

GOMOS Daily Report 12-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	15JUL2011 07:04:37
Data source version	GOMOS/6.01
Start time of products	12JUL2011 00:02:37
Stop time of products	12JUL2011 23:59:30
Store outputs in DB	Yes
Nb of level 1b prods	273
Nb of prods with errors	127

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

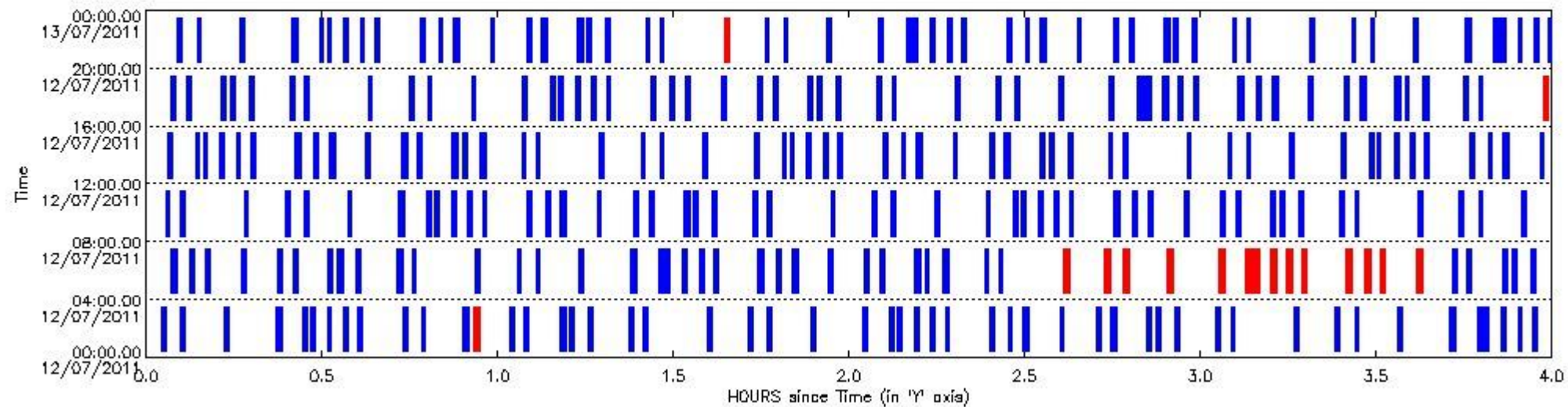
2.1 Level 0 products arrived in PCF (see template [here](#))

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
12-JUL-2011 00:55:55	The1Eri	157	48967
12-JUL-2011 06:36:36	17ZetAql	168	48971
12-JUL-2011 06:43:39	3AlpLyr	5	48971
12-JUL-2011 06:46:53	33GamDra	69	48971
12-JUL-2011 06:54:17	5AlpCep	89	48971
12-JUL-2011 07:03:01	27GamCas	76	48971
12-JUL-2011 07:07:48	23GamPer	160	48971
12-JUL-2011 07:09:06	33AlpPer	35	48971
12-JUL-2011 07:11:58	26BetPer	79	48971
12-JUL-2011 07:14:45	44ZetPer	150	48971
12-JUL-2011 07:17:14	25EtaTau	146	48971
12-JUL-2011 07:24:49	92AlpCet	94	48971
12-JUL-2011 07:28:02	34GamEri	165	48971
12-JUL-2011 07:30:36	DSA1064	0	48971
12-JUL-2011 07:36:53	The1Eri	157	48971

12-JUL-2011 19:58:26	17ZetAql	168	48979
12-JUL-2011 21:38:40	17ZetAql	168	48980

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_1PNPDE20110712_000237_000000383104_00246_48967_2496.N1	12-JUL-2011 00:02:37	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	48967	No
2	GOM_TRA_1PNPDE20110712_000551_000000383104_00246_48967_2497.N1	12-JUL-2011 00:05:51	Bright	38.000	69	33Gam Dra	2.2310	3800.0	76	48967	No
3	GOM_TRA_1PNPDE20110712_001317_000000423104_00246_48967_2498.N1	12-JUL-2011 00:13:17	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	48967	No
4	GOM_TRA_1PNPDE20110712_002201_000000683104_00246_48967_2499.N1	12-JUL-2011 00:22:01	Bright	68.000	76	27Gam Cas	2.3000	30000.	136	48967	No
5	GOM_TRA_1PNPDE20110712_002646_000000423104_00246_48967_2500.N1	12-JUL-2011 00:26:46	Bright	42.000	160	23Gam Per	2.9300	4700.0	84	48967	No
6	GOM_TRA_1PNPDE20110712_002804_000000453104_00246_48967_2501.N1	12-JUL-2011 00:28:04	Bright	44.500	35	33Alp Per	1.7950	6250.0	89	48967	No
7	GOM_TRA_1PNPDE20110712_003056_000000423104_00246_48967_2502.N1	12-JUL-2011 00:30:56	Bright	41.500	79	26Bet Per	2.3100	13100.	83	48967	No
8	GOM_TRA_1PNPDE20110712_003342_000000443104_00246_48967_2503.N1	12-JUL-2011 00:33:42	Bright	43.500	150	44Zet Per	2.8900	28000.	87	48967	No
9	GOM_TRA_1PNPDE20110712_003611_000000433104_00246_48967_2504.N1	12-JUL-2011 00:36:11	Twilight	42.500	146	25Eta Tau	2.8730	15200.	85	48967	No
10	GOM_TRA_1PNPDE20110712_004343_000000553104_00246_48967_2505.N1	12-JUL-2011 00:43:43	Dark	54.500	94	92Alp Cet	2.5260	3100.0	109	48967	No
11	GOM_TRA_1PNPDE20110712_004658_000000443104_00246_48967_2506.N1	12-JUL-2011 00:46:58	Dark	44.000	165	34Gam Eri	2.9500	3200.0	88	48967	No
12	GOM_TRA_1PNPDE20110712_010157_000000543104_00247_48968_2512.N1	12-JUL-2011 01:01:57	Dark	54.000	9	Alp Eri	0.45300	24000.	108	48968	No
13	GOM_TRA_1PNPDE20110712_010429_000000523104_00247_48968_2513.N1	12-JUL-2011 01:04:29	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	48968	No
14	GOM_TRA_1PNPDE20110712_011029_000000653104_00247_48968_2514.N1	12-JUL-2011 01:10:29	Straylight	65.000	63	Bet Gru	2.1500	2800.0	130	48968	No
15	GOM_TRA_1PNPDE20110712_011210_000000583104_00247_48968_2515.N1	12-JUL-2011 01:12:10	Straylight	57.500	31	Alp Gru	1.7340	15200.	115	48968	No
16	GOM_TRA_1PNPDE20110712_011520_000000553104_00247_48968_2516.N1	12-JUL-2011 01:15:20	Straylight	54.500	172	Gam Gru	3.0030	13100.	109	48968	No
17	GOM_TRA_1PNPDE20110712_012224_000000423104_00247_48968_2517.N1	12-JUL-2011 01:22:24	Bright	42.000	103	38Zet Sgr	2.6000	9700.0	84	48968	No
18	GOM_TRA_1PNPDE20110712_012455_000000413104_00247_48968_2518.N1	12-JUL-2011 01:24:55	Bright	41.000	155	41Pi Sgr	2.9000	6600.0	82	48968	No
19	GOM_TRA_1PNPDE20110712_013548_000000423104_00247_48968_2519.N1	12-JUL-2011 01:35:48	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	48968	No
20	GOM_TRA_1PNPDE20110712_014251_000000383104_00247_48968_2520.N1	12-JUL-2011 01:42:51	Bright	38.000	5	3Alp Lyr	0.033000	11000.	76	48968	No
21	GOM_TRA_1PNPDE20110712_014605_000000353104_00247_48968_2521.N1	12-JUL-2011 01:46:05	Bright	34.500	69	33Gam Dra	2.2310	3800.0	69	48968	No
22	GOM_TRA_1PNPDE20110712_015330_000000463104_00247_48968_2522.N1	12-JUL-2011 01:53:30	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48968	No
23	GOM_TRA_1PNPDE20110712_020214_000000533104_00247_48968_2523.N1	12-JUL-2011 02:02:14	Bright	52.500	76	27Gam Cas	2.3000	30000.	105	48968	No
24	GOM_TRA_1PNPDE20110712_020700_000000463104_00247_48968_2524.N1	12-JUL-2011 02:07:00	Bright	45.500	160	23Gam Per	2.9300	4700.0	91	48968	No
25	GOM_TRA_1PNPDE20110712_020817_000000403104_00247_48968_2525.N1	12-JUL-2011 02:08:17	Bright	40.000	35	33Alp Per	1.7950	6250.0	80	48968	No
26	GOM_TRA_1PNPDE20110712_021110_000000413104_00247_48968_2526.N1	12-JUL-2011 02:11:10	Bright	41.000	79	26Bet Per	2.3100	13100.	82	48968	No
27	GOM_TRA_1PNPDE20110712_021356_000000433104_00247_48968_2527.N1	12-JUL-2011 02:13:56	Bright	43.000	150	44Zet Per	2.8900	28000.	86	48968	No
28	GOM_TRA_1PNPDE20110712_021625_000000453104_00247_48968_2528.N1	12-JUL-2011 02:16:25	Twilight	44.500	146	25Eta Tau	2.8730	15200.	89	48968	No
29	GOM_TRA_1PNPDE20110712_022358_000000573104_00247_48968_2532.N1	12-JUL-2011 02:23:58	Dark	56.500	94	92Alp Cet	2.5260	3100.0	113	48968	No
30	GOM_TRA_1PNPDE20110712_022712_000000413104_00247_48968_2533.N1	12-JUL-2011 02:27:12	Dark	40.500	165	34Gam Eri	2.9500	3200.0	81	48968	No
31	GOM_TRA_1PNPDE20110712_023602_000000403104_00247_48968_2534.N1	12-JUL-2011 02:36:02	Dark	40.000	157	The1Eri	2.9060	9300.0	80	48968	No
32	GOM_TRA_1PNPDE20110712_024212_000000513104_00248_48969_2535.N1	12-JUL-2011 02:42:12	Dark	51.000	9	Alp Eri	0.45300	24000.	102	48969	No
33	GOM_TRA_1PNPDE20110712_024445_000000573104_00248_48969_2536.N1	12-JUL-2011 02:44:45	Dark	57.000	84	Alp Phe	2.3970	4500.0	114	48969	No
34	GOM_TRA_1PNPDE20110712_025044_000000543104_00248_48969_2537.N1	12-JUL-2011 02:50:44	Straylight	53.500	63	Bet Gru	2.1500	2800.0	107	48969	No
35	GOM_TRA_1PNPDE20110712_025225_000000483104_00248_48969_2538.N1	12-JUL-2011 02:52:25	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	48969	No
36	GOM_TRA_1PNPDE20110712_025535_000000533104_00248_48969_2539.N1	12-JUL-2011 02:55:35	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	48969	No
37	GOM_TRA_1PNPDE20110712_030238_000000483104_00248_48969_2540.N1	12-JUL-2011 03:02:38	Bright	47.500	103	38Zet Sgr	2.6000	9700.0	95	48969	No
38	GOM_TRA_1PNPDE20110712_030509_000000423104_00248_48969_2541.N1	12-JUL-2011 03:05:09	Bright	41.500	155	41Pi Sgr	2.9000	6600.0	83	48969	No
39	GOM_TRA_1PNPDE20110712_031602_000000423104_00248_48969_2542.N1	12-JUL-2011 03:16:02	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	48969	No
40	GOM_TRA_1PNPDE20110712_032304_000000423104_00248_48969_2543.N1	12-JUL-2011 03:23:04	Bright	41.500	5	3Alp Lyr	0.033000	11000.	83	48969	No
41	GOM_TRA_1PNPDE20110712_032619_000000343104_00248_48969_2544.N1	12-JUL-2011 03:26:19	Bright	34.000	69	33Gam Dra	2.2310	3800.0	68	48969	No
42	GOM_TRA_1PNPDE20110712_033344_000000443104_00248_48969_2545.N1	12-JUL-2011 03:33:44	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	48969	No
43	GOM_TRA_1PNPDE20110712_034228_000000653104_00248_48969_2555.N1	12-JUL-2011 03:42:28	Bright	65.000	76	27Gam Cas	2.3000	30000.	130	48969	No
44	GOM_TRA_1PNPDE20110712_034713_000000523104_00248_48969_2556.N1	12-JUL-2011 03:47:13	Bright	51.500	160	23Gam Per	2.9300	4700.0	103	48969	No
45	GOM_TRA_1PNPDE20110712_034831_000000393104_00248_48969_2557.N1	12-JUL-2011 03:48:31	Bright	39.000	35	33Alp Per	1.7950	6250.0	78	48969	No
46	GOM_TRA_1PNPDE20110712_035124_000000393104_00248_48969_2558.N1	12-JUL-2011 03:51:24	Bright	39.000	79	26Bet Per	2.3100	13100.	78	48969	No
47	GOM_TRA_1PNPDE20110712_035410_000000443104_00248_48969_2559.N1	12-JUL-2011 03:54:10	Bright	43.500	150	44Zet Per	2.8900	28000.	87	48969	No
48	GOM_TRA_1PNPDE20110712_035639_000000453104_00248_48969_2560.N1	12-JUL-2011 03:56:39	Twilight	44.500	146	25Eta Tau	2.8730	15200.	89	48969	No
49	GOM_TRA_1PNPDE20110712_040412_000000573104_00248_48969_2561.N1	12-JUL-2011 04:04:12	Dark	56.500	94	92Alp Cet	2.5260	3100.0	113	48969	No
50	GOM_TRA_1PNPDE20110712_040727_000000403104_00248_48969_2562.N1	12-JUL-2011 04:07:27	Dark	40.000	165	34Gam Eri	2.9500	3200.0	80	48969	No
51	GOM_TRA_1PNPDE20110712_041617_000000423104_00248_48969_2563.N1	12-JUL-2011 04:16:17	Dark	41.500	157	The1Eri	2.9060	9300.0	83	48969	No
52	GOM_TRA_1PNPDE20110712_042227_000000503104_00249_48970_2564.N1	12-JUL-2011 04:22:27	Dark	49.500	9	Alp Eri	0.45300	24000.	99	48970	No

