

GOMOS Daily Report 12-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	15JUN2010 04:50:30
Data source version	GOMOS/5.00L04
Start time of products	12JUN2010 00:05:03
Stop time of products	12JUN2010 23:54:19
Store outputs in DB	Yes
Nb of level 1b prods	114
Nb of prods with errors	0

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

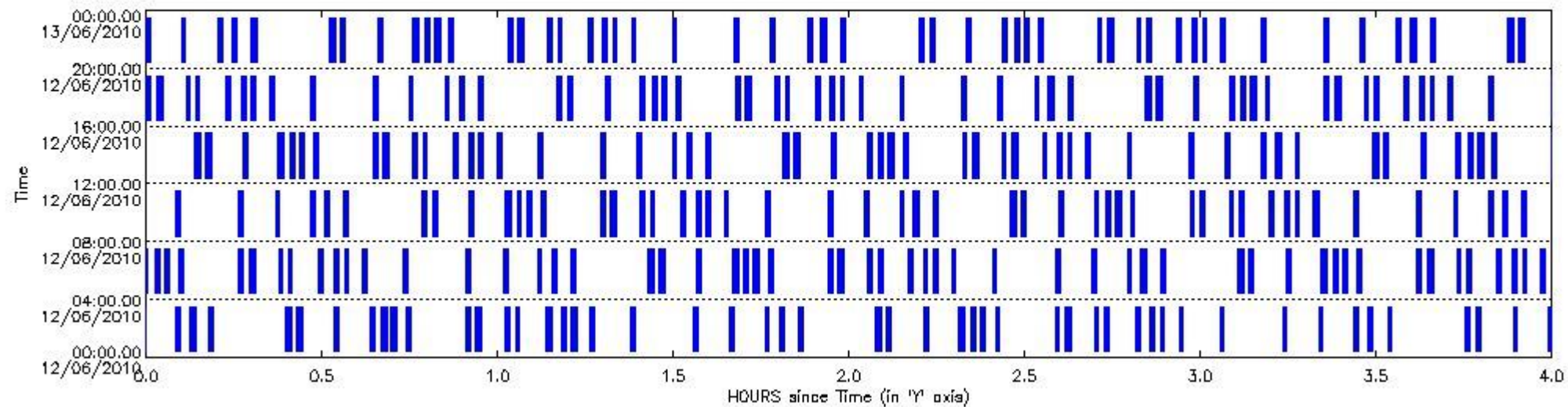
2.1 Level 0 products arrived in PCF (see template [here](#))

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.

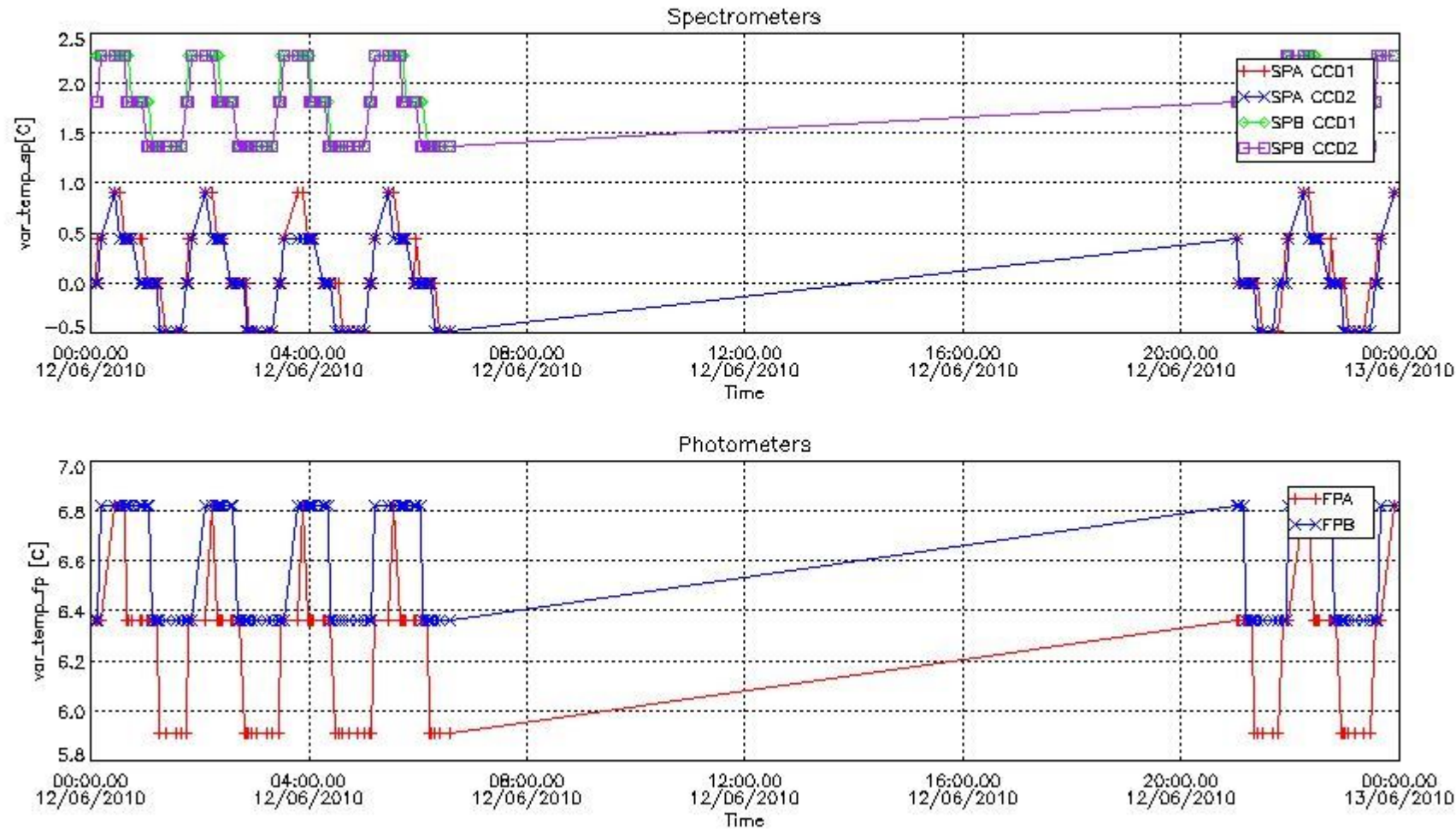
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100612_000503_000000392090_00159_43299_8367.N1	12-JUN-2010 00:05:03	Bright	39.000	73	57Gam1And	2.2600	13100.	78	43299	No
2	GOM_TRA_1PNPDE20100612_000723_000000602090_00159_43299_8368.N1	12-JUN-2010 00:07:23	Twilight	59.500	53	43Bet And	2.0480	3300.0	119	43299	No
3	GOM_TRA_1PNPDE20100612_001044_000000452090_00159_43299_8369.N1	12-JUN-2010 00:10:44	Twilight	44.500	50	13Alp Ari	2.0070	4250.0	89	43299	No
4	GOM_TRA_1PNPDE20100612_002543_000000552090_00159_43299_8371.N1	12-JUN-2010 00:25:43	Dark	54.500	52	16Bet Cet	2.0370	4500.0	109	43299	No
5	GOM_TRA_1PNPDE20100612_003208_000000452090_00159_43299_8372.N1	12-JUN-2010 00:32:08	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	43299	No
6	GOM_TRA_1PNPDE20100612_003809_000000582090_00160_43300_8373.N1	12-JUN-2010 00:38:09	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	43300	No
7	GOM_TRA_1PNPDE20100612_004011_000000522090_00160_43300_8374.N1	12-JUN-2010 00:40:11	Dark	51.500	31	Alp Gru	1.7340	15200.	103	43300	No
8	GOM_TRA_1PNPDE20100612_004145_000000582090_00160_43300_8375.N1	12-JUN-2010 00:41:45	Straylight	58.000	172	Gam Gru	3.0030	13100.	116	43300	No
9	GOM_TRA_1PNPDE20100612_004422_000000422090_00160_43300_8376.N1	12-JUN-2010 00:44:22	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	43300	No
10	GOM_TRA_1PNPDE20100612_005433_000000442090_00160_43300_8377.N1	12-JUN-2010 00:54:33	Twilight	44.000	25	35Lam Sco	1.6200	28000.	88	43300	No
11	GOM_TRA_1PNPDE20100612_005614_000000602090_00160_43300_8378.N1	12-JUN-2010 00:56:14	Bright	60.000	57	34Sig Sgr	2.0660	26000.	120	43300	No
12	GOM_TRA_1PNPDE20100612_010119_000000402090_00160_43300_8379.N1	12-JUN-2010 01:01:19	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	43300	No

13	GOM_TRA_1PNPDE20100612_010304_000000392090_00160_43300_8380.N1	12-JUN-2010 01:03:04	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	43300	No
14	GOM_TRA_1PNPDE20100612_010815_000000682090_00160_43300_8381.N1	12-JUN-2010 01:08:15	Bright	68.000	126	60Bet Oph	2.7700	4250.0	136	43300	No
15	GOM_TRA_1PNPDE20100612_011051_000000452090_00160_43300_8382.N1	12-JUN-2010 01:10:51	Bright	45.000	59	55Alp Oph	2.0800	8900.0	90	43300	No
16	GOM_TRA_1PNPDE20100612_011236_000000552090_00160_43300_8383.N1	12-JUN-2010 01:12:36	Bright	55.000	127	27Bet Her	2.7810	4700.0	110	43300	No
17	GOM_TRA_1PNPDE20100612_011543_000000412090_00160_43300_8384.N1	12-JUN-2010 01:15:43	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	43300	No
18	GOM_TRA_1PNPDE20100612_012244_000000422090_00160_43300_8385.N1	12-JUN-2010 01:22:44	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	43300	No
19	GOM_TRA_1PNPDE20100612_013323_000000492090_00160_43300_8386.N1	12-JUN-2010 01:33:23	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43300	No
20	GOM_TRA_1PNPDE20100612_013940_000000442090_00160_43300_8387.N1	12-JUN-2010 01:39:40	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	43300	No
21	GOM_TRA_1PNPDE20100612_014539_000000402090_00160_43300_8388.N1	12-JUN-2010 01:45:39	Bright	39.500	73	57Gam1And	2.2600	13100.	79	43300	No
22	GOM_TRA_1PNPDE20100612_014759_000000632090_00160_43300_8389.N1	12-JUN-2010 01:47:59	Twilight	63.000	53	43Bet And	2.0480	3300.0	126	43300	No
23	GOM_TRA_1PNPDE20100612_015120_000000502090_00160_43300_8390.N1	12-JUN-2010 01:51:20	Twilight	50.000	50	13Alp Ari	2.0070	4250.0	100	43300	No
24	GOM_TRA_1PNPDE20100612_020620_000000512090_00160_43300_8387.N1	12-JUN-2010 02:06:20	Dark	51.000	52	16Bet Cet	2.0370	4500.0	102	43300	No
25	GOM_TRA_1PNPDE20100612_021245_000000532090_00160_43300_8388.N1	12-JUN-2010 02:12:45	Dark	52.500	84	Alp Phe	2.3970	4500.0	105	43300	No
26	GOM_TRA_1PNPDE20100612_021846_000000512090_00161_43301_8389.N1	12-JUN-2010 02:18:46	Dark	51.000	63	Bet Gru	2.1500	2800.0	102	43301	No
27	GOM_TRA_1PNPDE20100612_022048_000000492090_00161_43301_8390.N1	12-JUN-2010 02:20:48	Dark	49.000	31	Alp Gru	1.7340	15200.	98	43301	No
28	GOM_TRA_1PNPDE20100612_022223_000000562090_00161_43301_8391.N1	12-JUN-2010 02:22:23	Straylight	55.500	172	Gam Gru	3.0030	13100.	111	43301	No
29	GOM_TRA_1PNPDE20100612_022459_000000432090_00161_43301_8392.N1	12-JUN-2010 02:24:59	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43301	No
30	GOM_TRA_1PNPDE20100612_023509_000000452090_00161_43301_8393.N1	12-JUN-2010 02:35:09	Twilight	45.000	25	35Lam Sco	1.6200	28000.	90	43301	No
31	GOM_TRA_1PNPDE20100612_023650_000000642090_00161_43301_8394.N1	12-JUN-2010 02:36:50	Bright	64.000	57	34Sig Sgr	2.0660	26000.	128	43301	No
32	GOM_TRA_1PNPDE20100612_024155_000000422090_00161_43301_8395.N1	12-JUN-2010 02:41:55	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	43301	No
33	GOM_TRA_1PNPDE20100612_024341_000000422090_00161_43301_8396.N1	12-JUN-2010 02:43:41	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	43301	No
34	GOM_TRA_1PNPDE20100612_024851_000000472090_00161_43301_8397.N1	12-JUN-2010 02:48:51	Bright	47.000	126	60Bet Oph	2.7700	4250.0	94	43301	No
35	GOM_TRA_1PNPDE20100612_025127_000000472090_00161_43301_8398.N1	12-JUN-2010 02:51:27	Bright	47.000	59	55Alp Oph	2.0800	8900.0	94	43301	No
36	GOM_TRA_1PNPDE20100612_025312_000000392090_00161_43301_8399.N1	12-JUN-2010 02:53:12	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	43301	No
37	GOM_TRA_1PNPDE20100612_025619_000000402090_00161_43301_8400.N1	12-JUN-2010 02:56:19	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	43301	No
38	GOM_TRA_1PNPDE20100612_030319_000000402090_00161_43301_8401.N1	12-JUN-2010 03:03:19	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	43301	No
39	GOM_TRA_1PNPDE20100612_031358_000000492090_00161_43301_8402.N1	12-JUN-2010 03:13:58	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43301	No
40	GOM_TRA_1PNPDE20100612_032016_000000392090_00161_43301_8417.N1	12-JUN-2010 03:20:16	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	43301	No
41	GOM_TRA_1PNPDE20100612_032615_000000402090_00161_43301_8418.N1	12-JUN-2010 03:26:15	Bright	39.500	73	57Gam1And	2.2600	13100.	79	43301	No
42	GOM_TRA_1PNPDE20100612_032835_000000542090_00161_43301_8419.N1	12-JUN-2010 03:28:35	Twilight	53.500	53	43Bet And	2.0480	3300.0	107	43301	No
43	GOM_TRA_1PNPDE20100612_033156_000000442090_00161_43301_8420.N1	12-JUN-2010 03:31:56	Twilight	43.500	50	13Alp Ari	2.0070	4250.0	87	43301	No
44	GOM_TRA_1PNPDE20100612_034657_000000552090_00161_43301_8421.N1	12-JUN-2010 03:46:57	Dark	55.000	52	16Bet Cet	2.0370	4500.0	110	43301	No
45	GOM_TRA_1PNPDE20100612_035321_000000472090_00161_43301_8422.N1	12-JUN-2010 03:53:21	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	43301	No
46	GOM_TRA_1PNPDE20100612_035923_000000542090_00162_43302_8423.N1	12-JUN-2010 03:59:23	Dark	54.000	63	Bet Gru	2.1500	2800.0	108	43302	No
47	GOM_TRA_1PNPDE20100612_040125_000000482090_00162_43302_8424.N1	12-JUN-2010 04:01:25	Dark	48.000	31	Alp Gru	1.7340	15200.	96	43302	No
48	GOM_TRA_1PNPDE20100612_040300_000000572090_00162_43302_8425.N1	12-JUN-2010 04:03:00	Straylight	56.500	172	Gam Gru	3.0030	13100.	113	43302	No
49	GOM_TRA_1PNPDE20100612_040536_000000442090_00162_43302_8426.N1	12-JUN-2010 04:05:36	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43302	No
50	GOM_TRA_1PNPDE20100612_041546_000000412090_00162_43302_8427.N1	12-JUN-2010 04:15:46	Twilight	41.000	25	35Lam Sco	1.6200	28000.	82	43302	No
51	GOM_TRA_1PNPDE20100612_041726_000000652090_00162_43302_8428.N1	12-JUN-2010 04:17:26	Bright	64.500	57	34Sig Sgr	2.0660	26000.	129	43302	No
52	GOM_TRA_1PNPDE20100612_042231_000000422090_00162_43302_8429.N1	12-JUN-2010 04:22:31	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	43302	No
53	GOM_TRA_1PNPDE20100612_042417_000000392090_00162_43302_8430.N1	12-JUN-2010 04:24:17	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	43302	No
54	GOM_TRA_1PNPDE20100612_042927_000000472090_00162_43302_8431.N1	12-JUN-2010 04:29:27	Bright	47.000	126	60Bet Oph	2.7700	4250.0	94	43302	No
55	GOM_TRA_1PNPDE20100612_043202_000000462090_00162_43302_8432.N1	12-JUN-2010 04:32:02	Bright	46.000	59	55Alp Oph	2.0800	8900.0	92	43302	No
56	GOM_TRA_1PNPDE20100612_043347_000000392090_00162_43302_8433.N1	12-JUN-2010 04:33:47	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	43302	No
57	GOM_TRA_1PNPDE20100612_043655_000000412090_00162_43302_8434.N1	12-JUN-2010 04:36:55	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	43302	No
58	GOM_TRA_1PNPDE20100612_044355_000000432090_00162_43302_8435.N1	12-JUN-2010 04:43:55	Bright	42.500	130	23Bet Dra	2.7990	5800.0	85	43302	No
59	GOM_TRA_1PNPDE20100612_045434_000000482090_00162_43302_8436.N1	12-JUN-2010 04:54:34	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43302	No
60	GOM_TRA_1PNPDE20100612_050052_000000582090_00162_43302_8442.N1	12-JUN-2010 05:00:52	Bright	58.000	76	27Gam Cas	2.3000	30000.	116	43302	No
61	GOM_TRA_1PNPDE20100612_050651_000000392090_00162_43302_8443.N1	12-JUN-2010 05:06:51	Bright	39.000	73	57Gam1And	2.2600	13100.	78	43302	No
62	GOM_TRA_1PNPDE20100612_050911_000000532090_00162_43302_8444.N1	12-JUN-2010 05:09:11	Twilight	53.000	53	43Bet And	2.0480	3300.0	106	43302	No
63	GOM_TRA_1PNPDE20100612_051232_000000482090_00162_43302_8445.N1	12-JUN-2010 05:12:32	Twilight	47.500	50	13Alp Ari	2.0070	4250.0	95	43302	No
64	GOM_TRA_1PNPDE20100612_052734_000000542090_00162_43302_8446.N1	12-JUN-2010 05:27:34	Dark	53.500	52	16Bet Cet	2.0370	4500.0	107	43302	No
65	GOM_TRA_1PNPDE20100612_053358_000000472090_00162_43302_8447.N1	12-JUN-2010 05:33:58	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	43302	No
66	GOM_TRA_1PNPDE20100612_054000_000000622090_00163_43303_8448.N1	12-JUN-2010 05:40:00	Dark	62.000	63	Bet Gru	2.1500	2800.0	124	43303	No
67	GOM_TRA_1PNPDE20100612_054202_000000472090_00163_43303_8449.N1	12-JUN-2010 05:42:02	Dark	46.500	31	Alp Gru	1.7340	15200.	93	43303	No
68	GOM_TRA_1PNPDE20100612_054337_000000572090_00163_43303_8450.N1	12-JUN-2010 05:43:37	Straylight	57.000	172	Gam Gru	3.0030	13100.	114	43303	No
69	GOM_TRA_1PNPDE20100612_054612_000000452090_00163_43303_8451.N1	12-JUN-2010 05:46:12	Straylight	44.500	45	Alp Pav	1.9400	26000.	89	43303	No
70	GOM_TRA_1PNPDE20100612_055622_000000452090_00163_43303_8452.N1	12-JUN-2010 05:56:22	Twilight	44.500	25	35Lam Sco	1.6200	28000.	89	43303	No
71	GOM_TRA_1PNPDE20100612_055803_000000572090_00163_43303_8453.N1	12-JUN-2010 05:58:03	Bright	57.000	57	34Sig Sgr	2.0660	26000.	114	43303	No

