

GOMOS Daily Report 30-OCT-2009

Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM_TRA_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	02NOV2009 04:44:21
Data source version	GOMOS/5.00L03
Start time of products	30OCT2009 00:05:09
Stop time of products	30OCT2009 23:53:12
Store outputs in DB	Yes
Nb of level 1b prods	75
Nb of prods with errors	0

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

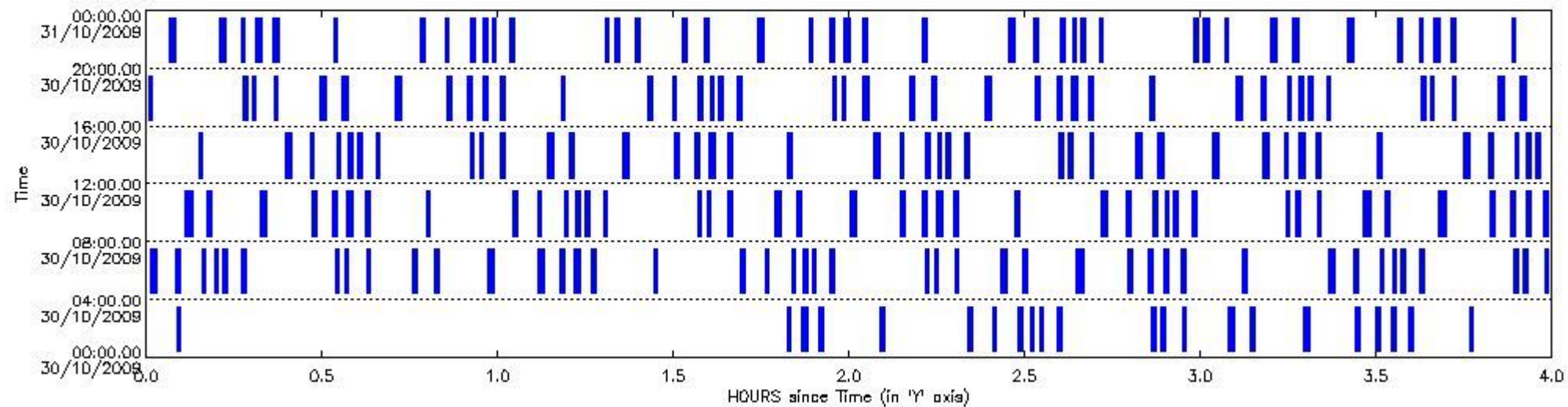
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

No missing products.

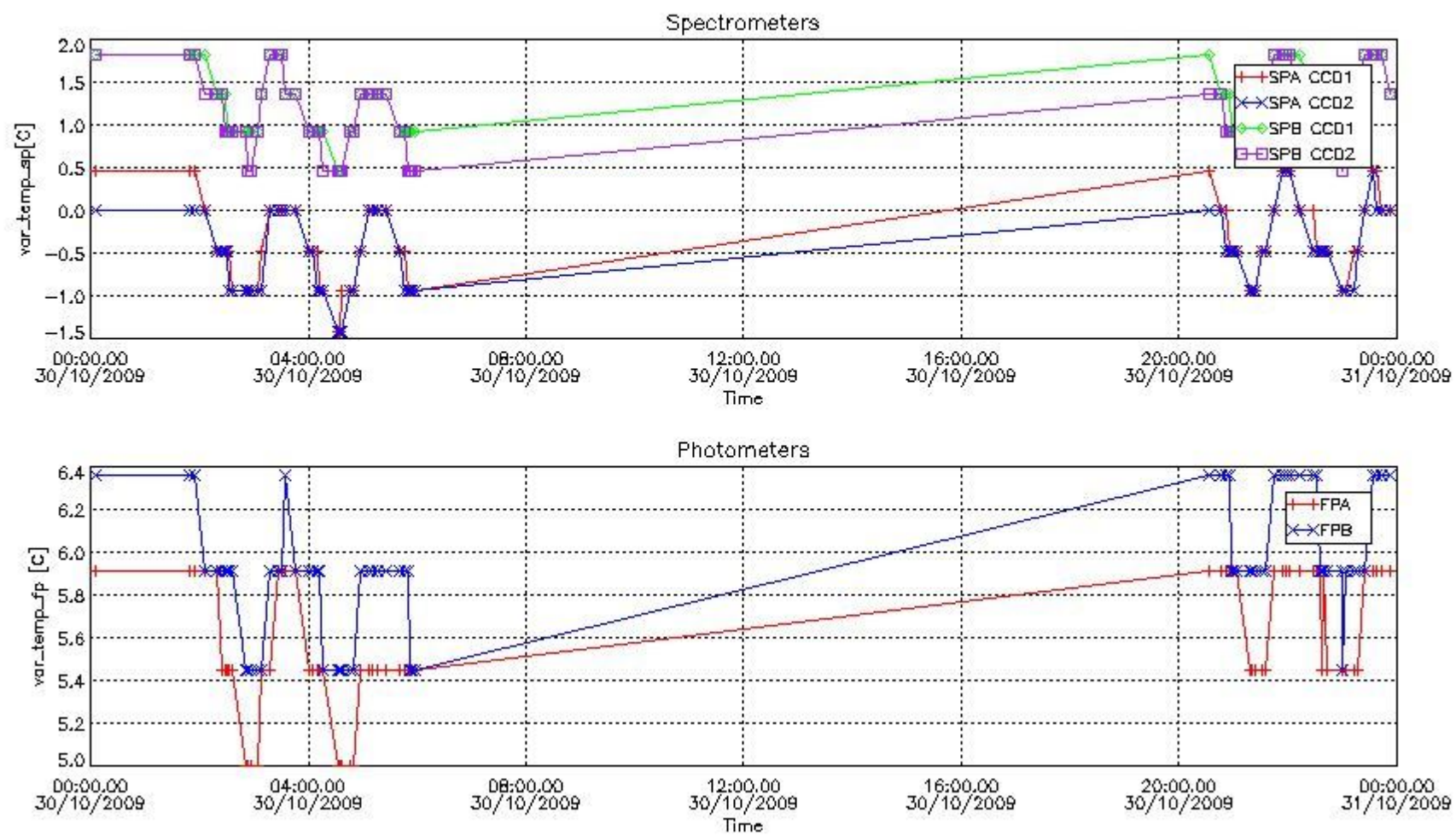
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20091030_000509_000000452083_00445_40078_2198.N1	30-OCT-2009 00:05:09	Dark	45.000	65	Lam Vel	2.2040	4400.0	90	40078	No
2	GOM_TRA_1PNPDE20091030_014921_000000462083_00447_40080_2203.N1	30-OCT-2009 01:49:21	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	40080	No
3	GOM_TRA_1PNPDE20091030_015451_000000492083_00447_40080_2204.N1	30-OCT-2009 01:54:51	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	40080	No
4	GOM_TRA_1PNPDE20091030_020521_000000412083_00447_40080_2205.N1	30-OCT-2009 02:05:21	Straylight	41.000	157	The1Eri	2.9060	9300.0	82	40080	No
5	GOM_TRA_1PNPDE20091030_022008_000000622083_00447_40080_2206.N1	30-OCT-2009 02:20:08	Bright	61.500	94	92Alp Cet	2.5260	3100.0	123	40080	No
6	GOM_TRA_1PNPDE20091030_022427_000000422083_00447_40080_2207.N1	30-OCT-2009 02:24:27	Bright	41.500	105	6Bet Ari	2.6450	8900.0	83	40080	No
7	GOM_TRA_1PNPDE20091030_022856_000000402083_00447_40080_2208.N1	30-OCT-2009 02:28:56	Bright	39.500	173	4Bet Tri	3.0040	8900.0	79	40080	No
8	GOM_TRA_1PNPDE20091030_023058_000000392083_00447_40080_2209.N1	30-OCT-2009 02:30:58	Bright	39.000	73	57Gam1And	2.2600	13100.	78	40080	No
9	GOM_TRA_1PNPDE20091030_023230_000000452083_00447_40080_2210.N1	30-OCT-2009 02:32:30	Bright	45.000	79	26Bet Per	2.3100	13100.	90	40080	No
10	GOM_TRA_1PNPDE20091030_023538_000000432083_00447_40080_2211.N1	30-OCT-2009 02:35:38	Bright	43.000	160	23Gam Per	2.9300	4700.0	86	40080	No
11	GOM_TRA_1PNPDE20091030_025143_000000402083_00447_40080_2214.N1	30-OCT-2009 02:51:43	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	40080	No
12	GOM_TRA_1PNPDE20091030_025319_000000442083_00447_40080_2215.N1	30-OCT-2009 02:53:19	Bright	43.500	82	48Bet UMa	2.3650	10600.	87	40080	No

