

GOMOS Daily Report 30-NOV-2009

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 | 03DEC2009 04:56:55 |
| Data source version | GOMOS/5.00L04 |
| Start time of products | 30NOV2009 00:00:58 |
| Stop time of products | 30NOV2009 23:52:04 |
| Store outputs in DB | Yes |
| Nb of level 1b prods | 138 |
| Nb of prods with errors | 2 |

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

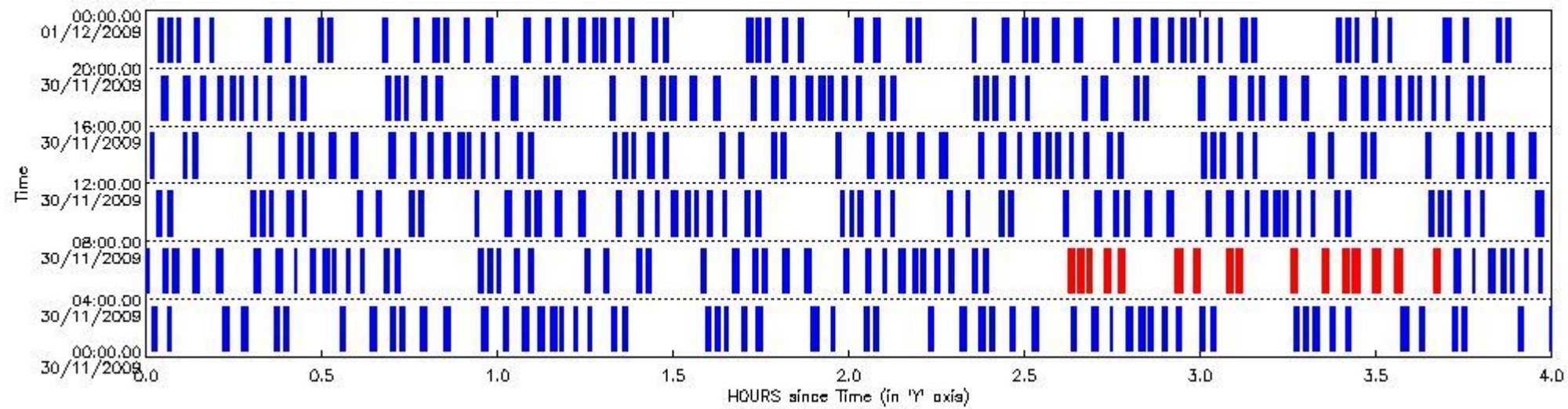
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

| UTC start time | Star name | Star ID | Orbit |
|----------------------|-----------|---------|-------|
| 30-NOV-2009 06:37:23 | 50AlpUMa | 36 | 40526 |
| 30-NOV-2009 06:38:59 | 48BetUMa | 82 | 40526 |
| 30-NOV-2009 06:40:33 | 77EpsUMa | 32 | 40526 |
| 30-NOV-2009 06:43:28 | 52PsiUMa | 174 | 40526 |
| 30-NOV-2009 06:46:05 | 12Alp2CVn | 152 | 40526 |
| 30-NOV-2009 06:55:33 | 94BetLeo | 62 | 40526 |
| 30-NOV-2009 06:58:51 | 29GamVir | 121 | 40526 |
| 30-NOV-2009 07:04:29 | 4GamCrv | 100 | 40526 |
| 30-NOV-2009 07:06:04 | 2EpsCrv | 171 | 40526 |
| 30-NOV-2009 07:15:33 | MuVel | 113 | 40527 |
| 30-NOV-2009 07:20:52 | DSA1030 | 0 | 40527 |
| 30-NOV-2009 07:24:09 | Gam2Vel | 34 | 40527 |
| 30-NOV-2009 07:25:53 | ZetPup | 70 | 40527 |
| 30-NOV-2009 07:29:24 | PiPup | 117 | 40527 |
| 30-NOV-2009 07:33:13 | 21EpsCMa | 23 | 40527 |

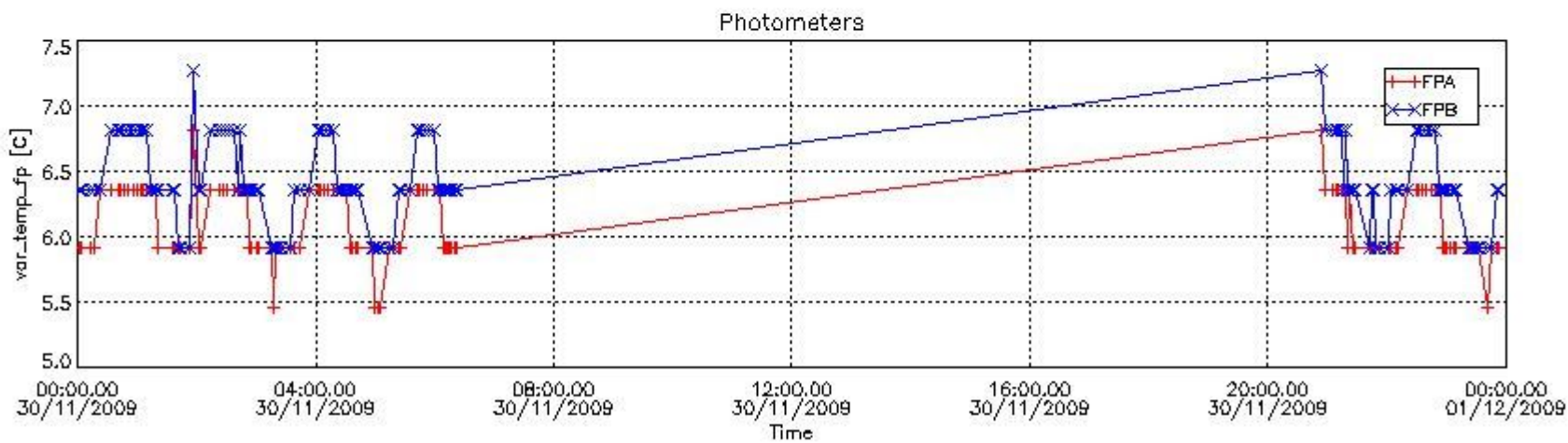
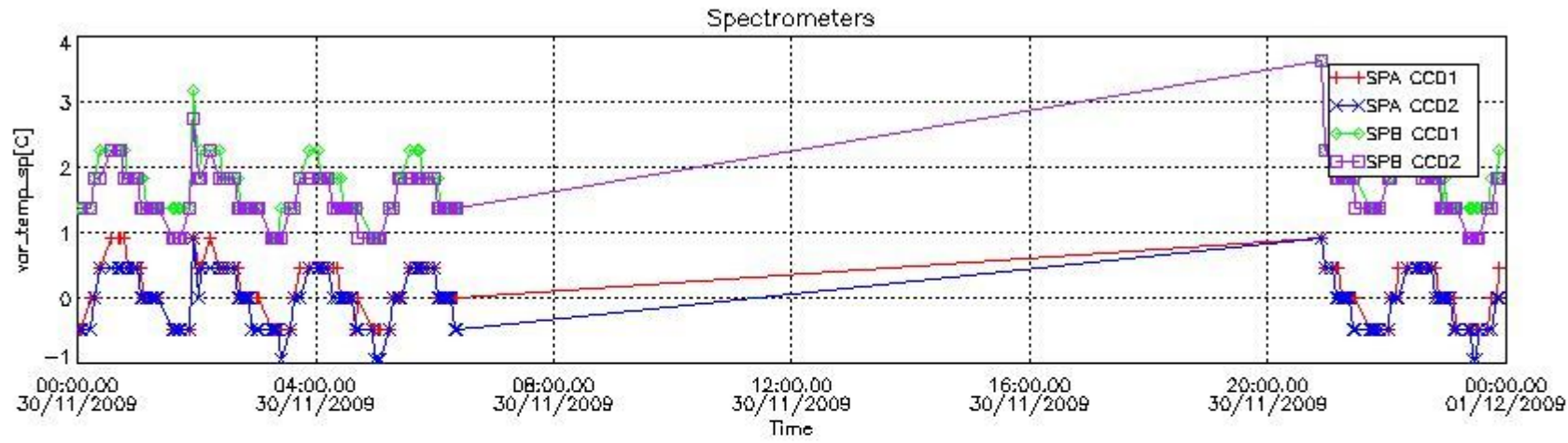
2.4 Summary of processed GOM_TRA_1P products

