

GOMOS Daily Report 11-JUL-2011

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	14JUL2011 07:05:28
Data source version	GOMOS/6.01
Start time of products	11JUL2011 00:00:43
Stop time of products	11JUL2011 23:55:35
Store outputs in DB	Yes
Nb of level 1b prods	286
Nb of prods with errors	3

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

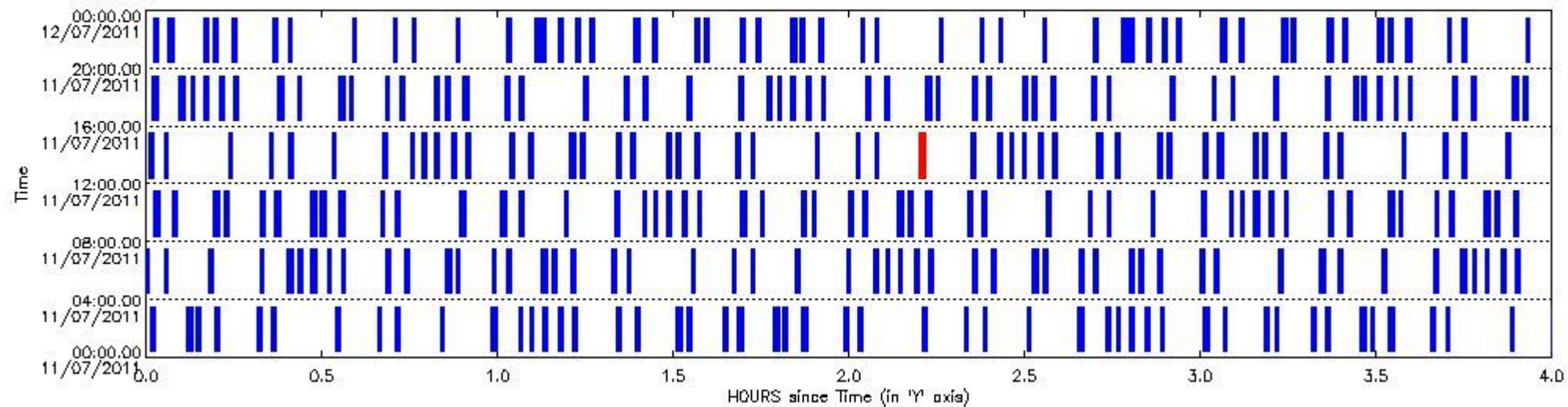
2.1 Level 0 products arrived in PCF (see template [here](#))

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-JUL-2011 14:12:03	5AlpCep	89	48961

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_1PNPDE20110711_000043_000000523104_00232_48953_2238.N1	11-JUL-2011 00:00:43	Dark	51.500	84	Alp Phe	2.3970	4500.0	103	48953	No
2	GOM_TRA_1PNPDE20110711_000647_000000623104_00232_48953_2239.N1	11-JUL-2011 00:06:47	Straylight	61.500	63	Bet Gru	2.1500	2800.0	123	48953	No
3	GOM_TRA_1PNPDE20110711_000829_000000483104_00232_48953_2240.N1	11-JUL-2011 00:08:29	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	48953	No
4	GOM_TRA_1PNPDE20110711_001138_000000533104_00232_48953_2241.N1	11-JUL-2011 00:11:38	Straylight	52.500	172	Gam Gru	3.0030	13100.	105	48953	No
5	GOM_TRA_1PNPDE20110711_001850_000000523104_00232_48953_2242.N1	11-JUL-2011 00:18:50	Bright	52.000	103	38Zet Sgr	2.6000	9700.0	104	48953	No
6	GOM_TRA_1PNPDE20110711_002122_000000423104_00232_48953_2243.N1	11-JUL-2011 00:21:22	Bright	41.500	155	41Pi Sgr	2.9000	6600.0	83	48953	No
7	GOM_TRA_1PNPDE20110711_003222_000000413104_00232_48953_2244.N1	11-JUL-2011 00:32:22	Bright	41.000	168	17Zet Aql	2.9860	11000.	82	48953	No
8	GOM_TRA_1PNPDE20110711_003925_000000393104_00232_48953_2245.N1	11-JUL-2011 00:39:25	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	48953	No
9	GOM_TRA_1PNPDE20110711_004237_000000393104_00232_48953_2246.N1	11-JUL-2011 00:42:37	Bright	39.000	69	33Gam Dra	2.2310	3800.0	78	48953	No
10	GOM_TRA_1PNPDE20110711_005010_000000453104_00232_48953_2247.N1	11-JUL-2011 00:50:10	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	48953	No

11	GOM_TRA_1PNPDE20110711_005852_000000683104_00232_48953_2248.N1	11-JUL-2011 00:58:52	Bright	68.000	76	27Gam Cas	2.3000	30000.	136	48953	No
12	GOM_TRA_1PNPDE20110711_010332_000000413104_00232_48953_2249.N1	11-JUL-2011 01:03:32	Bright	41.000	160	23Gam Per	2.9300	4700.0	82	48953	No
13	GOM_TRA_1PNPDE20110711_010531_000000353104_00232_48953_2250.N1	11-JUL-2011 01:05:31	Bright	35.000	175	39Del Per	3.0100	19400.	70	48953	No
14	GOM_TRA_1PNPDE20110711_010740_000000453104_00232_48953_2251.N1	11-JUL-2011 01:07:40	Bright	44.500	79	26Bet Per	2.3100	13100.	89	48953	No
15	GOM_TRA_1PNPDE20110711_011024_000000453104_00232_48953_2252.N1	11-JUL-2011 01:10:24	Bright	44.500	150	44Zet Per	2.8900	28000.	89	48953	No
16	GOM_TRA_1PNPDE20110711_011252_000000423104_00232_48953_2253.N1	11-JUL-2011 01:12:52	Twilight	42.000	146	25Eta Tau	2.8730	15200.	84	48953	No
17	GOM_TRA_1PNPDE20110711_012018_000000523104_00232_48953_2254.N1	11-JUL-2011 01:20:18	Dark	52.000	94	92Alp Cet	2.5260	3100.0	104	48953	No
18	GOM_TRA_1PNPDE20110711_012336_000000453104_00232_48953_2275.N1	11-JUL-2011 01:23:36	Dark	44.500	165	34Gam Eri	2.9500	3200.0	89	48953	No
19	GOM_TRA_1PNPDE20110711_013224_000000393104_00232_48953_2276.N1	11-JUL-2011 01:32:24	Dark	39.000	157	The1Eri	2.9060	9300.0	78	48953	No
20	GOM_TRA_1PNPDE20110711_013833_000000403104_00233_48954_2277.N1	11-JUL-2011 01:38:33	Dark	40.000	9	Alp Eri	0.45300	24000.	80	48954	No
21	GOM_TRA_1PNPDE20110711_014058_000000523104_00233_48954_2278.N1	11-JUL-2011 01:40:58	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	48954	No
22	GOM_TRA_1PNPDE20110711_014701_000000643104_00233_48954_2279.N1	11-JUL-2011 01:47:01	Straylight	64.000	63	Bet Gru	2.1500	2800.0	128	48954	No
23	GOM_TRA_1PNPDE20110711_014844_000000493104_00233_48954_2280.N1	11-JUL-2011 01:48:44	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	48954	No
24	GOM_TRA_1PNPDE20110711_015153_000000563104_00233_48954_2281.N1	11-JUL-2011 01:51:53	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	48954	No
25	GOM_TRA_1PNPDE20110711_015905_000000433104_00233_48954_2282.N1	11-JUL-2011 01:59:05	Bright	42.500	103	38Zet Sgr	2.6000	9700.0	85	48954	No
26	GOM_TRA_1PNPDE20110711_020137_000000413104_00233_48954_2283.N1	11-JUL-2011 02:01:37	Bright	41.000	155	41Pi Sgr	2.9000	6600.0	82	48954	No
27	GOM_TRA_1PNPDE20110711_021236_000000423104_00233_48954_2284.N1	11-JUL-2011 02:12:36	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	48954	No
28	GOM_TRA_1PNPDE20110711_021938_000000383104_00233_48954_2285.N1	11-JUL-2011 02:19:38	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	48954	No
29	GOM_TRA_1PNPDE20110711_022250_000000393104_00233_48954_2286.N1	11-JUL-2011 02:22:50	Bright	38.500	69	33Gam Dra	2.2310	3800.0	77	48954	No
30	GOM_TRA_1PNPDE20110711_023023_000000433104_00233_48954_2287.N1	11-JUL-2011 02:30:23	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	48954	No
31	GOM_TRA_1PNPDE20110711_023905_000000683104_00233_48954_2288.N1	11-JUL-2011 02:39:05	Bright	68.000	76	27Gam Cas	2.3000	30000.	136	48954	No
32	GOM_TRA_1PNPDE20110711_024346_000000463104_00233_48954_2289.N1	11-JUL-2011 02:43:46	Bright	46.000	160	23Gam Per	2.9300	4700.0	92	48954	No
33	GOM_TRA_1PNPDE20110711_024545_000000363104_00233_48954_2290.N1	11-JUL-2011 02:45:45	Bright	36.000	175	39Del Per	3.0100	19400.	72	48954	No
34	GOM_TRA_1PNPDE20110711_024754_000000443104_00233_48954_2291.N1	11-JUL-2011 02:47:54	Bright	43.500	79	26Bet Per	2.3100	13100.	87	48954	No
35	GOM_TRA_1PNPDE20110711_025038_000000443104_00233_48954_2292.N1	11-JUL-2011 02:50:38	Bright	44.000	150	44Zet Per	2.8900	28000.	88	48954	No
36	GOM_TRA_1PNPDE20110711_025306_000000443104_00233_48954_2293.N1	11-JUL-2011 02:53:06	Twilight	44.000	146	25Eta Tau	2.8730	15200.	88	48954	No
37	GOM_TRA_1PNPDE20110711_030033_000000553104_00233_48954_2294.N1	11-JUL-2011 03:00:33	Dark	55.000	94	92Alp Cet	2.5260	3100.0	110	48954	No
38	GOM_TRA_1PNPDE20110711_030350_000000453104_00233_48954_2295.N1	11-JUL-2011 03:03:50	Dark	44.500	165	34Gam Eri	2.9500	3200.0	89	48954	No
39	GOM_TRA_1PNPDE20110711_031238_000000413104_00233_48954_2296.N1	11-JUL-2011 03:12:38	Dark	41.000	157	The1Eri	2.9060	9300.0	82	48954	No
40	GOM_TRA_1PNPDE20110711_031848_000000523104_00234_48955_2297.N1	11-JUL-2011 03:18:48	Dark	52.000	9	Alp Eri	0.45300	24000.	104	48955	No
41	GOM_TRA_1PNPDE20110711_032113_000000533104_00234_48955_2298.N1	11-JUL-2011 03:21:13	Dark	52.500	84	Alp Phe	2.3970	4500.0	105	48955	No
42	GOM_TRA_1PNPDE20110711_032716_000000633104_00234_48955_2299.N1	11-JUL-2011 03:27:16	Straylight	63.000	63	Bet Gru	2.1500	2800.0	126	48955	No
43	GOM_TRA_1PNPDE20110711_032859_000000483104_00234_48955_2300.N1	11-JUL-2011 03:28:59	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	48955	No
44	GOM_TRA_1PNPDE20110711_033208_000000543104_00234_48955_2301.N1	11-JUL-2011 03:32:08	Straylight	53.500	172	Gam Gru	3.0030	13100.	107	48955	No
45	GOM_TRA_1PNPDE20110711_033919_000000423104_00234_48955_2302.N1	11-JUL-2011 03:39:19	Bright	42.000	103	38Zet Sgr	2.6000	9700.0	84	48955	No
46	GOM_TRA_1PNPDE20110711_034151_000000413104_00234_48955_2303.N1	11-JUL-2011 03:41:51	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	48955	No
47	GOM_TRA_1PNPDE20110711_035250_000000413104_00234_48955_2304.N1	11-JUL-2011 03:52:50	Bright	40.500	168	17Zet Aql	2.9860	11000.	81	48955	No
48	GOM_TRA_1PNPDE20110711_035952_000000423104_00234_48955_2305.N1	11-JUL-2011 03:59:52	Bright	41.500	5	3Alp Lyr	0.033000	11000.	83	48955	No
49	GOM_TRA_1PNPDE20110711_040304_000000363104_00234_48955_2306.N1	11-JUL-2011 04:03:04	Bright	35.500	69	33Gam Dra	2.2310	3800.0	71	48955	No
50	GOM_TRA_1PNPDE20110711_041036_000000453104_00234_48955_2307.N1	11-JUL-2011 04:10:36	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	48955	No
51	GOM_TRA_1PNPDE20110711_041919_000000463104_00234_48955_2304.N1	11-JUL-2011 04:19:19	Bright	46.000	76	27Gam Cas	2.3000	30000.	92	48955	No
52	GOM_TRA_1PNPDE20110711_042400_000000603104_00234_48955_2305.N1	11-JUL-2011 04:24:00	Bright	60.000	160	23Gam Per	2.9300	4700.0	120	48955	No
53	GOM_TRA_1PNPDE20110711_042559_000000453104_00234_48955_2306.N1	11-JUL-2011 04:25:59	Bright	45.000	175	39Del Per	3.0100	19400.	90	48955	No
54	GOM_TRA_1PNPDE20110711_042808_000000573104_00234_48955_2307.N1	11-JUL-2011 04:28:08	Bright	57.000	79	26Bet Per	2.3100	13100.	114	48955	No
55	GOM_TRA_1PNPDE20110711_043052_000000443104_00234_48955_2308.N1	11-JUL-2011 04:30:52	Bright	44.000	150	44Zet Per	2.8900	28000.	88	48955	No
56	GOM_TRA_1PNPDE20110711_043321_000000423104_00234_48955_2309.N1	11-JUL-2011 04:33:21	Twilight	41.500	146	25Eta Tau	2.8730	15200.	83	48955	No
57	GOM_TRA_1PNPDE20110711_044048_000000543104_00234_48955_2310.N1	11-JUL-2011 04:40:48	Dark	53.500	94	92Alp Cet	2.5260	3100.0	107	48955	No
58	GOM_TRA_1PNPDE20110711_044405_000000453104_00234_48955_2311.N1	11-JUL-2011 04:44:05	Dark	45.000	165	34Gam Eri	2.9500	3200.0	90	48955	No
59	GOM_TRA_1PNPDE20110711_045253_000000403104_00234_48955_2312.N1	11-JUL-2011 04:52:53	Dark	40.000	157	The1Eri	2.9060	9300.0	80	48955	No
60	GOM_TRA_1PNPDE20110711_045903_000000423104_00235_48956_2313.N1	11-JUL-2011 04:59:03	Dark	42.000	9	Alp Eri	0.45300	24000.	84	48956	No
61	GOM_TRA_1PNPDE20110711_050128_000000533104_00235_48956_2314.N1	11-JUL-2011 05:01:28	Dark	52.500	84	Alp Phe	2.3970	4500.0	105	48956	No
62	GOM_TRA_1PNPDE20110711_050731_000000513104_00235_48956_2315.N1	11-JUL-2011 05:07:31	Straylight	51.000	63	Bet Gru	2.1500	2800.0	102	48956	No
63	GOM_TRA_1PNPDE20110711_050913_000000483104_00235_48956_2316.N1	11-JUL-2011 05:09:13	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	48956	No
64	GOM_TRA_1PNPDE20110711_051223_000000533104_00235_48956_2317.N1	11-JUL-2011 05:12:23	Straylight	52.500	172	Gam Gru	3.0030	13100.	105	48956	No
65	GOM_TRA_1PNPDE20110711_051933_000000423104_00235_48956_2318.N1	11-JUL-2011 05:19:33	Bright	41.500	103	38Zet Sgr	2.6000	9700.0	83	48956	No
66	GOM_TRA_1PNPDE20110711_052205_000000423104_00235_48956_2319.N1	11-JUL-2011 05:22:05	Bright	41.500	155	41Pi Sgr	2.9000	6600.0	83	48956	No
67	GOM_TRA_1PNPDE20110711_053304_000000413104_00235_48956_2320.N1	11-JUL-2011 05:33:04	Bright	41.000	168	17Zet Aql	2.9860	11000.	82	48956	No
68	GOM_TRA_1PNPDE20110711_054006_000000383104_00235_48956_2321.N1	11-JUL-2011 05:40:06	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	48956	No
69	GOM_TRA_1PNPDE20110711_054318_000000383104_00235_48956_2322.N1	11-JUL-2011 05:43:18	Bright	37.500	69	33Gam Dra	2.2310	3800.0	75	48956	No

