

GOMOS Daily Report 11-JUN-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	14JUN2010 04:49:36
Data source version	GOMOS/5.00L04
Start time of products	11JUN2010 00:01:59
Stop time of products	11JUN2010 23:59:04
Store outputs in DB	Yes
Nb of level 1b prods	141
Nb of prods with errors	0

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

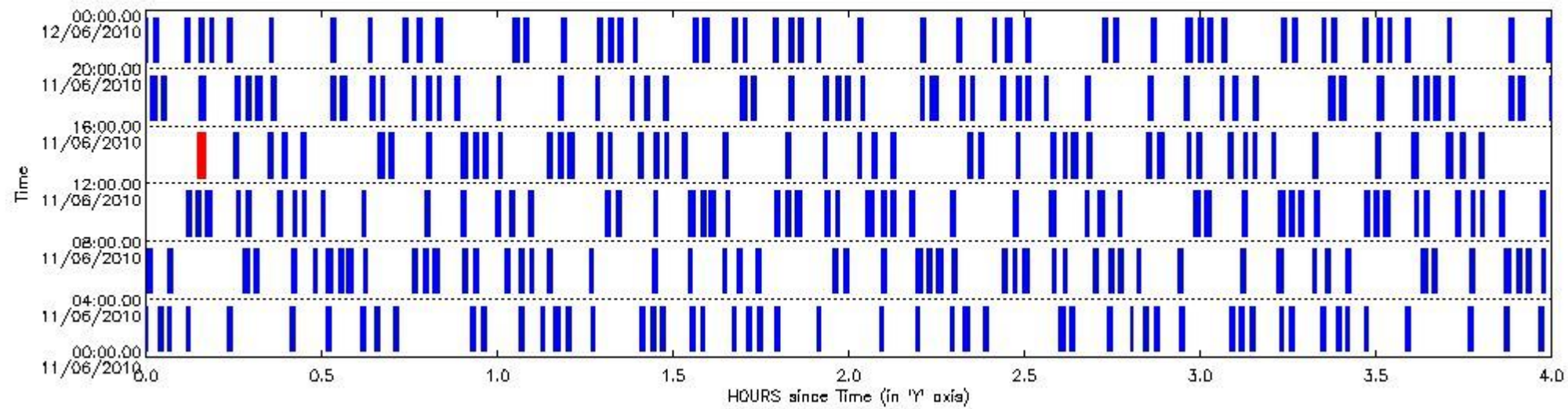
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

UTC start time	Star name	Star ID	Orbit
11-JUN-2010 12:08:50	5AlpCep	89	43292

2.4 Summary of processed GOM_TRA_1P products

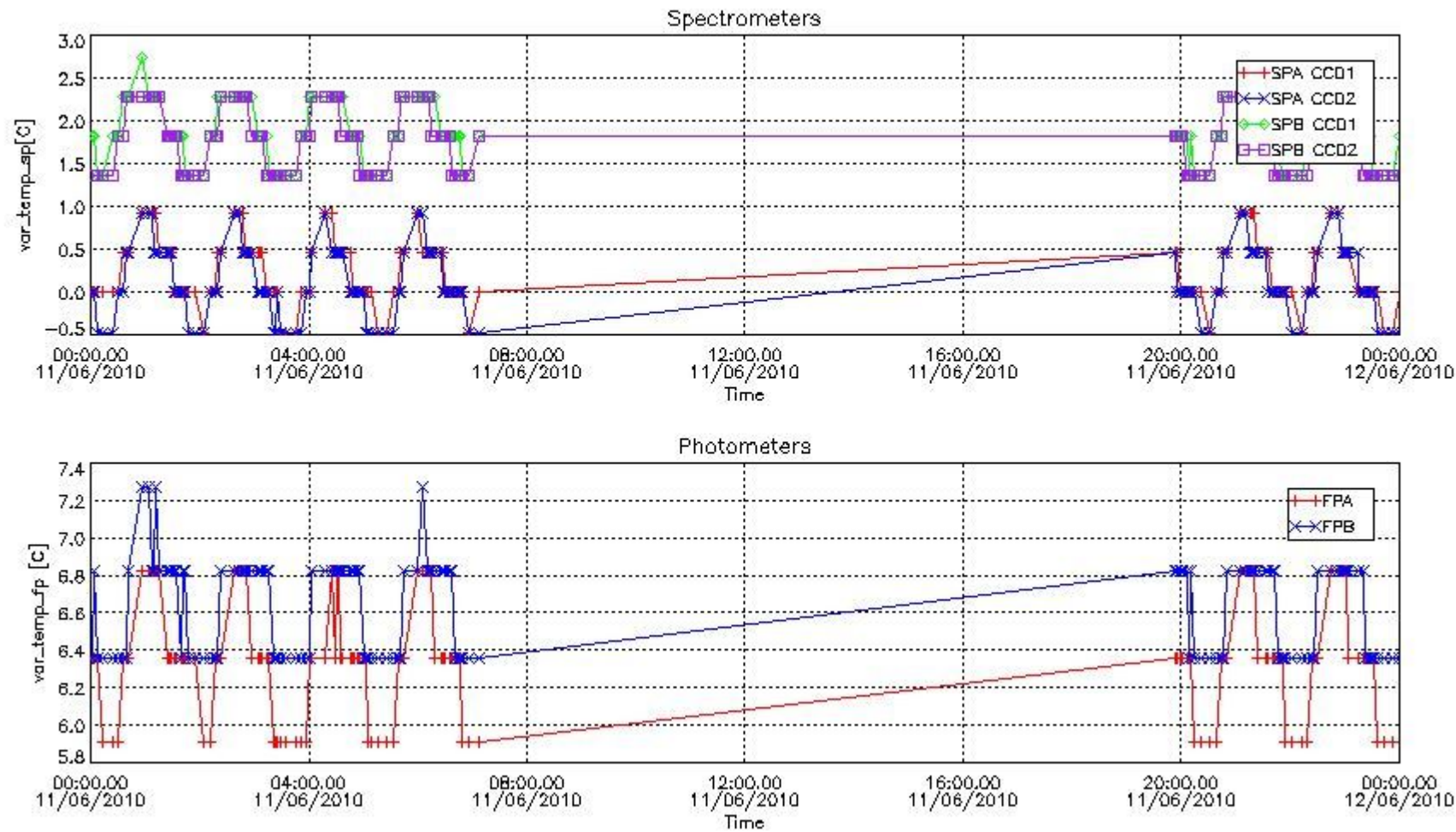
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100611_000159_000000492090_00145_43285_8078.N1	11-JUN-2010 00:01:59	Bright	48.500	59	55Alp Oph	2.0800	8900.0	97	43285	No
2	GOM_TRA_1PNPDE20100611_000339_000000402090_00145_43285_8079.N1	11-JUN-2010 00:03:39	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	43285	No
3	GOM_TRA_1PNPDE20100611_000649_000000412090_00145_43285_8080.N1	11-JUN-2010 00:06:49	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	43285	No
4	GOM_TRA_1PNPDE20100611_001352_000000432090_00145_43285_8081.N1	11-JUN-2010 00:13:52	Bright	42.500	130	23Bet Dra	2.7990	5800.0	85	43285	No
5	GOM_TRA_1PNPDE20100611_002434_000000472090_00145_43285_8082.N1	11-JUN-2010 00:24:34	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	43285	No
6	GOM_TRA_1PNPDE20100611_003044_000000492090_00145_43285_8083.N1	11-JUN-2010 00:30:44	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	43285	No
7	GOM_TRA_1PNPDE20100611_003640_000000392090_00145_43285_8084.N1	11-JUN-2010 00:36:40	Bright	38.500	73	57Gam1And	2.2600	13100.	77	43285	No
8	GOM_TRA_1PNPDE20100611_003859_000000512090_00145_43285_8085.N1	11-JUN-2010 00:38:59	Twilight	51.000	53	43Bet And	2.0480	3300.0	102	43285	No
9	GOM_TRA_1PNPDE20100611_004218_000000492090_00145_43285_8086.N1	11-JUN-2010 00:42:18	Twilight	49.000	50	13Alp Ari	2.0070	4250.0	98	43285	No
10	GOM_TRA_1PNPDE20100611_005708_000000522090_00145_43285_8099.N1	11-JUN-2010 00:57:08	Dark	52.000	52	16Bet Cet	2.0370	4500.0	104	43285	No

11	GOM_TRA_1PNPDE20100611_010335_000000452090_00145_43285_8100.N1	11-JUN-2010 01:03:35	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	43285	No
12	GOM_TRA_1PNPDE20100611_010724_000000302090_00146_43286_8101.N1	11-JUN-2010 01:07:24	Dark	30.000	18	24Alp PsA	1.1660	9700.0	60	43286	No
13	GOM_TRA_1PNPDE20100611_010933_000000582090_00146_43286_8102.N1	11-JUN-2010 01:09:33	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	43286	No
14	GOM_TRA_1PNPDE20100611_011134_000000492090_00146_43286_8103.N1	11-JUN-2010 01:11:34	Dark	49.000	31	Alp Gru	1.7340	15200.	98	43286	No
15	GOM_TRA_1PNPDE20100611_011550_000000432090_00146_43286_8104.N1	11-JUN-2010 01:15:50	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43286	No
16	GOM_TRA_1PNPDE20100611_012421_000000432090_00146_43286_8105.N1	11-JUN-2010 01:24:21	Straylight	43.000	40	The Sco	1.8590	7100.0	86	43286	No
17	GOM_TRA_1PNPDE20100611_012605_000000472090_00146_43286_8106.N1	11-JUN-2010 01:26:05	Tw_i_and_stray	46.500	25	35Lam Sco	1.6200	28000.	93	43286	No
18	GOM_TRA_1PNPDE20100611_012744_000000572090_00146_43286_8107.N1	11-JUN-2010 01:27:44	Bright	57.000	57	34Sig Sgr	2.0660	26000.	114	43286	No
19	GOM_TRA_1PNPDE20100611_013255_000000422090_00146_43286_8108.N1	11-JUN-2010 01:32:55	Bright	42.000	86	35Eta Oph	2.4300	10200.	84	43286	No
20	GOM_TRA_1PNPDE20100611_013440_000000392090_00146_43286_8109.N1	11-JUN-2010 01:34:40	Bright	39.000	98	13Zet Oph	2.5710	30000.	78	43286	No
21	GOM_TRA_1PNPDE20100611_013957_000000482090_00146_43286_8110.N1	11-JUN-2010 01:39:57	Bright	48.000	126	60Bet Oph	2.7700	4250.0	96	43286	No
22	GOM_TRA_1PNPDE20100611_014234_000000502090_00146_43286_8111.N1	11-JUN-2010 01:42:34	Bright	49.500	59	55Alp Oph	2.0800	8900.0	99	43286	No
23	GOM_TRA_1PNPDE20100611_014415_000000562090_00146_43286_8112.N1	11-JUN-2010 01:44:15	Bright	56.000	127	27Bet Her	2.7810	4700.0	112	43286	No
24	GOM_TRA_1PNPDE20100611_014724_000000402090_00146_43286_8113.N1	11-JUN-2010 01:47:24	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	43286	No
25	GOM_TRA_1PNPDE20100611_015428_000000422090_00146_43286_8114.N1	11-JUN-2010 01:54:28	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	43286	No
26	GOM_TRA_1PNPDE20100611_020509_000000452090_00146_43286_8115.N1	11-JUN-2010 02:05:09	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	43286	No
27	GOM_TRA_1PNPDE20100611_021120_000000392090_00146_43286_8116.N1	11-JUN-2010 02:11:20	Bright	38.500	76	27Gam Cas	2.3000	30000.	77	43286	No
28	GOM_TRA_1PNPDE20100611_021715_000000392090_00146_43286_8117.N1	11-JUN-2010 02:17:15	Bright	39.000	73	57Gam1And	2.2600	13100.	78	43286	No
29	GOM_TRA_1PNPDE20100611_021935_000000572090_00146_43286_8118.N1	11-JUN-2010 02:19:35	Tw_i_and_stray	57.000	53	43Bet And	2.0480	3300.0	114	43286	No
30	GOM_TRA_1PNPDE20100611_022254_000000492090_00146_43286_8119.N1	11-JUN-2010 02:22:54	Twilight	48.500	50	13Alp Ari	2.0070	4250.0	97	43286	No
31	GOM_TRA_1PNPDE20100611_023744_000000522090_00146_43286_8120.N1	11-JUN-2010 02:37:44	Dark	51.500	52	16Bet Cet	2.0370	4500.0	103	43286	No
32	GOM_TRA_1PNPDE20100611_024411_000000452090_00146_43286_8121.N1	11-JUN-2010 02:44:11	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	43286	No
33	GOM_TRA_1PNPDE20100611_024801_000000262090_00147_43287_8122.N1	11-JUN-2010 02:48:01	Dark	26.000	18	24Alp PsA	1.1660	9700.0	52	43287	No
34	GOM_TRA_1PNPDE20100611_025010_000000492090_00147_43287_8123.N1	11-JUN-2010 02:50:10	Dark	48.500	63	Bet Gru	2.1500	2800.0	97	43287	No
35	GOM_TRA_1PNPDE20100611_025211_000000512090_00147_43287_8124.N1	11-JUN-2010 02:52:11	Dark	50.500	31	Alp Gru	1.7340	15200.	101	43287	No
36	GOM_TRA_1PNPDE20100611_025627_000000422090_00147_43287_8125.N1	11-JUN-2010 02:56:27	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43287	No
37	GOM_TRA_1PNPDE20100611_030457_000000472090_00147_43287_8126.N1	11-JUN-2010 03:04:57	Straylight	47.000	40	The Sco	1.8590	7100.0	94	43287	No
38	GOM_TRA_1PNPDE20100611_030641_000000472090_00147_43287_8127.N1	11-JUN-2010 03:06:41	Tw_i_and_stray	46.500	25	35Lam Sco	1.6200	28000.	93	43287	No
39	GOM_TRA_1PNPDE20100611_030821_000000622090_00147_43287_8128.N1	11-JUN-2010 03:08:21	Bright	62.000	57	34Sig Sgr	2.0660	26000.	124	43287	No
40	GOM_TRA_1PNPDE20100611_031331_000000412090_00147_43287_8129.N1	11-JUN-2010 03:13:31	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	43287	No
41	GOM_TRA_1PNPDE20100611_031516_000000392090_00147_43287_8130.N1	11-JUN-2010 03:15:16	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	43287	No
42	GOM_TRA_1PNPDE20100611_032033_000000482090_00147_43287_8131.N1	11-JUN-2010 03:20:33	Bright	47.500	126	60Bet Oph	2.7700	4250.0	95	43287	No
43	GOM_TRA_1PNPDE20100611_032310_000000472090_00147_43287_8132.N1	11-JUN-2010 03:23:10	Bright	46.500	59	55Alp Oph	2.0800	8900.0	93	43287	No
44	GOM_TRA_1PNPDE20100611_032451_000000392090_00147_43287_8133.N1	11-JUN-2010 03:24:51	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	43287	No
45	GOM_TRA_1PNPDE20100611_032800_000000402090_00147_43287_8134.N1	11-JUN-2010 03:28:00	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	43287	No
46	GOM_TRA_1PNPDE20100611_033503_000000422090_00147_43287_8128.N1	11-JUN-2010 03:35:03	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	43287	No
47	GOM_TRA_1PNPDE20100611_034545_000000492090_00147_43287_8129.N1	11-JUN-2010 03:45:45	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43287	No
48	GOM_TRA_1PNPDE20100611_035155_000000402090_00147_43287_8130.N1	11-JUN-2010 03:51:55	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	43287	No
49	GOM_TRA_1PNPDE20100611_035751_000000392090_00147_43287_8131.N1	11-JUN-2010 03:57:51	Bright	39.000	73	57Gam1And	2.2600	13100.	78	43287	No
50	GOM_TRA_1PNPDE20100611_040011_000000542090_00147_43287_8132.N1	11-JUN-2010 04:00:11	Tw_i_and_stray	53.500	53	43Bet And	2.0480	3300.0	107	43287	No
51	GOM_TRA_1PNPDE20100611_040330_000000512090_00147_43287_8133.N1	11-JUN-2010 04:03:30	Twilight	51.000	50	13Alp Ari	2.0070	4250.0	102	43287	No
52	GOM_TRA_1PNPDE20100611_041821_000000522090_00147_43287_8134.N1	11-JUN-2010 04:18:21	Dark	52.000	52	16Bet Cet	2.0370	4500.0	104	43287	No
53	GOM_TRA_1PNPDE20100611_042448_000000422090_00147_43287_8135.N1	11-JUN-2010 04:24:48	Dark	42.000	84	Alp Phe	2.3970	4500.0	84	43287	No
54	GOM_TRA_1PNPDE20100611_042839_000000262090_00148_43288_8136.N1	11-JUN-2010 04:28:39	Dark	26.000	18	24Alp PsA	1.1660	9700.0	52	43288	No
55	GOM_TRA_1PNPDE20100611_043046_000000552090_00148_43288_8137.N1	11-JUN-2010 04:30:46	Dark	55.000	63	Bet Gru	2.1500	2800.0	110	43288	No
56	GOM_TRA_1PNPDE20100611_043248_000000482090_00148_43288_8138.N1	11-JUN-2010 04:32:48	Dark	47.500	31	Alp Gru	1.7340	15200.	95	43288	No
57	GOM_TRA_1PNPDE20100611_043417_000000572090_00148_43288_8139.N1	11-JUN-2010 04:34:17	Straylight	56.500	172	Gam Gru	3.0030	13100.	113	43288	No
58	GOM_TRA_1PNPDE20100611_043703_000000432090_00148_43288_8140.N1	11-JUN-2010 04:37:03	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	43288	No
59	GOM_TRA_1PNPDE20100611_044533_000000412090_00148_43288_8141.N1	11-JUN-2010 04:45:33	Straylight	40.500	40	The Sco	1.8590	7100.0	81	43288	No
60	GOM_TRA_1PNPDE20100611_044718_000000442090_00148_43288_8142.N1	11-JUN-2010 04:47:18	Tw_i_and_stray	43.500	25	35Lam Sco	1.6200	28000.	87	43288	No
61	GOM_TRA_1PNPDE20100611_044857_000000602090_00148_43288_8143.N1	11-JUN-2010 04:48:57	Bright	59.500	57	34Sig Sgr	2.0660	26000.	119	43288	No
62	GOM_TRA_1PNPDE20100611_045407_000000422090_00148_43288_8144.N1	11-JUN-2010 04:54:07	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	43288	No
63	GOM_TRA_1PNPDE20100611_045552_000000412090_00148_43288_8145.N1	11-JUN-2010 04:55:52	Bright	41.000	98	13Zet Oph	2.5710	30000.	82	43288	No
64	GOM_TRA_1PNPDE20100611_050109_000000492090_00148_43288_8146.N1	11-JUN-2010 05:01:09	Bright	48.500	126	60Bet Oph	2.7700	4250.0	97	43288	No
65	GOM_TRA_1PNPDE20100611_050345_000000492090_00148_43288_8147.N1	11-JUN-2010 05:03:45	Bright	48.500	59	55Alp Oph	2.0800	8900.0	97	43288	No
66	GOM_TRA_1PNPDE20100611_050526_000000382090_00148_43288_8148.N1	11-JUN-2010 05:05:26	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	43288	No
67	GOM_TRA_1PNPDE20100611_050836_000000422090_00148_43288_8149.N1	11-JUN-2010 05:08:36	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	43288	No
68	GOM_TRA_1PNPDE20100611_051539_000000432090_00148_43288_8150.N1	11-JUN-2010 05:15:39	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	43288	No
69	GOM_TRA_1PNPDE20100611_052620_000000482090_00148_43288_8151.N1	11-JUN-2010 05:26:20	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43288	No