| Nr | Filename | UTC Start time | Limb | Duration | Star Id | Star Name | Star Mag | Star Temp | Nb Meas | Orbit | Prod. error |
|----|--|----------------------|--------------------|----------|---------|-----------|----------|-----------|---------|-------|-------------|
| 1 | GOM_TRA_1PNPDE20091130_000058_000000502084_00388_40522_5429.N1 | 30-NOV-2009 00:00:58 | Bright | 50.000 | 174 | 52Psi UMa | 3.0040 | 4400.0 | 100 | 40522 | No |
| 2 | GOM_TRA_1PNPDE20091130_000334_000000362084_00388_40522_5430.N1 | 30-NOV-2009 00:03:34 | Bright | 35.500 | 152 | 12Alp2CVn | 2.8900 | 11000. | 71 | 40522 | No |
| 3 | GOM_TRA_1PNPDE20091130_001259_000000682084_00388_40522_5431.N1 | 30-NOV-2009 00:12:59 | Bright | 67.500 | 62 | 94Bet Leo | 2.1360 | 9700.0 | 135 | 40522 | No |
| 4 | GOM_TRA_1PNPDE20091130_001618_000000612084_00388_40522_5432.N1 | 30-NOV-2009 00:16:18 | Bright | 60.500 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 121 | 40522 | No |
| 5 | GOM_TRA_1PNPDE20091130_002155_000000432084_00388_40522_5429.N1 | 30-NOV-2009 00:21:55 | Twilight | 43.000 | 100 | 4Gam Crv | 2.5800 | 13100. | 86 | 40522 | No |
| 6 | GOM_TRA_1PNPDE20091130_002330_000000492084_00388_40522_5430.N1 | 30-NOV-2009 00:23:30 | Dark | 49.000 | 171 | 2Eps Crv | 3.0010 | 4250.0 | 98 | 40522 | No |
| 7 | GOM_TRA_1PNPDE20091130_003259_000000542084_00389_40523_5431.N1 | 30-NOV-2009 00:32:59 | Dark | 53.500 | 113 | Mu Vel | 2.6920 | 5000.0 | 107 | 40523 | No |
| 8 | GOM_TRA_1PNPDE20091130_004135_000000532084_00389_40523_5432.N1 | 30-NOV-2009 00:41:35 | Dark | 52.500 | 34 | Gam2Vel | 1.7930 | 23000. | 105 | 40523 | No |
| 9 | GOM_TRA_1PNPDE20091130_004318_000000562084_00389_40523_5433.N1 | 30-NOV-2009 00:43:18 | Dark | 55.500 | 70 | Zet Pup | 2.2460 | 39000. | 111 | 40523 | No |
| 10 | GOM_TRA_1PNPDE20091130_004649_000000702084_00389_40523_5434.N1 | 30-NOV-2009 00:46:49 | Dark | 69.500 | 117 | Pi Pup | 2.7060 | 3800.0 | 139 | 40523 | No |
| 11 | GOM_TRA_1PNPDE20091130_005039_000000662084_00389_40523_5435.N1 | 30-NOV-2009 00:50:39 | Dark | 66.000 | 23 | 21Eps CMa | 1.5020 | 26000. | 132 | 40523 | No |
| 12 | GOM_TRA_1PNPDE20091130_005716_000000562084_00389_40523_5436.N1 | 30-NOV-2009 00:57:16 | Straylight | 55.500 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 111 | 40523 | No |
| 13 | GOM_TRA_1PNPDE20091130_010056_000000592084_00389_40523_5437.N1 | 30-NOV-2009 01:00:56 | Straylight | 58.500 | 7 | 19Bet Ori | 0.10000 | 14000. | 117 | 40523 | No |
| 14 | GOM_TRA_1PNPDE20091130_010418_000000552084_00389_40523_5438.N1 | 30-NOV-2009 01:04:18 | Twilight_and_stray | 55.000 | 72 | 34Del Ori | 2.2500 | 30000. | 110 | 40523 | No |
| 15 | GOM_TRA_1PNPDE20091130_010647_000000632084_00389_40523_5439.N1 | 30-NOV-2009 01:06:47 | Twilight_and_stray | 62.500 | 27 | 24Gam Ori | 1.6360 | 26000. | 125 | 40523 | No |
| 16 | GOM_TRA_1PNPDE20091130_010900_000000642084_00389_40523_5440.N1 | 30-NOV-2009 01:09:00 | Bright | 64.000 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 128 | 40523 | No |
| 17 | GOM_TRA_1PNPDE20091130_011033_000000402084_00389_40523_5441.N1 | 30-NOV-2009 01:10:33 | Bright | 40.000 | 146 | 25Eta Tau | 2.8730 | 15200. | 80 | 40523 | No |
| 18 | GOM_TRA_1PNPDE20091130_011256_000000402084_00389_40523_5442.N1 | 30-NOV-2009 01:12:56 | Bright | 40.000 | 150 | 44Zet Per | 2.8900 | 28000. | 80 | 40523 | No |
| 19 | GOM_TRA_1PNPDE20091130_011522_000000392084_00389_40523_5443.N1 | 30-NOV-2009 01:15:22 | Bright | 38.500 | 149 | 45Eps Per | 2.8880 | 30000. | 77 | 40523 | No |
| 20 | GOM_TRA_1PNPDE20091130_011920_000000532084_00389_40523_5444.N1 | 30-NOV-2009 01:19:20 | Bright | 53.000 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 106 | 40523 | No |
| 21 | GOM_TRA_1PNPDE20091130_012114_000000532084_00389_40523_5445.N1 | 30-NOV-2009 01:21:14 | Bright | 52.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 105 | 40523 | No |
| 22 | GOM_TRA_1PNPDE20091130_013528_000000442084_00389_40523_5446.N1 | 30-NOV-2009 01:35:28 | Bright | 44.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 88 | 40523 | No |
| 23 | GOM_TRA_1PNPDE20091130_013705_000000482084_00389_40523_5447.N1 | 30-NOV-2009 01:37:05 | Bright | 47.500 | 82 | 48Bet UMa | 2.3650 | 10600. | 95 | 40523 | No |
| 24 | GOM_TRA_1PNPDE20091130_013838_000000402084_00389_40523_5448.N1 | 30-NOV-2009 01:38:38 | Bright | 39.500 | 32 | 77Eps UMa | 1.7630 | 11000. | 79 | 40523 | No |
| 25 | GOM_TRA_1PNPDE20091130_014133_000000522084_00389_40523_5449.N1 | 30-NOV-2009 01:41:33 | Bright | 52.000 | 174 | 52Psi UMa | 3.0040 | 4400.0 | 104 | 40523 | No |
| 26 | GOM_TRA_1PNPDE20091130_014410_000000582084_00389_40523_5450.N1 | 30-NOV-2009 01:44:10 | Bright | 58.000 | 152 | 12Alp2CVn | 2.8900 | 11000. | 116 | 40523 | No |
| 27 | GOM_TRA_1PNPDE20091130_015336_000000782084_00389_40523_5451.N1 | 30-NOV-2009 01:53:36 | Bright | 78.000 | 62 | 94Bet Leo | 2.1360 | 9700.0 | 156 | 40523 | No |
| 28 | GOM_TRA_1PNPDE20091130_015655_000000382084_00389_40523_5449.N1 | 30-NOV-2009 01:56:55 | Bright | 37.500 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 75 | 40523 | Yes |
| 29 | GOM_TRA_1PNPDE20091130_020232_000000492084_00389_40523_5450.N1 | 30-NOV-2009 02:02:32 | Twilight | 49.000 | 100 | 4Gam Crv | 2.5800 | 13100. | 98 | 40523 | No |
| 30 | GOM_TRA_1PNPDE20091130_020407_000000502084_00389_40523_5451.N1 | 30-NOV-2009 02:04:07 | Dark | 49.500 | 171 | 2Eps Crv | 3.0010 | 4250.0 | 99 | 40523 | No |
| 31 | GOM_TRA_1PNPDE20091130_021336_000000452084_00390_40524_5452.N1 | 30-NOV-2009 02:13:36 | Dark | 44.500 | 113 | Mu Vel | 2.6920 | 5000.0 | 89 | 40524 | No |
| 32 | GOM_TRA_1PNPDE20091130_022212_000000582084_00390_40524_5453.N1 | 30-NOV-2009 02:22:12 | Dark | 57.500 | 34 | Gam2Vel | 1.7930 | 23000. | 115 | 40524 | No |
| 33 | GOM_TRA_1PNPDE20091130_022355_000000552084_00390_40524_5454.N1 | 30-NOV-2009 02:23:55 | Dark | 55.000 | 70 | Zet Pup | 2.2460 | 39000. | 110 | 40524 | No |
| 34 | GOM_TRA_1PNPDE20091130_022726_000000582084_00390_40524_5455.N1 | 30-NOV-2009 02:27:26 | Dark | 58.000 | 117 | Pi Pup | 2.7060 | 3800.0 | 116 | 40524 | No |
| 35 | GOM_TRA_1PNPDE20091130_023116_000000682084_00390_40524_5456.N1 | 30-NOV-2009 02:31:16 | Dark | 67.500 | 23 | 21Eps CMa | 1.5020 | 26000. | 135 | 40524 | No |
| 36 | GOM_TRA_1PNPDE20091130_023752_000000562084_00390_40524_5457.N1 | 30-NOV-2009 02:37:52 | Straylight | 56.000 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 112 | 40524 | No |
| 37 | GOM_TRA_1PNPDE20091130_024132_000000592084_00390_40524_5458.N1 | 30-NOV-2009 02:41:32 | Straylight | 58.500 | 7 | 19Bet Ori | 0.10000 | 14000. | 117 | 40524 | No |
| 38 | GOM_TRA_1PNPDE20091130_024437_000000252084_00390_40524_5459.N1 | 30-NOV-2009 02:44:37 | Twilight_and_stray | 25.000 | 30 | 46Eps Ori | 1.6940 | 30000. | 50 | 40524 | No |
| 39 | GOM_TRA_1PNPDE20091130_024722_000000632084_00390_40524_5460.N1 | 30-NOV-2009 02:47:22 | Twilight_and_stray | 63.000 | 27 | 24Gam Ori | 1.6360 | 26000. | 126 | 40524 | No |
| 40 | GOM_TRA_1PNPDE20091130_024935_000000552084_00390_40524_5461.N1 | 30-NOV-2009 02:49:35 | Bright | 55.000 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 110 | 40524 | No |
| 41 | GOM_TRA_1PNPDE20091130_025109_000000402084_00390_40524_5462.N1 | 30-NOV-2009 02:51:09 | Bright | 40.000 | 146 | 25Eta Tau | 2.8730 | 15200. | 80 | 40524 | No |
| 42 | GOM_TRA_1PNPDE20091130_025332_000000402084_00390_40524_5463.N1 | 30-NOV-2009 02:53:32 | Bright | 39.500 | 150 | 44Zet Per | 2.8900 | 28000. | 79 | 40524 | No |
| 43 | GOM_TRA_1PNPDE20091130_025558_000000382084_00390_40524_5464.N1 | 30-NOV-2009 02:55:58 | Bright | 38.000 | 149 | 45Eps Per | 2.8880 | 30000. | 76 | 40524 | No |
| 44 | GOM_TRA_1PNPDE20091130_025955_000000522084_00390_40524_5465.N1 | 30-NOV-2009 02:59:55 | Bright | 51.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 103 | 40524 | No |
| 45 | GOM_TRA_1PNPDE20091130_030149_000000532084_00390_40524_5466.N1 | 30-NOV-2009 03:01:49 | Bright | 52.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 105 | 40524 | No |
| 46 | GOM_TRA_1PNPDE20091130_031604_000000492084_00390_40524_5467.N1 | 30-NOV-2009 03:16:04 | Bright | 49.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 98 | 40524 | No |
| 47 | GOM_TRA_1PNPDE20091130_031741_000000482084_00390_40524_5472.N1 | 30-NOV-2009 03:17:41 | Bright | 48.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 96 | 40524 | No |
| 48 | GOM_TRA_1PNPDE20091130_031914_000000562084_00390_40524_5473.N1 | 30-NOV-2009 03:19:14 | Bright | 56.000 | 32 | 77Eps UMa | 1.7630 | 11000. | 112 | 40524 | No |
| 49 | GOM_TRA_1PNPDE20091130_032209_000000492084_00390_40524_5474.N1 | 30-NOV-2009 03:22:09 | Bright | 49.000 | 174 | 52Psi UMa | 3.0040 | 4400.0 | 98 | 40524 | No |
| 50 | GOM_TRA_1PNPDE20091130_032445_000000582084_00390_40524_5475.N1 | 30-NOV-2009 03:24:45 | Bright | 58.000 | 152 | 12Alp2CVn | 2.8900 | 11000. | 116 | 40524 | No |
| 51 | GOM_TRA_1PNPDE20091130_033412_000000782084_00390_40524_5476.N1 | 30-NOV-2009 03:34:12 | Bright | 78.000 | 62 | 94Bet Leo | 2.1360 | 9700.0 | 156 | 40524 | No |
| 52 | GOM_TRA_1PNPDE20091130_033731_000000492084_00390_40524_5477.N1 | 30-NOV-2009 03:37:31 | Bright | 49.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 98 | 40524 | No |
| 53 | GOM_TRA_1PNPDE20091130_034308_000000472084_00390_40524_5478.N1 | 30-NOV-2009 03:43:08 | Twilight | 46.500 | 100 | 4Gam Crv | 2.5800 | 13100. | 93 | 40524 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|---------------|--------|-----|-----------|----------|--------|-----|-------|-----|
| 54 | GOM_TRA_1PNPDE20091130_034444_000000462084_00390_40524_5479.N1 | 30-NOV-2009 03:44:44 | Dark | 46.000 | 171 | 2Eps Crv | 3.0010 | 4250.0 | 92 | 40524 | No |
| 55 | GOM_TRA_1PNPDE20091130_035412_000000462084_00391_40525_5480.N1 | 30-NOV-2009 03:54:12 | Dark | 45.500 | 113 | Mu Vel | 2.6920 | 5000.0 | 91 | 40525 | No |
| 56 | GOM_TRA_1PNPDE20091130_040249_000000562084_00391_40525_5481.N1 | 30-NOV-2009 04:02:49 | Dark | 55.500 | 34 | Gam2Vel | 1.7930 | 23000. | 111 | 40525 | No |
| 57 | GOM_TRA_1PNPDE20091130_040432_000000602084_00391_40525_5482.N1 | 30-NOV-2009 04:04:32 | Dark | 59.500 | 70 | Zet Pup | 2.2460 | 39000. | 119 | 40525 | No |
| 58 | GOM_TRA_1PNPDE20091130_040803_000000602084_00391_40525_5483.N1 | 30-NOV-2009 04:08:03 | Dark | 60.000 | 117 | Pi Pup | 2.7060 | 3800.0 | 120 | 40525 | No |
| 59 | GOM_TRA_1PNPDE20091130_041152_000000682084_00391_40525_5484.N1 | 30-NOV-2009 04:11:52 | Dark | 68.000 | 23 | 21Eps CMa | 1.5020 | 26000. | 136 | 40525 | No |
| 60 | GOM_TRA_1PNPDE20091130_041828_000000552084_00391_40525_5485.N1 | 30-NOV-2009 04:18:28 | Straylight | 55.000 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 110 | 40525 | No |
| 61 | GOM_TRA_1PNPDE20091130_042207_000000582084_00391_40525_5486.N1 | 30-NOV-2009 04:22:07 | Straylight | 58.000 | 7 | 19Bet Ori | 0.10000 | 14000. | 116 | 40525 | No |
| 62 | GOM_TRA_1PNPDE20091130_042513_000000252084_00391_40525_5487.N1 | 30-NOV-2009 04:25:13 | Twl_and_stray | 25.000 | 30 | 46Eps Ori | 1.6940 | 30000. | 50 | 40525 | No |
| 63 | GOM_TRA_1PNPDE20091130_042758_000000602084_00391_40525_5488.N1 | 30-NOV-2009 04:27:58 | Twl_and_stray | 60.000 | 27 | 24Gam Ori | 1.6360 | 26000. | 120 | 40525 | No |
| 64 | GOM_TRA_1PNPDE20091130_043011_000000562084_00391_40525_5489.N1 | 30-NOV-2009 04:30:11 | Bright | 55.500 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 111 | 40525 | No |
| 65 | GOM_TRA_1PNPDE20091130_043145_000000402084_00391_40525_5490.N1 | 30-NOV-2009 04:31:45 | Bright | 39.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 79 | 40525 | No |
| 66 | GOM_TRA_1PNPDE20091130_043408_000000392084_00391_40525_5491.N1 | 30-NOV-2009 04:34:08 | Bright | 38.500 | 150 | 44Zet Per | 2.8900 | 28000. | 77 | 40525 | No |
| 67 | GOM_TRA_1PNPDE20091130_043634_000000392084_00391_40525_5492.N1 | 30-NOV-2009 04:36:34 | Bright | 38.500 | 149 | 45Eps Per | 2.8880 | 30000. | 77 | 40525 | No |
| 68 | GOM_TRA_1PNPDE20091130_044030_000000522084_00391_40525_5493.N1 | 30-NOV-2009 04:40:30 | Bright | 52.000 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 104 | 40525 | No |
| 69 | GOM_TRA_1PNPDE20091130_044224_000000532084_00391_40525_5494.N1 | 30-NOV-2009 04:42:24 | Bright | 52.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 105 | 40525 | No |
| 70 | GOM_TRA_1PNPDE20091130_045639_000000462084_00391_40525_5498.N1 | 30-NOV-2009 04:56:39 | Bright | 45.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 91 | 40525 | No |
| 71 | GOM_TRA_1PNPDE20091130_045816_000000502084_00391_40525_5499.N1 | 30-NOV-2009 04:58:16 | Bright | 49.500 | 82 | 48Bet UMa | 2.3650 | 10600. | 99 | 40525 | No |
| 72 | GOM_TRA_1PNPDE20091130_045950_000000402084_00391_40525_5500.N1 | 30-NOV-2009 04:59:50 | Bright | 39.500 | 32 | 77Eps UMa | 1.7630 | 11000. | 79 | 40525 | No |
| 73 | GOM_TRA_1PNPDE20091130_050245_000000512084_00391_40525_5501.N1 | 30-NOV-2009 05:02:45 | Bright | 50.500 | 174 | 52Psi UMa | 3.0040 | 4400.0 | 101 | 40525 | No |
| 74 | GOM_TRA_1PNPDE20091130_050522_000000352084_00391_40525_5502.N1 | 30-NOV-2009 05:05:22 | Bright | 35.000 | 152 | 12Alp2CVn | 2.8900 | 11000. | 70 | 40525 | No |
| 75 | GOM_TRA_1PNPDE20091130_051449_000000532084_00391_40525_5503.N1 | 30-NOV-2009 05:14:49 | Bright | 52.500 | 62 | 94Bet Leo | 2.1360 | 9700.0 | 105 | 40525 | No |
| 76 | GOM_TRA_1PNPDE20091130_051808_000000422084_00391_40525_5504.N1 | 30-NOV-2009 05:18:08 | Bright | 42.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 84 | 40525 | No |
| 77 | GOM_TRA_1PNPDE20091130_052345_000000492084_00391_40525_5505.N1 | 30-NOV-2009 05:23:45 | Twilight | 48.500 | 100 | 4Gam Crv | 2.5800 | 13100. | 97 | 40525 | No |
| 78 | GOM_TRA_1PNPDE20091130_052521_000000502084_00391_40525_5506.N1 | 30-NOV-2009 05:25:21 | Dark | 50.000 | 171 | 2Eps Crv | 3.0010 | 4250.0 | 100 | 40525 | No |
| 79 | GOM_TRA_1PNPDE20091130_053449_000000432084_00392_40526_5507.N1 | 30-NOV-2009 05:34:49 | Dark | 43.000 | 113 | Mu Vel | 2.6920 | 5000.0 | 86 | 40526 | No |
| 80 | GOM_TRA_1PNPDE20091130_054326_000000512084_00392_40526_5508.N1 | 30-NOV-2009 05:43:26 | Dark | 51.000 | 34 | Gam2Vel | 1.7930 | 23000. | 102 | 40526 | No |
| 81 | GOM_TRA_1PNPDE20091130_054509_000000542084_00392_40526_5509.N1 | 30-NOV-2009 05:45:09 | Dark | 54.000 | 70 | Zet Pup | 2.2460 | 39000. | 108 | 40526 | No |
| 82 | GOM_TRA_1PNPDE20091130_054840_000000612084_00392_40526_5510.N1 | 30-NOV-2009 05:48:40 | Dark | 60.500 | 117 | Pi Pup | 2.7060 | 3800.0 | 121 | 40526 | No |
| 83 | GOM_TRA_1PNPDE20091130_055229_000000672084_00392_40526_5511.N1 | 30-NOV-2009 05:52:29 | Dark | 66.500 | 23 | 21Eps CMa | 1.5020 | 26000. | 133 | 40526 | No |
| 84 | GOM_TRA_1PNPDE20091130_055904_000000572084_00392_40526_5512.N1 | 30-NOV-2009 05:59:04 | Straylight | 57.000 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 114 | 40526 | No |
| 85 | GOM_TRA_1PNPDE20091130_060243_000000612084_00392_40526_5513.N1 | 30-NOV-2009 06:02:43 | Straylight | 60.500 | 7 | 19Bet Ori | 0.10000 | 14000. | 121 | 40526 | No |
| 86 | GOM_TRA_1PNPDE20091130_060548_000000312084_00392_40526_5514.N1 | 30-NOV-2009 06:05:48 | Twl_and_stray | 31.000 | 30 | 46Eps Ori | 1.6940 | 30000. | 62 | 40526 | No |
| 87 | GOM_TRA_1PNPDE20091130_060833_000000642084_00392_40526_5515.N1 | 30-NOV-2009 06:08:33 | Twl_and_stray | 63.500 | 27 | 24Gam Ori | 1.6360 | 26000. | 127 | 40526 | No |
| 88 | GOM_TRA_1PNPDE20091130_061046_000000552084_00392_40526_5516.N1 | 30-NOV-2009 06:10:46 | Bright | 54.500 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 109 | 40526 | No |
| 89 | GOM_TRA_1PNPDE20091130_061220_000000392084_00392_40526_5517.N1 | 30-NOV-2009 06:12:20 | Bright | 38.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 77 | 40526 | No |
| 90 | GOM_TRA_1PNPDE20091130_061443_000000402084_00392_40526_5518.N1 | 30-NOV-2009 06:14:43 | Bright | 39.500 | 150 | 44Zet Per | 2.8900 | 28000. | 79 | 40526 | No |
| 91 | GOM_TRA_1PNPDE20091130_061710_000000392084_00392_40526_5519.N1 | 30-NOV-2009 06:17:10 | Bright | 38.500 | 149 | 45Eps Per | 2.8880 | 30000. | 77 | 40526 | No |
| 92 | GOM_TRA_1PNPDE20091130_062106_000000502084_00392_40526_5520.N1 | 30-NOV-2009 06:21:06 | Bright | 49.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 99 | 40526 | No |
| 93 | GOM_TRA_1PNPDE20091130_062259_000000522084_00392_40526_5521.N1 | 30-NOV-2009 06:22:59 | Bright | 52.000 | 42 | 34Bet Aur | 1.9000 | 10200. | 104 | 40526 | No |
| 94 | GOM_TRA_1PNPDE20091130_205411_000000622084_00401_40535_5586.N1 | 30-NOV-2009 20:54:11 | Dark | 61.500 | 117 | Pi Pup | 2.7060 | 3800.0 | 123 | 40535 | Yes |
| 95 | GOM_TRA_1PNPDE20091130_205759_000000662084_00401_40535_5587.N1 | 30-NOV-2009 20:57:59 | Dark | 65.500 | 23 | 21Eps CMa | 1.5020 | 26000. | 131 | 40535 | No |
| 96 | GOM_TRA_1PNPDE20091130_210429_000000562084_00401_40535_5588.N1 | 30-NOV-2009 21:04:29 | Straylight | 55.500 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 111 | 40535 | No |
| 97 | GOM_TRA_1PNPDE20091130_210806_000000602084_00401_40535_5589.N1 | 30-NOV-2009 21:08:06 | Straylight | 59.500 | 7 | 19Bet Ori | 0.10000 | 14000. | 119 | 40535 | No |
| 98 | GOM_TRA_1PNPDE20091130_211108_000000572084_00401_40535_5590.N1 | 30-NOV-2009 21:11:08 | Twl_and_stray | 57.000 | 30 | 46Eps Ori | 1.6940 | 30000. | 114 | 40535 | No |
| 99 | GOM_TRA_1PNPDE20091130_211351_000000622084_00401_40535_5591.N1 | 30-NOV-2009 21:13:51 | Twl_and_stray | 62.000 | 27 | 24Gam Ori | 1.6360 | 26000. | 124 | 40535 | No |
| 100 | GOM_TRA_1PNPDE20091130_211606_000000522084_00401_40535_5592.N1 | 30-NOV-2009 21:16:06 | Bright | 51.500 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 103 | 40535 | No |
| 101 | GOM_TRA_1PNPDE20091130_211742_000000392084_00401_40535_5593.N1 | 30-NOV-2009 21:17:42 | Bright | 38.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 77 | 40535 | No |
| 102 | GOM_TRA_1PNPDE20091130_212005_000000372084_00401_40535_5594.N1 | 30-NOV-2009 21:20:05 | Bright | 36.500 | 150 | 44Zet Per | 2.8900 | 28000. | 73 | 40535 | No |
| 103 | GOM_TRA_1PNPDE20091130_212230_000000392084_00401_40535_5595.N1 | 30-NOV-2009 21:22:30 | Bright | 38.500 | 149 | 45Eps Per | 2.8880 | 30000. | 77 | 40535 | No |
| 104 | GOM_TRA_1PNPDE20091130_212623_000000472084_00401_40535_5596.N1 | 30-NOV-2009 21:26:23 | Bright | 46.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 93 | 40535 | No |
| 105 | GOM_TRA_1PNPDE20091130_212813_000000532084_00401_40535_5597.N1 | 30-NOV-2009 21:28:13 | Bright | 52.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 105 | 40535 | No |
| 106 | GOM_TRA_1PNPDE20091130_214235_000000632084_00401_40535_5598.N1 | 30-NOV-2009 21:42:35 | Bright | 63.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 126 | 40535 | No |
| 107 | GOM_TRA_1PNPDE20091130_214412_000000462084_00401_40535_5599.N1 | 30-NOV-2009 21:44:12 | Bright | 45.500 | 82 | 48Bet UMa | 2.3650 | 10600. | 91 | 40535 | No |
| 108 | GOM_TRA_1PNPDE20091130_214548_000000382084_00401_40535_5600.N1 | 30-NOV-2009 21:45:48 | Bright | 37.500 | 32 | 77Eps UMa | 1.7630 | 11000. | 75 | 40535 | No |
| 109 | GOM_TRA_1PNPDE20091130_214842_000000532084_00401_40535_5601.N1 | 30-NOV-2009 21:48:42 | Bright | 53.000 | 174 | 52Psi UMa | 3.0040 | 4400.0 | 106 | 40535 | No |
| 110 | GOM_TRA_1PNPDE20091130_215121_000000402084_00401_40535_5602.N1 | 30-NOV-2009 21:51:21 | Bright | 39.500 | 152 | 12Alp2CVn | 2.8900 | 11000. | 79 | 40535 | No |
| 111 | GOM_TRA_1PNPDE20091130_220055_000000802084_00401_40535_5603.N1 | 30-NOV-2009 22:00:55 | Bright | 80.000 | 62 | 94Bet Leo | 2.1360 | 9700.0 | 160 | 40535 | No |
| 112 | GOM_TRA_1PNPDE20091130_220413_000000612084_00401_40535_5604.N1 | 30-NOV-2009 22:04:13 | Bright | 60.500 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 121 | 40535 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 113 | GOM_TRA_1PNPDE20091130_220952_000000492084_00401_40535_5608.N1 | 30-NOV-2009 22:09:52 | Twilight | 49.000 | 100 | 4Gam Crv | 2.5800 | 13100. | 98 | 40535 | No |
| 114 | GOM_TRA_1PNPDE20091130_221128_000000512084_00401_40535_5609.N1 | 30-NOV-2009 22:11:28 | Dark | 51.000 | 171 | 2Eps Crv | 3.0010 | 4250.0 | 102 | 40535 | No |
| 115 | GOM_TRA_1PNPDE20091130_222056_000000422084_00402_40536_5610.N1 | 30-NOV-2009 22:20:56 | Dark | 42.000 | 113 | Mu Vel | 2.6920 | 5000.0 | 84 | 40536 | No |
| 116 | GOM_TRA_1PNPDE20091130_222933_000000482084_00402_40536_5611.N1 | 30-NOV-2009 22:29:33 | Dark | 47.500 | 34 | Gam2Vel | 1.7930 | 23000. | 95 | 40536 | No |
| 117 | GOM_TRA_1PNPDE20091130_223119_000000562084_00402_40536_5612.N1 | 30-NOV-2009 22:31:19 | Dark | 55.500 | 70 | Zet Pup | 2.2460 | 39000. | 111 | 40536 | No |
| 118 | GOM_TRA_1PNPDE20091130_223447_000000632084_00402_40536_5613.N1 | 30-NOV-2009 22:34:47 | Dark | 62.500 | 117 | Pi Pup | 2.7060 | 3800.0 | 125 | 40536 | No |
| 119 | GOM_TRA_1PNPDE20091130_223836_000000662084_00402_40536_5614.N1 | 30-NOV-2009 22:38:36 | Dark | 66.000 | 23 | 21Eps CMa | 1.5020 | 26000. | 132 | 40536 | No |
| 120 | GOM_TRA_1PNPDE20091130_224505_000000552084_00402_40536_5615.N1 | 30-NOV-2009 22:45:05 | Straylight | 55.000 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 110 | 40536 | No |
| 121 | GOM_TRA_1PNPDE20091130_224842_000000592084_00402_40536_5616.N1 | 30-NOV-2009 22:48:42 | Straylight | 59.000 | 7 | 19Bet Ori | 0.10000 | 14000. | 118 | 40536 | No |
| 122 | GOM_TRA_1PNPDE20091130_225143_000000612084_00402_40536_5617.N1 | 30-NOV-2009 22:51:43 | Twilight | 61.000 | 30 | 46Eps Ori | 1.6940 | 30000. | 122 | 40536 | No |
| 123 | GOM_TRA_1PNPDE20091130_225427_000000612084_00402_40536_5618.N1 | 30-NOV-2009 22:54:27 | Twilight | 61.000 | 27 | 24Gam Ori | 1.6360 | 26000. | 122 | 40536 | No |
| 124 | GOM_TRA_1PNPDE20091130_225642_000000522084_00402_40536_5619.N1 | 30-NOV-2009 22:56:42 | Bright | 52.000 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 104 | 40536 | No |
| 125 | GOM_TRA_1PNPDE20091130_225818_000000412084_00402_40536_5620.N1 | 30-NOV-2009 22:58:18 | Bright | 40.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 81 | 40536 | No |
| 126 | GOM_TRA_1PNPDE20091130_230040_000000402084_00402_40536_5621.N1 | 30-NOV-2009 23:00:40 | Bright | 39.500 | 150 | 44Zet Per | 2.8900 | 28000. | 79 | 40536 | No |
| 127 | GOM_TRA_1PNPDE20091130_230306_000000372084_00402_40536_5622.N1 | 30-NOV-2009 23:03:06 | Bright | 36.500 | 149 | 45Eps Per | 2.8880 | 30000. | 73 | 40536 | No |
| 128 | GOM_TRA_1PNPDE20091130_230658_000000662084_00402_40536_5623.N1 | 30-NOV-2009 23:06:58 | Bright | 66.000 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 132 | 40536 | No |
| 129 | GOM_TRA_1PNPDE20091130_230848_000000522084_00402_40536_5624.N1 | 30-NOV-2009 23:08:48 | Bright | 52.000 | 42 | 34Bet Aur | 1.9000 | 10200. | 104 | 40536 | No |
| 130 | GOM_TRA_1PNPDE20091130_232311_000000482084_00402_40536_5625.N1 | 30-NOV-2009 23:23:11 | Bright | 48.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 96 | 40536 | No |
| 131 | GOM_TRA_1PNPDE20091130_232447_000000472084_00402_40536_5626.N1 | 30-NOV-2009 23:24:47 | Bright | 47.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 94 | 40536 | No |
| 132 | GOM_TRA_1PNPDE20091130_232624_000000422084_00402_40536_5627.N1 | 30-NOV-2009 23:26:24 | Bright | 41.500 | 32 | 77Eps UMa | 1.7630 | 11000. | 83 | 40536 | No |
| 133 | GOM_TRA_1PNPDE20091130_232917_000000512084_00402_40536_5628.N1 | 30-NOV-2009 23:29:17 | Bright | 50.500 | 174 | 52Psi UMa | 3.0040 | 4400.0 | 101 | 40536 | No |
| 134 | GOM_TRA_1PNPDE20091130_233157_000000382084_00402_40536_5629.N1 | 30-NOV-2009 23:31:57 | Bright | 38.000 | 152 | 12Alp2CVn | 2.8900 | 11000. | 76 | 40536 | No |
| 135 | GOM_TRA_1PNPDE20091130_234131_000000802084_00402_40536_5630.N1 | 30-NOV-2009 23:41:31 | Bright | 80.000 | 62 | 94Bet Leo | 2.1360 | 9700.0 | 160 | 40536 | No |
| 136 | GOM_TRA_1PNPDE20091130_234449_000000622084_00402_40536_5631.N1 | 30-NOV-2009 23:44:49 | Bright | 61.500 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 123 | 40536 | No |
| 137 | GOM_TRA_1PNPDE20091130_235029_000000482084_00402_40536_5626.N1 | 30-NOV-2009 23:50:29 | Twilight | 47.500 | 100 | 4Gam Crv | 2.5800 | 13100. | 95 | 40536 | No |
| 138 | GOM_TRA_1PNPDE20091130_235204_000000522084_00402_40536_5627.N1 | 30-NOV-2009 23:52:04 | Dark | 52.000 | 171 | 2Eps Crv | 3.0010 | 4250.0 | 104 | 40536 | 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).