13	GOM_TRA_1PNPDE20091030_025658_000000372083_00447_40080_2216.N1	30-OCT-2009 02:56:58	Bright	36.500	174	52Psi UMa	3.0040	4400.0	73	40080	No
14	GOM_TRA_1PNPDE20091030_030447_000000552083_00447_40080_2217.N1	30-OCT-2009 03:04:47	Bright	54.500	166	17Eps Leo	2.9800	6000.0	109	40080	No
15	GOM_TRA_1PNPDE20091030_030830_000000552083_00447_40080_2218.N1	30-OCT-2009 03:08:30	Bright	54.500	22	32Alp Leo	1.3600	15200.	109	40080	No
16	GOM_TRA_1PNPDE20091030_031735_000000652083_00447_40080_2219.N1	30-OCT-2009 03:17:35	Dark	64.500	48	30Alp Hya	1.9770	4100.0	129	40080	No
17	GOM_TRA_1PNPDE20091030_032623_000000582083_00447_40080_2220.N1	30-OCT-2009 03:26:23	Dark	58.000	65	Lam Vel	2.2040	4400.0	116	40080	No
18	GOM_TRA_1PNPDE20091030_032958_000000462083_00448_40081_2221.N1	30-OCT-2009 03:29:58	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	40081	No
19	GOM_TRA_1PNPDE20091030_033528_000000492083_00448_40081_2222.N1	30-OCT-2009 03:35:28	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	40081	No
20	GOM_TRA_1PNPDE20091030_034557_000000412083_00448_40081_2223.N1	30-OCT-2009 03:45:57	Straylight	41.000	157	The1Eri	2.9060	9300.0	82	40081	No
21	GOM_TRA_1PNPDE20091030_040044_000000692083_00448_40081_2224.N1	30-OCT-2009 04:00:44	Bright	68.500	94	92Alp Cet	2.5260	3100.0	137	40081	No
22	GOM_TRA_1PNPDE20091030_040503_000000412083_00448_40081_2225.N1	30-OCT-2009 04:05:03	Bright	40.500	105	6Bet Ari	2.6450	8900.0	81	40081	No
23	GOM_TRA_1PNPDE20091030_040932_000000402083_00448_40081_2226.N1	30-OCT-2009 04:09:32	Bright	39.500	173	4Bet Tri	3.0040	8900.0	79	40081	No
24	GOM_TRA_1PNPDE20091030_041134_000000412083_00448_40081_2227.N1	30-OCT-2009 04:11:34	Bright	40.500	73	57Gam1And	2.2600	13100.	81	40081	No
25	GOM_TRA_1PNPDE20091030_041305_000000452083_00448_40081_2228.N1	30-OCT-2009 04:13:05	Bright	45.000	79	26Bet Per	2.3100	13100.	90	40081	No
26	GOM_TRA_1PNPDE20091030_041613_000000422083_00448_40081_2229.N1	30-OCT-2009 04:16:13	Bright	42.000	160	23Gam Per	2.9300	4700.0	84	40081	No
27	GOM_TRA_1PNPDE20091030_043219_000000372083_00448_40081_2219.N1	30-OCT-2009 04:32:19	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	40081	No
28	GOM_TRA_1PNPDE20091030_043355_000000402083_00448_40081_2220.N1	30-OCT-2009 04:33:55	Bright	39.500	82	48Bet UMa	2.3650	10600.	79	40081	No
29	GOM_TRA_1PNPDE20091030_043734_000000372083_00448_40081_2221.N1	30-OCT-2009 04:37:34	Bright	36.500	174	52Psi UMa	3.0040	4400.0	73	40081	No
30	GOM_TRA_1PNPDE20091030_044523_000000542083_00448_40081_2222.N1	30-OCT-2009 04:45:23	Bright	54.000	166	17Eps Leo	2.9800	6000.0	108	40081	No
31	GOM_TRA_1PNPDE20091030_044907_000000562083_00448_40081_2223.N1	30-OCT-2009 04:49:07	Bright	56.000	22	32Alp Leo	1.3600	15200.	112	40081	No
32	GOM_TRA_1PNPDE20091030_045813_000000662083_00448_40081_2224.N1	30-OCT-2009 04:58:13	Dark	66.000	48	30Alp Hya	1.9770	4100.0	132	40081	No
33	GOM_TRA_1PNPDE20091030_050659_000000582083_00448_40081_2225.N1	30-OCT-2009 05:06:59	Dark	57.500	65	Lam Vel	2.2040	4400.0	115	40081	No
34	GOM_TRA_1PNPDE20091030_051035_000000462083_00449_40082_2226.N1	30-OCT-2009 05:10:35	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	40082	No
35	GOM_TRA_1PNPDE20091030_051605_000000472083_00449_40082_2227.N1	30-OCT-2009 05:16:05	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	40082	No
36	GOM_TRA_1PNPDE20091030_052633_000000412083_00449_40082_2228.N1	30-OCT-2009 05:26:33	Straylight	40.500	157	The1Eri	2.9060	9300.0	81	40082	No
37	GOM_TRA_1PNPDE20091030_054119_000000582083_00449_40082_2229.N1	30-OCT-2009 05:41:19	Bright	58.000	94	92Alp Cet	2.5260	3100.0	116	40082	No
38	GOM_TRA_1PNPDE20091030_054539_000000392083_00449_40082_2230.N1	30-OCT-2009 05:45:39	Bright	38.500	105	6Bet Ari	2.6450	8900.0	77	40082	No
39	GOM_TRA_1PNPDE20091030_055008_000000382083_00449_40082_2231.N1	30-OCT-2009 05:50:08	Bright	38.000	173	4Bet Tri	3.0040	8900.0	76	40082	No
40	GOM_TRA_1PNPDE20091030_055209_000000402083_00449_40082_2232.N1	30-OCT-2009 05:52:09	Bright	40.000	73	57Gam1And	2.2600	13100.	80	40082	No
41	GOM_TRA_1PNPDE20091030_055340_000000452083_00449_40082_2233.N1	30-OCT-2009 05:53:40	Bright	44.500	79	26Bet Per	2.3100	13100.	89	40082	No
42	GOM_TRA_1PNPDE20091030_055649_000000412083_00449_40082_2234.N1	30-OCT-2009 05:56:49	Bright	40.500	160	23Gam Per	2.9300	4700.0	81	40082	No
43	GOM_TRA_1PNPDE20091030_203200_000000422083_00458_40091_2274.N1	30-OCT-2009 20:32:00	Straylight	41.500	157	The1Eri	2.9060	9300.0	83	40091	No
44	GOM_TRA_1PNPDE20091030_204640_000000582083_00458_40091_2275.N1	30-OCT-2009 20:46:40	Bright	57.500	94	92Alp Cet	2.5260	3100.0	115	40091	No
45	GOM_TRA_1PNPDE20091030_205100_000000402083_00458_40091_2276.N1	30-OCT-2009 20:51:00	Bright	39.500	105	6Bet Ari	2.6450	8900.0	79	40091	No
46	GOM_TRA_1PNPDE20091030_205528_000000402083_00458_40091_2277.N1	30-OCT-2009 20:55:28	Bright	39.500	173	4Bet Tri	3.0040	8900.0	79	40091	No
47	GOM_TRA_1PNPDE20091030_205730_000000402083_00458_40091_2278.N1	30-OCT-2009 20:57:30	Bright	40.000	73	57Gam1And	2.2600	13100.	80	40091	No
48	GOM_TRA_1PNPDE20091030_205858_000000462083_00458_40091_2279.N1	30-OCT-2009 20:58:58	Bright	45.500	79	26Bet Per	2.3100	13100.	91	40091	No
49	GOM_TRA_1PNPDE20091030_210207_000000432083_00458_40091_2280.N1	30-OCT-2009 21:02:07	Bright	42.500	160	23Gam Per	2.9300	4700.0	85	40091	No
50	GOM_TRA_1PNPDE20091030_211817_000000412083_00458_40091_2281.N1	30-OCT-2009 21:18:17	Bright	41.000	36	50Alp UMa	1.8000	6300.0	82	40091	No
51	GOM_TRA_1PNPDE20091030_211954_000000562083_00458_40091_2282.N1	30-OCT-2009 21:19:54	Bright	56.000	82	48Bet UMa	2.3650	10600.	112	40091	No
52	GOM_TRA_1PNPDE20091030_212333_000000372083_00458_40091_2283.N1	30-OCT-2009 21:23:33	Bright	37.000	174	52Psi UMa	3.0040	4400.0	74	40091	No
53	GOM_TRA_1PNPDE20091030_213127_000000542083_00458_40091_2284.N1	30-OCT-2009 21:31:27	Bright	54.000	166	17Eps Leo	2.9800	6000.0	108	40091	No
54	GOM_TRA_1PNPDE20091030_213512_000000582083_00458_40091_2285.N1	30-OCT-2009 21:35:12	Bright	58.000	22	32Alp Leo	1.3600	15200.	116	40091	No
55	GOM_TRA_1PNPDE20091030_214425_000000692083_00458_40091_2280.N1	30-OCT-2009 21:44:25	Dark	68.500	48	30Alp Hya	1.9770	4100.0	137	40091	No
56	GOM_TRA_1PNPDE20091030_215307_000000462083_00458_40091_2281.N1	30-OCT-2009 21:53:07	Dark	45.500	65	Lam Vel	2.2040	4400.0	91	40091	No
57	GOM_TRA_1PNPDE20091030_215643_000000472083_00459_40092_2282.N1	30-OCT-2009 21:56:43	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	40092	No
58	GOM_TRA_1PNPDE20091030_220212_000000492083_00459_40092_2283.N1	30-OCT-2009 22:02:12	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	40092	No
59	GOM_TRA_1PNPDE20091030_221236_000000422083_00459_40092_2284.N1	30-OCT-2009 22:12:36	Straylight	41.500	157	The1Eri	2.9060	9300.0	83	40092	No
60	GOM_TRA_1PNPDE20091030_222715_000000642083_00459_40092_2285.N1	30-OCT-2009 22:27:15	Bright	64.000	94	92Alp Cet	2.5260	3100.0	128	40092	No
61	GOM_TRA_1PNPDE20091030_223136_000000392083_00459_40092_2286.N1	30-OCT-2009 22:31:36	Bright	38.500	105	6Bet Ari	2.6450	8900.0	77	40092	No
62	GOM_TRA_1PNPDE20091030_223604_000000462083_00459_40092_2287.N1	30-OCT-2009 22:36:04	Bright	45.500	173	4Bet Tri	3.0040	8900.0	91	40092	No
63	GOM_TRA_1PNPDE20091030_223806_000000412083_00459_40092_2288.N1	30-OCT-2009 22:38:06	Bright	40.500	73	57Gam1And	2.2600	13100.	81	40092	No
64	GOM_TRA_1PNPDE20091030_223933_000000472083_00459_40092_2289.N1	30-OCT-2009 22:39:33	Bright	46.500	79	26Bet Per	2.3100	13100.	93	40092	No
65	GOM_TRA_1PNPDE20091030_224243_000000412083_00459_40092_2290.N1	30-OCT-2009 22:42:43	Bright	41.000	160	23Gam Per	2.9300	4700.0	82	40092	No
66	GOM_TRA_1PNPDE20091030_225853_000000392083_00459_40092_2291.N1	30-OCT-2009 22:58:53	Bright	39.000	36	50Alp UMa	1.8000	6300.0	78	40092	No
67	GOM_TRA_1PNPDE20091030_230030_000000562083_00459_40092_2292.N1	30-OCT-2009 23:00:30	Bright	56.000	82	48Bet UMa	2.3650	10600.	112	40092	No
68	GOM_TRA_1PNPDE20091030_230409_000000372083_00459_40092_2293.N1	30-OCT-2009 23:04:09	Bright	37.000	174	52Psi UMa	3.0040	4400.0	74	40092	No
69	GOM_TRA_1PNPDE20091030_231203_000000552083_00459_40092_2294.N1	30-OCT-2009 23:12:03	Bright	54.500	166	17Eps Leo	2.9800	6000.0	109	40092	No
70	GOM_TRA_1PNPDE20091030_231548_000000572083_00459_40092_2295.N1	30-OCT-2009 23:15:48	Bright	57.000	22	32Alp Leo	1.3600	15200.	114	40092	No
71	GOM_TRA_1PNPDE20091030_232502_000000672083_00459_40092_2286.N1	30-OCT-2009 23:25:02	Dark	66.500	48	30Alp Hya	1.9770	4100.0	133	40092	No

72	GOM_TRA_1PNPDE20091030_233344_000000512083_00459_40092_2287.N1	30-OCT-2009 23:33:44	Dark	50.500	65	Lam Vel	2.2040	4400.0	101	40092	No
73	GOM_TRA_1PNPDE20091030_233720_000000452083_00460_40093_2288.N1	30-OCT-2009 23:37:20	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	40093	No
74	GOM_TRA_1PNPDE20091030_234249_000000502083_00460_40093_2289.N1	30-OCT-2009 23:42:49	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	40093	No
75	GOM_TRA_1PNPDE20091030_235312_000000412083_00460_40093_2290.N1	30-OCT-2009 23:53:12	Straylight	41.000	157	The1Eri	2.9060	9300.0	82	40093	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).

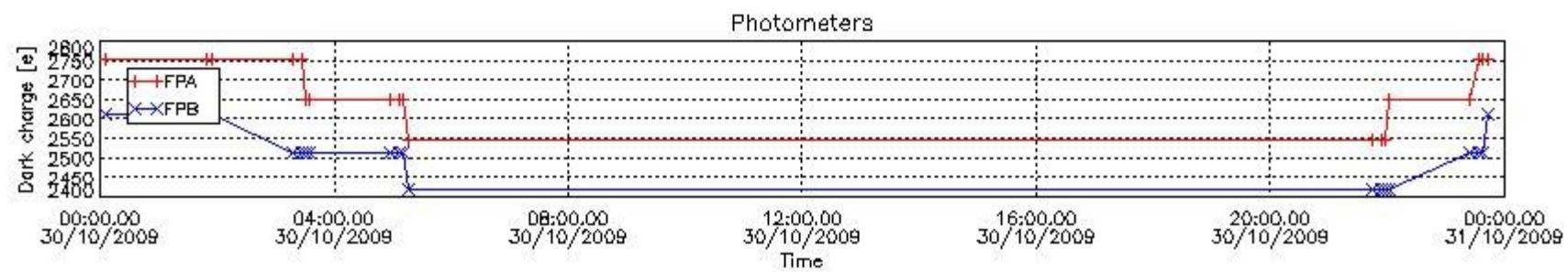
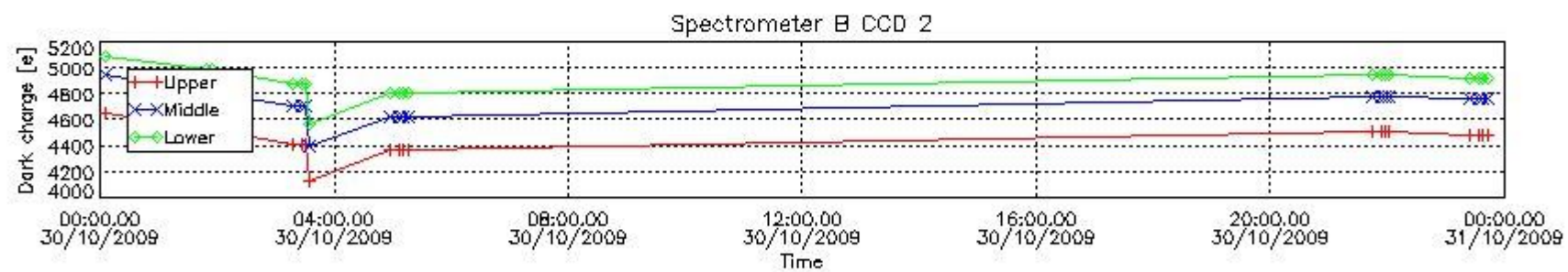
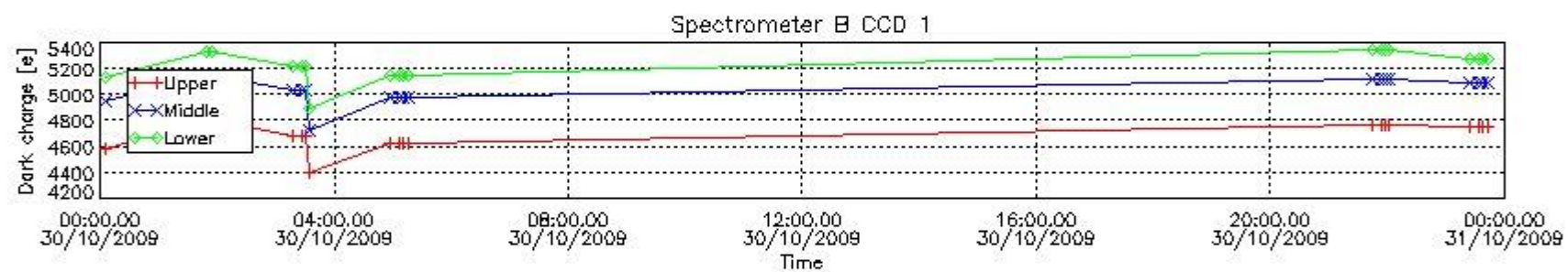
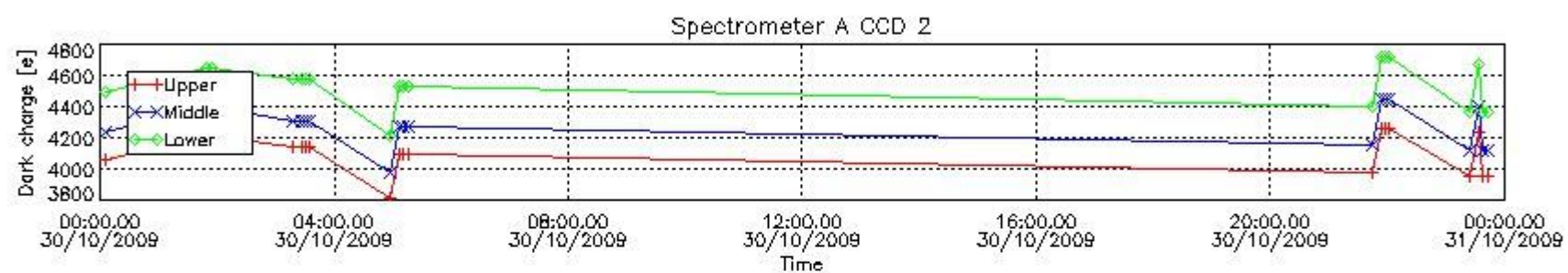
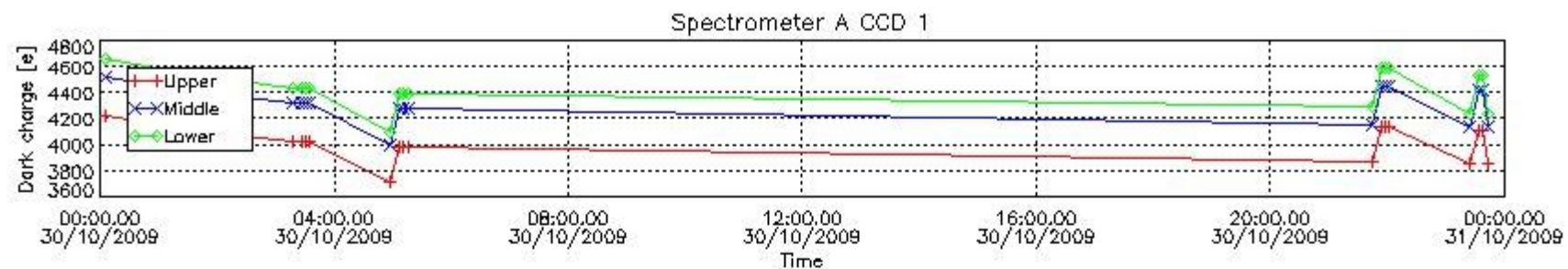
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20091030_000509_000000452083_00445_40078_2198.N1	DC map used
GOM_TRA_1PNPDE20091030_203200_000000422083_00458_40091_2274.N1	DC map used
GOM_TRA_1PNPDE20091030_204640_000000582083_00458_40091_2275.N1	DC map used
GOM_TRA_1PNPDE20091030_205100_000000402083_00458_40091_2276.N1	DC map used
GOM_TRA_1PNPDE20091030_205528_000000402083_00458_40091_2277.N1	DC map used
GOM_TRA_1PNPDE20091030_205730_000000402083_00458_40091_2278.N1	DC map used