70	GOM_TRA_1PNPDE20100611_053231_000000402090_00148_43288_8171.N1	11-JUN-2010 05:32:31	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	43288	No
71	GOM_TRA_1PNPDE20100611_053828_000000392090_00148_43288_8172.N1	11-JUN-2010 05:38:28	Bright	38.500	73	57Gam1And	2.2600	13100.	77	43288	No
72	GOM_TRA_1PNPDE20100611_054047_000000572090_00148_43288_8173.N1	11-JUN-2010 05:40:47	Twilight	56.500	53	43Bet And	2.0480	3300.0	113	43288	No
73	GOM_TRA_1PNPDE20100611_054406_000000482090_00148_43288_8174.N1	11-JUN-2010 05:44:06	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	43288	No
74	GOM_TRA_1PNPDE20100611_055858_000000542090_00148_43288_8175.N1	11-JUN-2010 05:58:58	Dark	54.000	52	16Bet Cet	2.0370	4500.0	108	43288	No
75	GOM_TRA_1PNPDE20100611_060525_000000482090_00148_43288_8176.N1	11-JUN-2010 06:05:25	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	43288	No
76	GOM_TRA_1PNPDE20100611_061124_000000632090_00149_43289_8177.N1	11-JUN-2010 06:11:24	Dark	62.500	63	Bet Gru	2.1500	2800.0	125	43289	No
77	GOM_TRA_1PNPDE20100611_061325_000000472090_00149_43289_8178.N1	11-JUN-2010 06:13:25	Dark	47.000	31	Alp Gru	1.7340	15200.	94	43289	No
78	GOM_TRA_1PNPDE20100611_061455_000000572090_00149_43289_8179.N1	11-JUN-2010 06:14:55	Straylight	57.000	172	Gam Gru	3.0030	13100.	114	43289	No
79	GOM_TRA_1PNPDE20100611_061740_000000432090_00149_43289_8180.N1	11-JUN-2010 06:17:40	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43289	No
80	GOM_TRA_1PNPDE20100611_062610_000000462090_00149_43289_8181.N1	11-JUN-2010 06:26:10	Straylight	45.500	40	The Sco	1.8590	7100.0	91	43289	No
81	GOM_TRA_1PNPDE20100611_062754_000000452090_00149_43289_8182.N1	11-JUN-2010 06:27:54	Twilight	45.000	25	35Lam Sco	1.6200	28000.	90	43289	No
82	GOM_TRA_1PNPDE20100611_062934_000000712090_00149_43289_8183.N1	11-JUN-2010 06:29:34	Bright	70.500	57	34Sig Sgr	2.0660	26000.	141	43289	No
83	GOM_TRA_1PNPDE20100611_063443_000000412090_00149_43289_8184.N1	11-JUN-2010 06:34:43	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	43289	No
84	GOM_TRA_1PNPDE20100611_063628_000000382090_00149_43289_8185.N1	11-JUN-2010 06:36:28	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	43289	No
85	GOM_TRA_1PNPDE20100611_064144_000000492090_00149_43289_8186.N1	11-JUN-2010 06:41:44	Bright	49.000	126	60Bet Oph	2.7700	4250.0	98	43289	No
86	GOM_TRA_1PNPDE20100611_064421_000000492090_00149_43289_8187.N1	11-JUN-2010 06:44:21	Bright	48.500	59	55Alp Oph	2.0800	8900.0	97	43289	No
87	GOM_TRA_1PNPDE20100611_064602_000000382090_00149_43289_8188.N1	11-JUN-2010 06:46:02	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	43289	No
88	GOM_TRA_1PNPDE20100611_064911_000000382090_00149_43289_8189.N1	11-JUN-2010 06:49:11	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	43289	No
89	GOM_TRA_1PNPDE20100611_065614_000000432090_00149_43289_8190.N1	11-JUN-2010 06:56:14	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	43289	No
90	GOM_TRA_1PNPDE20100611_070655_000000482090_00149_43289_8191.N1	11-JUN-2010 07:06:55	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43289	No
91	GOM_TRA_1PNPDE20100611_195244_000000452090_00157_43297_8310.N1	11-JUN-2010 19:52:44	Twilight	44.500	25	35Lam Sco	1.6200	28000.	89	43297	No
92	GOM_TRA_1PNPDE20100611_195425_000000612090_00157_43297_8311.N1	11-JUN-2010 19:54:25	Bright	60.500	57	34Sig Sgr	2.0660	26000.	121	43297	No
93	GOM_TRA_1PNPDE20100611_195931_000000412090_00157_43297_8312.N1	11-JUN-2010 19:59:31	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	43297	No
94	GOM_TRA_1PNPDE20100611_200116_000000402090_00157_43297_8313.N1	11-JUN-2010 20:01:16	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	43297	No
95	GOM_TRA_1PNPDE20100611_200629_000000482090_00157_43297_8314.N1	11-JUN-2010 20:06:29	Bright	47.500	126	60Bet Oph	2.7700	4250.0	95	43297	No
96	GOM_TRA_1PNPDE20100611_200905_000000462090_00157_43297_8315.N1	11-JUN-2010 20:09:05	Bright	46.000	59	55Alp Oph	2.0800	8900.0	92	43297	No
97	GOM_TRA_1PNPDE20100611_201048_000000392090_00157_43297_8316.N1	11-JUN-2010 20:10:48	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	43297	No
98	GOM_TRA_1PNPDE20100611_201357_000000422090_00157_43297_8317.N1	11-JUN-2010 20:13:57	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	43297	No
99	GOM_TRA_1PNPDE20100611_202058_000000432090_00157_43297_8318.N1	11-JUN-2010 20:20:58	Bright	42.500	130	23Bet Dra	2.7990	5800.0	85	43297	No
100	GOM_TRA_1PNPDE20100611_203137_000000482090_00157_43297_8319.N1	11-JUN-2010 20:31:37	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43297	No
101	GOM_TRA_1PNPDE20100611_203752_000000402090_00157_43297_8320.N1	11-JUN-2010 20:37:52	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	43297	No
102	GOM_TRA_1PNPDE20100611_204351_000000392090_00157_43297_8321.N1	11-JUN-2010 20:43:51	Bright	39.000	73	57Gam1And	2.2600	13100.	78	43297	No
103	GOM_TRA_1PNPDE20100611_204611_000000592090_00157_43297_8322.N1	11-JUN-2010 20:46:11	Twilight	58.500	53	43Bet And	2.0480	3300.0	117	43297	No
104	GOM_TRA_1PNPDE20100611_204931_000000552090_00157_43297_8323.N1	11-JUN-2010 20:49:31	Twilight	54.500	50	13Alp Ari	2.0070	4250.0	109	43297	No
105	GOM_TRA_1PNPDE20100611_210429_000000542090_00157_43297_8331.N1	11-JUN-2010 21:04:29	Dark	53.500	52	16Bet Cet	2.0370	4500.0	107	43297	No
106	GOM_TRA_1PNPDE20100611_211055_000000472090_00157_43297_8332.N1	11-JUN-2010 21:10:55	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	43297	No
107	GOM_TRA_1PNPDE20100611_211656_000000492090_00158_43298_8333.N1	11-JUN-2010 21:16:56	Dark	48.500	63	Bet Gru	2.1500	2800.0	97	43298	No
108	GOM_TRA_1PNPDE20100611_211857_000000492090_00158_43298_8334.N1	11-JUN-2010 21:18:57	Dark	49.000	31	Alp Gru	1.7340	15200.	98	43298	No
109	GOM_TRA_1PNPDE20100611_212031_000000562090_00158_43298_8335.N1	11-JUN-2010 21:20:31	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	43298	No
110	GOM_TRA_1PNPDE20100611_212309_000000422090_00158_43298_8336.N1	11-JUN-2010 21:23:09	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43298	No
111	GOM_TRA_1PNPDE20100611_213320_000000442090_00158_43298_8337.N1	11-JUN-2010 21:33:20	Twilight	43.500	25	35Lam Sco	1.6200	28000.	87	43298	No
112	GOM_TRA_1PNPDE20100611_213501_000000642090_00158_43298_8338.N1	11-JUN-2010 21:35:01	Bright	63.500	57	34Sig Sgr	2.0660	26000.	127	43298	No
113	GOM_TRA_1PNPDE20100611_214007_000000422090_00158_43298_8339.N1	11-JUN-2010 21:40:07	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	43298	No
114	GOM_TRA_1PNPDE20100611_214152_000000392090_00158_43298_8340.N1	11-JUN-2010 21:41:52	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	43298	No
115	GOM_TRA_1PNPDE20100611_214704_000000482090_00158_43298_8341.N1	11-JUN-2010 21:47:04	Bright	47.500	126	60Bet Oph	2.7700	4250.0	95	43298	No
116	GOM_TRA_1PNPDE20100611_214941_000000462090_00158_43298_8342.N1	11-JUN-2010 21:49:41	Bright	45.500	59	55Alp Oph	2.0800	8900.0	91	43298	No
117	GOM_TRA_1PNPDE20100611_215124_000000382090_00158_43298_8343.N1	11-JUN-2010 21:51:24	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	43298	No
118	GOM_TRA_1PNPDE20100611_215432_000000402090_00158_43298_8344.N1	11-JUN-2010 21:54:32	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	43298	No
119	GOM_TRA_1PNPDE20100611_220133_000000432090_00158_43298_8345.N1	11-JUN-2010 22:01:33	Bright	42.500	130	23Bet Dra	2.7990	5800.0	85	43298	No
120	GOM_TRA_1PNPDE20100611_221213_000000462090_00158_43298_8346.N1	11-JUN-2010 22:12:13	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	43298	No
121	GOM_TRA_1PNPDE20100611_221828_000000412090_00158_43298_8347.N1	11-JUN-2010 22:18:28	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	43298	No
122	GOM_TRA_1PNPDE20100611_222428_000000392090_00158_43298_8348.N1	11-JUN-2010 22:24:28	Bright	39.000	73	57Gam1And	2.2600	13100.	78	43298	No
123	GOM_TRA_1PNPDE20100611_222647_000000522090_00158_43298_8349.N1	11-JUN-2010 22:26:47	Twilight	52.000	53	43Bet And	2.0480	3300.0	104	43298	No
124	GOM_TRA_1PNPDE20100611_223008_000000462090_00158_43298_8350.N1	11-JUN-2010 22:30:08	Twilight	45.500	50	13Alp Ari	2.0070	4250.0	91	43298	No
125	GOM_TRA_1PNPDE20100611_224506_000000542090_00158_43298_8350.N1	11-JUN-2010 22:45:06	Dark	54.000	52	16Bet Cet	2.0370	4500.0	108	43298	No
126	GOM_TRA_1PNPDE20100611_225131_000000472090_00158_43298_8351.N1	11-JUN-2010 22:51:31	Dark	46.500	84	Alp Phe	2.3970	4500.0	93	43298	No
127	GOM_TRA_1PNPDE20100611_225732_000000602090_00159_43299_8352.N1	11-JUN-2010 22:57:32	Dark	59.500	63	Bet Gru	2.1500	2800.0	119	43299	No
128	GOM_TRA_1PNPDE20100611_225934_000000482090_00159_43299_8353.N1	11-JUN-2010 22:59:34	Dark	48.000	31	Alp Gru	1.7340	15200.	96	43299	No

129	GOM_TRA_1PNPDE20100611_230108_000000562090_00159_43299_8354.N1	11-JUN-2010 23:01:08	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	43299	No
130	GOM_TRA_1PNPDE20100611_230346_000000442090_00159_43299_8355.N1	11-JUN-2010 23:03:46	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	43299	No
131	GOM_TRA_1PNPDE20100611_231356_000000452090_00159_43299_8356.N1	11-JUN-2010 23:13:56	Twilight_stray	44.500	25	35Lam Sco	1.6200	28000.	89	43299	No
132	GOM_TRA_1PNPDE20100611_231537_000000612090_00159_43299_8357.N1	11-JUN-2010 23:15:37	Bright	60.500	57	34Sig Sgr	2.0660	26000.	121	43299	No
133	GOM_TRA_1PNPDE20100611_232043_000000422090_00159_43299_8358.N1	11-JUN-2010 23:20:43	Bright	42.000	86	35Eta Oph	2.4300	10200.	84	43299	No
134	GOM_TRA_1PNPDE20100611_232228_000000392090_00159_43299_8359.N1	11-JUN-2010 23:22:28	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	43299	No
135	GOM_TRA_1PNPDE20100611_232740_000000492090_00159_43299_8360.N1	11-JUN-2010 23:27:40	Bright	49.000	126	60Bet Oph	2.7700	4250.0	98	43299	No
136	GOM_TRA_1PNPDE20100611_233016_000000502090_00159_43299_8361.N1	11-JUN-2010 23:30:16	Bright	49.500	59	55Alp Oph	2.0800	8900.0	99	43299	No
137	GOM_TRA_1PNPDE20100611_233200_000000392090_00159_43299_8362.N1	11-JUN-2010 23:32:00	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	43299	No
138	GOM_TRA_1PNPDE20100611_233508_000000402090_00159_43299_8363.N1	11-JUN-2010 23:35:08	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	43299	No
139	GOM_TRA_1PNPDE20100611_234208_000000442090_00159_43299_8364.N1	11-JUN-2010 23:42:08	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	43299	No
140	GOM_TRA_1PNPDE20100611_235248_000000492090_00159_43299_8365.N1	11-JUN-2010 23:52:48	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43299	No
141	GOM_TRA_1PNPDE20100611_235904_000000562090_00159_43299_8366.N1	11-JUN-2010 23:59:04	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	43299	No

