

# GOMOS Daily Report 08-SEP-2010

## Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM\_TRA\_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	11SEP2010 04:41:56
Data source version	GOMOS/5.01
Start time of products	08SEP2010 00:00:04
Stop time of products	08SEP2010 23:50:08
Store outputs in DB	Yes
Nb of level 1b prods	104
Nb of prods with errors	1

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

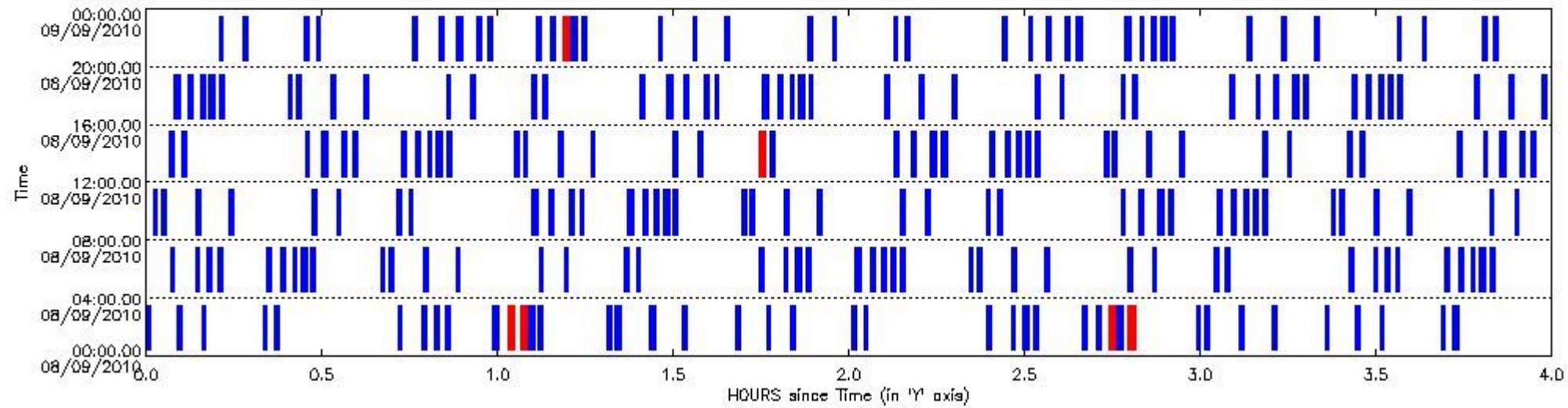
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
08-SEP-2010 01:01:51	21EpsCMa	23	44559
08-SEP-2010 01:03:52	1ZetCMa	177	44559
08-SEP-2010 02:44:29	1ZetCMa	177	44560
08-SEP-2010 02:47:39	AlpCol	108	44560
08-SEP-2010 13:44:45	11BetCas	74	44567
08-SEP-2010 21:11:14	1ZetCMa	177	44571

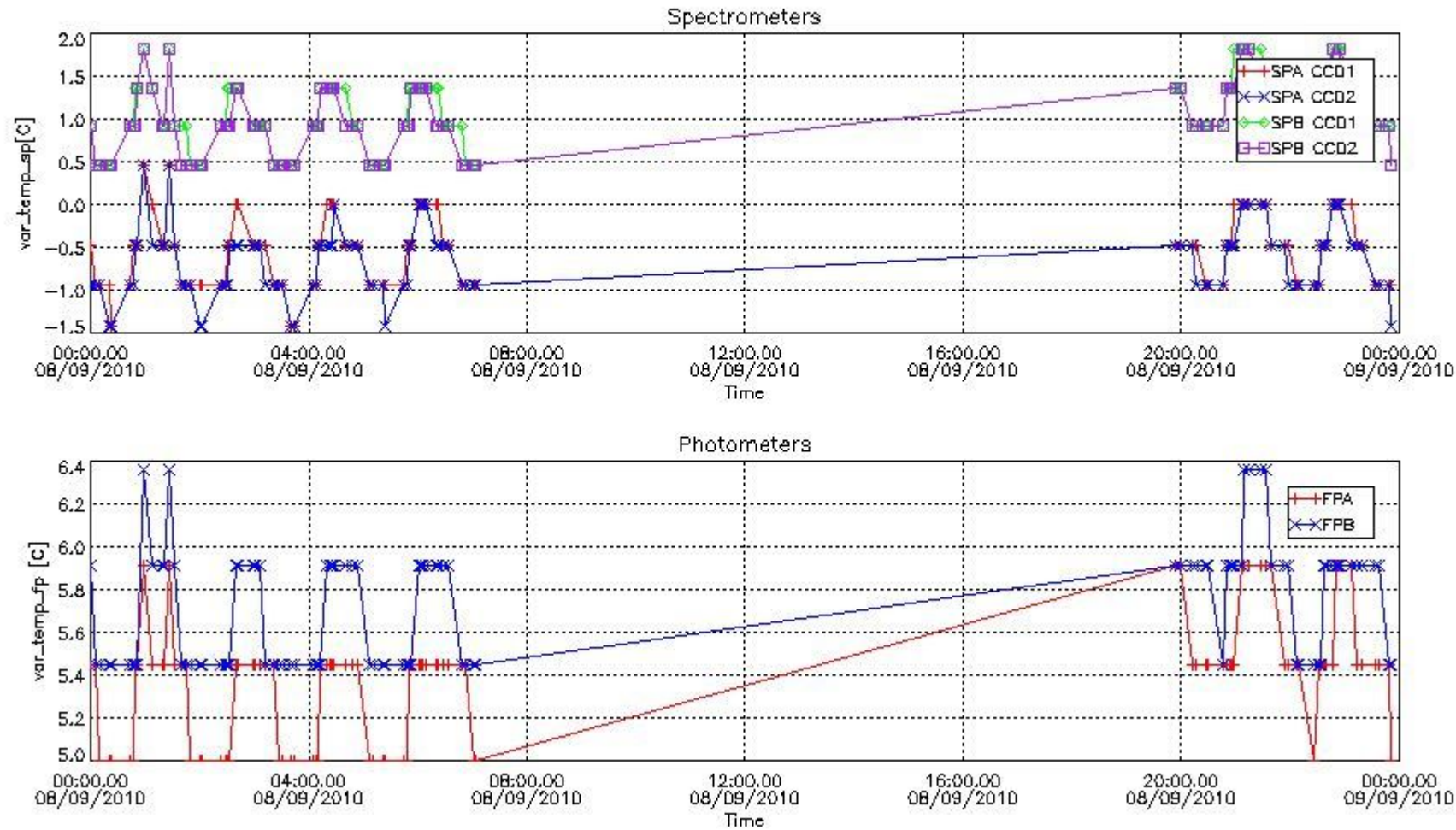
### 2.4 Summary of processed GOM\_TRA\_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100908_000004_000000392092_00417_44559_1761.N1	08-SEP-2010 00:00:04	Bright	38.500	162	34Alp Aqr	2.9440	5350.0	77	44559	No
2	GOM_TRA_1PNPDE20100908_000517_000000442092_00417_44559_1762.N1	08-SEP-2010 00:05:17	Bright	43.500	90	54Alp Peg	2.4870	11000.	87	44559	No
3	GOM_TRA_1PNPDE20100908_000930_000000422092_00417_44559_1763.N1	08-SEP-2010 00:09:30	Bright	41.500	164	44Eta Peg	2.9480	5400.0	83	44559	No
4	GOM_TRA_1PNPDE20100908_001954_000000422092_00417_44559_1764.N1	08-SEP-2010 00:19:54	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	44559	No
5	GOM_TRA_1PNPDE20100908_002154_000000452092_00417_44559_1765.N1	08-SEP-2010 00:21:54	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	44559	No



65	GOM_TRA_1PNPDE20100908_065153_000000392092_00421_44563_1865.N1	08-SEP-2010 06:51:53	Bright	39.000	164	44Eta Peg	2.9480	5400.0	78	44563	No
66	GOM_TRA_1PNPDE20100908_070215_000000452092_00421_44563_1866.N1	08-SEP-2010 07:02:15	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	44563	No
67	GOM_TRA_1PNPDE20100908_070415_000000442092_00421_44563_1867.N1	08-SEP-2010 07:04:15	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	44563	No
68	GOM_TRA_1PNPDE20100908_195239_000000502092_00429_44571_1940.N1	08-SEP-2010 19:52:39	Straylight	50.000	84	Alp Phe	2.3970	4500.0	100	44571	No
69	GOM_TRA_1PNPDE20100908_195816_000000452092_00429_44571_1941.N1	08-SEP-2010 19:58:16	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	44571	No
70	GOM_TRA_1PNPDE20100908_201224_000000442092_00429_44571_1942.N1	08-SEP-2010 20:12:24	Bright	44.000	90	54Alp Peg	2.4870	11000.	88	44571	No
71	GOM_TRA_1PNPDE20100908_201637_000000422092_00429_44571_1943.N1	08-SEP-2010 20:16:37	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	44571	No
72	GOM_TRA_1PNPDE20100908_202658_000000442092_00429_44571_1944.N1	08-SEP-2010 20:26:58	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	44571	No
73	GOM_TRA_1PNPDE20100908_202858_000000442092_00429_44571_1945.N1	08-SEP-2010 20:28:58	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	44571	No
74	GOM_TRA_1PNPDE20100908_204530_000000512092_00429_44571_1946.N1	08-SEP-2010 20:45:30	Bright	51.000	42	34Bet Aur	1.9000	10200.	102	44571	No
75	GOM_TRA_1PNPDE20100908_205006_000000402092_00429_44571_1947.N1	08-SEP-2010 20:50:06	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	44571	No
76	GOM_TRA_1PNPDE20100908_205259_000000562092_00429_44571_1948.N1	08-SEP-2010 20:52:59	Twilight	56.000	170	27Eps Gem	3.0000	9700.0	112	44571	No
77	GOM_TRA_1PNPDE20100908_205620_000000552092_00429_44571_1949.N1	08-SEP-2010 20:56:20	Twilight	55.000	44	24Gam Gem	1.9280	11000.	110	44571	No
78	GOM_TRA_1PNPDE20100908_205812_000000502092_00429_44571_1959.N1	08-SEP-2010 20:58:12	Twilight	50.000	8	10Alp CMi	0.40000	6500.0	100	44571	No
79	GOM_TRA_1PNPDE20100908_210630_000000522092_00429_44571_1960.N1	08-SEP-2010 21:06:30	Dark	51.500	1	9Alp CMa	-1.4400	11000.	103	44571	No
80	GOM_TRA_1PNPDE20100908_210902_000000482092_00429_44571_1961.N1	08-SEP-2010 21:09:02	Dark	48.000	23	21Eps CMa	1.5020	26000.	96	44571	No
81	GOM_TRA_1PNPDE20100908_211418_000000472092_00429_44571_1962.N1	08-SEP-2010 21:14:18	Dark	47.000	108	Alp Col	2.6520	15200.	94	44571	No
82	GOM_TRA_1PNPDE20100908_212722_000000452092_00430_44572_1963.N1	08-SEP-2010 21:27:22	Dark	45.000	9	Alp Eri	0.45300	24000.	90	44572	No
83	GOM_TRA_1PNPDE20100908_213315_000000452092_00430_44572_1964.N1	08-SEP-2010 21:33:15	Straylight	45.000	84	Alp Phe	2.3970	4500.0	90	44572	No
84	GOM_TRA_1PNPDE20100908_213852_000000452092_00430_44572_1965.N1	08-SEP-2010 21:38:52	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	44572	No
85	GOM_TRA_1PNPDE20100908_215259_000000452092_00430_44572_1966.N1	08-SEP-2010 21:52:59	Bright	44.500	90	54Alp Peg	2.4870	11000.	89	44572	No
86	GOM_TRA_1PNPDE20100908_215713_000000392092_00430_44572_1967.N1	08-SEP-2010 21:57:13	Bright	38.500	164	44Eta Peg	2.9480	5400.0	77	44572	No
87	GOM_TRA_1PNPDE20100908_220734_000000452092_00430_44572_1968.N1	08-SEP-2010 22:07:34	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	44572	No
88	GOM_TRA_1PNPDE20100908_220932_000000452092_00430_44572_1969.N1	08-SEP-2010 22:09:32	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	44572	No
89	GOM_TRA_1PNPDE20100908_222606_000000542092_00430_44572_1970.N1	08-SEP-2010 22:26:06	Bright	53.500	42	34Bet Aur	1.9000	10200.	107	44572	No
90	GOM_TRA_1PNPDE20100908_223042_000000412092_00430_44572_1971.N1	08-SEP-2010 22:30:42	Bright	41.000	24	66Alp Gem	1.5800	10200.	82	44572	No
91	GOM_TRA_1PNPDE20100908_223335_000000542092_00430_44572_1972.N1	08-SEP-2010 22:33:35	Twilight	54.000	170	27Eps Gem	3.0000	9700.0	108	44572	No
92	GOM_TRA_1PNPDE20100908_223657_000000482092_00430_44572_1973.N1	08-SEP-2010 22:36:57	Twilight	48.000	44	24Gam Gem	1.9280	11000.	96	44572	No
93	GOM_TRA_1PNPDE20100908_223848_000000552092_00430_44572_1974.N1	08-SEP-2010 22:38:48	Twilight	55.000	8	10Alp CMi	0.40000	6500.0	110	44572	No
94	GOM_TRA_1PNPDE20100908_224707_000000532092_00430_44572_1983.N1	08-SEP-2010 22:47:07	Dark	53.000	1	9Alp CMa	-1.4400	11000.	106	44572	No
95	GOM_TRA_1PNPDE20100908_224939_000000432092_00430_44572_1984.N1	08-SEP-2010 22:49:39	Dark	42.500	23	21Eps CMa	1.5020	26000.	85	44572	No
96	GOM_TRA_1PNPDE20100908_225142_000000442092_00430_44572_1985.N1	08-SEP-2010 22:51:42	Dark	43.500	177	1Zet CMa	3.0220	26000.	87	44572	No
97	GOM_TRA_1PNPDE20100908_225455_000000482092_00430_44572_1986.N1	08-SEP-2010 22:54:55	Dark	48.000	108	Alp Col	2.6520	15200.	96	44572	No
98	GOM_TRA_1PNPDE20100908_230759_000000452092_00431_44573_1987.N1	08-SEP-2010 23:07:59	Dark	44.500	9	Alp Eri	0.45300	24000.	89	44573	No
99	GOM_TRA_1PNPDE20100908_231351_000000452092_00431_44573_1988.N1	08-SEP-2010 23:13:51	Straylight	45.000	84	Alp Phe	2.3970	4500.0	90	44573	No
100	GOM_TRA_1PNPDE20100908_231928_000000472092_00431_44573_1989.N1	08-SEP-2010 23:19:28	Straylight	47.000	18	24Alp PsA	1.1660	9700.0	94	44573	No
101	GOM_TRA_1PNPDE20100908_233335_000000442092_00431_44573_1990.N1	08-SEP-2010 23:33:35	Bright	43.500	90	54Alp Peg	2.4870	11000.	87	44573	No
102	GOM_TRA_1PNPDE20100908_233749_000000392092_00431_44573_1991.N1	08-SEP-2010 23:37:49	Bright	39.000	164	44Eta Peg	2.9480	5400.0	78	44573	No
103	GOM_TRA_1PNPDE20100908_234809_000000432092_00431_44573_1992.N1	08-SEP-2010 23:48:09	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	44573	No
104	GOM_TRA_1PNPDE20100908_235008_000000452092_00431_44573_1993.N1	08-SEP-2010 23:50:08	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	44573	No