GOM_TRA_1PNPDE20091030_205858_000000462083_00458_40091_2279.N1	DC map used
GOM_TRA_1PNPDE20091030_210207_000000432083_00458_40091_2280.N1	DC map used
GOM_TRA_1PNPDE20091030_211817_000000412083_00458_40091_2281.N1	DC map used
GOM_TRA_1PNPDE20091030_211954_000000562083_00458_40091_2282.N1	DC map used
GOM_TRA_1PNPDE20091030_212333_000000372083_00458_40091_2283.N1	DC map used
GOM_TRA_1PNPDE20091030_213127_000000542083_00458_40091_2284.N1	DC map used
GOM_TRA_1PNPDE20091030_213512_000000582083_00458_40091_2285.N1	DC map used

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



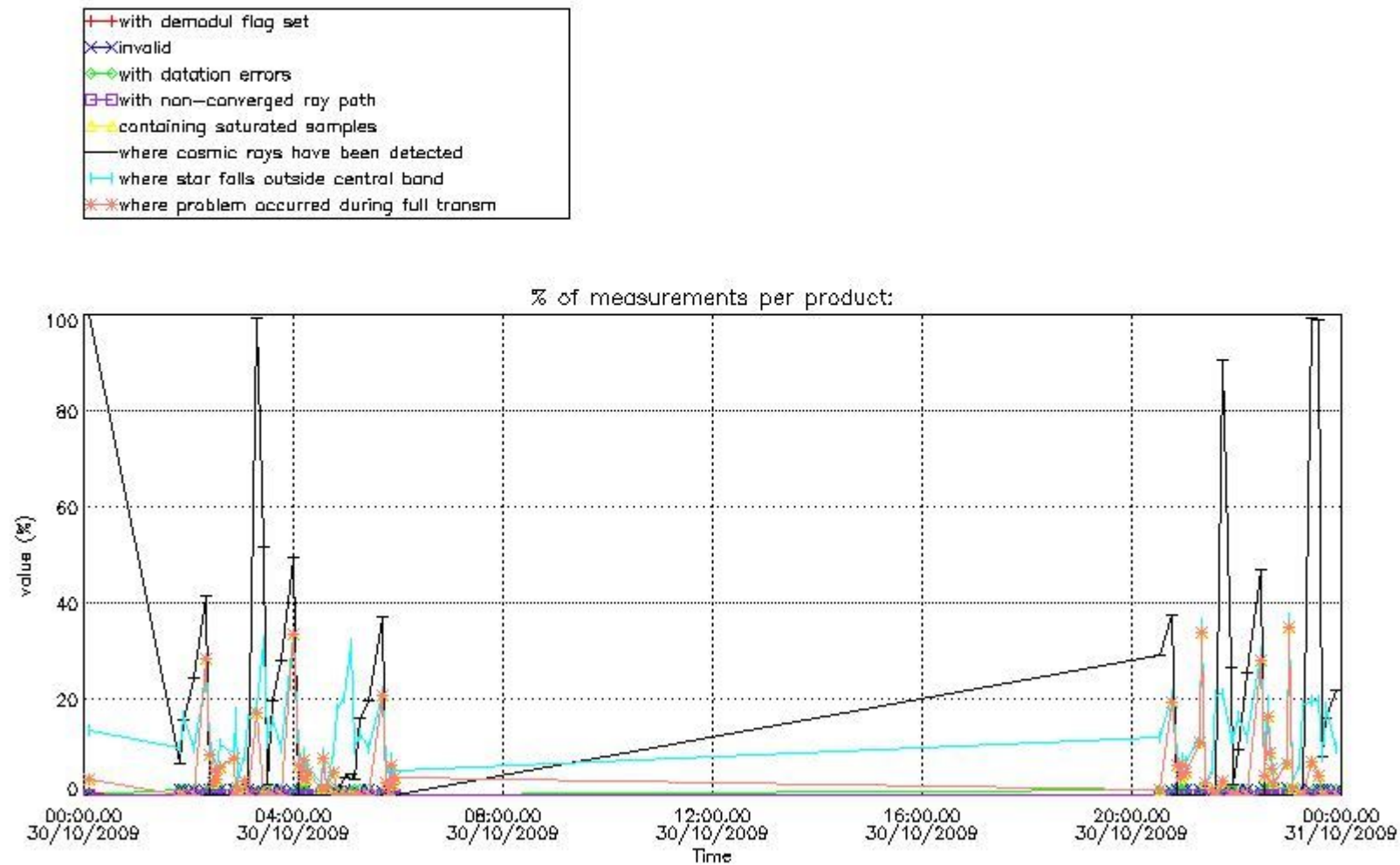
5. Demodulation flag and quality information monitoring

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.

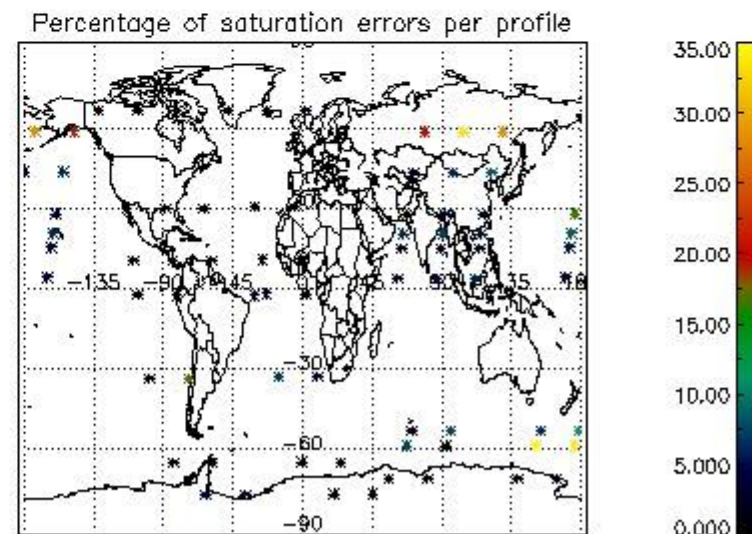
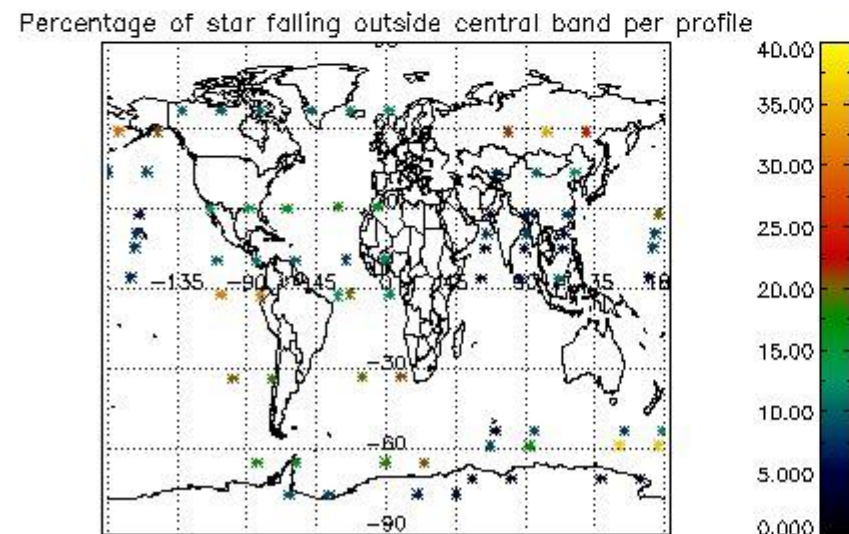
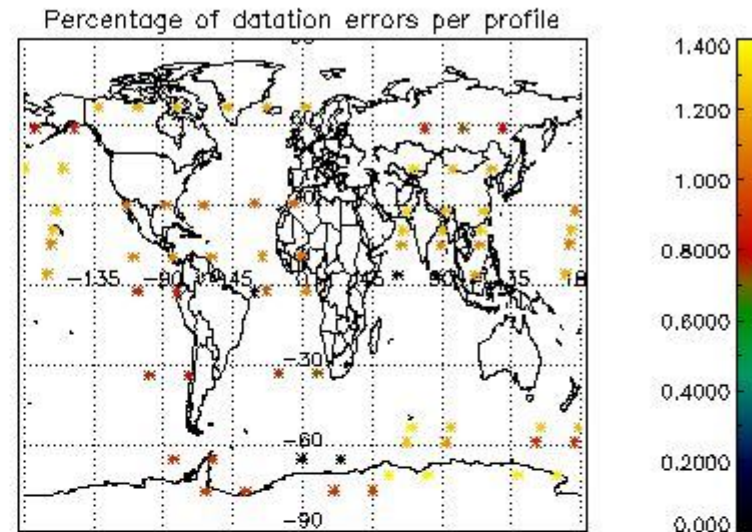
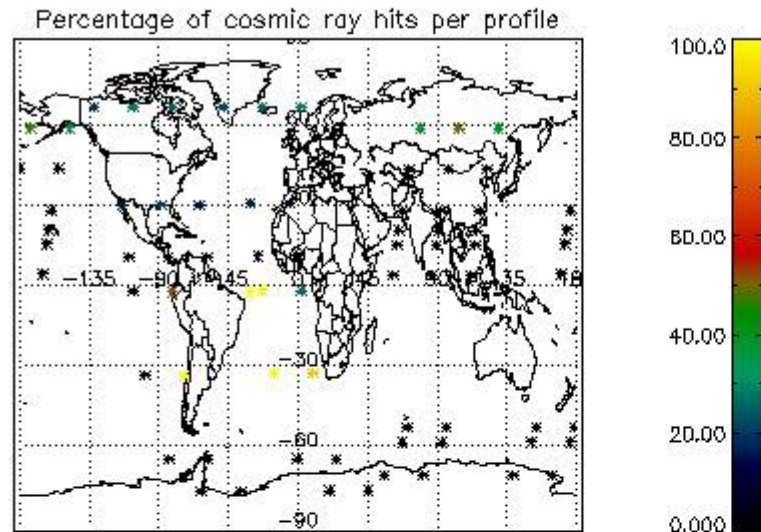
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	25.3333 %
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)



