

GOMOS Daily Report 22-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	25JUL2011 07:12:40
Data source version	GOMOS/6.01
Start time of products	22JUL2011 00:00:33
Stop time of products	22JUL2011 23:50:51
Store outputs in DB	Yes
Nb of level 1b prods	116
Nb of prods with errors	1

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).

! DMOP (mission plan) file not available for current day: plot NOT generated.

2.3 Summary of missing occultations (red segments in previous plot)

! DMOP (mission plan) file not available for current day: information on missing products NOT generated.

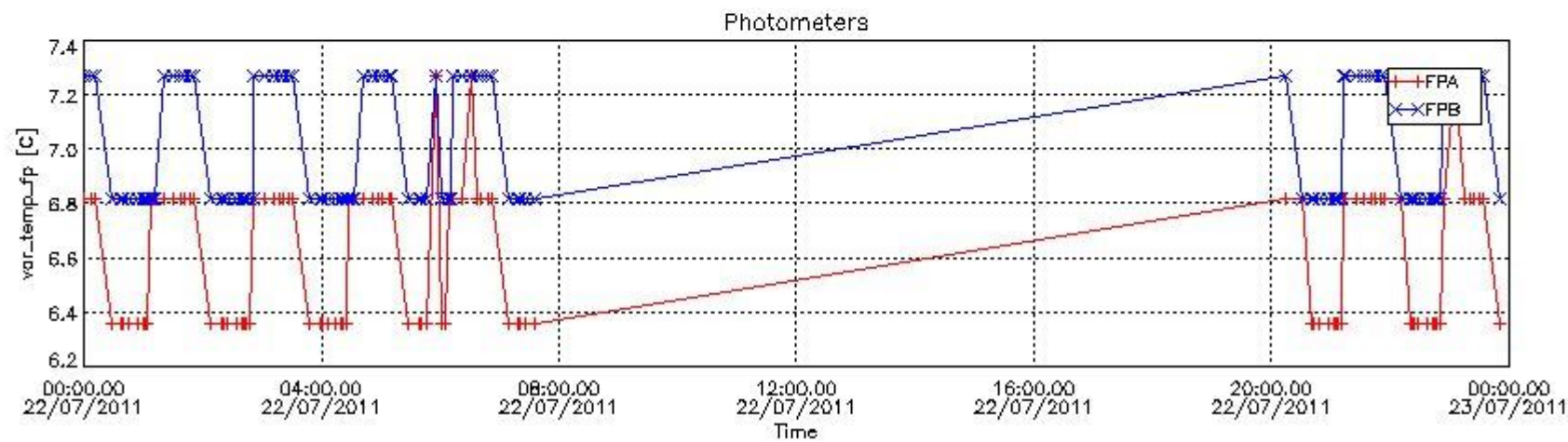
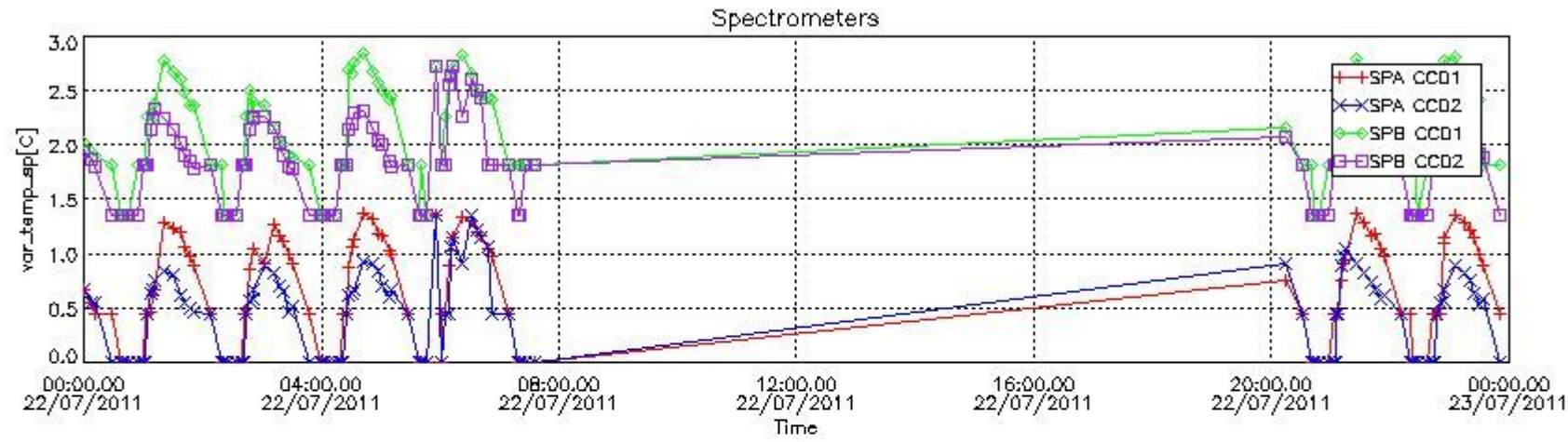
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20110722_000033_000000553104_00390_49111_6011.N1	22-JUL-2011 00:00:33	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	49111	No
2	GOM_TRA_1PNPDE20110722_000709_000000503104_00390_49111_6012.N1	22-JUL-2011 00:07:09	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	49111	No
3	GOM_TRA_1PNPDE20110722_001021_000000523104_00390_49111_6013.N1	22-JUL-2011 00:10:21	Straylight	52.000	172	Gam Gru	3.0030	13100.	104	49111	No
4	GOM_TRA_1PNPDE20110722_002738_000000453104_00390_49111_6014.N1	22-JUL-2011 00:27:38	Bright	44.500	11	53Alp Aql	0.76500	8000.0	89	49111	No
5	GOM_TRA_1PNPDE20110722_003831_000000403104_00390_49111_6015.N1	22-JUL-2011 00:38:31	Bright	40.000	144	18Del Cyg	2.8600	11000.	80	49111	No
6	GOM_TRA_1PNPDE20110722_004019_000000483104_00390_49111_6016.N1	22-JUL-2011 00:40:19	Bright	47.500	19	50Alp Cyg	1.2460	10500.	95	49111	No
7	GOM_TRA_1PNPDE20110722_004530_000000433104_00390_49111_6017.N1	22-JUL-2011 00:45:30	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	49111	No
8	GOM_TRA_1PNPDE20110722_005415_000000493104_00390_49111_6018.N1	22-JUL-2011 00:54:15	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	49111	No
9	GOM_TRA_1PNPDE20110722_005951_000000543104_00390_49111_6019.N1	22-JUL-2011 00:59:51	Bright	53.500	160	23Gam Per	2.9300	4700.0	107	49111	No
10	GOM_TRA_1PNPDE20110722_010119_000000453104_00390_49111_6020.N1	22-JUL-2011 01:01:19	Bright	45.000	35	33Alp Per	1.7950	6250.0	90	49111	No
11	GOM_TRA_1PNPDE20110722_010422_000000543104_00390_49111_6021.N1	22-JUL-2011 01:04:22	Bright	54.000	79	26Bet Per	2.3100	13100.	108	49111	No
12	GOM_TRA_1PNPDE20110722_010734_000000503104_00390_49111_6022.N1	22-JUL-2011 01:07:34	Twilight	49.500	150	44Zet Per	2.8900	28000.	99	49111	No
13	GOM_TRA_1PNPDE20110722_011020_000000463104_00390_49111_6023.N1	22-JUL-2011 01:10:20	Twilight	46.000	146	25Eta Tau	2.8730	15200.	92	49111	No
14	GOM_TRA_1PNPDE20110722_011156_000000403104_00390_49111_6024.N1	22-JUL-2011 01:11:56	Dark	40.000	13	87Alp Tau	0.86700	3800.0	80	49111	No
15	GOM_TRA_1PNPDE20110722_012151_000000493104_00390_49111_6050.N1	22-JUL-2011 01:21:51	Dark	49.000	165	34Gam Eri	2.9500	3200.0	98	49111	No
16	GOM_TRA_1PNPDE20110722_013103_000000433104_00390_49111_6051.N1	22-JUL-2011 01:31:03	Dark	43.000	157	The1Eri	2.9060	9300.0	86	49111	No
17	GOM_TRA_1PNPDE20110722_013701_000000513104_00391_49112_6052.N1	22-JUL-2011 01:37:01	Dark	50.500	9	Alp Eri	0.45300	24000.	101	49112	No
18	GOM_TRA_1PNPDE20110722_014048_000000543104_00391_49112_6053.N1	22-JUL-2011 01:40:48	Straylight	54.000	84	Alp Phe	2.3970	4500.0	108	49112	No
19	GOM_TRA_1PNPDE20110722_014724_000000513104_00391_49112_6054.N1	22-JUL-2011 01:47:24	Straylight	50.500	31	Alp Gru	1.7340	15200.	101	49112	No
20	GOM_TRA_1PNPDE20110722_015035_000000493104_00391_49112_6055.N1	22-JUL-2011 01:50:35	Straylight	48.500	172	Gam Gru	3.0030	13100.	97	49112	No
21	GOM_TRA_1PNPDE20110722_020752_000000433104_00391_49112_6056.N1	22-JUL-2011 02:07:52	Bright	42.500	11	53Alp Aql	0.76500	8000.0	85	49112	No
22	GOM_TRA_1PNPDE20110722_021845_000000403104_00391_49112_6057.N1	22-JUL-2011 02:18:45	Bright	39.500	144	18Del Cyg	2.8600	11000.	79	49112	No
23	GOM_TRA_1PNPDE20110722_022032_000000473104_00391_49112_6058.N1	22-JUL-2011 02:20:32	Bright	47.000	19	50Alp Cyg	1.2460	10500.	94	49112	No
24	GOM_TRA_1PNPDE20110722_022543_000000403104_00391_49112_6059.N1	22-JUL-2011 02:25:43	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	49112	No
25	GOM_TRA_1PNPDE20110722_023428_000000473104_00391_49112_6060.N1	22-JUL-2011 02:34:28	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	49112	No
26	GOM_TRA_1PNPDE20110722_024005_000000453104_00391_49112_6061.N1	22-JUL-2011 02:40:05	Bright	45.000	160	23Gam Per	2.9300	4700.0	90	49112	No
27	GOM_TRA_1PNPDE20110722_024133_000000443104_00391_49112_6062.N1	22-JUL-2011 02:41:33	Bright	44.000	35	33Alp Per	1.7950	6250.0	88	49112	No
28	GOM_TRA_1PNPDE20110722_024436_000000523104_00391_49112_6063.N1	22-JUL-2011 02:44:36	Bright	51.500	79	26Bet Per	2.3100	13100.	103	49112	No
29	GOM_TRA_1PNPDE20110722_024748_000000483104_00391_49112_6064.N1	22-JUL-2011 02:47:48	Twilight	48.000	150	44Zet Per	2.8900	28000.	96	49112	No
30	GOM_TRA_1PNPDE20110722_025034_000000483104_00391_49112_6065.N1	22-JUL-2011 02:50:34	Twilight	47.500	146	25Eta Tau	2.8730	15200.	95	49112	No

