

GOMOS Daily Report 29-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	31JUL2011 07:01:43
Data source version	GOMOS/6.01
Start time of products	29JUL2011 00:02:40
Stop time of products	29JUL2011 23:59:16
Store outputs in DB	Yes
Nb of level 1b prods	265
Nb of prods with errors	1

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

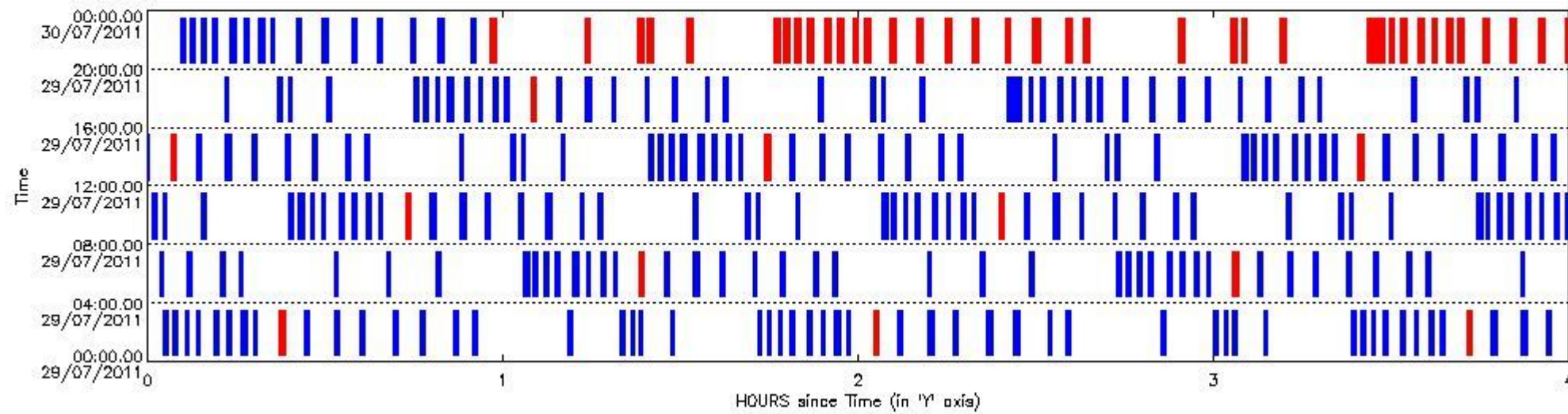
2.1 Level 0 products arrived in PCF (see template [here](#))

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).



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

UTC start time	Star name	Star ID	Orbit
29-JUL-2011 00:22:13	19BetOri	7	49211
29-JUL-2011 02:02:28	19BetOri	7	49212
29-JUL-2011 03:42:42	19BetOri	7	49213
29-JUL-2011 05:22:56	19BetOri	7	49214
29-JUL-2011 07:03:11	19BetOri	7	49215
29-JUL-2011 08:43:25	19BetOri	7	49216
29-JUL-2011 10:23:39	19BetOri	7	49217
29-JUL-2011 12:03:54	19BetOri	7	49218
29-JUL-2011 13:44:08	19BetOri	7	49219
29-JUL-2011 15:24:23	19BetOri	7	49220
29-JUL-2011 17:04:37	19BetOri	7	49221
29-JUL-2011 20:57:49	GamGru	172	49224
29-JUL-2011 21:13:48	53AlpAql	11	49224
29-JUL-2011 21:22:34	53EpsCyg	92	49224
29-JUL-2011 21:24:23	18DelCyg	144	49224

29-JUL-2011 21:31:01	5AlpCep	89	49224
29-JUL-2011 21:45:43	23GamPer	160	49224
29-JUL-2011 21:47:21	33AlpPer	35	49224
29-JUL-2011 21:49:19	13AlpAur	6	49224
29-JUL-2011 21:51:13	45EpsPer	149	49224
29-JUL-2011 21:54:14	44ZetPer	150	49224
29-JUL-2011 21:56:32	23ZetTau	176	49224
29-JUL-2011 21:58:58	87AlpTau	13	49224
29-JUL-2011 22:01:00	24GamOri	27	49224
29-JUL-2011 22:05:20	19BetOri	7	49224
29-JUL-2011 22:09:44	34GamEri	165	49224
29-JUL-2011 22:14:40	DSA1061	0	49224
29-JUL-2011 22:19:07	The1Eri	157	49224
29-JUL-2011 22:24:42	AlpEri	9	49225
29-JUL-2011 22:29:19	AlpPhe	84	49225
29-JUL-2011 22:34:55	AlpGru	31	49225
29-JUL-2011 22:38:03	GamGru	172	49225
29-JUL-2011 22:54:01	53AlpAql	11	49225
29-JUL-2011 23:02:47	53EpsCyg	92	49225
29-JUL-2011 23:04:37	18DelCyg	144	49225
29-JUL-2011 23:11:15	5AlpCep	89	49225
29-JUL-2011 23:25:57	23GamPer	160	49225
29-JUL-2011 23:27:34	33AlpPer	35	49225
29-JUL-2011 23:29:33	13AlpAur	6	49225
29-JUL-2011 23:31:27	45EpsPer	149	49225
29-JUL-2011 23:34:28	44ZetPer	150	49225
29-JUL-2011 23:36:47	23ZetTau	176	49225
29-JUL-2011 23:39:12	87AlpTau	13	49225
29-JUL-2011 23:41:14	24GamOri	27	49225
29-JUL-2011 23:45:35	19BetOri	7	49225
29-JUL-2011 23:49:59	34GamEri	165	49225
29-JUL-2011 23:54:55	DSA1061	0	49225
29-JUL-2011 23:59:22	The1Eri	157	49225

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_1PNPDE20110729_000240_000000483105_00059_49211_8804.N1	29-JUL-2011 00:02:40	Bright	48.000	160	23Gam Per	2.9300	4700.0	96	49211	No
2	GOM_TRA_1PNPDE20110729_000417_000000503105_00059_49211_8805.N1	29-JUL-2011 00:04:17	Bright	49.500	35	33Alp Per	1.7950	6250.0	99	49211	No
3	GOM_TRA_1PNPDE20110729_000611_000000413105_00059_49211_8806.N1	29-JUL-2011 00:06:11	Bright	40.500	6	13Alp Aur	0.080000	3400.0	81	49211	No
4	GOM_TRA_1PNPDE20110729_000806_000000433105_00059_49211_8807.N1	29-JUL-2011 00:08:06	Bright	43.000	149	45Eps Per	2.8880	30000.	86	49211	No
5	GOM_TRA_1PNPDE20110729_001105_000000543105_00059_49211_8808.N1	29-JUL-2011 00:11:05	Twilight	53.500	150	44Zet Per	2.8900	28000.	107	49211	No
6	GOM_TRA_1PNPDE20110729_001322_000000393105_00059_49211_8809.N1	29-JUL-2011 00:13:22	Twilight	38.500	176	23Zet Tau	3.0200	22000.	77	49211	No
7	GOM_TRA_1PNPDE20110729_001546_000000543105_00059_49211_8810.N1	29-JUL-2011 00:15:46	Dark	54.000	13	87Alp Tau	0.86700	3800.0	108	49211	No
8	GOM_TRA_1PNPDE20110729_001748_000000403105_00059_49211_8811.N1	29-JUL-2011 00:17:48	Dark	40.000	27	24Gam Ori	1.6360	26000.	80	49211	No
9	GOM_TRA_1PNPDE20110729_002625_000000563105_00059_49211_8818.N1	29-JUL-2011 00:26:25	Dark	55.500	165	34Gam Eri	2.9500	3200.0	111	49211	No
10	GOM_TRA_1PNPDE20110729_003547_000000463105_00059_49211_8819.N1	29-JUL-2011 00:35:47	Dark	45.500	157	The1Eri	2.9060	9300.0	91	49211	No
11	GOM_TRA_1PNPDE20110729_004126_000000463105_00060_49212_8820.N1	29-JUL-2011 00:41:26	Dark	45.500	9	Alp Eri	0.45300	24000.	91	49212	No
12	GOM_TRA_1PNPDE20110729_004557_000000553105_00060_49212_8821.N1	29-JUL-2011 00:45:57	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	49212	No
13	GOM_TRA_1PNPDE20110729_005140_000000473105_00060_49212_8822.N1	29-JUL-2011 00:51:40	Straylight	46.500	31	Alp Gru	1.7340	15200.	93	49212	No
14	GOM_TRA_1PNPDE20110729_005449_000000463105_00060_49212_8823.N1	29-JUL-2011 00:54:49	Straylight	45.500	172	Gam Gru	3.0030	13100.	91	49212	No
15	GOM_TRA_1PNPDE20110729_011055_000000413105_00060_49212_8824.N1	29-JUL-2011 01:10:55	Bright	41.000	11	53Alp Aql	0.76500	8000.0	82	49212	No
16	GOM_TRA_1PNPDE20110729_011947_000000443105_00060_49212_8825.N1	29-JUL-2011 01:19:47	Bright	44.000	92	53Eps Cyg	2.5000	4500.0	88	49212	No
17	GOM_TRA_1PNPDE20110729_012132_000000393105_00060_49212_8826.N1	29-JUL-2011 01:21:32	Bright	39.000	144	18Del Cyg	2.8600	11000.	78	49212	No
18	GOM_TRA_1PNPDE20110729_012251_000000443105_00060_49212_8827.N1	29-JUL-2011 01:22:51	Bright	43.500	19	50Alp Cyg	1.2460	10500.	87	49212	No
19	GOM_TRA_1PNPDE20110729_012813_000000393105_00060_49212_8828.N1	29-JUL-2011 01:28:13	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	49212	No
20	GOM_TRA_1PNPDE20110729_014254_000000463105_00060_49212_8829.N1	29-JUL-2011 01:42:54	Bright	46.000	160	23Gam Per	2.9300	4700.0	92	49212	No
21	GOM_TRA_1PNPDE20110729_014430_000000483105_00060_49212_8830.N1	29-JUL-2011 01:44:30	Bright	48.000	35	33Alp Per	1.7950	6250.0	96	49212	No

22	GOM_TRA_1PNPDE20110729_014625_000000423105_00060_49212_8831.N1	29-JUL-2011 01:46:25	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	49212	No
23	GOM_TRA_1PNPDE20110729_014820_000000453105_00060_49212_8832.N1	29-JUL-2011 01:48:20	Bright	45.000	149	45Eps Per	2.8880	30000.	90	49212	No
24	GOM_TRA_1PNPDE20110729_015119_000000543105_00060_49212_8833.N1	29-JUL-2011 01:51:19	Tw_i_and_stray	54.000	150	44Zet Per	2.8900	28000.	108	49212	No
25	GOM_TRA_1PNPDE20110729_015336_000000393105_00060_49212_8834.N1	29-JUL-2011 01:53:36	Tw_i_and_stray	38.500	176	23Zet Tau	3.0200	22000.	77	49212	No
26	GOM_TRA_1PNPDE20110729_015600_000000543105_00060_49212_8835.N1	29-JUL-2011 01:56:00	Dark	53.500	13	87Alp Tau	0.86700	3800.0	107	49212	No
27	GOM_TRA_1PNPDE20110729_015803_000000393105_00060_49212_8836.N1	29-JUL-2011 01:58:03	Dark	39.000	27	24Gam Ori	1.6360	26000.	78	49212	No
28	GOM_TRA_1PNPDE20110729_020640_000000523105_00060_49212_8849.N1	29-JUL-2011 02:06:40	Dark	52.000	165	34Gam Eri	2.9500	3200.0	104	49212	No
29	GOM_TRA_1PNPDE20110729_021602_000000473105_00060_49212_8850.N1	29-JUL-2011 02:16:02	Dark	46.500	157	The1Eri	2.9060	9300.0	93	49212	No
30	GOM_TRA_1PNPDE20110729_022140_000000533105_00061_49213_8851.N1	29-JUL-2011 02:21:40	Dark	53.000	9	Alp Eri	0.45300	24000.	106	49213	No
31	GOM_TRA_1PNPDE20110729_022612_000000553105_00061_49213_8852.N1	29-JUL-2011 02:26:12	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	49213	No
32	GOM_TRA_1PNPDE20110729_023155_000000473105_00061_49213_8853.N1	29-JUL-2011 02:31:55	Straylight	46.500	31	Alp Gru	1.7340	15200.	93	49213	No
33	GOM_TRA_1PNPDE20110729_023504_000000483105_00061_49213_8854.N1	29-JUL-2011 02:35:04	Straylight	47.500	172	Gam Gru	3.0030	13100.	95	49213	No
34	GOM_TRA_1PNPDE20110729_025109_000000403105_00061_49213_8855.N1	29-JUL-2011 02:51:09	Bright	40.000	11	53Alp Aql	0.76500	8000.0	80	49213	No
35	GOM_TRA_1PNPDE20110729_030000_000000473105_00061_49213_8856.N1	29-JUL-2011 03:00:00	Bright	47.000	92	53Eps Cyg	2.5000	4500.0	94	49213	No
36	GOM_TRA_1PNPDE20110729_030146_000000393105_00061_49213_8857.N1	29-JUL-2011 03:01:46	Bright	39.000	144	18Del Cyg	2.8600	11000.	78	49213	No
37	GOM_TRA_1PNPDE20110729_030305_000000443105_00061_49213_8858.N1	29-JUL-2011 03:03:05	Bright	43.500	19	50Alp Cyg	1.2460	10500.	87	49213	No
38	GOM_TRA_1PNPDE20110729_030827_000000413105_00061_49213_8859.N1	29-JUL-2011 03:08:27	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	49213	No
39	GOM_TRA_1PNPDE20110729_032307_000000483105_00061_49213_8890.N1	29-JUL-2011 03:23:07	Bright	48.000	160	23Gam Per	2.9300	4700.0	96	49213	No
40	GOM_TRA_1PNPDE20110729_032444_000000503105_00061_49213_8891.N1	29-JUL-2011 03:24:44	Bright	49.500	35	33Alp Per	1.7950	6250.0	99	49213	No
41	GOM_TRA_1PNPDE20110729_032639_000000423105_00061_49213_8892.N1	29-JUL-2011 03:26:39	Bright	41.500	6	13Alp Aur	0.080000	3400.0	83	49213	No
42	GOM_TRA_1PNPDE20110729_032834_000000503105_00061_49213_8893.N1	29-JUL-2011 03:28:34	Bright	50.000	149	45Eps Per	2.8880	30000.	100	49213	No
43	GOM_TRA_1PNPDE20110729_033133_000000533105_00061_49213_8894.N1	29-JUL-2011 03:31:33	Tw_i_and_stray	52.500	150	44Zet Per	2.8900	28000.	105	49213	No
44	GOM_TRA_1PNPDE20110729_033351_000000413105_00061_49213_8895.N1	29-JUL-2011 03:33:51	Tw_i_and_stray	41.000	176	23Zet Tau	3.0200	22000.	82	49213	No
45	GOM_TRA_1PNPDE20110729_033615_000000543105_00061_49213_8896.N1	29-JUL-2011 03:36:15	Dark	53.500	13	87Alp Tau	0.86700	3800.0	107	49213	No
46	GOM_TRA_1PNPDE20110729_033817_000000433105_00061_49213_8897.N1	29-JUL-2011 03:38:17	Dark	43.000	27	24Gam Ori	1.6360	26000.	86	49213	No
47	GOM_TRA_1PNPDE20110729_034654_000000553105_00061_49213_8898.N1	29-JUL-2011 03:46:54	Dark	54.500	165	34Gam Eri	2.9500	3200.0	109	49213	No
48	GOM_TRA_1PNPDE20110729_035617_000000463105_00061_49213_8899.N1	29-JUL-2011 03:56:17	Dark	45.500	157	The1Eri	2.9060	9300.0	91	49213	No
49	GOM_TRA_1PNPDE20110729_040155_000000443105_00062_49214_8900.N1	29-JUL-2011 04:01:55	Dark	43.500	9	Alp Eri	0.45300	24000.	87	49214	No
50	GOM_TRA_1PNPDE20110729_040628_000000563105_00062_49214_8901.N1	29-JUL-2011 04:06:28	Straylight	56.000	84	Alp Phe	2.3970	4500.0	112	49214	No
51	GOM_TRA_1PNPDE20110729_041210_000000453105_00062_49214_8902.N1	29-JUL-2011 04:12:10	Straylight	45.000	31	Alp Gru	1.7340	15200.	90	49214	No
52	GOM_TRA_1PNPDE20110729_041518_000000463105_00062_49214_8903.N1	29-JUL-2011 04:15:18	Straylight	46.000	172	Gam Gru	3.0030	13100.	92	49214	No
53	GOM_TRA_1PNPDE20110729_043123_000000413105_00062_49214_8904.N1	29-JUL-2011 04:31:23	Bright	41.000	11	53Alp Aql	0.76500	8000.0	82	49214	No
54	GOM_TRA_1PNPDE20110729_044014_000000463105_00062_49214_8905.N1	29-JUL-2011 04:40:14	Bright	46.000	92	53Eps Cyg	2.5000	4500.0	92	49214	No
55	GOM_TRA_1PNPDE20110729_044840_000000413105_00062_49214_8906.N1	29-JUL-2011 04:48:40	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	49214	No
56	GOM_TRA_1PNPDE20110729_050321_000000683105_00062_49214_8935.N1	29-JUL-2011 05:03:21	Bright	68.000	160	23Gam Per	2.9300	4700.0	136	49214	No
57	GOM_TRA_1PNPDE20110729_050458_000000493105_00062_49214_8936.N1	29-JUL-2011 05:04:58	Bright	49.000	35	33Alp Per	1.7950	6250.0	98	49214	No
58	GOM_TRA_1PNPDE20110729_050653_000000403105_00062_49214_8937.N1	29-JUL-2011 05:06:53	Bright	40.000	6	13Alp Aur	0.080000	3400.0	80	49214	No
59	GOM_TRA_1PNPDE20110729_050848_000000503105_00062_49214_8938.N1	29-JUL-2011 05:08:48	Bright	50.000	149	45Eps Per	2.8880	30000.	100	49214	No
60	GOM_TRA_1PNPDE20110729_051147_000000523105_00062_49214_8939.N1	29-JUL-2011 05:11:47	Tw_i_and_stray	52.000	150	44Zet Per	2.8900	28000.	104	49214	No
61	GOM_TRA_1PNPDE20110729_051405_000000383105_00062_49214_8940.N1	29-JUL-2011 05:14:05	Tw_i_and_stray	38.000	176	23Zet Tau	3.0200	22000.	76	49214	No
62	GOM_TRA_1PNPDE20110729_051629_000000473105_00062_49214_8941.N1	29-JUL-2011 05:16:29	Dark	46.500	13	87Alp Tau	0.86700	3800.0	93	49214	No
63	GOM_TRA_1PNPDE20110729_051831_000000403105_00062_49214_8942.N1	29-JUL-2011 05:18:31	Dark	39.500	27	24Gam Ori	1.6360	26000.	79	49214	No
64	GOM_TRA_1PNPDE20110729_052709_000000543105_00062_49214_8943.N1	29-JUL-2011 05:27:09	Dark	53.500	165	34Gam Eri	2.9500	3200.0	107	49214	No
65	GOM_TRA_1PNPDE20110729_053632_000000463105_00062_49214_8944.N1	29-JUL-2011 05:36:32	Dark	46.000	157	The1Eri	2.9060	9300.0	92	49214	No
66	GOM_TRA_1PNPDE20110729_054210_000000443105_00063_49215_8945.N1	29-JUL-2011 05:42:10	Dark	43.500	9	Alp Eri	0.45300	24000.	87	49215	No
67	GOM_TRA_1PNPDE20110729_054643_000000553105_00063_49215_8946.N1	29-JUL-2011 05:46:43	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	49215	No
68	GOM_TRA_1PNPDE20110729_055224_000000443105_00063_49215_8947.N1	29-JUL-2011 05:52:24	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	49215	No
69	GOM_TRA_1PNPDE20110729_055533_000000453105_00063_49215_8948.N1	29-JUL-2011 05:55:33	Straylight	45.000	172	Gam Gru	3.0030	13100.	90	49215	No
70	GOM_TRA_1PNPDE20110729_061137_000000403105_00063_49215_8949.N1	29-JUL-2011 06:11:37	Bright	39.500	11	53Alp Aql	0.76500	8000.0	79	49215	No
71	GOM_TRA_1PNPDE20110729_062027_000000463105_00063_49215_8950.N1	29-JUL-2011 06:20:27	Bright	45.500	92	53Eps Cyg	2.5000	4500.0	91	49215	No
72	GOM_TRA_1PNPDE20110729_062854_000000403105_00063_49215_8951.N1	29-JUL-2011 06:28:54	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	49215	No
73	GOM_TRA_1PNPDK20110729_064335_000000483105_00063_49215_2474.N1	29-JUL-2011 06:43:35	Bright	47.500	160	23Gam Per	2.9300	4700.0	95	49215	No
74	GOM_TRA_1PNPDK20110729_064512_000000473105_00063_49215_2475.N1	29-JUL-2011 06:45:12	Bright	47.000	35	33Alp Per	1.7950	6250.0	94	49215	No
75	GOM_TRA_1PNPDK20110729_064707_000000433105_00063_49215_2476.N1	29-JUL-2011 06:47:07	Bright	42.500	6	13Alp Aur	0.080000	3400.0	85	49215	No
76	GOM_TRA_1PNPDK20110729_064902_000000433105_00063_49215_2477.N1	29-JUL-2011 06:49:02	Bright	42.500	149	45Eps Per	2.8880	30000.	85	49215	No
77	GOM_TRA_1PNPDK20110729_065202_000000543105_00063_49215_2478.N1	29-JUL-2011 06:52:02	Tw_i_and_stray	53.500	150	44Zet Per	2.8900	28000.	107	49215	No
78	GOM_TRA_1PNPDK20110729_065419_000000393105_00063_49215_2479.N1	29-JUL-2011 06:54:19	Tw_i_and_stray	39.000	176	23Zet Tau	3.0200	22000.	78	49215	No
79	GOM_TRA_1PNPDK20110729_065644_000000473105_00063_49215_2480.N1	29-JUL-2011 06:56:44	Dark	47.000	13	87Alp Tau	0.86700	3800.0	94	49215	No
80	GOM_TRA_1PNPDK20110729_065846_000000393105_00063_49215_2481.N1	29-JUL-2011 06:58:46	Dark	38.500	27	24Gam Ori	1.6360	26000.	77	49215	No