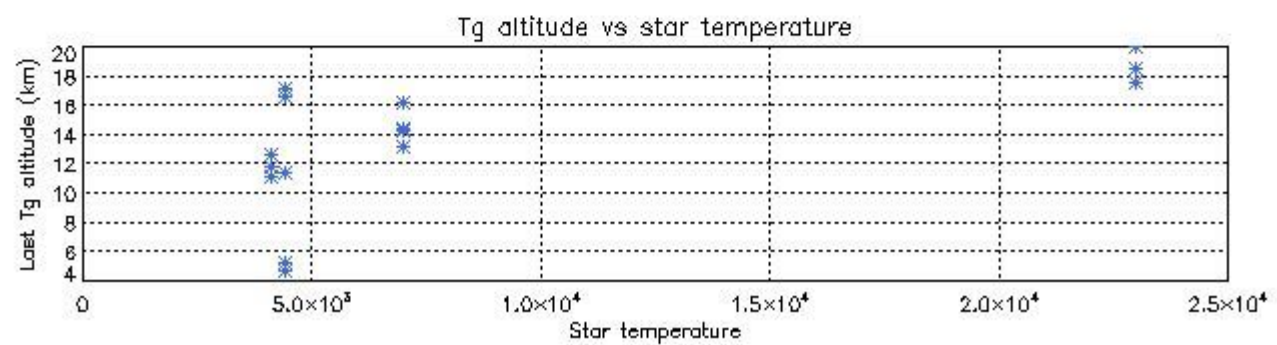
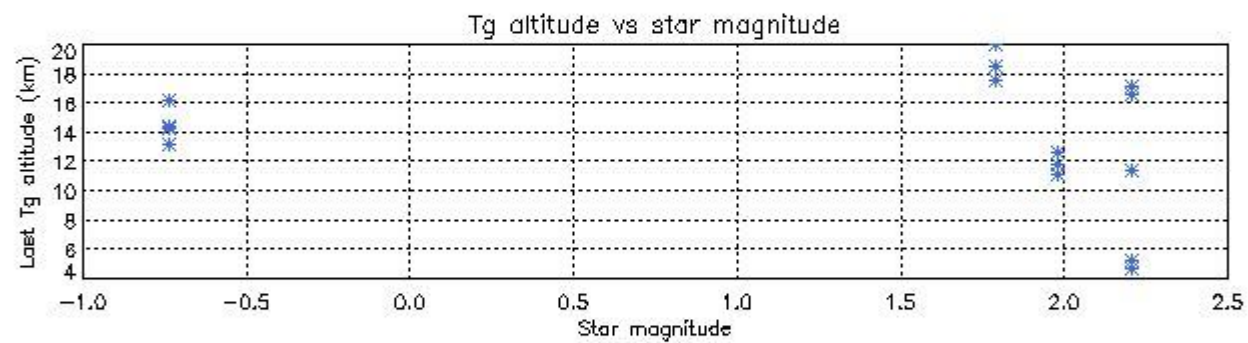
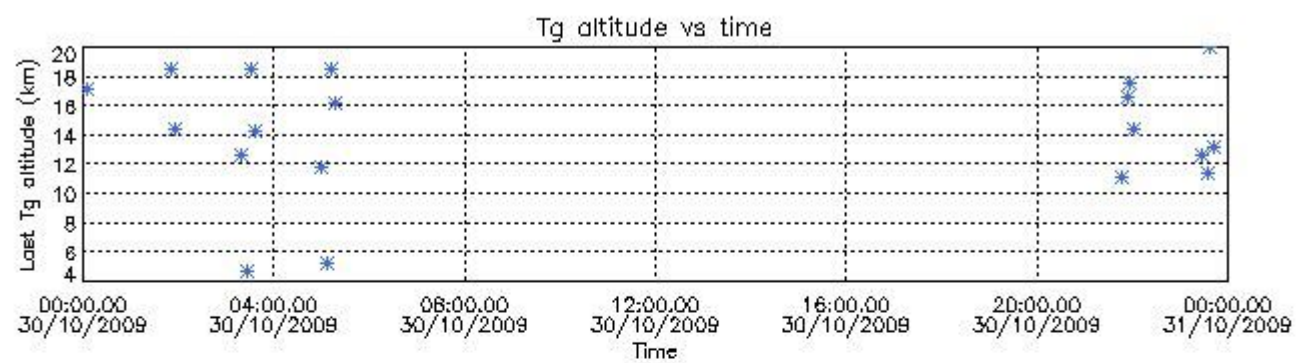
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.140	17.924	NaN
St. deviation:	4.2091	5.5794	NaN
Maximum:	19.962	24.827	NaN
Minimum:	4.6912	3.4333	NaN
Number of data:	19.000	50.000	NaN

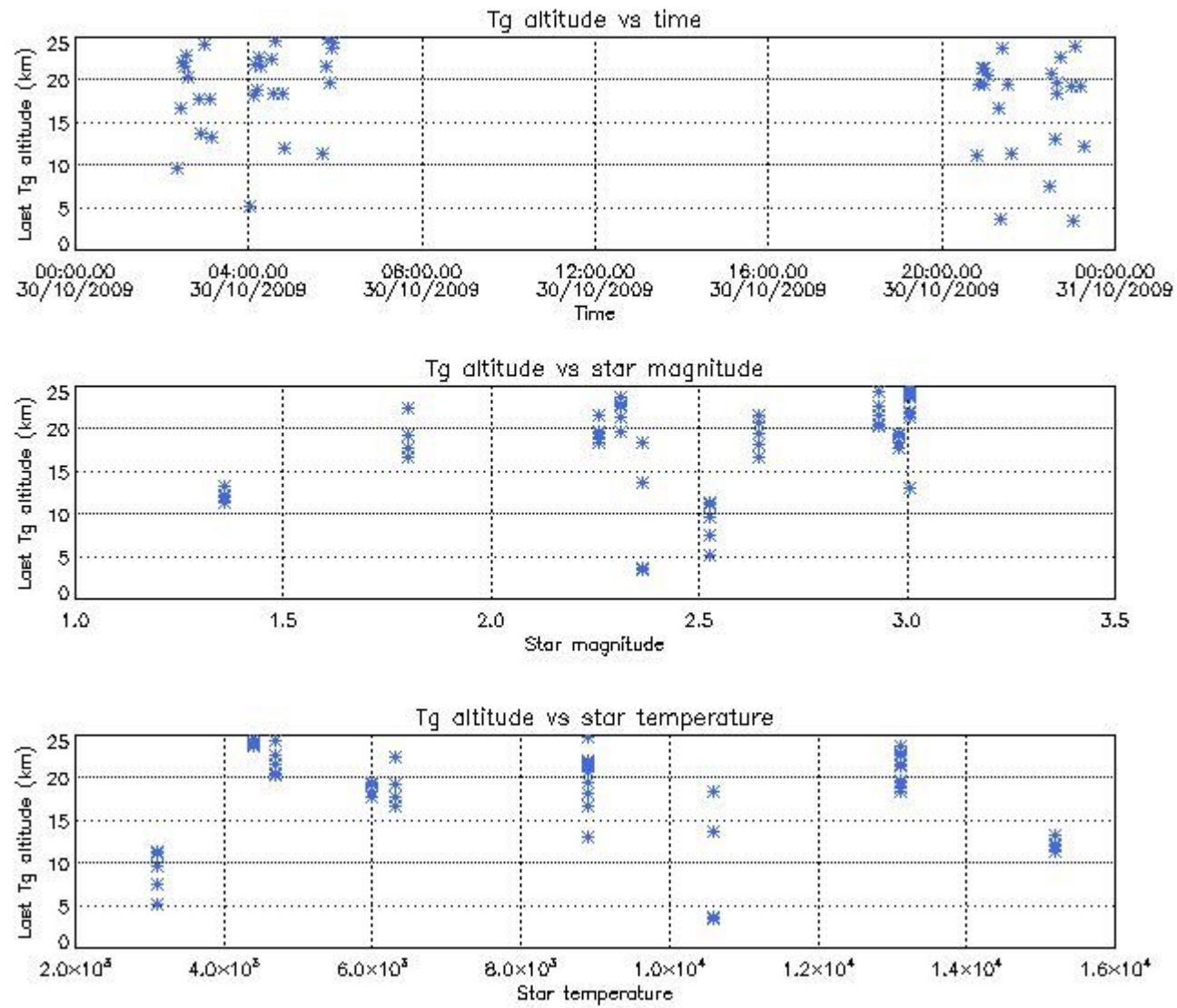
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

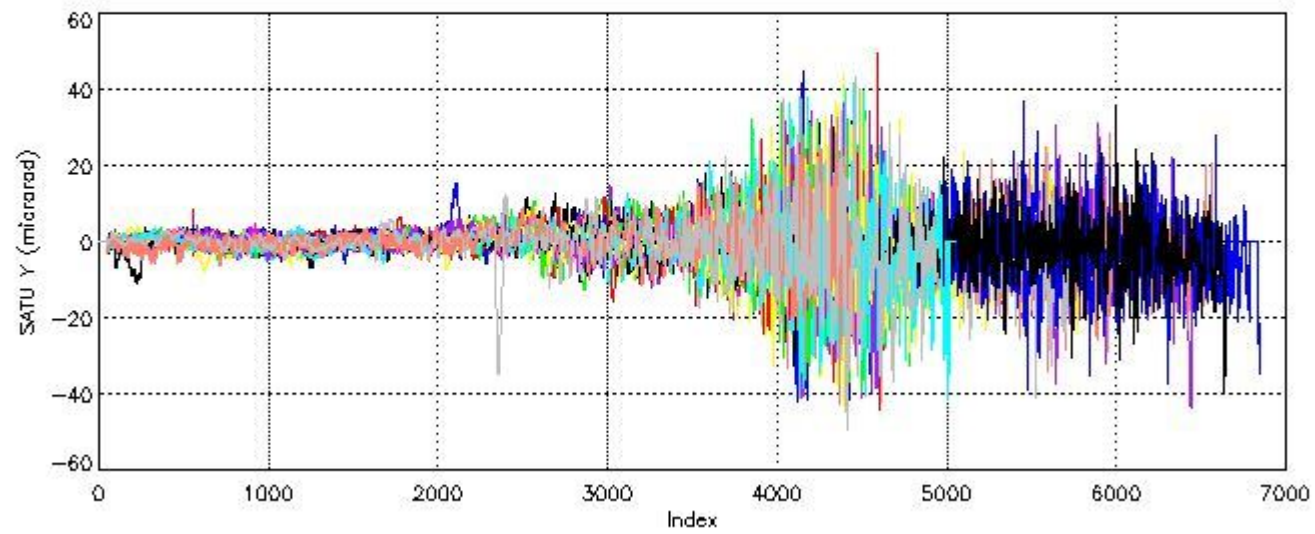
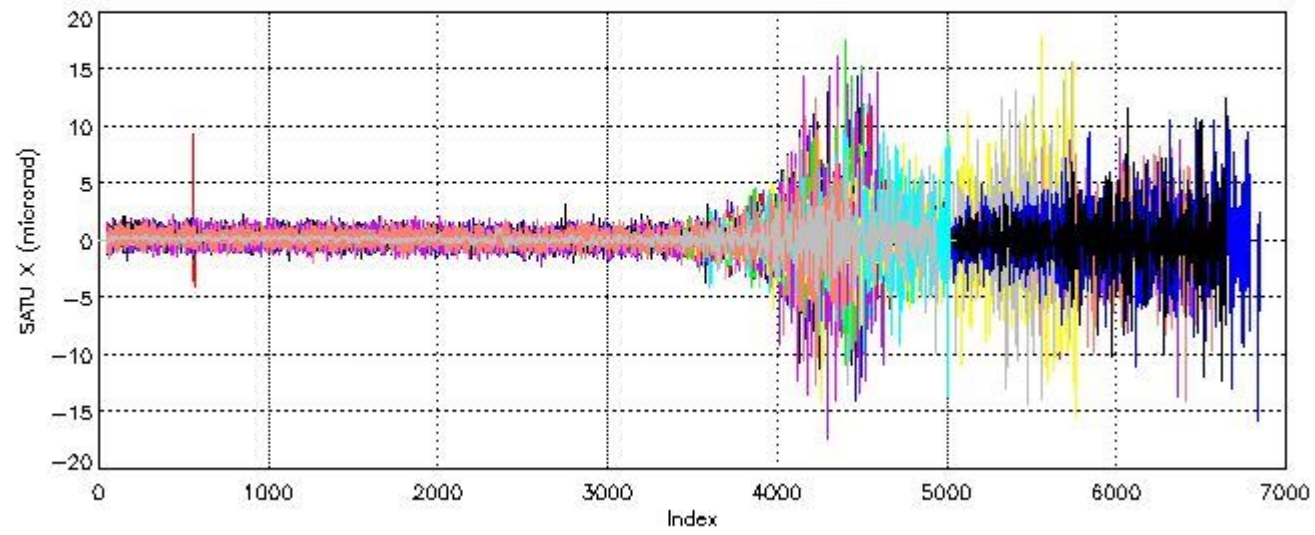


7. Star Acquisition and Tracking Unit (SATU)

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:	0.22144	-0.29770	0.22537	-0.27084
St. deviation:	0.31638	1.3517	0.81263	1.7026
Maximum:	9.3000	8.6000	8.4000	9.3000
Minimum:	-4.0000	-10.900	-21.900	-9.4000

Number of data:	21050.	21050.	50100.	50100.
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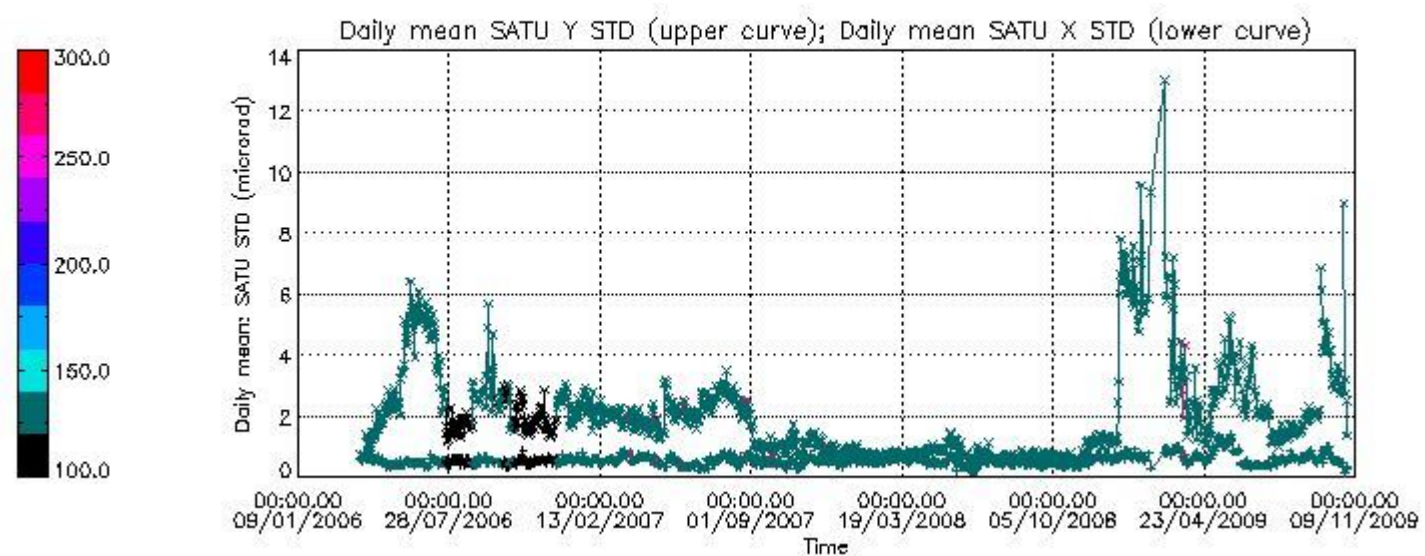
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

