

GOMOS Daily Report 21-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	24OCT2009 04:36:38
Data source version	GOMOS/5.00L03
Start time of products	21OCT2009 00:06:38
Stop time of products	21OCT2009 23:55:32
Store outputs in DB	Yes
Nb of level 1b prods	73
Nb of prods with errors	0

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

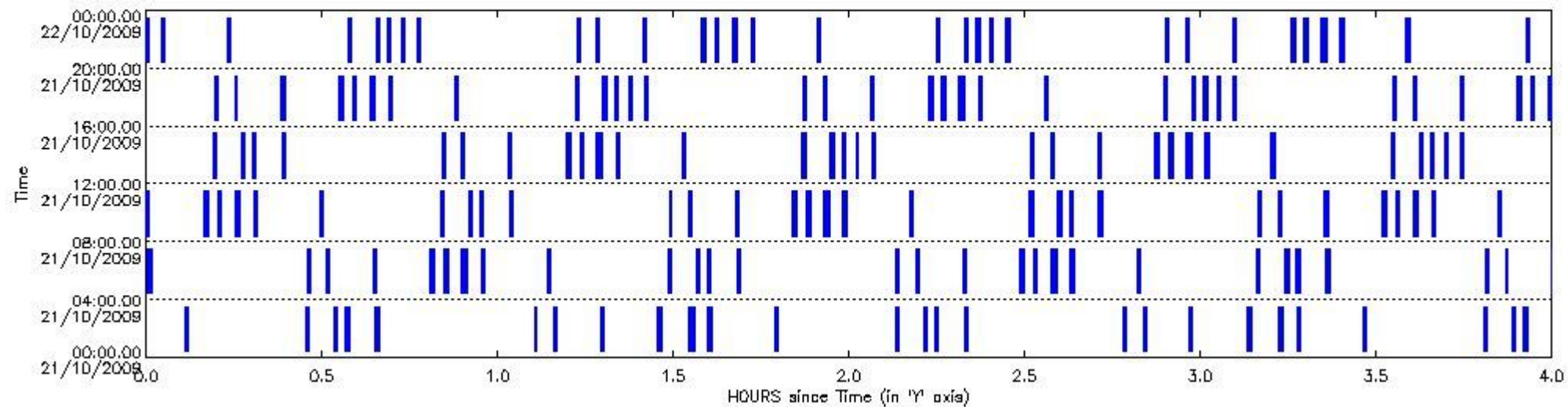
2.1 Level 0 products arrived in PCF (see template [here](#))

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.

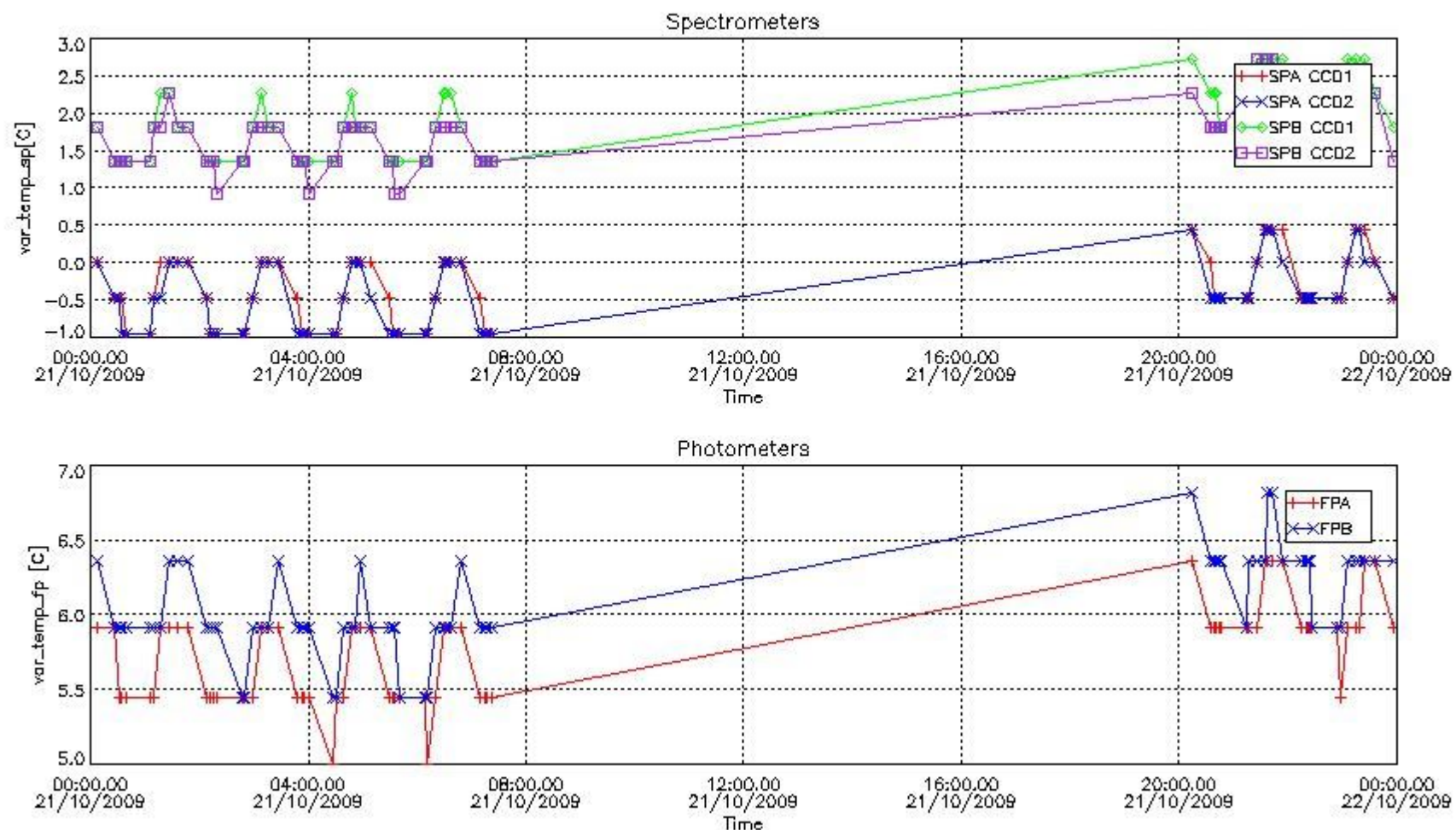
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20091021_000638_000000332083_00317_39950_1510.N1	21-OCT-2009 00:06:38	Straylight	33.000	157	The1Eri	2.9060	9300.0	66	39950	No
2	GOM_TRA_1PNPDE20091021_002713_000000372083_00317_39950_1511.N1	21-OCT-2009 00:27:13	Bright	37.000	105	6Bet Ari	2.6450	8900.0	74	39950	No
3	GOM_TRA_1PNPDE20091021_003203_000000382083_00317_39950_1512.N1	21-OCT-2009 00:32:03	Bright	38.000	173	4Bet Tri	3.0040	8900.0	76	39950	No
4	GOM_TRA_1PNPDE20091021_003400_000000372083_00317_39950_1513.N1	21-OCT-2009 00:34:00	Bright	36.500	73	57Gam1And	2.2600	13100.	73	39950	No
5	GOM_TRA_1PNPDE20091021_003906_000000382083_00317_39950_1514.N1	21-OCT-2009 00:39:06	Bright	38.000	160	23Gam Per	2.9300	4700.0	76	39950	No
6	GOM_TRA_1PNPDE20091021_010613_000000312083_00317_39950_1515.N1	21-OCT-2009 01:06:13	Twilight_stray	30.500	166	17Eps Leo	2.9800	6000.0	61	39950	No
7	GOM_TRA_1PNPDE20091021_010936_000000292083_00317_39950_1516.N1	21-OCT-2009 01:09:36	Twilight_stray	29.000	22	32Alp Leo	1.3600	15200.	58	39950	No
8	GOM_TRA_1PNPDE20091021_011730_000000362083_00317_39950_1513.N1	21-OCT-2009 01:17:30	Dark	36.000	48	30Alp Hya	1.9770	4100.0	72	39950	No
9	GOM_TRA_1PNPDE20091021_012712_000000482083_00317_39950_1514.N1	21-OCT-2009 01:27:12	Dark	48.000	132	15Rho Pup	2.8030	6900.0	96	39950	No
10	GOM_TRA_1PNPDE20091021_013553_000000372083_00318_39951_1515.N1	21-OCT-2009 01:35:53	Dark	36.500	2	Alp Car	-0.73600	7000.0	73	39951	No
11	GOM_TRA_1PNPDE20091021_014714_000000342083_00318_39951_1516.N1	21-OCT-2009 01:47:14	Straylight	33.500	157	The1Eri	2.9060	9300.0	67	39951	No
12	GOM_TRA_1PNPDE20091021_020749_000000372083_00318_39951_1517.N1	21-OCT-2009 02:07:49	Bright	36.500	105	6Bet Ari	2.6450	8900.0	73	39951	No