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



#### 4. Overview of dark signal processing per product

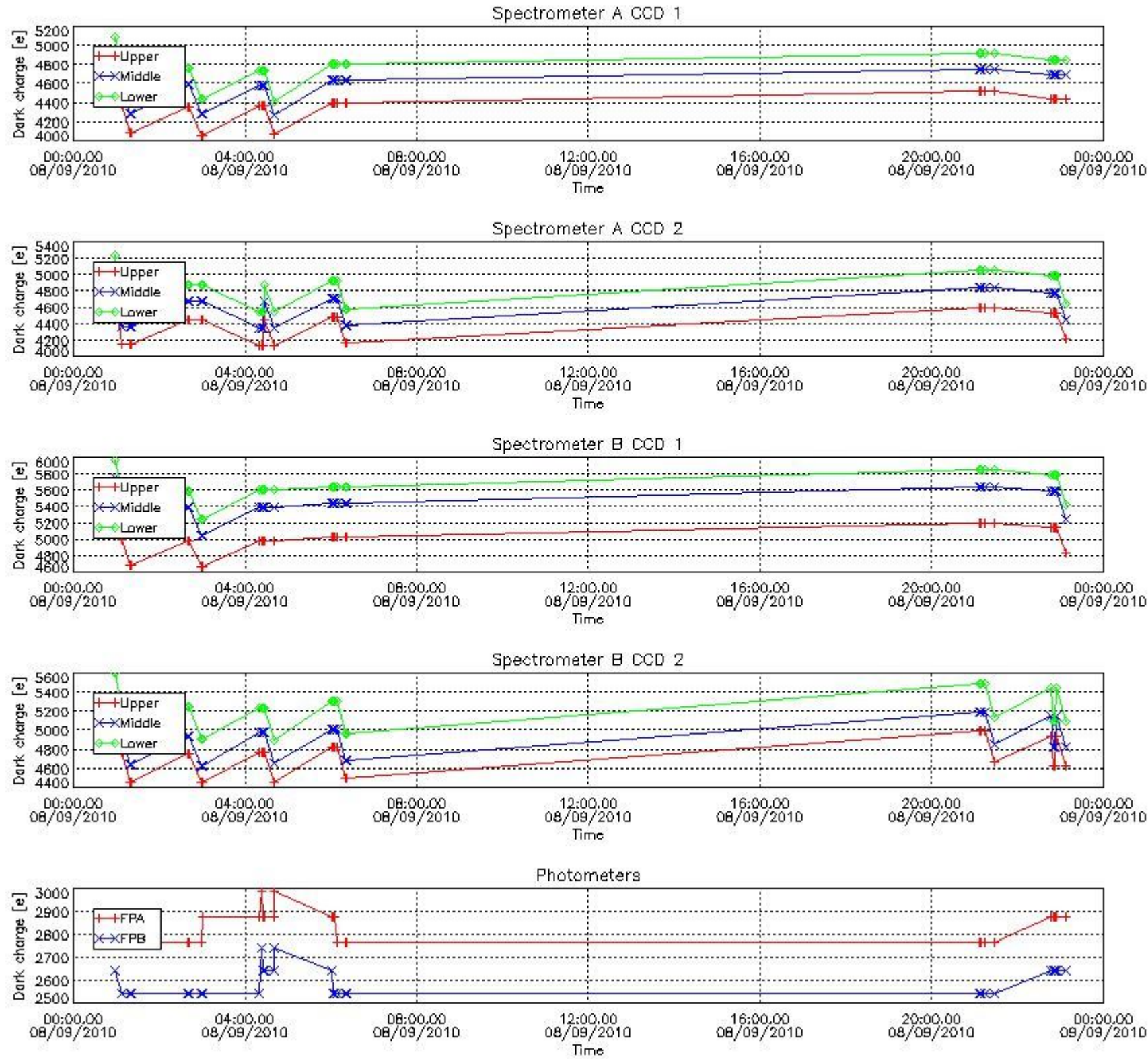
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100908_195239_000000502092_00429_44571_1940.N1	DC map used
GOM_TRA_1PNPDE20100908_195816_000000452092_00429_44571_1941.N1	DC map used
GOM_TRA_1PNPDE20100908_201224_000000442092_00429_44571_1942.N1	DC map used
GOM_TRA_1PNPDE20100908_201637_000000422092_00429_44571_1943.N1	DC map used
GOM_TRA_1PNPDE20100908_202658_000000442092_00429_44571_1944.N1	DC map used
GOM_TRA_1PNPDE20100908_202858_000000442092_00429_44571_1945.N1	DC map used
GOM_TRA_1PNPDE20100908_204530_000000512092_00429_44571_1946.N1	DC map used
GOM_TRA_1PNPDE20100908_205006_000000402092_00429_44571_1947.N1	DC map used
GOM_TRA_1PNPDE20100908_205259_000000562092_00429_44571_1948.N1	DC map used
GOM_TRA_1PNPDE20100908_205620_000000552092_00429_44571_1949.N1	DC map used

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



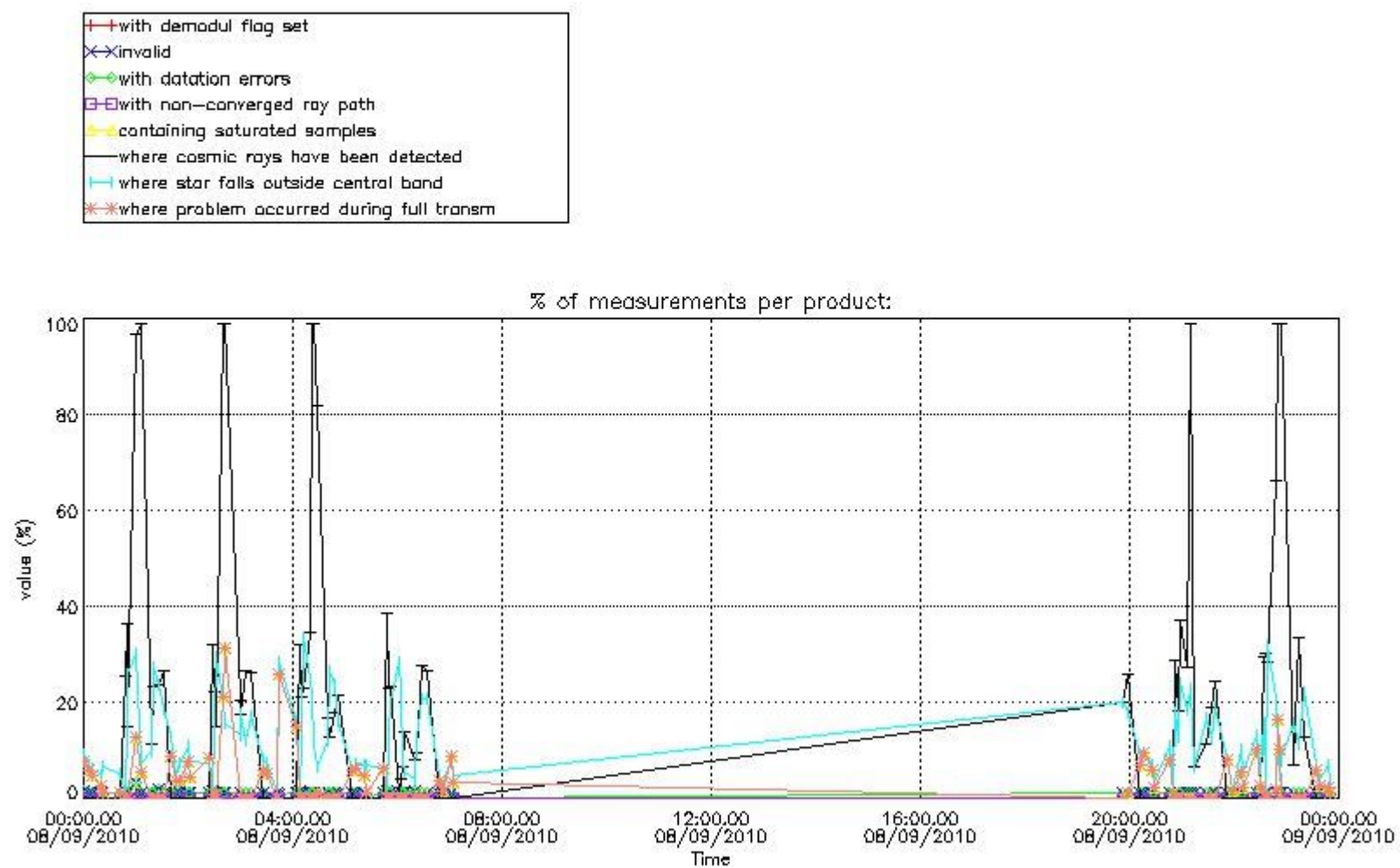
## 5. Demodulation flag and quality information monitoring

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.

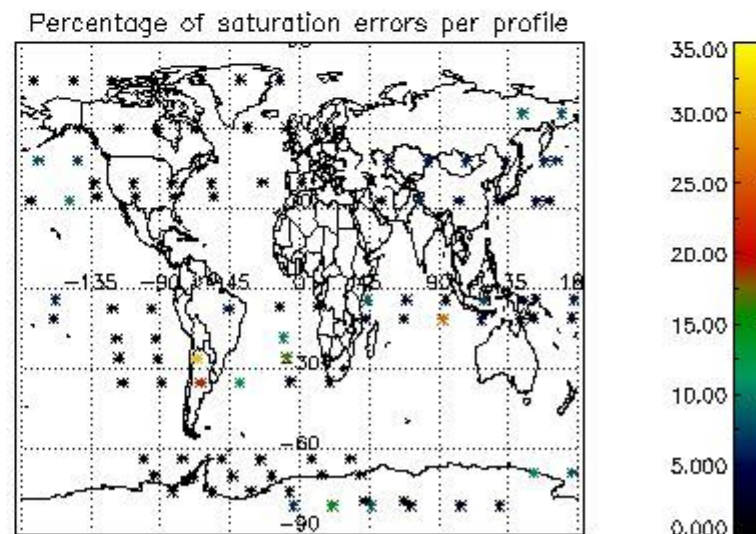
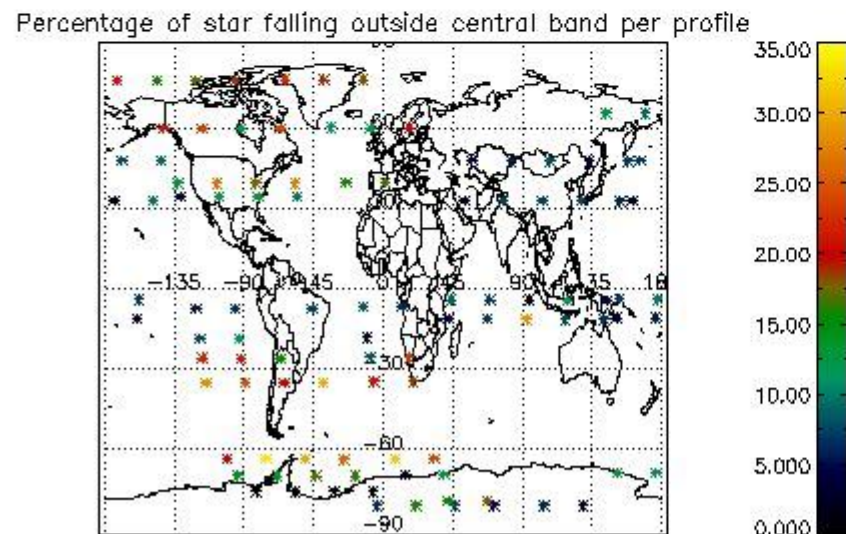
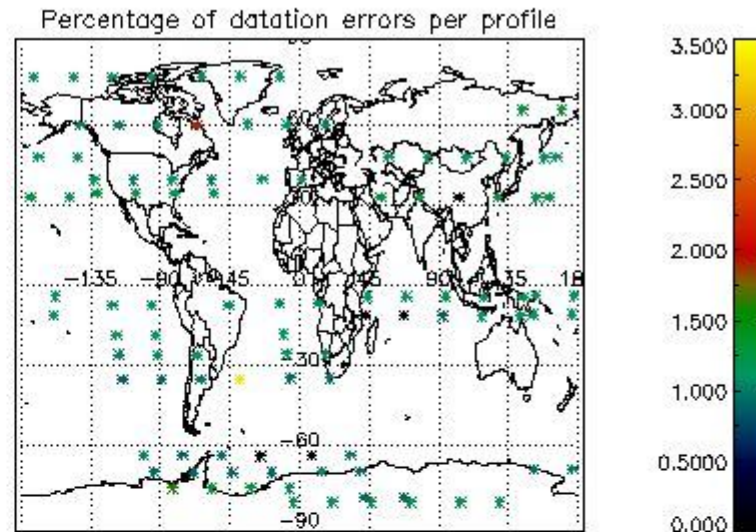
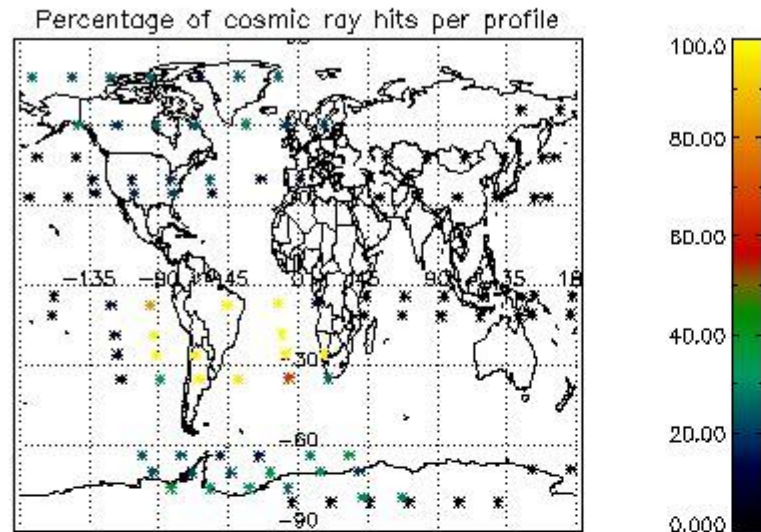
### 5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	46.6019 %
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)

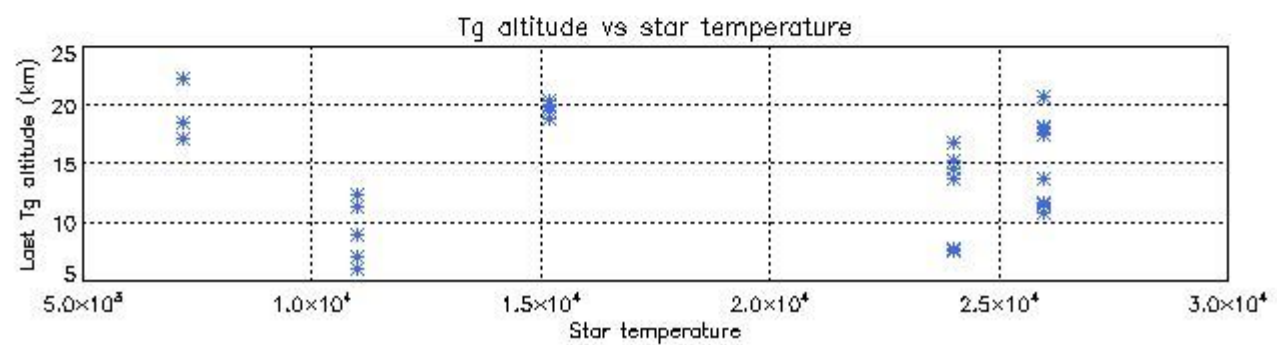
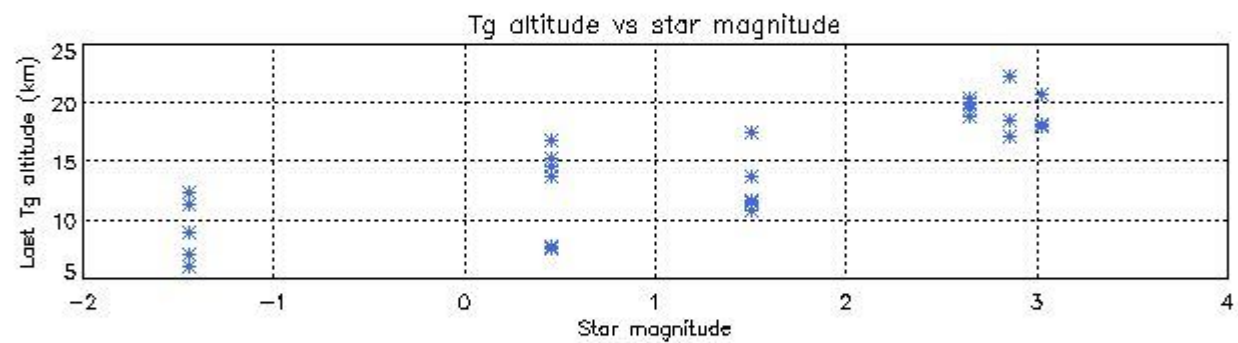
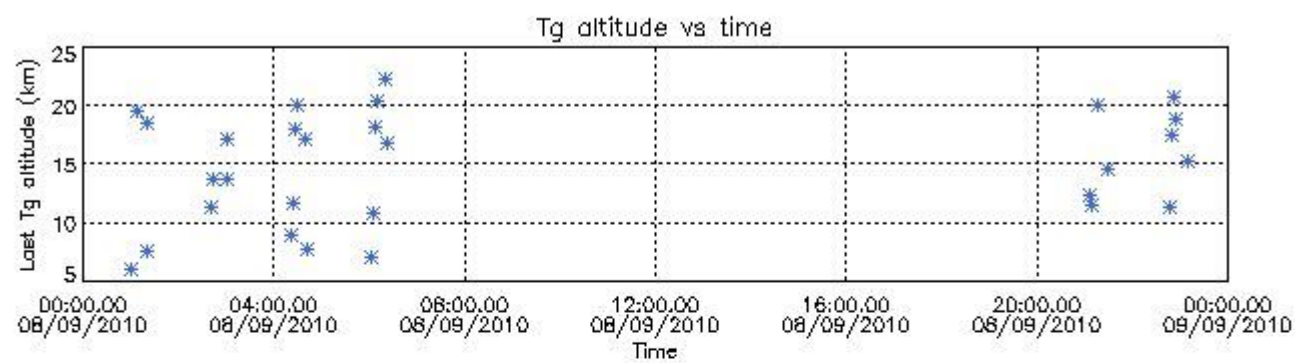
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.795	20.113	7.5818
St. deviation:	4.6864	3.1066	2.5314
Maximum:	22.249	28.141	11.156
Minimum:	6.0754	7.6049	4.5885
Number of data:	29.000	42.000	6.0000