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



4. Overview of dark signal processing per product

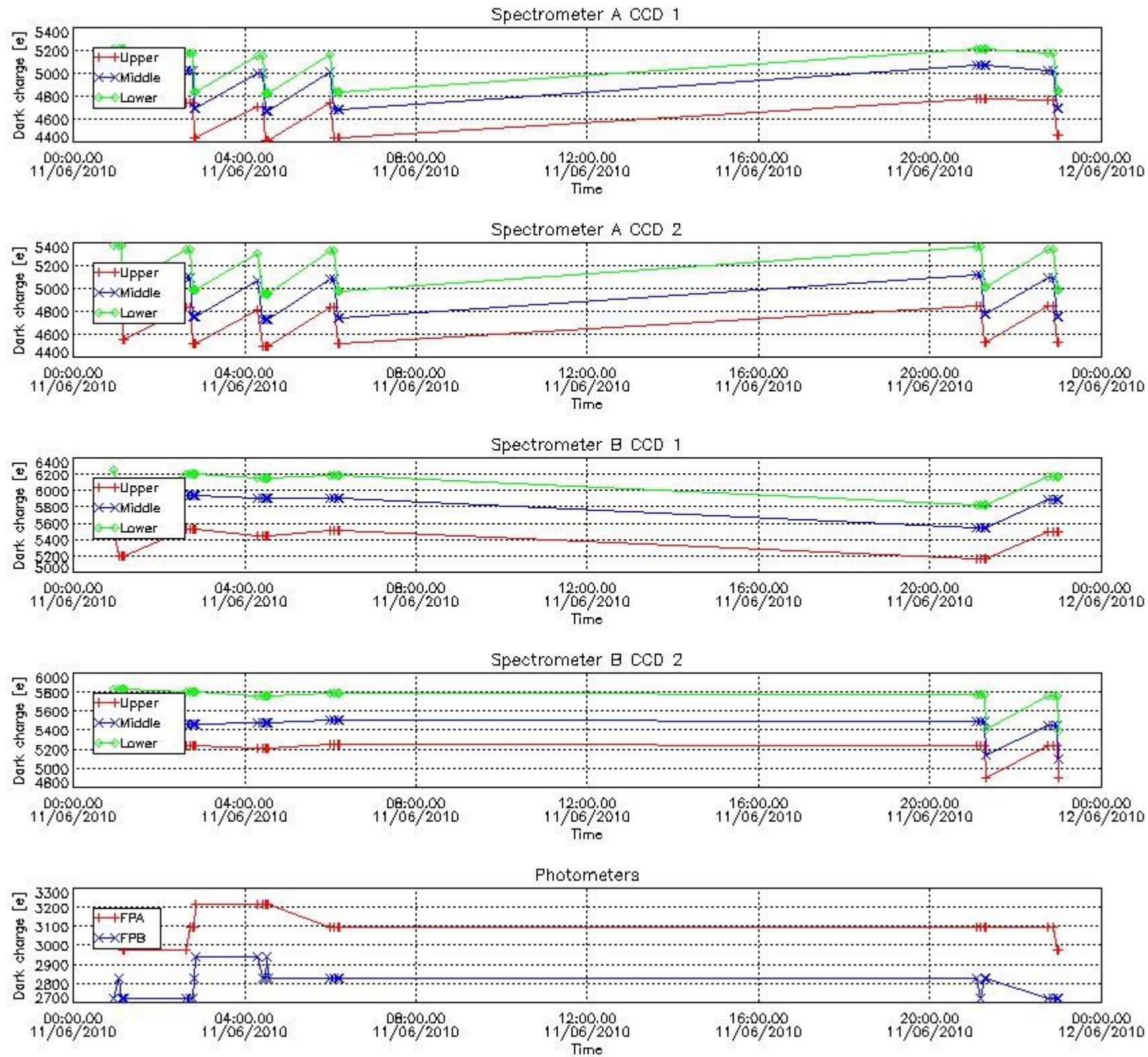
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100611_195244_000000452090_00157_43297_8310.N1	DC map used
GOM_TRA_1PNPDE20100611_195425_000000612090_00157_43297_8311.N1	DC map used
GOM_TRA_1PNPDE20100611_195931_000000412090_00157_43297_8312.N1	DC map used
GOM_TRA_1PNPDE20100611_200116_000000402090_00157_43297_8313.N1	DC map used
GOM_TRA_1PNPDE20100611_200629_000000482090_00157_43297_8314.N1	DC map used
GOM_TRA_1PNPDE20100611_200905_000000462090_00157_43297_8315.N1	DC map used
GOM_TRA_1PNPDE20100611_201048_000000392090_00157_43297_8316.N1	DC map used
GOM_TRA_1PNPDE20100611_201357_000000422090_00157_43297_8317.N1	DC map used
GOM_TRA_1PNPDE20100611_202058_000000432090_00157_43297_8318.N1	DC map used
GOM_TRA_1PNPDE20100611_203137_000000482090_00157_43297_8319.N1	DC map used
GOM_TRA_1PNPDE20100611_203752_000000402090_00157_43297_8320.N1	DC map used
GOM_TRA_1PNPDE20100611_204351_000000392090_00157_43297_8321.N1	DC map used
GOM_TRA_1PNPDE20100611_204611_000000592090_00157_43297_8322.N1	DC map used
GOM_TRA_1PNPDE20100611_204931_000000552090_00157_43297_8323.N1	DC map used

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



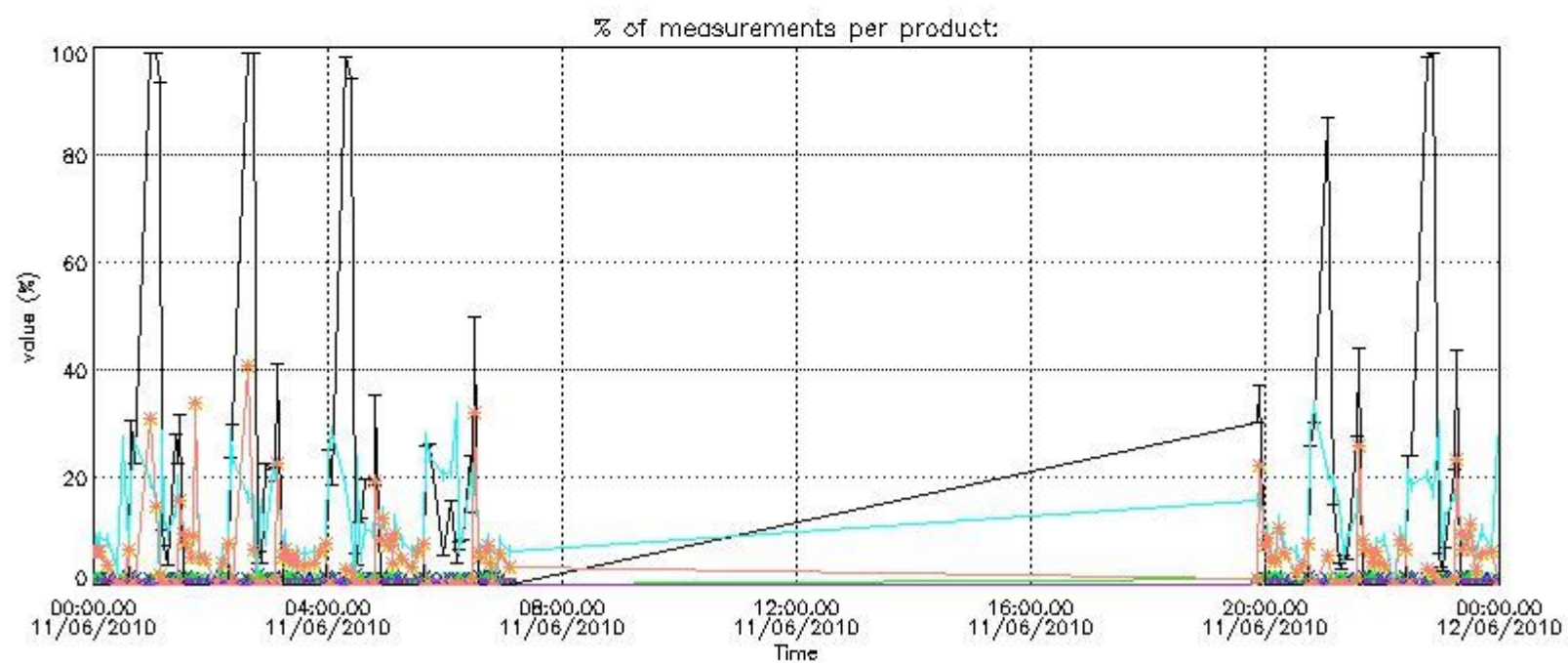
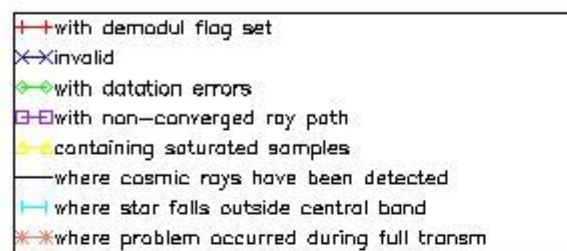
5. Demodulation flag and quality information monitoring

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.

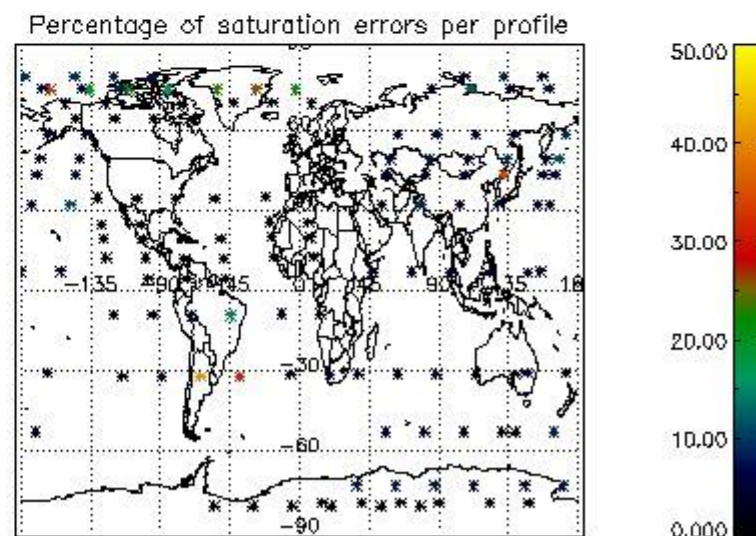
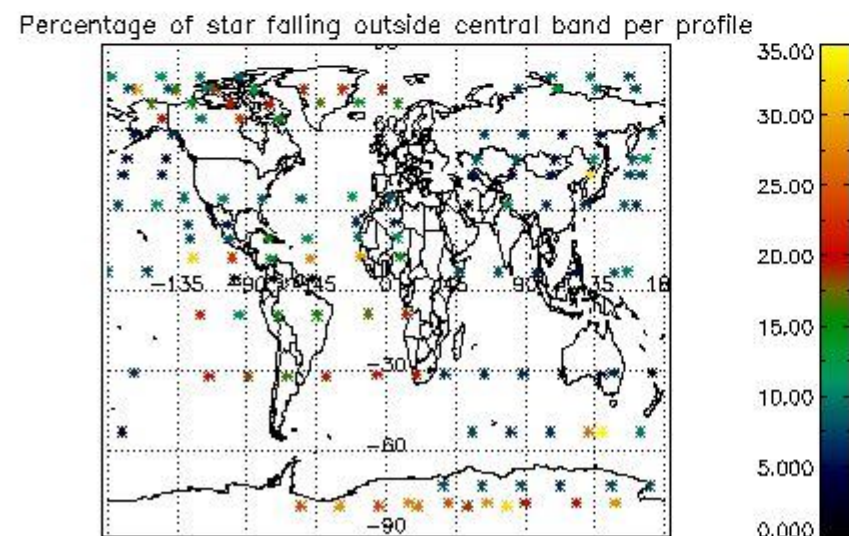
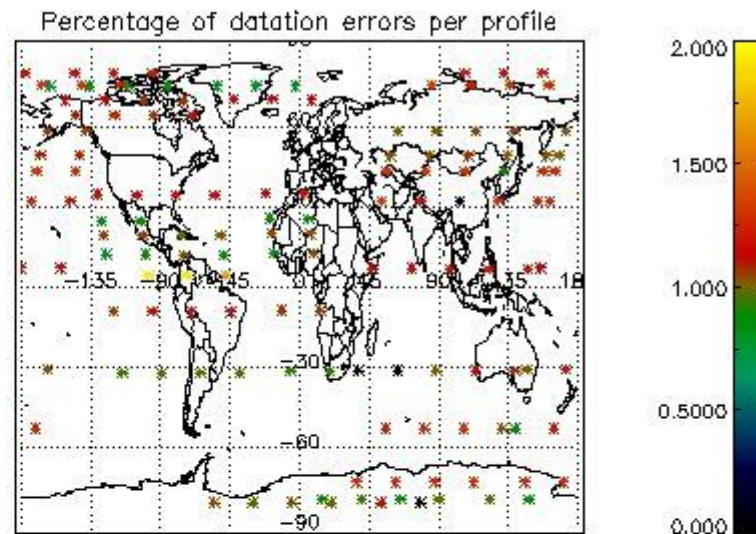
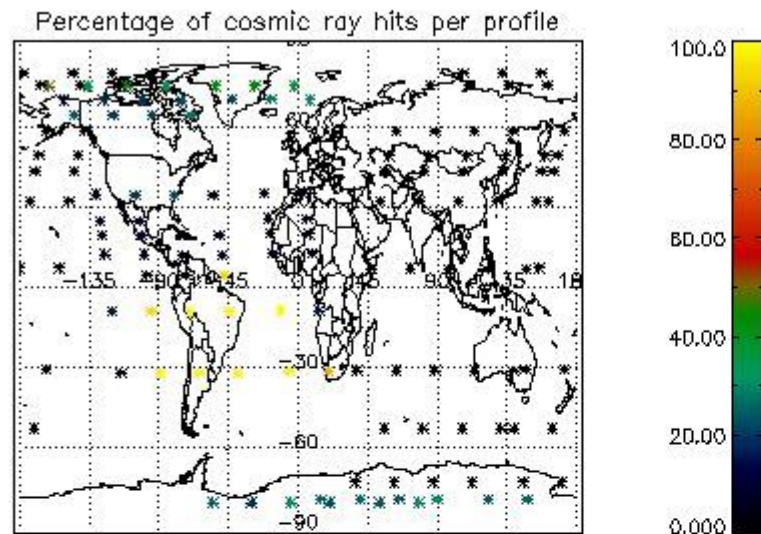
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	36.8794 %
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)



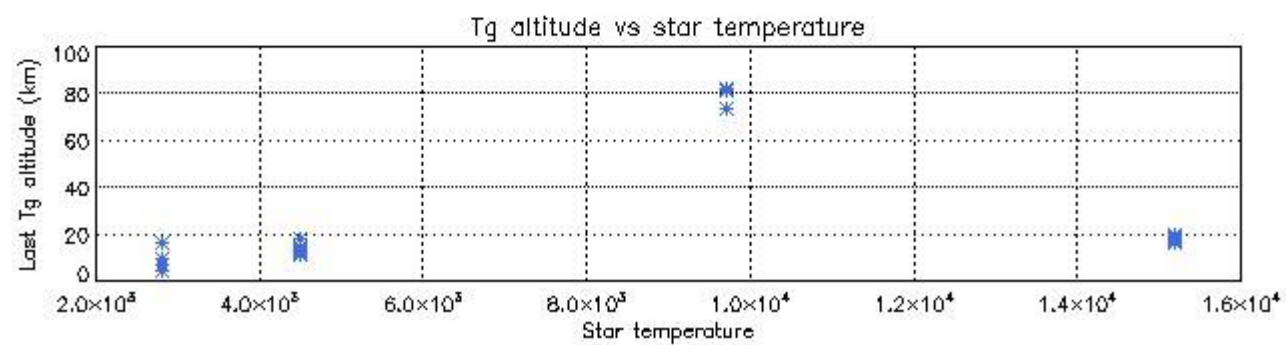
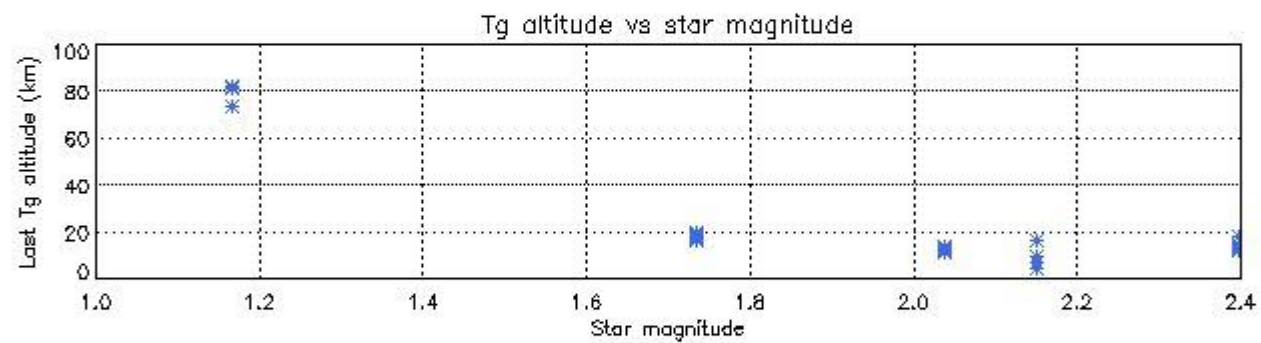
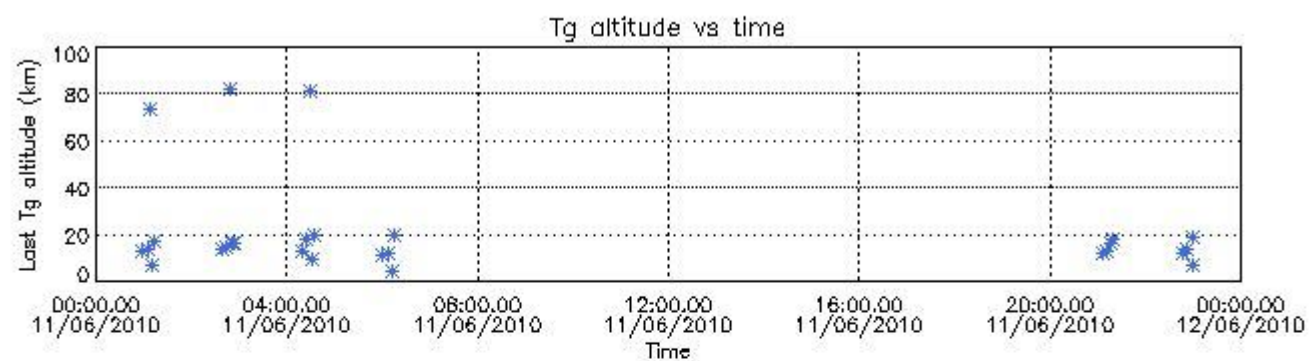
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	20.861	18.904	8.6429
St. deviation:	21.325	3.9724	2.3833
Maximum:	82.005	27.015	12.244
Minimum:	4.2381	4.2132	5.1302
Number of data:	27.000	81.000	6.0000