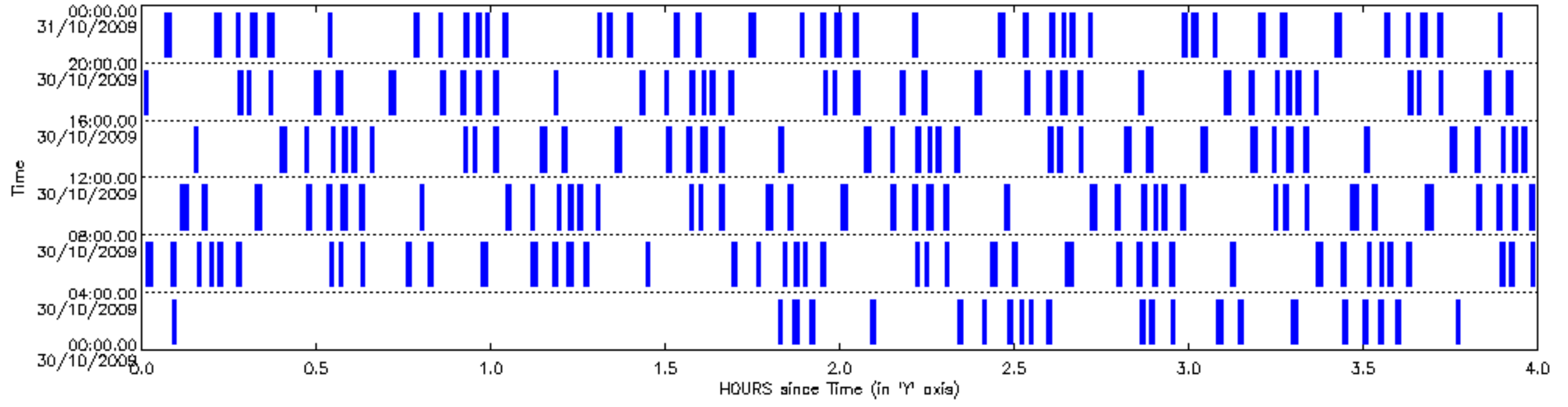
Lower curve: STD of SATU X axis

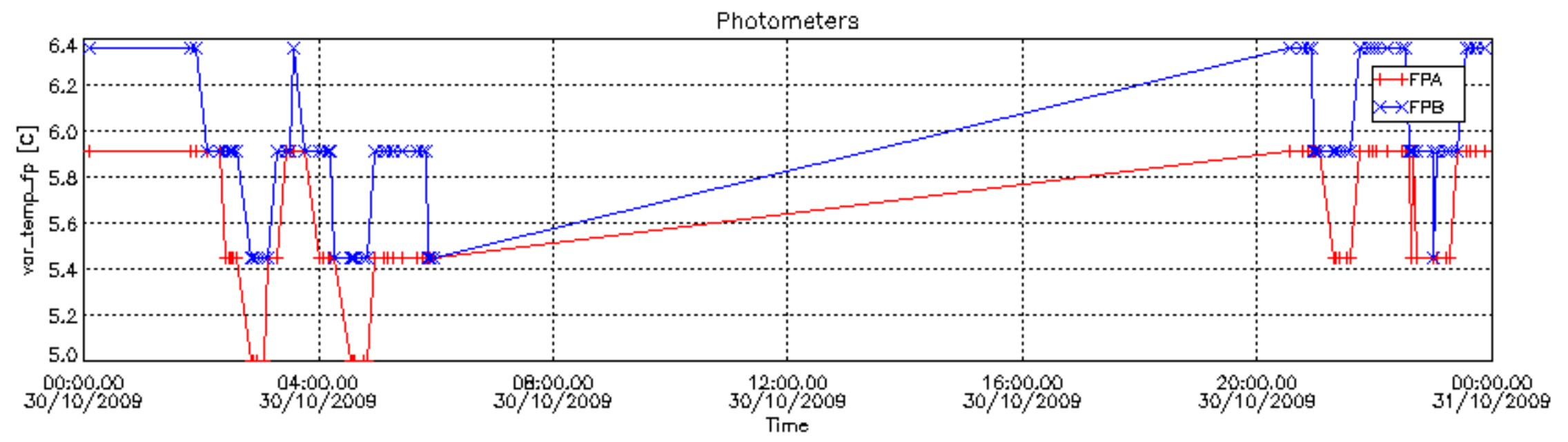
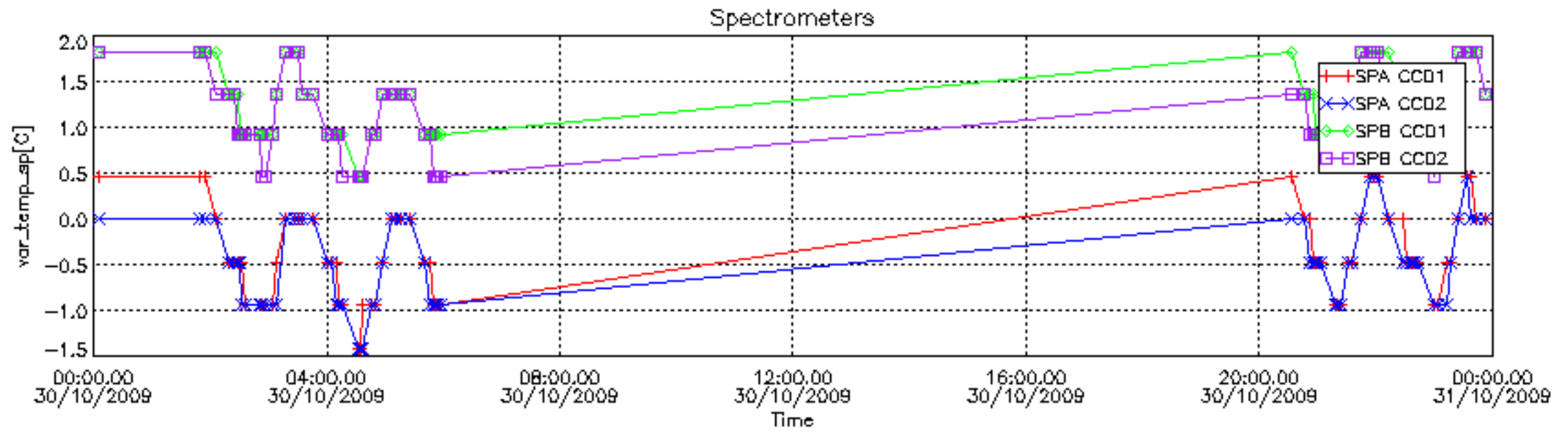


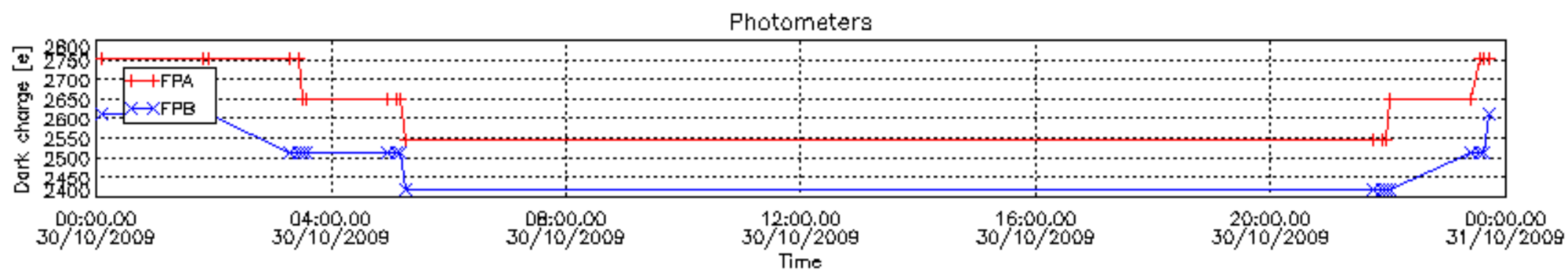
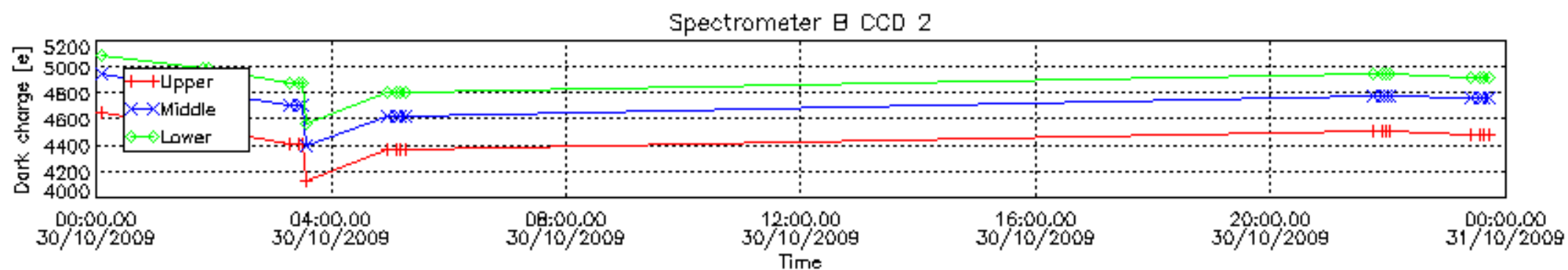
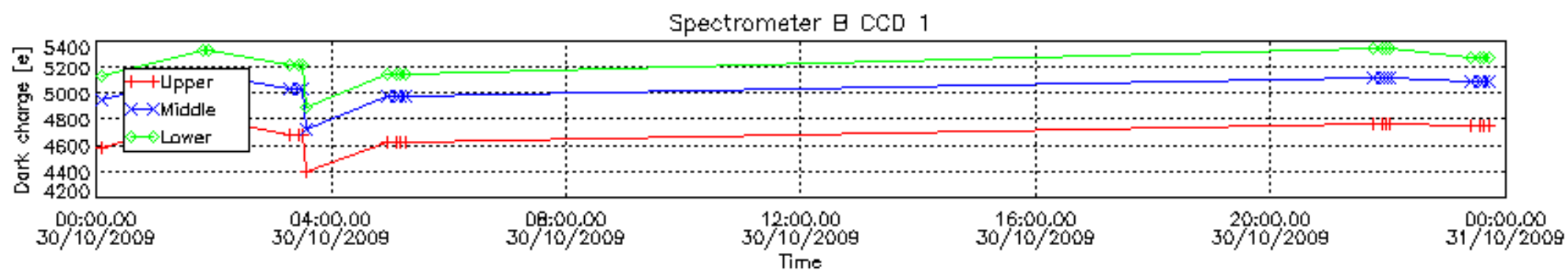
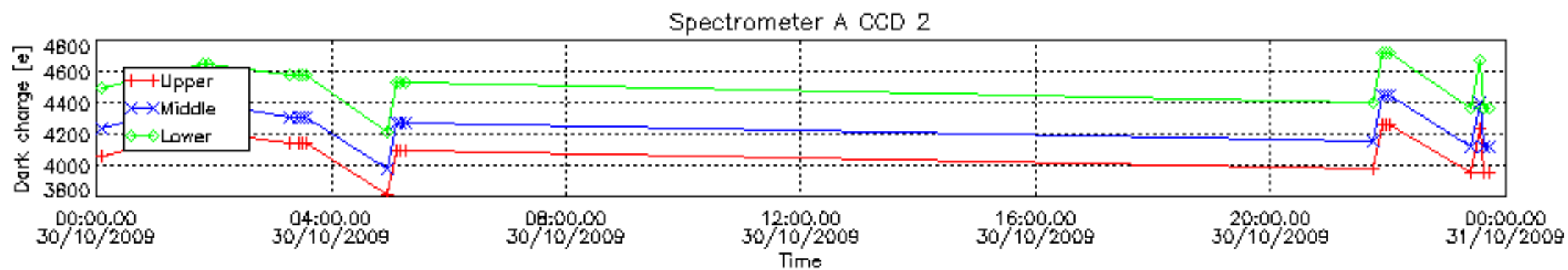
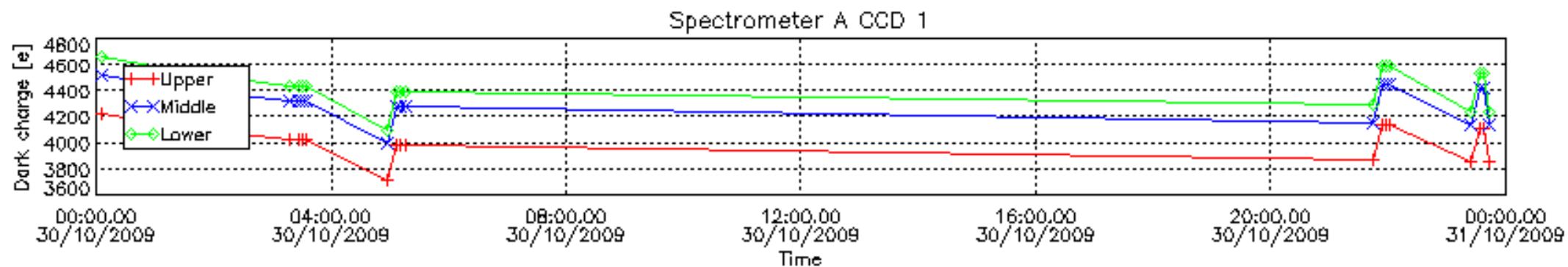
8. Auxiliary Data Files used for the production reported in section 2.4