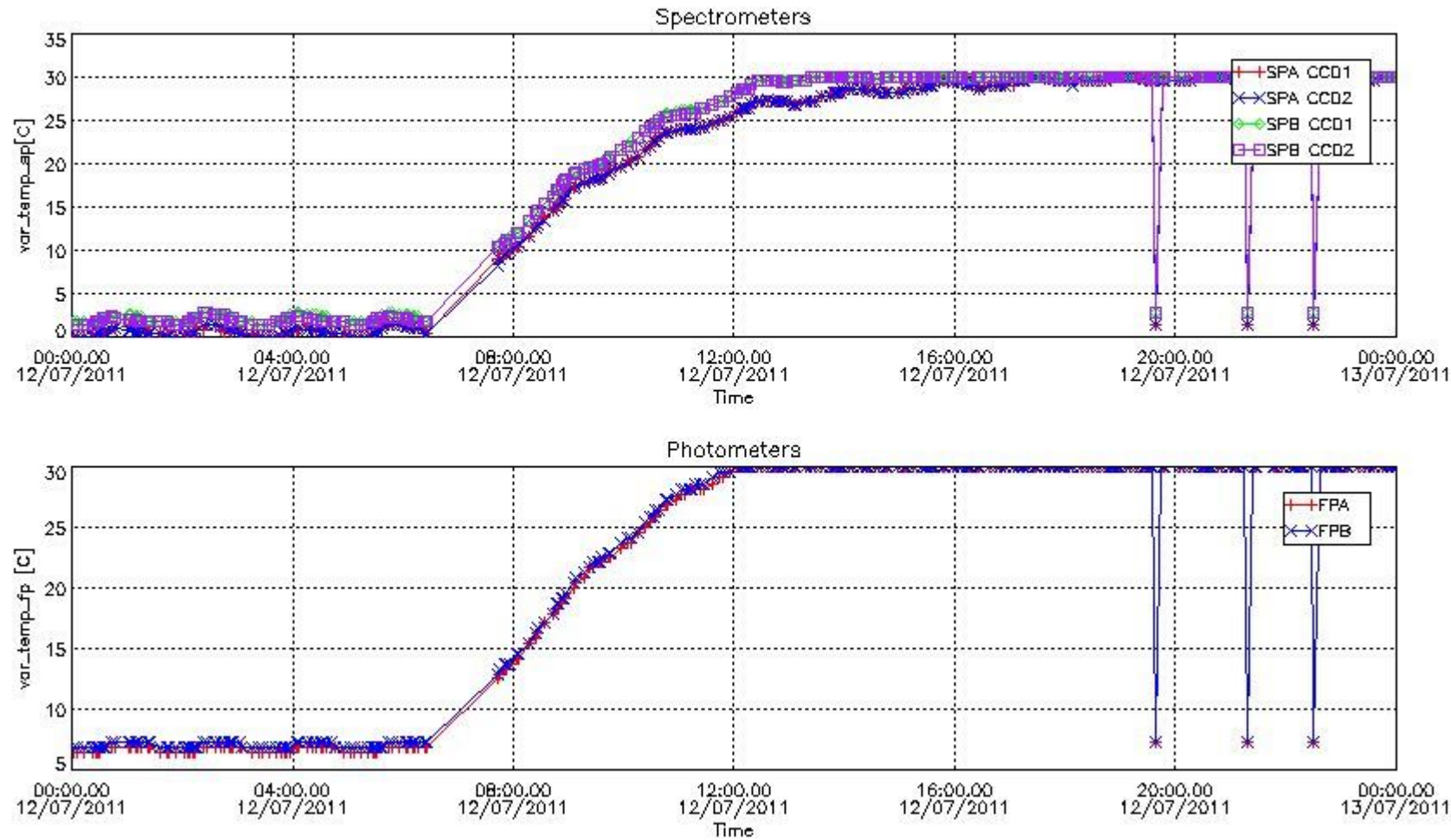
53	GOM_TRA_1PNPDE20110712_042500_000000523104_00249_48970_2565.N1	12-JUL-2011 04:25:00	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	48970	No
54	GOM_TRA_1PNPDE20110712_043059_000000533104_00249_48970_2566.N1	12-JUL-2011 04:30:59	Straylight	52.500	63	Bet Gru	2.1500	2800.0	105	48970	No
55	GOM_TRA_1PNPDE20110712_043240_000000533104_00249_48970_2567.N1	12-JUL-2011 04:32:40	Straylight	53.000	31	Alp Gru	1.7340	15200.	106	48970	No
56	GOM_TRA_1PNPDE20110712_043550_000000533104_00249_48970_2568.N1	12-JUL-2011 04:35:50	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	48970	No
57	GOM_TRA_1PNPDE20110712_044252_000000553104_00249_48970_2569.N1	12-JUL-2011 04:42:52	Bright	54.500	103	38Zet Sgr	2.6000	9700.0	109	48970	No
58	GOM_TRA_1PNPDE20110712_044523_000000413104_00249_48970_2570.N1	12-JUL-2011 04:45:23	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	48970	No
59	GOM_TRA_1PNPDE20110712_045616_000000423104_00249_48970_2571.N1	12-JUL-2011 04:56:16	Bright	42.000	168	17Zet Aql	2.9860	11000.	84	48970	No
60	GOM_TRA_1PNPDE20110712_050318_000000403104_00249_48970_2572.N1	12-JUL-2011 05:03:18	Bright	40.000	5	3Alp Lyr	0.033000	11000.	80	48970	No
61	GOM_TRA_1PNPDE20110712_050633_000000383104_00249_48970_2573.N1	12-JUL-2011 05:06:33	Bright	37.500	69	33Gam Dra	2.2310	3800.0	75	48970	No
62	GOM_TRA_1PNPDE20110712_051357_000000423104_00249_48970_2574.N1	12-JUL-2011 05:13:57	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	48970	No
63	GOM_TRA_1PNPDE20110712_052241_000000683104_00249_48970_2578.N1	12-JUL-2011 05:22:41	Bright	68.000	76	27Gam Cas	2.3000	30000.	136	48970	No
64	GOM_TRA_1PNPDE20110712_052727_000000603104_00249_48970_2579.N1	12-JUL-2011 05:27:27	Bright	60.000	160	23Gam Per	2.9300	4700.0	120	48970	No
65	GOM_TRA_1PNPDE20110712_052845_000000423104_00249_48970_2580.N1	12-JUL-2011 05:28:45	Bright	42.000	35	33Alp Per	1.7950	6250.0	84	48970	No
66	GOM_TRA_1PNPDE20110712_053137_000000433104_00249_48970_2581.N1	12-JUL-2011 05:31:37	Bright	43.000	79	26Bet Per	2.3100	13100.	86	48970	No
67	GOM_TRA_1PNPDE20110712_053424_000000453104_00249_48970_2582.N1	12-JUL-2011 05:34:24	Bright	44.500	150	44Zet Per	2.8900	28000.	89	48970	No
68	GOM_TRA_1PNPDE20110712_053654_000000453104_00249_48970_2583.N1	12-JUL-2011 05:36:54	Twilight	44.500	146	25Eta Tau	2.8730	15200.	89	48970	No
69	GOM_TRA_1PNPDE20110712_054427_000000553104_00249_48970_2584.N1	12-JUL-2011 05:44:27	Dark	55.000	94	92Alp Cet	2.5260	3100.0	110	48970	No
70	GOM_TRA_1PNPDE20110712_054741_000000433104_00249_48970_2585.N1	12-JUL-2011 05:47:41	Dark	43.000	165	34Gam Eri	2.9500	3200.0	86	48970	No
71	GOM_TRA_1PNPDE20110712_055632_000000443104_00249_48970_2586.N1	12-JUL-2011 05:56:32	Dark	43.500	157	The1Eri	2.9060	9300.0	87	48970	No
72	GOM_TRA_1PNPDE20110712_060241_000000453104_00250_48971_2587.N1	12-JUL-2011 06:02:41	Dark	44.500	9	Alp Eri	0.45300	24000.	89	48971	No
73	GOM_TRA_1PNPDE20110712_060515_000000523104_00250_48971_2588.N1	12-JUL-2011 06:05:15	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	48971	No
74	GOM_TRA_1PNPDE20110712_061114_000000533104_00250_48971_2589.N1	12-JUL-2011 06:11:14	Straylight	52.500	63	Bet Gru	2.1500	2800.0	105	48971	No
75	GOM_TRA_1PNPDE20110712_061254_000000473104_00250_48971_2590.N1	12-JUL-2011 06:12:54	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	48971	No
76	GOM_TRA_1PNPDE20110712_061605_000000523104_00250_48971_2591.N1	12-JUL-2011 06:16:05	Straylight	51.500	172	Gam Gru	3.0030	13100.	103	48971	No
77	GOM_TRA_1PNPDE20110712_062306_000000423104_00250_48971_2592.N1	12-JUL-2011 06:23:06	Bright	42.000	103	38Zet Sgr	2.6000	9700.0	84	48971	No
78	GOM_TRA_1PNPDE20110712_062537_000000403104_00250_48971_2593.N1	12-JUL-2011 06:25:37	Bright	40.000	155	41Pi Sgr	2.9000	6600.0	80	48971	No
79	GOM_TRA_1PNPDK20110712_074256_000000523104_00251_48972_5133.N1	12-JUL-2011 07:42:56	Dark	52.000	9	Alp Eri	0.45300	24000.	104	48972	No
80	GOM_TRA_1PNPDK20110712_074530_000000543104_00251_48972_5134.N1	12-JUL-2011 07:45:30	Dark	53.500	84	Alp Phe	2.3970	4500.0	107	48972	No
81	GOM_TRA_1PNPDK20110712_075129_000000633104_00251_48972_5135.N1	12-JUL-2011 07:51:29	Straylight	63.000	63	Bet Gru	2.1500	2800.0	126	48972	No
82	GOM_TRA_1PNPDK20110712_075309_000000473104_00251_48972_5136.N1	12-JUL-2011 07:53:09	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	48972	No
83	GOM_TRA_1PNPDK20110712_075619_000000523104_00251_48972_5137.N1	12-JUL-2011 07:56:19	Straylight	52.000	172	Gam Gru	3.0030	13100.	104	48972	No
84	GOM_TRA_1PNPDK20110712_080321_000000423104_00251_48972_5138.N1	12-JUL-2011 08:03:21	Bright	42.000	103	38Zet Sgr	2.6000	9700.0	84	48972	No
85	GOM_TRA_1PNPDK20110712_080552_000000403104_00251_48972_5139.N1	12-JUL-2011 08:05:52	Bright	39.500	155	41Pi Sgr	2.9000	6600.0	79	48972	No
86	GOM_TRA_1PNPDK20110712_081644_000000423104_00251_48972_5162.N1	12-JUL-2011 08:16:44	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	48972	No
87	GOM_TRA_1PNPDK20110712_082346_000000413104_00251_48972_5163.N1	12-JUL-2011 08:23:46	Bright	41.000	5	3Alp Lyr	0.033000	11000.	82	48972	No
88	GOM_TRA_1PNPDK20110712_082701_000000383104_00251_48972_5164.N1	12-JUL-2011 08:27:01	Bright	37.500	69	33Gam Dra	2.2310	3800.0	75	48972	No
89	GOM_TRA_1PNPDK20110712_083424_000000433104_00251_48972_5165.N1	12-JUL-2011 08:34:24	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	48972	No
90	GOM_TRA_1PNPDK20110712_084308_000000573104_00251_48972_5166.N1	12-JUL-2011 08:43:08	Bright	56.500	76	27Gam Cas	2.3000	30000.	113	48972	No
91	GOM_TRA_1PNPDK20110712_084755_000000403104_00251_48972_5167.N1	12-JUL-2011 08:47:55	Bright	39.500	160	23Gam Per	2.9300	4700.0	79	48972	No
92	GOM_TRA_1PNPDK20110712_084913_000000393104_00251_48972_5168.N1	12-JUL-2011 08:49:13	Bright	39.000	35	33Alp Per	1.7950	6250.0	78	48972	No
93	GOM_TRA_1PNPDK20110712_085205_000000453104_00251_48972_5169.N1	12-JUL-2011 08:52:05	Bright	44.500	79	26Bet Per	2.3100	13100.	89	48972	No
94	GOM_TRA_1PNPDK20110712_085452_000000453104_00251_48972_5170.N1	12-JUL-2011 08:54:52	Bright	45.000	150	44Zet Per	2.8900	28000.	90	48972	No
95	GOM_TRA_1PNPDK20110712_085722_000000413104_00251_48972_5171.N1	12-JUL-2011 08:57:22	Twilight	41.000	146	25Eta Tau	2.8730	15200.	82	48972	No
96	GOM_TRA_1PNPDK20110712_090457_000000563104_00251_48972_5172.N1	12-JUL-2011 09:04:57	Dark	56.000	94	92Alp Cet	2.5260	3100.0	112	48972	No
97	GOM_TRA_1PNPDK20110712_090810_000000453104_00251_48972_5173.N1	12-JUL-2011 09:08:10	Dark	45.000	165	34Gam Eri	2.9500	3200.0	90	48972	No
98	GOM_TRA_1PNPDK20110712_091701_000000413104_00251_48972_5174.N1	12-JUL-2011 09:17:01	Dark	40.500	157	The1Eri	2.9060	9300.0	81	48972	No
99	GOM_TRA_1PNPDK20110712_092310_000000533104_00252_48973_5175.N1	12-JUL-2011 09:23:10	Dark	53.000	9	Alp Eri	0.45300	24000.	106	48973	No
100	GOM_TRA_1PNPDK20110712_092545_000000543104_00252_48973_5176.N1	12-JUL-2011 09:25:45	Dark	53.500	84	Alp Phe	2.3970	4500.0	107	48973	No
101	GOM_TRA_1PNPDK20110712_093144_000000663104_00252_48973_5177.N1	12-JUL-2011 09:31:44	Straylight	65.500	63	Bet Gru	2.1500	2800.0	131	48973	No
102	GOM_TRA_1PNPDK20110712_093324_000000503104_00252_48973_5178.N1	12-JUL-2011 09:33:24	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	48973	No
103	GOM_TRA_1PNPDK20110712_093634_000000543104_00252_48973_5179.N1	12-JUL-2011 09:36:34	Straylight	54.000	172	Gam Gru	3.0030	13100.	108	48973	No
104	GOM_TRA_1PNPDK20110712_094335_000000423104_00252_48973_5180.N1	12-JUL-2011 09:43:35	Bright	41.500	103	38Zet Sgr	2.6000	9700.0	83	48973	No
105	GOM_TRA_1PNPDK20110712_094606_000000393104_00252_48973_5181.N1	12-JUL-2011 09:46:06	Bright	39.000	155	41Pi Sgr	2.9000	6600.0	78	48973	No
106	GOM_TRA_1PNPDK20110712_095657_000000403104_00252_48973_5197.N1	12-JUL-2011 09:56:57	Bright	40.000	168	17Zet Aql	2.9860	11000.	80	48973	No
107	GOM_TRA_1PNPDK20110712_100400_000000373104_00252_48973_5198.N1	12-JUL-2011 10:04:00	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	48973	No
108	GOM_TRA_1PNPDK20110712_100714_000000353104_00252_48973_5199.N1	12-JUL-2011 10:07:14	Bright	35.000	69	33Gam Dra	2.2310	3800.0	70	48973	No
109	GOM_TRA_1PNPDK20110712_101437_000000433104_00252_48973_5200.N1	12-JUL-2011 10:14:37	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	48973	No
110	GOM_TRA_1PNPDK20110712_102321_000000463104_00252_48973_5201.N1	12-JUL-2011 10:23:21	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	48973	No
111	GOM_TRA_1PNPDK20110712_102809_000000463104_00252_48973_5202.N1	12-JUL-2011 10:28:09	Bright	46.000	160	23Gam Per	2.9300	4700.0	92	48973	No

112	GOM_TRA_1PNPDK20110712_102927_000000403104_00252_48973_5203.N1	12-JUL-2011 10:29:27	Bright	40.000	35	33Alp Per	1.7950	6250.0	80	48973	No
113	GOM_TRA_1PNPDK20110712_103219_000000433104_00252_48973_5204.N1	12-JUL-2011 10:32:19	Bright	43.000	79	26Bet Per	2.3100	13100.	86	48973	No
114	GOM_TRA_1PNPDK20110712_103506_000000423104_00252_48973_5205.N1	12-JUL-2011 10:35:06	Bright	42.000	150	44Zet Per	2.8900	28000.	84	48973	No
115	GOM_TRA_1PNPDK20110712_103736_000000403104_00252_48973_5206.N1	12-JUL-2011 10:37:36	Twilight	39.500	146	25Eta Tau	2.8730	15200.	79	48973	No
116	GOM_TRA_1PNPDK20110712_104511_000000573104_00252_48973_5207.N1	12-JUL-2011 10:45:11	Dark	56.500	94	92Alp Cet	2.5260	3100.0	113	48973	Yes
117	GOM_TRA_1PNPDK20110712_104824_000000453104_00252_48973_5208.N1	12-JUL-2011 10:48:24	Dark	45.000	165	34Gam Eri	2.9500	3200.0	90	48973	Yes
118	GOM_TRA_1PNPDK20110712_105716_000000413104_00252_48973_5209.N1	12-JUL-2011 10:57:16	Dark	41.000	157	The1Eri	2.9060	9300.0	82	48973	Yes
119	GOM_TRA_1PNPDK20110712_110325_000000533104_00253_48974_5210.N1	12-JUL-2011 11:03:25	Dark	52.500	9	Alp Eri	0.45300	24000.	105	48974	Yes
120	GOM_TRA_1PNPDK20110712_110600_000000533104_00253_48974_5211.N1	12-JUL-2011 11:06:00	Dark	52.500	84	Alp Phe	2.3970	4500.0	105	48974	Yes
121	GOM_TRA_1PNPDK20110712_111159_000000543104_00253_48974_5212.N1	12-JUL-2011 11:11:59	Straylight	53.500	63	Bet Gru	2.1500	2800.0	107	48974	Yes
122	GOM_TRA_1PNPDK20110712_111339_000000503104_00253_48974_5213.N1	12-JUL-2011 11:13:39	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	48974	Yes
123	GOM_TRA_1PNPDK20110712_111649_000000543104_00253_48974_5214.N1	12-JUL-2011 11:16:49	Straylight	53.500	172	Gam Gru	3.0030	13100.	107	48974	Yes
124	GOM_TRA_1PNPDK20110712_112349_000000493104_00253_48974_5215.N1	12-JUL-2011 11:23:49	Bright	48.500	103	38Zet Sgr	2.6000	9700.0	97	48974	Yes
125	GOM_TRA_1PNPDK20110712_112620_000000393104_00253_48974_5216.N1	12-JUL-2011 11:26:20	Bright	39.000	155	41Pi Sgr	2.9000	6600.0	78	48974	No
126	GOM_TRA_1PNPDK20110712_113711_000000393104_00253_48974_5233.N1	12-JUL-2011 11:37:11	Bright	39.000	168	17Zet Aql	2.9860	11000.	78	48974	No
127	GOM_TRA_1PNPDK20110712_114413_000000393104_00253_48974_5234.N1	12-JUL-2011 11:44:13	Bright	38.500	5	3Alp Lyr	0.033000	11000.	77	48974	No
128	GOM_TRA_1PNPDK20110712_114728_000000403104_00253_48974_5235.N1	12-JUL-2011 11:47:28	Bright	39.500	69	33Gam Dra	2.2310	3800.0	79	48974	No
129	GOM_TRA_1PNPDK20110712_115450_000000443104_00253_48974_5236.N1	12-JUL-2011 11:54:50	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	48974	No
130	GOM_TRA_1PNPDK20110712_120335_000000483104_00253_48974_5237.N1	12-JUL-2011 12:03:35	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	48974	No
131	GOM_TRA_1PNPDK20110712_120823_000000413104_00253_48974_5238.N1	12-JUL-2011 12:08:23	Bright	40.500	160	23Gam Per	2.9300	4700.0	81	48974	No
132	GOM_TRA_1PNPDK20110712_120941_000000403104_00253_48974_5239.N1	12-JUL-2011 12:09:41	Bright	40.000	35	33Alp Per	1.7950	6250.0	80	48974	No
133	GOM_TRA_1PNPDK20110712_121233_000000433104_00253_48974_5240.N1	12-JUL-2011 12:12:33	Bright	42.500	79	26Bet Per	2.3100	13100.	85	48974	No
134	GOM_TRA_1PNPDK20110712_121520_000000413104_00253_48974_5241.N1	12-JUL-2011 12:15:20	Bright	41.000	150	44Zet Per	2.8900	28000.	82	48974	Yes
135	GOM_TRA_1PNPDK20110712_121750_000000443104_00253_48974_5242.N1	12-JUL-2011 12:17:50	Twilight	44.000	146	25Eta Tau	2.8730	15200.	88	48974	Yes
136	GOM_TRA_1PNPDK20110712_122526_000000573104_00253_48974_5243.N1	12-JUL-2011 12:25:26	Dark	56.500	94	92Alp Cet	2.5260	3100.0	113	48974	Yes
137	GOM_TRA_1PNPDK20110712_122839_000000463104_00253_48974_5244.N1	12-JUL-2011 12:28:39	Dark	45.500	165	34Gam Eri	2.9500	3200.0	91	48974	Yes
138	GOM_TRA_1PNPDK20110712_123730_000000433104_00253_48974_5245.N1	12-JUL-2011 12:37:30	Dark	43.000	157	The1Eri	2.9060	9300.0	86	48974	Yes
139	GOM_TRA_1PNPDK20110712_124339_000000543104_00254_48975_5246.N1	12-JUL-2011 12:43:39	Dark	54.000	9	Alp Eri	0.45300	24000.	108	48975	Yes
140	GOM_TRA_1PNPDK20110712_124615_000000513104_00254_48975_5247.N1	12-JUL-2011 12:46:15	Dark	50.500	84	Alp Phe	2.3970	4500.0	101	48975	Yes
141	GOM_TRA_1PNPDK20110712_125213_000000533104_00254_48975_5248.N1	12-JUL-2011 12:52:13	Straylight	52.500	63	Bet Gru	2.1500	2800.0	105	48975	Yes
142	GOM_TRA_1PNPDK20110712_125353_000000483104_00254_48975_5249.N1	12-JUL-2011 12:53:53	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	48975	Yes
143	GOM_TRA_1PNPDK20110712_125703_000000543104_00254_48975_5250.N1	12-JUL-2011 12:57:03	Straylight	54.000	172	Gam Gru	3.0030	13100.	108	48975	Yes
144	GOM_TRA_1PNPDK20110712_130403_000000423104_00254_48975_5251.N1	12-JUL-2011 13:04:03	Bright	41.500	103	38Zet Sgr	2.6000	9700.0	83	48975	Yes
145	GOM_TRA_1PNPDK20110712_130634_000000403104_00254_48975_5252.N1	12-JUL-2011 13:06:34	Bright	39.500	155	41Pi Sgr	2.9000	6600.0	79	48975	No
146	GOM_TRA_1PNPDK20110712_131725_000000393104_00254_48975_5271.N1	12-JUL-2011 13:17:25	Bright	39.000	168	17Zet Aql	2.9860	11000.	78	48975	No
147	GOM_TRA_1PNPDK20110712_132427_000000363104_00254_48975_5272.N1	12-JUL-2011 13:24:27	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	48975	No
148	GOM_TRA_1PNPDK20110712_132742_000000353104_00254_48975_5273.N1	12-JUL-2011 13:27:42	Bright	34.500	69	33Gam Dra	2.2310	3800.0	69	48975	No
149	GOM_TRA_1PNPDK20110712_133504_000000443104_00254_48975_5274.N1	12-JUL-2011 13:35:04	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	48975	No
150	GOM_TRA_1PNPDK20110712_134348_000000573104_00254_48975_5275.N1	12-JUL-2011 13:43:48	Bright	56.500	76	27Gam Cas	2.3000	30000.	113	48975	No
151	GOM_TRA_1PNPDK20110712_134836_000000413104_00254_48975_5276.N1	12-JUL-2011 13:48:36	Bright	40.500	160	23Gam Per	2.9300	4700.0	81	48975	No
152	GOM_TRA_1PNPDK20110712_134954_000000413104_00254_48975_5277.N1	12-JUL-2011 13:49:54	Bright	41.000	35	33Alp Per	1.7950	6250.0	82	48975	No
153	GOM_TRA_1PNPDK20110712_135247_000000483104_00254_48975_5278.N1	12-JUL-2011 13:52:47	Bright	47.500	79	26Bet Per	2.3100	13100.	95	48975	No
154	GOM_TRA_1PNPDK20110712_135535_000000443104_00254_48975_5279.N1	12-JUL-2011 13:55:35	Bright	43.500	150	44Zet Per	2.8900	28000.	87	48975	Yes
155	GOM_TRA_1PNPDK20110712_135805_000000433104_00254_48975_5280.N1	12-JUL-2011 13:58:05	Twilight	43.000	146	25Eta Tau	2.8730	15200.	86	48975	Yes
156	GOM_TRA_1PNPDK20110712_140540_000000573104_00254_48975_5281.N1	12-JUL-2011 14:05:40	Dark	56.500	94	92Alp Cet	2.5260	3100.0	113	48975	Yes
157	GOM_TRA_1PNPDK20110712_140853_000000463104_00254_48975_5282.N1	12-JUL-2011 14:08:53	Dark	45.500	165	34Gam Eri	2.9500	3200.0	91	48975	Yes
158	GOM_TRA_1PNPDK20110712_141745_000000423104_00254_48975_5283.N1	12-JUL-2011 14:17:45	Dark	41.500	157	The1Eri	2.9060	9300.0	83	48975	Yes
159	GOM_TRA_1PNPDK20110712_142354_000000503104_00255_48976_5284.N1	12-JUL-2011 14:23:54	Dark	50.000	9	Alp Eri	0.45300	24000.	100	48976	Yes
160	GOM_TRA_1PNPDK20110712_142630_000000523104_00255_48976_5285.N1	12-JUL-2011 14:26:30	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	48976	Yes
161	GOM_TRA_1PNPDK20110712_143228_000000523104_00255_48976_5286.N1	12-JUL-2011 14:32:28	Straylight	52.000	63	Bet Gru	2.1500	2800.0	104	48976	Yes
162	GOM_TRA_1PNPDK20110712_143408_000000493104_00255_48976_5287.N1	12-JUL-2011 14:34:08	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	48976	Yes
163	GOM_TRA_1PNPDK20110712_143718_000000543104_00255_48976_5288.N1	12-JUL-2011 14:37:18	Straylight	54.000	172	Gam Gru	3.0030	13100.	108	48976	Yes
164	GOM_TRA_1PNPDK20110712_144417_000000403104_00255_48976_5289.N1	12-JUL-2011 14:44:17	Bright	40.000	103	38Zet Sgr	2.6000	9700.0	80	48976	Yes
165	GOM_TRA_1PNPDK20110712_144648_000000413104_00255_48976_5354.N1	12-JUL-2011 14:46:48	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	48976	No
166	GOM_TRA_1PNPDK20110712_145738_000000413104_00255_48976_5355.N1	12-JUL-2011 14:57:38	Bright	41.000	168	17Zet Aql	2.9860	11000.	82	48976	No
167	GOM_TRA_1PNPDK20110712_150441_000000403104_00255_48976_5356.N1	12-JUL-2011 15:04:41	Bright	40.000	5	3Alp Lyr	0.033000	11000.	80	48976	No
168	GOM_TRA_1PNPDK20110712_150756_000000363104_00255_48976_5357.N1	12-JUL-2011 15:07:56	Bright	35.500	69	33Gam Dra	2.2310	3800.0	71	48976	No
169	GOM_TRA_1PNPDK20110712_151517_000000423104_00255_48976_5358.N1	12-JUL-2011 15:15:17	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	48976	No
170	GOM_TRA_1PNPDK20110712_152402_000000473104_00255_48976_5359.N1	12-JUL-2011 15:24:02	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	48976	No