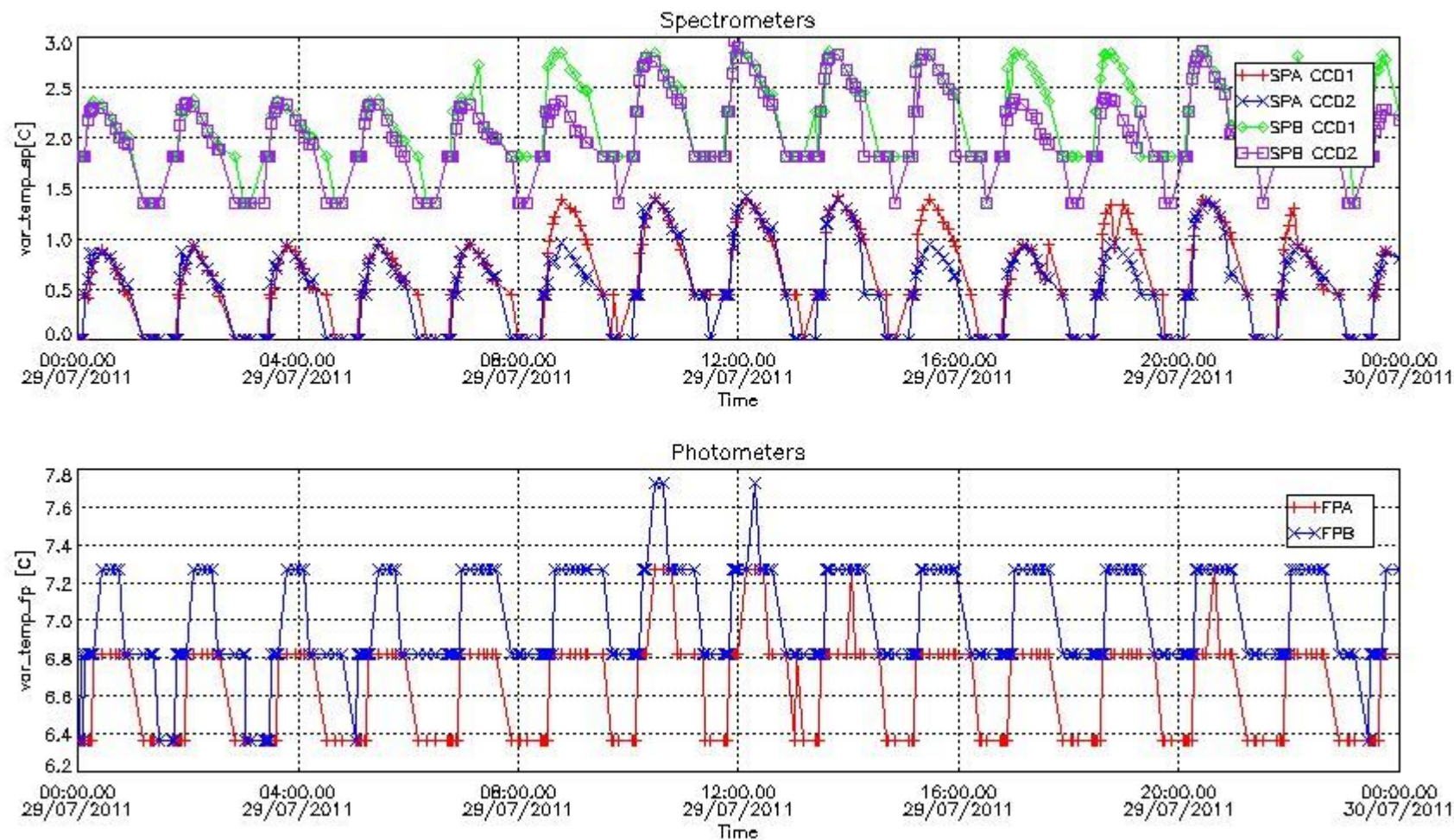
81	GOM_TRA_1PNPDK20110729_070724_000000533105_00063_49215_2482.N1	29-JUL-2011 07:07:24	Dark	53.000	165	34Gam Eri	2.9500	3200.0	106	49215	No
82	GOM_TRA_1PNPDK20110729_071647_000000443105_00063_49215_2483.N1	29-JUL-2011 07:16:47	Dark	44.000	157	The1Eri	2.9060	9300.0	88	49215	No
83	GOM_TRA_1PNPDK20110729_072224_000000553105_00064_49216_2484.N1	29-JUL-2011 07:22:24	Dark	54.500	9	Alp Eri	0.45300	24000.	109	49216	No
84	GOM_TRA_1PNPDK20110729_072658_000000553105_00064_49216_2485.N1	29-JUL-2011 07:26:58	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	49216	No
85	GOM_TRA_1PNPDK20110729_073239_000000483105_00064_49216_2486.N1	29-JUL-2011 07:32:39	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	49216	No
86	GOM_TRA_1PNPDK20110729_073548_000000483105_00064_49216_2487.N1	29-JUL-2011 07:35:48	Straylight	47.500	172	Gam Gru	3.0030	13100.	95	49216	No
87	GOM_TRA_1PNPDK20110729_075151_000000403105_00064_49216_2526.N1	29-JUL-2011 07:51:51	Bright	39.500	11	53Alp Aql	0.76500	8000.0	79	49216	No
88	GOM_TRA_1PNPDK20110729_080041_000000433105_00064_49216_2527.N1	29-JUL-2011 08:00:41	Bright	43.000	92	53Eps Cyg	2.5000	4500.0	86	49216	No
89	GOM_TRA_1PNPDK20110729_080228_000000383105_00064_49216_2528.N1	29-JUL-2011 08:02:28	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	49216	No
90	GOM_TRA_1PNPDK20110729_080907_000000413105_00064_49216_2529.N1	29-JUL-2011 08:09:07	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	49216	No
91	GOM_TRA_1PNPDK20110729_082349_000000463105_00064_49216_2530.N1	29-JUL-2011 08:23:49	Bright	46.000	160	23Gam Per	2.9300	4700.0	92	49216	No
92	GOM_TRA_1PNPDK20110729_082525_000000573105_00064_49216_2531.N1	29-JUL-2011 08:25:25	Bright	56.500	35	33Alp Per	1.7950	6250.0	113	49216	No
93	GOM_TRA_1PNPDK20110729_082721_000000433105_00064_49216_2532.N1	29-JUL-2011 08:27:21	Bright	42.500	6	13Alp Aur	0.080000	3400.0	85	49216	No
94	GOM_TRA_1PNPDK20110729_082916_000000453105_00064_49216_2533.N1	29-JUL-2011 08:29:16	Bright	44.500	149	45Eps Per	2.8880	30000.	89	49216	No
95	GOM_TRA_1PNPDK20110729_083216_000000533105_00064_49216_2534.N1	29-JUL-2011 08:32:16	Twi_and_stray	52.500	150	44Zet Per	2.8900	28000.	105	49216	No
96	GOM_TRA_1PNPDK20110729_083433_000000403105_00064_49216_2535.N1	29-JUL-2011 08:34:33	Twi_and_stray	39.500	176	23Zet Tau	3.0200	22000.	79	49216	No
97	GOM_TRA_1PNPDK20110729_083658_000000443105_00064_49216_2536.N1	29-JUL-2011 08:36:58	Dark	44.000	13	87Alp Tau	0.86700	3800.0	88	49216	No
98	GOM_TRA_1PNPDK20110729_083900_000000373105_00064_49216_2537.N1	29-JUL-2011 08:39:00	Dark	37.000	27	24Gam Ori	1.6360	26000.	74	49216	No
99	GOM_TRA_1PNPDK20110729_084739_000000543105_00064_49216_2538.N1	29-JUL-2011 08:47:39	Dark	54.000	165	34Gam Eri	2.9500	3200.0	108	49216	No
100	GOM_TRA_1PNPDK20110729_085702_000000443105_00064_49216_2539.N1	29-JUL-2011 08:57:02	Dark	44.000	157	The1Eri	2.9060	9300.0	88	49216	No
101	GOM_TRA_1PNPDK20110729_090239_000000443105_00065_49217_2540.N1	29-JUL-2011 09:02:39	Dark	43.500	9	Alp Eri	0.45300	24000.	87	49217	No
102	GOM_TRA_1PNPDK20110729_090713_000000553105_00065_49217_2541.N1	29-JUL-2011 09:07:13	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	49217	No
103	GOM_TRA_1PNPDK20110729_091253_000000483105_00065_49217_2542.N1	29-JUL-2011 09:12:53	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	49217	No
104	GOM_TRA_1PNPDK20110729_091602_000000473105_00065_49217_2543.N1	29-JUL-2011 09:16:02	Straylight	46.500	172	Gam Gru	3.0030	13100.	93	49217	No
105	GOM_TRA_1PNPDK20110729_093205_000000393105_00065_49217_2581.N1	29-JUL-2011 09:32:05	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	49217	No
106	GOM_TRA_1PNPDK20110729_094054_000000473105_00065_49217_2582.N1	29-JUL-2011 09:40:54	Bright	46.500	92	53Eps Cyg	2.5000	4500.0	93	49217	No
107	GOM_TRA_1PNPDK20110729_094241_000000383105_00065_49217_2583.N1	29-JUL-2011 09:42:41	Bright	37.500	144	18Del Cyg	2.8600	11000.	75	49217	No
108	GOM_TRA_1PNPDK20110729_094921_000000403105_00065_49217_2584.N1	29-JUL-2011 09:49:21	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	49217	No
109	GOM_TRA_1PNPDK20110729_100402_000000603105_00065_49217_2585.N1	29-JUL-2011 10:04:02	Bright	59.500	160	23Gam Per	2.9300	4700.0	119	49217	No
110	GOM_TRA_1PNPDK20110729_100539_000000493105_00065_49217_2586.N1	29-JUL-2011 10:05:39	Bright	49.000	35	33Alp Per	1.7950	6250.0	98	49217	No
111	GOM_TRA_1PNPDK20110729_100735_000000403105_00065_49217_2587.N1	29-JUL-2011 10:07:35	Bright	40.000	6	13Alp Aur	0.080000	3400.0	80	49217	No
112	GOM_TRA_1PNPDK20110729_100930_000000463105_00065_49217_2588.N1	29-JUL-2011 10:09:30	Bright	46.000	149	45Eps Per	2.8880	30000.	92	49217	No
113	GOM_TRA_1PNPDK20110729_101230_000000553105_00065_49217_2589.N1	29-JUL-2011 10:12:30	Twi_and_stray	55.000	150	44Zet Per	2.8900	28000.	110	49217	No
114	GOM_TRA_1PNPDK20110729_101447_000000373105_00065_49217_2590.N1	29-JUL-2011 10:14:47	Twi_and_stray	37.000	176	23Zet Tau	3.0200	22000.	74	49217	No
115	GOM_TRA_1PNPDK20110729_101712_000000613105_00065_49217_2591.N1	29-JUL-2011 10:17:12	Dark	60.500	13	87Alp Tau	0.86700	3800.0	121	49217	No
116	GOM_TRA_1PNPDK20110729_101914_000000373105_00065_49217_2592.N1	29-JUL-2011 10:19:14	Dark	37.000	27	24Gam Ori	1.6360	26000.	74	49217	No
117	GOM_TRA_1PNPDK20110729_102754_000000533105_00065_49217_2593.N1	29-JUL-2011 10:27:54	Dark	53.000	165	34Gam Eri	2.9500	3200.0	106	49217	No
118	GOM_TRA_1PNPDK20110729_103717_000000453105_00065_49217_2594.N1	29-JUL-2011 10:37:17	Dark	45.000	157	The1Eri	2.9060	9300.0	90	49217	No
119	GOM_TRA_1PNPDK20110729_104254_000000483105_00066_49218_2595.N1	29-JUL-2011 10:42:54	Dark	48.000	9	Alp Eri	0.45300	24000.	96	49218	No
120	GOM_TRA_1PNPDK20110729_104728_000000563105_00066_49218_2596.N1	29-JUL-2011 10:47:28	Straylight	56.000	84	Alp Phe	2.3970	4500.0	112	49218	No
121	GOM_TRA_1PNPDK20110729_105308_000000463105_00066_49218_2597.N1	29-JUL-2011 10:53:08	Straylight	45.500	31	Alp Gru	1.7340	15200.	91	49218	No
122	GOM_TRA_1PNPDK20110729_105616_000000473105_00066_49218_2598.N1	29-JUL-2011 10:56:16	Straylight	46.500	172	Gam Gru	3.0030	13100.	93	49218	No
123	GOM_TRA_1PNPDK20110729_111219_000000393105_00066_49218_2653.N1	29-JUL-2011 11:12:19	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	49218	No
124	GOM_TRA_1PNPDK20110729_112107_000000463105_00066_49218_2654.N1	29-JUL-2011 11:21:07	Bright	46.000	92	53Eps Cyg	2.5000	4500.0	92	49218	No
125	GOM_TRA_1PNPDK20110729_112255_000000383105_00066_49218_2655.N1	29-JUL-2011 11:22:55	Bright	37.500	144	18Del Cyg	2.8600	11000.	75	49218	No
126	GOM_TRA_1PNPDK20110729_112934_000000413105_00066_49218_2656.N1	29-JUL-2011 11:29:34	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	49218	No
127	GOM_TRA_1PNPDK20110729_114416_000000683105_00066_49218_2657.N1	29-JUL-2011 11:44:16	Bright	68.000	160	23Gam Per	2.9300	4700.0	136	49218	No
128	GOM_TRA_1PNPDK20110729_114553_000000463105_00066_49218_2658.N1	29-JUL-2011 11:45:53	Bright	46.000	35	33Alp Per	1.7950	6250.0	92	49218	No
129	GOM_TRA_1PNPDK20110729_114749_000000443105_00066_49218_2659.N1	29-JUL-2011 11:47:49	Bright	43.500	6	13Alp Aur	0.080000	3400.0	87	49218	No
130	GOM_TRA_1PNPDK20110729_114943_000000453105_00066_49218_2660.N1	29-JUL-2011 11:49:43	Bright	44.500	149	45Eps Per	2.8880	30000.	89	49218	No
131	GOM_TRA_1PNPDK20110729_115244_000000513105_00066_49218_2661.N1	29-JUL-2011 11:52:44	Twi_and_stray	51.000	150	44Zet Per	2.8900	28000.	102	49218	No
132	GOM_TRA_1PNPDK20110729_115502_000000373105_00066_49218_2662.N1	29-JUL-2011 11:55:02	Twi_and_stray	36.500	176	23Zet Tau	3.0200	22000.	73	49218	No
133	GOM_TRA_1PNPDK20110729_115726_000000543105_00066_49218_2663.N1	29-JUL-2011 11:57:26	Dark	54.000	13	87Alp Tau	0.86700	3800.0	108	49218	No
134	GOM_TRA_1PNPDK20110729_115928_000000443105_00066_49218_2664.N1	29-JUL-2011 11:59:28	Dark	43.500	27	24Gam Ori	1.6360	26000.	87	49218	No
135	GOM_TRA_1PNPDK20110729_120809_000000493105_00066_49218_2665.N1	29-JUL-2011 12:08:09	Dark	49.000	165	34Gam Eri	2.9500	3200.0	98	49218	No
136	GOM_TRA_1PNPDK20110729_121732_000000453105_00066_49218_2666.N1	29-JUL-2011 12:17:32	Dark	45.000	157	The1Eri	2.9060	9300.0	90	49218	No
137	GOM_TRA_1PNPDK20110729_122308_000000463105_00067_49219_2667.N1	29-JUL-2011 12:23:08	Dark	46.000	9	Alp Eri	0.45300	24000.	92	49219	No
138	GOM_TRA_1PNPDK20110729_122743_000000563105_00067_49219_2668.N1	29-JUL-2011 12:27:43	Straylight	56.000	84	Alp Phe	2.3970	4500.0	112	49219	No
139	GOM_TRA_1PNPDK20110729_123322_000000453105_00067_49219_2669.N1	29-JUL-2011 12:33:22	Straylight	44.500	31	Alp Gru	1.7340	15200.	89	49219	No

