

GOMOS Daily Report 19-SEP-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 | 22SEP2011 07:03:23 |
| Data source version | GOMOS/6.01 |
| Start time of products | 19SEP2011 00:04:55 |
| Stop time of products | 19SEP2011 23:49:05 |
| Store outputs in DB | Yes |
| Nb of level 1b prods | 126 |
| Nb of prods with errors | 1 |

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

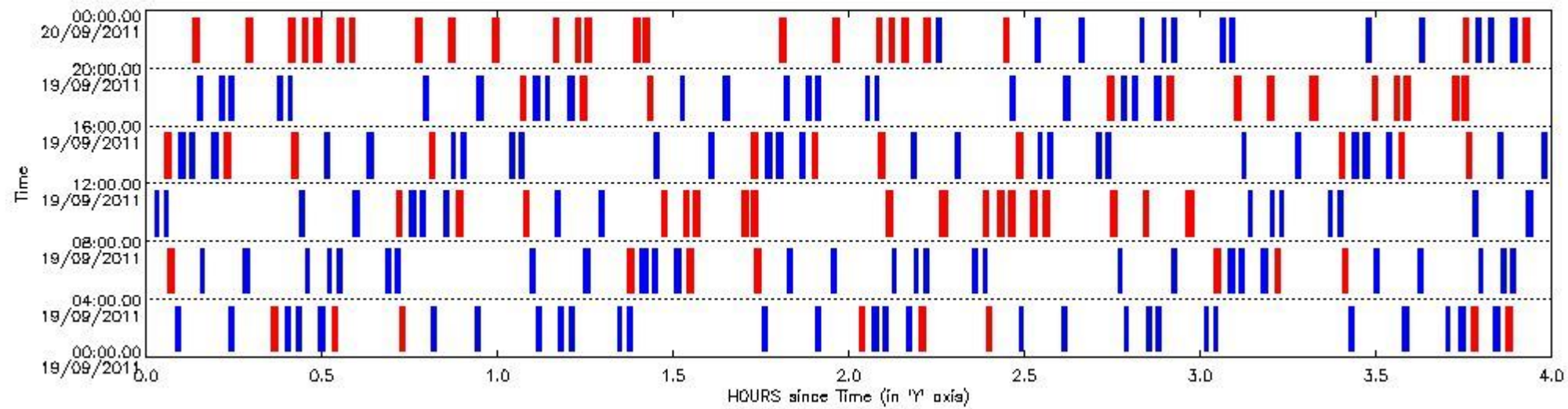
2.1 Level 0 products arrived in PCF (see template [here](#))

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).



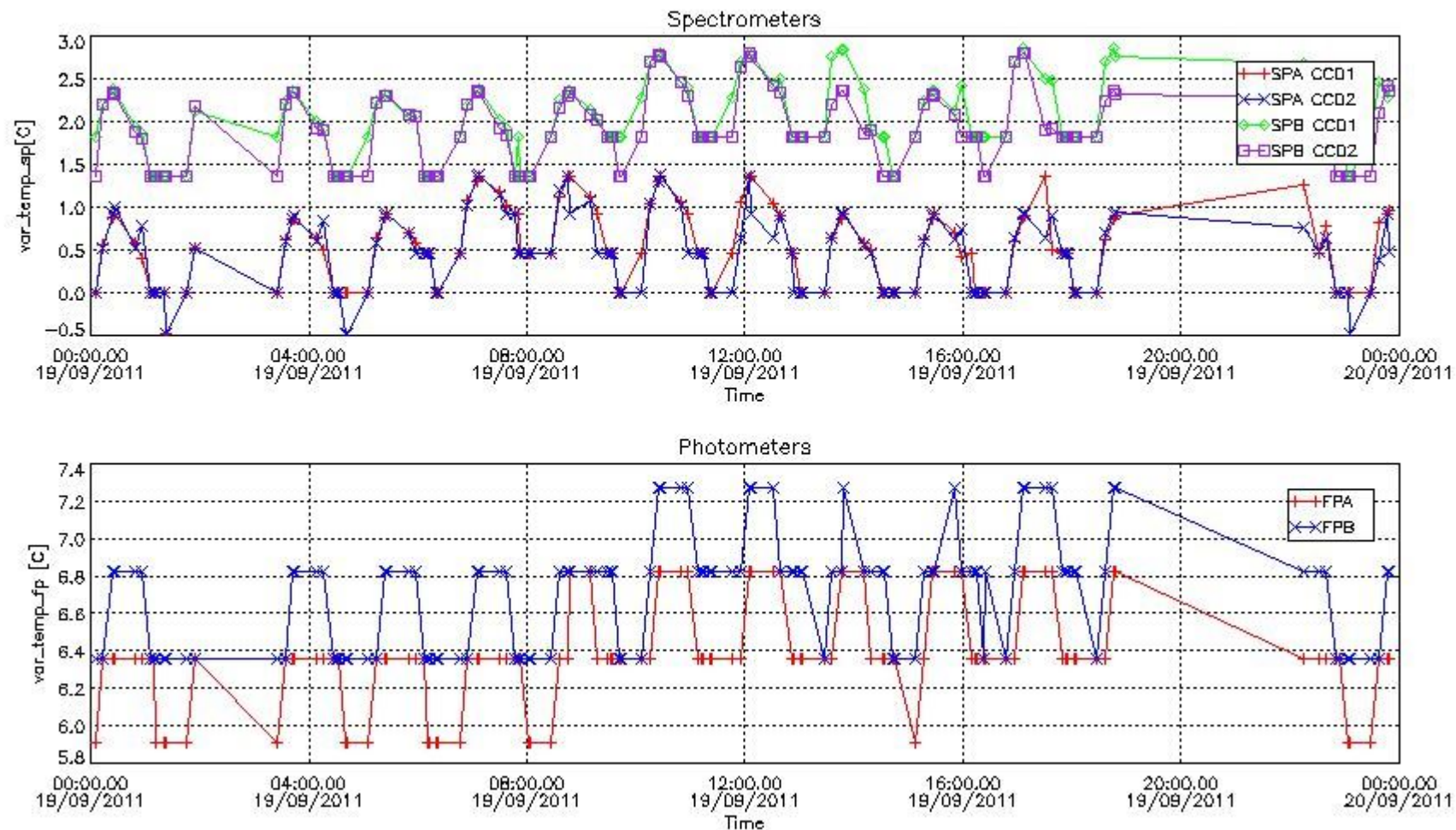
2.3 Summary of missing occultations (red segments in previous plot)

| UTC start time | Star name | Star ID | Orbit |
|----------------------|-----------|---------|-------|
| 19-SEP-2011 00:21:26 | 15RhoPup | 132 | 49958 |
| 19-SEP-2011 00:31:41 | AlpCar | 2 | 49959 |
| 19-SEP-2011 00:43:11 | AlpEri | 9 | 49959 |
| 19-SEP-2011 02:01:41 | 15RhoPup | 132 | 49959 |
| 19-SEP-2011 02:11:56 | AlpCar | 2 | 49960 |
| 19-SEP-2011 02:23:26 | AlpEri | 9 | 49960 |
| 19-SEP-2011 03:46:10 | 21EpsCMa | 23 | 49960 |
| 19-SEP-2011 03:52:10 | AlpCar | 2 | 49961 |
| 19-SEP-2011 04:03:40 | AlpEri | 9 | 49961 |
| 19-SEP-2011 05:22:10 | 15RhoPup | 132 | 49961 |
| 19-SEP-2011 05:32:25 | AlpCar | 2 | 49962 |
| 19-SEP-2011 05:43:55 | AlpEri | 9 | 49962 |
| 19-SEP-2011 07:02:24 | 15RhoPup | 132 | 49962 |
| 19-SEP-2011 07:12:40 | AlpCar | 2 | 49963 |
| 19-SEP-2011 07:24:09 | AlpEri | 9 | 49963 |

| | | | |
|----------------------|----------|-----|-------|
| 19-SEP-2011 08:42:39 | 15RhoPup | 132 | 49963 |
| 19-SEP-2011 08:52:54 | AlpCar | 2 | 49964 |
| 19-SEP-2011 09:04:23 | AlpEri | 9 | 49964 |
| 19-SEP-2011 09:27:54 | 54AlpPeg | 90 | 49964 |
| 19-SEP-2011 09:31:41 | 53BetPeg | 93 | 49964 |
| 19-SEP-2011 09:33:19 | 21AlpAnd | 58 | 49964 |
| 19-SEP-2011 09:41:40 | 11BetCas | 74 | 49964 |
| 19-SEP-2011 09:43:20 | 27GamCas | 76 | 49964 |
| 19-SEP-2011 10:06:24 | 66AlpGem | 24 | 49964 |
| 19-SEP-2011 10:15:32 | 10AlpCMi | 8 | 49964 |
| 19-SEP-2011 10:22:53 | 15RhoPup | 132 | 49964 |
| 19-SEP-2011 10:25:13 | 9AlpCMa | 1 | 49964 |
| 19-SEP-2011 10:27:10 | 21EpsCMa | 23 | 49964 |
| 19-SEP-2011 10:31:03 | DSA1059 | 0 | 49964 |
| 19-SEP-2011 10:33:09 | AlpCar | 2 | 49965 |
| 19-SEP-2011 10:44:38 | AlpEri | 9 | 49965 |
| 19-SEP-2011 10:50:14 | AlpPhe | 84 | 49965 |
| 19-SEP-2011 10:57:36 | 16BetCet | 52 | 49965 |
| 19-SEP-2011 12:03:08 | 15RhoPup | 132 | 49965 |
| 19-SEP-2011 12:13:23 | AlpCar | 2 | 49966 |
| 19-SEP-2011 12:24:52 | AlpEri | 9 | 49966 |
| 19-SEP-2011 12:48:22 | 54AlpPeg | 90 | 49966 |
| 19-SEP-2011 13:43:23 | 15RhoPup | 132 | 49966 |
| 19-SEP-2011 13:53:38 | AlpCar | 2 | 49967 |
| 19-SEP-2011 14:05:07 | AlpEri | 9 | 49967 |
| 19-SEP-2011 14:28:36 | 54AlpPeg | 90 | 49967 |
| 19-SEP-2011 15:23:37 | 15RhoPup | 132 | 49967 |
| 19-SEP-2011 15:33:53 | AlpCar | 2 | 49968 |
| 19-SEP-2011 15:45:21 | AlpEri | 9 | 49968 |
| 19-SEP-2011 17:03:52 | 15RhoPup | 132 | 49968 |
| 19-SEP-2011 17:14:07 | AlpCar | 2 | 49969 |
| 19-SEP-2011 17:25:36 | AlpEri | 9 | 49969 |
| 19-SEP-2011 18:44:06 | 15RhoPup | 132 | 49969 |
| 19-SEP-2011 18:54:22 | AlpCar | 2 | 49970 |
| 19-SEP-2011 19:05:50 | AlpEri | 9 | 49970 |
| 19-SEP-2011 19:11:26 | AlpPhe | 84 | 49970 |
| 19-SEP-2011 19:18:46 | 16BetCet | 52 | 49970 |
| 19-SEP-2011 19:29:18 | 54AlpPeg | 90 | 49970 |
| 19-SEP-2011 19:33:04 | 53BetPeg | 93 | 49970 |
| 19-SEP-2011 19:34:39 | 21AlpAnd | 58 | 49970 |
| 19-SEP-2011 19:43:02 | 11BetCas | 74 | 49970 |
| 19-SEP-2011 19:44:41 | 27GamCas | 76 | 49970 |
| 19-SEP-2011 20:07:48 | 66AlpGem | 24 | 49970 |
| 19-SEP-2011 20:16:59 | 10AlpCMi | 8 | 49970 |
| 19-SEP-2011 20:24:21 | 15RhoPup | 132 | 49970 |
| 19-SEP-2011 20:26:44 | 9AlpCMa | 1 | 49970 |
| 19-SEP-2011 20:28:39 | 21EpsCMa | 23 | 49970 |
| 19-SEP-2011 20:32:33 | DSA1059 | 0 | 49970 |
| 19-SEP-2011 20:34:37 | AlpCar | 2 | 49971 |
| 19-SEP-2011 20:46:04 | AlpEri | 9 | 49971 |
| 19-SEP-2011 20:51:40 | AlpPhe | 84 | 49971 |
| 19-SEP-2011 20:59:01 | 16BetCet | 52 | 49971 |
| 19-SEP-2011 21:09:32 | 54AlpPeg | 90 | 49971 |
| 19-SEP-2011 21:13:17 | 53BetPeg | 93 | 49971 |
| 19-SEP-2011 21:14:53 | 21AlpAnd | 58 | 49971 |
| 19-SEP-2011 21:23:15 | 11BetCas | 74 | 49971 |
| 19-SEP-2011 21:24:54 | 27GamCas | 76 | 49971 |
| 19-SEP-2011 21:48:02 | 66AlpGem | 24 | 49971 |
| 19-SEP-2011 21:57:14 | 10AlpCMi | 8 | 49971 |

| | | | | | | | | | | | |
|-----|--|----------------------|----------------|--------|----|-----------|----------|--------|-----|-------|----|
| 107 | GOM_TRA_1PNPDK20110919_175246_000000423106_00386_49969_7304.N1 | 19-SEP-2011 17:52:46 | Bright | 41.500 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 83 | 49969 | No |
| 108 | GOM_TRA_1PNPDK20110919_175422_000000473106_00386_49969_7305.N1 | 19-SEP-2011 17:54:22 | Bright | 46.500 | 58 | 21Alp And | 2.0730 | 11000. | 93 | 49969 | No |
| 109 | GOM_TRA_1PNPDK20110919_180244_000000403106_00386_49969_7306.N1 | 19-SEP-2011 18:02:44 | Bright | 39.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 79 | 49969 | No |
| 110 | GOM_TRA_1PNPDK20110919_180423_000000423106_00386_49969_7307.N1 | 19-SEP-2011 18:04:23 | Bright | 41.500 | 76 | 27Gam Cas | 2.3000 | 30000. | 83 | 49969 | No |
| 111 | GOM_TRA_1PNPDK20110919_182730_000000483106_00386_49969_7308.N1 | 19-SEP-2011 18:27:30 | Bright | 47.500 | 24 | 66Alp Gem | 1.5800 | 10200. | 95 | 49969 | No |
| 112 | GOM_TRA_1PNPDK20110919_183641_000000603106_00386_49969_7309.N1 | 19-SEP-2011 18:36:41 | Dark | 59.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 119 | 49969 | No |
| 113 | GOM_TRA_1PNPDK20110919_184625_000000553106_00386_49969_7310.N1 | 19-SEP-2011 18:46:25 | Dark | 55.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 110 | 49969 | No |
| 114 | GOM_TRA_1PNPDK20110919_184820_000000543106_00386_49969_7311.N1 | 19-SEP-2011 18:48:20 | Dark | 54.000 | 23 | 21Eps CMa | 1.5020 | 26000. | 108 | 49969 | No |
| 115 | GOM_TRA_1PNPDE20110919_221447_000000553106_00389_49972_9050.N1 | 19-SEP-2011 22:14:47 | Dark | 55.000 | 2 | Alp Car | -0.73600 | 7000.0 | 110 | 49972 | No |
| 116 | GOM_TRA_1PNPDE20110919_223150_000000453106_00389_49972_9051.N1 | 19-SEP-2011 22:31:50 | Straylight | 44.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 89 | 49972 | No |
| 117 | GOM_TRA_1PNPDE20110919_223911_000000553106_00389_49972_9052.N1 | 19-SEP-2011 22:39:11 | Twilight_stray | 54.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 109 | 49972 | No |
| 118 | GOM_TRA_1PNPDE20110919_224941_000000393106_00389_49972_9053.N1 | 19-SEP-2011 22:49:41 | Bright | 38.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 77 | 49972 | No |
| 119 | GOM_TRA_1PNPDE20110919_225327_000000413106_00389_49972_9054.N1 | 19-SEP-2011 22:53:27 | Bright | 41.000 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 82 | 49972 | No |
| 120 | GOM_TRA_1PNPDE20110919_225502_000000453106_00389_49972_9055.N1 | 19-SEP-2011 22:55:02 | Bright | 45.000 | 58 | 21Alp And | 2.0730 | 11000. | 90 | 49972 | No |
| 121 | GOM_TRA_1PNPDE20110919_230325_000000413106_00389_49972_9056.N1 | 19-SEP-2011 23:03:25 | Bright | 40.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 81 | 49972 | No |
| 122 | GOM_TRA_1PNPDE20110919_230503_000000423106_00389_49972_9057.N1 | 19-SEP-2011 23:05:03 | Bright | 41.500 | 76 | 27Gam Cas | 2.3000 | 30000. | 83 | 49972 | No |
| 123 | GOM_TRA_1PNPDE20110919_232812_000000473106_00389_49972_9058.N1 | 19-SEP-2011 23:28:12 | Bright | 46.500 | 24 | 66Alp Gem | 1.5800 | 10200. | 93 | 49972 | No |
| 124 | GOM_TRA_1PNPDE20110919_233724_000000573106_00389_49972_9059.N1 | 19-SEP-2011 23:37:24 | Dark | 56.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 113 | 49972 | No |
| 125 | GOM_TRA_1PNPDE20110919_234711_000000413106_00389_49972_9088.N1 | 19-SEP-2011 23:47:11 | Dark | 41.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 82 | 49972 | No |
| 126 | GOM_TRA_1PNPDE20110919_234905_000000503106_00389_49972_9089.N1 | 19-SEP-2011 23:49:05 | Dark | 49.500 | 23 | 21Eps CMa | 1.5020 | 26000. | 99 | 49972 | No |