13	GOM_TRA_1PNPDE20091021_021239_000000382083_00318_39951_1518.N1	21-OCT-2009 02:12:39	Bright	37.500	173	4Bet Tri	3.0040	8900.0	75	39951	No
14	GOM_TRA_1PNPDE20091021_021435_000000372083_00318_39951_1519.N1	21-OCT-2009 02:14:35	Bright	36.500	73	57Gam1And	2.2600	13100.	73	39951	No
15	GOM_TRA_1PNPDE20091021_021941_000000382083_00318_39951_1520.N1	21-OCT-2009 02:19:41	Bright	38.000	160	23Gam Per	2.9300	4700.0	76	39951	No
16	GOM_TRA_1PNPDE20091021_024649_000000312083_00318_39951_1523.N1	21-OCT-2009 02:46:49	Tw_i_and_stray	30.500	166	17Eps Leo	2.9800	6000.0	61	39951	No
17	GOM_TRA_1PNPDE20091021_025013_000000292083_00318_39951_1524.N1	21-OCT-2009 02:50:13	Tw_i_and_stray	29.000	22	32Alp Leo	1.3600	15200.	58	39951	No
18	GOM_TRA_1PNPDE20091021_025807_000000362083_00318_39951_1525.N1	21-OCT-2009 02:58:07	Dark	35.500	48	30Alp Hya	1.9770	4100.0	71	39951	No
19	GOM_TRA_1PNPDE20091021_030749_000000492083_00318_39951_1526.N1	21-OCT-2009 03:07:49	Dark	48.500	132	15Rho Pup	2.8030	6900.0	97	39951	No
20	GOM_TRA_1PNPDE20091021_031630_000000372083_00319_39952_1527.N1	21-OCT-2009 03:16:30	Dark	36.500	2	Alp Car	-0.73600	7000.0	73	39952	No
21	GOM_TRA_1PNPDE20091021_032751_000000342083_00319_39952_1528.N1	21-OCT-2009 03:27:51	Straylight	33.500	157	The1Eri	2.9060	9300.0	67	39952	No
22	GOM_TRA_1PNPDE20091021_034825_000000372083_00319_39952_1529.N1	21-OCT-2009 03:48:25	Bright	37.000	105	6Bet Ari	2.6450	8900.0	74	39952	No
23	GOM_TRA_1PNPDE20091021_035314_000000392083_00319_39952_1530.N1	21-OCT-2009 03:53:14	Bright	38.500	173	4Bet Tri	3.0040	8900.0	77	39952	No
24	GOM_TRA_1PNPDE20091021_035511_000000372083_00319_39952_1531.N1	21-OCT-2009 03:55:11	Bright	37.000	73	57Gam1And	2.2600	13100.	74	39952	No
25	GOM_TRA_1PNPDE20091021_040017_000000382083_00319_39952_1532.N1	21-OCT-2009 04:00:17	Bright	38.000	160	23Gam Per	2.9300	4700.0	76	39952	No
26	GOM_TRA_1PNPDE20091021_042725_000000312083_00319_39952_1530.N1	21-OCT-2009 04:27:25	Tw_i_and_stray	31.000	166	17Eps Leo	2.9800	6000.0	62	39952	No
27	GOM_TRA_1PNPDE20091021_043049_000000302083_00319_39952_1531.N1	21-OCT-2009 04:30:49	Tw_i_and_stray	29.500	22	32Alp Leo	1.3600	15200.	59	39952	No
28	GOM_TRA_1PNPDE20091021_043843_000000372083_00319_39952_1532.N1	21-OCT-2009 04:38:43	Dark	36.500	48	30Alp Hya	1.9770	4100.0	73	39952	No
29	GOM_TRA_1PNPDE20091021_044827_000000502083_00319_39952_1533.N1	21-OCT-2009 04:48:27	Dark	49.500	132	15Rho Pup	2.8030	6900.0	99	39952	No
30	GOM_TRA_1PNPDE20091021_045053_000000402083_00320_39953_1534.N1	21-OCT-2009 04:50:53	Dark	39.500	70	Zet Pup	2.2460	39000.	79	39953	No
31	GOM_TRA_1PNPDE20091021_045707_000000372083_00320_39953_1535.N1	21-OCT-2009 04:57:07	Dark	37.000	2	Alp Car	-0.73600	7000.0	74	39953	No
32	GOM_TRA_1PNPDE20091021_050827_000000342083_00320_39953_1536.N1	21-OCT-2009 05:08:27	Straylight	34.000	157	The1Eri	2.9060	9300.0	68	39953	No
33	GOM_TRA_1PNPDE20091021_052901_000000372083_00320_39953_1537.N1	21-OCT-2009 05:29:01	Bright	37.000	105	6Bet Ari	2.6450	8900.0	74	39953	No
34	GOM_TRA_1PNPDE20091021_053350_000000382083_00320_39953_1538.N1	21-OCT-2009 05:33:50	Bright	38.000	173	4Bet Tri	3.0040	8900.0	76	39953	No
35	GOM_TRA_1PNPDE20091021_053547_000000372083_00320_39953_1539.N1	21-OCT-2009 05:35:47	Bright	37.000	73	57Gam1And	2.2600	13100.	74	39953	No
36	GOM_TRA_1PNPDE20091021_054052_000000382083_00320_39953_1540.N1	21-OCT-2009 05:40:52	Bright	38.000	160	23Gam Per	2.9300	4700.0	76	39953	No
37	GOM_TRA_1PNPDE20091021_060801_000000312083_00320_39953_1537.N1	21-OCT-2009 06:08:01	Tw_i_and_stray	31.000	166	17Eps Leo	2.9800	6000.0	62	39953	No
38	GOM_TRA_1PNPDE20091021_061126_000000302083_00320_39953_1538.N1	21-OCT-2009 06:11:26	Bright	30.000	22	32Alp Leo	1.3600	15200.	60	39953	No
39	GOM_TRA_1PNPDE20091021_061920_000000372083_00320_39953_1539.N1	21-OCT-2009 06:19:20	Dark	36.500	48	30Alp Hya	1.9770	4100.0	73	39953	No
40	GOM_TRA_1PNPDE20091021_062904_000000512083_00320_39953_1540.N1	21-OCT-2009 06:29:04	Dark	50.500	132	15Rho Pup	2.8030	6900.0	101	39953	No
41	GOM_TRA_1PNPDE20091021_063130_000000402083_00321_39954_1541.N1	21-OCT-2009 06:31:30	Dark	40.000	70	Zet Pup	2.2460	39000.	80	39954	No
42	GOM_TRA_1PNPDE20091021_063744_000000382083_00321_39954_1542.N1	21-OCT-2009 06:37:44	Dark	37.500	2	Alp Car	-0.73600	7000.0	75	39954	No
43	GOM_TRA_1PNPDE20091021_064903_000000352083_00321_39954_1543.N1	21-OCT-2009 06:49:03	Straylight	34.500	157	The1Eri	2.9060	9300.0	69	39954	No
44	GOM_TRA_1PNPDE20091021_070936_000000372083_00321_39954_1544.N1	21-OCT-2009 07:09:36	Bright	37.000	105	6Bet Ari	2.6450	8900.0	74	39954	No
45	GOM_TRA_1PNPDE20091021_071425_000000392083_00321_39954_1545.N1	21-OCT-2009 07:14:25	Bright	39.000	173	4Bet Tri	3.0040	8900.0	78	39954	No
46	GOM_TRA_1PNPDE20091021_071622_000000372083_00321_39954_1546.N1	21-OCT-2009 07:16:22	Bright	37.000	73	57Gam1And	2.2600	13100.	74	39954	No
47	GOM_TRA_1PNPDE20091021_072127_000000382083_00321_39954_1547.N1	21-OCT-2009 07:21:27	Bright	38.000	160	23Gam Per	2.9300	4700.0	76	39954	No
48	GOM_TRA_1PNPDE20091021_201355_000000342083_00329_39962_1594.N1	21-OCT-2009 20:13:55	Straylight	33.500	157	The1Eri	2.9060	9300.0	67	39962	No
49	GOM_TRA_1PNPDE20091021_203421_000000372083_00329_39962_1595.N1	21-OCT-2009 20:34:21	Bright	36.500	105	6Bet Ari	2.6450	8900.0	73	39962	No
50	GOM_TRA_1PNPDE20091021_203909_000000382083_00329_39962_1596.N1	21-OCT-2009 20:39:09	Bright	38.000	173	4Bet Tri	3.0040	8900.0	76	39962	No
51	GOM_TRA_1PNPDE20091021_204106_000000372083_00329_39962_1597.N1	21-OCT-2009 20:41:06	Bright	36.500	73	57Gam1And	2.2600	13100.	73	39962	No
52	GOM_TRA_1PNPDE20091021_204326_000000382083_00329_39962_1598.N1	21-OCT-2009 20:43:26	Bright	38.000	79	26Bet Per	2.3100	13100.	76	39962	No
53	GOM_TRA_1PNPDE20091021_204609_000000392083_00329_39962_1599.N1	21-OCT-2009 20:46:09	Bright	39.000	160	23Gam Per	2.9300	4700.0	78	39962	No
54	GOM_TRA_1PNPDE20091021_211327_000000322083_00329_39962_1600.N1	21-OCT-2009 21:13:27	Tw_i_and_stray	31.500	166	17Eps Leo	2.9800	6000.0	63	39962	No
55	GOM_TRA_1PNPDE20091021_211653_000000302083_00329_39962_1601.N1	21-OCT-2009 21:16:53	Bright	30.000	22	32Alp Leo	1.3600	15200.	60	39962	No
56	GOM_TRA_1PNPDE20091021_212451_000000372083_00329_39962_1598.N1	21-OCT-2009 21:24:51	Dark	37.000	48	30Alp Hya	1.9770	4100.0	74	39962	No
57	GOM_TRA_1PNPDE20091021_213441_000000512083_00329_39962_1599.N1	21-OCT-2009 21:34:41	Dark	50.500	132	15Rho Pup	2.8030	6900.0	101	39962	No
58	GOM_TRA_1PNPDE20091021_213702_000000402083_00330_39963_1600.N1	21-OCT-2009 21:37:02	Dark	40.000	70	Zet Pup	2.2460	39000.	80	39963	No
59	GOM_TRA_1PNPDE20091021_214314_000000372083_00330_39963_1601.N1	21-OCT-2009 21:43:14	Dark	37.000	2	Alp Car	-0.73600	7000.0	74	39963	No
60	GOM_TRA_1PNPDE20091021_215431_000000342083_00330_39963_1602.N1	21-OCT-2009 21:54:31	Straylight	33.500	157	The1Eri	2.9060	9300.0	67	39963	No
61	GOM_TRA_1PNPDE20091021_221456_000000372083_00330_39963_1603.N1	21-OCT-2009 22:14:56	Bright	36.500	105	6Bet Ari	2.6450	8900.0	73	39963	No
62	GOM_TRA_1PNPDE20091021_221944_000000382083_00330_39963_1604.N1	21-OCT-2009 22:19:44	Bright	38.000	173	4Bet Tri	3.0040	8900.0	76	39963	No
63	GOM_TRA_1PNPDE20091021_222141_000000372083_00330_39963_1605.N1	21-OCT-2009 22:21:41	Bright	37.000	73	57Gam1And	2.2600	13100.	74	39963	No
64	GOM_TRA_1PNPDE20091021_222401_000000382083_00330_39963_1606.N1	21-OCT-2009 22:24:01	Bright	38.000	79	26Bet Per	2.3100	13100.	76	39963	No
65	GOM_TRA_1PNPDE20091021_222644_000000392083_00330_39963_1607.N1	21-OCT-2009 22:26:44	Bright	38.500	160	23Gam Per	2.9300	4700.0	77	39963	No
66	GOM_TRA_1PNPDE20091021_225404_000000312083_00330_39963_1608.N1	21-OCT-2009 22:54:04	Tw_i_and_stray	31.000	166	17Eps Leo	2.9800	6000.0	62	39963	No
67	GOM_TRA_1PNPDE20091021_225729_000000302083_00330_39963_1609.N1	21-OCT-2009 22:57:29	Bright	30.000	22	32Alp Leo	1.3600	15200.	60	39963	No
68	GOM_TRA_1PNPDE20091021_230528_000000372083_00330_39963_1604.N1	21-OCT-2009 23:05:28	Dark	37.000	48	30Alp Hya	1.9770	4100.0	74	39963	No
69	GOM_TRA_1PNPDE20091021_231519_000000512083_00330_39963_1605.N1	21-OCT-2009 23:15:19	Dark	50.500	132	15Rho Pup	2.8030	6900.0	101	39963	No
70	GOM_TRA_1PNPDE20091021_231740_000000402083_00331_39964_1606.N1	21-OCT-2009 23:17:40	Dark	39.500	70	Zet Pup	2.2460	39000.	79	39964	No
71	GOM_TRA_1PNPDE20091021_232351_000000382083_00331_39964_1607.N1	21-OCT-2009 23:23:51	Dark	37.500	2	Alp Car	-0.73600	7000.0	75	39964	No

72	GOM_TRA_1PNPDE20091021_233507_000000342083_00331_39964_1608.N1	21-OCT-2009 23:35:07	Straylight	34.000	157	The1Eri	2.9060	9300.0	68	39964	No
73	GOM_TRA_1PNPDE20091021_235532_000000372083_00331_39964_1609.N1	21-OCT-2009 23:55:32	Bright	36.500	105	6Bet Ari	2.6450	8900.0	73	39964	No

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



4. Overview of dark signal processing per product

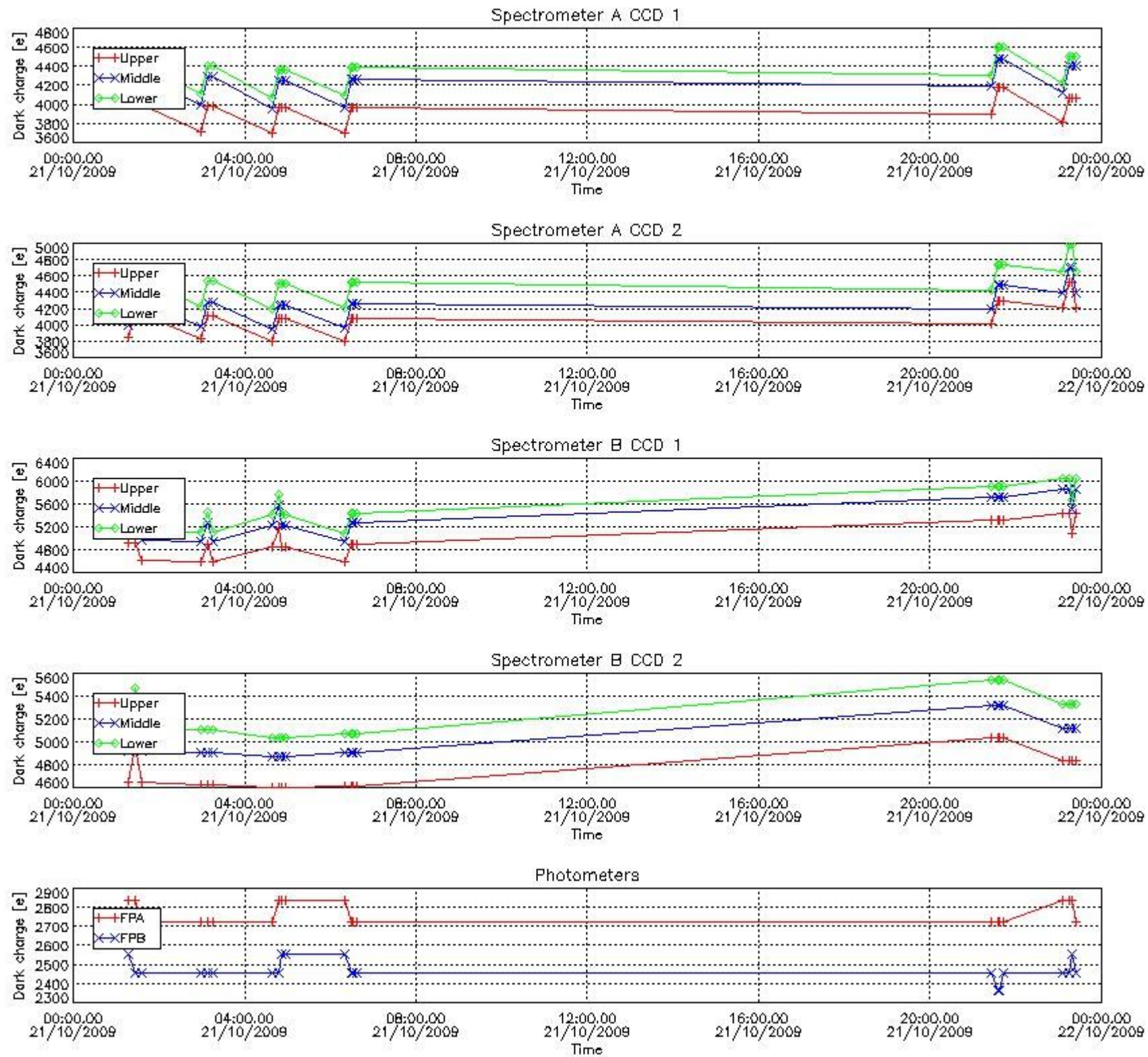
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20091021_201355_000000342083_00329_39962_1594.N1	DC map used
GOM_TRA_1PNPDE20091021_203421_000000372083_00329_39962_1595.N1	DC map used
GOM_TRA_1PNPDE20091021_203909_000000382083_00329_39962_1596.N1	DC map used
GOM_TRA_1PNPDE20091021_204106_000000372083_00329_39962_1597.N1	DC map used
GOM_TRA_1PNPDE20091021_204326_000000382083_00329_39962_1598.N1	DC map used
GOM_TRA_1PNPDE20091021_204609_000000392083_00329_39962_1599.N1	DC map used
GOM_TRA_1PNPDE20091021_211327_000000322083_00329_39962_1600.N1	DC map used
GOM_TRA_1PNPDE20091021_211653_000000302083_00329_39962_1601.N1	DC map used