171	GOM_TRA_1PNPDK20110712_152850_000000553104_00255_48976_5360.N1	12-JUL-2011 15:28:50	Bright	54.500	160	23Gam Per	2.9300	4700.0	109	48976	No
172	GOM_TRA_1PNPDK20110712_153008_000000413104_00255_48976_5361.N1	12-JUL-2011 15:30:08	Bright	40.500	35	33Alp Per	1.7950	6250.0	81	48976	No
173	GOM_TRA_1PNPDK20110712_153301_000000603104_00255_48976_5362.N1	12-JUL-2011 15:33:01	Bright	59.500	79	26Bet Per	2.3100	13100.	119	48976	No
174	GOM_TRA_1PNPDK20110712_153549_000000443104_00255_48976_5363.N1	12-JUL-2011 15:35:49	Bright	43.500	150	44Zet Per	2.8900	28000.	87	48976	Yes
175	GOM_TRA_1PNPDK20110712_153819_000000443104_00255_48976_5364.N1	12-JUL-2011 15:38:19	Twilight	43.500	146	25Eta Tau	2.8730	15200.	87	48976	Yes
176	GOM_TRA_1PNPDK20110712_154555_000000573104_00255_48976_5365.N1	12-JUL-2011 15:45:55	Dark	56.500	94	92Alp Cet	2.5260	3100.0	113	48976	Yes
177	GOM_TRA_1PNPDK20110712_154908_000000443104_00255_48976_5366.N1	12-JUL-2011 15:49:08	Dark	43.500	165	34Gam Eri	2.9500	3200.0	87	48976	Yes
178	GOM_TRA_1PNPDK20110712_155759_000000423104_00255_48976_5367.N1	12-JUL-2011 15:57:59	Dark	41.500	157	The1Eri	2.9060	9300.0	83	48976	Yes
179	GOM_TRA_1PNPDK20110712_160409_000000533104_00256_48977_5368.N1	12-JUL-2011 16:04:09	Dark	52.500	9	Alp Eri	0.45300	24000.	105	48977	Yes
180	GOM_TRA_1PNPDK20110712_160645_000000553104_00256_48977_5369.N1	12-JUL-2011 16:06:45	Dark	54.500	84	Alp Phe	2.3970	4500.0	109	48977	Yes
181	GOM_TRA_1PNPDK20110712_161243_000000503104_00256_48977_5370.N1	12-JUL-2011 16:12:43	Straylight	50.000	63	Bet Gru	2.1500	2800.0	100	48977	Yes
182	GOM_TRA_1PNPDK20110712_161423_000000483104_00256_48977_5371.N1	12-JUL-2011 16:14:23	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	48977	Yes
183	GOM_TRA_1PNPDK20110712_161733_000000523104_00256_48977_5372.N1	12-JUL-2011 16:17:33	Straylight	51.500	172	Gam Gru	3.0030	13100.	103	48977	Yes
184	GOM_TRA_1PNPDK20110712_162432_000000413104_00256_48977_5390.N1	12-JUL-2011 16:24:32	Bright	41.000	103	38Zet Sgr	2.6000	9700.0	82	48977	Yes
185	GOM_TRA_1PNPDK20110712_162702_000000413104_00256_48977_5391.N1	12-JUL-2011 16:27:02	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	48977	No
186	GOM_TRA_1PNPDK20110712_163752_000000423104_00256_48977_5392.N1	12-JUL-2011 16:37:52	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	48977	No
187	GOM_TRA_1PNPDK20110712_164454_000000413104_00256_48977_5393.N1	12-JUL-2011 16:44:54	Bright	40.500	5	3Alp Lyr	0.033000	11000.	81	48977	Yes
188	GOM_TRA_1PNPDK20110712_164810_000000363104_00256_48977_5394.N1	12-JUL-2011 16:48:10	Bright	36.000	69	33Gam Dra	2.2310	3800.0	72	48977	No
189	GOM_TRA_1PNPDK20110712_165531_000000433104_00256_48977_5395.N1	12-JUL-2011 16:55:31	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	48977	Yes
190	GOM_TRA_1PNPDK20110712_170415_000000463104_00256_48977_5396.N1	12-JUL-2011 17:04:15	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	48977	Yes
191	GOM_TRA_1PNPDK20110712_170904_000000393104_00256_48977_5397.N1	12-JUL-2011 17:09:04	Bright	39.000	160	23Gam Per	2.9300	4700.0	78	48977	Yes
192	GOM_TRA_1PNPDK20110712_171022_000000423104_00256_48977_5398.N1	12-JUL-2011 17:10:22	Bright	41.500	35	33Alp Per	1.7950	6250.0	83	48977	Yes
193	GOM_TRA_1PNPDK20110712_171315_000000563104_00256_48977_5399.N1	12-JUL-2011 17:13:15	Bright	55.500	79	26Bet Per	2.3100	13100.	111	48977	Yes
194	GOM_TRA_1PNPDK20110712_171603_000000453104_00256_48977_5400.N1	12-JUL-2011 17:16:03	Bright	45.000	150	44Zet Per	2.8900	28000.	90	48977	Yes
195	GOM_TRA_1PNPDK20110712_171833_000000443104_00256_48977_5401.N1	12-JUL-2011 17:18:33	Twilight	44.000	146	25Eta Tau	2.8730	15200.	88	48977	Yes
196	GOM_TRA_1PNPDK20110712_172610_000000553104_00256_48977_5402.N1	12-JUL-2011 17:26:10	Dark	54.500	94	92Alp Cet	2.5260	3100.0	109	48977	Yes
197	GOM_TRA_1PNPDK20110712_172922_000000453104_00256_48977_5403.N1	12-JUL-2011 17:29:22	Dark	45.000	165	34Gam Eri	2.9500	3200.0	90	48977	Yes
198	GOM_TRA_1PNPDK20110712_173814_000000423104_00256_48977_5404.N1	12-JUL-2011 17:38:14	Dark	41.500	157	The1Eri	2.9060	9300.0	83	48977	Yes
199	GOM_TRA_1PNPDK20110712_174423_000000473104_00257_48978_5405.N1	12-JUL-2011 17:44:23	Dark	46.500	9	Alp Eri	0.45300	24000.	93	48978	Yes
200	GOM_TRA_1PNPDK20110712_174701_000000543104_00257_48978_5406.N1	12-JUL-2011 17:47:01	Dark	54.000	84	Alp Phe	2.3970	4500.0	108	48978	Yes
201	GOM_TRA_1PNPDK20110712_175258_000000503104_00257_48978_5407.N1	12-JUL-2011 17:52:58	Straylight	49.500	63	Bet Gru	2.1500	2800.0	99	48978	Yes
202	GOM_TRA_1PNPDK20110712_175437_000000483104_00257_48978_5408.N1	12-JUL-2011 17:54:37	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	48978	Yes
203	GOM_TRA_1PNPDK20110712_175748_000000523104_00257_48978_5409.N1	12-JUL-2011 17:57:48	Straylight	52.000	172	Gam Gru	3.0030	13100.	104	48978	Yes
204	GOM_TRA_1PNPDK20110712_180446_000000433104_00257_48978_5451.N1	12-JUL-2011 18:04:46	Bright	43.000	103	38Zet Sgr	2.6000	9700.0	86	48978	Yes
205	GOM_TRA_1PNPDK20110712_180716_000000413104_00257_48978_5452.N1	12-JUL-2011 18:07:16	Bright	41.000	155	41Pi Sgr	2.9000	6600.0	82	48978	No
206	GOM_TRA_1PNPDK20110712_181806_000000423104_00257_48978_5453.N1	12-JUL-2011 18:18:06	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	48978	Yes
207	GOM_TRA_1PNPDK20110712_182508_000000393104_00257_48978_5454.N1	12-JUL-2011 18:25:08	Bright	38.500	5	3Alp Lyr	0.033000	11000.	77	48978	Yes
208	GOM_TRA_1PNPDK20110712_182824_000000393104_00257_48978_5455.N1	12-JUL-2011 18:28:24	Bright	38.500	69	33Gam Dra	2.2310	3800.0	77	48978	Yes
209	GOM_TRA_1PNPDK20110712_183544_000000453104_00257_48978_5456.N1	12-JUL-2011 18:35:44	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	48978	Yes
210	GOM_TRA_1PNPDK20110712_184429_000000483104_00257_48978_5457.N1	12-JUL-2011 18:44:29	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	48978	Yes
211	GOM_TRA_1PNPDK20110712_184918_000000603104_00257_48978_5458.N1	12-JUL-2011 18:49:18	Bright	60.000	160	23Gam Per	2.9300	4700.0	120	48978	Yes
212	GOM_TRA_1PNPDK20110712_185036_000000593104_00257_48978_5459.N1	12-JUL-2011 18:50:36	Bright	59.000	35	33Alp Per	1.7950	6250.0	118	48978	Yes
213	GOM_TRA_1PNPDK20110712_185329_000000593104_00257_48978_5460.N1	12-JUL-2011 18:53:29	Bright	59.000	79	26Bet Per	2.3100	13100.	118	48978	Yes
214	GOM_TRA_1PNPDK20110712_185617_000000453104_00257_48978_5461.N1	12-JUL-2011 18:56:17	Bright	45.000	150	44Zet Per	2.8900	28000.	90	48978	Yes
215	GOM_TRA_1PNPDK20110712_185847_000000463104_00257_48978_5462.N1	12-JUL-2011 18:58:47	Twilight	45.500	146	25Eta Tau	2.8730	15200.	91	48978	Yes
216	GOM_TRA_1PNPDK20110712_190624_000000573104_00257_48978_5463.N1	12-JUL-2011 19:06:24	Dark	57.000	94	92Alp Cet	2.5260	3100.0	114	48978	Yes
217	GOM_TRA_1PNPDK20110712_190937_000000473104_00257_48978_5464.N1	12-JUL-2011 19:09:37	Dark	46.500	165	34Gam Eri	2.9500	3200.0	93	48978	Yes
218	GOM_TRA_1PNPDK20110712_191829_000000403104_00257_48978_5465.N1	12-JUL-2011 19:18:29	Dark	40.000	157	The1Eri	2.9060	9300.0	80	48978	Yes
219	GOM_TRA_1PNPDK20110712_192438_000000453104_00258_48979_5466.N1	12-JUL-2011 19:24:38	Dark	44.500	9	Alp Eri	0.45300	24000.	89	48979	Yes
220	GOM_TRA_1PNPDK20110712_192716_000000573104_00258_48979_5467.N1	12-JUL-2011 19:27:16	Dark	57.000	84	Alp Phe	2.3970	4500.0	114	48979	Yes
221	GOM_TRA_1PNPDK20110712_193313_000000633104_00258_48979_5468.N1	12-JUL-2011 19:33:13	Straylight	62.500	63	Bet Gru	2.1500	2800.0	125	48979	Yes
222	GOM_TRA_1PNPDK20110712_193452_000000473104_00258_48979_5469.N1	12-JUL-2011 19:34:52	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	48979	Yes
223	GOM_TRA_1PNPDK20110712_193803_000000513104_00258_48979_5495.N1	12-JUL-2011 19:38:03	Straylight	51.000	172	Gam Gru	3.0030	13100.	102	48979	Yes
224	GOM_TRA_1PNPDK20110712_194500_000000423104_00258_48979_5496.N1	12-JUL-2011 19:45:00	Bright	42.000	103	38Zet Sgr	2.6000	9700.0	84	48979	Yes
225	GOM_TRA_1PNPDK20110712_194731_000000413104_00258_48979_5497.N1	12-JUL-2011 19:47:31	Bright	40.500	155	41Pi Sgr	2.9000	6600.0	81	48979	Yes
226	GOM_TRA_1PNPDK20110712_200522_000000423104_00258_48979_5498.N1	12-JUL-2011 20:05:22	Bright	41.500	5	3Alp Lyr	0.033000	11000.	83	48979	Yes
227	GOM_TRA_1PNPDK20110712_200838_000000403104_00258_48979_5499.N1	12-JUL-2011 20:08:38	Bright	39.500	69	33Gam Dra	2.2310	3800.0	79	48979	Yes
228	GOM_TRA_1PNPDK20110712_201558_000000433104_00258_48979_5500.N1	12-JUL-2011 20:15:58	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	48979	Yes
229	GOM_TRA_1PNPDK20110712_202442_000000693104_00258_48979_5501.N1	12-JUL-2011 20:24:42	Bright	69.000	76	27Gam Cas	2.3000	30000.	138	48979	Yes

230	GOM_TRA_1PNPDK20110712_202932_000000403104_00258_48979_5502.N1	12-JUL-2011 20:29:32	Bright	40.000	160	23Gam Per	2.9300	4700.0	80	48979	Yes
231	GOM_TRA_1PNPDK20110712_203050_000000413104_00258_48979_5503.N1	12-JUL-2011 20:30:50	Bright	40.500	35	33Alp Per	1.7950	6250.0	81	48979	Yes
232	GOM_TRA_1PNPDK20110712_203343_000000463104_00258_48979_5504.N1	12-JUL-2011 20:33:43	Bright	45.500	79	26Bet Per	2.3100	13100.	91	48979	Yes
233	GOM_TRA_1PNPDK20110712_203631_000000443104_00258_48979_5505.N1	12-JUL-2011 20:36:31	Bright	44.000	150	44Zet Per	2.8900	28000.	88	48979	Yes
234	GOM_TRA_1PNPDK20110712_203901_000000433104_00258_48979_5506.N1	12-JUL-2011 20:39:01	Twilight	43.000	146	25Eta Tau	2.8730	15200.	86	48979	Yes
235	GOM_TRA_1PNPDK20110712_204639_000000583104_00258_48979_5507.N1	12-JUL-2011 20:46:39	Dark	57.500	94	92Alp Cet	2.5260	3100.0	115	48979	Yes
236	GOM_TRA_1PNPDK20110712_204951_000000443104_00258_48979_5508.N1	12-JUL-2011 20:49:51	Dark	44.000	165	34Gam Eri	2.9500	3200.0	88	48979	Yes
237	GOM_TRA_1PNPDK20110712_205843_000000393104_00258_48979_5509.N1	12-JUL-2011 20:58:43	Dark	38.500	157	The1Eri	2.9060	9300.0	77	48979	Yes
238	GOM_TRA_1PNPDK20110712_210452_000000543104_00259_48980_5510.N1	12-JUL-2011 21:04:52	Dark	53.500	9	Alp Eri	0.45300	24000.	107	48980	Yes
239	GOM_TRA_1PNPDK20110712_210731_000000523104_00259_48980_5511.N1	12-JUL-2011 21:07:31	Dark	51.500	84	Alp Phe	2.3970	4500.0	103	48980	Yes
240	GOM_TRA_1PNPDK20110712_211328_000000643104_00259_48980_5512.N1	12-JUL-2011 21:13:28	Straylight	63.500	63	Bet Gru	2.1500	2800.0	127	48980	Yes
241	GOM_TRA_1PNPDK20110712_211507_000000473104_00259_48980_5513.N1	12-JUL-2011 21:15:07	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	48980	Yes
242	GOM_TRA_1PNPDE20110712_211817_000000533104_00259_48980_2690.N1	12-JUL-2011 21:18:17	Straylight	52.500	172	Gam Gru	3.0030	13100.	105	48980	Yes
243	GOM_TRA_1PNPDE20110712_212514_000000443104_00259_48980_2691.N1	12-JUL-2011 21:25:14	Bright	44.000	103	38Zet Sgr	2.6000	9700.0	88	48980	Yes
244	GOM_TRA_1PNPDE20110712_212745_000000403104_00259_48980_2692.N1	12-JUL-2011 21:27:45	Bright	40.000	155	41Pi Sgr	2.9000	6600.0	80	48980	Yes
245	GOM_TRA_1PNPDE20110712_214536_000000373104_00259_48980_2693.N1	12-JUL-2011 21:45:36	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	48980	Yes
246	GOM_TRA_1PNPDE20110712_214852_000000403104_00259_48980_2694.N1	12-JUL-2011 21:48:52	Bright	39.500	69	33Gam Dra	2.2310	3800.0	79	48980	Yes
247	GOM_TRA_1PNPDE20110712_215611_000000443104_00259_48980_2695.N1	12-JUL-2011 21:56:11	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	48980	Yes
248	GOM_TRA_1PNPDE20110712_220456_000000463104_00259_48980_2696.N1	12-JUL-2011 22:04:56	Bright	46.000	76	27Gam Cas	2.3000	30000.	92	48980	Yes
249	GOM_TRA_1PNPDE20110712_220945_000000603104_00259_48980_2697.N1	12-JUL-2011 22:09:45	Bright	60.000	160	23Gam Per	2.9300	4700.0	120	48980	Yes
250	GOM_TRA_1PNPDE20110712_221104_000000413104_00259_48980_2698.N1	12-JUL-2011 22:11:04	Bright	41.000	35	33Alp Per	1.7950	6250.0	82	48980	Yes
251	GOM_TRA_1PNPDE20110712_221357_000000473104_00259_48980_2699.N1	12-JUL-2011 22:13:57	Bright	46.500	79	26Bet Per	2.3100	13100.	93	48980	Yes
252	GOM_TRA_1PNPDE20110712_221645_000000453104_00259_48980_2700.N1	12-JUL-2011 22:16:45	Bright	45.000	150	44Zet Per	2.8900	28000.	90	48980	Yes
253	GOM_TRA_1PNPDE20110712_221916_000000463104_00259_48980_2701.N1	12-JUL-2011 22:19:16	Twilight	45.500	146	25Eta Tau	2.8730	15200.	91	48980	Yes
254	GOM_TRA_1PNPDE20110712_222654_000000553104_00259_48980_2702.N1	12-JUL-2011 22:26:54	Dark	54.500	94	92Alp Cet	2.5260	3100.0	109	48980	Yes
255	GOM_TRA_1PNPDE20110712_223005_000000453104_00259_48980_2710.N1	12-JUL-2011 22:30:05	Dark	44.500	165	34Gam Eri	2.9500	3200.0	89	48980	Yes
256	GOM_TRA_1PNPDE20110712_223858_000000423104_00259_48980_2711.N1	12-JUL-2011 22:38:58	Dark	42.000	157	The1Eri	2.9060	9300.0	84	48980	Yes
257	GOM_TRA_1PNPDE20110712_224507_000000493104_00260_48981_2712.N1	12-JUL-2011 22:45:07	Dark	49.000	9	Alp Eri	0.45300	24000.	98	48981	Yes
258	GOM_TRA_1PNPDE20110712_224746_000000513104_00260_48981_2713.N1	12-JUL-2011 22:47:46	Dark	51.000	84	Alp Phe	2.3970	4500.0	102	48981	Yes
259	GOM_TRA_1PNPDE20110712_225342_000000633104_00260_48981_2714.N1	12-JUL-2011 22:53:42	Straylight	63.000	63	Bet Gru	2.1500	2800.0	126	48981	Yes
260	GOM_TRA_1PNPDE20110712_225522_000000493104_00260_48981_2715.N1	12-JUL-2011 22:55:22	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	48981	Yes
261	GOM_TRA_1PNPDE20110712_225832_000000553104_00260_48981_2716.N1	12-JUL-2011 22:58:32	Straylight	54.500	172	Gam Gru	3.0030	13100.	109	48981	Yes
262	GOM_TRA_1PNPDE20110712_230528_000000423104_00260_48981_2717.N1	12-JUL-2011 23:05:28	Bright	42.000	103	38Zet Sgr	2.6000	9700.0	84	48981	Yes
263	GOM_TRA_1PNPDE20110712_230759_000000393104_00260_48981_2718.N1	12-JUL-2011 23:07:59	Bright	38.500	155	41Pi Sgr	2.9000	6600.0	77	48981	Yes
264	GOM_TRA_1PNPDE20110712_231847_000000393104_00260_48981_2719.N1	12-JUL-2011 23:18:47	Bright	39.000	168	17Zet Aql	2.9860	11000.	78	48981	Yes
265	GOM_TRA_1PNPDE20110712_232550_000000373104_00260_48981_2720.N1	12-JUL-2011 23:25:50	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	48981	Yes
266	GOM_TRA_1PNPDE20110712_232905_000000383104_00260_48981_2721.N1	12-JUL-2011 23:29:05	Bright	37.500	69	33Gam Dra	2.2310	3800.0	75	48981	Yes
267	GOM_TRA_1PNPDE20110712_233624_000000453104_00260_48981_2722.N1	12-JUL-2011 23:36:24	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	48981	Yes
268	GOM_TRA_1PNPDE20110712_234509_000000603104_00260_48981_2723.N1	12-JUL-2011 23:45:09	Bright	59.500	76	27Gam Cas	2.3000	30000.	119	48981	Yes
269	GOM_TRA_1PNPDE20110712_234959_000000603104_00260_48981_2724.N1	12-JUL-2011 23:49:59	Bright	59.500	160	23Gam Per	2.9300	4700.0	119	48981	Yes
270	GOM_TRA_1PNPDE20110712_235118_000000593104_00260_48981_2725.N1	12-JUL-2011 23:51:18	Bright	59.000	35	33Alp Per	1.7950	6250.0	118	48981	Yes
271	GOM_TRA_1PNPDE20110712_235411_000000443104_00260_48981_2726.N1	12-JUL-2011 23:54:11	Bright	44.000	79	26Bet Per	2.3100	13100.	88	48981	Yes
272	GOM_TRA_1PNPDE20110712_235659_000000443104_00260_48981_2727.N1	12-JUL-2011 23:56:59	Bright	44.000	150	44Zet Per	2.8900	28000.	88	48981	Yes
273	GOM_TRA_1PNPDE20110712_235930_000000443104_00260_48981_2728.N1	12-JUL-2011 23:59:30	Twilight	43.500	146	25Eta Tau	2.8730	15200.	87	48981	Yes