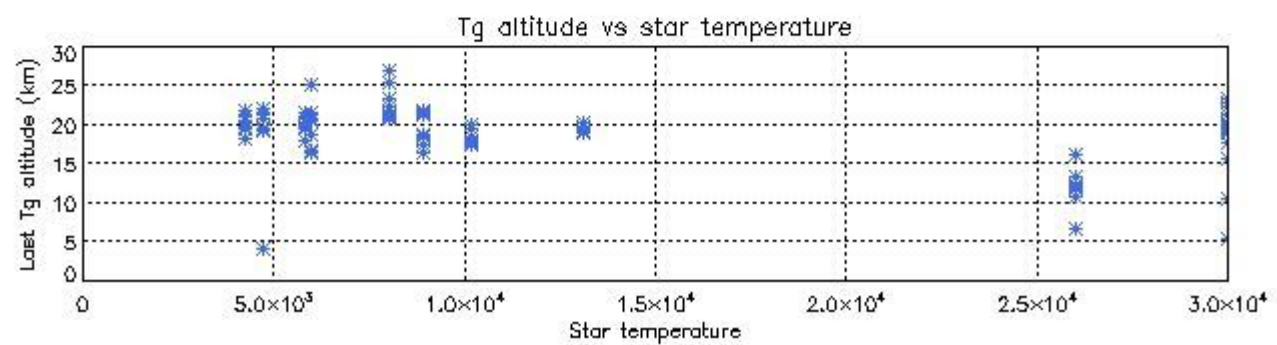
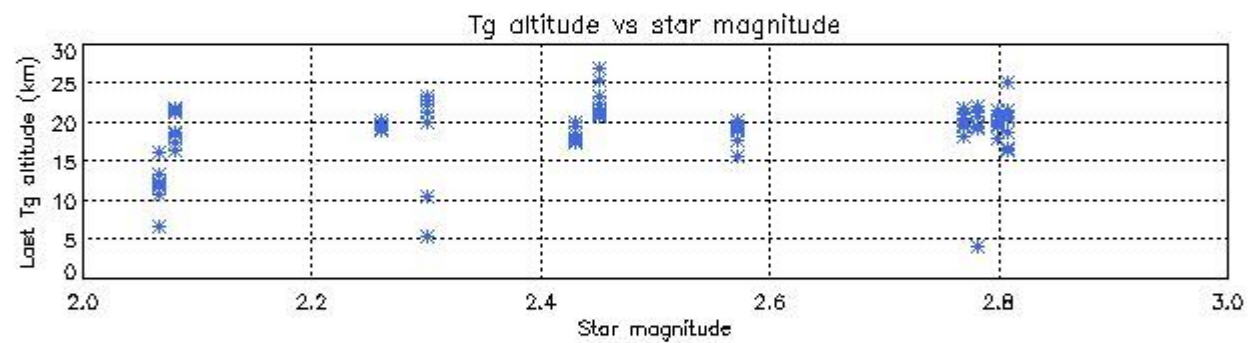
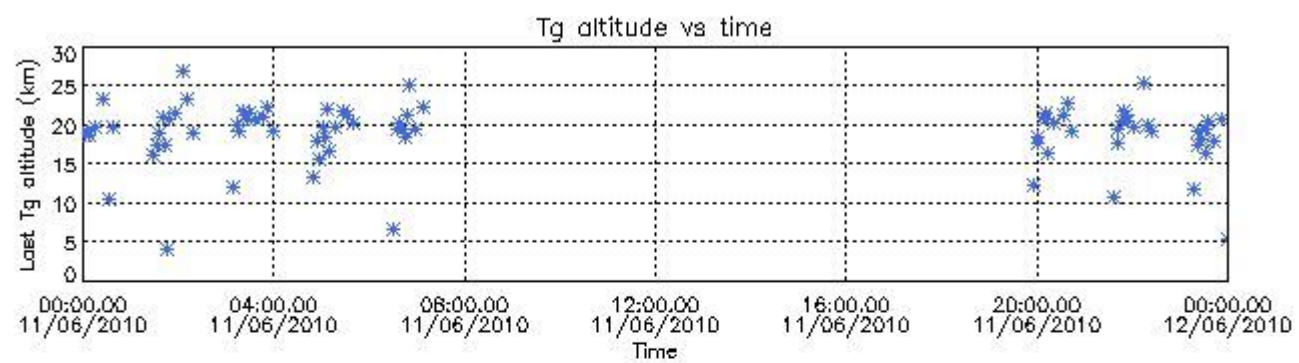
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



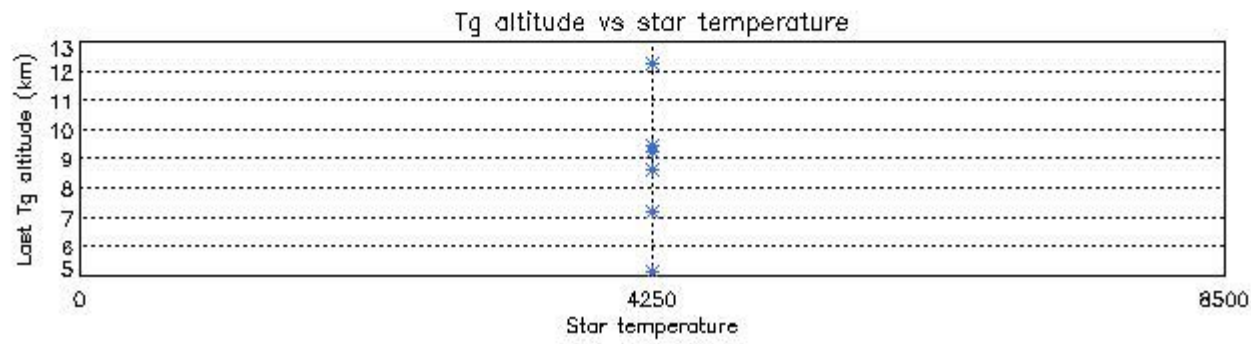
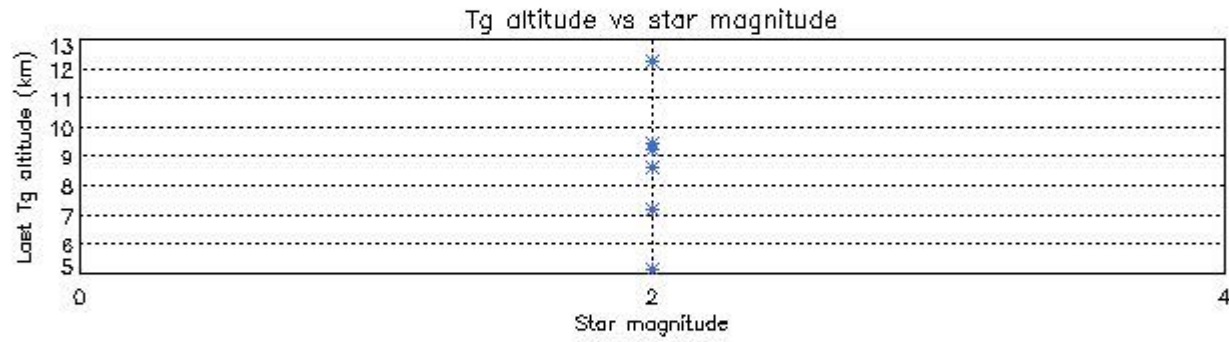
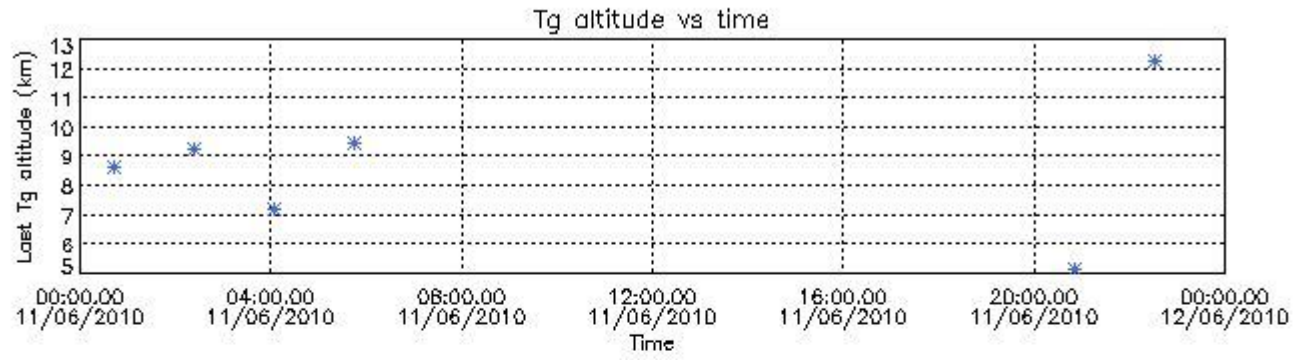
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

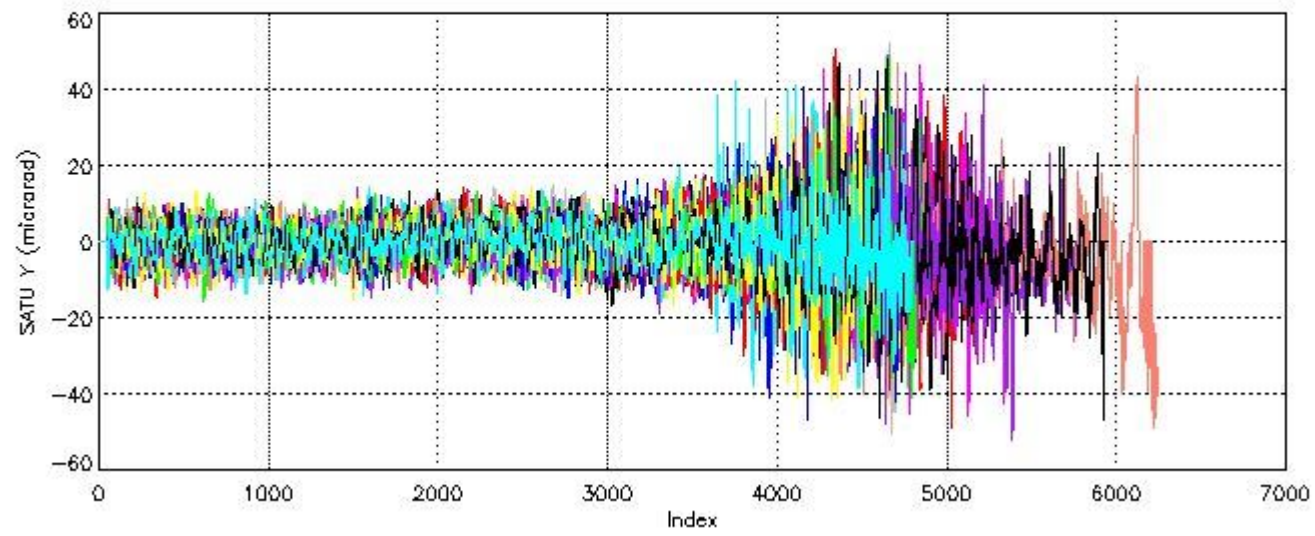
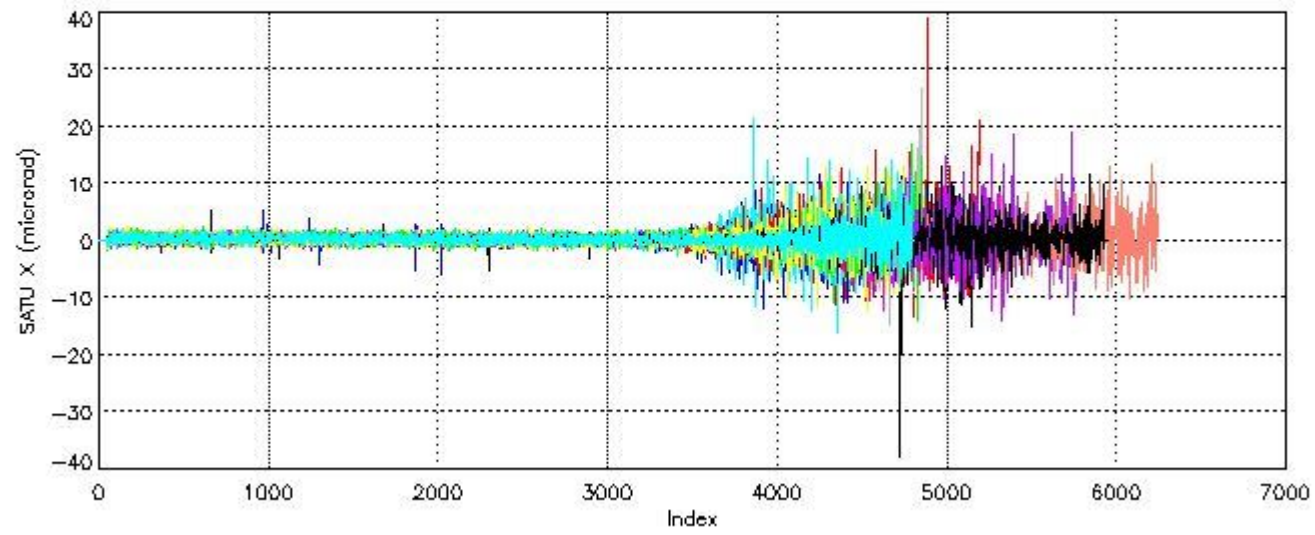


7. Star Acquisition and Tracking Unit (SATU)

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:	0.22729	-0.68207	0.22808	-0.61520
St. deviation:	0.39978	3.8015	0.81904	3.6363
Maximum:	5.1000	13.200	4.5000	14.500
Minimum:	-3.1000	-16.000	-3.5000	-15.800

Number of data:	30100.	30100.	83550.	83550.
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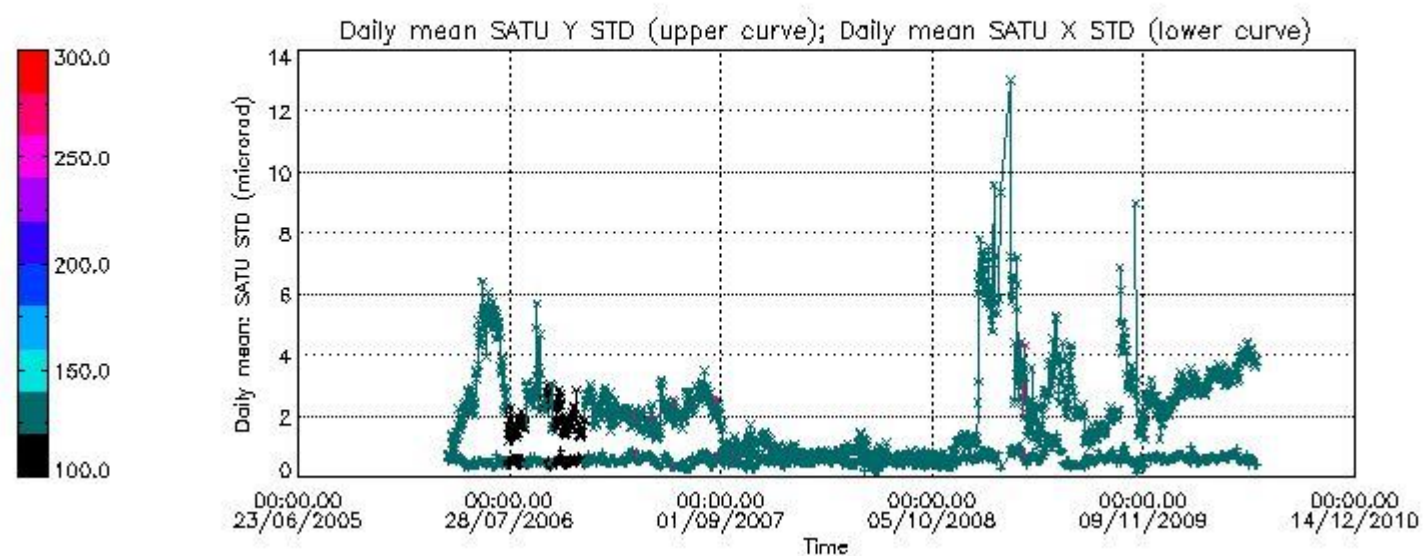
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