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



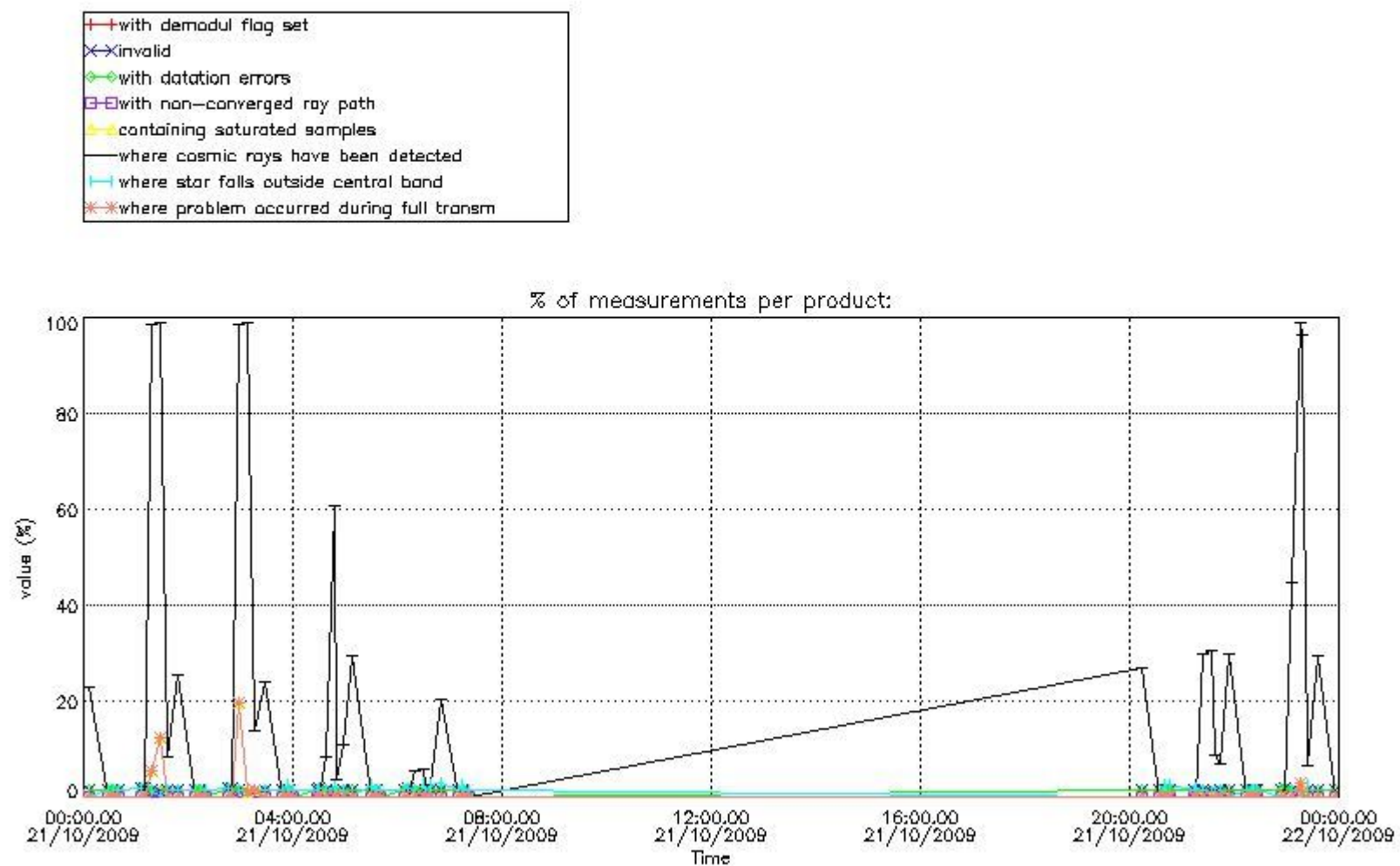
5. Demodulation flag and quality information monitoring

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.

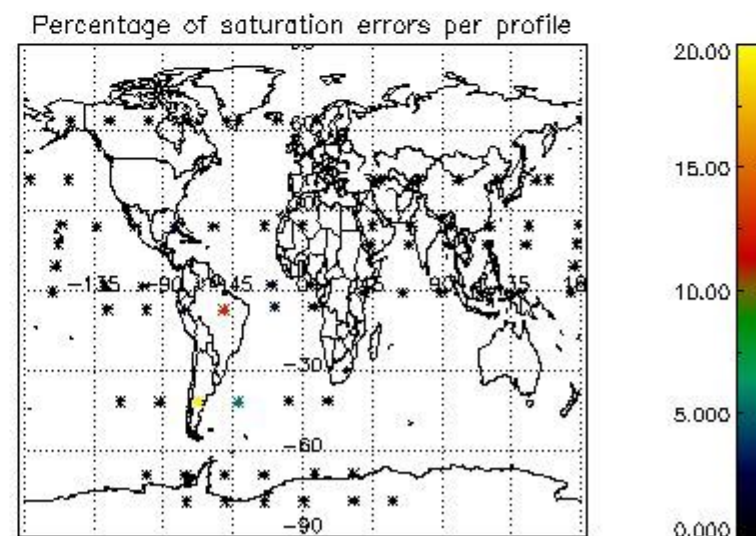
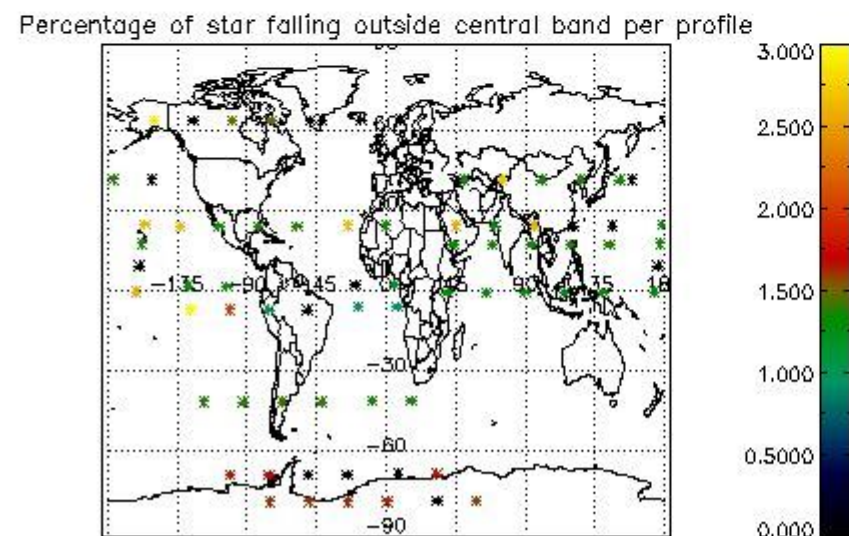
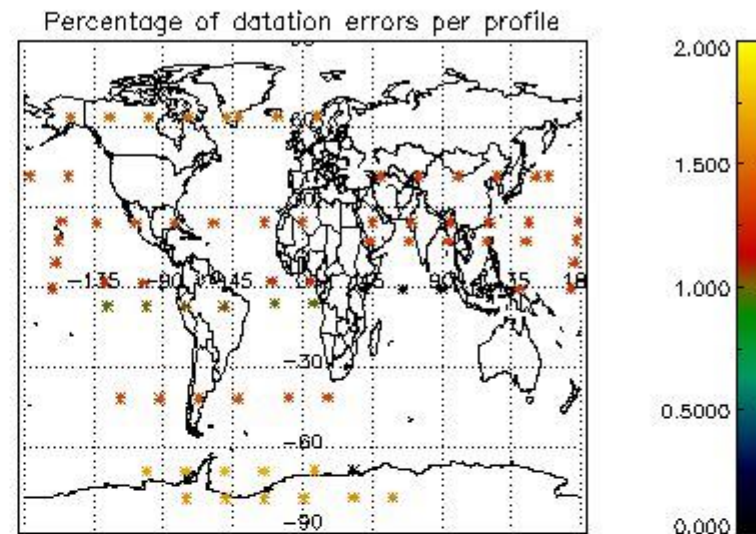
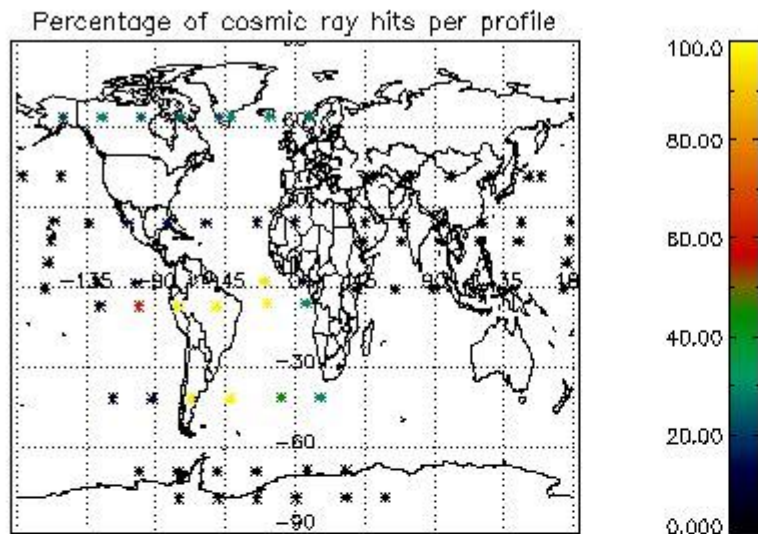
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	28.7671 %
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)