### 6.2 Plot for DARK limb products

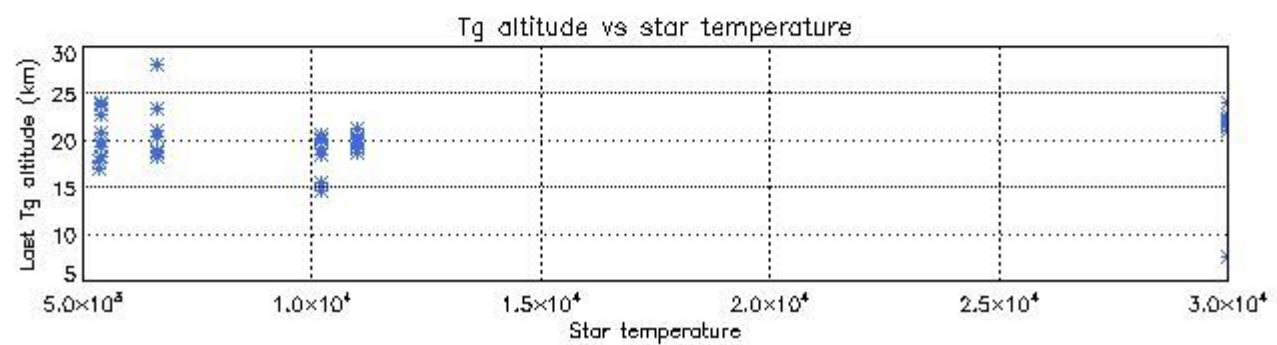
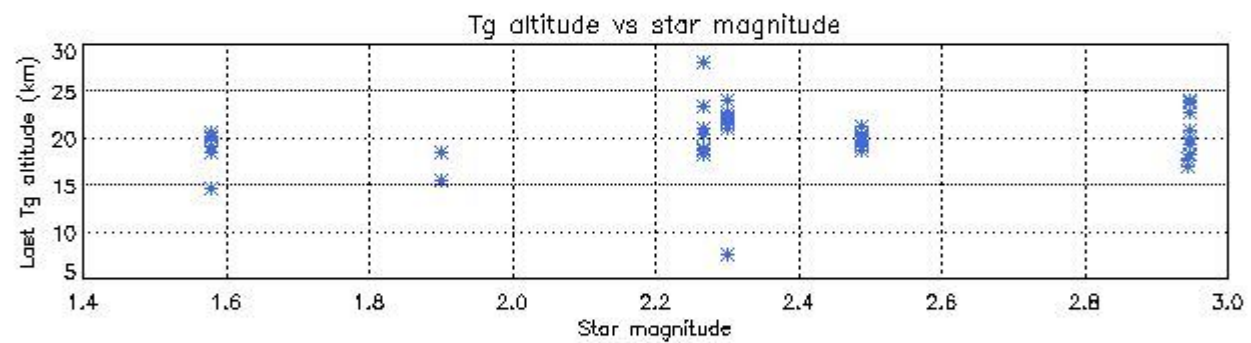
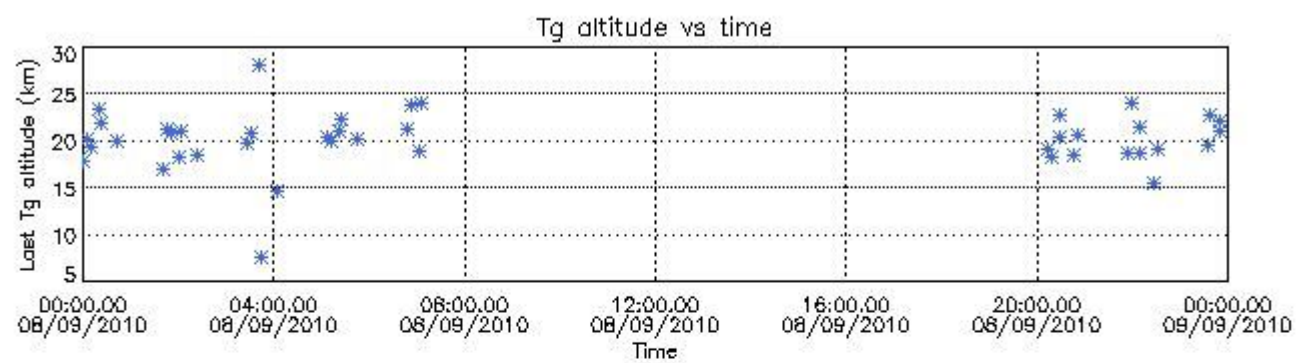


Tangent altitude at which the star is lost



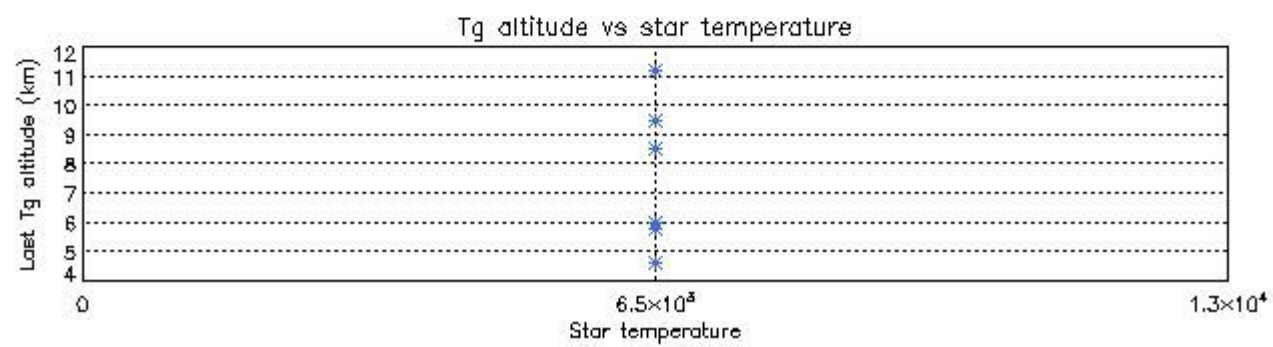
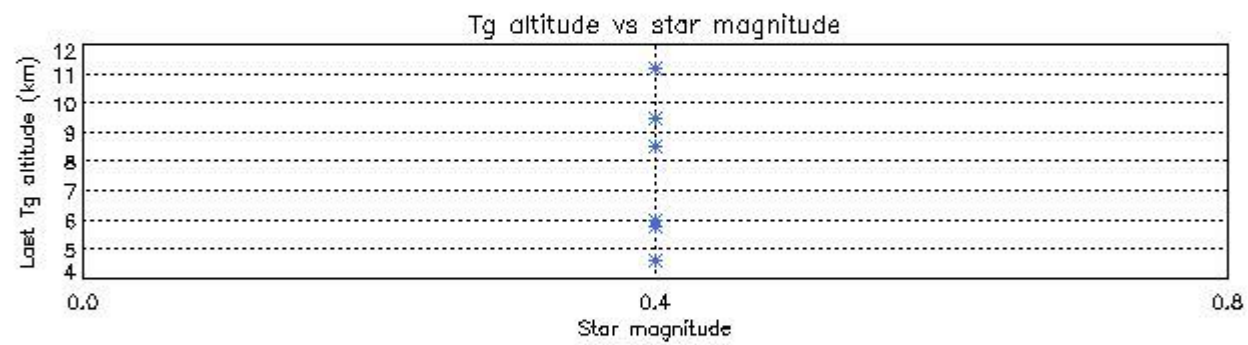
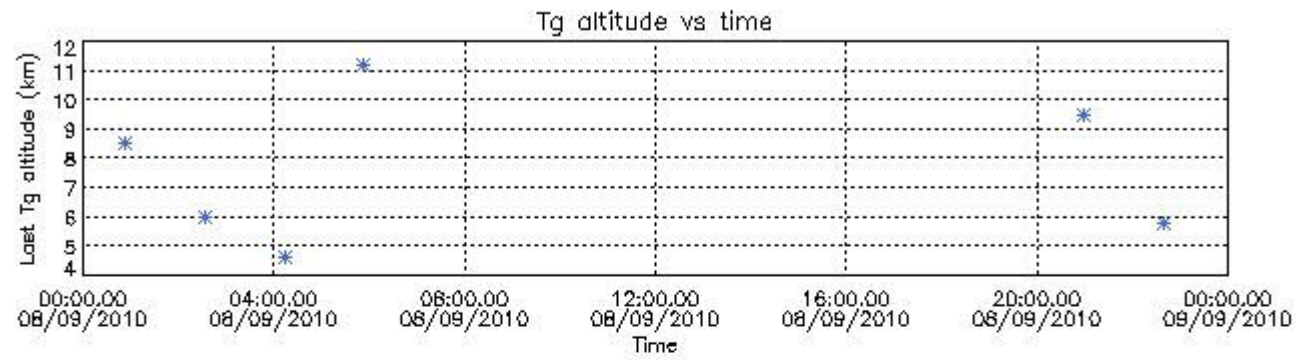
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

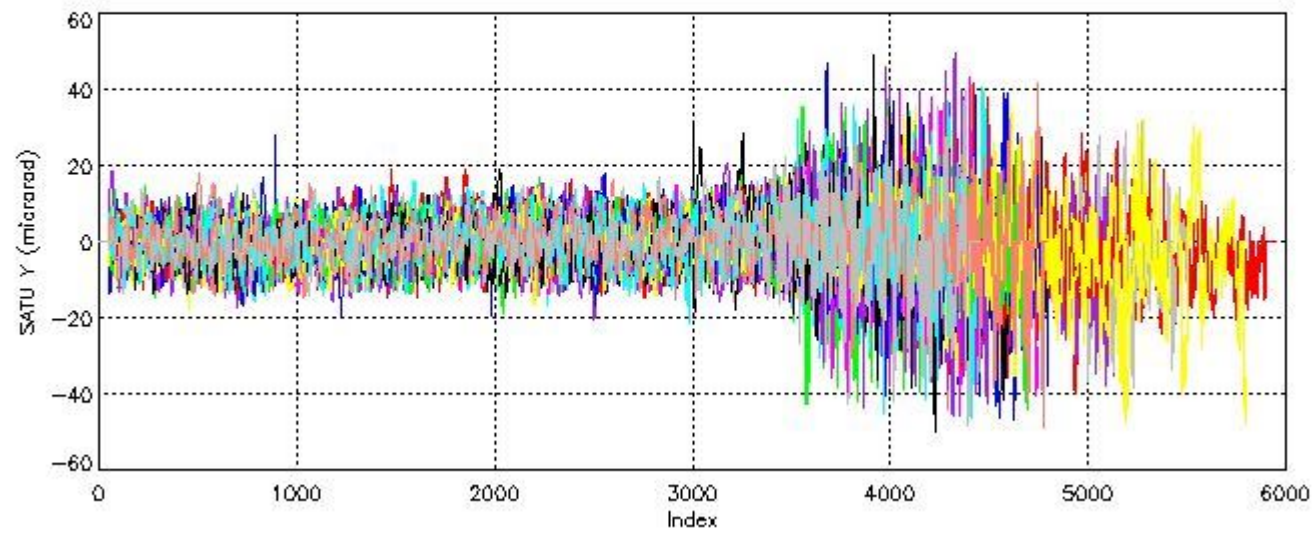
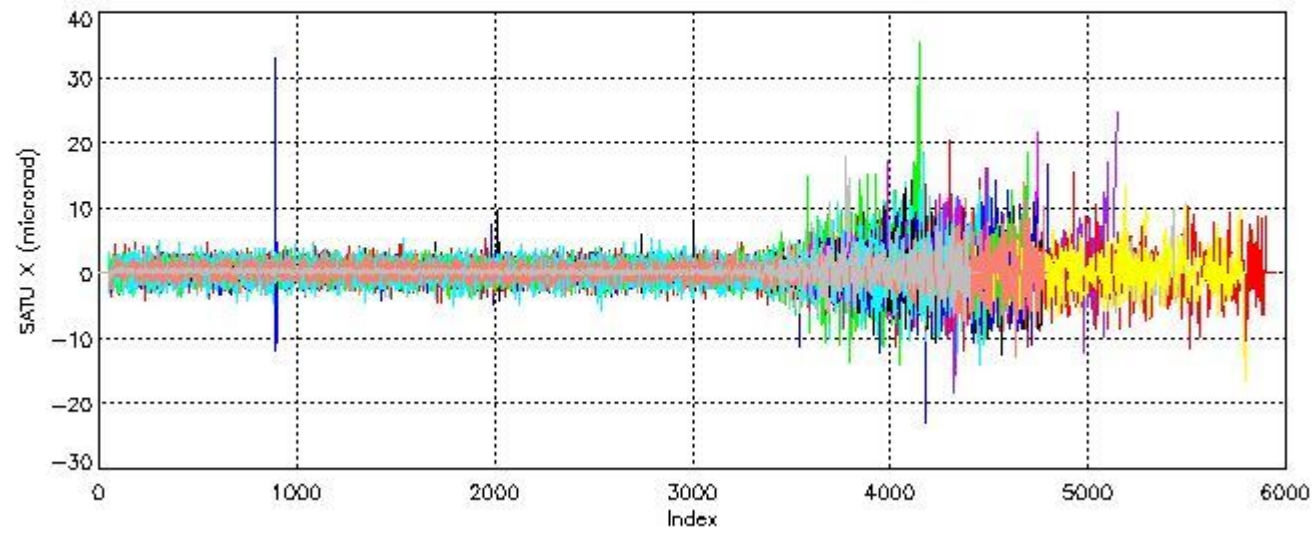


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.22444	-0.51380	0.21047	-0.48596
St. deviation:	0.65353	4.6324	0.85032	4.5822
Maximum:	32.900	27.800	5.2000	17.400
Minimum:	-11.900	-18.000	-3.8000	-18.700