31	GOM_TRA_1PNPDE20110722_025210_000000473104_00391_49112_6066.N1	22-JUL-2011 02:52:10	Dark	47.000	13	87Alp Tau	0.86700	3800.0	94	49112	No
32	GOM_TRA_1PNPDE20110722_030206_000000503104_00391_49112_6067.N1	22-JUL-2011 03:02:06	Dark	49.500	165	34Gam Eri	2.9500	3200.0	99	49112	No
33	GOM_TRA_1PNPDE20110722_031118_000000443104_00391_49112_6068.N1	22-JUL-2011 03:11:18	Dark	43.500	157	The1Eri	2.9060	9300.0	87	49112	No
34	GOM_TRA_1PNPDE20110722_031716_000000533104_00392_49113_6069.N1	22-JUL-2011 03:17:16	Dark	52.500	9	Alp Eri	0.45300	24000.	105	49113	No
35	GOM_TRA_1PNPDE20110722_032103_000000553104_00392_49113_6070.N1	22-JUL-2011 03:21:03	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	49113	No
36	GOM_TRA_1PNPDE20110722_032738_000000453104_00392_49113_6071.N1	22-JUL-2011 03:27:38	Straylight	45.000	31	Alp Gru	1.7340	15200.	90	49113	No
37	GOM_TRA_1PNPDE20110722_033050_000000483104_00392_49113_6072.N1	22-JUL-2011 03:30:50	Straylight	48.000	172	Gam Gru	3.0030	13100.	96	49113	No
38	GOM_TRA_1PNPDE20110722_034806_000000423104_00392_49113_6073.N1	22-JUL-2011 03:48:06	Bright	42.000	11	53Alp Aql	0.76500	8000.0	84	49113	No
39	GOM_TRA_1PNPDE20110722_035859_000000393104_00392_49113_6074.N1	22-JUL-2011 03:58:59	Bright	39.000	144	18Del Cyg	2.8600	11000.	78	49113	No
40	GOM_TRA_1PNPDE20110722_040046_000000463104_00392_49113_6075.N1	22-JUL-2011 04:00:46	Bright	46.000	19	50Alp Cyg	1.2460	10500.	92	49113	No
41	GOM_TRA_1PNPDE20110722_040557_000000413104_00392_49113_6076.N1	22-JUL-2011 04:05:57	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	49113	No
42	GOM_TRA_1PNPDE20110722_041442_000000473104_00392_49113_6190.N1	22-JUL-2011 04:14:42	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	49113	No
43	GOM_TRA_1PNPDE20110722_042019_000000443104_00392_49113_6191.N1	22-JUL-2011 04:20:19	Bright	44.000	160	23Gam Per	2.9300	4700.0	88	49113	No
44	GOM_TRA_1PNPDE20110722_042147_000000453104_00392_49113_6192.N1	22-JUL-2011 04:21:47	Bright	44.500	35	33Alp Per	1.7950	6250.0	89	49113	No
45	GOM_TRA_1PNPDE20110722_042450_000000523104_00392_49113_6193.N1	22-JUL-2011 04:24:50	Bright	51.500	79	26Bet Per	2.3100	13100.	103	49113	No
46	GOM_TRA_1PNPDE20110722_042802_000000493104_00392_49113_6194.N1	22-JUL-2011 04:28:02	Twi_and_stray	48.500	150	44Zet Per	2.8900	28000.	97	49113	No
47	GOM_TRA_1PNPDE20110722_043049_000000463104_00392_49113_6195.N1	22-JUL-2011 04:30:49	Twilight	46.000	146	25Eta Tau	2.8730	15200.	92	49113	No
48	GOM_TRA_1PNPDE20110722_043225_000000483104_00392_49113_6196.N1	22-JUL-2011 04:32:25	Dark	48.000	13	87Alp Tau	0.86700	3800.0	96	49113	No
49	GOM_TRA_1PNPDE20110722_044220_000000503104_00392_49113_6197.N1	22-JUL-2011 04:42:20	Dark	50.000	165	34Gam Eri	2.9500	3200.0	100	49113	No
50	GOM_TRA_1PNPDE20110722_045133_000000443104_00392_49113_6198.N1	22-JUL-2011 04:51:33	Dark	43.500	157	The1Eri	2.9060	9300.0	87	49113	No
51	GOM_TRA_1PNPDE20110722_045730_000000533104_00393_49114_6199.N1	22-JUL-2011 04:57:30	Dark	53.000	9	Alp Eri	0.45300	24000.	106	49114	No
52	GOM_TRA_1PNPDE20110722_050118_000000553104_00393_49114_6200.N1	22-JUL-2011 05:01:18	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	49114	No
53	GOM_TRA_1PNPDE20110722_050753_000000503104_00393_49114_6201.N1	22-JUL-2011 05:07:53	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	49114	No
54	GOM_TRA_1PNPDE20110722_051105_000000483104_00393_49114_6202.N1	22-JUL-2011 05:11:05	Straylight	48.000	172	Gam Gru	3.0030	13100.	96	49114	No
55	GOM_TRA_1PNPDE20110722_052820_000000423104_00393_49114_6203.N1	22-JUL-2011 05:28:20	Bright	42.000	11	53Alp Aql	0.76500	8000.0	84	49114	No
56	GOM_TRA_1PNPDE20110722_053912_000000403104_00393_49114_6204.N1	22-JUL-2011 05:39:12	Bright	40.000	144	18Del Cyg	2.8600	11000.	80	49114	No
57	GOM_TRA_1PNPDE20110722_054059_000000463104_00393_49114_6205.N1	22-JUL-2011 05:40:59	Bright	45.500	19	50Alp Cyg	1.2460	10500.	91	49114	No
58	GOM_TRA_1PNPDE20110722_054610_000000433104_00393_49114_6206.N1	22-JUL-2011 05:46:10	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	49114	No
59	GOM_TRA_1PNPDE20110722_055455_000000483104_00393_49114_6241.N1	22-JUL-2011 05:54:55	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	49114	No
60	GOM_TRA_1PNPDE20110722_060033_000000433104_00393_49114_6242.N1	22-JUL-2011 06:00:33	Bright	42.500	160	23Gam Per	2.9300	4700.0	85	49114	No
61	GOM_TRA_1PNPDE20110722_060201_000000463104_00393_49114_6243.N1	22-JUL-2011 06:02:01	Bright	45.500	35	33Alp Per	1.7950	6250.0	91	49114	No
62	GOM_TRA_1PNPDE20110722_060504_000000483104_00393_49114_6244.N1	22-JUL-2011 06:05:04	Bright	47.500	79	26Bet Per	2.3100	13100.	95	49114	No
63	GOM_TRA_1PNPDE20110722_060817_000000483104_00393_49114_6245.N1	22-JUL-2011 06:08:17	Twi_and_stray	48.000	150	44Zet Per	2.8900	28000.	96	49114	No
64	GOM_TRA_1PNPDE20110722_061103_000000463104_00393_49114_6246.N1	22-JUL-2011 06:11:03	Twilight	46.000	146	25Eta Tau	2.8730	15200.	92	49114	No
65	GOM_TRA_1PNPDE20110722_061239_000000473104_00393_49114_6247.N1	22-JUL-2011 06:12:39	Dark	46.500	13	87Alp Tau	0.86700	3800.0	93	49114	No
66	GOM_TRA_1PNPDE20110722_062235_000000503104_00393_49114_6248.N1	22-JUL-2011 06:22:35	Dark	49.500	165	34Gam Eri	2.9500	3200.0	99	49114	No
67	GOM_TRA_1PNPDE20110722_063148_000000443104_00393_49114_6249.N1	22-JUL-2011 06:31:48	Dark	43.500	157	The1Eri	2.9060	9300.0	87	49114	No
68	GOM_TRA_1PNPDE20110722_063745_000000553104_00394_49115_6250.N1	22-JUL-2011 06:37:45	Dark	55.000	9	Alp Eri	0.45300	24000.	110	49115	No
69	GOM_TRA_1PNPDE20110722_064133_000000563104_00394_49115_6251.N1	22-JUL-2011 06:41:33	Straylight	55.500	84	Alp Phe	2.3970	4500.0	111	49115	No
70	GOM_TRA_1PNPDE20110722_064808_000000473104_00394_49115_6252.N1	22-JUL-2011 06:48:08	Straylight	46.500	31	Alp Gru	1.7340	15200.	93	49115	No
71	GOM_TRA_1PNPDE20110722_065120_000000493104_00394_49115_6253.N1	22-JUL-2011 06:51:20	Straylight	48.500	172	Gam Gru	3.0030	13100.	97	49115	No
72	GOM_TRA_1PNPDE20110722_070834_000000423104_00394_49115_6254.N1	22-JUL-2011 07:08:34	Bright	41.500	11	53Alp Aql	0.76500	8000.0	83	49115	No
73	GOM_TRA_1PNPDE20110722_071926_000000403104_00394_49115_6255.N1	22-JUL-2011 07:19:26	Bright	40.000	144	18Del Cyg	2.8600	11000.	80	49115	No
74	GOM_TRA_1PNPDE20110722_072112_000000463104_00394_49115_6256.N1	22-JUL-2011 07:21:12	Bright	46.000	19	50Alp Cyg	1.2460	10500.	92	49115	No
75	GOM_TRA_1PNPDE20110722_072624_000000403104_00394_49115_6257.N1	22-JUL-2011 07:26:24	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	49115	No
76	GOM_TRA_1PNPDE20110722_073509_000000683104_00394_49115_6258.N1	22-JUL-2011 07:35:09	Bright	67.500	76	27Gam Cas	2.3000	30000.	135	49115	No
77	GOM_TRA_1PNPDE20110722_201316_000000503104_00402_49123_6442.N1	22-JUL-2011 20:13:16	Straylight	50.000	172	Gam Gru	3.0030	13100.	100	49123	No
78	GOM_TRA_1PNPDE20110722_203024_000000413104_00402_49123_6443.N1	22-JUL-2011 20:30:24	Bright	41.000	11	53Alp Aql	0.76500	8000.0	82	49123	No
79	GOM_TRA_1PNPDE20110722_204003_000000363104_00402_49123_6444.N1	22-JUL-2011 20:40:03	Bright	36.000	92	53Eps Cyg	2.5000	4500.0	72	49123	No
80	GOM_TRA_1PNPDE20110722_204115_000000413104_00402_49123_6445.N1	22-JUL-2011 20:41:15	Bright	40.500	144	18Del Cyg	2.8600	11000.	81	49123	No
81	GOM_TRA_1PNPDE20110722_204259_000000473104_00402_49123_6446.N1	22-JUL-2011 20:42:59	Bright	47.000	19	50Alp Cyg	1.2460	10500.	94	49123	No
82	GOM_TRA_1PNPDE20110722_204812_000000403104_00402_49123_6447.N1	22-JUL-2011 20:48:12	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	49123	No
83	GOM_TRA_1PNPDE20110722_205656_000000463104_00402_49123_6448.N1	22-JUL-2011 20:56:56	Bright	46.000	76	27Gam Cas	2.3000	30000.	92	49123	No
84	GOM_TRA_1PNPDE20110722_210236_000000543104_00402_49123_6449.N1	22-JUL-2011 21:02:36	Bright	53.500	160	23Gam Per	2.9300	4700.0	107	49123	No
85	GOM_TRA_1PNPDE20110722_210405_000000643104_00402_49123_6450.N1	22-JUL-2011 21:04:05	Bright	64.000	35	33Alp Per	1.7950	6250.0	128	49123	No
86	GOM_TRA_1PNPDE20110722_210538_000000543104_00402_49123_6451.N1	22-JUL-2011 21:05:38	Bright	54.000	6	13Alp Aur	0.080000	3400.0	108	49123	No
87	GOM_TRA_1PNPDE20110722_210709_000000553104_00402_49123_6452.N1	22-JUL-2011 21:07:09	Bright	54.500	79	26Bet Per	2.3100	13100.	109	49123	No
88	GOM_TRA_1PNPDE20110722_211024_000000503104_00402_49123_6453.N1	22-JUL-2011 21:10:24	Twi_and_stray	49.500	150	44Zet Per	2.8900	28000.	99	49123	No
89	GOM_TRA_1PNPDE20110722_211312_000000473104_00402_49123_6454.N1	22-JUL-2011 21:13:12	Twilight	46.500	146	25Eta Tau	2.8730	15200.	93	49123	No

90	GOM_TRA_1PNPDE20110722_211448_000000463104_00402_49123_6455.N1	22-JUL-2011 21:14:48	Dark	46.000	13	87Alp Tau	0.86700	3800.0	92	49123	No
91	GOM_TRA_1PNPDE20110722_212447_000000513104_00402_49123_6460.N1	22-JUL-2011 21:24:47	Dark	50.500	165	34Gam Eri	2.9500	3200.0	101	49123	No
92	GOM_TRA_1PNPDE20110722_213401_000000443104_00402_49123_6461.N1	22-JUL-2011 21:34:01	Dark	43.500	157	The1Eri	2.9060	9300.0	87	49123	No
93	GOM_TRA_1PNPDE20110722_213957_000000463104_00403_49124_6462.N1	22-JUL-2011 21:39:57	Dark	46.000	9	Alp Eri	0.45300	24000.	92	49124	No
94	GOM_TRA_1PNPDE20110722_214349_000000543104_00403_49124_6463.N1	22-JUL-2011 21:43:49	Straylight	54.000	84	Alp Phe	2.3970	4500.0	108	49124	No
95	GOM_TRA_1PNPDE20110722_215019_000000453104_00403_49124_6464.N1	22-JUL-2011 21:50:19	Straylight	44.500	31	Alp Gru	1.7340	15200.	89	49124	No
96	GOM_TRA_1PNPDE20110722_215331_000000483104_00403_49124_6465.N1	22-JUL-2011 21:53:31	Straylight	47.500	172	Gam Gru	3.0030	13100.	95	49124	No
97	GOM_TRA_1PNPDE20110722_221038_000000423104_00403_49124_6466.N1	22-JUL-2011 22:10:38	Bright	41.500	11	53Alp Aql	0.76500	8000.0	83	49124	No
98	GOM_TRA_1PNPDE20110722_222017_000000433104_00403_49124_6467.N1	22-JUL-2011 22:20:17	Bright	43.000	92	53Eps Cyg	2.5000	4500.0	86	49124	No
99	GOM_TRA_1PNPDE20110722_222129_000000383104_00403_49124_6468.N1	22-JUL-2011 22:21:29	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	49124	No
100	GOM_TRA_1PNPDE20110722_222312_000000483104_00403_49124_6469.N1	22-JUL-2011 22:23:12	Bright	48.000	19	50Alp Cyg	1.2460	10500.	96	49124	No
101	GOM_TRA_1PNPDE20110722_222825_000000433104_00403_49124_6470.N1	22-JUL-2011 22:28:25	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	49124	No
102	GOM_TRA_1PNPDE20110722_223709_000000493104_00403_49124_6471.N1	22-JUL-2011 22:37:09	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	49124	No
103	GOM_TRA_1PNPDE20110722_224250_000000653104_00403_49124_6472.N1	22-JUL-2011 22:42:50	Bright	65.000	160	23Gam Per	2.9300	4700.0	130	49124	No
104	GOM_TRA_1PNPDE20110722_224419_000000643104_00403_49124_6473.N1	22-JUL-2011 22:44:19	Bright	64.000	35	33Alp Per	1.7950	6250.0	128	49124	No
105	GOM_TRA_1PNPDE20110722_224552_000000383104_00403_49124_6474.N1	22-JUL-2011 22:45:52	Bright	38.000	6	13Alp Aur	0.080000	3400.0	76	49124	No
106	GOM_TRA_1PNPDE20110722_224723_000000553104_00403_49124_6475.N1	22-JUL-2011 22:47:23	Bright	55.000	79	26Bet Per	2.3100	13100.	110	49124	No
107	GOM_TRA_1PNPDE20110722_225038_000000493104_00403_49124_6476.N1	22-JUL-2011 22:50:38	Twilight	49.000	150	44Zet Per	2.8900	28000.	98	49124	No
108	GOM_TRA_1PNPDE20110722_225326_000000503104_00403_49124_6477.N1	22-JUL-2011 22:53:26	Twilight	49.500	146	25Eta Tau	2.8730	15200.	99	49124	No
109	GOM_TRA_1PNPDE20110722_225502_000000473104_00403_49124_6478.N1	22-JUL-2011 22:55:02	Dark	47.000	13	87Alp Tau	0.86700	3800.0	94	49124	No
110	GOM_TRA_1PNPDE20110722_230502_000000513104_00403_49124_6494.N1	22-JUL-2011 23:05:02	Dark	51.000	165	34Gam Eri	2.9500	3200.0	102	49124	Yes
111	GOM_TRA_1PNPDE20110722_231416_000000463104_00403_49124_6495.N1	22-JUL-2011 23:14:16	Dark	46.000	157	The1Eri	2.9060	9300.0	92	49124	No
112	GOM_TRA_1PNPDE20110722_232011_000000563104_00404_49125_6496.N1	22-JUL-2011 23:20:11	Dark	55.500	9	Alp Eri	0.45300	24000.	111	49125	No
113	GOM_TRA_1PNPDE20110722_232404_000000583104_00404_49125_6497.N1	22-JUL-2011 23:24:04	Straylight	57.500	84	Alp Phe	2.3970	4500.0	115	49125	No
114	GOM_TRA_1PNPDE20110722_233034_000000493104_00404_49125_6498.N1	22-JUL-2011 23:30:34	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	49125	No
115	GOM_TRA_1PNPDE20110722_233345_000000493104_00404_49125_6499.N1	22-JUL-2011 23:33:45	Straylight	48.500	172	Gam Gru	3.0030	13100.	97	49125	No
116	GOM_TRA_1PNPDE20110722_235051_000000423104_00404_49125_6500.N1	22-JUL-2011 23:50:51	Bright	41.500	11	53Alp Aql	0.76500	8000.0	83	49125	No

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



4. Overview of dark signal processing per product

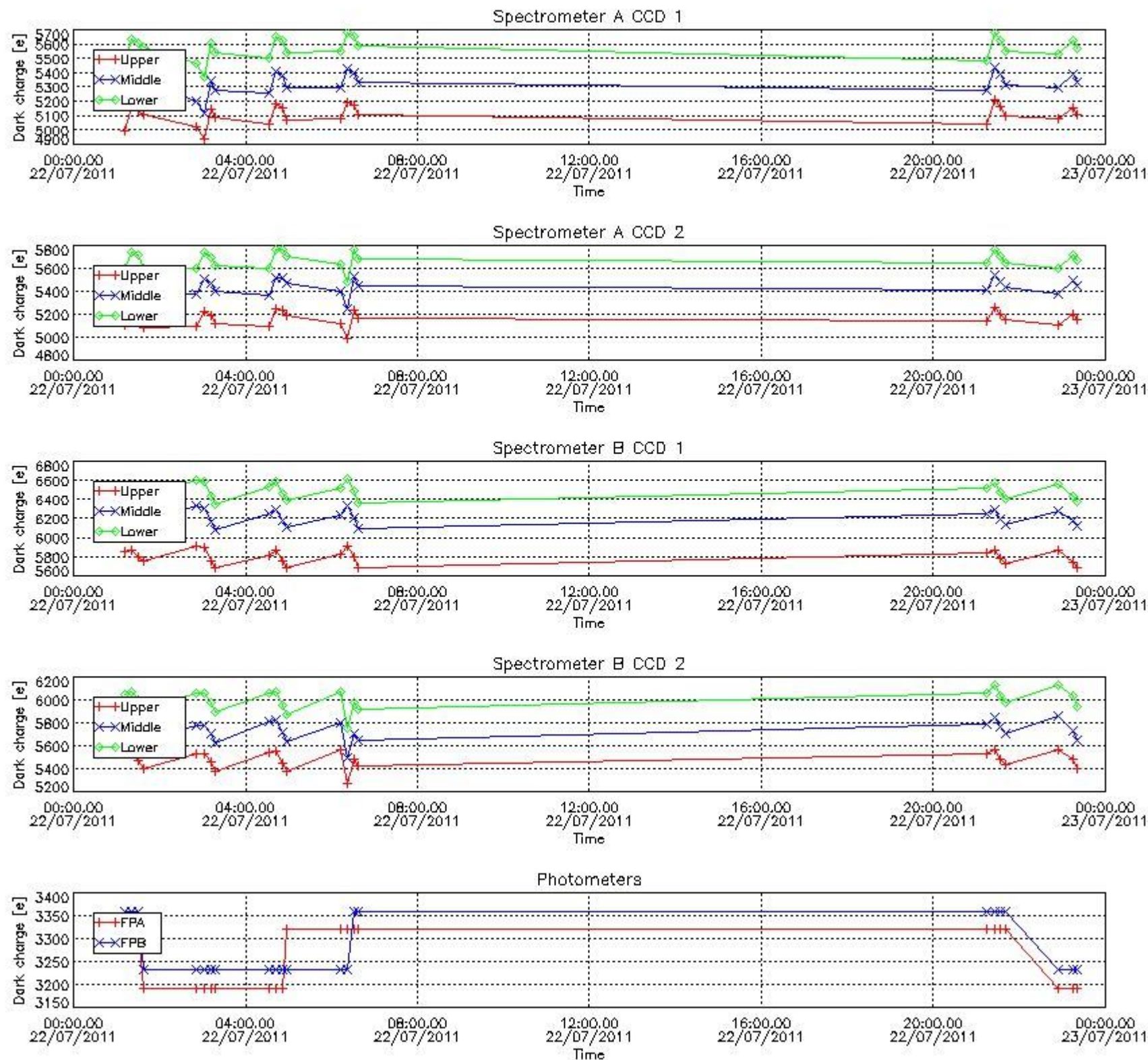
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20110722_201316_000000503104_00402_49123_6442.N1	DC map used
GOM_TRA_1PNPDE20110722_203024_000000413104_00402_49123_6443.N1	DC map used
GOM_TRA_1PNPDE20110722_204003_000000363104_00402_49123_6444.N1	DC map used
GOM_TRA_1PNPDE20110722_204115_000000413104_00402_49123_6445.N1	DC map used
GOM_TRA_1PNPDE20110722_204259_000000473104_00402_49123_6446.N1	DC map used
GOM_TRA_1PNPDE20110722_204812_000000403104_00402_49123_6447.N1	DC map used
GOM_TRA_1PNPDE20110722_205656_000000463104_00402_49123_6448.N1	DC map used
GOM_TRA_1PNPDE20110722_210236_000000543104_00402_49123_6449.N1	DC map used
GOM_TRA_1PNPDE20110722_210405_000000643104_00402_49123_6450.N1	DC map used
GOM_TRA_1PNPDE20110722_210538_000000543104_00402_49123_6451.N1	DC map used
GOM_TRA_1PNPDE20110722_210709_000000553104_00402_49123_6452.N1	DC map used
GOM_TRA_1PNPDE20110722_211024_000000503104_00402_49123_6453.N1	DC map used
GOM_TRA_1PNPDE20110722_211312_000000473104_00402_49123_6454.N1	DC map used
GOM_TRA_1PNPDE20110722_211448_000000463104_00402_49123_6455.N1	DC map used