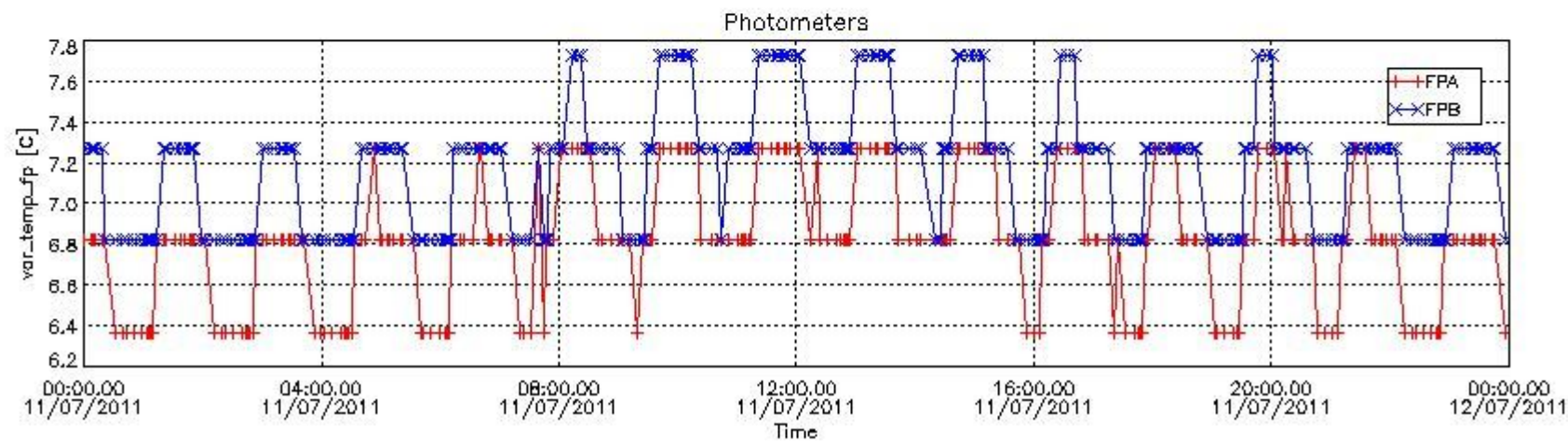
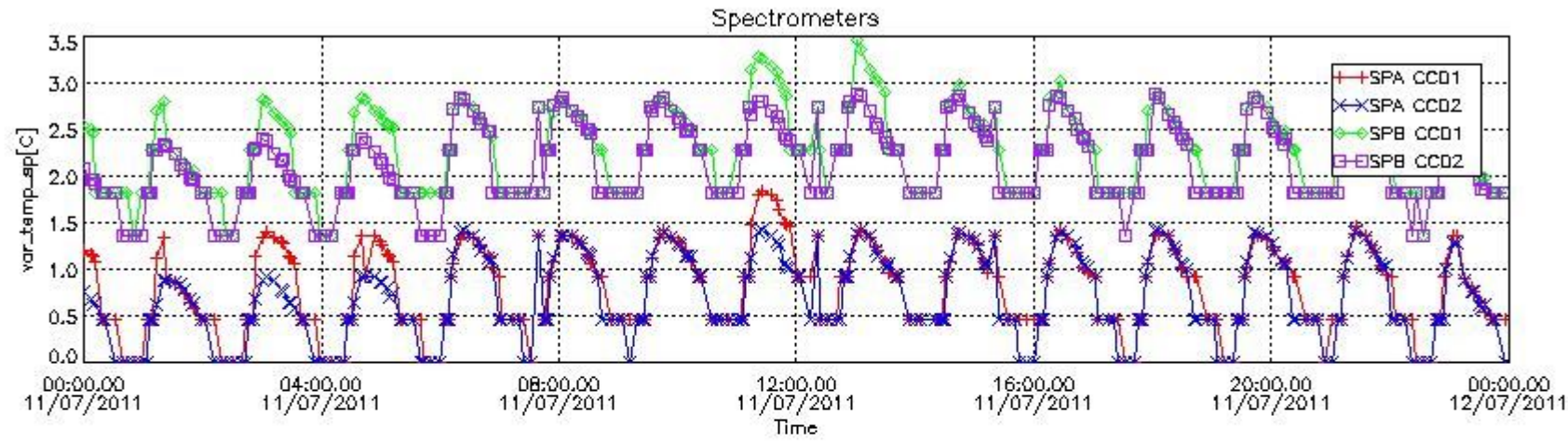
70	GOM_TRA_1PNPDE20110711_055050_000000443104_00235_48956_2323.N1	11-JUL-2011 05:50:50	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	48956	No
71	GOM_TRA_1PNPDE20110711_055932_000000463104_00235_48956_2326.N1	11-JUL-2011 05:59:32	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	48956	No
72	GOM_TRA_1PNPDE20110711_060414_000000393104_00235_48956_2327.N1	11-JUL-2011 06:04:14	Bright	39.000	160	23Gam Per	2.9300	4700.0	78	48956	No
73	GOM_TRA_1PNPDE20110711_060613_000000363104_00235_48956_2328.N1	11-JUL-2011 06:06:13	Bright	35.500	175	39Del Per	3.0100	19400.	71	48956	No
74	GOM_TRA_1PNPDE20110711_060822_000000433104_00235_48956_2329.N1	11-JUL-2011 06:08:22	Bright	42.500	79	26Bet Per	2.3100	13100.	85	48956	No
75	GOM_TRA_1PNPDE20110711_061107_000000443104_00235_48956_2330.N1	11-JUL-2011 06:11:07	Bright	44.000	150	44Zet Per	2.8900	28000.	88	48956	No
76	GOM_TRA_1PNPDE20110711_061335_000000433104_00235_48956_2331.N1	11-JUL-2011 06:13:35	Twilight	42.500	146	25Eta Tau	2.8730	15200.	85	48956	No
77	GOM_TRA_1PNPDE20110711_062102_000000543104_00235_48956_2332.N1	11-JUL-2011 06:21:02	Dark	53.500	94	92Alp Cet	2.5260	3100.0	107	48956	No
78	GOM_TRA_1PNPDE20110711_062419_000000453104_00235_48956_2333.N1	11-JUL-2011 06:24:19	Dark	45.000	165	34Gam Eri	2.9500	3200.0	90	48956	No
79	GOM_TRA_1PNPDE20110711_063308_000000413104_00235_48956_2334.N1	11-JUL-2011 06:33:08	Dark	41.000	157	The1Eri	2.9060	9300.0	82	48956	No
80	GOM_TRA_1PNPDE20110711_063917_000000463104_00236_48957_2335.N1	11-JUL-2011 06:39:17	Dark	45.500	9	Alp Eri	0.45300	24000.	91	48957	No
81	GOM_TRA_1PNPDE20110711_064143_000000523104_00236_48957_2336.N1	11-JUL-2011 06:41:43	Dark	51.500	84	Alp Phe	2.3970	4500.0	103	48957	No
82	GOM_TRA_1PNPDE20110711_064746_000000583104_00236_48957_2337.N1	11-JUL-2011 06:47:46	Straylight	57.500	63	Bet Gru	2.1500	2800.0	115	48957	No
83	GOM_TRA_1PNPDE20110711_064928_000000483104_00236_48957_2338.N1	11-JUL-2011 06:49:28	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	48957	No
84	GOM_TRA_1PNPDE20110711_065238_000000543104_00236_48957_2339.N1	11-JUL-2011 06:52:38	Straylight	53.500	172	Gam Gru	3.0030	13100.	107	48957	No
85	GOM_TRA_1PNPDE20110711_065947_000000553104_00236_48957_2340.N1	11-JUL-2011 06:59:47	Bright	55.000	103	38Zet Sgr	2.6000	9700.0	110	48957	No
86	GOM_TRA_1PNPDE20110711_070219_000000413104_00236_48957_2341.N1	11-JUL-2011 07:02:19	Bright	41.000	155	41Pi Sgr	2.9000	6600.0	82	48957	No
87	GOM_TRA_1PNPDE20110711_071318_000000473104_00236_48957_2342.N1	11-JUL-2011 07:13:18	Bright	47.000	168	17Zet Aql	2.9860	11000.	94	48957	No
88	GOM_TRA_1PNPDE20110711_072020_000000573104_00236_48957_2343.N1	11-JUL-2011 07:20:20	Bright	57.000	5	3Alp Lyr	0.033000	11000.	114	48957	No
89	GOM_TRA_1PNPDE20110711_072332_000000383104_00236_48957_2344.N1	11-JUL-2011 07:23:32	Bright	38.000	69	33Gam Dra	2.2310	3800.0	76	48957	No
90	GOM_TRA_1PNPDE20110711_073103_000000433104_00236_48957_2345.N1	11-JUL-2011 07:31:03	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	48957	No
91	GOM_TRA_1PNPDK20110711_073946_000000463104_00236_48957_4427.N1	11-JUL-2011 07:39:46	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	48957	Yes
92	GOM_TRA_1PNPDK20110711_074428_000000543104_00236_48957_4428.N1	11-JUL-2011 07:44:28	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	48957	No
93	GOM_TRA_1PNPDK20110711_074627_000000363104_00236_48957_4429.N1	11-JUL-2011 07:46:27	Bright	36.000	175	39Del Per	3.0100	19400.	72	48957	No
94	GOM_TRA_1PNPDK20110711_074836_000000423104_00236_48957_4430.N1	11-JUL-2011 07:48:36	Bright	42.000	79	26Bet Per	2.3100	13100.	84	48957	No
95	GOM_TRA_1PNPDK20110711_075121_000000423104_00236_48957_4431.N1	11-JUL-2011 07:51:21	Bright	42.000	150	44Zet Per	2.8900	28000.	84	48957	No
96	GOM_TRA_1PNPDK20110711_075349_000000433104_00236_48957_4432.N1	11-JUL-2011 07:53:49	Twilight	42.500	146	25Eta Tau	2.8730	15200.	85	48957	No
97	GOM_TRA_1PNPDK20110711_080117_000000543104_00236_48957_4433.N1	11-JUL-2011 08:01:17	Dark	53.500	94	92Alp Cet	2.5260	3100.0	107	48957	No
98	GOM_TRA_1PNPDK20110711_080434_000000443104_00236_48957_4434.N1	11-JUL-2011 08:04:34	Dark	43.500	165	34Gam Eri	2.9500	3200.0	87	48957	No
99	GOM_TRA_1PNPDK20110711_081322_000000413104_00236_48957_4435.N1	11-JUL-2011 08:13:22	Dark	40.500	157	The1Eri	2.9060	9300.0	81	48957	No
100	GOM_TRA_1PNPDK20110711_081932_000000513104_00237_48958_4436.N1	11-JUL-2011 08:19:32	Dark	51.000	9	Alp Eri	0.45300	24000.	102	48958	No
101	GOM_TRA_1PNPDK20110711_082158_000000523104_00237_48958_4437.N1	11-JUL-2011 08:21:58	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	48958	No
102	GOM_TRA_1PNPDK20110711_082801_000000593104_00237_48958_4438.N1	11-JUL-2011 08:28:01	Straylight	59.000	63	Bet Gru	2.1500	2800.0	118	48958	No
103	GOM_TRA_1PNPDK20110711_082943_000000543104_00237_48958_4439.N1	11-JUL-2011 08:29:43	Straylight	54.000	31	Alp Gru	1.7340	15200.	108	48958	No
104	GOM_TRA_1PNPDK20110711_083252_000000563104_00237_48958_4440.N1	11-JUL-2011 08:32:52	Straylight	55.500	172	Gam Gru	3.0030	13100.	111	48958	No
105	GOM_TRA_1PNPDK20110711_084002_000000423104_00237_48958_4441.N1	11-JUL-2011 08:40:02	Bright	42.000	103	38Zet Sgr	2.6000	9700.0	84	48958	No
106	GOM_TRA_1PNPDK20110711_084234_000000403104_00237_48958_4442.N1	11-JUL-2011 08:42:34	Bright	39.500	155	41Pi Sgr	2.9000	6600.0	79	48958	No
107	GOM_TRA_1PNPDK20110711_085331_000000613104_00237_48958_4516.N1	11-JUL-2011 08:53:31	Bright	61.000	168	17Zet Aql	2.9860	11000.	122	48958	No
108	GOM_TRA_1PNPDK20110711_090034_000000573104_00237_48958_4517.N1	11-JUL-2011 09:00:34	Bright	57.000	5	3Alp Lyr	0.033000	11000.	114	48958	No
109	GOM_TRA_1PNPDK20110711_090346_000000383104_00237_48958_4518.N1	11-JUL-2011 09:03:46	Bright	38.000	69	33Gam Dra	2.2310	3800.0	76	48958	No
110	GOM_TRA_1PNPDK20110711_091117_000000423104_00237_48958_4519.N1	11-JUL-2011 09:11:17	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	48958	No
111	GOM_TRA_1PNPDK20110711_091959_000000473104_00237_48958_4520.N1	11-JUL-2011 09:19:59	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	48958	No
112	GOM_TRA_1PNPDK20110711_092441_000000383104_00237_48958_4521.N1	11-JUL-2011 09:24:41	Bright	38.000	160	23Gam Per	2.9300	4700.0	76	48958	No
113	GOM_TRA_1PNPDK20110711_092641_000000363104_00237_48958_4522.N1	11-JUL-2011 09:26:41	Bright	35.500	175	39Del Per	3.0100	19400.	71	48958	No
114	GOM_TRA_1PNPDK20110711_092850_000000433104_00237_48958_4523.N1	11-JUL-2011 09:28:50	Bright	42.500	79	26Bet Per	2.3100	13100.	85	48958	No
115	GOM_TRA_1PNPDK20110711_093135_000000433104_00237_48958_4524.N1	11-JUL-2011 09:31:35	Bright	43.000	150	44Zet Per	2.8900	28000.	86	48958	No
116	GOM_TRA_1PNPDK20110711_093403_000000423104_00237_48958_4525.N1	11-JUL-2011 09:34:03	Twilight	41.500	146	25Eta Tau	2.8730	15200.	83	48958	No
117	GOM_TRA_1PNPDK20110711_094132_000000543104_00237_48958_4526.N1	11-JUL-2011 09:41:32	Dark	54.000	94	92Alp Cet	2.5260	3100.0	108	48958	No
118	GOM_TRA_1PNPDK20110711_094448_000000453104_00237_48958_4527.N1	11-JUL-2011 09:44:48	Dark	44.500	165	34Gam Eri	2.9500	3200.0	89	48958	No
119	GOM_TRA_1PNPDK20110711_095337_000000413104_00237_48958_4528.N1	11-JUL-2011 09:53:37	Dark	41.000	157	The1Eri	2.9060	9300.0	82	48958	No
120	GOM_TRA_1PNPDK20110711_095946_000000523104_00238_48959_4529.N1	11-JUL-2011 09:59:46	Dark	51.500	9	Alp Eri	0.45300	24000.	103	48959	No
121	GOM_TRA_1PNPDK20110711_100213_000000503104_00238_48959_4530.N1	11-JUL-2011 10:02:13	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	48959	No
122	GOM_TRA_1PNPDK20110711_100816_000000663104_00238_48959_4531.N1	11-JUL-2011 10:08:16	Straylight	66.000	63	Bet Gru	2.1500	2800.0	132	48959	No
123	GOM_TRA_1PNPDK20110711_100958_000000513104_00238_48959_4532.N1	11-JUL-2011 10:09:58	Straylight	50.500	31	Alp Gru	1.7340	15200.	101	48959	No
124	GOM_TRA_1PNPDK20110711_101307_000000533104_00238_48959_4533.N1	11-JUL-2011 10:13:07	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	48959	No
125	GOM_TRA_1PNPDK20110711_102016_000000533104_00238_48959_4534.N1	11-JUL-2011 10:20:16	Bright	52.500	103	38Zet Sgr	2.6000	9700.0	105	48959	No
126	GOM_TRA_1PNPDK20110711_102248_000000403104_00238_48959_4535.N1	11-JUL-2011 10:22:48	Bright	40.000	155	41Pi Sgr	2.9000	6600.0	80	48959	No
127	GOM_TRA_1PNPDK20110711_103345_000000423104_00238_48959_4548.N1	11-JUL-2011 10:33:45	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	48959	No
128	GOM_TRA_1PNPDK20110711_104047_000000423104_00238_48959_4549.N1	11-JUL-2011 10:40:47	Bright	41.500	5	3Alp Lyr	0.033000	11000.	83	48959	No

129	GOM_TRA_1PNPDK20110711_104400_000000383104_00238_48959_4550.N1	11-JUL-2011 10:44:00	Bright	38.000	69	33Gam Dra	2.2310	3800.0	76	48959	No
130	GOM_TRA_1PNPDK20110711_105130_000000433104_00238_48959_4551.N1	11-JUL-2011 10:51:30	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	48959	No
131	GOM_TRA_1PNPDK20110711_110013_000000473104_00238_48959_4552.N1	11-JUL-2011 11:00:13	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	48959	No
132	GOM_TRA_1PNPDK20110711_110455_000000403104_00238_48959_4553.N1	11-JUL-2011 11:04:55	Bright	40.000	160	23Gam Per	2.9300	4700.0	80	48959	No
133	GOM_TRA_1PNPDK20110711_110655_000000363104_00238_48959_4554.N1	11-JUL-2011 11:06:55	Bright	36.000	175	39Del Per	3.0100	19400.	72	48959	No
134	GOM_TRA_1PNPDK20110711_110904_000000623104_00238_48959_4555.N1	11-JUL-2011 11:09:04	Bright	62.000	79	26Bet Per	2.3100	13100.	124	48959	No
135	GOM_TRA_1PNPDK20110711_111149_000000443104_00238_48959_4556.N1	11-JUL-2011 11:11:49	Bright	44.000	150	44Zet Per	2.8900	28000.	88	48959	No
136	GOM_TRA_1PNPDK20110711_111418_000000423104_00238_48959_4557.N1	11-JUL-2011 11:14:18	Twilight	42.000	146	25Eta Tau	2.8730	15200.	84	48959	No
137	GOM_TRA_1PNPDK20110711_112146_000000563104_00238_48959_4558.N1	11-JUL-2011 11:21:46	Dark	55.500	94	92Alp Cet	2.5260	3100.0	111	48959	No
138	GOM_TRA_1PNPDK20110711_112502_000000463104_00238_48959_4559.N1	11-JUL-2011 11:25:02	Dark	45.500	165	34Gam Eri	2.9500	3200.0	91	48959	No
139	GOM_TRA_1PNPDK20110711_113351_000000413104_00238_48959_4560.N1	11-JUL-2011 11:33:51	Dark	41.000	157	The1Eri	2.9060	9300.0	82	48959	No
140	GOM_TRA_1PNPDK20110711_114001_000000423104_00239_48960_4561.N1	11-JUL-2011 11:40:01	Dark	42.000	9	Alp Eri	0.45300	24000.	84	48960	No
141	GOM_TRA_1PNPDK20110711_114228_000000543104_00239_48960_4562.N1	11-JUL-2011 11:42:28	Dark	54.000	84	Alp Phe	2.3970	4500.0	108	48960	No
142	GOM_TRA_1PNPDK20110711_114831_000000523104_00239_48960_4563.N1	11-JUL-2011 11:48:31	Straylight	52.000	63	Bet Gru	2.1500	2800.0	104	48960	No
143	GOM_TRA_1PNPDK20110711_115012_000000483104_00239_48960_4564.N1	11-JUL-2011 11:50:12	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	48960	No
144	GOM_TRA_1PNPDK20110711_115322_000000543104_00239_48960_4565.N1	11-JUL-2011 11:53:22	Straylight	54.000	172	Gam Gru	3.0030	13100.	108	48960	No
145	GOM_TRA_1PNPDK20110711_120030_000000423104_00239_48960_4566.N1	11-JUL-2011 12:00:30	Bright	41.500	103	38Zet Sgr	2.6000	9700.0	83	48960	No
146	GOM_TRA_1PNPDK20110711_120302_000000393104_00239_48960_4567.N1	11-JUL-2011 12:03:02	Bright	39.000	155	41Pi Sgr	2.9000	6600.0	78	48960	No
147	GOM_TRA_1PNPDK20110711_121359_000000393104_00239_48960_4616.N1	11-JUL-2011 12:13:59	Bright	39.000	168	17Zet Aql	2.9860	11000.	78	48960	No
148	GOM_TRA_1PNPDK20110711_122101_000000423104_00239_48960_4640.N1	11-JUL-2011 12:21:01	Bright	42.000	5	3Alp Lyr	0.033000	11000.	84	48960	No
149	GOM_TRA_1PNPDK20110711_122414_000000543104_00239_48960_4641.N1	11-JUL-2011 12:24:14	Bright	54.000	69	33Gam Dra	2.2310	3800.0	108	48960	No
150	GOM_TRA_1PNPDK20110711_123143_000000433104_00239_48960_4642.N1	11-JUL-2011 12:31:43	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	48960	No
151	GOM_TRA_1PNPDK20110711_124026_000000483104_00239_48960_4643.N1	11-JUL-2011 12:40:26	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	48960	No
152	GOM_TRA_1PNPDK20110711_124509_000000393104_00239_48960_4644.N1	11-JUL-2011 12:45:09	Bright	39.000	160	23Gam Per	2.9300	4700.0	78	48960	No
153	GOM_TRA_1PNPDK20110711_124709_000000383104_00239_48960_4645.N1	11-JUL-2011 12:47:09	Bright	37.500	175	39Del Per	3.0100	19400.	75	48960	No
154	GOM_TRA_1PNPDK20110711_124918_000000443104_00239_48960_4646.N1	11-JUL-2011 12:49:18	Bright	43.500	79	26Bet Per	2.3100	13100.	87	48960	No
155	GOM_TRA_1PNPDK20110711_125203_000000463104_00239_48960_4647.N1	11-JUL-2011 12:52:03	Bright	46.000	150	44Zet Per	2.8900	28000.	92	48960	No
156	GOM_TRA_1PNPDK20110711_125432_000000443104_00239_48960_4648.N1	11-JUL-2011 12:54:32	Twilight	44.000	146	25Eta Tau	2.8730	15200.	88	48960	No
157	GOM_TRA_1PNPDK20110711_130201_000000563104_00239_48960_4649.N1	11-JUL-2011 13:02:01	Dark	55.500	94	92Alp Cet	2.5260	3100.0	111	48960	No
158	GOM_TRA_1PNPDK20110711_130517_000000453104_00239_48960_4650.N1	11-JUL-2011 13:05:17	Dark	44.500	165	34Gam Eri	2.9500	3200.0	89	48960	No
159	GOM_TRA_1PNPDK20110711_131406_000000413104_00239_48960_4651.N1	11-JUL-2011 13:14:06	Dark	40.500	157	The1Eri	2.9060	9300.0	81	48960	No
160	GOM_TRA_1PNPDK20110711_132015_000000503104_00240_48961_4652.N1	11-JUL-2011 13:20:15	Dark	49.500	9	Alp Eri	0.45300	24000.	99	48961	No
161	GOM_TRA_1PNPDK20110711_132243_000000503104_00240_48961_4653.N1	11-JUL-2011 13:22:43	Dark	49.500	84	Alp Phe	2.3970	4500.0	99	48961	No
162	GOM_TRA_1PNPDK20110711_132845_000000533104_00240_48961_4654.N1	11-JUL-2011 13:28:45	Straylight	52.500	63	Bet Gru	2.1500	2800.0	105	48961	No
163	GOM_TRA_1PNPDK20110711_133027_000000493104_00240_48961_4655.N1	11-JUL-2011 13:30:27	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	48961	No
164	GOM_TRA_1PNPDK20110711_133337_000000533104_00240_48961_4656.N1	11-JUL-2011 13:33:37	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	48961	No
165	GOM_TRA_1PNPDK20110711_134044_000000423104_00240_48961_4657.N1	11-JUL-2011 13:40:44	Bright	42.000	103	38Zet Sgr	2.6000	9700.0	84	48961	No
166	GOM_TRA_1PNPDK20110711_134316_000000413104_00240_48961_4658.N1	11-JUL-2011 13:43:16	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	48961	No
167	GOM_TRA_1PNPDK20110711_135412_000000413104_00240_48961_4805.N1	11-JUL-2011 13:54:12	Bright	40.500	168	17Zet Aql	2.9860	11000.	81	48961	No
168	GOM_TRA_1PNPDK20110711_140115_000000393104_00240_48961_4806.N1	11-JUL-2011 14:01:15	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	48961	No
169	GOM_TRA_1PNPDK20110711_140428_000000373104_00240_48961_4807.N1	11-JUL-2011 14:04:28	Bright	36.500	69	33Gam Dra	2.2310	3800.0	73	48961	No
170	GOM_TRA_1PNPDK20110711_142040_000000513104_00240_48961_4808.N1	11-JUL-2011 14:20:40	Bright	51.000	76	27Gam Cas	2.3000	30000.	102	48961	No
171	GOM_TRA_1PNPDK20110711_142523_000000403104_00240_48961_4809.N1	11-JUL-2011 14:25:23	Bright	40.000	160	23Gam Per	2.9300	4700.0	80	48961	No
172	GOM_TRA_1PNPDK20110711_142723_000000373104_00240_48961_4810.N1	11-JUL-2011 14:27:23	Bright	37.000	175	39Del Per	3.0100	19400.	74	48961	No
173	GOM_TRA_1PNPDK20110711_142932_000000403104_00240_48961_4811.N1	11-JUL-2011 14:29:32	Bright	40.000	79	26Bet Per	2.3100	13100.	80	48961	No
174	GOM_TRA_1PNPDK20110711_143217_000000453104_00240_48961_4812.N1	11-JUL-2011 14:32:17	Bright	44.500	150	44Zet Per	2.8900	28000.	89	48961	No
175	GOM_TRA_1PNPDK20110711_143446_000000443104_00240_48961_4813.N1	11-JUL-2011 14:34:46	Twilight	43.500	146	25Eta Tau	2.8730	15200.	87	48961	No
176	GOM_TRA_1PNPDK20110711_144215_000000573104_00240_48961_4814.N1	11-JUL-2011 14:42:15	Dark	56.500	94	92Alp Cet	2.5260	3100.0	113	48961	No
177	GOM_TRA_1PNPDK20110711_144531_000000463104_00240_48961_4815.N1	11-JUL-2011 14:45:31	Dark	45.500	165	34Gam Eri	2.9500	3200.0	91	48961	No
178	GOM_TRA_1PNPDK20110711_145420_000000423104_00240_48961_4816.N1	11-JUL-2011 14:54:20	Dark	41.500	157	The1Eri	2.9060	9300.0	83	48961	No
179	GOM_TRA_1PNPDK20110711_150030_000000423104_00241_48962_4817.N1	11-JUL-2011 15:00:30	Dark	41.500	9	Alp Eri	0.45300	24000.	83	48962	No
180	GOM_TRA_1PNPDK20110711_150259_000000533104_00241_48962_4818.N1	11-JUL-2011 15:02:59	Dark	53.000	84	Alp Phe	2.3970	4500.0	106	48962	No
181	GOM_TRA_1PNPDK20110711_150900_000000513104_00241_48962_4819.N1	11-JUL-2011 15:09:00	Straylight	50.500	63	Bet Gru	2.1500	2800.0	101	48962	No
182	GOM_TRA_1PNPDK20110711_151042_000000493104_00241_48962_4820.N1	11-JUL-2011 15:10:42	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	48962	No
183	GOM_TRA_1PNPDK20110711_151351_000000553104_00241_48962_4821.N1	11-JUL-2011 15:13:51	Straylight	54.500	172	Gam Gru	3.0030	13100.	109	48962	No
184	GOM_TRA_1PNPDK20110711_152058_000000473104_00241_48962_4868.N1	11-JUL-2011 15:20:58	Bright	46.500	103	38Zet Sgr	2.6000	9700.0	93	48962	Yes
185	GOM_TRA_1PNPDK20110711_152330_000000403104_00241_48962_4869.N1	11-JUL-2011 15:23:30	Bright	39.500	155	41Pi Sgr	2.9000	6600.0	79	48962	No
186	GOM_TRA_1PNPDK20110711_153426_000000413104_00241_48962_4870.N1	11-JUL-2011 15:34:26	Bright	41.000	168	17Zet Aql	2.9860	11000.	82	48962	No
187	GOM_TRA_1PNPDK20110711_154128_000000443104_00241_48962_4871.N1	11-JUL-2011 15:41:28	Bright	43.500	5	3Alp Lyr	0.033000	11000.	87	48962	No