72	GOM_TRA_1PNPDE20100612_060307_000000402090_00163_43303_8454.N1	12-JUN-2010 06:03:07	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	43303	No
73	GOM_TRA_1PNPDE20100612_060453_000000542090_00163_43303_8455.N1	12-JUN-2010 06:04:53	Bright	54.000	98	13Zet Oph	2.5710	30000.	108	43303	No
74	GOM_TRA_1PNPDE20100612_061003_000000472090_00163_43303_8456.N1	12-JUN-2010 06:10:03	Bright	47.000	126	60Bet Oph	2.7700	4250.0	94	43303	No
75	GOM_TRA_1PNPDE20100612_061238_000000482090_00163_43303_8457.N1	12-JUN-2010 06:12:38	Bright	47.500	59	55Alp Oph	2.0800	8900.0	95	43303	No
76	GOM_TRA_1PNPDE20100612_061423_000000412090_00163_43303_8458.N1	12-JUN-2010 06:14:23	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	43303	No
77	GOM_TRA_1PNPDE20100612_061731_000000432090_00163_43303_8459.N1	12-JUN-2010 06:17:31	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	43303	No
78	GOM_TRA_1PNPDE20100612_062431_000000432090_00163_43303_8460.N1	12-JUN-2010 06:24:31	Bright	42.500	130	23Bet Dra	2.7990	5800.0	85	43303	No
79	GOM_TRA_1PNPDE20100612_063509_000000482090_00163_43303_8461.N1	12-JUN-2010 06:35:09	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43303	No
80	GOM_TRA_1PNPDE20100612_210148_000000442090_00172_43312_8571.N1	12-JUN-2010 21:01:48	Twilight	43.500	25	35Lam Sco	1.6200	28000.	87	43312	No
81	GOM_TRA_1PNPDE20100612_210330_000000582090_00172_43312_8572.N1	12-JUN-2010 21:03:30	Bright	58.000	57	34Sig Sgr	2.0660	26000.	116	43312	No
82	GOM_TRA_1PNPDE20100612_210831_000000412090_00172_43312_8573.N1	12-JUN-2010 21:08:31	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	43312	No
83	GOM_TRA_1PNPDE20100612_211017_000000412090_00172_43312_8574.N1	12-JUN-2010 21:10:17	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43312	No
84	GOM_TRA_1PNPDE20100612_211523_000000482090_00172_43312_8575.N1	12-JUN-2010 21:15:23	Bright	47.500	126	60Bet Oph	2.7700	4250.0	95	43312	No
85	GOM_TRA_1PNPDE20100612_211758_000000462090_00172_43312_8576.N1	12-JUN-2010 21:17:58	Bright	45.500	59	55Alp Oph	2.0800	8900.0	91	43312	No
86	GOM_TRA_1PNPDE20100612_211945_000000382090_00172_43312_8577.N1	12-JUN-2010 21:19:45	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	43312	No
87	GOM_TRA_1PNPDE20100612_212252_000000382090_00172_43312_8578.N1	12-JUN-2010 21:22:52	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	43312	No
88	GOM_TRA_1PNPDE20100612_212950_000000442090_00172_43312_8579.N1	12-JUN-2010 21:29:50	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	43312	No
89	GOM_TRA_1PNPDE20100612_214026_000000462090_00172_43312_8580.N1	12-JUN-2010 21:40:26	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	43312	No
90	GOM_TRA_1PNPDE20100612_214636_000000442090_00172_43312_8581.N1	12-JUN-2010 21:46:36	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	43312	No
91	GOM_TRA_1PNPDE20100612_215251_000000502090_00172_43312_8582.N1	12-JUN-2010 21:52:51	Bright	50.000	73	57Gam1And	2.2600	13100.	100	43312	No
92	GOM_TRA_1PNPDE20100612_215512_000000542090_00172_43312_8583.N1	12-JUN-2010 21:55:12	Twilight	53.500	53	43Bet And	2.0480	3300.0	107	43312	No
93	GOM_TRA_1PNPDE20100612_215834_000000472090_00172_43312_8584.N1	12-JUN-2010 21:58:34	Twilight	46.500	50	13Alp Ari	2.0070	4250.0	93	43312	No
94	GOM_TRA_1PNPDE20100612_221342_000000562090_00172_43312_8589.N1	12-JUN-2010 22:13:42	Dark	56.000	52	16Bet Cet	2.0370	4500.0	112	43312	No
95	GOM_TRA_1PNPDE20100612_222004_000000452090_00172_43312_8590.N1	12-JUN-2010 22:20:04	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	43312	No
96	GOM_TRA_1PNPDE20100612_222609_000000572090_00173_43313_8591.N1	12-JUN-2010 22:26:09	Dark	56.500	63	Bet Gru	2.1500	2800.0	113	43313	No
97	GOM_TRA_1PNPDE20100612_222811_000000512090_00173_43313_8592.N1	12-JUN-2010 22:28:11	Dark	51.000	31	Alp Gru	1.7340	15200.	102	43313	No
98	GOM_TRA_1PNPDE20100612_222950_000000582090_00173_43313_8593.N1	12-JUN-2010 22:29:50	Straylight	57.500	172	Gam Gru	3.0030	13100.	115	43313	No
99	GOM_TRA_1PNPDE20100612_223217_000000442090_00173_43313_8594.N1	12-JUN-2010 22:32:17	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	43313	No
100	GOM_TRA_1PNPDE20100612_224224_000000452090_00173_43313_8595.N1	12-JUN-2010 22:42:24	Twilight	44.500	25	35Lam Sco	1.6200	28000.	89	43313	No
101	GOM_TRA_1PNPDE20100612_224406_000000612090_00173_43313_8596.N1	12-JUN-2010 22:44:06	Bright	60.500	57	34Sig Sgr	2.0660	26000.	121	43313	No
102	GOM_TRA_1PNPDE20100612_224908_000000422090_00173_43313_8597.N1	12-JUN-2010 22:49:08	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	43313	No
103	GOM_TRA_1PNPDE20100612_225053_000000382090_00173_43313_8598.N1	12-JUN-2010 22:50:53	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	43313	No
104	GOM_TRA_1PNPDE20100612_225558_000000462090_00173_43313_8599.N1	12-JUN-2010 22:55:58	Bright	46.000	126	60Bet Oph	2.7700	4250.0	92	43313	No
105	GOM_TRA_1PNPDE20100612_225833_000000472090_00173_43313_8600.N1	12-JUN-2010 22:58:33	Bright	46.500	59	55Alp Oph	2.0800	8900.0	93	43313	No
106	GOM_TRA_1PNPDE20100612_230021_000000382090_00173_43313_8601.N1	12-JUN-2010 23:00:21	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	43313	No
107	GOM_TRA_1PNPDE20100612_230327_000000412090_00173_43313_8602.N1	12-JUN-2010 23:03:27	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	43313	No
108	GOM_TRA_1PNPDE20100612_231025_000000402090_00173_43313_8603.N1	12-JUN-2010 23:10:25	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	43313	No
109	GOM_TRA_1PNPDE20100612_232102_000000482090_00173_43313_8604.N1	12-JUN-2010 23:21:02	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43313	No
110	GOM_TRA_1PNPDE20100612_232711_000000442090_00173_43313_8605.N1	12-JUN-2010 23:27:11	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	43313	No
111	GOM_TRA_1PNPDE20100612_233327_000000402090_00173_43313_8606.N1	12-JUN-2010 23:33:27	Bright	39.500	73	57Gam1And	2.2600	13100.	79	43313	No
112	GOM_TRA_1PNPDE20100612_233548_000000582090_00173_43313_8607.N1	12-JUN-2010 23:35:48	Twilight	57.500	53	43Bet And	2.0480	3300.0	115	43313	No
113	GOM_TRA_1PNPDE20100612_233910_000000492090_00173_43313_8608.N1	12-JUN-2010 23:39:10	Twilight	48.500	50	13Alp Ari	2.0070	4250.0	97	43313	No
114	GOM_TRA_1PNPDE20100612_235419_000000562090_00173_43313_8610.N1	12-JUN-2010 23:54:19	Dark	56.000	52	16Bet Cet	2.0370	4500.0	112	43313	No

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



4. Overview of dark signal processing per product

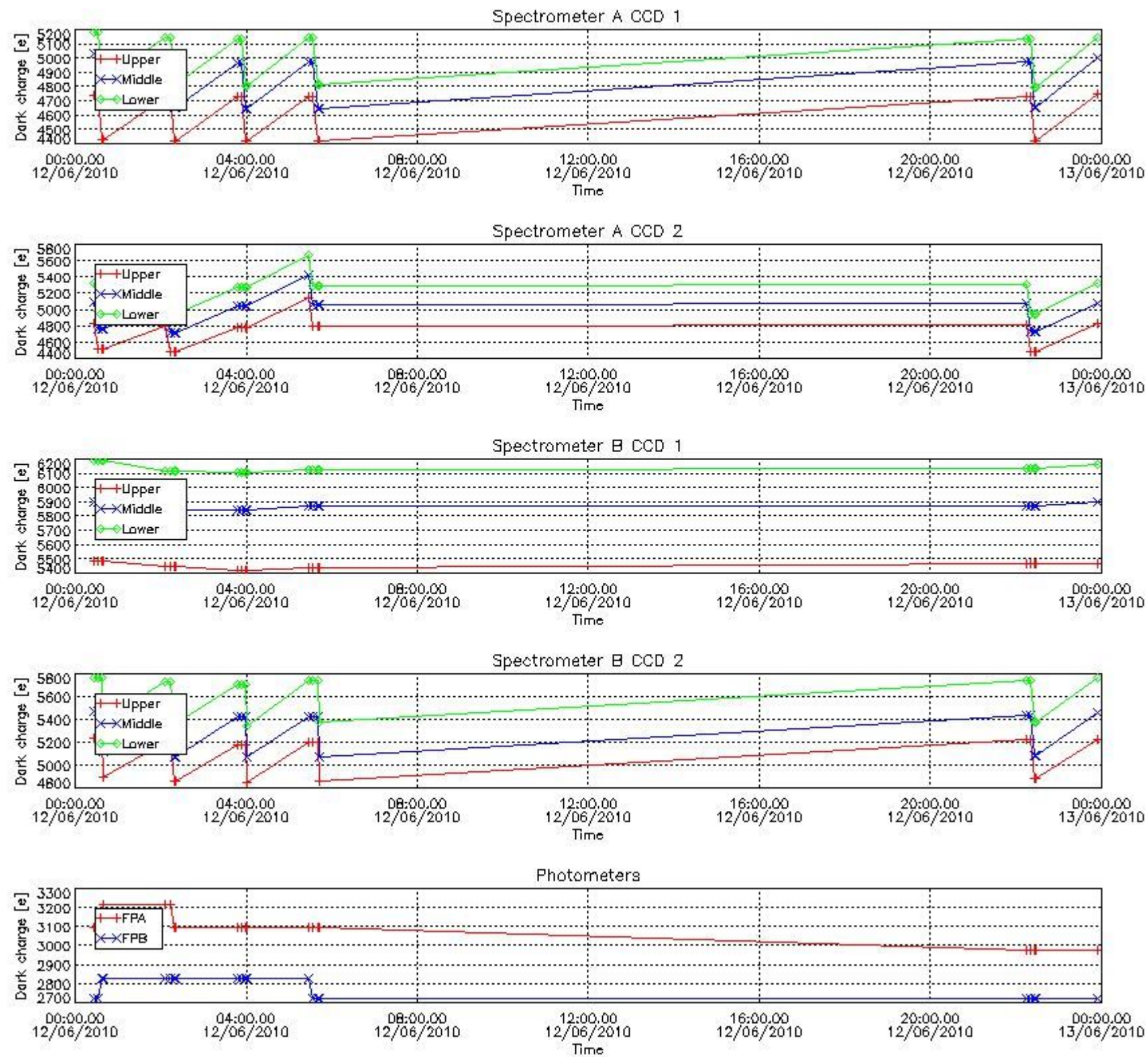
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100612_210148_000000442090_00172_43312_8571.N1	DC map used
GOM_TRA_1PNPDE20100612_210330_000000582090_00172_43312_8572.N1	DC map used
GOM_TRA_1PNPDE20100612_210831_000000412090_00172_43312_8573.N1	DC map used
GOM_TRA_1PNPDE20100612_211017_000000412090_00172_43312_8574.N1	DC map used
GOM_TRA_1PNPDE20100612_211523_000000482090_00172_43312_8575.N1	DC map used
GOM_TRA_1PNPDE20100612_211758_000000462090_00172_43312_8576.N1	DC map used
GOM_TRA_1PNPDE20100612_211945_000000382090_00172_43312_8577.N1	DC map used
GOM_TRA_1PNPDE20100612_212252_000000382090_00172_43312_8578.N1	DC map used
GOM_TRA_1PNPDE20100612_212950_000000442090_00172_43312_8579.N1	DC map used
GOM_TRA_1PNPDE20100612_214026_000000462090_00172_43312_8580.N1	DC map used
GOM_TRA_1PNPDE20100612_214636_000000442090_00172_43312_8581.N1	DC map used
GOM_TRA_1PNPDE20100612_215251_000000502090_00172_43312_8582.N1	DC map used
GOM_TRA_1PNPDE20100612_215512_000000542090_00172_43312_8583.N1	DC map used
GOM_TRA_1PNPDE20100612_215834_000000472090_00172_43312_8584.N1	DC map used