140	GOM_TRA_1PNPDK20110729_123631_000000463105_00067_49219_2670.N1	29-JUL-2011 12:36:31	Straylight	45.500	172	Gam Gru	3.0030	13100.	91	49219	No
141	GOM_TRA_1PNPDK20110729_125232_000000383105_00067_49219_2712.N1	29-JUL-2011 12:52:32	Bright	37.500	11	53Alp Aql	0.76500	8000.0	75	49219	No
142	GOM_TRA_1PNPDK20110729_130121_000000463105_00067_49219_2713.N1	29-JUL-2011 13:01:21	Bright	45.500	92	53Eps Cyg	2.5000	4500.0	91	49219	No
143	GOM_TRA_1PNPDK20110729_130309_000000373105_00067_49219_2714.N1	29-JUL-2011 13:03:09	Bright	36.500	144	18Del Cyg	2.8600	11000.	73	49219	No
144	GOM_TRA_1PNPDK20110729_130948_000000403105_00067_49219_2715.N1	29-JUL-2011 13:09:48	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	49219	No
145	GOM_TRA_1PNPDK20110729_132429_000000463105_00067_49219_2716.N1	29-JUL-2011 13:24:29	Bright	45.500	160	23Gam Per	2.9300	4700.0	91	49219	No
146	GOM_TRA_1PNPDK20110729_132606_000000493105_00067_49219_2717.N1	29-JUL-2011 13:26:06	Bright	48.500	35	33Alp Per	1.7950	6250.0	97	49219	No
147	GOM_TRA_1PNPDK20110729_132803_000000423105_00067_49219_2718.N1	29-JUL-2011 13:28:03	Bright	41.500	6	13Alp Aur	0.080000	3400.0	83	49219	No
148	GOM_TRA_1PNPDK20110729_132957_000000663105_00067_49219_2719.N1	29-JUL-2011 13:29:57	Bright	66.000	149	45Eps Per	2.8880	30000.	132	49219	No
149	GOM_TRA_1PNPDK20110729_133258_000000513105_00067_49219_2720.N1	29-JUL-2011 13:32:58	Tw_i_and_stray	51.000	150	44Zet Per	2.8900	28000.	102	49219	No
150	GOM_TRA_1PNPDK20110729_133516_000000423105_00067_49219_2721.N1	29-JUL-2011 13:35:16	Tw_i_and_stray	41.500	176	23Zet Tau	3.0200	22000.	83	49219	No
151	GOM_TRA_1PNPDK20110729_133741_000000533105_00067_49219_2722.N1	29-JUL-2011 13:37:41	Dark	52.500	13	87Alp Tau	0.86700	3800.0	105	49219	No
152	GOM_TRA_1PNPDK20110729_133943_000000443105_00067_49219_2723.N1	29-JUL-2011 13:39:43	Dark	44.000	27	24Gam Ori	1.6360	26000.	88	49219	No
153	GOM_TRA_1PNPDK20110729_134824_000000543105_00067_49219_2724.N1	29-JUL-2011 13:48:24	Dark	53.500	165	34Gam Eri	2.9500	3200.0	107	49219	No
154	GOM_TRA_1PNPDK20110729_135747_000000453105_00067_49219_2725.N1	29-JUL-2011 13:57:47	Dark	44.500	157	The1Eri	2.9060	9300.0	89	49219	No
155	GOM_TRA_1PNPDK20110729_140323_000000443105_00068_49220_2726.N1	29-JUL-2011 14:03:23	Dark	44.000	9	Alp Eri	0.45300	24000.	88	49220	No
156	GOM_TRA_1PNPDK20110729_140758_000000553105_00068_49220_2727.N1	29-JUL-2011 14:07:58	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	49220	No
157	GOM_TRA_1PNPDK20110729_141337_000000473105_00068_49220_2728.N1	29-JUL-2011 14:13:37	Straylight	46.500	31	Alp Gru	1.7340	15200.	93	49220	No
158	GOM_TRA_1PNPDK20110729_141645_000000453105_00068_49220_2729.N1	29-JUL-2011 14:16:45	Straylight	45.000	172	Gam Gru	3.0030	13100.	90	49220	No
159	GOM_TRA_1PNPDK20110729_143246_000000403105_00068_49220_2766.N1	29-JUL-2011 14:32:46	Bright	40.000	11	53Alp Aql	0.76500	8000.0	80	49220	No
160	GOM_TRA_1PNPDK20110729_144134_000000433105_00068_49220_2767.N1	29-JUL-2011 14:41:34	Bright	43.000	92	53Eps Cyg	2.5000	4500.0	86	49220	No
161	GOM_TRA_1PNPDK20110729_144322_000000363105_00068_49220_2768.N1	29-JUL-2011 14:43:22	Bright	36.000	144	18Del Cyg	2.8600	11000.	72	49220	No
162	GOM_TRA_1PNPDK20110729_145001_000000423105_00068_49220_2769.N1	29-JUL-2011 14:50:01	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	49220	No
163	GOM_TRA_1PNPDK20110729_150443_000000693105_00068_49220_2770.N1	29-JUL-2011 15:04:43	Bright	69.000	160	23Gam Per	2.9300	4700.0	138	49220	No
164	GOM_TRA_1PNPDK20110729_150620_000000483105_00068_49220_2771.N1	29-JUL-2011 15:06:20	Bright	47.500	35	33Alp Per	1.7950	6250.0	95	49220	No
165	GOM_TRA_1PNPDK20110729_150817_000000403105_00068_49220_2772.N1	29-JUL-2011 15:08:17	Bright	40.000	6	13Alp Aur	0.080000	3400.0	80	49220	No
166	GOM_TRA_1PNPDK20110729_151011_000000423105_00068_49220_2773.N1	29-JUL-2011 15:10:11	Bright	42.000	149	45Eps Per	2.8880	30000.	84	49220	No
167	GOM_TRA_1PNPDK20110729_151312_000000543105_00068_49220_2774.N1	29-JUL-2011 15:13:12	Tw_i_and_stray	54.000	150	44Zet Per	2.8900	28000.	108	49220	No
168	GOM_TRA_1PNPDK20110729_151530_000000423105_00068_49220_2775.N1	29-JUL-2011 15:15:30	Tw_i_and_stray	41.500	176	23Zet Tau	3.0200	22000.	83	49220	No
169	GOM_TRA_1PNPDK20110729_151755_000000533105_00068_49220_2776.N1	29-JUL-2011 15:17:55	Dark	53.000	13	87Alp Tau	0.86700	3800.0	106	49220	No
170	GOM_TRA_1PNPDK20110729_151957_000000453105_00068_49220_2777.N1	29-JUL-2011 15:19:57	Dark	44.500	27	24Gam Ori	1.6360	26000.	89	49220	No
171	GOM_TRA_1PNPDK20110729_152839_000000543105_00068_49220_2778.N1	29-JUL-2011 15:28:39	Dark	53.500	165	34Gam Eri	2.9500	3200.0	107	49220	No
172	GOM_TRA_1PNPDK20110729_153802_000000463105_00068_49220_2779.N1	29-JUL-2011 15:38:02	Dark	46.000	157	The1Eri	2.9060	9300.0	92	49220	No
173	GOM_TRA_1PNPDK20110729_154338_000000453105_00069_49221_2780.N1	29-JUL-2011 15:43:38	Dark	44.500	9	Alp Eri	0.45300	24000.	89	49221	No
174	GOM_TRA_1PNPDK20110729_154813_000000553105_00069_49221_2781.N1	29-JUL-2011 15:48:13	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	49221	No
175	GOM_TRA_1PNPDK20110729_155351_000000433105_00069_49221_2782.N1	29-JUL-2011 15:53:51	Straylight	43.000	31	Alp Gru	1.7340	15200.	86	49221	No
176	GOM_TRA_1PNPDK20110729_155700_000000463105_00069_49221_2783.N1	29-JUL-2011 15:57:00	Straylight	45.500	172	Gam Gru	3.0030	13100.	91	49221	No
177	GOM_TRA_1PNPDK20110729_161300_000000413105_00069_49221_2808.N1	29-JUL-2011 16:13:00	Bright	40.500	11	53Alp Aql	0.76500	8000.0	81	49221	No
178	GOM_TRA_1PNPDK20110729_162148_000000463105_00069_49221_2809.N1	29-JUL-2011 16:21:48	Bright	45.500	92	53Eps Cyg	2.5000	4500.0	91	49221	No
179	GOM_TRA_1PNPDK20110729_162336_000000393105_00069_49221_2810.N1	29-JUL-2011 16:23:36	Bright	39.000	144	18Del Cyg	2.8600	11000.	78	49221	No
180	GOM_TRA_1PNPDK20110729_163015_000000423105_00069_49221_2811.N1	29-JUL-2011 16:30:15	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	49221	No
181	GOM_TRA_1PNPDK20110729_164457_000000453105_00069_49221_2812.N1	29-JUL-2011 16:44:57	Bright	45.000	160	23Gam Per	2.9300	4700.0	90	49221	No
182	GOM_TRA_1PNPDK20110729_164634_000000463105_00069_49221_2813.N1	29-JUL-2011 16:46:34	Bright	45.500	35	33Alp Per	1.7950	6250.0	91	49221	No
183	GOM_TRA_1PNPDK20110729_164831_000000433105_00069_49221_2814.N1	29-JUL-2011 16:48:31	Bright	42.500	6	13Alp Aur	0.080000	3400.0	85	49221	No
184	GOM_TRA_1PNPDK20110729_165025_000000663105_00069_49221_2815.N1	29-JUL-2011 16:50:25	Bright	66.000	149	45Eps Per	2.8880	30000.	132	49221	No
185	GOM_TRA_1PNPDK20110729_165326_000000543105_00069_49221_2816.N1	29-JUL-2011 16:53:26	Tw_i_and_stray	53.500	150	44Zet Per	2.8900	28000.	107	49221	No
186	GOM_TRA_1PNPDK20110729_165544_000000413105_00069_49221_2817.N1	29-JUL-2011 16:55:44	Tw_i_and_stray	40.500	176	23Zet Tau	3.0200	22000.	81	49221	No
187	GOM_TRA_1PNPDK20110729_165809_000000543105_00069_49221_2818.N1	29-JUL-2011 16:58:09	Dark	53.500	13	87Alp Tau	0.86700	3800.0	107	49221	No
188	GOM_TRA_1PNPDK20110729_170011_000000443105_00069_49221_2819.N1	29-JUL-2011 17:00:11	Dark	43.500	27	24Gam Ori	1.6360	26000.	87	49221	No
189	GOM_TRA_1PNPDK20110729_170853_000000553105_00069_49221_2820.N1	29-JUL-2011 17:08:53	Dark	55.000	165	34Gam Eri	2.9500	3200.0	110	49221	No
190	GOM_TRA_1PNPDK20110729_171816_000000463105_00069_49221_2821.N1	29-JUL-2011 17:18:16	Dark	46.000	157	The1Eri	2.9060	9300.0	92	49221	No
191	GOM_TRA_1PNPDK20110729_172352_000000473105_00070_49222_2822.N1	29-JUL-2011 17:23:52	Dark	46.500	9	Alp Eri	0.45300	24000.	93	49222	No
192	GOM_TRA_1PNPDK20110729_172828_000000593105_00070_49222_2823.N1	29-JUL-2011 17:28:28	Straylight	59.000	84	Alp Phe	2.3970	4500.0	118	49222	No
193	GOM_TRA_1PNPDK20110729_173406_000000433105_00070_49222_2824.N1	29-JUL-2011 17:34:06	Straylight	42.500	31	Alp Gru	1.7340	15200.	85	49222	No
194	GOM_TRA_1PNPDK20110729_173714_000000473105_00070_49222_2849.N1	29-JUL-2011 17:37:14	Straylight	47.000	172	Gam Gru	3.0030	13100.	94	49222	Yes
195	GOM_TRA_1PNPDK20110729_175314_000000393105_00070_49222_2850.N1	29-JUL-2011 17:53:14	Bright	39.000	11	53Alp Aql	0.76500	8000.0	78	49222	No
196	GOM_TRA_1PNPDK20110729_180201_000000463105_00070_49222_2851.N1	29-JUL-2011 18:02:01	Bright	46.000	92	53Eps Cyg	2.5000	4500.0	92	49222	No
197	GOM_TRA_1PNPDK20110729_180350_000000383105_00070_49222_2852.N1	29-JUL-2011 18:03:50	Bright	37.500	144	18Del Cyg	2.8600	11000.	75	49222	No
198	GOM_TRA_1PNPDK20110729_181028_000000423105_00070_49222_2853.N1	29-JUL-2011 18:10:28	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	49222	No

199	GOM_TRA_1PNPDK20110729_182510_000000693105_00070_49222_2854.N1	29-JUL-2011 18:25:10	Bright	69.000	160	23Gam Per	2.9300	4700.0	138	49222	No
200	GOM_TRA_1PNPDK20110729_182648_000000493105_00070_49222_2855.N1	29-JUL-2011 18:26:48	Bright	49.000	35	33Alp Per	1.7950	6250.0	98	49222	No
201	GOM_TRA_1PNPDK20110729_182845_000000433105_00070_49222_2856.N1	29-JUL-2011 18:28:45	Bright	42.500	6	13Alp Aur	0.080000	3400.0	85	49222	No
202	GOM_TRA_1PNPDK20110729_183039_000000493105_00070_49222_2857.N1	29-JUL-2011 18:30:39	Bright	48.500	149	45Eps Per	2.8880	30000.	97	49222	No
203	GOM_TRA_1PNPDK20110729_183340_000000533105_00070_49222_2858.N1	29-JUL-2011 18:33:40	Tw_i_and_stray	52.500	150	44Zet Per	2.8900	28000.	105	49222	No
204	GOM_TRA_1PNPDK20110729_183558_000000403105_00070_49222_2859.N1	29-JUL-2011 18:35:58	Tw_i_and_stray	40.000	176	23Zet Tau	3.0200	22000.	80	49222	No
205	GOM_TRA_1PNPDK20110729_183824_000000553105_00070_49222_2860.N1	29-JUL-2011 18:38:24	Dark	54.500	13	87Alp Tau	0.86700	3800.0	109	49222	No
206	GOM_TRA_1PNPDK20110729_184026_000000443105_00070_49222_2861.N1	29-JUL-2011 18:40:26	Dark	44.000	27	24Gam Ori	1.6360	26000.	88	49222	No
207	GOM_TRA_1PNPDK20110729_184446_000000413105_00070_49222_2862.N1	29-JUL-2011 18:44:46	Dark	40.500	7	19Bet Ori	0.10000	14000.	81	49222	No
208	GOM_TRA_1PNPDK20110729_184908_000000543105_00070_49222_2863.N1	29-JUL-2011 18:49:08	Dark	54.000	165	34Gam Eri	2.9500	3200.0	108	49222	No
209	GOM_TRA_1PNPDK20110729_185832_000000463105_00070_49222_2864.N1	29-JUL-2011 18:58:32	Dark	45.500	157	The1Eri	2.9060	9300.0	91	49222	No
210	GOM_TRA_1PNPDK20110729_190407_000000433105_00071_49223_2865.N1	29-JUL-2011 19:04:07	Dark	42.500	9	Alp Eri	0.45300	24000.	85	49223	No
211	GOM_TRA_1PNPDK20110729_190843_000000543105_00071_49223_2866.N1	29-JUL-2011 19:08:43	Straylight	53.500	84	Alp Phe	2.3970	4500.0	107	49223	No
212	GOM_TRA_1PNPDK20110729_191420_000000453105_00071_49223_2867.N1	29-JUL-2011 19:14:20	Straylight	45.000	31	Alp Gru	1.7340	15200.	90	49223	No
213	GOM_TRA_1PNPDK20110729_191729_000000473105_00071_49223_2876.N1	29-JUL-2011 19:17:29	Straylight	46.500	172	Gam Gru	3.0030	13100.	93	49223	No
214	GOM_TRA_1PNPDK20110729_193328_000000393105_00071_49223_2877.N1	29-JUL-2011 19:33:28	Bright	39.000	11	53Alp Aql	0.76500	8000.0	78	49223	No
215	GOM_TRA_1PNPDK20110729_194215_000000463105_00071_49223_2878.N1	29-JUL-2011 19:42:15	Bright	45.500	92	53Eps Cyg	2.5000	4500.0	91	49223	No
216	GOM_TRA_1PNPDK20110729_194404_000000563105_00071_49223_2879.N1	29-JUL-2011 19:44:04	Bright	56.000	144	18Del Cyg	2.8600	11000.	112	49223	No
217	GOM_TRA_1PNPDK20110729_195042_000000423105_00071_49223_2880.N1	29-JUL-2011 19:50:42	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	49223	No
218	GOM_TRA_1PNPDK20110729_200524_000000563105_00071_49223_2881.N1	29-JUL-2011 20:05:24	Bright	55.500	160	23Gam Per	2.9300	4700.0	111	49223	No
219	GOM_TRA_1PNPDK20110729_200701_000000493105_00071_49223_2882.N1	29-JUL-2011 20:07:01	Bright	48.500	35	33Alp Per	1.7950	6250.0	97	49223	No
220	GOM_TRA_1PNPDK20110729_200859_000000423105_00071_49223_2883.N1	29-JUL-2011 20:08:59	Bright	41.500	6	13Alp Aur	0.080000	3400.0	83	49223	No
221	GOM_TRA_1PNPDK20110729_201053_000000513105_00071_49223_2884.N1	29-JUL-2011 20:10:53	Bright	50.500	149	45Eps Per	2.8880	30000.	101	49223	No
222	GOM_TRA_1PNPDK20110729_201355_000000543105_00071_49223_2885.N1	29-JUL-2011 20:13:55	Tw_i_and_stray	53.500	150	44Zet Per	2.8900	28000.	107	49223	No
223	GOM_TRA_1PNPDK20110729_201613_000000423105_00071_49223_2886.N1	29-JUL-2011 20:16:13	Tw_i_and_stray	41.500	176	23Zet Tau	3.0200	22000.	83	49223	No
224	GOM_TRA_1PNPDK20110729_201838_000000603105_00071_49223_2887.N1	29-JUL-2011 20:18:38	Dark	60.000	13	87Alp Tau	0.86700	3800.0	120	49223	No
225	GOM_TRA_1PNPDK20110729_202040_000000433105_00071_49223_2888.N1	29-JUL-2011 20:20:40	Dark	42.500	27	24Gam Ori	1.6360	26000.	85	49223	No
226	GOM_TRA_1PNPDK20110729_202500_000000453105_00071_49223_2889.N1	29-JUL-2011 20:25:00	Dark	44.500	7	19Bet Ori	0.10000	14000.	89	49223	No
227	GOM_TRA_1PNPDK20110729_202923_000000553105_00071_49223_2890.N1	29-JUL-2011 20:29:23	Dark	54.500	165	34Gam Eri	2.9500	3200.0	109	49223	No
228	GOM_TRA_1PNPDK20110729_203846_000000473105_00071_49223_2891.N1	29-JUL-2011 20:38:46	Dark	46.500	157	The1Eri	2.9060	9300.0	93	49223	No
229	GOM_TRA_1PNPDK20110729_204422_000000453105_00072_49224_2892.N1	29-JUL-2011 20:44:22	Dark	44.500	9	Alp Eri	0.45300	24000.	89	49224	No
230	GOM_TRA_1PNPDK20110729_204858_000000643105_00072_49224_2893.N1	29-JUL-2011 20:48:58	Straylight	64.000	84	Alp Phe	2.3970	4500.0	128	49224	No
231	GOM_TRA_1PNPDE20110729_205435_000000433105_00072_49224_9095.N1	29-JUL-2011 20:54:35	Straylight	43.000	31	Alp Gru	1.7340	15200.	86	49224	No
232	GOM_TRA_1PNPDE20110729_205743_000000453105_00072_49224_9096.N1	29-JUL-2011 20:57:43	Straylight	45.000	172	Gam Gru	3.0030	13100.	90	49224	No
233	GOM_TRA_1PNPDE20110729_211342_000000393105_00072_49224_9097.N1	29-JUL-2011 21:13:42	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	49224	No
234	GOM_TRA_1PNPDE20110729_212228_000000453105_00072_49224_9098.N1	29-JUL-2011 21:22:28	Bright	45.000	92	53Eps Cyg	2.5000	4500.0	90	49224	No
235	GOM_TRA_1PNPDE20110729_212418_000000393105_00072_49224_9099.N1	29-JUL-2011 21:24:18	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	49224	No
236	GOM_TRA_1PNPDE20110729_213056_000000603105_00072_49224_9100.N1	29-JUL-2011 21:30:56	Bright	60.000	89	5Alp Cep	2.4510	8000.0	120	49224	No
237	GOM_TRA_1PNPDE20110729_214538_000000473105_00072_49224_9101.N1	29-JUL-2011 21:45:38	Bright	47.000	160	23Gam Per	2.9300	4700.0	94	49224	No
238	GOM_TRA_1PNPDE20110729_214715_000000503105_00072_49224_9102.N1	29-JUL-2011 21:47:15	Bright	49.500	35	33Alp Per	1.7950	6250.0	99	49224	No
239	GOM_TRA_1PNPDE20110729_214913_000000423105_00072_49224_9103.N1	29-JUL-2011 21:49:13	Bright	41.500	6	13Alp Aur	0.080000	3400.0	83	49224	No
240	GOM_TRA_1PNPDE20110729_215107_000000443105_00072_49224_9104.N1	29-JUL-2011 21:51:07	Bright	43.500	149	45Eps Per	2.8880	30000.	87	49224	No
241	GOM_TRA_1PNPDE20110729_215409_000000553105_00072_49224_9105.N1	29-JUL-2011 21:54:09	Tw_i_and_stray	55.000	150	44Zet Per	2.8900	28000.	110	49224	No
242	GOM_TRA_1PNPDE20110729_215627_000000413105_00072_49224_9106.N1	29-JUL-2011 21:56:27	Tw_i_and_stray	40.500	176	23Zet Tau	3.0200	22000.	81	49224	No
243	GOM_TRA_1PNPDE20110729_215853_000000513105_00072_49224_9107.N1	29-JUL-2011 21:58:53	Dark	51.000	13	87Alp Tau	0.86700	3800.0	102	49224	No
244	GOM_TRA_1PNPDE20110729_220054_000000403105_00072_49224_9108.N1	29-JUL-2011 22:00:54	Dark	40.000	27	24Gam Ori	1.6360	26000.	80	49224	No
245	GOM_TRA_1PNPDE20110729_220515_000000403105_00072_49224_9109.N1	29-JUL-2011 22:05:15	Dark	39.500	7	19Bet Ori	0.10000	14000.	79	49224	No
246	GOM_TRA_1PNPDE20110729_220938_000000573105_00072_49224_9122.N1	29-JUL-2011 22:09:38	Dark	57.000	165	34Gam Eri	2.9500	3200.0	114	49224	No
247	GOM_TRA_1PNPDE20110729_221901_000000463105_00072_49224_9123.N1	29-JUL-2011 22:19:01	Dark	46.000	157	The1Eri	2.9060	9300.0	92	49224	No
248	GOM_TRA_1PNPDE20110729_222436_000000433105_00073_49225_9124.N1	29-JUL-2011 22:24:36	Dark	43.000	9	Alp Eri	0.45300	24000.	86	49225	No
249	GOM_TRA_1PNPDE20110729_222913_000000583105_00073_49225_9125.N1	29-JUL-2011 22:29:13	Straylight	57.500	84	Alp Phe	2.3970	4500.0	115	49225	No
250	GOM_TRA_1PNPDE20110729_223449_000000453105_00073_49225_9126.N1	29-JUL-2011 22:34:49	Straylight	45.000	31	Alp Gru	1.7340	15200.	90	49225	No
251	GOM_TRA_1PNPDE20110729_223758_000000483105_00073_49225_9127.N1	29-JUL-2011 22:37:58	Straylight	47.500	172	Gam Gru	3.0030	13100.	95	49225	No
252	GOM_TRA_1PNPDE20110729_225356_000000383105_00073_49225_9128.N1	29-JUL-2011 22:53:56	Bright	38.000	11	53Alp Aql	0.76500	8000.0	76	49225	No
253	GOM_TRA_1PNPDE20110729_230241_000000453105_00073_49225_9129.N1	29-JUL-2011 23:02:41	Bright	44.500	92	53Eps Cyg	2.5000	4500.0	89	49225	No
254	GOM_TRA_1PNPDE20110729_230431_000000363105_00073_49225_9130.N1	29-JUL-2011 23:04:31	Bright	36.000	144	18Del Cyg	2.8600	11000.	72	49225	No
255	GOM_TRA_1PNPDE20110729_231109_000000403105_00073_49225_9131.N1	29-JUL-2011 23:11:09	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	49225	No
256	GOM_TRA_1PNPDE20110729_232551_000000483105_00073_49225_9132.N1	29-JUL-2011 23:25:51	Bright	47.500	160	23Gam Per	2.9300	4700.0	95	49225	No
257	GOM_TRA_1PNPDE20110729_232729_000000483105_00073_49225_9133.N1	29-JUL-2011 23:27:29	Bright	48.000	35	33Alp Per	1.7950	6250.0	96	49225	No