188	GOM_TRA_1PNPDK20110711_154441_000000403104_00241_48962_4872.N1	11-JUL-2011 15:44:41	Bright	39.500	69	33Gam Dra	2.2310	3800.0	79	48962	No
189	GOM_TRA_1PNPDK20110711_155210_000000413104_00241_48962_4873.N1	11-JUL-2011 15:52:10	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	48962	No
190	GOM_TRA_1PNPDK20110711_160053_000000683104_00241_48962_4874.N1	11-JUL-2011 16:00:53	Bright	68.000	76	27Gam Cas	2.3000	30000.	136	48962	No
191	GOM_TRA_1PNPDK20110711_160537_000000603104_00241_48962_4875.N1	11-JUL-2011 16:05:37	Bright	60.000	160	23Gam Per	2.9300	4700.0	120	48962	No
192	GOM_TRA_1PNPDK20110711_160737_000000353104_00241_48962_4876.N1	11-JUL-2011 16:07:37	Bright	34.500	175	39Del Per	3.0100	19400.	69	48962	No
193	GOM_TRA_1PNPDK20110711_160946_000000453104_00241_48962_4877.N1	11-JUL-2011 16:09:46	Bright	45.000	79	26Bet Per	2.3100	13100.	90	48962	No
194	GOM_TRA_1PNPDK20110711_161231_000000423104_00241_48962_4878.N1	11-JUL-2011 16:12:31	Bright	42.000	150	44Zet Per	2.8900	28000.	84	48962	No
195	GOM_TRA_1PNPDK20110711_161500_000000433104_00241_48962_4879.N1	11-JUL-2011 16:15:00	Twilight	43.000	146	25Eta Tau	2.8730	15200.	86	48962	No
196	GOM_TRA_1PNPDK20110711_162230_000000563104_00241_48962_4880.N1	11-JUL-2011 16:22:30	Dark	56.000	94	92Alp Cet	2.5260	3100.0	112	48962	No
197	GOM_TRA_1PNPDK20110711_162546_000000443104_00241_48962_4881.N1	11-JUL-2011 16:25:46	Dark	44.000	165	34Gam Eri	2.9500	3200.0	88	48962	No
198	GOM_TRA_1PNPDK20110711_163435_000000393104_00241_48962_4882.N1	11-JUL-2011 16:34:35	Dark	39.000	157	The1Eri	2.9060	9300.0	78	48962	No
199	GOM_TRA_1PNPDK20110711_164045_000000443104_00242_48963_4883.N1	11-JUL-2011 16:40:45	Dark	43.500	9	Alp Eri	0.45300	24000.	87	48963	No
200	GOM_TRA_1PNPDK20110711_164314_000000533104_00242_48963_4884.N1	11-JUL-2011 16:43:14	Dark	53.000	84	Alp Phe	2.3970	4500.0	106	48963	No
201	GOM_TRA_1PNPDK20110711_164915_000000503104_00242_48963_4885.N1	11-JUL-2011 16:49:15	Straylight	50.000	63	Bet Gru	2.1500	2800.0	100	48963	No
202	GOM_TRA_1PNPDK20110711_165056_000000483104_00242_48963_4886.N1	11-JUL-2011 16:50:56	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	48963	No
203	GOM_TRA_1PNPDK20110711_165406_000000523104_00242_48963_4887.N1	11-JUL-2011 16:54:06	Straylight	52.000	172	Gam Gru	3.0030	13100.	104	48963	No
204	GOM_TRA_1PNPDK20110711_170113_000000513104_00242_48963_4894.N1	11-JUL-2011 17:01:13	Bright	51.000	103	38Zet Sgr	2.6000	9700.0	102	48963	No
205	GOM_TRA_1PNPDK20110711_170344_000000403104_00242_48963_4895.N1	11-JUL-2011 17:03:44	Bright	40.000	155	41Pi Sgr	2.9000	6600.0	80	48963	No
206	GOM_TRA_1PNPDK20110711_171440_000000433104_00242_48963_4896.N1	11-JUL-2011 17:14:40	Bright	42.500	168	17Zet Aql	2.9860	11000.	85	48963	No
207	GOM_TRA_1PNPDK20110711_172142_000000423104_00242_48963_4897.N1	11-JUL-2011 17:21:42	Bright	41.500	5	3Alp Lyr	0.033000	11000.	83	48963	No
208	GOM_TRA_1PNPDK20110711_172455_000000363104_00242_48963_4898.N1	11-JUL-2011 17:24:55	Bright	35.500	69	33Gam Dra	2.2310	3800.0	71	48963	No
209	GOM_TRA_1PNPDK20110711_173223_000000413104_00242_48963_4899.N1	11-JUL-2011 17:32:23	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	48963	No
210	GOM_TRA_1PNPDK20110711_174107_000000493104_00242_48963_4900.N1	11-JUL-2011 17:41:07	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	48963	No
211	GOM_TRA_1PNPDK20110711_174550_000000603104_00242_48963_4901.N1	11-JUL-2011 17:45:50	Bright	60.000	160	23Gam Per	2.9300	4700.0	120	48963	No
212	GOM_TRA_1PNPDK20110711_174751_000000363104_00242_48963_4902.N1	11-JUL-2011 17:47:51	Bright	35.500	175	39Del Per	3.0100	19400.	71	48963	No
213	GOM_TRA_1PNPDK20110711_175000_000000433104_00242_48963_4903.N1	11-JUL-2011 17:50:00	Bright	42.500	79	26Bet Per	2.3100	13100.	85	48963	No
214	GOM_TRA_1PNPDK20110711_175245_000000423104_00242_48963_4904.N1	11-JUL-2011 17:52:45	Bright	41.500	150	44Zet Per	2.8900	28000.	83	48963	No
215	GOM_TRA_1PNPDK20110711_175514_000000443104_00242_48963_4905.N1	11-JUL-2011 17:55:14	Twilight	43.500	146	25Eta Tau	2.8730	15200.	87	48963	No
216	GOM_TRA_1PNPDK20110711_180245_000000563104_00242_48963_4906.N1	11-JUL-2011 18:02:45	Dark	56.000	94	92Alp Cet	2.5260	3100.0	112	48963	No
217	GOM_TRA_1PNPDK20110711_180600_000000453104_00242_48963_4907.N1	11-JUL-2011 18:06:00	Dark	44.500	165	34Gam Eri	2.9500	3200.0	89	48963	No
218	GOM_TRA_1PNPDK20110711_181450_000000393104_00242_48963_4908.N1	11-JUL-2011 18:14:50	Dark	39.000	157	The1Eri	2.9060	9300.0	78	48963	No
219	GOM_TRA_1PNPDK20110711_182059_000000543104_00243_48964_4909.N1	11-JUL-2011 18:20:59	Dark	53.500	9	Alp Eri	0.45300	24000.	107	48964	No
220	GOM_TRA_1PNPDK20110711_182329_000000553104_00243_48964_4910.N1	11-JUL-2011 18:23:29	Dark	55.000	84	Alp Phe	2.3970	4500.0	110	48964	No
221	GOM_TRA_1PNPDK20110711_182930_000000553104_00243_48964_4911.N1	11-JUL-2011 18:29:30	Straylight	55.000	63	Bet Gru	2.1500	2800.0	110	48964	No
222	GOM_TRA_1PNPDK20110711_183111_000000473104_00243_48964_4912.N1	11-JUL-2011 18:31:11	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	48964	No
223	GOM_TRA_1PNPDK20110711_183421_000000533104_00243_48964_4913.N1	11-JUL-2011 18:34:21	Straylight	52.500	172	Gam Gru	3.0030	13100.	105	48964	No
224	GOM_TRA_1PNPDK20110711_184127_000000443104_00243_48964_4927.N1	11-JUL-2011 18:41:27	Bright	43.500	103	38Zet Sgr	2.6000	9700.0	87	48964	No
225	GOM_TRA_1PNPDK20110711_184359_000000413104_00243_48964_4928.N1	11-JUL-2011 18:43:59	Bright	41.000	155	41Pi Sgr	2.9000	6600.0	82	48964	No
226	GOM_TRA_1PNPDK20110711_185454_000000403104_00243_48964_4929.N1	11-JUL-2011 18:54:54	Bright	40.000	168	17Zet Aql	2.9860	11000.	80	48964	No
227	GOM_TRA_1PNPDK20110711_190156_000000413104_00243_48964_4930.N1	11-JUL-2011 19:01:56	Bright	41.000	5	3Alp Lyr	0.033000	11000.	82	48964	No
228	GOM_TRA_1PNPDK20110711_190509_000000393104_00243_48964_4931.N1	11-JUL-2011 19:05:09	Bright	39.000	69	33Gam Dra	2.2310	3800.0	78	48964	No
229	GOM_TRA_1PNPDK20110711_191237_000000453104_00243_48964_4932.N1	11-JUL-2011 19:12:37	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	48964	No
230	GOM_TRA_1PNPDK20110711_192120_000000493104_00243_48964_4933.N1	11-JUL-2011 19:21:20	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	48964	No
231	GOM_TRA_1PNPDK20110711_192604_000000603104_00243_48964_4934.N1	11-JUL-2011 19:26:04	Bright	60.000	160	23Gam Per	2.9300	4700.0	120	48964	No
232	GOM_TRA_1PNPDK20110711_192722_000000593104_00243_48964_4935.N1	11-JUL-2011 19:27:22	Bright	59.000	35	33Alp Per	1.7950	6250.0	118	48964	No
233	GOM_TRA_1PNPDK20110711_193014_000000413104_00243_48964_4936.N1	11-JUL-2011 19:30:14	Bright	40.500	79	26Bet Per	2.3100	13100.	81	48964	No
234	GOM_TRA_1PNPDK20110711_193300_000000433104_00243_48964_4937.N1	11-JUL-2011 19:33:00	Bright	42.500	150	44Zet Per	2.8900	28000.	85	48964	No
235	GOM_TRA_1PNPDK20110711_193529_000000443104_00243_48964_4938.N1	11-JUL-2011 19:35:29	Twilight	44.000	146	25Eta Tau	2.8730	15200.	88	48964	No
236	GOM_TRA_1PNPDK20110711_194259_000000563104_00243_48964_4939.N1	11-JUL-2011 19:42:59	Dark	56.000	94	92Alp Cet	2.5260	3100.0	112	48964	No
237	GOM_TRA_1PNPDK20110711_194615_000000453104_00243_48964_4940.N1	11-JUL-2011 19:46:15	Dark	44.500	165	34Gam Eri	2.9500	3200.0	89	48964	No
238	GOM_TRA_1PNPDK20110711_195504_000000433104_00243_48964_4941.N1	11-JUL-2011 19:55:04	Dark	43.000	157	The1Eri	2.9060	9300.0	86	48964	No
239	GOM_TRA_1PNPDK20110711_200114_000000543104_00244_48965_4942.N1	11-JUL-2011 20:01:14	Dark	53.500	9	Alp Eri	0.45300	24000.	107	48965	No
240	GOM_TRA_1PNPDK20110711_200344_000000543104_00244_48965_4943.N1	11-JUL-2011 20:03:44	Dark	53.500	84	Alp Phe	2.3970	4500.0	107	48965	No
241	GOM_TRA_1PNPDK20110711_200945_000000543104_00244_48965_4944.N1	11-JUL-2011 20:09:45	Straylight	54.000	63	Bet Gru	2.1500	2800.0	108	48965	No
242	GOM_TRA_1PNPDK20110711_201126_000000483104_00244_48965_4945.N1	11-JUL-2011 20:11:26	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	48965	No
243	GOM_TRA_1PNPDE20110711_201436_000000543104_00244_48965_2441.N1	11-JUL-2011 20:14:36	Straylight	53.500	172	Gam Gru	3.0030	13100.	107	48965	Yes
244	GOM_TRA_1PNPDE20110711_202141_000000413104_00244_48965_2442.N1	11-JUL-2011 20:21:41	Bright	40.500	103	38Zet Sgr	2.6000	9700.0	81	48965	No
245	GOM_TRA_1PNPDE20110711_202413_000000403104_00244_48965_2443.N1	11-JUL-2011 20:24:13	Bright	40.000	155	41Pi Sgr	2.9000	6600.0	80	48965	No
246	GOM_TRA_1PNPDE20110711_203507_000000423104_00244_48965_2444.N1	11-JUL-2011 20:35:07	Bright	42.000	168	17Zet Aql	2.9860	11000.	84	48965	No

247	GOM_TRA_1PNPDE20110711_204210_000000393104_00244_48965_2445.N1	11-JUL-2011 20:42:10	Bright	38.500	5	3Alp Lyr	0.033000	11000.	77	48965	No
248	GOM_TRA_1PNPDE20110711_204523_000000423104_00244_48965_2446.N1	11-JUL-2011 20:45:23	Bright	41.500	69	33Gam Dra	2.2310	3800.0	83	48965	No
249	GOM_TRA_1PNPDE20110711_205250_000000443104_00244_48965_2447.N1	11-JUL-2011 20:52:50	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	48965	No
250	GOM_TRA_1PNPDE20110711_210134_000000473104_00244_48965_2448.N1	11-JUL-2011 21:01:34	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	48965	No
251	GOM_TRA_1PNPDE20110711_210618_000000603104_00244_48965_2449.N1	11-JUL-2011 21:06:18	Bright	60.000	160	23Gam Per	2.9300	4700.0	120	48965	No
252	GOM_TRA_1PNPDE20110711_210736_000000403104_00244_48965_2450.N1	11-JUL-2011 21:07:36	Bright	40.000	35	33Alp Per	1.7950	6250.0	80	48965	No
253	GOM_TRA_1PNPDE20110711_211028_000000463104_00244_48965_2451.N1	11-JUL-2011 21:10:28	Bright	45.500	79	26Bet Per	2.3100	13100.	91	48965	No
254	GOM_TRA_1PNPDE20110711_211314_000000453104_00244_48965_2452.N1	11-JUL-2011 21:13:14	Bright	45.000	150	44Zet Per	2.8900	28000.	90	48965	No
255	GOM_TRA_1PNPDE20110711_211543_000000433104_00244_48965_2453.N1	11-JUL-2011 21:15:43	Twilight	43.000	146	25Eta Tau	2.8730	15200.	86	48965	No
256	GOM_TRA_1PNPDE20110711_212314_000000563104_00244_48965_2454.N1	11-JUL-2011 21:23:14	Dark	56.000	94	92Alp Cet	2.5260	3100.0	112	48965	No
257	GOM_TRA_1PNPDE20110711_212629_000000453104_00244_48965_2455.N1	11-JUL-2011 21:26:29	Dark	44.500	165	34Gam Eri	2.9500	3200.0	89	48965	No
258	GOM_TRA_1PNPDE20110711_213519_000000423104_00244_48965_2456.N1	11-JUL-2011 21:35:19	Dark	41.500	157	The1Eri	2.9060	9300.0	83	48965	No
259	GOM_TRA_1PNPDE20110711_214128_000000513104_00245_48966_2457.N1	11-JUL-2011 21:41:28	Dark	50.500	9	Alp Eri	0.45300	24000.	101	48966	No
260	GOM_TRA_1PNPDE20110711_214359_000000563104_00245_48966_2458.N1	11-JUL-2011 21:43:59	Dark	56.000	84	Alp Phe	2.3970	4500.0	112	48966	No
261	GOM_TRA_1PNPDE20110711_215000_000000623104_00245_48966_2459.N1	11-JUL-2011 21:50:00	Straylight	62.000	63	Bet Gru	2.1500	2800.0	124	48966	No
262	GOM_TRA_1PNPDE20110711_215141_000000493104_00245_48966_2460.N1	11-JUL-2011 21:51:41	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	48966	No
263	GOM_TRA_1PNPDE20110711_215451_000000543104_00245_48966_2461.N1	11-JUL-2011 21:54:51	Straylight	53.500	172	Gam Gru	3.0030	13100.	107	48966	No
264	GOM_TRA_1PNPDE20110711_220155_000000433104_00245_48966_2462.N1	11-JUL-2011 22:01:55	Bright	43.000	103	38Zet Sgr	2.6000	9700.0	86	48966	No
265	GOM_TRA_1PNPDE20110711_220427_000000413104_00245_48966_2463.N1	11-JUL-2011 22:04:27	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	48966	No
266	GOM_TRA_1PNPDE20110711_221521_000000423104_00245_48966_2464.N1	11-JUL-2011 22:15:21	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	48966	No
267	GOM_TRA_1PNPDE20110711_222223_000000403104_00245_48966_2465.N1	11-JUL-2011 22:22:23	Bright	39.500	5	3Alp Lyr	0.033000	11000.	79	48966	No
268	GOM_TRA_1PNPDE20110711_222537_000000353104_00245_48966_2466.N1	11-JUL-2011 22:25:37	Bright	34.500	69	33Gam Dra	2.2310	3800.0	69	48966	No
269	GOM_TRA_1PNPDE20110711_223304_000000433104_00245_48966_2467.N1	11-JUL-2011 22:33:04	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	48966	No
270	GOM_TRA_1PNPDE20110711_224147_000000473104_00245_48966_2468.N1	11-JUL-2011 22:41:47	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	48966	No
271	GOM_TRA_1PNPDE20110711_224632_000000603104_00245_48966_2469.N1	11-JUL-2011 22:46:32	Bright	60.000	160	23Gam Per	2.9300	4700.0	120	48966	No
272	GOM_TRA_1PNPDE20110711_224750_000000503104_00245_48966_2470.N1	11-JUL-2011 22:47:50	Bright	50.000	35	33Alp Per	1.7950	6250.0	100	48966	No
273	GOM_TRA_1PNPDE20110711_225042_000000523104_00245_48966_2471.N1	11-JUL-2011 22:50:42	Bright	51.500	79	26Bet Per	2.3100	13100.	103	48966	No
274	GOM_TRA_1PNPDE20110711_225328_000000433104_00245_48966_2472.N1	11-JUL-2011 22:53:28	Bright	43.000	150	44Zet Per	2.8900	28000.	86	48966	No
275	GOM_TRA_1PNPDE20110711_225557_000000453104_00245_48966_2473.N1	11-JUL-2011 22:55:57	Twilight	45.000	146	25Eta Tau	2.8730	15200.	90	48966	No
276	GOM_TRA_1PNPDE20110711_230329_000000553104_00245_48966_2474.N1	11-JUL-2011 23:03:29	Dark	55.000	94	92Alp Cet	2.5260	3100.0	110	48966	No
277	GOM_TRA_1PNPDE20110711_230643_000000443104_00245_48966_2475.N1	11-JUL-2011 23:06:43	Dark	43.500	165	34Gam Eri	2.9500	3200.0	87	48966	No
278	GOM_TRA_1PNPDE20110711_231533_000000403104_00245_48966_2487.N1	11-JUL-2011 23:15:33	Dark	39.500	157	The1Eri	2.9060	9300.0	79	48966	No
279	GOM_TRA_1PNPDE20110711_232143_000000523104_00246_48967_2488.N1	11-JUL-2011 23:21:43	Dark	52.000	9	Alp Eri	0.45300	24000.	104	48967	No
280	GOM_TRA_1PNPDE20110711_232414_000000523104_00246_48967_2489.N1	11-JUL-2011 23:24:14	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	48967	No
281	GOM_TRA_1PNPDE20110711_233015_000000623104_00246_48967_2490.N1	11-JUL-2011 23:30:15	Straylight	62.000	63	Bet Gru	2.1500	2800.0	124	48967	No
282	GOM_TRA_1PNPDE20110711_233155_000000543104_00246_48967_2491.N1	11-JUL-2011 23:31:55	Straylight	54.000	31	Alp Gru	1.7340	15200.	108	48967	No
283	GOM_TRA_1PNPDE20110711_233505_000000543104_00246_48967_2492.N1	11-JUL-2011 23:35:05	Straylight	53.500	172	Gam Gru	3.0030	13100.	107	48967	No
284	GOM_TRA_1PNPDE20110711_234209_000000423104_00246_48967_2493.N1	11-JUL-2011 23:42:09	Bright	41.500	103	38Zet Sgr	2.6000	9700.0	83	48967	No
285	GOM_TRA_1PNPDE20110711_234441_000000413104_00246_48967_2494.N1	11-JUL-2011 23:44:41	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	48967	No
286	GOM_TRA_1PNPDE20110711_235535_000000423104_00246_48967_2495.N1	11-JUL-2011 23:55:35	Bright	42.000	168	17Zet Aql	2.9860	11000.	84	48967	No

