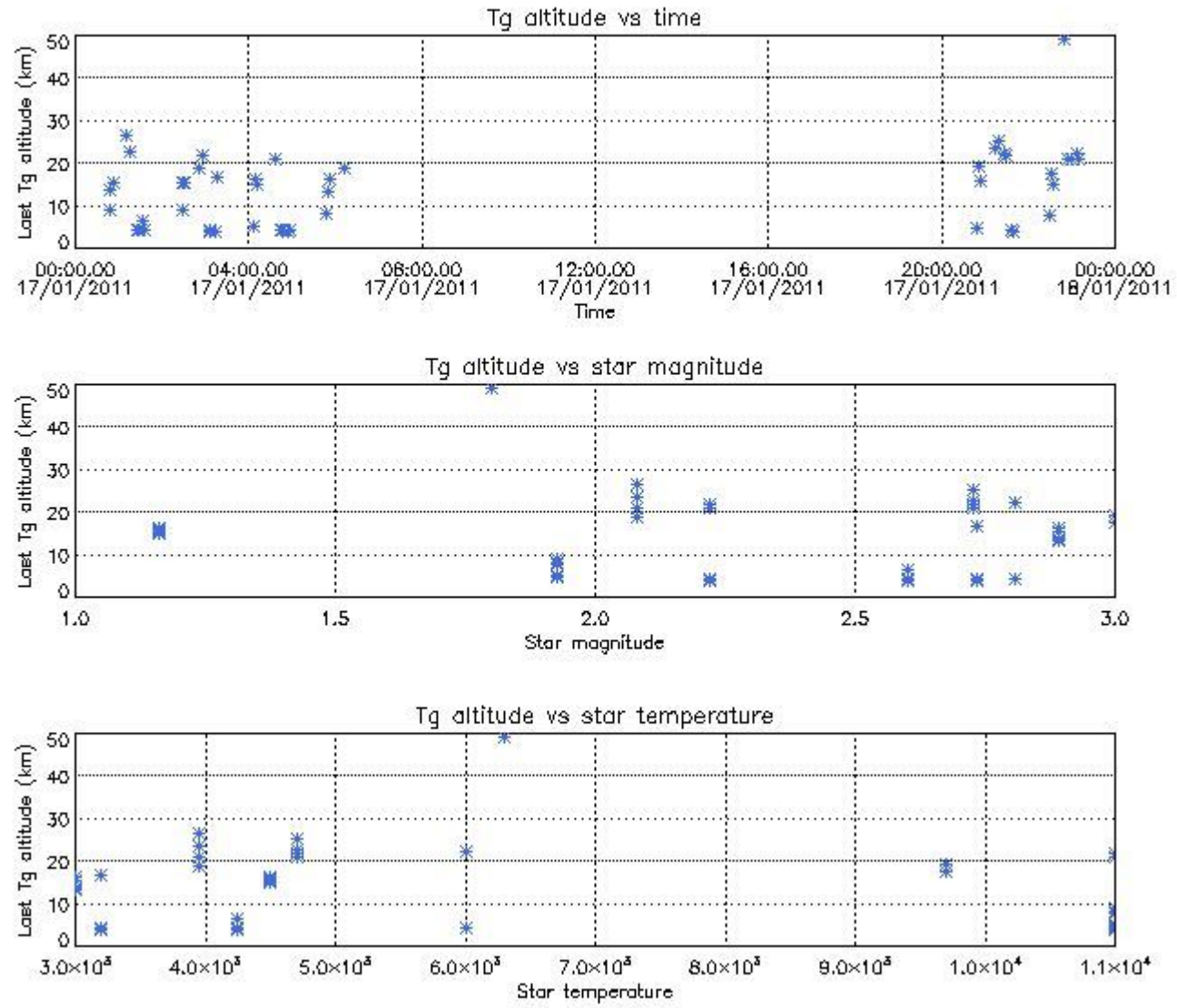
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

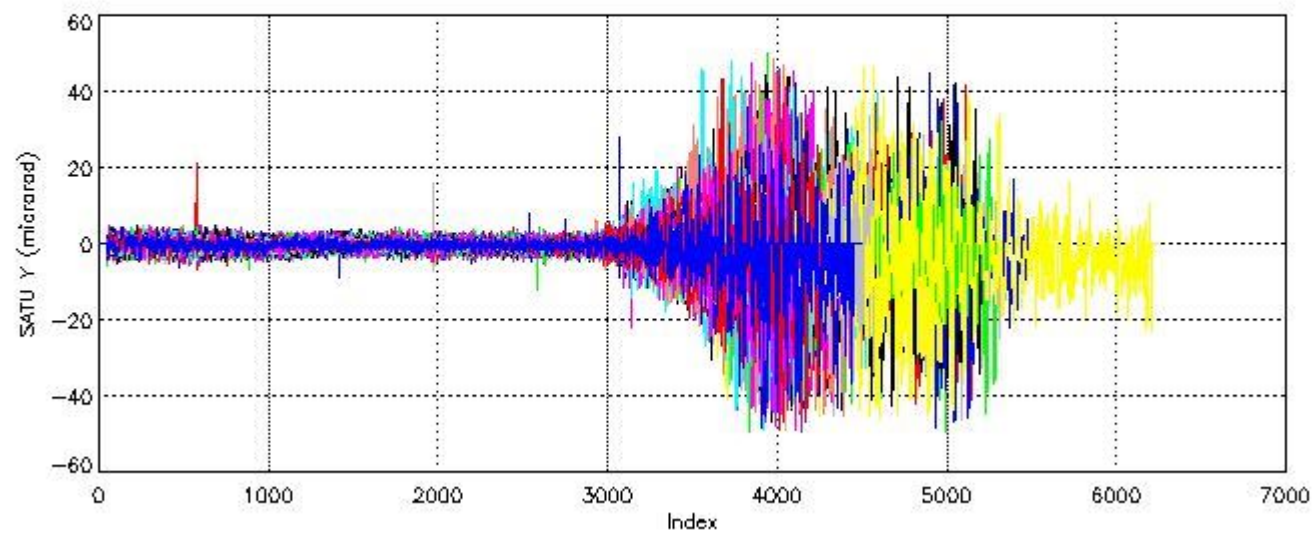
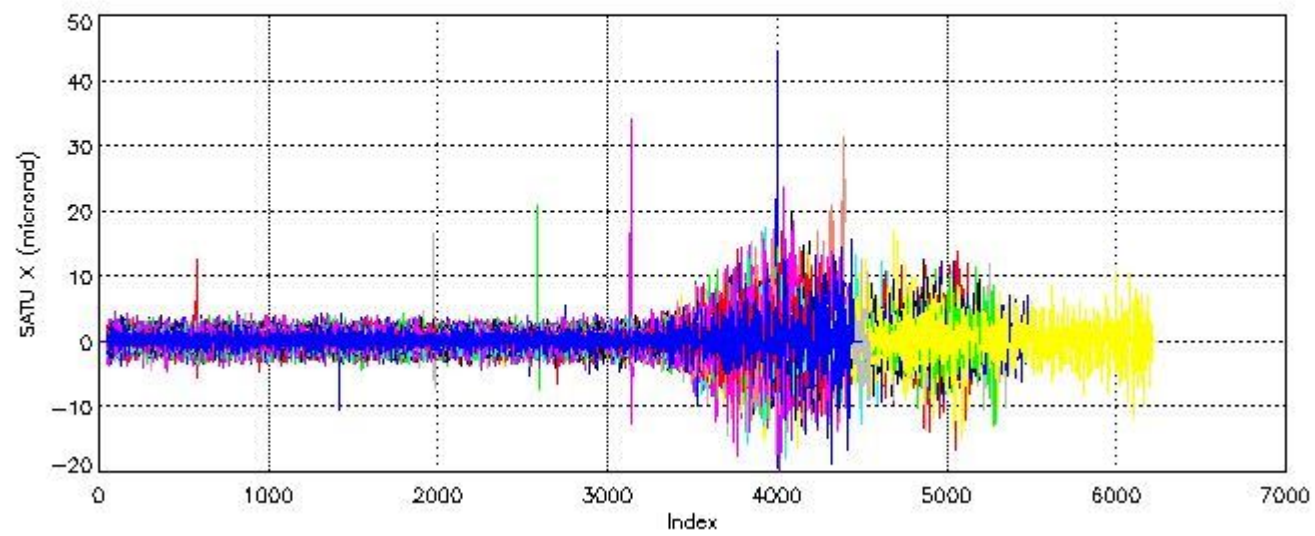


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

| Statistics | SATU X (D) | SATU Y (D) | SATU X (B) | SATU Y (B) |
|----------------|------------|------------|------------|------------|
| Mean: | 0.19268 | -0.39063 | 0.14521 | -0.38075 |
| St. deviation: | 0.73065 | 1.1955 | 0.53343 | 0.95515 |
| Maximum: | 12.400 | 20.800 | 3.6000 | 4.0000 |
| Minimum: | -5.5000 | -6.8000 | -3.8000 | -5.5000 |

| | | | | |
|-----------------|--------|--------|--------|--------|
| Number of data: | 64500. | 64500. | 44500. | 44500. |
|-----------------|--------|--------|--------|--------|

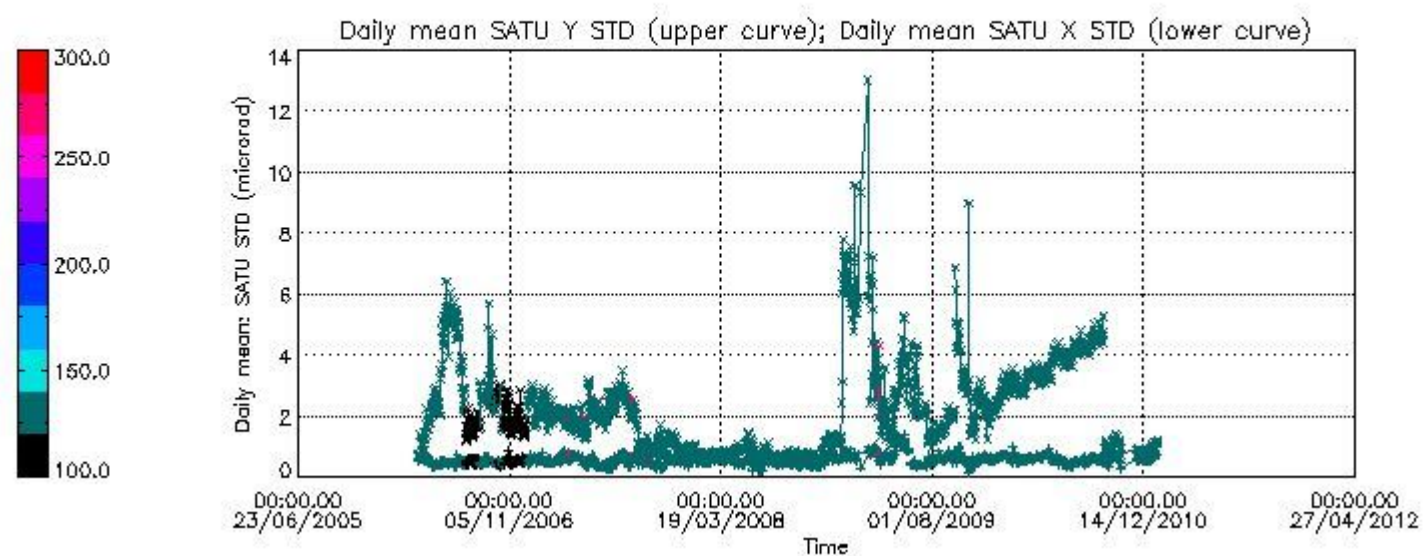
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