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).

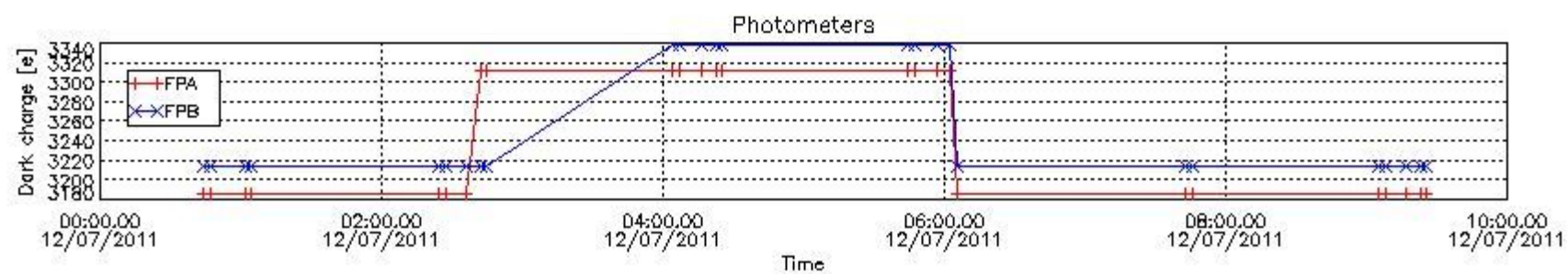
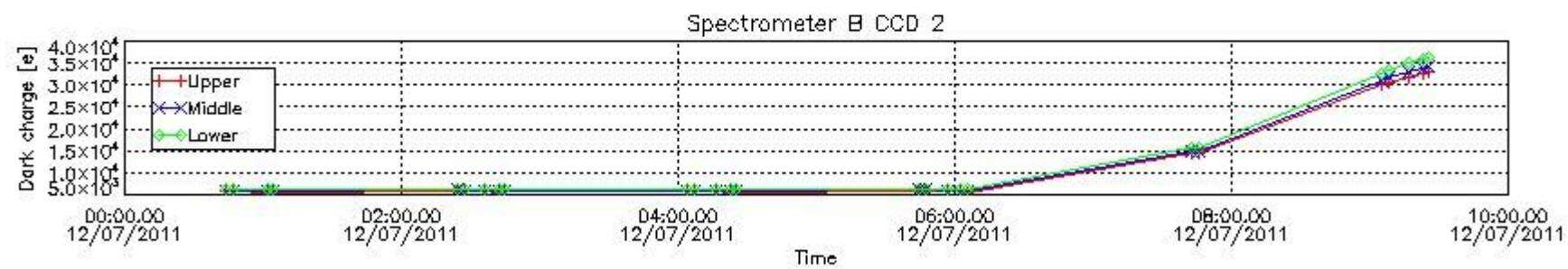
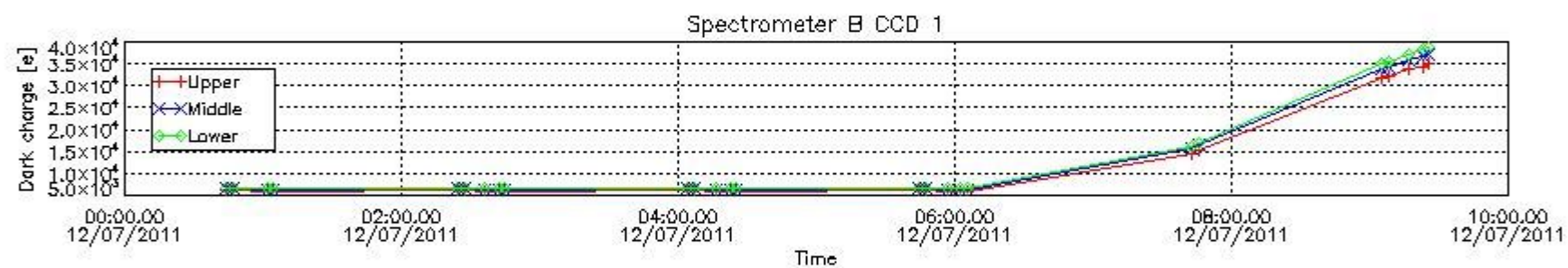
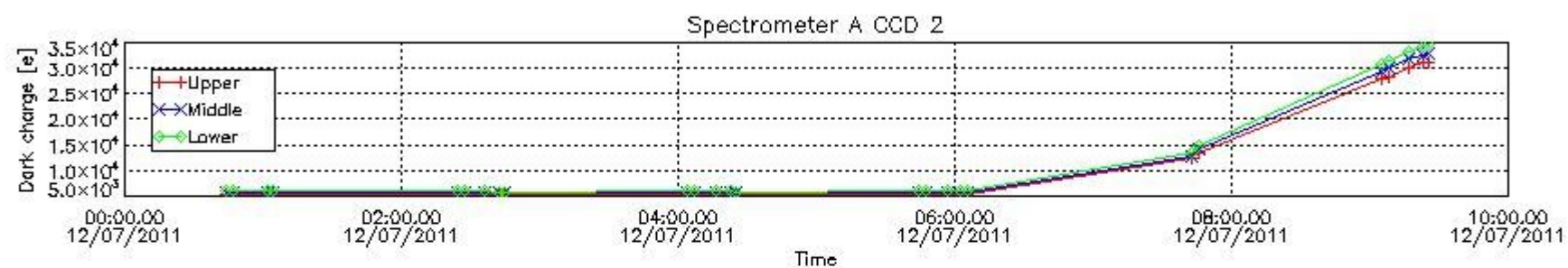
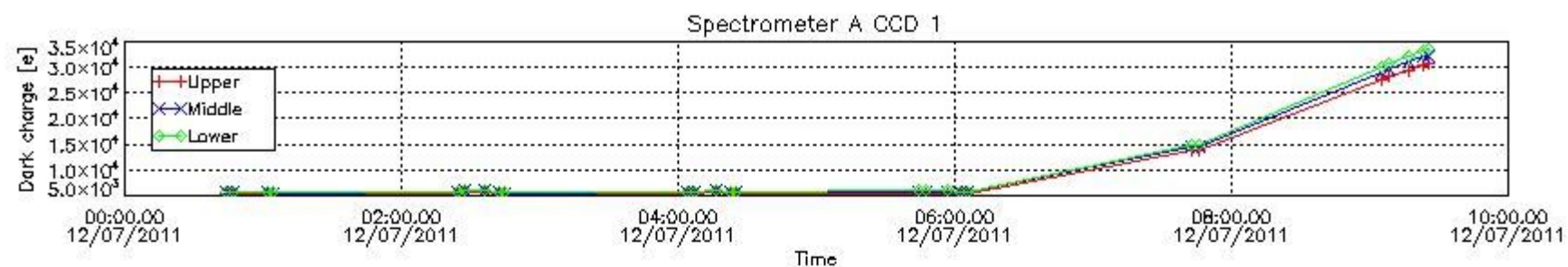
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDK20110712_074256_000000523104_00251_48972_5133.N1	DC map used
GOM_TRA_1PNPDK20110712_074530_000000543104_00251_48972_5134.N1	DC map used
GOM_TRA_1PNPDK20110712_075129_000000633104_00251_48972_5135.N1	DC map used
GOM_TRA_1PNPDK20110712_075309_000000473104_00251_48972_5136.N1	DC map used
GOM_TRA_1PNPDK20110712_075619_000000523104_00251_48972_5137.N1	DC map used
GOM_TRA_1PNPDK20110712_080321_000000423104_00251_48972_5138.N1	DC map used
GOM_TRA_1PNPDK20110712_080552_000000403104_00251_48972_5139.N1	DC map used
GOM_TRA_1PNPDE20110712_211817_000000533104_00259_48980_2690.N1	DC map with no T dep.
GOM_TRA_1PNPDE20110712_212514_000000443104_00259_48980_2691.N1	DC map used
GOM_TRA_1PNPDE20110712_212745_000000403104_00259_48980_2692.N1	DC map used
GOM_TRA_1PNPDE20110712_214536_000000373104_00259_48980_2693.N1	DC map used
GOM_TRA_1PNPDE20110712_214852_000000403104_00259_48980_2694.N1	DC map used
GOM_TRA_1PNPDE20110712_215611_000000443104_00259_48980_2695.N1	DC map used
GOM_TRA_1PNPDE20110712_220456_000000463104_00259_48980_2696.N1	DC map used

GOM_TRA_1PNPDE20110712_220945_000000603104_00259_48980_2697.N1	DC map used
GOM_TRA_1PNPDE20110712_221104_000000413104_00259_48980_2698.N1	DC map used
GOM_TRA_1PNPDE20110712_221357_000000473104_00259_48980_2699.N1	DC map used
GOM_TRA_1PNPDE20110712_221645_000000453104_00259_48980_2700.N1	DC map used
GOM_TRA_1PNPDE20110712_221916_000000463104_00259_48980_2701.N1	DC map used
GOM_TRA_1PNPDE20110712_222654_000000553104_00259_48980_2702.N1	DC map used

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



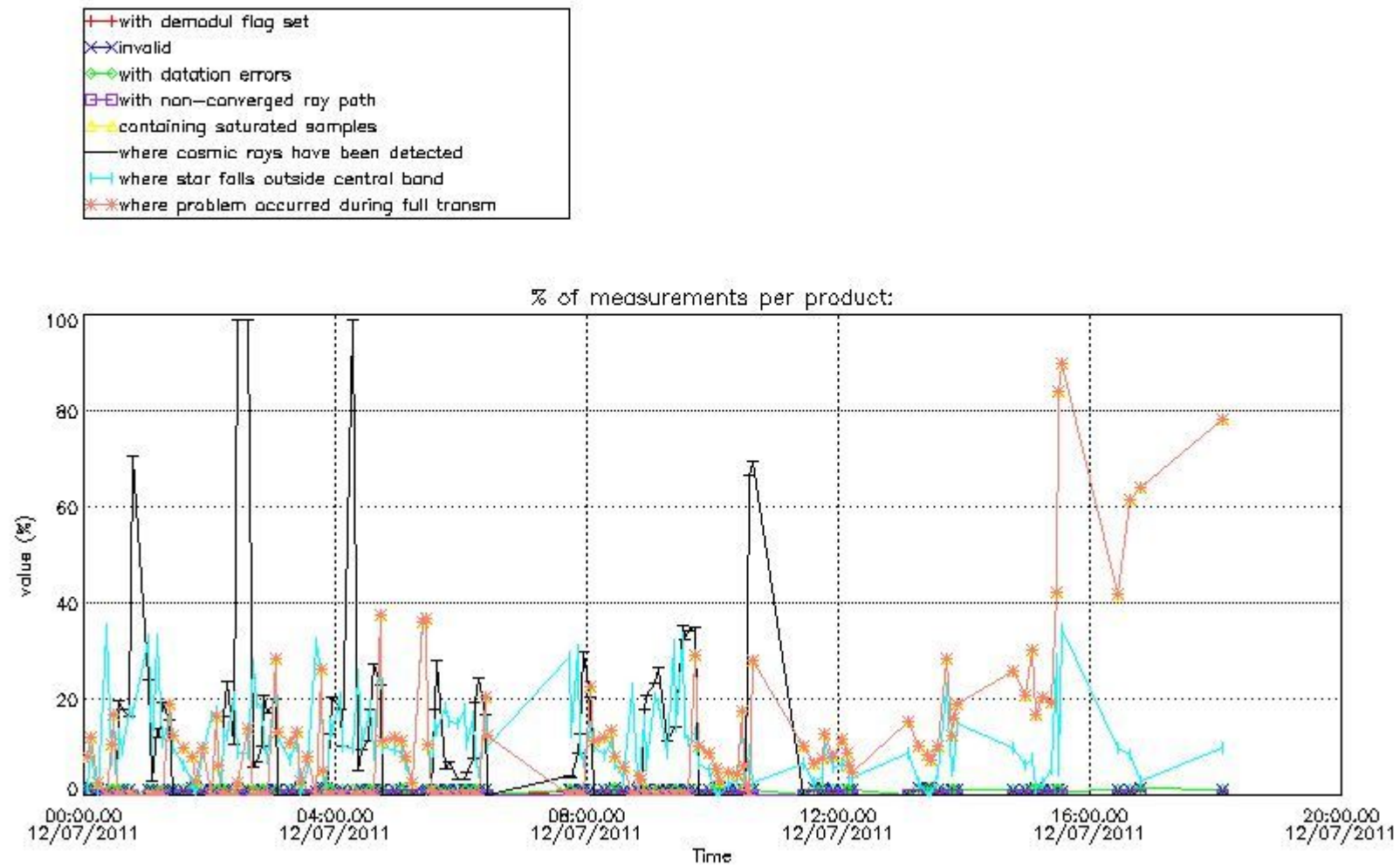
5. Demodulation flag and quality information monitoring

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.