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



4. Overview of dark signal processing per product

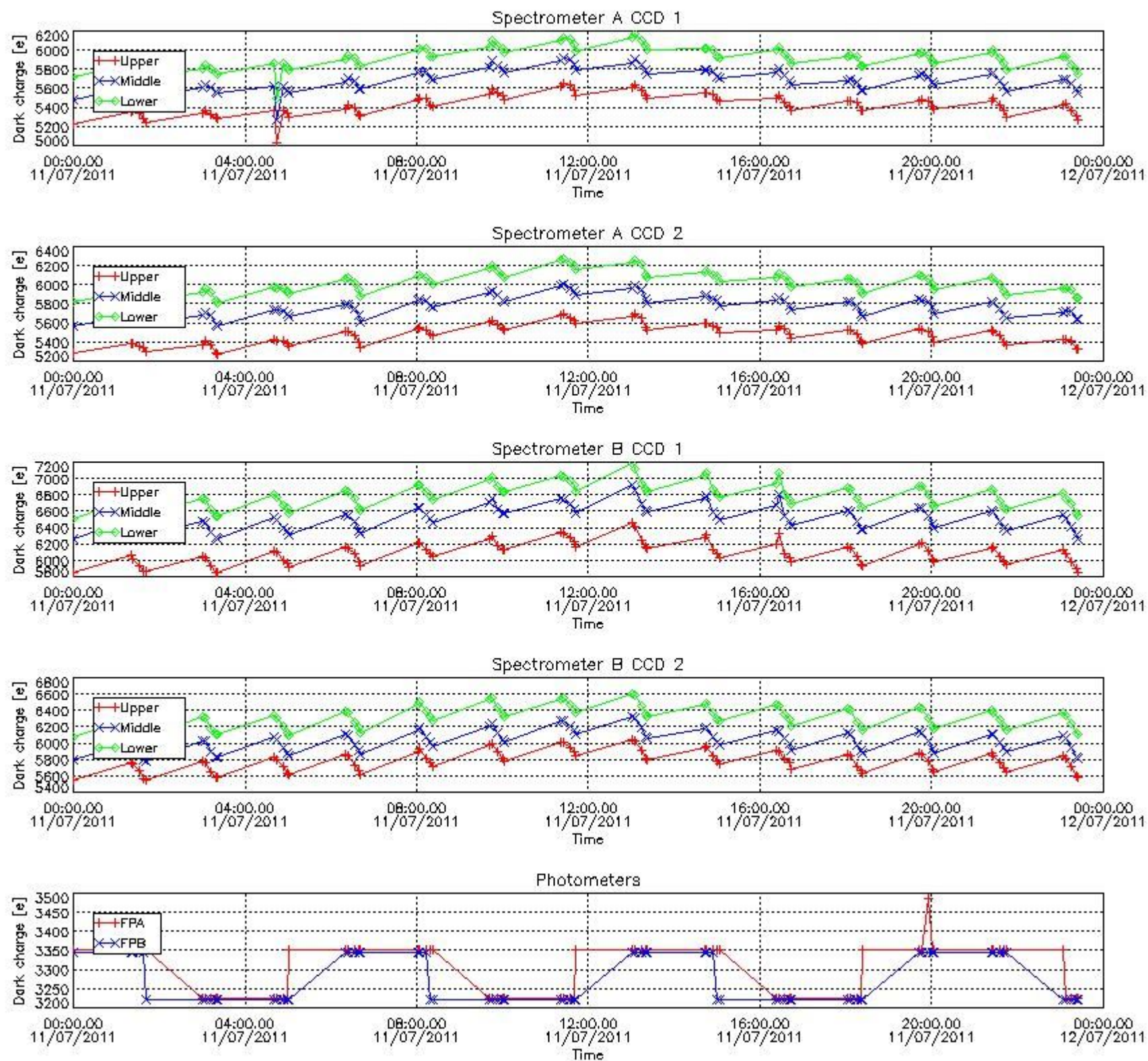
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDK20110711_121359_000000393104_00239_48960_4616.N1	DC map used
GOM_TRA_1PNPDE20110711_201436_000000543104_00244_48965_2441.N1	DC map with no T dep.
GOM_TRA_1PNPDE20110711_202141_000000413104_00244_48965_2442.N1	DC map used
GOM_TRA_1PNPDE20110711_202413_000000403104_00244_48965_2443.N1	DC map used
GOM_TRA_1PNPDE20110711_203507_000000423104_00244_48965_2444.N1	DC map used
GOM_TRA_1PNPDE20110711_204210_000000393104_00244_48965_2445.N1	DC map used
GOM_TRA_1PNPDE20110711_204523_000000423104_00244_48965_2446.N1	DC map used
GOM_TRA_1PNPDE20110711_205250_000000443104_00244_48965_2447.N1	DC map used
GOM_TRA_1PNPDE20110711_210134_000000473104_00244_48965_2448.N1	DC map used
GOM_TRA_1PNPDE20110711_210618_000000603104_00244_48965_2449.N1	DC map used
GOM_TRA_1PNPDE20110711_210736_000000403104_00244_48965_2450.N1	DC map used
GOM_TRA_1PNPDE20110711_211028_000000463104_00244_48965_2451.N1	DC map used
GOM_TRA_1PNPDE20110711_211314_000000453104_00244_48965_2452.N1	DC map used
GOM_TRA_1PNPDE20110711_211543_000000433104_00244_48965_2453.N1	DC map used

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



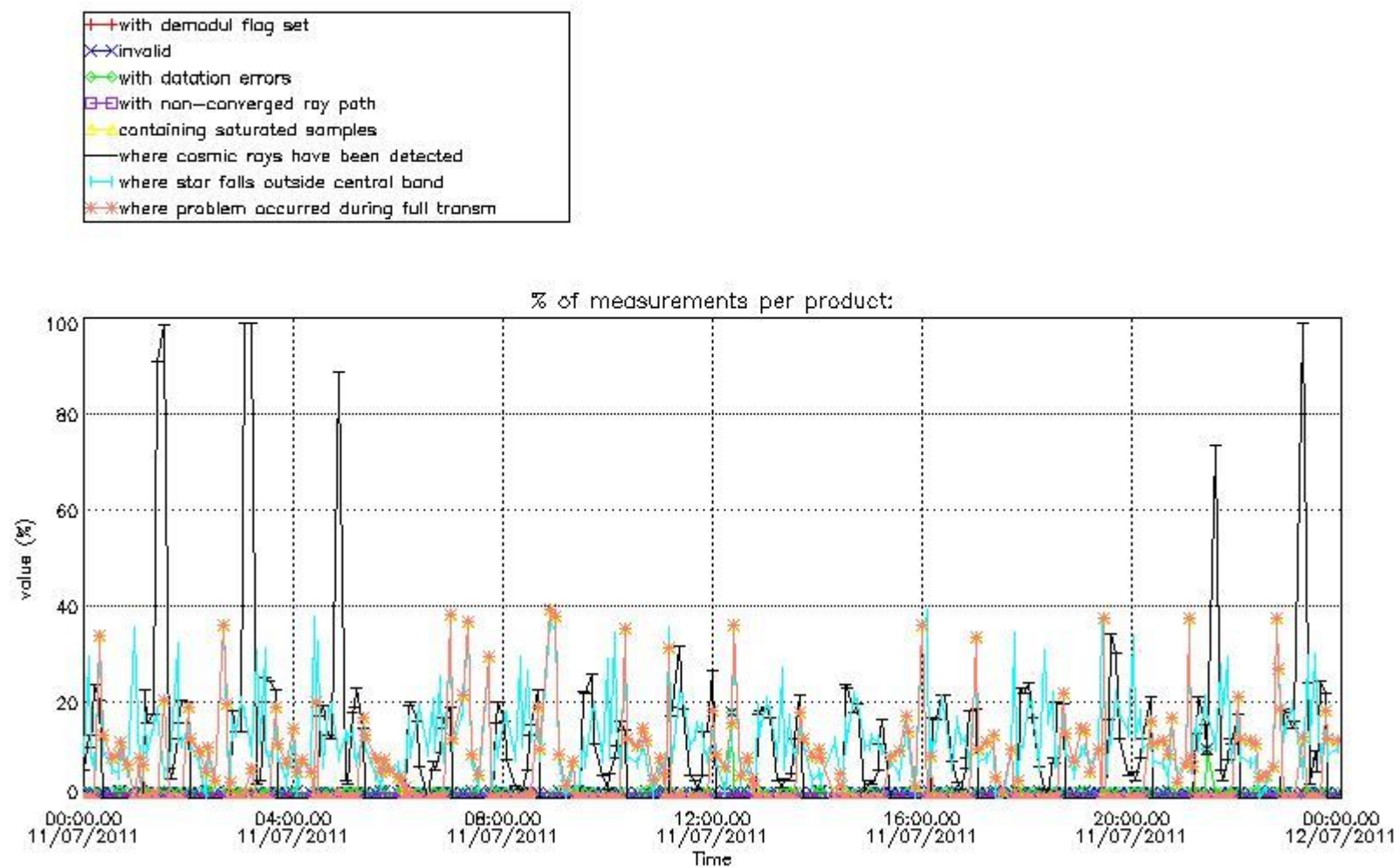
5. Demodulation flag and quality information monitoring

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.

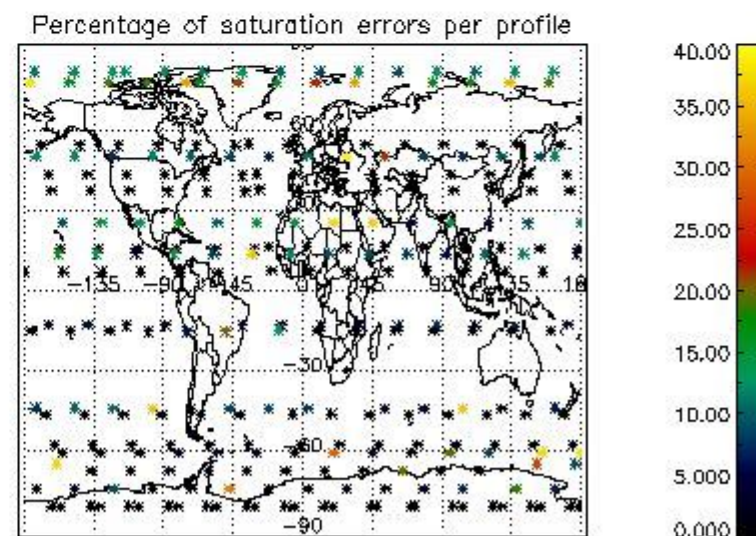
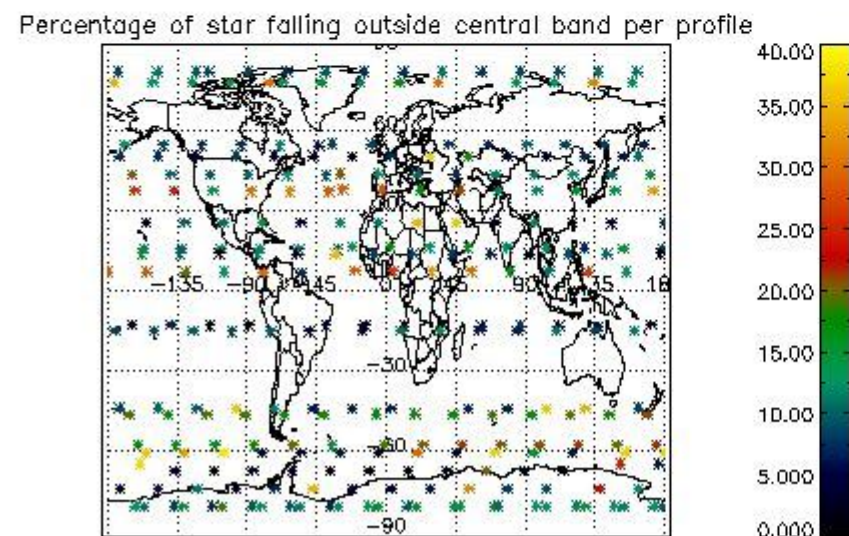
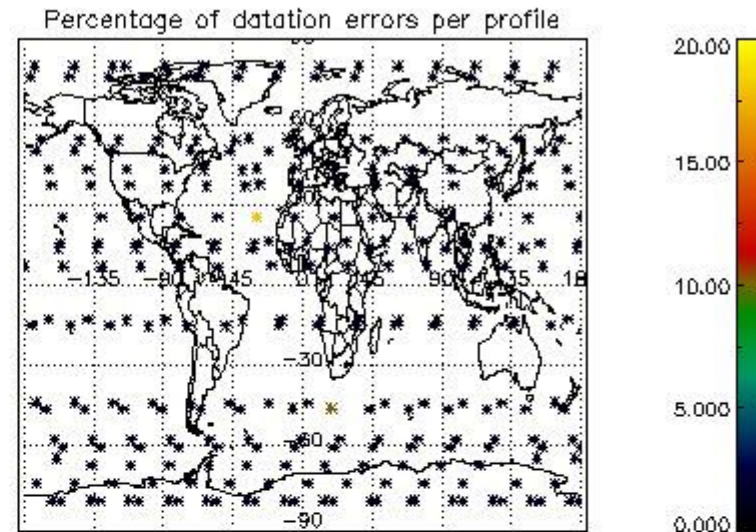
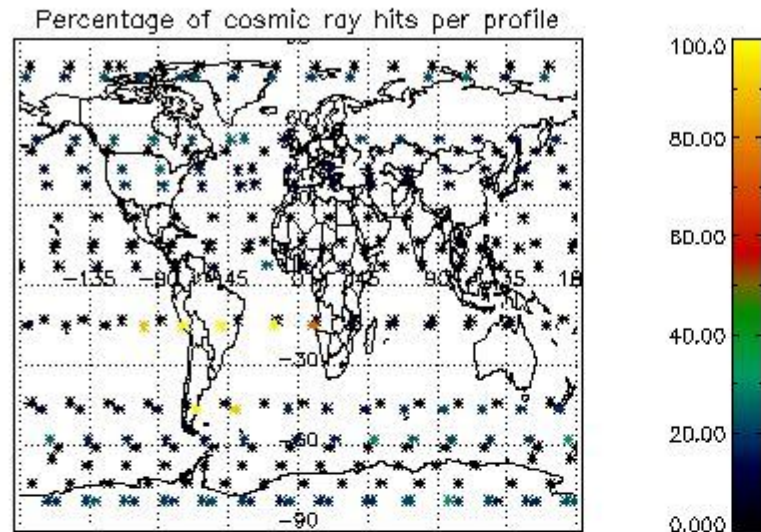
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	43.8163 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	54.4170 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



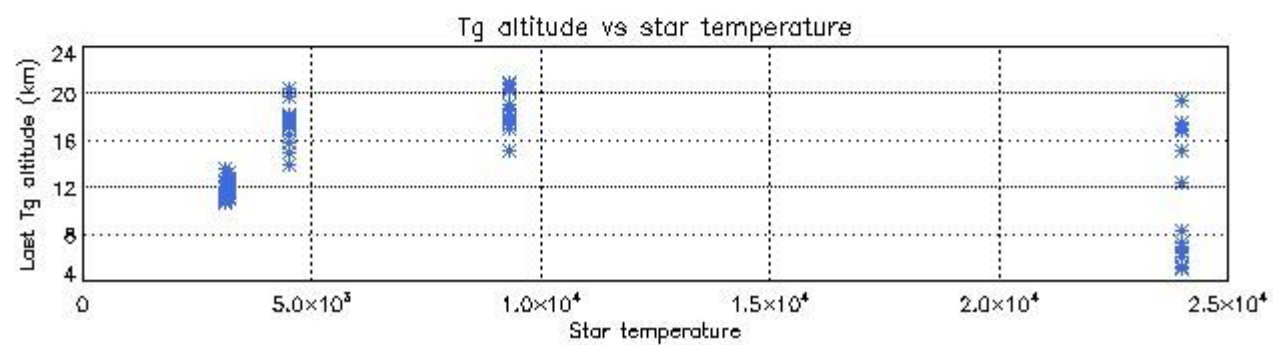
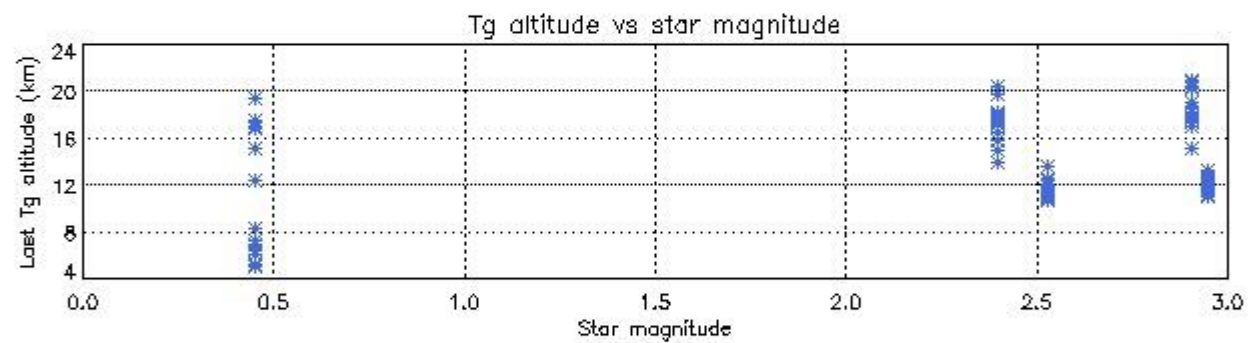
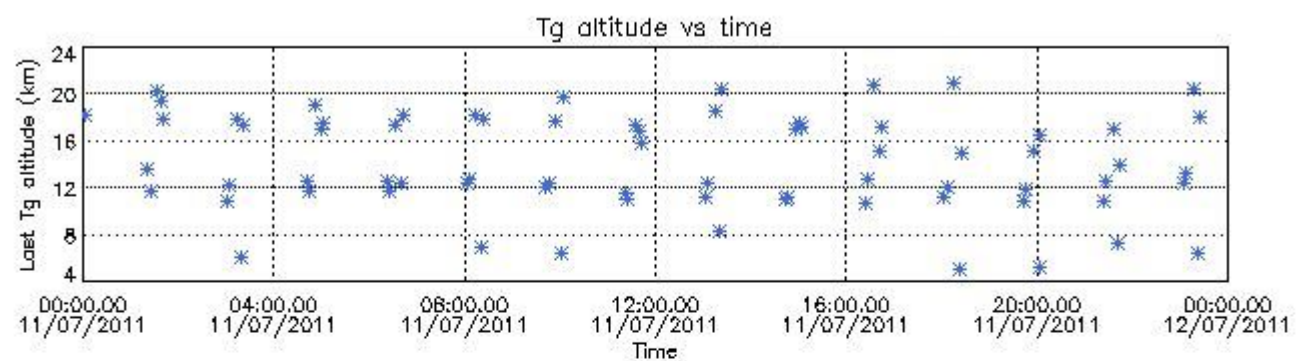
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.104	17.950	16.133
St. deviation:	4.1094	6.7865	1.2486
Maximum:	20.844	31.754	18.069
Minimum:	5.0070	3.2442	14.233
Number of data:	71.000	154.00	14.000