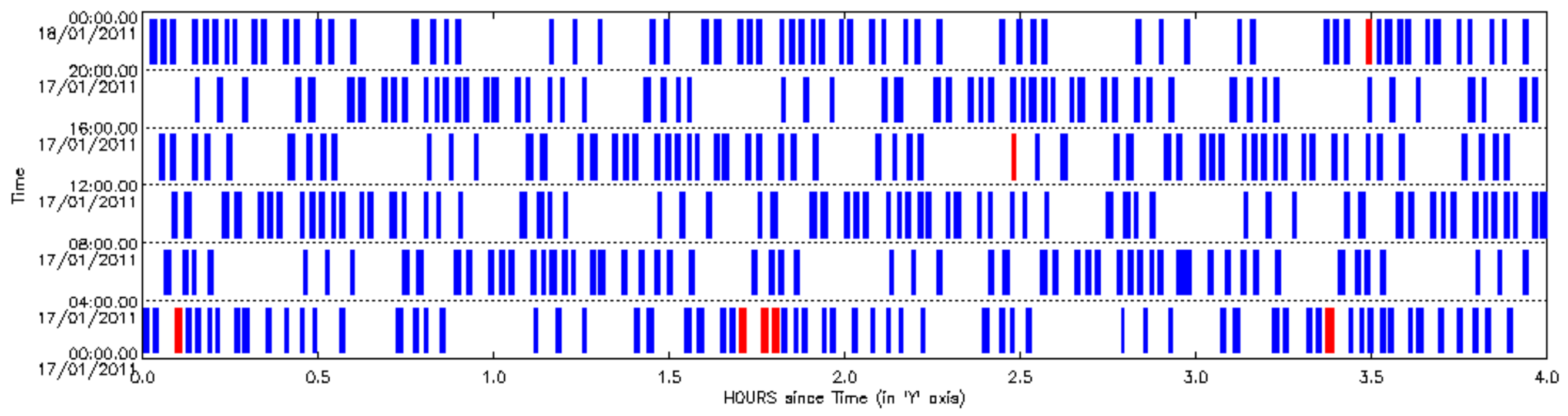
Lower curve: STD of SATU X axis

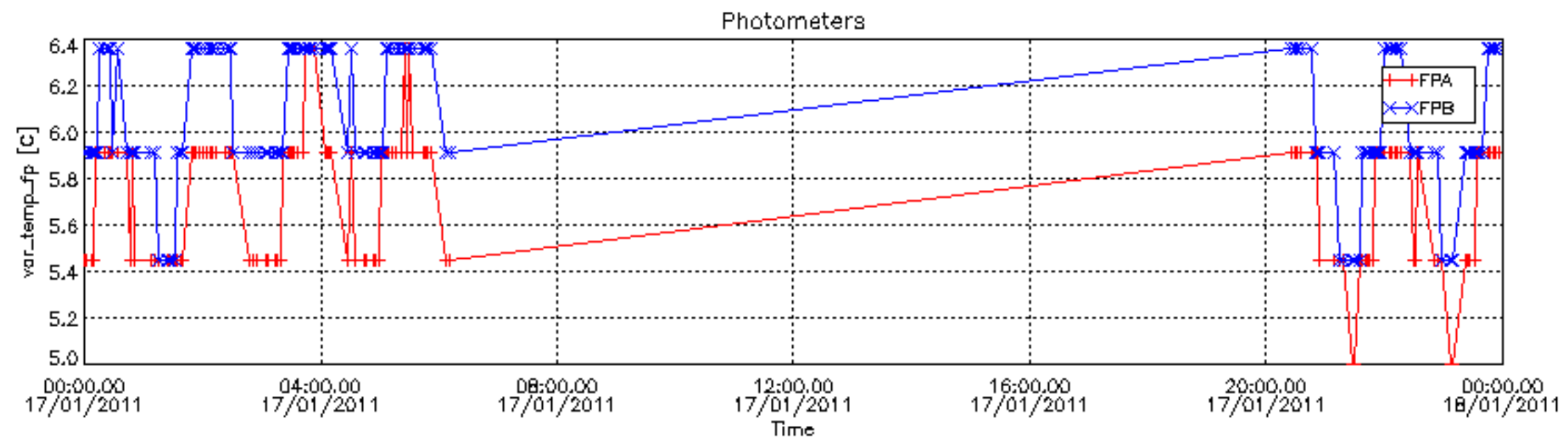
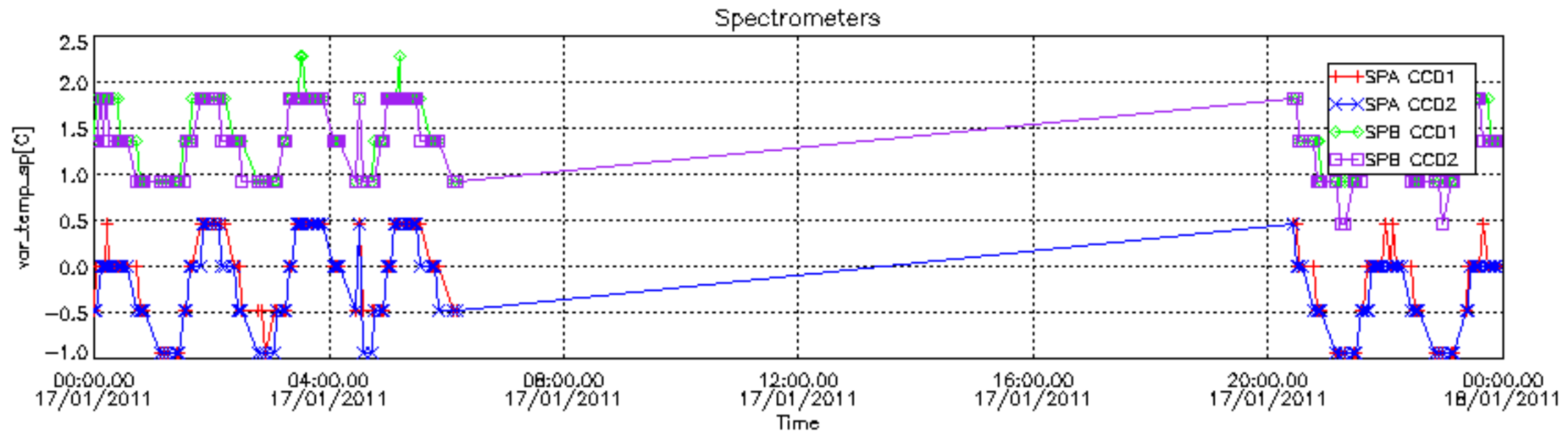


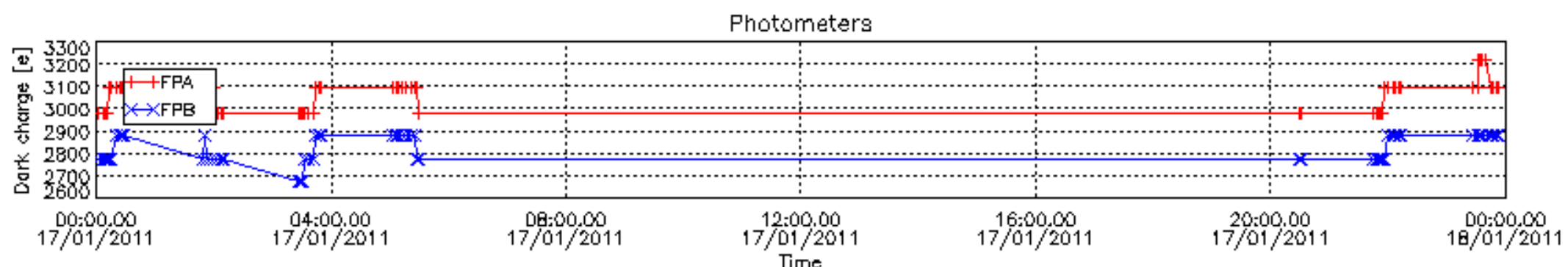
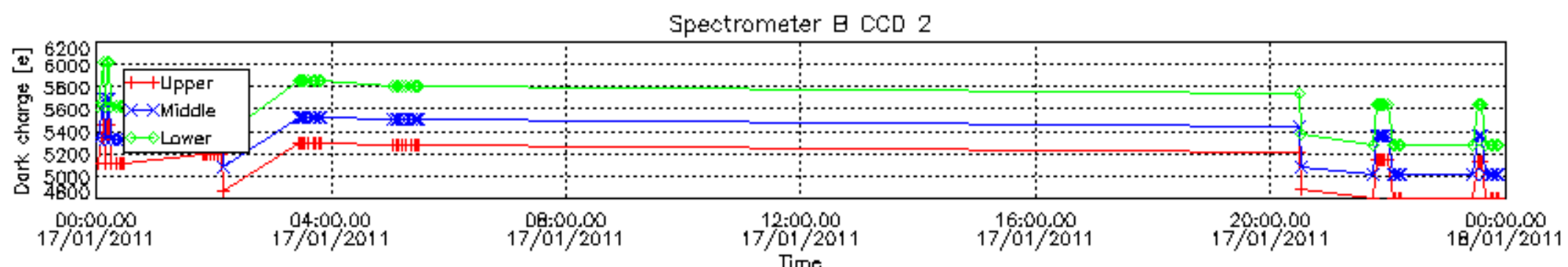
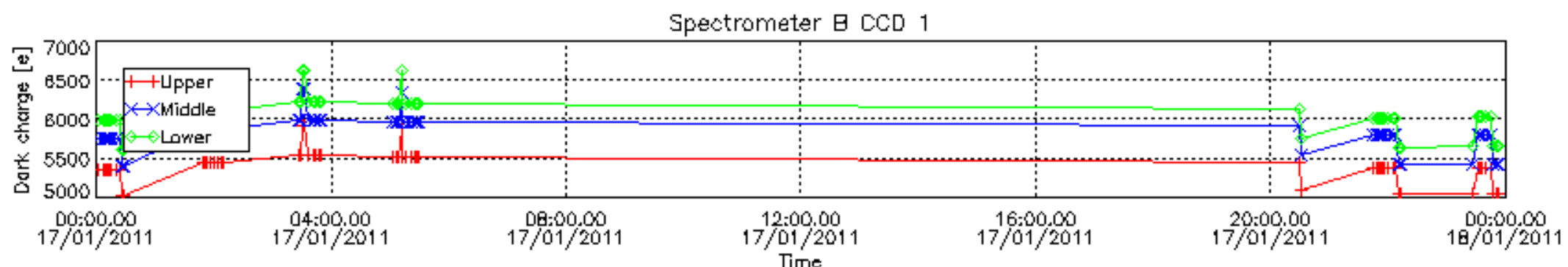
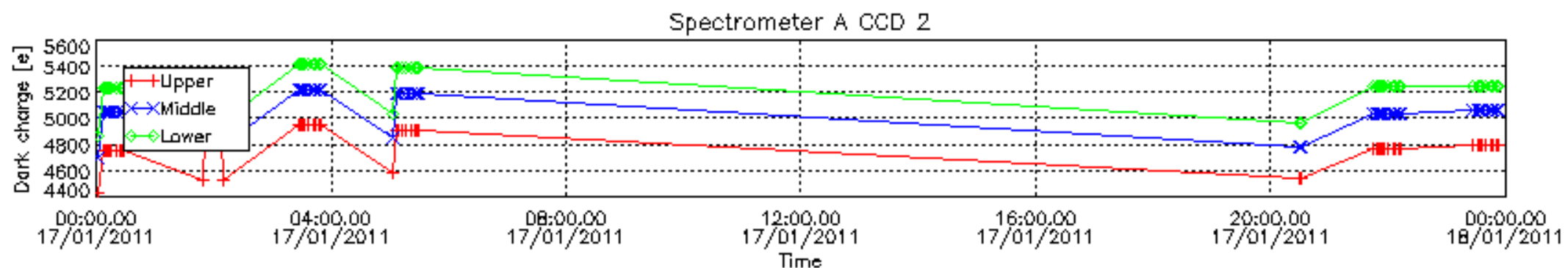
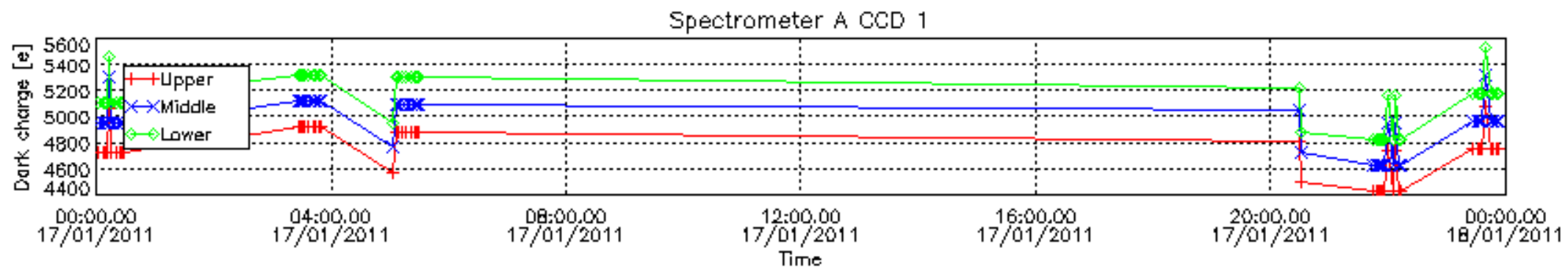
8. Auxiliary Data Files used for the production reported in section 2.4