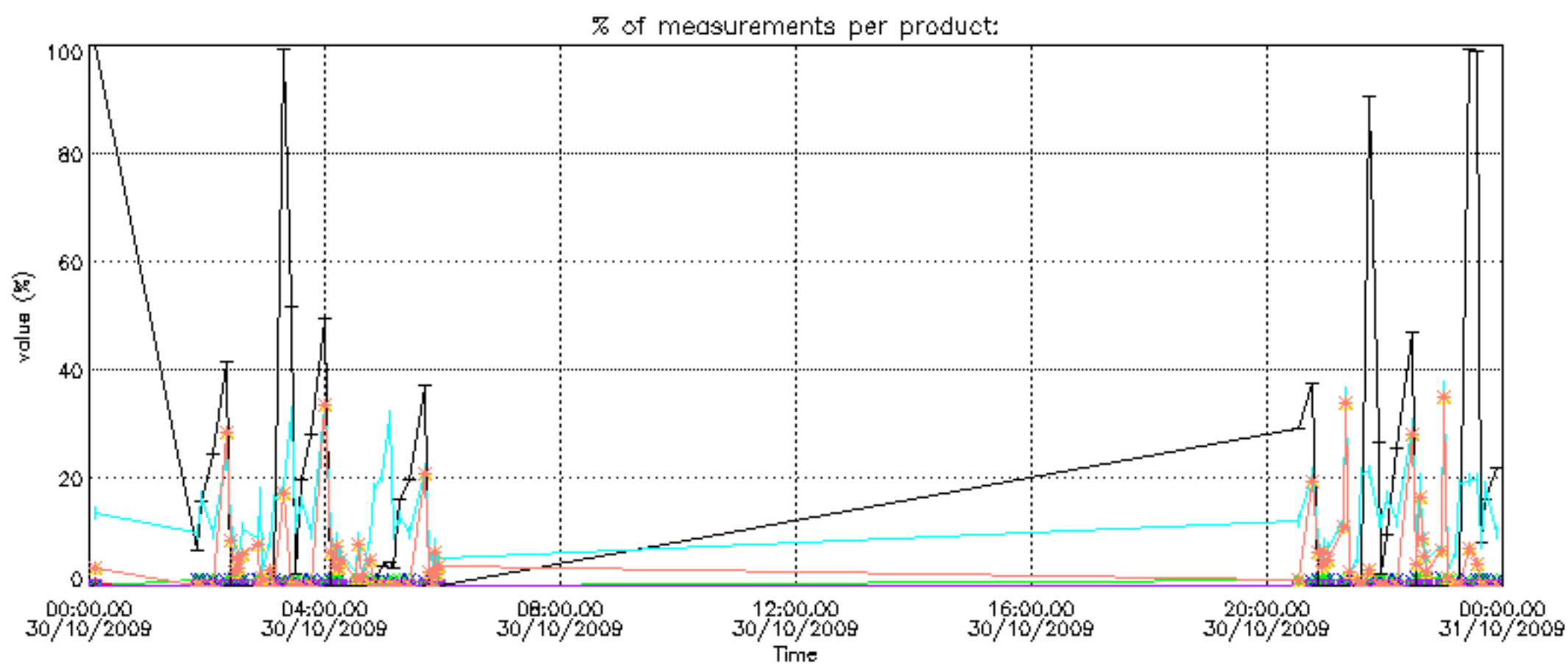
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	30-OCT-2009 00:05:09
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091029_082046_20091027_000000_20100101_000000	1	30-OCT-2009 00:05:09
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	30-OCT-2009 00:05:09
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	30-OCT-2009 00:05:09
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	30-OCT-2009 00:05:09
ECMWF_FILE	AUX_ECF_AXNECM20091029_064114_20091029_210000_20091030_090000	1	30-OCT-2009 00:05:09
ECMWF_FILE	AUX_ECF_AXNECM20091029_182114_20091030_030000_20091030_150000	27	30-OCT-2009 04:32:19
ECMWF_FILE	AUX_ECF_AXNECM20091030_064111_20091030_150000_20091031_030000	43	30-OCT-2009 20:32:00
ECMWF_FILE	AUX_ECF_AXNECM20091030_064111_20091030_210000_20091031_090000	55	30-OCT-2009 21:44:25
OPTIONAL_ECMWF_FILE	MISSING	1	30-OCT-2009 00:05:09
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091029_234900_000057382083_00445_40078_9064.N1	1	30-OCT-2009 00:05:09
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20091030_010112_20091029_190405_20091108_203018	2	30-OCT-2009 01:49:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091030_024939_000054192083_00447_40080_9066.N1	11	30-OCT-2009 02:51:43
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20091030_010112_20091029_190405_20091108_203018	27	30-OCT-2009 04:32:19
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091030_202658_000038252083_00458_40091_9068.N1	43	30-OCT-2009 20:32:00
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20091030_010112_20091029_190405_20091108_203018	55	30-OCT-2009 21:44:25
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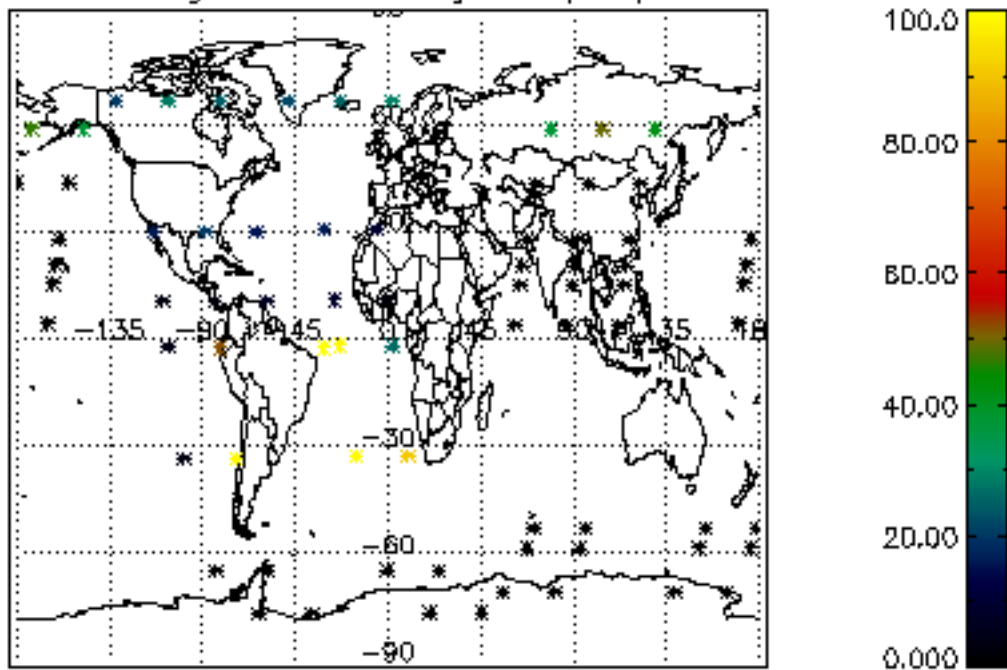




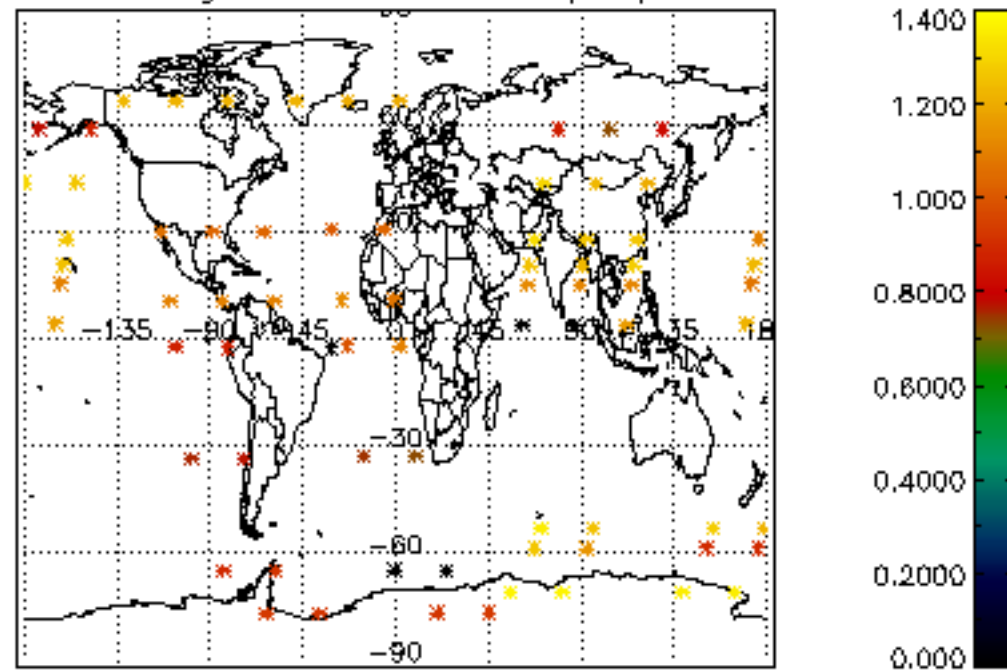




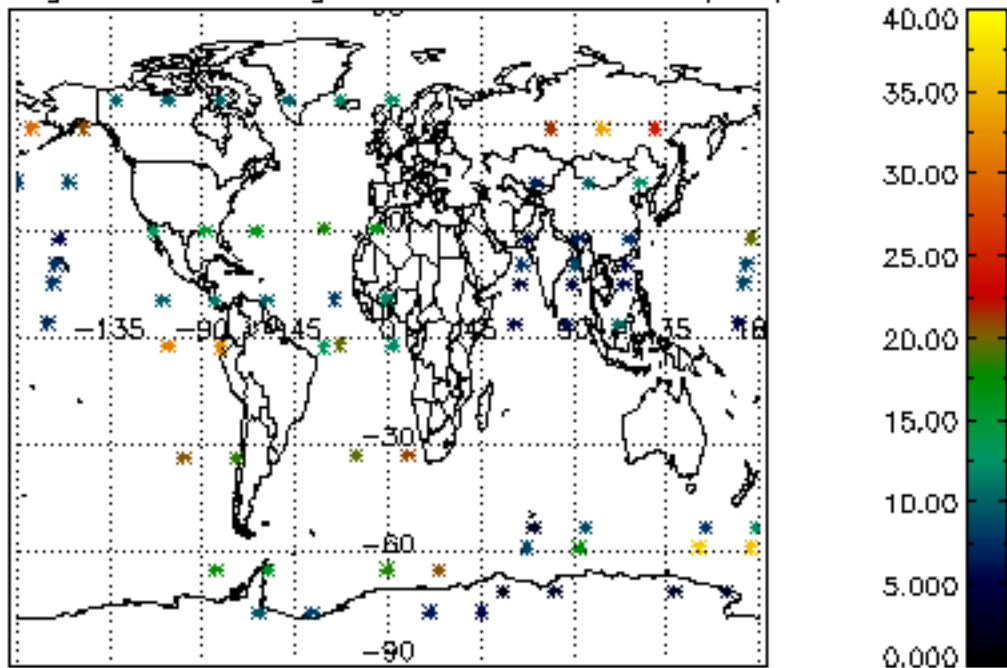
Percentage of cosmic ray hits per profile



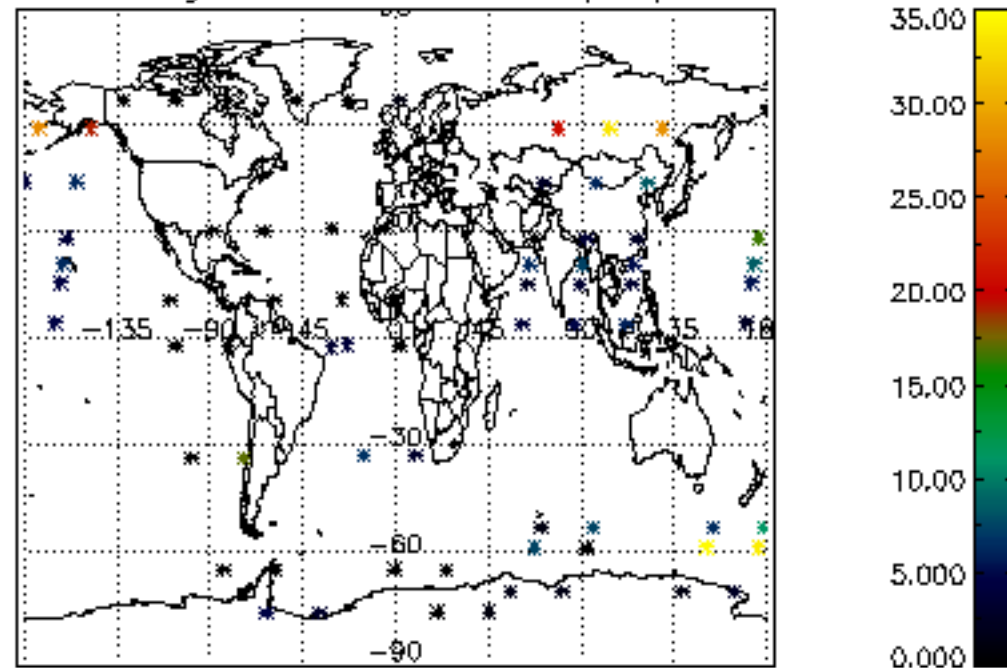
Percentage of datation errors per profile