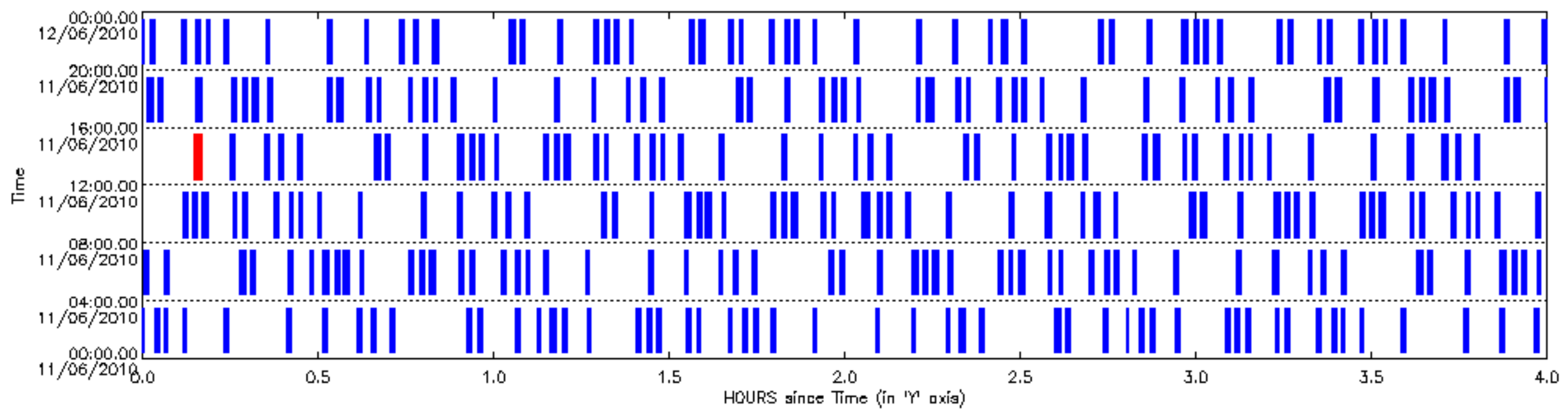
Lower curve: STD of SATU X axis

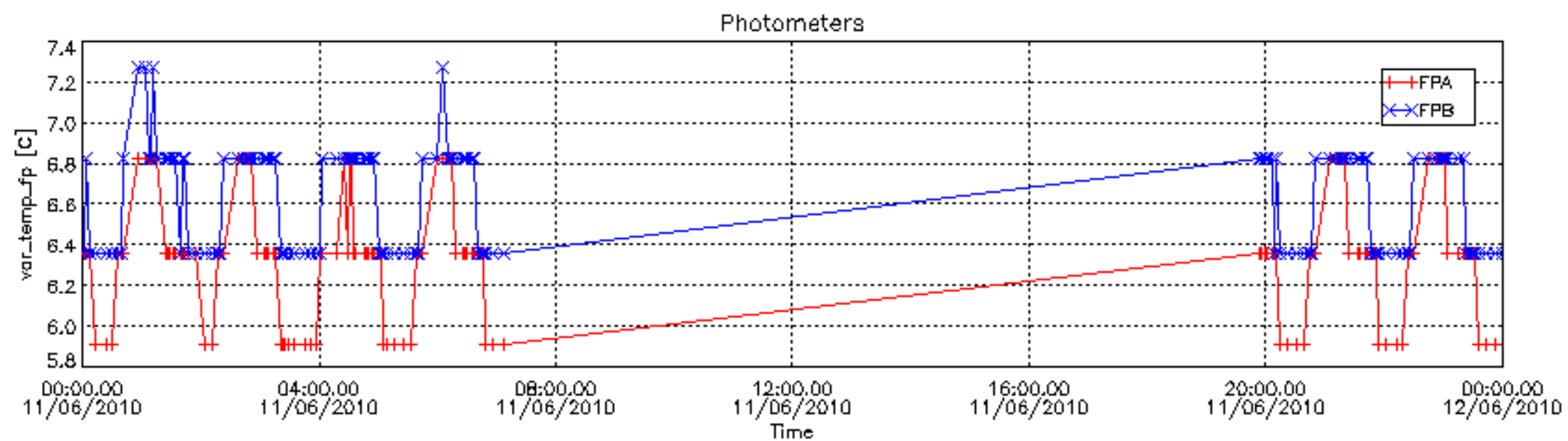
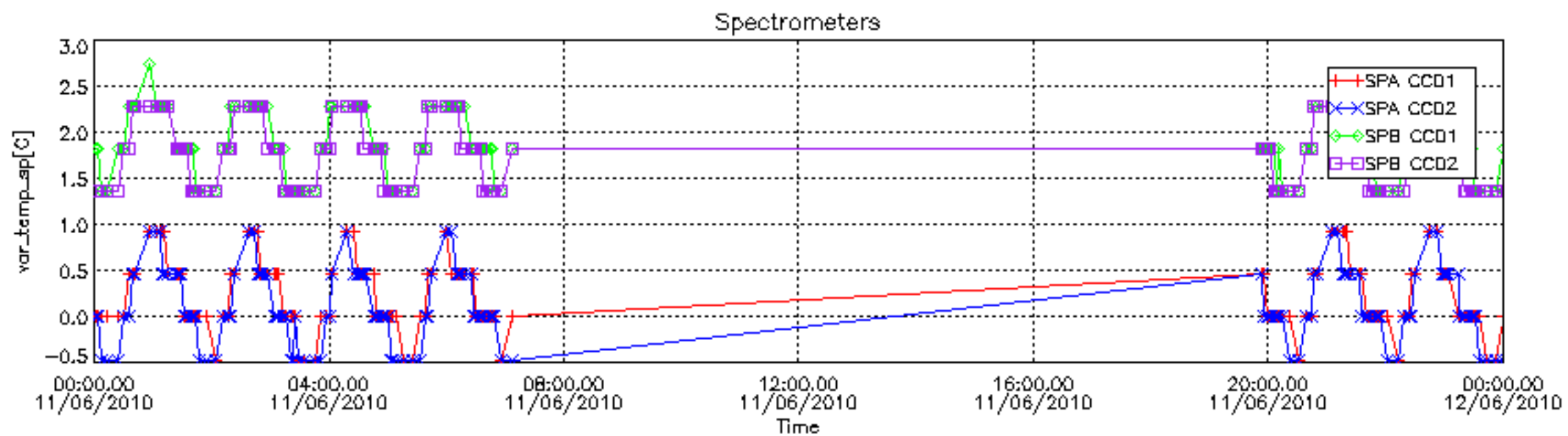


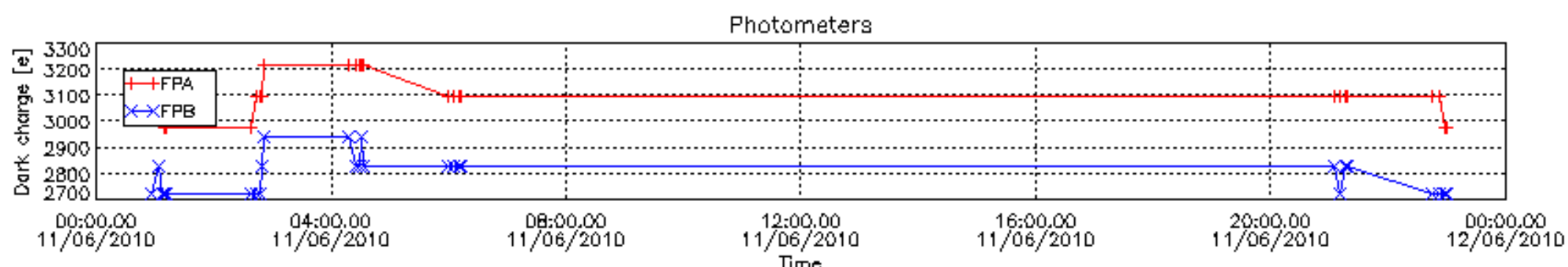
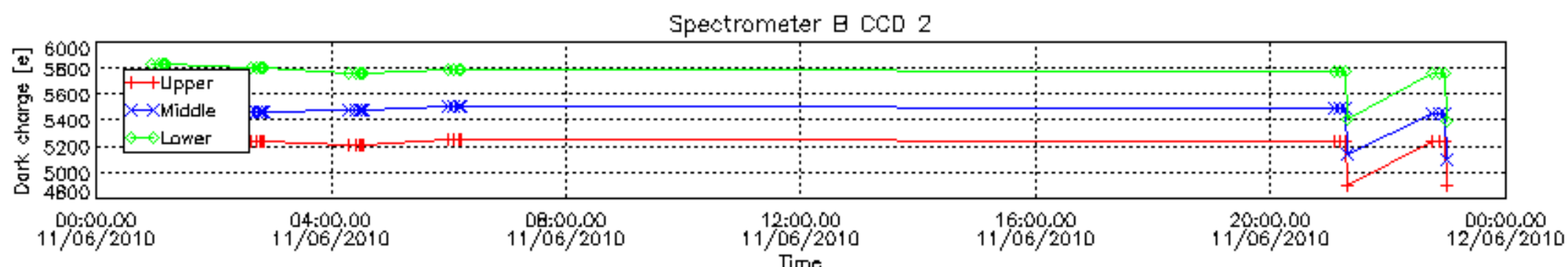
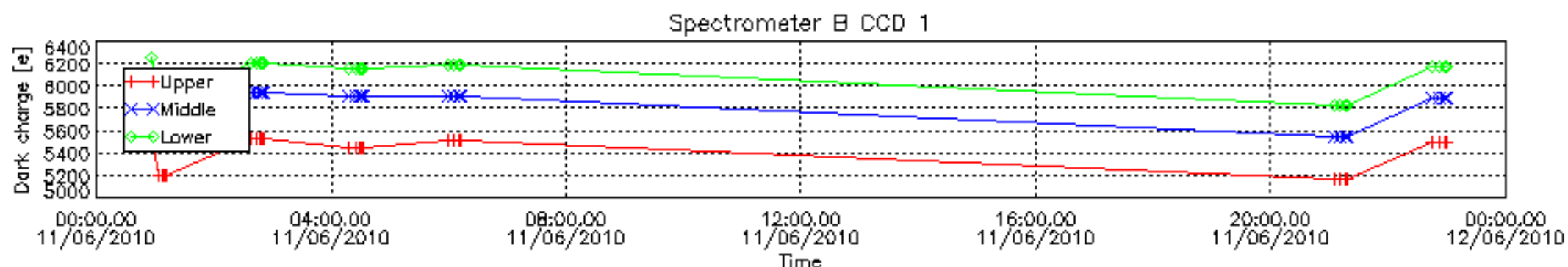
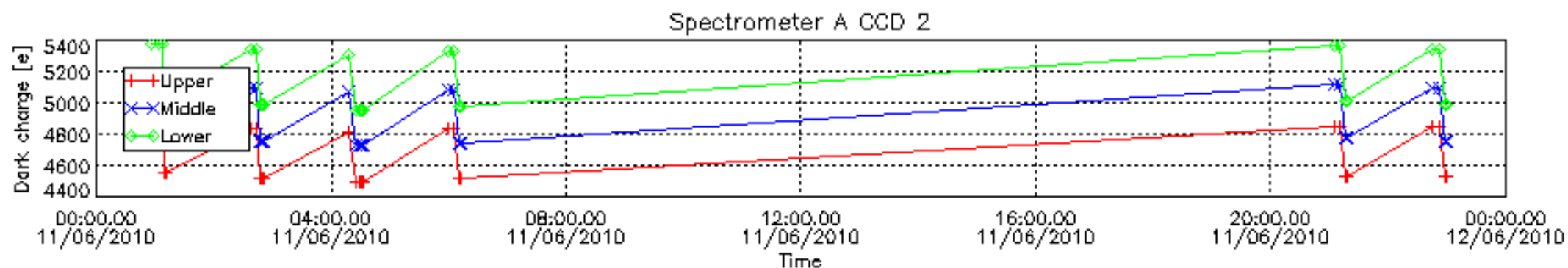
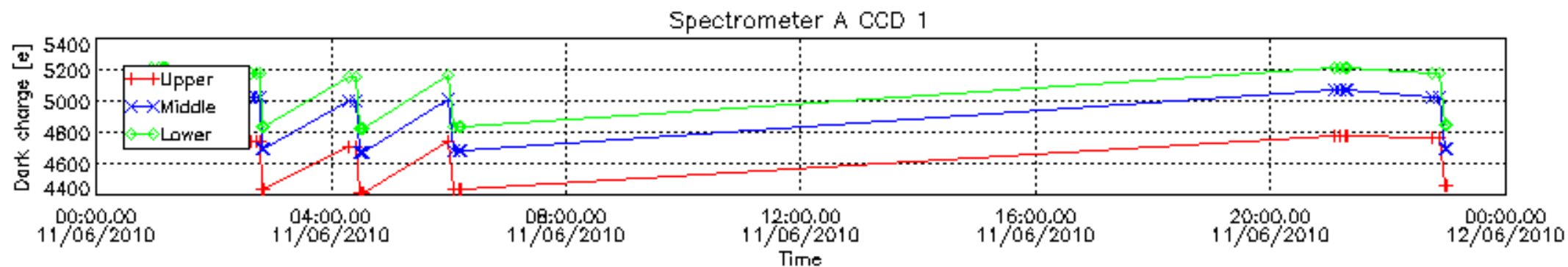
8. Auxiliary Data Files used for the production reported in section 2.4

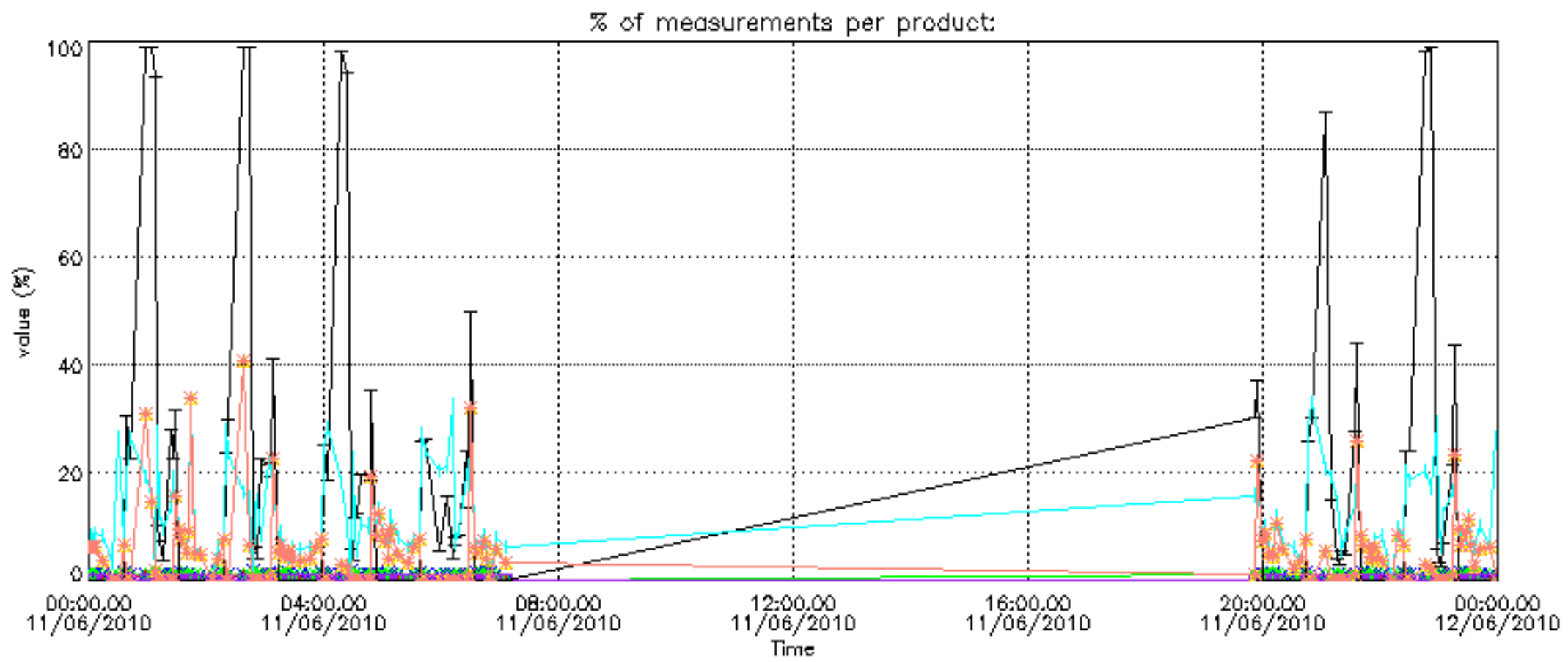
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	11-JUN-2010 00:01:59
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100609_081029_20100607_000000_20500101_000000	1	11-JUN-2010 00:01:59
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	11-JUN-2010 00:01:59
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	11-JUN-2010 00:01:59
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	11-JUN-2010 00:01:59
ECMWF_FILE	AUX_ECF_AXNECM20100610_054115_20100610_210000_20100611_090000	1	11-JUN-2010 00:01:59
ECMWF_FILE	AUX_ECF_AXNECM20100610_172116_20100611_030000_20100611_150000	46	11-JUN-2010 03:35:03
ECMWF_FILE	AUX_ECA_AXNECM20100611_052114_20100610_210000_20100611_090000	70	11-JUN-2010 05:32:31
ECMWF_FILE	AUX_ECA_AXNECM20100611_183616_20100611_090000_20100611_210000	91	11-JUN-2010 19:52:44
ECMWF_FILE	AUX_ECF_AXNECM20100611_054116_20100611_210000_20100612_090000	105	11-JUN-2010 21:04:29
OPTIONAL_ECMWF_FILE	MISSING	1	11-JUN-2010 00:01:59
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100610_231332_000057382090_00144_43284_0526.N1	1	11-JUN-2010 00:01:59
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100611_005429_000092452090_00145_43285_0527.N1	10	11-JUN-2010 00:57:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100611_033353_000063762090_00147_43287_0528.N1	46	11-JUN-2010 03:35:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100611_052527_000057382090_00148_43288_0529.N1	70	11-JUN-2010 05:32:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100611_194611_000038252090_00157_43297_0530.N1	91	11-JUN-2010 19:52:44
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100611_092114_20100610_182346_20100620_213035	105	11-JUN-2010 21:04:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100611_224131_000054192090_00158_43298_0532.N1	125	11-JUN-2010 22:45:06