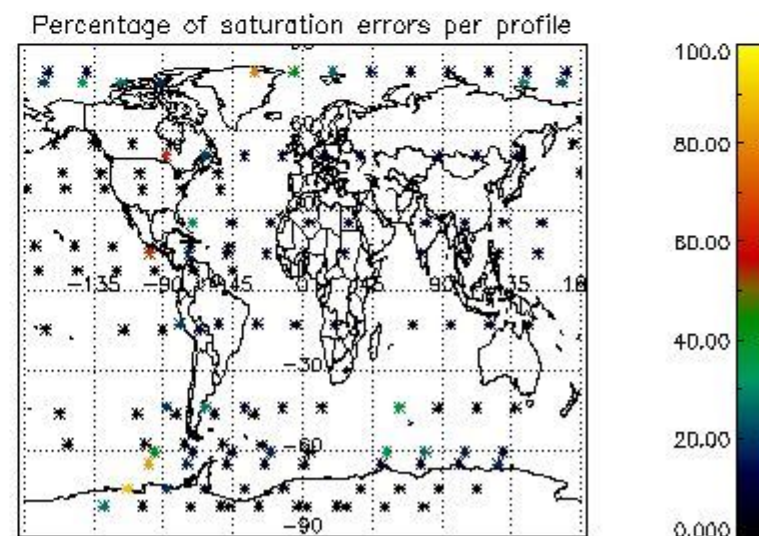
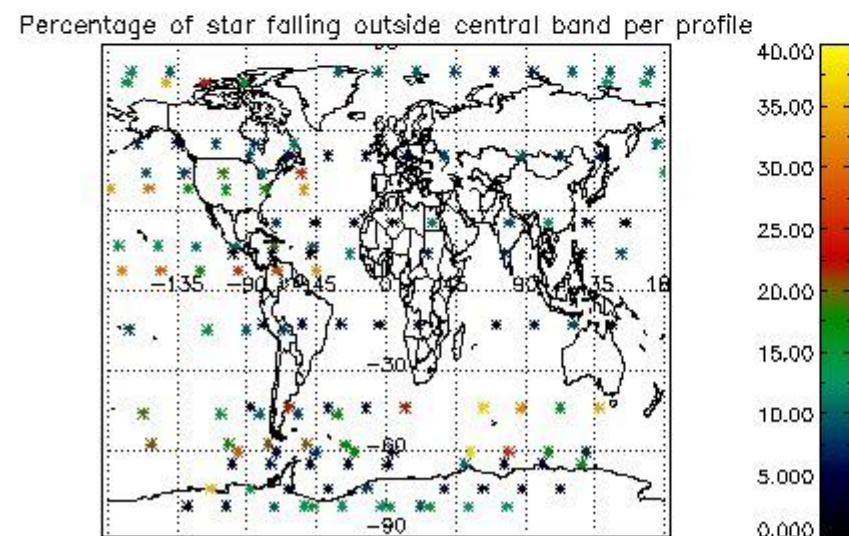
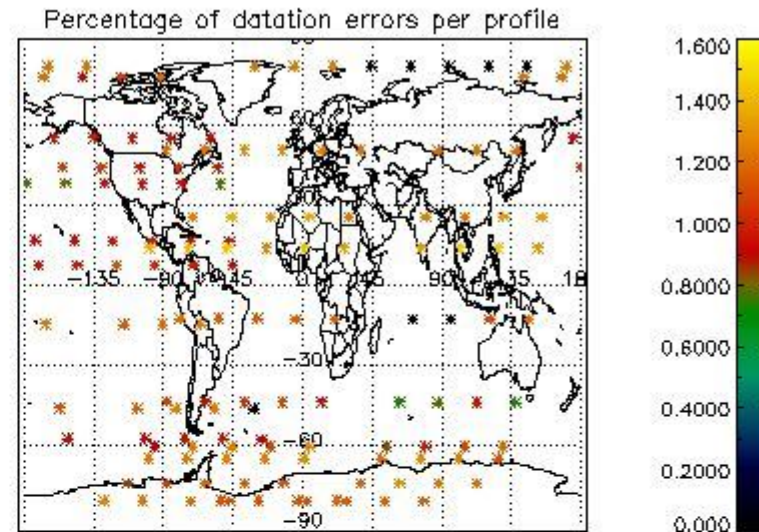
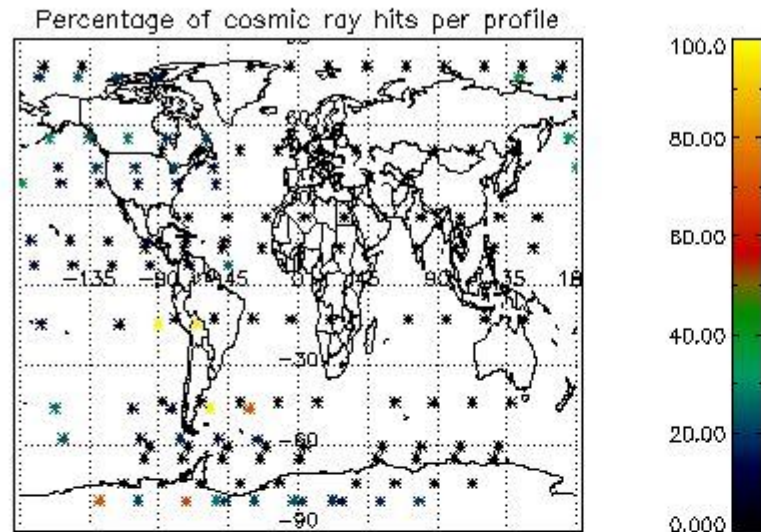
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	34.2466 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	65.7534 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



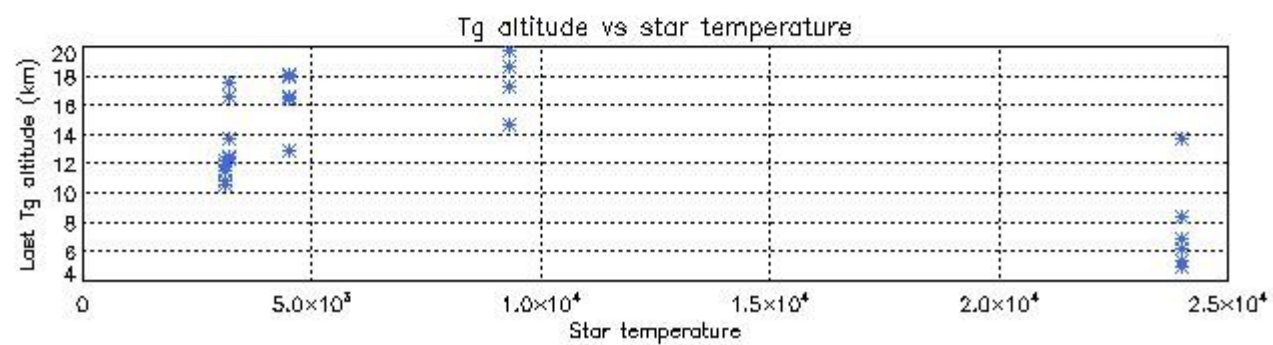
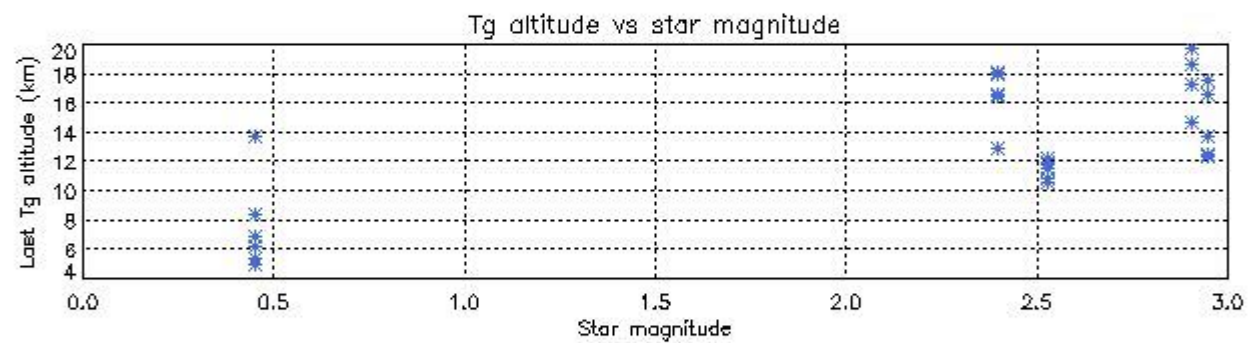
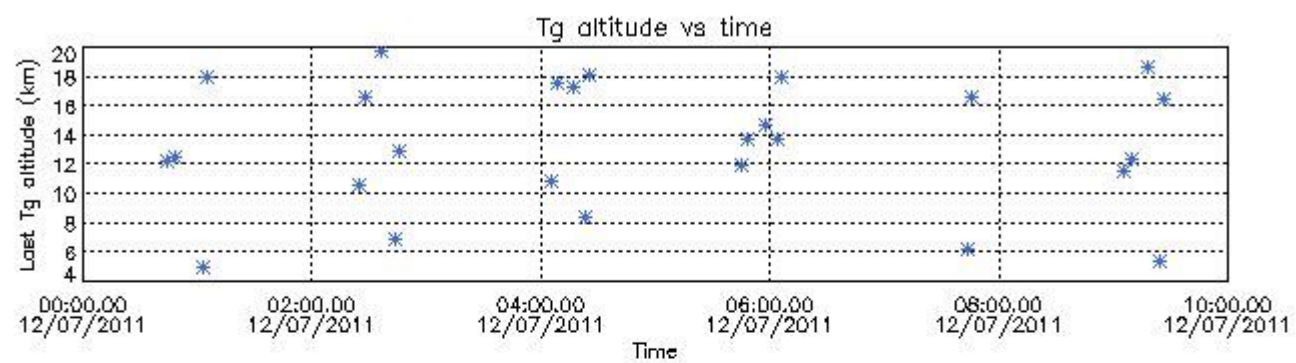
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.283	18.997	17.364
St. deviation:	4.3493	5.6111	3.3014
Maximum:	19.676	28.729	22.813
Minimum:	4.9195	3.7600	14.578
Number of data:	26.000	96.000	6.0000

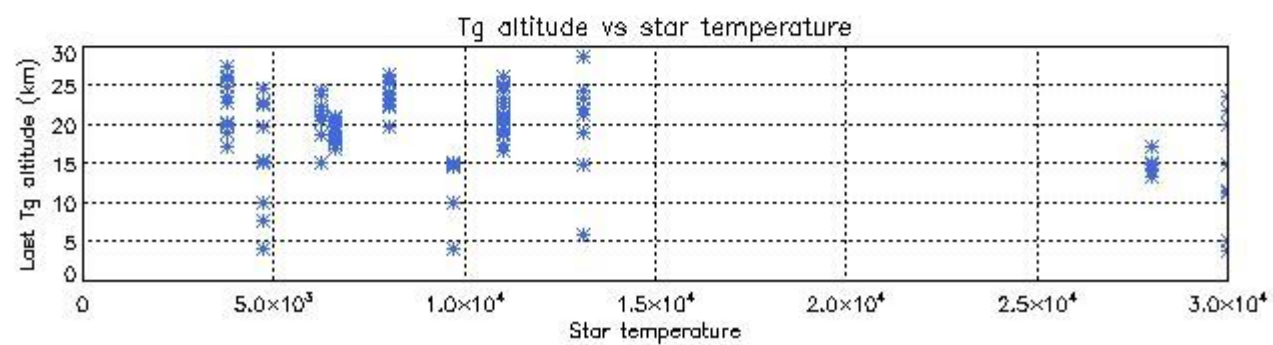
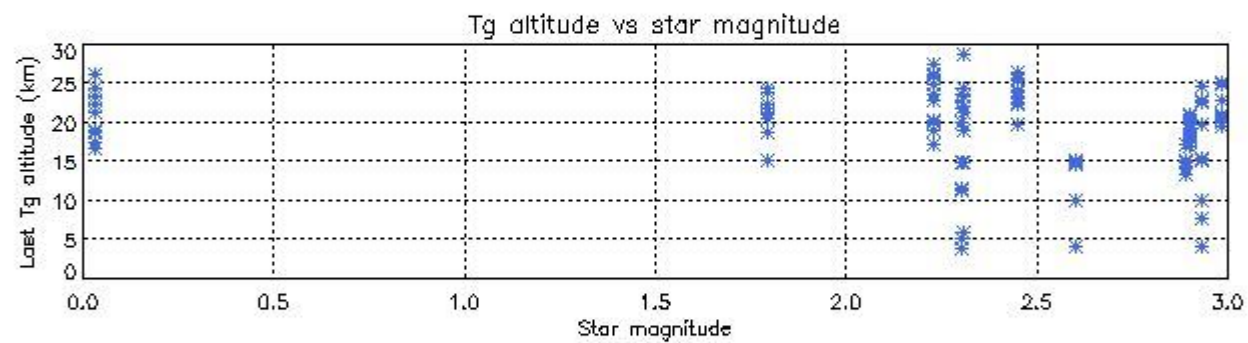
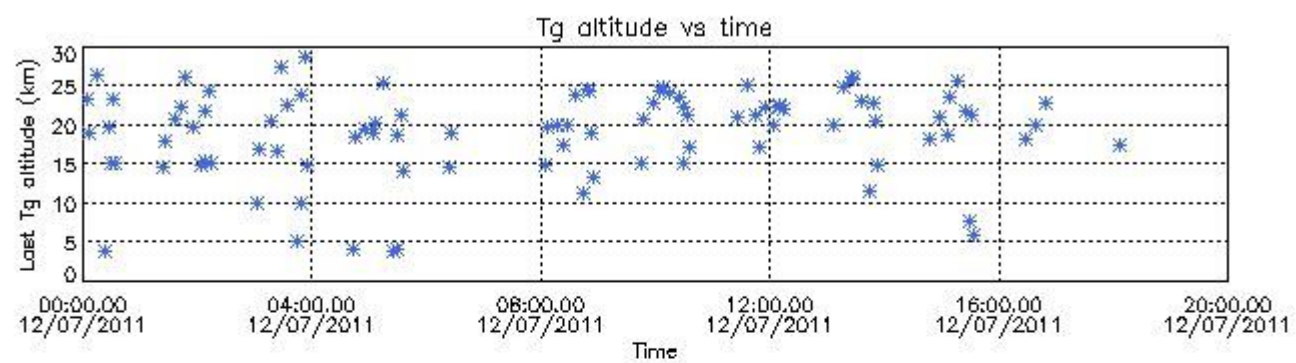
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



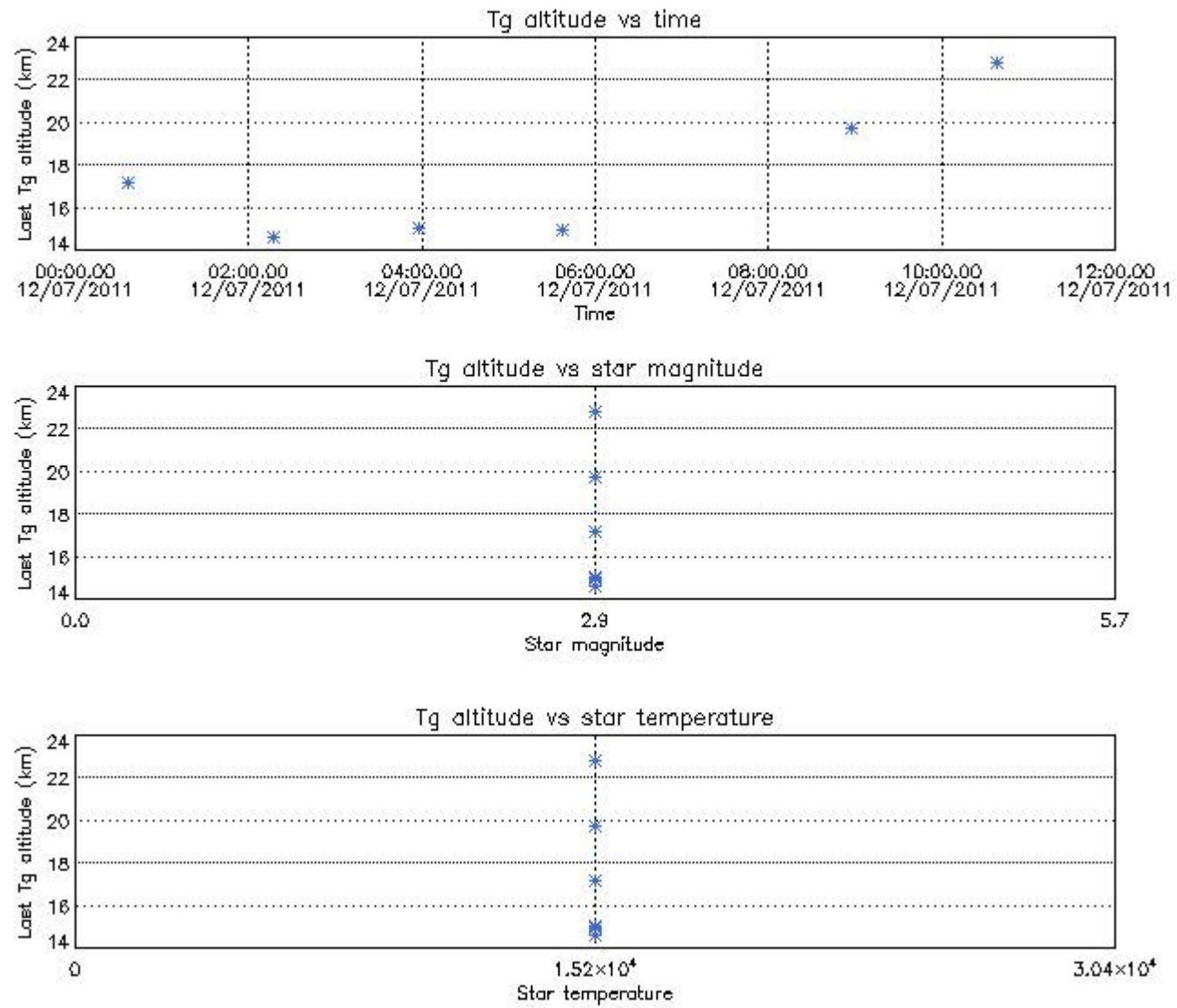
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

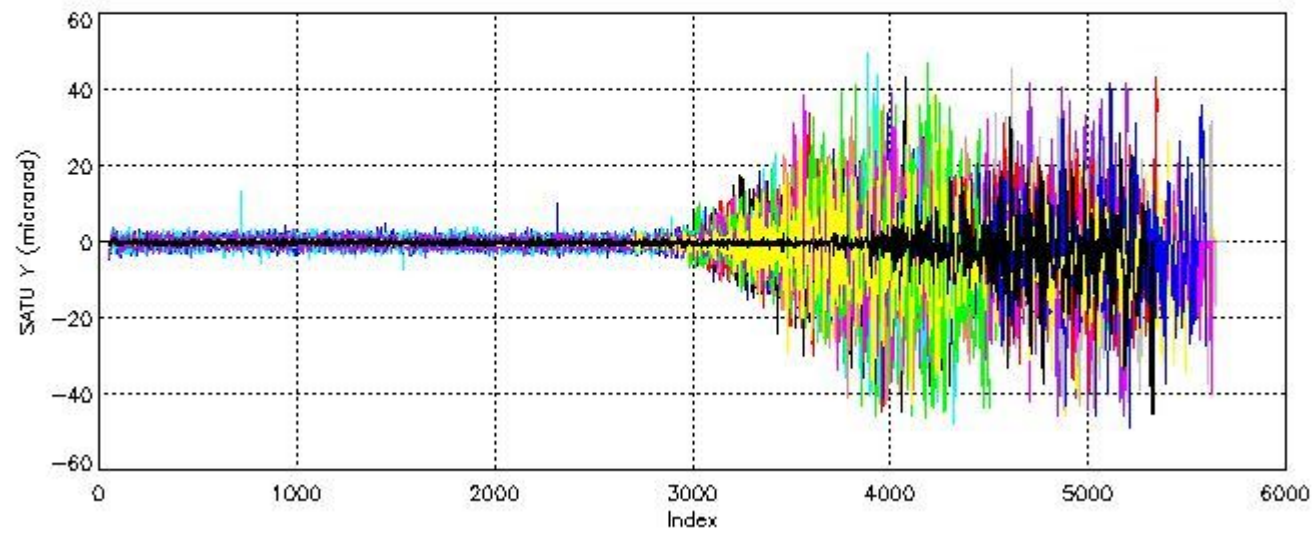
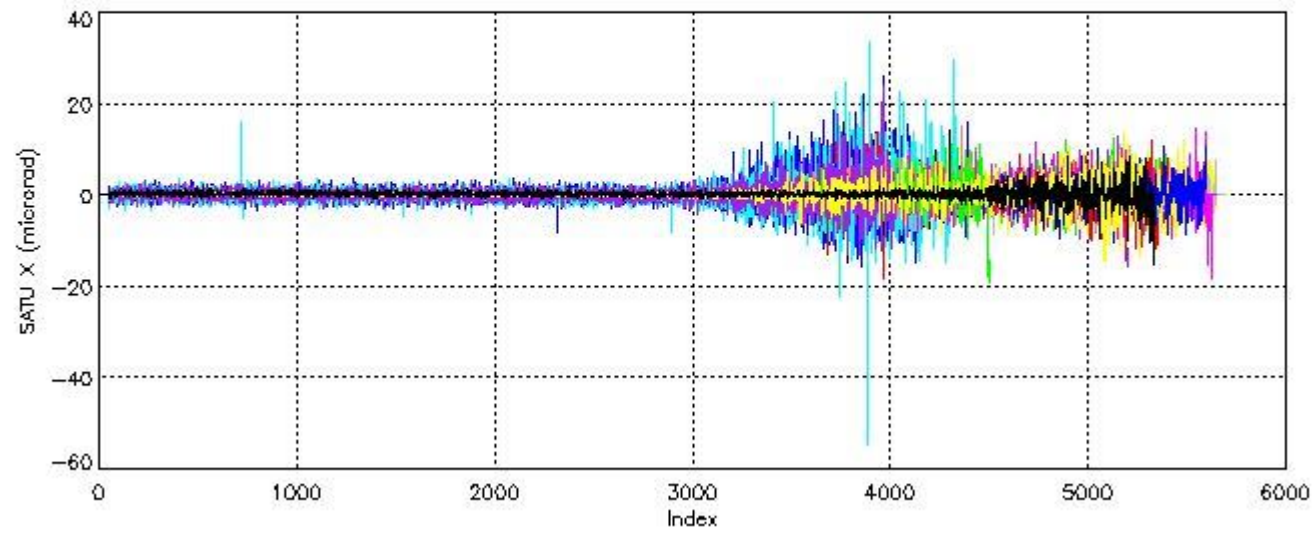