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



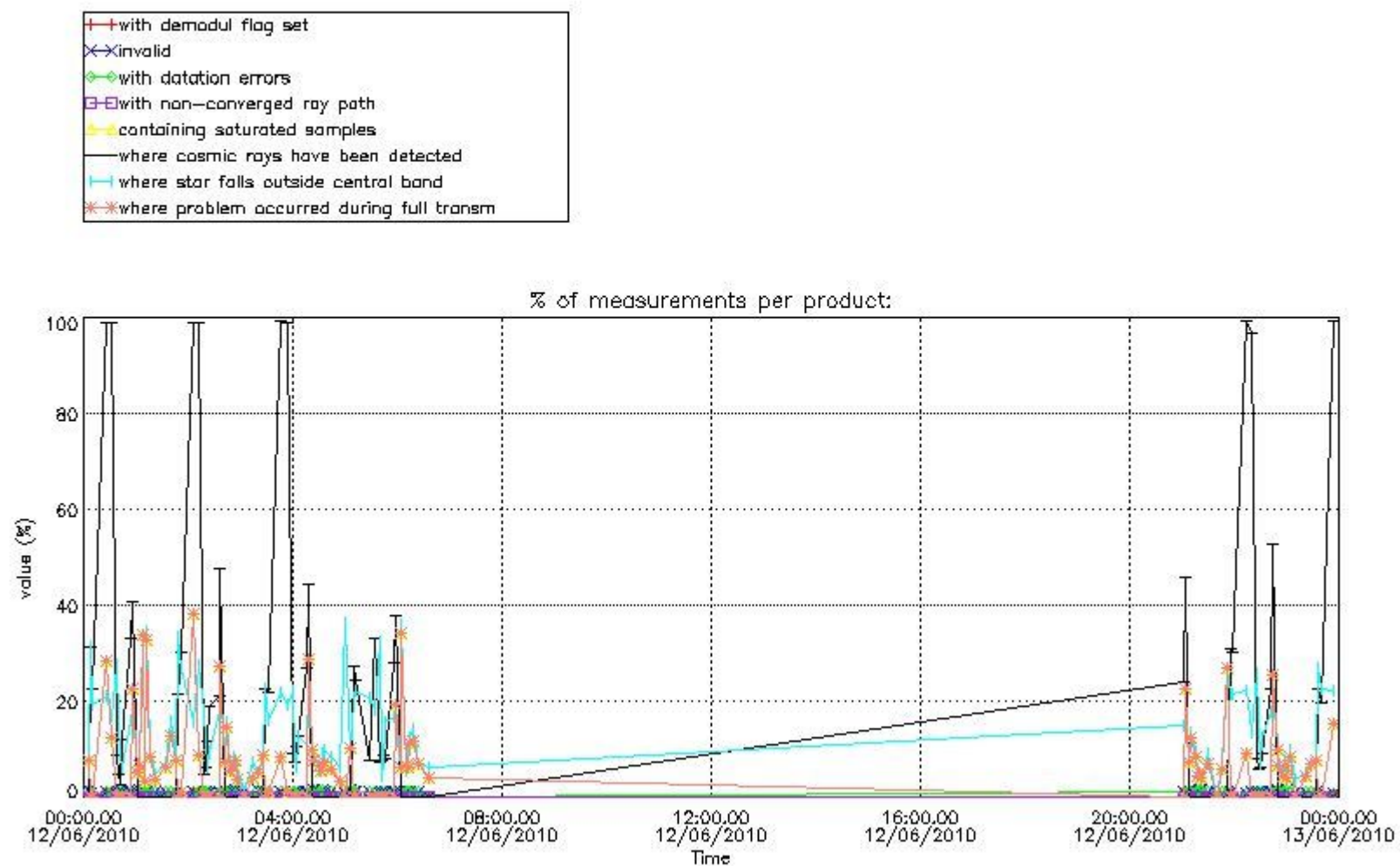
5. Demodulation flag and quality information monitoring

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.

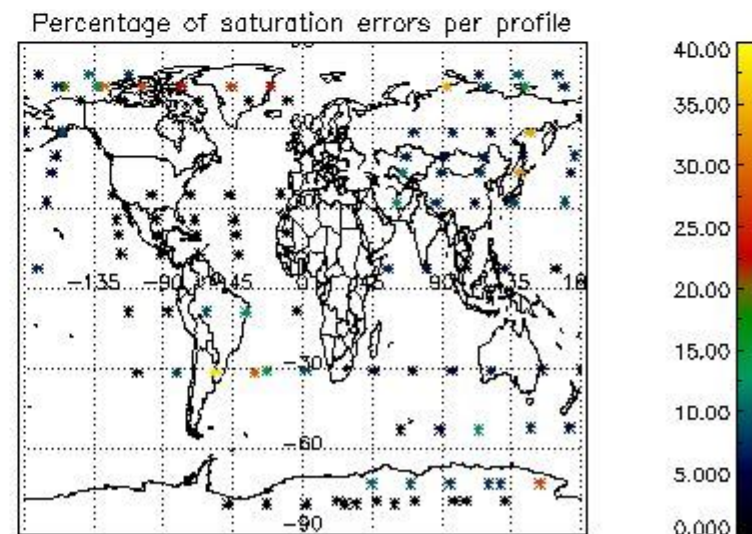
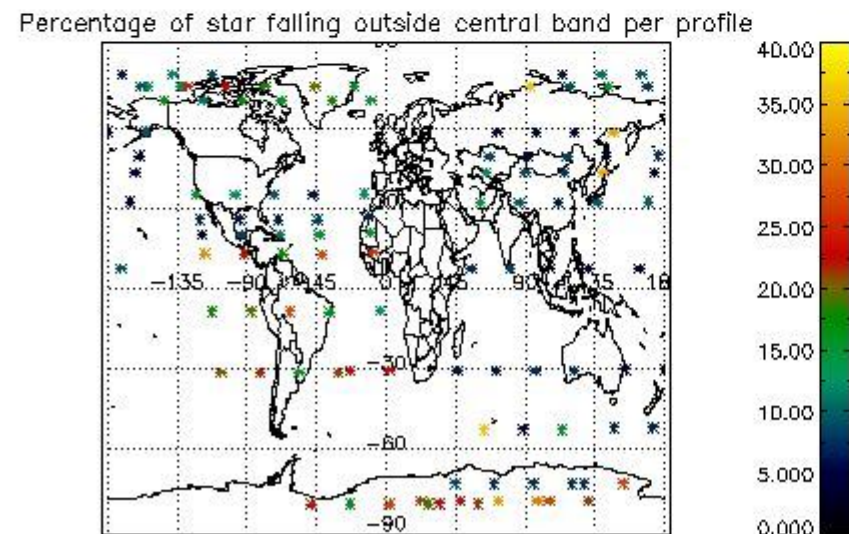
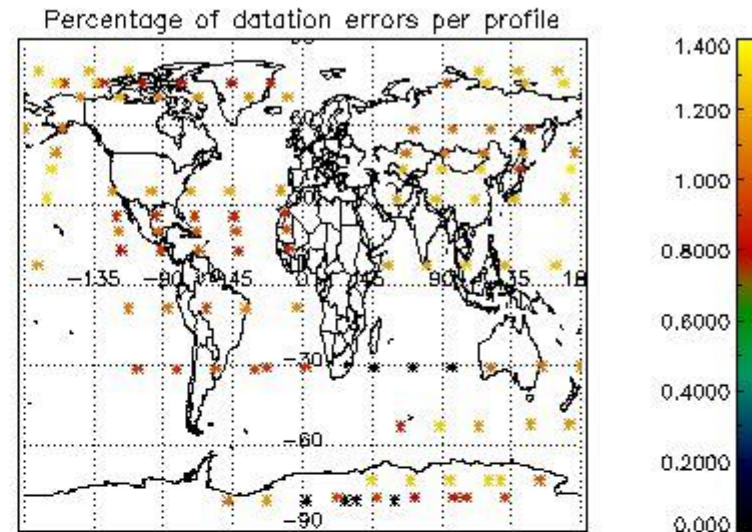
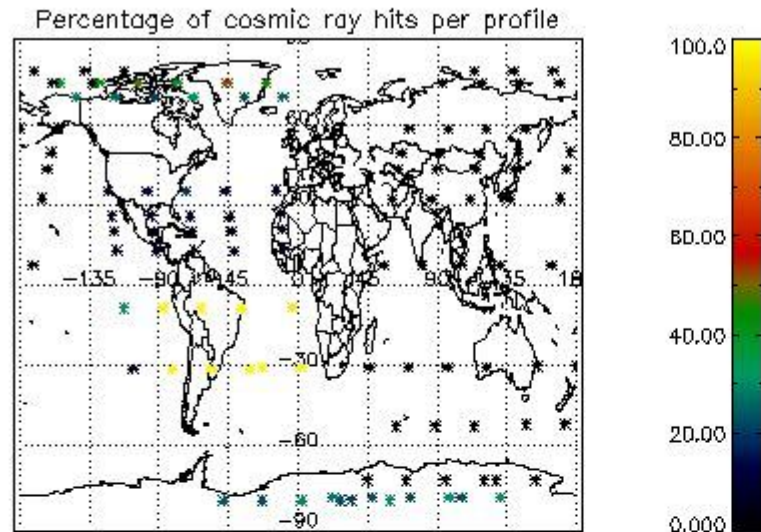
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	35.0877 %
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)



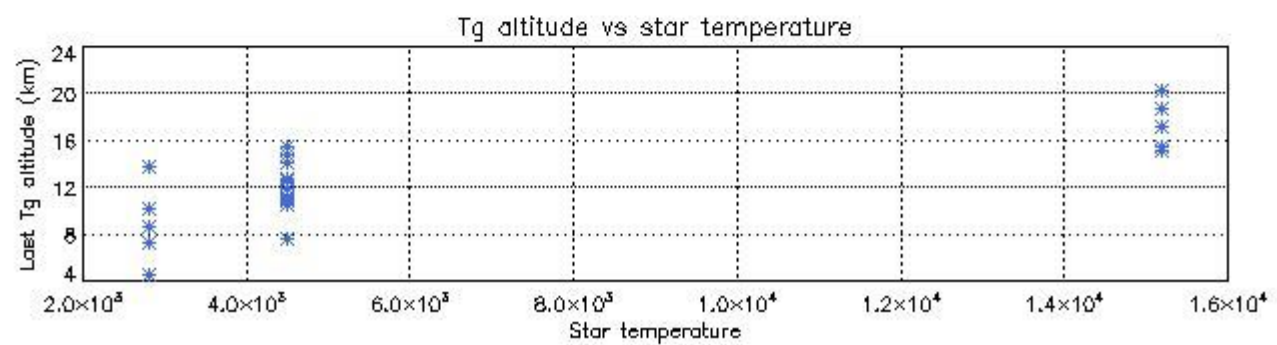
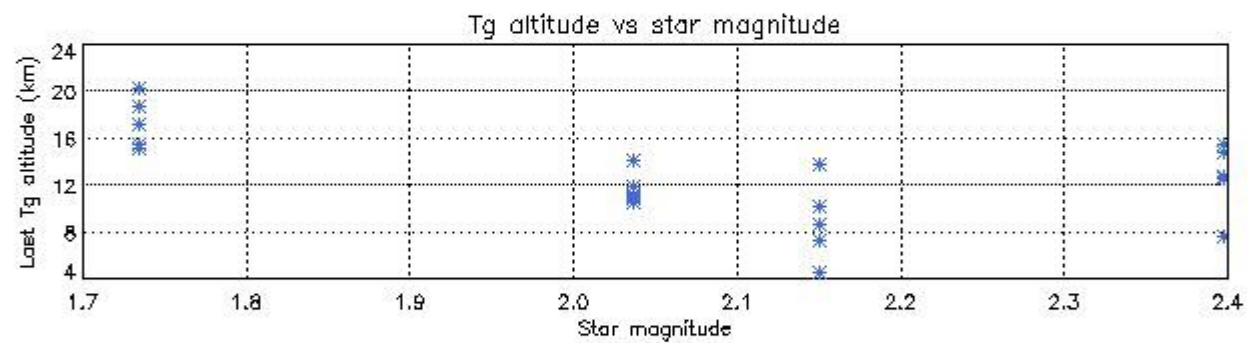
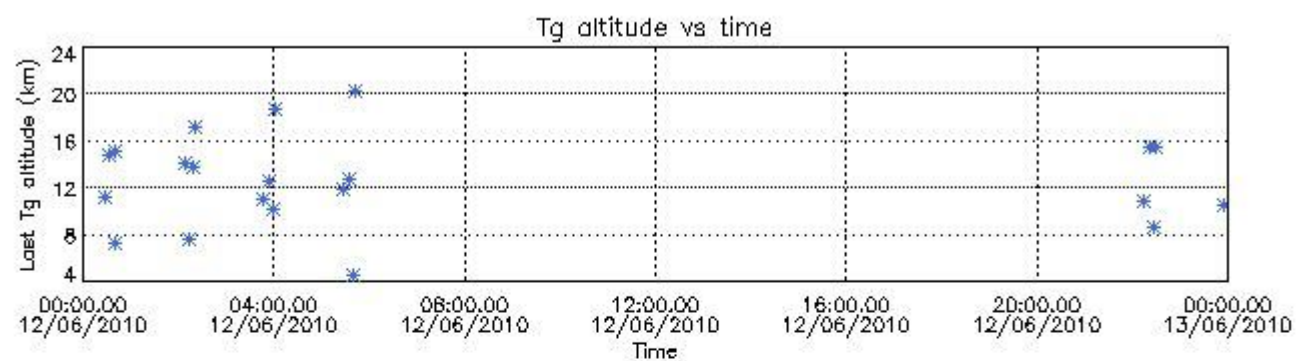
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	12.554	17.999	10.616
St. deviation:	3.8700	4.8562	1.7564
Maximum:	20.312	25.300	12.970
Minimum:	4.5887	4.0011	8.1976
Number of data:	21.000	65.000	6.0000