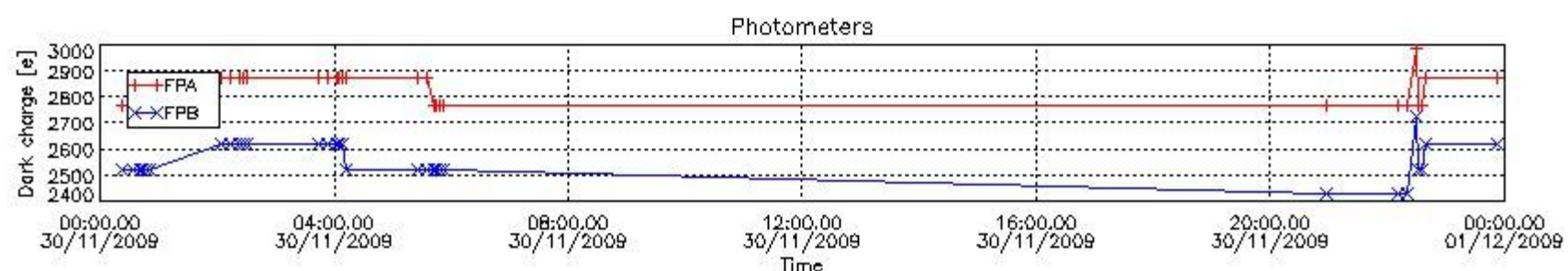
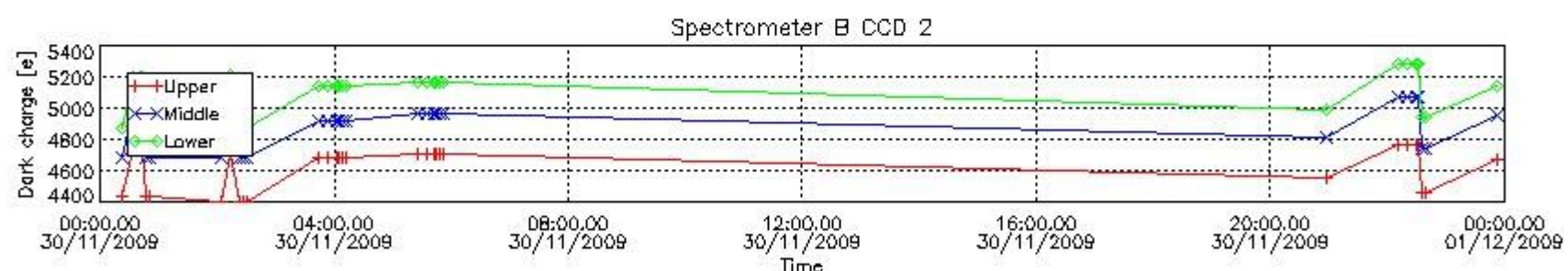
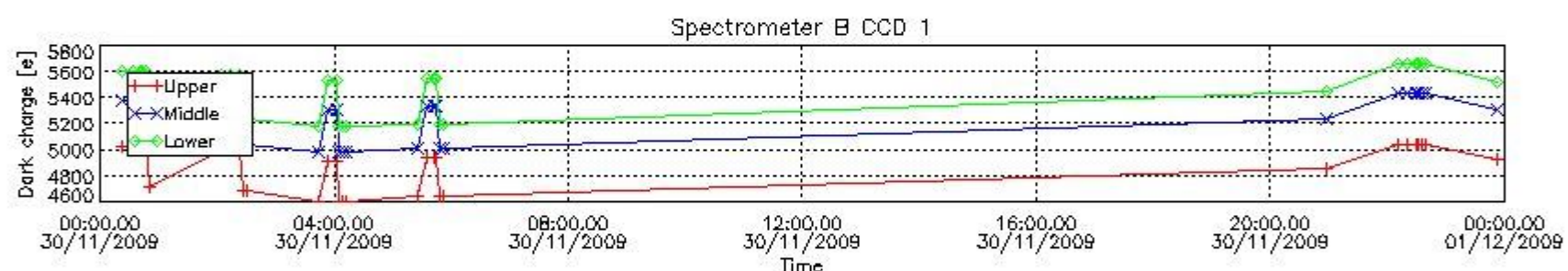
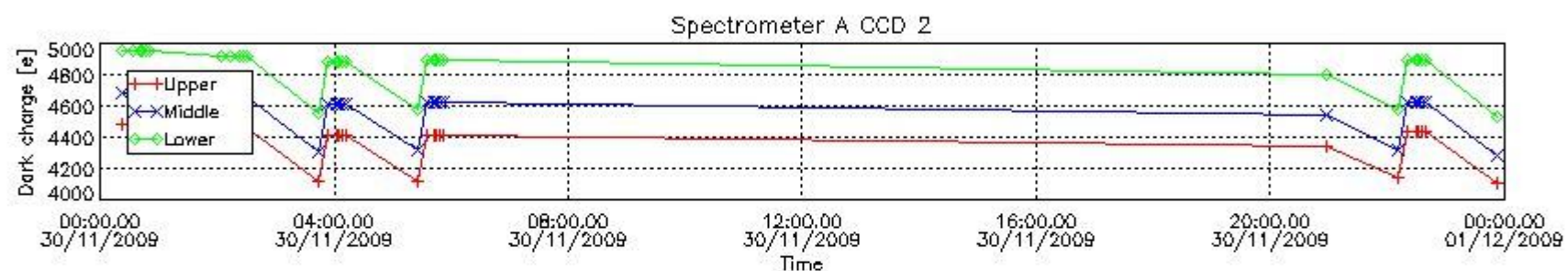
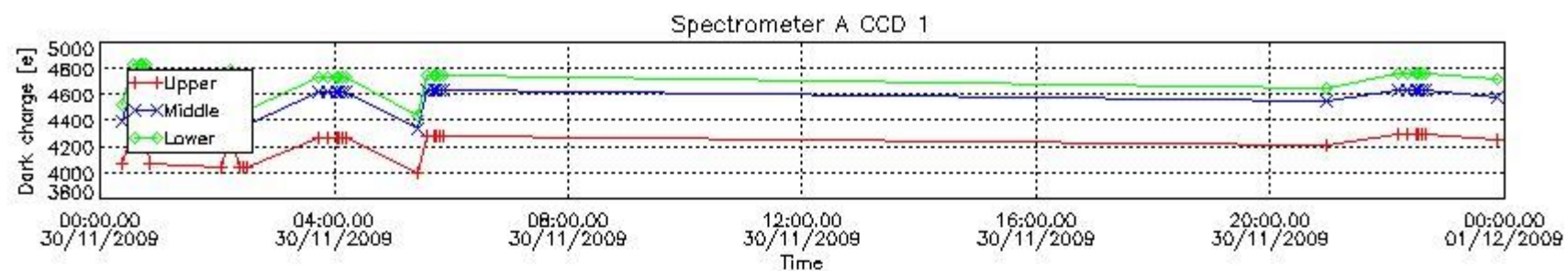
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

| Product name | DC information |
|--|-----------------------|
| GOM_TRA_1PNPDE20091130_205411_000000622084_00401_40535_5586.N1 | DC map with no T dep. |
| GOM_TRA_1PNPDE20091130_205759_000000662084_00401_40535_5587.N1 | DC map used |
| GOM_TRA_1PNPDE20091130_210429_000000562084_00401_40535_5588.N1 | DC map used |
| GOM_TRA_1PNPDE20091130_210806_000000602084_00401_40535_5589.N1 | DC map used |
| GOM_TRA_1PNPDE20091130_211108_000000572084_00401_40535_5590.N1 | DC map used |
| GOM_TRA_1PNPDE20091130_211351_000000622084_00401_40535_5591.N1 | DC map used |
| GOM_TRA_1PNPDE20091130_211606_000000522084_00401_40535_5592.N1 | DC map used |
| GOM_TRA_1PNPDE20091130_211742_000000392084_00401_40535_5593.N1 | DC map used |
| GOM_TRA_1PNPDE20091130_212005_000000372084_00401_40535_5594.N1 | DC map used |
| GOM_TRA_1PNPDE20091130_212230_000000392084_00401_40535_5595.N1 | DC map used |
| GOM_TRA_1PNPDE20091130_212623_000000472084_00401_40535_5596.N1 | DC map used |
| GOM_TRA_1PNPDE20091130_212813_000000532084_00401_40535_5597.N1 | DC map used |
| GOM_TRA_1PNPDE20091130_214235_000000632084_00401_40535_5598.N1 | DC map used |
| GOM_TRA_1PNPDE20091130_214412_000000462084_00401_40535_5599.N1 | DC map used |

| | |
|--|-------------|
| GOM_TRA_1PNPDE20091130_214548_000000382084_00401_40535_5600.N1 | DC map used |
| GOM_TRA_1PNPDE20091130_214842_000000532084_00401_40535_5601.N1 | DC map used |
| GOM_TRA_1PNPDE20091130_215121_000000402084_00401_40535_5602.N1 | DC map used |
| GOM_TRA_1PNPDE20091130_220055_000000802084_00401_40535_5603.N1 | DC map used |
| GOM_TRA_1PNPDE20091130_220413_000000612084_00401_40535_5604.N1 | DC map used |

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



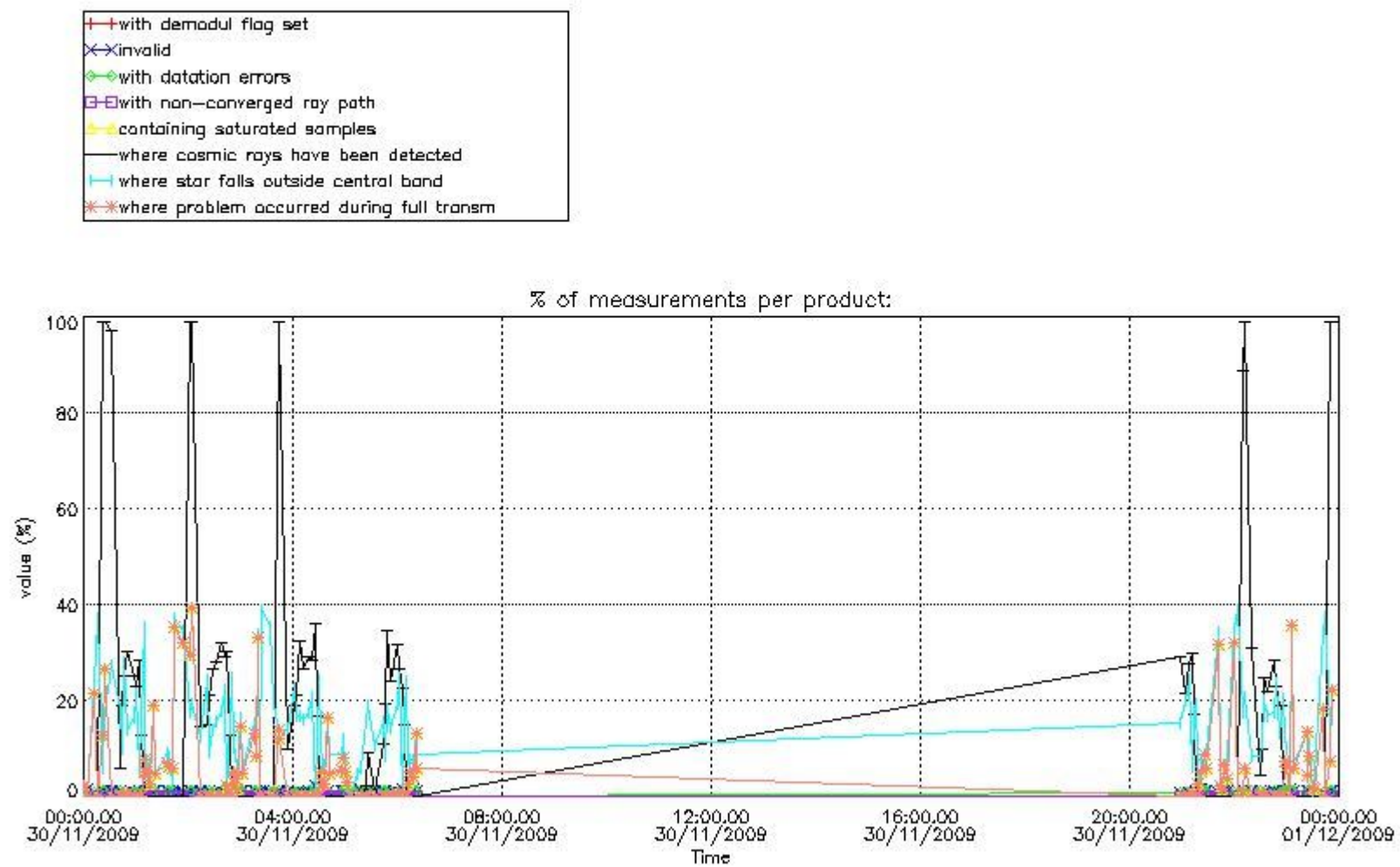
5. Demodulation flag and quality information monitoring

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

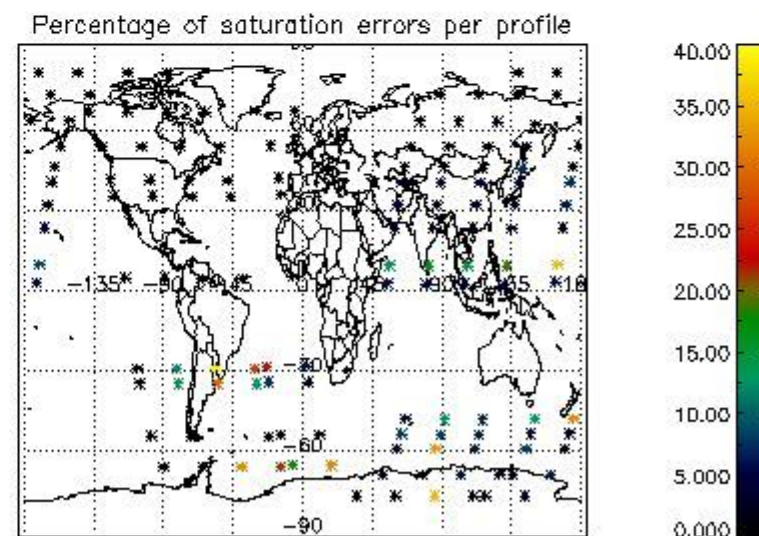
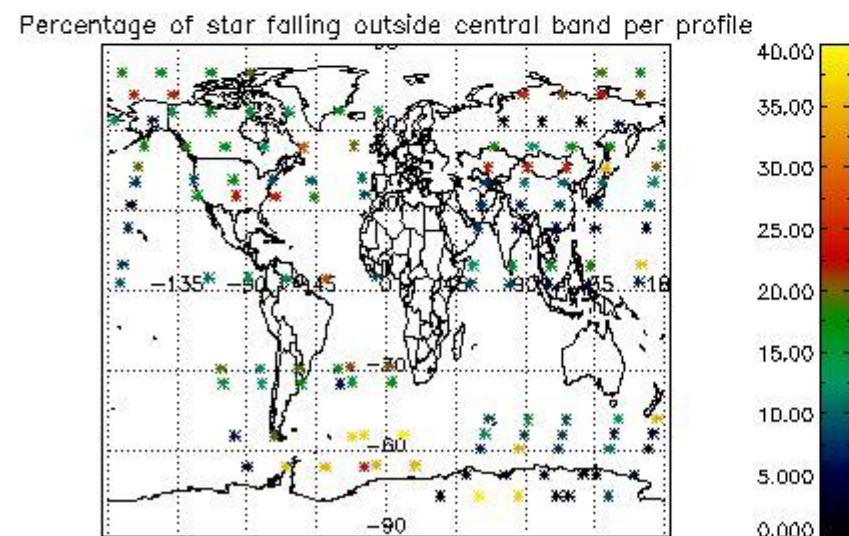
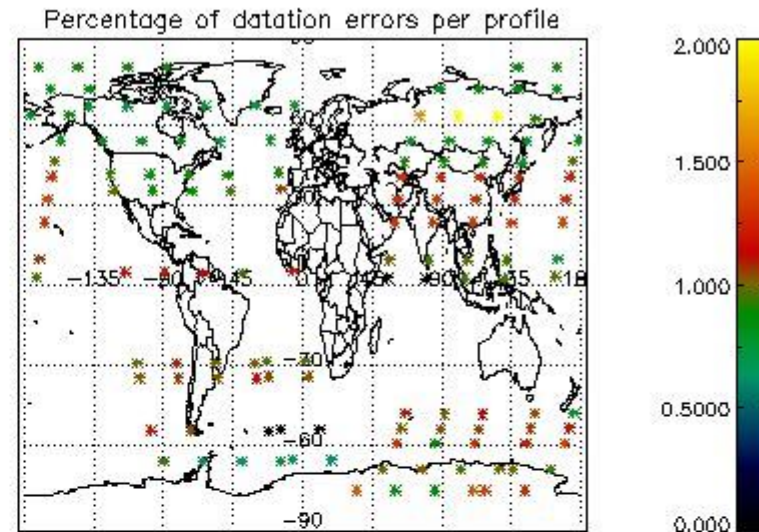
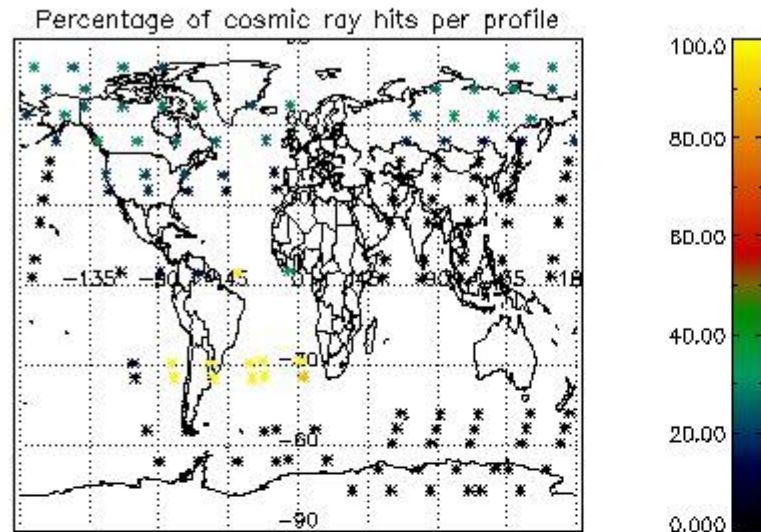
5.1 Percentage of products during reporting period with:

| | |
|---|-----------|
| At least one measurement with demodulation flag set: | 38.9706 % |
| 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)