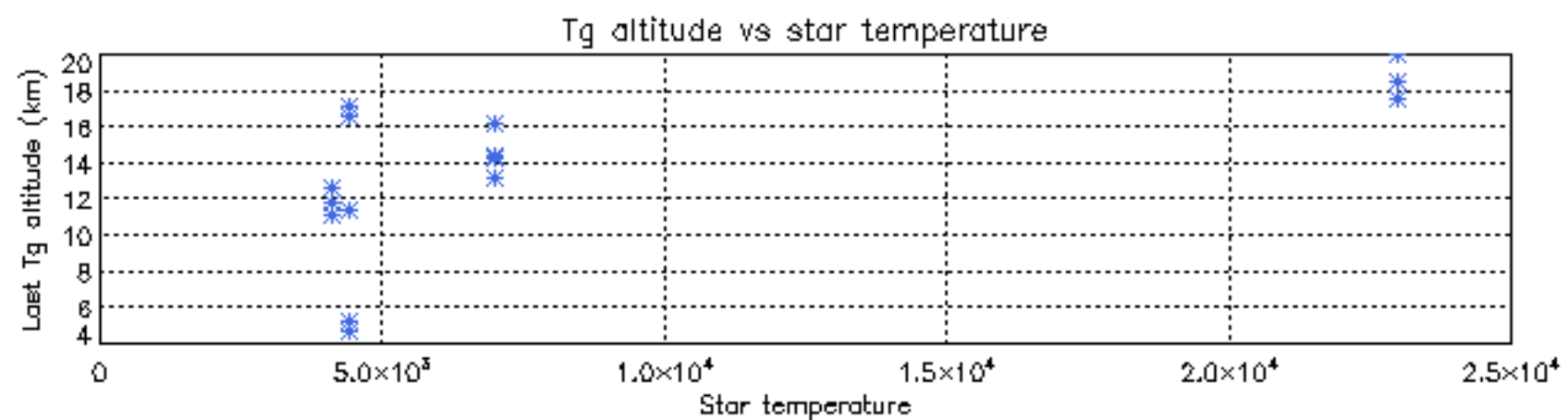
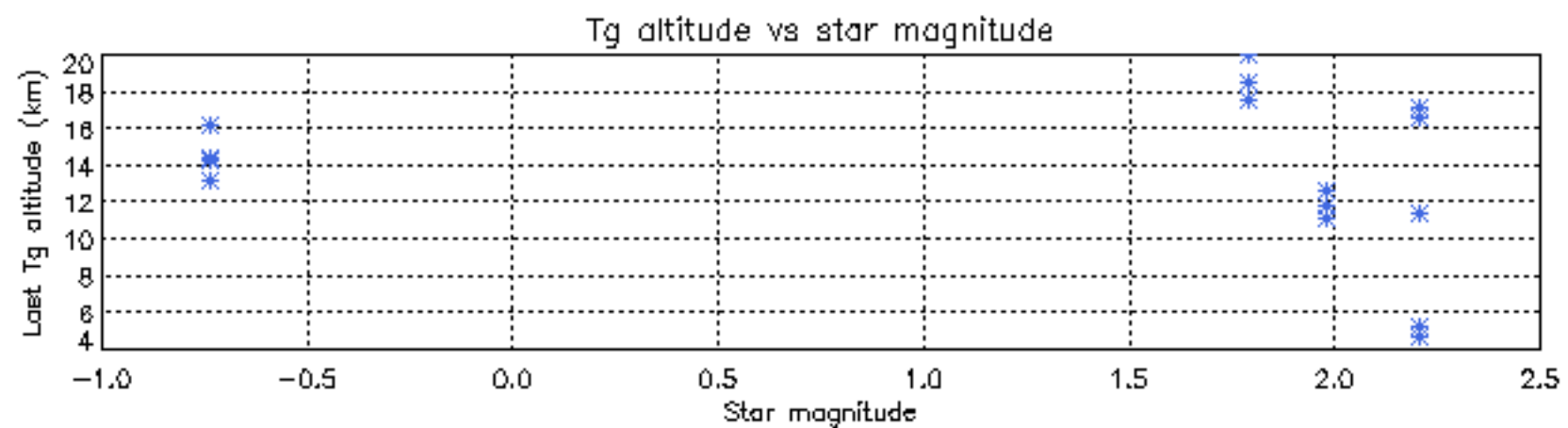
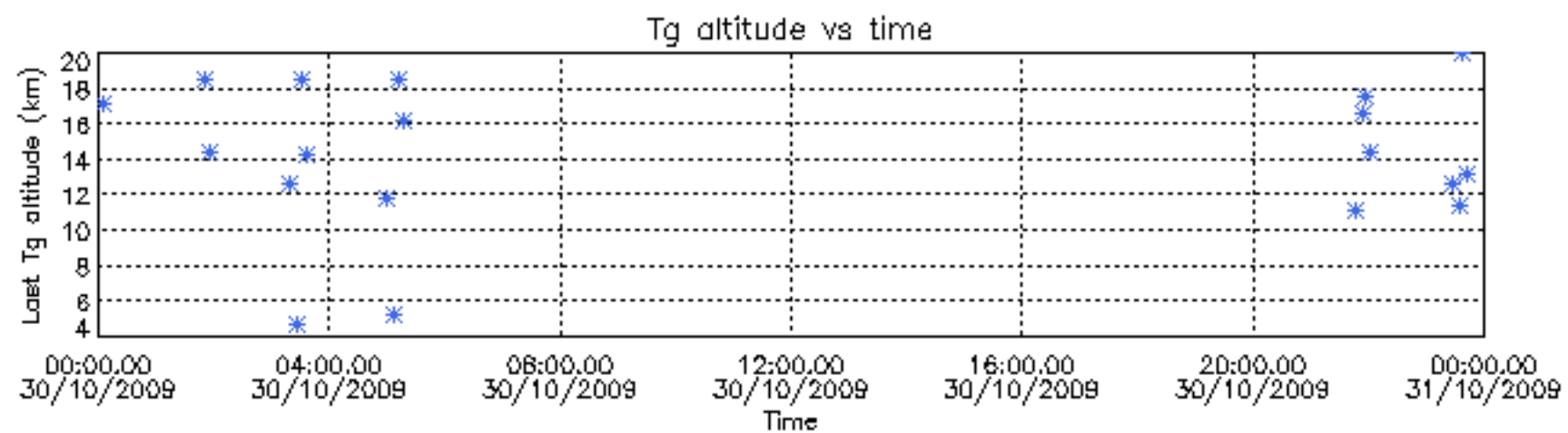
Percentage of star falling outside central band per profile



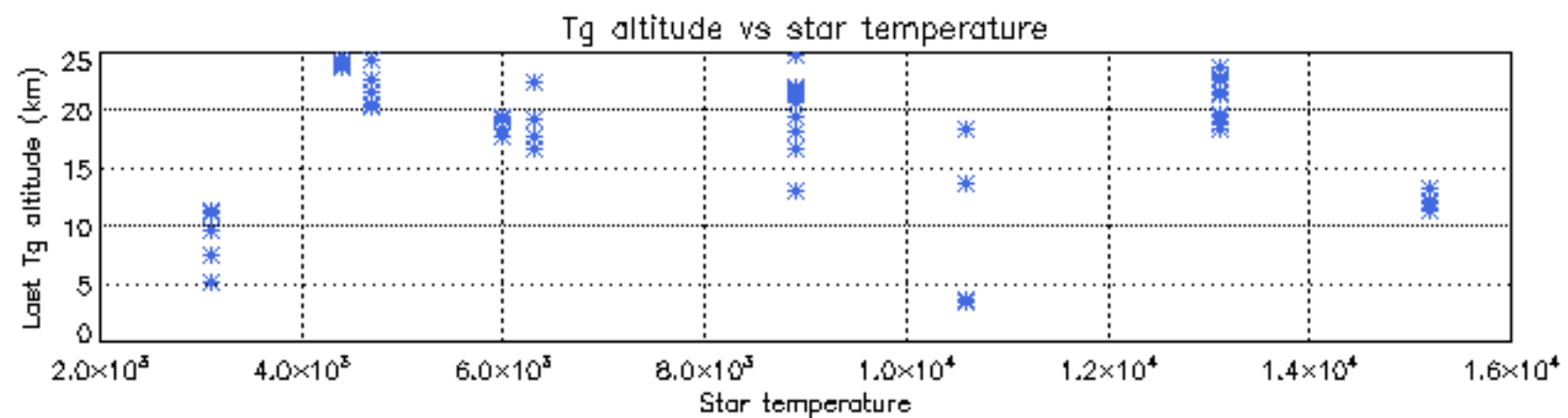
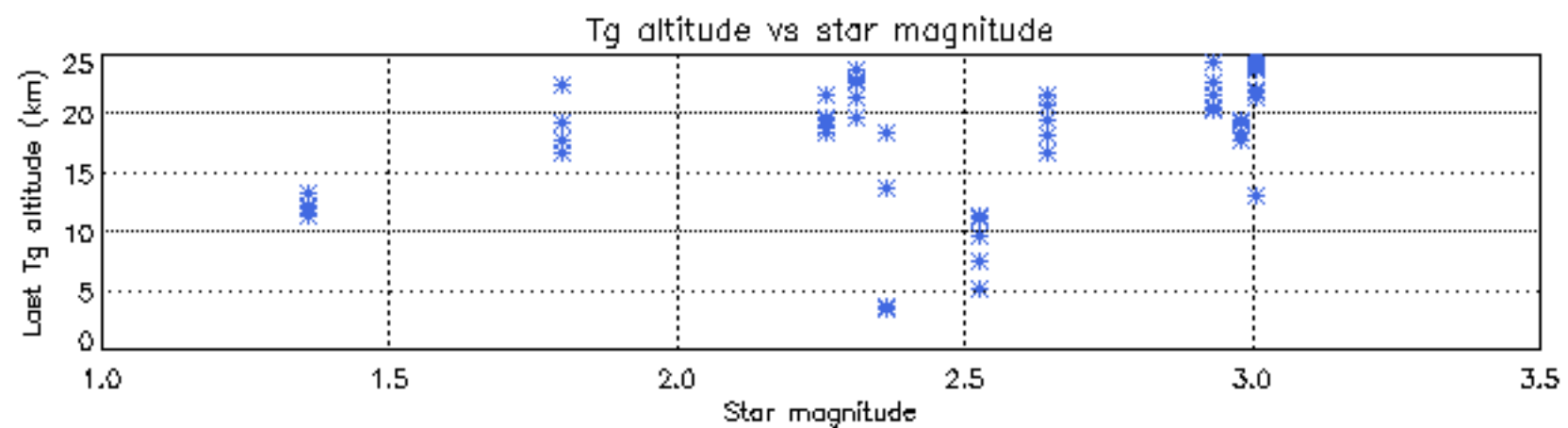
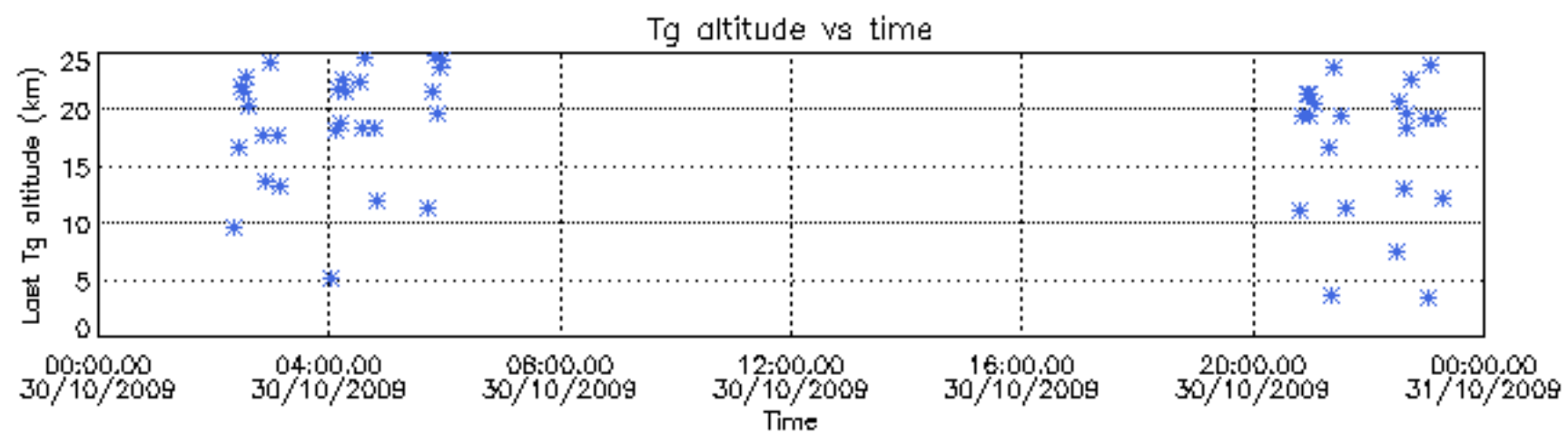
Percentage of saturation errors per profile