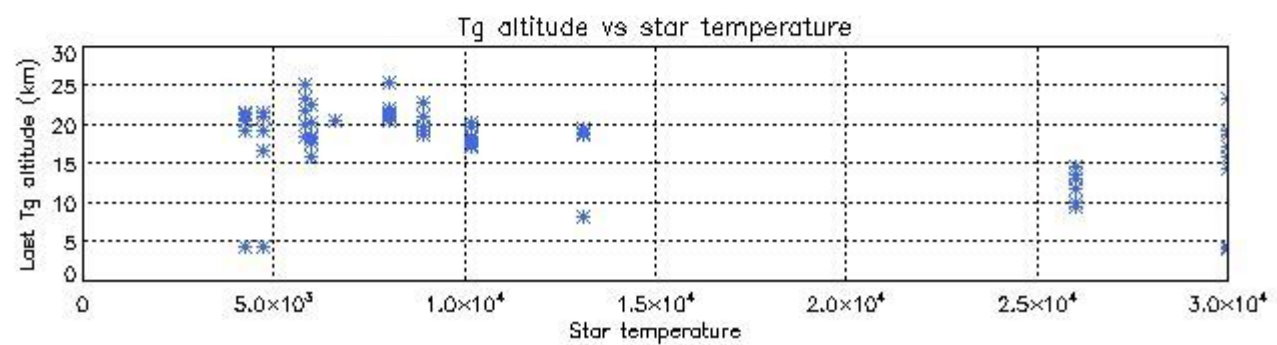
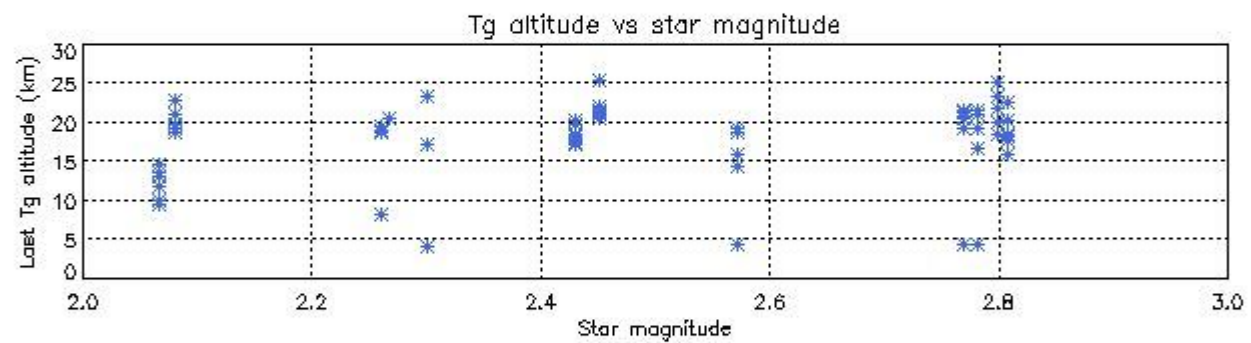
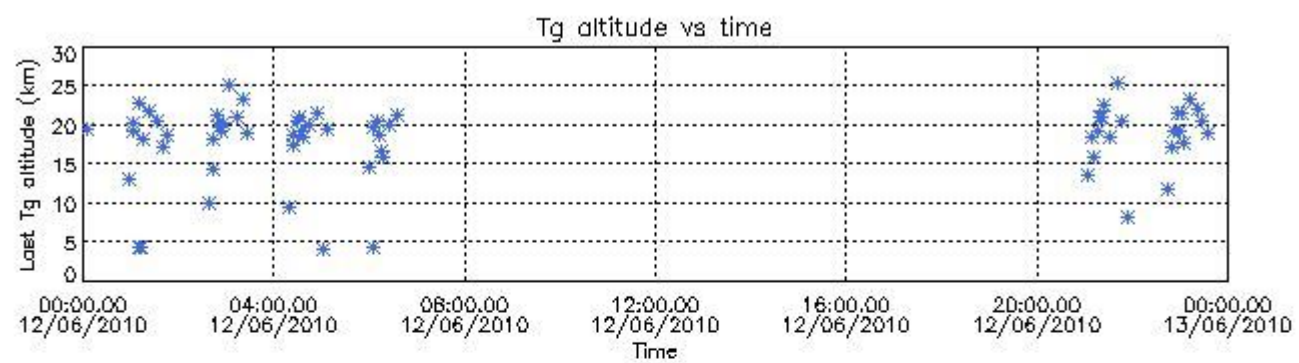
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



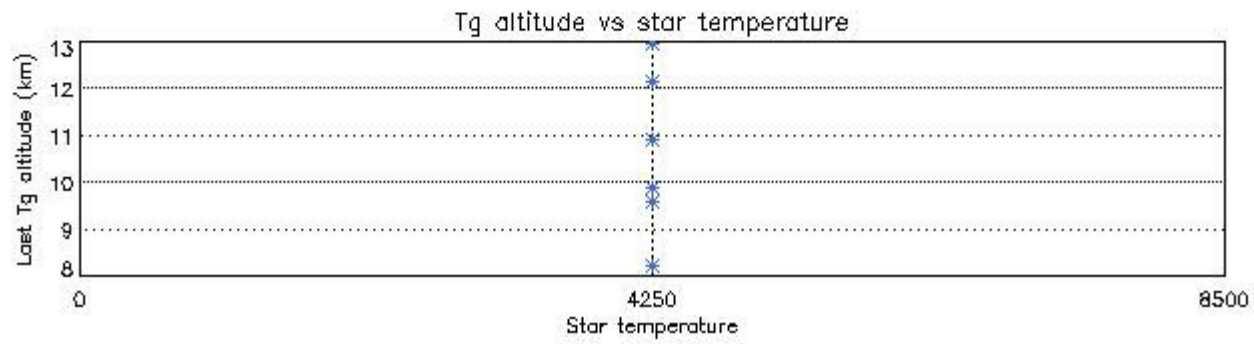
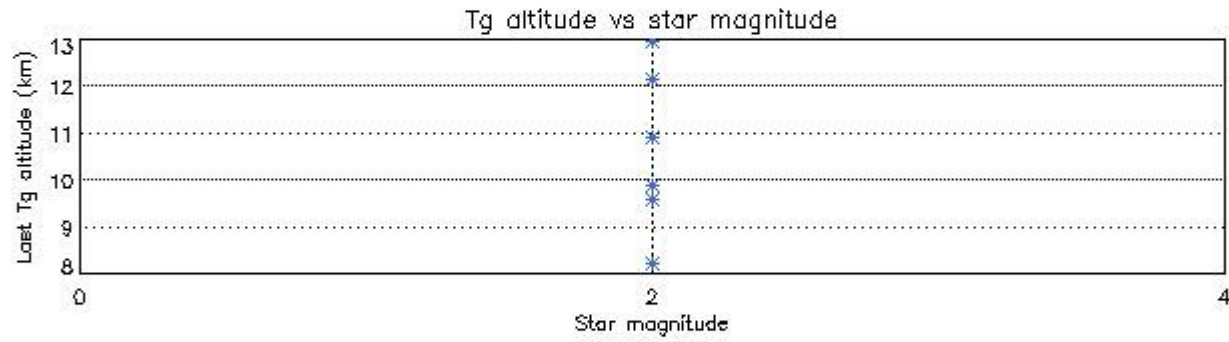
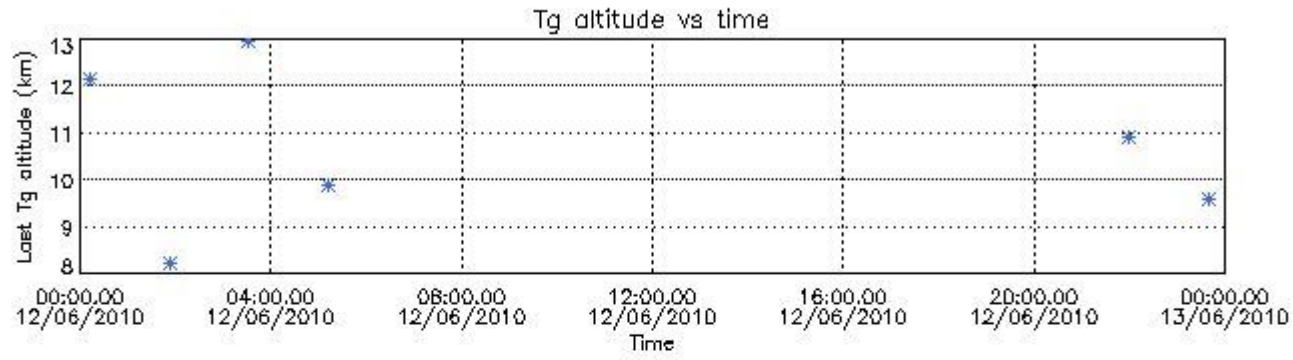
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

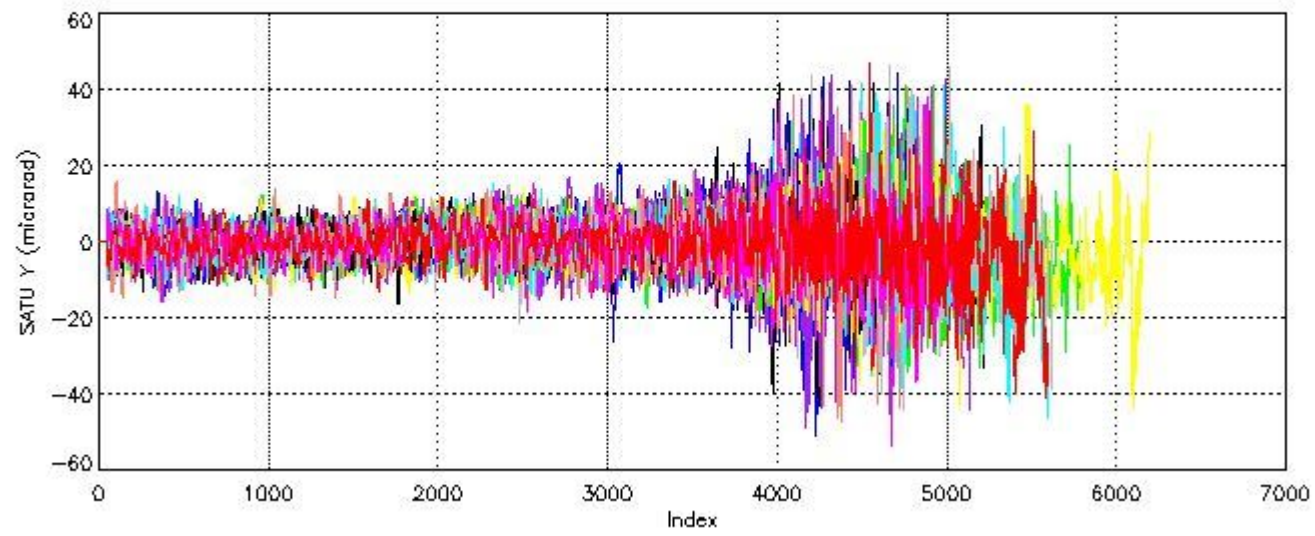
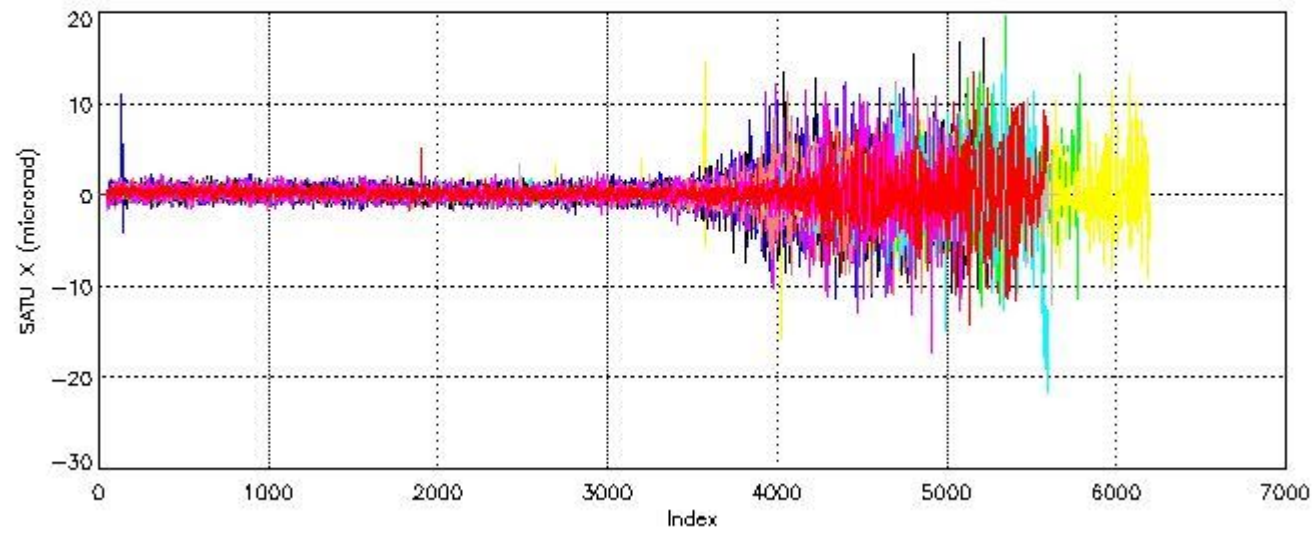


7. Star Acquisition and Tracking Unit (SATU)

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:	0.23604	-0.66101	0.24403	-0.62617
St. deviation:	0.39693	3.7663	0.81553	3.6137
Maximum:	11.000	15.900	4.6000	14.500
Minimum:	-4.1000	-15.800	-4.2000	-15.600