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



4. Overview of dark signal processing per product

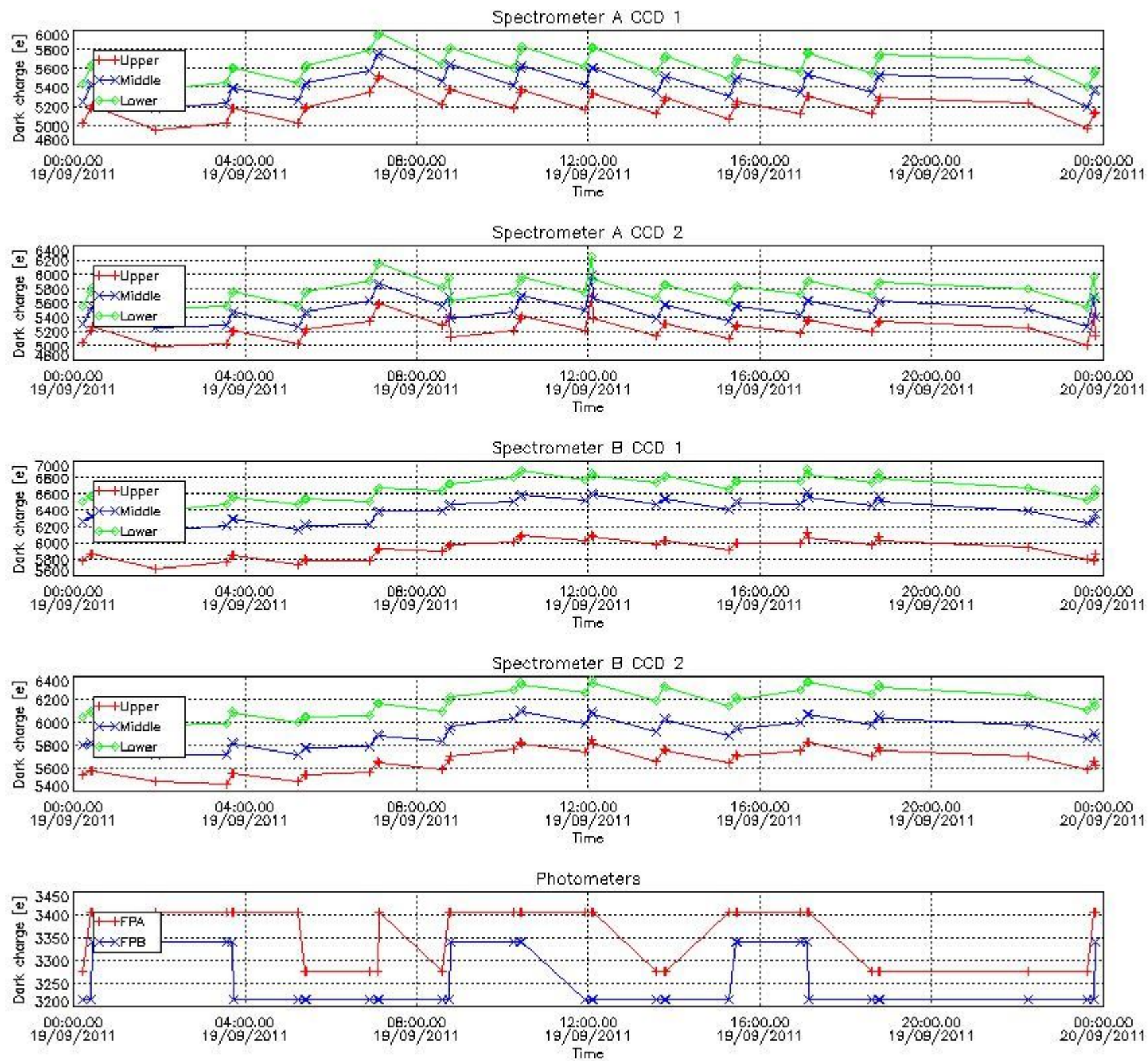
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20110919_221447_000000553106_00389_49972_9050.N1 | DC map used |
| GOM_TRA_1PNPDE20110919_223150_000000453106_00389_49972_9051.N1 | DC map used |
| GOM_TRA_1PNPDE20110919_223911_000000553106_00389_49972_9052.N1 | DC map used |
| GOM_TRA_1PNPDE20110919_224941_000000393106_00389_49972_9053.N1 | DC map used |
| GOM_TRA_1PNPDE20110919_225327_000000413106_00389_49972_9054.N1 | DC map used |
| GOM_TRA_1PNPDE20110919_225502_000000453106_00389_49972_9055.N1 | DC map used |
| GOM_TRA_1PNPDE20110919_230325_000000413106_00389_49972_9056.N1 | DC map used |
| GOM_TRA_1PNPDE20110919_230503_000000423106_00389_49972_9057.N1 | DC map used |
| GOM_TRA_1PNPDE20110919_232812_000000473106_00389_49972_9058.N1 | DC map used |
| GOM_TRA_1PNPDE20110919_233724_000000573106_00389_49972_9059.N1 | DC map used |

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



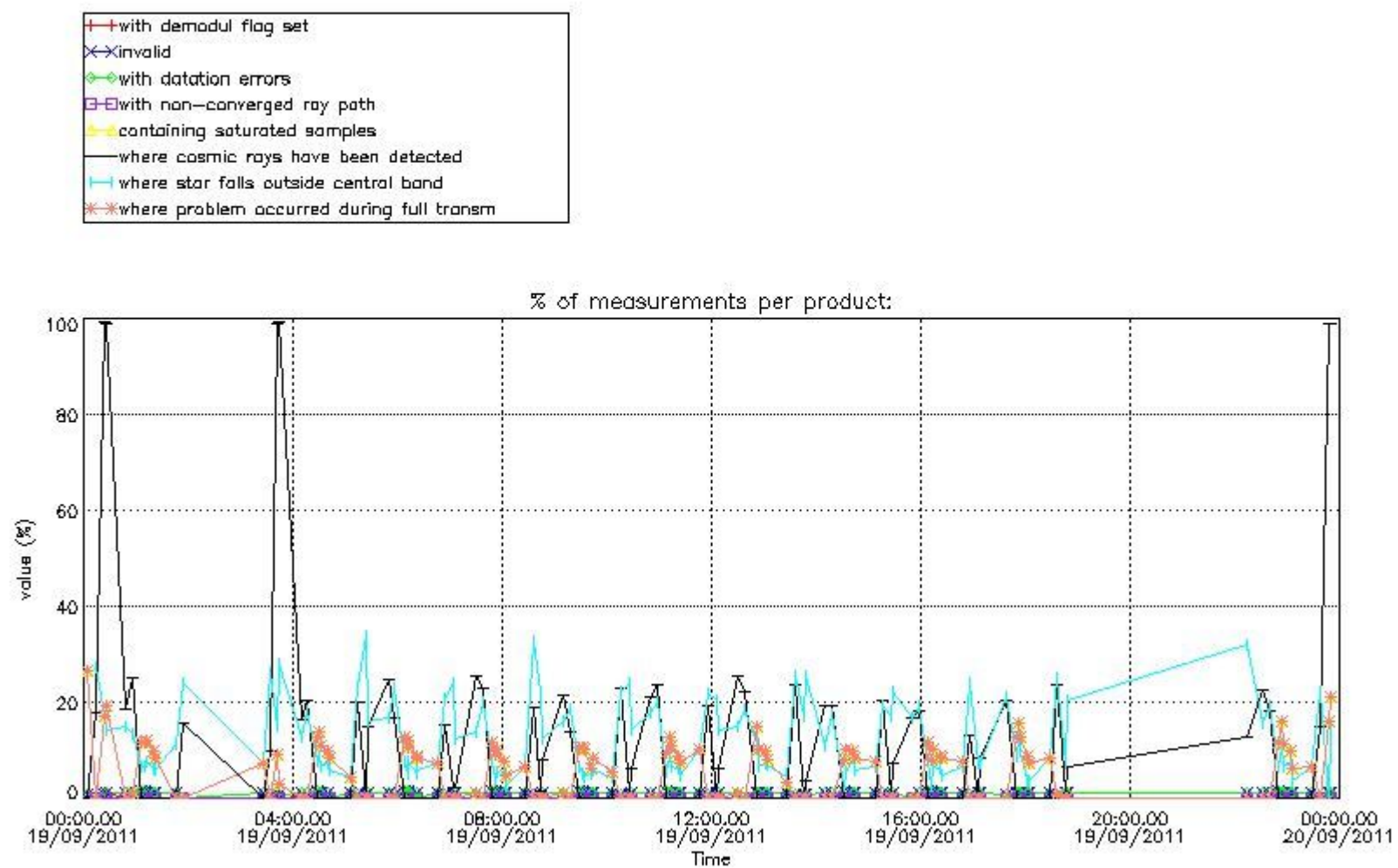
5. Demodulation flag and quality information monitoring

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.

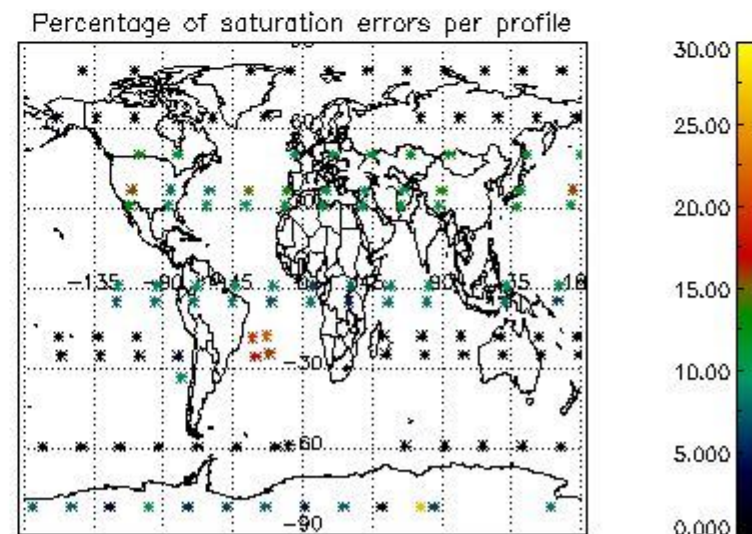
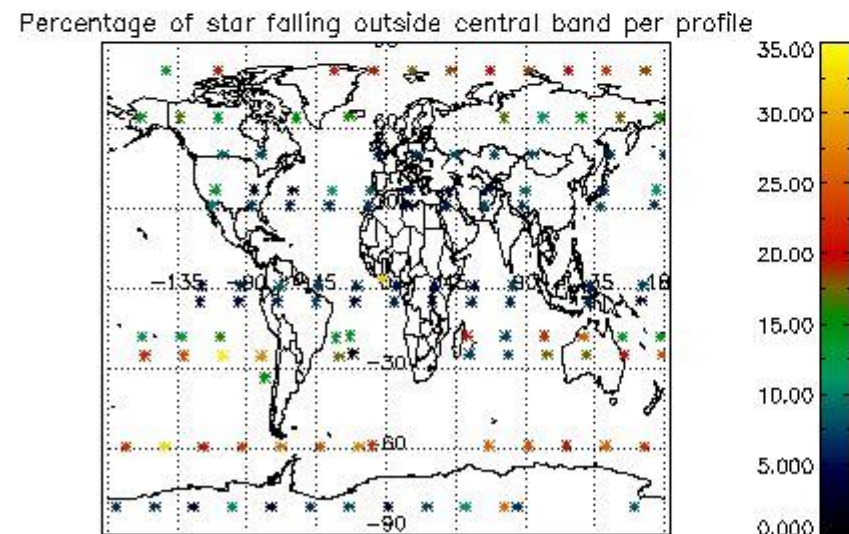
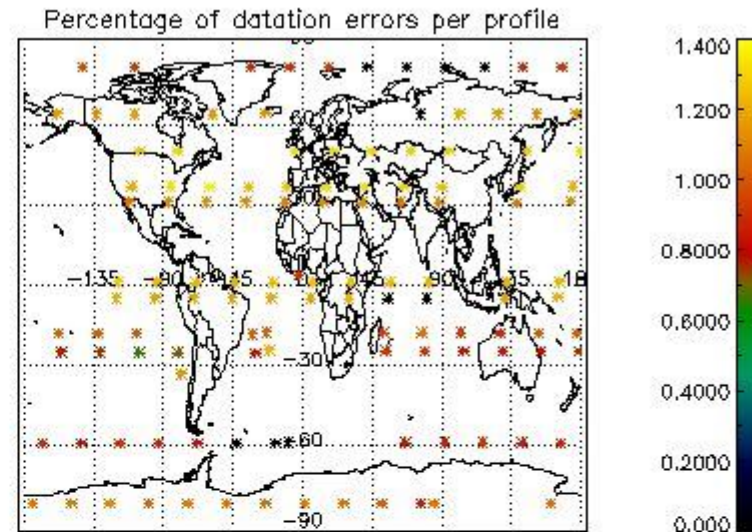
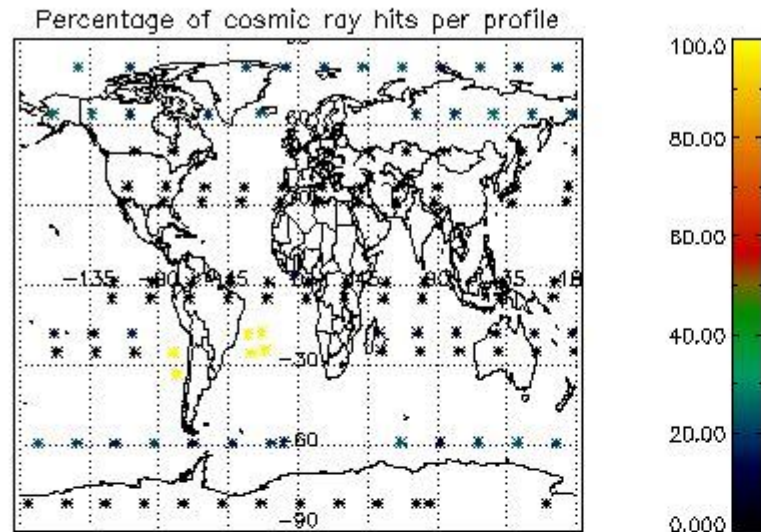
5.1 Percentage of products during reporting period with:

| | |
|---|-----------|
| At least one measurement with demodulation flag set: | 45.6000 % |
| Reference spectrum computed from DB: | 0.00000 % |
| Reference spectrum with small number of measurements: | 0.00000 % |
| SATU data not used: | 52.8000 % |

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



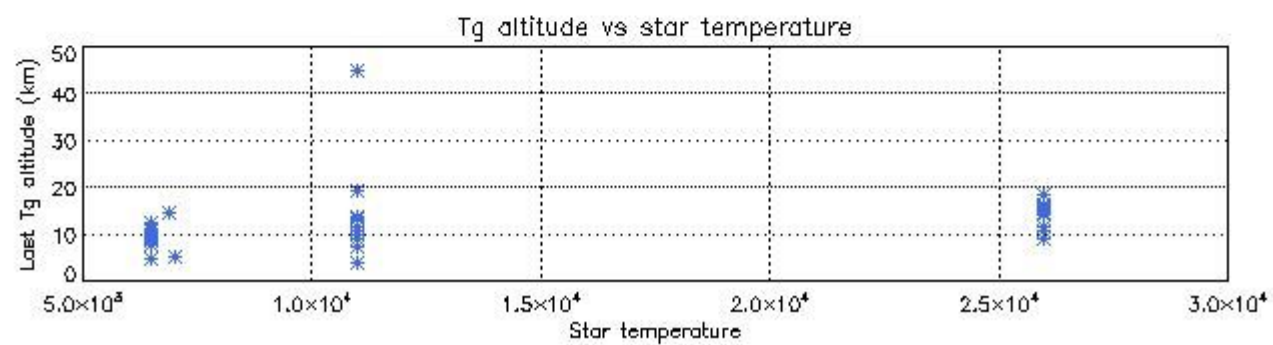
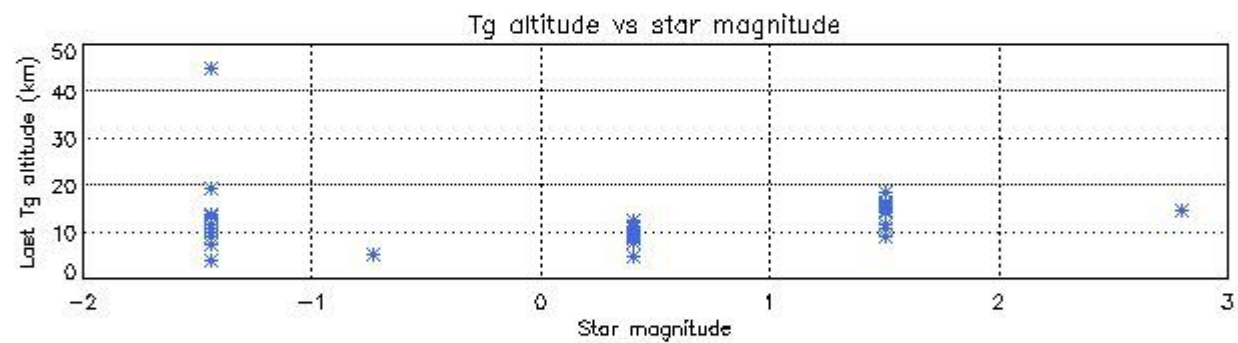
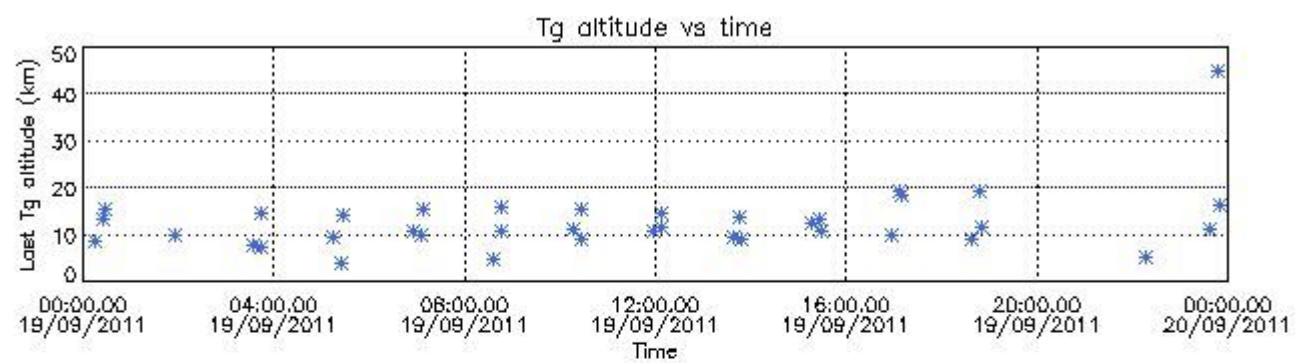
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

| Statistics | DARK | BRIGHT | TWILIGHT |
|-----------------|--------|--------|----------|
| Mean: | 12.517 | 20.047 | NaN |
| St. deviation: | 6.5642 | 2.2152 | NaN |
| Maximum: | 44.935 | 23.533 | NaN |
| Minimum: | 4.0467 | 8.8713 | NaN |
| Number of data: | 38.000 | 66.000 | NaN |