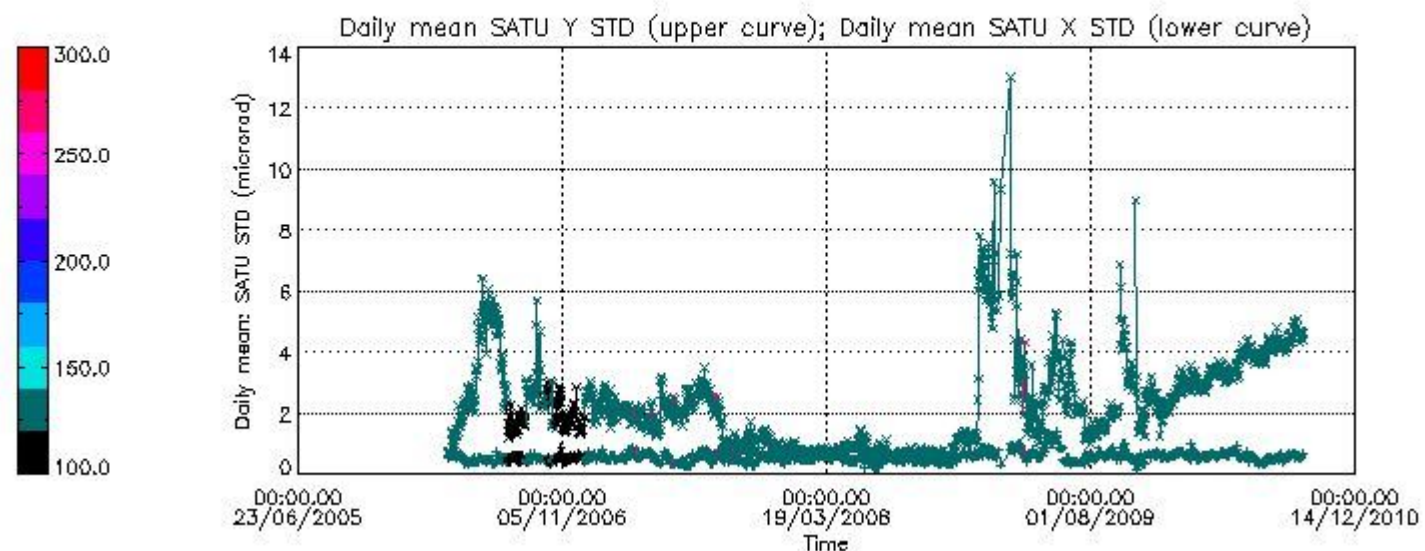
Number of data:	29600.	29600.	43500.	43500.
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### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

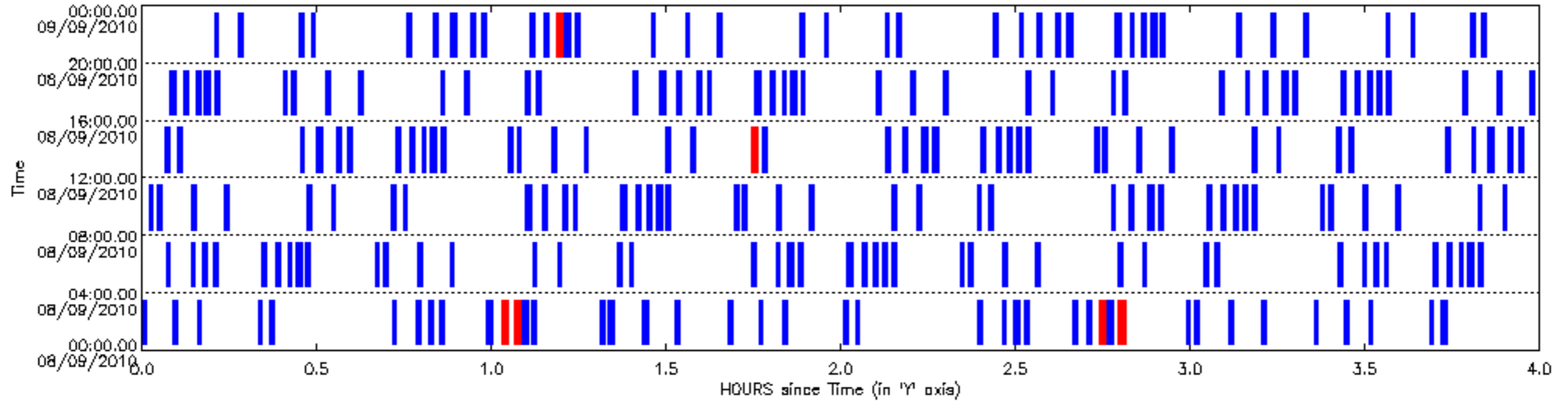
Upper curve: STD of SATU Y axis  
Lower curve: STD of SATU X axis

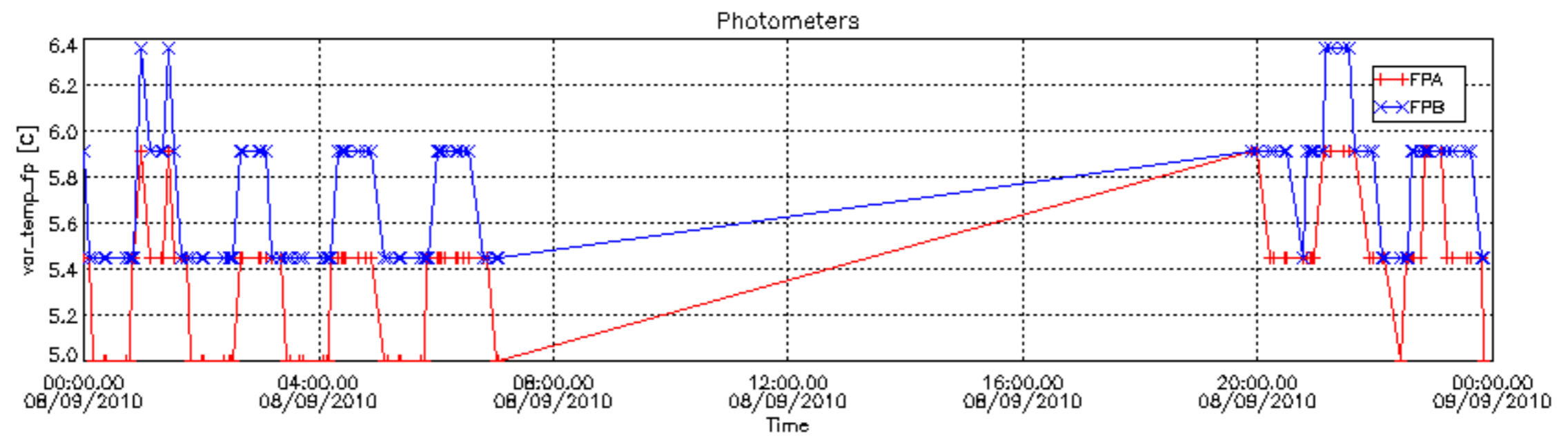
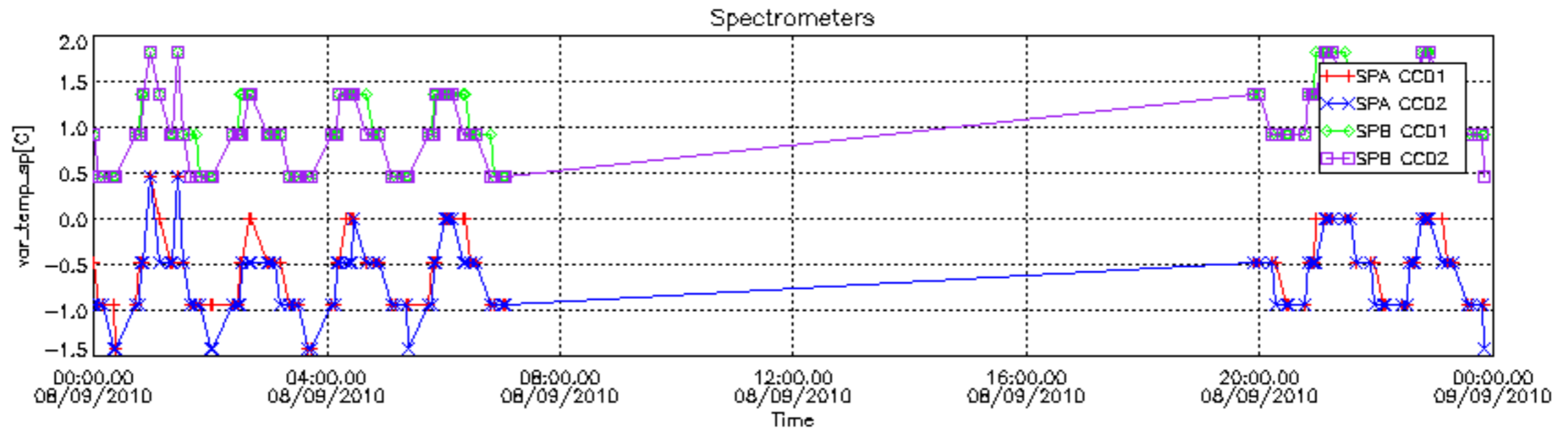


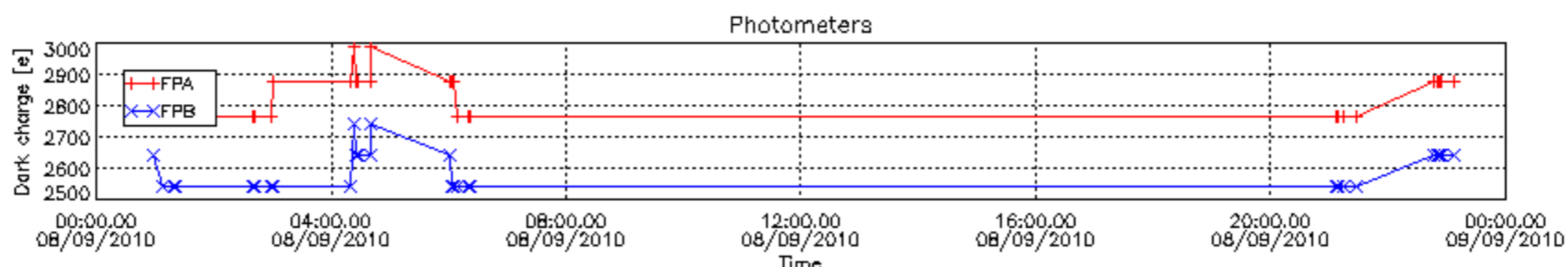
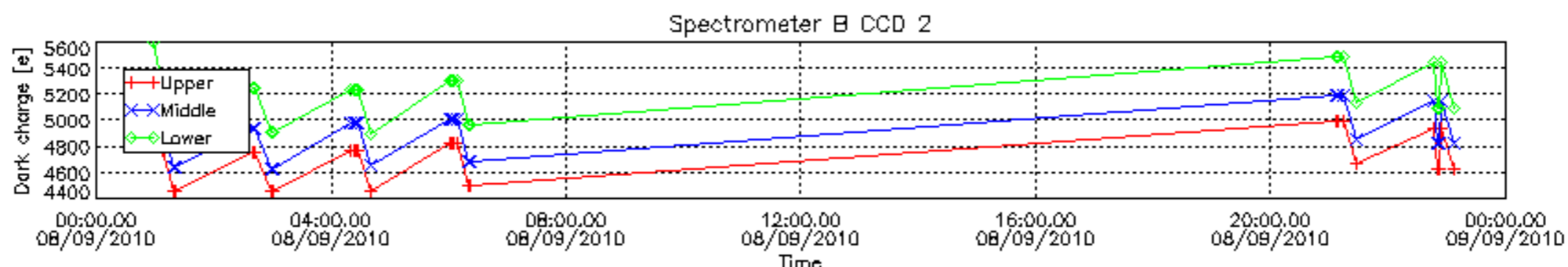
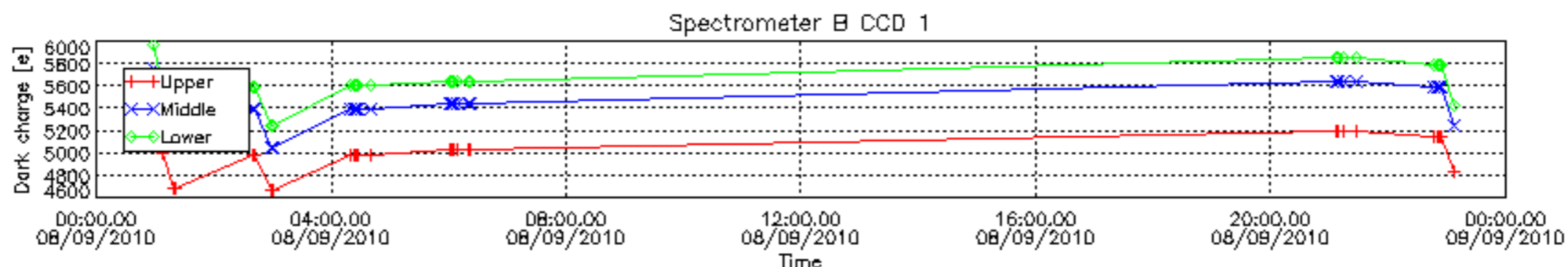
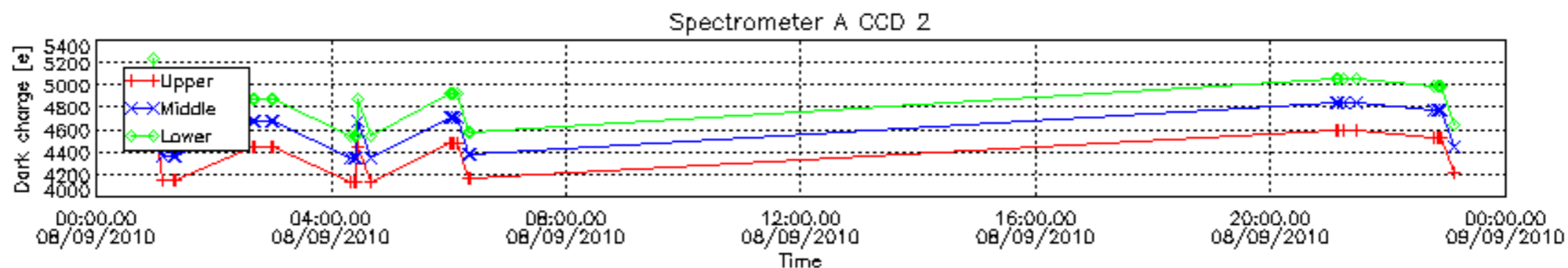
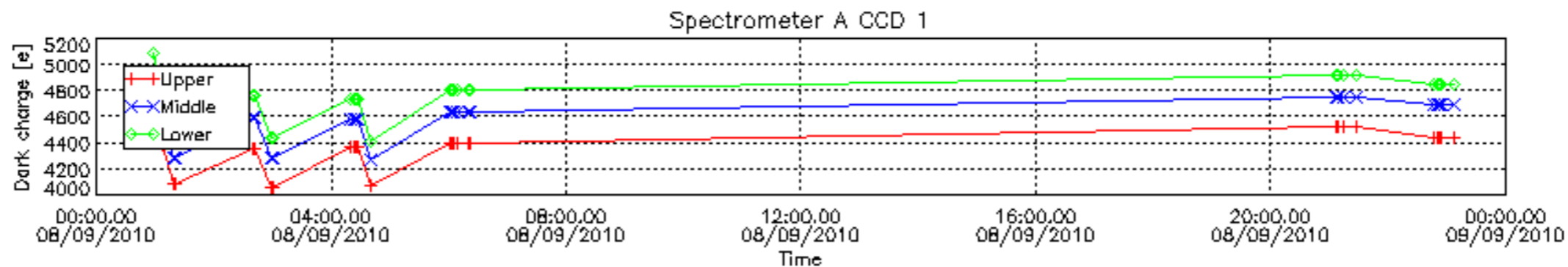
### 8. Auxiliary Data Files used for the production reported in section 2.4

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.