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



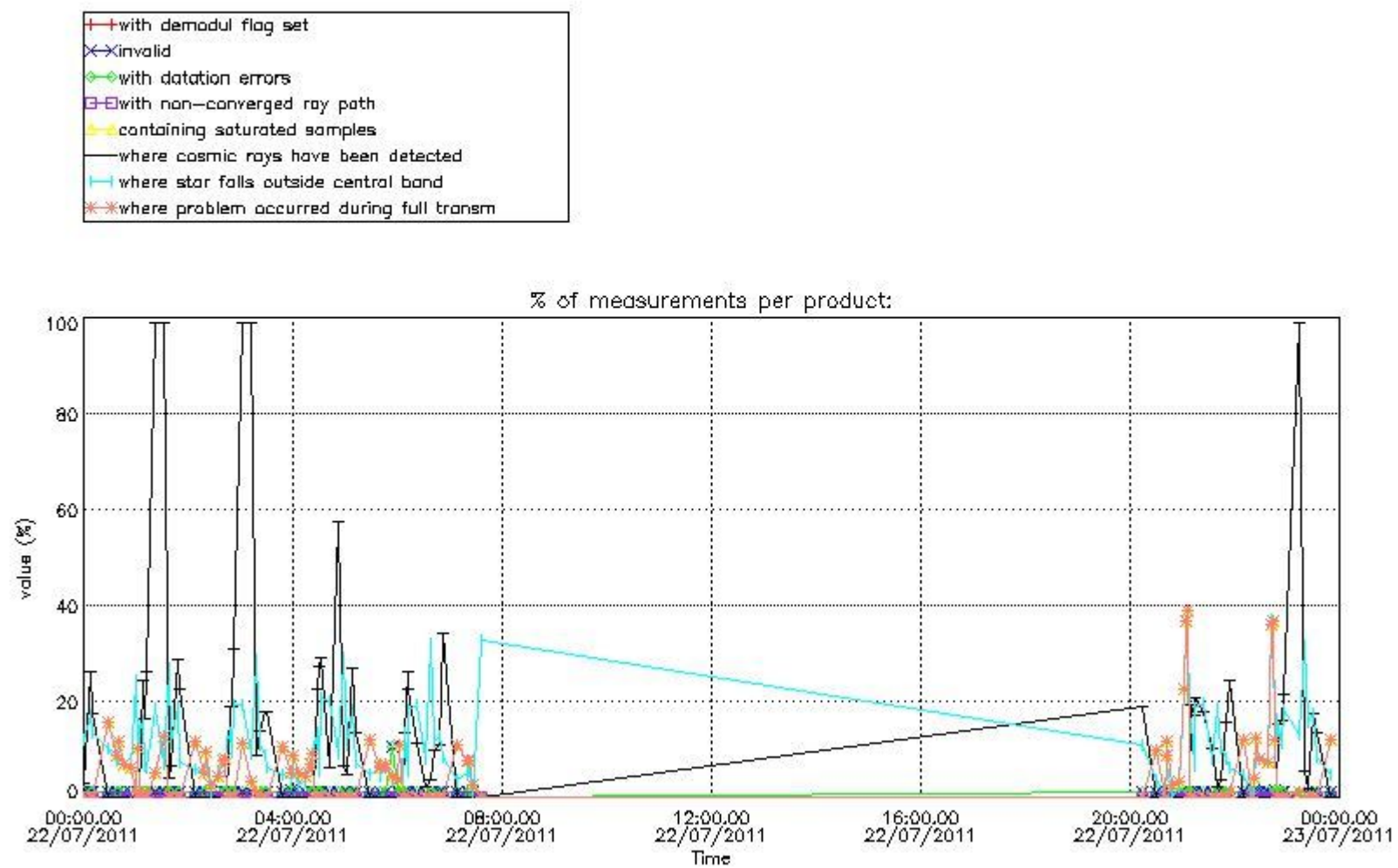
5. Demodulation flag and quality information monitoring

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.

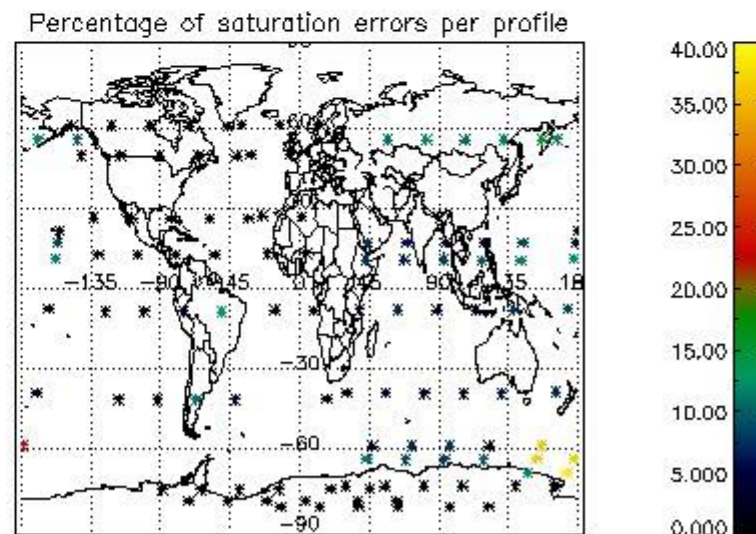
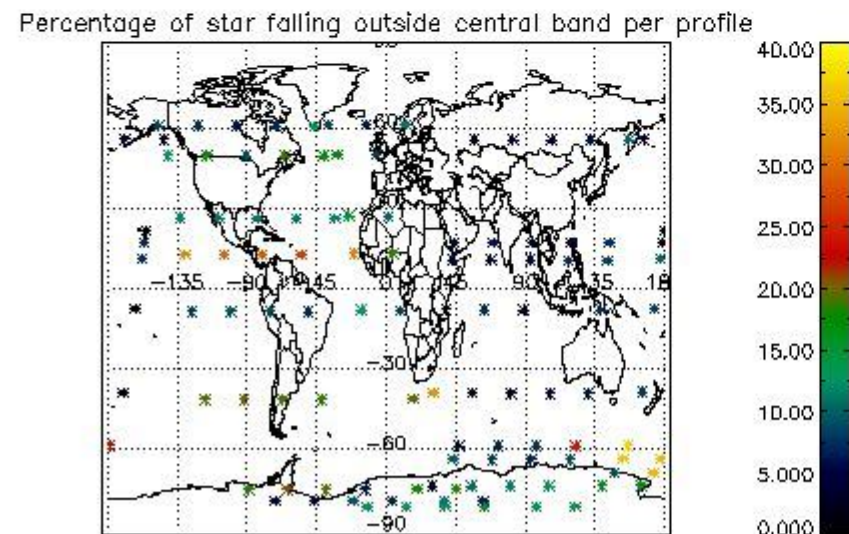
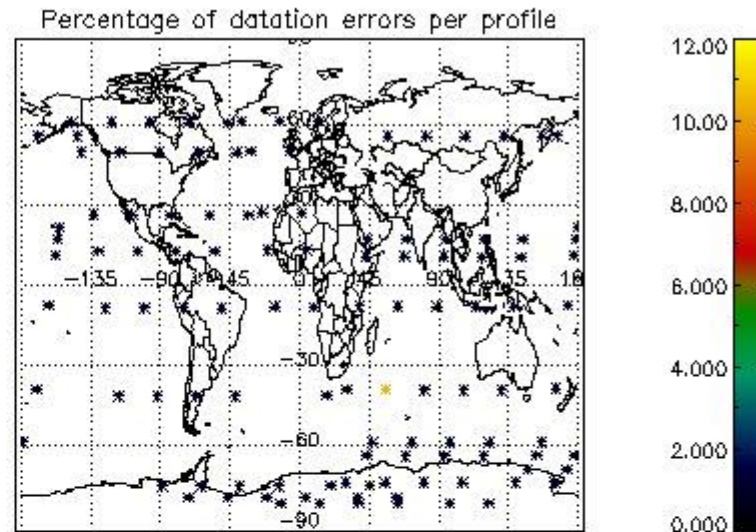
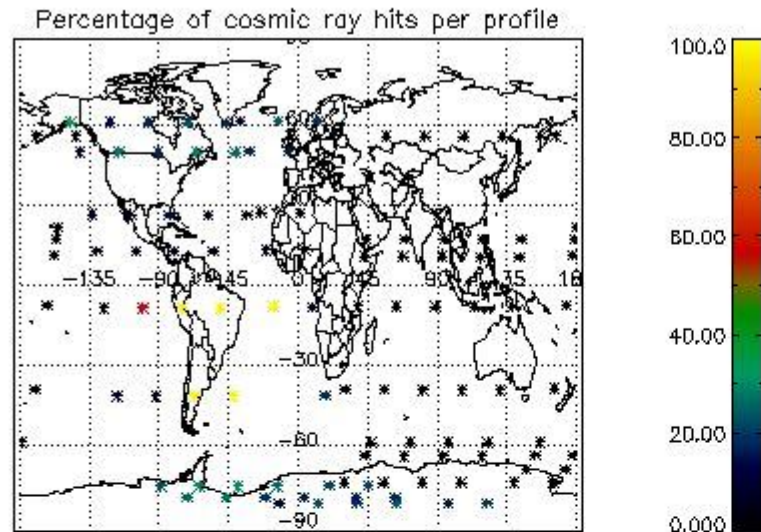
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	45.2174 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	50.4348 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



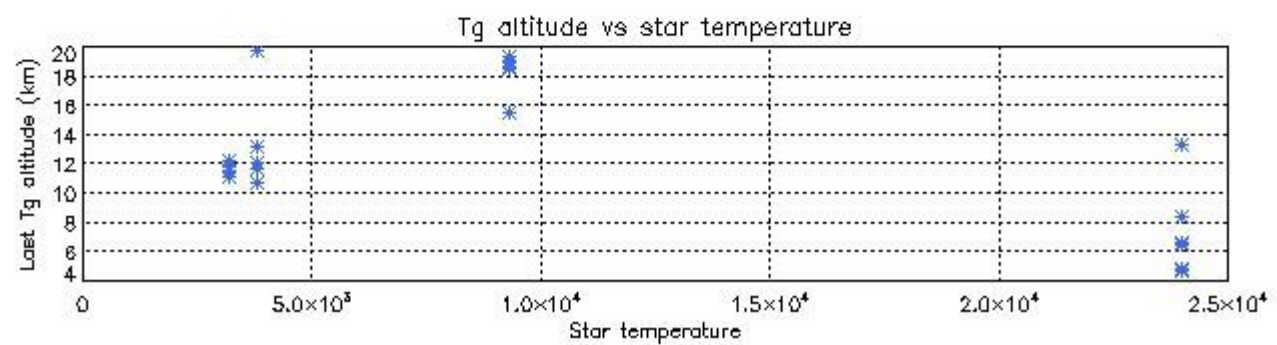
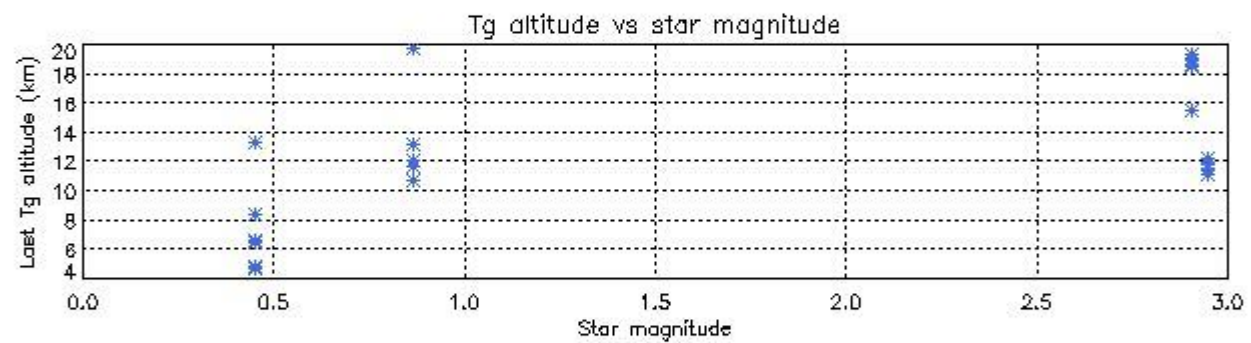
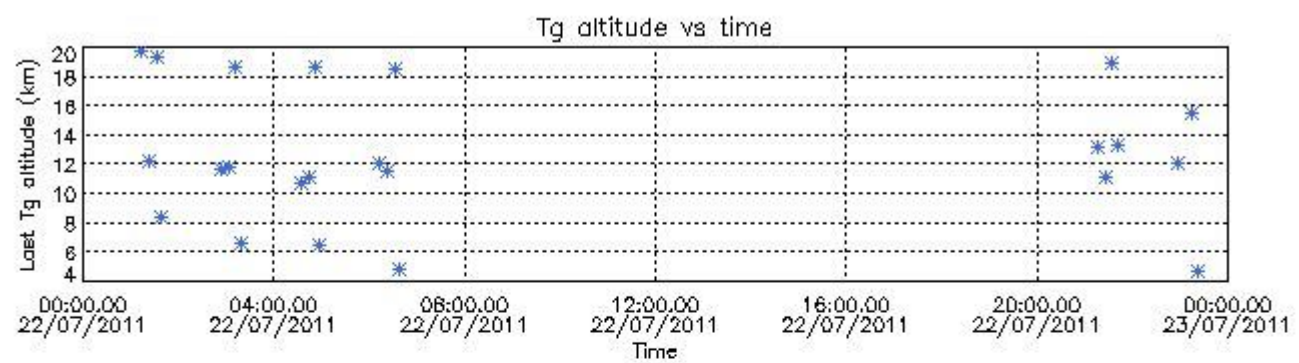
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	12.632	19.855	18.774
St. deviation:	4.6564	7.0946	1.5351
Maximum:	19.687	49.446	19.851
Minimum:	4.6584	3.8791	16.159
Number of data:	23.000	58.000	6.0000

