

# GOMOS Daily Report 30-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	03AUG2011 07:06:38
Data source version	GOMOS/6.01
Start time of products	30JUL2011 00:04:51
Stop time of products	30JUL2011 23:57:24
Store outputs in DB	Yes
Nb of level 1b prods	280
Nb of prods with errors	1

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

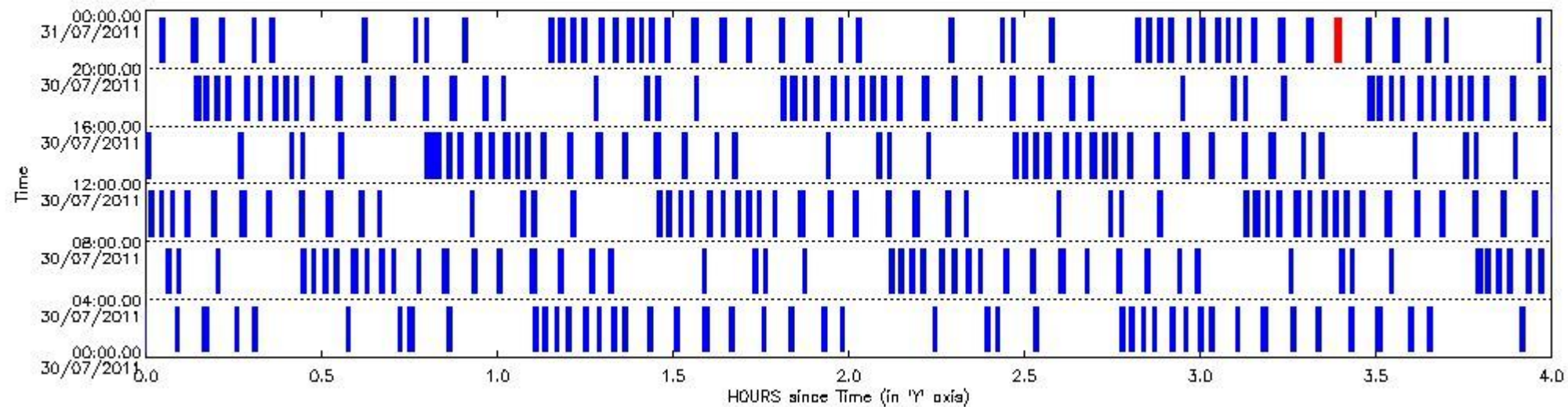
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
30-JUL-2011 23:22:51	The1Eri	157	49239

### 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_1PNPDE20110730_000451_000000443105_00074_49226_9165.N1	30-JUL-2011 00:04:51	Dark	43.500	9	Alp Eri	0.45300	24000.	87	49226	No
2	GOM_TRA_1PNPDE20110730_000928_000000673105_00074_49226_9166.N1	30-JUL-2011 00:09:28	Straylight	67.000	84	Alp Phe	2.3970	4500.0	134	49226	No
3	GOM_TRA_1PNPDE20110730_001504_000000453105_00074_49226_9167.N1	30-JUL-2011 00:15:04	Straylight	45.000	31	Alp Gru	1.7340	15200.	90	49226	No
4	GOM_TRA_1PNPDE20110730_001812_000000473105_00074_49226_9168.N1	30-JUL-2011 00:18:12	Straylight	46.500	172	Gam Gru	3.0030	13100.	93	49226	No
5	GOM_TRA_1PNPDE20110730_003410_000000393105_00074_49226_9169.N1	30-JUL-2011 00:34:10	Bright	39.000	11	53Alp Aql	0.76500	8000.0	78	49226	No
6	GOM_TRA_1PNPDE20110730_004255_000000453105_00074_49226_9170.N1	30-JUL-2011 00:42:55	Bright	44.500	92	53Eps Cyg	2.5000	4500.0	89	49226	No
7	GOM_TRA_1PNPDE20110730_004445_000000563105_00074_49226_9171.N1	30-JUL-2011 00:44:45	Bright	56.000	144	18Del Cyg	2.8600	11000.	112	49226	No
8	GOM_TRA_1PNPDE20110730_005123_000000383105_00074_49226_9172.N1	30-JUL-2011 00:51:23	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	49226	No
9	GOM_TRA_1PNPDE20110730_010605_000000483105_00074_49226_9173.N1	30-JUL-2011 01:06:05	Bright	47.500	160	23Gam Per	2.9300	4700.0	95	49226	No
10	GOM_TRA_1PNPDE20110730_010742_000000503105_00074_49226_9174.N1	30-JUL-2011 01:07:42	Bright	50.000	35	33Alp Per	1.7950	6250.0	100	49226	No