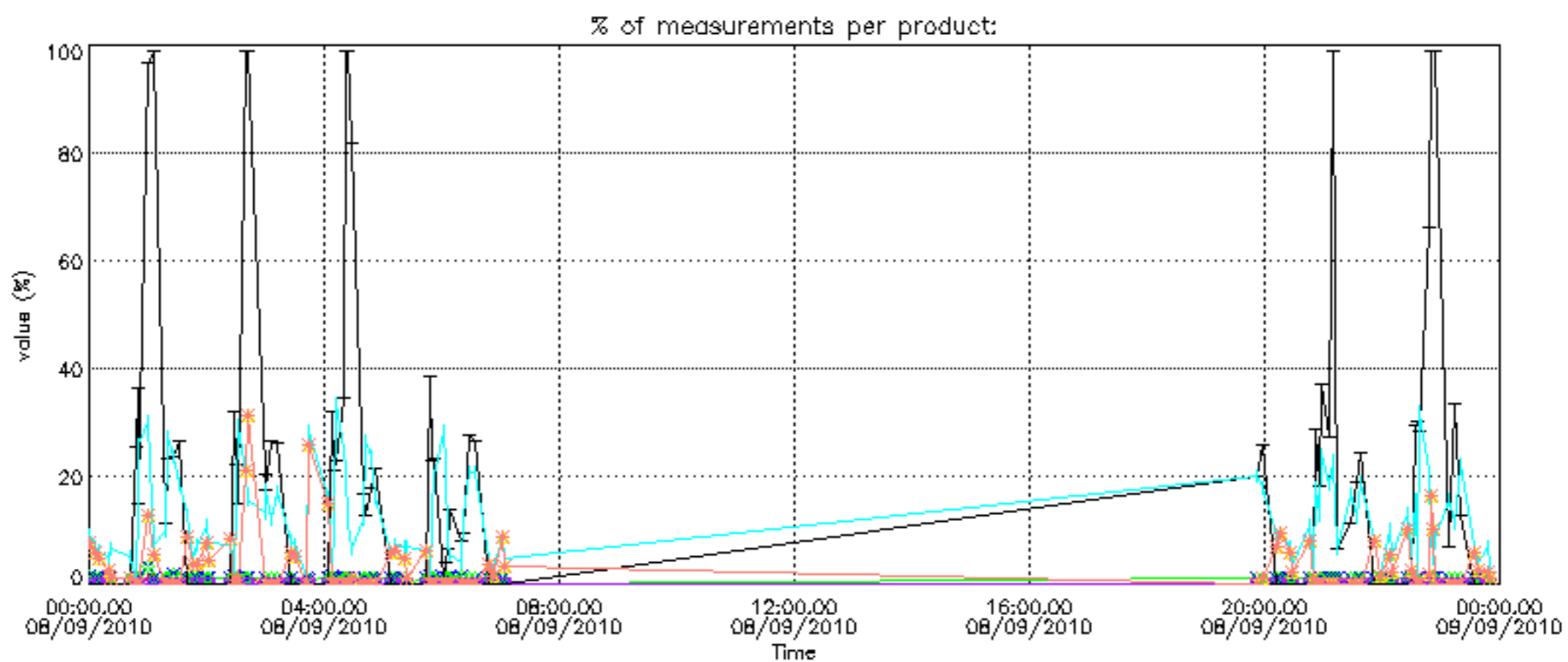
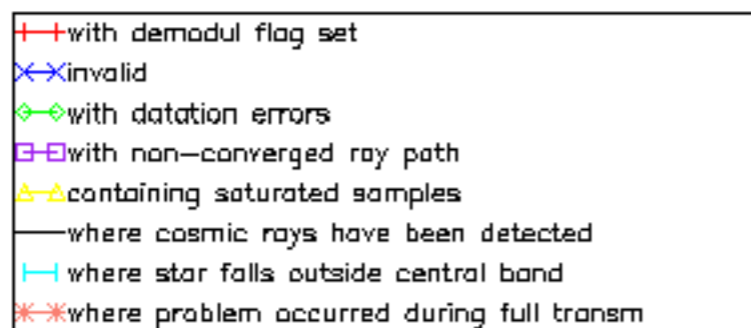
Type	Auxiliary Filename	Used since product	Used since product date
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CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100906_073314_20100904_000000_20500101_000000	1	08-SEP-2010 00:00:04
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	08-SEP-2010 00:00:04
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	08-SEP-2010 00:00:04
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	08-SEP-2010 00:00:04
ECMWF_FILE	AUX_ECF_AXNECM20100907_054114_20100907_210000_20100908_090000	1	08-SEP-2010 00:00:04
ECMWF_FILE	AUX_ECF_AXNECM20100907_172114_20100908_030000_20100908_150000	34	08-SEP-2010 03:41:05
ECMWF_FILE	AUX_ECA_AXNECM20100908_052113_20100907_210000_20100908_090000	52	08-SEP-2010 05:44:41
ECMWF_FILE	AUX_ECA_AXNECM20100908_164856_20100908_090000_20100908_210000	68	08-SEP-2010 19:52:39
ECMWF_FILE	AUX_ECF_AXNECM20100908_054113_20100908_150000_20100909_030000	78	08-SEP-2010 20:58:12
ECMWF_FILE	AUX_ECF_AXNECM20100908_054114_20100908_210000_20100909_090000	94	08-SEP-2010 22:47:07
OPTIONAL_ECMWF_FILE	MISSING	1	08-SEP-2010 00:00:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100907_231211_000060572092_00416_44558_1019.N1	1	08-SEP-2010 00:00:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100908_005308_000019132092_00417_44559_1103.N1	10	08-SEP-2010 00:59:09
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100908_005308_000092452092_00417_44559_1020.N1	14	08-SEP-2010 01:25:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100908_033231_000066952092_00419_44561_1021.N1	34	08-SEP-2010 03:41:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100908_052925_000057382092_00420_44562_1022.N1	52	08-SEP-2010 05:44:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100908_194450_000038252092_00429_44571_1023.N1	68	08-SEP-2010 19:52:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100908_205354_000060572092_00429_44571_1024.N1	78	08-SEP-2010 20:58:12
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100908_224010_000057382092_00430_44572_1025.N1	94	08-SEP-2010 22:47:07



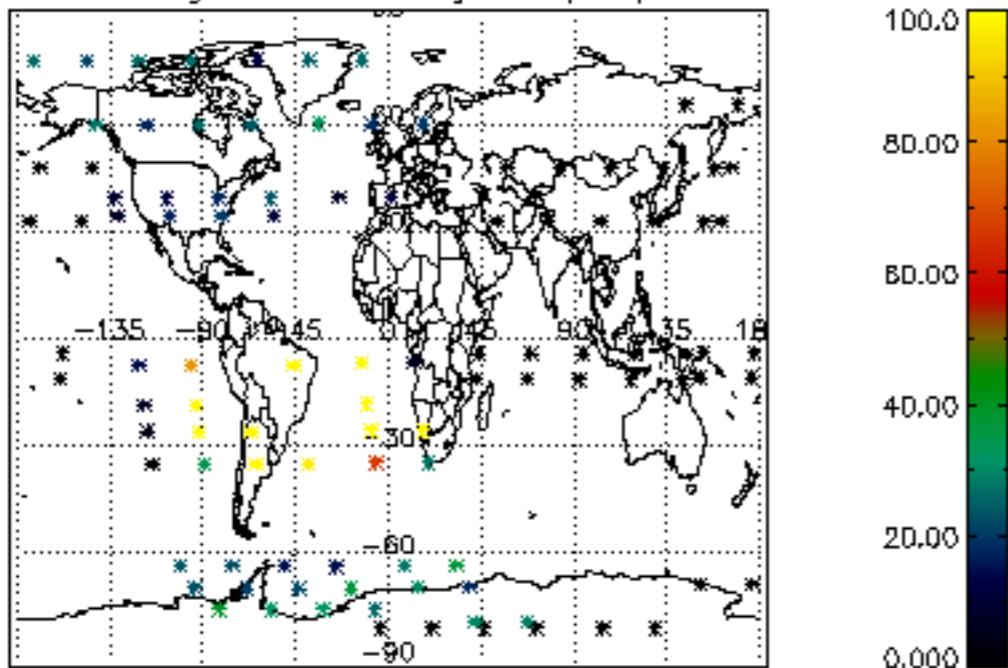




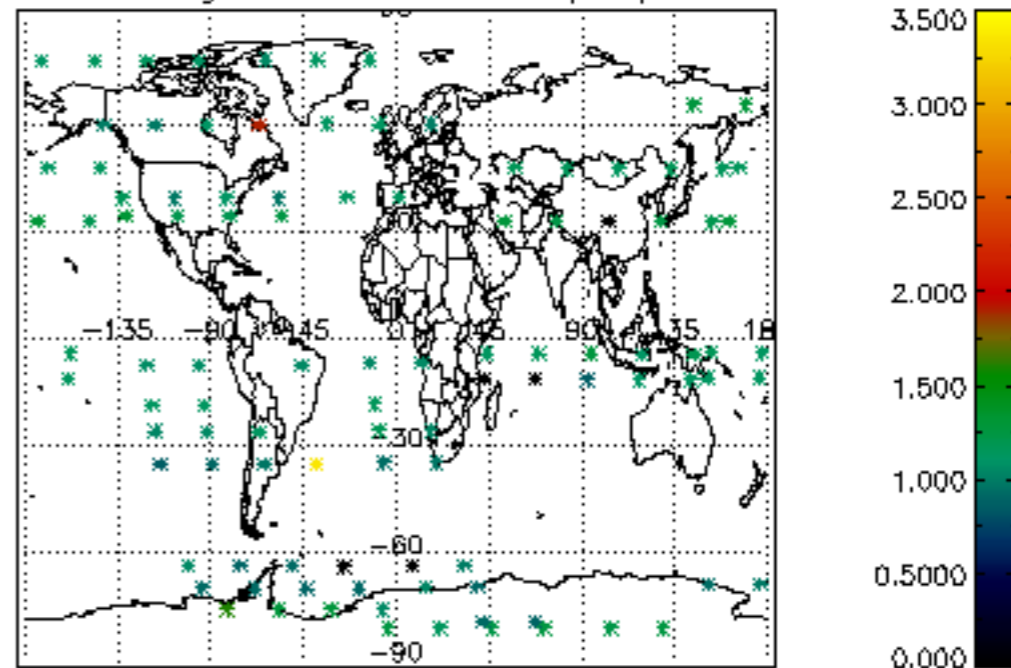




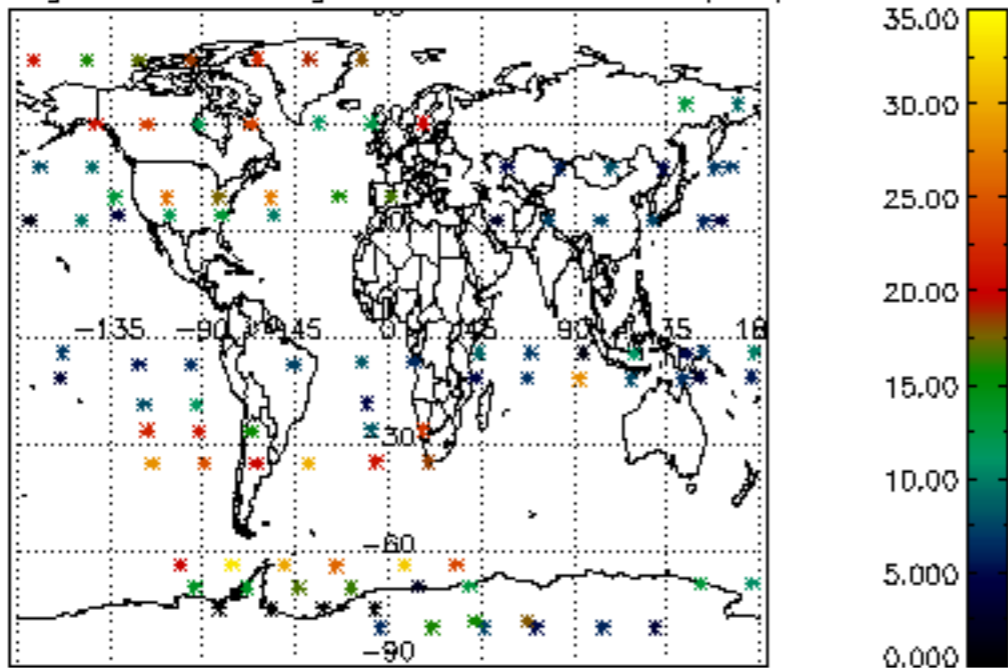
Percentage of cosmic ray hits per profile



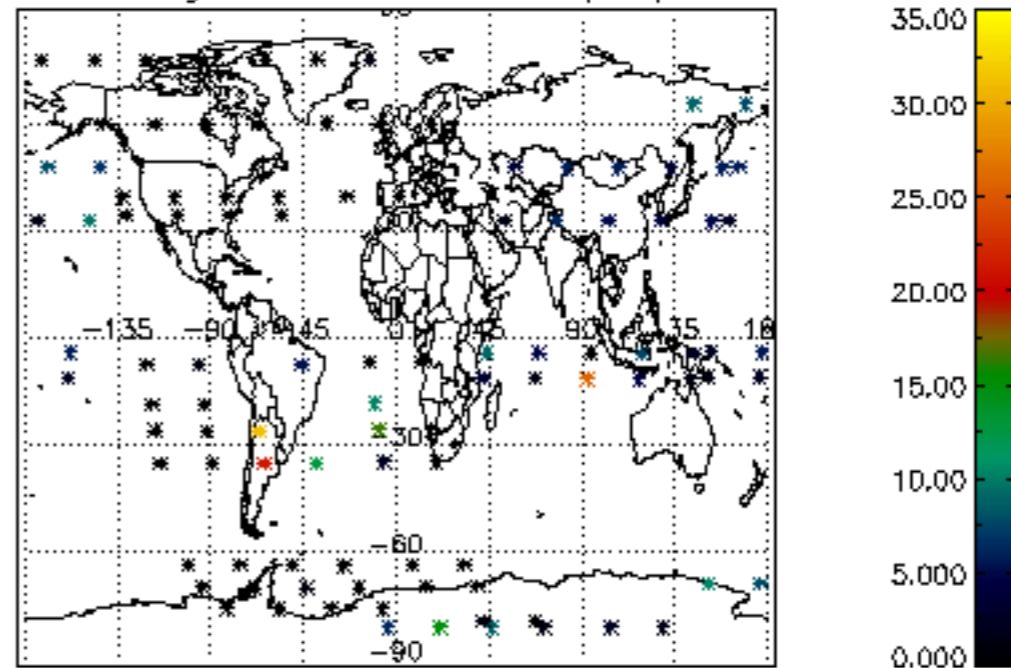
Percentage of datation errors per profile