258	GOM_TRA_1PNPDE20110729_232927_000000423105_00073_49225_9134.N1	29-JUL-2011 23:29:27	Bright	41.500	6	13Alp Aur	0.08000	3400.0	83	49225	No
259	GOM_TRA_1PNPDE20110729_233121_000000513105_00073_49225_9135.N1	29-JUL-2011 23:31:21	Bright	50.500	149	45Eps Per	2.8880	30000.	101	49225	No
260	GOM_TRA_1PNPDE20110729_233423_000000503105_00073_49225_9136.N1	29-JUL-2011 23:34:23	Twilight_stray	49.500	150	44Zet Per	2.8900	28000.	99	49225	No
261	GOM_TRA_1PNPDE20110729_233641_000000413105_00073_49225_9137.N1	29-JUL-2011 23:36:41	Twilight_stray	40.500	176	23Zet Tau	3.0200	22000.	81	49225	No
262	GOM_TRA_1PNPDE20110729_233907_000000543105_00073_49225_9138.N1	29-JUL-2011 23:39:07	Dark	54.000	13	87Alp Tau	0.86700	3800.0	108	49225	No
263	GOM_TRA_1PNPDE20110729_234108_000000413105_00073_49225_9139.N1	29-JUL-2011 23:41:08	Dark	41.000	27	24Gam Ori	1.6360	26000.	82	49225	No
264	GOM_TRA_1PNPDE20110729_234529_000000423105_00073_49225_9140.N1	29-JUL-2011 23:45:29	Dark	42.000	7	19Bet Ori	0.10000	14000.	84	49225	No
265	GOM_TRA_1PNPDE20110729_235916_000000453105_00073_49225_9164.N1	29-JUL-2011 23:59:16	Dark	45.000	157	The1Eri	2.9060	9300.0	90	49225	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).

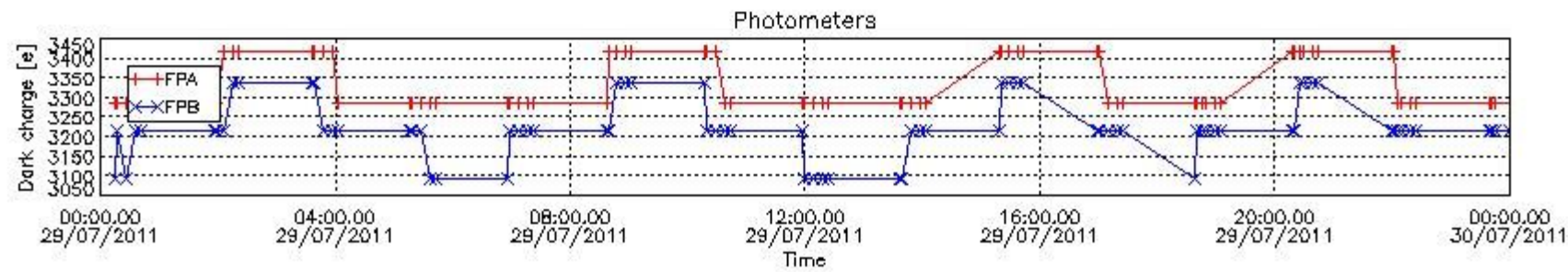
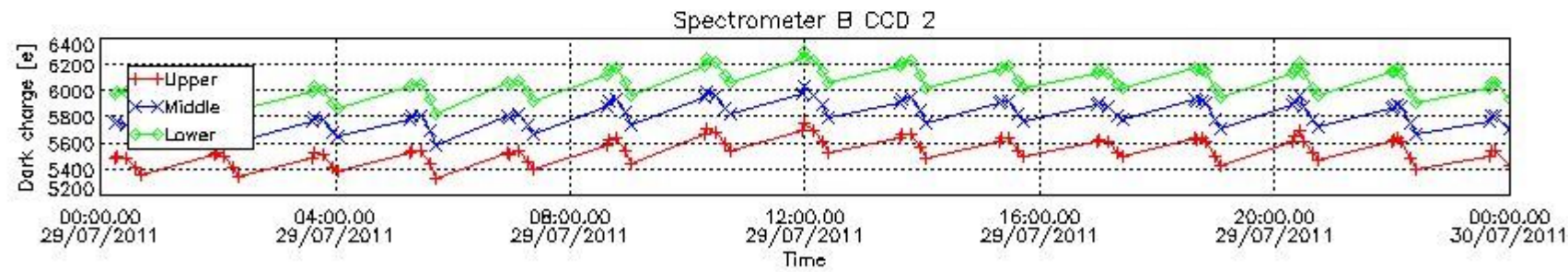
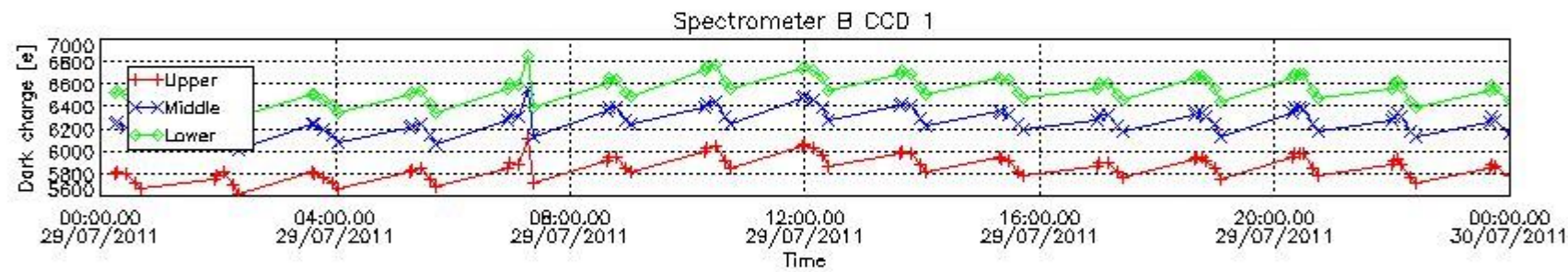
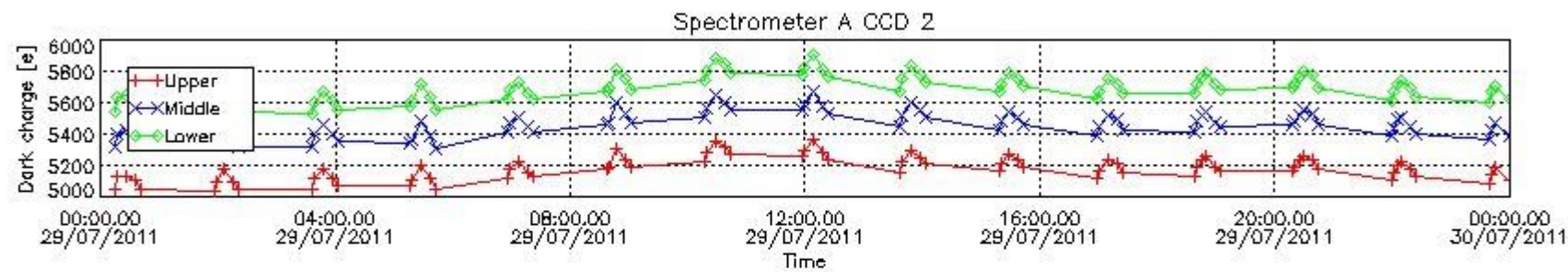
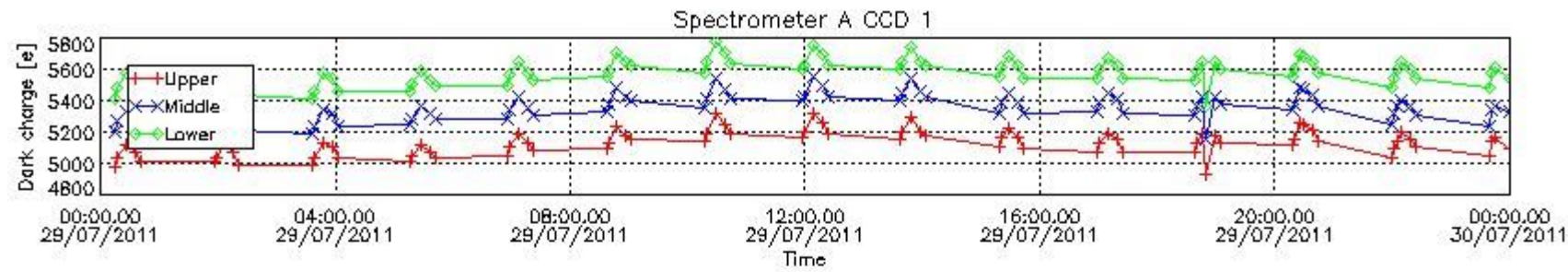
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110729_205435_000000433105_00072_49224_9095.N1	DC map with no T dep.
GOM_TRA_1PNPDE20110729_205743_000000453105_00072_49224_9096.N1	DC map used

GOM_TRA_1PNPDE20110729_211342_000000393105_00072_49224_9097.N1	DC map used
GOM_TRA_1PNPDE20110729_212228_000000453105_00072_49224_9098.N1	DC map used
GOM_TRA_1PNPDE20110729_212418_000000393105_00072_49224_9099.N1	DC map used
GOM_TRA_1PNPDE20110729_213056_000000603105_00072_49224_9100.N1	DC map used
GOM_TRA_1PNPDE20110729_214538_000000473105_00072_49224_9101.N1	DC map used
GOM_TRA_1PNPDE20110729_214715_000000503105_00072_49224_9102.N1	DC map used
GOM_TRA_1PNPDE20110729_214913_000000423105_00072_49224_9103.N1	DC map used
GOM_TRA_1PNPDE20110729_215107_000000443105_00072_49224_9104.N1	DC map used
GOM_TRA_1PNPDE20110729_215409_000000553105_00072_49224_9105.N1	DC map used
GOM_TRA_1PNPDE20110729_215627_000000413105_00072_49224_9106.N1	DC map used
GOM_TRA_1PNPDE20110729_215853_000000513105_00072_49224_9107.N1	DC map used
GOM_TRA_1PNPDE20110729_220054_000000403105_00072_49224_9108.N1	DC map used
GOM_TRA_1PNPDE20110729_220515_000000403105_00072_49224_9109.N1	DC map used

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



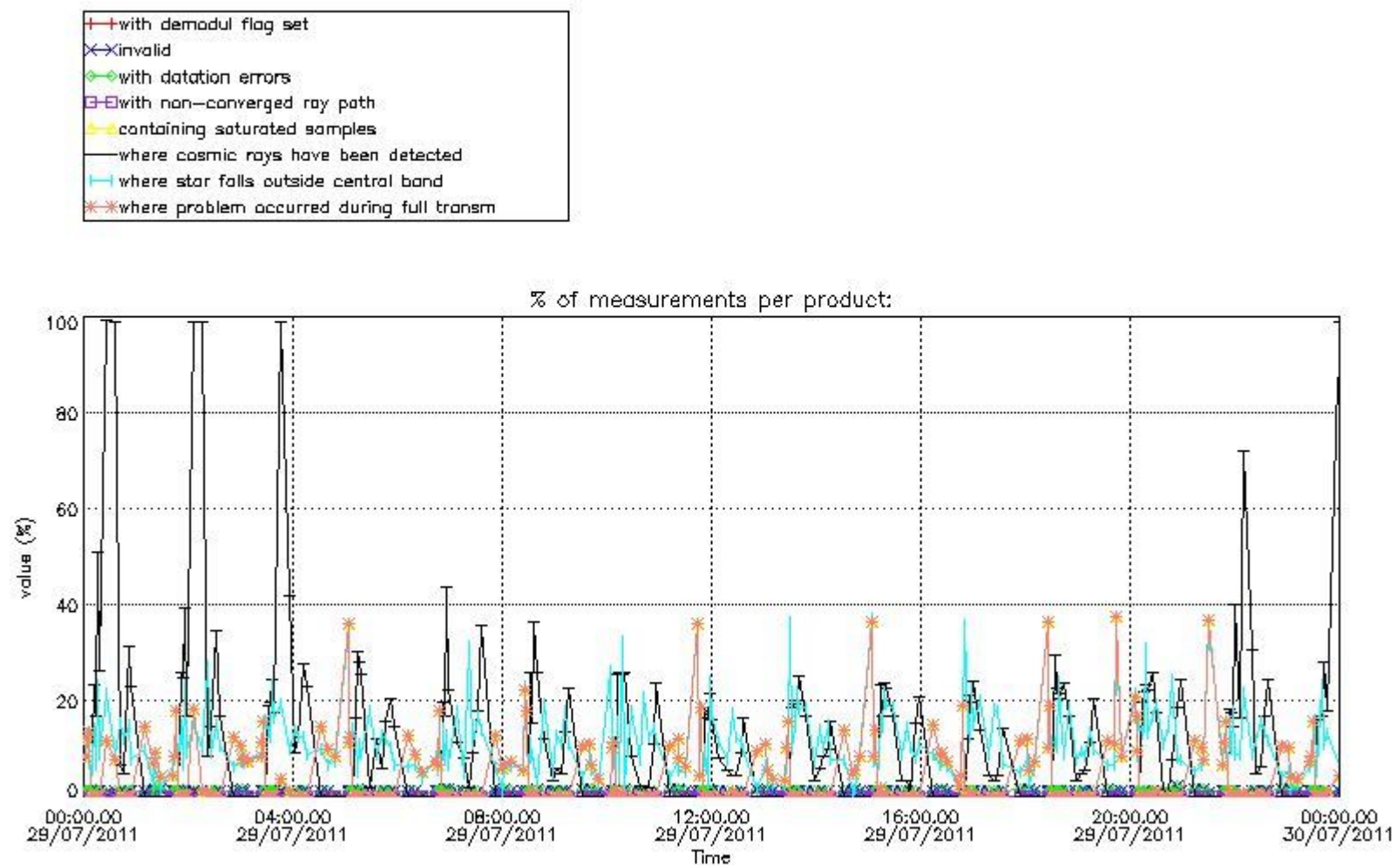
5. Demodulation flag and quality information monitoring

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.