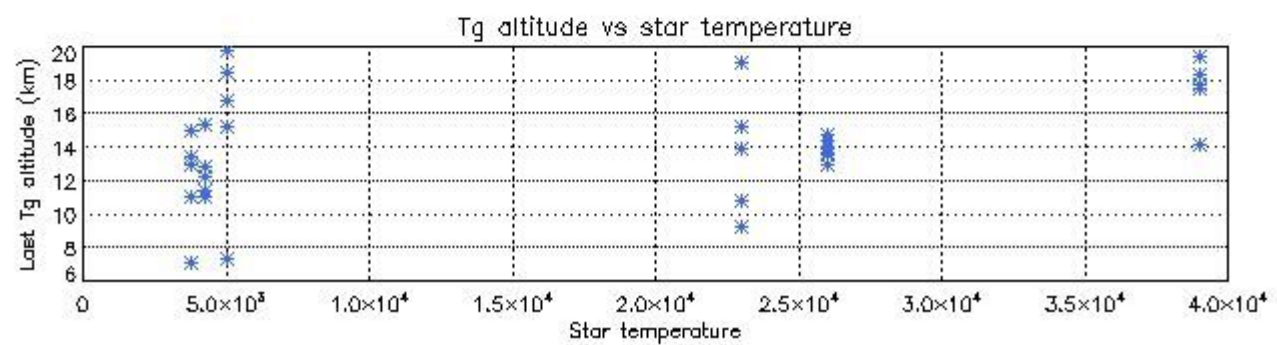
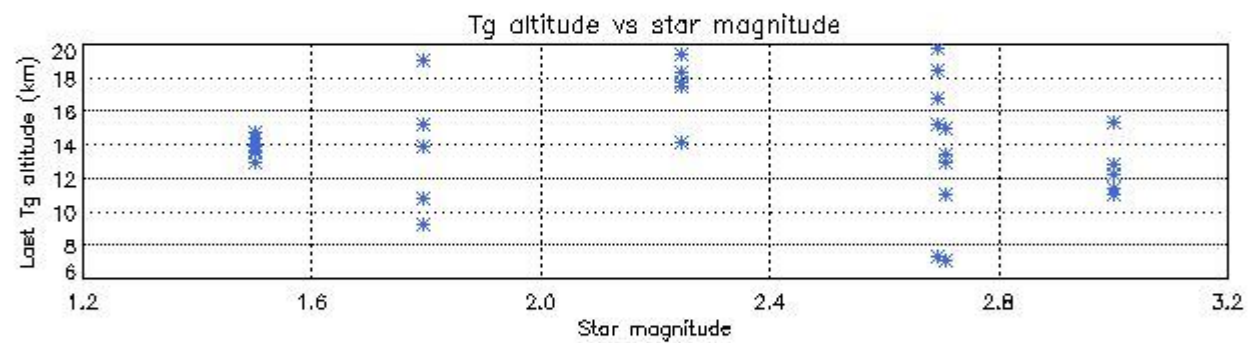
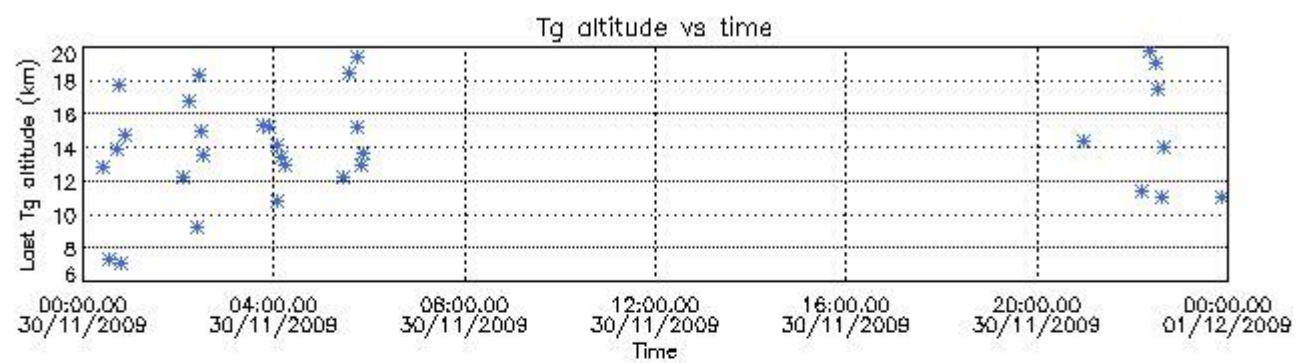
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

| Statistics | DARK | BRIGHT | TWILIGHT |
|-----------------|--------|--------|----------|
| Mean: | 14.069 | 16.541 | 14.865 |
| St. deviation: | 3.2543 | 7.1587 | 2.4836 |
| Maximum: | 19.785 | 30.669 | 19.573 |
| Minimum: | 7.0226 | 3.2210 | 12.923 |
| Number of data: | 32.000 | 74.000 | 6.0000 |

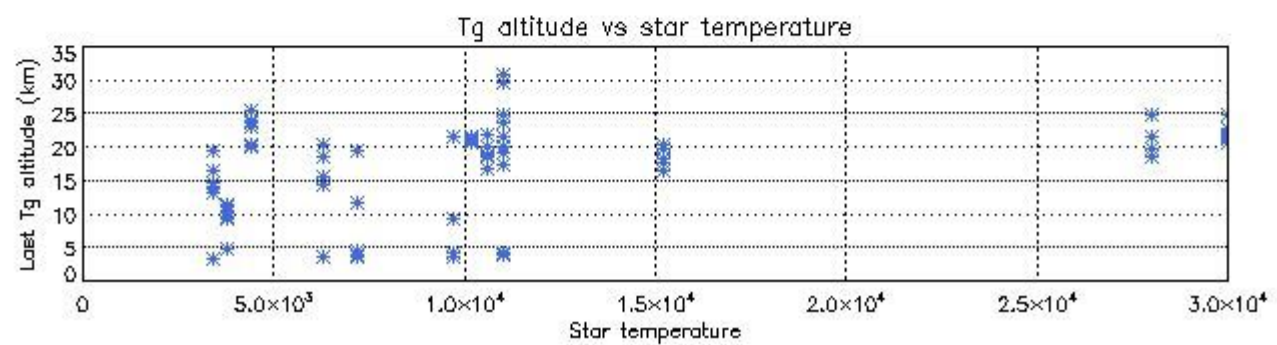
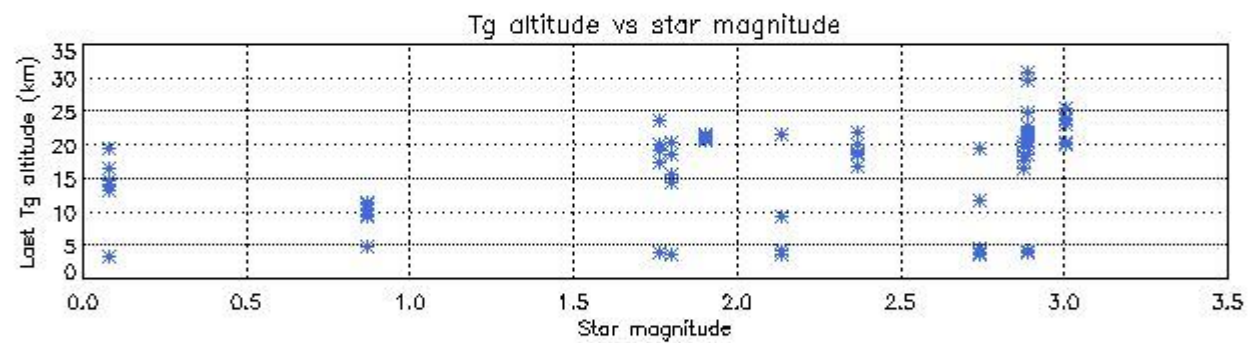
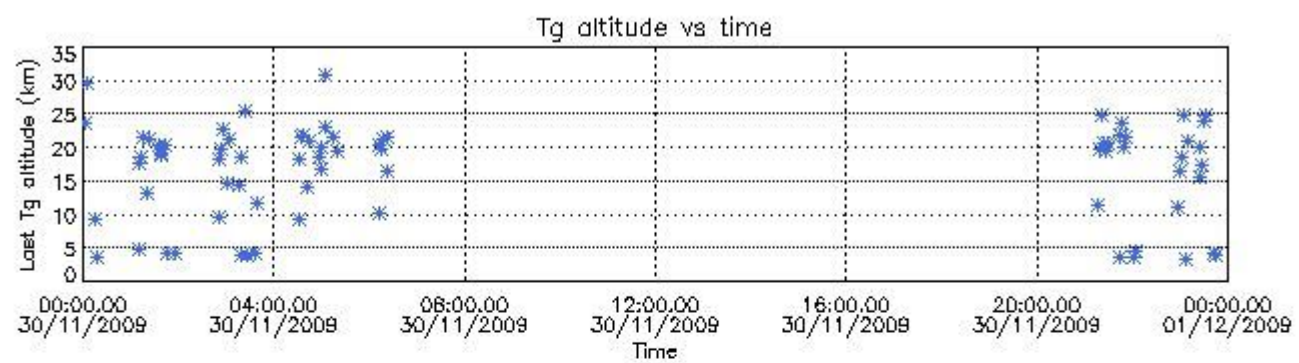
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



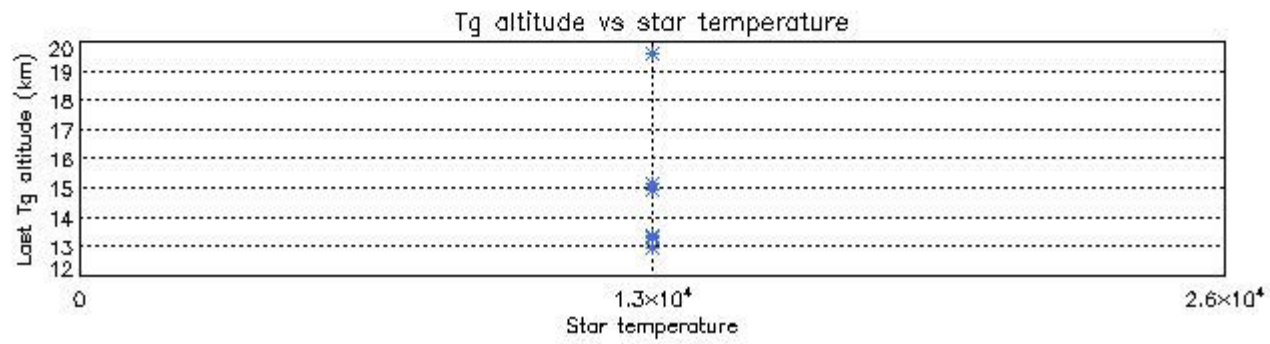
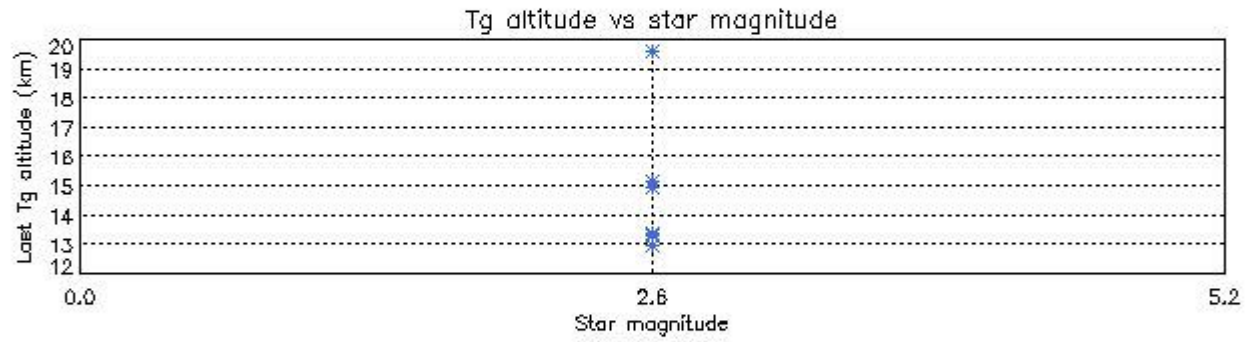
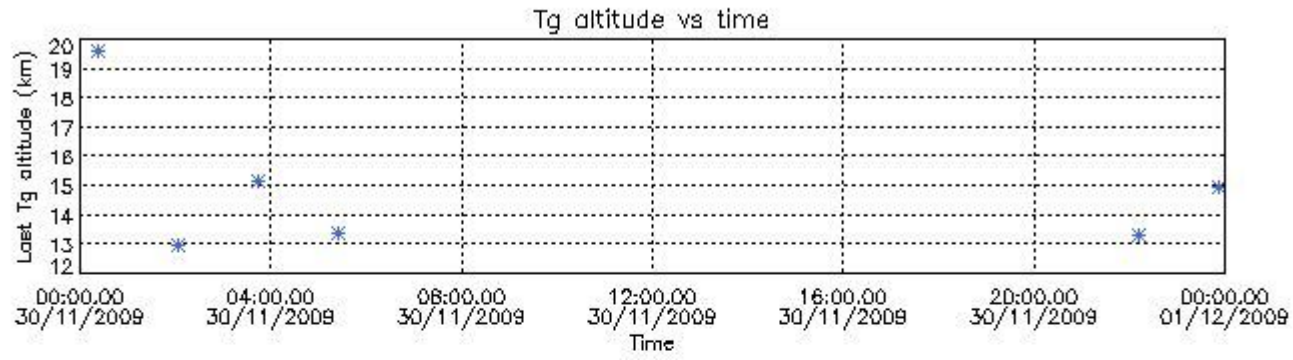
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

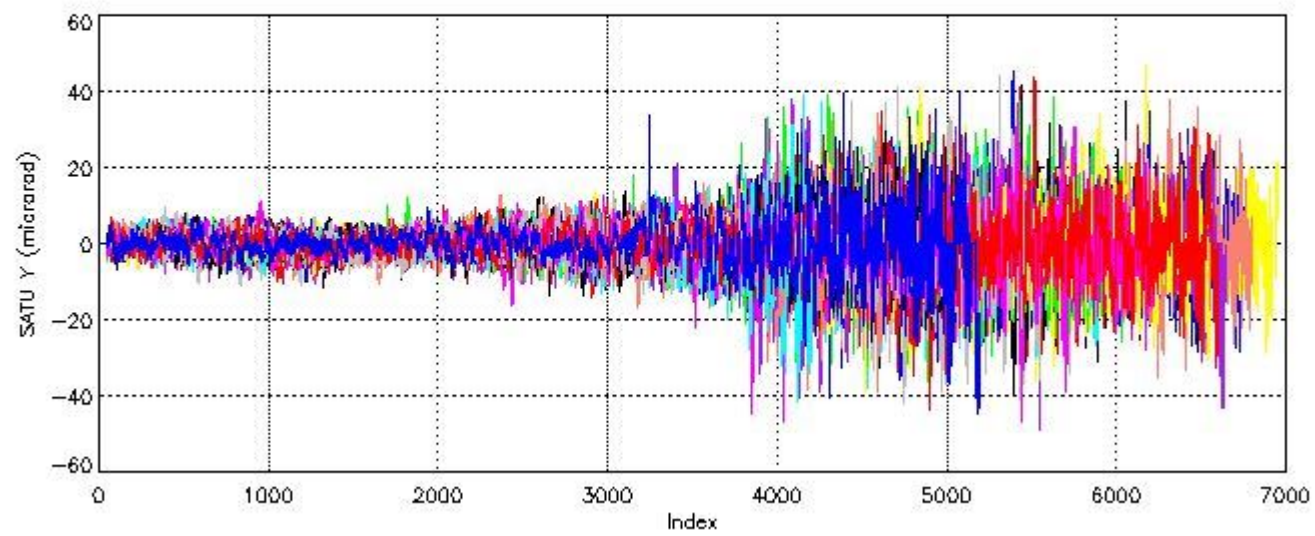
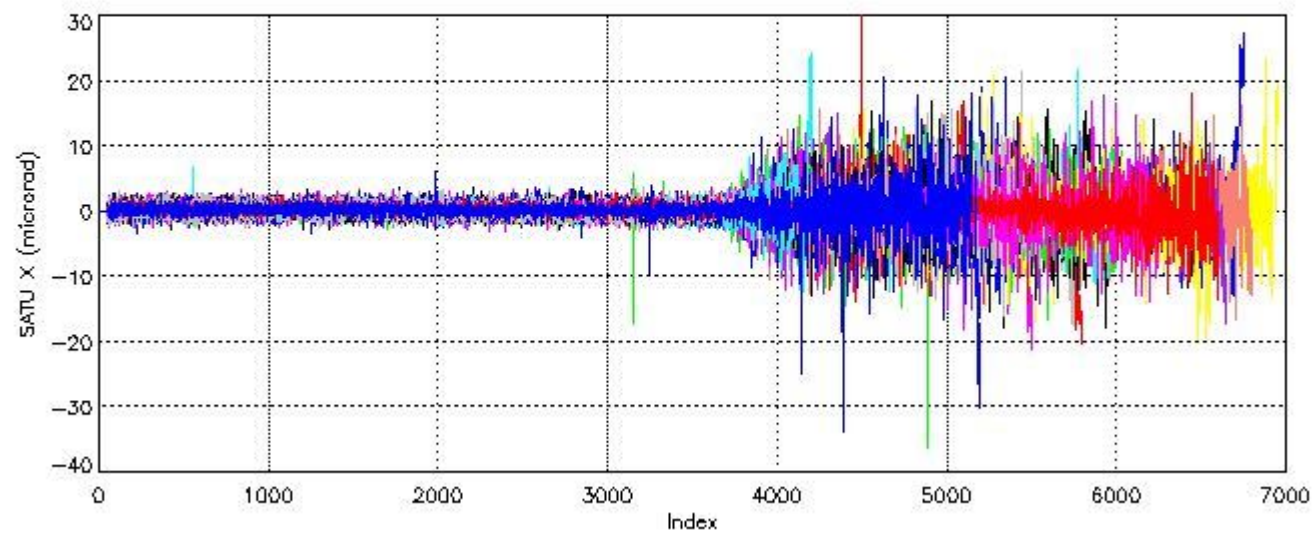


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

| Statistics | SATU X (D) | SATU Y (D) | SATU X (B) | SATU Y (B) |
|----------------|------------|------------|------------|------------|
| Mean: | 0.22750 | -0.097921 | 0.22486 | -0.24245 |
| St. deviation: | 0.61128 | 2.3220 | 0.94731 | 2.6656 |
| Maximum: | 6.7000 | 11.000 | 6.9000 | 13.500 |
| Minimum: | -3.4000 | -11.200 | -6.2000 | -13.800 |

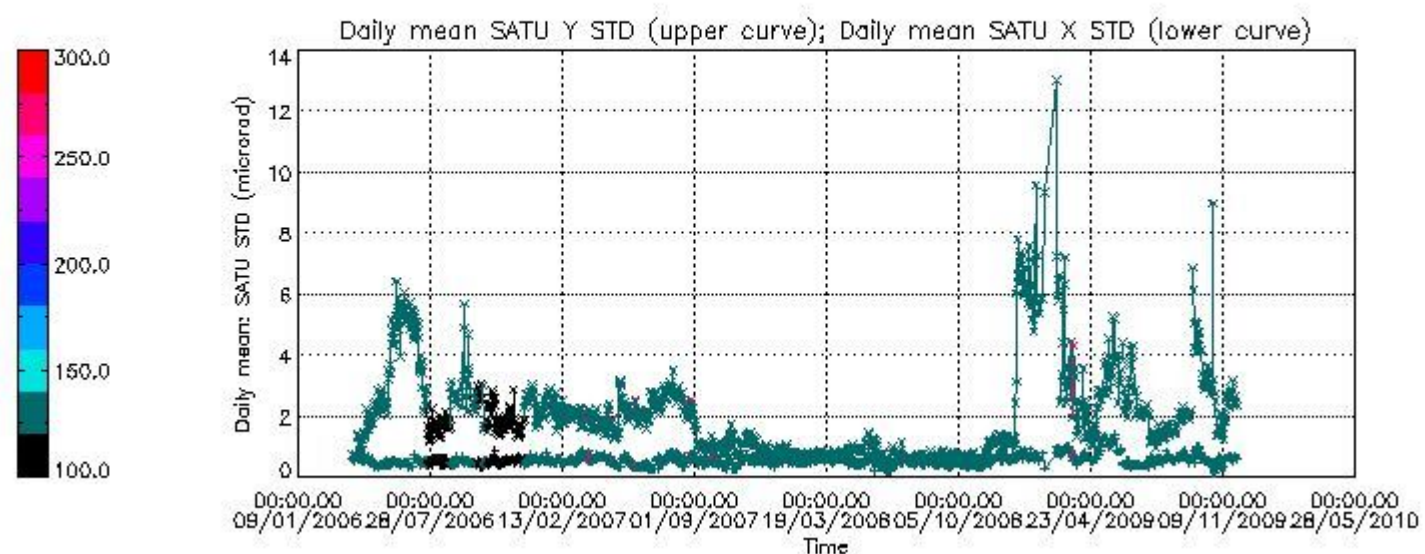
| | | | | |
|-----------------|--------|--------|--------|--------|
| Number of data: | 37500. | 37500. | 77650. | 77650. |
|-----------------|--------|--------|--------|--------|

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.