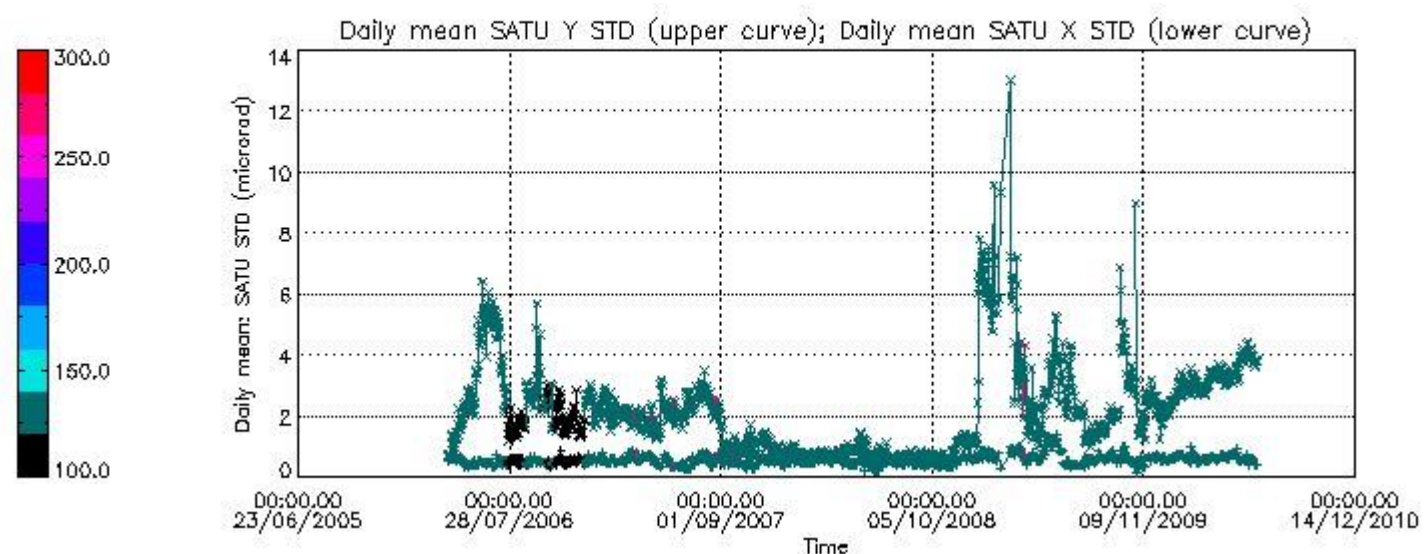
Number of data:	22600.	22600.	66450.	66450.
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

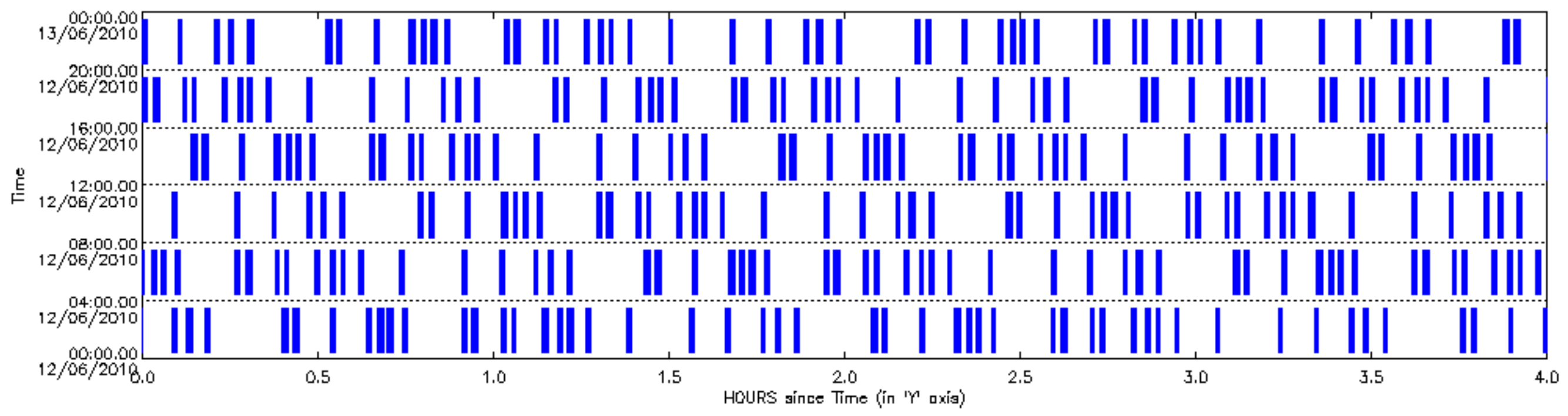
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

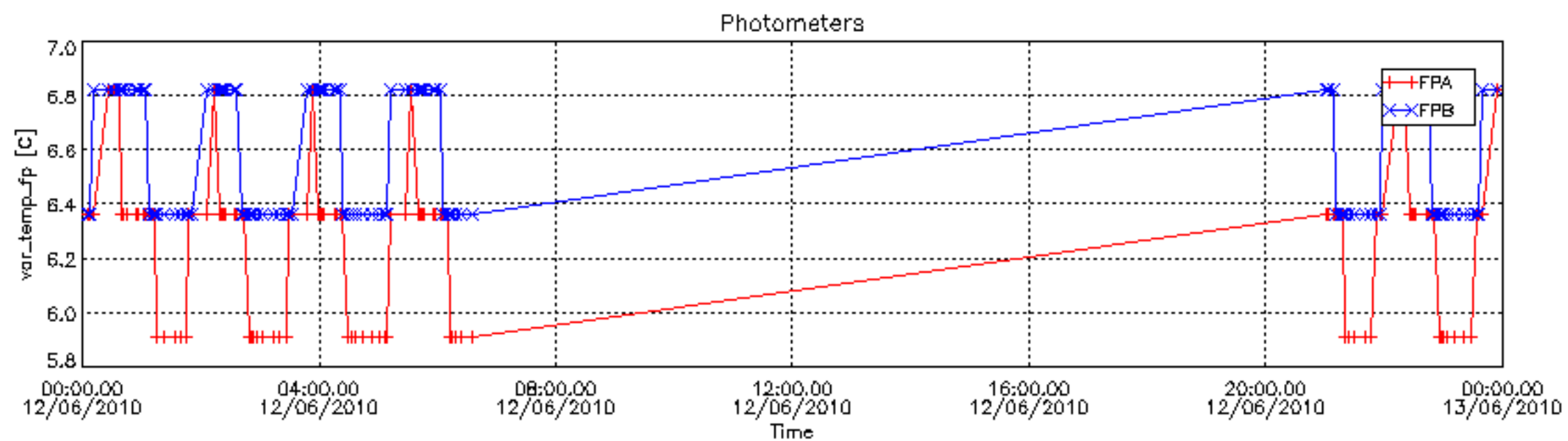
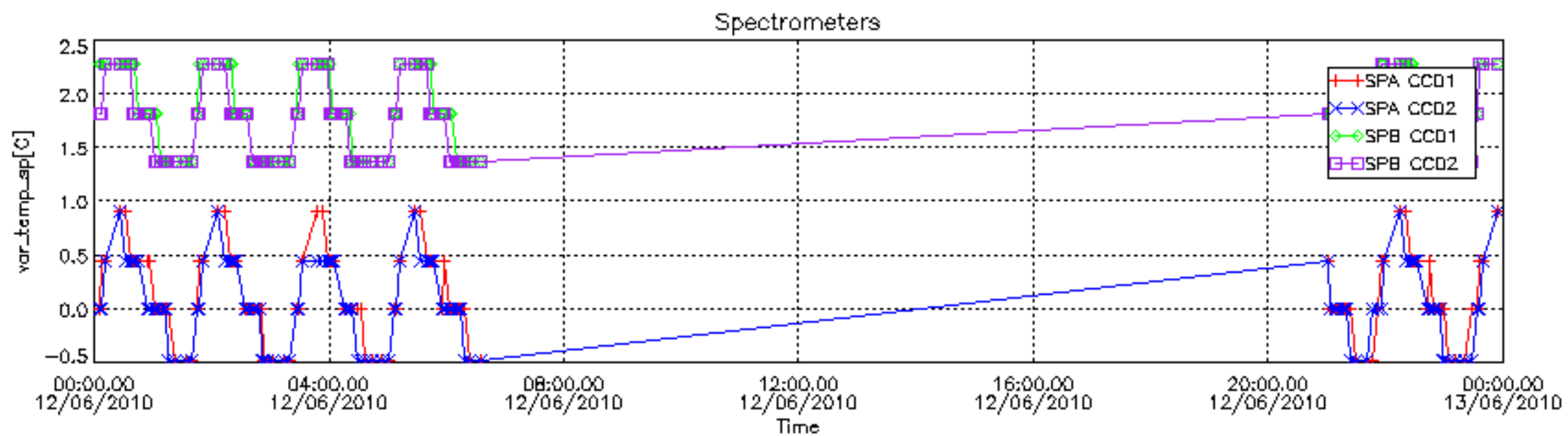


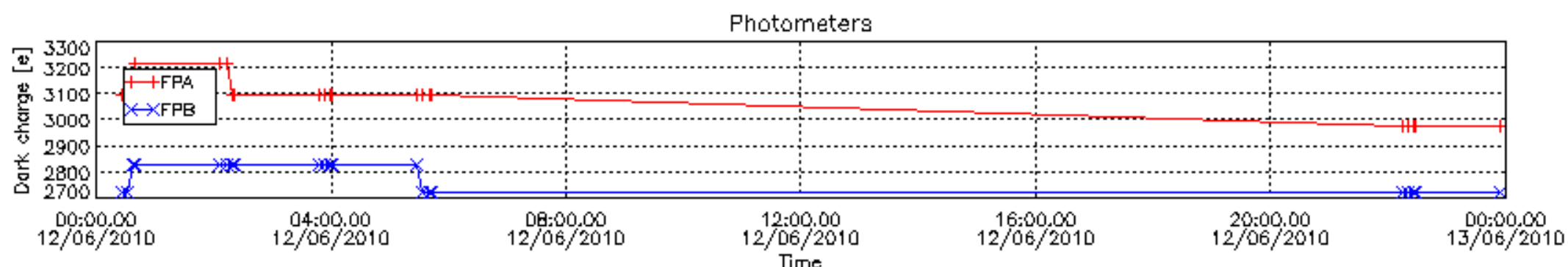
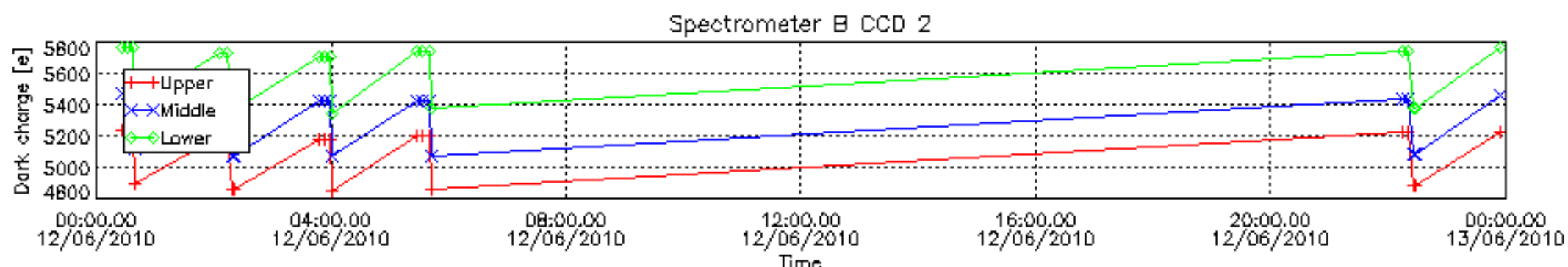
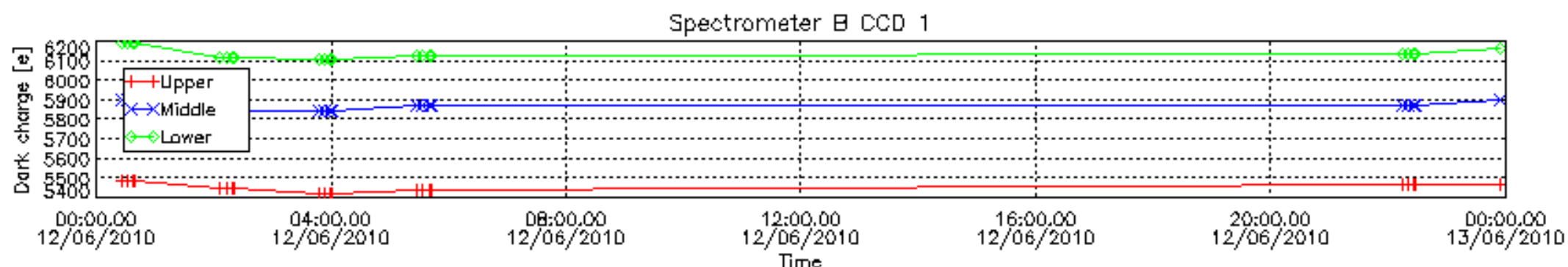
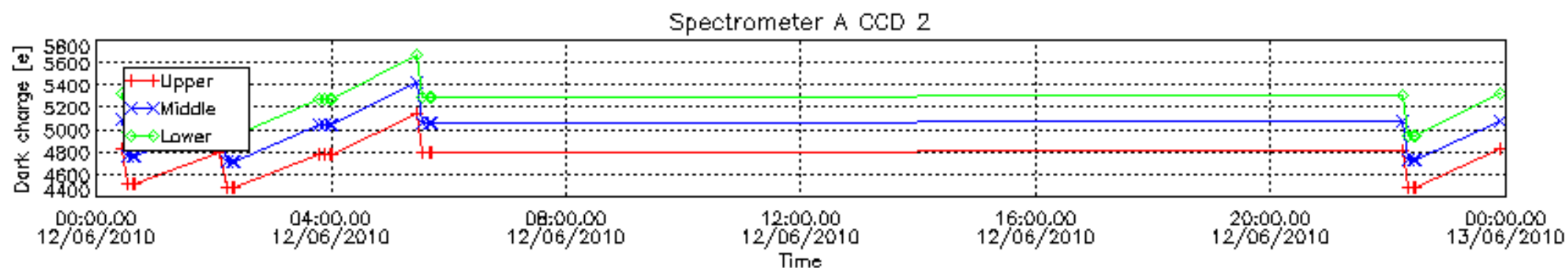
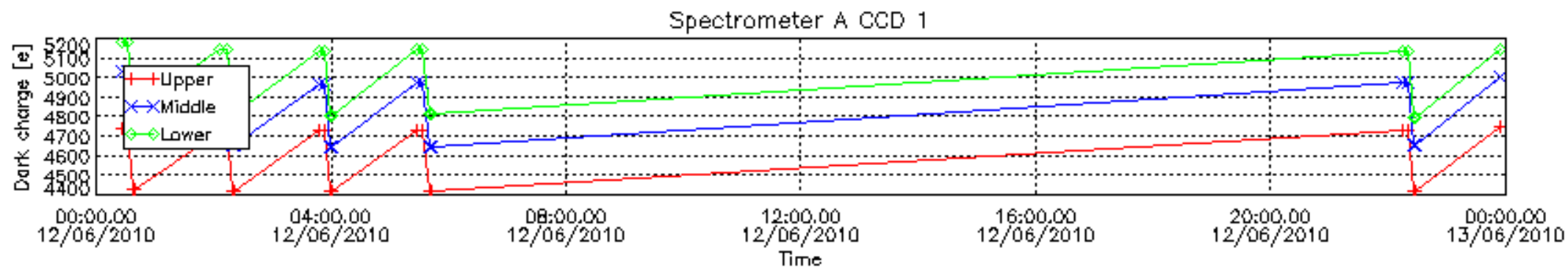
8. Auxiliary Data Files used for the production reported in section 2.4