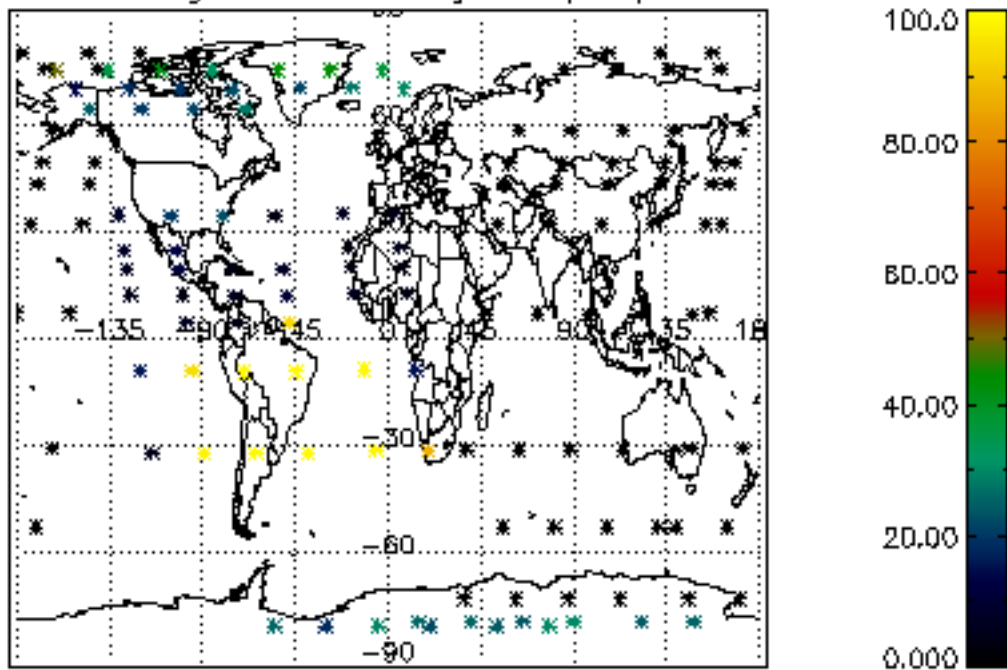




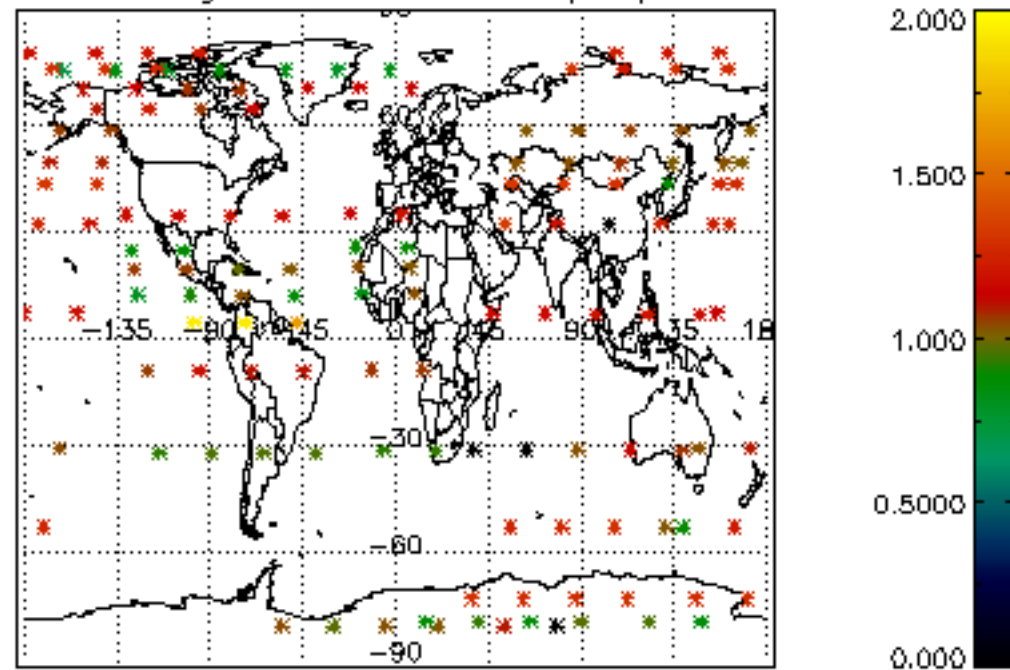




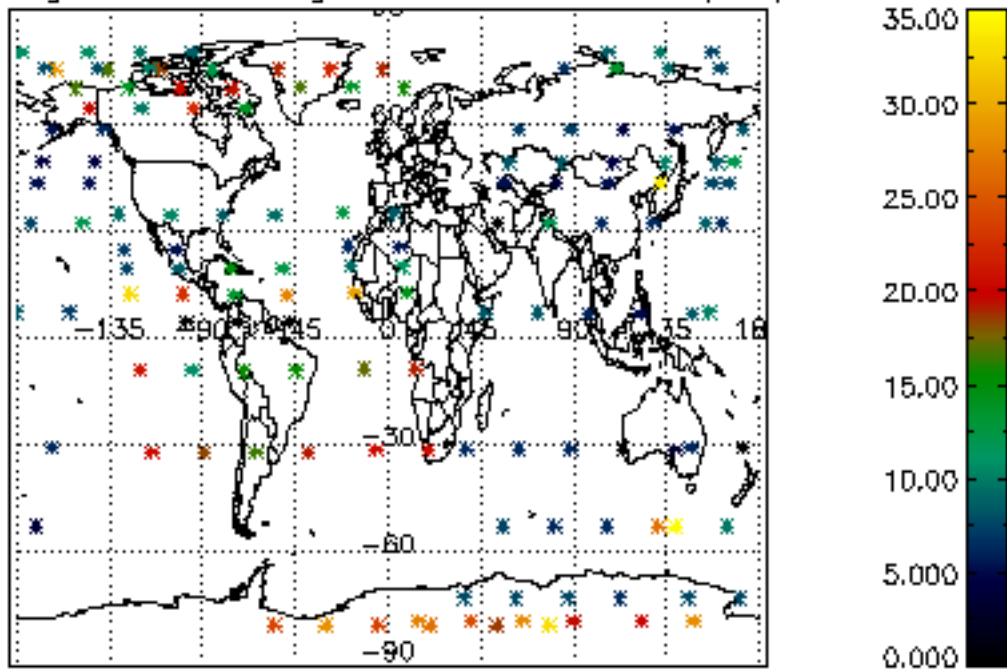
Percentage of cosmic ray hits per profile



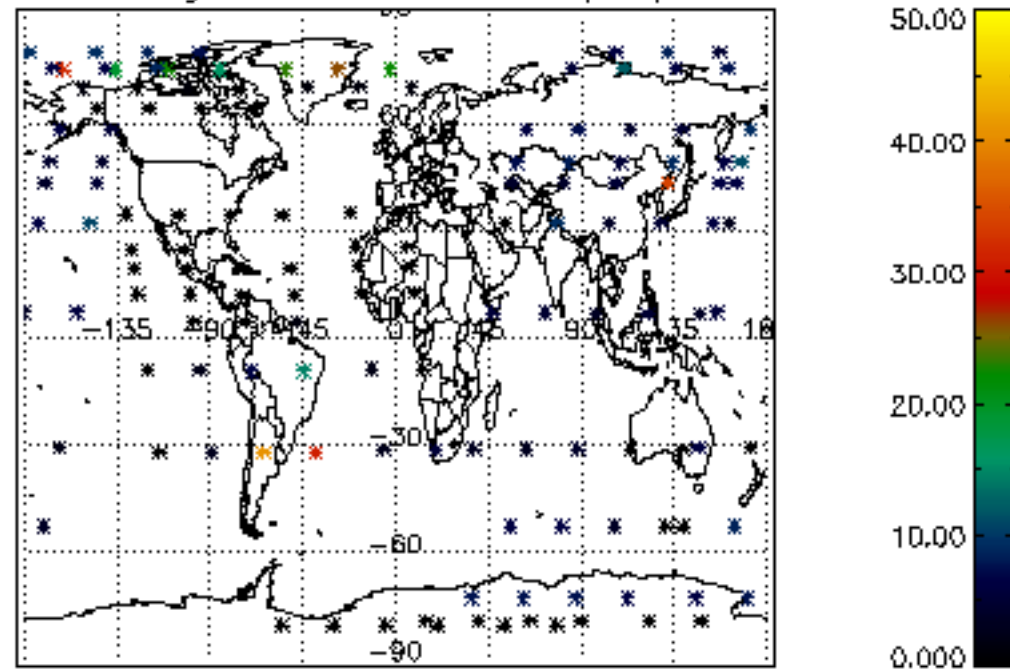
Percentage of datation errors per profile



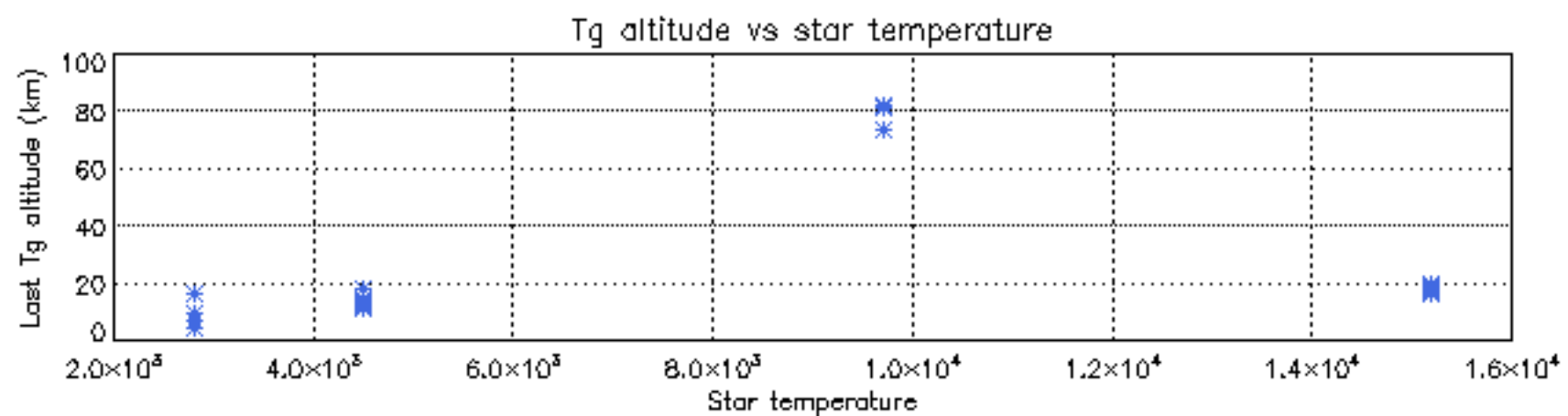
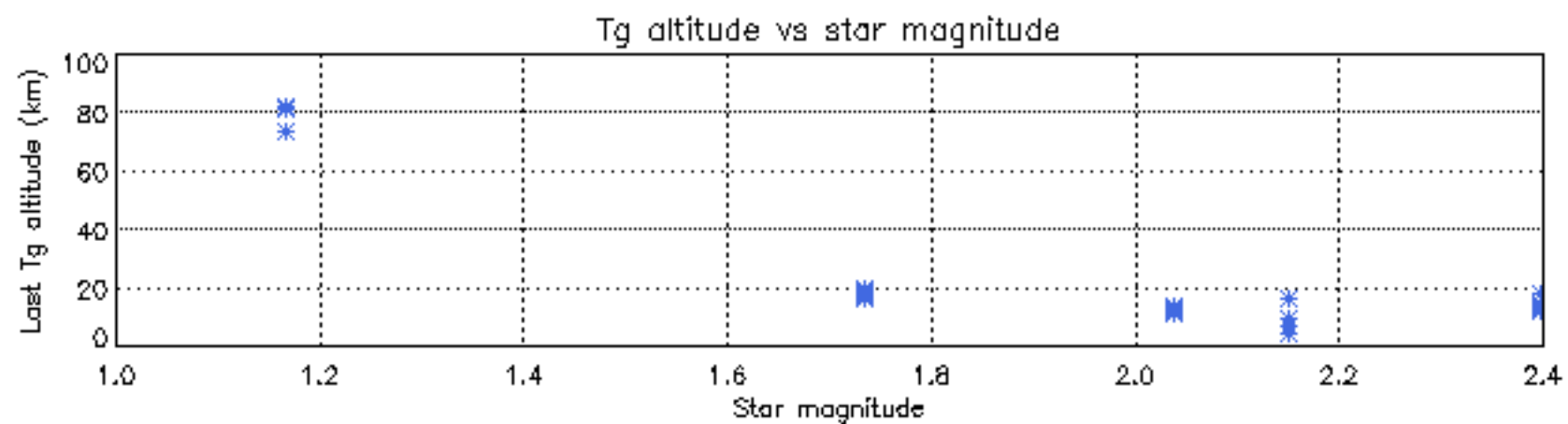
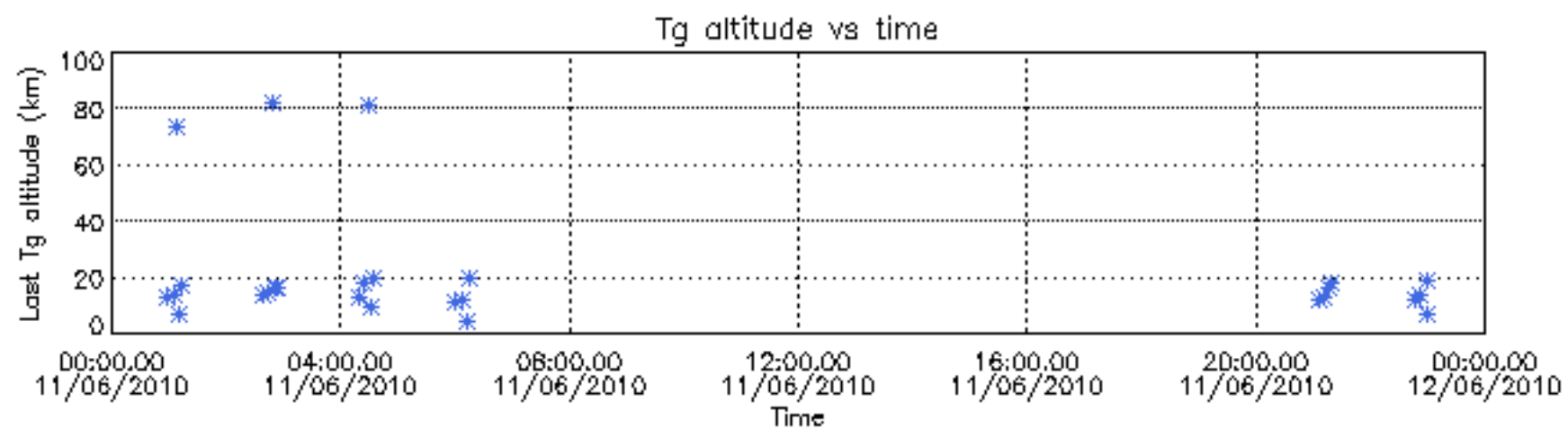
Percentage of star falling outside central band per profile