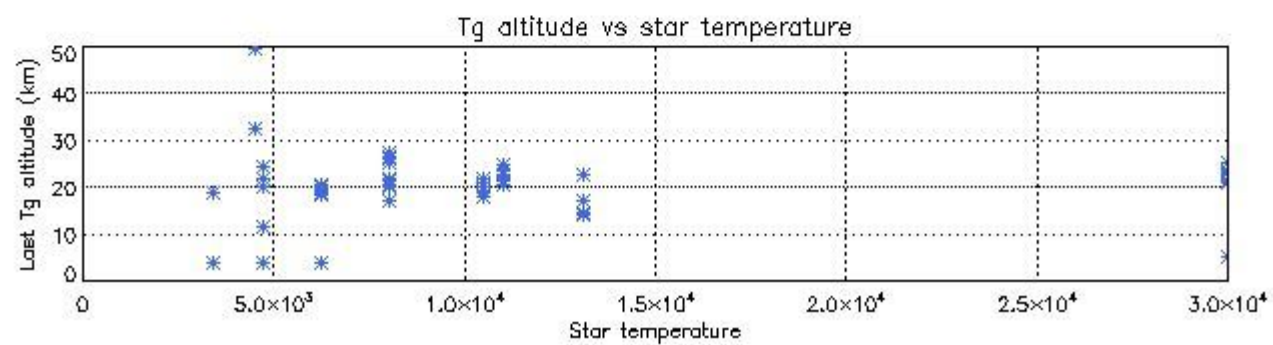
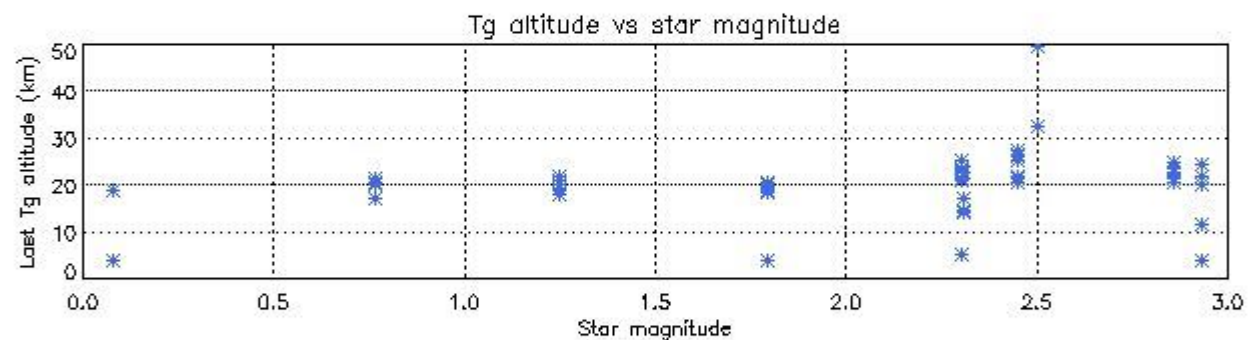
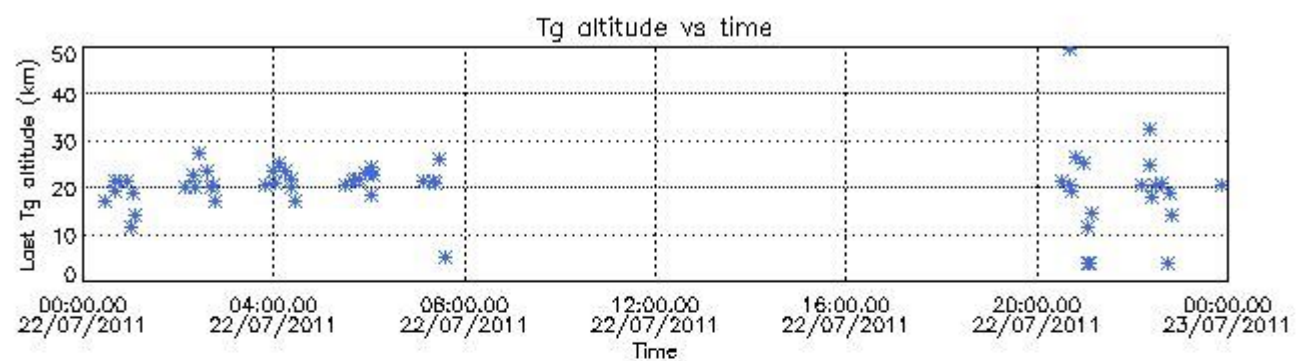
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



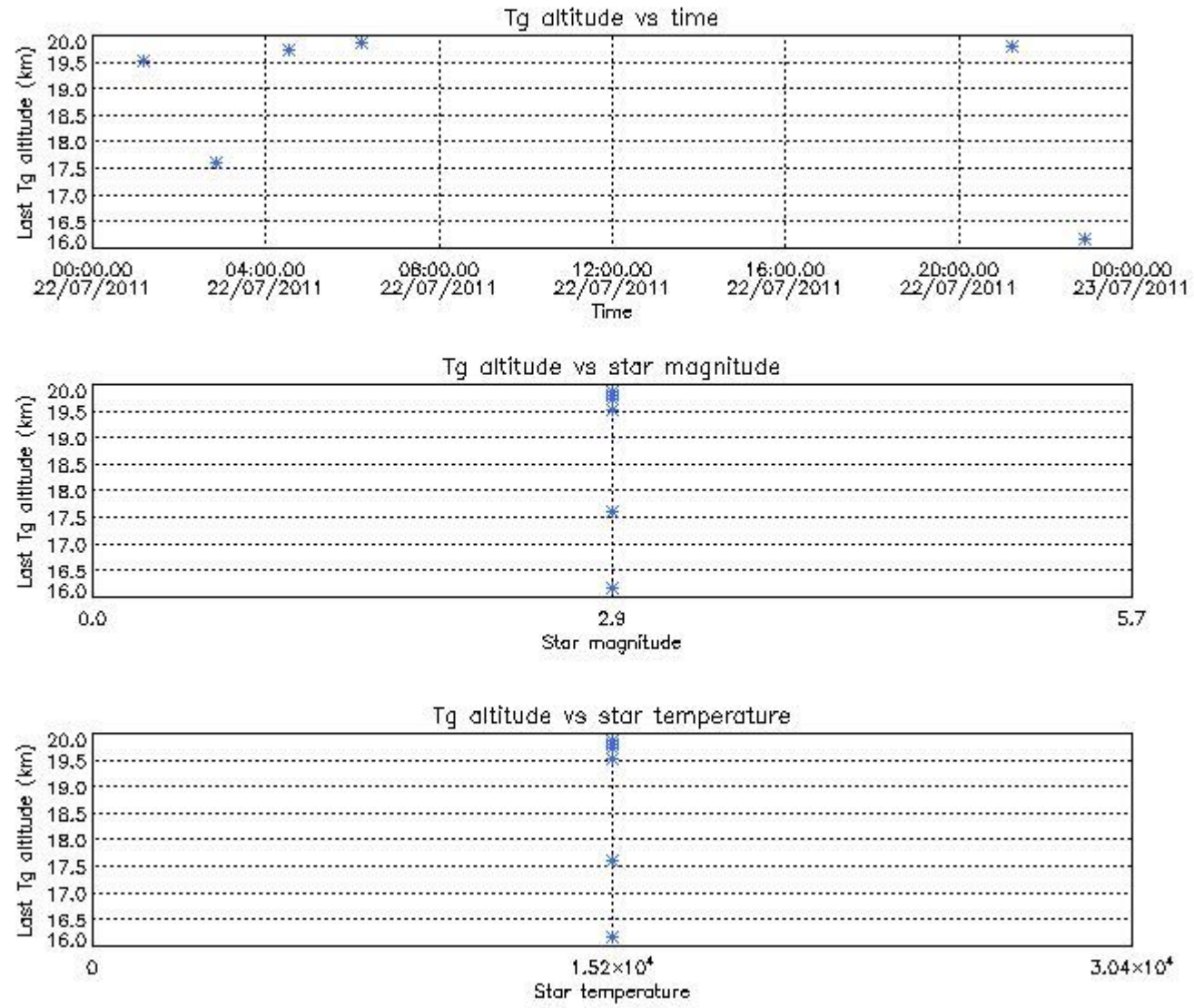
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

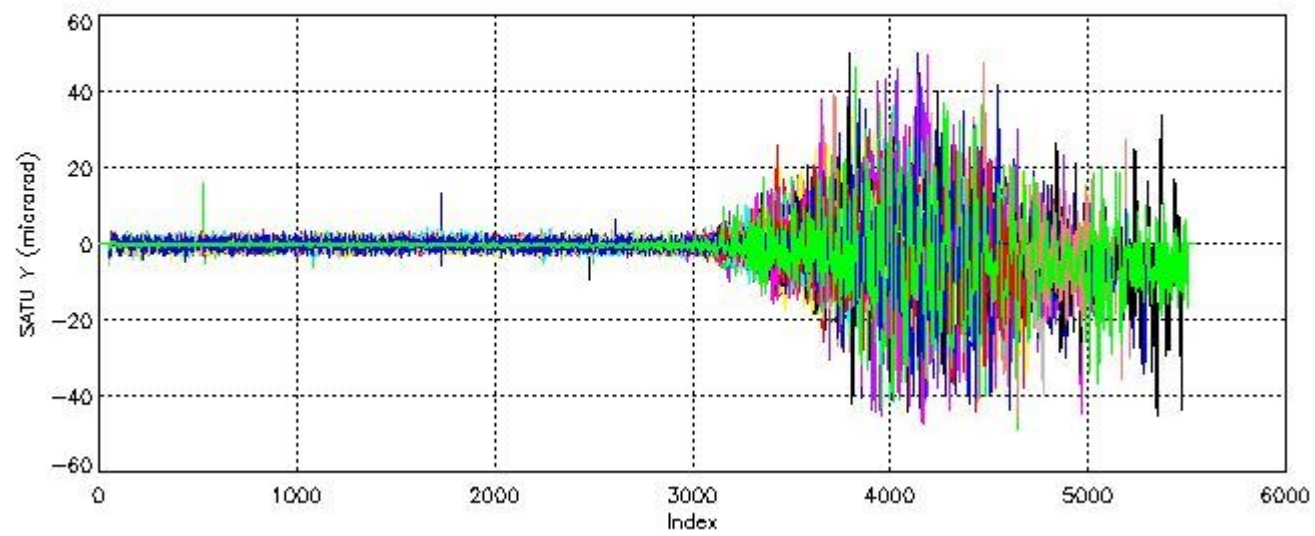
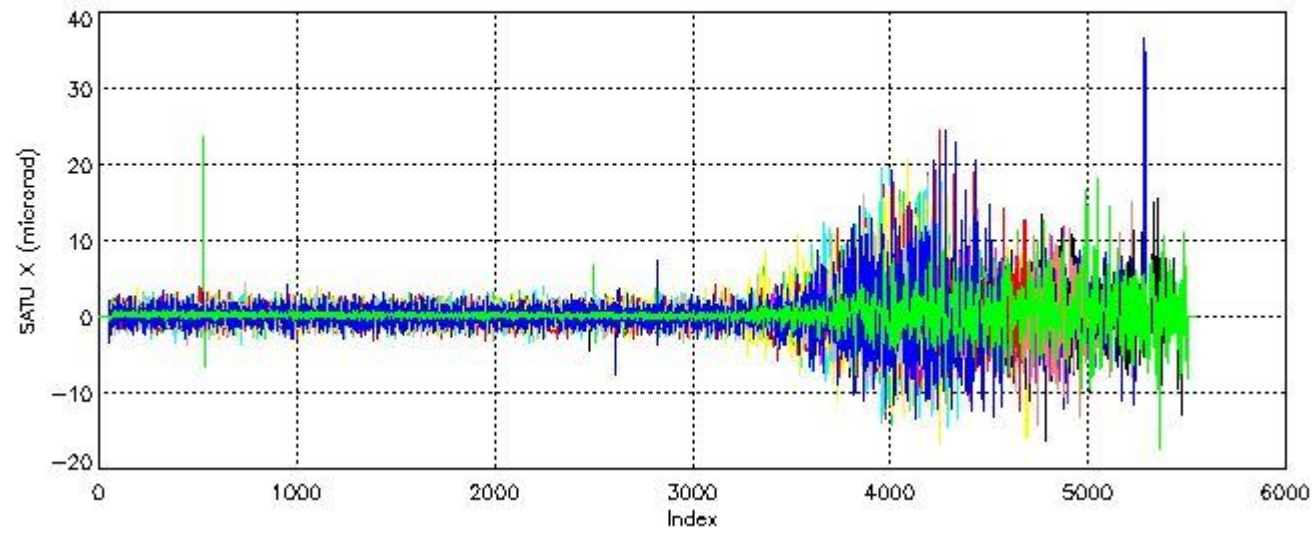


7. Star Acquisition and Tracking Unit (SATU)

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:	0.19356	-0.24381	0.21613	-0.21893
St. deviation:	0.44082	0.52661	0.69390	0.76048
Maximum:	23.700	15.900	6.4000	6.4000
Minimum:	-6.5000	-5.9000	-6.2000	-7.6000

Number of data:	22550.	22550.	61300.	61300.
90Percentile:	0.70000	0.40000	1.10000	0.70000