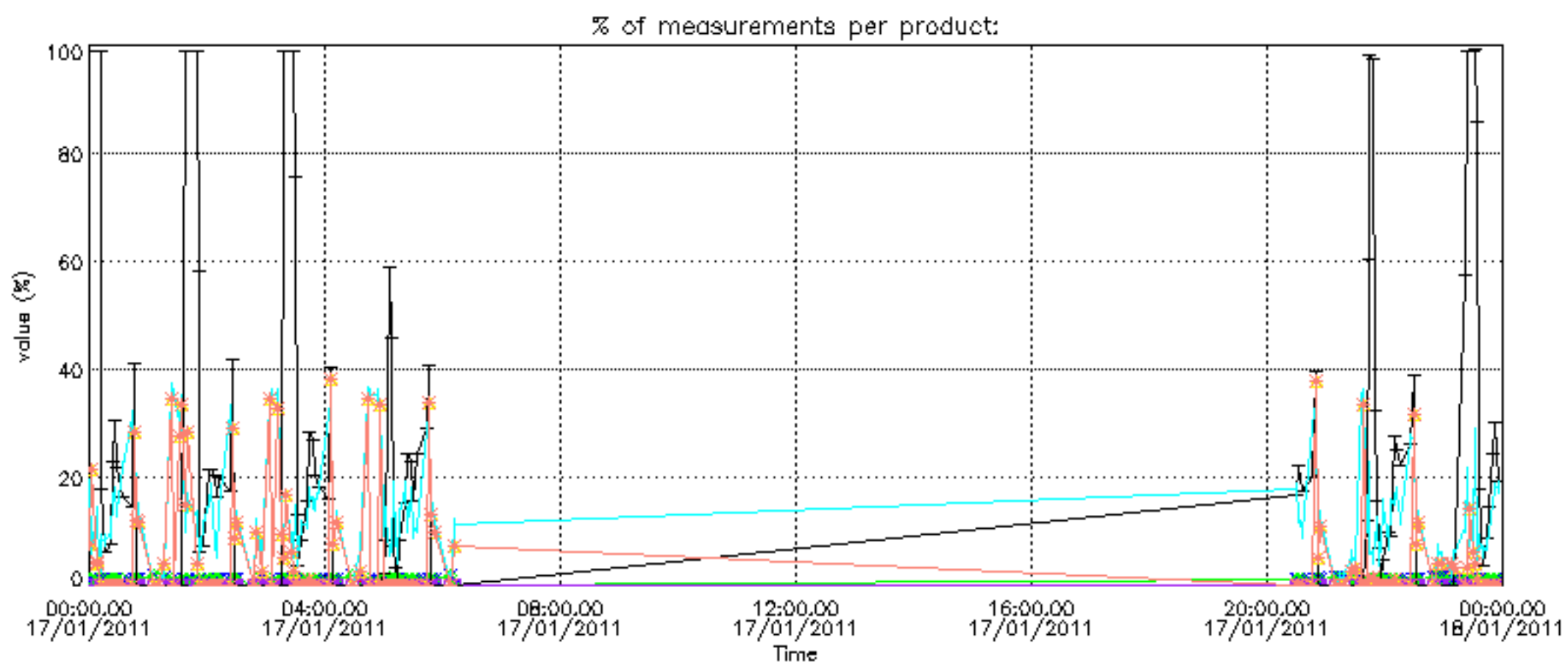
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|--|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 17-JAN-2011 00:00:10 |
| CALIBRATION_DATABASE | GOM_CAL_AXVIEC20110111_101345_20110110_000000_20500101_000000 | 1 | 17-JAN-2011 00:00:10 |
| LEVEL-1B_PROC_CONFIG | GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000 | 1 | 17-JAN-2011 00:00:10 |
| STAR_CATALOGUE | GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000 | 1 | 17-JAN-2011 00:00:10 |
| STELLAR_SPECTRA_DATABANK | GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000 | 1 | 17-JAN-2011 00:00:10 |
| ECMWF_FILE | AUX_ECF_AXNECM20110116_052116_20110116_210000_20110117_090000 | 1 | 17-JAN-2011 00:00:10 |
| ECMWF_FILE | AUX_ECF_AXNECM20110116_172114_20110117_030000_20110117_150000 | 64 | 17-JAN-2011 04:31:10 |
| ECMWF_FILE | AUX_ECF_AXNECM20110117_052116_20110117_150000_20110118_030000 | 90 | 17-JAN-2011 20:25:58 |
| ECMWF_FILE | AUX_ECF_AXNECM20110117_052116_20110117_210000_20110118_090000 | 105 | 17-JAN-2011 21:41:35 |
| OPTIONAL_ECMWF_FILE | MISSING | 1 | 17-JAN-2011 00:00:10 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20110116_235306_000057383098_00303_46438_2340.N1 | 1 | 17-JAN-2011 00:00:10 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20110117_013403_000041443098_00304_46439_2341.N1 | 24 | 17-JAN-2011 01:38:37 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20110117_024826_000057383098_00305_46440_2342.N1 | 40 | 17-JAN-2011 02:50:56 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20110117_042923_000057383098_00306_46441_2343.N1 | 64 | 17-JAN-2011 04:31:10 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20110117_202545_000041443098_00316_46451_2344.N1 | 90 | 17-JAN-2011 20:25:58 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20110117_214008_000057383098_00316_46451_2345.N1 | 105 | 17-JAN-2011 21:41:35 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20110117_232105_000054193098_00317_46452_2346.N1 | 129 | 17-JAN-2011 23:23:34 |

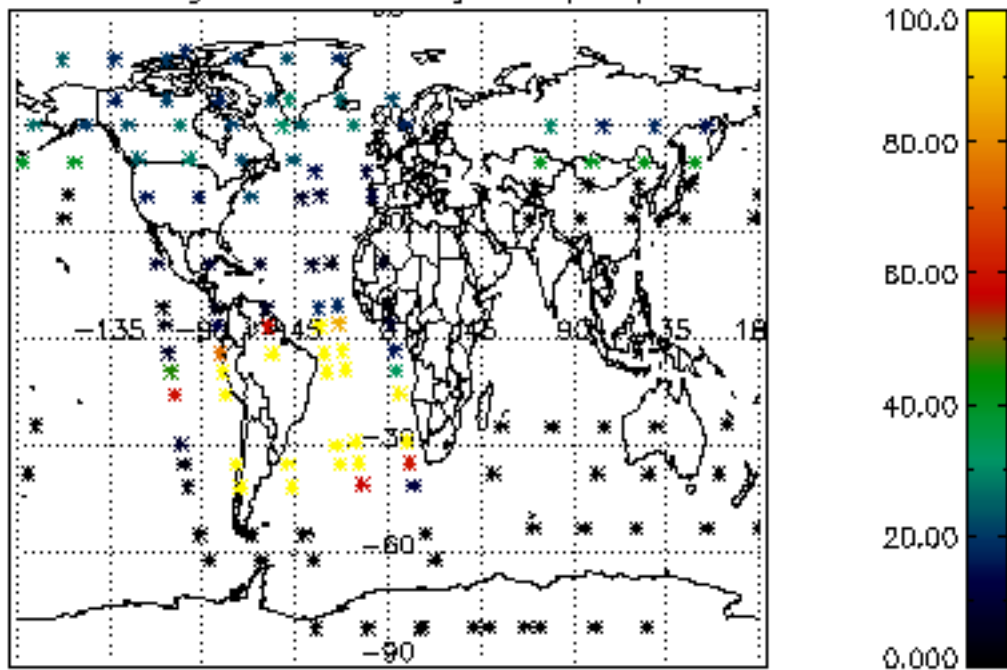




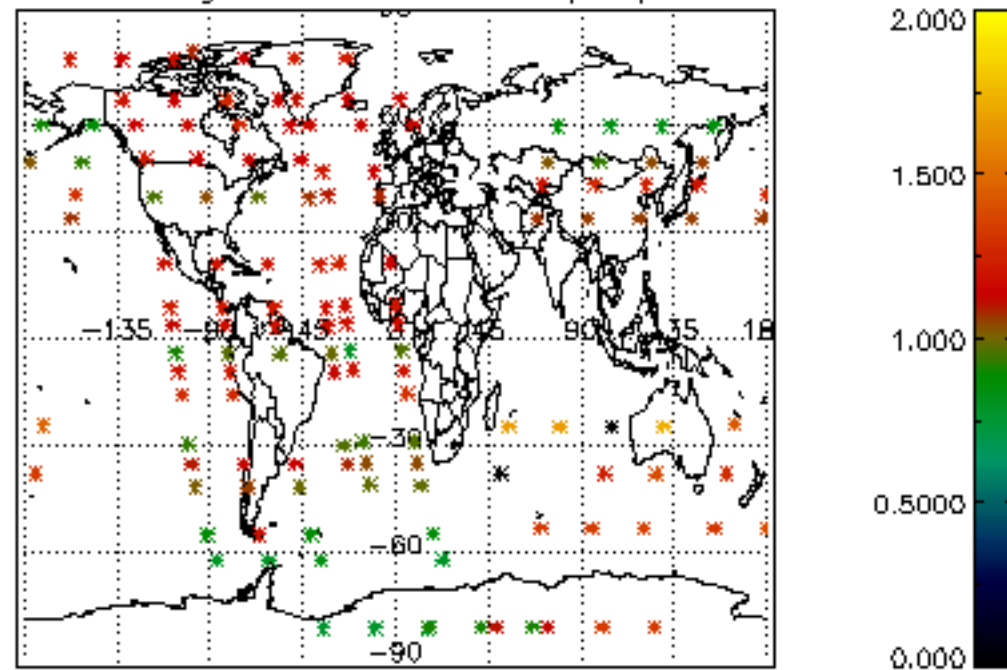




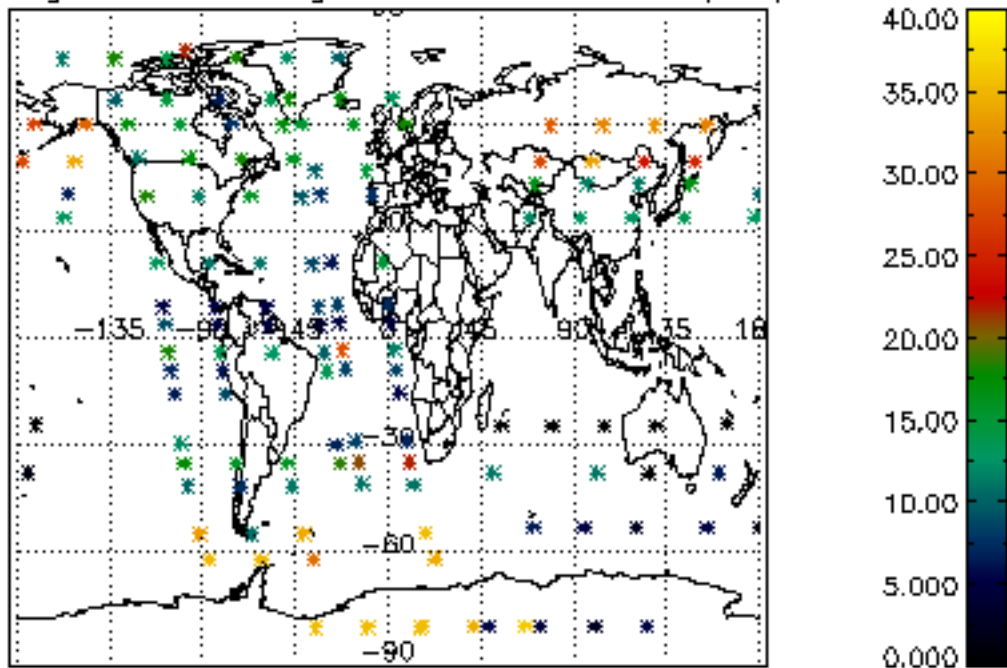
Percentage of cosmic ray hits per profile



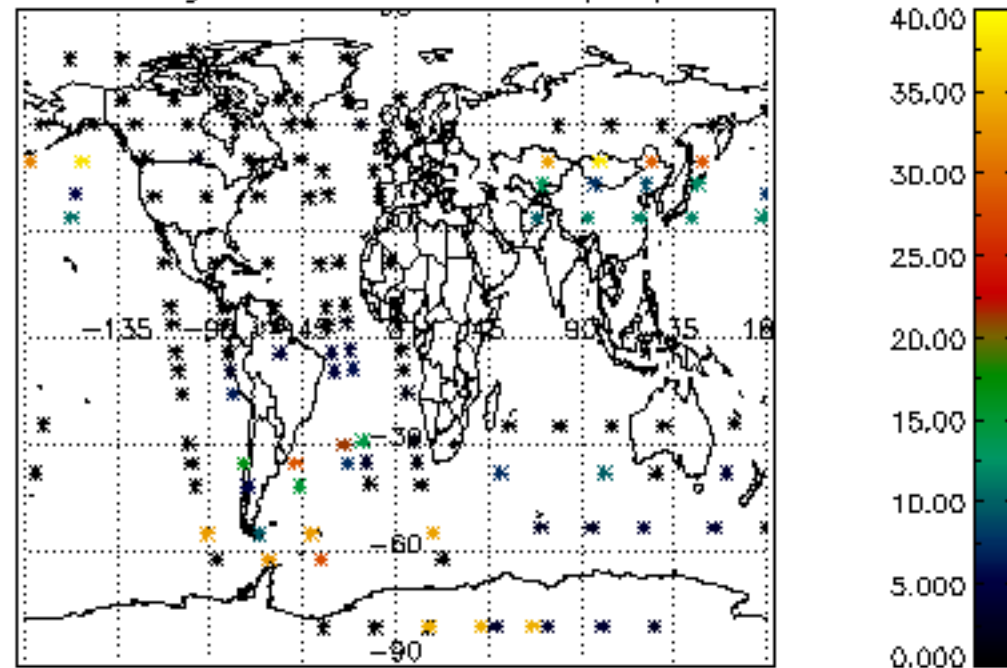
Percentage of datation errors per profile