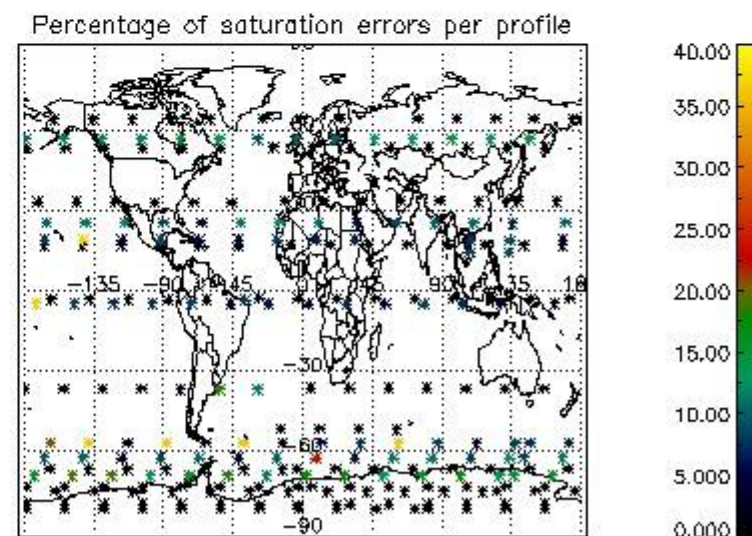
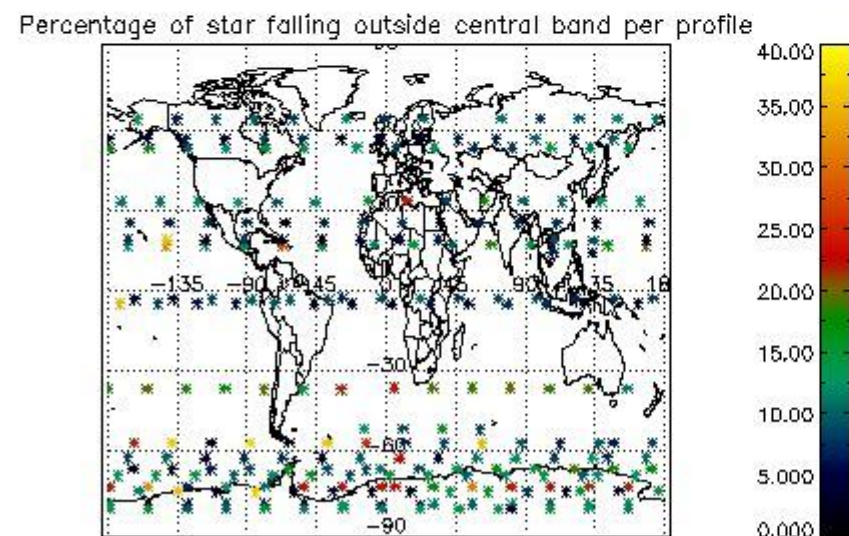
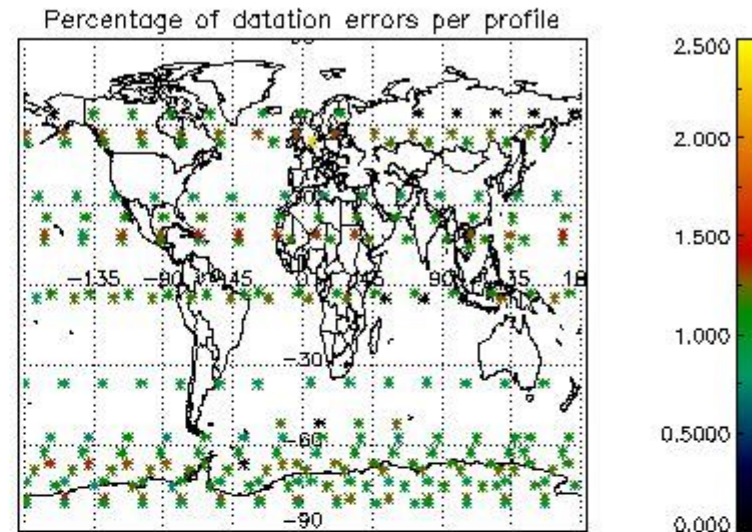
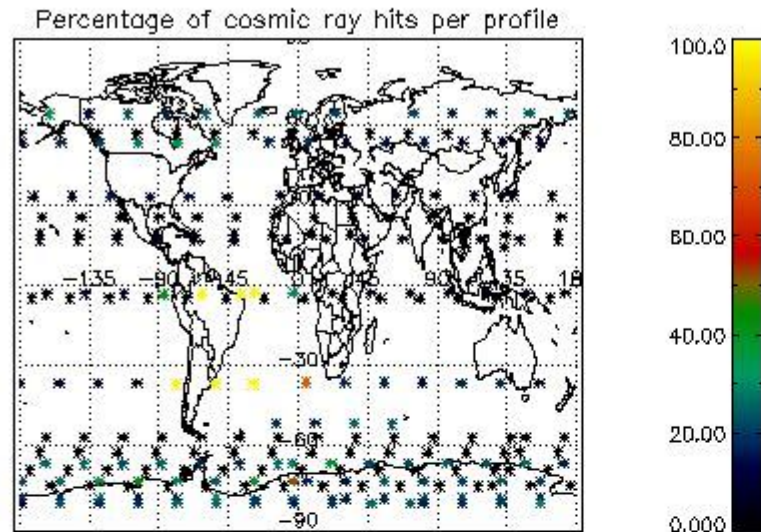
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	53.0303 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	43.9394 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



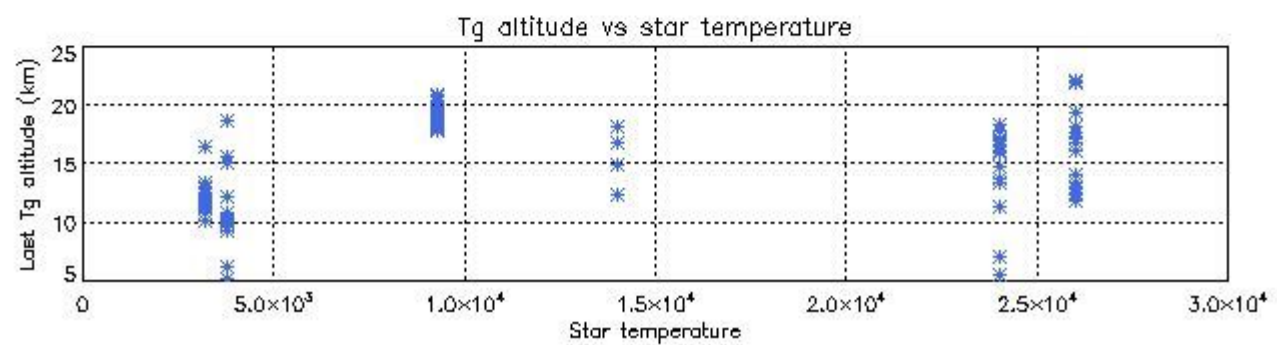
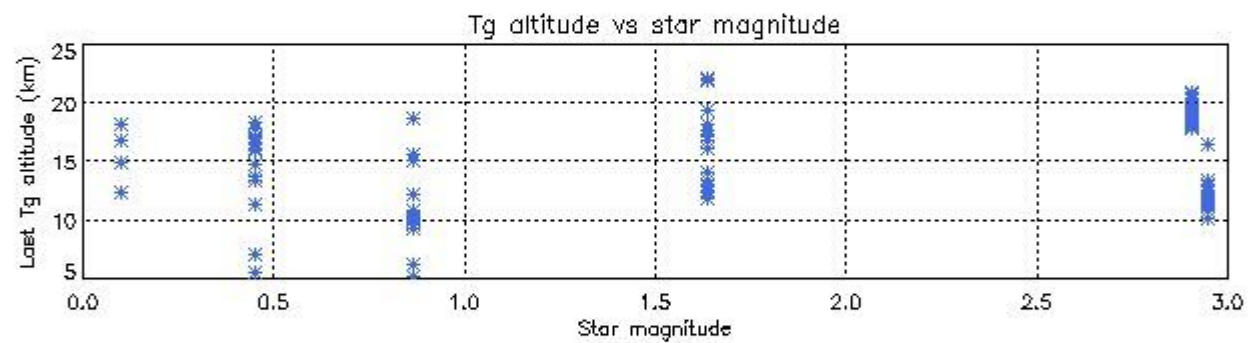
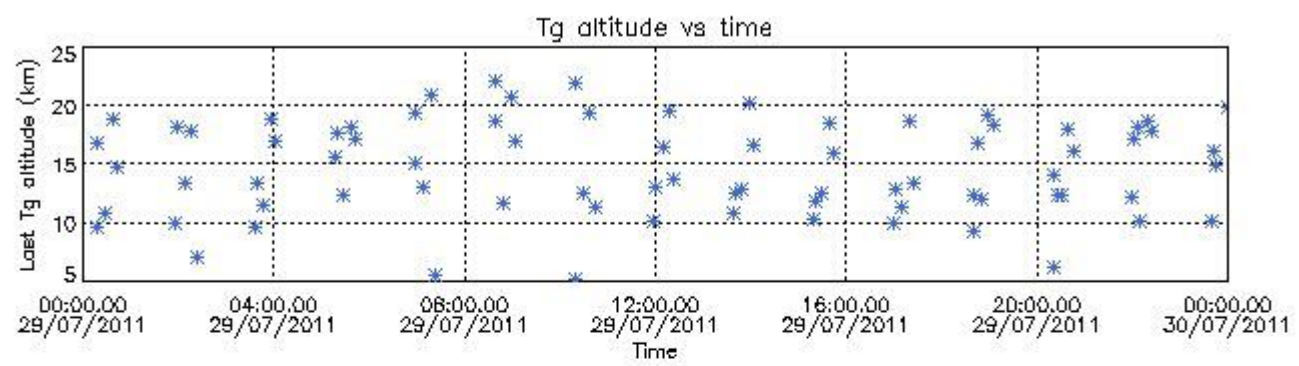
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.625	18.836	NaN
St. deviation:	3.9883	5.2402	NaN
Maximum:	22.070	27.385	NaN
Minimum:	5.2243	3.2985	NaN
Number of data:	77.000	116.00	NaN

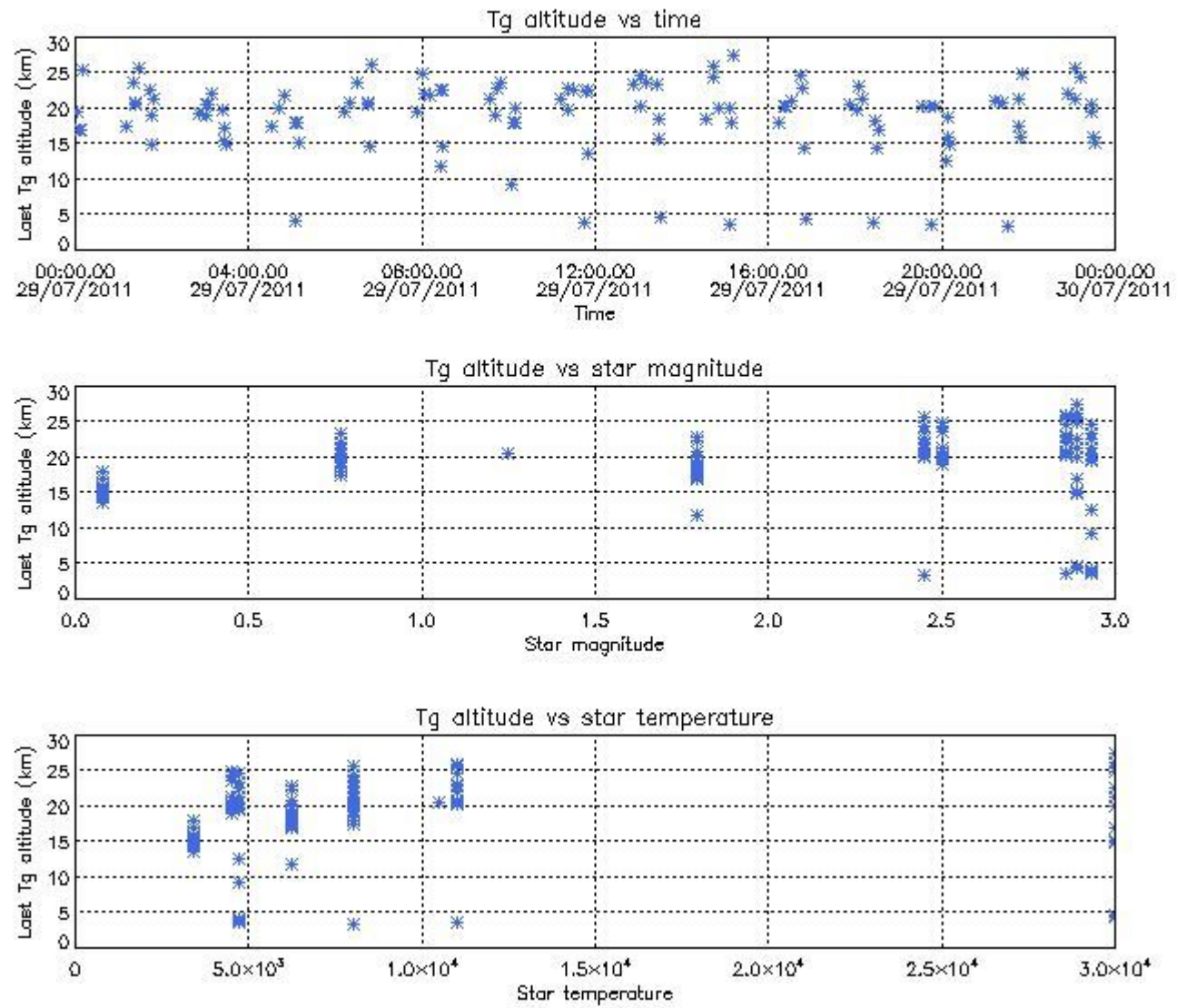
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

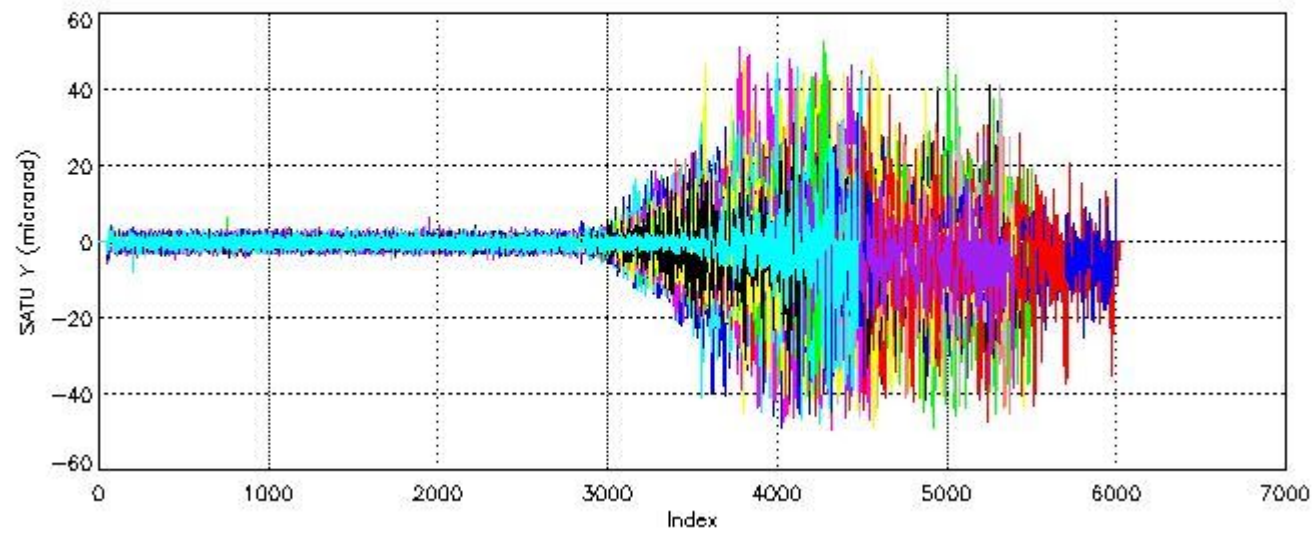
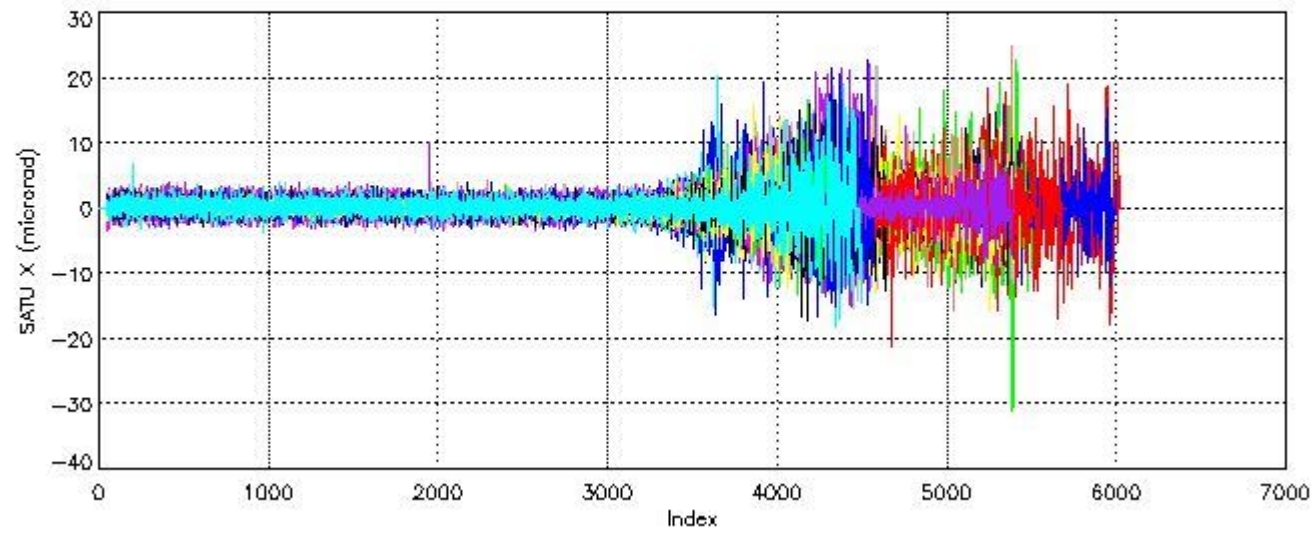


7. Star Acquisition and Tracking Unit (SATU)

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:	0.17217	-0.23089	0.22187	-0.22536
St. deviation:	0.43874	0.50860	0.75175	0.83079
Maximum:	6.8000	6.3000	6.6000	6.9000
Minimum:	-3.8000	-7.8000	-12.700	-8.1000

Number of data:	77350.	77350.	1.1775E+05	1.1775E+05
90Percentile:	0.70000	0.40000	1.2000	0.80000