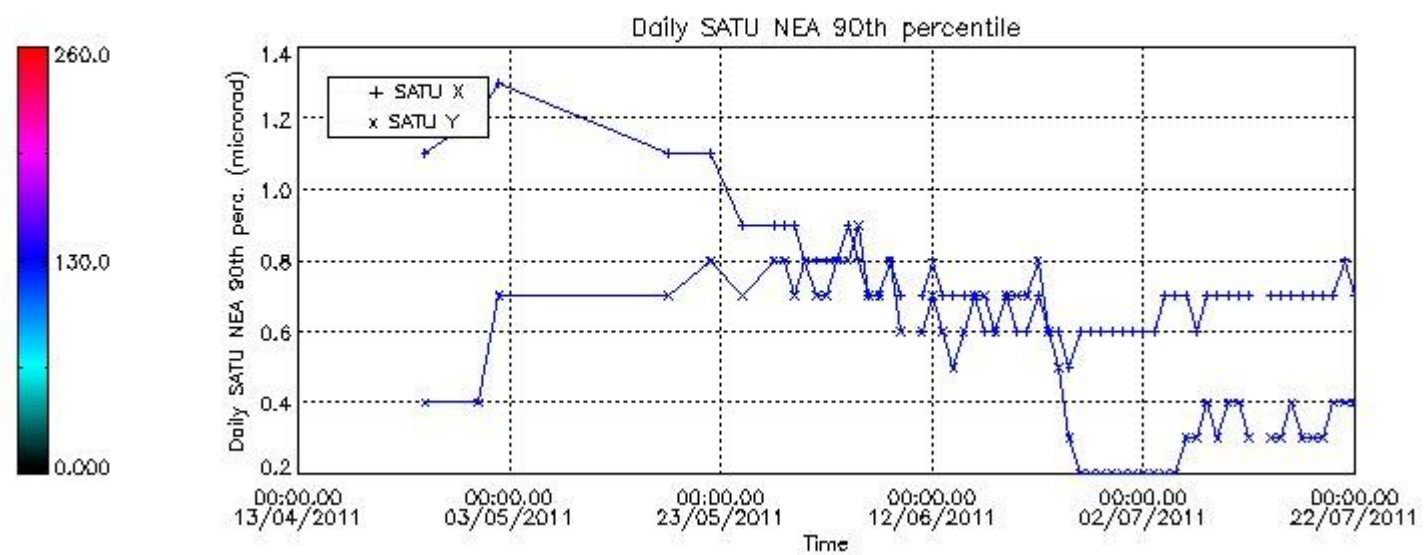
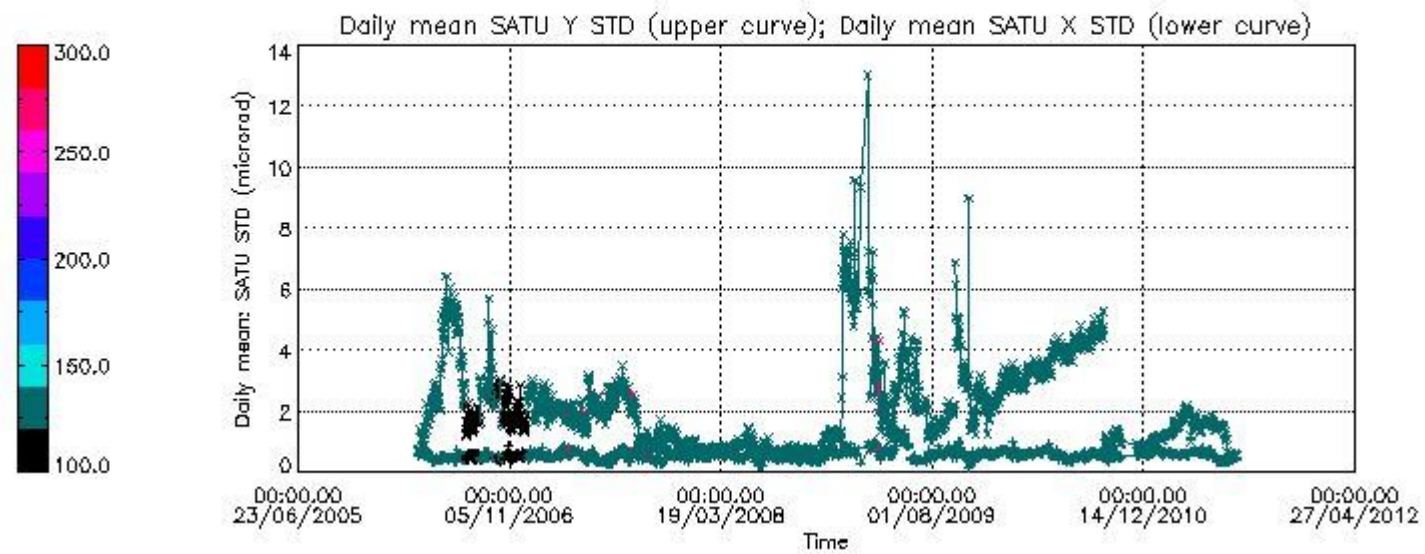
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

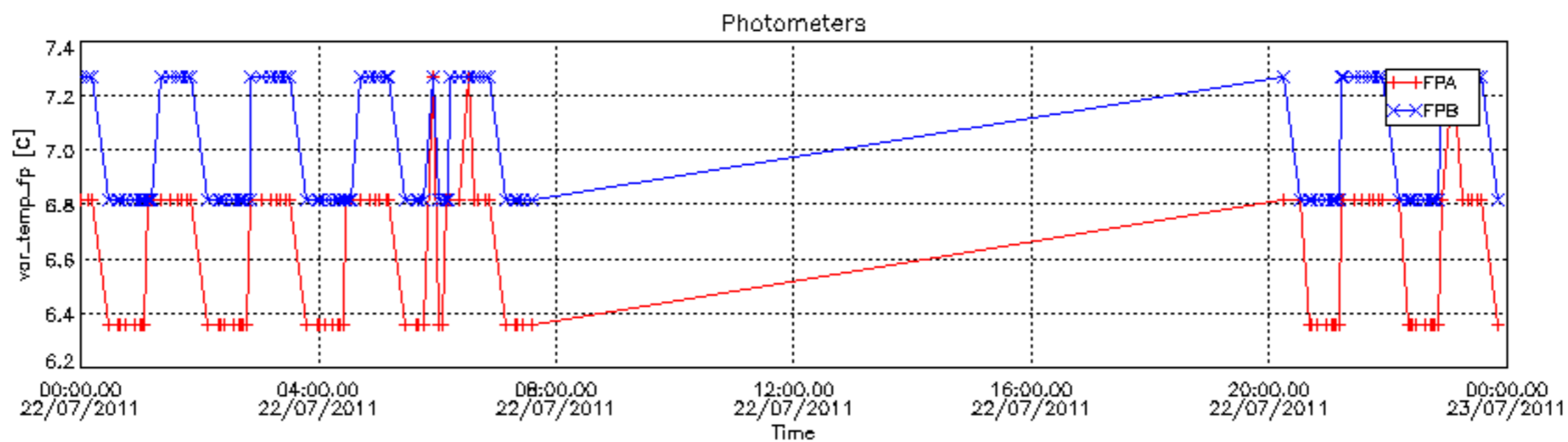
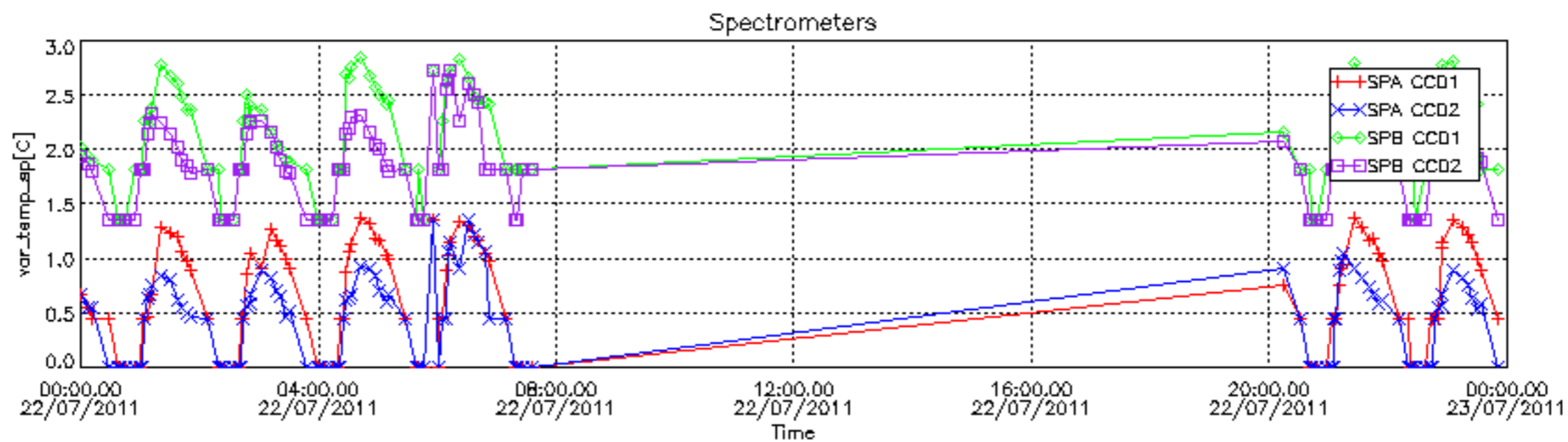
Lower curve: STD of SATU X axis

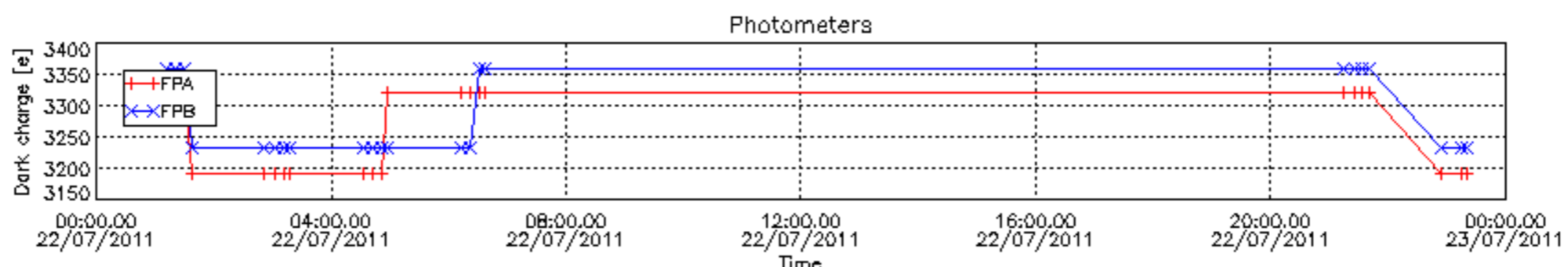
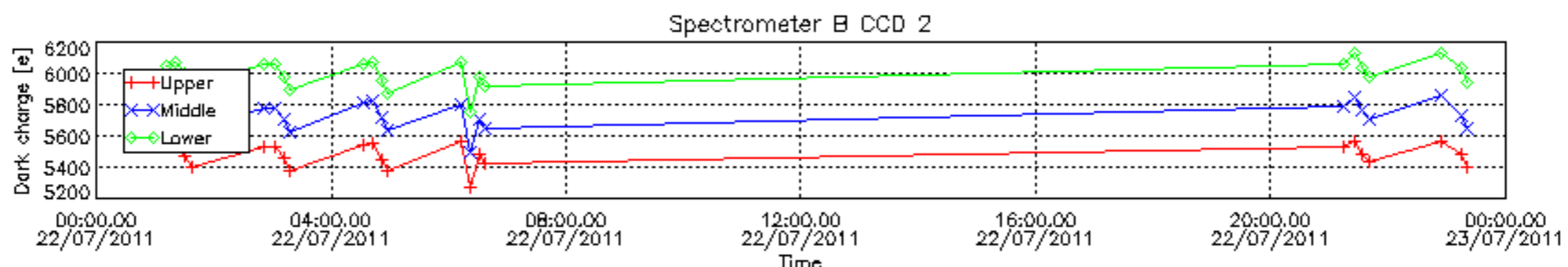
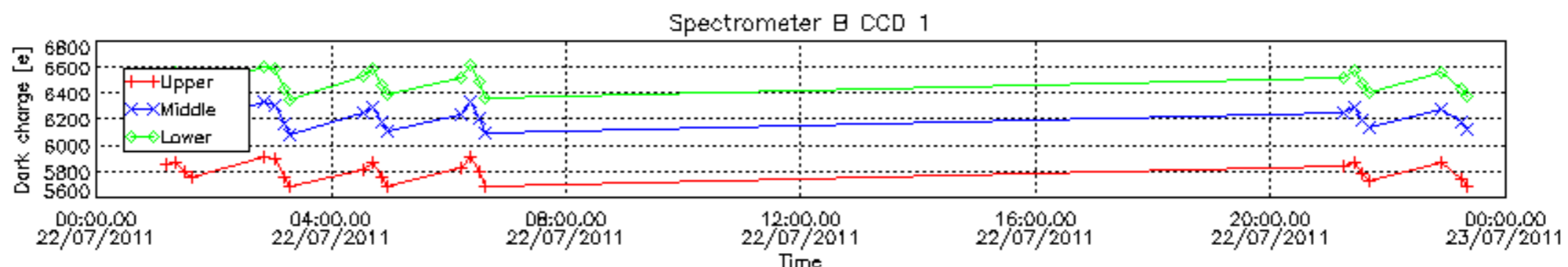
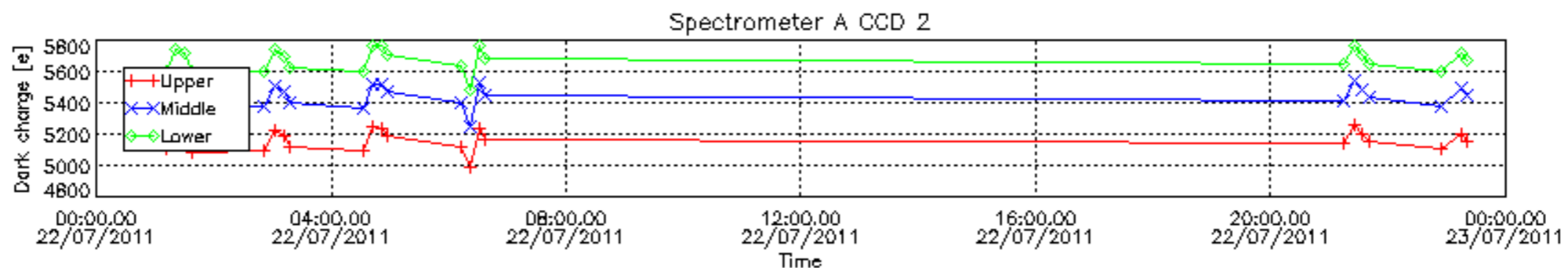
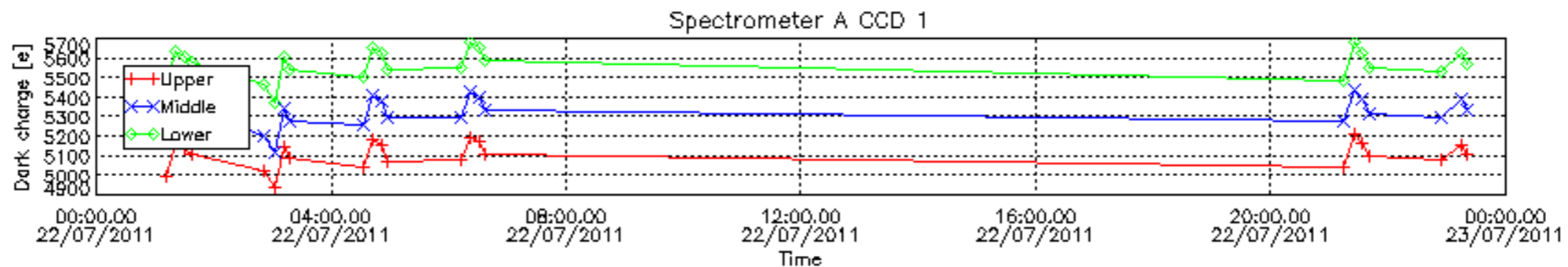


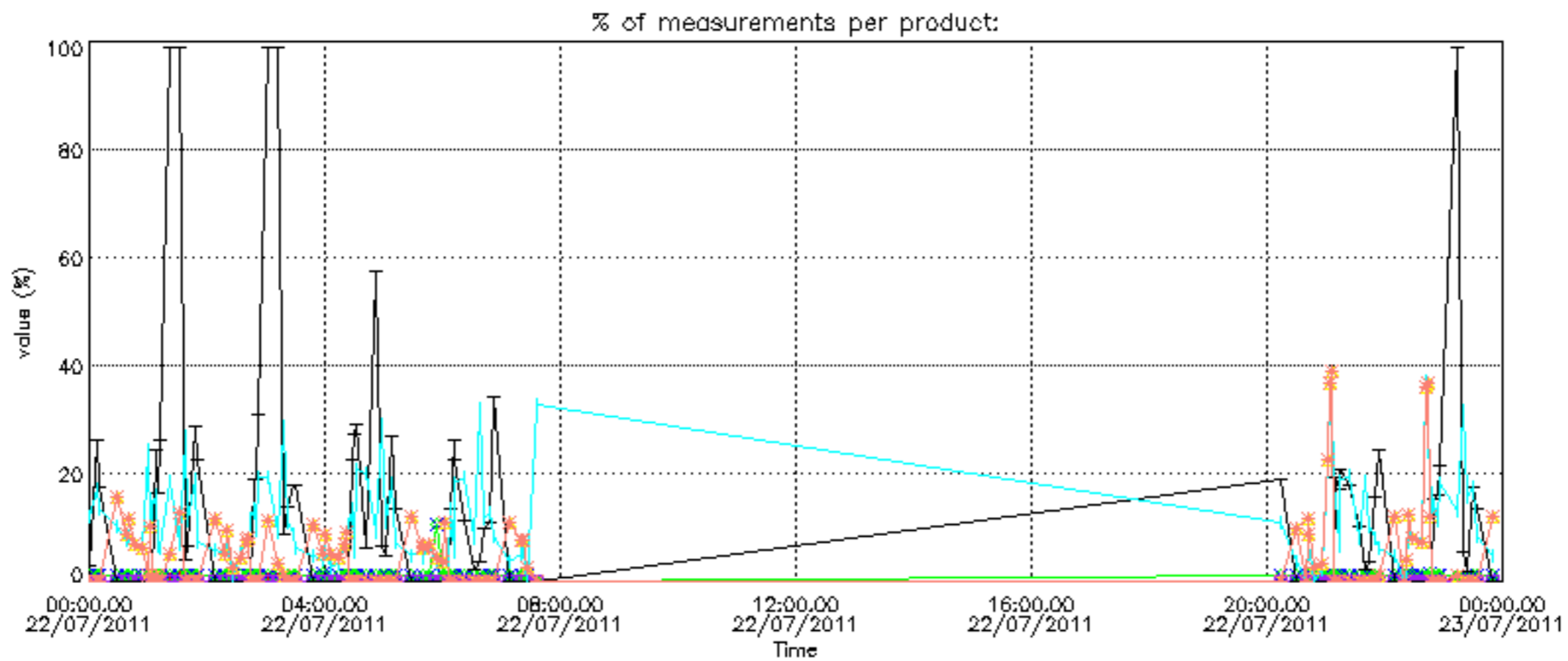
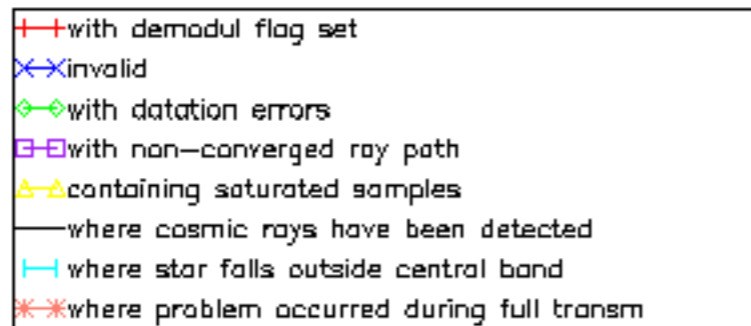
8. Auxiliary Data Files used for the production reported in section 2.4

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.