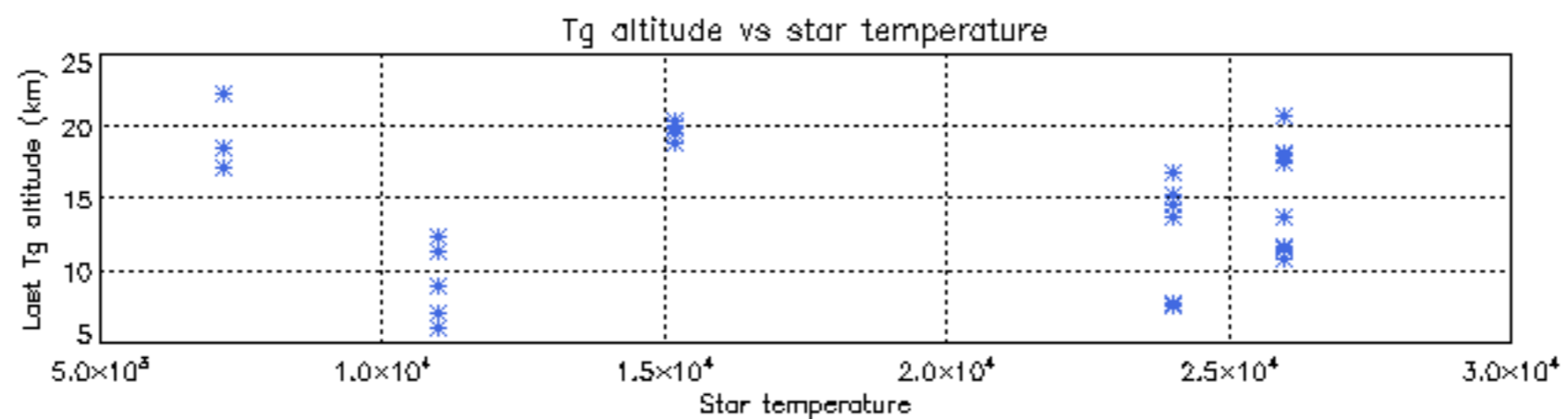
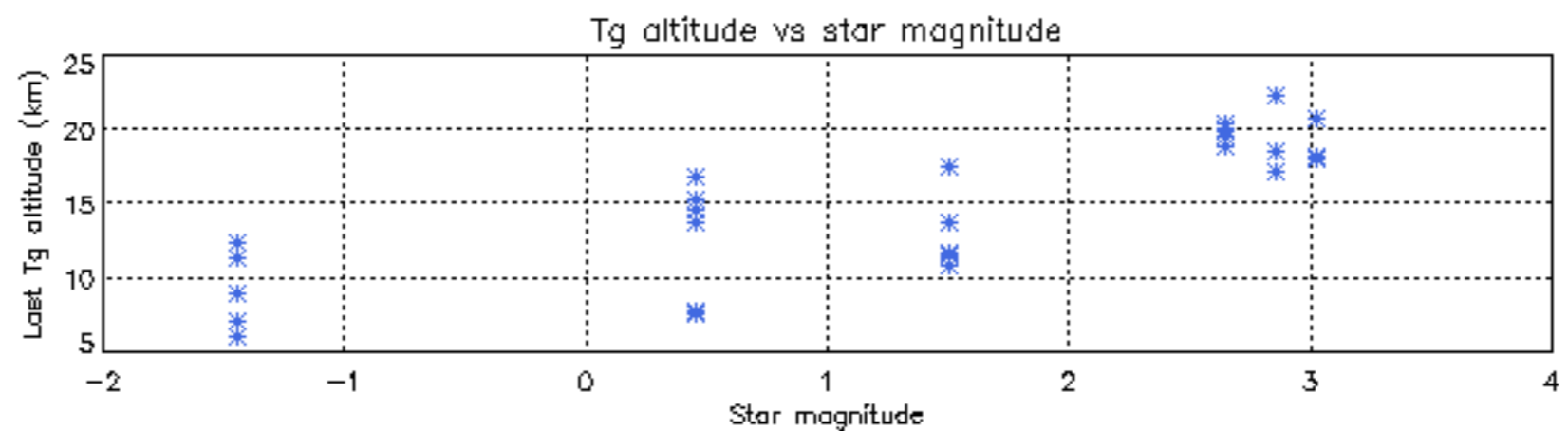
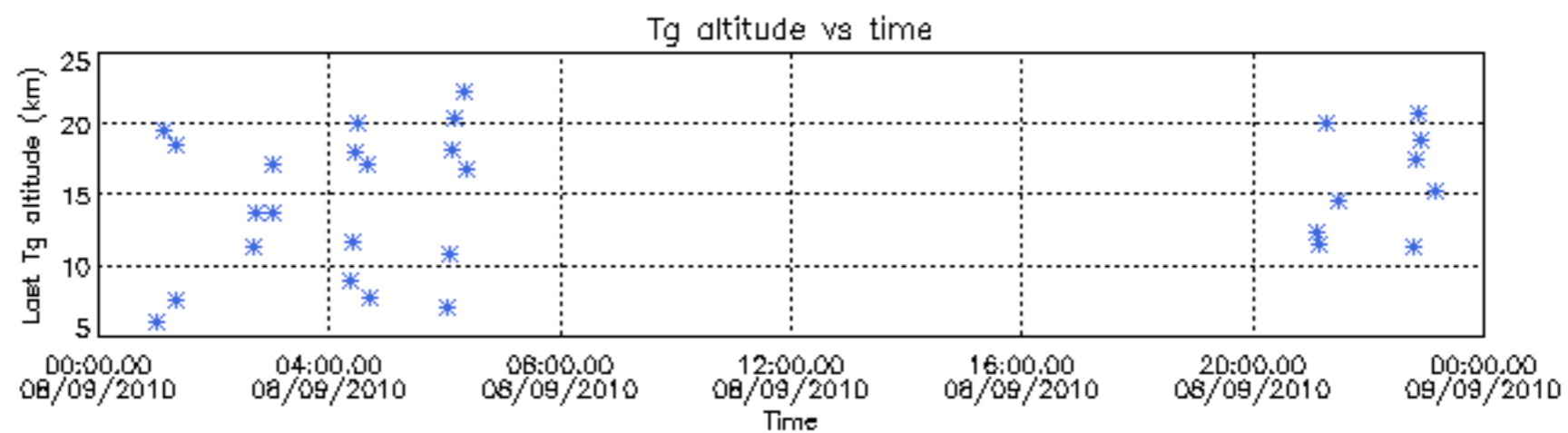
Percentage of star falling outside central band per profile



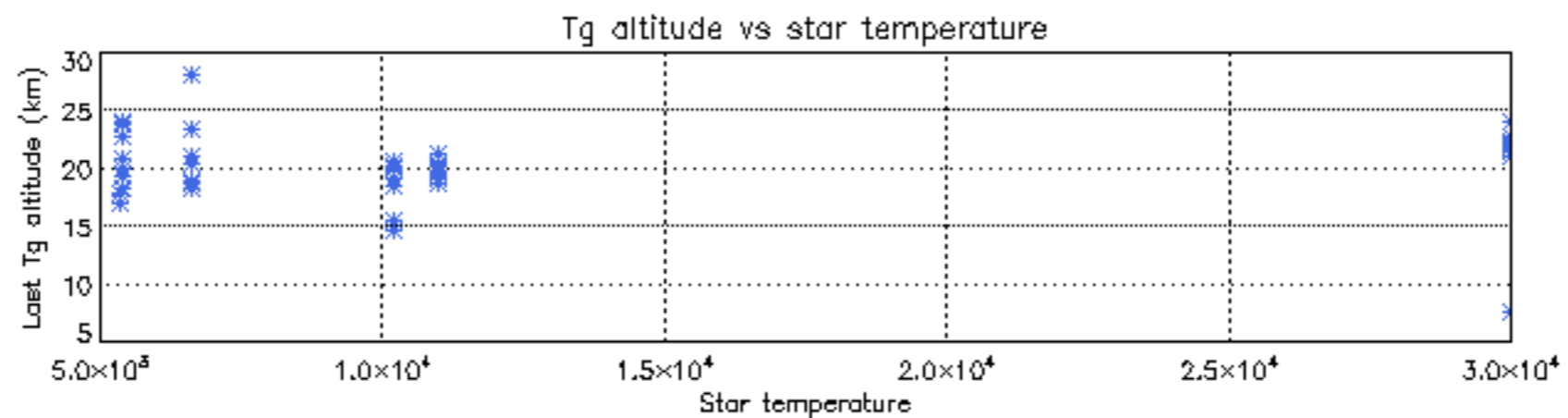
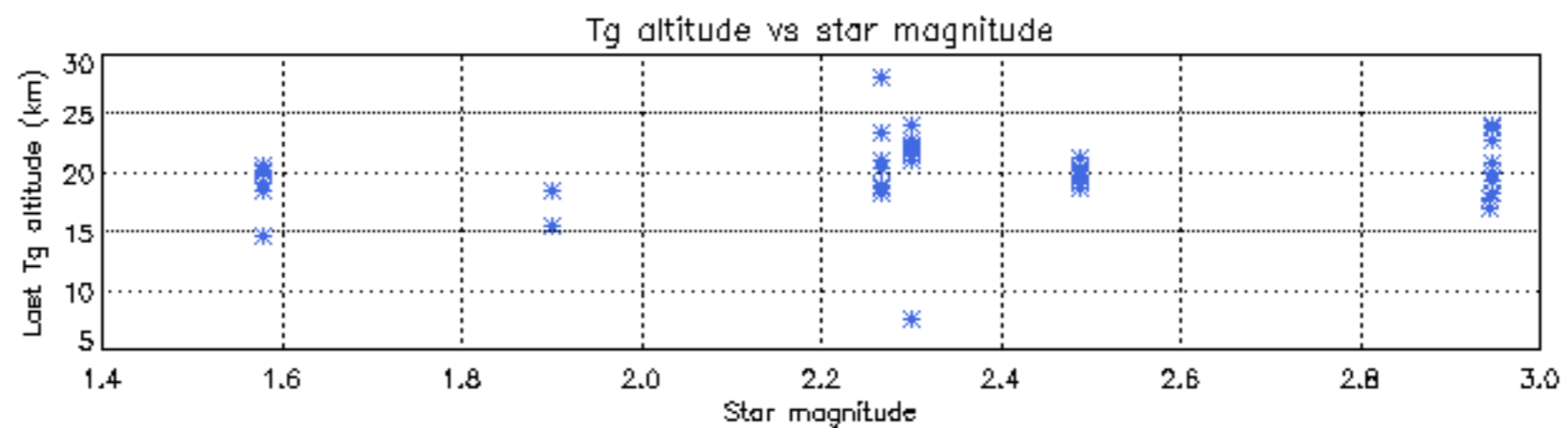
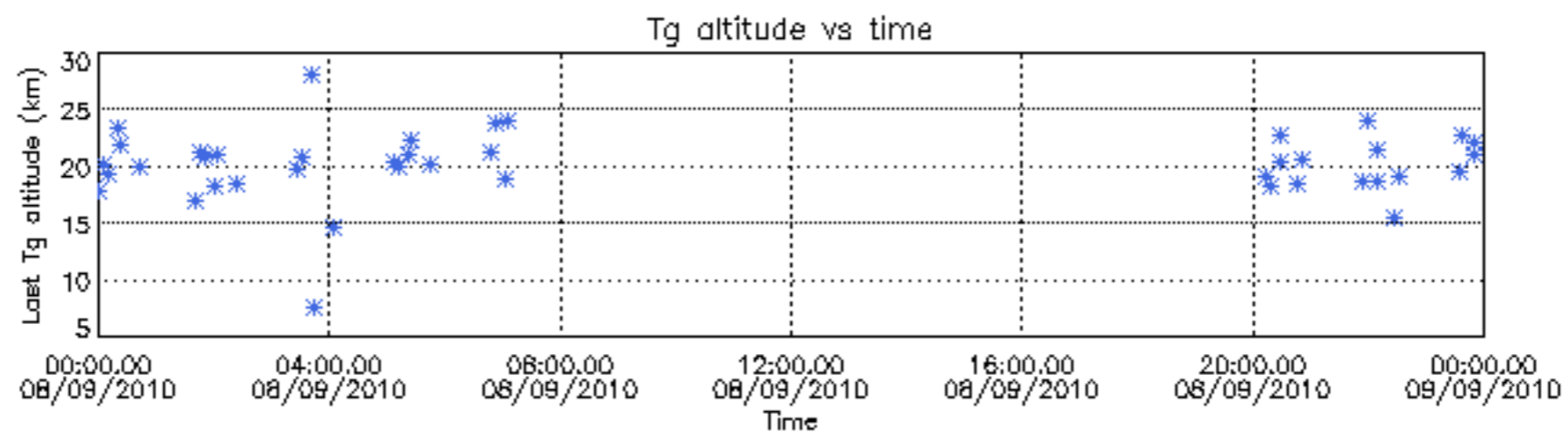
Percentage of saturation errors per profile



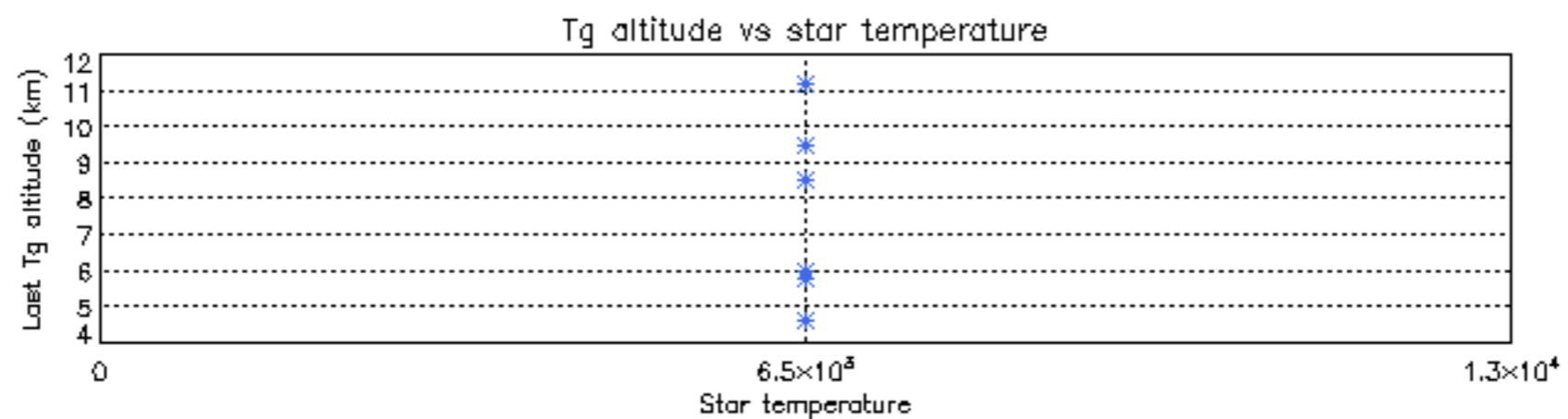
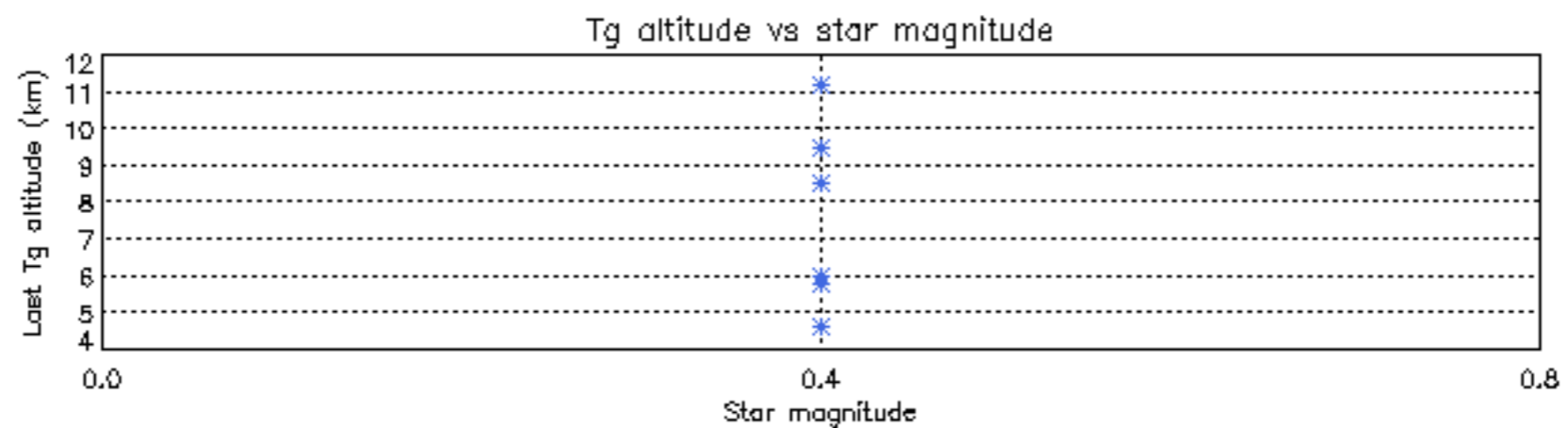
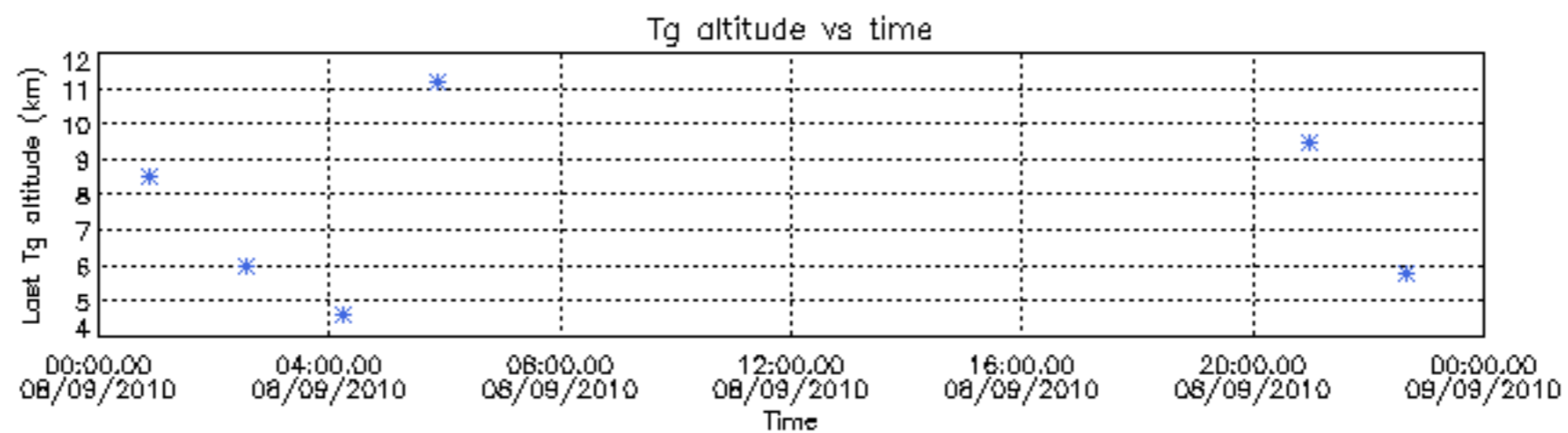
Tangent altitude at which the star is lost