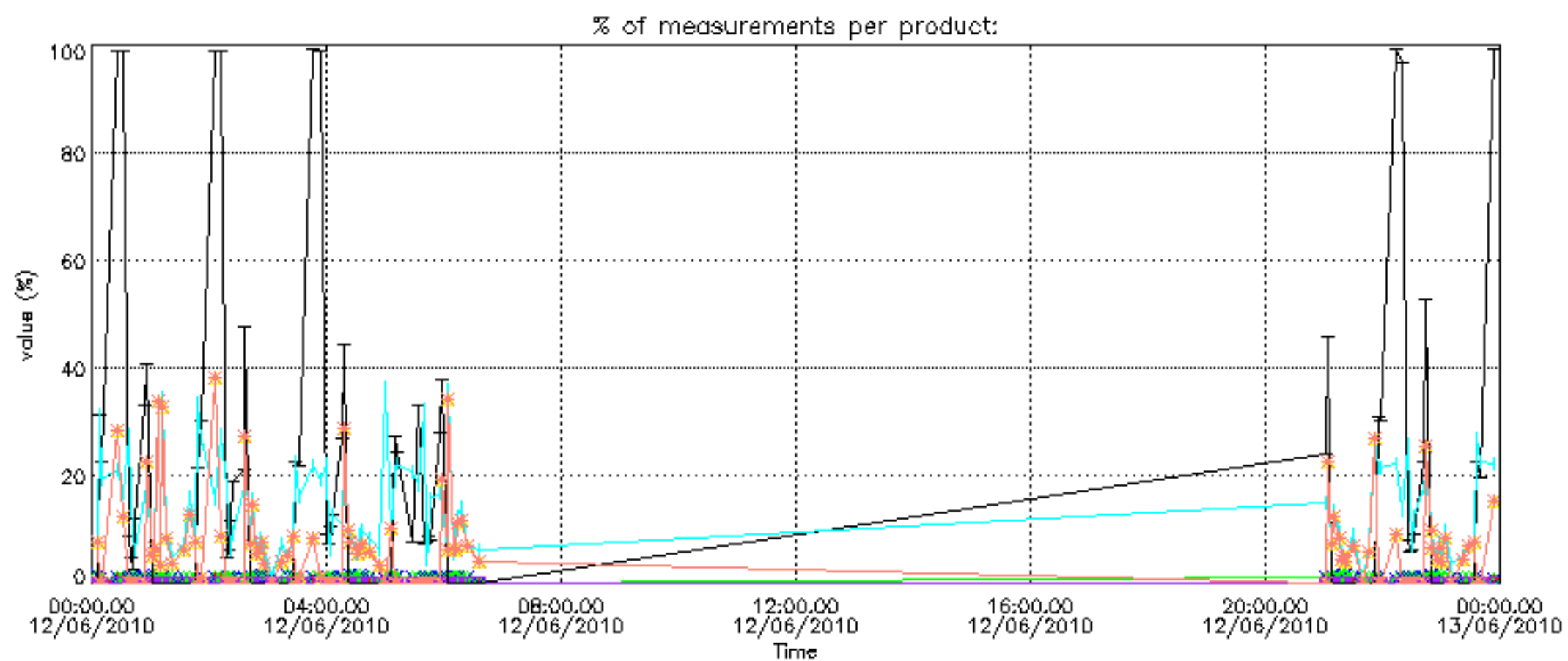
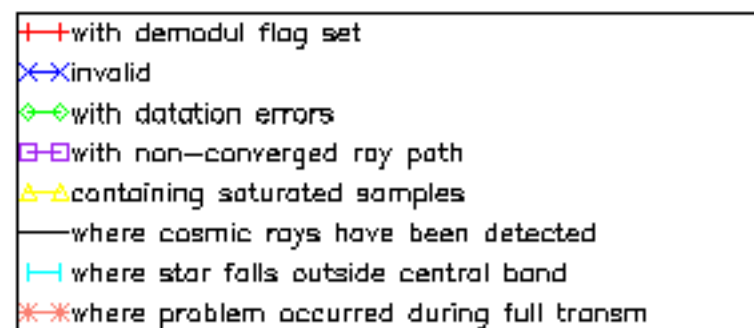
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	12-JUN-2010 00:05:03
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100609_081029_20100607_000000_20500101_000000	1	12-JUN-2010 00:05:03
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	12-JUN-2010 00:05:03
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	12-JUN-2010 00:05:03
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	12-JUN-2010 00:05:03
ECMWF_FILE	AUX_ECF_AXNECM20100611_054116_20100611_210000_20100612_090000	1	12-JUN-2010 00:05:03
ECMWF_FILE	AUX_ECF_AXNECM20100611_183617_20100612_030000_20100612_150000	40	12-JUN-2010 03:20:16
ECMWF_FILE	AUX_ECA_AXNECM20100612_052112_20100611_210000_20100612_090000	60	12-JUN-2010 05:00:52
ECMWF_FILE	AUX_ECF_AXNECM20100612_054114_20100612_210000_20100613_090000	80	12-JUN-2010 21:01:48
OPTIONAL_ECMWF_FILE	MISSING	1	12-JUN-2010 00:05:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100611_224131_000054192090_00158_43298_0532.N1	1	12-JUN-2010 00:05:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100612_001709_000057382090_00159_43299_0533.N1	4	12-JUN-2010 00:25:43
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100612_015806_000041442090_00160_43300_0534.N1	24	12-JUN-2010 02:06:20
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100612_031229_000057382090_00161_43301_0535.N1	40	12-JUN-2010 03:20:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100612_045326_000057382090_00162_43302_0536.N1	60	12-JUN-2010 05:00:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100612_205507_000041442090_00172_43312_0537.N1	80	12-JUN-2010 21:01:48
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100612_220930_000057382090_00172_43312_0538.N1	94	12-JUN-2010 22:13:42
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100612_234509_000057382090_00173_43313_0539.N1	114	12-JUN-2010 23:54:19

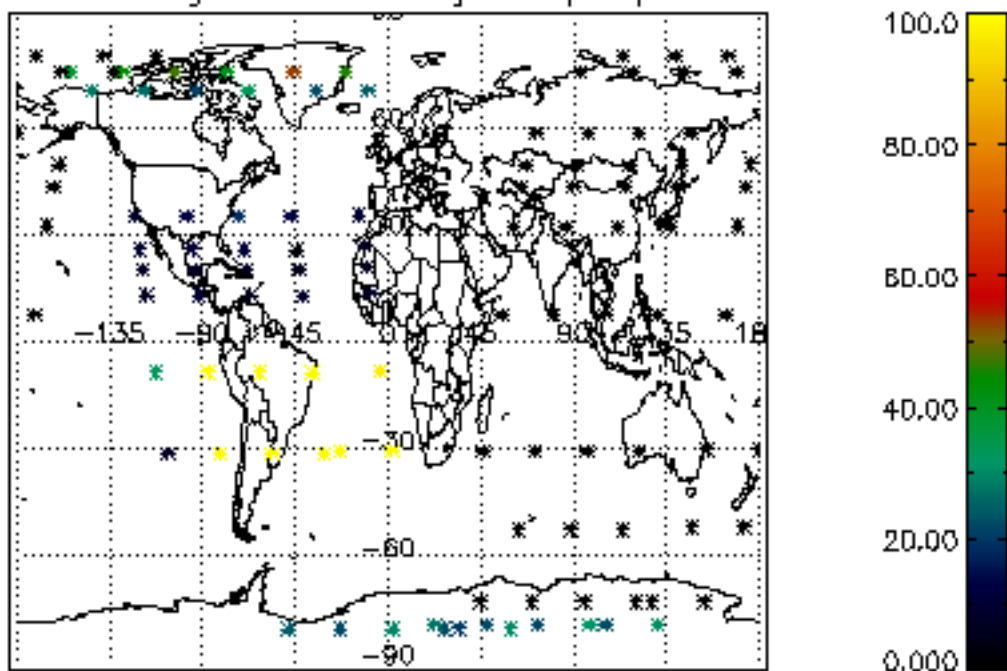




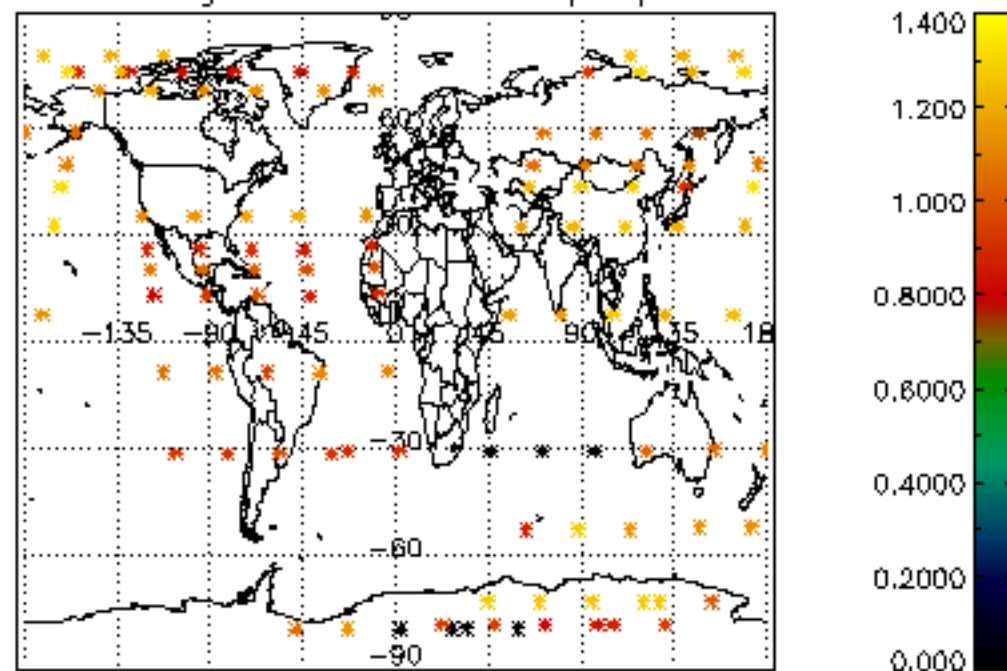




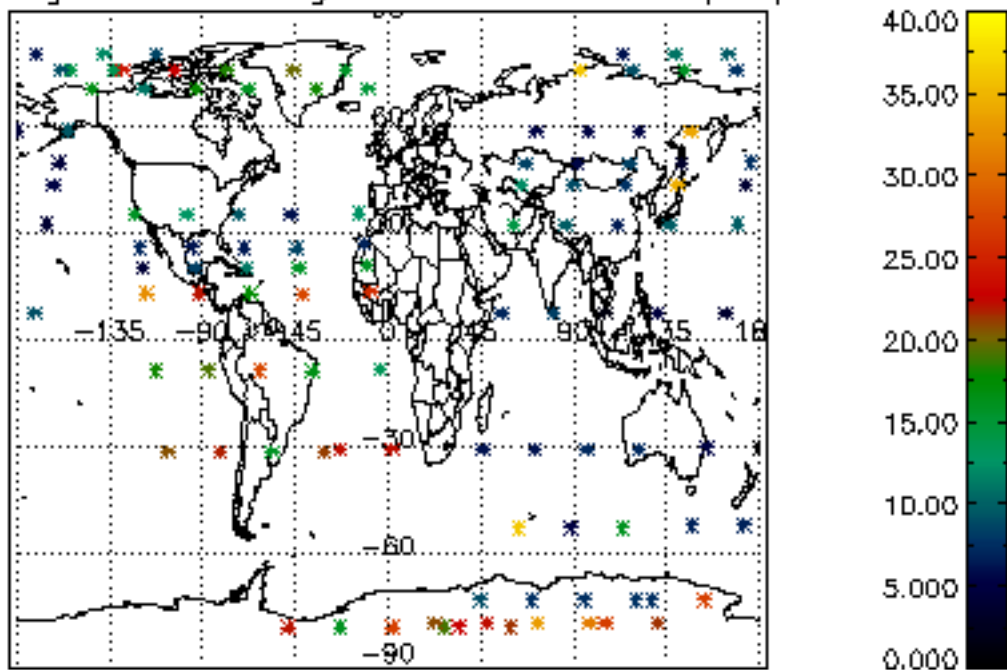
Percentage of cosmic ray hits per profile



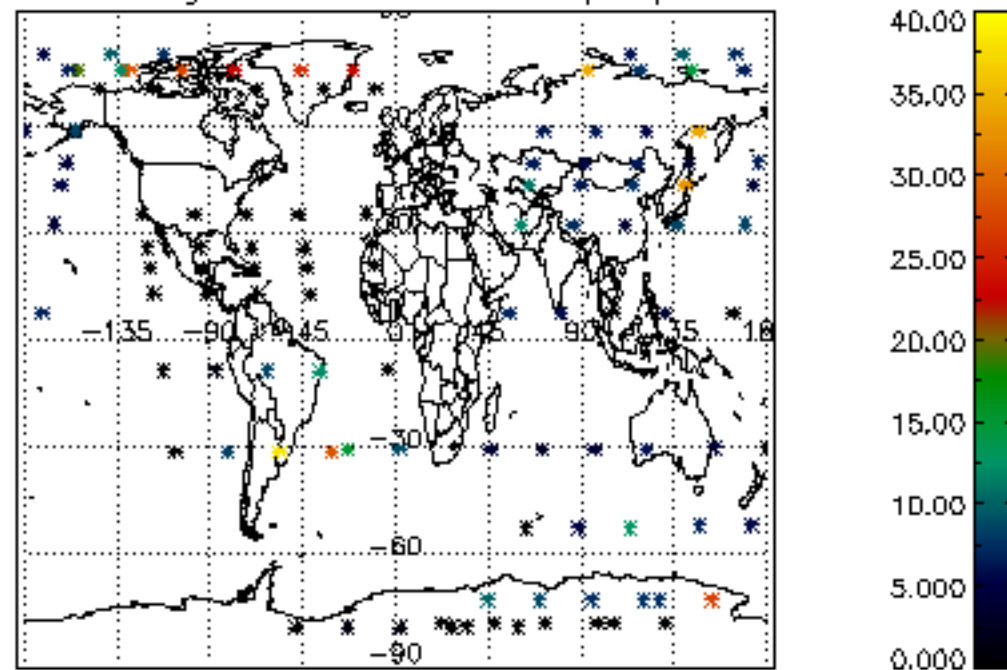
Percentage of datation errors per profile