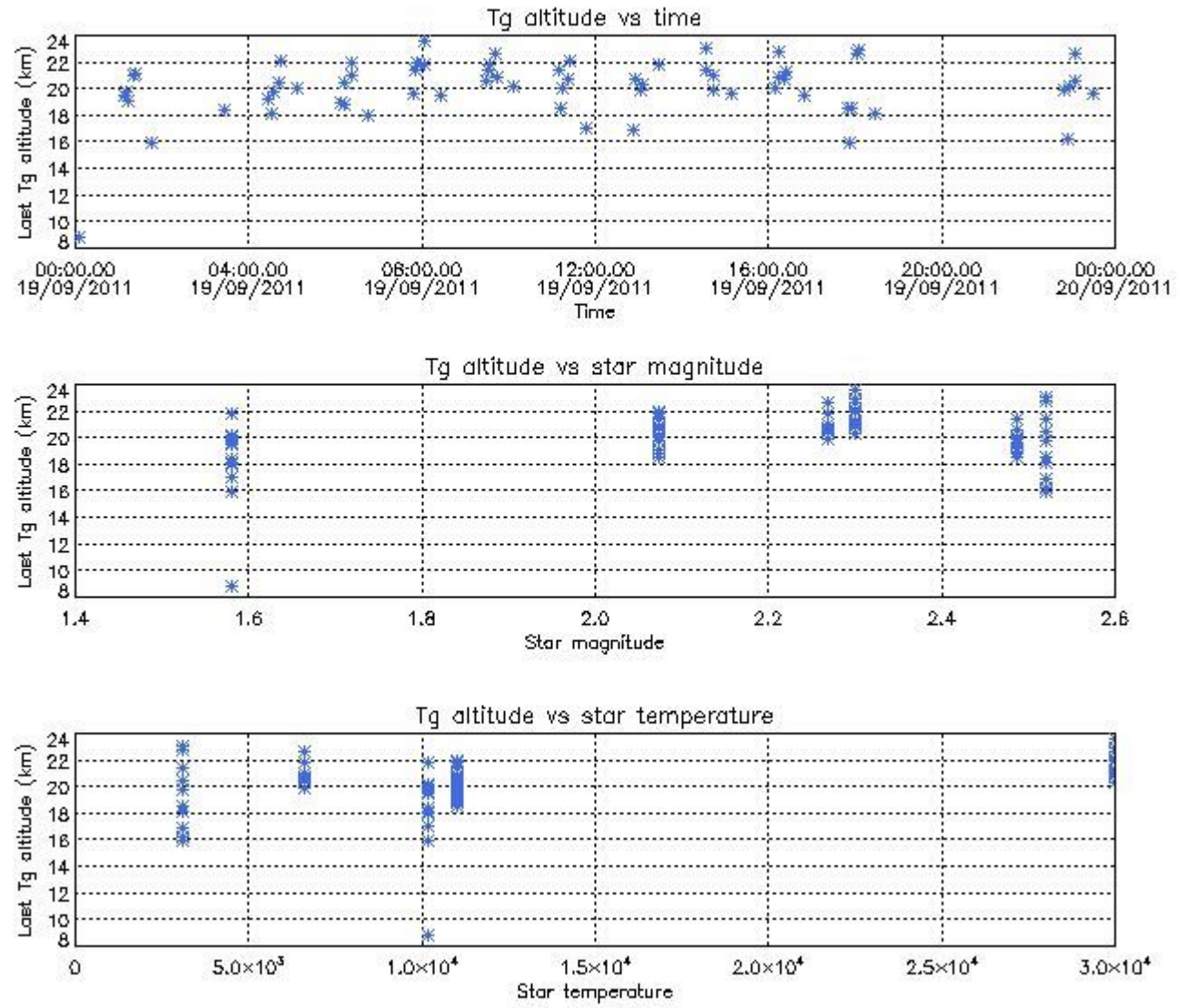
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

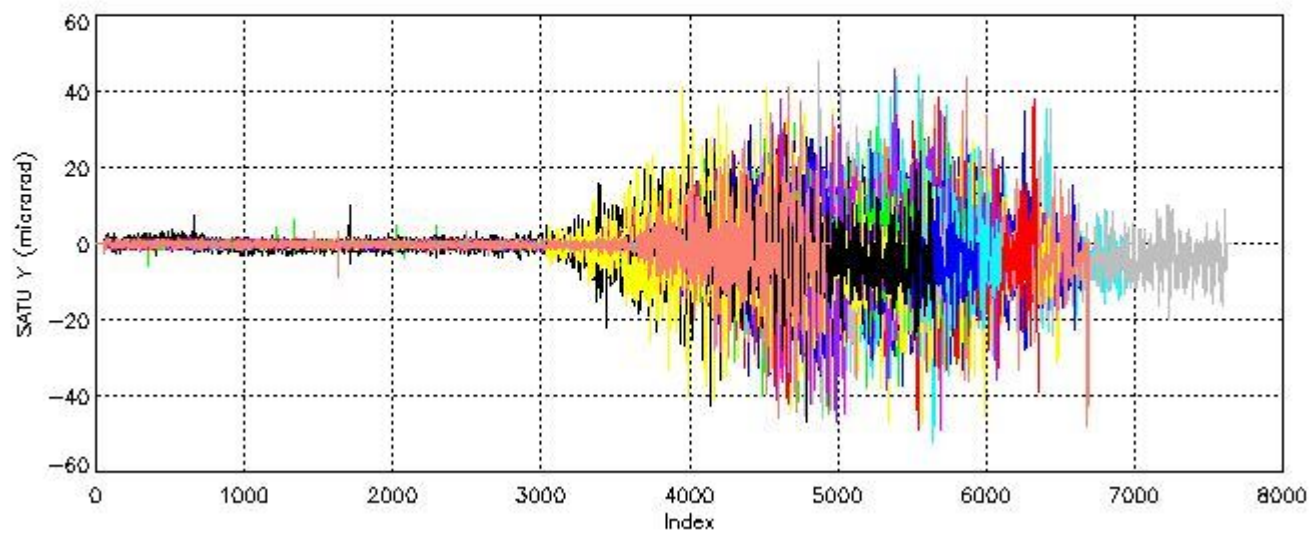
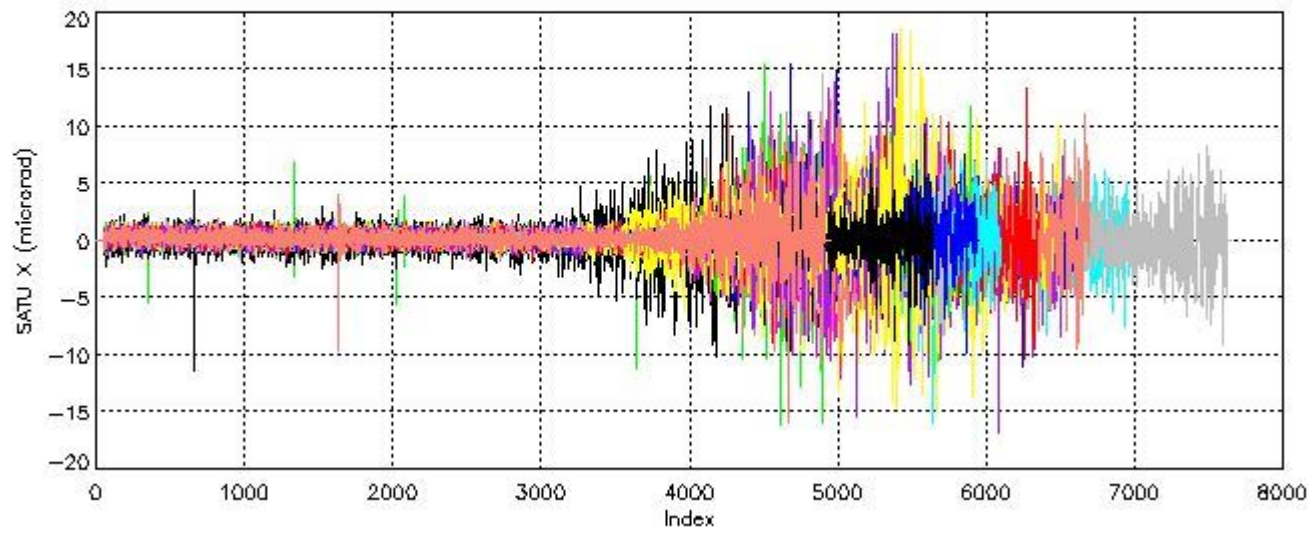


7. Star Acquisition and Tracking Unit (SATU)

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: | 0.23759 | -0.20329 | 0.23638 | -0.23841 |
| St. deviation: | 0.26697 | 0.36067 | 0.68370 | 0.76151 |
| Maximum: | 4.3000 | 7.3000 | 4.6000 | 4.6000 |
| Minimum: | -11.400 | -5.7000 | -4.5000 | -5.4000 |

| | | | | |
|-----------------|---------|---------|--------|---------|
| Number of data: | 43950. | 43950. | 65100. | 65100. |
| 90Percentile: | 0.60000 | 0.20000 | 1.1000 | 0.70000 |

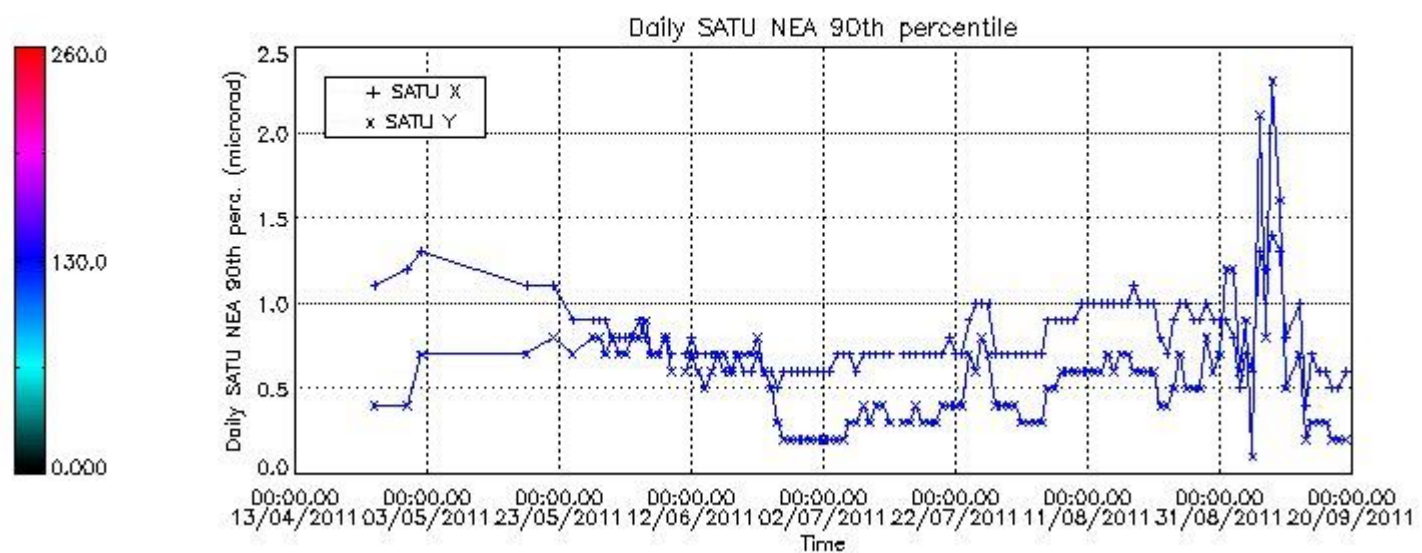
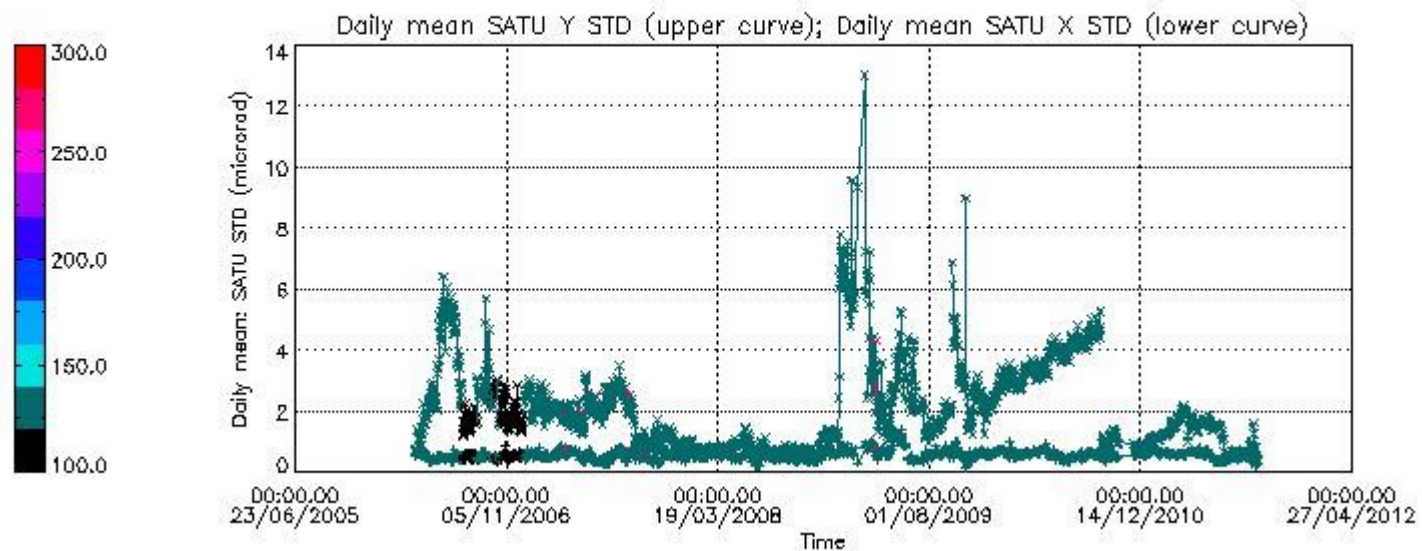
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

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

Upper curve: STD of SATU Y axis

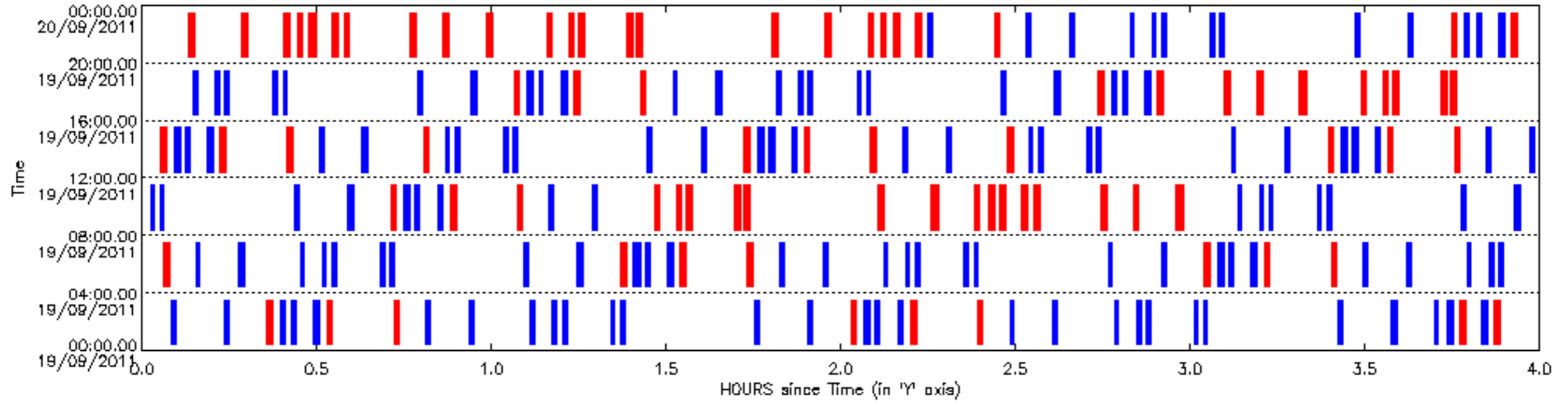
Lower curve: STD of SATU X axis

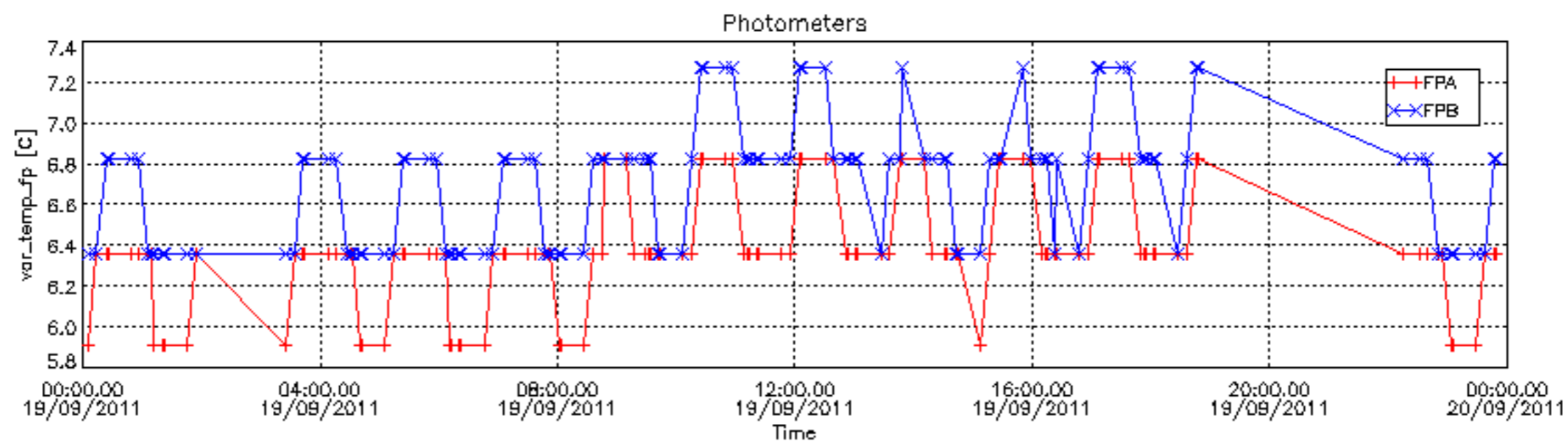
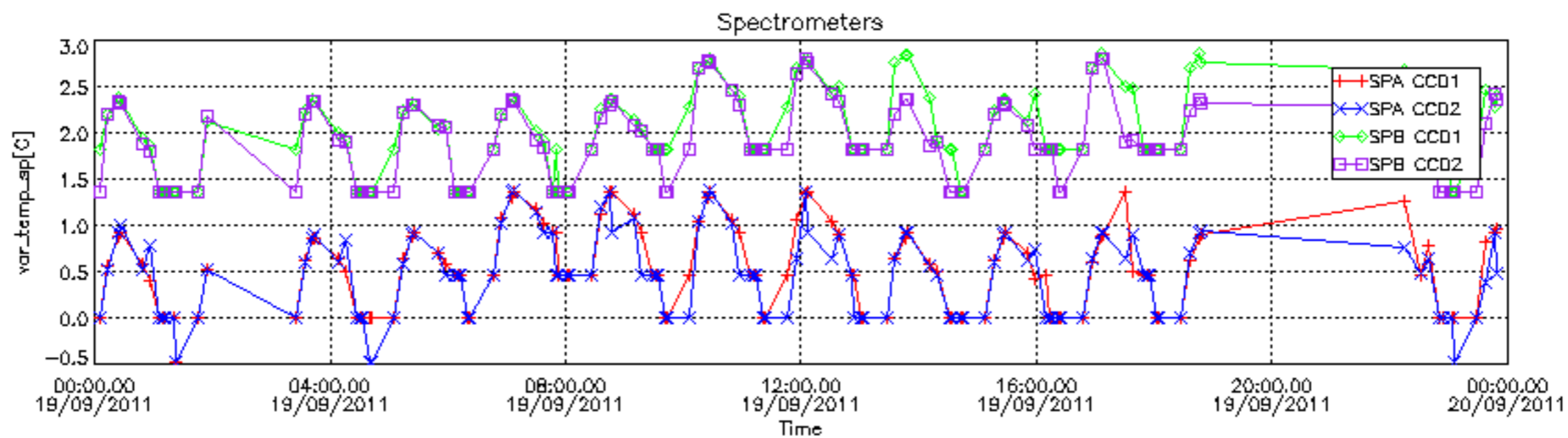