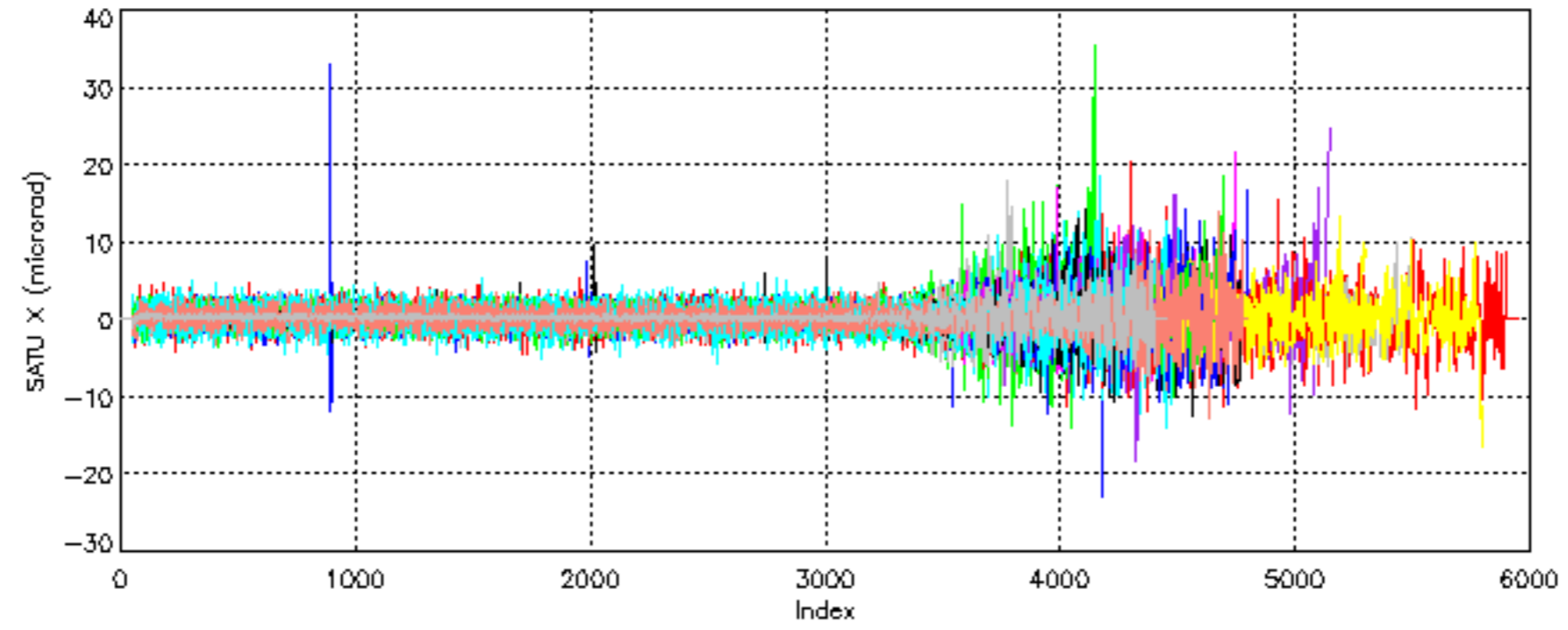


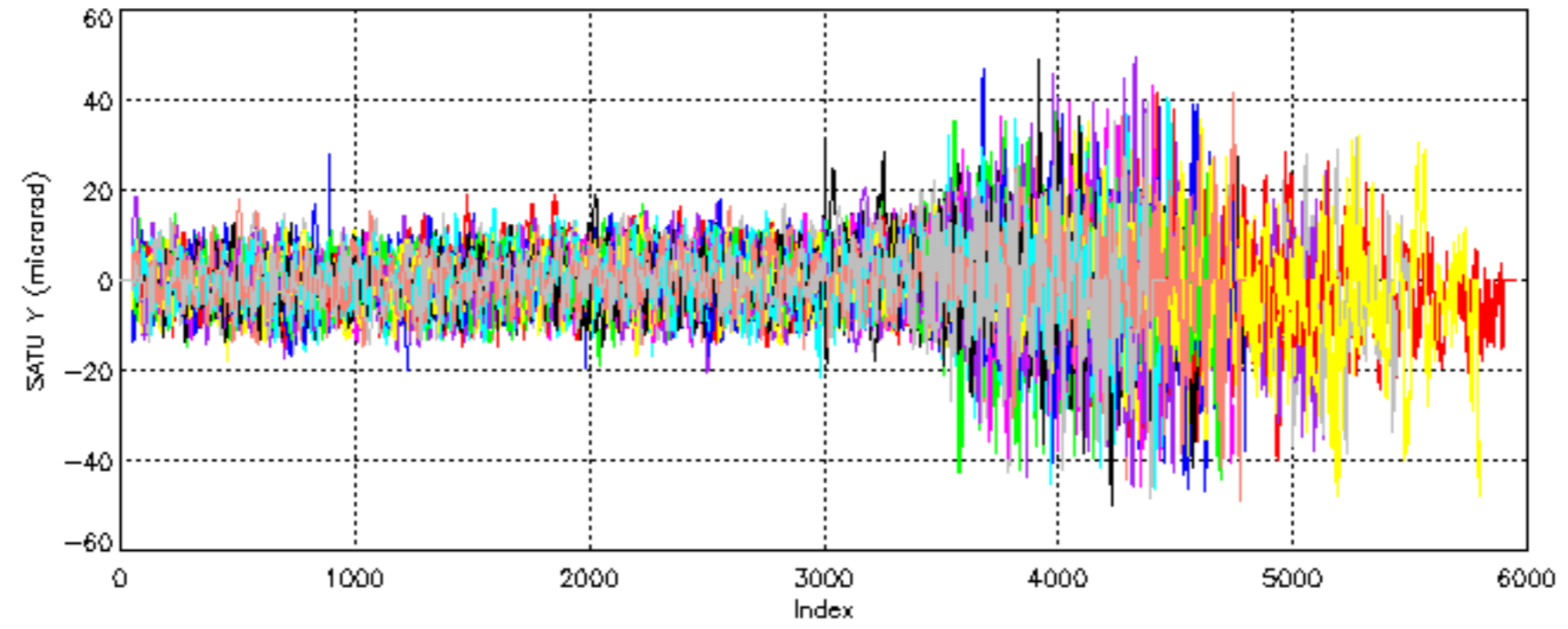
Tangent altitude at which the star is lost

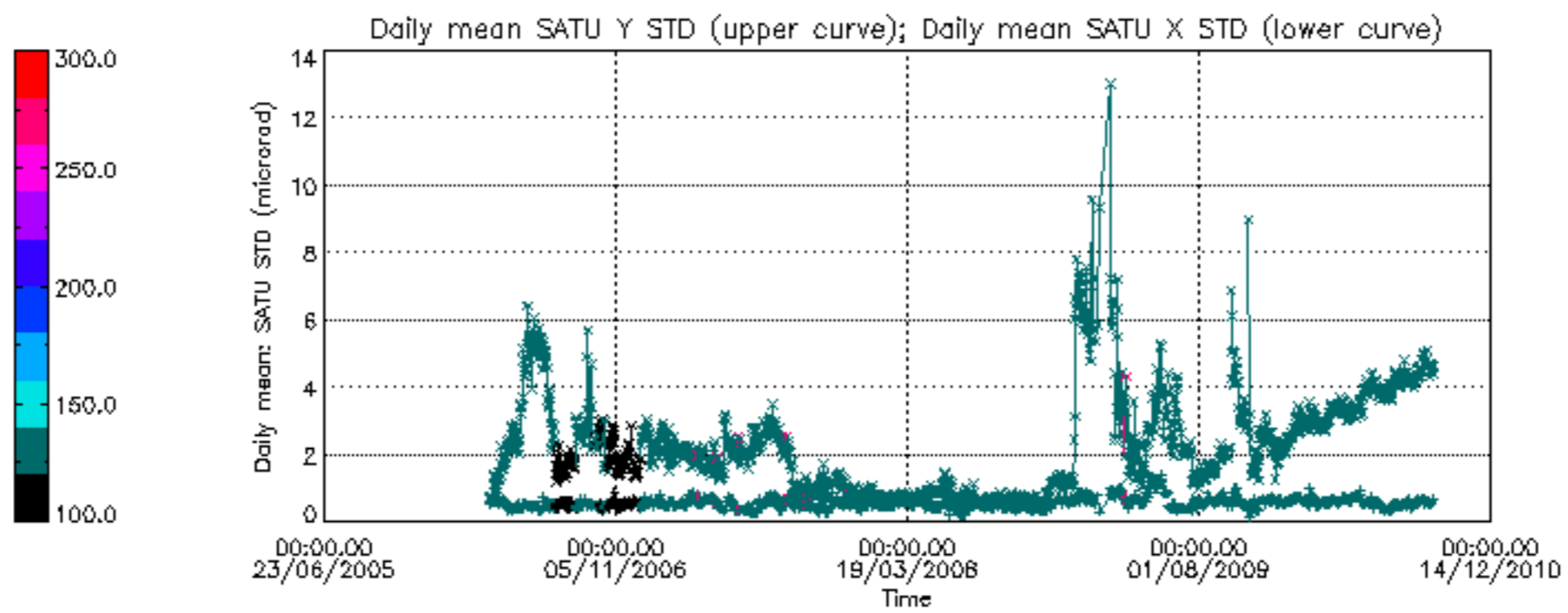


Tangent altitude at which the star is lost











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 3; -356.2; 01-SEP-2010 01:23:15; Dark ; 58.5; 139; 9Bet Lep ; 2.83; 5600;occ; 117; 0;44459
 4; -241.6; 01-SEP-2010 01:25:10; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;44459
 5; 525.7; 01-SEP-2010 01:37:57; Dark ; 41.0; 143; Alp Hyi ; 2.86; 7200;occ; 82; 0;44460
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 3; 3272.4; 01-SEP-2010 04:04:19; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;44461
 4; 4208.4; 01-SEP-2010 04:19:56; Bright; 48.0; 42; 34Bet Aur ; 1.90; 10200;occ; 96; 0;44461

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4; 4466.6; 08-SEP-2010 14:07:42; Bright; 40.0; 24; 66Alp Gem ; 1.58; 10200;occ; 80; 0;44567
5; 4639.1; 08-SEP-2010 14:10:34; Dark ; 56.0; 170; 27Eps Gem ; 3.00; 9700;occ; 112; 0;44567
6; 4839.3; 08-SEP-2010 14:13:54; Dark ; 57.5; 44; 24Gam Gem ; 1.93; 11000;occ; 115; 0;44567
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9; 5600.7; 08-SEP-2010 14:26:36; Dark ; 48.5; 23; 21Eps CMA ; 1.50; 26000;occ; 97; 0;44567
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13; 6620.1; 08-SEP-2010 14:43:35; Dark ; 41.5; 143; Alp Hyi ; 2.86; 7200;occ; 83; 0;44568
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3; 2459.5; 08-SEP-2010 15:14:50; Bright; 40.0; 164; 44Eta Peg ; 2.95; 5400;occ; 80; 0;44568
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5; 3200.5; 08-SEP-2010 15:27:11; Bright; 44.0; 76; 27Gam Cas ; 2.30; 30000;occ; 88; 0;44568
6; 4191.7; 08-SEP-2010 15:43:43; Bright; 52.0; 42; 34Bet Aur ; 1.90; 10200;occ; 104; 0;44568

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8; 4639.5; 08-SEP-2010 15:51:10; Dark ; 53.5; 170; 27Eps Gem ; 3.00; 9700;occ; 107; 0;44568  
9; 4840.0; 08-SEP-2010 15:54:31; Dark ; 52.5; 44; 24Gam Gem ; 1.93; 11000;occ; 105; 0;44568  
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12; 5601.5; 08-SEP-2010 16:07:12; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;44568  
13; 5723.9; 08-SEP-2010 16:09:15; Dark ; 45.0; 177; 1Zet CMA ; 3.02; 26000;occ; 90; 0;44568  
14; 5812.5; 08-SEP-2010 16:10:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44568  
15; 5916.1; 08-SEP-2010 16:12:27; Dark ; 47.5; 108; Alp Col ; 2.65; 15200;occ; 95; 0;44568  
16; 6622.1; 08-SEP-2010 16:24:13; Dark ; 36.5; 143; Alp Hyi ; 2.86; 7200;occ; 73; 0;44569  
17; 6702.4; 08-SEP-2010 16:25:33; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;44569  
18; 7055.1; 08-SEP-2010 16:31:26; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;44569

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3; 2459.2; 08-SEP-2010 16:55:26; Bright; 43.0; 164; 44Eta Peg ; 2.95; 5400;occ; 86; 0;44569  
4; 3080.6; 08-SEP-2010 17:05:48; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;44569  
5; 3199.9; 08-SEP-2010 17:07:47; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;44569  
6; 4191.5; 08-SEP-2010 17:24:18; Bright; 53.0; 42; 34Bet Aur ; 1.90; 10200;occ; 106; 0;44569  
7; 4467.0; 08-SEP-2010 17:28:54; Bright; 58.0; 24; 66Alp Gem ; 1.58; 10200;occ; 116; 0;44569  
8; 4639.8; 08-SEP-2010 17:31:47; Dark ; 53.0; 170; 27Eps Gem ; 3.00; 9700;occ; 106; 0;44569  
9; 4840.5; 08-SEP-2010 17:35:07; Dark ; 56.5; 44; 24Gam Gem ; 1.93; 11000;occ; 113; 0;44569  
10; 4952.9; 08-SEP-2010 17:37:00; Dark ; 47.5; 8; 10Alp CMi ; 0.40; 6500;occ; 95; 0;44569  
11; 5449.8; 08-SEP-2010 17:45:17; Dark ; 53.0; 1; 9Alp CMA ; -1.44; 11000;occ; 106; 0;44569  
12; 5602.2; 08-SEP-2010 17:47:49; Dark ; 45.0; 23; 21Eps CMA ; 1.50; 26000;occ; 90; 0;44569  
13; 5724.8; 08-SEP-2010 17:49:52; Dark ; 45.0; 177; 1Zet CMA ; 3.02; 26000;occ; 90; 0;44569  
14; 5813.3; 08-SEP-2010 17:51:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44569  
15; 5917.1; 08-SEP-2010 17:53:04; Dark ; 48.0; 108; Alp Col ; 2.65; 15200;occ; 96; 0;44569  
16; 6702.8; 08-SEP-2010 18:06:10; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;44570  
17; 7055.5; 08-SEP-2010 18:12:02; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;44570

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3; 2458.6; 08-SEP-2010 18:36:02; Bright; 40.5; 164; 44Eta Peg ; 2.95; 5400;occ; 81; 0;44570  
4; 3080.1; 08-SEP-2010 18:46:23; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;44570  
5; 3199.1; 08-SEP-2010 18:48:22; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;44570  
6; 4191.3; 08-SEP-2010 19:04:54; Bright; 51.0; 42; 34Bet Aur ; 1.90; 10200;occ; 102; 0;44570  
7; 4467.1; 08-SEP-2010 19:09:30; Bright; 40.5; 24; 66Alp Gem ; 1.58; 10200;occ; 81; 0;44570  
8; 4640.0; 08-SEP-2010 19:12:23; Dark ; 52.5; 170; 27Eps Gem ; 3.00; 9700;occ; 105; 0;44570  
9; 4840.9; 08-SEP-2010 19:15:44; Dark ; 57.0; 44; 24Gam Gem ; 1.93; 11000;occ; 114; 0;44570  
10; 4953.2; 08-SEP-2010 19:17:36; Dark ; 47.0; 8; 10Alp CMi ; 0.40; 6500;occ; 94; 0;44570  
11; 5450.6; 08-SEP-2010 19:25:54; Dark ; 53.5; 1; 9Alp CMA ; -1.44; 11000;occ; 107; 0;44570  
12; 5602.7; 08-SEP-2010 19:28:26; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;44570  
13; 5725.9; 08-SEP-2010 19:30:29; Dark ; 45.0; 177; 1Zet CMA ; 3.02; 26000;occ; 90; 0;44570  
14; 5814.1; 08-SEP-2010 19:31:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44570  
15; 5918.3; 08-SEP-2010 19:33:41; Dark ; 49.0; 108; Alp Col ; 2.65; 15200;occ; 98; 0;44570  
16; 6703.4; 08-SEP-2010 19:46:46; Dark ; 42.0; 9; Alp Eri ; 0.45; 24000;occ; 84; 0;44571