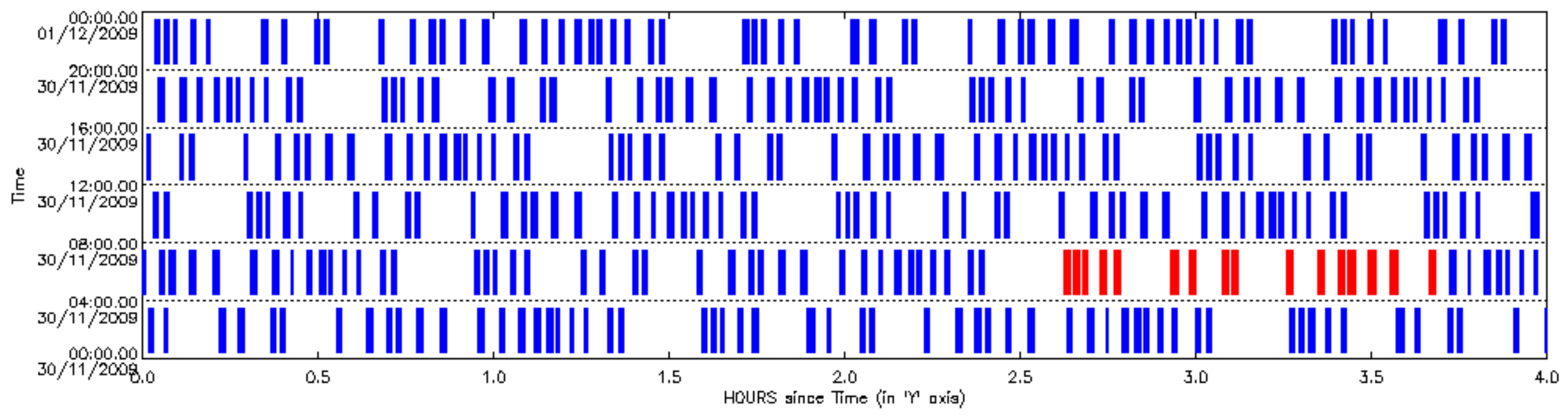
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

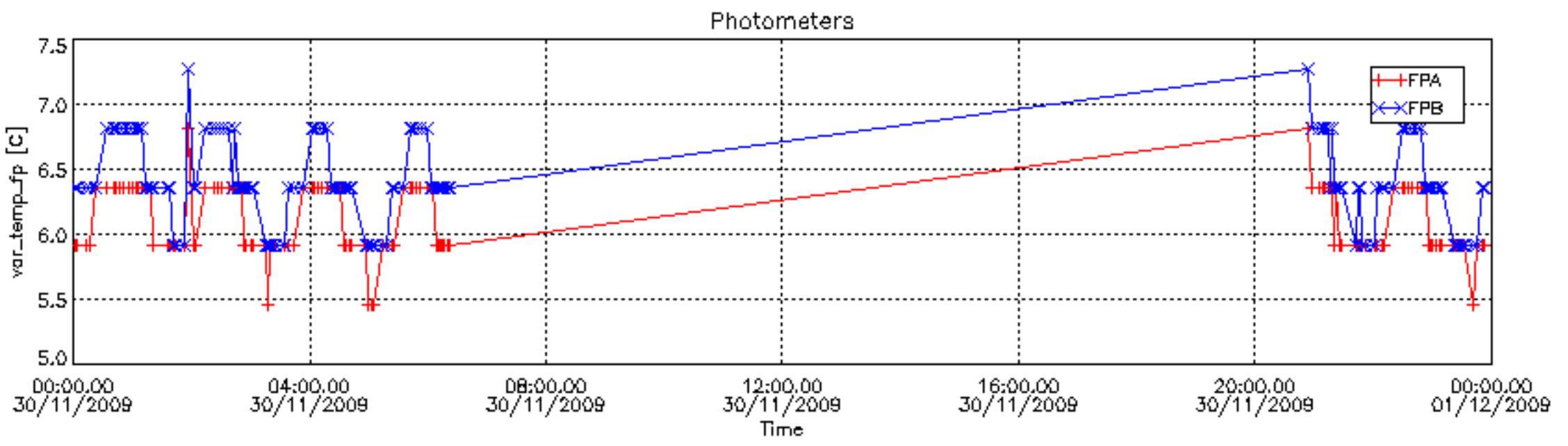
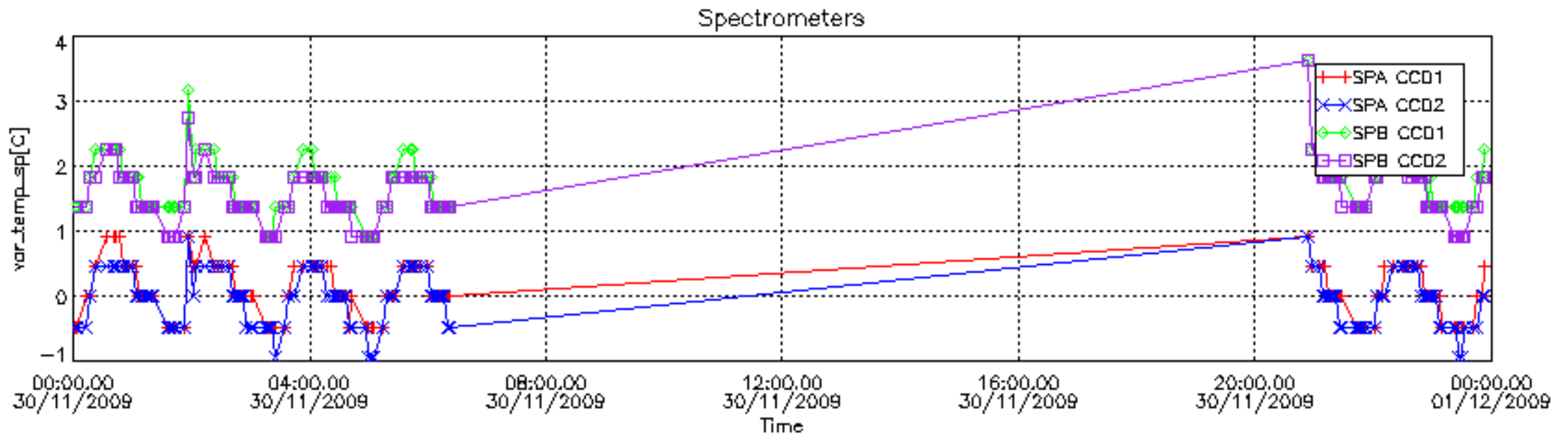


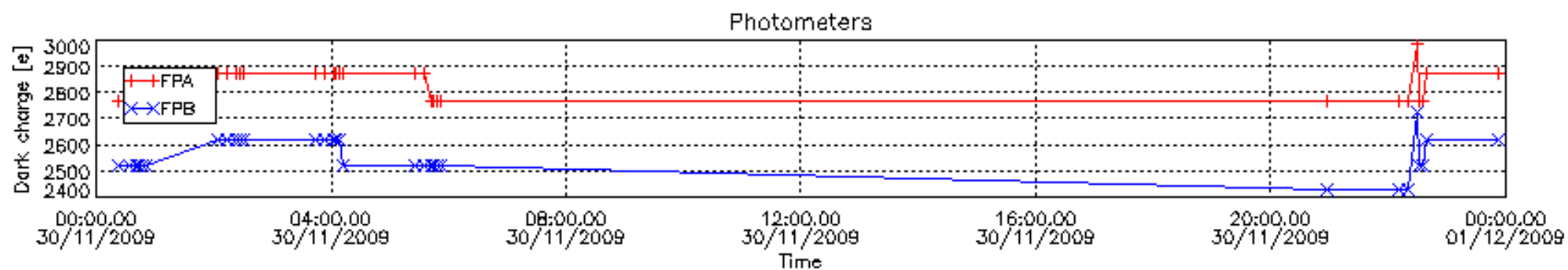
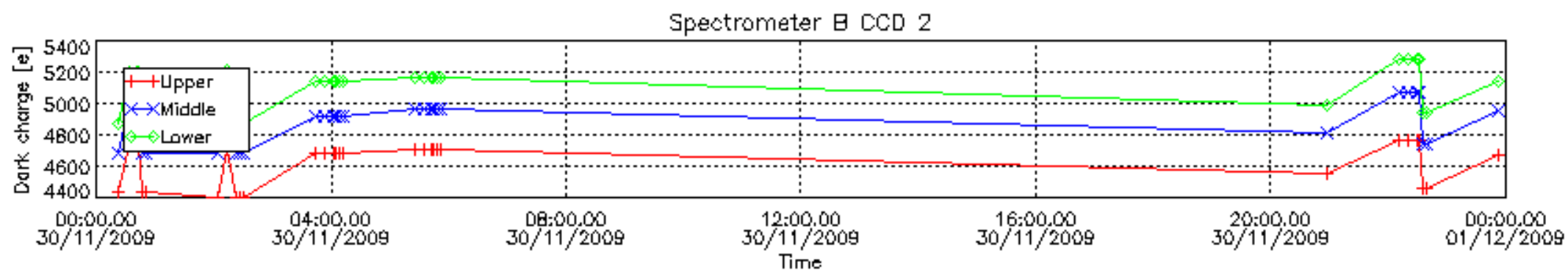
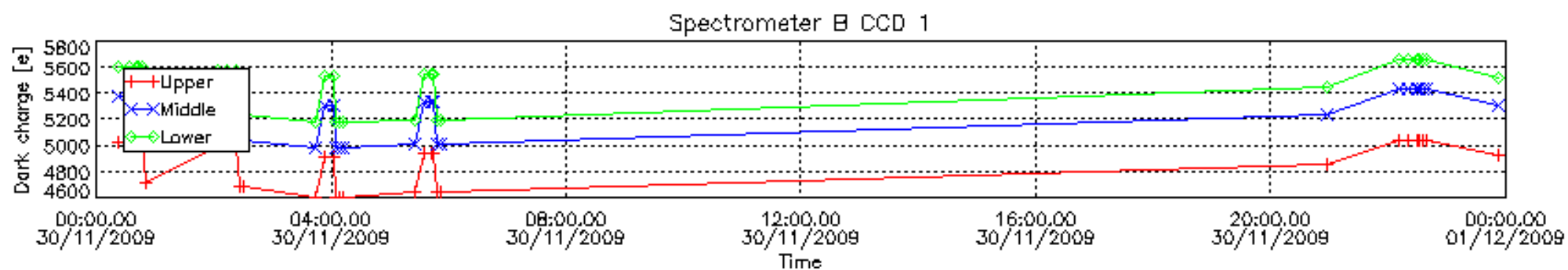
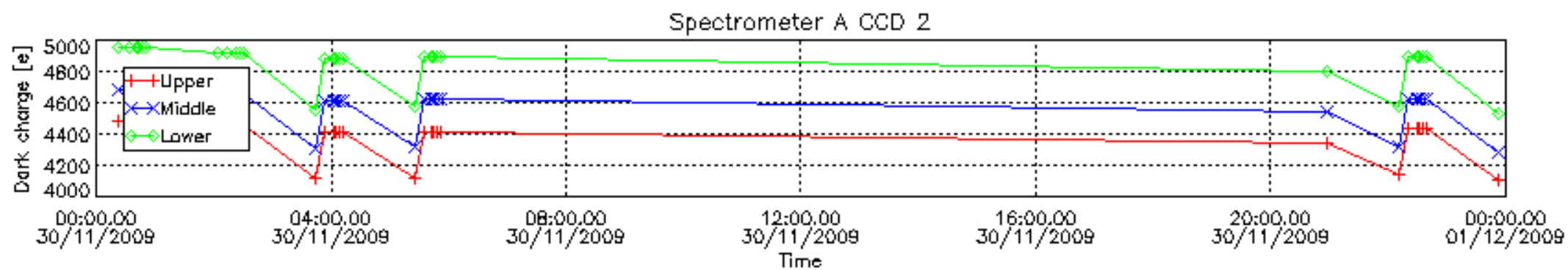
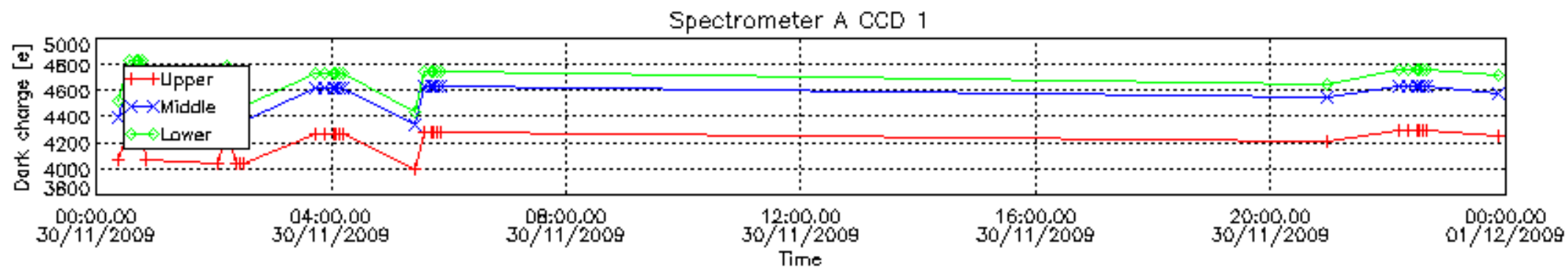
8. Auxiliary Data Files used for the production reported in section 2.4

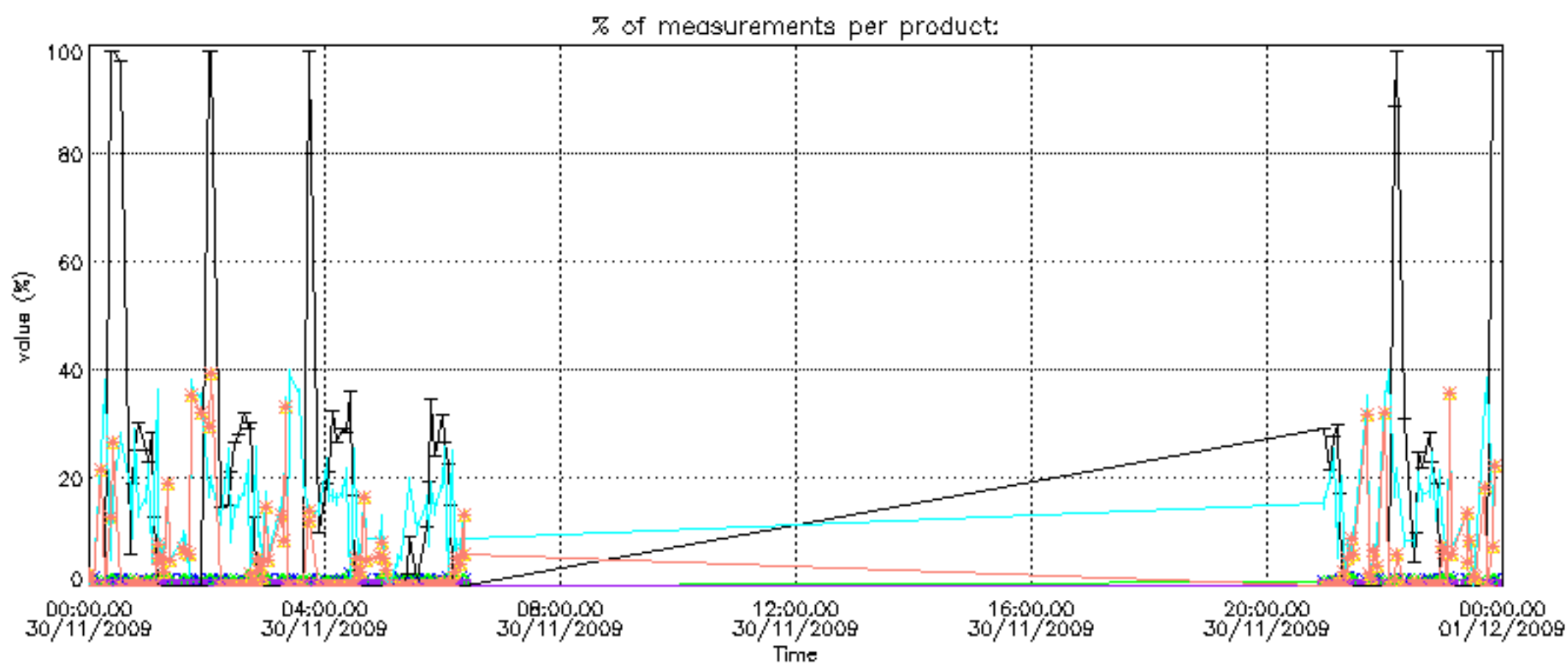
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|--|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 30-NOV-2009 00:00:58 |
| CALIBRATION_DATABASE | GOM_CAL_AXVIEC20091123_100129_20091121_000000_20500101_000000 | 1 | 30-NOV-2009 00:00:58 |
| CALIBRATION_DATABASE | GOM_CAL_AXVIEC20091130_103004_20091128_000000_20500101_000000 | 94 | 30-NOV-2009 20:54:11 |
| LEVEL-1B_PROC_CONFIG | GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000 | 1 | 30-NOV-2009 00:00:58 |
| STAR_CATALOGUE | GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000 | 1 | 30-NOV-2009 00:00:58 |
| STELLAR_SPECTRA_DATABANK | GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000 | 1 | 30-NOV-2009 00:00:58 |
| ECMWF_FILE | AUX_ECF_AXNECM20091129_064111_20091129_210000_20091130_090000 | 1 | 30-NOV-2009 00:00:58 |
| ECMWF_FILE | AUX_ECF_AXNECM20091129_182111_20091130_030000_20091130_150000 | 47 | 30-NOV-2009 03:17:41 |
| ECMWF_FILE | AUX_ECA_AXNECM20091130_062109_20091129_210000_20091130_090000 | 70 | 30-NOV-2009 04:56:39 |
| ECMWF_FILE | AUX_ECF_AXNECM20091130_064109_20091130_150000_20091201_030000 | 94 | 30-NOV-2009 20:54:11 |
| ECMWF_FILE | AUX_ECF_AXNECM20091130_064109_20091130_210000_20091201_090000 | 113 | 30-NOV-2009 22:09:52 |
| OPTIONAL_ECMWF_FILE | MISSING | 1 | 30-NOV-2009 00:00:58 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20091129_223546_000057382084_00387_40521_9262.N1 | 1 | 30-NOV-2009 00:00:58 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20091130_001643_000054192084_00388_40522_9263.N1 | 5 | 30-NOV-2009 00:21:55 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20091130_015221_000047822084_00389_40523_9264.N1 | 28 | 30-NOV-2009 01:56:55 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20091130_031203_000054192084_00390_40524_9265.N1 | 47 | 30-NOV-2009 03:17:41 |
| ORBIT_DATA_FILE | AUX_FPO_AXVPDS20091130_010109_20091129_192955_20091209_205606 | 70 | 30-NOV-2009 04:56:39 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20091130_205441_000038252084_00401_40535_9267.N1 | 94 | 30-NOV-2009 20:54:11 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20091130_220345_000057382084_00401_40535_9268.N1 | 113 | 30-NOV-2009 22:09:52 |
| ORBIT_DATA_FILE | DOR_NAV_OPNPDE20091130_234442_000057382084_00402_40536_9269.N1 | 137 | 30-NOV-2009 23:50:29 |