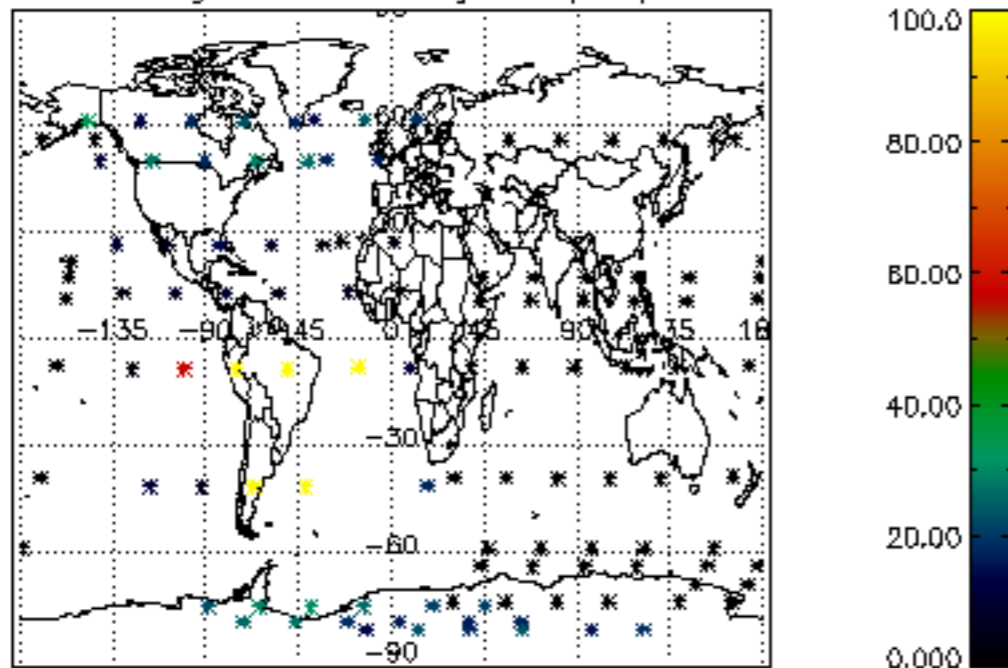
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	22-JUL-2011 00:00:33
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110718_093638_20110717_000000_20500101_000000	1	22-JUL-2011 00:00:33
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	22-JUL-2011 00:00:33
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	22-JUL-2011 00:00:33
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	22-JUL-2011 00:00:33
ECMWF_FILE	AUX_ECF_AXNECM20110721_062114_20110721_210000_20110722_090000	1	22-JUL-2011 00:00:33
ECMWF_FILE	AUX_ECF_AXNECM20110721_181212_20110722_030000_20110722_150000	42	22-JUL-2011 04:14:42
ECMWF_FILE	AUX_ECA_AXNECM20110722_063646_20110721_210000_20110722_090000	59	22-JUL-2011 05:54:55
ECMWF_FILE	AUX_ECF_AXNECM20110722_063647_20110722_150000_20110723_030000	77	22-JUL-2011 20:13:16
ECMWF_FILE	AUX_ECF_AXNECM20110722_063648_20110722_210000_20110723_090000	91	22-JUL-2011 21:24:47
OPTIONAL_ECMWF_FILE	MISSING	1	22-JUL-2011 00:00:33
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110721_102053_20110720_192917_20110730_200250	1	22-JUL-2011 00:00:33
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110722_101646_20110721_185232_20110731_210619	77	22-JUL-2011 20:13:16



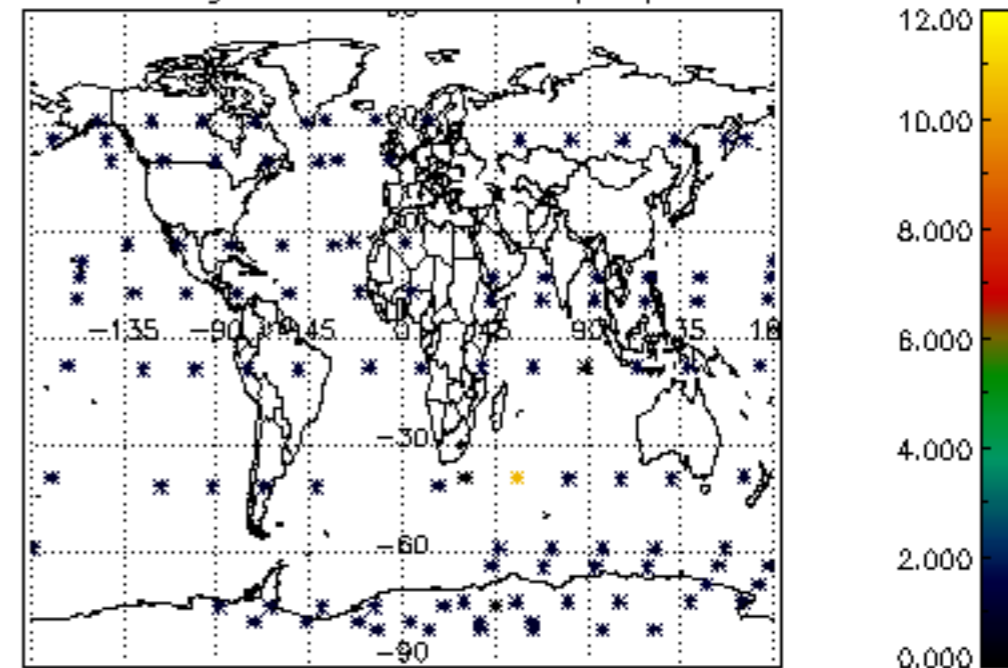




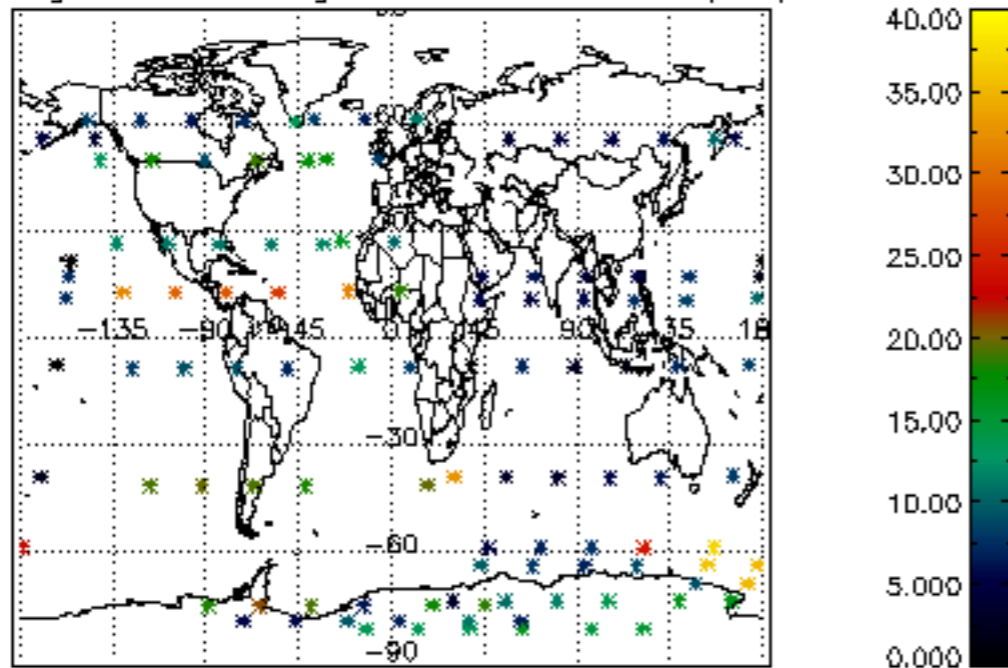
Percentage of cosmic ray hits per profile



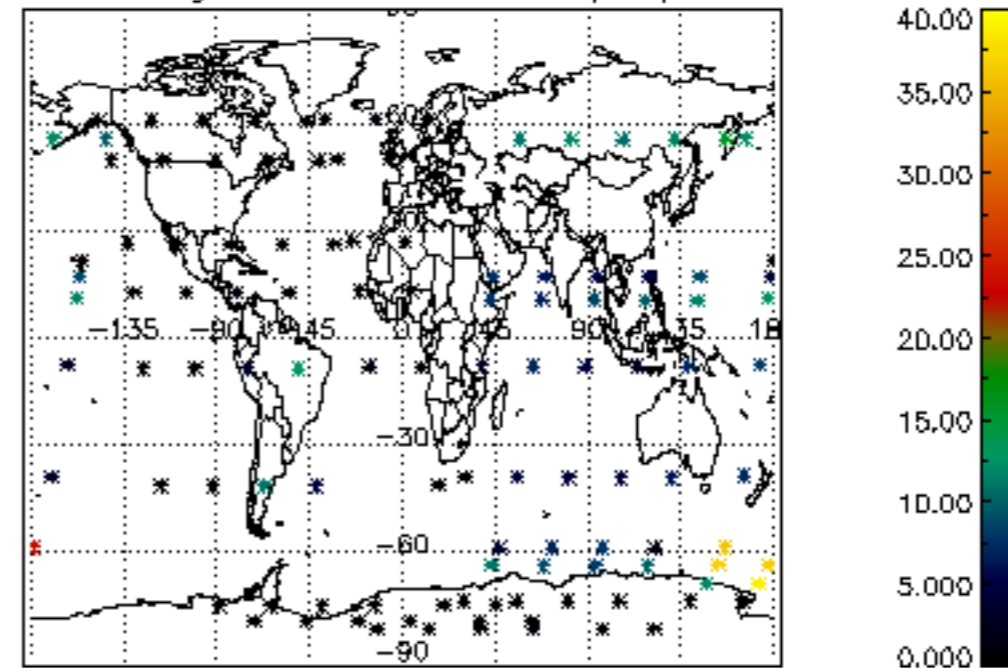
Percentage of datation errors per profile



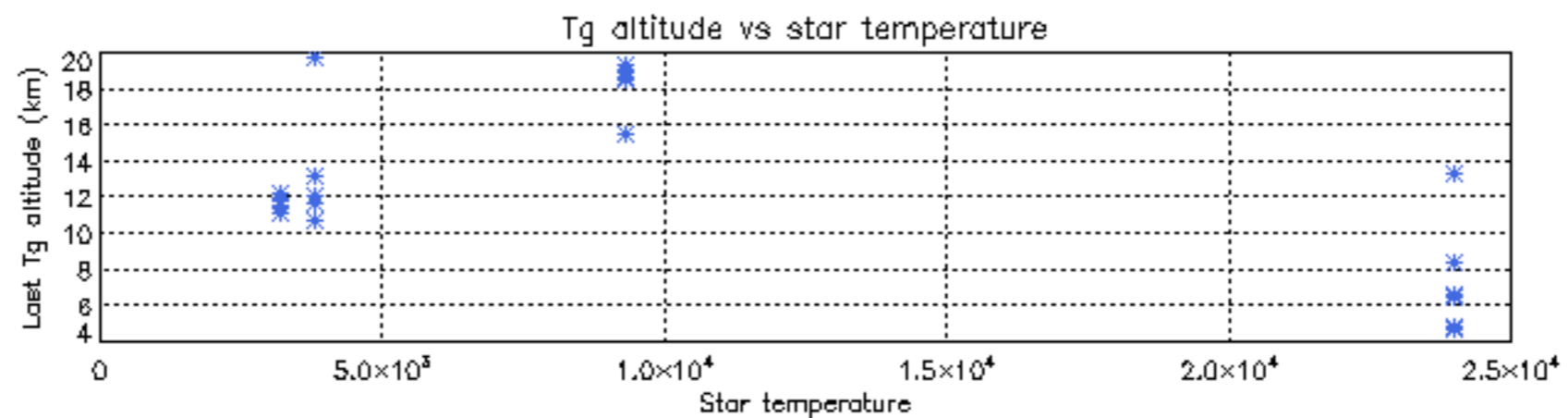
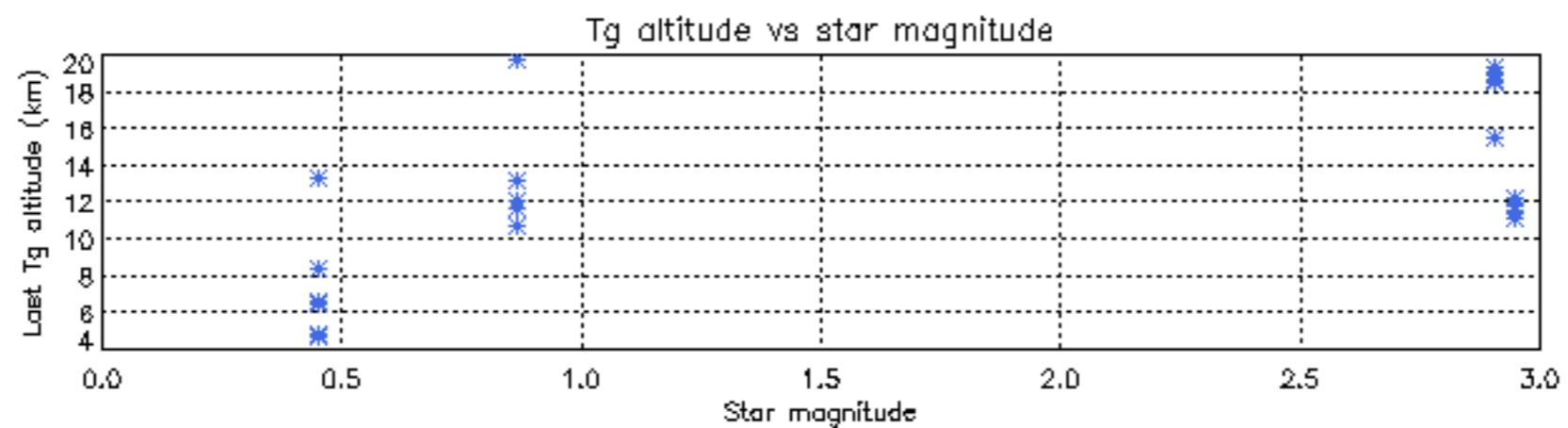
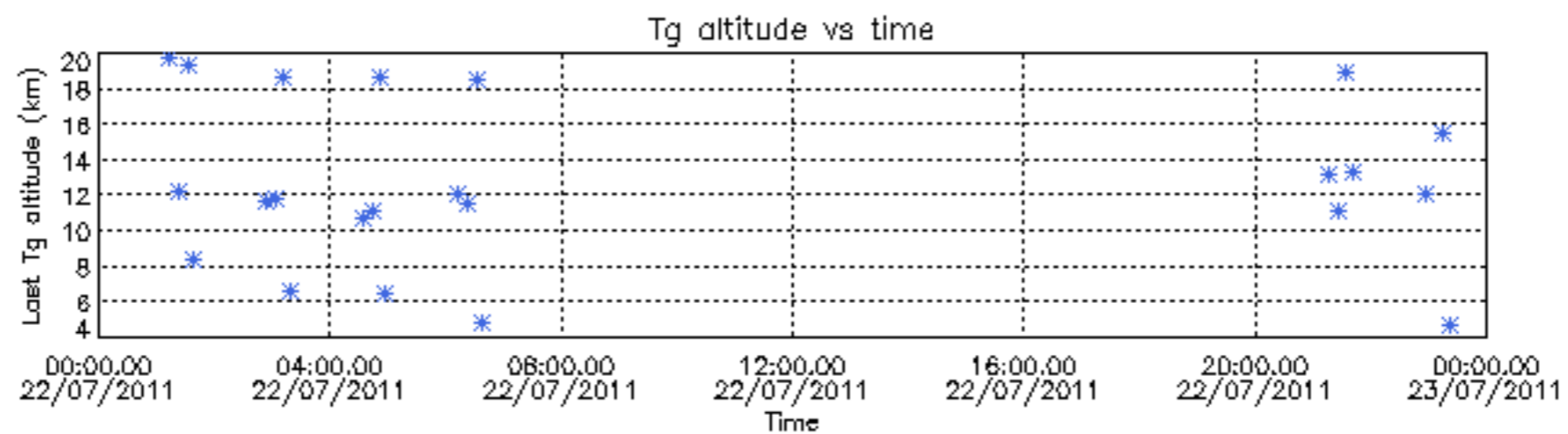
Percentage of star falling outside central band per profile