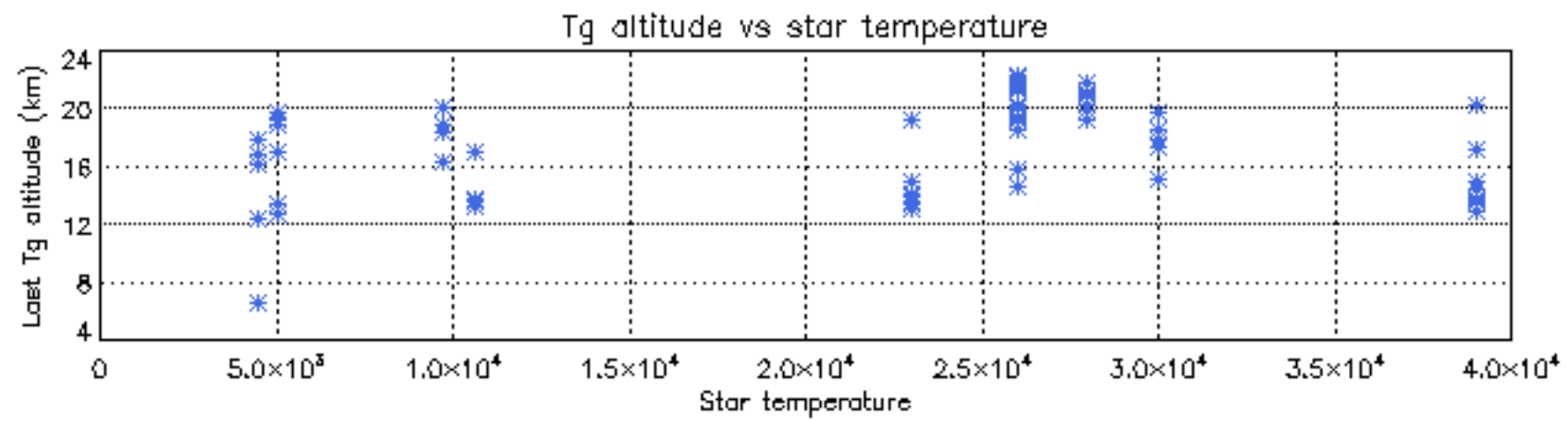
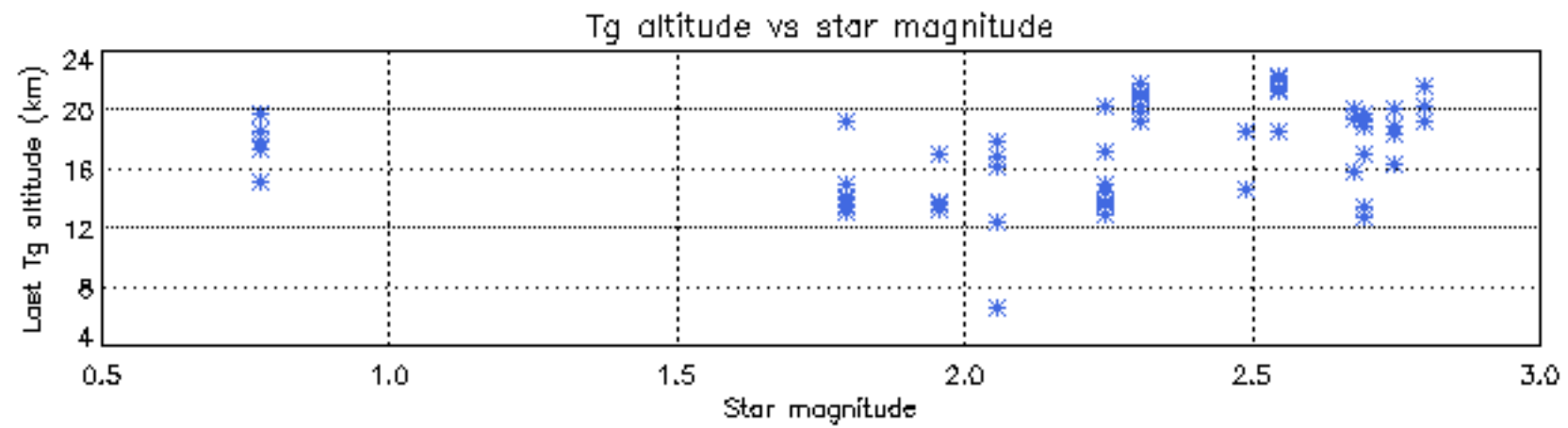
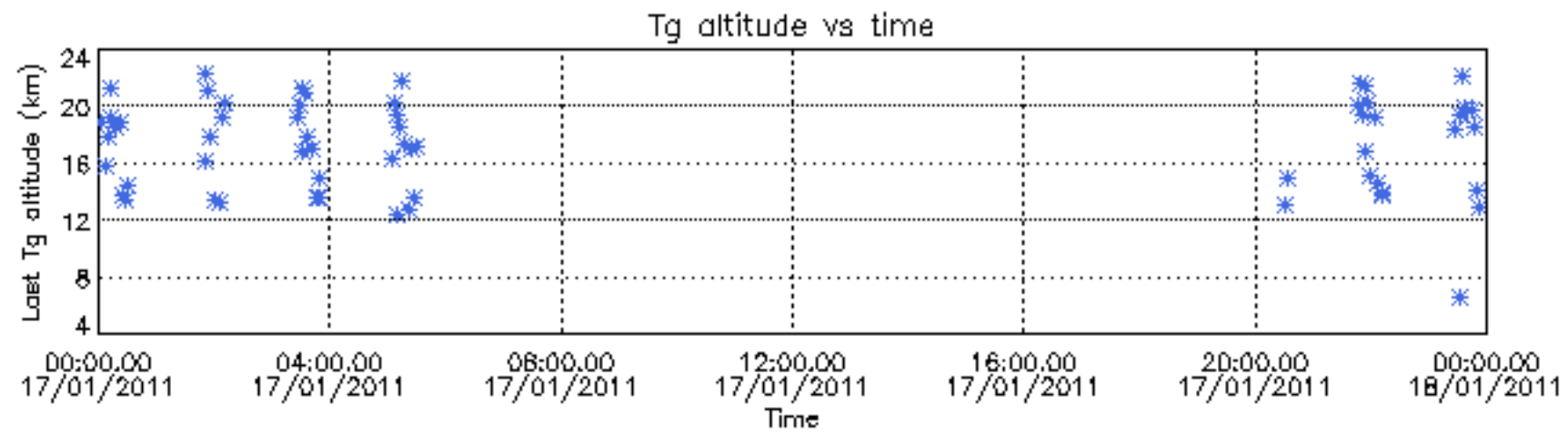
Percentage of star falling outside central band per profile



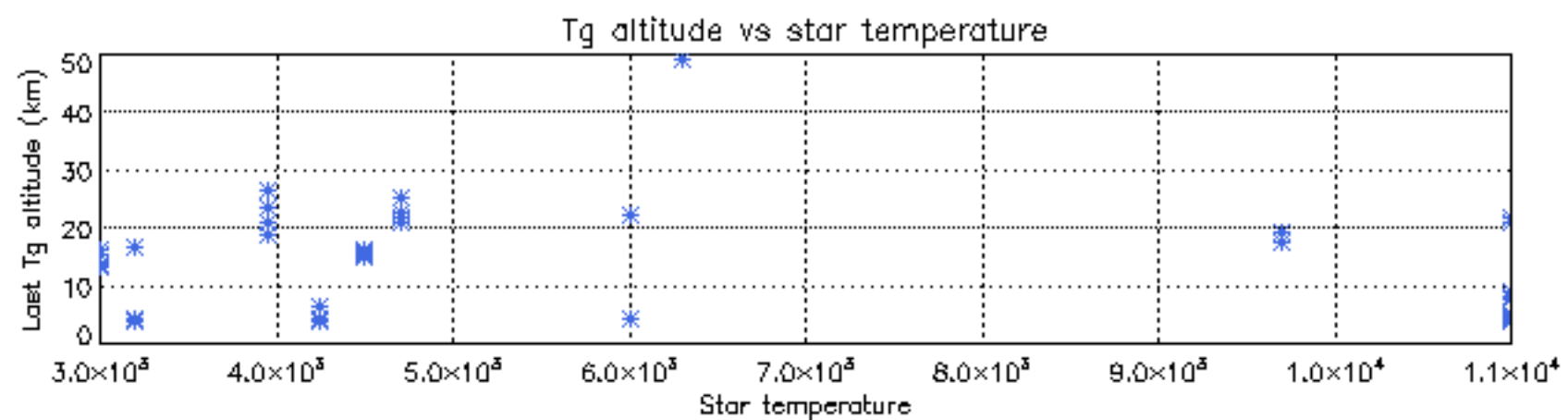
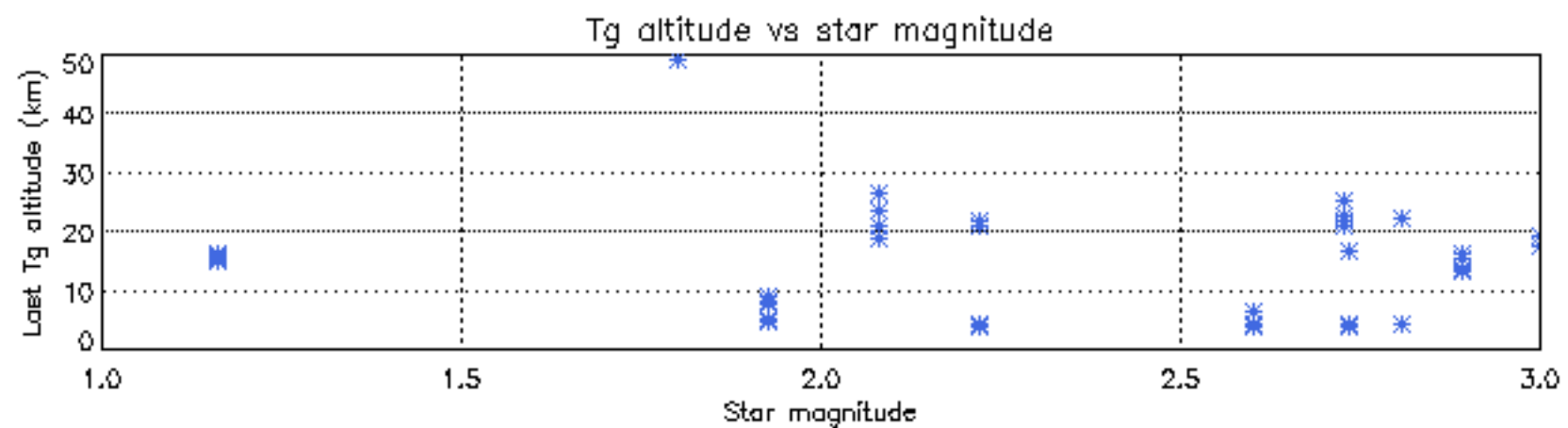
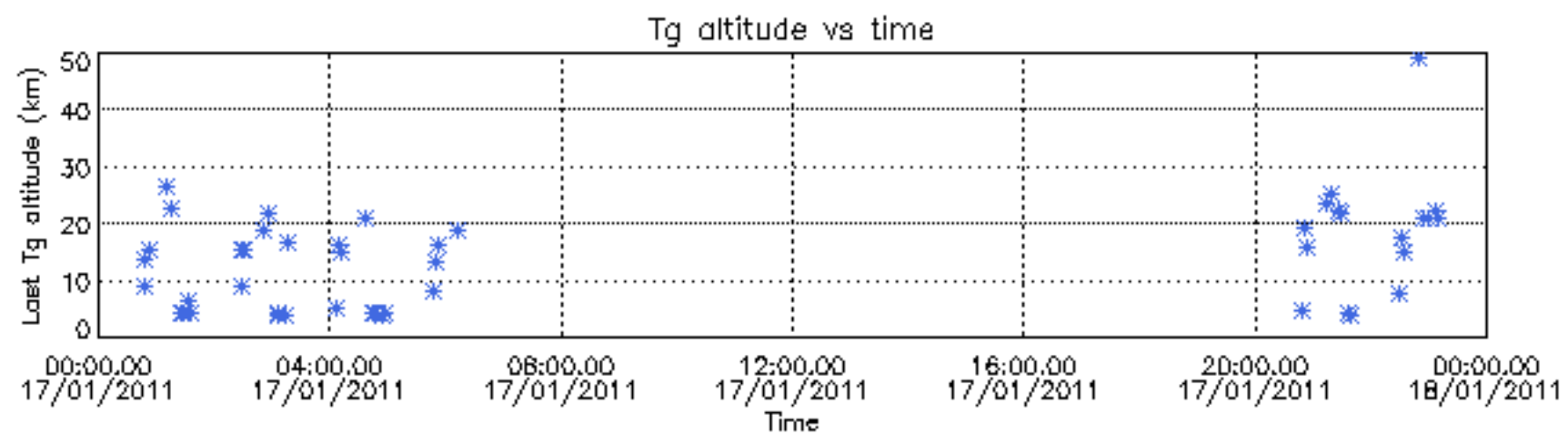
Percentage of saturation errors per profile