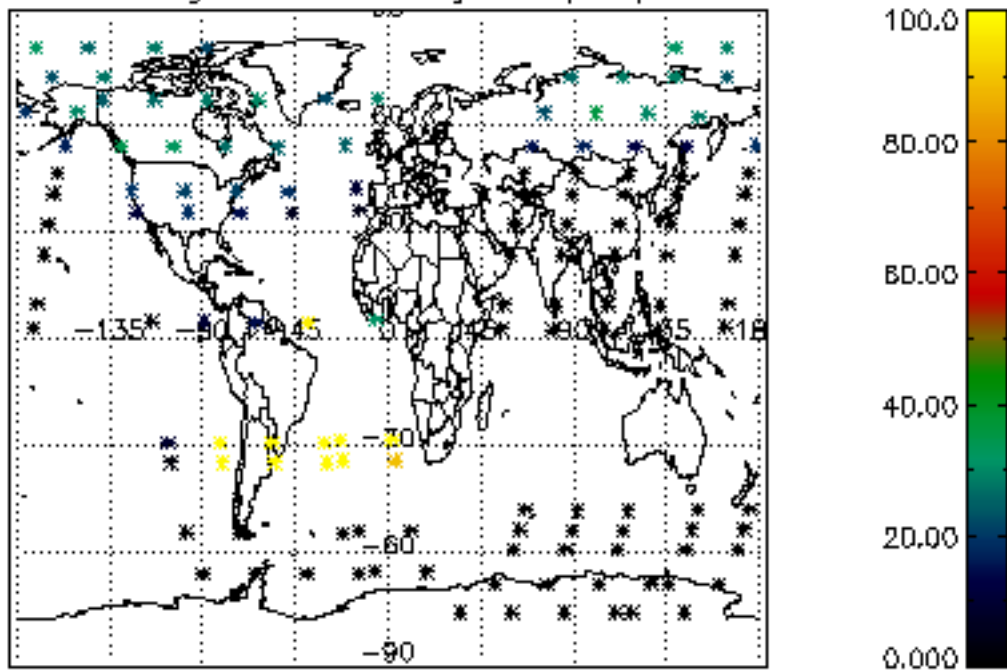




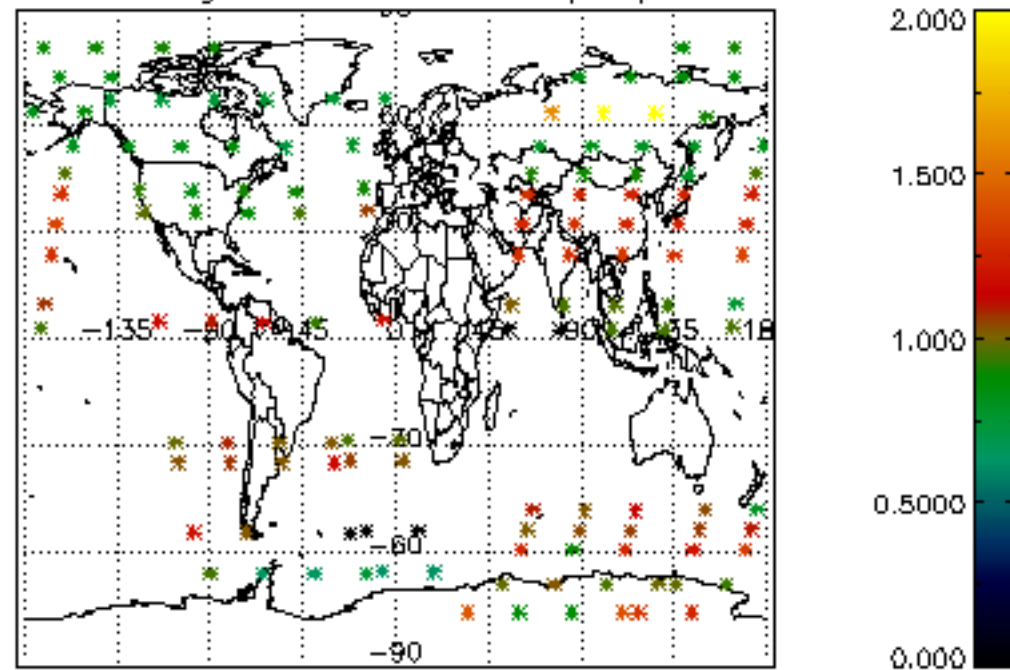




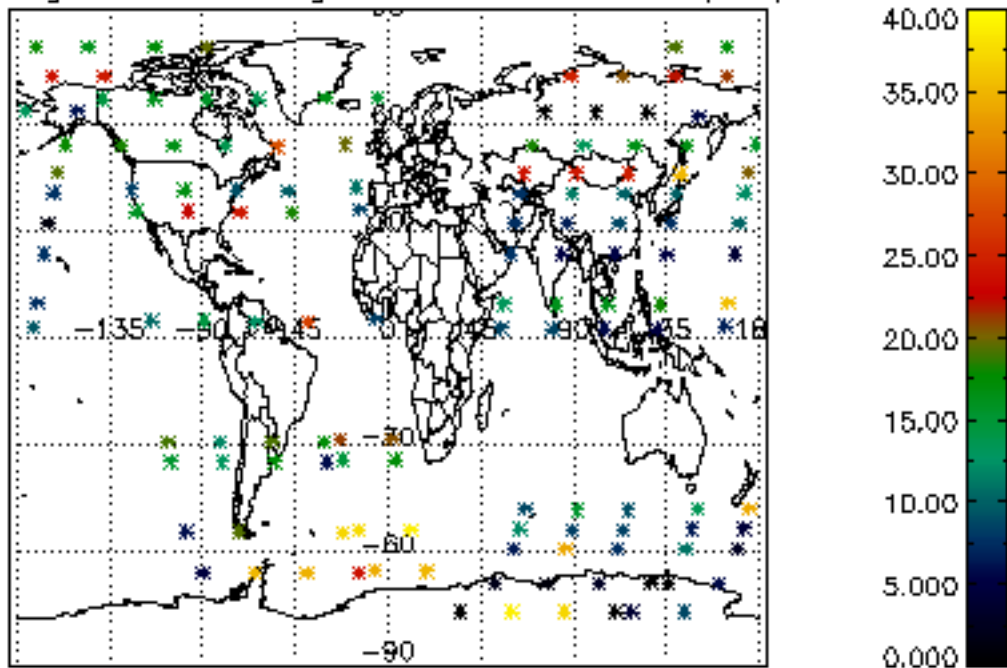
Percentage of cosmic ray hits per profile



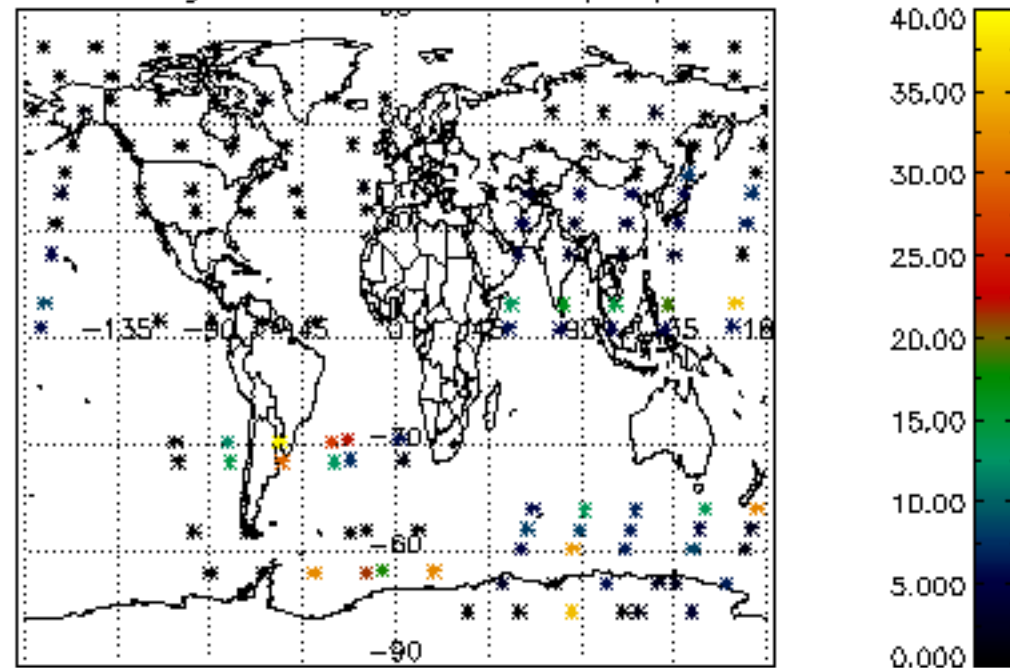
Percentage of datation errors per profile



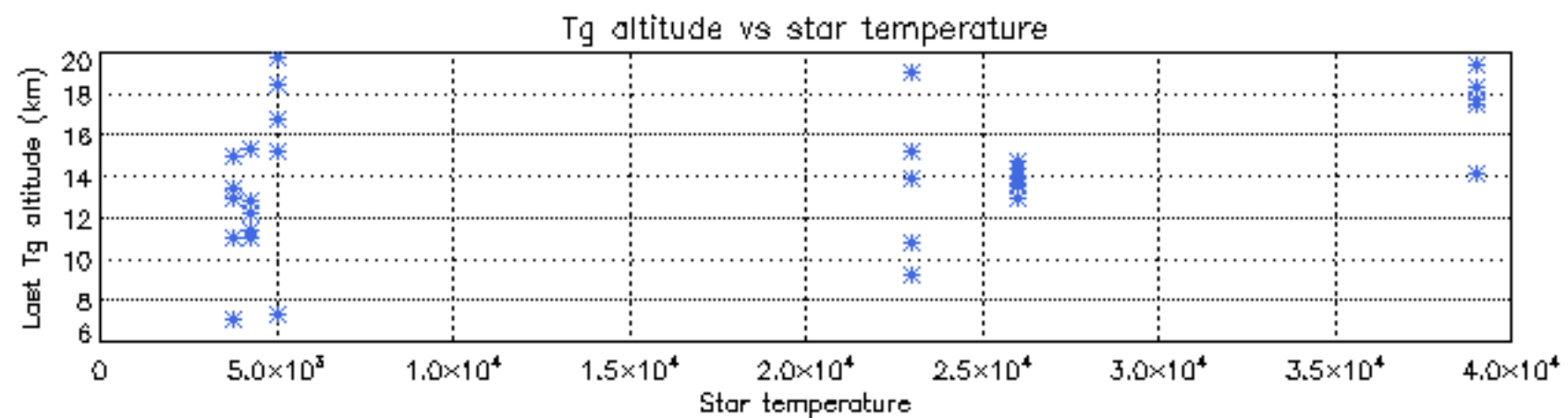
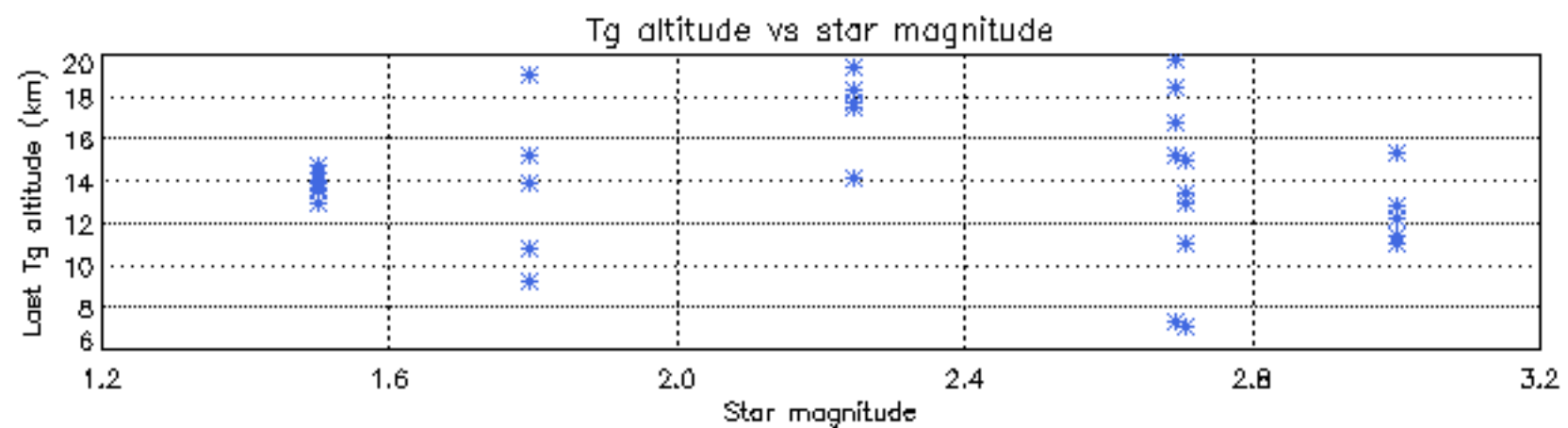
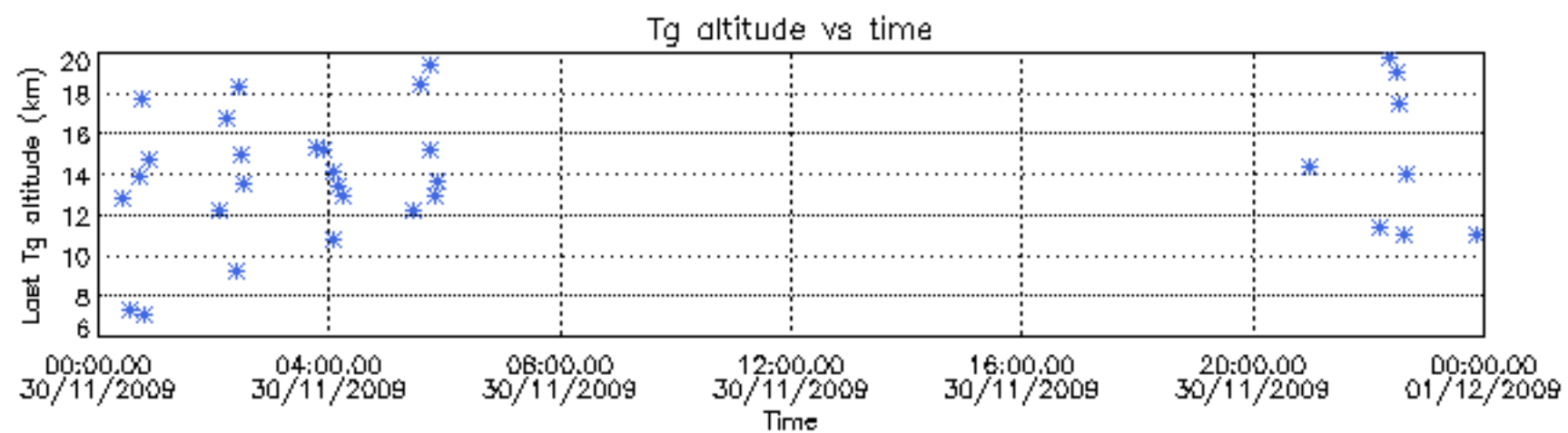
Percentage of star falling outside central band per profile



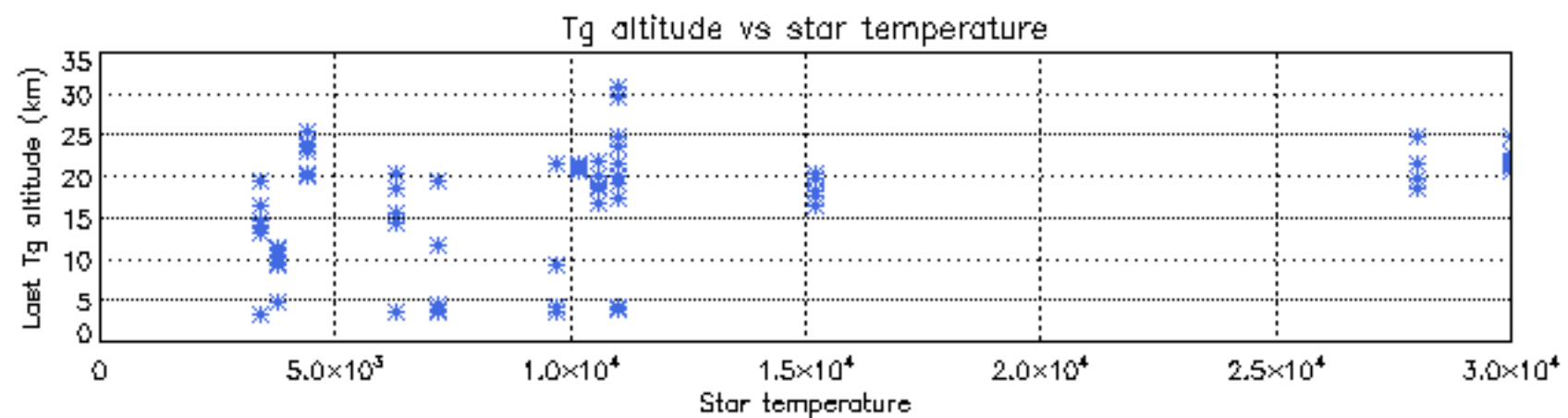
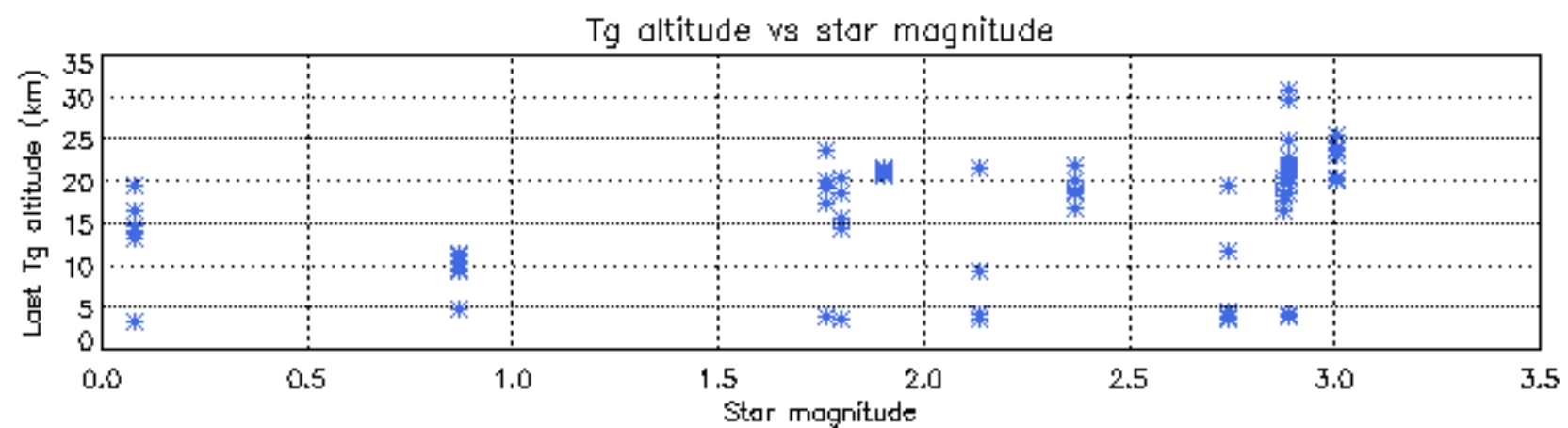
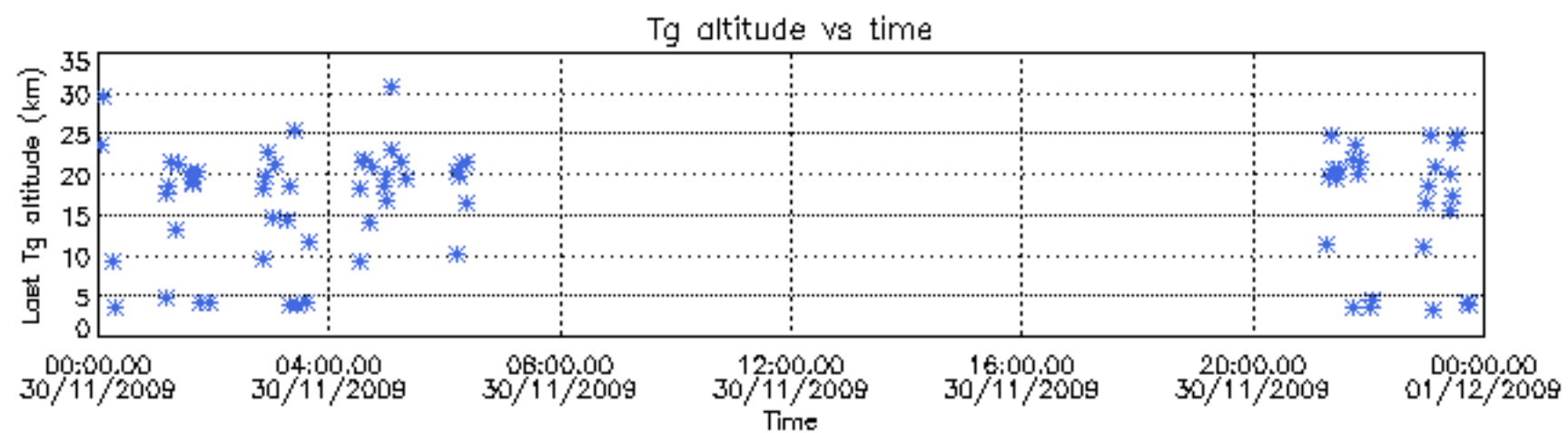
Percentage of saturation errors per profile