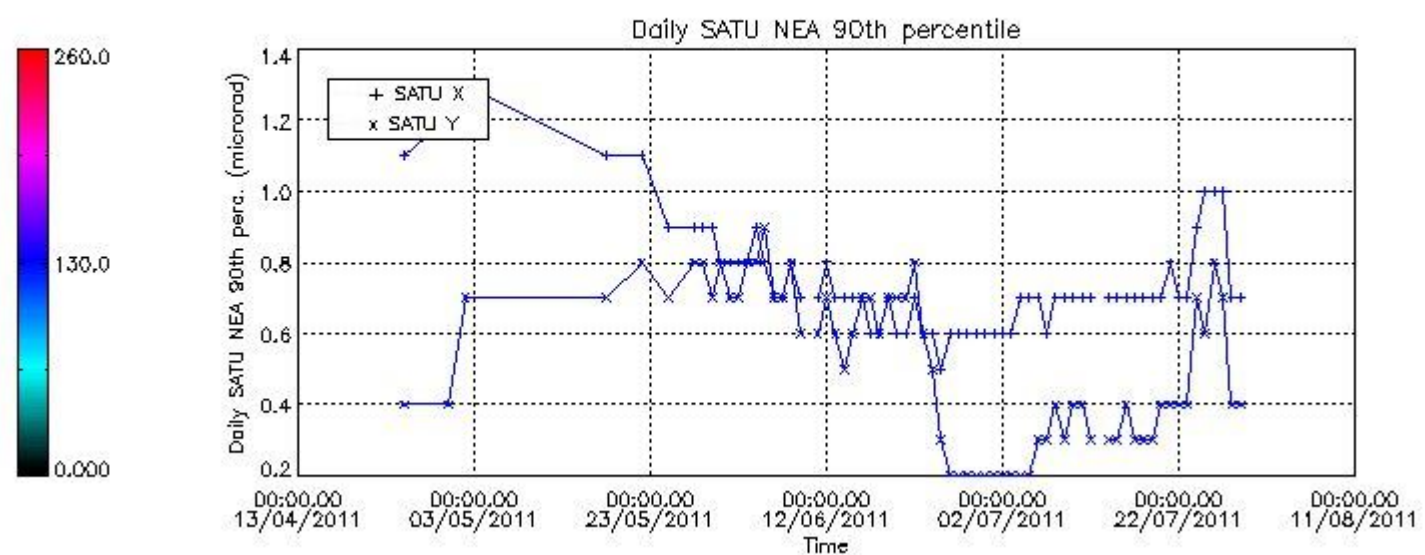
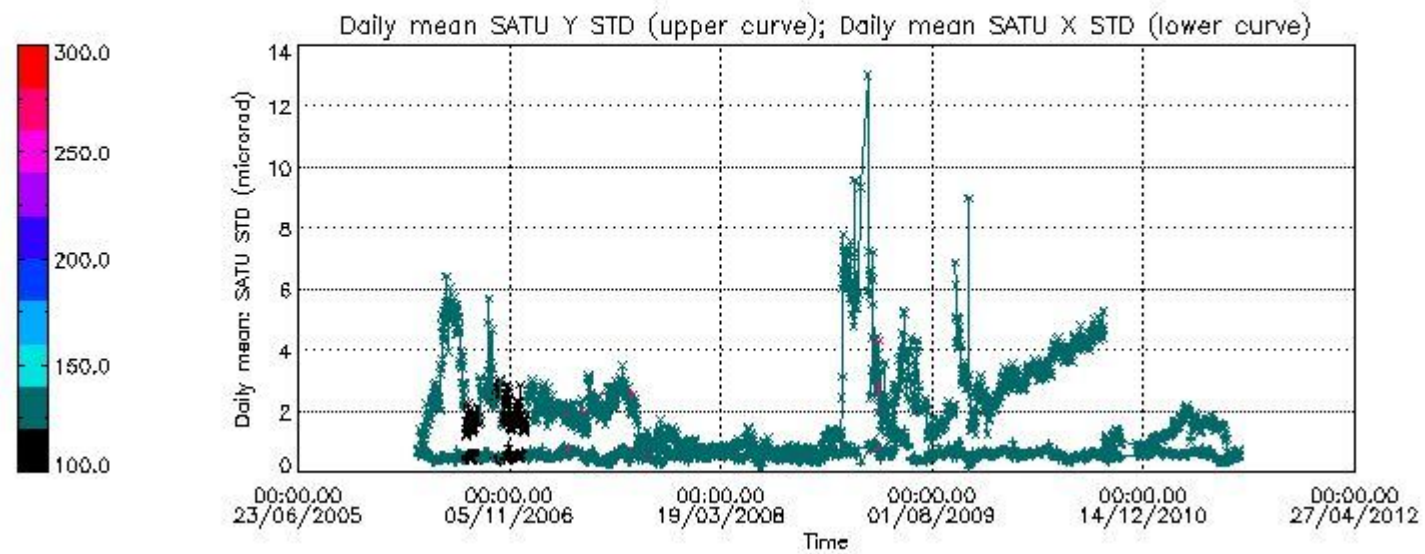
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

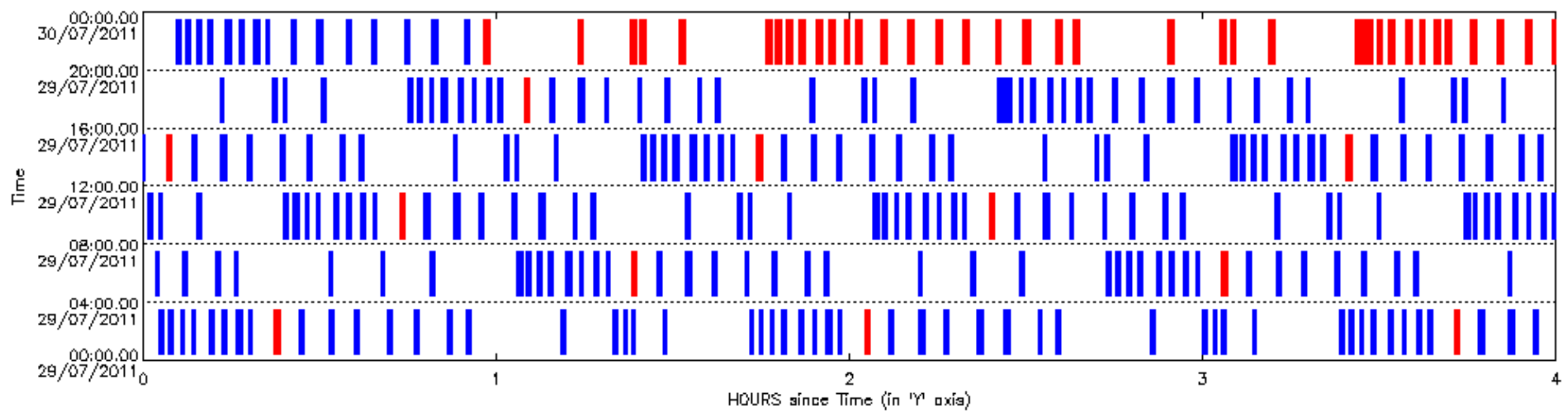
Lower curve: STD of SATU X axis

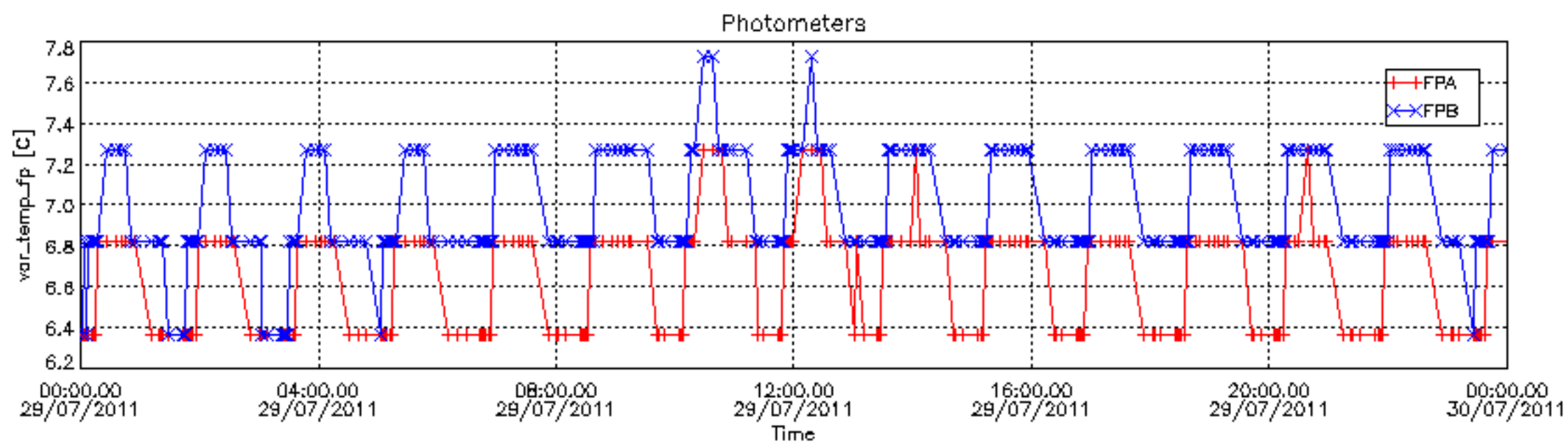
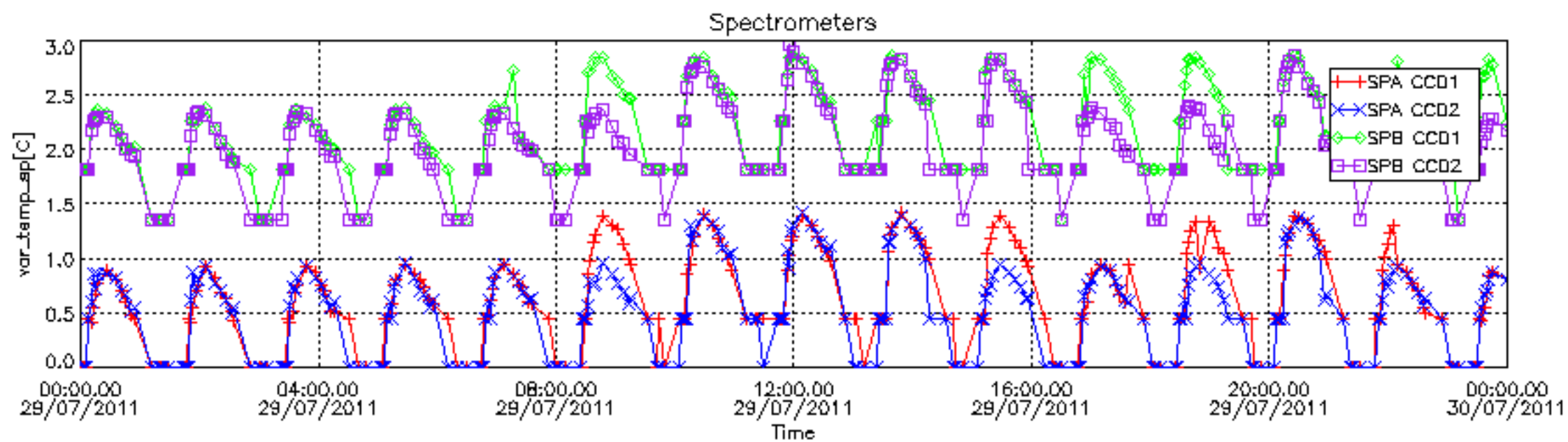


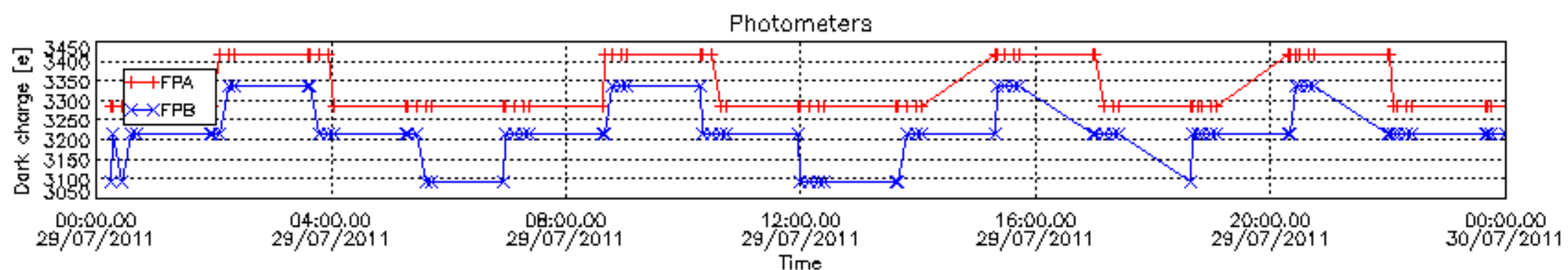
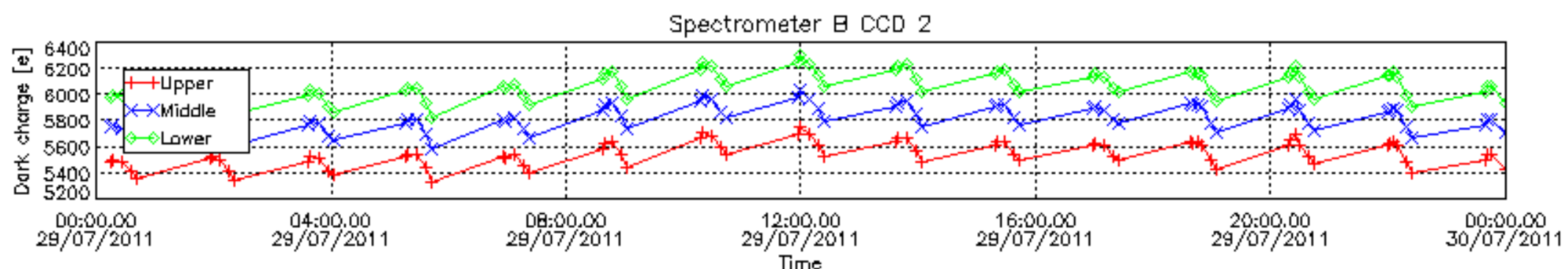
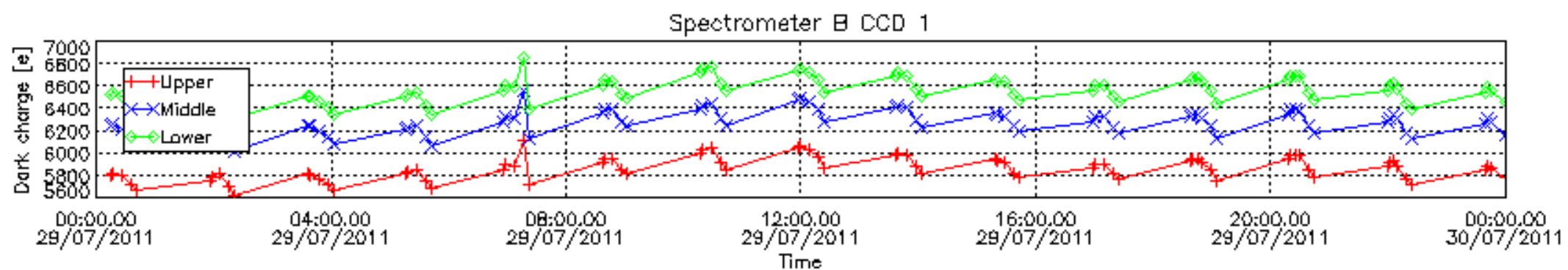
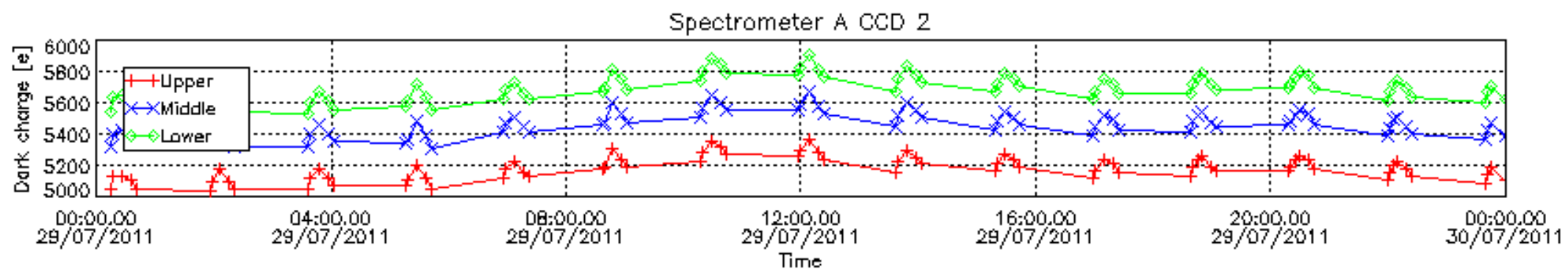
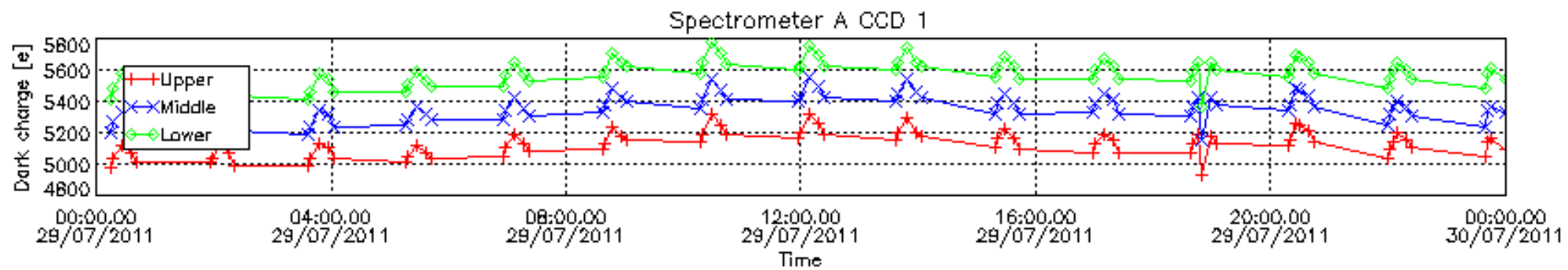
8. Auxiliary Data Files used for the production reported in section 2.4

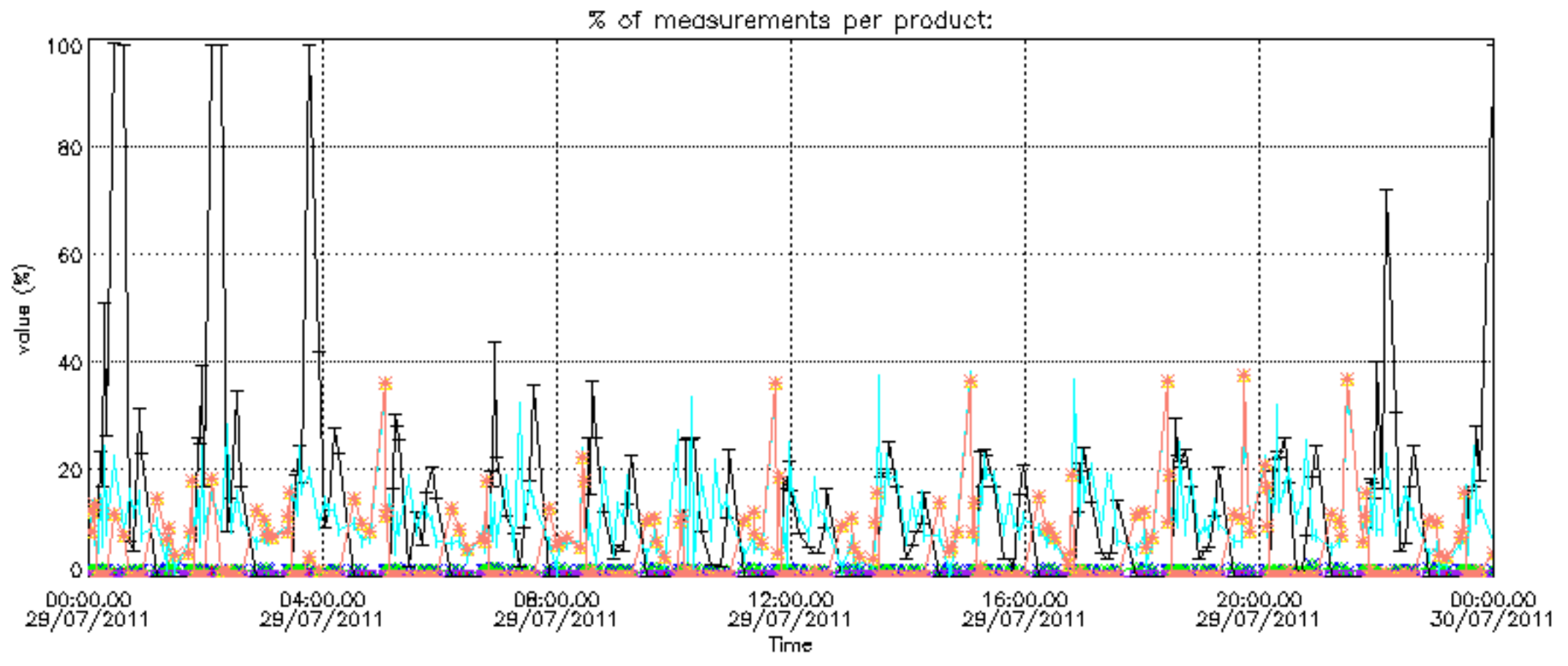
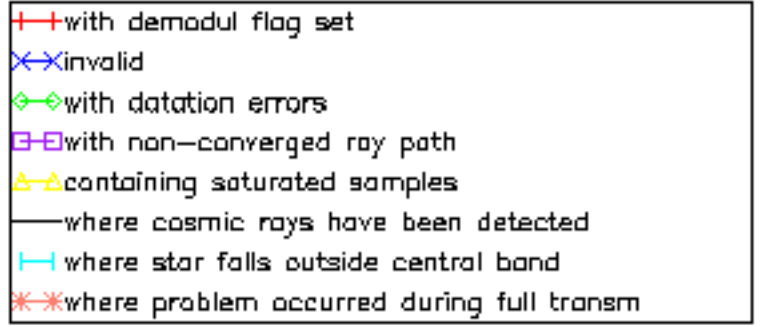
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	29-JUL-2011 00:02:40
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110727_140829_20110725_000000_20500101_000000	1	29-JUL-2011 00:02:40
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	29-JUL-2011 00:02:40
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	29-JUL-2011 00:02:40
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	29-JUL-2011 00:02:40
ECMWF_FILE	AUX_ECF_AXNECM20110728_062114_20110728_210000_20110729_090000	1	29-JUL-2011 00:02:40
ECMWF_FILE	AUX_ECF_AXNECM20110728_184549_20110729_030000_20110729_150000	39	29-JUL-2011 03:23:07
ECMWF_FILE	AUX_ECA_AXNECM20110729_062114_20110728_210000_20110729_090000	56	29-JUL-2011 05:03:21
ECMWF_FILE	AUX_ECF_AXNECM20110728_184549_20110729_030000_20110729_150000	87	29-JUL-2011 07:51:51
ECMWF_FILE	AUX_ECF_AXNECM20110729_062114_20110729_090000_20110729_210000	105	29-JUL-2011 09:32:05
ECMWF_FILE	AUX_ECF_AXNECM20110729_062115_20110729_150000_20110730_030000	177	29-JUL-2011 16:13:00
ECMWF_FILE	AUX_ECA_AXNECM20110729_181918_20110729_090000_20110729_210000	194	29-JUL-2011 17:37:14
ECMWF_FILE	AUX_ECF_AXNECM20110729_062115_20110729_150000_20110730_030000	231	29-JUL-2011 20:54:35
ECMWF_FILE	AUX_ECF_AXNECM20110729_062115_20110729_210000_20110730_090000	246	29-JUL-2011 22:09:38
OPTIONAL_ECMWF_FILE	MISSING	1	29-JUL-2011 00:02:40
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110728_102113_20110727_183235_20110806_204621	1	29-JUL-2011 00:02:40
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110727_102226_20110726_190919_20110805_212306	73	29-JUL-2011 06:43:35
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110729_102114_20110728_193604_20110807_200937	105	29-JUL-2011 09:32:05