11	GOM_TRA_1PNPDE20110730_010941_000000433105_00074_49226_9175.N1	30-JUL-2011 01:09:41	Bright	43.000	6	13Alp Aur	0.080000	3400.0	86	49226	No
12	GOM_TRA_1PNPDE20110730_011135_000000473105_00074_49226_9176.N1	30-JUL-2011 01:11:35	Bright	47.000	149	45Eps Per	2.8880	30000.	94	49226	No
13	GOM_TRA_1PNPDE20110730_011437_000000553105_00074_49226_9177.N1	30-JUL-2011 01:14:37	Twilight	55.000	150	44Zet Per	2.8900	28000.	110	49226	No
14	GOM_TRA_1PNPDE20110730_011655_000000403105_00074_49226_9178.N1	30-JUL-2011 01:16:55	Twilight	39.500	176	23Zet Tau	3.0200	22000.	79	49226	No
15	GOM_TRA_1PNPDE20110730_011921_000000523105_00074_49226_9179.N1	30-JUL-2011 01:19:21	Dark	51.500	13	87Alp Tau	0.86700	3800.0	103	49226	No
16	GOM_TRA_1PNPDE20110730_012123_000000393105_00074_49226_9180.N1	30-JUL-2011 01:21:23	Dark	38.500	27	24Gam Ori	1.6360	26000.	77	49226	No
17	GOM_TRA_1PNPDE20110730_012543_000000433105_00074_49226_9181.N1	30-JUL-2011 01:25:43	Dark	43.000	7	19Bet Ori	0.10000	14000.	86	49226	No
18	GOM_TRA_1PNPDE20110730_013008_000000553105_00074_49226_9209.N1	30-JUL-2011 01:30:08	Dark	55.000	165	34Gam Eri	2.9500	3200.0	110	49226	No
19	GOM_TRA_1PNPDE20110730_013931_000000453105_00074_49226_9210.N1	30-JUL-2011 01:39:31	Dark	45.000	157	The1Eri	2.9060	9300.0	90	49226	No
20	GOM_TRA_1PNPDE20110730_014505_000000433105_00075_49227_9211.N1	30-JUL-2011 01:45:05	Dark	43.000	9	Alp Eri	0.45300	24000.	86	49227	No
21	GOM_TRA_1PNPDE20110730_014943_000000543105_00075_49227_9212.N1	30-JUL-2011 01:49:43	Straylight	54.000	84	Alp Phe	2.3970	4500.0	108	49227	No
22	GOM_TRA_1PNPDE20110730_015518_000000463105_00075_49227_9213.N1	30-JUL-2011 01:55:18	Straylight	45.500	31	Alp Gru	1.7340	15200.	91	49227	No
23	GOM_TRA_1PNPDE20110730_015826_000000473105_00075_49227_9214.N1	30-JUL-2011 01:58:26	Straylight	46.500	172	Gam Gru	3.0030	13100.	93	49227	No
24	GOM_TRA_1PNPDE20110730_021423_000000393105_00075_49227_9215.N1	30-JUL-2011 02:14:23	Bright	39.000	11	53Alp Aql	0.76500	8000.0	78	49227	No
25	GOM_TRA_1PNPDE20110730_022308_000000463105_00075_49227_9216.N1	30-JUL-2011 02:23:08	Bright	45.500	92	53Eps Cyg	2.5000	4500.0	91	49227	No
26	GOM_TRA_1PNPDE20110730_022458_000000393105_00075_49227_9217.N1	30-JUL-2011 02:24:58	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	49227	No
27	GOM_TRA_1PNPDE20110730_023136_000000373105_00075_49227_9218.N1	30-JUL-2011 02:31:36	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	49227	No