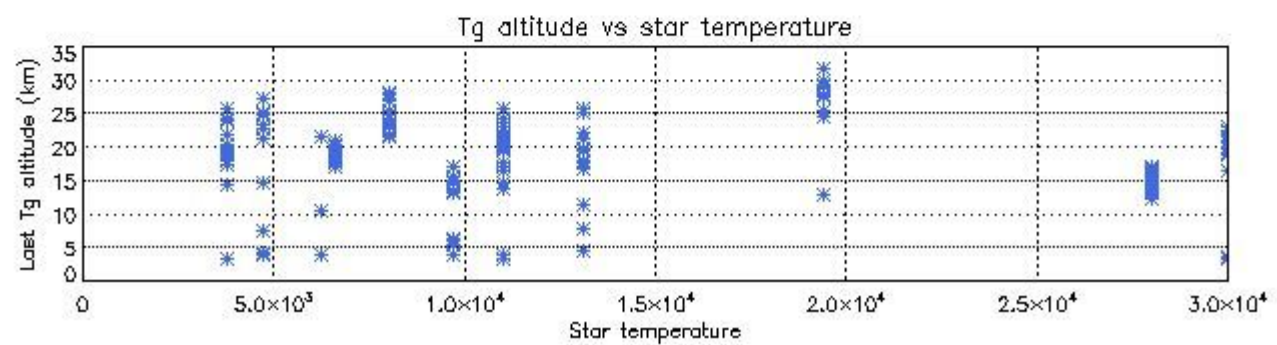
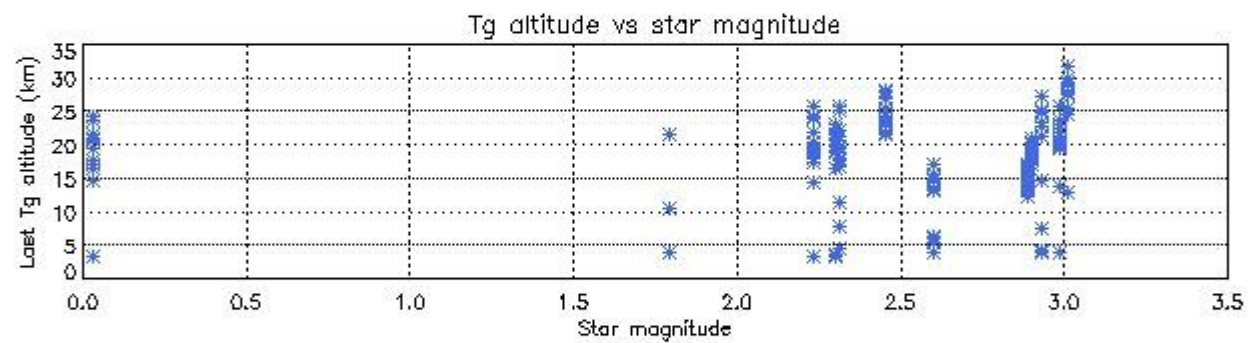
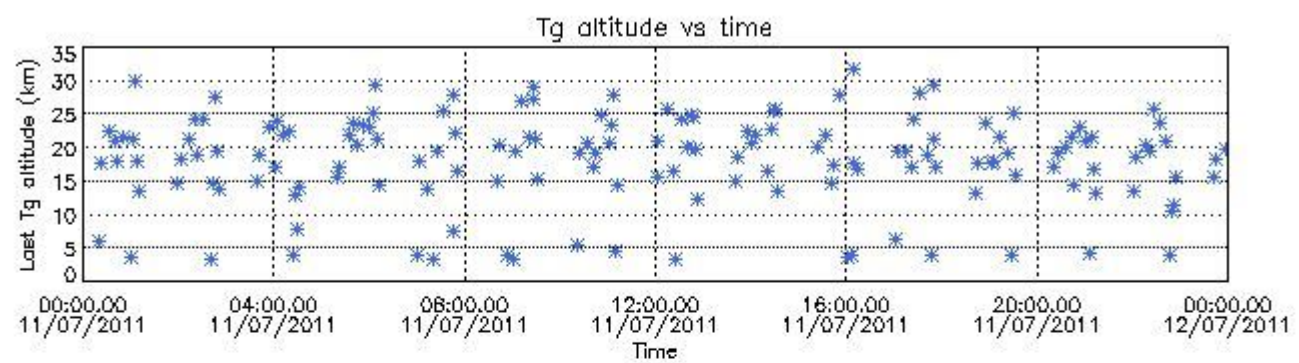
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



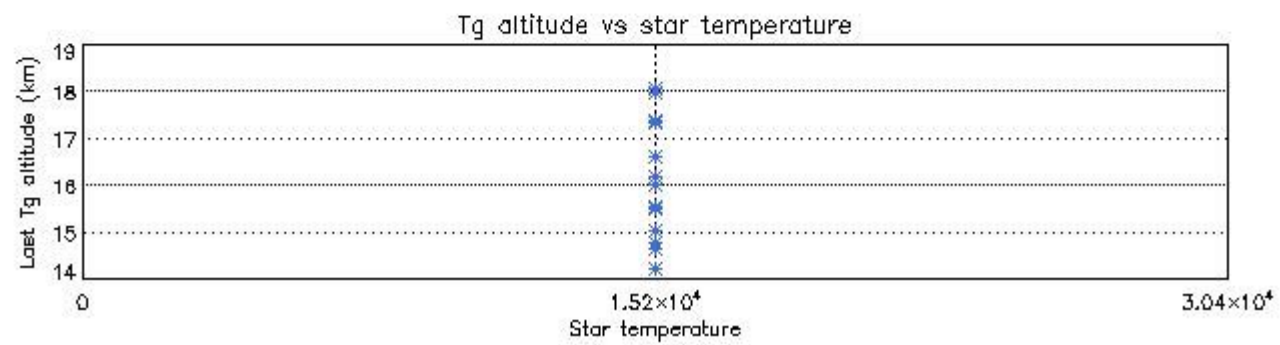
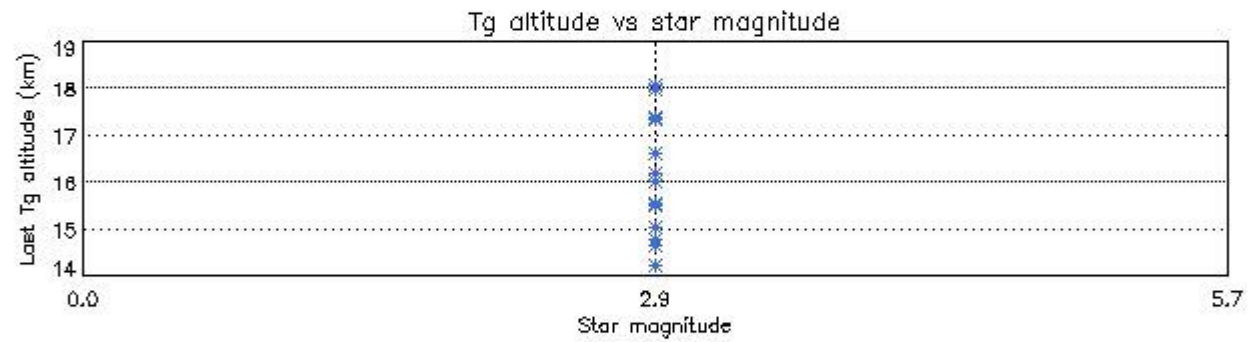
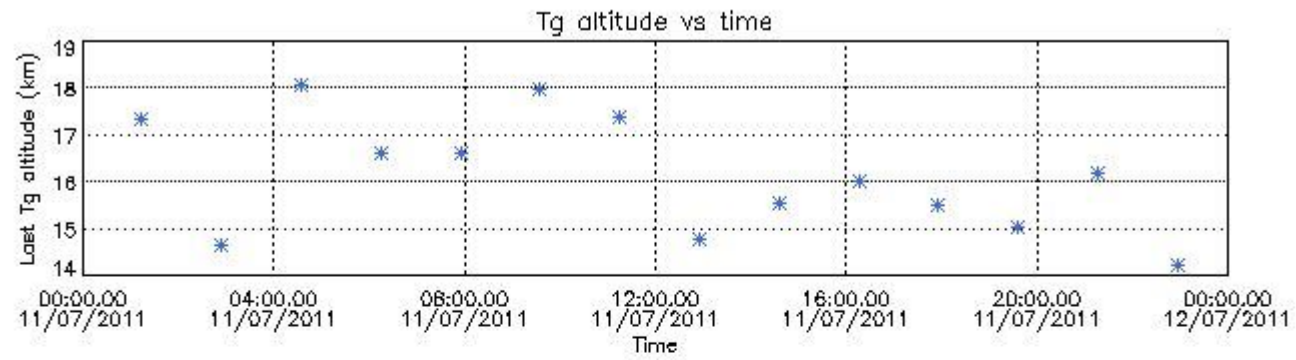
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

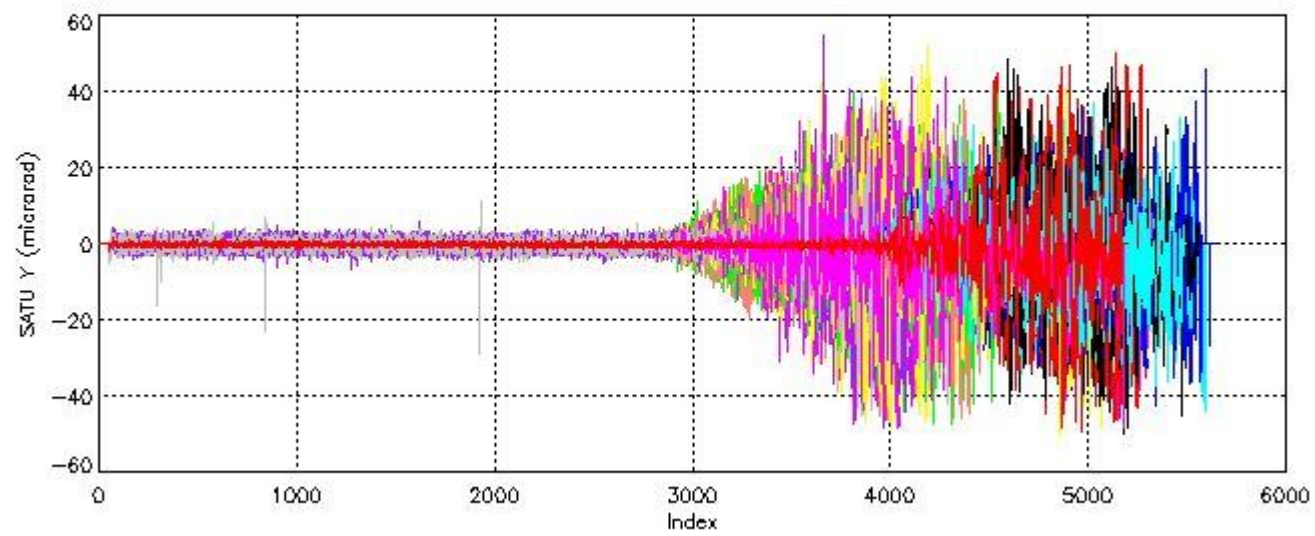
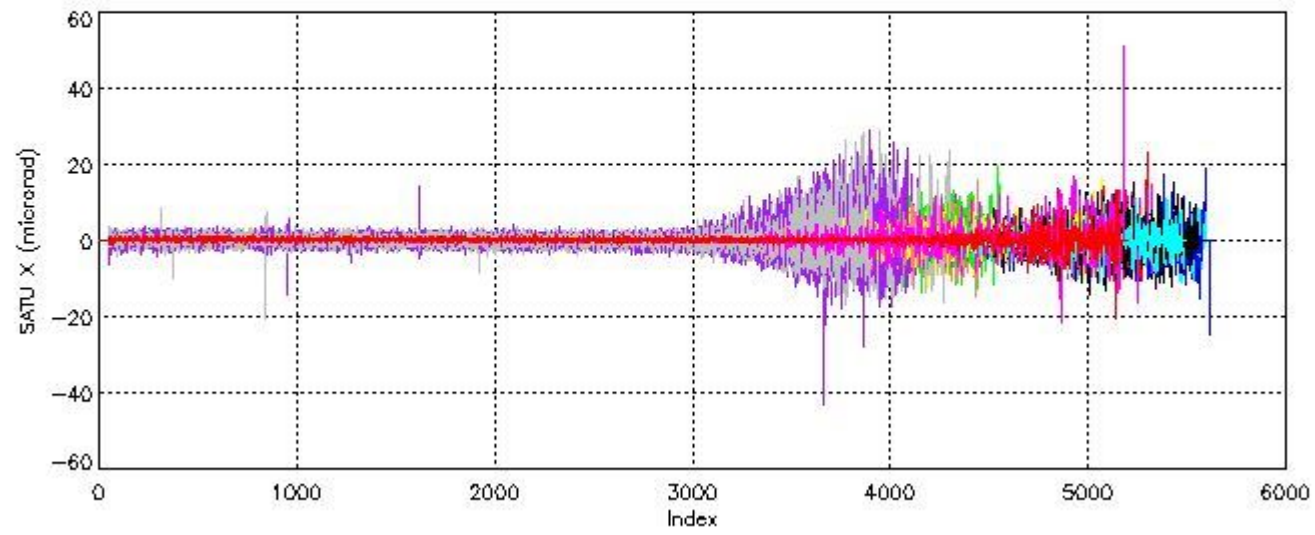


7. Star Acquisition and Tracking Unit (SATU)

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:	0.16674	-0.23127	0.19729	-0.25276
St. deviation:	0.43948	0.54451	0.86610	1.0308
Maximum:	8.6000	6.9000	6.4000	12.100
Minimum:	-20.600	-22.900	-6.6000	-7.4000

Number of data:	72500.	72500.	1.4690E+05	1.4690E+05
90Percentile:	0.70000	0.40000	1.4000	1.1000

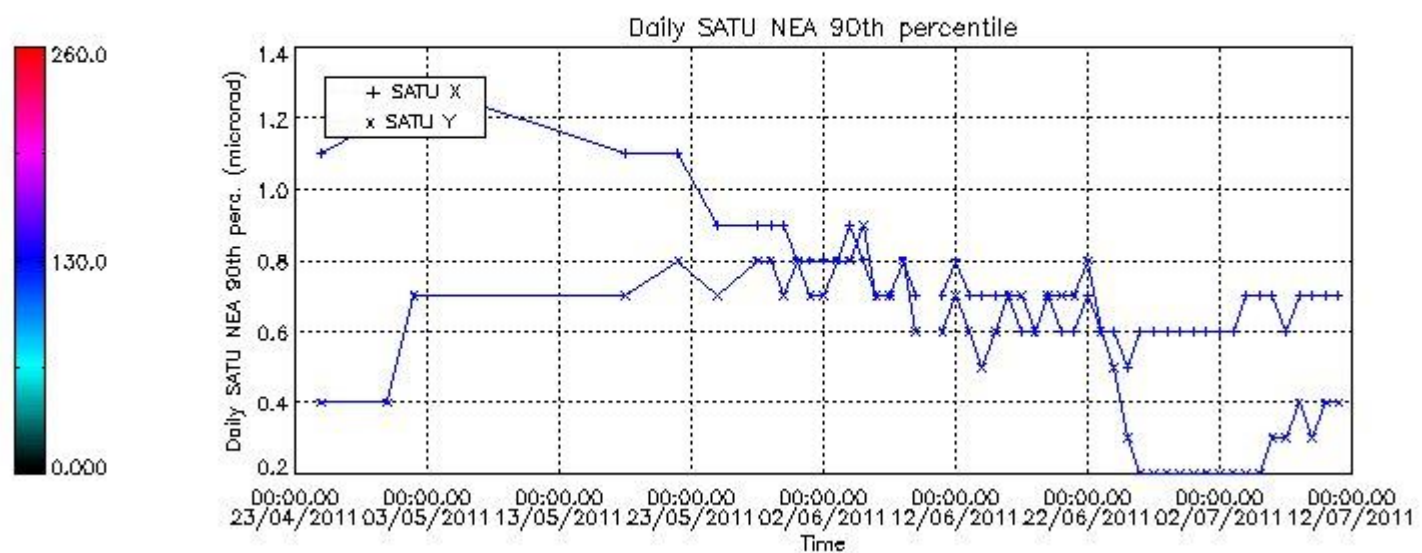
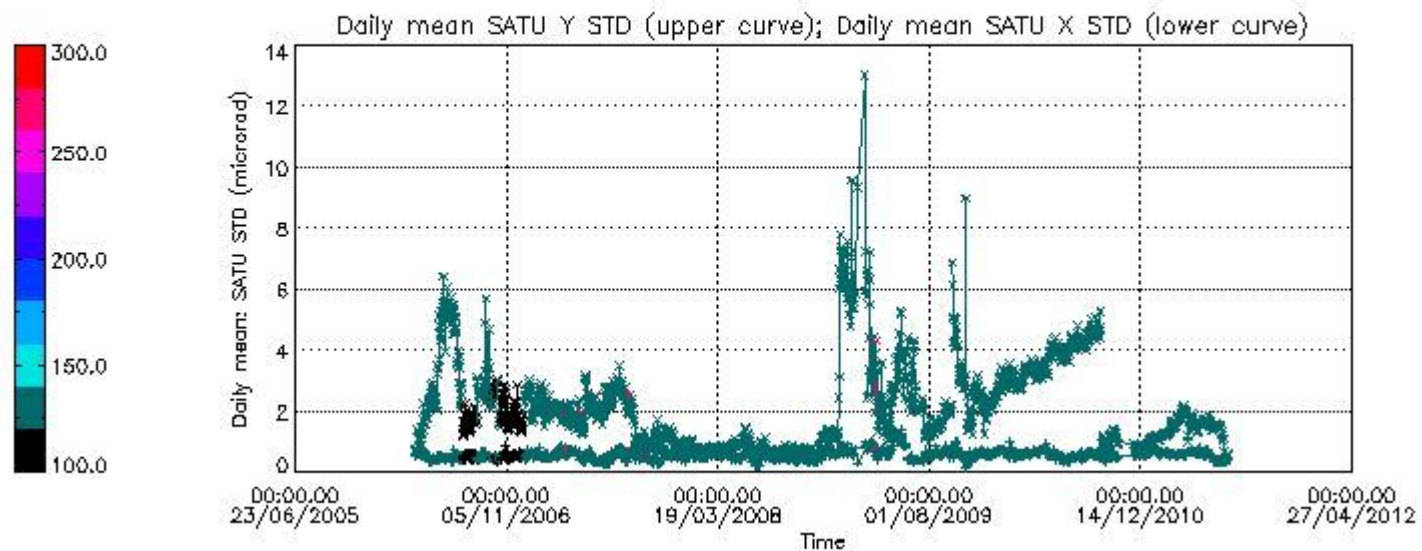
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