7. Star Acquisition and Tracking Unit (SATU)

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:	0.16256	-0.22998	0.17539	-0.24957
St. deviation:	0.40731	0.50129	0.81067	0.94858
Maximum:	15.900	13.100	8.0000	8.9000
Minimum:	-5.1000	-6.0000	-5.9000	-23.600

Number of data:	26700.	26700.	92400.	92400.
90Percentile:	0.70000	0.30000	1.3000	1.0000

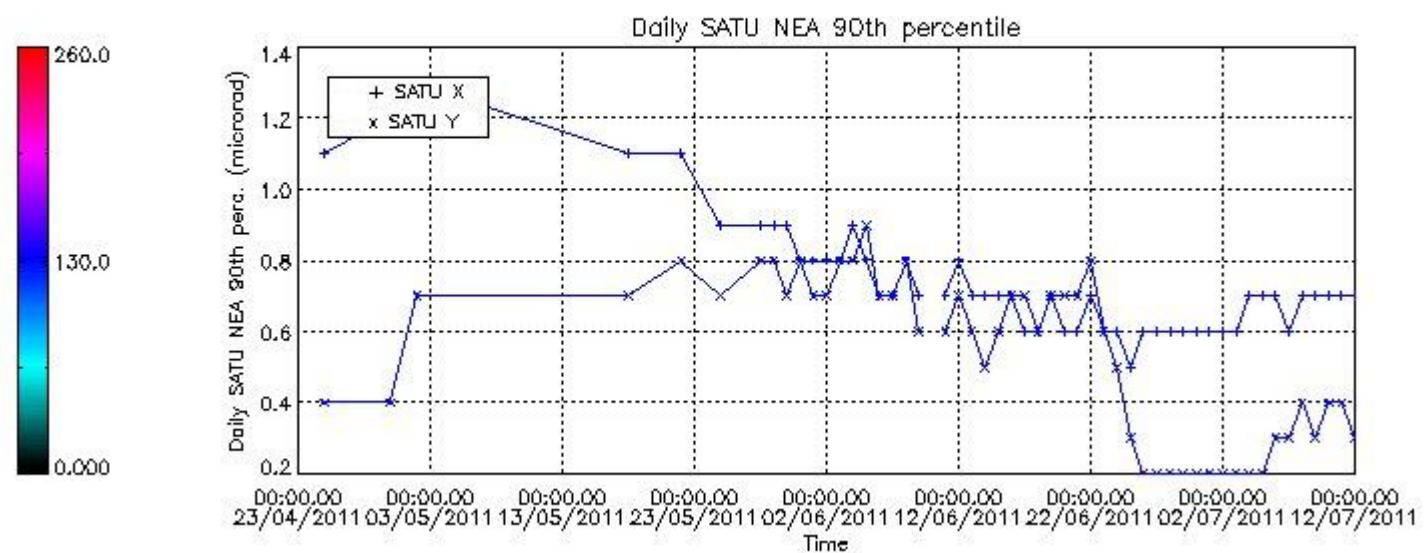
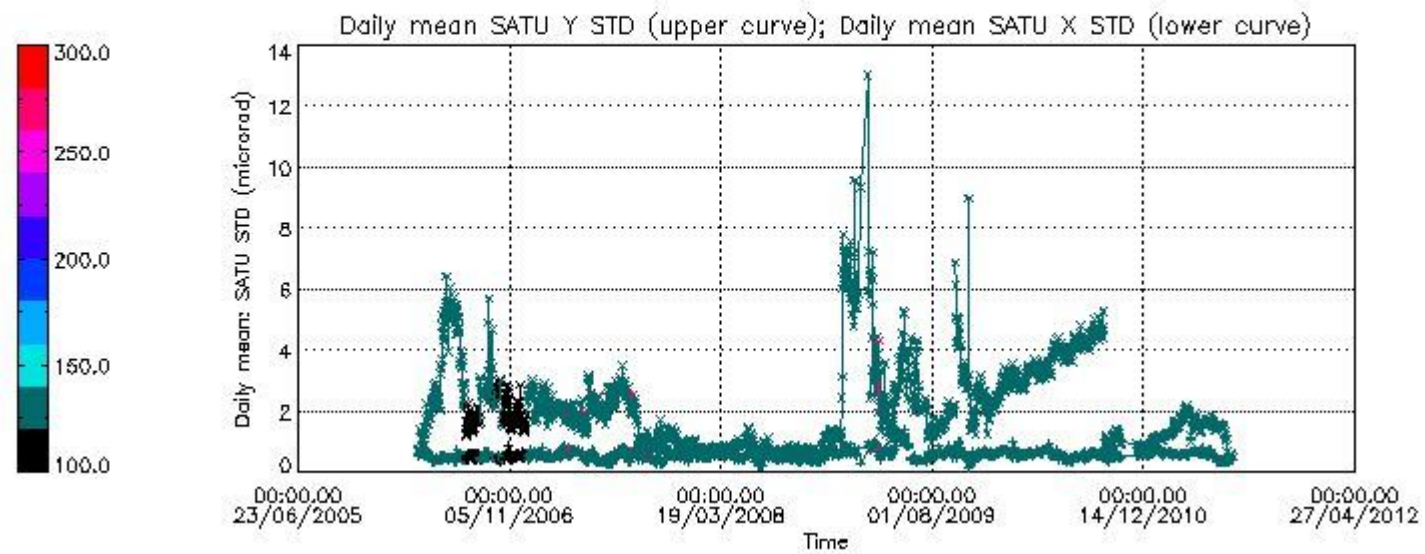
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

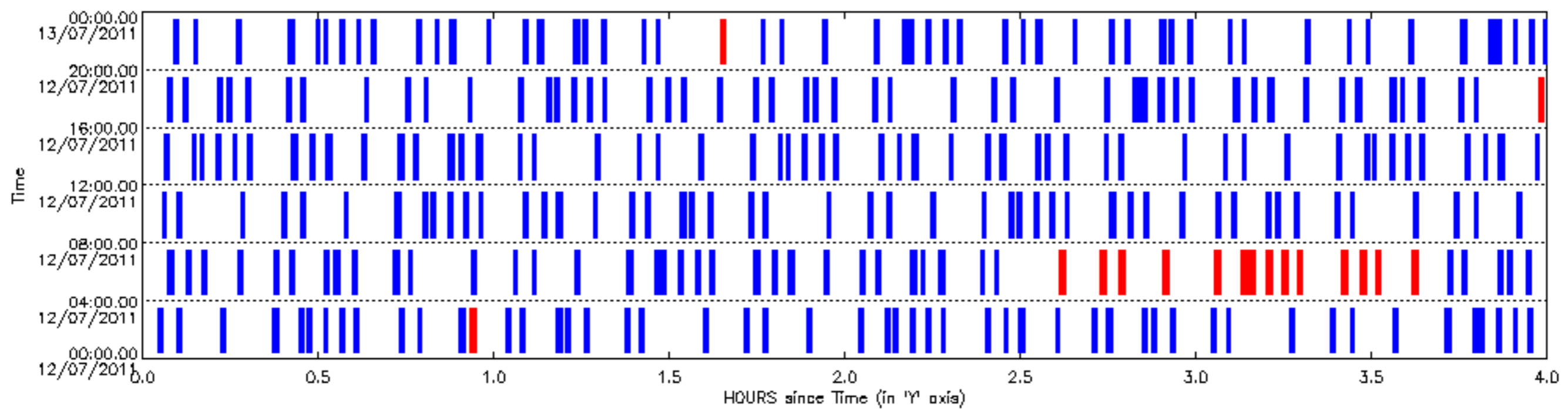
Lower curve: STD of SATU X axis

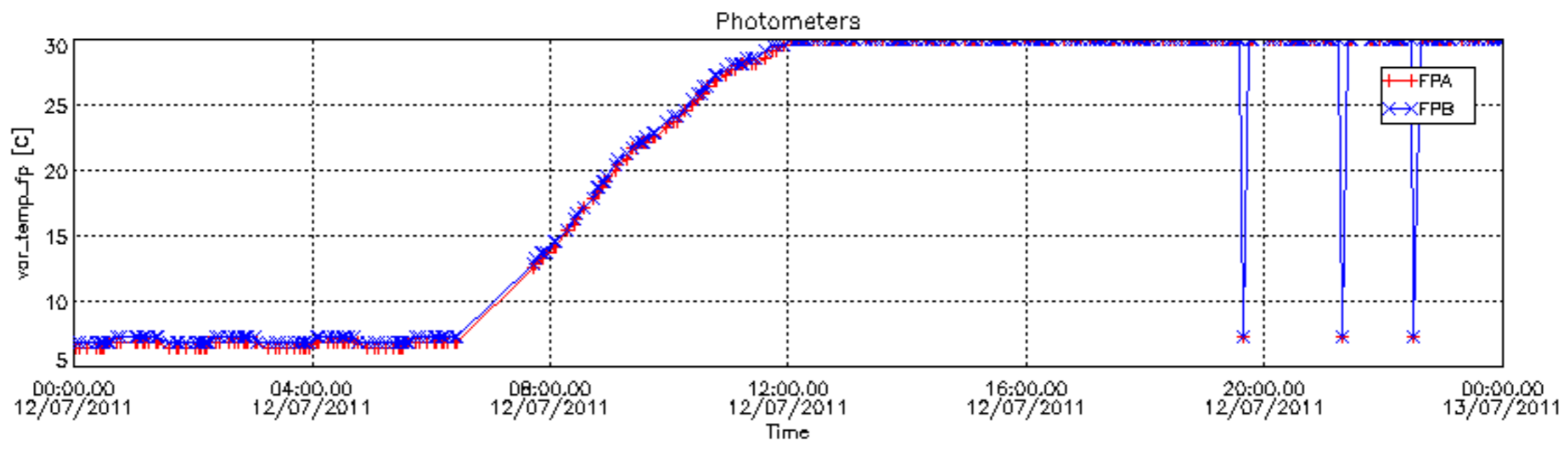
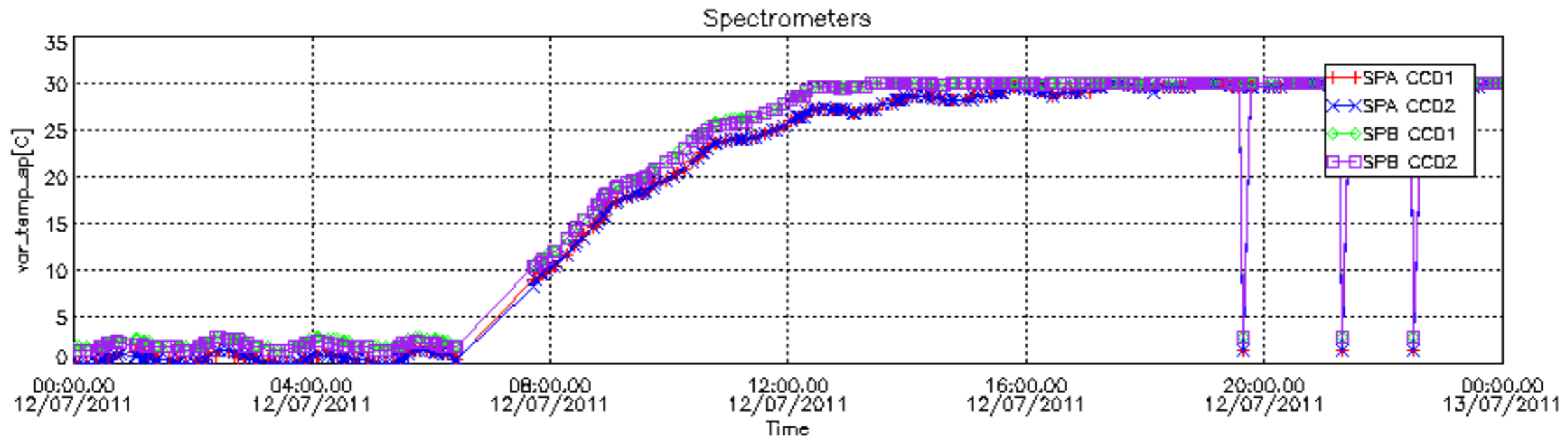


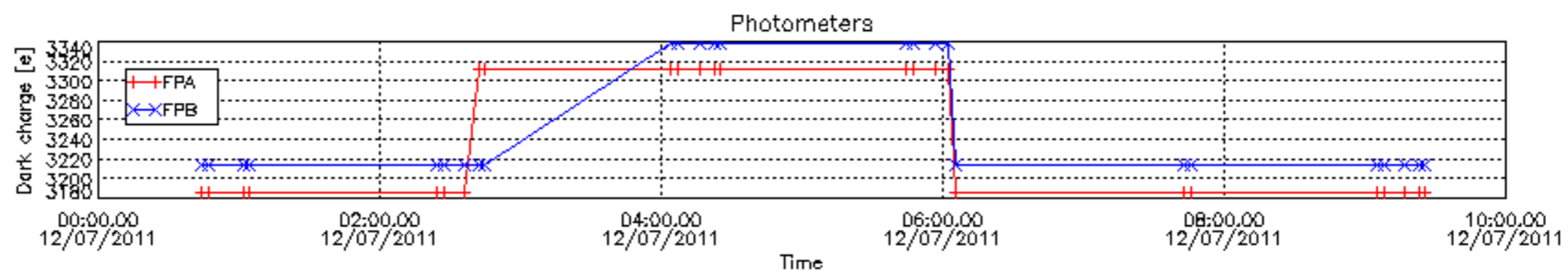
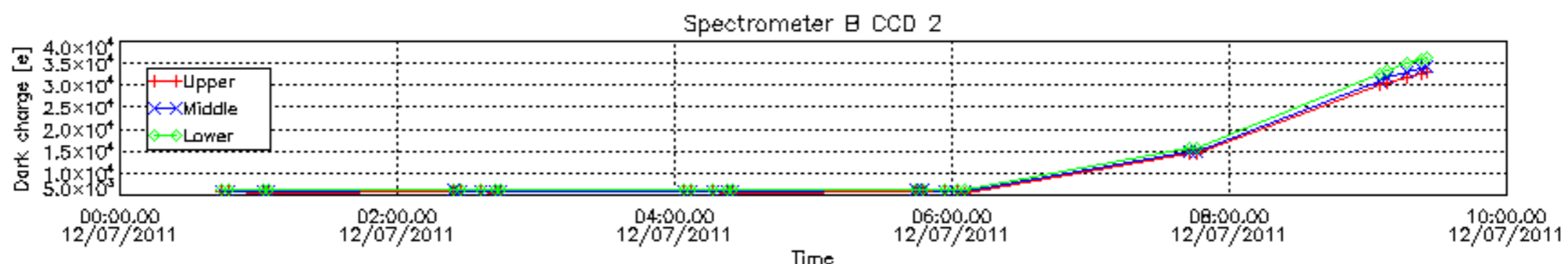
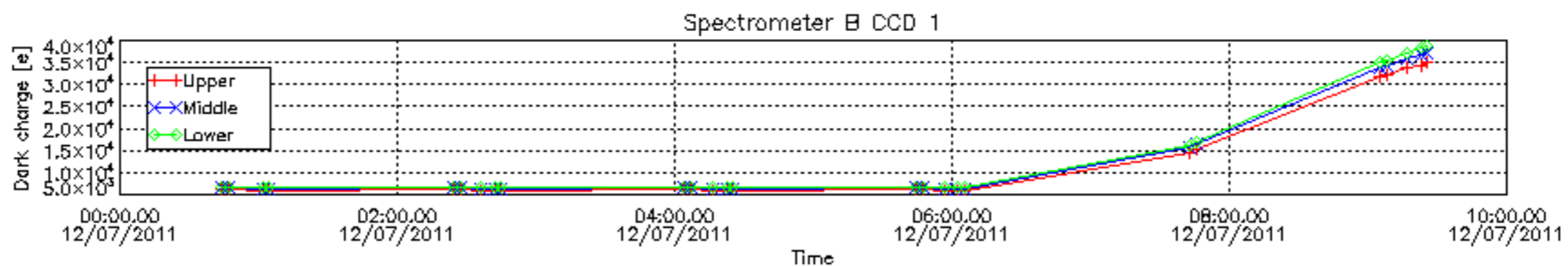
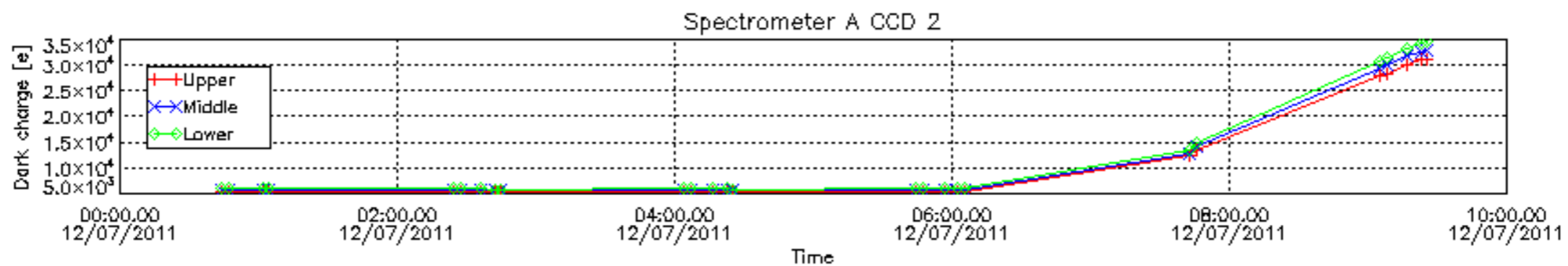
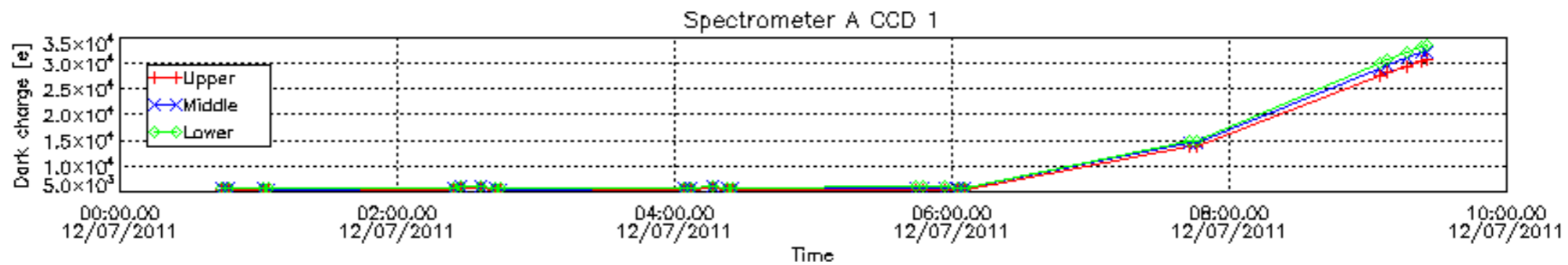
8. Auxiliary Data Files used for the production reported in section 2.4