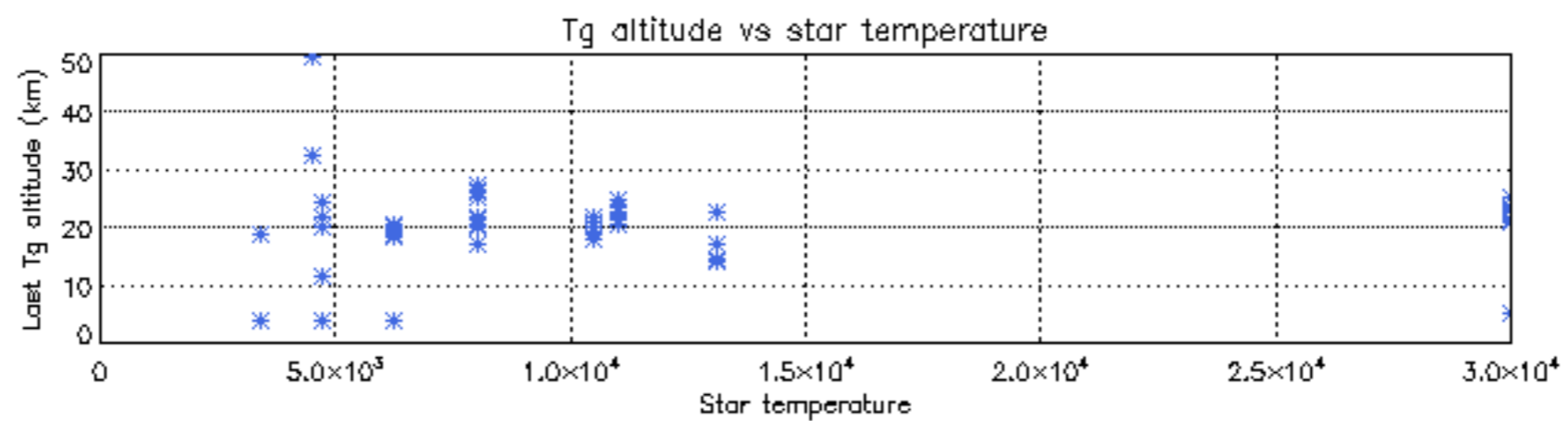
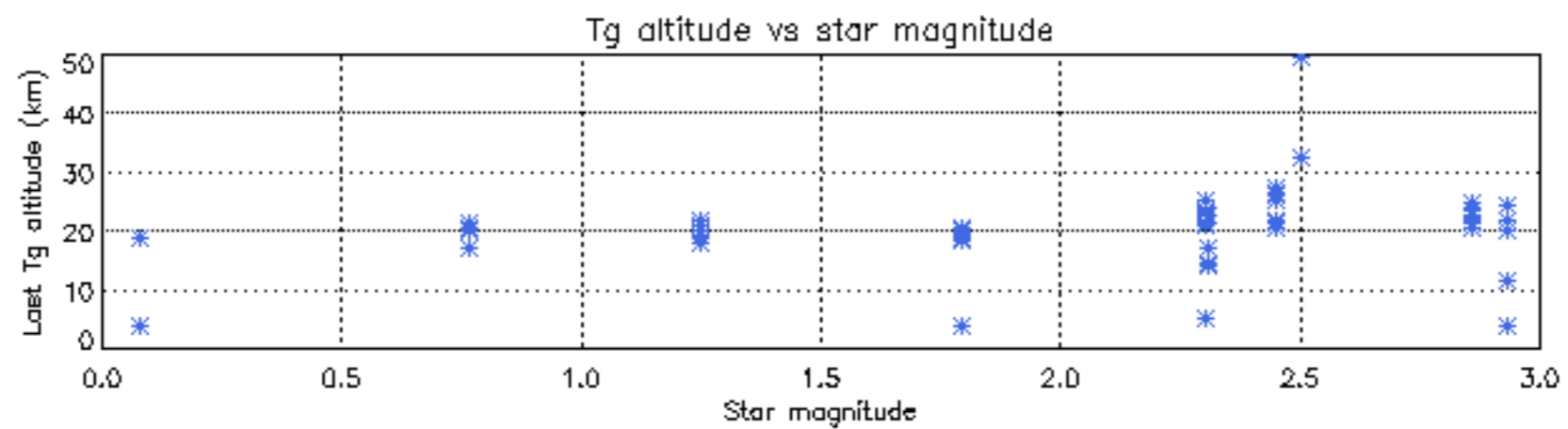
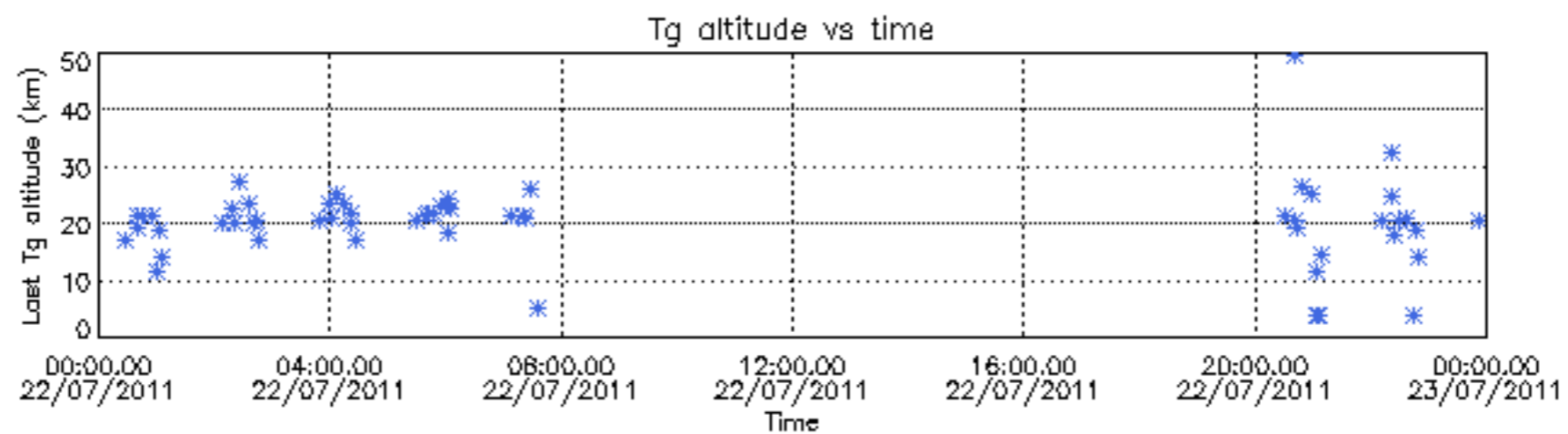
Percentage of saturation errors per profile



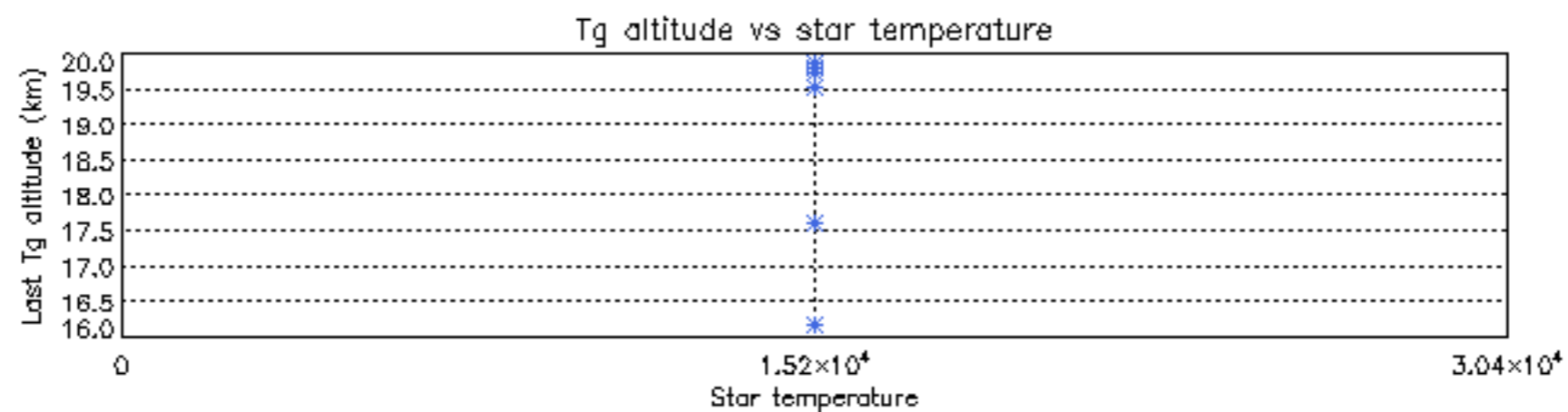
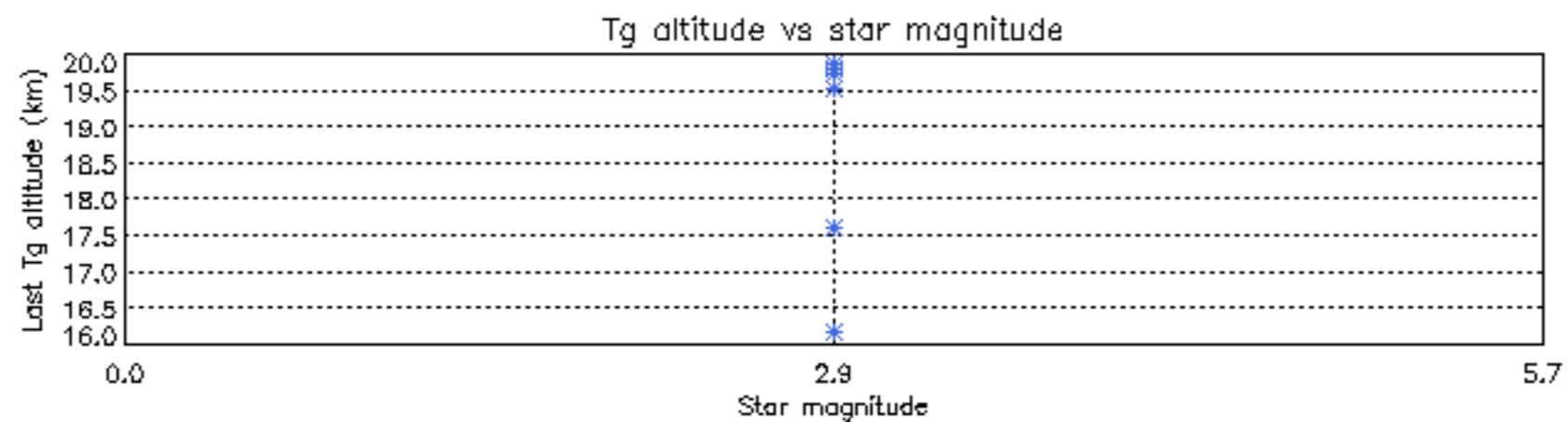
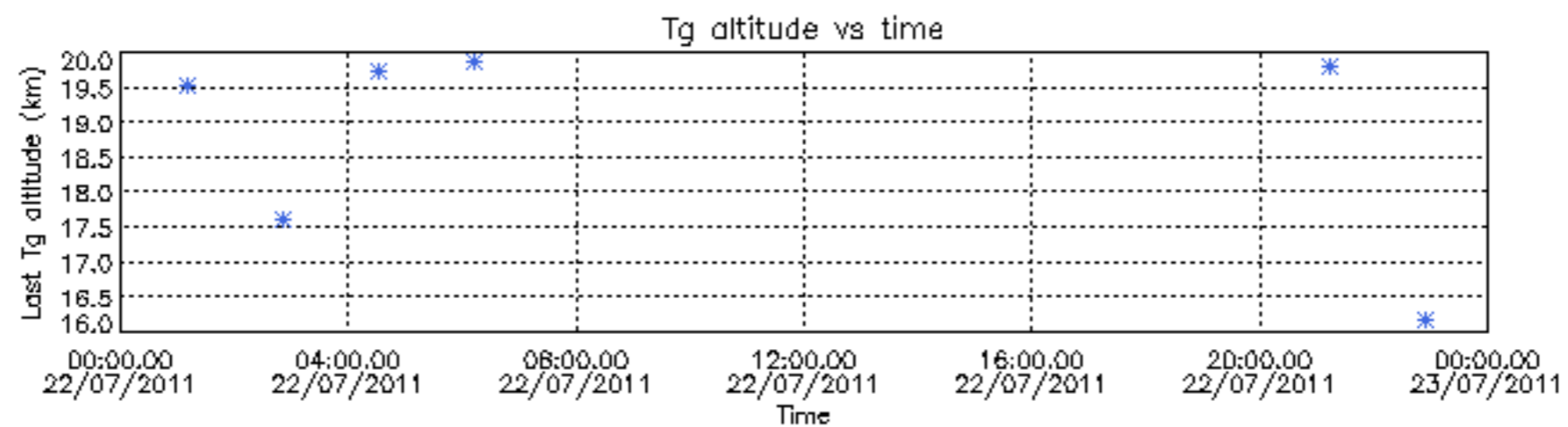
Tangent altitude at which the star is lost