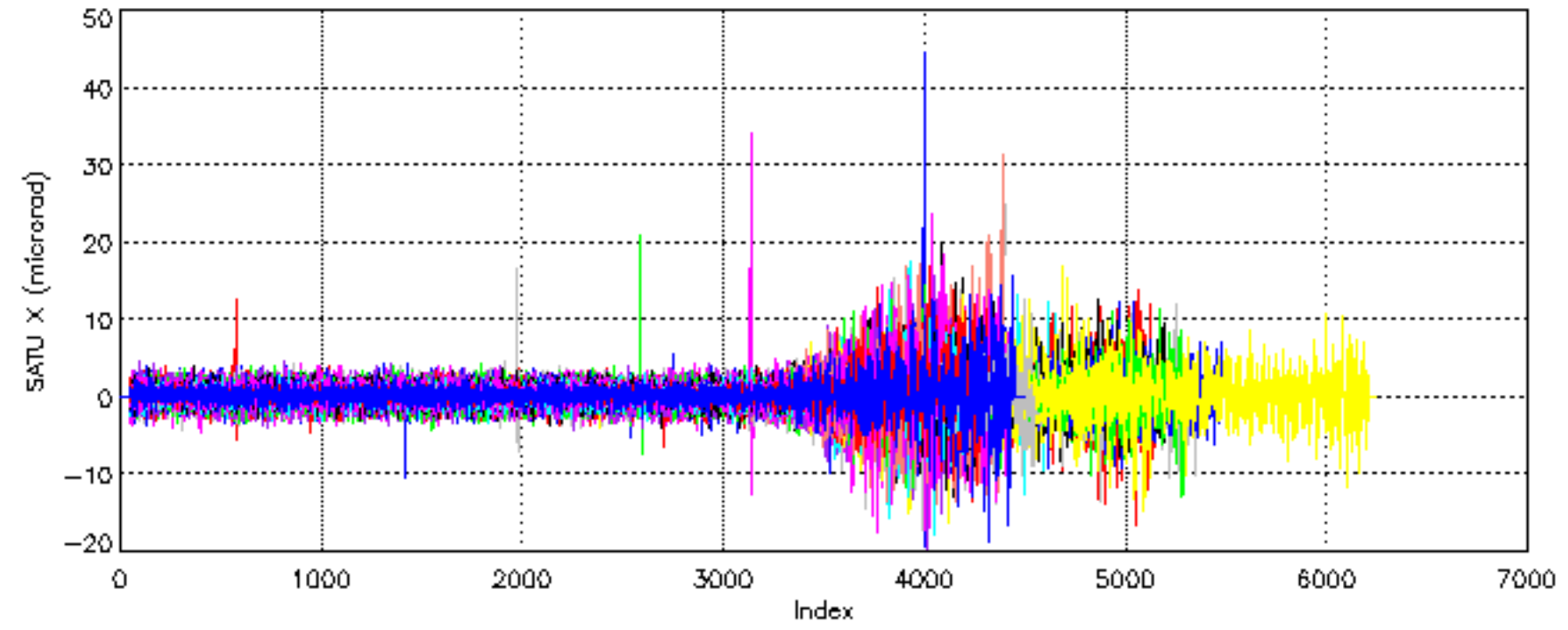


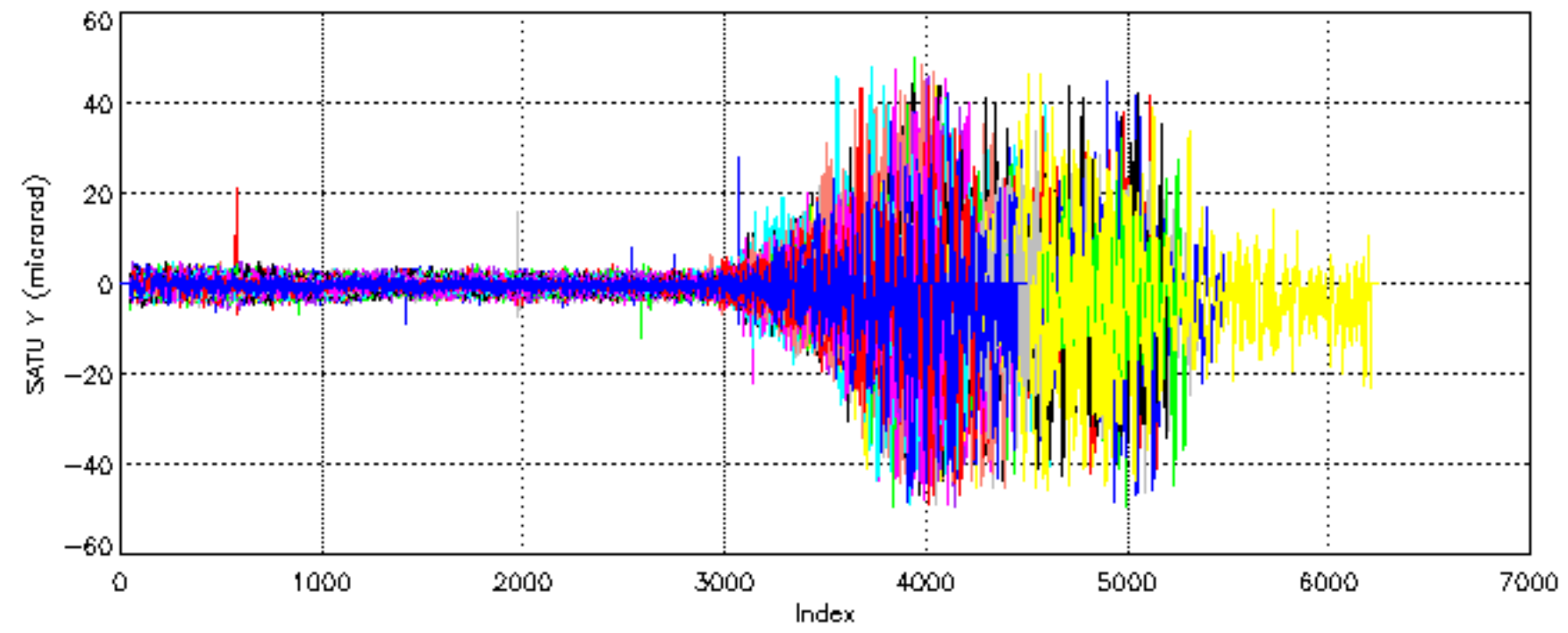
Tangent altitude at which the star is lost

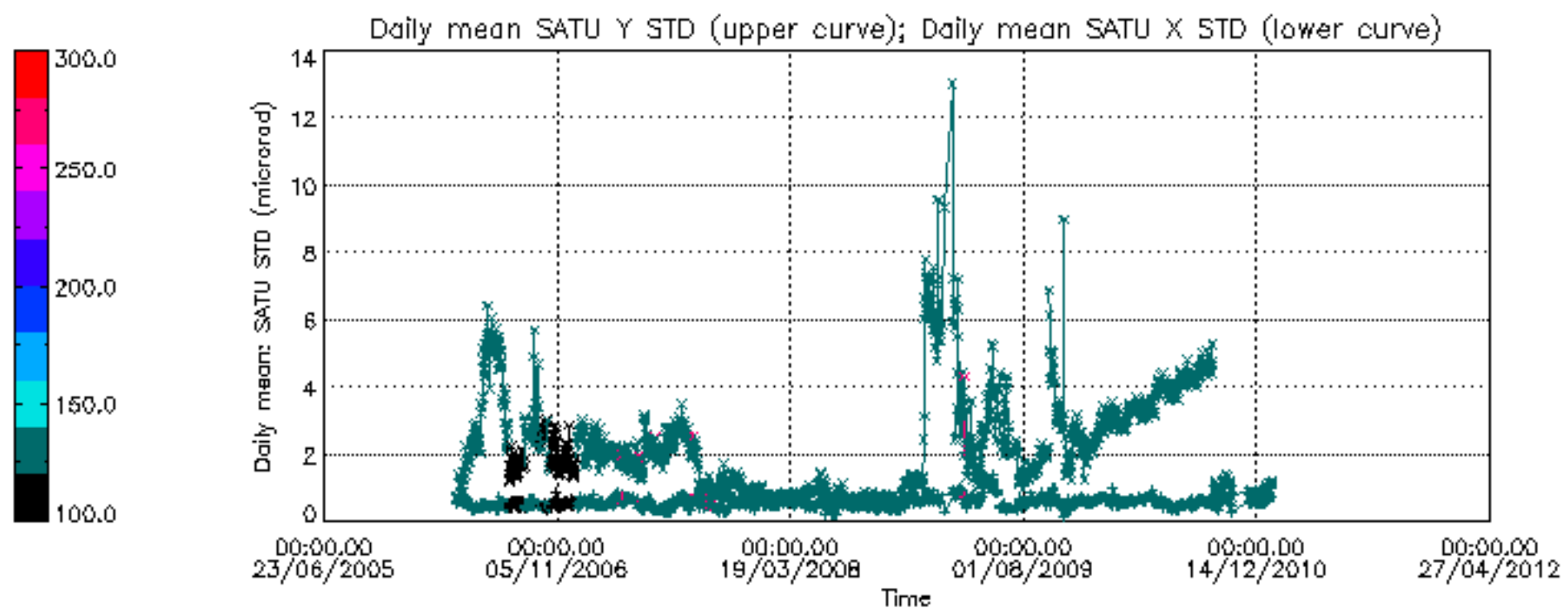


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110101_012508_000094163098_00074_46209_2000.N1

| | | | | | | | | | | | | | | | |
|-----|---------|-------------|-----------|---------|---|-------|------|-----------|---|--------|--------|------|------|----|-------|
| 1; | -684.4; | 01-JAN-2011 | 01:25:08; | Dark | ; | 45.0; | 122; | 9Alp2Lib | ; | 2.75; | 9700; | occ; | 90; | 0; | 46209 |
| 2; | -272.2; | 01-JAN-2011 | 01:32:00; | Dark | ; | 43.0; | 54; | 5The Cen | ; | 2.06; | 4500; | occ; | 86; | 0; | 46209 |
| 3; | -3.0; | 01-JAN-2011 | 01:36:29; | Dark | ; | 40.5; | 77; | Eps Cen | ; | 2.30; | 28000; | occ; | 81; | 0; | 46210 |
| 4; | 102.2; | 01-JAN-2011 | 01:38:14; | Dark | ; | 45.0; | 64; | Gam Cen | ; | 2.20; | 10600; | occ; | 90; | 0; | 46210 |
| 5; | 211.5; | 01-JAN-2011 | 01:40:04; | Dark | ; | 59.5; | 0; | | ; | 0.00; | 0; | occ; | 119; | 0; | 46210 |
| 6; | 470.5; | 01-JAN-2011 | 01:44:23; | Dark | ; | 48.0; | 113; | Mu Vel | ; | 2.69; | 5000; | occ; | 96; | 0; | 46210 |
| 7; | 623.9; | 01-JAN-2011 | 01:46:56; | Dark | ; | 48.5; | 71; | Iot Car | ; | 2.25; | 7700; | occ; | 97; | 0; | 46210 |
| 8; | 738.0; | 01-JAN-2011 | 01:48:50; | Dark | ; | 42.5; | 46; | Del Vel | ; | 1.95; | 10600; | occ; | 85; | 0; | 46210 |
| 9; | 908.3; | 01-JAN-2011 | 01:51:41; | Dark | ; | 48.5; | 34; | Gam2Vel | ; | 1.79; | 23000; | occ; | 97; | 0; | 46210 |
| 10; | 1039.2; | 01-JAN-2011 | 01:53:52; | Dark | ; | 49.5; | 70; | Zet Pup | ; | 2.25; | 39000; | occ; | 99; | 0; | 46210 |
| 11; | 1163.5; | 01-JAN-2011 | 01:55:56; | Dark | ; | 49.0; | 117; | Pi Pup | ; | 2.71; | 3800; | occ; | 98; | 0; | 46210 |
| 12; | 1330.9; | 01-JAN-2011 | 01:58:43; | Dark | ; | 47.0; | 23; | 21Eps CMa | ; | 1.50; | 26000; | occ; | 94; | 0; | 46210 |
| 13; | 1423.0; | 01-JAN-2011 | 02:00:15; | Dark | ; | 45.0; | 179; | 240mi2CMa | ; | 3.03; | 24000; | occ; | 90; | 0; | 46210 |
| 14; | 1570.3; | 01-JAN-2011 | 02:02:43; | Dark | ; | 53.0; | 1; | 9Alp CMa | ; | -1.44; | 11000; | occ; | 106; | 0; | 46210 |
| 15; | 1719.7; | 01-JAN-2011 | 02:05:12; | Dark | ; | 42.5; | 56; | 53Kap Ori | ; | 2.07; | 30000; | occ; | 85; | 0; | 46210 |
| 16; | 1869.3; | 01-JAN-2011 | 02:07:42; | Dark | ; | 45.5; | 30; | 46Eps Ori | ; | 1.69; | 30000; | occ; | 91; | 0; | 46210 |
| 17; | 2019.8; | 01-JAN-2011 | 02:10:12; | Dark | ; | 55.0; | 14; | 58Alp Ori | ; | 0.87; | 3000; | occ; | 110; | 0; | 46210 |
| 18; | 2214.1; | 01-JAN-2011 | 02:13:26; | Dark | ; | 48.5; | 44; | 24Gam Gem | ; | 1.93; | 11000; | occ; | 97; | 0; | 46210 |
| 19; | 2312.3; | 01-JAN-2011 | 02:15:05; | Bright; | ; | 48.0; | 151; | 13Mu Gem | ; | 2.89; | 3000; | occ; | 96; | 0; | 46210 |
| 20; | 2551.7; | 01-JAN-2011 | 02:19:04; | Bright; | ; | 39.0; | 107; | 37The Aur | ; | 2.65; | 11000; | occ; | 78; | 0; | 46210 |
| 21; | 2677.4; | 01-JAN-2011 | 02:21:10; | Bright; | ; | 40.5; | 6; | 13Alp Aur | ; | 0.08; | 3400; | occ; | 81; | 0; | 46210 |
| 22; | 3671.8; | 01-JAN-2011 | 02:37:44; | Bright; | ; | 55.0; | 60; | 7Bet UMi | ; | 2.08; | 3950; | occ; | 110; | 0; | 46210 |
| 23; | 3889.5; | 01-JAN-2011 | 02:41:22; | Bright; | ; | 48.0; | 32; | 77Eps UMa | ; | 1.76; | 11000; | occ; | 96; | 0; | 46210 |
| 24; | 4086.7; | 01-JAN-2011 | 02:44:39; | Bright; | ; | 66.0; | 39; | 85Eta UMa | ; | 1.85; | 24000; | occ; | 132; | 0; | 46210 |
| 25; | 4331.1; | 01-JAN-2011 | 02:48:43; | Bright; | ; | 40.0; | 180; | 27Gam Boo | ; | 3.04; | 8000; | occ; | 80; | 0; | 46210 |
| 26; | 4552.2; | 01-JAN-2011 | 02:52:24; | Bright; | ; | 62.0; | 83; | | ; | 2.38; | 11000; | occ; | 124; | 0; | 46210 |
| 27; | 4747.8; | 01-JAN-2011 | 02:55:40; | Bright; | ; | 54.0; | 3; | 16Alp Boo | ; | -0.05; | 4250; | occ; | 108; | 0; | 46210 |
| 28; | 4868.3; | 01-JAN-2011 | 02:57:41; | Bright; | ; | 54.0; | 102; | 24Alp Ser | ; | 2.60; | 4250; | occ; | 108; | 0; | 46210 |
| 29; | 5171.3; | 01-JAN-2011 | 03:02:44; | Bright; | ; | 56.0; | 104; | 27Bet Lib | ; | 2.61; | 13100; | occ; | 112; | 0; | 46210 |
| 30; | 5330.2; | 01-JAN-2011 | 03:05:23; | Dark | ; | 44.5; | 122; | 9Alp2Lib | ; | 2.75; | 9700; | occ; | 89; | 0; | 46210 |
| 31; | 5742.5; | 01-JAN-2011 | 03:12:15; | Dark | ; | 49.0; | 54; | 5The Cen | ; | 2.06; | 4500; | occ; | 98; | 0; | 46210 |
| 32; | 5907.7; | 01-JAN-2011 | 03:15:00; | Dark | ; | 40.0; | 95; | Zet Cen | ; | 2.55; | 26000; | occ; | 80; | 0; | 46210 |
| 33; | 6011.7; | 01-JAN-2011 | 03:16:44; | Dark | ; | 39.5; | 77; | Eps Cen | ; | 2.30; | 28000; | occ; | 79; | 0; | 46211 |
| 34; | 6117.0; | 01-JAN-2011 | 03:18:29; | Dark | ; | 45.0; | 64; | Gam Cen | ; | 2.20; | 10600; | occ; | 90; | 0; | 46211 |
| 35; | 6226.4; | 01-JAN-2011 | 03:20:19; | Dark | ; | 59.5; | 0; | | ; | 0.00; | 0; | occ; | 119; | 0; | 46211 |
| 36; | 6485.7; | 01-JAN-2011 | 03:24:38; | Dark | ; | 49.0; | 113; | Mu Vel | ; | 2.69; | 5000; | occ; | 98; | 0; | 46211 |
| 37; | 6638.6; | 01-JAN-2011 | 03:27:11; | Dark | ; | 42.5; | 71; | Iot Car | ; | 2.25; | 7700; | occ; | 85; | 0; | 46211 |
| 38; | 6752.6; | 01-JAN-2011 | 03:29:05; | Dark | ; | 45.0; | 46; | Del Vel | ; | 1.95; | 10600; | occ; | 90; | 0; | 46211 |
| 39; | 6923.2; | 01-JAN-2011 | 03:31:56; | Dark | ; | 46.5; | 34; | Gam2Vel | ; | 1.79; | 23000; | occ; | 93; | 0; | 46211 |
| 40; | 7054.0; | 01-JAN-2011 | 03:34:06; | Dark | ; | 45.5; | 70; | Zet Pup | ; | 2.25; | 39000; | occ; | 91; | 0; | 46211 |
| 41; | 7178.0; | 01-JAN-2011 | 03:36:10; | Dark | ; | 47.0; | 117; | Pi Pup | ; | 2.71; | 3800; | occ; | 94; | 0; | 46211 |
| 42; | 7345.3; | 01-JAN-2011 | 03:38:58; | Dark | ; | 46.0; | 23; | 21Eps CMa | ; | 1.50; | 26000; | occ; | 92; | 0; | 46211 |
| 43; | 7437.3; | 01-JAN-2011 | 03:40:30; | Dark | ; | 46.0; | 179; | 240mi2CMa | ; | 3.03; | 24000; | occ; | 92; | 0; | 46211 |
| 44; | 7584.6; | 01-JAN-2011 | 03:42:57; | Dark | ; | 53.0; | 1; | 9Alp CMa | ; | -1.44; | 11000; | occ; | 106; | 0; | 46211 |
| 45; | 7733.8; | 01-JAN-2011 | 03:45:26; | Dark | ; | 44.0; | 56; | 53Kap Ori | ; | 2.07; | 30000; | occ; | 88; | 0; | 46211 |
| 46; | 7883.6; | 01-JAN-2011 | 03:47:56; | Dark | ; | 44.5; | 30; | 46Eps Ori | ; | 1.69; | 30000; | occ; | 89; | 0; | 46211 |
| 47; | 8034.0; | 01-JAN-2011 | 03:50:26; | Dark | ; | 55.0; | 14; | 58Alp Ori | ; | 0.87; | 3000; | occ; | 110; | 0; | 46211 |
| 48; | 8228.0; | 01-JAN-2011 | 03:53:40; | Dark | ; | 44.5; | 44; | 24Gam Gem | ; | 1.93; | 11000; | occ; | 89; | 0; | 46211 |
| 49; | 8326.2; | 01-JAN-2011 | 03:55:18; | Bright; | ; | 43.5; | 151; | 13Mu Gem | ; | 2.89; | 3000; | occ; | 87; | 0; | 46211 |
| 50; | 8565.6; | 01-JAN-2011 | 03:59:18; | Bright; | ; | 38.5; | 107; | 37The Aur | ; | 2.65; | 11000; | occ; | 77; | 0; | 46211 |
| 51; | 8691.4; | 01-JAN-2011 | 04:01:24; | Bright; | ; | 41.0; | 6; | 13Alp Aur | ; | 0.08; | 3400; | occ; | 82; | 0; | 46211 |