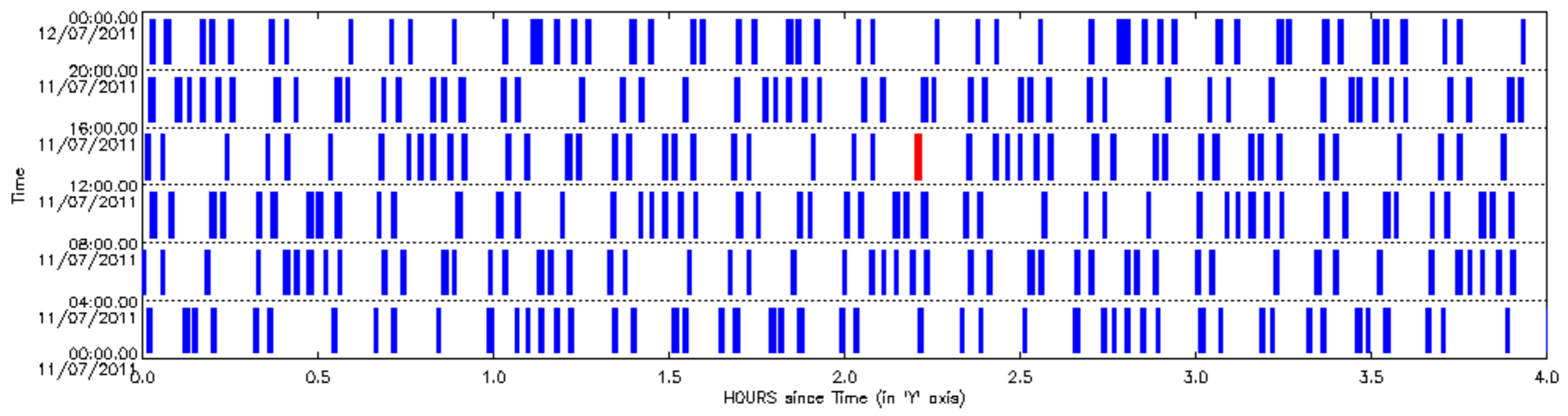
Lower curve: STD of SATU X axis

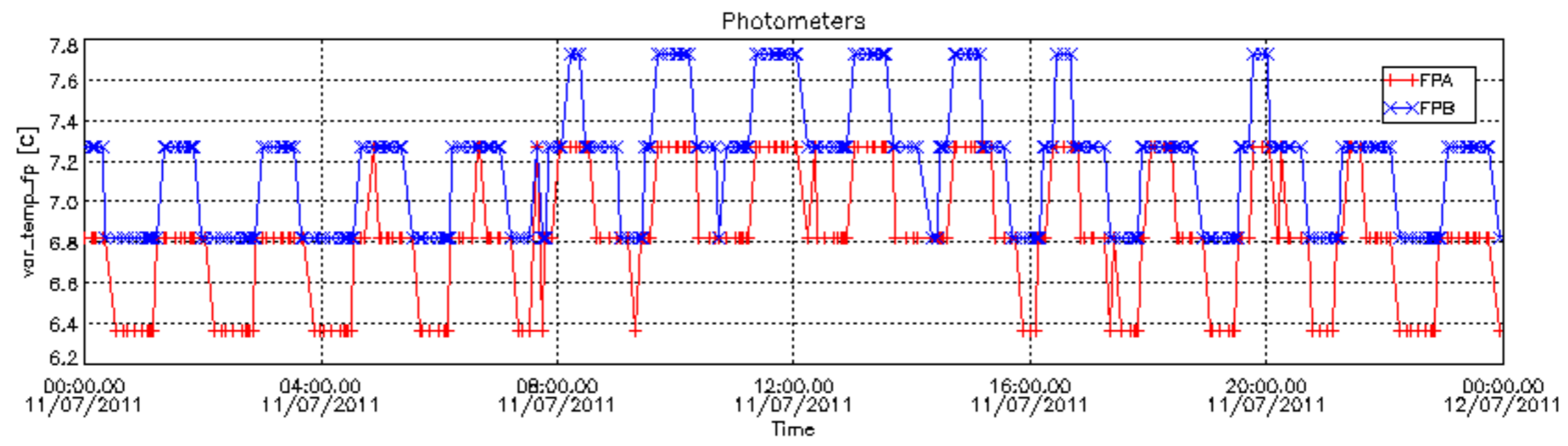
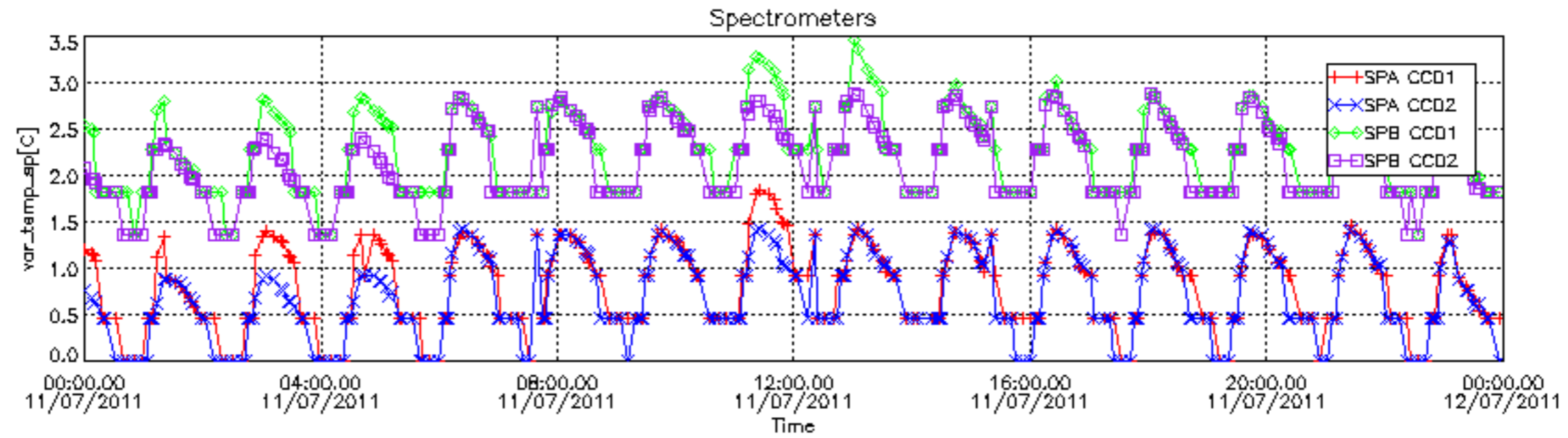


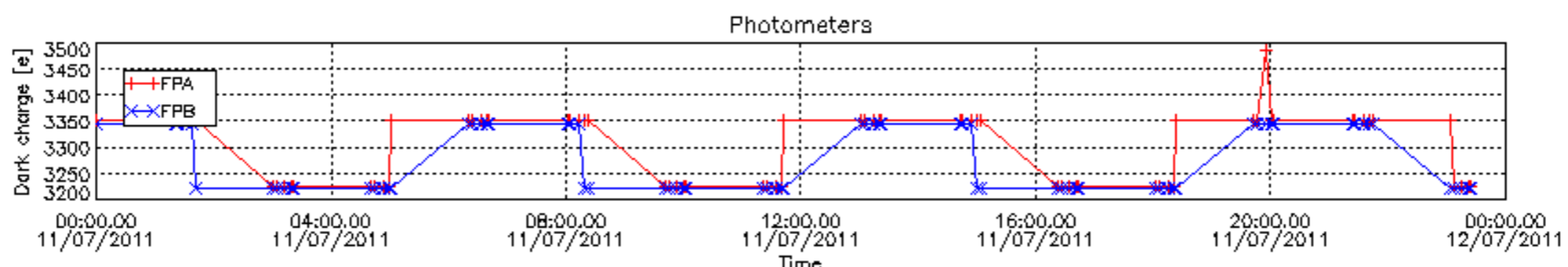
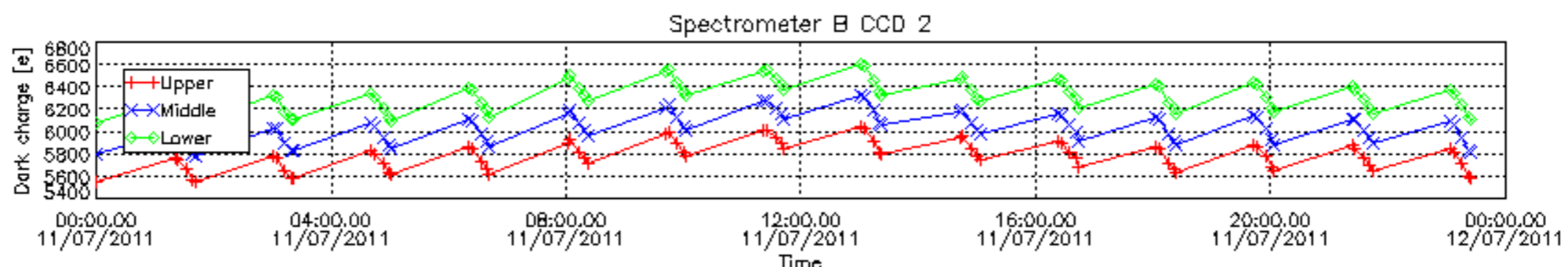
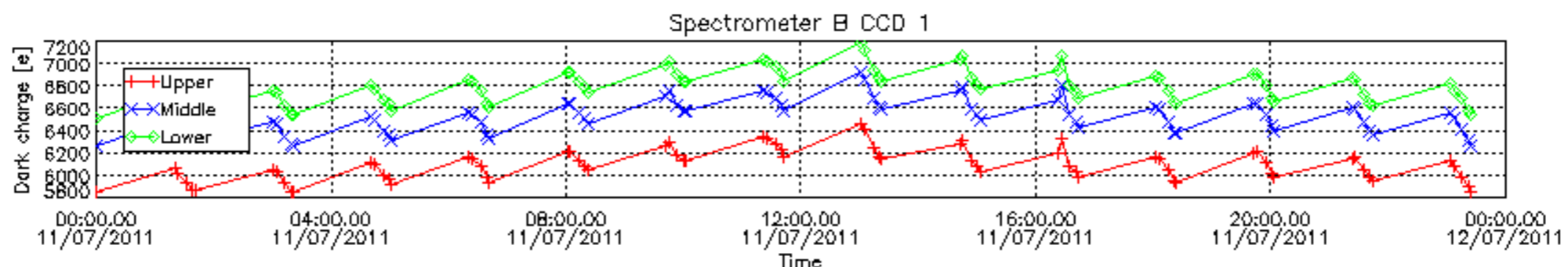
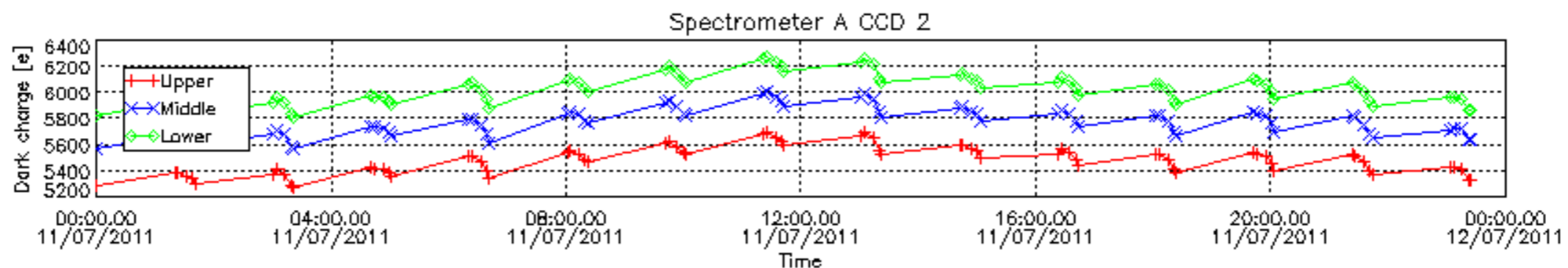
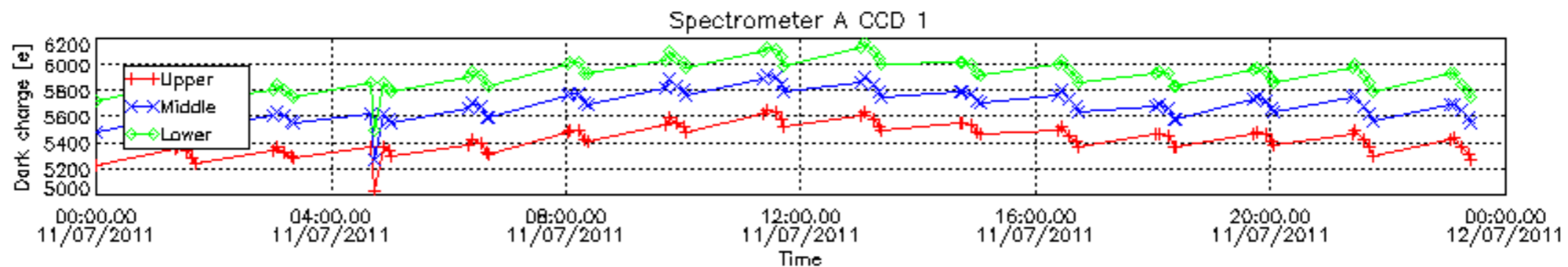
8. Auxiliary Data Files used for the production reported in section 2.4

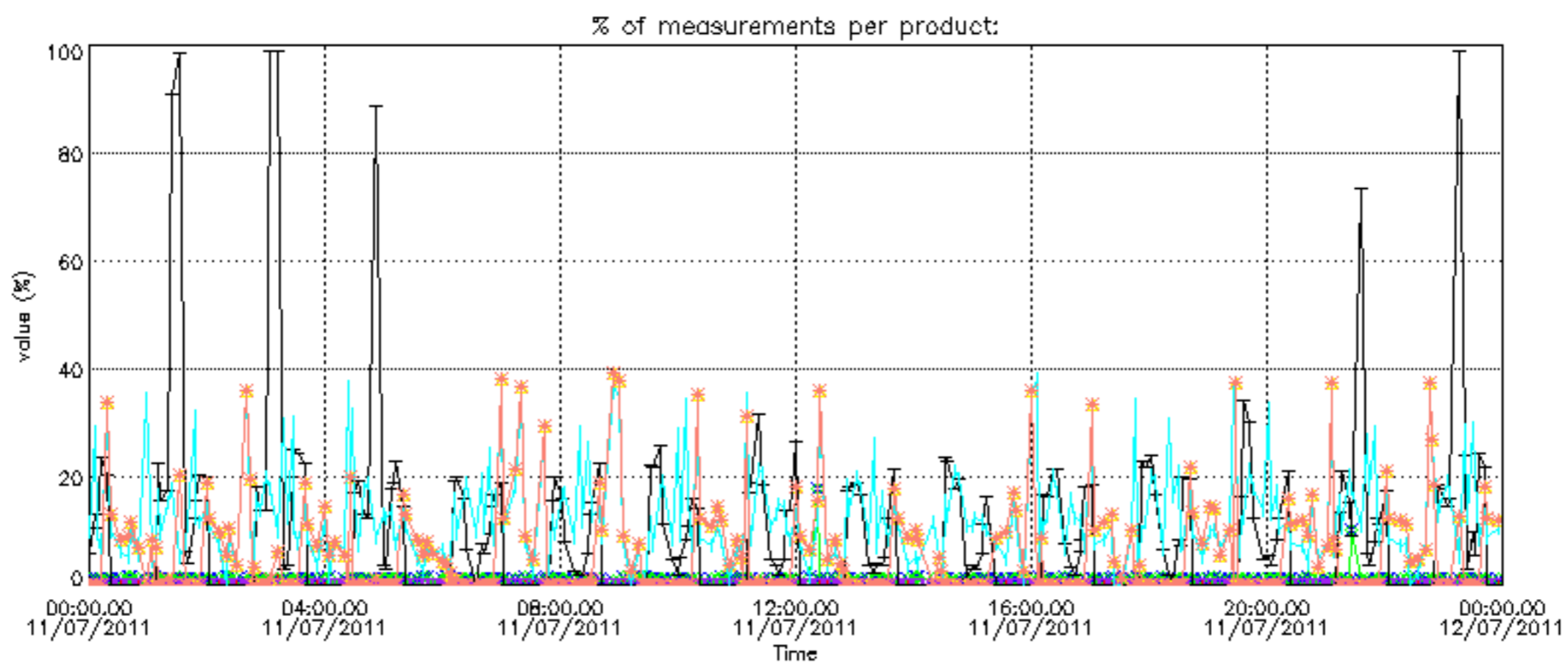
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	11-JUL-2011 00:00:43
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110628_073212_20110627_000000_20500101_000000	1	11-JUL-2011 00:00:43
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110711_093848_20110709_000000_20500101_000000	127	11-JUL-2011 10:33:45
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	11-JUL-2011 00:00:43
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20110513_081743_20020301_000000_20500101_000000	91	11-JUL-2011 07:39:46
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	11-JUL-2011 00:00:43
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	11-JUL-2011 00:00:43
ECMWF_FILE	AUX_ECF_AXNECM20110710_063201_20110710_210000_20110711_090000	1	11-JUL-2011 00:00:43
ECMWF_FILE	AUX_ECF_AXNECM20110710_181735_20110711_030000_20110711_150000	51	11-JUL-2011 04:19:19
ECMWF_FILE	AUX_ECA_AXNECM20110711_063045_20110710_210000_20110711_090000	71	11-JUL-2011 05:59:32
ECMWF_FILE	AUX_ECF_AXNECM20110710_181735_20110711_030000_20110711_150000	107	11-JUL-2011 08:53:31
ECMWF_FILE	AUX_ECF_AXNECM20110711_063045_20110711_090000_20110711_210000	127	11-JUL-2011 10:33:45
ECMWF_FILE	AUX_ECF_AXNECM20110711_063045_20110711_150000_20110712_030000	184	11-JUL-2011 15:20:58
ECMWF_FILE	AUX_ECA_AXNECM20110711_175046_20110711_090000_20110711_210000	204	11-JUL-2011 17:01:13
ECMWF_FILE	AUX_ECF_AXNECM20110711_063045_20110711_150000_20110712_030000	243	11-JUL-2011 20:14:36
ECMWF_FILE	AUX_ECF_AXNECM20110711_063046_20110711_210000_20110712_090000	257	11-JUL-2011 21:26:29
OPTIONAL_ECMWF_FILE	MISSING	1	11-JUL-2011 00:00:43
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110710_103200_20110709_193227_20110719_200601	1	11-JUL-2011 00:00:43
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110711_103044_20110710_185543_20110720_210931	127	11-JUL-2011 10:33:45