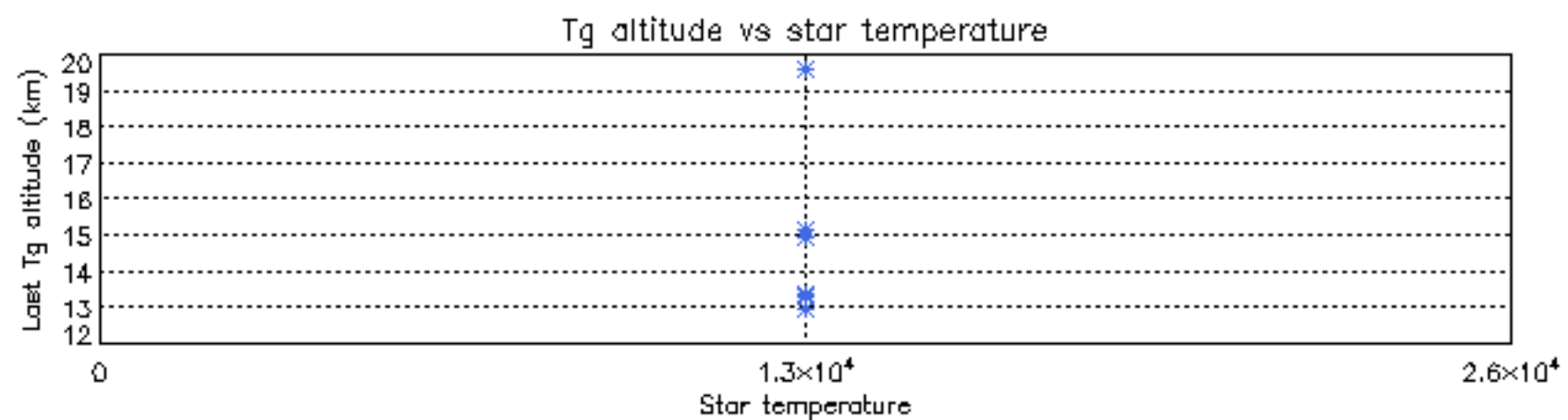
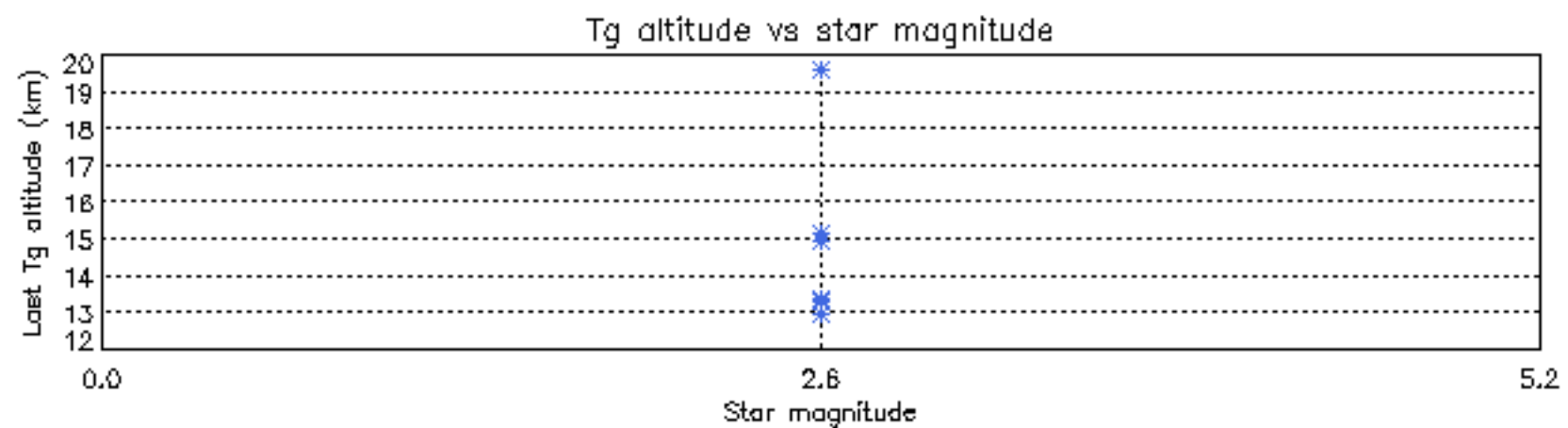
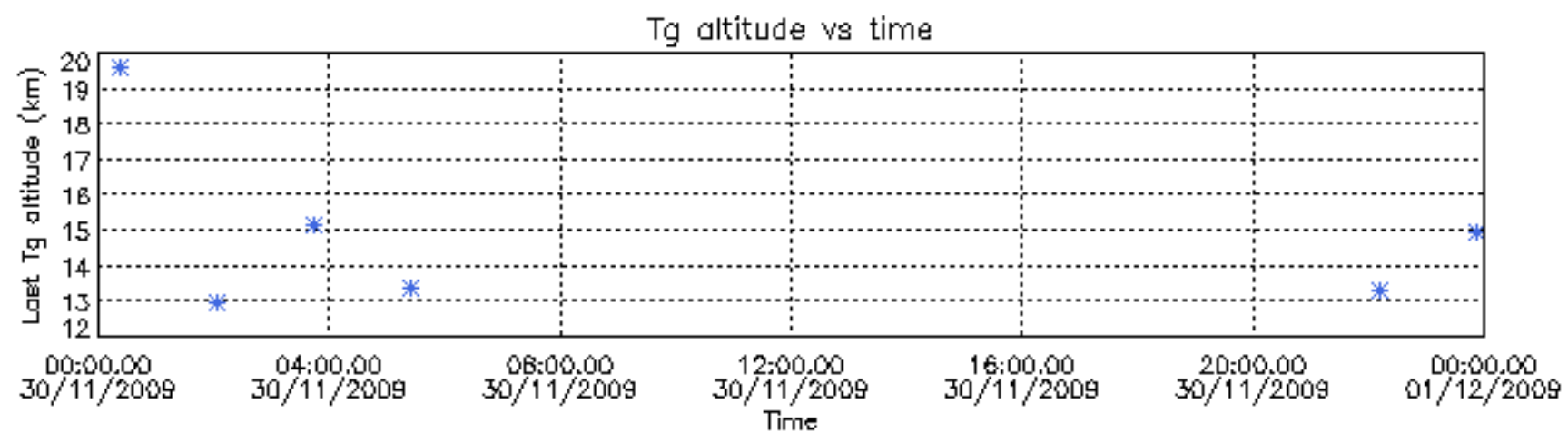
Tangent altitude at which the star is lost

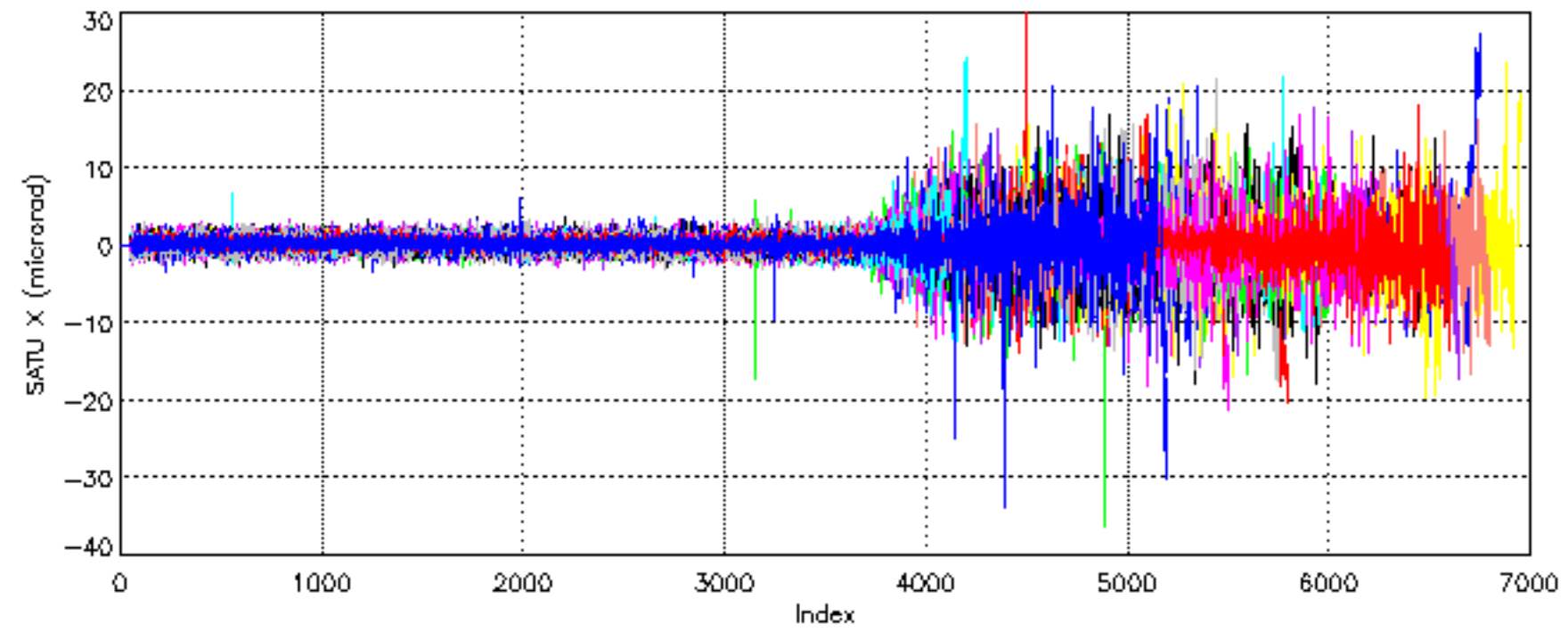


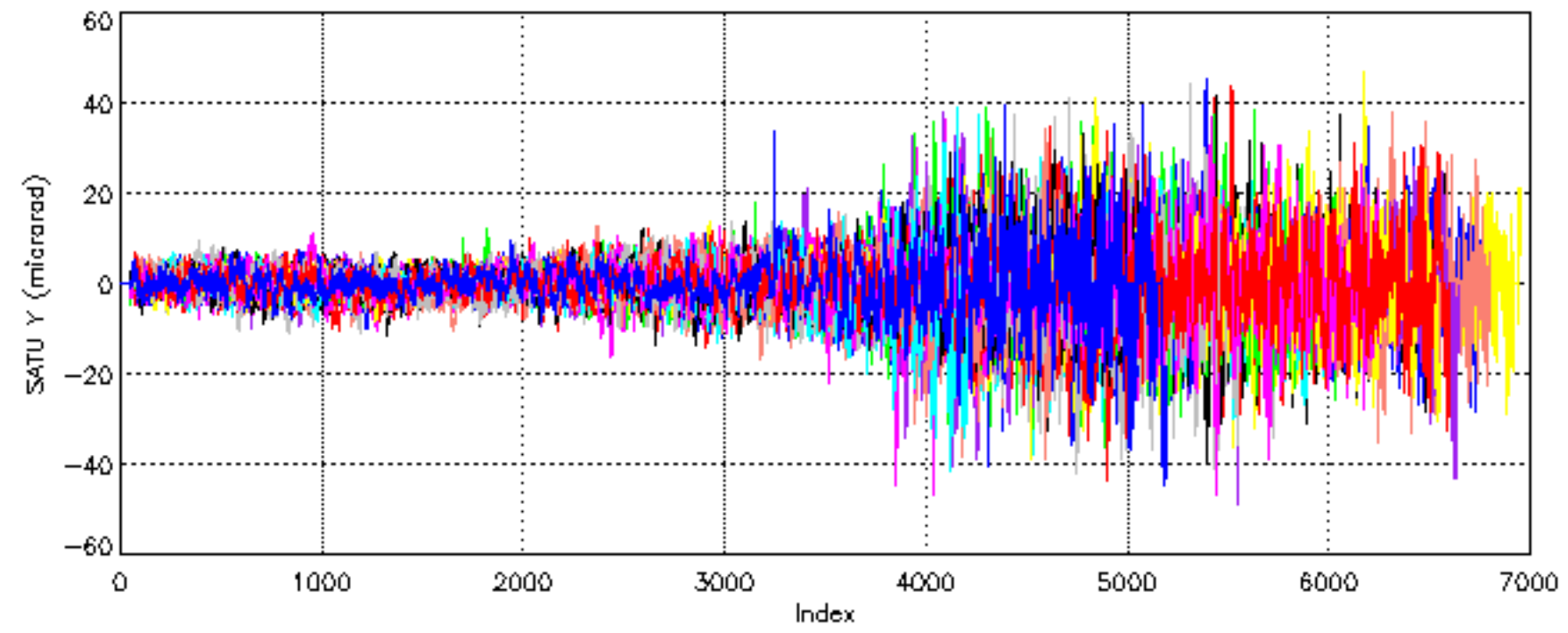
Tangent altitude at which the star is lost

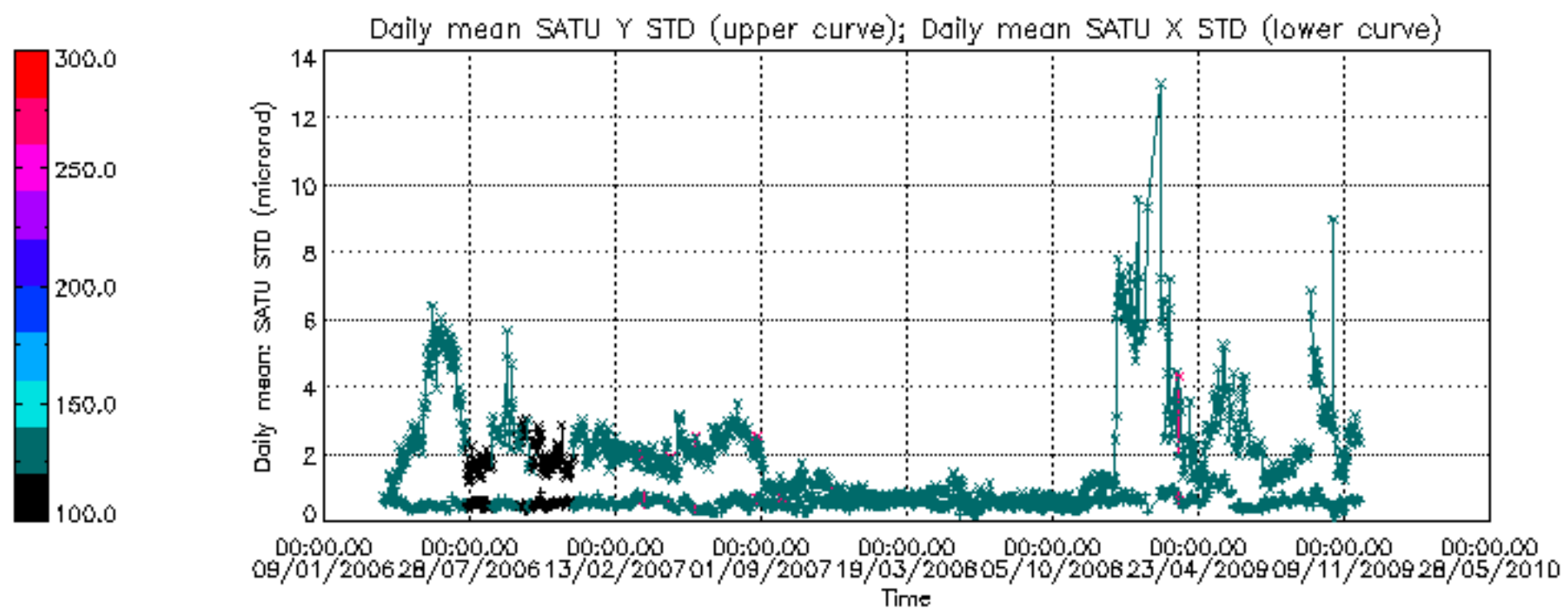


Tangent altitude at which the star is lost









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 3; 197.6; 01-NOV-2009 00:46:32; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;40108
 4; 348.1; 01-NOV-2009 00:49:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40108
 5; 524.1; 01-NOV-2009 00:51:59; Dark ; 51.0; 2; Alp Car ;-0.74; 7000;occ; 102; 0;40108
 6; 908.8; 01-NOV-2009 00:58:23; Dark ; 29.0; 108; Alp Col ; 2.65; 15200;occ; 58; 0;40108
 7; 2010.3; 01-NOV-2009 01:16:45; Dark ; 58.0; 94; 92Alp Cet ; 2.53; 3100;occ; 116; 0;40108
 8; 2273.3; 01-NOV-2009 01:21:08; Bright; 40.0; 105; 6Bet Ari ; 2.64; 8900;occ; 80; 0;40108
 9; 2538.3; 01-NOV-2009 01:25:33; Bright; 39.5; 173; 4Bet Tri ; 3.00; 8900;occ; 79; 0;40108
 10; 2660.8; 01-NOV-2009 01:27:35; Bright; 41.5; 73; 57Gam1And ; 2.26; 13100;occ; 83; 0;40108
 11; 2742.1; 01-NOV-2009 01:28:57; Bright; 46.0; 79; 26Bet Per ; 2.31; 13100;occ; 92; 0;40108
 12; 2934.3; 01-NOV-2009 01:32:09; Bright; 42.0; 160; 23Gam Per ; 2.93; 4700;occ; 84; 0;40108
 13; 3911.9; 01-NOV-2009 01:48:27; Bright; 38.5; 36; 50Alp UMa ; 1.80; 6300;occ; 77; 0;40108
 14; 4008.4; 01-NOV-2009 01:50:03; Bright; 38.0; 82; 48Bet UMa ; 2.37; 10600;occ; 76; 0;40108
 15; 4229.5; 01-NOV-2009 01:53:44; Bright; 38.5; 174; 52Psi UMa ; 3.00; 4400;occ; 77; 0;40108
 16; 4709.7; 01-NOV-2009 02:01:44; Bright; 46.0; 166; 17Eps Leo ; 2.98; 6000;occ; 92; 0;40108
 17; 4938.4; 01-NOV-2009 02:05:33; Bright; 58.0; 22; 32Alp Leo ; 1.36; 15200;occ; 116; 0;40108