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110101_041758_000060253098_00076_46211_2001.N1

| | | | | | | | | | | | | | | | |
|-----|----------|-------------|-----------|---------|---|-------|------|-----------|---|--------|--------|------|------|----|-------|
| 1; | -2342.4; | 01-JAN-2011 | 04:17:58; | Bright; | ; | 39.0; | 60; | 7Bet UMi | ; | 2.08; | 3950; | occ; | 78; | 0; | 46211 |
| 2; | -2124.9; | 01-JAN-2011 | 04:21:36; | Bright; | ; | 47.5; | 32; | 77Eps UMa | ; | 1.76; | 11000; | occ; | 95; | 0; | 46211 |
| 3; | -1927.5; | 01-JAN-2011 | 04:24:53; | Bright; | ; | 45.0; | 39; | 85Eta UMa | ; | 1.85; | 24000; | occ; | 90; | 0; | 46211 |
| 4; | -1683.0; | 01-JAN-2011 | 04:28:57; | Bright; | ; | 42.5; | 180; | 27Gam Boo | ; | 3.04; | 8000; | occ; | 85; | 0; | 46211 |
| 5; | -1461.7; | 01-JAN-2011 | 04:32:39; | Bright; | ; | 44.0; | 83; | | ; | 2.38; | 11000; | occ; | 88; | 0; | 46211 |
| 6; | -1265.7; | 01-JAN-2011 | 04:35:55; | Bright; | ; | 54.0; | 3; | 16Alp Boo | ; | -0.05; | 4250; | occ; | 108; | 0; | 46211 |
| 7; | -1145.5; | 01-JAN-2011 | 04:37:55; | Bright; | ; | 54.0; | 102; | 24Alp Ser | ; | 2.60; | 4250; | occ; | 108; | 0; | 46211 |
| 8; | -842.3; | 01-JAN-2011 | 04:42:58; | Bright; | ; | 56.0; | 104; | 27Bet Lib | ; | 2.61; | 13100; | occ; | 112; | 0; | 46211 |
| 9; | -683.2; | 01-JAN-2011 | 04:45:37; | Dark | ; | 45.5; | 122; | 9Alp2Lib | ; | 2.75; | 9700; | occ; | 91; | 0; | 46211 |
| 10; | -270.8; | 01-JAN-2011 | 04:52:30; | Dark | ; | 47.0; | 54; | 5The Cen | ; | 2.06; | 4500; | occ; | 94; | 0; | 46211 |
| 11; | -105.9; | 01-JAN-2011 | 04:55:15; | Dark | ; | 41.5; | 95; | Zet Cen | ; | 2.55; | 26000; | occ; | 83; | 0; | 46211 |
| 12; | -1.7; | 01-JAN-2011 | 04:56:59; | Dark | ; | 40.0; | 77; | Eps Cen | ; | 2.30; | 28000; | occ; | 80; | 0; | 46212 |
| 13; | 103.9; | 01-JAN-2011 | 04:58:44; | Dark | ; | 44.0; | 64; | Gam Cen | ; | 2.20; | 10600; | occ; | 88; | 0; | 46212 |
| 14; | 213.3; | 01-JAN-2011 | 05:00:34; | Dark | ; | 59.5; | 0; | | ; | 0.00; | 0; | occ; | 119; | 0; | 46212 |
| 15; | 472.3; | 01-JAN-2011 | 05:04:53; | Dark | ; | 48.5; | 113; | Mu Vel | ; | 2.69; | 5000; | occ; | 97; | 0; | 46212 |


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16; 625.1; 01-JAN-2011 05:07:26; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;46212
17; 739.0; 01-JAN-2011 05:09:19; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;46212
18; 909.7; 01-JAN-2011 05:12:10; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;46212
19; 1040.6; 01-JAN-2011 05:14:21; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;46212
20; 1164.3; 01-JAN-2011 05:16:25; Dark ; 48.5; 117; Pi Pup ; 2.71; 3800;occ; 97; 0;46212
21; 1331.7; 01-JAN-2011 05:19:12; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;46212
22; 1423.6; 01-JAN-2011 05:20:44; Dark ; 45.5; 179; 240mi2CMA ; 3.03; 24000;occ; 91; 0;46212
23; 1570.7; 01-JAN-2011 05:23:11; Dark ; 54.0; 1; 9Alp CMA ; -1.44; 11000;occ; 108; 0;46212
24; 1720.1; 01-JAN-2011 05:25:41; Dark ; 43.5; 56; 53Kap Ori ; 2.07; 30000;occ; 87; 0;46212
25; 1869.6; 01-JAN-2011 05:28:10; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;46212
26; 2019.7; 01-JAN-2011 05:30:40; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;46212
27; 2213.8; 01-JAN-2011 05:33:54; Dark ; 52.5; 44; 24Gam Gem ; 1.93; 11000;occ; 105; 0;46212
28; 2312.0; 01-JAN-2011 05:35:32; Bright; 60.0; 151; 13Mu Gem ; 2.89; 3000;occ; 120; 0;46212
29; 2551.3; 01-JAN-2011 05:39:32; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46212
30; 2677.3; 01-JAN-2011 05:41:38; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;46212
31; 3671.7; 01-JAN-2011 05:58:12; Bright; 11.5; 60; 7Bet UMi ; 2.08; 3950;occ; 23; 0;46212
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110101_201421_000042723098_00086_46221_2002.N1
1; 914.1; 01-JAN-2011 20:14:21; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;46221
2; 1045.1; 01-JAN-2011 20:16:32; Dark ; 45.5; 70; Zet Pup ; 2.25; 39000;occ; 91; 0;46221
3; 1167.5; 01-JAN-2011 20:18:34; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;46221
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 23; 6763.2; 02-JAN-2011 12:53:56; Dark ; 49.5; 46; Del Vel ; 1.95; 10600;occ; 99; 0;46231
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 26; 7185.1; 02-JAN-2011 13:00:58; Dark ; 47.5; 117; Pi Pup ; 2.71; 3800;occ; 95; 0;46231
 27; 7350.5; 02-JAN-2011 13:03:43; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;46231
 28; 7441.6; 02-JAN-2011 13:05:14; Dark ; 45.0; 179; 240mi2CMA ; 3.03; 24000;occ; 90; 0;46231
 29; 7587.1; 02-JAN-2011 13:07:40; Dark ; 11.0; 1; 9Alp CMA ; -1.44; 11000;occ; 22; 0;46231

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 3; 2019.0; 02-JAN-2011 13:15:06; Dark ; 52.0; 14; 58Alp Ori ; 0.87; 3000;occ; 104; 0;46231
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 8; 3669.7; 02-JAN-2011 13:42:36; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;46231
 9; 3880.5; 02-JAN-2011 13:46:07; Bright; 50.0; 32; 77Eps UMa ; 1.76; 11000;occ; 100; 0;46231
 10; 4082.3; 02-JAN-2011 13:49:29; Bright; 45.0; 39; 85Eta UMa ; 1.85; 24000;occ; 90; 0;46231
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 22; 6504.0; 02-JAN-2011 14:29:51; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46232
 23; 6649.7; 02-JAN-2011 14:32:16; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;46232
 24; 6763.8; 02-JAN-2011 14:34:11; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;46232
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 27; 7185.5; 02-JAN-2011 14:41:12; Dark ; 48.5; 117; Pi Pup ; 2.71; 3800;occ; 97; 0;46232
 28; 7350.9; 02-JAN-2011 14:43:58; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;46232