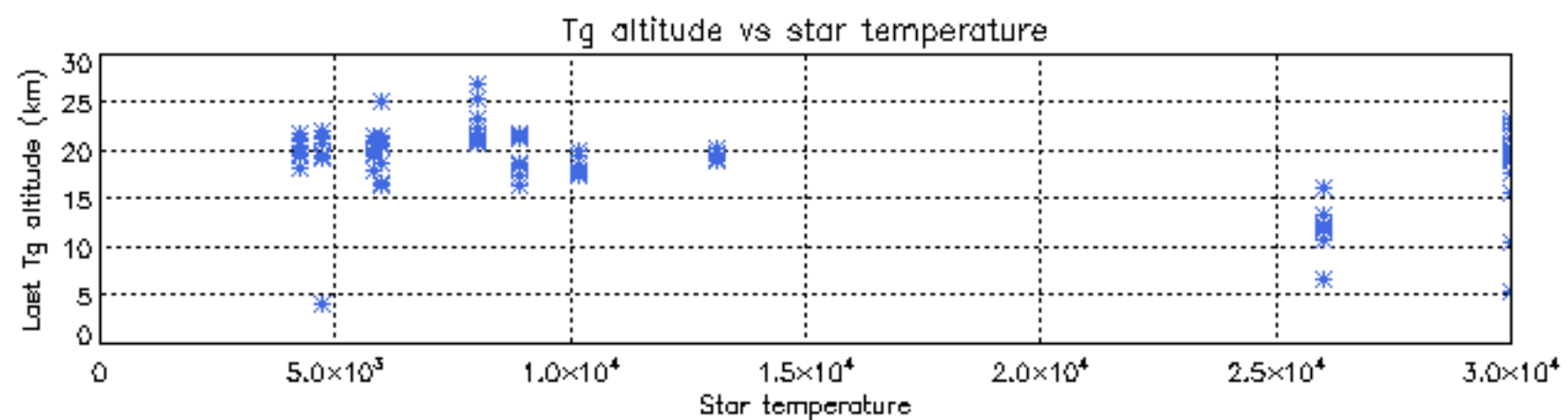
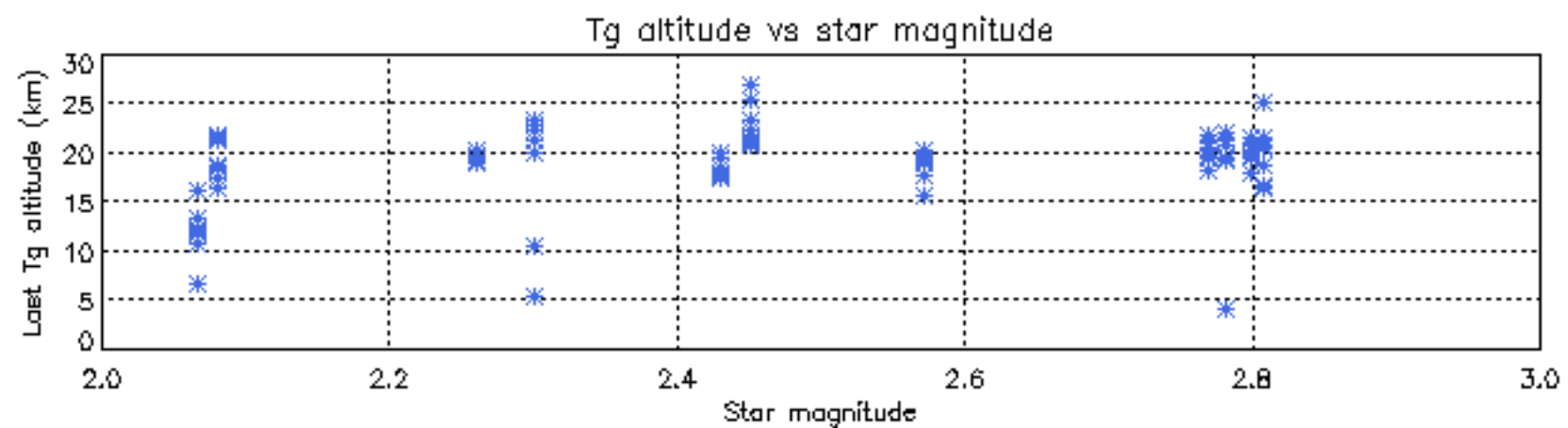
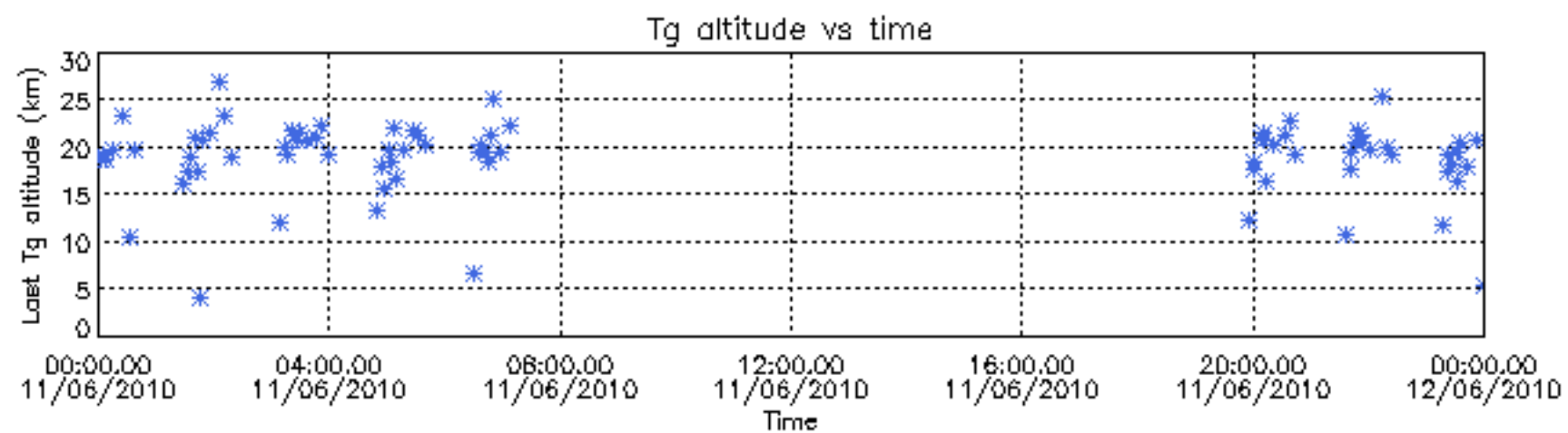
Percentage of saturation errors per profile



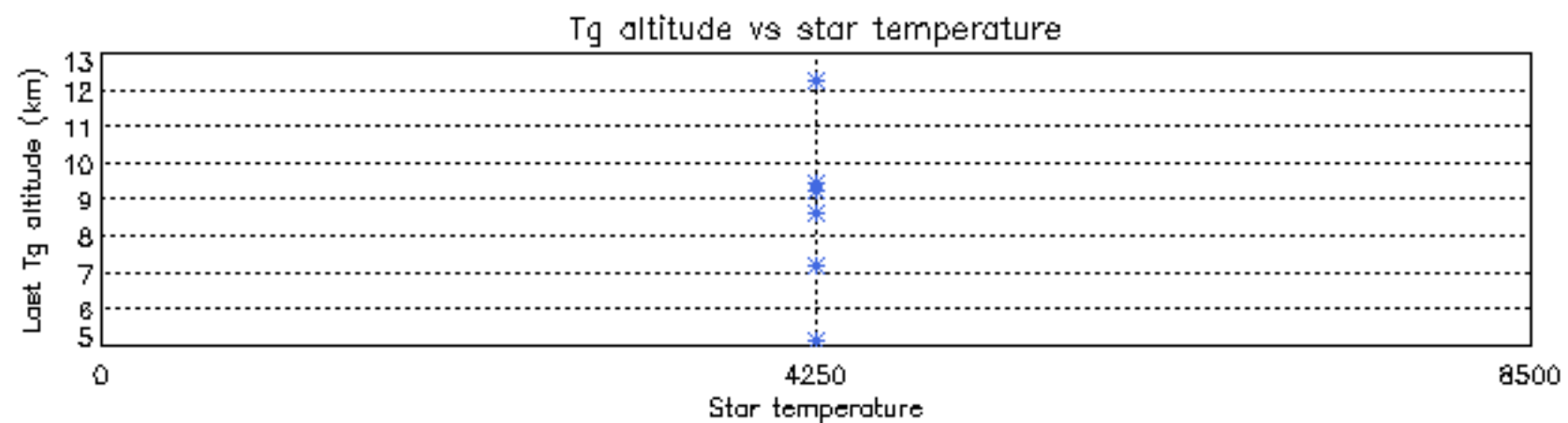
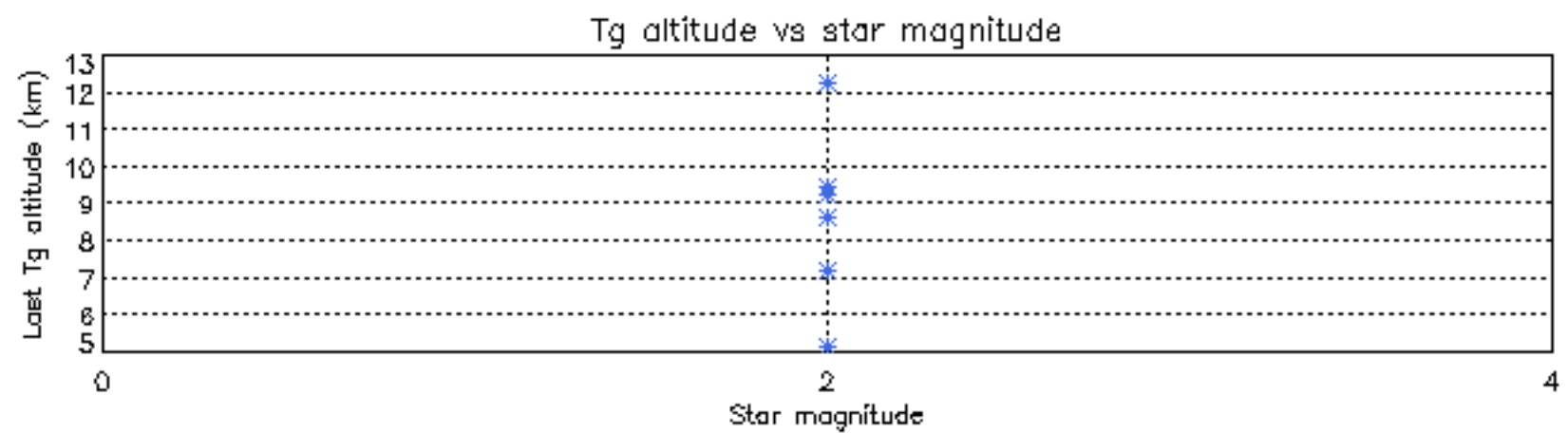
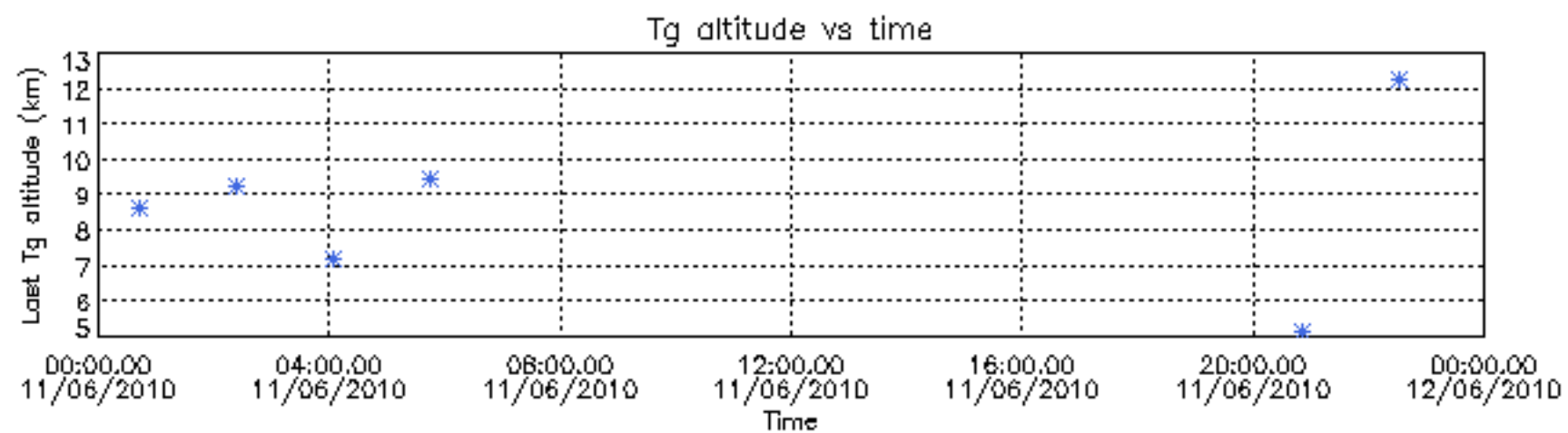
Tangent altitude at which the star is lost

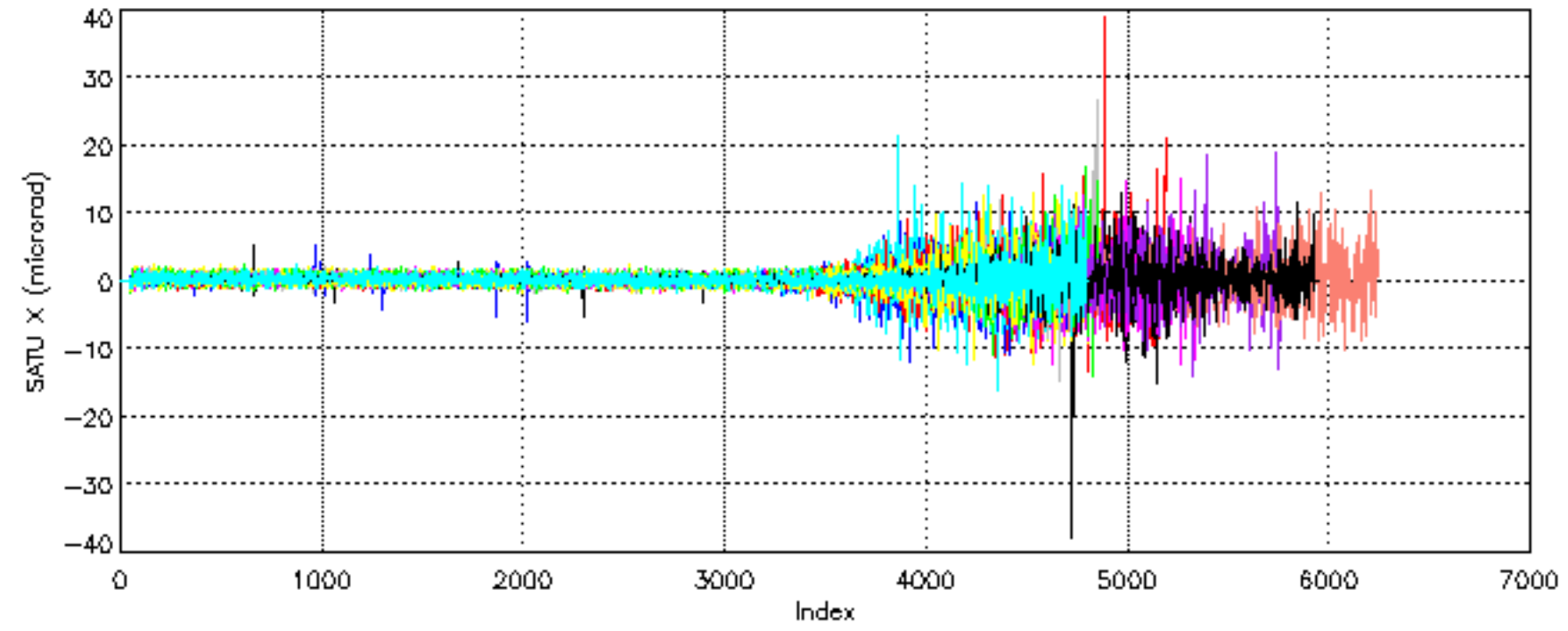


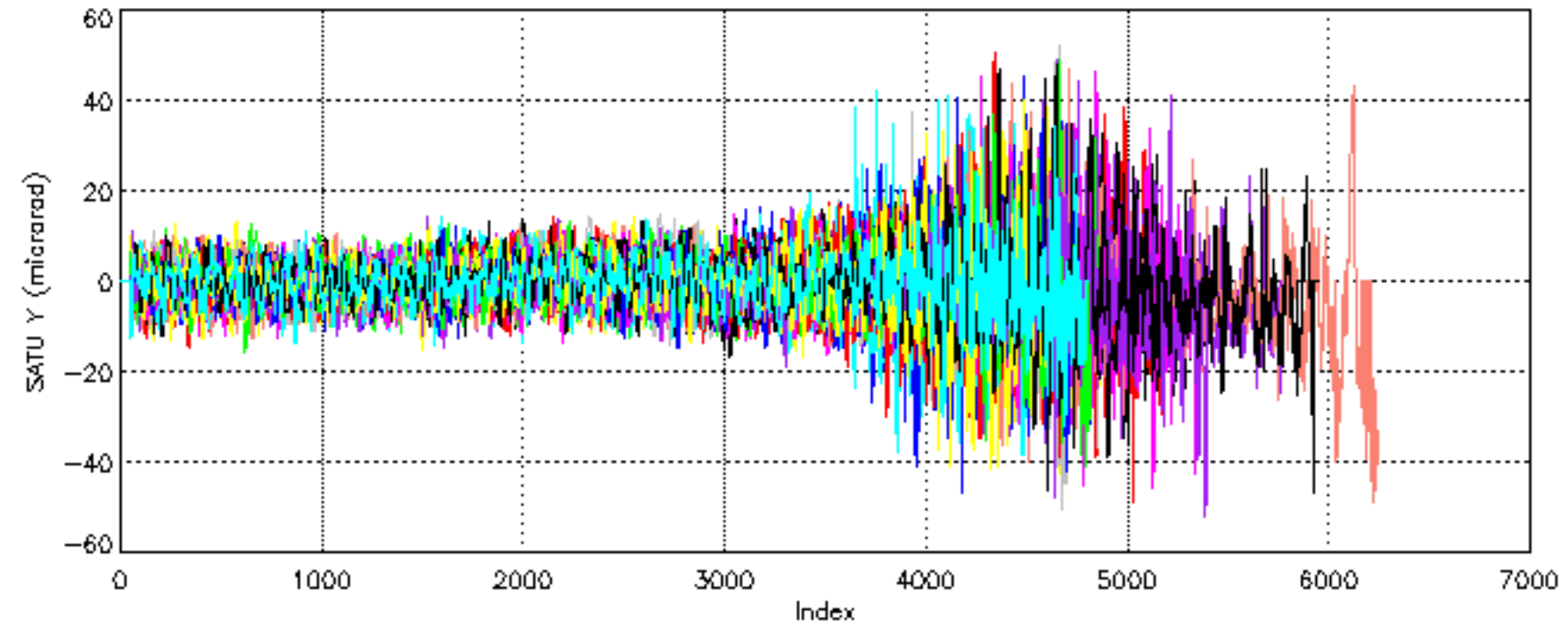
Tangent altitude at which the star is lost