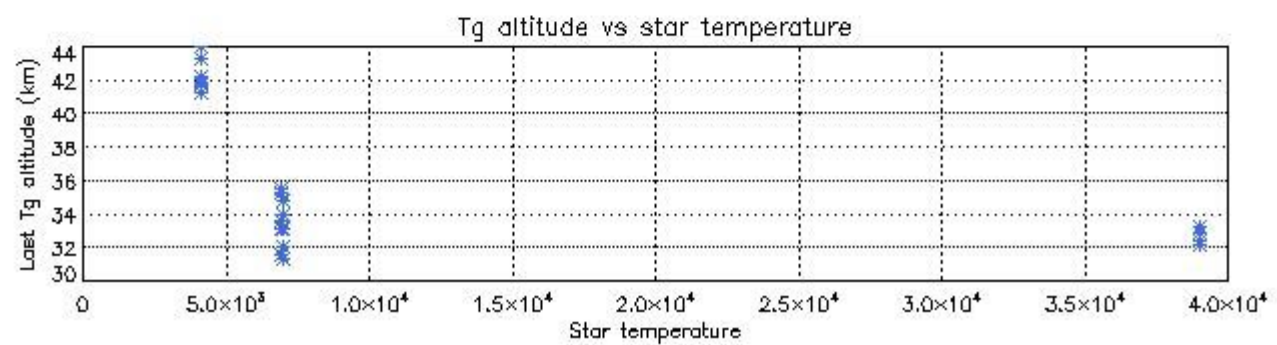
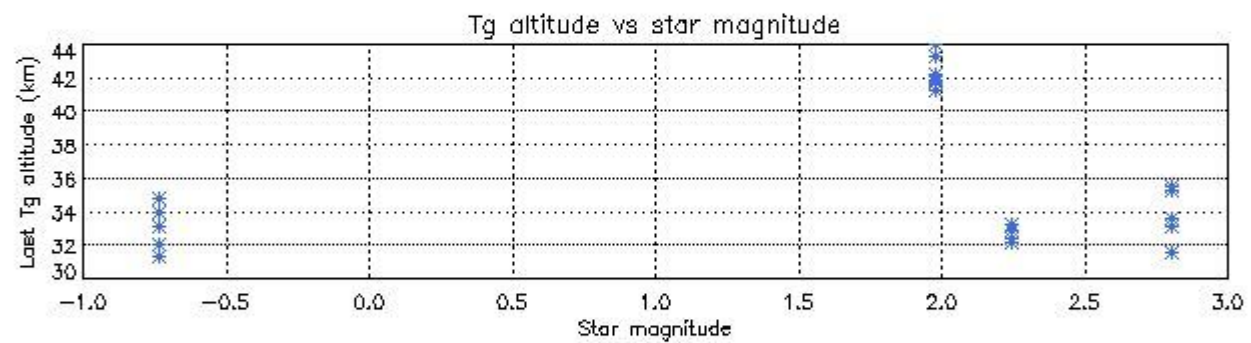
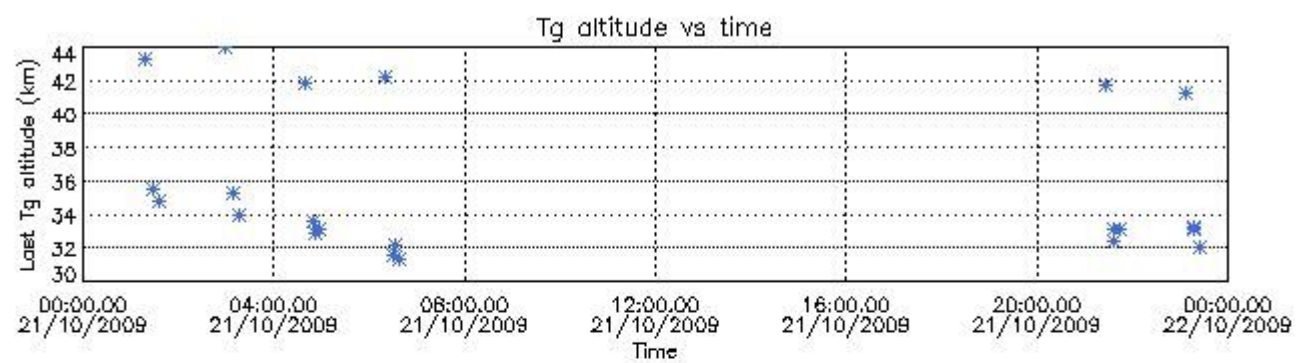
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	35.703	36.444	NaN
St. deviation:	4.3488	5.7349	NaN
Maximum:	43.968	50.591	NaN
Minimum:	31.310	31.591	NaN
Number of data:	22.000	34.000	NaN

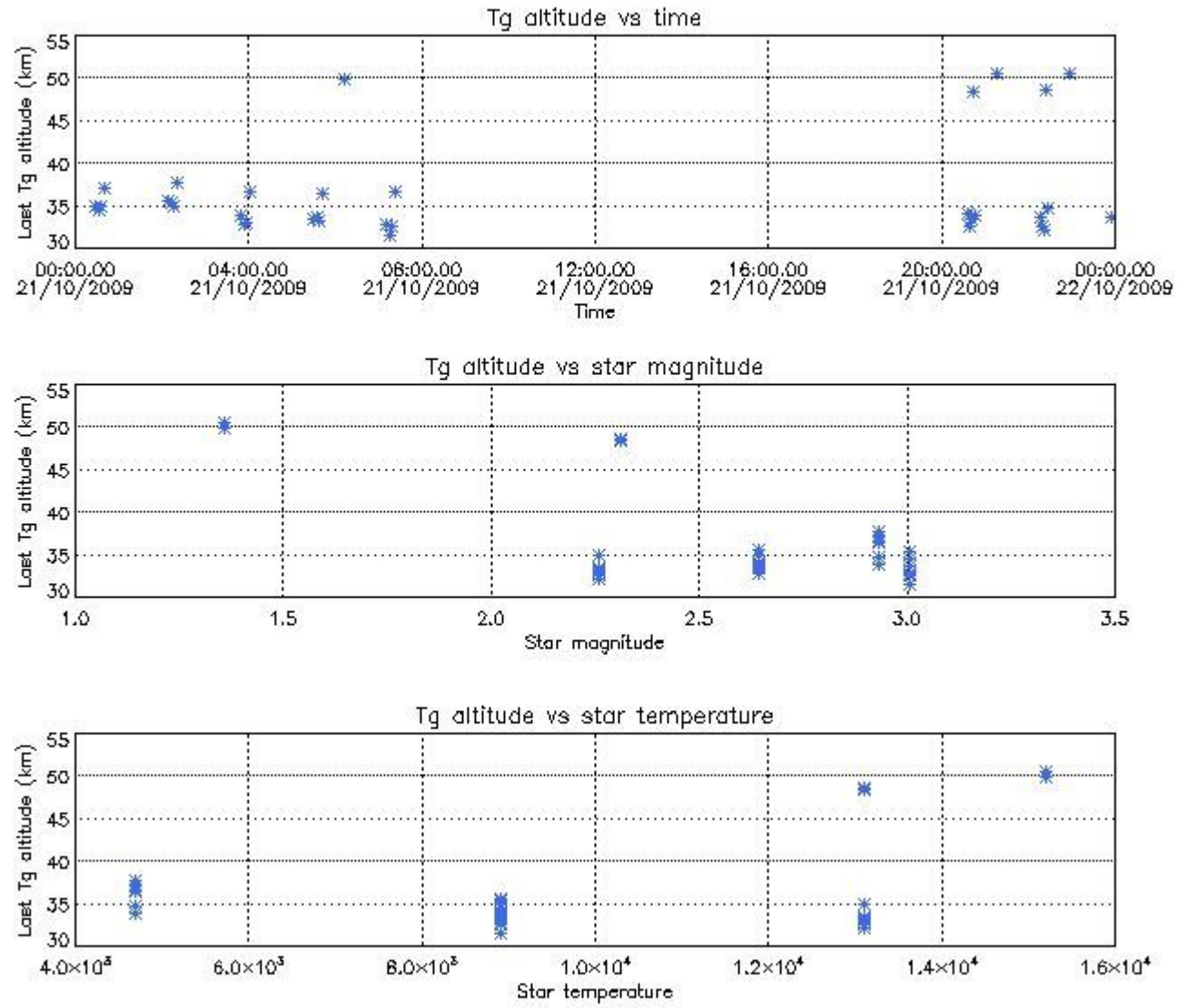
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

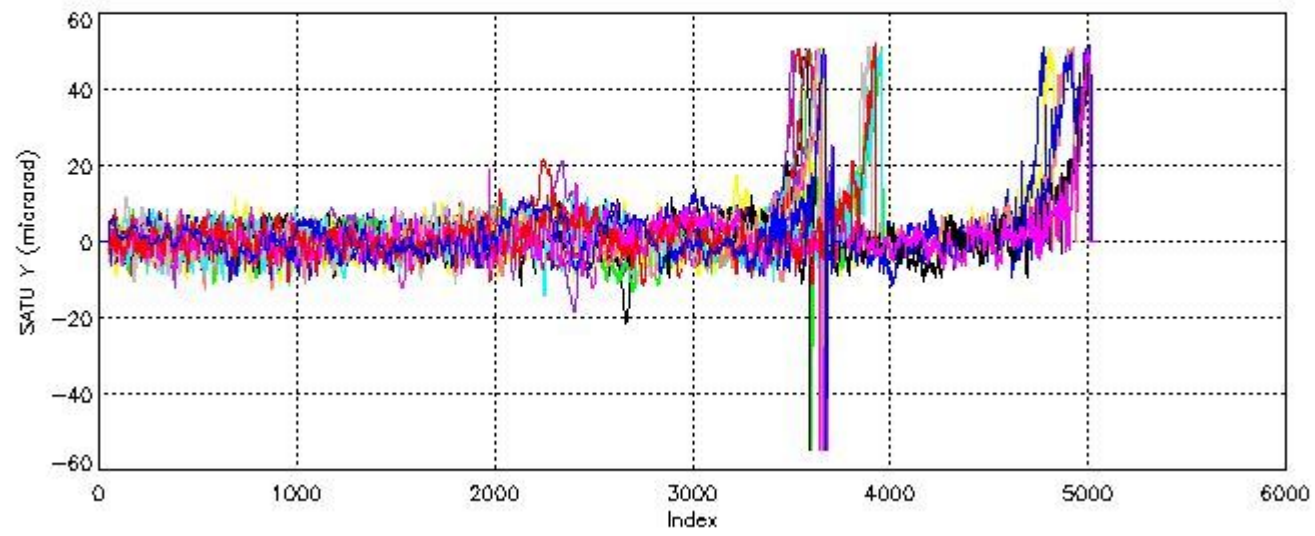
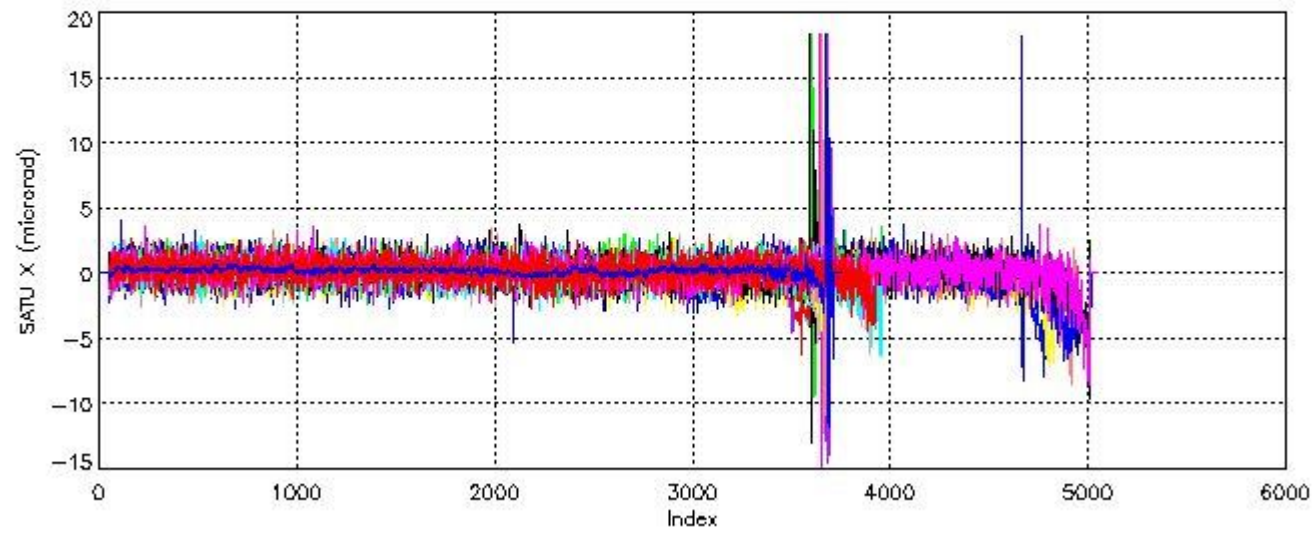


7. Star Acquisition and Tracking Unit (SATU)

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:	0.26665	0.0051695	0.27725	-0.14699
St. deviation:	0.48896	2.9469	0.95469	3.2159
Maximum:	4.1000	11.800	6.2000	14.600
Minimum:	-2.7000	-12.500	-5.6000	-15.300

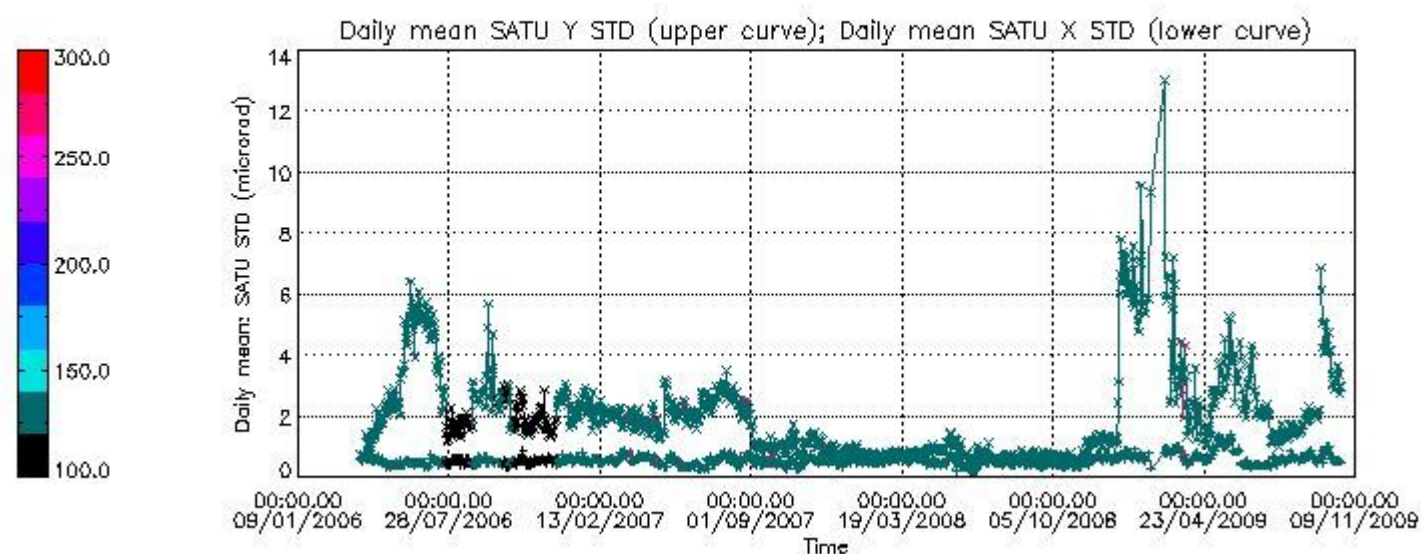
Number of data:	26150.	26150.	36400.	36400.
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