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 13; 4556.9; 02-JAN-2011 15:37:38; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;46232
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 15; 4875.1; 02-JAN-2011 15:42:56; Bright; 50.5; 102; 24Alp Ser ; 2.60; 4250;occ; 101; 0;46232
 16; 5181.6; 02-JAN-2011 15:48:02; Bright; 57.0; 104; 27Bet Lib ; 2.61; 13100;occ; 114; 0;46232
 17; 5343.8; 02-JAN-2011 15:50:45; Dark ; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;46232
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 23; 6505.0; 02-JAN-2011 16:10:06; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;46233
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 27; 7065.1; 02-JAN-2011 16:19:26; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;46233
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 5; 125.0; 03-JAN-2011 00:25:10; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;46238
 6; 237.5; 03-JAN-2011 00:27:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46238
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 8; 638.7; 03-JAN-2011 00:33:44; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;46238
 9; 752.9; 03-JAN-2011 00:35:38; Dark ; 45.0; 46; Del Vel ; 1.95; 10600;occ; 90; 0;46238
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 12; 1173.5; 03-JAN-2011 00:42:38; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;46238
 13; 1338.2; 03-JAN-2011 00:45:23; Dark ; 47.5; 23; 21Eps CMA ; 1.50; 26000;occ; 95; 0;46238
 14; 1429.0; 03-JAN-2011 00:46:54; Dark ; 38.0; 179; 240mi2CMA ; 3.03; 24000;occ; 76; 0;46238
 15; 1573.7; 03-JAN-2011 00:49:19; Dark ; 54.0; 1; 9Alp CMA ; -1.44; 11000;occ; 108; 0;46238
 16; 2018.5; 03-JAN-2011 00:56:43; Dark ; 50.0; 14; 58Alp Ori ; 0.87; 3000;occ; 100; 0;46238
 17; 2205.4; 03-JAN-2011 00:59:50; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;46238
 18; 2304.3; 03-JAN-2011 01:01:29; Bright; 50.5; 151; 13Mu Gem ; 2.89; 3000;occ; 101; 0;46238
 19; 2545.0; 03-JAN-2011 01:05:30; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;46238
 20; 2675.3; 03-JAN-2011 01:07:40; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;46238
 21; 3669.0; 03-JAN-2011 01:24:14; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;46238
 22; 3877.4; 03-JAN-2011 01:27:42; Bright; 49.0; 32; 77Eps UMa ; 1.76; 11000;occ; 98; 0;46238
 23; 4080.5; 03-JAN-2011 01:31:05; Bright; 44.5; 39; 85Eta UMa ; 1.85; 24000;occ; 89; 0;46238
 24; 4331.7; 03-JAN-2011 01:35:17; Bright; 49.0; 180; 27Gam Boo ; 3.04; 8000;occ; 98; 0;46238
 25; 4558.0; 03-JAN-2011 01:39:03; Bright; 64.0; 83; ; 2.38; 11000;occ; 128; 0;46238
 26; 4760.2; 03-JAN-2011 01:42:25; Bright; 56.5; 3; 16Alp Boo ; -0.05; 4250;occ; 113; 0;46238
 27; 4877.0; 03-JAN-2011 01:44:22; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;46238
 28; 5184.4; 03-JAN-2011 01:49:29; Bright; 32.5; 104; 27Bet Lib ; 2.61; 13100;occ; 65; 0;46238

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 4; -88.9; 03-JAN-2011 02:01:50; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;46238
 5; 13.8; 03-JAN-2011 02:03:33; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;46239
 6; 125.8; 03-JAN-2011 02:05:25; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;46239
 7; 238.4; 03-JAN-2011 02:07:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46239
 8; 496.2; 03-JAN-2011 02:11:35; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;46239
 9; 639.3; 03-JAN-2011 02:13:58; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;46239
 10; 753.4; 03-JAN-2011 02:15:52; Dark ; 46.0; 46; Del Vel ; 1.95; 10600;occ; 92; 0;46239
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 13; 1173.8; 03-JAN-2011 02:22:53; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;46239
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 15; 1429.5; 03-JAN-2011 02:27:08; Dark ; 43.5; 179; 240mi2CMA ; 3.03; 24000;occ; 87; 0;46239
 16; 1573.9; 03-JAN-2011 02:29:33; Dark ; 49.5; 1; 9Alp CMA ; -1.44; 11000;occ; 99; 0;46239
 17; 2018.5; 03-JAN-2011 02:36:57; Dark ; 49.5; 14; 58Alp Ori ; 0.87; 3000;occ; 99; 0;46239
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 19; 2304.1; 03-JAN-2011 02:41:43; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;46239
 20; 2544.8; 03-JAN-2011 02:45:44; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46239
 21; 2675.2; 03-JAN-2011 02:47:54; Bright; 40.0; 6; 13Alp Aur ; 0.08; 3400;occ; 80; 0;46239

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 3; -1933.7; 03-JAN-2011 03:11:19; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;46239
 4; -1682.3; 03-JAN-2011 03:15:31; Bright; 62.0; 180; 27Gam Boo ; 3.04; 8000;occ; 124; 0;46239
 5; -1455.8; 03-JAN-2011 03:19:17; Bright; 64.0; 83; ; 2.38; 11000;occ; 128; 0;46239
 6; -1253.3; 03-JAN-2011 03:22:40; Bright; 56.5; 3; 16Alp Boo ; -0.05; 4250;occ; 113; 0;46239
 7; -1136.8; 03-JAN-2011 03:24:36; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;46239
 8; -829.1; 03-JAN-2011 03:29:44; Bright; 57.0; 104; 27Bet Lib ; 2.61; 13100;occ; 114; 0;46239
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 12; 14.6; 03-JAN-2011 03:43:48; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;46240
 13; 126.9; 03-JAN-2011 03:45:40; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;46240
 14; 239.3; 03-JAN-2011 03:47:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46240
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 16; 639.8; 03-JAN-2011 03:54:13; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;46240

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 20; 1174.3; 03-JAN-2011 04:03:07; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;46240
 21; 1339.1; 03-JAN-2011 04:05:52; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;46240
 22; 1429.7; 03-JAN-2011 04:07:23; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;46240
 23; 1574.2; 03-JAN-2011 04:09:47; Dark ; 49.5; 1; 9Alp CMa ; -1.44; 11000;occ; 99; 0;46240
 24; 2018.9; 03-JAN-2011 04:17:12; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;46240
 25; 2205.2; 03-JAN-2011 04:20:18; Dark ; 44.0; 44; 24Gam Gem ; 1.93; 11000;occ; 88; 0;46240
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 27; 2544.9; 03-JAN-2011 04:25:58; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46240
 28; 2675.5; 03-JAN-2011 04:28:08; Bright; 40.5; 6; 13Alp Aur ; 0.08; 3400;occ; 81; 0;46240
 29; 3668.8; 03-JAN-2011 04:44:42; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;46240

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 39; 7193.0; 04-JAN-2011 03:26:28; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0;46254
 40; 7356.7; 04-JAN-2011 03:29:12; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;46254
 41; 7446.9; 04-JAN-2011 03:30:42; Dark ; 42.5; 179; 24Omi2CMA ; 3.03; 24000;occ; 85; 0;46254
 42; 7589.9; 04-JAN-2011 03:33:05; Dark ; 50.5; 1; 9Alp CMA ; -1.44; 11000;occ; 101; 0;46254
 43; 8032.5; 04-JAN-2011 03:40:28; Dark ; 50.0; 14; 58Alp Ori ; 0.87; 3000;occ; 100; 0;46254
 44; 8215.3; 04-JAN-2011 03:43:31; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;46254
 45; 8314.5; 04-JAN-2011 03:45:10; Bright; 44.5; 151; 13Mu Gem ; 2.89; 3000;occ; 89; 0;46254
 46; 8556.1; 04-JAN-2011 03:49:11; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;46254
 47; 8688.9; 04-JAN-2011 03:51:24; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;46254

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 2; -2144.1; 04-JAN-2011 05:51:33; Bright; 30.0; 32; 77Eps UMa ; 1.76; 11000;occ; 60; 0;46255
 3; -2079.8; 04-JAN-2011 05:52:38; Bright; 44.5; 55; 79Zet UMa ; 2.06; 10200;occ; 89; 0;46255
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 5; -1682.0; 04-JAN-2011 05:59:15; Bright; 59.5; 180; 27Gam Boo ; 3.04; 8000;occ; 119; 0;46255
 6; -1452.3; 04-JAN-2011 06:03:05; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;46255
 7; -1131.6; 04-JAN-2011 06:08:26; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;46255
 8; -820.9; 04-JAN-2011 06:13:36; Bright; 56.0; 104; 27Bet Lib ; 2.61; 13100;occ; 112; 0;46255
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 12; 24.0; 04-JAN-2011 06:27:41; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;46256
 13; 140.2; 04-JAN-2011 06:29:38; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;46256
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 17; 762.4; 04-JAN-2011 06:40:00; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;46256
 18; 931.6; 04-JAN-2011 06:42:49; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;46256
 19; 1061.8; 04-JAN-2011 06:44:59; Dark ; 47.5; 70; Zet Pup ; 2.25; 39000;occ; 95; 0;46256
 20; 1179.7; 04-JAN-2011 06:46:57; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;46256
 21; 1343.1; 04-JAN-2011 06:49:40; Dark ; 44.5; 23; 21Eps CMA ; 1.50; 26000;occ; 89; 0;46256
 22; 1433.2; 04-JAN-2011 06:51:11; Dark ; 41.0; 179; 24Omi2CMA ; 3.03; 24000;occ; 82; 0;46256
 23; 1576.3; 04-JAN-2011 06:53:34; Dark ; 49.5; 1; 9Alp CMA ; -1.44; 11000;occ; 99; 0;46256
 24; 2018.5; 04-JAN-2011 07:00:56; Dark ; 51.0; 14; 58Alp Ori ; 0.87; 3000;occ; 102; 0;46256
 25; 2201.0; 04-JAN-2011 07:03:58; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;46256
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 28; 2674.5; 04-JAN-2011 07:11:52; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;46256
 29; 3666.8; 04-JAN-2011 07:28:24; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46256

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 2; 1065.4; 04-JAN-2011 20:06:55; Dark ; 48.0; 70; Zet Pup ; 2.25; 39000;occ; 96; 0;46264
 3; 1182.3; 04-JAN-2011 20:08:52; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;46264
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16; 4563.7; 04-JAN-2011 21:05:13; Bright; 65.0; 83; ; 2.38; 11000;occ; 130; 0;46264
17; 4885.5; 04-JAN-2011 21:10:35; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;46264
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3; -230.7; 04-JAN-2011 21:25:33; Dark ; 50.5; 54; 5The Cen ; 2.06; 4500;occ; 101; 0;46264
4; -71.9; 04-JAN-2011 21:28:12; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;46264
5; 29.4; 04-JAN-2011 21:29:53; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;46265
6; 147.6; 04-JAN-2011 21:31:51; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;46265
7; 262.7; 04-JAN-2011 21:33:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46265
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9; 652.9; 04-JAN-2011 21:40:16; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46265
10; 766.8; 04-JAN-2011 21:42:10; Dark ; 48.0; 46; Del Vel ; 1.95; 10600;occ; 96; 0;46265
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12; 1066.1; 04-JAN-2011 21:47:10; Dark ; 47.5; 70; Zet Pup ; 2.25; 39000;occ; 95; 0;46265
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26; 4563.9; 04-JAN-2011 22:45:27; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;46265
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28; 5198.1; 04-JAN-2011 22:56:02; Bright; 50.0; 104; 27Bet Lib ; 2.61; 13100;occ; 100; 0;46265

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5; -1452.1; 04-JAN-2011 07:43:19; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;46256
6; -1131.2; 04-JAN-2011 07:48:40; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;46256
7; -820.6; 04-JAN-2011 07:53:51; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;46256
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9; -236.7; 04-JAN-2011 08:03:35; Dark ; 46.0; 54; 5The Cen ; 2.06; 4500;occ; 92; 0;46256
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16; 762.9; 04-JAN-2011 08:20:14; Dark ; 44.0; 46; Del Vel ; 1.95; 10600;occ; 88; 0;46257
17; 931.9; 04-JAN-2011 08:23:03; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;46257
18; 1062.4; 04-JAN-2011 08:25:14; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;46257
19; 1180.1; 04-JAN-2011 08:27:11; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;46257
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3; 2200.8; 04-JAN-2011 08:44:12; Dark ; 40.5; 44; 24Gam Gem ; 1.93; 11000;occ; 81; 0;46257
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5; 2541.5; 04-JAN-2011 08:49:53; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;46257
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10; 4076.1; 04-JAN-2011 09:15:28; Bright; 68.0; 39; 85Eta UMa ; 1.85; 24000;occ; 136; 0;46257
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17; 5937.5; 04-JAN-2011 09:46:29; Dark ; 42.5; 95; Zet Cen ; 2.55; 26000;occ; 85; 0;46257
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22; 6663.3; 04-JAN-2011 09:58:35; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46258
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11; 4562.3; 04-JAN-2011 11:03:48; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;46258
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3; 2187.5; 08-JAN-2011 12:58:00; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;46317
4; 2288.1; 08-JAN-2011 12:59:40; Bright; 43.5; 151; 13Mu Gem ; 2.89; 3000;occ; 87; 0;46317
5; 2532.2; 08-JAN-2011 13:03:45; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;46317
6; 2664.4; 08-JAN-2011 13:05:57; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;46317
7; 3659.2; 08-JAN-2011 13:22:32; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46317
8; 3905.0; 08-JAN-2011 13:26:37; Bright; 34.0; 119; 14Eta Dra ; 2.73; 4700;occ; 68; 0;46317
9; 4332.4; 08-JAN-2011 13:33:45; Bright; 56.5; 180; 27Gam Boo ; 3.04; 8000;occ; 113; 0;46317
10; 4576.1; 08-JAN-2011 13:37:48; Bright; 48.0; 83; ; 2.38; 11000;occ; 96; 0;46317
11; 4904.6; 08-JAN-2011 13:43:17; Bright; 56.5; 102; 24Alp Ser ; 2.60; 4250;occ; 113; 0;46317
12; 5227.5; 08-JAN-2011 13:48:40; Dark ; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;46317
13; 5403.4; 08-JAN-2011 13:51:36; Dark ; 47.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 94; 0;46317
14; 5827.7; 08-JAN-2011 13:58:40; Dark ; 56.0; 54; 5The Cen ; 2.06; 4500;occ; 112; 0;46317
15; 5979.0; 08-JAN-2011 14:01:11; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;46317
16; 6076.3; 08-JAN-2011 14:02:49; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;46318