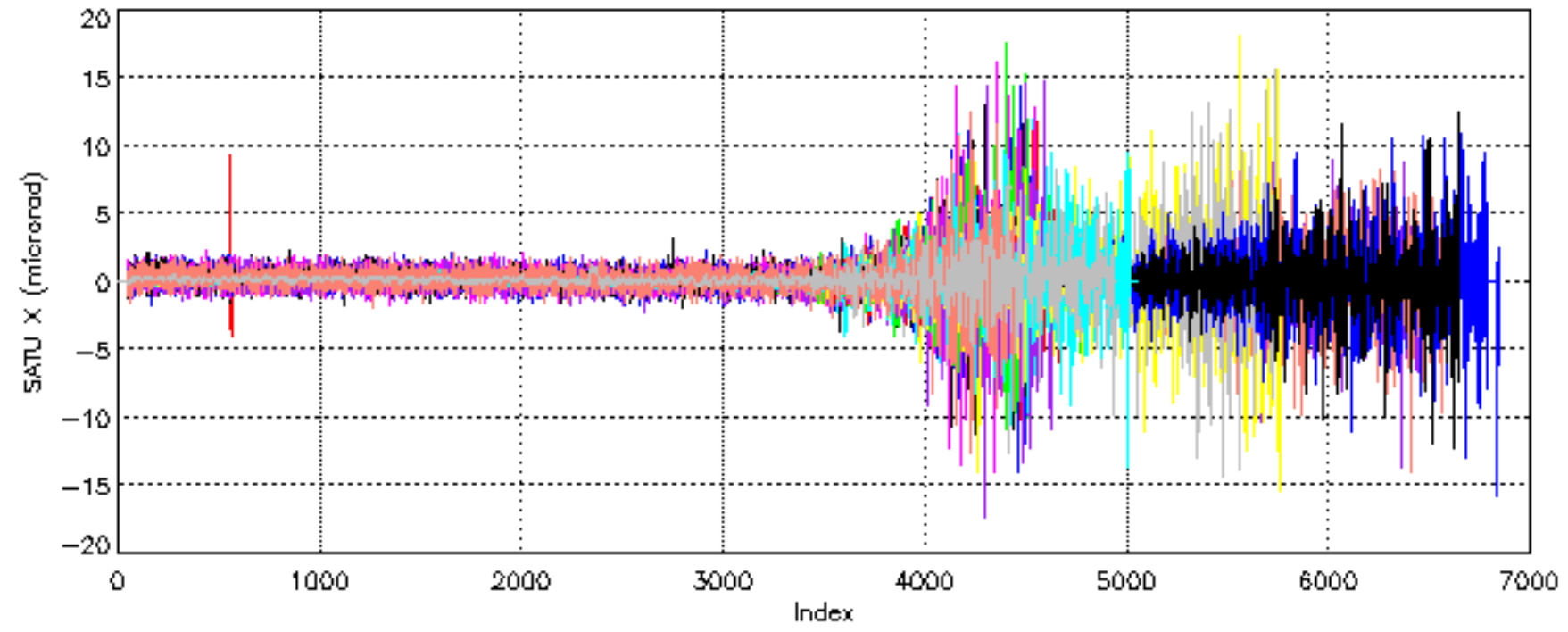


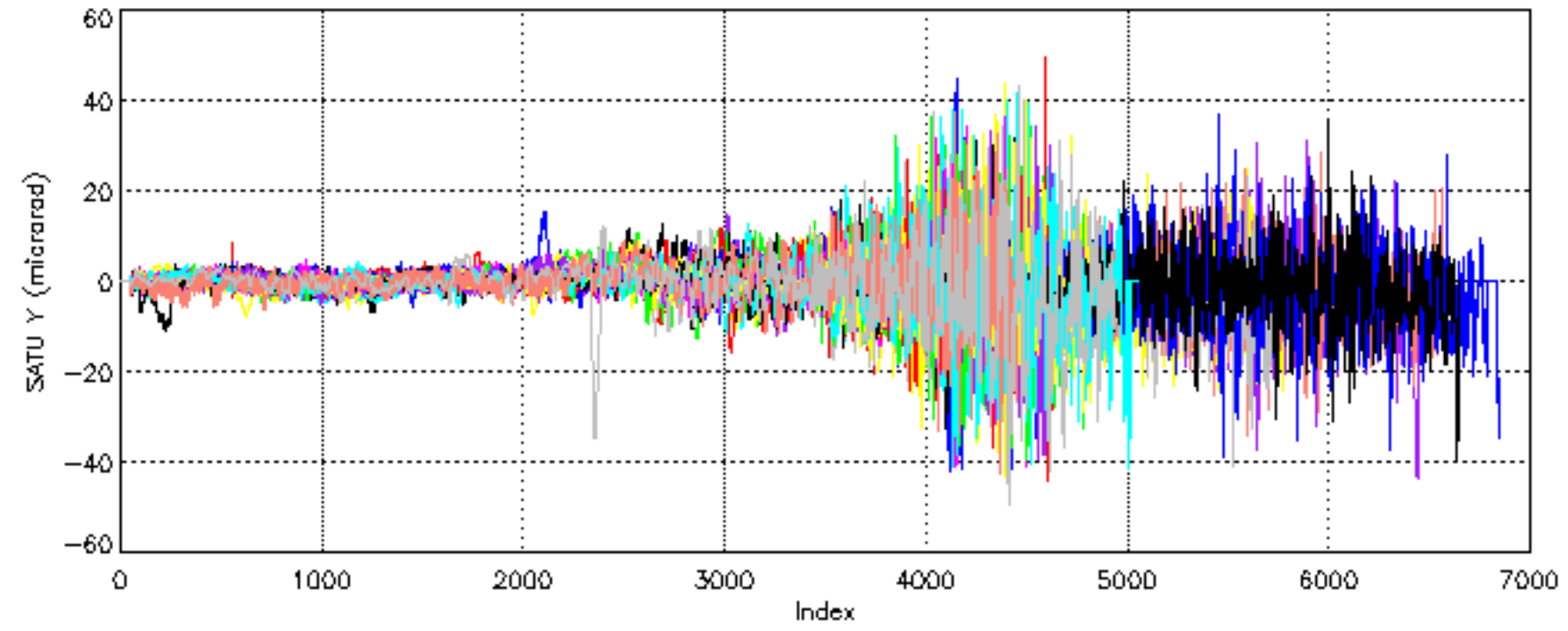
Tangent altitude at which the star is lost

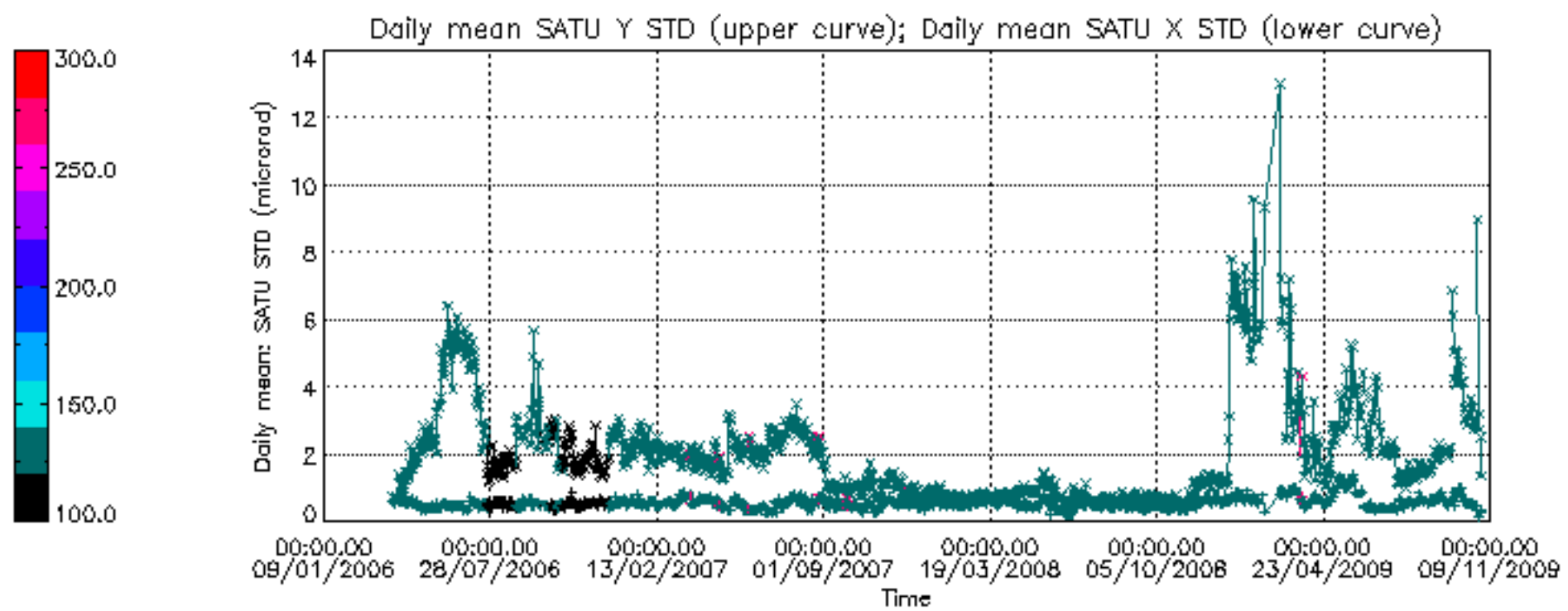


Tangent altitude at which the star is lost









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 5; 305.4; 01-OCT-2009 00:22:27; Dark ; 52.5; 108; Alp Col ; 2.65; 15200;occ; 105; 0;39664
 6; 915.5; 01-OCT-2009 00:32:37; Dark ; 40.5; 157; The1Eri ; 2.91; 9300;occ; 81; 0;39664
 7; 1557.3; 01-OCT-2009 00:43:19; Dark ; 34.0; 52; 16Bet Cet ; 2.04; 4500;occ; 68; 0;39664
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 9; 2434.7; 01-OCT-2009 00:57:57; Bright; 35.0; 58; 21Alp And ; 2.07; 11000;occ; 70; 0;39664
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 3; -126.7; 01-OCT-2009 01:55:51; Dark ; 44.5; 23; 21Eps CMA ; 1.50; 26000;occ; 89; 0;39664
 4; 98.5; 01-OCT-2009 01:59:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39665
 5; 306.9; 01-OCT-2009 02:03:05; Dark ; 52.0; 108; Alp Col ; 2.65; 15200;occ; 104; 0;39665
 6; 915.7; 01-OCT-2009 02:13:14; Dark ; 40.5; 157; The1Eri ; 2.91; 9300;occ; 81; 0;39665
 7; 1557.1; 01-OCT-2009 02:23:55; Dark ; 34.5; 52; 16Bet Cet ; 2.04; 4500;occ; 69; 0;39665
 8; 2184.6; 01-OCT-2009 02:34:22; Bright; 35.0; 140; 88Gam Peg ; 2.83; 26000;occ; 70; 0;39665
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 6; 917.1; 01-OCT-2009 03:53:51; Dark ; 40.5; 157; The1Eri ; 2.91; 9300;occ; 81; 0;39666
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11; 2944.9; 01-OCT-2009 04:27:39; Bright; 34.5; 68; 18Alp Cas ; 2.22; 4500;occ; 69; 0;39666
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11; 2944.1; 01-OCT-2009 06:08:14; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;39667
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5; 2942.4; 01-OCT-2009 14:31:12; Bright; 34.5; 68; 18Alp Cas ; 2.22; 4500;occ; 69; 0;39672
6; 3028.5; 01-OCT-2009 14:32:38; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;39672
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2; 110.8; 25-OCT-2009 07:47:37; Dark ; 6.0; 34; Gam2Vel ; 1.79; 23000;occ; 12; 0;40012
3; 257.6; 25-OCT-2009 07:50:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40012
4; 448.1; 25-OCT-2009 07:53:14; Dark ; 6.0; 2; Alp Car ;-0.74; 7000;occ; 12; 0;40012
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2; 2574.2; 25-OCT-2009 08:28:40; Bright; 42.0; 173; 4Bet Tri ; 3.00; 8900;occ; 84; 0;40012
3; 2693.6; 25-OCT-2009 08:30:39; Bright; 12.0; 73; 57Gam1And ; 2.26; 13100;occ; 24; 0;40012
4; 6484.7; 25-OCT-2009 09:33:50; Dark ; 16.0; 2; Alp Car ;-0.74; 7000;occ; 32; 0;40012
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2; 2573.8; 25-OCT-2009 10:09:15; Bright; 40.5; 173; 4Bet Tri ; 3.00; 8900;occ; 81; 0;40013
3; 2693.0; 25-OCT-2009 10:11:15; Bright; 42.5; 73; 57Gam1And ; 2.26; 13100;occ; 85; 0;40013
4; 6485.7; 25-OCT-2009 11:14:27; Dark ; 49.5; 2; Alp Car ;-0.74; 7000;occ; 99; 0;40013
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2; 2573.4; 25-OCT-2009 11:49:51; Bright; 39.0; 173; 4Bet Tri ; 3.00; 8900;occ; 78; 0;40014
3; 2693.0; 25-OCT-2009 11:51:51; Bright; 42.0; 73; 57Gam1And ; 2.26; 13100;occ; 84; 0;40014
4; 6149.4; 25-OCT-2009 12:49:27; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;40014
5; 6296.2; 25-OCT-2009 12:51:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40014
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2; 2573.1; 25-OCT-2009 13:30:26; Bright; 42.0; 173; 4Bet Tri ; 3.00; 8900;occ; 84; 0;40015
3; 2692.5; 25-OCT-2009 13:32:26; Bright; 39.0; 73; 57Gam1And ; 2.26; 13100;occ; 78; 0;40015
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2; 2572.6; 25-OCT-2009 15:11:02; Bright; 41.0; 173; 4Bet Tri ; 3.00; 8900;occ; 82; 0;40016
3; 2692.3; 25-OCT-2009 15:13:02; Bright; 42.5; 73; 57Gam1And ; 2.26; 13100;occ; 85; 0;40016
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2; 2569.4; 26-OCT-2009 04:35:46; Bright; 42.0; 173; 4Bet Tri ; 3.00; 8900;occ; 84; 0;40024
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2; 2568.9; 26-OCT-2009 06:16:22; Bright; 2.0; 173; 4Bet Tri ; 3.00; 8900;occ; 4; 0;40025
3; 2688.2; 26-OCT-2009 06:18:21; Bright; 3.5; 73; 57Gam1And ; 2.26; 13100;occ; 7; 0;40025
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2; 123.6; 26-OCT-2009 07:16:12; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40026
3; 270.7; 26-OCT-2009 07:18:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40026
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3; 6162.6; 26-OCT-2009 12:18:03; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40028
4; 6309.4; 26-OCT-2009 12:20:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40028
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3; 5407.6; 26-OCT-2009 13:46:04; Dark ; 19.5; 48; 30Alp Hya ; 1.98; 4100;occ; 39; 0;40029
4; 6163.3; 26-OCT-2009 13:58:40; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40029
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3; 4894.8; 26-OCT-2009 15:18:07; Bright; 43.5; 22; 32Alp Leo ; 1.36; 15200;occ; 87; 0;40030
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3; 6313.3; 26-OCT-2009 19:02:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40032
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2; 2681.2; 27-OCT-2009 15:50:12; Bright; 41.5; 73; 57Gam1And ; 2.26; 13100;occ; 83; 0;40045
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