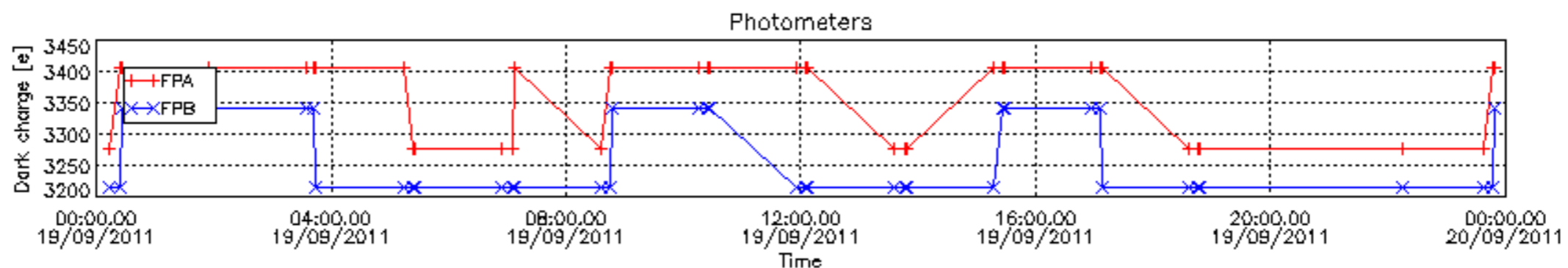
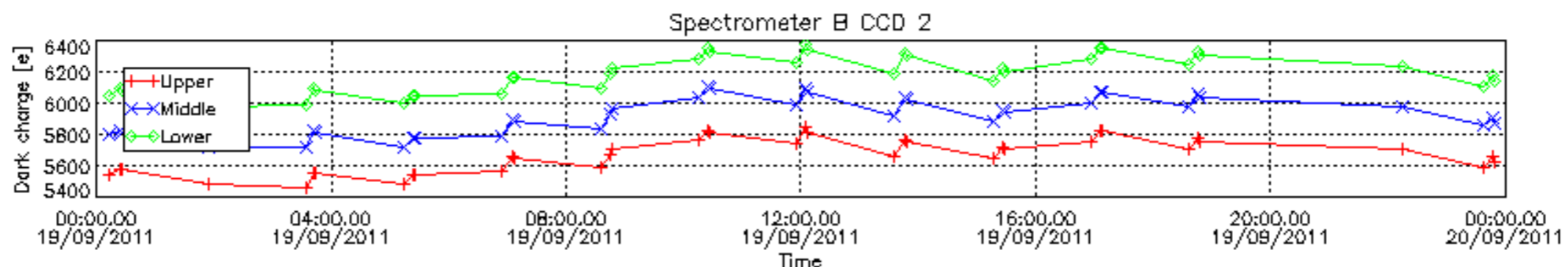
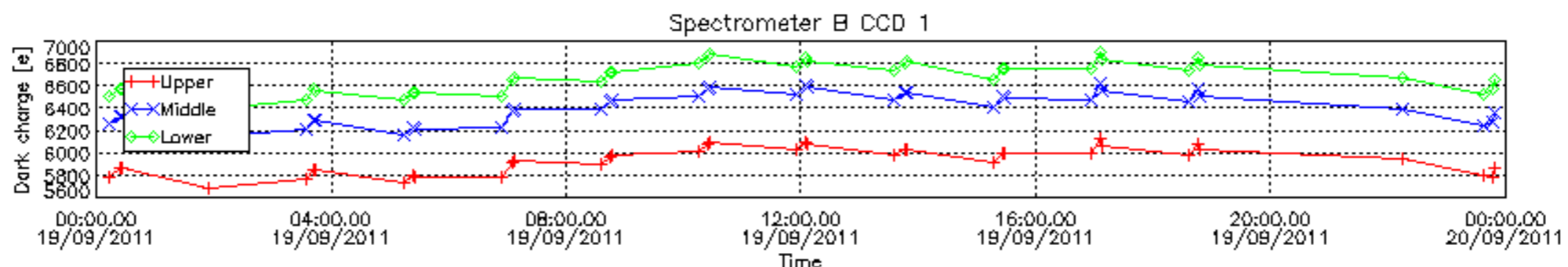
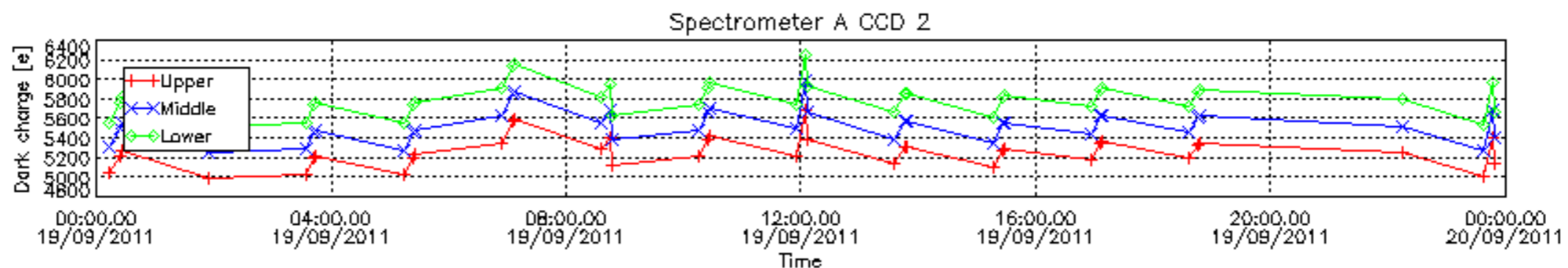
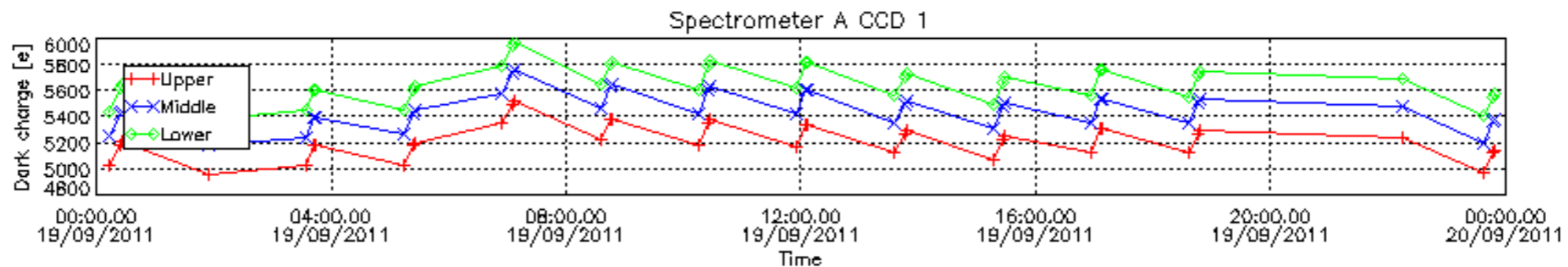
8. Auxiliary Data Files used for the production reported in section 2.4

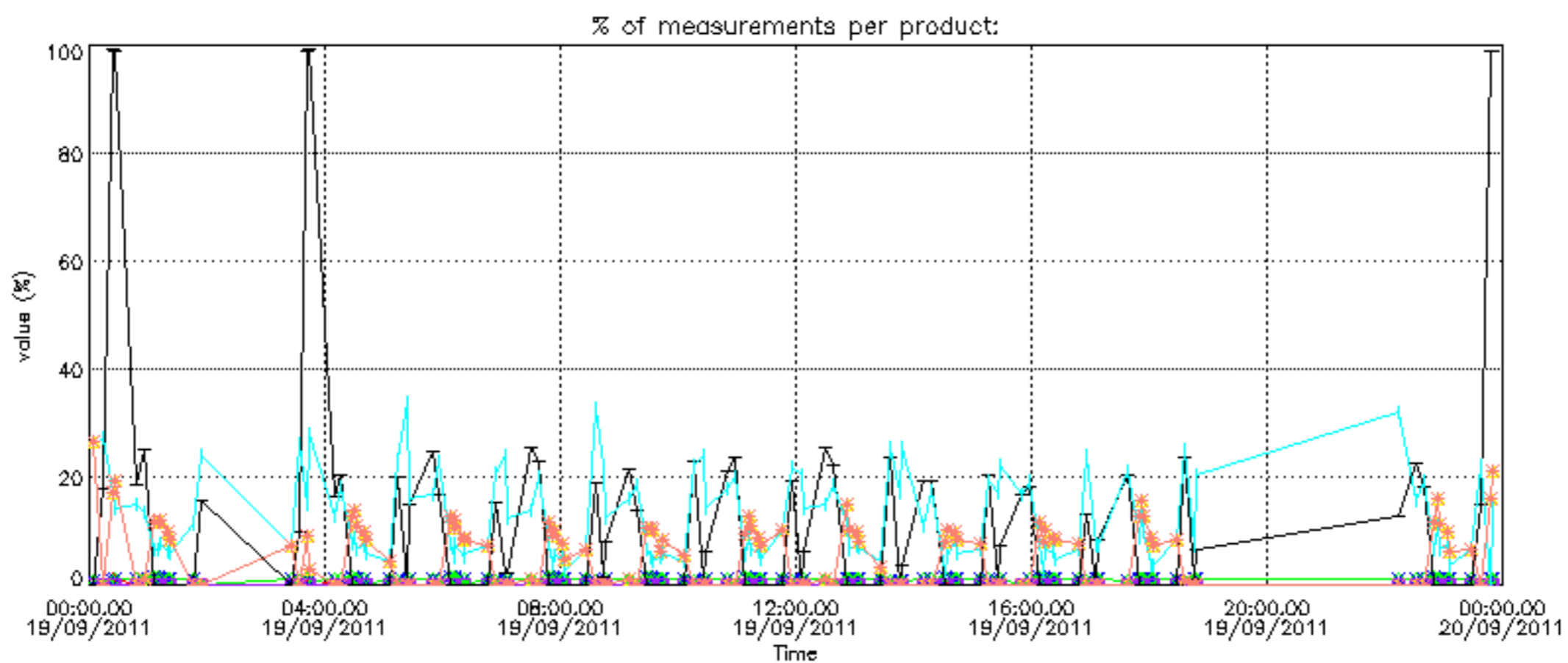
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 19-SEP-2011 00:04:55 |
| CALIBRATION_DATABASE | GOM_CAL_AXVIEC20110915_075659_20110914_000000_20500101_000000 | 1 | 19-SEP-2011 00:04:55 |
| LEVEL-1B_PROC_CONFIG | GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000 | 1 | 19-SEP-2011 00:04:55 |
| STAR_CATALOGUE | GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000 | 1 | 19-SEP-2011 00:04:55 |
| STELLAR_SPECTRA_DATABANK | GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000 | 1 | 19-SEP-2011 00:04:55 |
| ECMWF_FILE | AUX_ECF_AXNECM20110918_062115_20110918_210000_20110919_090000 | 1 | 19-SEP-2011 00:04:55 |
| ECMWF_FILE | AUX_ECF_AXNECM20110918_182115_20110919_030000_20110919_150000 | 14 | 19-SEP-2011 03:25:23 |
| ECMWF_FILE | AUX_ECA_AXNECM20110919_062113_20110918_210000_20110919_090000 | 25 | 19-SEP-2011 05:05:37 |
| ECMWF_FILE | AUX_ECF_AXNECM20110918_182115_20110919_030000_20110919_150000 | 42 | 19-SEP-2011 07:47:37 |
| ECMWF_FILE | AUX_ECF_AXNECM20110919_062114_20110919_090000_20110919_210000 | 53 | 19-SEP-2011 09:27:51 |
| ECMWF_FILE | AUX_ECF_AXNECM20110919_062114_20110919_150000_20110920_030000 | 94 | 19-SEP-2011 15:58:14 |
| ECMWF_FILE | AUX_ECA_AXNECM20110919_182115_20110919_090000_20110919_210000 | 104 | 19-SEP-2011 17:31:07 |
| ECMWF_FILE | AUX_ECF_AXNECM20110919_062115_20110919_210000_20110920_090000 | 115 | 19-SEP-2011 22:14:47 |
| OPTIONAL_ECMWF_FILE | MISSING | 1 | 19-SEP-2011 00:04:55 |
| ORBIT_DATA_FILE | AUX_FPO_AXVPDS20110917_102114_20110916_190316_20110926_211700 | 1 | 19-SEP-2011 00:04:55 |
| ORBIT_DATA_FILE | AUX_FPO_AXVPDS20110919_102114_20110918_193001_20110928_200332 | 53 | 19-SEP-2011 09:27:51 |

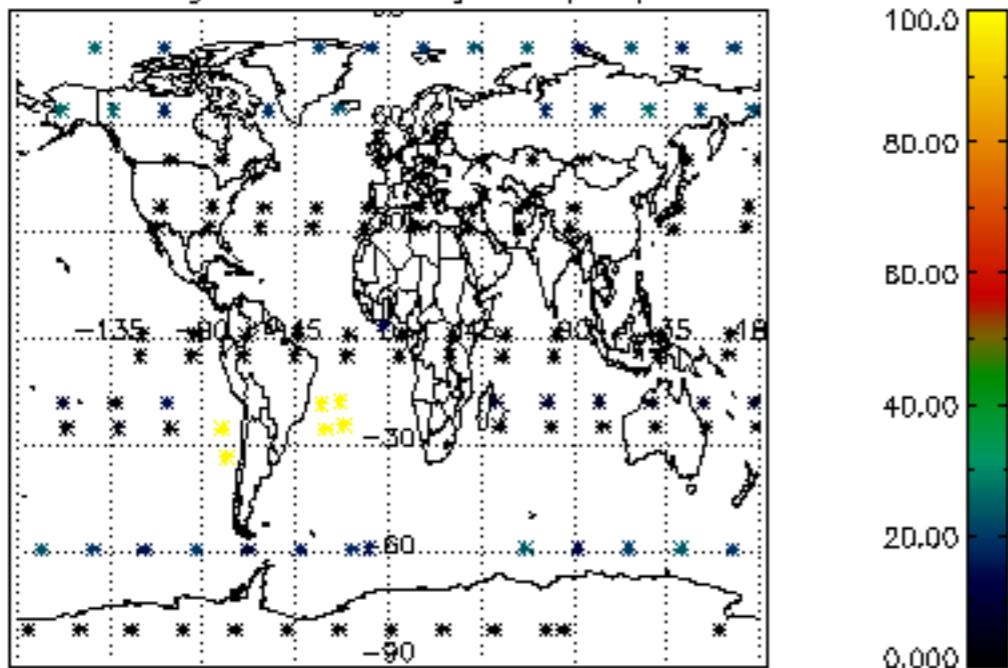




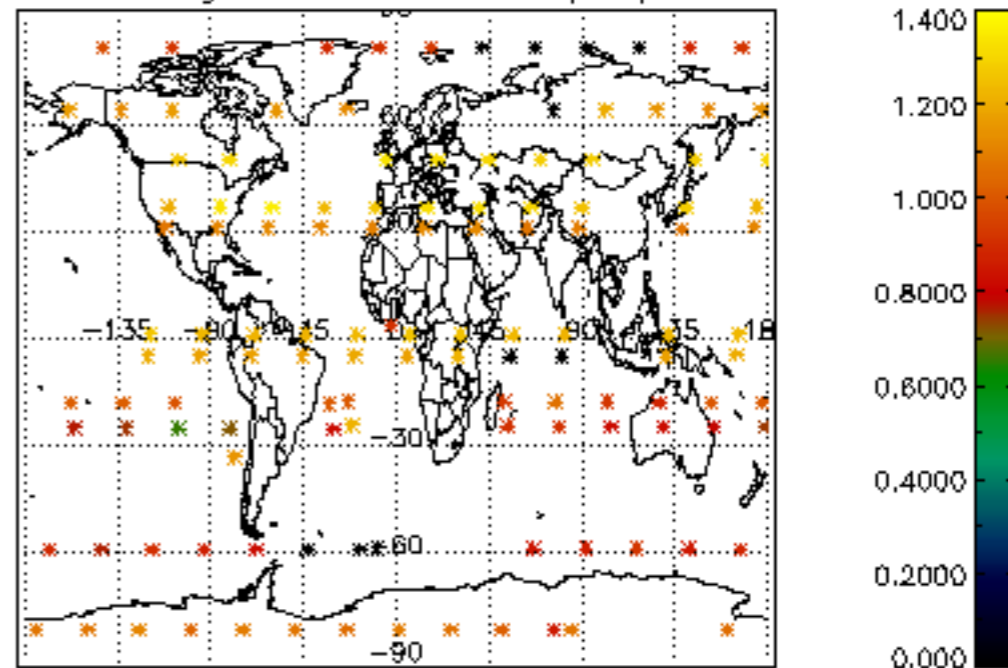




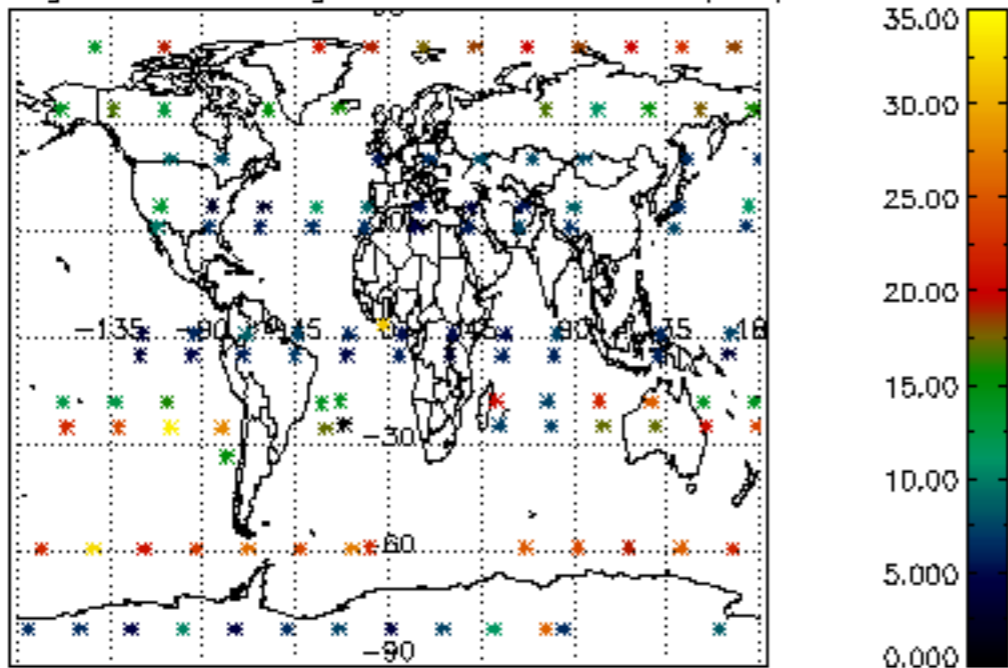
Percentage of cosmic ray hits per profile