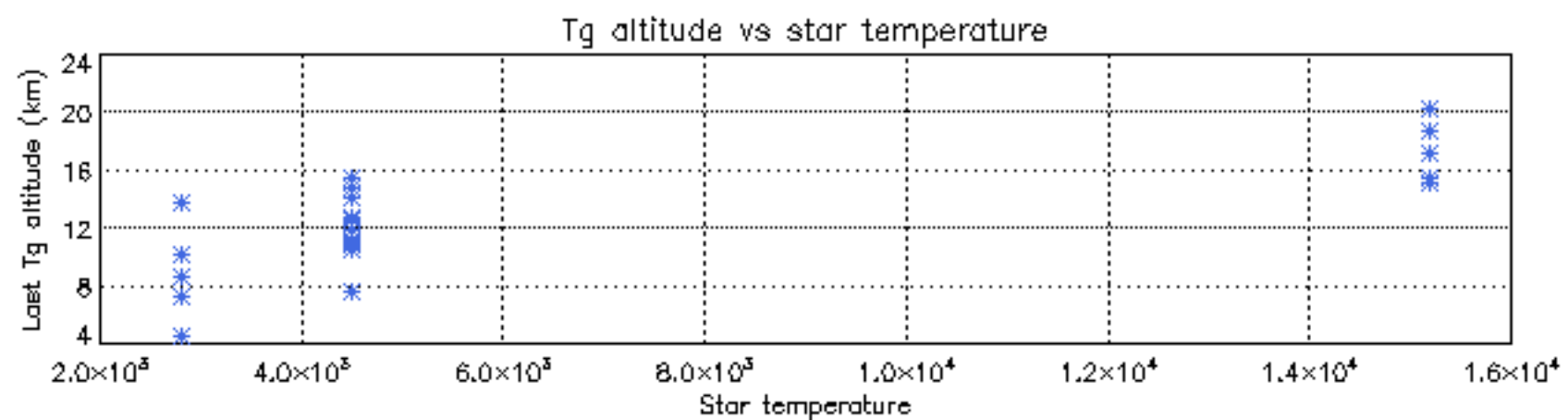
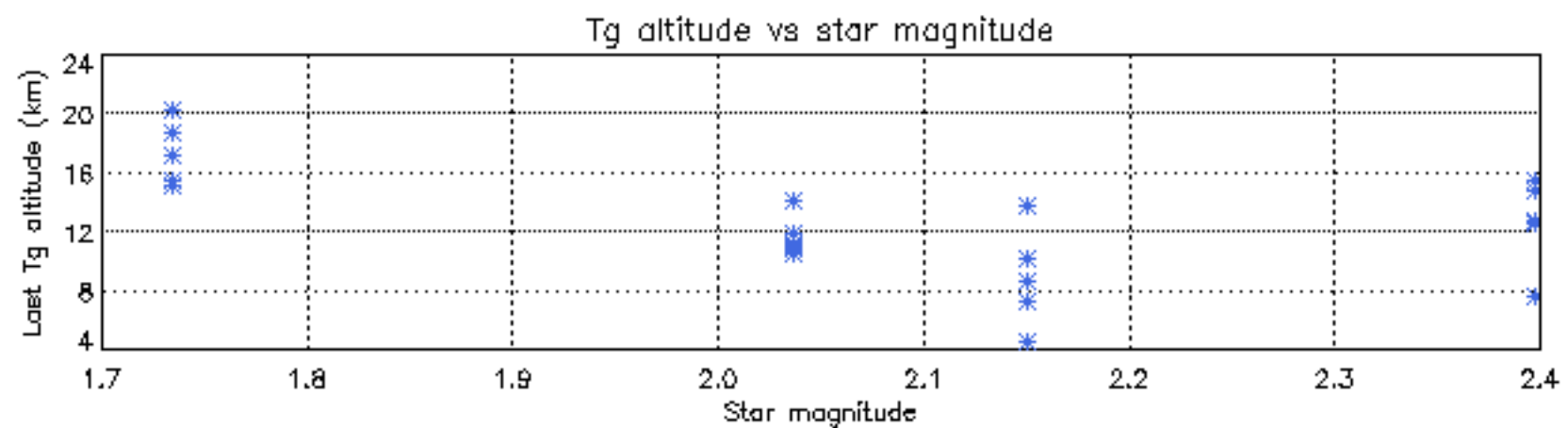
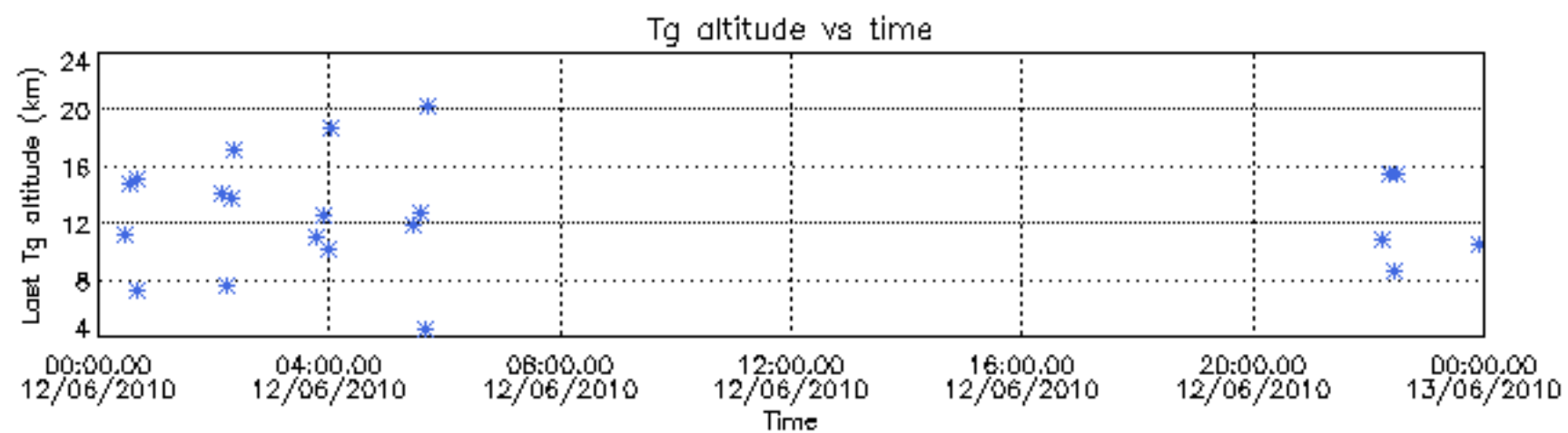
Percentage of star falling outside central band per profile



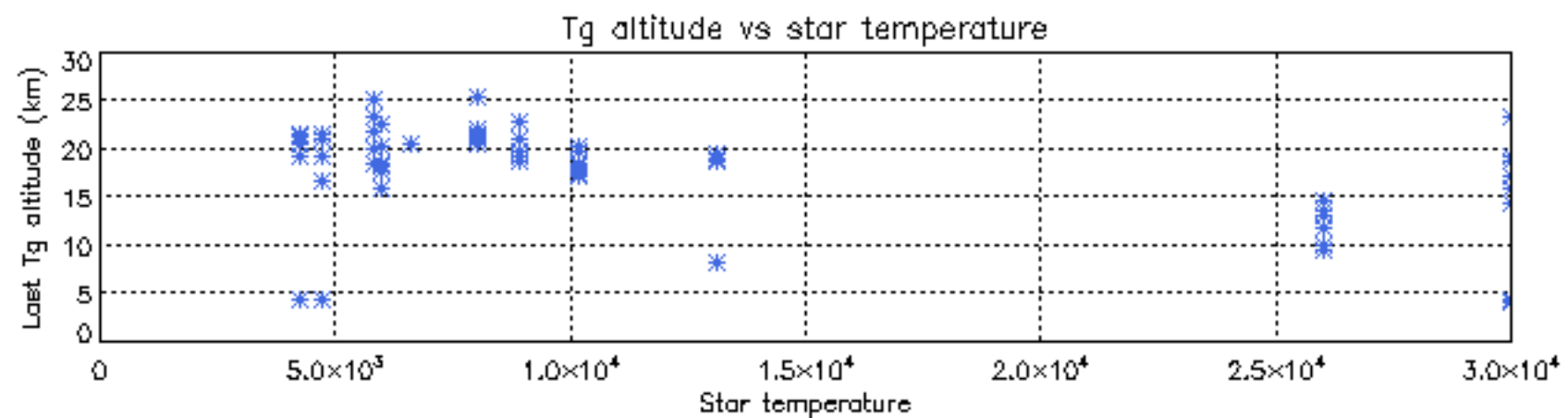
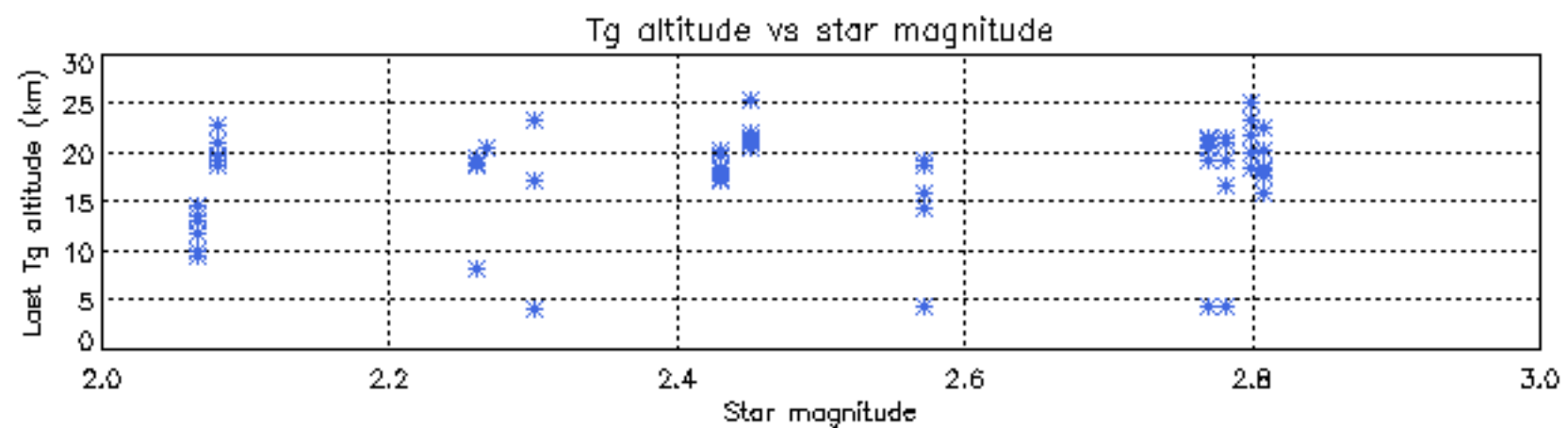
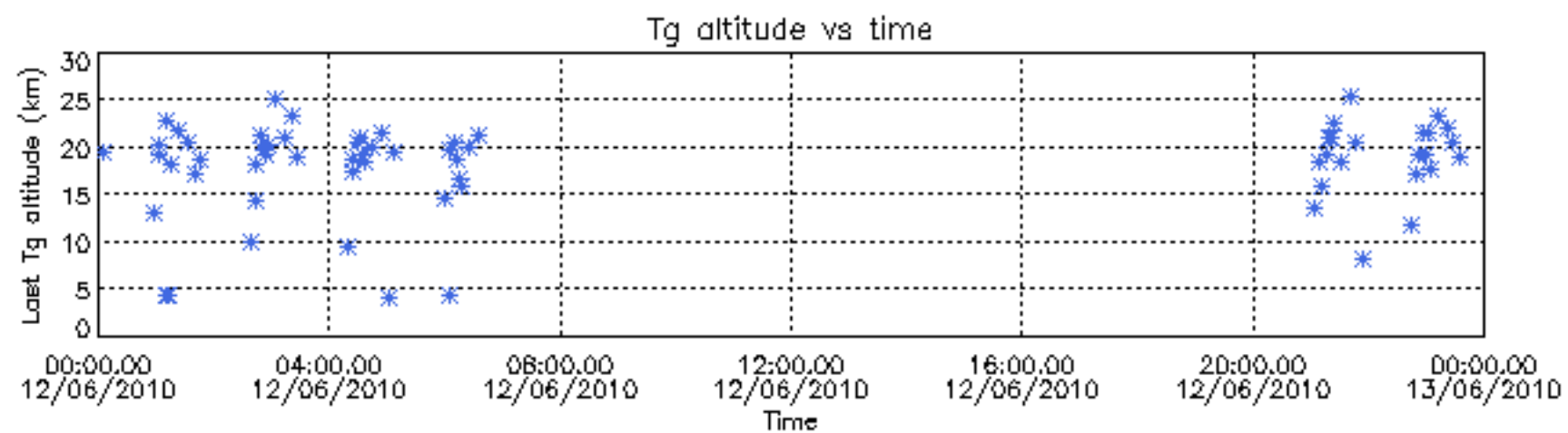
Percentage of saturation errors per profile



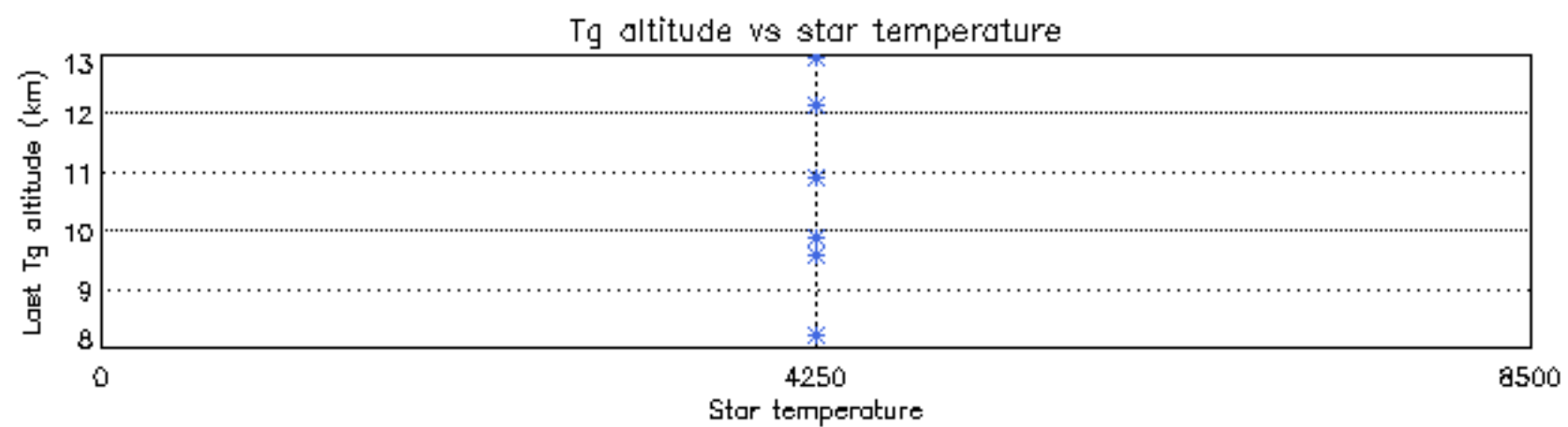
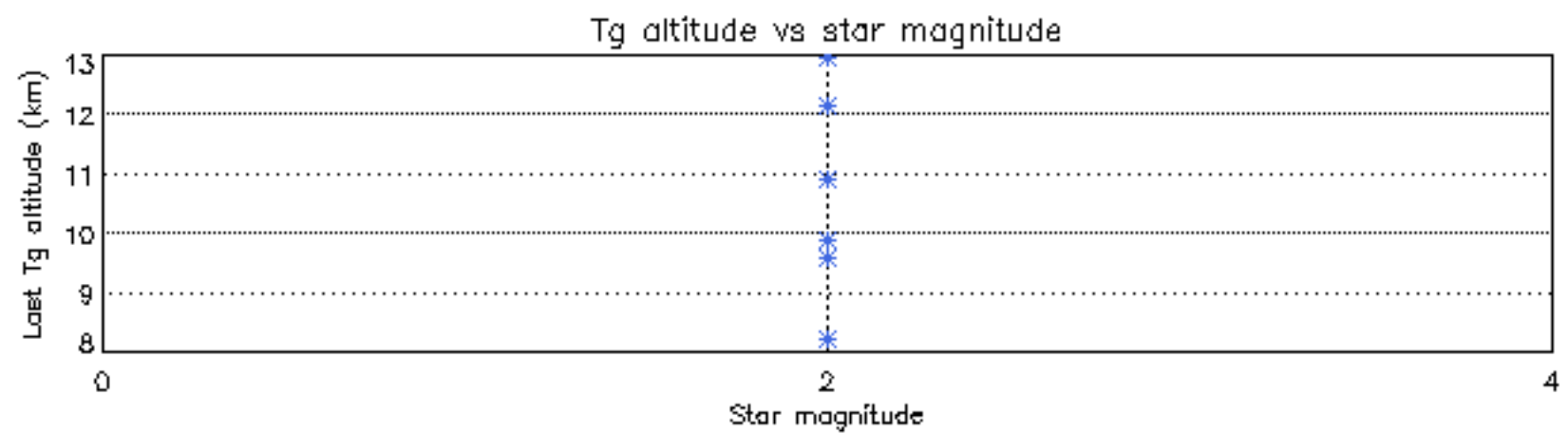
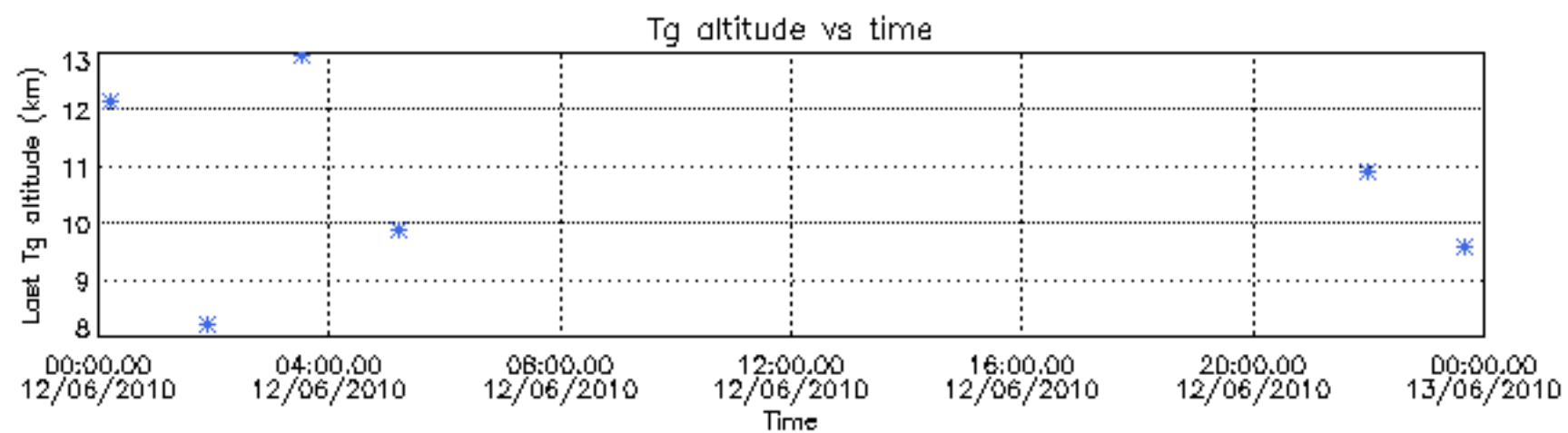
Tangent altitude at which the star is lost