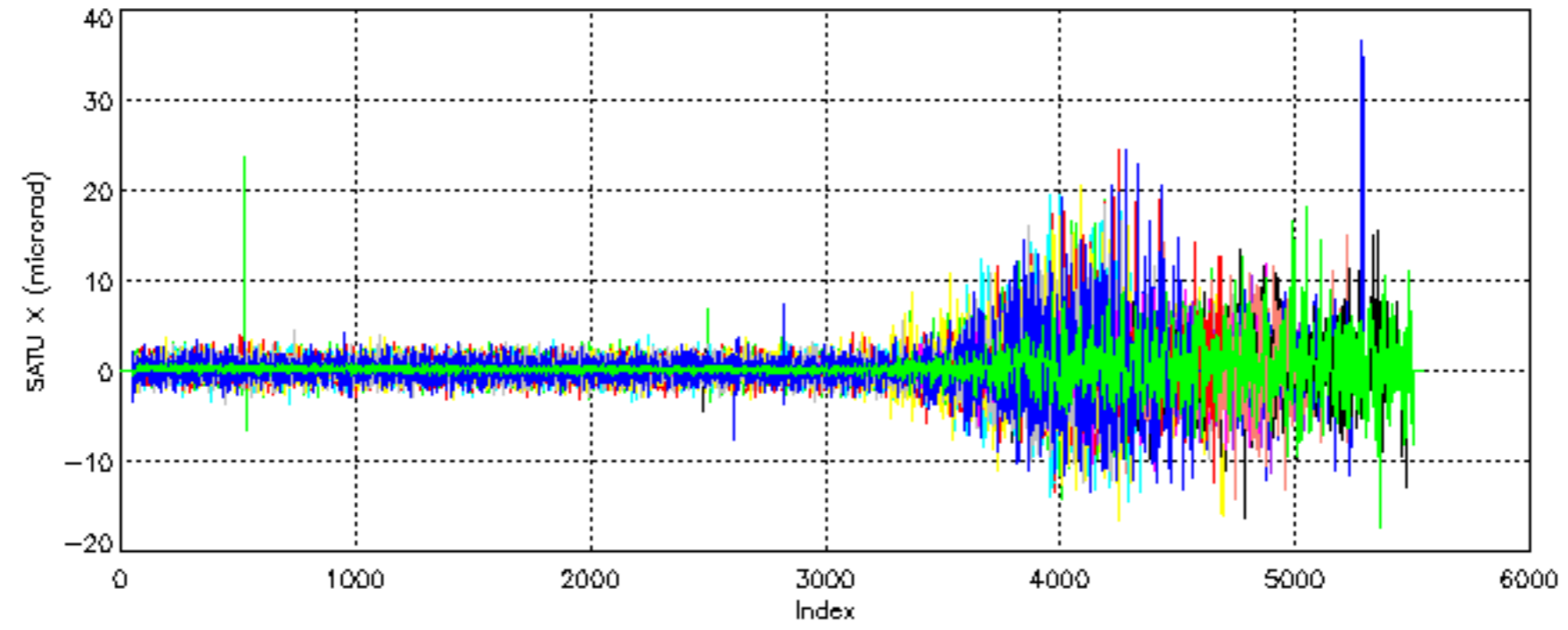


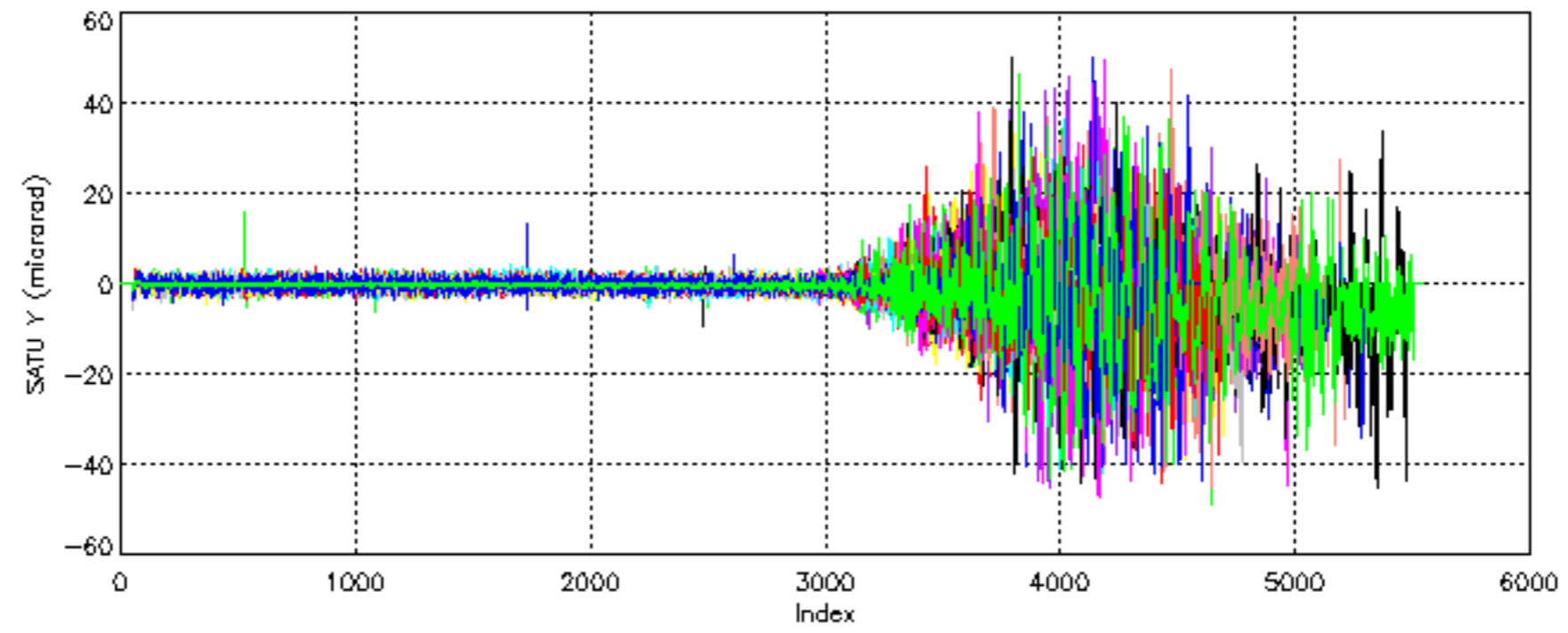
Tangent altitude at which the star is lost

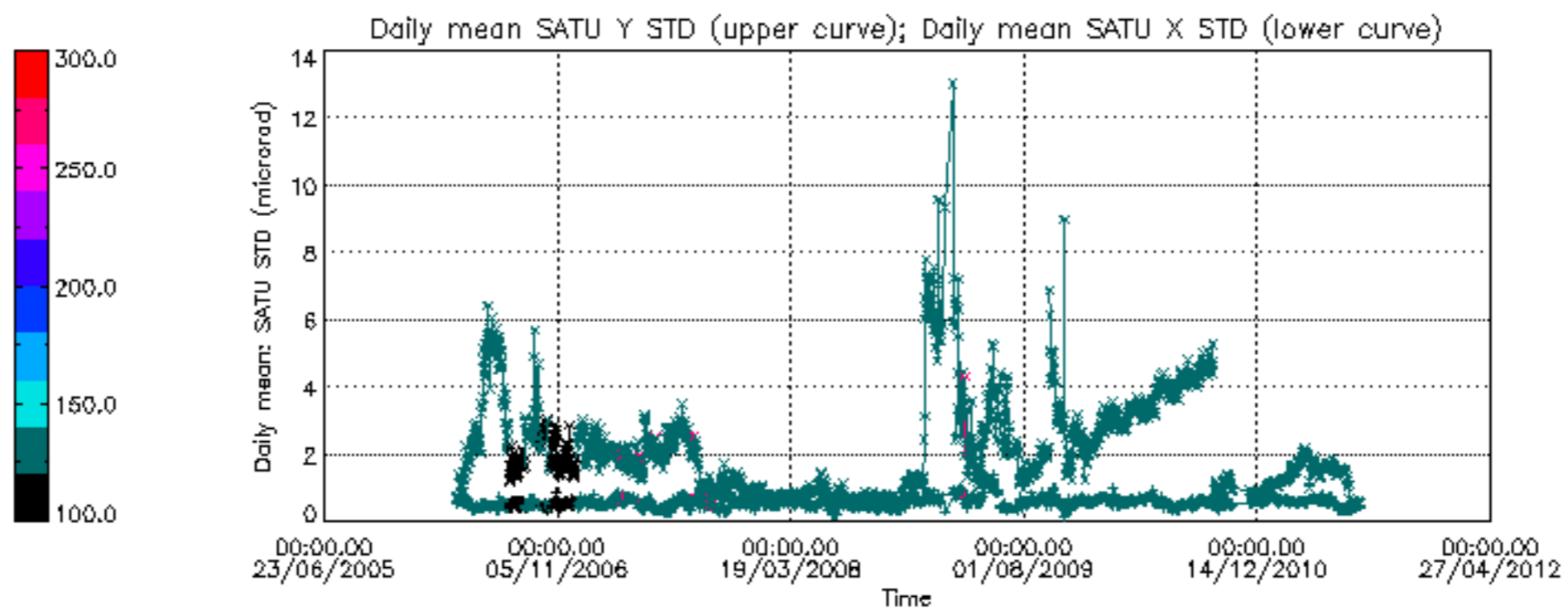


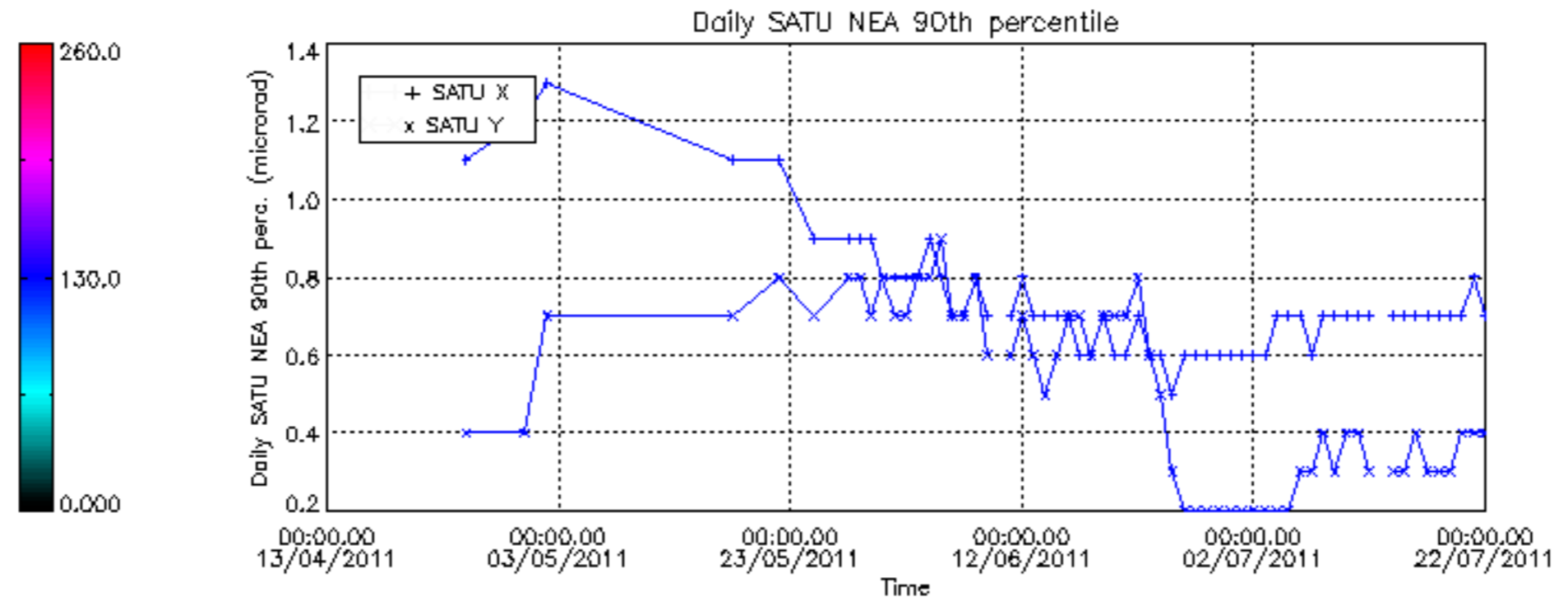
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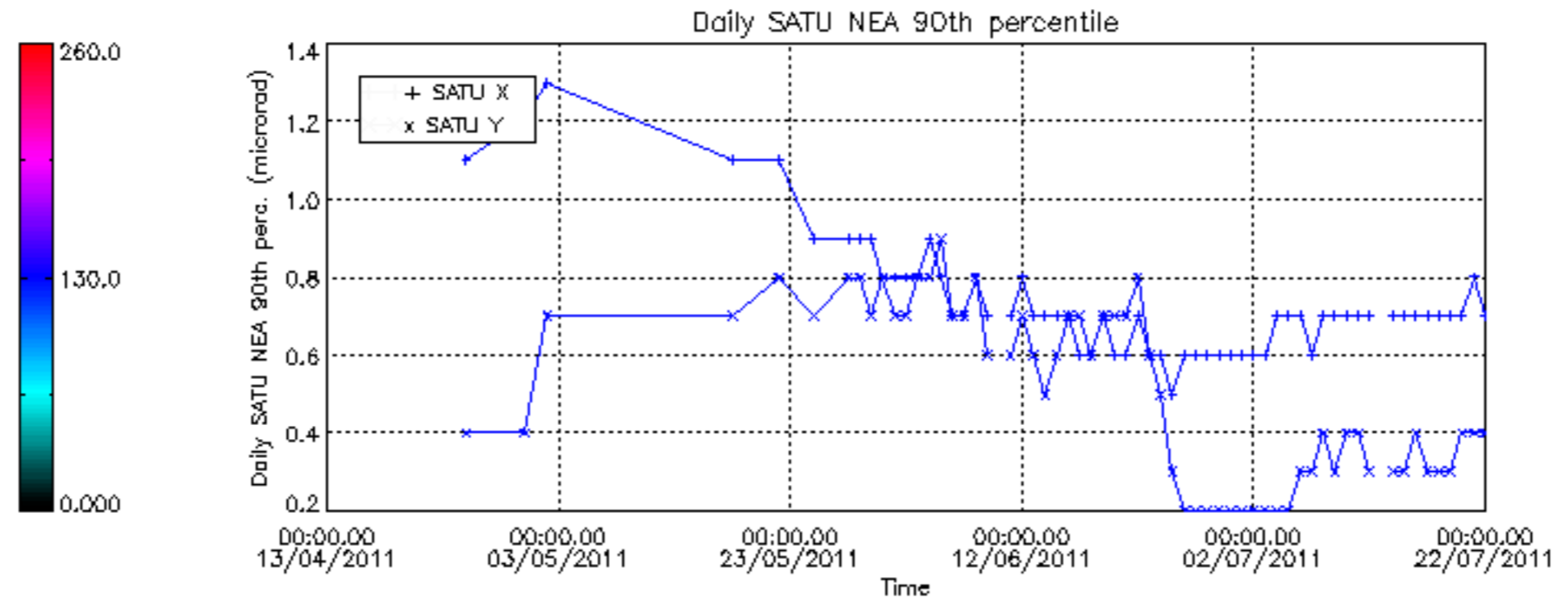












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4; 3071.5; 31-JUL-2011 13:36:21; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;49248
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7; 4179.7; 31-JUL-2011 13:54:49; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;49248
8; 4292.2; 31-JUL-2011 13:56:41; Bright; 44.0; 149; 45Eps Per ; 2.89; 30000;occ; 88; 0;49248
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12; 4888.2; 31-JUL-2011 14:06:37; Dark ; 44.5; 27; 24Gam Ori ; 1.64; 26000;occ; 89; 0;49248
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