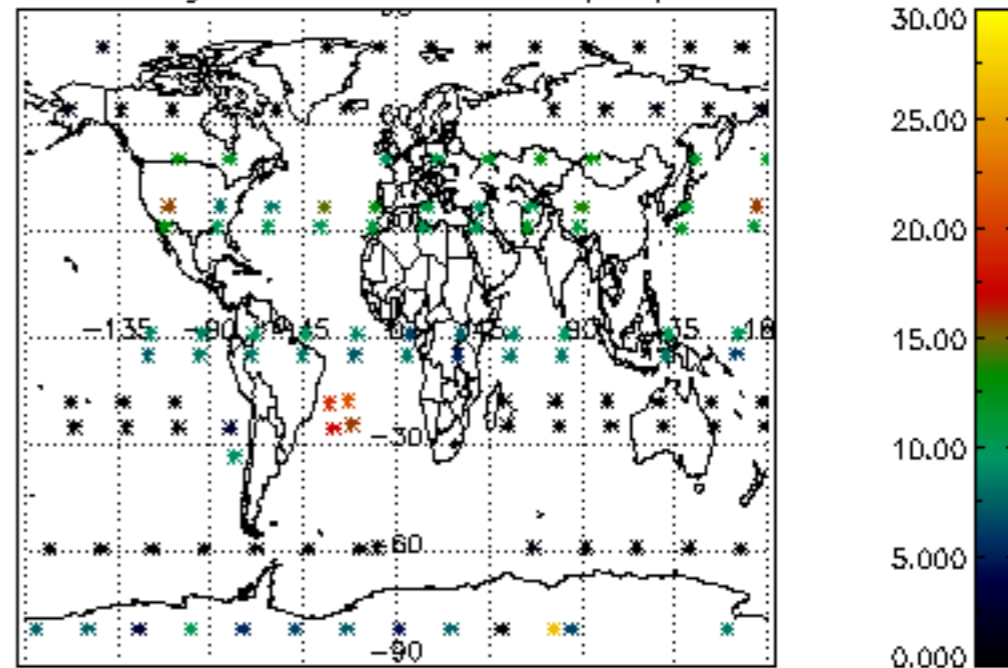
Percentage of datation errors per profile



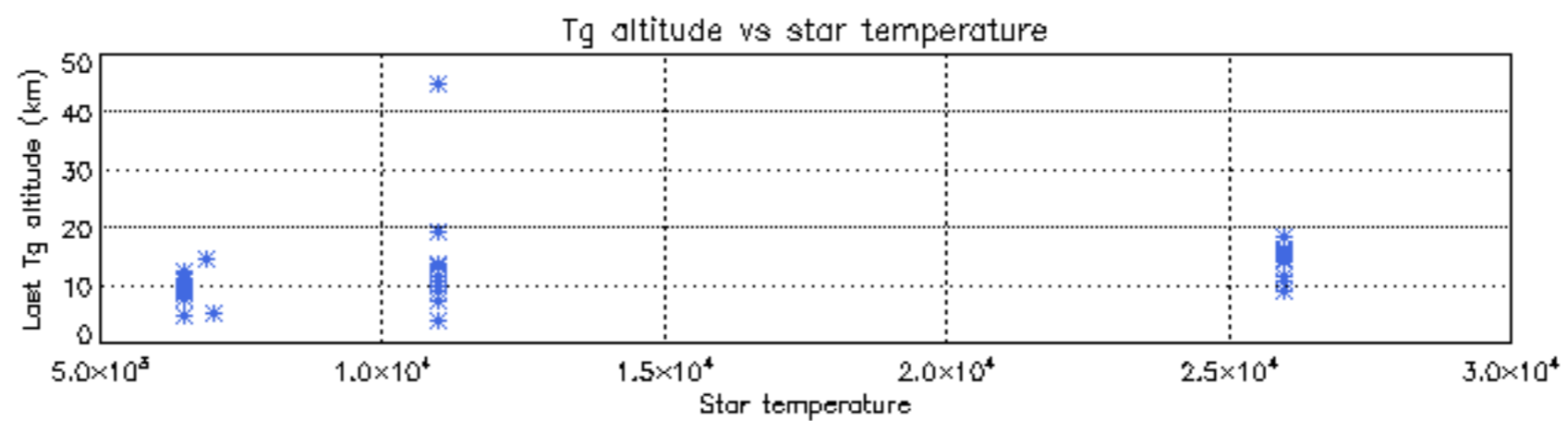
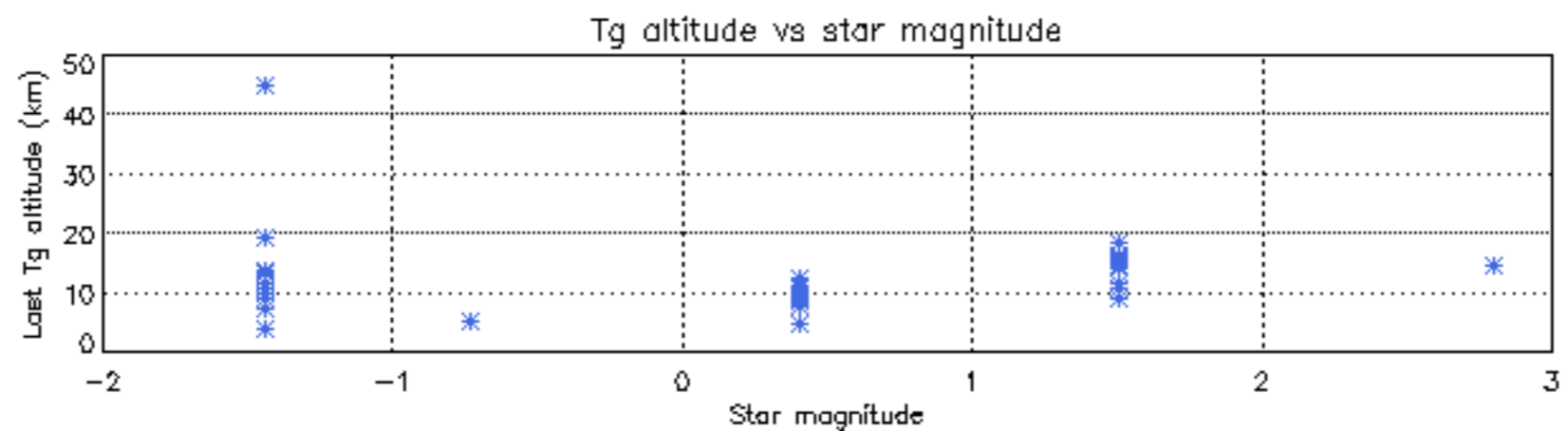
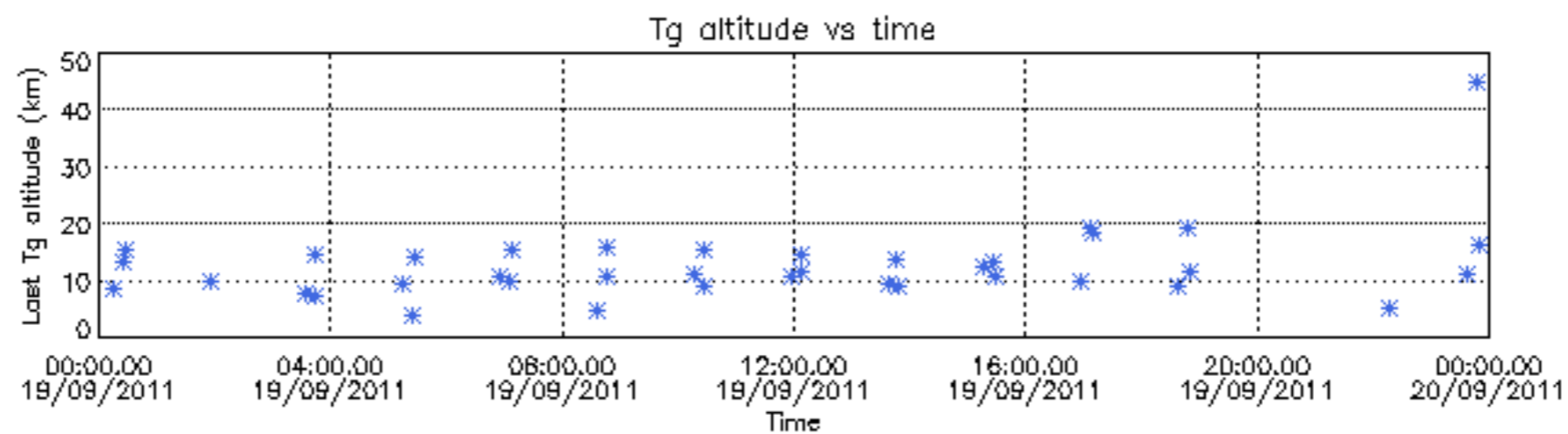
Percentage of star falling outside central band per profile



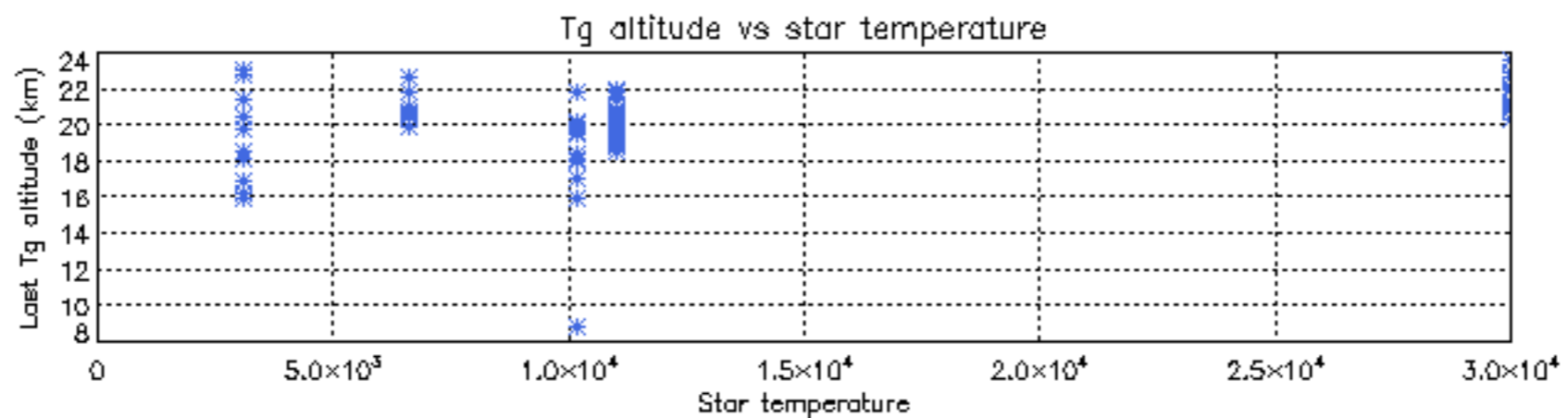
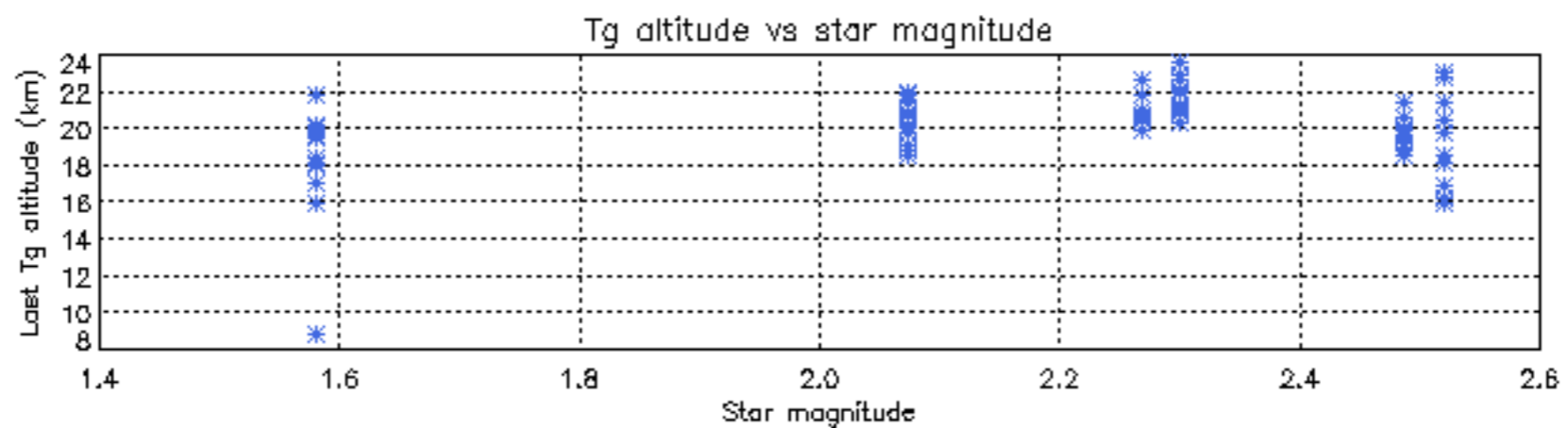
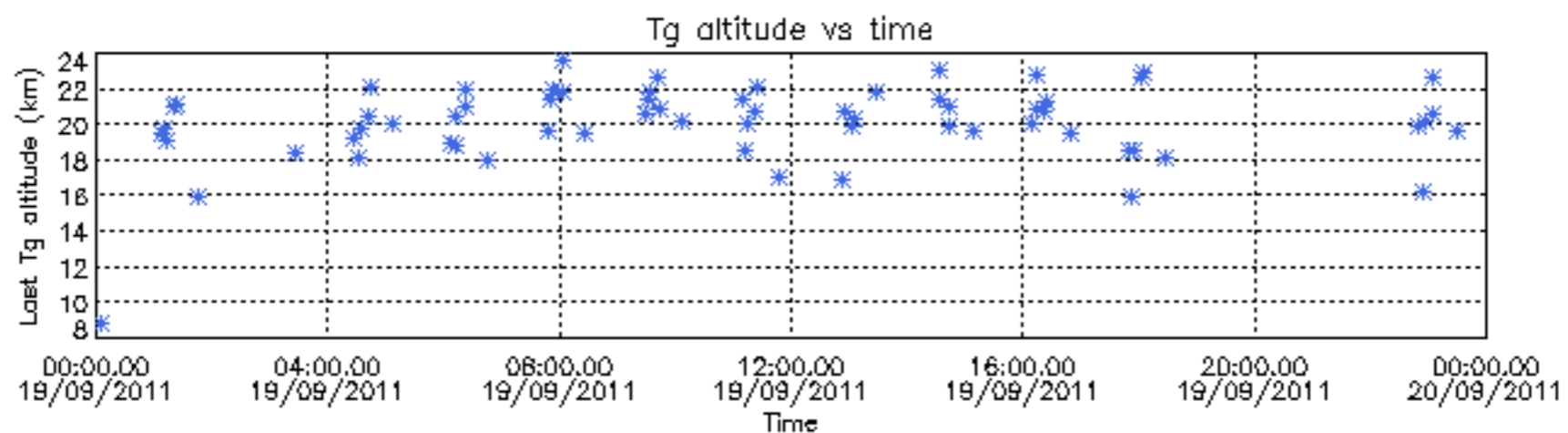
Percentage of saturation errors per profile