17; 6237.8; 08-JAN-2011 14:05:30; Dark ; 40.5; 20; Bet Cru ; 1.25; 3000;occ; 81; 0;46318
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 19; 6578.1; 08-JAN-2011 14:11:10; Dark ; 48.5; 113; Mu Vel ; 2.69; 5000;occ; 97; 0;46318
 20; 6693.7; 08-JAN-2011 14:13:06; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46318
 21; 6807.1; 08-JAN-2011 14:14:59; Dark ; 49.5; 46; Del Vel ; 1.95; 10600;occ; 99; 0;46318
 22; 6973.7; 08-JAN-2011 14:17:46; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;46318
 23; 7103.5; 08-JAN-2011 14:19:56; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;46318
 24; 7213.9; 08-JAN-2011 14:21:46; Dark ; 49.0; 117; Pi Pup ; 2.71; 3800;occ; 98; 0;46318
 25; 7372.3; 08-JAN-2011 14:24:25; Dark ; 44.0; 23; 21Eps CMA ; 1.50; 26000;occ; 88; 0;46318
 26; 7460.1; 08-JAN-2011 14:25:52; Dark ; 43.0; 179; 240mi2CMA ; 3.03; 24000;occ; 86; 0;46318

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 3; 2027.2; 08-JAN-2011 14:35:34; Dark ; 44.0; 8; 10Alp CMI ; 0.40; 6500;occ; 88; 0;46318
 4; 2187.3; 08-JAN-2011 14:38:14; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;46318
 5; 2288.0; 08-JAN-2011 14:39:54; Bright; 43.0; 151; 13Mu Gem ; 2.89; 3000;occ; 86; 0;46318
 6; 2532.3; 08-JAN-2011 14:43:59; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46318
 7; 2664.4; 08-JAN-2011 14:46:11; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0;46318
 8; 3659.1; 08-JAN-2011 15:02:45; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;46318
 9; 3904.9; 08-JAN-2011 15:06:51; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;46318
 10; 4332.7; 08-JAN-2011 15:13:59; Bright; 47.0; 180; 27Gam Boo ; 3.04; 8000;occ; 94; 0;46318
 11; 4576.5; 08-JAN-2011 15:18:03; Bright; 49.0; 83; ; 2.38; 11000;occ; 98; 0;46318
 12; 4905.1; 08-JAN-2011 15:23:31; Bright; 58.0; 102; 24Alp Ser ; 2.60; 4250;occ; 116; 0;46318
 13; 5228.1; 08-JAN-2011 15:28:54; Dark ; 47.5; 104; 27Bet Lib ; 2.61; 13100;occ; 95; 0;46318
 14; 5404.4; 08-JAN-2011 15:31:51; Dark ; 48.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 96; 0;46318
 15; 5828.5; 08-JAN-2011 15:38:55; Dark ; 47.0; 54; 5The Cen ; 2.06; 4500;occ; 94; 0;46318
 16; 5979.8; 08-JAN-2011 15:41:26; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;46318
 17; 6077.2; 08-JAN-2011 15:43:03; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;46319
 18; 6238.2; 08-JAN-2011 15:45:44; Dark ; 41.0; 20; Bet Cru ; 1.25; 30000;occ; 82; 0;46319
 19; 6327.6; 08-JAN-2011 15:47:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46319
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 21; 6694.2; 08-JAN-2011 15:53:21; Dark ; 46.5; 71; Iot Car ; 2.25; 7700;occ; 93; 0;46319
 22; 6807.5; 08-JAN-2011 15:55:14; Dark ; 45.5; 46; Del Vel ; 1.95; 10600;occ; 91; 0;46319
 23; 6974.0; 08-JAN-2011 15:58:00; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;46319
 24; 7103.9; 08-JAN-2011 16:00:10; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;46319
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 3; 1584.3; 08-JAN-2011 16:08:25; Dark ; 53.0; 1; 9Alp CMA ; -1.44; 11000;occ; 106; 0;46319
 4; 2026.9; 08-JAN-2011 16:15:47; Dark ; 44.0; 8; 10Alp CMI ; 0.40; 6500;occ; 88; 0;46319
 5; 2187.1; 08-JAN-2011 16:18:27; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;46319
 6; 2287.7; 08-JAN-2011 16:20:08; Bright; 44.5; 151; 13Mu Gem ; 2.89; 3000;occ; 89; 0;46319
 7; 2532.1; 08-JAN-2011 16:24:12; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;46319
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 9; 3658.9; 08-JAN-2011 16:42:59; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46319
 10; 3904.9; 08-JAN-2011 16:47:05; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;46319
 11; 4332.5; 08-JAN-2011 16:54:13; Bright; 68.0; 180; 27Gam Boo ; 3.04; 8000;occ; 136; 0;46319
 12; 4576.7; 08-JAN-2011 16:58:17; Bright; 69.0; 83; ; 2.38; 11000;occ; 138; 0;46319
 13; 4905.4; 08-JAN-2011 17:03:46; Bright; 58.0; 102; 24Alp Ser ; 2.60; 4250;occ; 116; 0;46319
 14; 5228.7; 08-JAN-2011 17:09:09; Dark ; 46.0; 104; 27Bet Lib ; 2.61; 13100;occ; 92; 0;46319
 15; 5404.9; 08-JAN-2011 17:12:05; Dark ; 47.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 95; 0;46319
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 17; 5980.5; 08-JAN-2011 17:21:41; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;46319
 18; 6077.8; 08-JAN-2011 17:23:18; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;46320
 19; 6238.8; 08-JAN-2011 17:25:59; Dark ; 41.5; 20; Bet Cru ; 1.25; 30000;occ; 83; 0;46320
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 22; 6694.8; 08-JAN-2011 17:33:35; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;46320
 23; 6808.1; 08-JAN-2011 17:35:28; Dark ; 47.5; 46; Del Vel ; 1.95; 10600;occ; 95; 0;46320
 24; 6974.7; 08-JAN-2011 17:38:15; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;46320
 25; 7104.4; 08-JAN-2011 17:40:25; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;46320
 26; 7214.5; 08-JAN-2011 17:42:15; Dark ; 12.5; 117; Pi Pup ; 2.71; 3800;occ; 25; 0;46320

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 3; 1446.2; 08-JAN-2011 17:46:21; Dark ; 43.5; 179; 240mi2CMA ; 3.03; 24000;occ; 87; 0;46320
 4; 1584.4; 08-JAN-2011 17:48:39; Dark ; 47.5; 1; 9Alp CMA ; -1.44; 11000;occ; 95; 0;46320

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6; 2186.9; 08-JAN-2011 17:58:41; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;46320
7; 2287.6; 08-JAN-2011 18:00:22; Bright; 46.0; 151; 13Mu Gem ; 2.89; 3000;occ; 92; 0;46320
8; 2531.8; 08-JAN-2011 18:04:26; Bright; 36.5; 107; 37The Aur ; 2.65; 11000;occ; 73; 0;46320
9; 2664.2; 08-JAN-2011 18:06:39; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;46320
10; 3658.7; 08-JAN-2011 18:23:13; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;46320
11; 3904.7; 08-JAN-2011 18:27:19; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;46320
12; 4332.5; 08-JAN-2011 18:34:27; Bright; 46.5; 180; 27Gam Boo ; 3.04; 8000;occ; 93; 0;46320
13; 4576.9; 08-JAN-2011 18:38:31; Bright; 69.0; 83; ; 2.38; 11000;occ; 138; 0;46320
14; 4905.7; 08-JAN-2011 18:44:00; Bright; 58.0; 102; 24Alp Ser ; 2.60; 4250;occ; 116; 0;46320
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16; 5405.8; 08-JAN-2011 18:52:20; Dark ; 51.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 103; 0;46320
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18; 5981.3; 08-JAN-2011 19:01:56; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;46320
19; 6078.3; 08-JAN-2011 19:03:33; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;46321
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22; 6580.8; 08-JAN-2011 19:11:55; Dark ; 50.0; 113; Mu Vel ; 2.69; 5000;occ; 100; 0;46321
23; 6695.3; 08-JAN-2011 19:13:50; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46321
24; 6808.5; 08-JAN-2011 19:15:43; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;46321
25; 6975.0; 08-JAN-2011 19:18:29; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;46321

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3; 1200.6; 08-JAN-2011 19:22:29; Dark ; 48.5; 117; Pi Pup ; 2.71; 3800;occ; 97; 0;46321
4; 1359.0; 08-JAN-2011 19:25:08; Dark ; 44.5; 23; 21Eps CMA ; 1.50; 26000;occ; 89; 0;46321
5; 1446.5; 08-JAN-2011 19:26:35; Dark ; 42.5; 179; 240mi2CMA ; 3.03; 24000;occ; 85; 0;46321
6; 1584.6; 08-JAN-2011 19:28:53; Dark ; 47.0; 1; 9Alp CMA ; -1.44; 11000;occ; 94; 0;46321
7; 2026.1; 08-JAN-2011 19:36:15; Dark ; 51.0; 8; 10Alp CMI ; 0.40; 6500;occ; 102; 0;46321
8; 2186.7; 08-JAN-2011 19:38:55; Dark ; 39.5; 44; 24Gam Gem ; 1.93; 11000;occ; 79; 0;46321
9; 2287.4; 08-JAN-2011 19:40:36; Bright; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;46321
10; 2531.7; 08-JAN-2011 19:44:40; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;46321
11; 2664.1; 08-JAN-2011 19:46:53; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;46321
12; 3658.6; 08-JAN-2011 20:03:27; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;46321
13; 3904.8; 08-JAN-2011 20:07:33; Bright; 35.5; 119; 14Eta Dra ; 2.73; 4700;occ; 71; 0;46321
14; 4332.3; 08-JAN-2011 20:14:41; Bright; 45.0; 180; 27Gam Boo ; 3.04; 8000;occ; 90; 0;46321
15; 4577.1; 08-JAN-2011 20:18:46; Bright; 50.0; 83; ; 2.38; 11000;occ; 100; 0;46321
16; 4906.0; 08-JAN-2011 20:24:15; Bright; 58.0; 102; 24Alp Ser ; 2.60; 4250;occ; 116; 0;46321
17; 5229.9; 08-JAN-2011 20:29:38; Dark ; 46.0; 104; 27Bet Lib ; 2.61; 13100;occ; 92; 0;46321
18; 5406.4; 08-JAN-2011 20:32:35; Dark ; 48.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 97; 0;46321
19; 5831.1; 08-JAN-2011 20:39:40; Dark ; 45.5; 54; 5The Cen ; 2.06; 4500;occ; 91; 0;46321
20; 5981.9; 08-JAN-2011 20:42:10; Dark ; 43.5; 95; Zet Cen ; 2.55; 26000;occ; 87; 0;46321
21; 6078.9; 08-JAN-2011 20:43:47; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;46322
22; 6239.9; 08-JAN-2011 20:46:28; Dark ; 43.5; 20; Bet Cru ; 1.25; 30000;occ; 87; 0;46322
23; 6330.4; 08-JAN-2011 20:47:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46322
24; 6581.3; 08-JAN-2011 20:52:10; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;46322
25; 6695.4; 08-JAN-2011 20:54:04; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;46322
26; 6808.9; 08-JAN-2011 20:55:57; Dark ; 47.5; 46; Del Vel ; 1.95; 10600;occ; 95; 0;46322
27; 6975.4; 08-JAN-2011 20:58:44; Dark ; 40.5; 34; Gam2Vel ; 1.79; 23000;occ; 81; 0;46322

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3; -227.1; 09-JAN-2011 01:39:37; Dark ; 41.5; 109; Bet Lup ; 2.68; 26000;occ; 83; 0;46324
4; -137.2; 09-JAN-2011 01:41:07; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;46324
5; -30.0; 09-JAN-2011 01:42:54; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;46324
6; 66.7; 09-JAN-2011 01:44:31; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;46325
7; 227.7; 09-JAN-2011 01:47:12; Dark ; 44.5; 20; Bet Cru ; 1.25; 30000;occ; 89; 0;46325
8; 319.2; 09-JAN-2011 01:48:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46325
9; 570.1; 09-JAN-2011 01:52:55; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;46325
10; 683.1; 09-JAN-2011 01:54:47; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46325
11; 796.3; 09-JAN-2011 01:56:41; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;46325
12; 962.6; 09-JAN-2011 01:59:27; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;46325
13; 1092.2; 09-JAN-2011 02:01:37; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;46325
14; 1201.9; 09-JAN-2011 02:03:26; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;46325
15; 1359.8; 09-JAN-2011 02:06:04; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;46325
16; 1447.1; 09-JAN-2011 02:07:32; Dark ; 41.5; 179; 240mi2CMA ; 3.03; 24000;occ; 83; 0;46325
17; 1585.0; 09-JAN-2011 02:09:49; Dark ; 48.5; 1; 9Alp CMA ; -1.44; 11000;occ; 97; 0;46325
18; 2024.7; 09-JAN-2011 02:17:09; Dark ; 64.0; 8; 10Alp CMI ; 0.40; 6500;occ; 128; 0;46325

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22; 2663.5; 09-JAN-2011 02:27:48; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0;46325
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2; -2109.3; 09-JAN-2011 02:48:29; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;46325
3; -1681.8; 09-JAN-2011 02:55:37; Bright; 45.5; 180; 27Gam Boo ; 3.04; 8000;occ; 91; 0;46325
4; -1436.0; 09-JAN-2011 02:59:42; Bright; 70.0; 83; ; 2.38; 11000;occ; 140; 0;46325
5; -1106.3; 09-JAN-2011 03:05:12; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;46325
6; -781.8; 09-JAN-2011 03:10:37; Dark ; 45.5; 104; 27Bet Lib ; 2.61; 13100;occ; 91; 0;46325
7; -604.3; 09-JAN-2011 03:13:34; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;46325
8; -226.6; 09-JAN-2011 03:19:52; Dark ; 40.0; 109; Bet Lup ; 2.68; 26000;occ; 80; 0;46325
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 6; 3617.8; 24-JAN-2011 20:16:30; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;46551
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