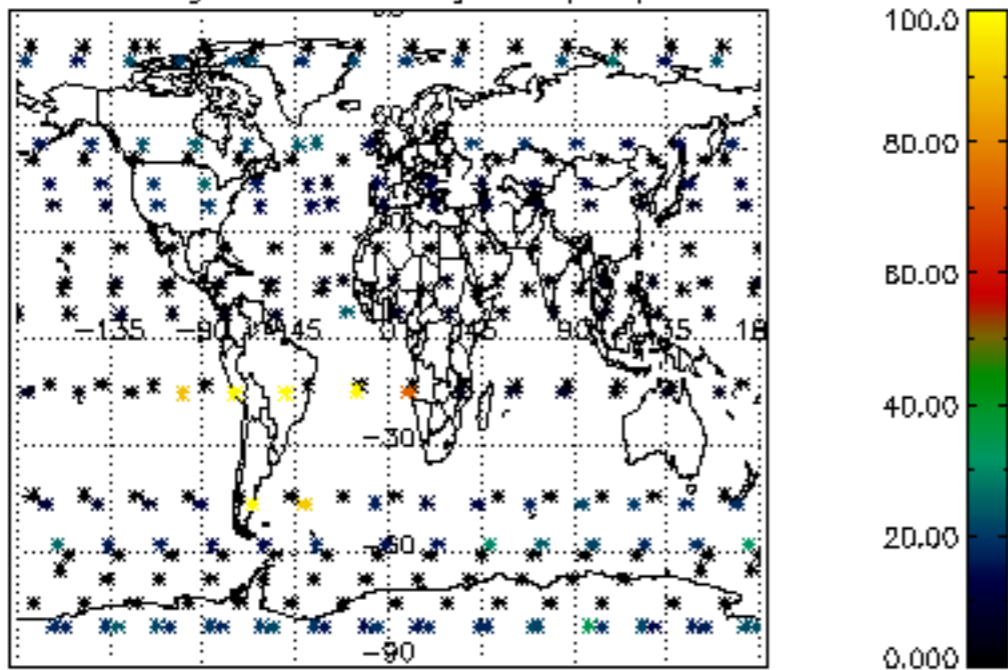




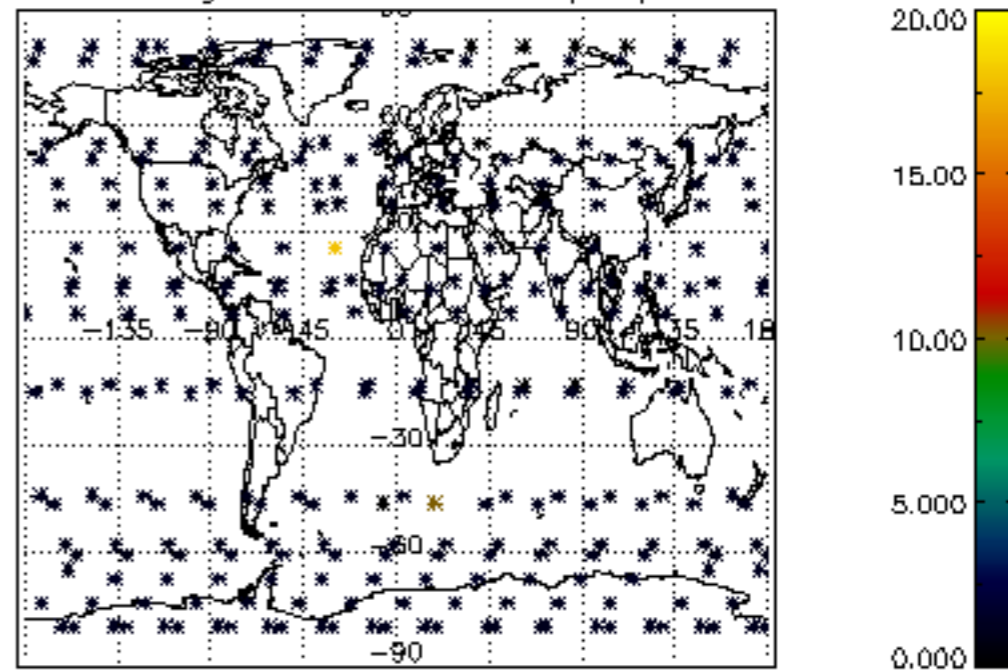




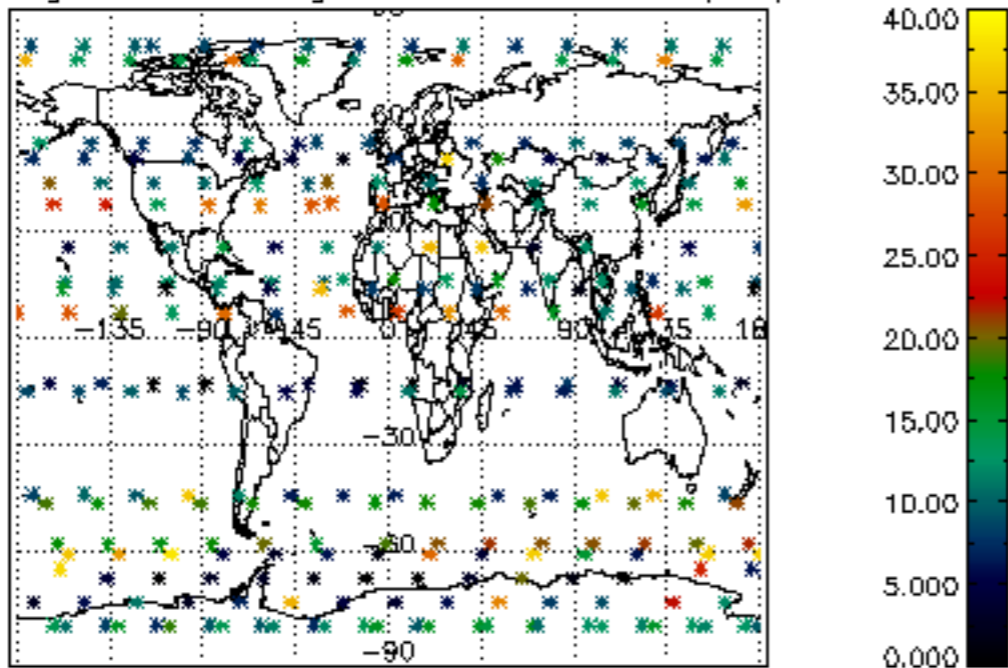
Percentage of cosmic ray hits per profile



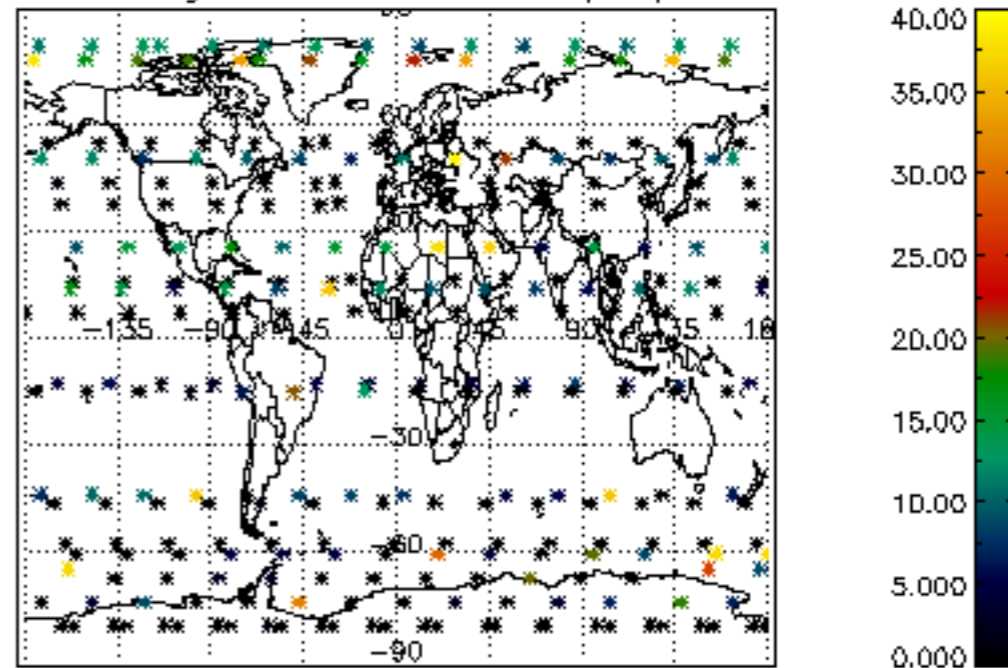
Percentage of datation errors per profile



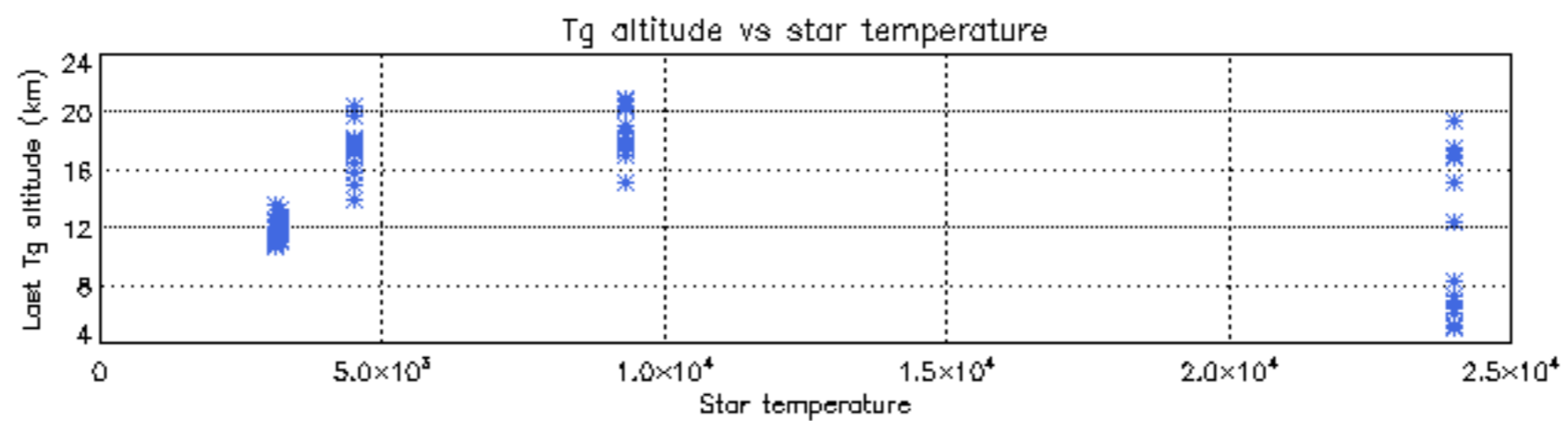
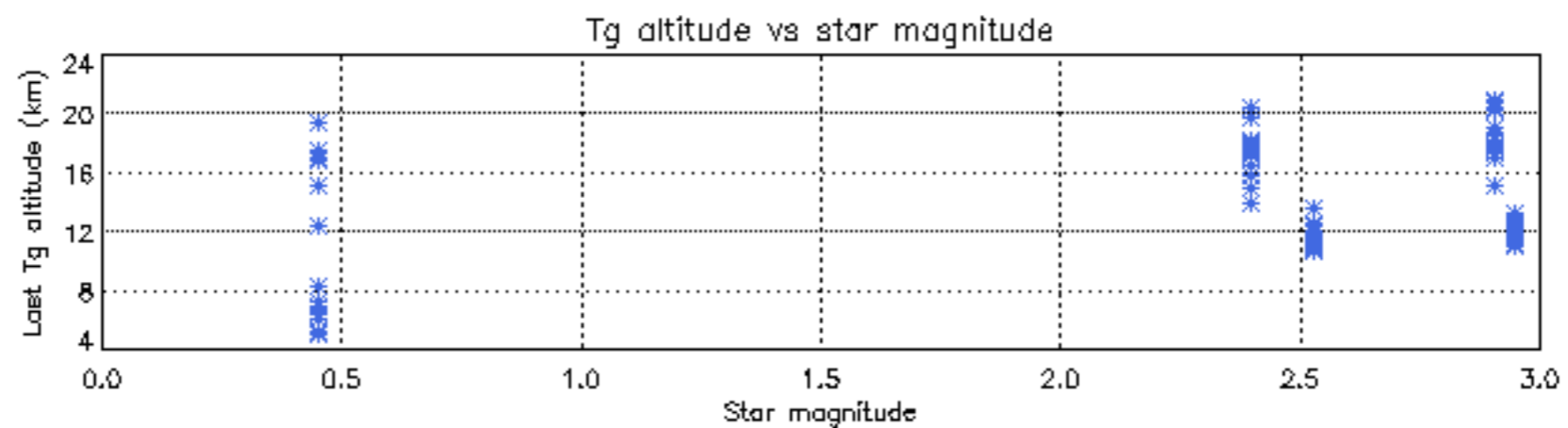
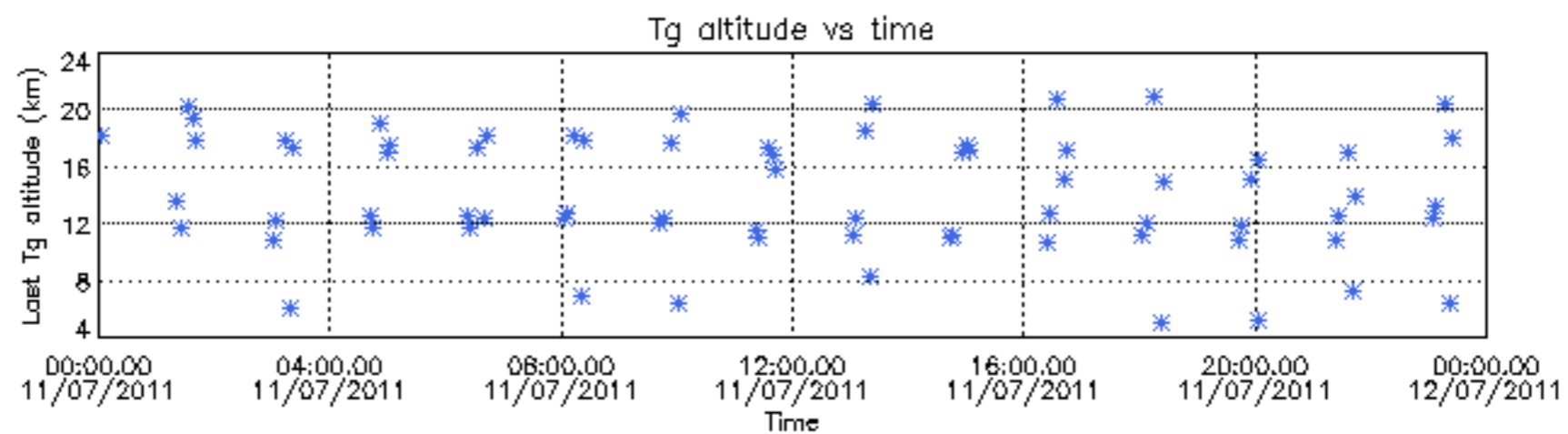
Percentage of star falling outside central band per profile



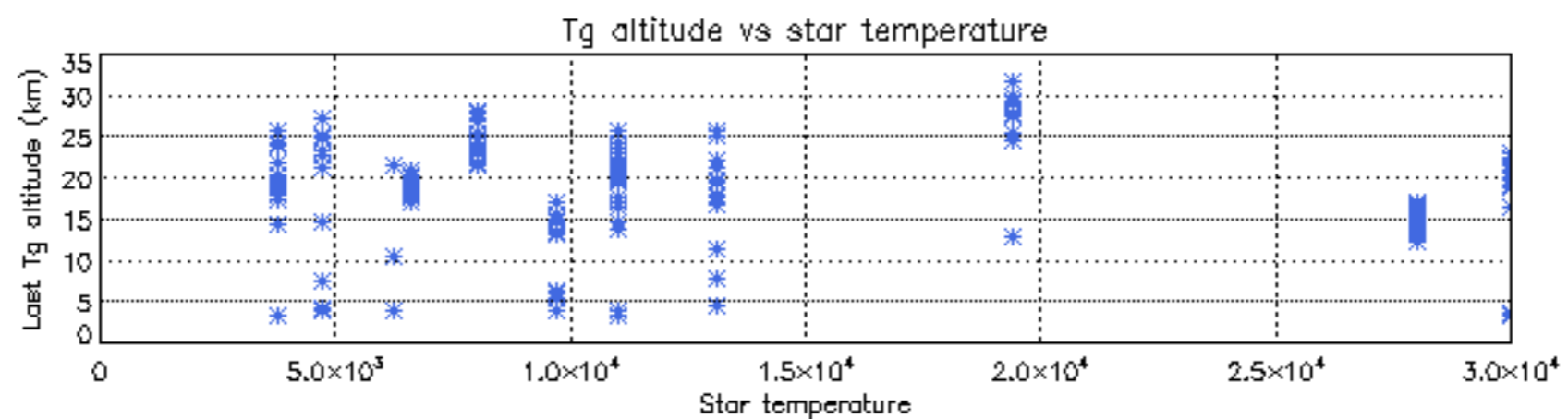
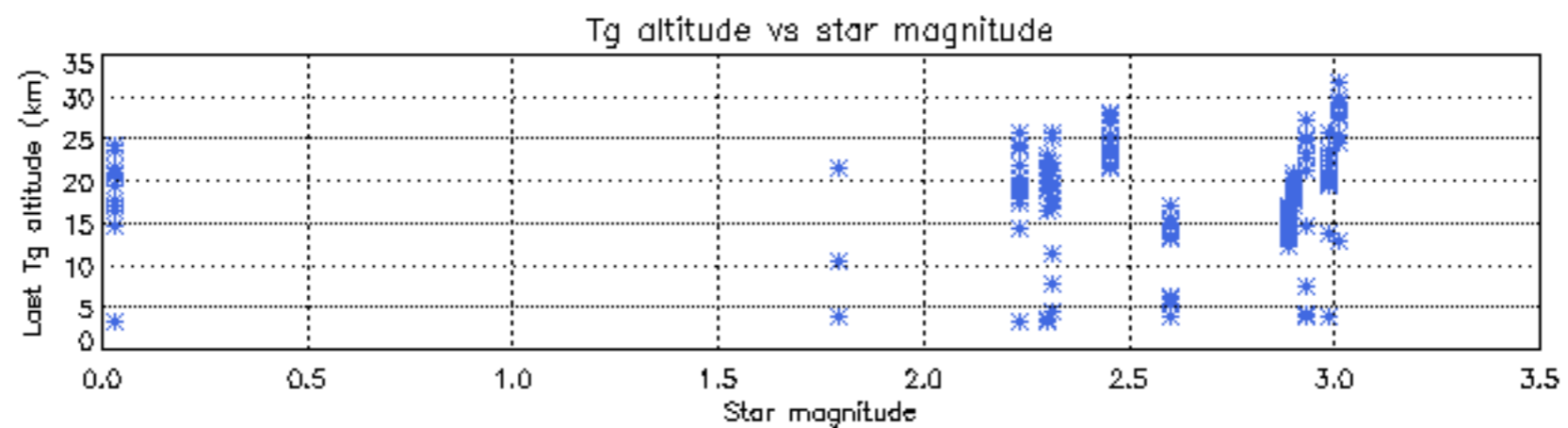
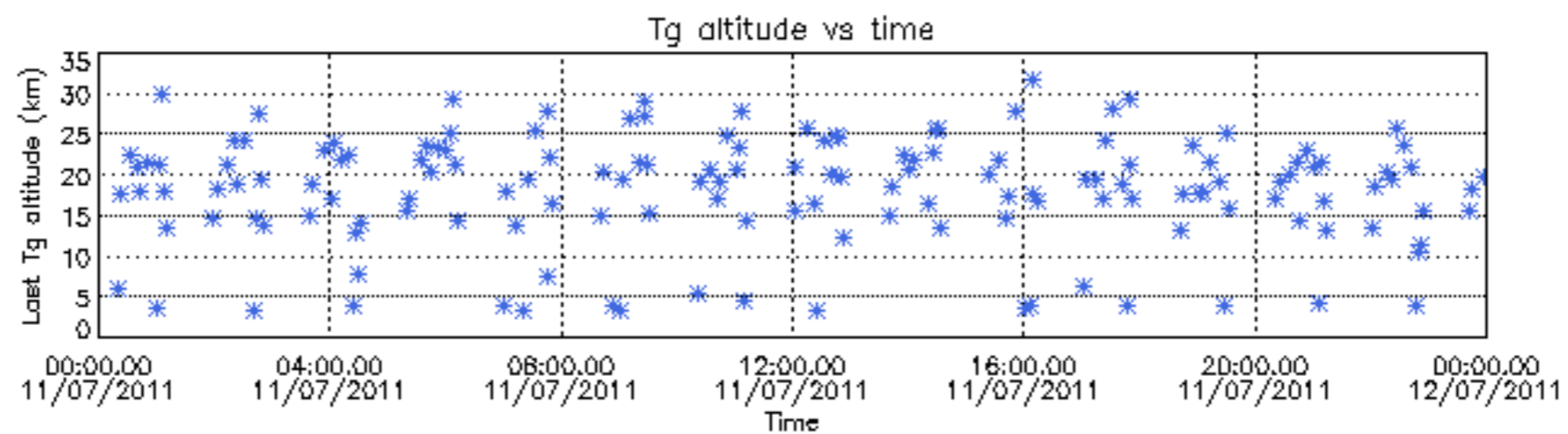
Percentage of saturation errors per profile