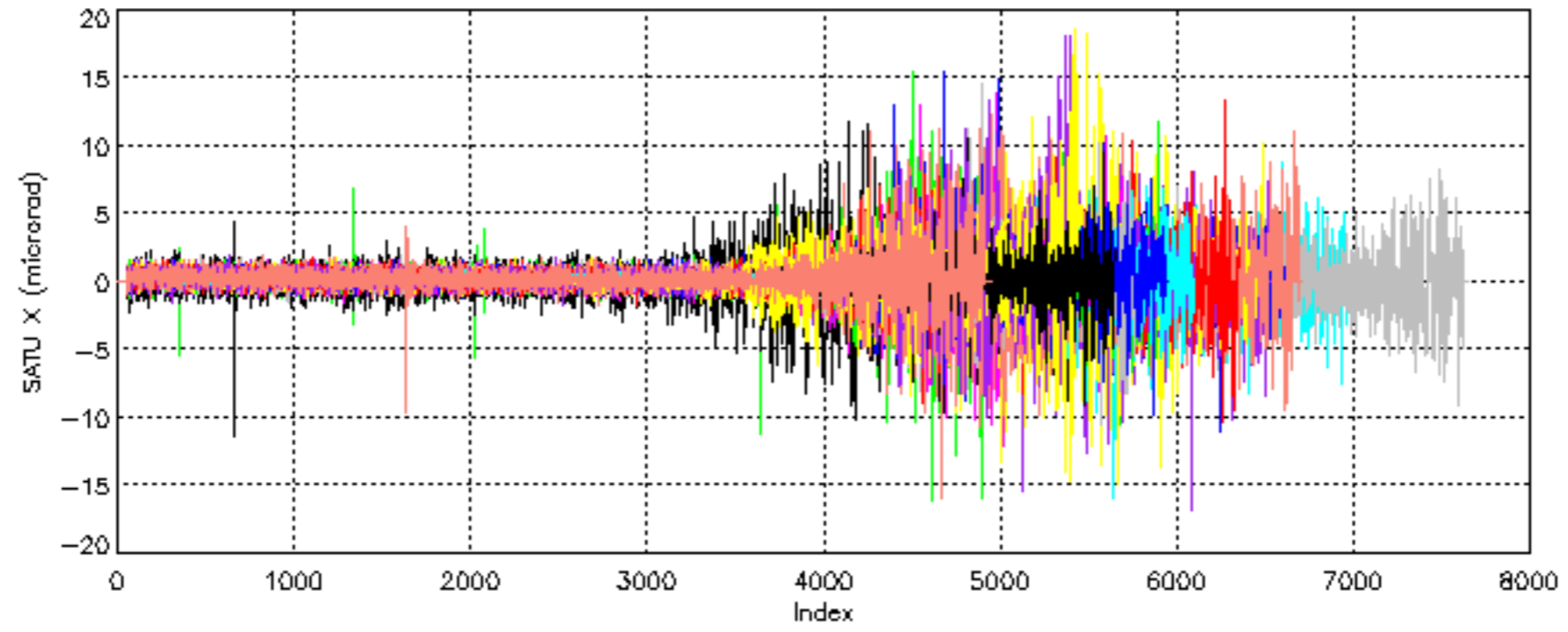


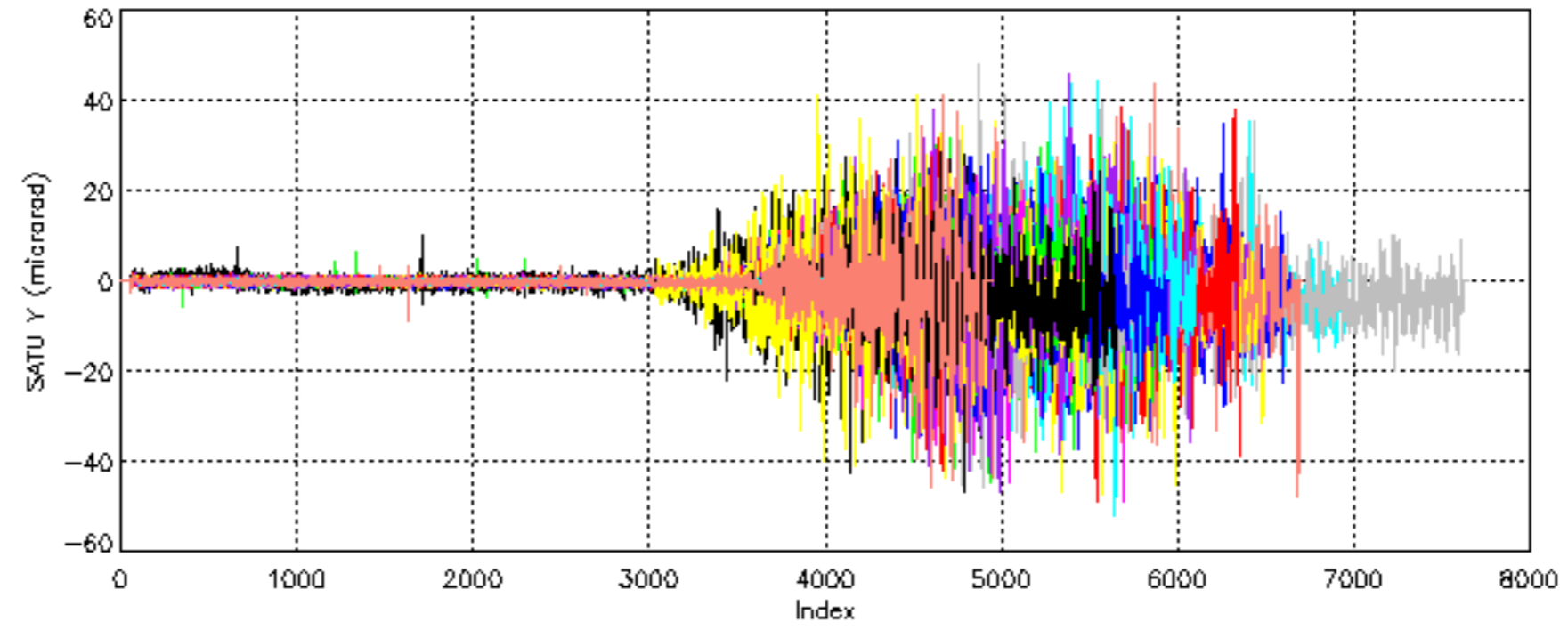
Tangent altitude at which the star is lost

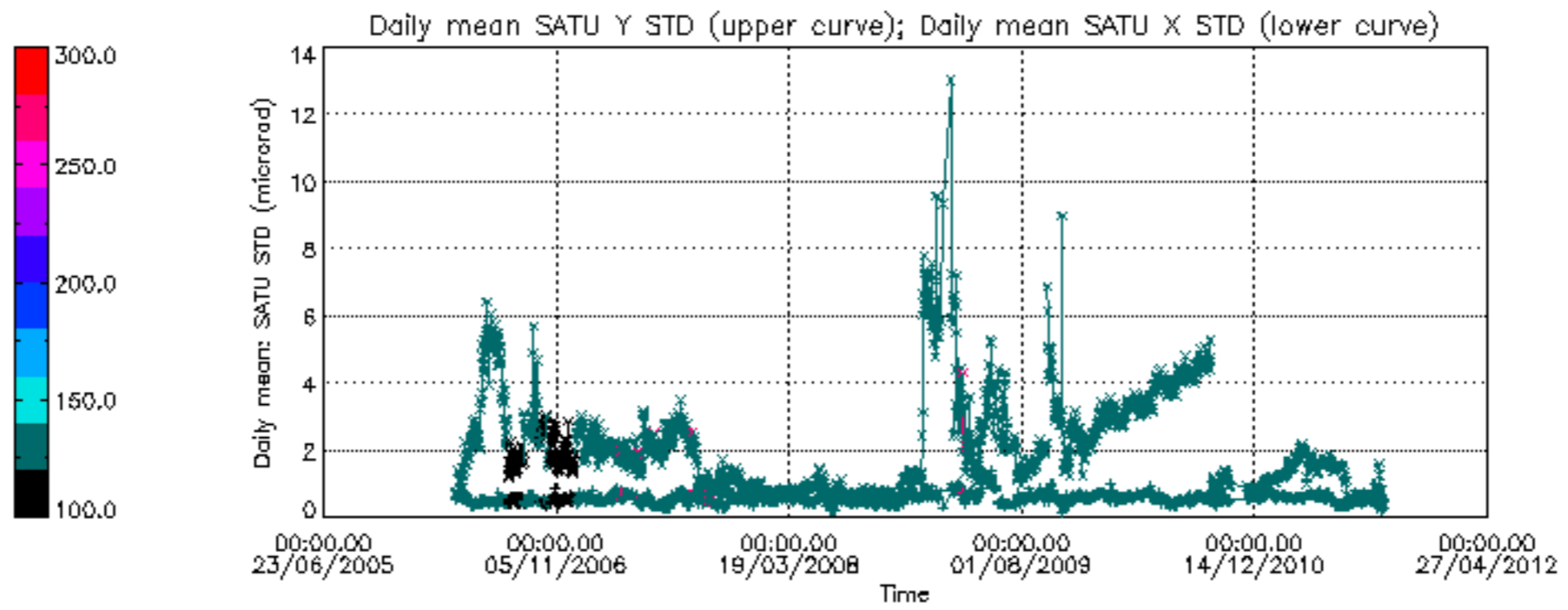


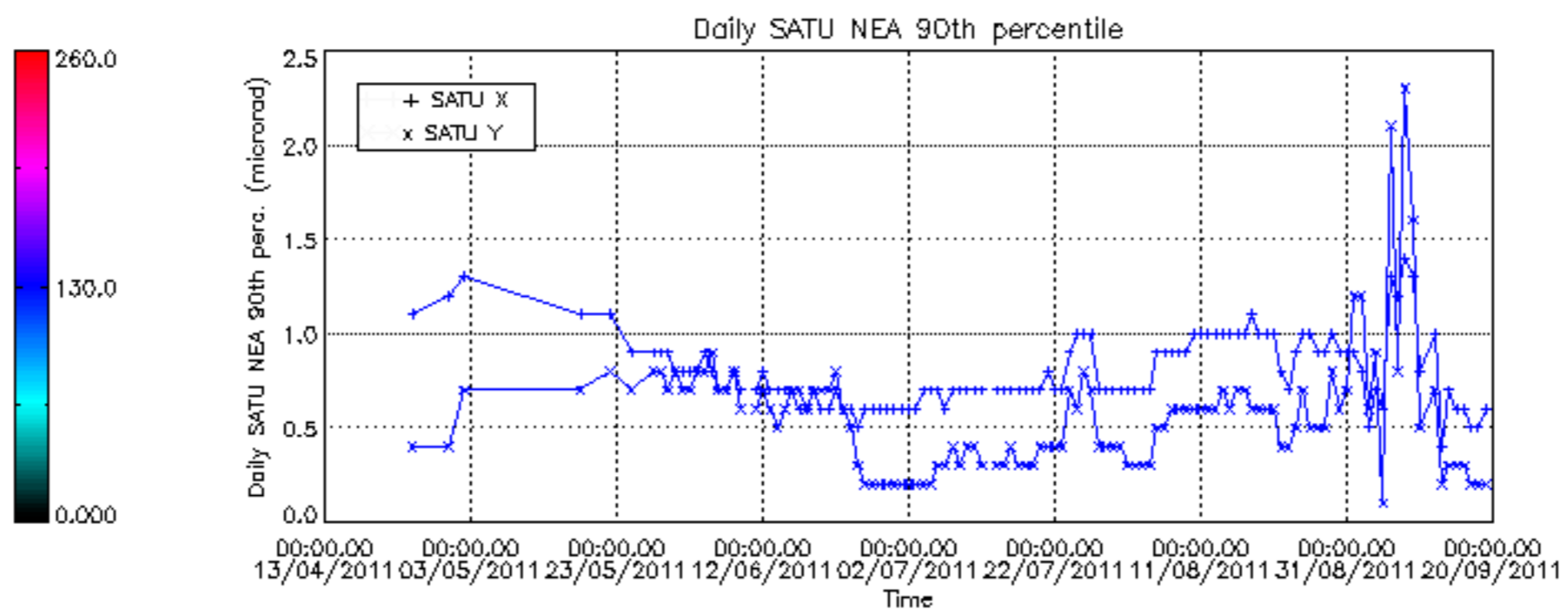
Tangent altitude at which the star is lost











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2; 2062.2; 01-SEP-2011 02:05:02; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;49701
3; 4495.1; 01-SEP-2011 02:45:35; Bright; 36.5; 17; 78Bet Gem ; 1.16; 4500;occ; 73; 0;49701
4; 6976.1; 01-SEP-2011 03:26:56; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;49702
5; 8076.1; 01-SEP-2011 03:45:16; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;49702

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2; -569.5; 01-SEP-2011 21:23:58; Dark ; 46.0; 47; 2Bet CMA ; 1.98; 28000;occ; 92; 0;49712
3; 968.4; 01-SEP-2011 21:49:36; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;49713
4; 1326.8; 01-SEP-2011 21:55:34; Dark ; 51.5; 18; 24Alp PsA ; 1.17; 9700;occ; 103; 0;49713
5; 1883.3; 01-SEP-2011 22:04:51; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;49713

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2; 2061.8; 01-SEP-2011 23:48:03; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;49714
3; 5366.7; 02-SEP-2011 00:43:08; Dark ; 30.0; 1; 9Alp CMA ; -1.44; 11000;occ; 60; 0;49714

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2; 965.6; 01-SEP-2011 13:28:23; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;49708

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2; 1883.3; 01-SEP-2011 15:23:55; Bright; 40.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 81; 0;49709
3; 2062.0; 01-SEP-2011 15:26:53; Bright; 39.5; 61; 8Eps Peg ; 2.10; 3900;occ; 79; 0;49709
4; 6980.6; 01-SEP-2011 16:48:52; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;49710

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2; 2062.1; 01-SEP-2011 17:07:08; Bright; 37.5; 61; 8Eps Peg ; 2.10; 3900;occ; 75; 0;49710
3; 6981.3; 01-SEP-2011 18:29:07; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;49711

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2; 1883.3; 01-SEP-2011 18:44:23; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;49711
3; 2062.0; 01-SEP-2011 18:47:22; Bright; 38.0; 61; 8Eps Peg ; 2.10; 3900;occ; 76; 0;49711

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2; -567.9; 02-SEP-2011 00:44:27; Dark ; 48.5; 47; 2Bet CMA ; 1.98; 28000;occ; 97; 0;49714
3; 969.5; 02-SEP-2011 01:10:05; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;49715
4; 2061.8; 02-SEP-2011 01:28:17; Bright; 39.0; 61; 8Eps Peg ; 2.10; 3900;occ; 78; 0;49715

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2; -566.9; 02-SEP-2011 02:24:42; Dark ; 52.5; 47; 2Bet CMA ; 1.98; 28000;occ; 105; 0;49715
3; 970.1; 02-SEP-2011 02:50:19; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;49716
4; 1327.6; 02-SEP-2011 02:56:17; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;49716

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2; 970.5; 02-SEP-2011 04:30:34; Dark ; 59.5; 84; Alp Phe ; 2.40; 4500;occ; 119; 0;49717
3; 1327.9; 02-SEP-2011 04:36:31; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;49717
4; 1883.2; 02-SEP-2011 04:45:46; Bright; 40.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 81; 0;49717
5; 2061.9; 02-SEP-2011 04:48:45; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;49717
6; 2472.7; 02-SEP-2011 04:55:36; Bright; 42.5; 164; 44Eta Peg ; 2.95; 5400;occ; 85; 0;49717

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2; 1328.2; 02-SEP-2011 06:16:45; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;49718

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2; 1330.3; 02-SEP-2011 21:18:53; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;49727
3; 3100.4; 02-SEP-2011 21:48:23; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49727

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2; 976.7; 02-SEP-2011 22:53:14; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;49728
3; 3099.9; 02-SEP-2011 23:28:37; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49728
4; 5376.0; 03-SEP-2011 00:06:33; Dark ; 27.0; 1; 9Alp CMA ; -1.44; 11000;occ; 54; 0;49728