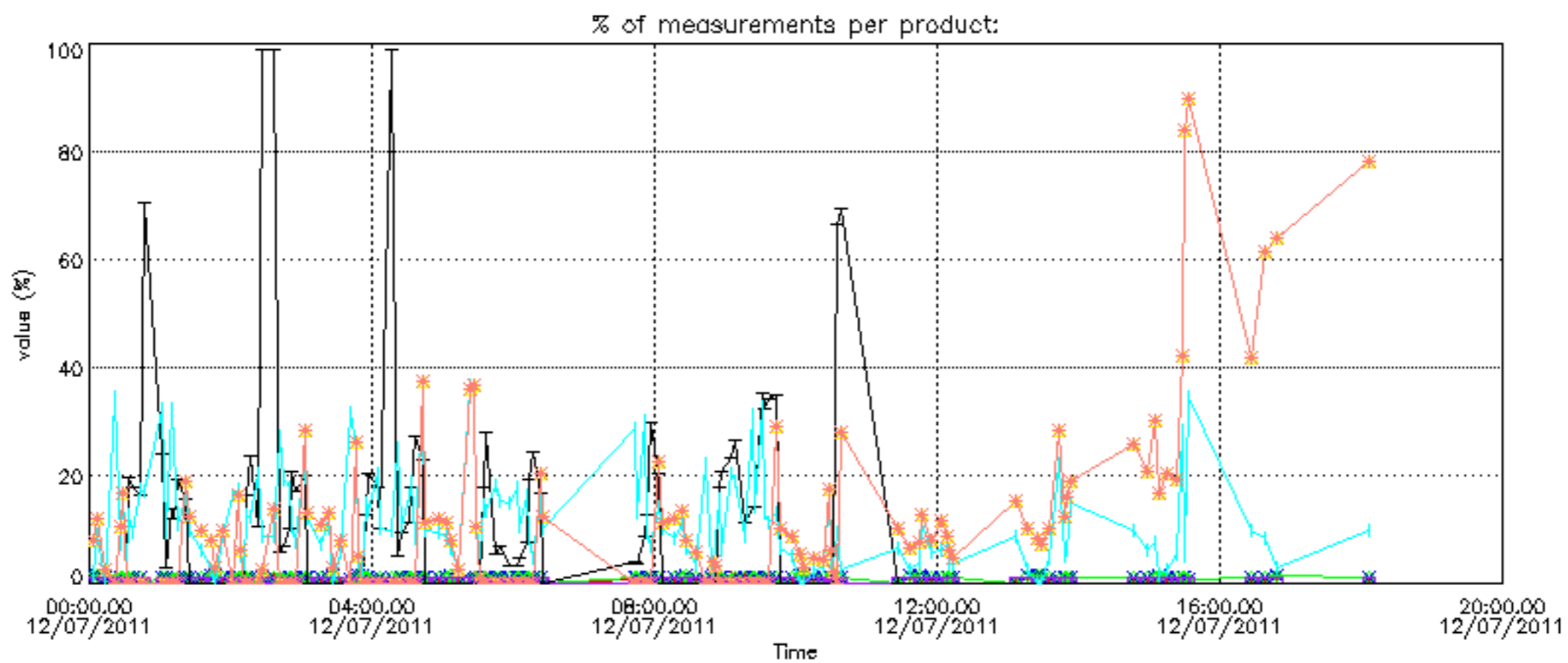
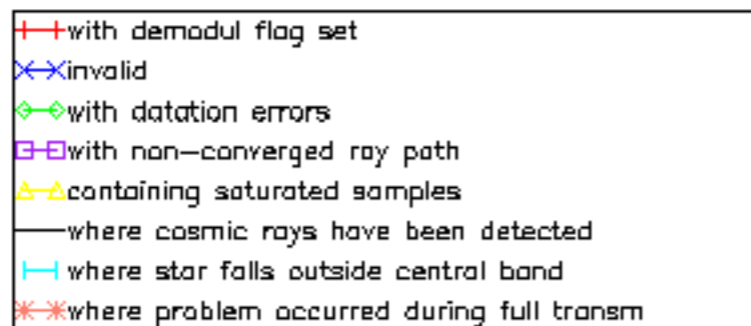
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	12-JUL-2011 00:02:37
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110711_093848_20110709_000000_20500101_000000	1	12-JUL-2011 00:02:37
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	12-JUL-2011 00:02:37
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20110513_081743_20020301_000000_20500101_000000	79	12-JUL-2011 07:42:56
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	12-JUL-2011 00:02:37
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	12-JUL-2011 00:02:37
ECMWF_FILE	AUX_ECF_AXNECM20110711_063046_20110711_210000_20110712_090000	1	12-JUL-2011 00:02:37
ECMWF_FILE	AUX_ECF_AXNECM20110711_183046_20110712_030000_20110712_150000	43	12-JUL-2011 03:42:28
ECMWF_FILE	AUX_ECA_AXNECM20110712_063439_20110711_210000_20110712_090000	63	12-JUL-2011 05:22:41
ECMWF_FILE	AUX_ECF_AXNECM20110711_183046_20110712_030000_20110712_150000	86	12-JUL-2011 08:16:44
ECMWF_FILE	AUX_ECF_AXNECM20110712_063439_20110712_090000_20110712_210000	106	12-JUL-2011 09:56:57
ECMWF_FILE	AUX_ECF_AXNECM20110712_063440_20110712_150000_20110713_030000	184	12-JUL-2011 16:24:32
ECMWF_FILE	AUX_ECA_AXNECM20110712_181440_20110712_090000_20110712_210000	204	12-JUL-2011 18:04:46
ECMWF_FILE	AUX_ECF_AXNECM20110712_063440_20110712_150000_20110713_030000	223	12-JUL-2011 19:38:03
ECMWF_FILE	AUX_ECF_AXNECM20110712_063440_20110712_210000_20110713_090000	242	12-JUL-2011 21:18:17
OPTIONAL_ECMWF_FILE	MISSING	1	12-JUL-2011 00:02:37
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110711_103044_20110710_185543_20110720_210931	1	12-JUL-2011 00:02:37
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110712_101437_20110711_195912_20110721_203246	106	12-JUL-2011 09:56:57
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110712_221439_20110712_110118_20110722_131506	242	12-JUL-2011 21:18:17

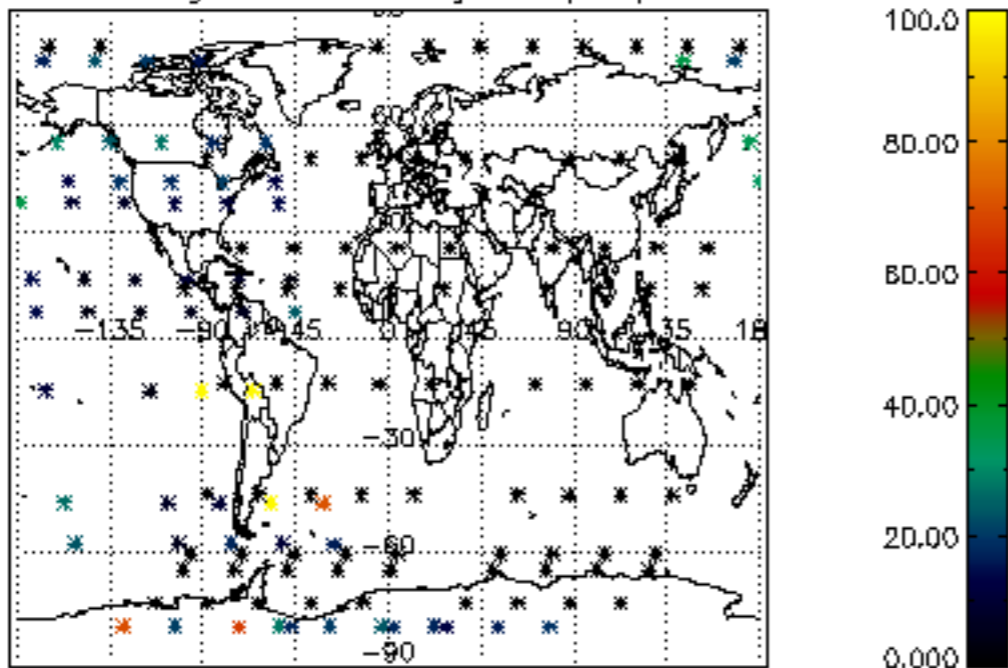




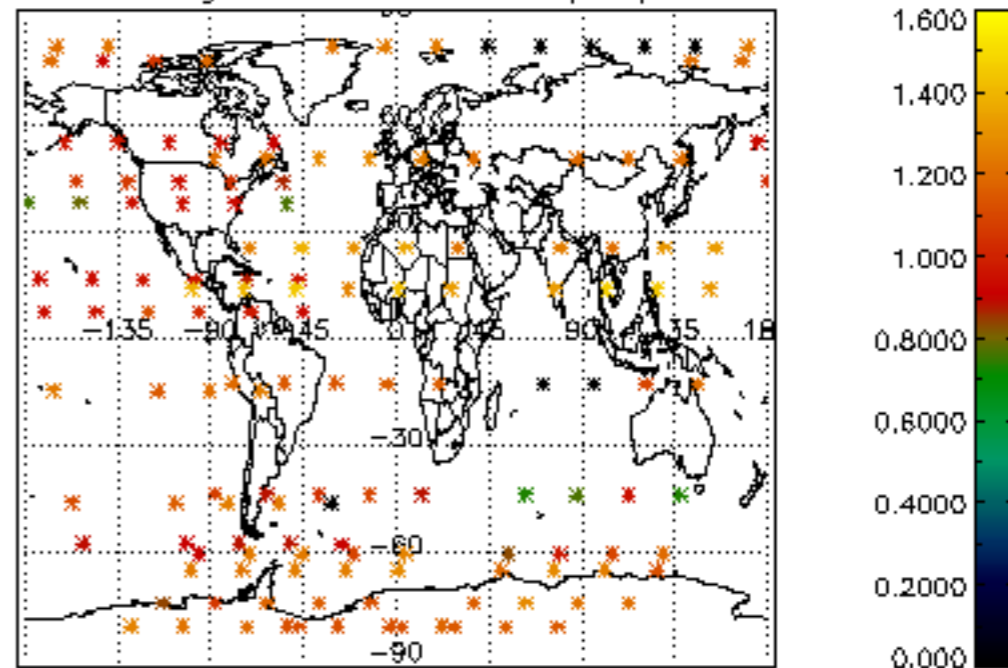




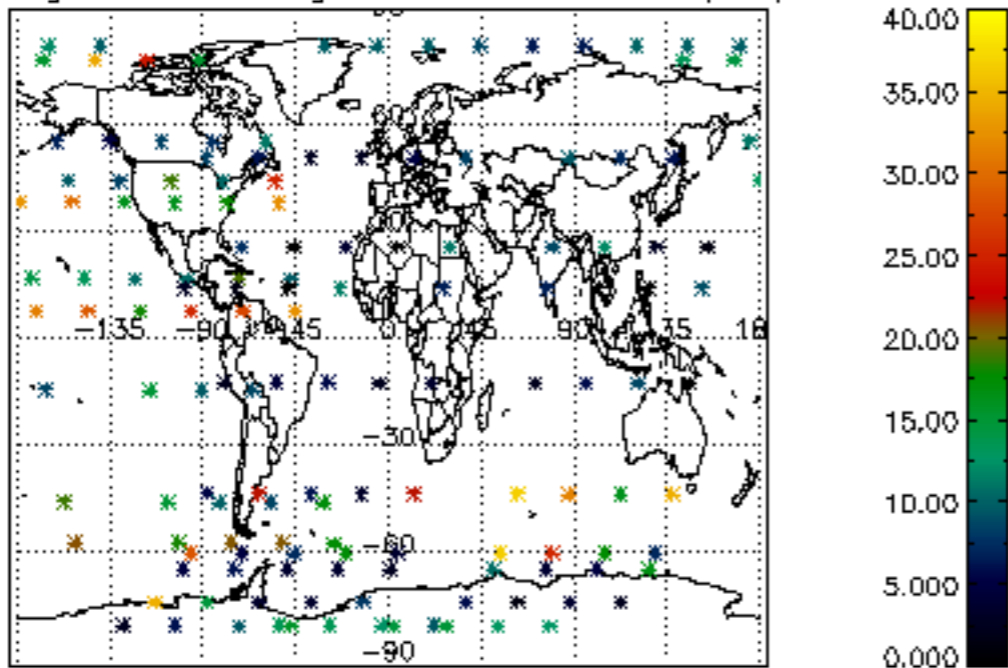
Percentage of cosmic ray hits per profile



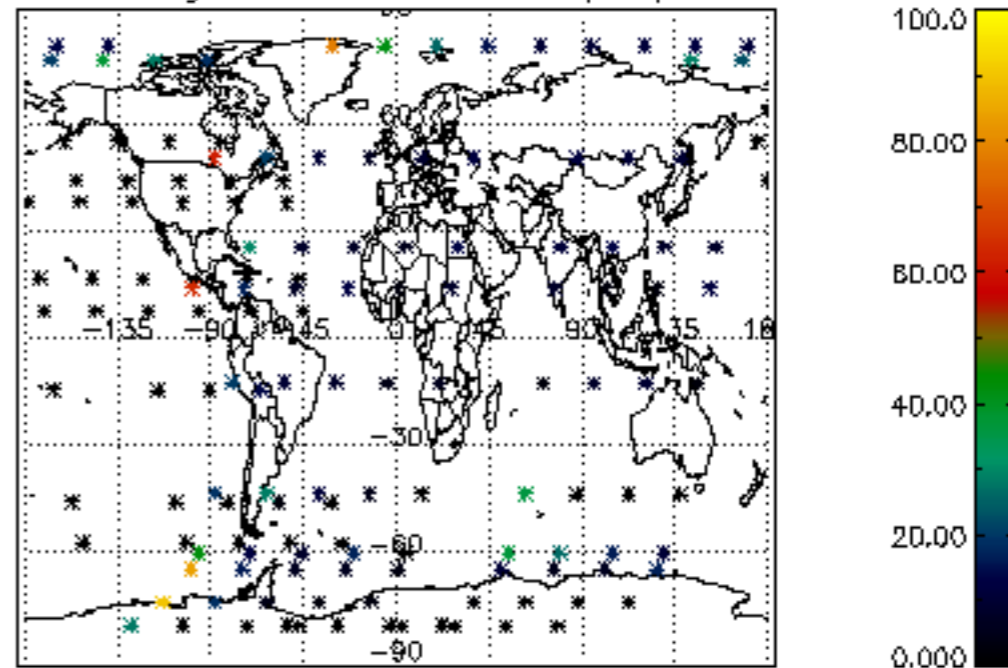
Percentage of datation errors per profile



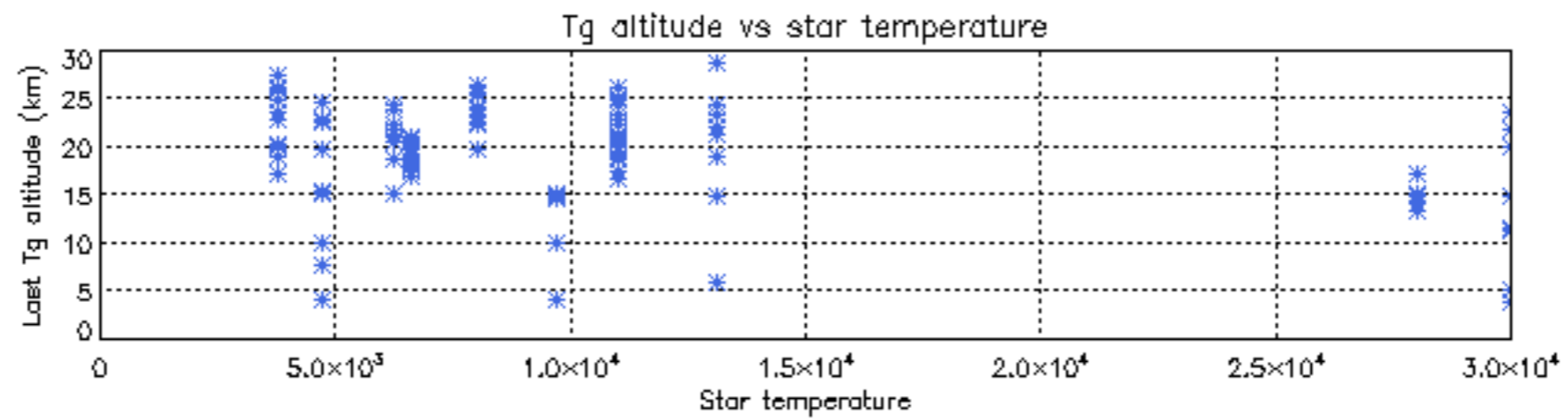
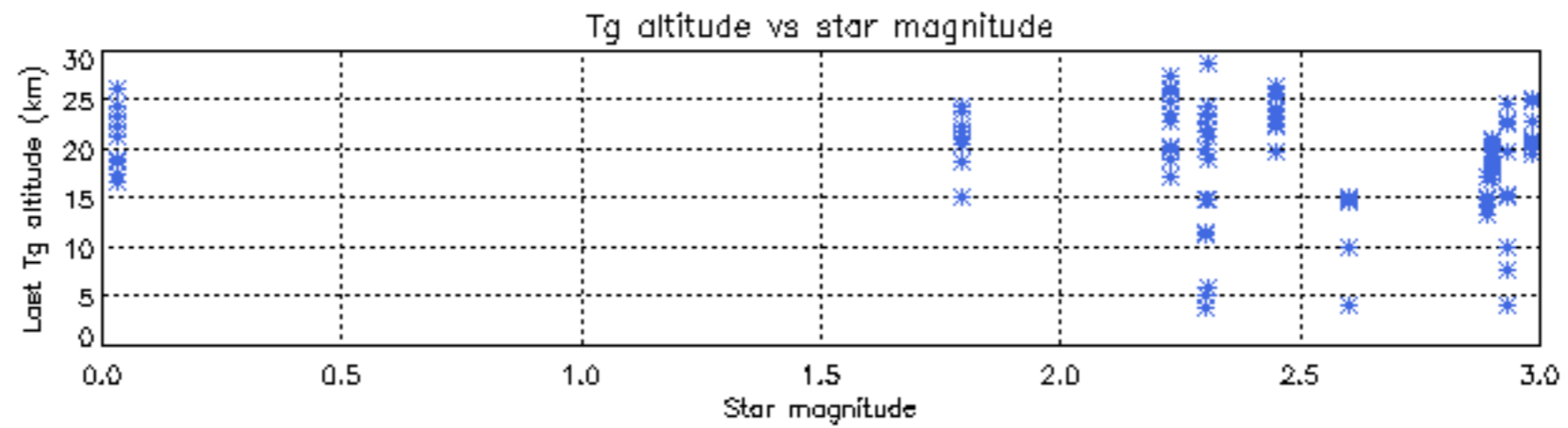
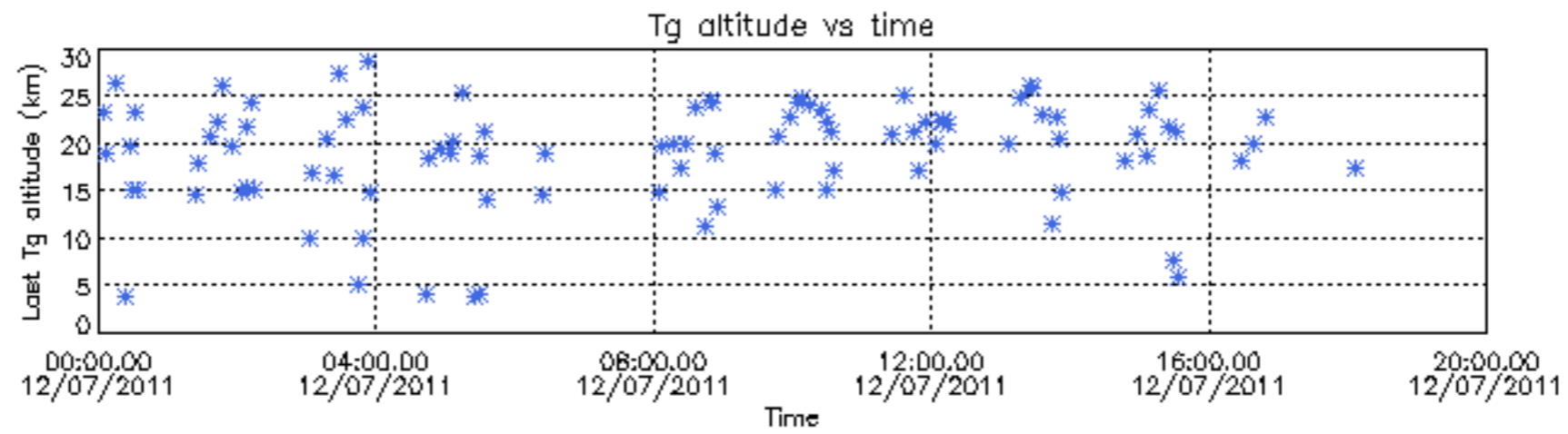
Percentage of star falling outside central band per profile