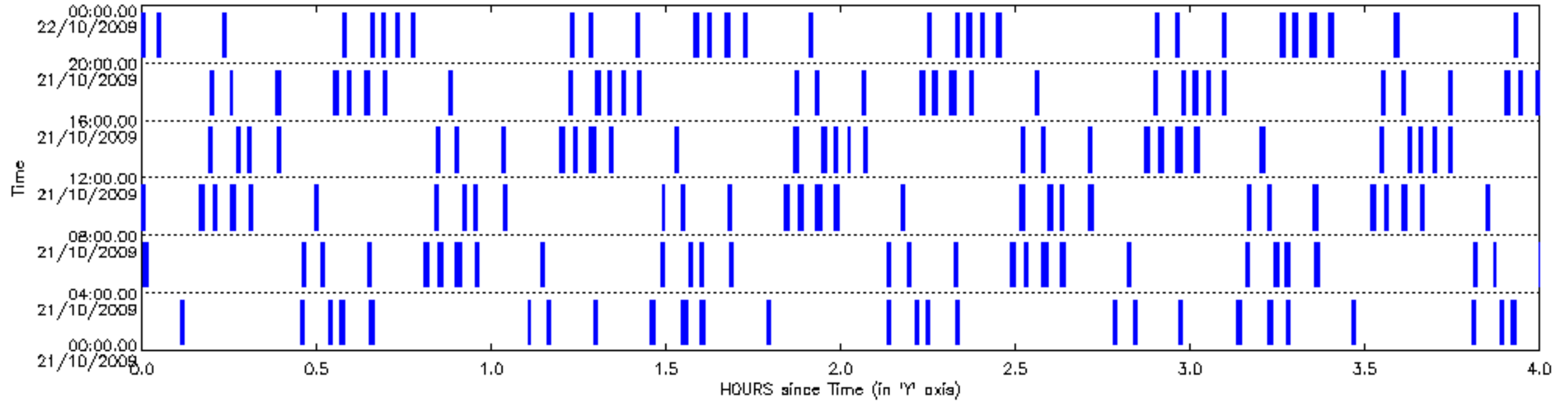
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

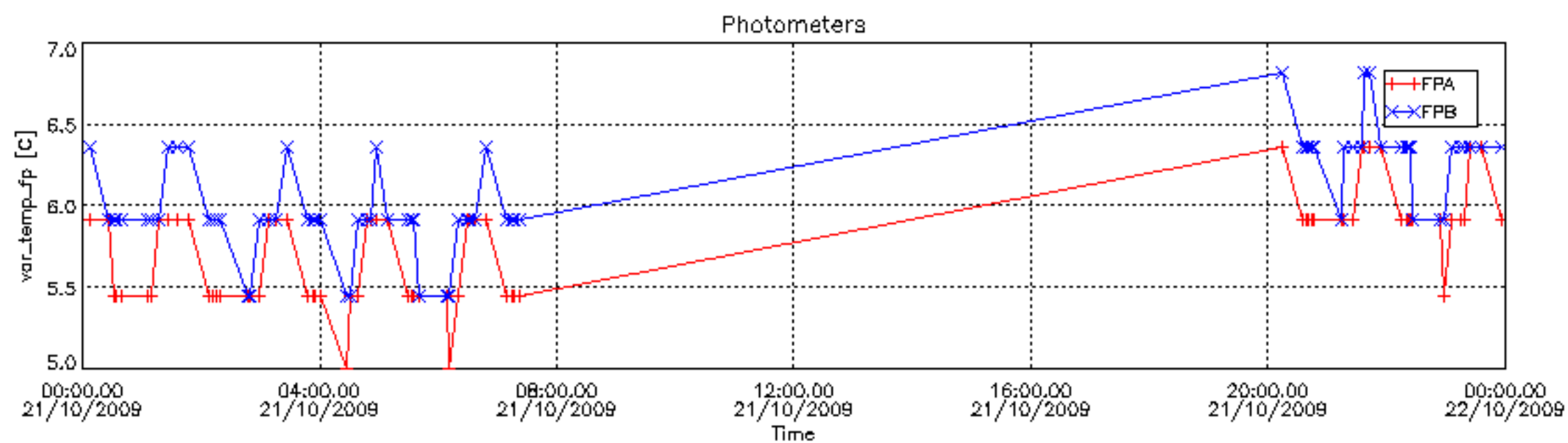
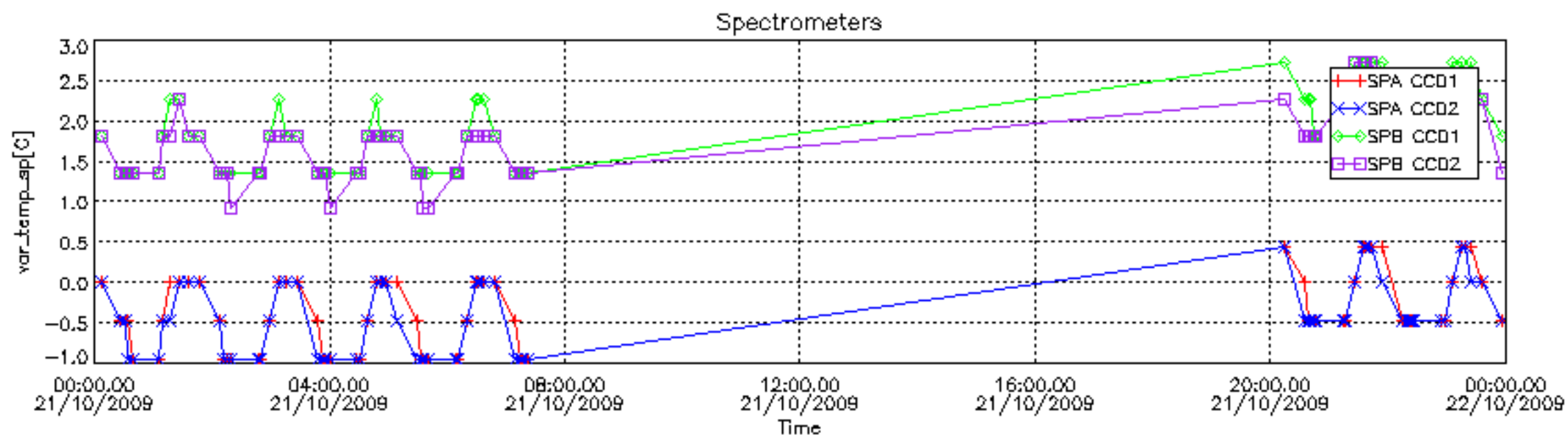


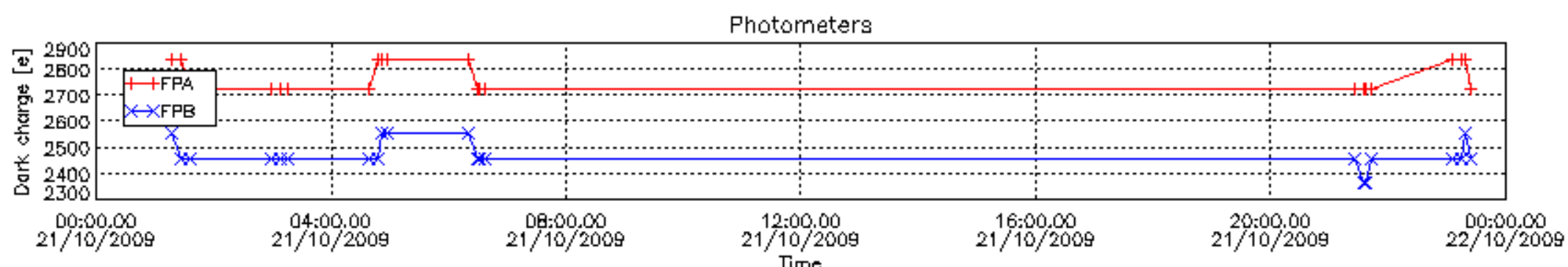
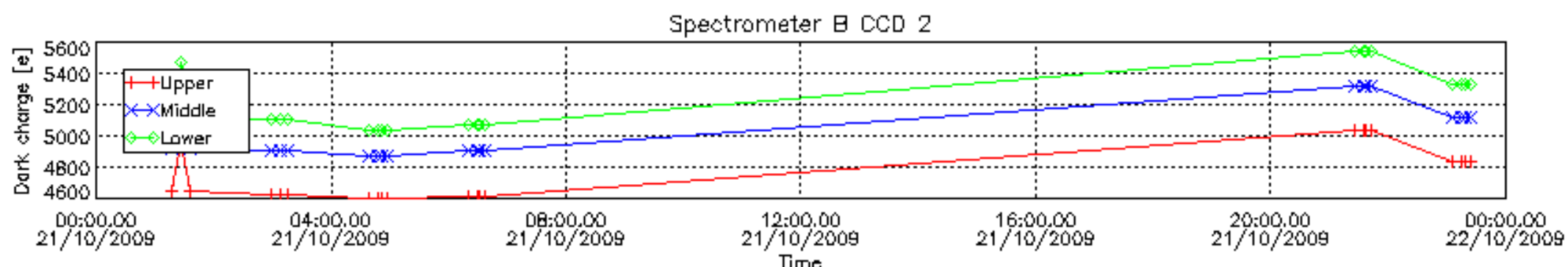
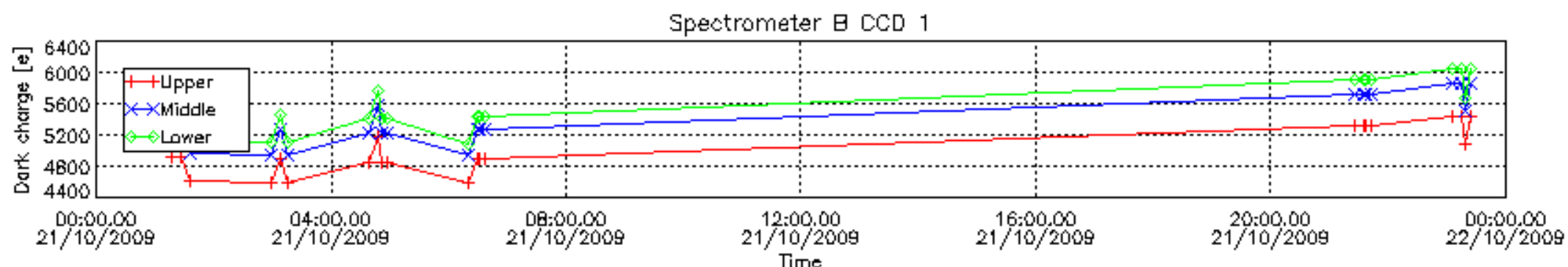
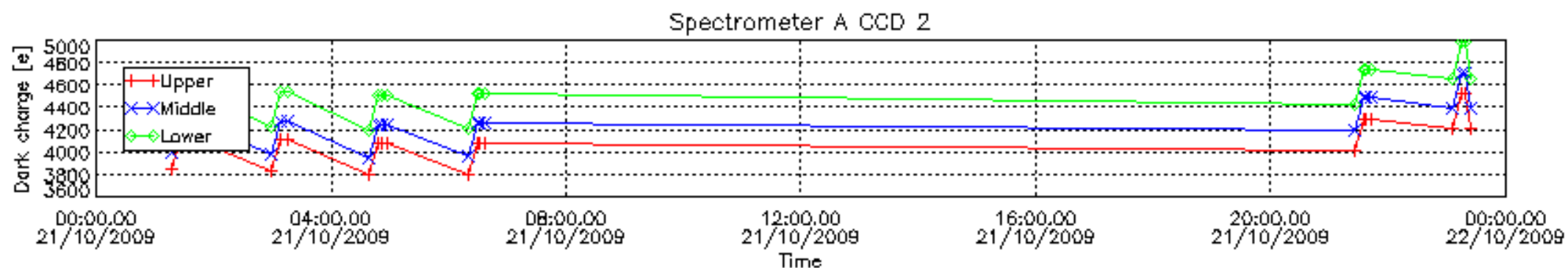
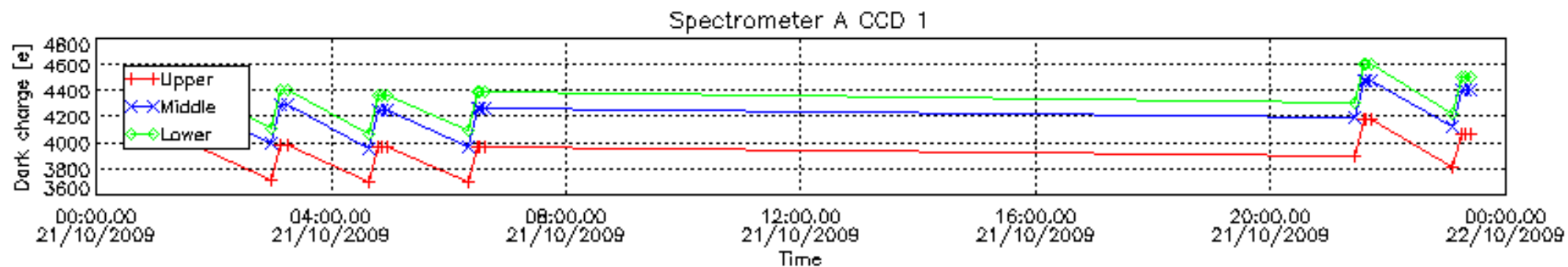
8. Auxiliary Data Files used for the production reported in section 2.4