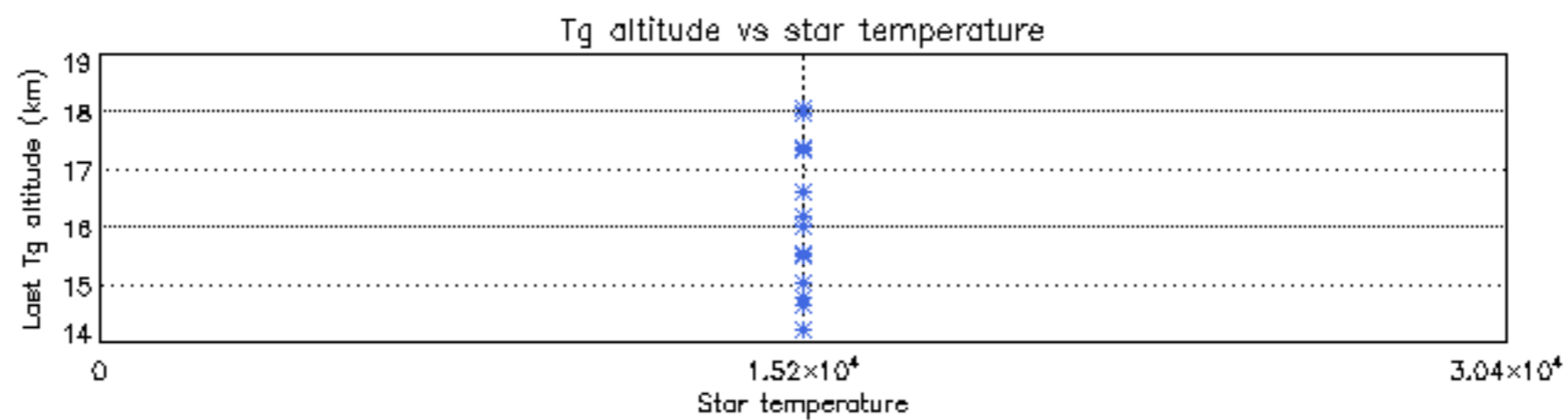
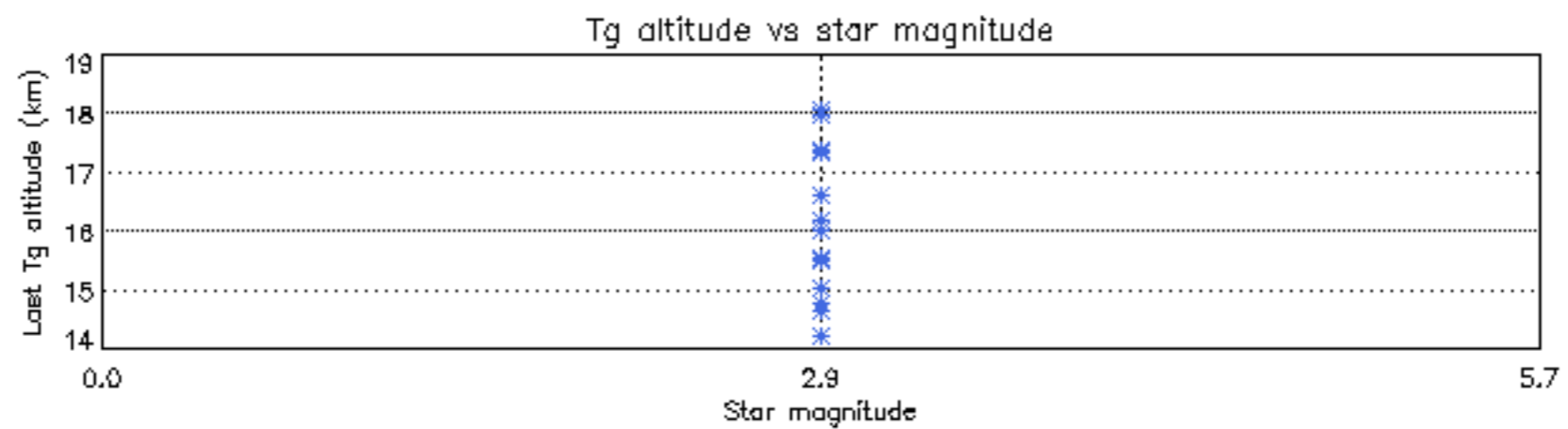
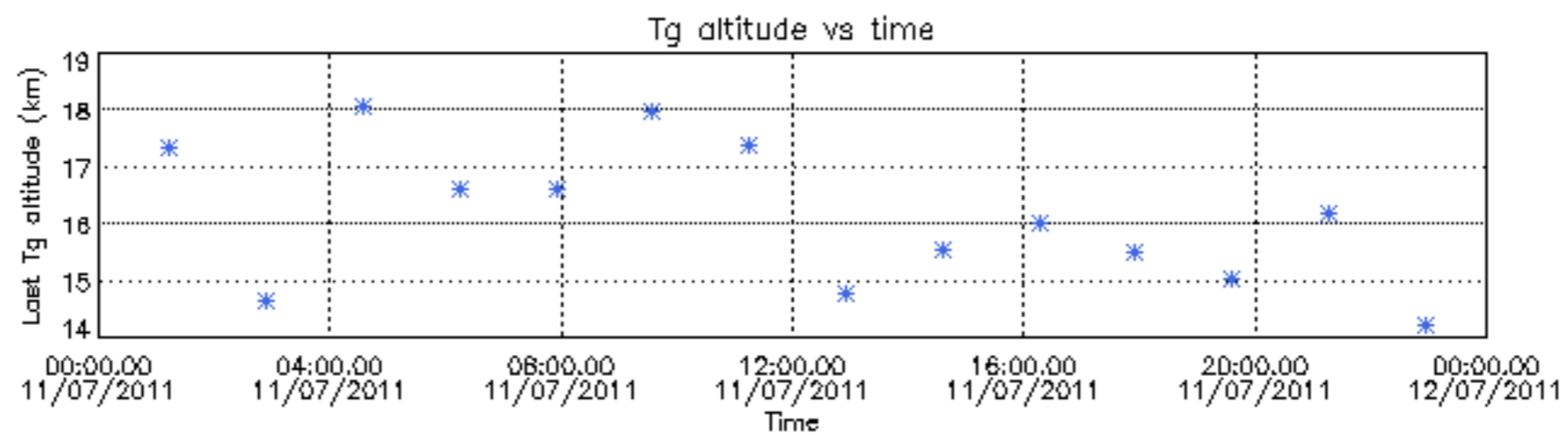
Tangent altitude at which the star is lost

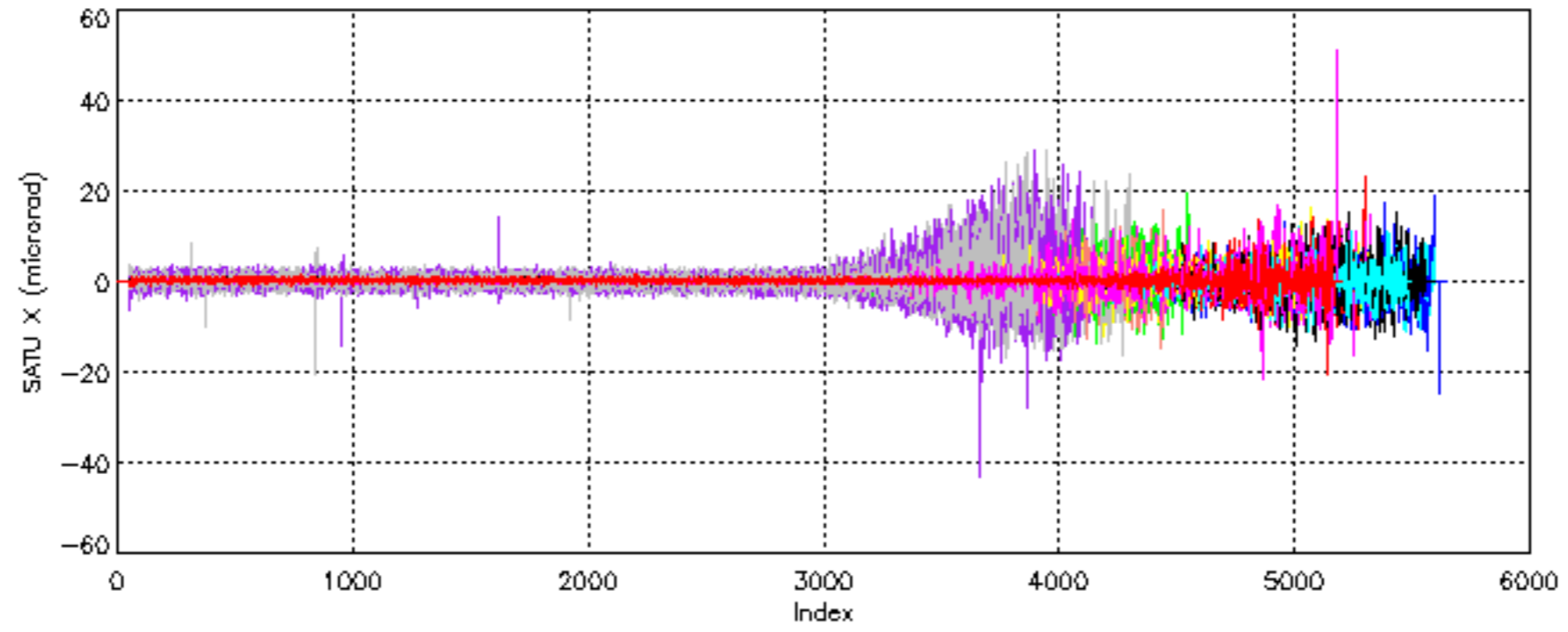


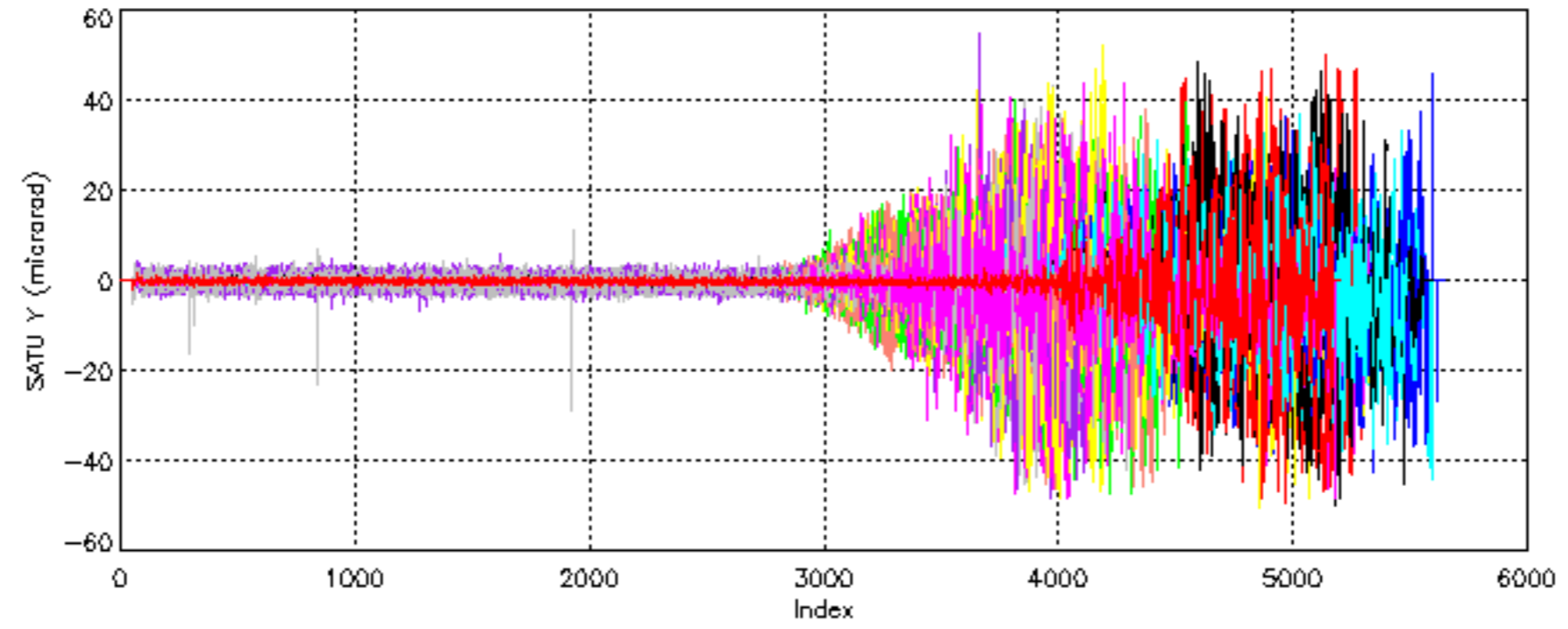
Tangent altitude at which the star is lost

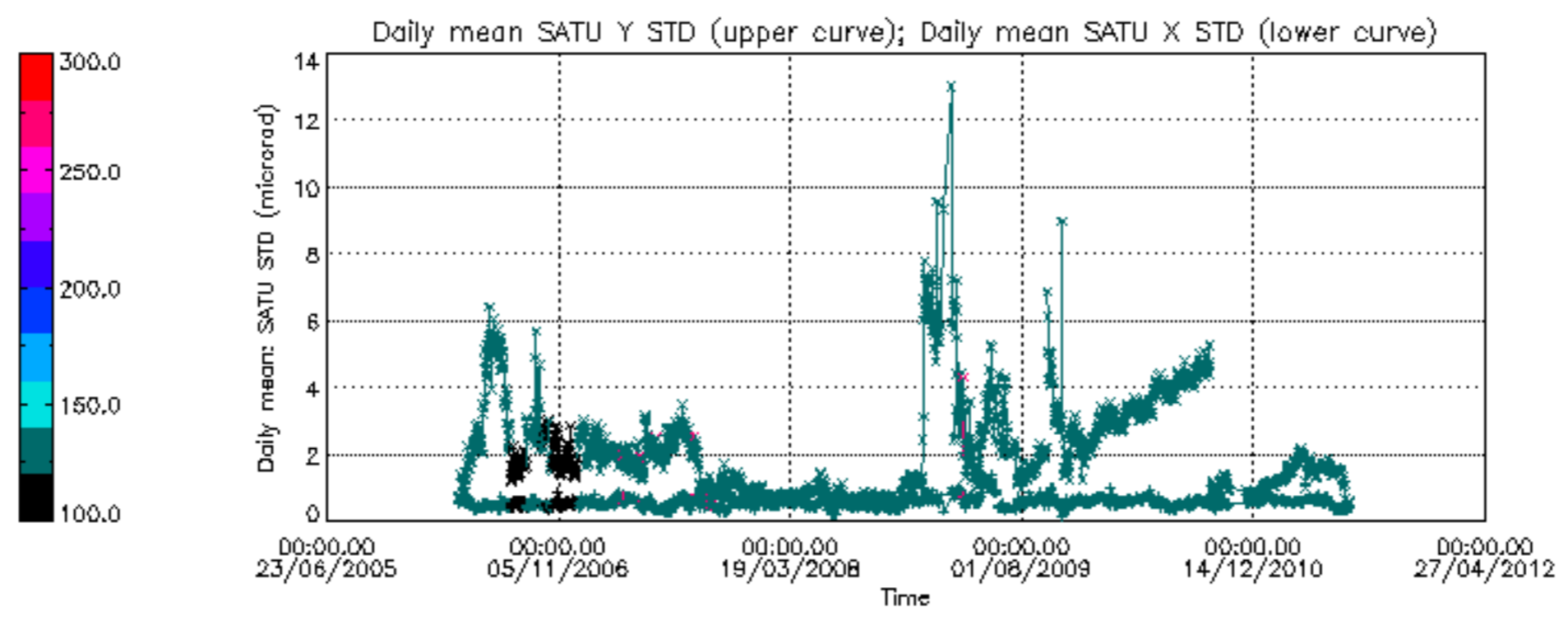


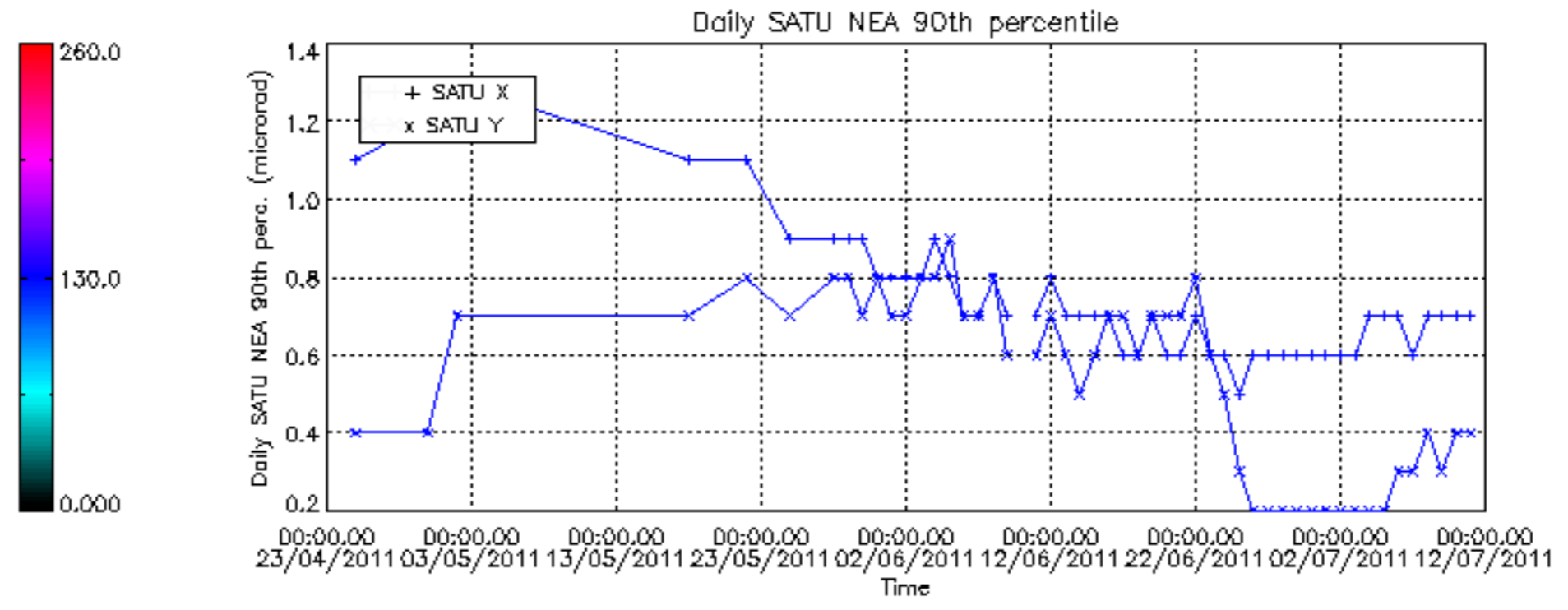
Tangent altitude at which the star is lost












```

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 1; -520.5; 01-JUL-2011 02:34:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48810
 2; 104.4; 01-JUL-2011 02:45:04; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;48811
 3; 491.2; 01-JUL-2011 02:51:31; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48811
 4; 606.4; 01-JUL-2011 02:53:26; Dark ; 53.0; 31; Alp Gru ; 1.73; 15200;occ; 106; 0;48811
 5; 744.1; 01-JUL-2011 02:55:43; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48811
 6; 1308.9; 01-JUL-2011 03:05:08; Dark ; 49.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 98; 0;48811
 7; 1472.5; 01-JUL-2011 03:07:52; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;48811
 8; 1969.7; 01-JUL-2011 03:16:09; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48811
 9; 2108.6; 01-JUL-2011 03:18:28; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48811
10; 2210.9; 01-JUL-2011 03:20:10; Bright; 48.0; 168; 17Zet Aql ; 2.99; 11000;occ; 96; 0;48811
11; 2630.2; 01-JUL-2011 03:27:10; Bright; 45.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 91; 0;48811
12; 2791.4; 01-JUL-2011 03:29:51; Bright; 34.0; 130; 23Bet Dra ; 2.80; 5800;occ; 68; 0;48811
13; 2894.4; 01-JUL-2011 03:31:34; Bright; 63.0; 144; 18Del Cyg ; 2.86; 11000;occ; 126; 0;48811
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 5;-1770.7; 01-JUL-2011 03:54:03; Bright; 66.0; 73; 57Gam1And ; 2.26; 13100;occ; 132; 0;48811
 6;-1611.4; 01-JUL-2011 03:56:42; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;48811
 7;-1354.4; 01-JUL-2011 04:00:59; Dark ; 57.5; 50; 13Alp Ari ; 2.01; 4250;occ; 115; 0;48811
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11; 492.2; 01-JUL-2011 04:31:46; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48812
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16; 1969.8; 01-JUL-2011 04:56:23; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48812
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18; 2210.4; 01-JUL-2011 05:00:24; Bright; 46.5; 168; 17Zet Aql ; 2.99; 11000;occ; 93; 0;48812
19; 2629.8; 01-JUL-2011 05:07:23; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;48812
20; 2791.3; 01-JUL-2011 05:10:05; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48812
21; 2893.6; 01-JUL-2011 05:11:47; Bright; 48.0; 144; 18Del Cyg ; 2.86; 11000;occ; 96; 0;48812
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