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2; -1112.2; 02-SEP-2011 07:16:19; Dark ; 40.0; 8; 10Alp CMI ; 0.40; 6500;occ; 80; 0;49718
3; -644.7; 02-SEP-2011 07:24:07; Dark ; 53.5; 1; 9Alp CMA ; -1.44; 11000;occ; 107; 0;49718
4; -564.8; 02-SEP-2011 07:25:26; Dark ; 51.0; 47; 2Bet CMA ; 1.98; 28000;occ; 102; 0;49718
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2; 4781.3; 02-SEP-2011 08:54:33; Dark ; 54.5; 44; 24Gam Gem ; 1.93; 11000;occ; 109; 0;49719
3; 5370.0; 02-SEP-2011 09:04:21; Dark ; 50.5; 1; 9Alp CMA ; -1.44; 11000;occ; 101; 0;49719
4; 5450.0; 02-SEP-2011 09:05:41; Dark ; 50.0; 47; 2Bet CMA ; 1.98; 28000;occ; 100; 0;49719
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2; -563.1; 02-SEP-2011 10:45:56; Dark ; 47.5; 47; 2Bet CMA ; 1.98; 28000;occ; 95; 0;49720
3; 972.8; 02-SEP-2011 11:11:32; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;49721
4; 1329.0; 02-SEP-2011 11:17:28; Dark ; 45.0; 18; 24Alp PsA ; 1.17; 9700;occ; 90; 0;49721
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2; 3104.0; 02-SEP-2011 11:47:03; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;49721
3; 4902.7; 02-SEP-2011 12:17:02; Dark ; 47.5; 8; 10Alp CMI ; 0.40; 6500;occ; 95; 0;49721
4; 5451.6; 02-SEP-2011 12:26:11; Dark ; 51.0; 47; 2Bet CMA ; 1.98; 28000;occ; 102; 0;49721
5; 6987.3; 02-SEP-2011 12:51:46; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;49722
6; 7343.1; 02-SEP-2011 12:57:42; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;49722
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2; -561.5; 02-SEP-2011 14:06:25; Dark ; 51.5; 47; 2Bet CMA ; 1.98; 28000;occ; 103; 0;49722
3; 973.8; 02-SEP-2011 14:32:01; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;49723
4; 1329.5; 02-SEP-2011 14:37:56; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;49723
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3; -560.7; 02-SEP-2011 15:46:40; Dark ; 52.0; 47; 2Bet CMA ; 1.98; 28000;occ; 104; 0;49723
4; 974.4; 02-SEP-2011 16:12:15; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;49724
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2; 3102.3; 02-SEP-2011 16:47:43; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;49724
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2; 4781.3; 02-SEP-2011 08:54:33; Dark ; 54.5; 44; 24Gam Gem ; 1.93; 11000;occ; 109; 0;49719
3; 5370.0; 02-SEP-2011 09:04:21; Dark ; 50.5; 1; 9Alp CMA ; -1.44; 11000;occ; 101; 0;49719
4; 5450.0; 02-SEP-2011 09:05:41; Dark ; 50.0; 47; 2Bet CMA ; 1.98; 28000;occ; 100; 0;49719
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2; 1883.3; 02-SEP-2011 18:07:38; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;49725
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3; 3101.1; 02-SEP-2011 20:08:10; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;49726
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4; 1334.4; 03-SEP-2011 22:22:27; Dark ; 44.0; 18; 24Alp PsA ; 1.17; 9700;occ; 88; 0;49742
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3; 5383.7; 03-SEP-2011 18:29:14; Dark ; 49.5; 1; 9Alp CMA ; -1.44; 11000;occ; 99; 0;49739
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11; 5599.4; 09-SEP-2011 19:53:05; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;49826
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13; 5819.3; 09-SEP-2011 19:56:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49826
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4; 2181.2; 10-SEP-2011 01:37:02; Bright; 42.0; 90; 54Alp Peg ; 2.49; 11000;occ; 84; 0;49830
5; 2434.2; 10-SEP-2011 01:41:15; Bright; 39.5; 164; 44Eta Peg ; 2.95; 5400;occ; 79; 0;49830
6; 3043.6; 10-SEP-2011 01:51:25; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;49830
7; 3158.4; 10-SEP-2011 01:53:19; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;49830
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7; 1046.0; 12-SEP-2011 21:47:40; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;49871
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9; 2405.3; 12-SEP-2011 22:10:19; Bright; 41.5; 93; 53Bet Peg ; 2.52; 3100;occ; 83; 0;49871
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11; 3134.0; 12-SEP-2011 22:22:28; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;49871
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6; 2171.4; 12-SEP-2011 23:46:39; Bright; 40.0; 90; 54Alp Peg ; 2.49; 11000;occ; 80; 0;49872
7; 2405.1; 12-SEP-2011 23:50:33; Bright; 42.5; 93; 53Bet Peg ; 2.52; 3100;occ; 85; 0;49872
8; 3023.1; 13-SEP-2011 00:00:51; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;49872
9; 3133.4; 13-SEP-2011 00:02:41; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;49872
10; 4454.8; 13-SEP-2011 00:24:43; Bright; 62.0; 24; 66Alp Gem ; 1.58; 10200;occ; 124; 0;49872
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3; 3014.2; 14-SEP-2011 09:25:21; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49892
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6; 4974.2; 14-SEP-2011 09:58:01; Dark ; 57.5; 8; 10Alp CMI ; 0.40; 6500;occ; 115; 0;49892
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3; 3013.6; 14-SEP-2011 11:05:35; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49893
4; 3121.6; 14-SEP-2011 11:07:23; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49893
5; 4457.7; 14-SEP-2011 11:29:39; Bright; 44.0; 24; 66Alp Gem ; 1.58; 10200;occ; 88; 0;49893
6; 4974.6; 14-SEP-2011 11:38:16; Dark ; 51.5; 8; 10Alp CMI ; 0.40; 6500;occ; 103; 0;49893
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6; 2397.6; 14-SEP-2011 22:36:57; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49900
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3; 2398.1; 14-SEP-2011 19:16:29; Bright; 42.0; 93; 53Bet Peg ; 2.52; 3100;occ; 84; 0;49898
4; 3011.5; 14-SEP-2011 19:26:43; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;49898
5; 3118.7; 14-SEP-2011 19:28:30; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49898
6; 4458.4; 14-SEP-2011 19:50:49; Bright; 43.5; 24; 66Alp Gem ; 1.58; 10200;occ; 87; 0;49898
7; 4977.2; 14-SEP-2011 19:59:28; Dark ; 53.5; 8; 10Alp CMI ; 0.40; 6500;occ; 107; 0;49898
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8; 1516.3; 15-SEP-2011 06:43:25; Dark ; 31.0; 52; 16Bet Cet ; 2.04; 4500;occ; 62; 0;49905
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8; 4983.0; 15-SEP-2011 14:22:08; Dark ; 53.0; 8; 10Alp CMi ; 0.40; 6500;occ; 106; 0;49909
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4; 2513.7; 15-SEP-2011 17:01:26; Bright; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;49911
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3; 2506.7; 16-SEP-2011 11:23:53; Bright; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;49922
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5; 3105.4; 16-SEP-2011 11:33:52; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49922
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3; 2505.7; 16-SEP-2011 14:44:20; Bright; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;49924
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5; 2999.7; 16-SEP-2011 16:32:48; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;49925
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3; -454.7; 17-SEP-2011 06:37:19; Dark ; 62.5; 1; 9Alp CMA ; -1.44; 11000;occ; 125; 0;49933
4; -329.5; 17-SEP-2011 06:39:24; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;49933
5; -98.3; 17-SEP-2011 06:43:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49933
6; 732.5; 17-SEP-2011 06:57:06; Dark ; 56.0; 9; Alp Eri ; 0.45; 24000;occ; 112; 0;49934
7; 1071.9; 17-SEP-2011 07:02:46; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;49934
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2; 2389.9; 17-SEP-2011 07:24:44; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49934
3; 2499.5; 17-SEP-2011 07:26:33; Bright; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;49934
4; 2996.1; 17-SEP-2011 07:34:50; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49934
5; 3099.1; 17-SEP-2011 07:36:33; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49934
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9; 5687.2; 17-SEP-2011 11:40:09; Dark ; 49.5; 23; 21Eps CMA ; 1.50; 26000;occ; 99; 0;49936
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4; 2994.7; 17-SEP-2011 12:35:30; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;49937
5; 3097.3; 17-SEP-2011 12:37:13; Bright; 43.5; 76; 27Gam Cas ; 2.30; 30000;occ; 87; 0;49937
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9; 5688.2; 17-SEP-2011 13:20:24; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;49937
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5; 2994.4; 17-SEP-2011 14:15:44; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49938
6; 3096.8; 17-SEP-2011 14:17:26; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49938
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3; 2388.8; 17-SEP-2011 15:45:52; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;49939
4; 2496.3; 17-SEP-2011 15:47:40; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;49939
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9; 2991.4; 18-SEP-2011 01:57:19; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49945
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4; -75.7; 18-SEP-2011 21:08:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49956
5; 743.3; 18-SEP-2011 21:22:38; Dark ; 52.5; 9; Alp Eri ; 0.45; 24000;occ; 105; 0;49957
6; 1080.5; 18-SEP-2011 21:28:16; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;49957
7; 1524.0; 18-SEP-2011 21:35:39; Dark ; 56.0; 52; 16Bet Cet ; 2.04; 4500;occ; 112; 0;49957
8; 2158.5; 18-SEP-2011 21:46:13; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;49957
9; 2385.4; 18-SEP-2011 21:50:00; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;49957
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3; 2490.5; 18-SEP-2011 08:29:54; Bright; 43.5; 58; 21Alp And ; 2.07; 11000;occ; 87; 0;49949
4; 2989.8; 18-SEP-2011 08:38:13; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;49949
5; 3091.0; 18-SEP-2011 08:39:54; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49949
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8; 5577.9; 18-SEP-2011 09:21:21; Dark ; 64.5; 1; 9Alp CMA ; -1.44; 11000;occ; 129; 0;49949
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3; 2490.0; 18-SEP-2011 10:10:07; Bright; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;49950
4; 2989.4; 18-SEP-2011 10:18:27; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49950
5; 3090.5; 18-SEP-2011 10:20:08; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49950
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8; 5579.0; 18-SEP-2011 11:01:36; Dark ; 69.5; 1; 9Alp CMA ; -1.44; 11000;occ; 139; 0;49950
9; 5699.7; 18-SEP-2011 11:03:37; Dark ; 51.0; 23; 21Eps CMA ; 1.50; 26000;occ; 102; 0;49950
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11; 7092.2; 18-SEP-2011 11:26:49; Dark ; 41.5; 84; Alp Phe ; 2.40; 4500;occ; 83; 0;49951
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4; 2988.8; 18-SEP-2011 11:58:40; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49951
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3; 2488.7; 18-SEP-2011 13:30:34; Bright; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;49952
4; 2988.6; 18-SEP-2011 13:38:54; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;49952
5; 3089.4; 18-SEP-2011 13:40:34; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;49952
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3; 2386.3; 18-SEP-2011 15:09:05; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49953
4; 2488.3; 18-SEP-2011 15:10:47; Bright; 43.5; 58; 21Alp And ; 2.07; 11000;occ; 87; 0;49953
5; 2988.2; 18-SEP-2011 15:19:07; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49953
6; 3089.0; 18-SEP-2011 15:20:48; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;49953

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4; 2487.6; 18-SEP-2011 16:51:01; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;49954
5; 2987.8; 18-SEP-2011 16:59:21; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49954
6; 3088.5; 18-SEP-2011 17:01:01; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;49954
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9; 5584.1; 18-SEP-2011 17:42:37; Dark ; 73.5; 1; 9Alp CMA ; -1.44; 11000;occ; 147; 0;49954
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3; -73.7; 19-SEP-2011 00:29:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49958
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3; -421.5; 19-SEP-2011 05:24:23; Dark ; 76.5; 1; 9Alp CMA ;-1.44; 11000;occ; 153; 0;49961
4; -303.8; 19-SEP-2011 05:26:21; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;49961
5; -70.7; 19-SEP-2011 05:30:14; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;49961
6; 1082.4; 19-SEP-2011 05:49:27; Dark ; 44.5; 84; Alp Phe ; 2.40; 4500;occ; 89; 0;49962
7; 1524.9; 19-SEP-2011 05:56:50; Dark ; 57.0; 52; 16Bet Cet ; 2.04; 4500;occ; 114; 0;49962
8; 2158.2; 19-SEP-2011 06:07:23; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;49962
9; 2384.7; 19-SEP-2011 06:11:09; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;49962
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3; 2482.8; 19-SEP-2011 07:53:02; Bright; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;49963
4; 2984.3; 19-SEP-2011 08:01:23; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;49963
5; 3084.0; 19-SEP-2011 08:03:03; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;49963
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9; 5712.0; 19-SEP-2011 08:46:51; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 0;49963
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4; 2983.9; 19-SEP-2011 09:41:37; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;49964
5; 3083.5; 19-SEP-2011 09:43:16; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49964
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9; 2382.4; 20-SEP-2011 05:34:22; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;49976
10; 2475.9; 20-SEP-2011 05:35:56; Bright; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;49976
11; 2979.4; 20-SEP-2011 05:44:19; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49976
12; 3077.3; 20-SEP-2011 05:45:57; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;49976
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2; -991.4; 20-SEP-2011 06:18:23; Dark ; 62.0; 8; 10Alp CMi ; 0.40; 6500;occ; 124; 0;49976
3; -402.6; 20-SEP-2011 06:28:11; Dark ; 28.0; 1; 9Alp CMA ; -1.44; 11000;occ; 56; 0;49976
4; -289.4; 20-SEP-2011 06:30:05; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 0;49976
5; -55.5; 20-SEP-2011 06:33:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49976
6; 66.2; 20-SEP-2011 06:36:00; Dark ; 55.0; 2; Alp Car ; -0.74; 7000;occ; 110; 0;49977
7; 1087.9; 20-SEP-2011 06:53:02; Dark ; 41.5; 84; Alp Phe ; 2.40; 4500;occ; 83; 0;49977
8; 1527.1; 20-SEP-2011 07:00:21; Dark ; 55.5; 52; 16Bet Cet ; 2.04; 4500;occ; 111; 0;49977
9; 2156.9; 20-SEP-2011 07:10:51; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;49977
10; 2382.2; 20-SEP-2011 07:14:36; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;49977
11; 2475.5; 20-SEP-2011 07:16:10; Bright; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;49977
12; 2979.0; 20-SEP-2011 07:24:33; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49977
13; 3076.8; 20-SEP-2011 07:26:11; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49977
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2; -234.7; 20-SEP-2011 23:13:19; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;49986
3; -8.9; 20-SEP-2011 23:17:05; Dark ; 43.5; 161; Tau Pup ; 2.93; 4500;occ; 87; 0;49986
4; 110.8; 20-SEP-2011 23:19:04; Dark ; 54.0; 108; Alp Col ; 2.65; 15200;occ; 108; 0;49987
5; 1091.3; 20-SEP-2011 23:35:25; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49987
6; 1528.5; 20-SEP-2011 23:42:42; Dark ; 51.5; 52; 16Bet Cet ; 2.04; 4500;occ; 103; 0;49987
7; 2380.7; 20-SEP-2011 23:56:54; Bright; 39.5; 93; 53Bet Peg ; 2.52; 3100;occ; 79; 0;49987