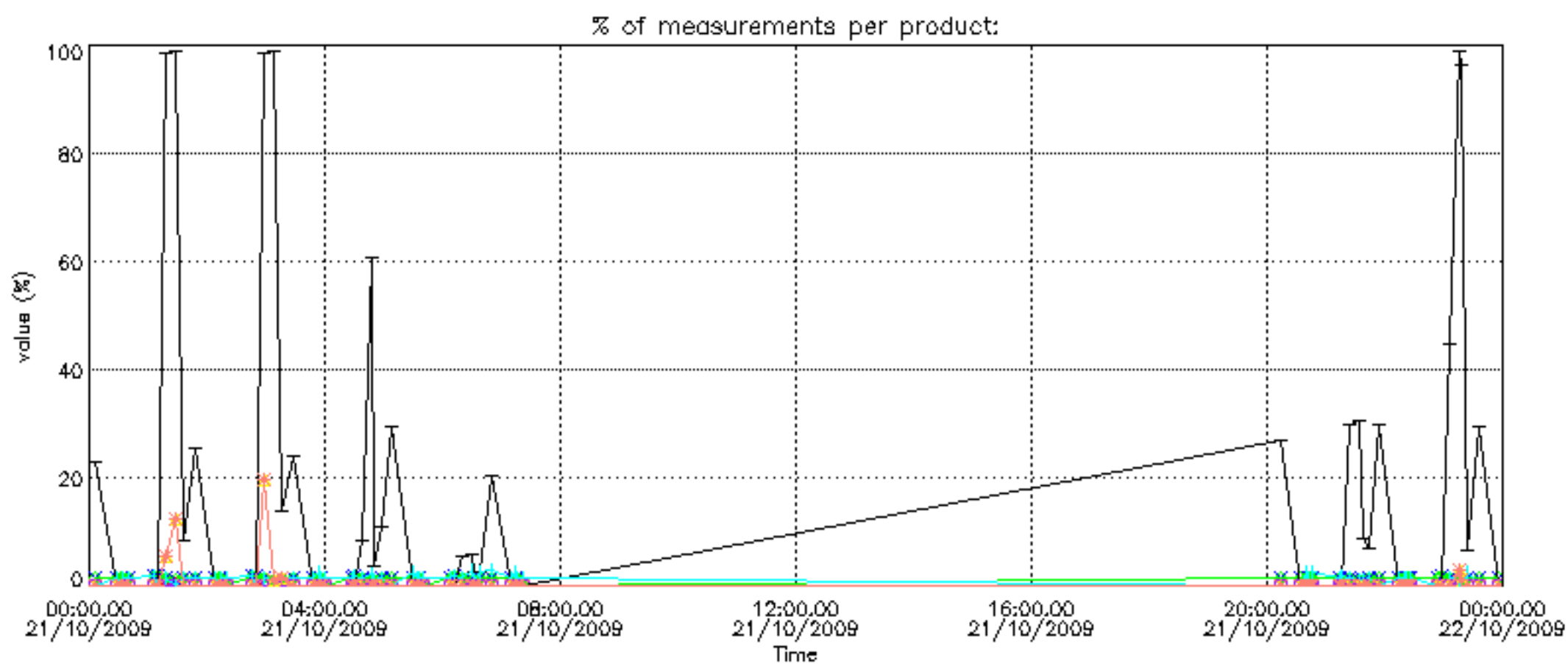
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

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CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091021_155237_20091019_000000_20100101_000000	48	21-OCT-2009 20:13:55
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	21-OCT-2009 00:06:38
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	21-OCT-2009 00:06:38
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	21-OCT-2009 00:06:38
ECMWF_FILE	AUX_ECF_AXNECM20091020_131626_20091020_210000_20091021_090000	1	21-OCT-2009 00:06:38
ECMWF_FILE	AUX_ECF_AXNECM20091020_183630_20091021_030000_20091021_150000	26	21-OCT-2009 04:27:25
ECMWF_FILE	AUX_ECF_AXNECM20091021_134045_20091021_150000_20091022_030000	48	21-OCT-2009 20:13:55
ECMWF_FILE	AUX_ECF_AXNECM20091021_134048_20091021_210000_20091022_090000	56	21-OCT-2009 21:24:51
OPTIONAL_ECMWF_FILE	MISSING	1	21-OCT-2009 00:06:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091020_233416_000057382083_00316_39949_9008.N1	1	21-OCT-2009 00:06:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091021_011513_000041442083_00317_39950_9009.N1	8	21-OCT-2009 01:17:30
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ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091021_040514_000057382083_00319_39952_9011.N1	26	21-OCT-2009 04:27:25
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ORBIT_DATA_FILE	AUX_FPO_AXVPDS20091021_010109_20091020_184650_20091030_201304	56	21-OCT-2009 21:24:51
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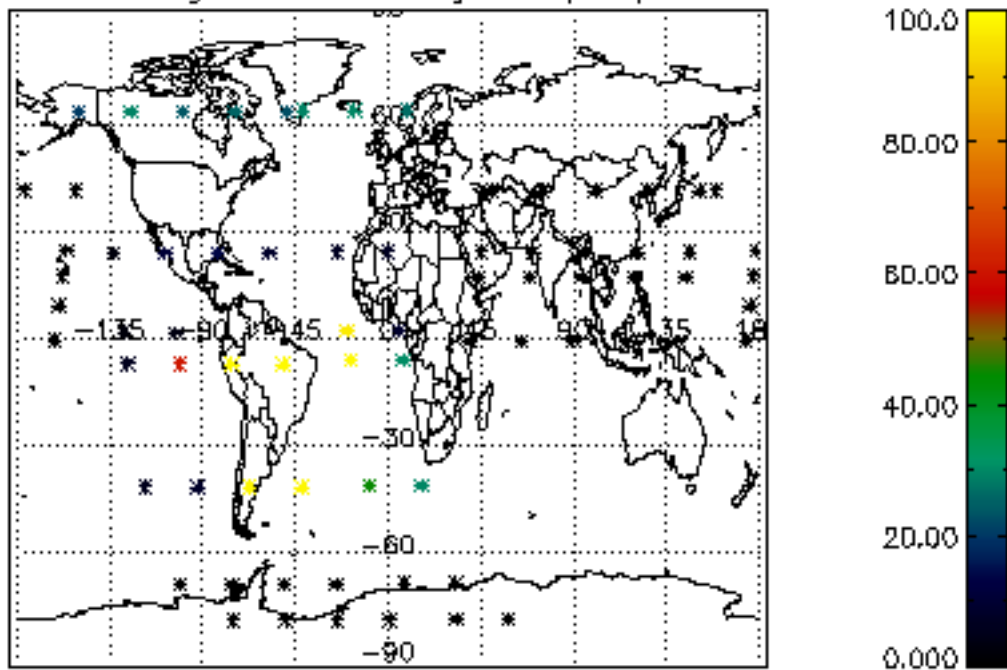




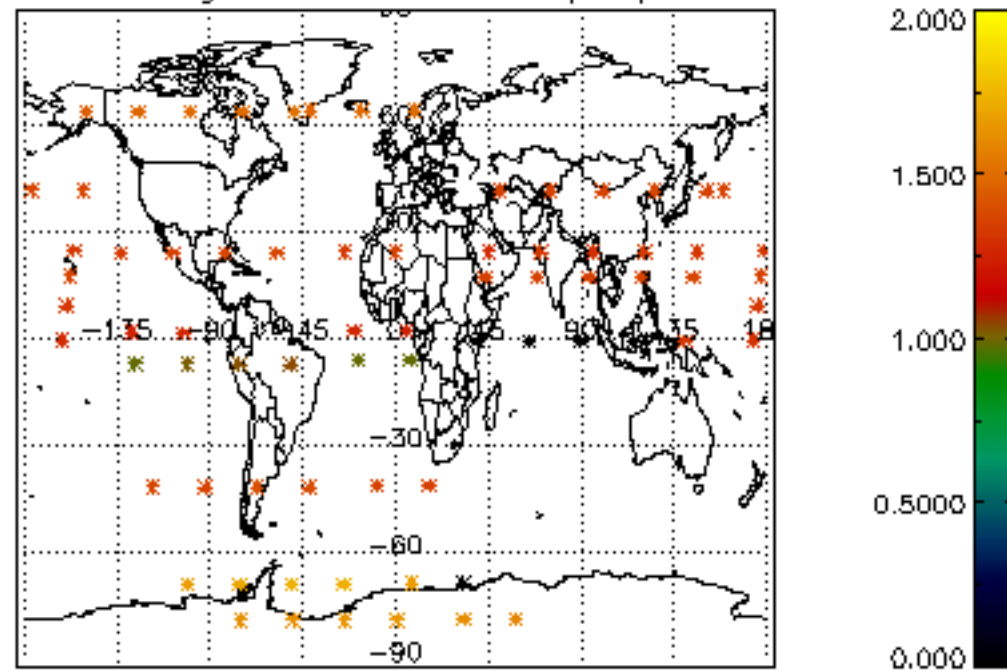




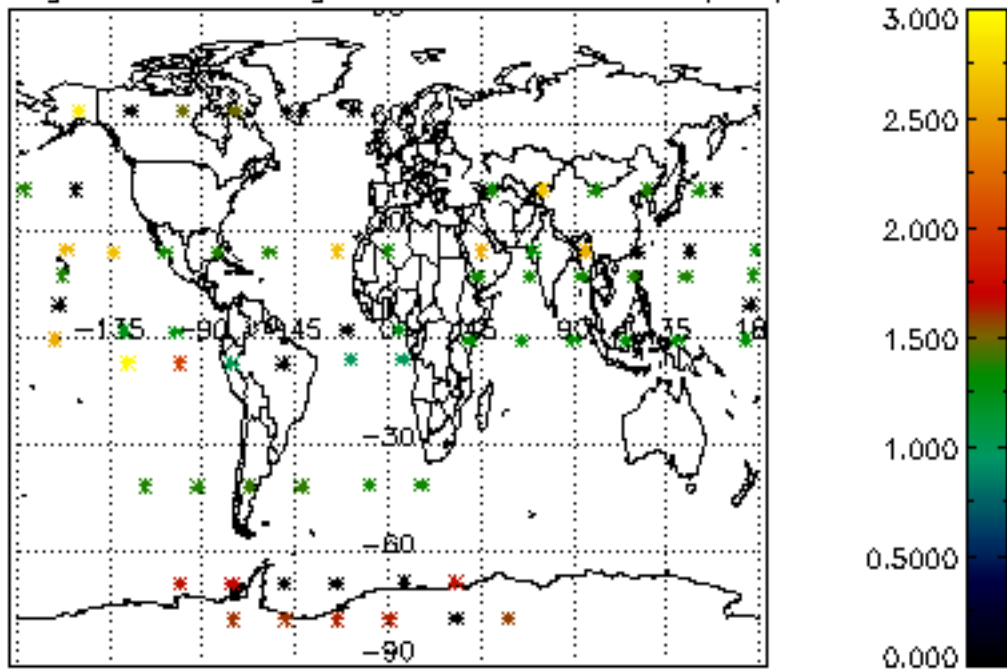
Percentage of cosmic ray hits per profile