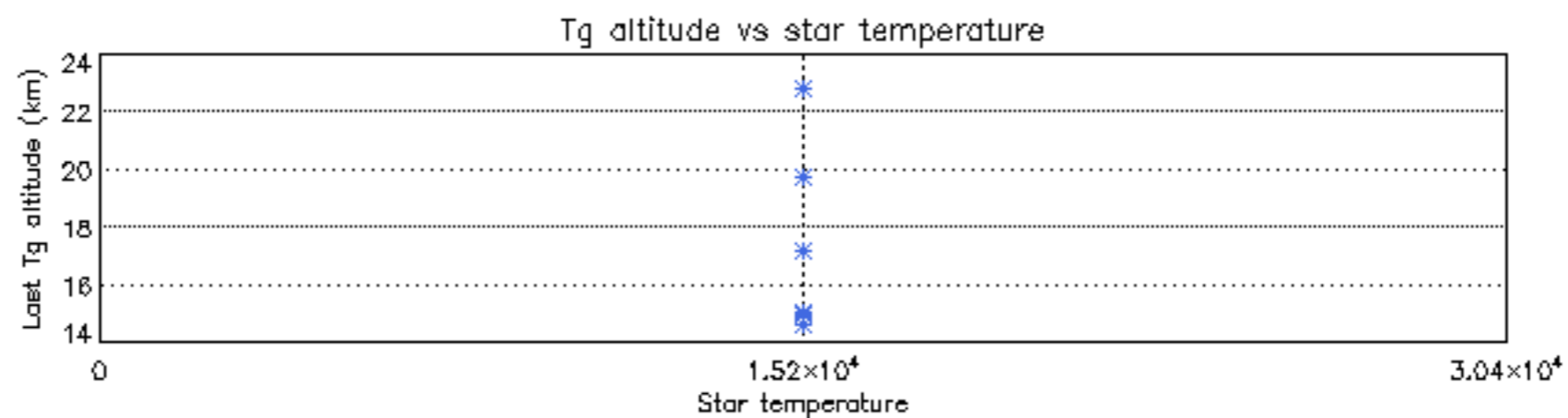
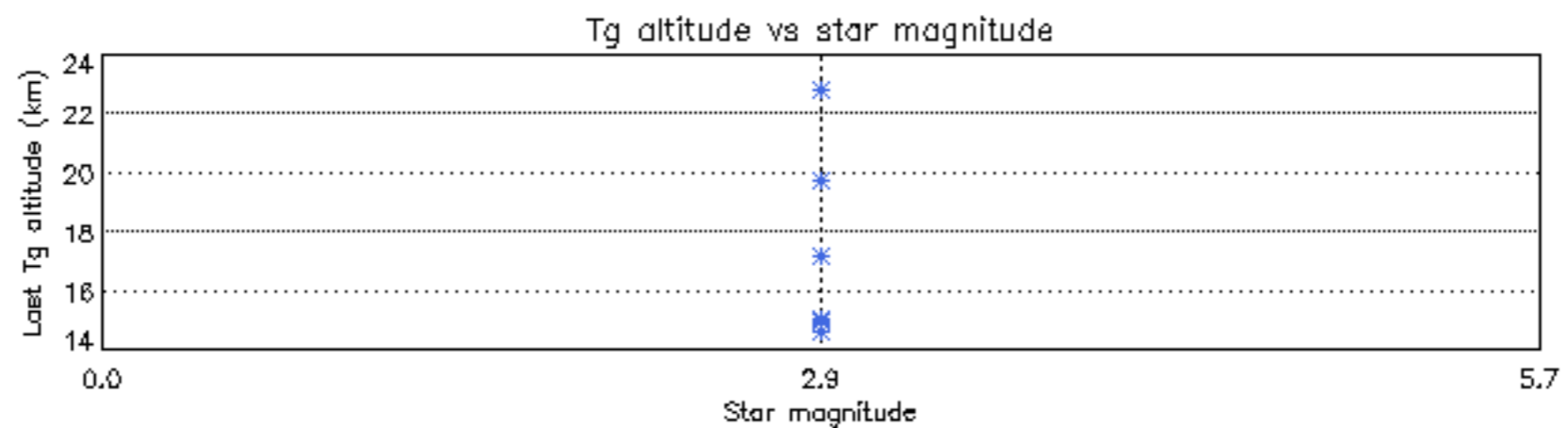
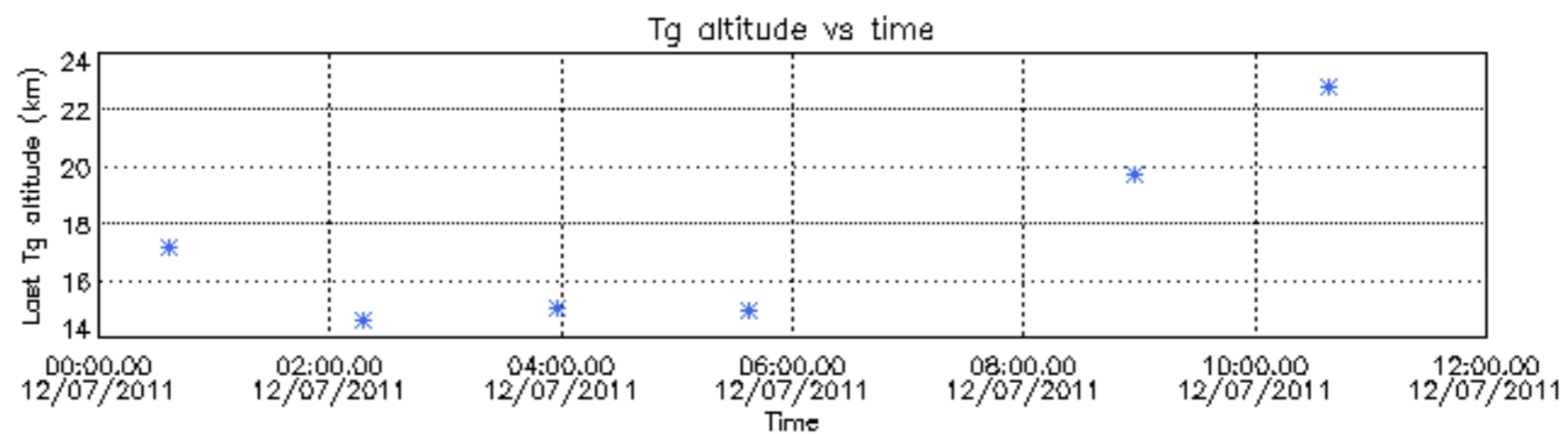
Percentage of saturation errors per profile

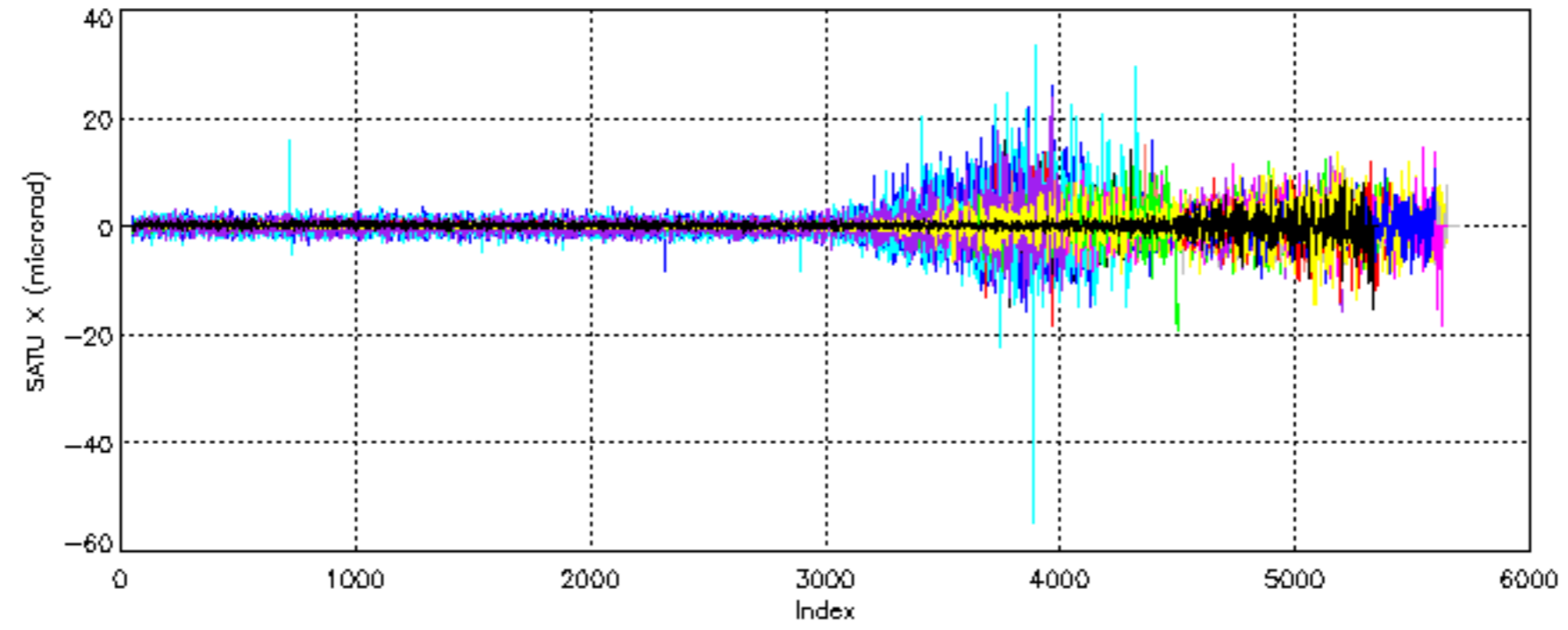


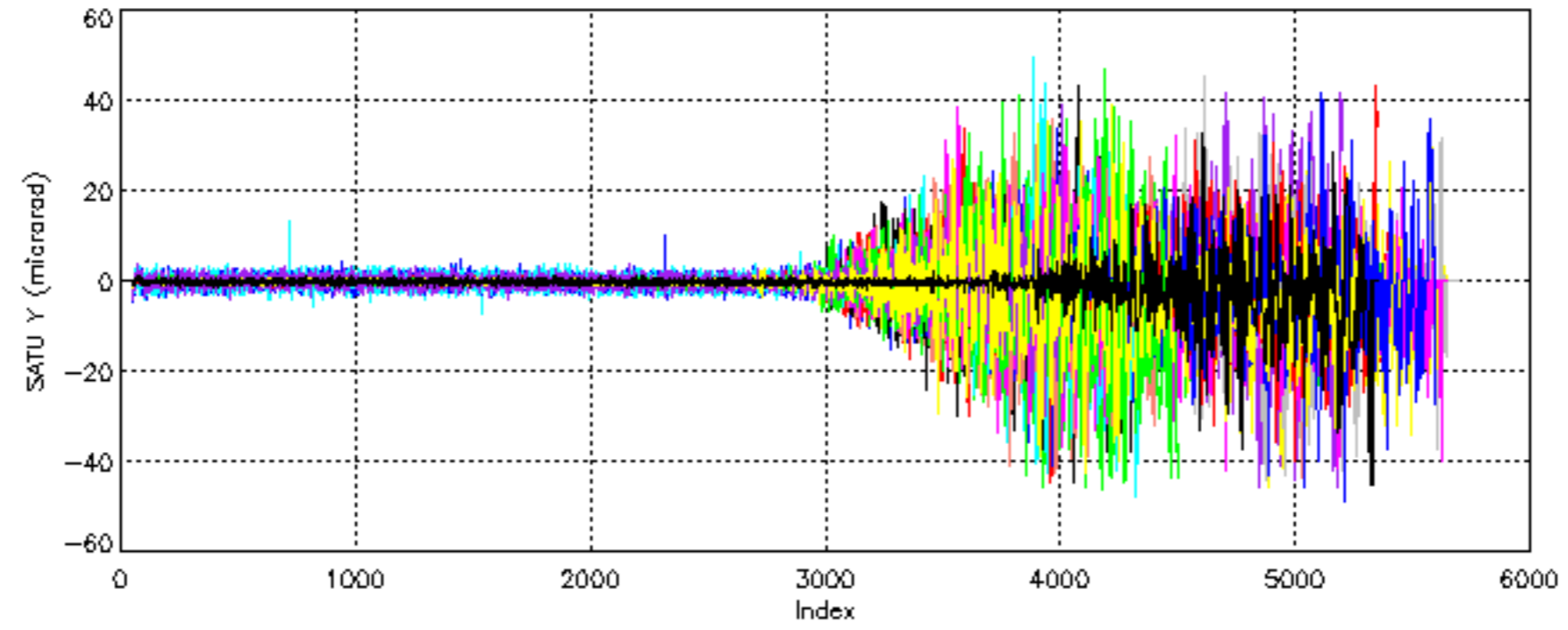
Tangent altitude at which the star is lost

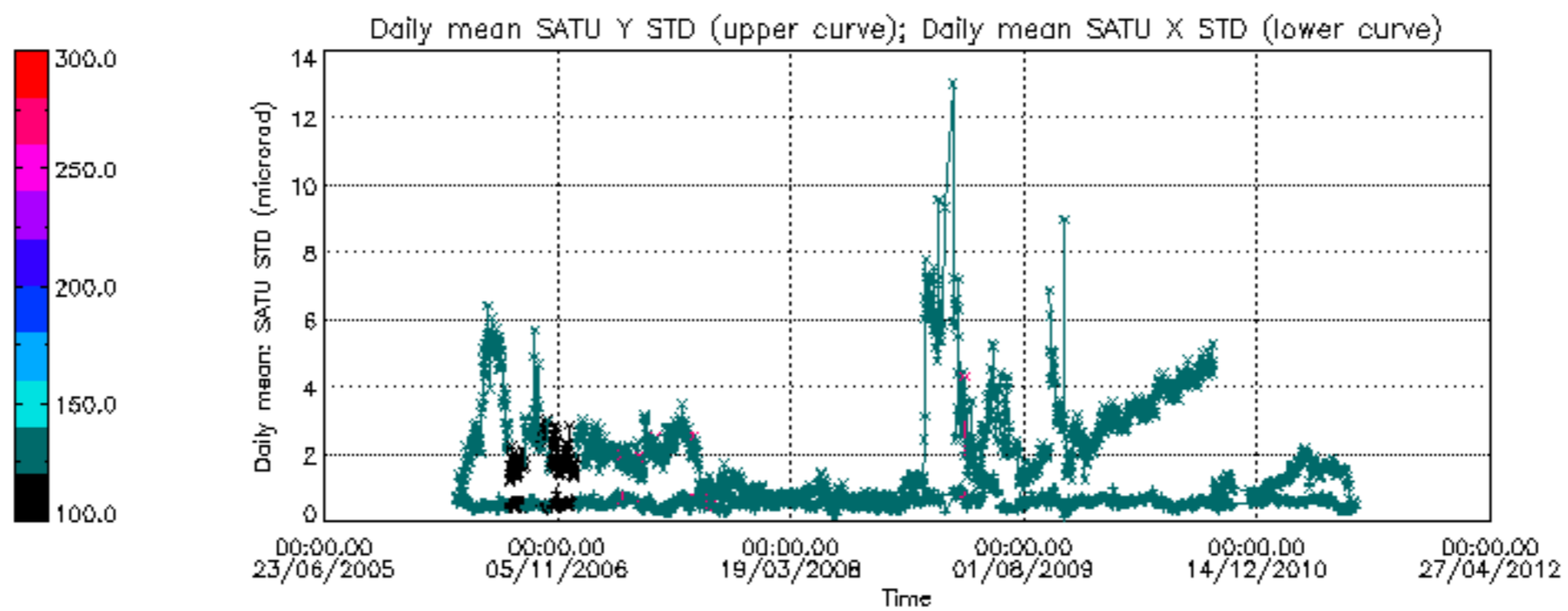


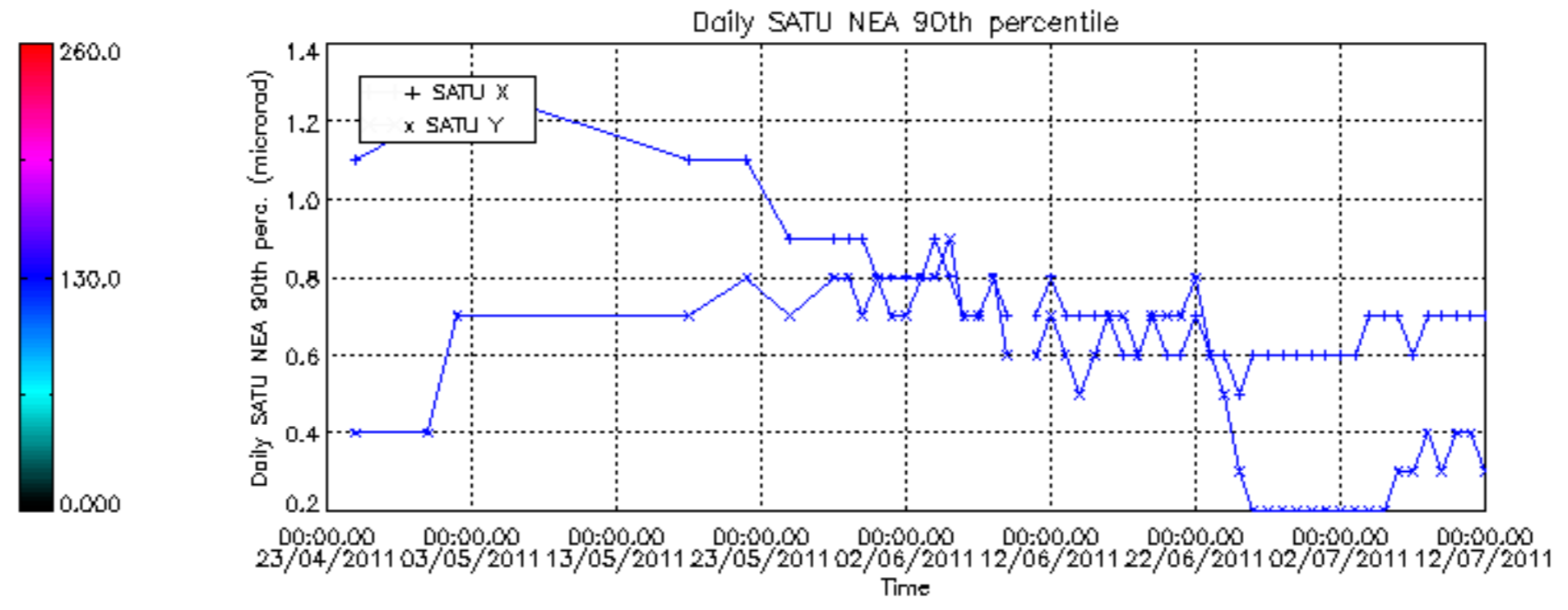
Tangent altitude at which the star is lost











```
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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
14; 3316.2; 01-JUL-2011 03:38:36; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48811
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2;-2161.3; 01-JUL-2011 03:47:32; Bright; 44.5; 110; 37Del Cas ; 2.68; 8900;occ; 89; 0;48811
3;-1972.6; 01-JUL-2011 03:50:41; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48811
4;-1868.4; 01-JUL-2011 03:52:25; Bright; 34.0; 175; 39Del Per ; 3.01; 19400;occ; 68; 0;48811
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
8;-1054.6; 01-JUL-2011 04:05:59; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 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
12; 607.4; 01-JUL-2011 04:33:41; Dark ; 52.5; 31; Alp Gru ; 1.73; 15200;occ; 105; 0;48812
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7;-1354.2; 01-JUL-2011 05:41:13; Dark ; 57.0; 50; 13Alp Ari ; 2.01; 4250;occ; 114; 0;48812
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 19; 6881.4; 25-JUL-2011 16:40:02; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;49164
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