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8; 2470.3; 20-SEP-2011 23:58:24; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;49987
9; 2975.1; 21-SEP-2011 00:06:49; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;49987
10; 3071.9; 21-SEP-2011 00:08:26; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;49987
11; 4469.9; 21-SEP-2011 00:31:44; Bright; 47.0; 24; 66Alp Gem ; 1.58; 10200;occ; 94; 0;49987
12; 5029.9; 21-SEP-2011 00:41:03; Dark ; 63.5; 8; 10Alp CMi ; 0.40; 6500;occ; 127; 0;49987
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Problem occurred when reading packet number 92!
Invalid integration number = 14!
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2; -990.6; 20-SEP-2011 07:58:37; Dark ; 65.5; 8; 10Alp CMi ; 0.40; 6500;occ; 131; 8;49977
3; -401.3; 20-SEP-2011 08:08:27; Dark ; 28.0; 1; 9Alp CMA ; -1.44; 11000;occ; 56; 1;49977
4; -288.6; 20-SEP-2011 08:10:20; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 1;49977
5; -54.4; 20-SEP-2011 08:14:14; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 2;49977
6; 66.9; 20-SEP-2011 08:16:15; Dark ; 58.0; 2; Alp Car ; -0.74; 7000;occ; 116; 5;49978
7; 1088.2; 20-SEP-2011 08:33:16; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 1;49978
8; 1527.1; 20-SEP-2011 08:40:35; Dark ; 53.5; 52; 16Bet Cet ; 2.04; 4500;occ; 107; 0;49978
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2; 2381.5; 20-SEP-2011 15:35:45; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;49982
3; 2472.9; 20-SEP-2011 15:37:17; Bright; 42.5; 58; 21Alp And ; 2.07; 11000;occ; 85; 0;49982
4; 2977.0; 20-SEP-2011 15:45:41; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49982
5; 3074.4; 20-SEP-2011 15:47:18; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;49982
6; 4469.5; 20-SEP-2011 16:10:33; Bright; 68.0; 24; 66Alp Gem ; 1.58; 10200;occ; 136; 0;49982
7; 5026.8; 20-SEP-2011 16:19:51; Dark ; 58.0; 8; 10Alp CMi ; 0.40; 6500;occ; 116; 0;49982
8; 5661.9; 20-SEP-2011 16:30:26; Dark ; 48.0; 37; 25Del CMA ; 1.83; 5900;occ; 96; 0;49982
9; 5776.4; 20-SEP-2011 16:32:20; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;49982
10; 6002.5; 20-SEP-2011 16:36:06; Dark ; 42.0; 161; Tau Pup ; 2.93; 4500;occ; 84; 0;49982
11; 6119.5; 20-SEP-2011 16:38:03; Dark ; 56.0; 108; Alp Col ; 2.65; 15200;occ; 112; 0;49983
12; 7104.0; 20-SEP-2011 16:54:28; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;49983
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2; 2381.3; 20-SEP-2011 17:15:59; Bright; 41.0; 93; 53Bet Peg ; 2.52; 3100;occ; 82; 0;49983
3; 2472.4; 20-SEP-2011 17:17:30; Bright; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;49983
4; 2976.6; 20-SEP-2011 17:25:54; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;49983
5; 3073.8; 20-SEP-2011 17:27:32; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;49983
6; 4469.6; 20-SEP-2011 17:50:47; Bright; 47.5; 24; 66Alp Gem ; 1.58; 10200;occ; 95; 0;49983
7; 5027.4; 20-SEP-2011 18:00:05; Dark ; 64.5; 8; 10Alp CMi ; 0.40; 6500;occ; 129; 0;49983
8; 5662.9; 20-SEP-2011 18:10:41; Dark ; 55.0; 37; 25Del CMA ; 1.83; 5900;occ; 110; 0;49983
9; 5777.2; 20-SEP-2011 18:12:35; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;49983
10; 6003.2; 20-SEP-2011 18:16:21; Dark ; 40.5; 161; Tau Pup ; 2.93; 4500;occ; 81; 0;49983
11; 6120.9; 20-SEP-2011 18:18:19; Dark ; 52.5; 108; Alp Col ; 2.65; 15200;occ; 105; 0;49984
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3; 112.3; 21-SEP-2011 00:59:20; Dark ; 51.0; 108; Alp Col ; 2.65; 15200;occ; 102; 0;49988
4; 1091.7; 21-SEP-2011 01:15:39; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;49988
5; 1528.6; 21-SEP-2011 01:22:56; Dark ; 54.5; 52; 16Bet Cet ; 2.04; 4500;occ; 109; 0;49988
6; 2380.5; 21-SEP-2011 01:37:08; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;49988
7; 2469.8; 21-SEP-2011 01:38:37; Bright; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;49988
8; 2974.8; 21-SEP-2011 01:47:02; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;49988
9; 3071.4; 21-SEP-2011 01:48:39; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;49988
10; 4470.2; 21-SEP-2011 02:11:58; Bright; 46.5; 24; 66Alp Gem ; 1.58; 10200;occ; 93; 0;49988
11; 5030.7; 21-SEP-2011 02:21:18; Dark ; 63.0; 8; 10Alp CMi ; 0.40; 6500;occ; 126; 0;49988
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3; -233.1; 21-SEP-2011 02:33:48; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;49988
4; -7.7; 21-SEP-2011 02:37:34; Dark ; 41.5; 161; Tau Pup ; 2.93; 4500;occ; 83; 0;49988
5; 113.7; 21-SEP-2011 02:39:35; Dark ; 52.5; 108; Alp Col ; 2.65; 15200;occ; 105; 0;49989
6; 1092.0; 21-SEP-2011 02:55:53; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;49989
7; 1528.7; 21-SEP-2011 03:03:10; Dark ; 51.0; 52; 16Bet Cet ; 2.04; 4500;occ; 102; 0;49989
8; 2155.9; 21-SEP-2011 03:13:37; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;49989
9; 2380.5; 21-SEP-2011 03:17:22; Bright; 55.0; 93; 53Bet Peg ; 2.52; 3100;occ; 110; 0;49989
10; 2469.4; 21-SEP-2011 03:18:51; Bright; 43.5; 58; 21Alp And ; 2.07; 11000;occ; 87; 0;49989
11; 2974.4; 21-SEP-2011 03:27:16; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49989
12; 3070.8; 21-SEP-2011 03:28:52; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;49989
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4; -232.4; 21-SEP-2011 04:14:03; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;49989
5; -7.0; 21-SEP-2011 04:17:48; Dark ; 40.5; 161; Tau Pup ; 2.93; 4500;occ; 81; 0;49989
6; 115.0; 21-SEP-2011 04:19:50; Dark ; 56.5; 108; Alp Col ; 2.65; 15200;occ; 113; 0;49990
7; 1092.4; 21-SEP-2011 04:36:08; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;49990
8; 1528.9; 21-SEP-2011 04:43:24; Dark ; 55.5; 52; 16Bet Cet ; 2.04; 4500;occ; 111; 0;49990
9; 2155.8; 21-SEP-2011 04:53:51; Bright; 38.0; 90; 54Alp Peg ; 2.49; 11000;occ; 76; 0;49990
10; 2380.3; 21-SEP-2011 04:57:36; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;49990
11; 2468.9; 21-SEP-2011 04:59:04; Bright; 42.5; 58; 21Alp And ; 2.07; 11000;occ; 85; 0;49990
12; 2974.0; 21-SEP-2011 05:07:29; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;49990
13; 3070.5; 21-SEP-2011 05:09:06; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;49990
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3; 2155.1; 21-SEP-2011 21:36:10; Bright; 38.5; 90; 54Alp Peg ; 2.49; 11000;occ; 77; 0;50000
4; 2379.0; 21-SEP-2011 21:39:54; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;50000
5; 2463.9; 21-SEP-2011 21:41:19; Bright; 43.5; 58; 21Alp And ; 2.07; 11000;occ; 87; 0;50000
6; 2970.4; 21-SEP-2011 21:49:46; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;50000
7; 3065.4; 21-SEP-2011 21:51:21; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;50000
8; 4471.6; 21-SEP-2011 22:14:47; Bright; 48.5; 24; 66Alp Gem ; 1.58; 10200;occ; 97; 0;50000
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3; 1530.6; 22-SEP-2011 00:46:14; Dark ; 53.5; 52; 16Bet Cet ; 2.04; 4500;occ; 107; 0;50002
4; 2154.8; 22-SEP-2011 00:56:38; Bright; 38.0; 90; 54Alp Peg ; 2.49; 11000;occ; 76; 0;50002
5; 2378.7; 22-SEP-2011 01:00:22; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;50002
6; 2462.9; 22-SEP-2011 01:01:46; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;50002
7; 2969.7; 22-SEP-2011 01:10:13; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;50002
8; 3064.5; 22-SEP-2011 01:11:47; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50002
9; 4471.9; 22-SEP-2011 01:35:15; Bright; 50.5; 24; 66Alp Gem ; 1.58; 10200;occ; 101; 0;50002
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3; 1.5; 22-SEP-2011 02:00:58; Dark ; 49.0; 161; Tau Pup ; 2.93; 4500;occ; 98; 0;50002
4; 132.9; 22-SEP-2011 02:03:10; Dark ; 43.0; 108; Alp Col ; 2.65; 15200;occ; 86; 0;50003
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6; 1530.8; 22-SEP-2011 02:26:28; Dark ; 54.0; 52; 16Bet Cet ; 2.04; 4500;occ; 108; 0;50003
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9; 2969.4; 22-SEP-2011 02:50:26; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;50003
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2; 10.8; 23-SEP-2011 01:24:23; Dark ; 47.0; 161; Tau Pup ; 2.93; 4500;occ; 94; 0;50017
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3; 4565.0; 26-SEP-2011 20:52:52; Bright; 26.5; 17; 78Bet Gem ; 1.16; 4500;occ; 53; 0;50071
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1;-2978.6; 26-SEP-2011 12:06:12; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50066
2;-1450.0; 26-SEP-2011 12:31:41; Bright; 44.0; 17; 78Bet Gem ; 1.16; 4500;occ; 88; 0;50066
3; -491.6; 26-SEP-2011 12:47:39; Dark ; 49.0; 132; 15Rho Pup ; 2.80; 6900;occ; 98; 0;50066
4; -287.6; 26-SEP-2011 12:51:03; Dark ; 50.0; 88; 31Eta CMA ; 2.45; 20000;occ; 100; 0;50066
5; -194.0; 26-SEP-2011 12:52:37; Dark ; 53.5; 23; 21Eps CMA ; 1.50; 26000;occ; 107; 0;50066
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1; 2948.5; 26-SEP-2011 13:44:59; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;50067
2; 3035.1; 26-SEP-2011 13:46:26; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50067
3; 4564.2; 26-SEP-2011 14:11:55; Bright; 44.0; 17; 78Bet Gem ; 1.16; 4500;occ; 88; 0;50067
4; 5727.2; 26-SEP-2011 14:31:18; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50067
5; 5821.1; 26-SEP-2011 14:32:52; Dark ; 51.5; 23; 21Eps CMA ; 1.50; 26000;occ; 103; 0;50067
6; 6883.3; 26-SEP-2011 14:50:34; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;50068
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20110926_151228_000047493107_00054_50068_5360.N1
1; 2183.8; 26-SEP-2011 15:12:28; Bright; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;50068
2; 3034.7; 26-SEP-2011 15:26:39; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;50068
3; 4564.4; 26-SEP-2011 15:52:09; Bright; 35.0; 17; 78Bet Gem ; 1.16; 4500;occ; 70; 0;50068
4; 5728.3; 26-SEP-2011 16:11:33; Dark ; 49.5; 88; 31Eta CMA ; 2.45; 20000;occ; 99; 0;50068
5; 5822.4; 26-SEP-2011 16:13:07; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;50068
6; 6884.2; 26-SEP-2011 16:30:49; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;50069
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20110926_164159_000053953107_00055_50069_5361.N1
1; 1540.0; 26-SEP-2011 16:41:59; Dark ; 20.0; 52; 16Bet Cet ; 2.04; 4500;occ; 40; 0;50069
2; 3034.1; 26-SEP-2011 17:06:53; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50069
3; 4564.8; 26-SEP-2011 17:32:23; Bright; 35.0; 17; 78Bet Gem ; 1.16; 4500;occ; 70; 0;50069
4; 5729.2; 26-SEP-2011 17:51:48; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50069
5; 5823.5; 26-SEP-2011 17:53:22; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;50069
6; 6885.0; 26-SEP-2011 18:11:04; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50070
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1;-2980.4; 26-SEP-2011 18:47:06; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;50070
2;-1449.2; 26-SEP-2011 19:12:37; Bright; 27.0; 17; 78Bet Gem ; 1.16; 4500;occ; 54; 0;50070
3; -283.9; 26-SEP-2011 19:32:03; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50070
4; -189.4; 26-SEP-2011 19:33:37; Dark ; 53.5; 23; 21Eps CMA ; 1.50; 26000;occ; 107; 0;50070
5; 871.7; 26-SEP-2011 19:51:18; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;50071
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1; 2178.9; 27-SEP-2011 21:16:35; Bright; 41.0; 140; 88Gam Peg ; 2.83; 26000;occ; 82; 0;50086
2; 3026.9; 27-SEP-2011 21:30:43; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50086
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1; -268.0; 27-SEP-2011 22:16:02; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000;occ; 98; 0;50086
2; -170.7; 27-SEP-2011 22:17:39; Dark ; 48.5; 23; 21Eps CMA ; 1.50; 26000;occ; 97; 0;50086
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1; 54.5; 27-SEP-2011 10:39:47; Dark ; 44.5; 161; Tau Pup ; 2.93; 4500;occ; 89; 0;50080
2; 138.1; 27-SEP-2011 10:41:10; Dark ; 58.5; 2; Alp Car ; -0.74; 7000;occ; 117; 0;50080
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1; 2180.5; 27-SEP-2011 11:15:13; Bright; 41.0; 140; 88Gam Peg ; 2.83; 26000;occ; 82; 0;50080
2; 2944.7; 27-SEP-2011 11:27:57; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;50080
3; 3029.6; 27-SEP-2011 11:29:22; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50080
4; 5532.6; 27-SEP-2011 12:11:05; Dark ; 45.5; 132; 15Rho Pup ; 2.80; 6900;occ; 91; 0;50080
5; 5739.9; 27-SEP-2011 12:14:32; Dark ; 50.0; 88; 31Eta CMA ; 2.45; 20000;occ; 100; 0;50080
6; 5836.1; 27-SEP-2011 12:16:08; Dark ; 48.0; 23; 21Eps CMA ; 1.50; 26000;occ; 96; 0;50080
7; 5947.0; 27-SEP-2011 12:17:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;50080
8; 6069.1; 27-SEP-2011 12:20:01; Dark ; 43.0; 161; Tau Pup ; 2.93; 4500;occ; 86; 0;50081
9; 6152.7; 27-SEP-2011 12:21:25; Dark ; 53.0; 2; Alp Car ; -0.74; 7000;occ; 106; 0;50081
10; 6893.5; 27-SEP-2011 12:33:46; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;50081
11; 7555.6; 27-SEP-2011 12:44:48; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;50081
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1; 2180.3; 27-SEP-2011 12:55:26; Bright; 41.0; 140; 88Gam Peg ; 2.83; 26000;occ; 82; 0;50081
2; 2944.4; 27-SEP-2011 13:08:11; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;50081
3; 3029.2; 27-SEP-2011 13:09:35; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50081
4; 5533.4; 27-SEP-2011 13:51:20; Dark ; 47.0; 132; 15Rho Pup ; 2.80; 6900;occ; 94; 0;50081
5; 5740.9; 27-SEP-2011 13:54:47; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000;occ; 95; 0;50081
6; 5837.4; 27-SEP-2011 13:56:24; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;50081
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1; 2180.1; 27-SEP-2011 14:35:40; Bright; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;50082
2; 2944.3; 27-SEP-2011 14:48:24; Bright; 37.0; 74; 11Bet Cas ; 2.27; 6600;occ; 74; 0;50082
3; 3028.8; 27-SEP-2011 14:49:49; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;50082
4; 5534.2; 27-SEP-2011 15:31:34; Dark ; 47.0; 132; 15Rho Pup ; 2.80; 6900;occ; 94; 0;50082

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5; 6154.3; 27-SEP-2011 15:41:54; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;50083
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 1; 2179.8; 27-SEP-2011 16:15:54; Bright; 41.0; 140; 88Gam Peg ; 2.83; 26000;occ; 82; 0;50083
 2; 3028.4; 27-SEP-2011 16:30:02; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50083
 3; 5743.0; 27-SEP-2011 17:15:17; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000;occ; 95; 0;50083
 4; 5839.9; 27-SEP-2011 17:16:54; Dark ; 65.5; 23; 21Eps CMA ; 1.50; 26000;occ; 131; 0;50083
 5; 6895.9; 27-SEP-2011 17:34:30; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;50084
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 2; 3027.9; 27-SEP-2011 18:10:16; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50084
 3; 5743.9; 27-SEP-2011 18:55:32; Dark ; 48.0; 88; 31Eta CMA ; 2.45; 20000;occ; 96; 0;50084
 4; 6896.6; 27-SEP-2011 19:14:45; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;50085
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 2; 3027.3; 27-SEP-2011 19:50:29; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50085
 3; 5744.9; 27-SEP-2011 20:35:47; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50085
 4; 5842.1; 27-SEP-2011 20:37:24; Dark ; 53.0; 23; 21Eps CMA ; 1.50; 26000;occ; 106; 0;50085
 5; 6897.5; 27-SEP-2011 20:55:00; Dark ; 23.5; 157; The1Eri ; 2.91; 9300;occ; 47; 0;50086
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 1; 886.4; 28-SEP-2011 03:35:58; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;50090
 2; 3025.4; 28-SEP-2011 04:11:37; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;50090
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 2; -165.8; 28-SEP-2011 04:58:40; Dark ; 54.5; 23; 21Eps CMA ; 1.50; 26000;occ; 109; 0;50090
 3; 887.1; 28-SEP-2011 05:16:13; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50091
 4; 3024.9; 28-SEP-2011 05:51:51; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;50091
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 1; 894.0; 28-SEP-2011 20:18:26; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;50100
 2; 2939.2; 28-SEP-2011 20:52:31; Bright; 2.0; 74; 11Bet Cas ; 2.27; 6600;occ; 4; 0;50100
 3; 3021.2; 28-SEP-2011 20:53:53; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50100
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 2; -153.6; 28-SEP-2011 21:41:12; Dark ; 60.0; 23; 21Eps CMA ; 1.50; 26000;occ; 120; 0;50100
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 1; -263.1; 28-SEP-2011 06:37:17; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50091
 2; -164.5; 28-SEP-2011 06:38:55; Dark ; 53.0; 23; 21Eps CMA ; 1.50; 26000;occ; 106; 0;50091
 3; 887.8; 28-SEP-2011 06:56:28; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;50092
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 2; 3024.6; 28-SEP-2011 07:32:04; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;50092
 3; 5751.8; 28-SEP-2011 08:17:32; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000;occ; 95; 0;50092
 4; 5850.6; 28-SEP-2011 08:19:11; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;50092
 5; 6902.7; 28-SEP-2011 08:36:43; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;50093
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 2; -261.0; 28-SEP-2011 09:57:47; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000;occ; 98; 0;50093
 3; -162.1; 28-SEP-2011 09:59:26; Dark ; 61.0; 23; 21Eps CMA ; 1.50; 26000;occ; 122; 0;50093
 4; 889.5; 28-SEP-2011 10:16:57; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;50094
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 2; 3023.7; 28-SEP-2011 10:52:31; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50094
 3; 5754.0; 28-SEP-2011 11:38:02; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000;occ; 98; 0;50094
 4; 5853.1; 28-SEP-2011 11:39:41; Dark ; 57.0; 23; 21Eps CMA ; 1.50; 26000;occ; 114; 0;50094
 5; 6904.2; 28-SEP-2011 11:57:12; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50095
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 2; -258.9; 28-SEP-2011 13:18:17; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000;occ; 98; 0;50095
 3; -159.6; 28-SEP-2011 13:19:56; Dark ; 54.5; 23; 21Eps CMA ; 1.50; 26000;occ; 109; 0;50095
 4; 891.1; 28-SEP-2011 13:37:27; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;50096
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 2; -257.9; 28-SEP-2011 14:58:32; Dark ; 46.0; 88; 31Eta CMA ; 2.45; 20000;occ; 92; 0;50096
 3; -158.6; 28-SEP-2011 15:00:11; Dark ; 53.5; 23; 21Eps CMA ; 1.50; 26000;occ; 107; 0;50096
 4; 891.7; 28-SEP-2011 15:17:41; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;50097
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 1; 1544.0; 28-SEP-2011 15:28:34; Dark ; 50.0; 52; 16Bet Cet ; 2.04; 4500;occ; 100; 0;50097
 2; 2176.3; 28-SEP-2011 15:39:06; Bright; 40.5; 140; 88Gam Peg ; 2.83; 26000;occ; 81; 0;50097
 3; 2426.2; 28-SEP-2011 15:43:16; Bright; 41.5; 58; 21Alp And ; 2.07; 11000;occ; 83; 0;50097


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4; 3022.5; 28-SEP-2011 15:53:12; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;50097
5; 5757.1; 28-SEP-2011 16:38:47; Dark ; 49.0; 88; 31Eta CMA ; 2.45; 20000;occ; 98; 0;50097
6; 5856.7; 28-SEP-2011 16:40:26; Dark ; 54.0; 23; 21Eps CMA ; 1.50; 26000;occ; 108; 0;50097
7; 6906.4; 28-SEP-2011 16:57:56; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50098
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2; -256.0; 28-SEP-2011 18:19:02; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;50098
3; -156.2; 28-SEP-2011 18:20:41; Dark ; 55.0; 23; 21Eps CMA ; 1.50; 26000;occ; 110; 0;50098
4; 68.2; 28-SEP-2011 18:24:26; Dark ; 45.0; 161; Tau Pup ; 2.93; 4500;occ; 90; 0;50099
5; 152.0; 28-SEP-2011 18:25:50; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;50099
6; 893.2; 28-SEP-2011 18:38:11; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50099
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2; -254.9; 28-SEP-2011 19:59:17; Dark ; 52.0; 88; 31Eta CMA ; 2.45; 20000;occ; 104; 0;50099
3; -154.9; 28-SEP-2011 20:00:57; Dark ; 55.0; 23; 21Eps CMA ; 1.50; 26000;occ; 110; 0;50099
4; 68.9; 28-SEP-2011 20:04:40; Dark ; 50.5; 161; Tau Pup ; 2.93; 4500;occ; 101; 0;50100
5; 152.6; 28-SEP-2011 20:06:04; Dark ; 59.0; 2; Alp Car ; -0.74; 7000;occ; 118; 0;50100
6; 894.0; 28-SEP-2011 20:18:26; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;50100
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2; 155.6; 29-SEP-2011 02:47:03; Dark ; 52.5; 2; Alp Car ; -0.74; 7000;occ; 105; 0;50104
3; 897.0; 29-SEP-2011 02:59:24; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;50104
4; 2652.5; 29-SEP-2011 03:28:40; Bright; 41.0; 53; 43Bet And ; 2.05; 3300;occ; 82; 0;50104
5; 3019.6; 29-SEP-2011 03:34:47; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;50104
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2; -147.5; 29-SEP-2011 06:02:28; Dark ; 60.0; 23; 21Eps CMA ; 1.50; 26000;occ; 120; 0;50105
3; 898.5; 29-SEP-2011 06:19:54; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;50106
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1; 905.1; 29-SEP-2011 21:22:06; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;50115
2; 2644.9; 29-SEP-2011 21:51:06; Bright; 48.0; 53; 43Bet And ; 2.05; 3300;occ; 96; 0;50115
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2; 2644.1; 29-SEP-2011 23:31:19; Bright; 48.0; 53; 43Bet And ; 2.05; 3300;occ; 96; 0;50116
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1; 906.4; 30-SEP-2011 00:42:35; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;50117
2; 2643.5; 30-SEP-2011 01:11:32; Bright; 49.0; 53; 43Bet And ; 2.05; 3300;occ; 98; 0;50117
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2; 2642.8; 30-SEP-2011 02:51:45; Bright; 48.5; 53; 43Bet And ; 2.05; 3300;occ; 97; 0;50118
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2; 2641.6; 30-SEP-2011 06:12:12; Bright; 45.5; 53; 43Bet And ; 2.05; 3300;occ; 91; 0;50120
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