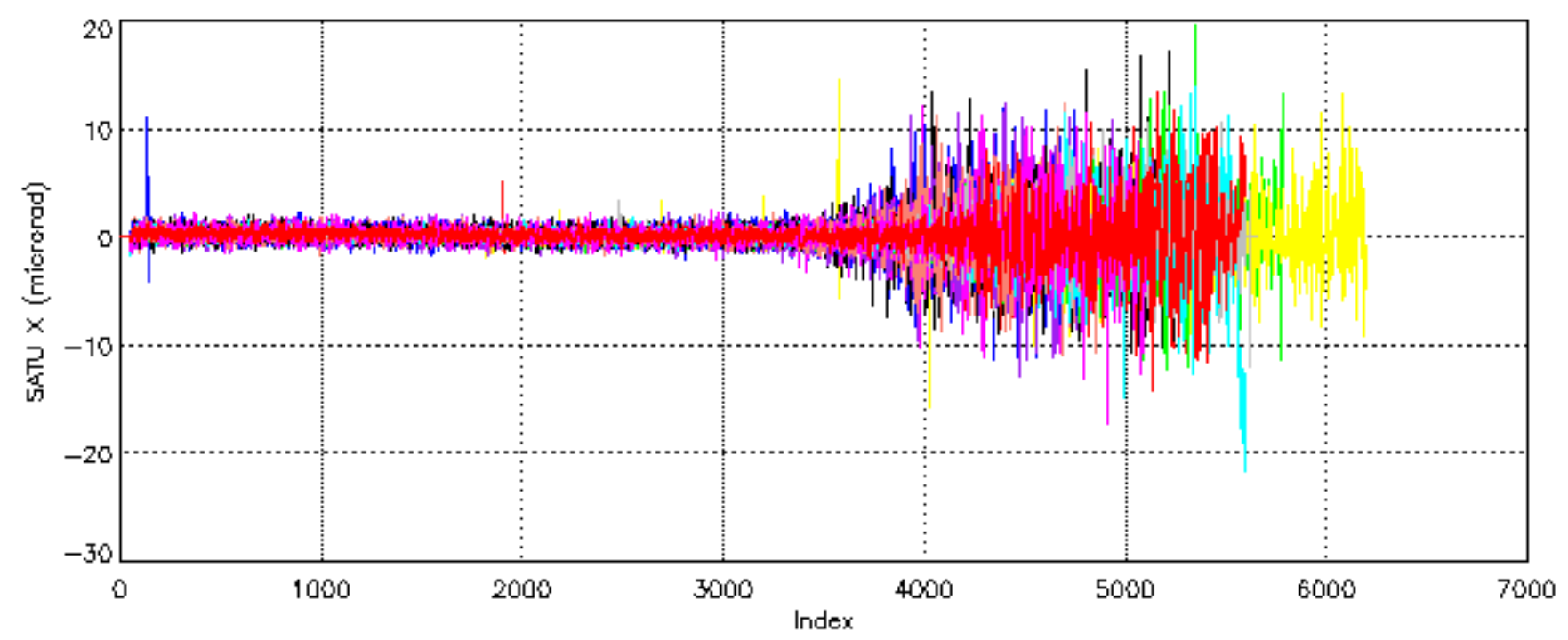


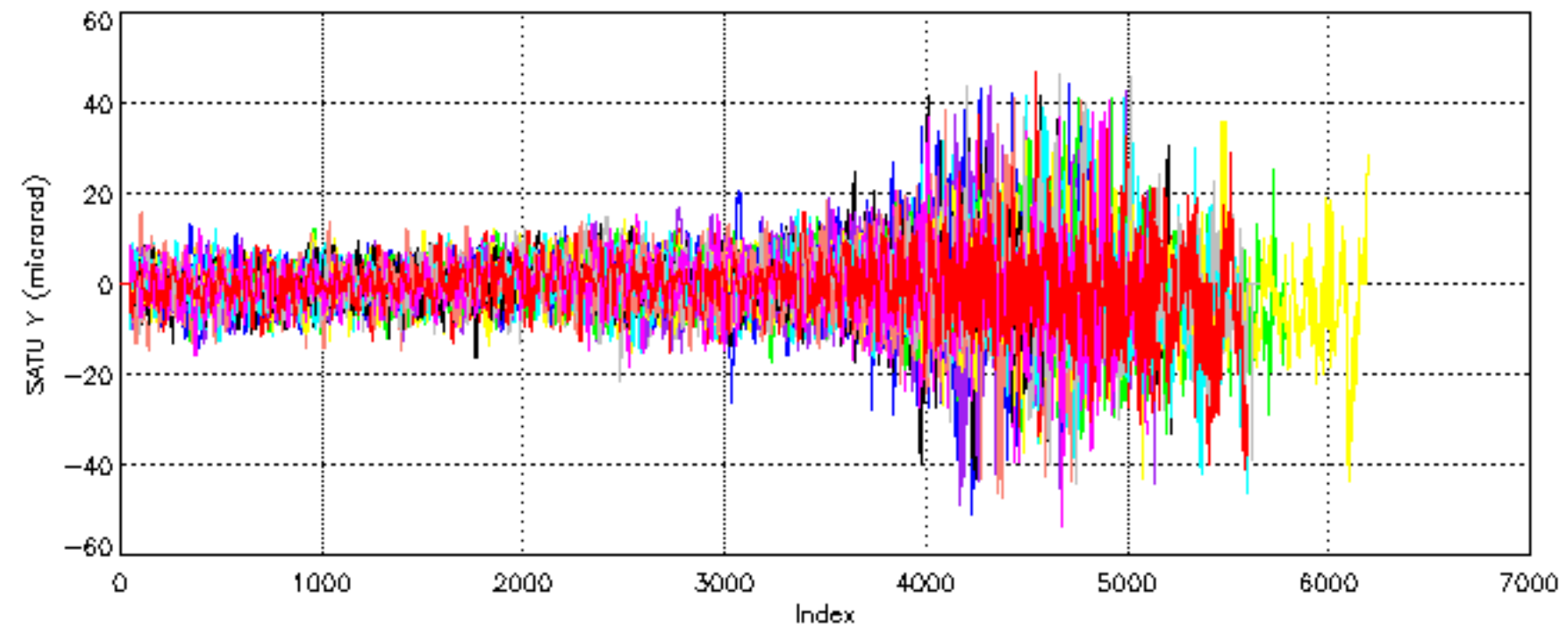
Tangent altitude at which the star is lost

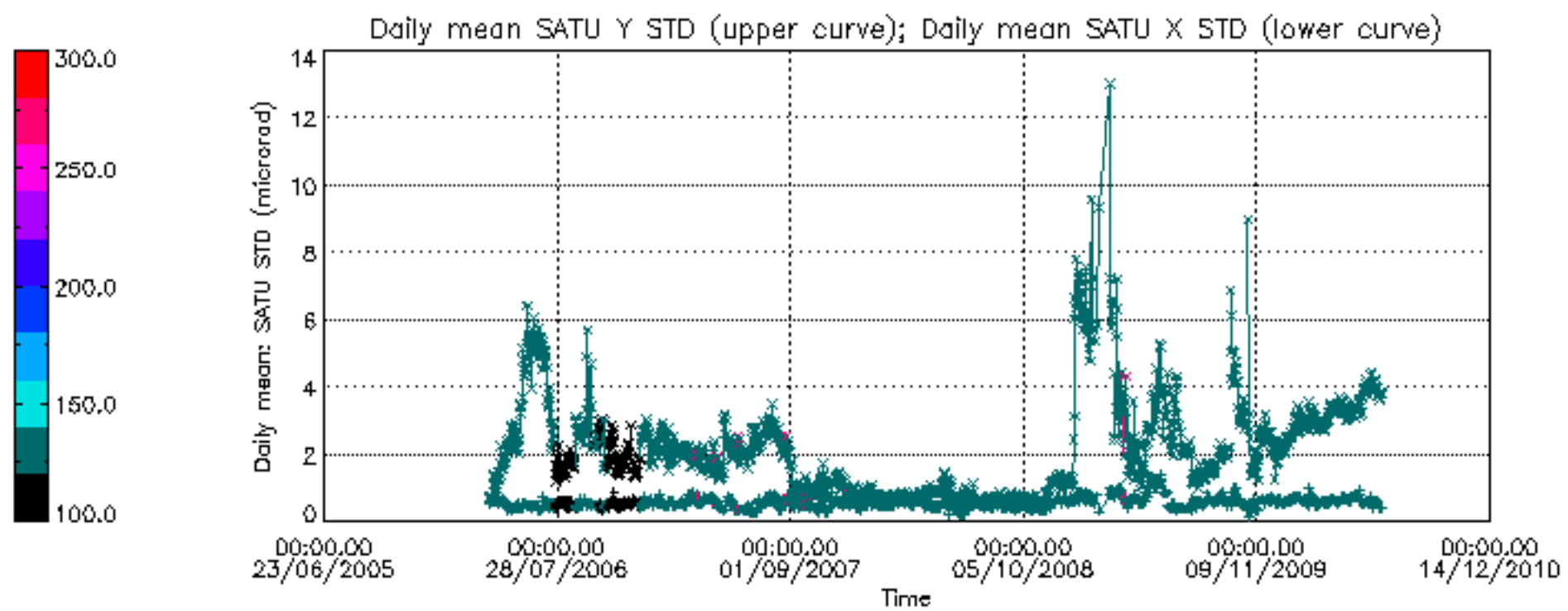


Tangent altitude at which the star is lost









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16; 2504.7; 04-JUN-2010 22:15:12; Bright; 41.5; 133; 40Zet Her ; 2.81; 6000;occ; 83; 0;43198
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 6; 2837.4; 22-JUN-2010 07:49:51; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;43447
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 17; 6397.4; 22-JUN-2010 08:49:11; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;43448
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 22; 7489.9; 22-JUN-2010 09:07:23; Bright; 52.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 104; 0;43448
 23; 7661.1; 22-JUN-2010 09:10:14; Bright; 37.5; 86; 35Eta Oph ; 2.43; 10200;occ; 75; 0;43448

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 16; 6398.3; 22-JUN-2010 10:29:48; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;43449
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 18; 6715.1; 22-JUN-2010 10:35:04; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;43449
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 20; 7358.9; 22-JUN-2010 10:45:48; Dark ; 50.5; 116; 19Del Sgr ; 2.70; 4100;occ; 101; 0;43449
 21; 7490.0; 22-JUN-2010 10:47:59; Bright; 52.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 104; 0;43449
 22; 7661.0; 22-JUN-2010 10:50:50; Bright; 38.0; 86; 35Eta Oph ; 2.43; 10200;occ; 76; 0;43449

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 7; 3843.4; 22-JUN-2010 11:27:49; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;43449
 8; 3934.4; 22-JUN-2010 11:29:20; Bright; 46.0; 68; 18Alp Cas ; 2.22; 4500;occ; 92; 0;43449
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18; 6715.6; 22-JUN-2010 12:15:41; Dark ; 45.5; 45; Alp Pav ; 1.94; 26000;occ; 91; 0;43450
19; 7273.4; 22-JUN-2010 12:24:59; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;43450
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 3; 1455.7; 22-JUN-2010 20:51:36; Bright; 51.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 102; 0;43455
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 5; 1990.1; 22-JUN-2010 21:00:31; Bright; 40.0; 126; 60Bet Oph ; 2.77; 4250;occ; 80; 0;43455
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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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11; 509.0; 24-JUN-2010 04:27:12; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;43474
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13; 1245.2; 24-JUN-2010 04:39:28; Dark ; 44.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 88; 0;43474
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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
17; 2131.7; 24-JUN-2010 04:54:15; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;43474
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 13; 1245.7; 24-JUN-2010 06:20:05; Dark ; 47.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 94; 0;43475
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 15; 1460.1; 24-JUN-2010 06:23:39; Bright; 50.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 100; 0;43475
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 17; 2131.6; 24-JUN-2010 06:34:51; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;43475
 18; 2446.4; 24-JUN-2010 06:40:06; Bright; 38.0; 133; 40Zet Her ; 2.81; 6000;occ; 76; 0;43475
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 21; 3411.8; 24-JUN-2010 06:56:11; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;43475

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 6; 698.4; 24-JUN-2010 21:16:21; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;43484
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 13; 2827.1; 24-JUN-2010 21:51:50; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;43484
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14; 1310.7; 30-JUN-2010 04:52:04; Dark ; 45.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 91; 0;43560
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