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1; -532.5; 01-NOV-2009 02:14:58; Dark ; 66.0; 48; 30Alp Hya ; 1.98; 4100;occ; 132; 0;40108
 2; -18.6; 01-NOV-2009 02:23:32; Dark ; 45.5; 65; Lam Vel ; 2.20; 4400;occ; 91; 0;40108
 3; 198.7; 01-NOV-2009 02:27:09; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;40109
 4; 349.0; 01-NOV-2009 02:29:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40109
 5; 525.4; 01-NOV-2009 02:32:36; Dark ; 48.0; 2; Alp Car ;-0.74; 7000;occ; 96; 0;40109
 6; 910.1; 01-NOV-2009 02:39:01; Dark ; 29.0; 108; Alp Col ; 2.65; 15200;occ; 58; 0;40109
 7; 2010.1; 01-NOV-2009 02:57:21; Dark ; 56.5; 94; 92Alp Cet ; 2.53; 3100;occ; 113; 0;40109
 8; 2273.2; 01-NOV-2009 03:01:44; Bright; 38.5; 105; 6Bet Ari ; 2.64; 8900;occ; 77; 0;40109
 9; 2538.6; 01-NOV-2009 03:06:09; Bright; 39.0; 173; 4Bet Tri ; 3.00; 8900;occ; 78; 0;40109
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 3; -1806.5; 01-NOV-2009 03:34:20; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;40109
 4; -1325.9; 01-NOV-2009 03:42:21; Bright; 46.0; 166; 17Eps Leo ; 2.98; 6000;occ; 92; 0;40109
 5; -1096.7; 01-NOV-2009 03:46:10; Bright; 53.0; 22; 32Alp Leo ; 1.36; 15200;occ; 106; 0;40109
 6; -531.1; 01-NOV-2009 03:55:35; Dark ; 66.0; 48; 30Alp Hya ; 1.98; 4100;occ; 132; 0;40109
 7; -17.4; 01-NOV-2009 04:04:09; Dark ; 52.5; 65; Lam Vel ; 2.20; 4400;occ; 105; 0;40109
 8; 199.8; 01-NOV-2009 04:07:46; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40110
 9; 349.9; 01-NOV-2009 04:10:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40110
 10; 526.2; 01-NOV-2009 04:13:13; Dark ; 50.0; 2; Alp Car ;-0.74; 7000;occ; 100; 0;40110
 11; 911.1; 01-NOV-2009 04:19:38; Dark ; 31.0; 108; Alp Col ; 2.65; 15200;occ; 62; 0;40110
 12; 2010.0; 01-NOV-2009 04:37:57; Dark ; 53.5; 94; 92Alp Cet ; 2.53; 3100;occ; 107; 0;40110
 13; 2273.1; 01-NOV-2009 04:42:20; Bright; 40.0; 105; 6Bet Ari ; 2.64; 8900;occ; 80; 0;40110
 14; 2538.3; 01-NOV-2009 04:46:45; Bright; 40.0; 173; 4Bet Tri ; 3.00; 8900;occ; 80; 0;40110
 15; 2933.6; 01-NOV-2009 04:53:20; Bright; 41.5; 160; 23Gam Per ; 2.93; 4700;occ; 83; 0;40110

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 3; -1806.2; 01-NOV-2009 05:14:56; Bright; 56.0; 174; 52Psi UMa ; 3.00; 4400;occ; 112; 0;40110
 4; -1325.3; 01-NOV-2009 05:22:57; Bright; 38.0; 166; 17Eps Leo ; 2.98; 6000;occ; 76; 0;40110
 5; -1096.0; 01-NOV-2009 05:26:47; Bright; 55.0; 22; 32Alp Leo ; 1.36; 15200;occ; 110; 0;40110
 6; -529.7; 01-NOV-2009 05:36:13; Dark ; 59.0; 48; 30Alp Hya ; 1.98; 4100;occ; 118; 0;40110
 7; -16.7; 01-NOV-2009 05:44:46; Dark ; 58.0; 65; Lam Vel ; 2.20; 4400;occ; 116; 0;40110
 8; 200.7; 01-NOV-2009 05:48:23; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40111
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 3; 2271.6; 01-NOV-2009 21:28:18; Bright; 39.0; 105; 6Bet Ari ; 2.64; 8900;occ; 78; 0;40120

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6; 2928.5; 01-NOV-2009 21:39:14; Bright; 41.5; 160; 23Gam Per ; 2.93; 4700;occ; 83; 0;40120
7; 3910.8; 01-NOV-2009 21:55:37; Bright; 41.0; 36; 50Alp UMa ; 1.80; 6300;occ; 82; 0;40120
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9; 4229.7; 01-NOV-2009 22:00:56; Bright; 40.0; 174; 52Psi UMa ; 3.00; 4400;occ; 80; 0;40120
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8; 2535.0; 01-NOV-2009 23:13:17; Bright; 37.5; 173; 4Bet Tri ; 3.00; 8900;occ; 75; 0;40121
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13; 6072.8; 05-NOV-2009 10:21:35; Dark ; 47.5; 65; Lam Vel ; 2.20; 4400;occ; 95; 0;40170
14; 6215.1; 05-NOV-2009 10:23:57; Dark ; 49.0; 46; Del Vel ; 1.95; 10600;occ; 98; 0;40170
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 11; 4776.1; 05-NOV-2009 11:40:34; Bright; 55.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 111; 0;40171
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 13; 6073.7; 05-NOV-2009 12:02:12; Dark ; 50.5; 65; Lam Vel ; 2.20; 4400;occ; 101; 0;40171
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 13; 6216.4; 05-NOV-2009 13:45:10; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;40172
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 4; 2522.2; 05-NOV-2009 14:24:12; Bright; 37.5; 173; 4Bet Tri ; 3.00; 8900;occ; 75; 0;40173
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7; 581.0; 06-NOV-2009 04:57:14; Dark ; 50.0; 2; Alp Car ;-0.74; 7000;occ; 100; 0;40182
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 4; 2518.7; 06-NOV-2009 18:54:19; Bright; 35.5; 173; 4Bet Tri ; 3.00; 8900;occ; 71; 0;40190
 5; 2642.1; 06-NOV-2009 18:56:23; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;40190
 6; 2872.6; 06-NOV-2009 19:00:13; Bright; 43.0; 35; 33Alp Per ; 1.79; 6250;occ; 86; 0;40190
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 5; 1989.6; 07-NOV-2009 03:08:30; Dark ; 49.5; 94; 92Alp Cet ; 2.53; 3100;occ; 99; 0;40195
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7; 592.0; 07-NOV-2009 06:06:24; Dark ; 53.0; 2; Alp Car ;-0.74; 7000;occ; 106; 0;40197
8; 1634.6; 07-NOV-2009 06:23:47; Dark ; 28.0; 165; 34Gam Eri ; 2.95; 3200;occ; 56; 0;40197
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4; 2516.1; 07-NOV-2009 20:03:16; Bright; 37.5; 173; 4Bet Tri ; 3.00; 8900;occ; 75; 0;40205
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8; 3998.6; 07-NOV-2009 20:27:58; Bright; 43.0; 82; 48Bet UMA ; 2.37; 10600;occ; 86; 0;40205
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4; 2517.6; 07-NOV-2009 08:19:06; Bright; 37.5; 173; 4Bet Tri ; 3.00; 8900;occ; 75; 0;40198
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 4; 2527.3; 19-NOV-2009 13:44:02; Bright; 43.0; 150; 44Zet Per ; 2.89; 28000;occ; 86; 0;40373
 5; 2628.8; 19-NOV-2009 13:45:43; Bright; 39.0; 79; 26Bet Per ; 2.31; 13100;occ; 78; 0;40373
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 24; 7222.5; 28-NOV-2009 13:38:55; Dark ; 54.5; 177; 1Zet CMa ; 3.02; 26000;occ; 109; 0;40501
 25; 7566.7; 28-NOV-2009 13:44:39; Dark ; 30.0; 101; 11Alp Lep ; 2.58; 7000;occ; 60; 0;40501

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 3; 2245.5; 28-NOV-2009 13:56:34; Bright; 54.0; 13; 87Alp Tau ; 0.87; 3800;occ; 108; 0;40502
 4; 2335.0; 28-NOV-2009 13:58:03; Bright; 42.0; 146; 25Eta Tau ; 2.87; 15200;occ; 84; 0;40502
 5; 2479.6; 28-NOV-2009 14:00:28; Bright; 39.0; 150; 44Zet Per ; 2.89; 28000;occ; 78; 0;40502
 6; 2626.7; 28-NOV-2009 14:02:55; Bright; 53.0; 149; 45Eps Per ; 2.89; 30000;occ; 106; 0;40502
 7; 2745.7; 28-NOV-2009 14:04:54; Bright; 37.5; 175; 39Del Per ; 3.01; 19400;occ; 75; 0;40502
 8; 2872.4; 28-NOV-2009 14:07:00; Bright; 48.0; 6; 13Alp Aur ; 0.08; 3400;occ; 96; 0;40502
 9; 2992.7; 28-NOV-2009 14:09:01; Bright; 53.0; 42; 34Bet Aur ; 1.90; 10200;occ; 106; 0;40502
 10; 3832.9; 28-NOV-2009 14:23:01; Bright; 44.0; 36; 50Alp UMa ; 1.80; 6300;occ; 88; 0;40502
 11; 3930.1; 28-NOV-2009 14:24:38; Bright; 48.5; 82; 48Bet UMa ; 2.37; 10600;occ; 97; 0;40502
 12; 4033.3; 28-NOV-2009 14:26:21; Bright; 51.5; 87; 64Gam UMa ; 2.43; 11000;occ; 103; 0;40502
 13; 4196.0; 28-NOV-2009 14:29:04; Bright; 53.0; 174; 52Psi UMa ; 3.00; 4400;occ; 106; 0;40502
 14; 4345.8; 28-NOV-2009 14:31:34; Bright; 57.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 114; 0;40502
 15; 4899.7; 28-NOV-2009 14:40:48; Bright; 56.5; 62; 94Bet Leo ; 2.14; 9700;occ; 113; 0;40502
 16; 5101.3; 28-NOV-2009 14:44:09; Bright; 60.0; 121; 29Gam Vir ; 2.74; 7200;occ; 120; 0;40502
 17; 5433.5; 28-NOV-2009 14:49:42; Dark ; 47.0; 100; 4Gam Crv ; 2.58; 13100;occ; 94; 0;40502
 18; 5528.5; 28-NOV-2009 14:51:17; Dark ; 49.0; 171; 2Eps Crv ; 3.00; 4250;occ; 98; 0;40502
 19; 6097.5; 28-NOV-2009 15:00:46; Dark ; 41.5; 113; Mu Vel ; 2.69; 5000;occ; 83; 0;40502
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 21; 6610.7; 28-NOV-2009 15:09:19; Dark ; 51.5; 34; Gam2Vel ; 1.79; 23000;occ; 103; 0;40502
 22; 6710.2; 28-NOV-2009 15:10:58; Dark ; 57.0; 70; Zet Pup ; 2.25; 39000;occ; 114; 0;40502
 23; 6925.4; 28-NOV-2009 15:14:33; Dark ; 58.0; 117; Pi Pup ; 2.71; 3800;occ; 116; 0;40502
 24; 7157.9; 28-NOV-2009 15:18:26; Dark ; 37.0; 23; 21Eps CMa ; 1.50; 26000;occ; 74; 0;40502
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 3; 2245.1; 28-NOV-2009 15:37:09; Bright; 57.0; 13; 87Alp Tau ; 0.87; 3800;occ; 114; 0;40503
 4; 2334.8; 28-NOV-2009 15:38:39; Bright; 40.5; 146; 25Eta Tau ; 2.87; 15200;occ; 81; 0;40503
 5; 2479.5; 28-NOV-2009 15:41:03; Bright; 40.5; 150; 44Zet Per ; 2.89; 28000;occ; 81; 0;40503
 6; 2626.2; 28-NOV-2009 15:43:30; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;40503
 7; 2745.3; 28-NOV-2009 15:45:29; Bright; 38.5; 175; 39Del Per ; 3.01; 19400;occ; 77; 0;40503
 8; 2871.6; 28-NOV-2009 15:47:36; Bright; 56.5; 6; 13Alp Aur ; 0.08; 3400;occ; 113; 0;40503
 9; 2991.6; 28-NOV-2009 15:49:36; Bright; 54.0; 42; 34Bet Aur ; 1.90; 10200;occ; 108; 0;40503
 10; 3833.1; 28-NOV-2009 16:03:37; Bright; 49.0; 36; 50Alp UMa ; 1.80; 6300;occ; 98; 0;40503
 11; 3930.0; 28-NOV-2009 16:05:14; Bright; 47.5; 82; 48Bet UMa ; 2.37; 10600;occ; 95; 0;40503
 12; 4032.9; 28-NOV-2009 16:06:57; Bright; 62.0; 87; 64Gam UMa ; 2.43; 11000;occ; 124; 0;40503
 13; 4195.7; 28-NOV-2009 16:09:40; Bright; 54.5; 174; 52Psi UMa ; 3.00; 4400;occ; 109; 0;40503
 14; 4346.0; 28-NOV-2009 16:12:10; Bright; 40.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 80; 0;40503
 15; 4900.6; 28-NOV-2009 16:21:25; Bright; 56.5; 62; 94Bet Leo ; 2.14; 9700;occ; 113; 0;40503
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 17; 5434.4; 28-NOV-2009 16:30:18; Dark ; 46.5; 100; 4Gam Crv ; 2.58; 13100;occ; 93; 0;40503
 18; 5529.3; 28-NOV-2009 16:31:53; Dark ; 48.5; 171; 2Eps Crv ; 3.00; 4250;occ; 97; 0;40503
 19; 6098.4; 28-NOV-2009 16:41:22; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40503
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 22; 6711.5; 28-NOV-2009 16:51:35; Dark ; 55.5; 70; Zet Pup ; 2.25; 39000;occ; 111; 0;40503
 23; 6926.4; 28-NOV-2009 16:55:10; Dark ; 60.5; 117; Pi Pup ; 2.71; 3800;occ; 121; 0;40503
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 4; 1755.5; 28-NOV-2009 17:09:35; Dark ; 60.5; 7; 19Bet Ori ; 0.10; 14000;occ; 121; 0;40504


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6; 2334.6; 28-NOV-2009 17:19:15; Bright; 39.5; 146; 25Eta Tau ; 2.87; 15200;occ; 79; 0;40504
7; 2479.1; 28-NOV-2009 17:21:39; Bright; 39.5; 150; 44Zet Per ; 2.89; 28000;occ; 79; 0;40504
8; 2625.9; 28-NOV-2009 17:24:06; Bright; 39.0; 149; 45Eps Per ; 2.89; 30000;occ; 78; 0;40504
9; 2745.3; 28-NOV-2009 17:26:05; Bright; 38.0; 175; 39Del Per ; 3.01; 19400;occ; 76; 0;40504
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12; 3832.7; 28-NOV-2009 17:44:13; Bright; 39.5; 36; 50Alp UMa ; 1.80; 6300;occ; 79; 0;40504
13; 3929.8; 28-NOV-2009 17:45:50; Bright; 50.0; 82; 48Bet UMa ; 2.37; 10600;occ; 100; 0;40504
14; 4032.7; 28-NOV-2009 17:47:33; Bright; 45.0; 87; 64Gam UMa ; 2.43; 11000;occ; 90; 0;40504
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16; 4346.1; 28-NOV-2009 17:52:46; Bright; 38.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 76; 0;40504
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19; 5435.1; 28-NOV-2009 18:10:55; Dark ; 48.5; 100; 4Gam Crv ; 2.58; 13100;occ; 97; 0;40504
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21; 6099.3; 28-NOV-2009 18:21:59; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40504
22; 6415.7; 28-NOV-2009 18:27:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40504
23; 6612.6; 28-NOV-2009 18:30:33; Dark ; 51.0; 34; Gam2Vel ; 1.79; 23000;occ; 102; 0;40504
24; 6712.7; 28-NOV-2009 18:32:13; Dark ; 56.0; 70; Zet Pup ; 2.25; 39000;occ; 112; 0;40504
25; 6927.2; 28-NOV-2009 18:35:47; Dark ; 60.5; 117; Pi Pup ; 2.71; 3800;occ; 121; 0;40504
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2; 1188.3; 28-NOV-2009 18:40:44; Dark ; 55.0; 177; 1Zet CMA ; 3.02; 26000;occ; 110; 0;40505
3; 1531.2; 28-NOV-2009 18:46:27; Dark ; 56.0; 101; 11Alp Lep ; 2.58; 7000;occ; 112; 0;40505
4; 1755.3; 28-NOV-2009 18:50:11; Dark ; 60.0; 7; 19Bet Ori ; 0.10; 14000;occ; 120; 0;40505
5; 2244.3; 28-NOV-2009 18:58:20; Bright; 56.5; 13; 87Alp Tau ; 0.87; 3800;occ; 113; 0;40505
6; 2334.4; 28-NOV-2009 18:59:50; Bright; 39.0; 146; 25Eta Tau ; 2.87; 15200;occ; 78; 0;40505
7; 2478.9; 28-NOV-2009 19:02:15; Bright; 39.0; 150; 44Zet Per ; 2.89; 28000;occ; 78; 0;40505
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9; 2744.9; 28-NOV-2009 19:06:41; Bright; 37.0; 175; 39Del Per ; 3.01; 19400;occ; 74; 0;40505
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13; 3929.4; 28-NOV-2009 19:26:25; Bright; 47.0; 82; 48Bet UMa ; 2.37; 10600;occ; 94; 0;40505
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22; 6416.6; 28-NOV-2009 20:07:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40505
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2; -502.8; 29-NOV-2009 00:54:57; Dark ; 50.0; 171; 2Eps Crv ; 3.00; 4250;occ; 100; 0;40508
3; 66.1; 29-NOV-2009 01:04:26; Dark ; 41.5; 113; Mu Vel ; 2.69; 5000;occ; 83; 0;40509
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6; 680.8; 29-NOV-2009 01:14:40; Dark ; 55.0; 70; Zet Pup ; 2.25; 39000;occ; 110; 0;40509
7; 894.6; 29-NOV-2009 01:18:14; Dark ; 57.5; 117; Pi Pup ; 2.71; 3800;occ; 115; 0;40509
8; 1126.5; 29-NOV-2009 01:22:06; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;40509
9; 1531.7; 29-NOV-2009 01:28:51; Dark ; 55.0; 101; 11Alp Lep ; 2.58; 7000;occ; 110; 0;40509
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13; 2477.5; 29-NOV-2009 01:44:37; Bright; 39.5; 150; 44Zet Per ; 2.89; 28000;occ; 79; 0;40509
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 8; 384.0; 29-NOV-2009 02:50:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40510
 9; 581.1; 29-NOV-2009 02:53:36; Dark ; 62.0; 34; Gam2Vel ; 1.79; 23000;occ; 124; 0;40510
 10; 682.1; 29-NOV-2009 02:55:17; Dark ; 56.5; 70; Zet Pup ; 2.25; 39000;occ; 113; 0;40510
 11; 895.6; 29-NOV-2009 02:58:51; Dark ; 63.0; 117; Pi Pup ; 2.71; 3800;occ; 126; 0;40510
 12; 1127.2; 29-NOV-2009 03:02:43; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 0;40510
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19; 5117.9; 30-NOV-2009 18:42:59; Bright; 61.0; 121; 29Gam Vir ; 2.74; 7200;occ; 122; 0;40533
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