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3; -219.5; 09-SEP-2010 00:33:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44573  
4; 669.1; 09-SEP-2010 00:48:36; Dark ; 51.0; 9; Alp Eri ; 0.45; 24000;occ; 102; 0;44574  
5; 1021.3; 09-SEP-2010 00:54:28; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;44574  
6; 1357.6; 09-SEP-2010 01:00:04; Dark ; 48.0; 18; 24Alp PsA ; 1.17; 9700;occ; 96; 0;44574  
7; 2203.8; 09-SEP-2010 01:14:10; Bright; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;44574  
8; 2457.2; 09-SEP-2010 01:18:24; Bright; 41.5; 164; 44Eta Peg ; 2.95; 5400;occ; 83; 0;44574  
9; 3077.9; 09-SEP-2010 01:28:44; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;44574  
10; 3196.5; 09-SEP-2010 01:30:43; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;44574  
11; 4190.4; 09-SEP-2010 01:47:17; Bright; 49.5; 42; 34Bet Aur ; 1.90; 10200;occ; 99; 0;44574  
12; 4467.5; 09-SEP-2010 01:51:54; Bright; 41.0; 24; 66Alp Gem ; 1.58; 10200;occ; 82; 0;44574  
13; 4641.0; 09-SEP-2010 01:54:48; Dark ; 54.5; 170; 27Eps Gem ; 3.00; 9700;occ; 109; 0;44574  
14; 4843.0; 09-SEP-2010 01:58:10; Dark ; 55.0; 44; 24Gam Gem ; 1.93; 11000;occ; 110; 0;44574  
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3; -218.7; 09-SEP-2010 02:14:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44574  
4; 669.4; 09-SEP-2010 02:29:12; Dark ; 53.0; 9; Alp Eri ; 0.45; 24000;occ; 106; 0;44575

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6; 1357.8; 09-SEP-2010 02:40:40; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;44575
7; 2203.3; 09-SEP-2010 02:54:46; Bright; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;44575
8; 2457.2; 09-SEP-2010 02:59:00; Bright; 42.5; 164; 44Eta Peg ; 2.95; 5400;occ; 85; 0;44575
9; 3077.3; 09-SEP-2010 03:09:20; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;44575
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2; -1568.3; 09-SEP-2010 03:32:30; Bright; 41.0; 24; 66Alp Gem ; 1.58; 10200;occ; 82; 0;44575
3; -1394.5; 09-SEP-2010 03:35:24; Dark ; 56.5; 170; 27Eps Gem ; 3.00; 9700;occ; 113; 0;44575
4; -1192.4; 09-SEP-2010 03:38:46; Dark ; 55.0; 44; 24Gam Gem ; 1.93; 11000;occ; 110; 0;44575
5; -1080.9; 09-SEP-2010 03:40:37; Dark ; 58.0; 8; 10Alp CMi ; 0.40; 6500;occ; 116; 0;44575
6; -581.3; 09-SEP-2010 03:48:57; Dark ; 54.0; 1; 9Alp CMA ; -1.44; 11000;occ; 108; 0;44575
7; -430.0; 09-SEP-2010 03:51:28; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;44575
8; -306.0; 09-SEP-2010 03:53:32; Dark ; 45.5; 177; 1Zet CMA ; 3.02; 26000;occ; 91; 0;44575
9; -217.9; 09-SEP-2010 03:55:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44575
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11; 670.4; 09-SEP-2010 04:09:49; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;44576
12; 1022.6; 09-SEP-2010 04:15:41; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;44576
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14; 2203.6; 09-SEP-2010 04:35:22; Bright; 42.5; 90; 54Alp Peg ; 2.49; 11000;occ; 85; 0;44576
15; 2456.9; 09-SEP-2010 04:39:35; Bright; 40.0; 164; 44Eta Peg ; 2.95; 5400;occ; 80; 0;44576
16; 3076.7; 09-SEP-2010 04:49:55; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;44576
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4; -1192.0; 09-SEP-2010 05:19:22; Dark ; 56.5; 44; 24Gam Gem ; 1.93; 11000;occ; 113; 0;44576
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13; 1358.4; 09-SEP-2010 06:01:53; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;44577
14; 2203.0; 09-SEP-2010 06:15:57; Bright; 43.0; 90; 54Alp Peg ; 2.49; 11000;occ; 86; 0;44577
15; 2456.9; 09-SEP-2010 06:20:11; Bright; 41.5; 164; 44Eta Peg ; 2.95; 5400;occ; 83; 0;44577
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3; 3076.1; 09-SEP-2010 08:11:06; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;44578

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8; 3834.2; 09-SEP-2010 11:44:56; Bright; 68.0; 175; 39Del Per ; 3.01; 19400;occ; 136; 0;44580
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 4; 3132.7; 16-SEP-2010 12:53:43; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;44681
 5; 4482.3; 16-SEP-2010 13:16:12; Bright; 43.5; 24; 66Alp Gem ; 1.58; 10200;occ; 87; 0;44681
 6; 5005.4; 16-SEP-2010 13:24:55; Dark ; 52.5; 8; 10Alp CMi ; 0.40; 6500;occ; 105; 0;44681
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13; 6676.8; 16-SEP-2010 13:52:47; Dark ; 39.0; 143; Alp Hyi ; 2.86; 7200;occ; 78; 0;44682
14; 6762.4; 16-SEP-2010 13:54:12; Dark ; 42.5; 9; Alp Eri ; 0.45; 24000;occ; 85; 0;44682
15; 7105.9; 16-SEP-2010 13:59:56; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;44682
16; 7564.1; 16-SEP-2010 14:07:34; Dark ; 8.5; 52; 16Bet Cet ; 2.04; 4500;occ; 17; 0;44682
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 4; 2533.0; 16-SEP-2010 14:24:19; Bright; 30.0; 58; 21Alp And ; 2.07; 11000;occ; 60; 0;44682
 5; 3024.9; 16-SEP-2010 14:32:31; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;44682
 6; 3132.1; 16-SEP-2010 14:34:18; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;44682
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14; 6677.2; 16-SEP-2010 15:33:23; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;44683
15; 6762.9; 16-SEP-2010 15:34:49; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;44683
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 4; 2532.4; 16-SEP-2010 16:04:54; Bright; 30.0; 58; 21Alp And ; 2.07; 11000;occ; 60; 0;44683
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15; 6763.4; 16-SEP-2010 17:15:25; Dark ; 42.0; 9; Alp Eri ; 0.45; 24000;occ; 84; 0;44684
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3; 2409.9; 16-SEP-2010 17:43:28; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;44684
4; 2531.6; 16-SEP-2010 17:45:30; Bright; 37.0; 58; 21Alp And ; 2.07; 11000;occ; 74; 0;44684
5; 3023.9; 16-SEP-2010 17:53:42; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;44684
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9; 5452.6; 16-SEP-2010 18:34:11; Dark ; 44.0; 132; 15Rho Pup ; 2.80; 6900;occ; 88; 0;44684
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4; -120.1; 16-SEP-2010 23:43:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44687
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13; 5913.9; 16-SEP-2010 20:22:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44685
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3; 2516.0; 18-SEP-2010 09:59:36; Bright; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;44708
4; 3013.5; 18-SEP-2010 10:07:53; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;44708
5; 3117.6; 18-SEP-2010 10:09:38; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;44708
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3; 2403.8; 18-SEP-2010 14:59:31; Bright; 40.5; 93; 53Bet Peg ; 2.52; 3100;occ; 81; 0;44711

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 9; 5697.3; 22-SEP-2010 13:47:56; Dark ; 51.5; 37; 25Del CMA ; 1.83; 5900;occ; 103; 0;44767  
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 3; 2394.1; 22-SEP-2010 14:33:29; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;44768  
 4; 2482.9; 22-SEP-2010 14:34:58; Bright; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;44768  
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 6; 3086.7; 22-SEP-2010 14:45:02; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;44768  
 7; 4494.3; 22-SEP-2010 15:08:29; Bright; 48.0; 24; 66Alp Gem ; 1.58; 10200;occ; 96; 0;44768  
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 4; 2482.5; 22-SEP-2010 16:15:33; Bright; 42.5; 58; 21Alp And ; 2.07; 11000;occ; 85; 0;44769  
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 11; 5811.3; 22-SEP-2010 17:11:02; Dark ; 42.5; 117; Pi Pup ; 2.71; 3800;occ; 85; 0;44769  
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 14; 6804.3; 22-SEP-2010 17:27:35; Dark ; 51.0; 9; Alp Eri ; 0.45; 24000;occ; 102; 0;44770  
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 5; 2482.0; 22-SEP-2010 17:56:09; Bright; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;44770  
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 3; 2168.5; 22-SEP-2010 19:31:31; Bright; 37.0; 90; 54Alp Peg ; 2.49; 11000;occ; 74; 0;44771
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14; 6183.2; 23-SEP-2010 16:45:37; Dark ; 54.0; 108; Alp Col ; 2.65; 15200;occ; 108; 0;44784
15; 6864.6; 23-SEP-2010 16:56:58; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;44784
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3; 2390.0; 24-SEP-2010 20:12:34; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;44800
4; 2978.5; 24-SEP-2010 20:22:23; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;44800
5; 3071.1; 24-SEP-2010 20:23:55; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;44800
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3; -321.7; 24-SEP-2010 21:07:59; Dark ; 43.0; 88; 31Eta CMA ; 2.45; 20000;occ; 86; 0;44800
4; -235.2; 24-SEP-2010 21:09:25; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;44800
5; -105.9; 24-SEP-2010 21:11:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44800
6; 171.0; 24-SEP-2010 21:16:11; Dark ; 56.5; 108; Alp Col ; 2.65; 15200;occ; 113; 0;44801
7; 842.9; 24-SEP-2010 21:27:23; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;44801
8; 1544.9; 24-SEP-2010 21:39:05; Dark ; 55.0; 52; 16Bet Cet ; 2.04; 4500;occ; 110; 0;44801
9; 2166.6; 24-SEP-2010 21:49:27; Bright; 37.5; 90; 54Alp Peg ; 2.49; 11000;occ; 75; 0;44801

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 7; 2210.3; 24-SEP-2010 23:30:46; Bright; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;44802
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 9; 2977.7; 24-SEP-2010 23:43:34; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;44802
10; 3070.2; 24-SEP-2010 23:45:06; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;44802
11; 4498.9; 25-SEP-2010 00:08:55; Bright; 71.0; 24; 66Alp Gem ; 1.58; 10200;occ; 142; 0;44802
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 4; -341.9; 24-SEP-2010 07:42:51; Dark ; 36.0; 1; 9Alp CMA ; -1.44; 11000;occ; 72; 0;44792
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 4; 2981.1; 24-SEP-2010 08:38:14; Bright; 38.0; 74; 11Bet Cas ; 2.27; 6600;occ; 76; 0;44793
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14; 6873.2; 24-SEP-2010 09:43:06; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;44794
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 4; 2980.6; 24-SEP-2010 10:18:49; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;44794
 5; 3074.0; 24-SEP-2010 10:20:23; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;44794
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7; 5091.4; 25-SEP-2010 17:04:47; Dark ; 70.0; 8; 10Alp CMI ; 0.40; 6500;occ; 140; 0;44812
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9; 5725.3; 25-SEP-2010 17:15:20; Dark ; 44.0; 88; 31Eta CMA ; 2.45; 20000;occ; 88; 0;44812
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13; 6224.4; 25-SEP-2010 17:23:40; Dark ; 55.0; 108; Alp Col ; 2.65; 15200;occ; 110; 0;44813
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4; 2685.6; 28-SEP-2010 21:32:13; Bright; 48.0; 53; 43Bet And ; 2.05; 3300;occ; 96; 0;44858
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3; 2689.5; 28-SEP-2010 13:09:17; Bright; 53.5; 53; 43Bet And ; 2.05; 3300;occ; 107; 0;44853
4; 2961.8; 28-SEP-2010 13:13:50; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;44853
5; 3047.5; 28-SEP-2010 13:15:15; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;44853
6; 4506.7; 28-SEP-2010 13:39:35; Bright; 54.5; 24; 66Alp Gem ; 1.58; 10200;occ; 109; 0;44853
7; 5126.3; 28-SEP-2010 13:49:54; Dark ; 66.0; 8; 10Alp CMi ; 0.40; 6500;occ; 132; 0;44853
8; 5556.4; 28-SEP-2010 13:57:04; Dark ; 47.0; 132; 15Rho Pup ; 2.80; 6900;occ; 94; 0;44853
9; 5764.0; 28-SEP-2010 14:00:32; Dark ; 46.0; 88; 31Eta CMA ; 2.45; 20000;occ; 92; 0;44853
10; 5860.7; 28-SEP-2010 14:02:09; Dark ; 57.5; 23; 21Eps CMA ; 1.50; 26000;occ; 115; 0;44853
11; 5966.4; 28-SEP-2010 14:03:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44853
12; 6094.5; 28-SEP-2010 14:06:02; Dark ; 42.0; 161; Tau Pup ; 2.93; 4500;occ; 84; 0;44854
13; 6922.3; 28-SEP-2010 14:19:50; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;44854
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20100928_143056_000054202093_00211_44854_2558.N1
1; 1552.3; 28-SEP-2010 14:30:56; Dark ; 51.5; 52; 16Bet Cet ; 2.04; 4500;occ; 103; 0;44854
2; 2194.5; 28-SEP-2010 14:41:38; Bright; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;44854
3; 2447.1; 28-SEP-2010 14:45:51; Bright; 40.5; 58; 21Alp And ; 2.07; 11000;occ; 81; 0;44854
4; 2688.6; 28-SEP-2010 14:49:52; Bright; 53.0; 53; 43Bet And ; 2.05; 3300;occ; 106; 0;44854
5; 2961.6; 28-SEP-2010 14:54:25; Bright; 36.5; 74; 11Bet Cas ; 2.27; 6600;occ; 73; 0;44854
6; 3047.3; 28-SEP-2010 14:55:51; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;44854
7; 4506.8; 28-SEP-2010 15:20:11; Bright; 53.0; 24; 66Alp Gem ; 1.58; 10200;occ; 106; 0;44854
8; 5127.2; 28-SEP-2010 15:30:31; Dark ; 73.5; 8; 10Alp CMi ; 0.40; 6500;occ; 147; 0;44854
9; 5557.4; 28-SEP-2010 15:37:41; Dark ; 45.5; 132; 15Rho Pup ; 2.80; 6900;occ; 91; 0;44854
10; 5765.1; 28-SEP-2010 15:41:09; Dark ; 45.0; 88; 31Eta CMA ; 2.45; 20000;occ; 90; 0;44854
11; 5861.8; 28-SEP-2010 15:42:46; Dark ; 58.5; 23; 21Eps CMA ; 1.50; 26000;occ; 117; 0;44854
12; 5967.2; 28-SEP-2010 15:44:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;44854

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6;	3034.3;	30-SEP-2010	18:54:12;	Bright;	40.5;	76;	27Gam Cas	;	2.30;	30000;occ;	81;	0;44885	
7;	4511.6;	30-SEP-2010	19:18:49;	Bright;	53.0;	24;	66Alp Gem	;	1.58;	10200;occ;	106;	0;44885	
8;	4599.5;	30-SEP-2010	19:20:17;	Bright;	62.5;	17;	78Bet Gem	;	1.16;	4500;occ;	125;	0;44885	
9;	5156.9;	30-SEP-2010	19:29:34;	Dark	;	54.0;	8;	10Alp CMi	;	0.40;	6500;occ;	108;	0;44885
10;	5581.2;	30-SEP-2010	19:36:39;	Dark	;	48.0;	132;	15Rho Pup	;	2.80;	6900;occ;	96;	0;44885
11;	5827.5;	30-SEP-2010	19:40:45;	Dark	;	62.5;	37;	25Del CMa	;	1.83;	5900;occ;	125;	0;44885
12;	5989.6;	30-SEP-2010	19:43:27;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;44885
13;	6202.1;	30-SEP-2010	19:46:59;	Dark	;	56.0;	2;	Alp Car	;	-0.74;	7000;occ;	112;	0;44886
14;	6331.9;	30-SEP-2010	19:49:09;	Dark	;	59.0;	108;	Alp Col	;	2.65;	15200;occ;	118;	0;44886
15;	6946.5;	30-SEP-2010	19:59:24;	Dark	;	49.5;	157;	The1Eri	;	2.91;	9300;occ;	99;	0;44886