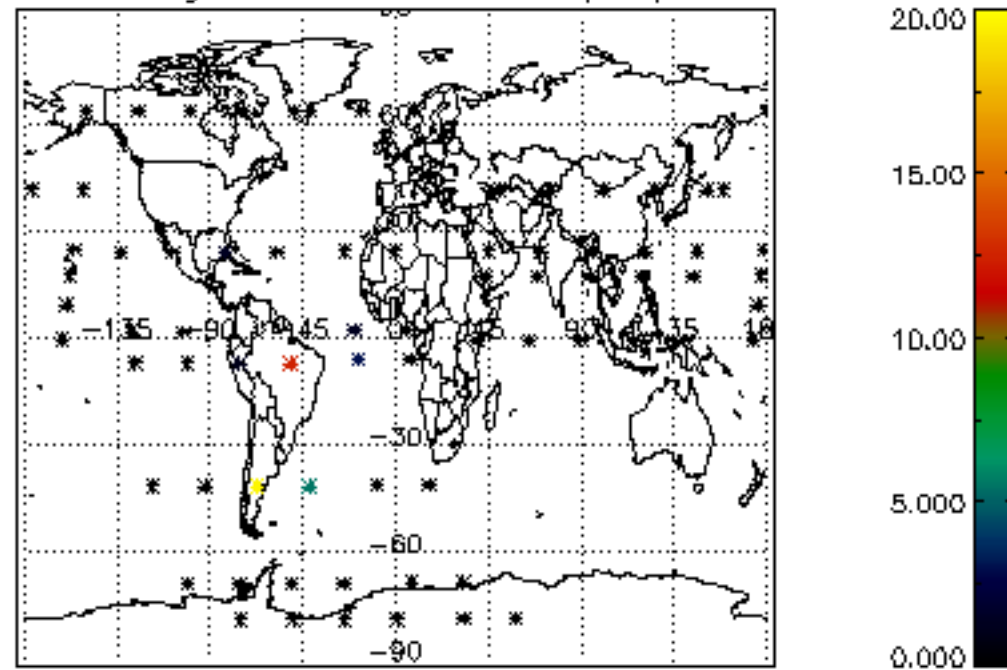
Percentage of datation errors per profile



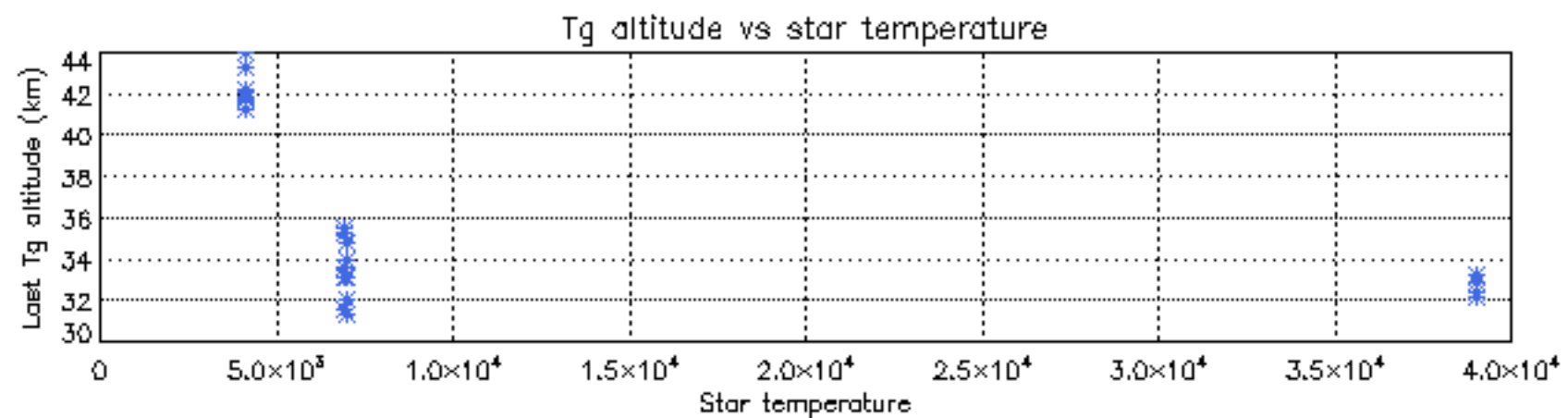
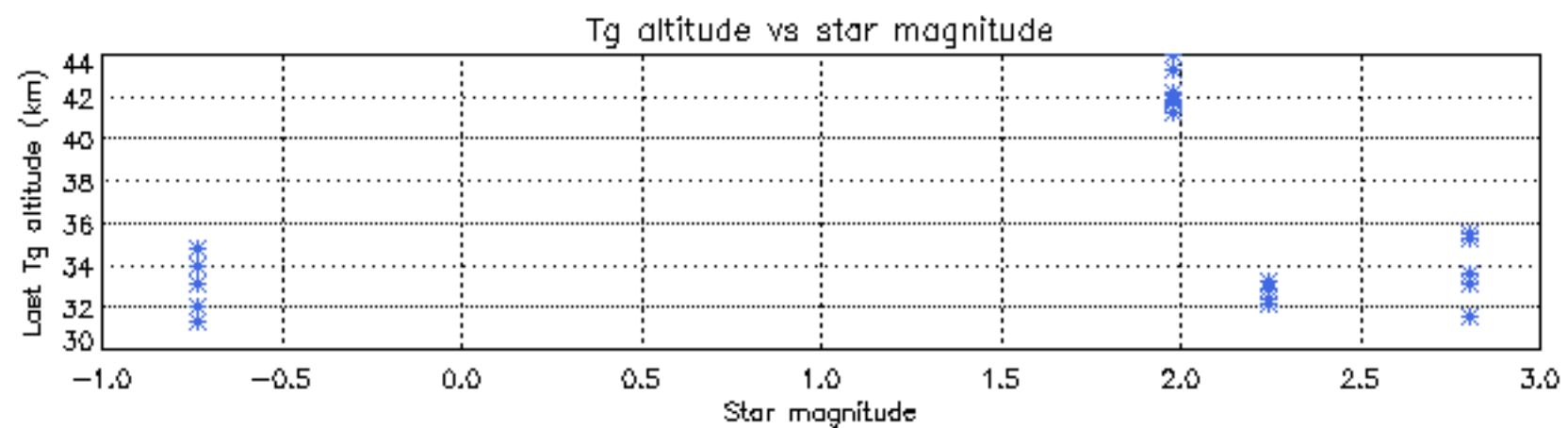
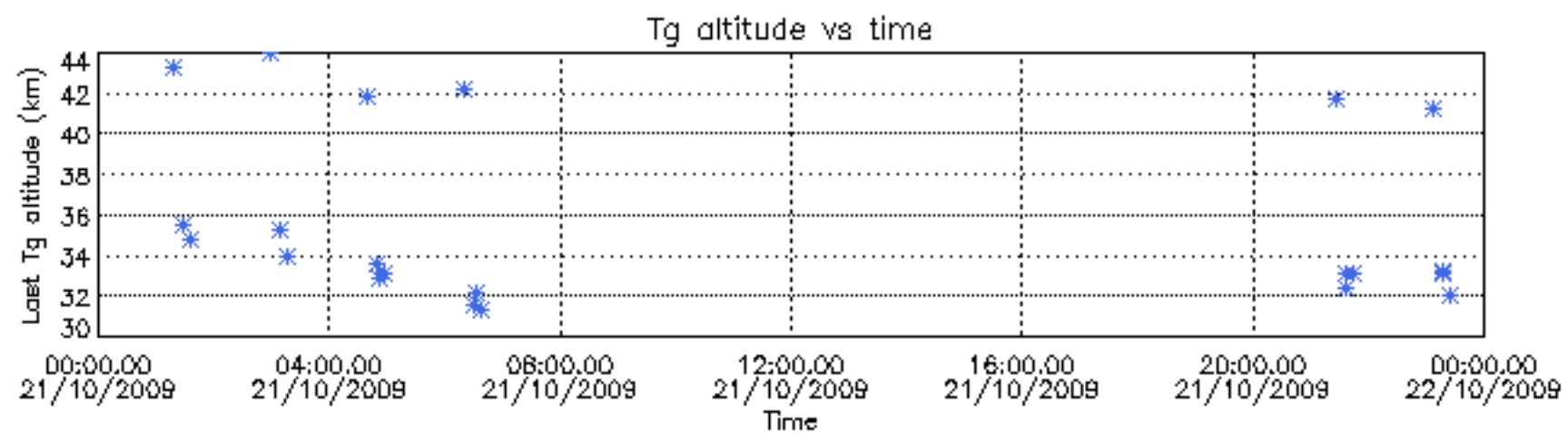
Percentage of star falling outside central band per profile



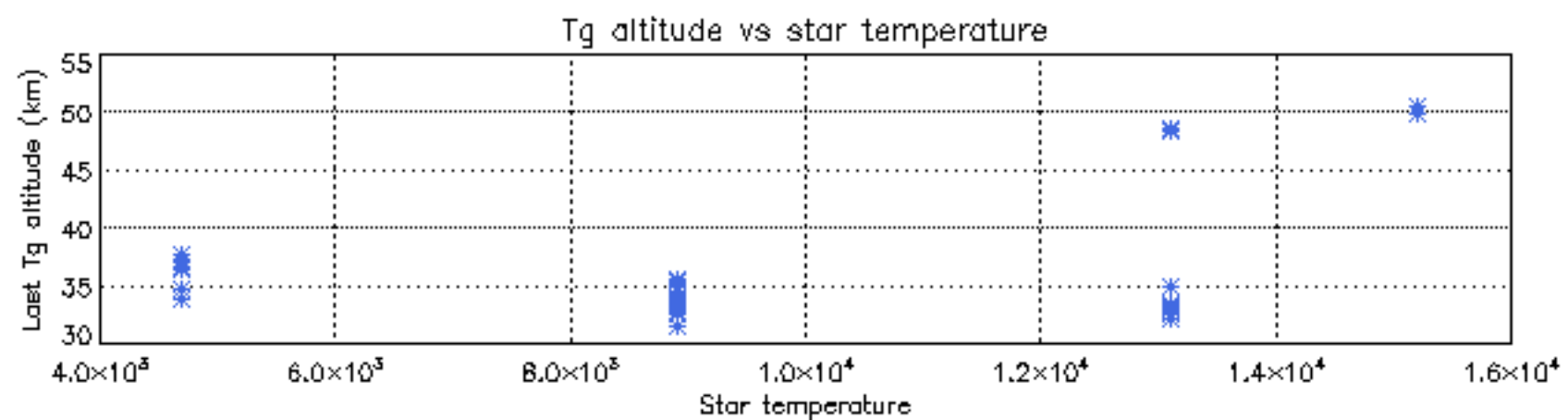
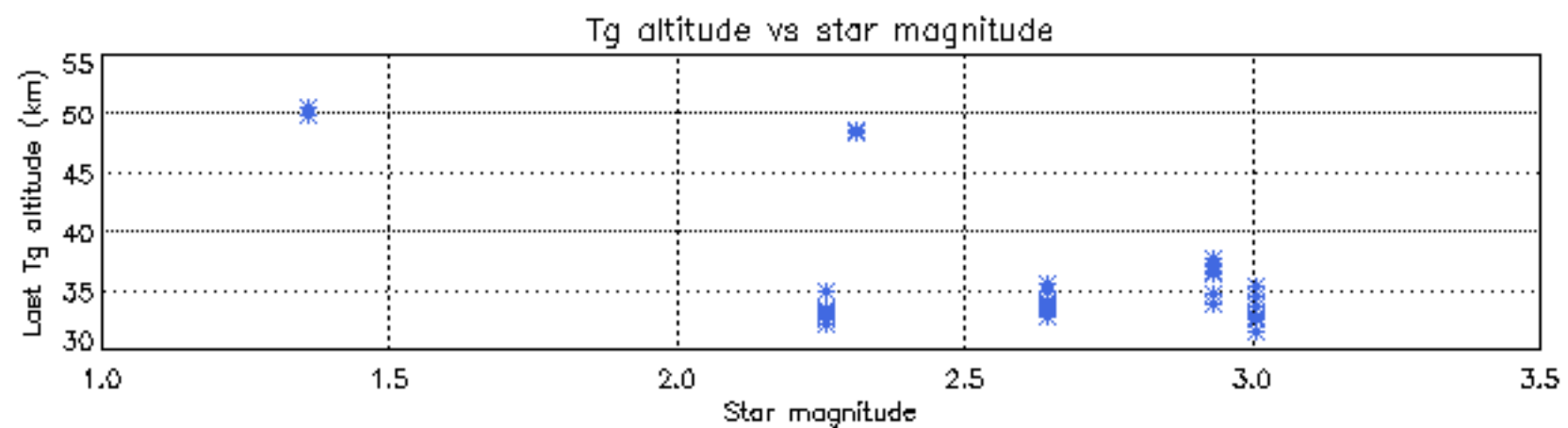
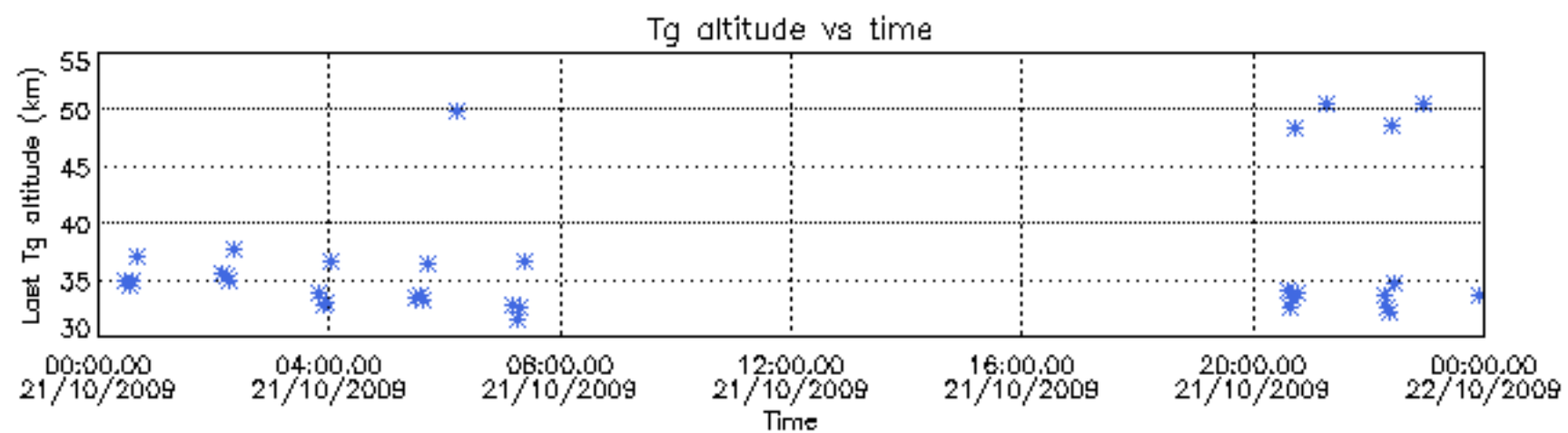
Percentage of saturation errors per profile