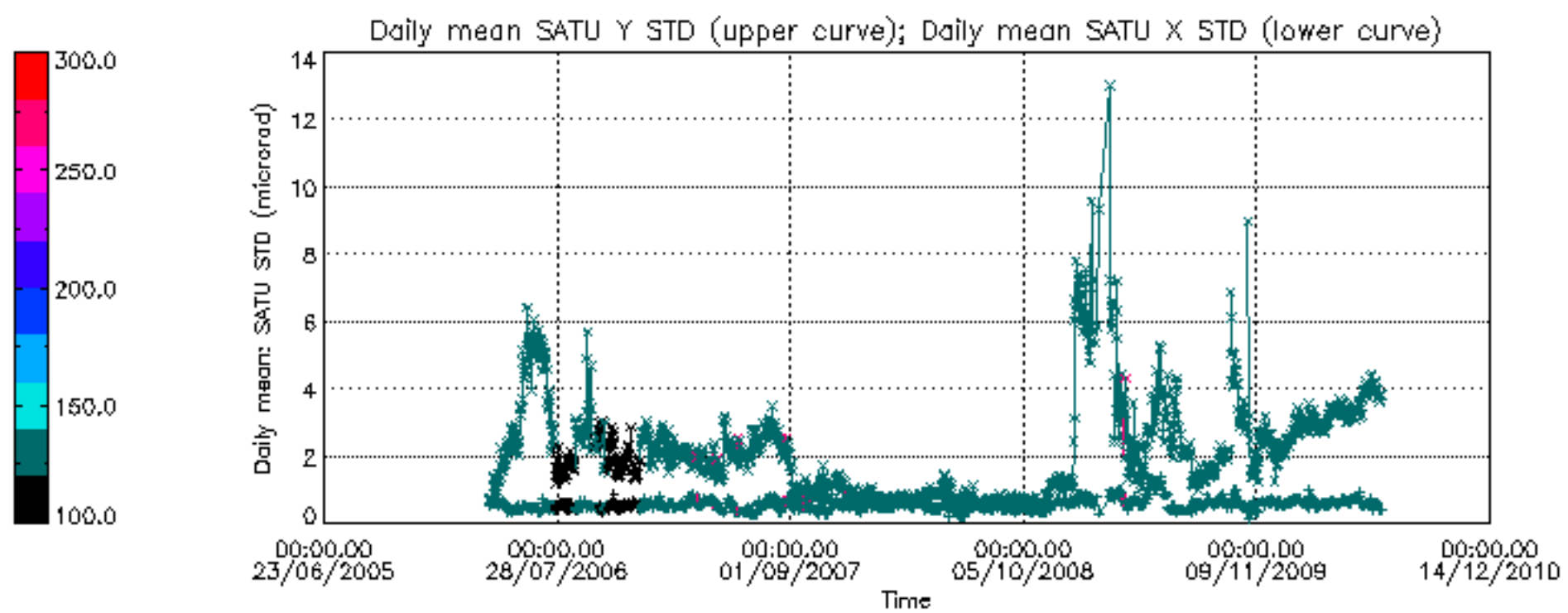


Tangent altitude at which the star is lost









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 4; 187.0; 01-JUN-2010 01:23:38; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43143
 5; 486.0; 01-JUN-2010 01:28:37; Dark ; 44.0; 45; Alp Pav ; 1.94; 26000;occ; 88; 0;43143
 6; 933.8; 01-JUN-2010 01:36:05; Dark ; 40.0; 147; Alp Ara ; 2.88; 26000;occ; 80; 0;43143
 7; 1034.9; 01-JUN-2010 01:37:46; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43143
 8; 1142.8; 01-JUN-2010 01:39:34; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43143
 9; 1249.5; 01-JUN-2010 01:41:21; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;43143
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 18; 3005.3; 01-JUN-2010 02:10:37; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;43143
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 23; 4851.4; 01-JUN-2010 02:41:23; Dark ; 51.5; 140; 88Gam Peg ; 2.83; 26000;occ; 103; 0;43143
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 2; 3629.4; 01-JUN-2010 04:01:37; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;43144
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 11; 6224.6; 01-JUN-2010 04:44:52; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;43145
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 13; 6970.6; 01-JUN-2010 04:57:18; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;43145
 14; 7072.2; 01-JUN-2010 04:58:59; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43145
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 21; 7869.6; 01-JUN-2010 05:12:17; Bright; 40.0; 120; 1Del Oph ; 2.73; 3200;occ; 80; 0;43145
 22; 8050.5; 01-JUN-2010 05:15:18; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;43145
 23; 8405.1; 01-JUN-2010 05:21:12; Bright; 36.5; 67; 5Alp CrB ; 2.22; 11000;occ; 73; 0;43145
 24; 8564.6; 01-JUN-2010 05:23:52; Bright; 44.0; 133; 40Zet Her ; 2.81; 6000;occ; 88; 0;43145
 25; 9040.7; 01-JUN-2010 05:31:48; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43145

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8; 77.3; 01-JUN-2010 06:23:37; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;43146
9; 190.0; 01-JUN-2010 06:25:29; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43146
10; 488.6; 01-JUN-2010 06:30:28; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43146
11; 935.0; 01-JUN-2010 06:37:54; Dark ; 41.0; 147; Alp Ara ; 2.88; 26000;occ; 82; 0;43146
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18; 1702.5; 01-JUN-2010 06:50:42; Bright; 42.0; 98; 13Zet Oph ; 2.57; 30000;occ; 84; 0;43146
19; 1833.8; 01-JUN-2010 06:52:53; Bright; 40.5; 120; 1Del Oph ; 2.73; 3200;occ; 81; 0;43146
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21; 2368.8; 01-JUN-2010 07:01:48; Bright; 39.5; 67; 5Alp CrB ; 2.22; 11000;occ; 79; 0;43146
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3;-1479.8; 01-JUN-2010 07:38:15; Dark ; 56.0; 58; 21Alp And ; 2.07; 11000;occ; 112; 0;43146
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9; 78.4; 01-JUN-2010 08:04:14; Dark ; 61.0; 63; Bet Gru ; 2.15; 2800;occ; 122; 0;43147
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11; 488.7; 01-JUN-2010 08:11:04; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43147
12; 935.2; 01-JUN-2010 08:18:30; Dark ; 41.5; 147; Alp Ara ; 2.88; 26000;occ; 83; 0;43147
13; 1036.7; 01-JUN-2010 08:20:12; Dark ; 45.5; 40; The Sco ; 1.86; 7100;occ; 91; 0;43147
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 2; 1384.8; 04-JUN-2010 16:54:45; Dark ; 50.5; 136; 23Tau Sco ; 2.82; 30000;occ; 101; 0;43195
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 22; 7093.7; 04-JUN-2010 18:29:53; Dark ; 46.0; 40; The Sco ; 1.86; 7100;occ; 92; 0;43196

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 2; 1164.8; 04-JUN-2010 20:12:17; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;43197
 3; 1265.4; 04-JUN-2010 20:13:57; Dark ; 44.0; 75; 26Eps Sco ; 2.29; 4250;occ; 88; 0;43197
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 13; 4398.6; 04-JUN-2010 21:06:10; Bright; 49.5; 53; 43Bet And ; 2.05; 3300;occ; 99; 0;43197
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17; 6441.1; 16-JUN-2010 17:01:24; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43367
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2; 1298.8; 16-JUN-2010 20:37:30; Dark ; 51.0; 116; 19Del Sgr ; 2.70; 4100;occ; 102; 0;43369
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 9; 3484.4; 16-JUN-2010 21:13:56; Bright; 49.5; 89; 5Alp Cep ; 2.45; 8000;occ; 99; 0;43369
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 13; 4411.6; 16-JUN-2010 21:29:23; Dark ; 60.5; 53; 43Bet And ; 2.05; 3300;occ; 121; 0;43369
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 13; 2154.6; 17-JUN-2010 00:12:58; Bright; 62.0; 59; 55Alp Oph ; 2.08; 8900;occ; 124; 0;43371
 14; 2275.5; 17-JUN-2010 00:14:59; Bright; 36.0; 127; 27Bet Her ; 2.78; 4700;occ; 72; 0;43371
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 6; 2276.1; 16-JUN-2010 17:32:35; Bright; 38.0; 127; 27Bet Her ; 2.78; 4700;occ; 76; 0;43367
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 9; 3486.1; 16-JUN-2010 17:52:45; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;43367
 10; 3874.8; 16-JUN-2010 17:59:14; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;43367

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13; 4411.6; 16-JUN-2010 18:08:11; Dark ; 60.5; 53; 43Bet And ; 2.05; 3300;occ; 121; 0;43367
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16; 5573.3; 16-JUN-2010 18:27:33; Dark ; 56.0; 52; 16Bet Cet ; 2.04; 4500;occ; 112; 0;43367
17; 5943.7; 16-JUN-2010 18:33:43; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;43367
18; 6318.8; 16-JUN-2010 18:39:58; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;43368
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10; 3874.3; 16-JUN-2010 19:39:50; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;43368
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13; 2154.0; 17-JUN-2010 01:53:33; Bright; 43.0; 59; 55Alp Oph ; 2.08; 8900;occ; 86; 0;43372
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 4; 1615.1; 17-JUN-2010 01:44:34; Bright; 39.5; 86; 35Eta Oph ; 2.43; 10200;occ; 79; 0;43372
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 16; 3840.5; 22-JUN-2010 23:11:57; Bright; 67.0; 74; 11Bet Cas ; 2.27; 6600;occ; 134; 0;43456
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 19; 4270.6; 22-JUN-2010 23:19:07; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;43456
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 22; 4933.5; 22-JUN-2010 23:30:10; Dark ; 38.0; 94; 92Alp Cet ; 2.53; 3100;occ; 76; 0;43456
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 12; 2447.3; 23-JUN-2010 00:29:20; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;43457
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 16; 3840.3; 23-JUN-2010 00:52:33; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;43457
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 5; 683.8; 23-JUN-2010 01:40:32; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43458
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 16; 3931.4; 23-JUN-2010 02:34:40; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;43458
 17; 4064.8; 23-JUN-2010 02:36:53; Bright; 44.5; 160; 23Gam Per ; 2.93; 4700;occ; 89; 0;43458
 18; 4270.5; 23-JUN-2010 02:40:19; Bright; 60.0; 73; 57Gam1And ; 2.26; 13100;occ; 120; 0;43458
 19; 4414.7; 23-JUN-2010 02:42:43; Dark ; 44.5; 173; 4Bet Tri ; 3.00; 8900;occ; 89; 0;43458
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 25; 6530.7; 23-JUN-2010 03:17:59; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43459
 26; 6720.8; 23-JUN-2010 03:21:09; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;43459
 27; 7276.4; 23-JUN-2010 03:30:25; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;43459
 28; 7361.8; 23-JUN-2010 03:31:50; Dark ; 51.5; 116; 19Del Sgr ; 2.70; 4100;occ; 103; 0;43459
 29; 7492.4; 23-JUN-2010 03:34:01; Bright; 48.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 97; 0;43459
 30; 8025.2; 23-JUN-2010 03:42:54; Bright; 42.0; 126; 60Bet Oph ; 2.77; 4250;occ; 84; 0;43459
 31; 8169.8; 23-JUN-2010 03:45:18; Bright; 41.5; 59; 55Alp Oph ; 2.08; 8900;occ; 83; 0;43459
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 33; 8755.5; 23-JUN-2010 03:55:04; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;43459
 34; 8869.6; 23-JUN-2010 03:56:58; Bright; 28.0; 130; 23Bet Dra ; 2.80; 5800;occ; 56; 0;43459

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 5; 4064.9; 23-JUN-2010 04:17:29; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;43459
 6; 4270.6; 23-JUN-2010 04:20:55; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;43459
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 10; 5414.1; 23-JUN-2010 04:39:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43459
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 16; 7362.5; 23-JUN-2010 05:12:27; Dark ; 46.0; 116; 19Del Sgr ; 2.70; 4100;occ; 92; 0;43460
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 22; 8869.5; 23-JUN-2010 05:37:34; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;43460
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 3; -1971.3; 23-JUN-2010 05:58:05; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43460
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 5; -1621.0; 23-JUN-2010 06:03:55; Dark ; 45.5; 173; 4Bet Tri ; 3.00; 8900;occ; 91; 0;43460
 6; -1390.3; 23-JUN-2010 06:07:46; Dark ; 53.0; 50; 13Alp Ari ; 2.01; 4250;occ; 106; 0;43460
 7; -1100.8; 23-JUN-2010 06:12:36; Dark ; 37.0; 94; 92Alp Cet ; 2.53; 3100;occ; 74; 0;43460
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 13; 1241.5; 23-JUN-2010 08:32:14; Dark ; 47.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 95; 0;43462
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11; 3928.6; 23-JUN-2010 17:40:00; Bright; 66.0; 68; 18Alp Cas ; 2.22; 4500;occ; 132; 0;43467
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4; 505.1; 23-JUN-2010 21:44:45; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43470
5; 691.0; 23-JUN-2010 21:47:51; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43470
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4; 506.4; 23-JUN-2010 23:25:22; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43471
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9; 1988.1; 23-JUN-2010 23:50:04; Bright; 39.5; 126; 60Bet Oph ; 2.77; 4250;occ; 79; 0;43471
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13; 2830.4; 24-JUN-2010 01:44:42; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;43472
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 4; 508.0; 24-JUN-2010 02:46:35; Dark ; 54.0; 31; Alp Gru ; 1.73; 15200;occ; 108; 0;43473
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12; 2710.0; 24-JUN-2010 03:23:17; Bright; 49.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 99; 0;43473
13; 2830.2; 24-JUN-2010 03:25:17; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;43473
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 5;-1619.5; 24-JUN-2010 03:51:44; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;43473
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16; 1988.1; 24-JUN-2010 04:51:51; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;43474
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 4; -1767.2; 28-JUN-2010 05:04:00; Bright; 45.0; 73; 57Gam1And ; 2.26; 13100;occ; 90; 0;43531
 5; -1614.7; 28-JUN-2010 05:06:32; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;43531
 6; -1370.3; 28-JUN-2010 05:10:37; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;43531
 7; -1076.0; 28-JUN-2010 05:15:31; Dark ; 39.0; 94; 92Alp Cet ; 2.53; 3100;occ; 78; 0;43531
 8; -569.6; 28-JUN-2010 05:23:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43531
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10; 444.4; 28-JUN-2010 05:40:52; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;43532
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13; 1262.2; 28-JUN-2010 05:54:29; Dark ; 42.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 85; 0;43532
14; 1345.2; 28-JUN-2010 05:55:52; Dark ; 51.5; 116; 19Del Sgr ; 2.70; 4100;occ; 103; 0;43532
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 9; 55.5; 28-JUN-2010 07:14:59; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;43533
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11; 564.8; 28-JUN-2010 07:23:28; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43533
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13; 1262.4; 28-JUN-2010 07:35:05; Dark ; 47.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 94; 0;43533
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 6; 3806.1; 28-JUN-2010 08:17:29; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;43533
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 9; 3802.0; 28-JUN-2010 21:42:13; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;43541
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 6; 1265.1; 29-JUN-2010 00:21:07; Dark ; 44.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 88; 0;43543
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 8; 1474.4; 29-JUN-2010 00:24:37; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;43543
 9; 1982.8; 29-JUN-2010 00:33:05; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;43543
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