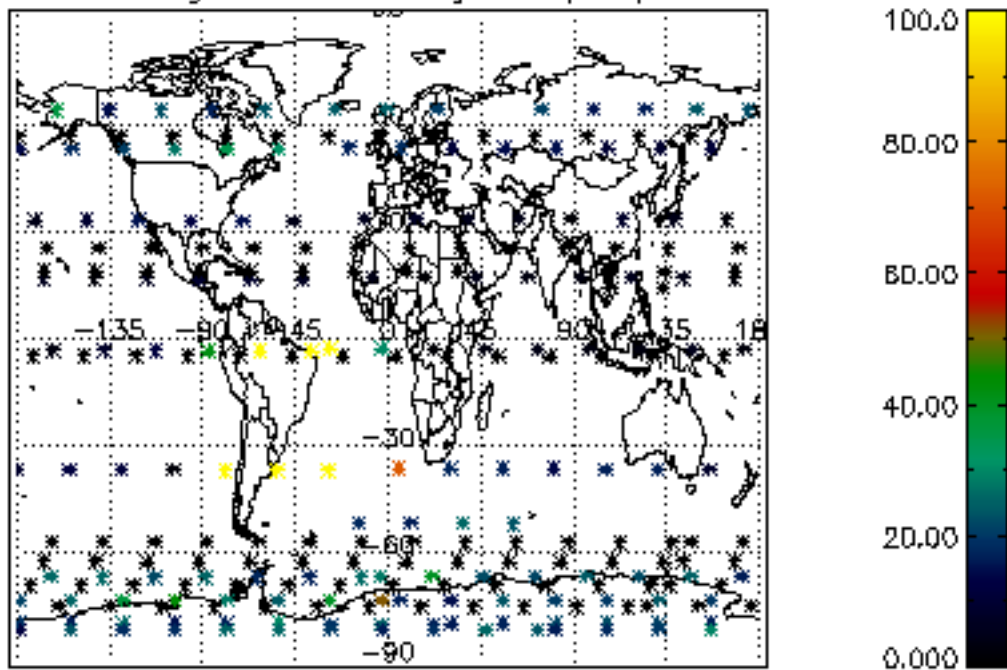




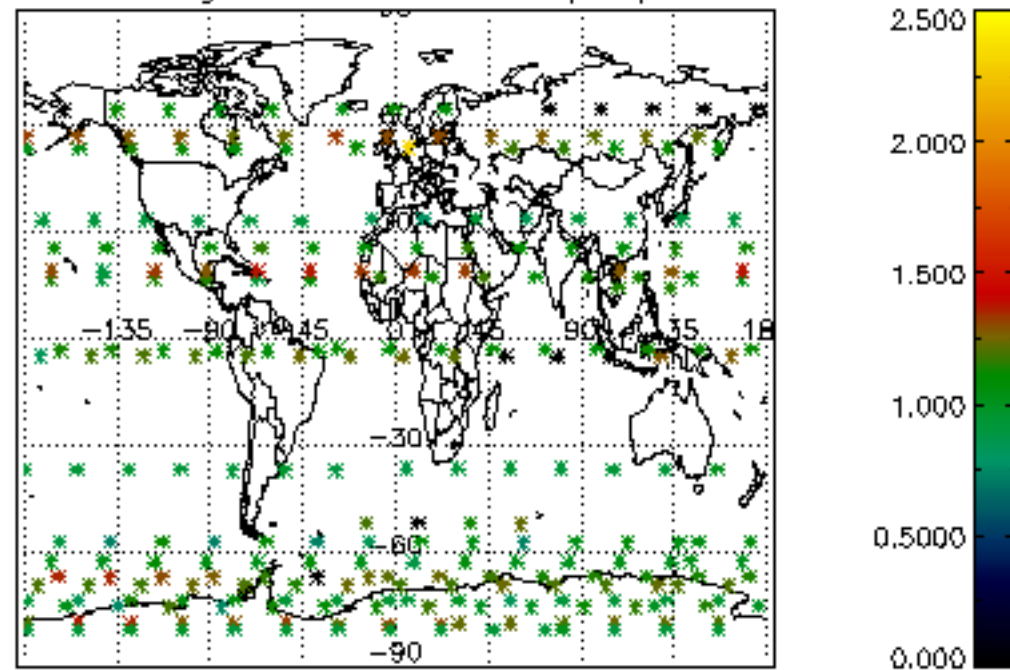




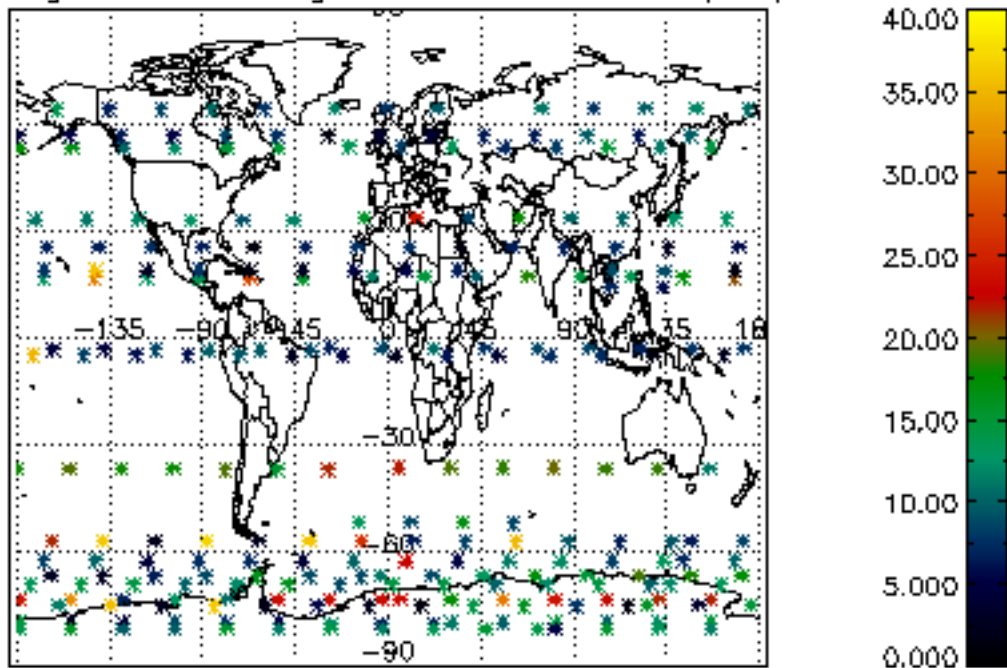
Percentage of cosmic ray hits per profile



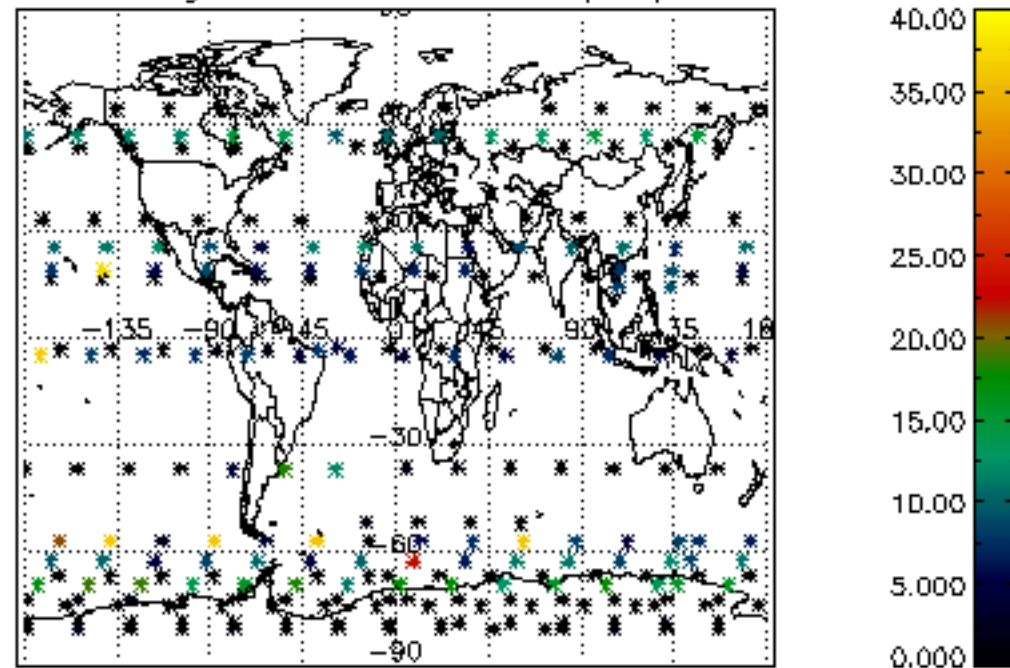
Percentage of datation errors per profile



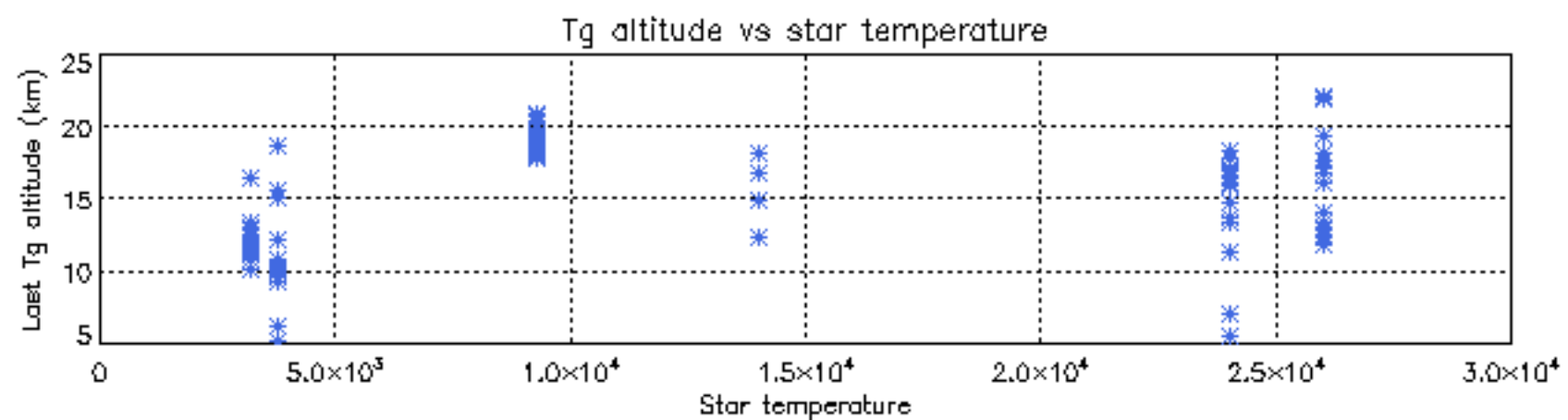
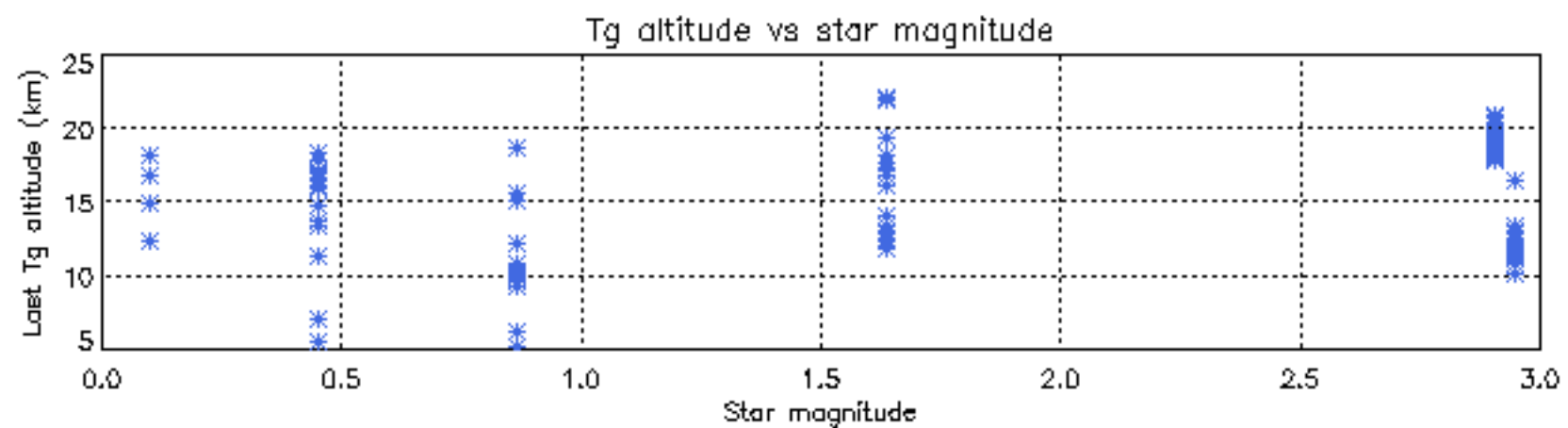
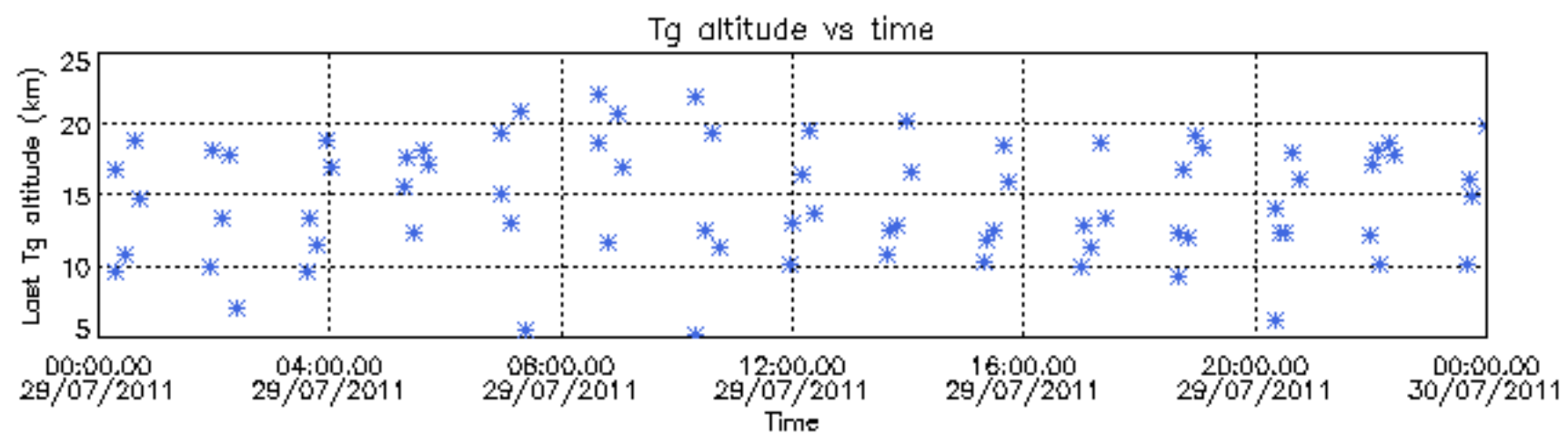
Percentage of star falling outside central band per profile