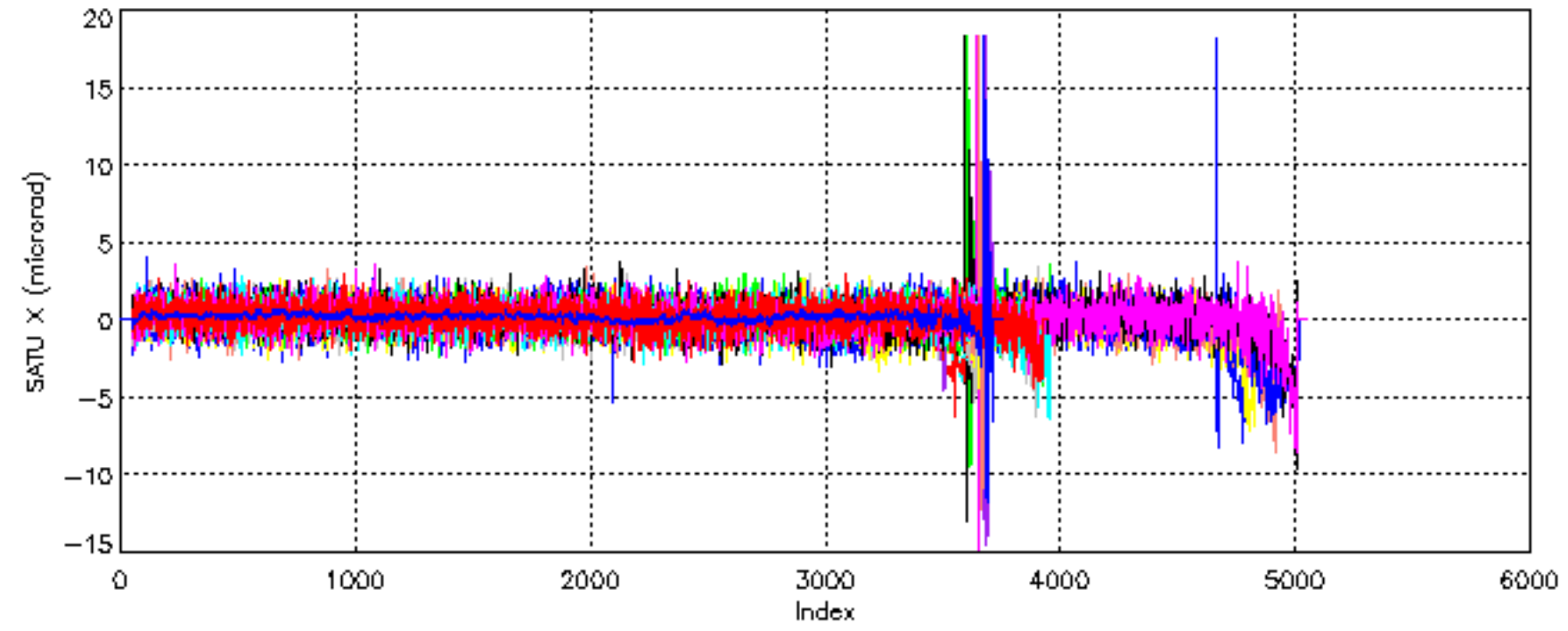


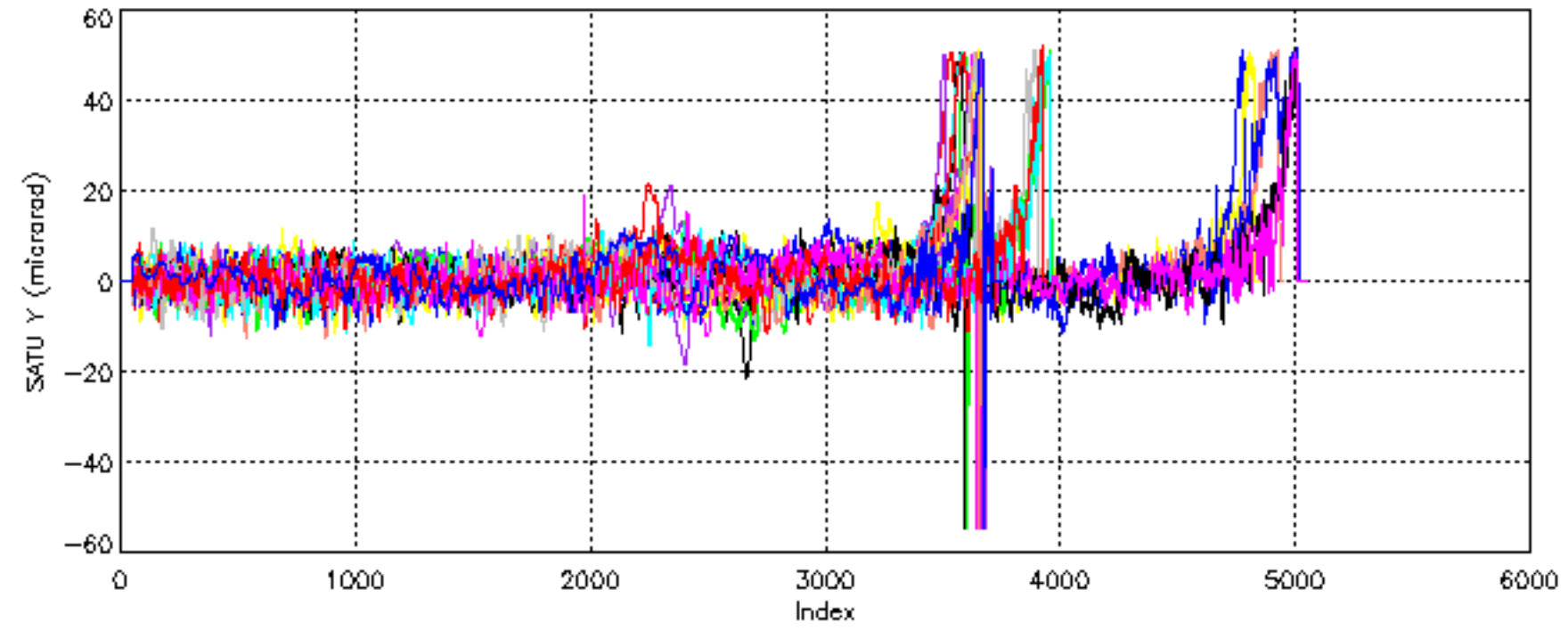
Tangent altitude at which the star is lost

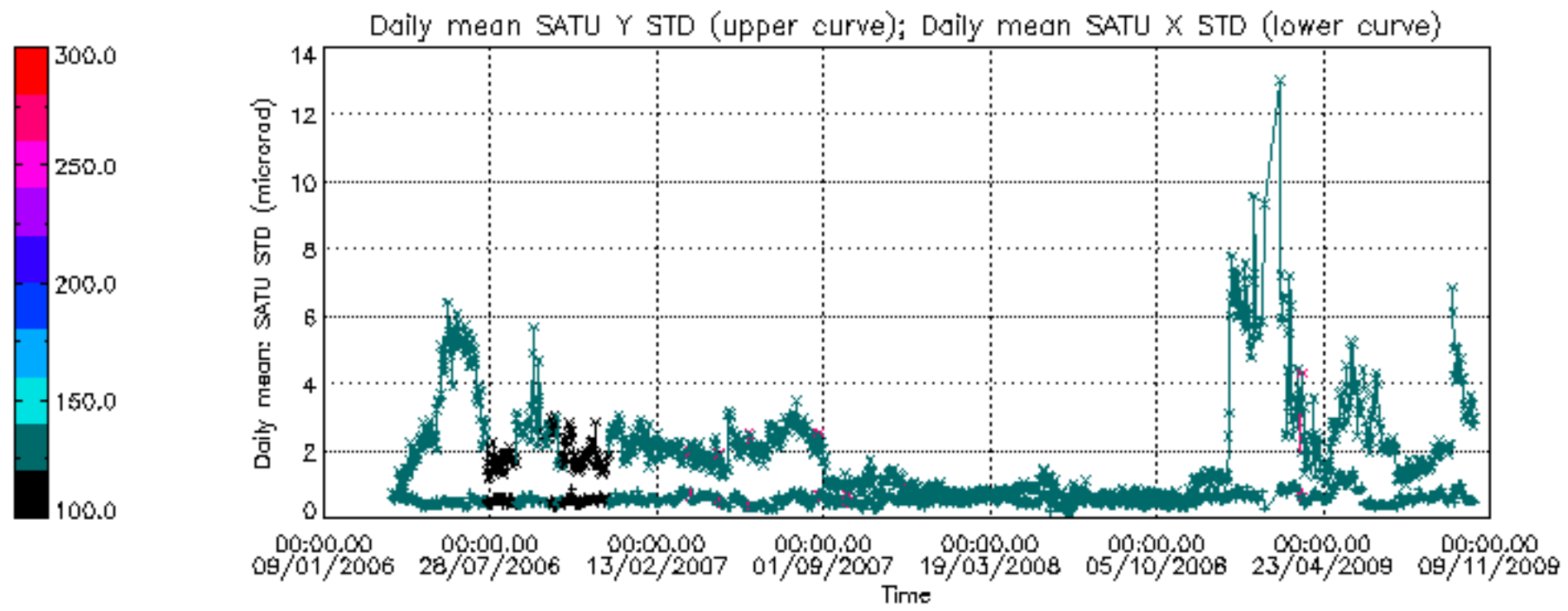


Tangent altitude at which the star is lost









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3; -128.1; 01-OCT-2009 00:15:14; Dark ; 44.5; 23; 21Eps CMA ; 1.50; 26000;occ; 89; 0;39663
4; 97.3; 01-OCT-2009 00:18:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39664
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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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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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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4; 2943.5; 01-OCT-2009 09:29:25; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;39669
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5; 2942.9; 01-OCT-2009 12:50:36; Bright; 34.5; 68; 18Alp Cas ; 2.22; 4500;occ; 69; 0;39671
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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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4; 2653.4; 01-OCT-2009 16:06:59; Bright; 23.0; 53; 43Bet And ; 2.05; 3300;occ; 46; 0;39673
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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
6; 6486.4; 25-OCT-2009 12:55:04; Dark ; 47.5; 2; Alp Car ;-0.74; 7000;occ; 95; 0;40014
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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
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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
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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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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
4; 6311.4; 26-OCT-2009 15:41:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 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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