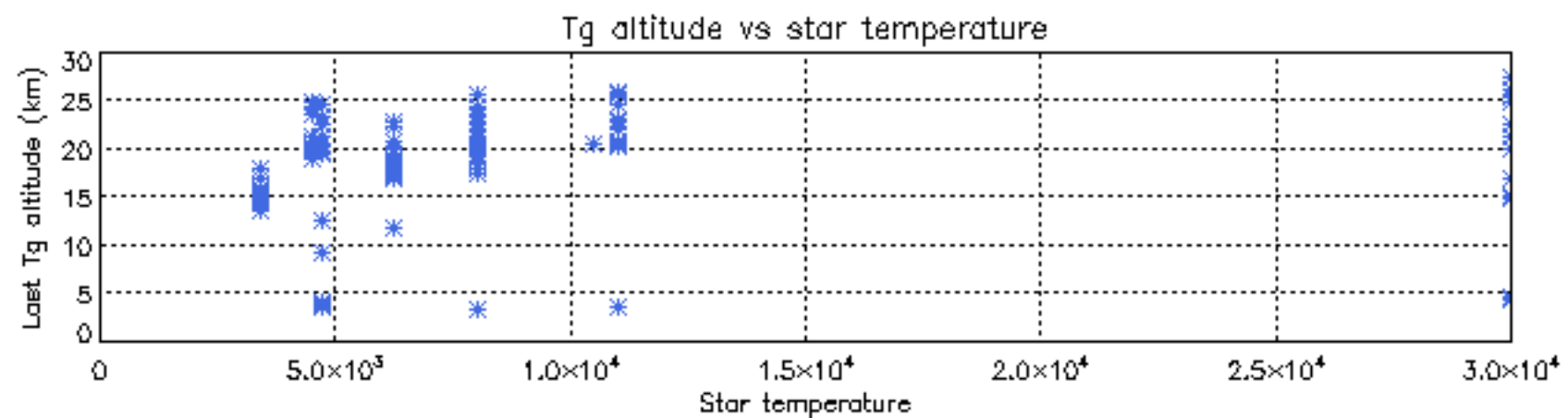
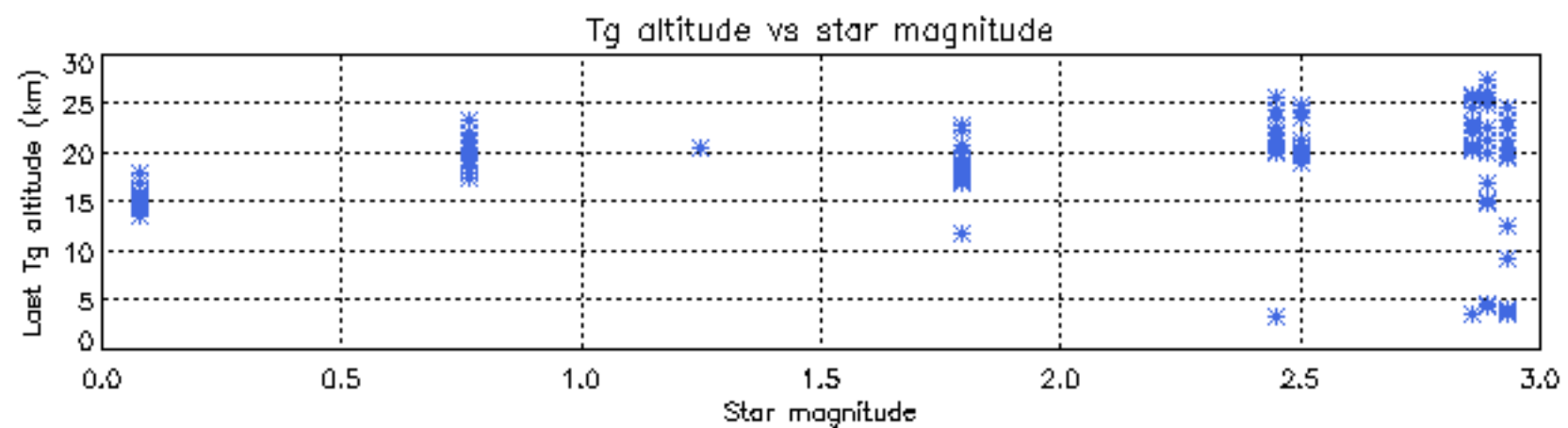
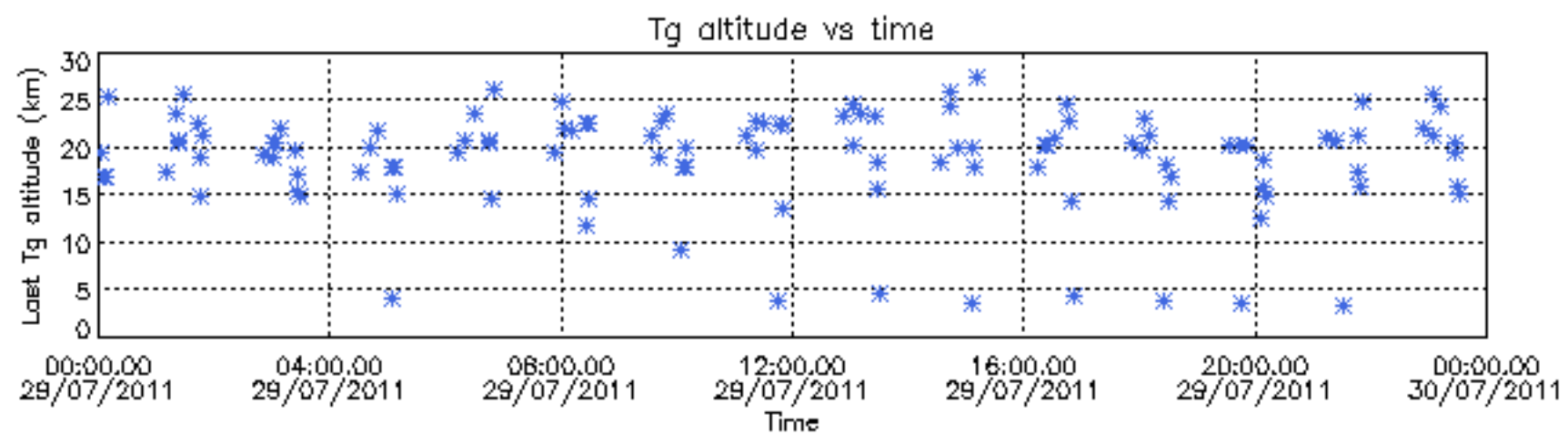
Percentage of saturation errors per profile

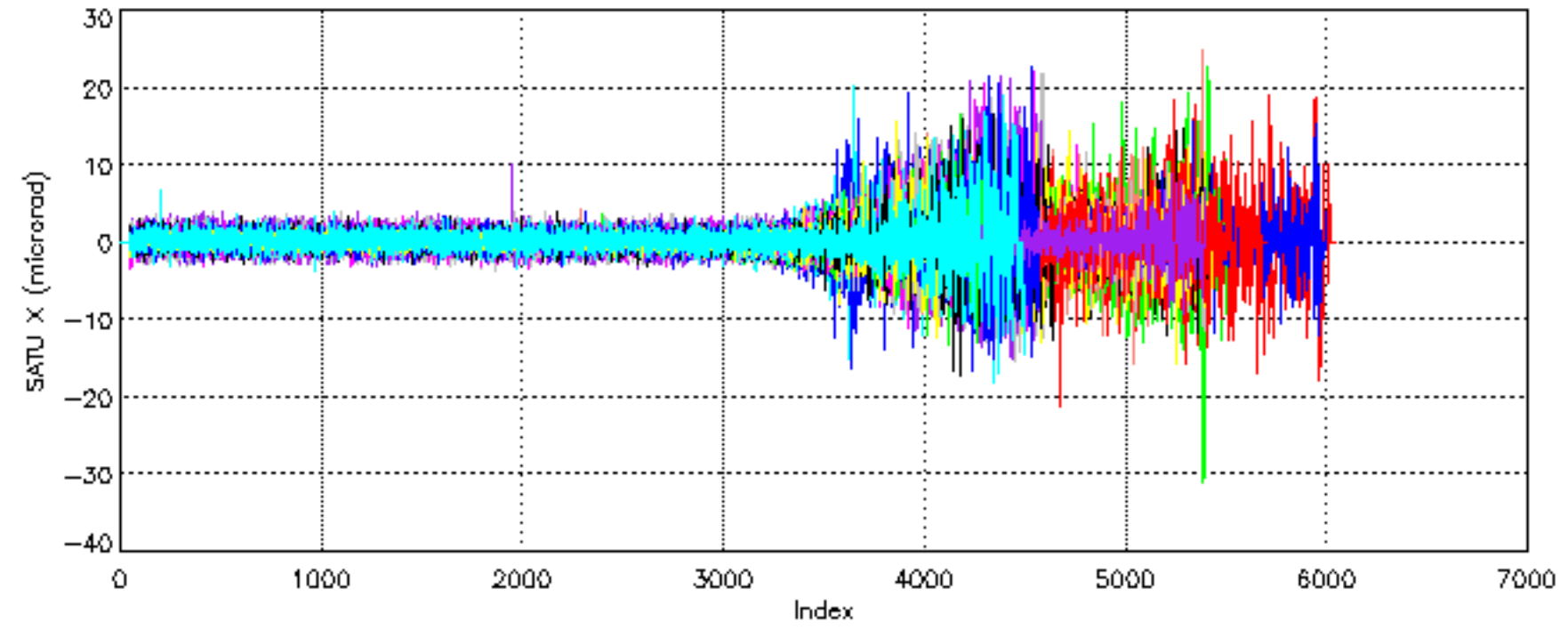


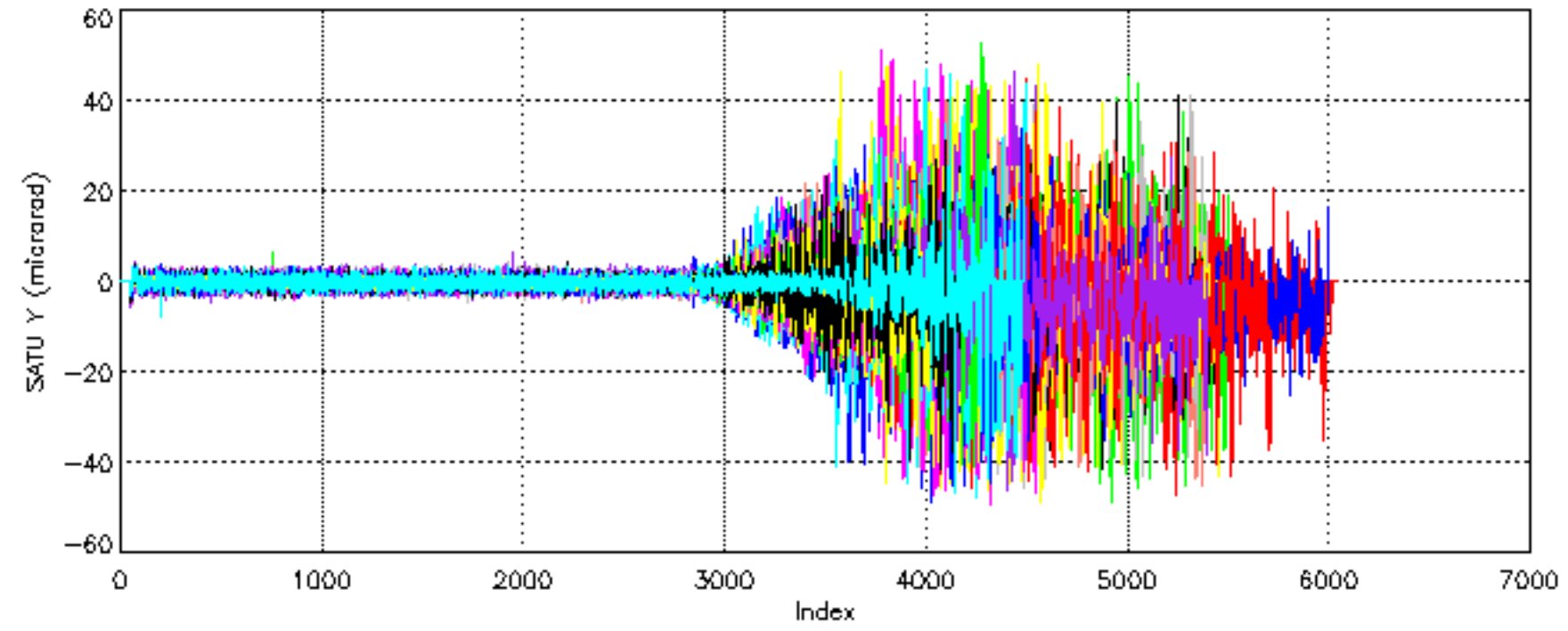
Tangent altitude at which the star is lost

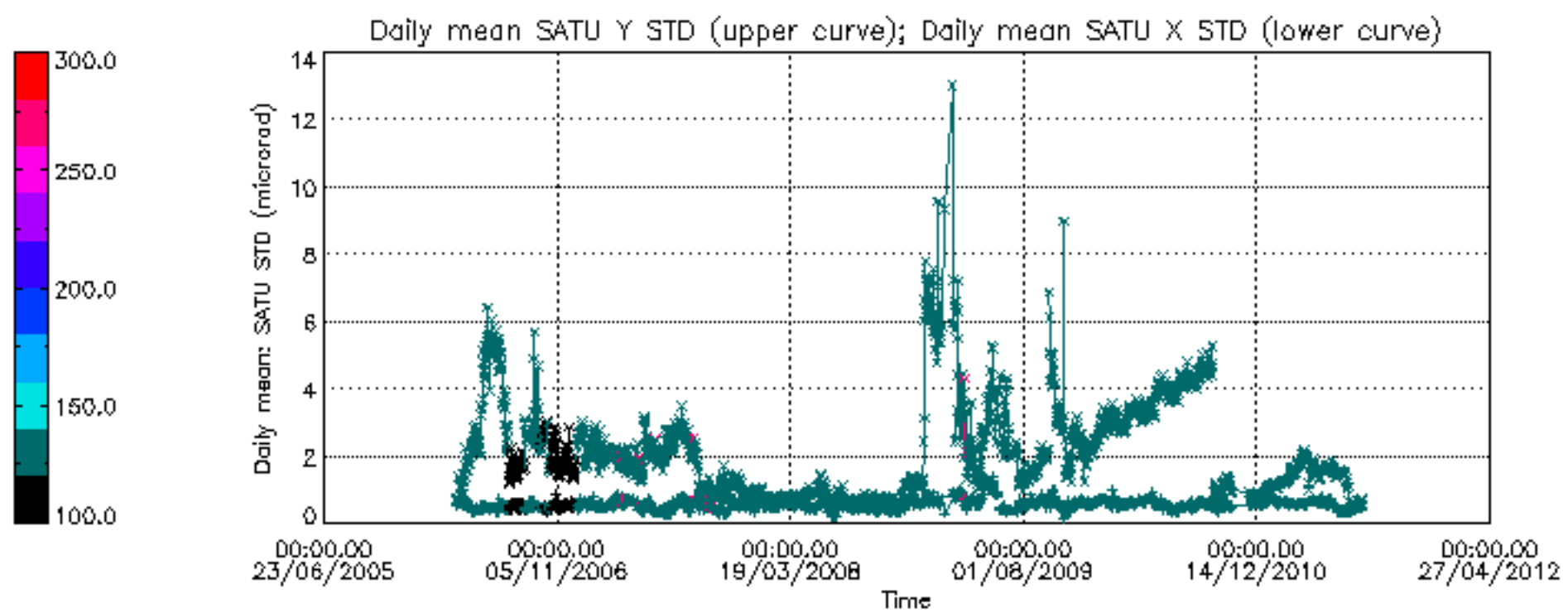


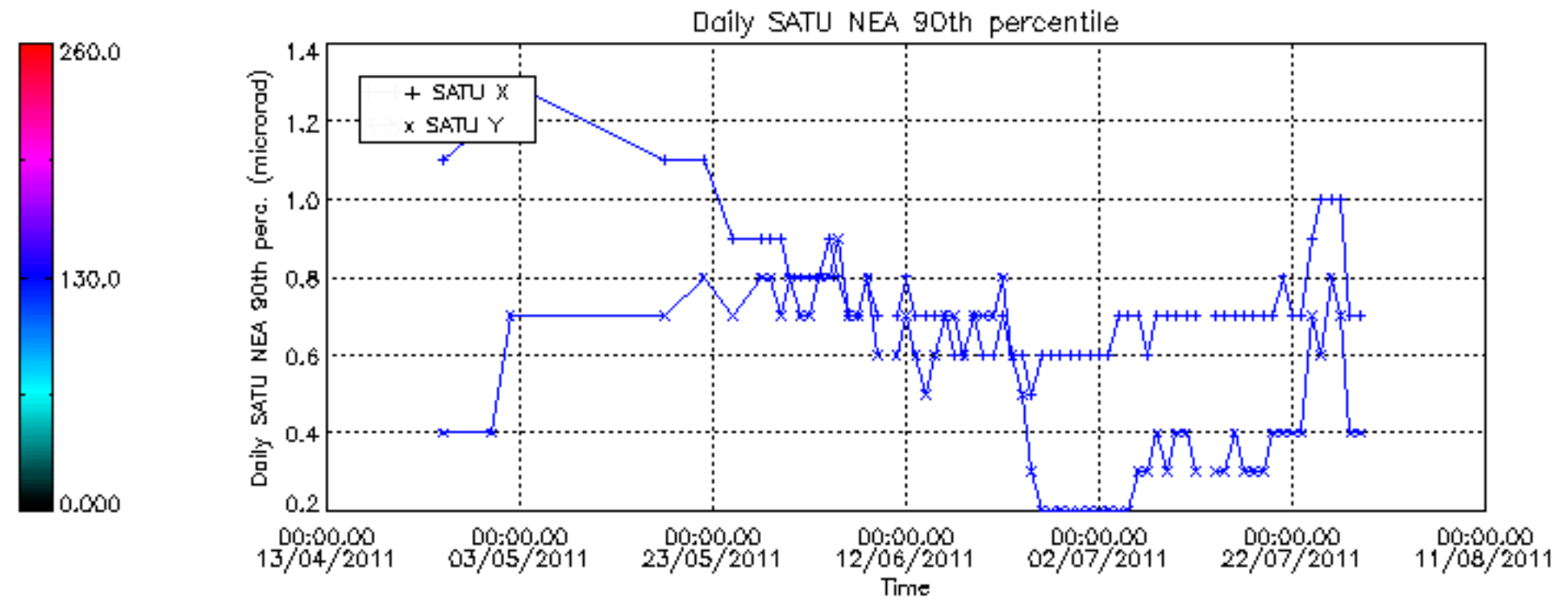
Tangent altitude at which the star is lost











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 2; 104.4; 01-JUL-2011 02:45:04; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;48811
 3; 491.2; 01-JUL-2011 02:51:31; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48811
 4; 606.4; 01-JUL-2011 02:53:26; Dark ; 53.0; 31; Alp Gru ; 1.73; 15200;occ; 106; 0;48811
 5; 744.1; 01-JUL-2011 02:55:43; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48811
 6; 1308.9; 01-JUL-2011 03:05:08; Dark ; 49.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 98; 0;48811
 7; 1472.5; 01-JUL-2011 03:07:52; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;48811
 8; 1969.7; 01-JUL-2011 03:16:09; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48811
 9; 2108.6; 01-JUL-2011 03:18:28; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48811
10; 2210.9; 01-JUL-2011 03:20:10; Bright; 48.0; 168; 17Zet Aql ; 2.99; 11000;occ; 96; 0;48811
11; 2630.2; 01-JUL-2011 03:27:10; Bright; 45.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 91; 0;48811
12; 2791.4; 01-JUL-2011 03:29:51; Bright; 34.0; 130; 23Bet Dra ; 2.80; 5800;occ; 68; 0;48811
13; 2894.4; 01-JUL-2011 03:31:34; Bright; 63.0; 144; 18Del Cyg ; 2.86; 11000;occ; 126; 0;48811
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 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
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 9; -519.6; 01-JUL-2011 04:14:54; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48811
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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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 6;-1611.4; 01-JUL-2011 05:36:56; Dark ; 51.0; 173; 4Bet Tri ; 3.00; 8900;occ; 102; 0;48812
 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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10; 106.4; 01-JUL-2011 06:05:34; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48813
11; 493.1; 01-JUL-2011 06:12:01; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48813
12; 608.2; 01-JUL-2011 06:13:56; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;48813
13; 745.1; 01-JUL-2011 06:16:13; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48813
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16; 1969.7; 01-JUL-2011 06:36:37; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48813
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5; 2880.3; 02-JUL-2011 07:55:18; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;48828
6; 3304.9; 02-JUL-2011 08:02:22; Bright; 42.0; 89; 5Alp Cep ; 2.45; 8000;occ; 84; 0;48828
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8; 3847.6; 02-JUL-2011 08:11:25; Bright; 63.0; 110; 37Del Cas ; 2.68; 8900;occ; 126; 0;48828
9; 4040.2; 02-JUL-2011 08:14:37; Bright; 39.5; 160; 23Gam Per ; 2.93; 4700;occ; 79; 0;48828
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3; 2201.6; 02-JUL-2011 11:04:27; Bright; 46.5; 168; 17Zet Aql ; 2.99; 11000;occ; 93; 0;48830
4; 2621.8; 02-JUL-2011 11:11:27; Bright; 46.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 92; 0;48830
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6; 3303.6; 02-JUL-2011 11:22:49; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48830
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 9; 3300.9; 02-JUL-2011 18:03:42; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48834
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13; 4146.5; 02-JUL-2011 18:17:48; Bright; 52.0; 175; 39Del Per ; 3.01; 19400;occ; 104; 0;48834
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 9; 3300.2; 02-JUL-2011 19:43:55; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48835
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12; 4039.7; 02-JUL-2011 19:56:15; Bright; 57.0; 160; 23Gam Per ; 2.93; 4700;occ; 114; 0;48835
13; 4146.4; 02-JUL-2011 19:58:02; Bright; 32.5; 175; 39Del Per ; 3.01; 19400;occ; 65; 0;48835
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