28	GOM_TRA_1PNPDE20110730_024618_000000483105_00075_49227_9219.N1	30-JUL-2011 02:46:18	Bright	47.500	160	23Gam Per	2.9300	4700.0	95	49227	No
29	GOM_TRA_1PNPDE20110730_024756_000000493105_00075_49227_9220.N1	30-JUL-2011 02:47:56	Bright	49.000	35	33Alp Per	1.7950	6250.0	98	49227	No
30	GOM_TRA_1PNPDE20110730_024955_000000423105_00075_49227_9221.N1	30-JUL-2011 02:49:55	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	49227	No
31	GOM_TRA_1PNPDE20110730_025149_000000423105_00075_49227_9222.N1	30-JUL-2011 02:51:49	Bright	42.000	149	45Eps Per	2.8880	30000.	84	49227	No
32	GOM_TRA_1PNPDE20110730_025451_000000553105_00075_49227_9223.N1	30-JUL-2011 02:54:51	Twilight	54.500	150	44Zet Per	2.8900	28000.	109	49227	No
33	GOM_TRA_1PNPDE20110730_025709_000000383105_00075_49227_9224.N1	30-JUL-2011 02:57:09	Twilight	38.000	176	23Zet Tau	3.0200	22000.	76	49227	No
34	GOM_TRA_1PNPDE20110730_025935_000000493105_00075_49227_9225.N1	30-JUL-2011 02:59:35	Dark	48.500	13	87Alp Tau	0.86700	3800.0	97	49227	No
35	GOM_TRA_1PNPDE20110730_030137_000000403105_00075_49227_9226.N1	30-JUL-2011 03:01:37	Dark	40.000	27	24Gam Ori	1.6360	26000.	80	49227	No
36	GOM_TRA_1PNPDE20110730_030558_000000423105_00075_49227_9227.N1	30-JUL-2011 03:05:58	Dark	41.500	7	19Bet Ori	0.10000	14000.	83	49227	No
37	GOM_TRA_1PNPDE20110730_031023_000000563105_00075_49227_9228.N1	30-JUL-2011 03:10:23	Dark	55.500	165	34Gam Eri	2.9500	3200.0	111	49227	No
38	GOM_TRA_1PNPDE20110730_031946_000000453105_00075_49227_9229.N1	30-JUL-2011 03:19:46	Dark	44.500	157	The1Eri	2.9060	9300.0	89	49227	No
39	GOM_TRA_1PNPDE20110730_032520_000000443105_00076_49228_9230.N1	30-JUL-2011 03:25:20	Dark	43.500	9	Alp Eri	0.45300	24000.	87	49228	No
40	GOM_TRA_1PNPDE20110730_032959_000000543105_00076_49228_9231.N1	30-JUL-2011 03:29:59	Straylight	54.000	84	Alp Phe	2.3970	4500.0	108	49228	No
41	GOM_TRA_1PNPDE20110730_033533_000000443105_00076_49228_9232.N1	30-JUL-2011 03:35:33	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	49228	No
42	GOM_TRA_1PNPDE20110730_033841_000000463105_00076_49228_9233.N1	30-JUL-2011 03:38:41	Straylight	46.000	172	Gam Gru	3.0030	13100.	92	49228	No
43	GOM_TRA_1PNPDE20110730_035438_000000393105_00076_49228_9234.N1	30-JUL-2011 03:54:38	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	49228	No
44	GOM_TRA_1PNPDE20110730_040322_000000453105_00076_49228_9235.N1	30-JUL-2011 04:03:22	Bright	45.000	92	53Eps Cyg	2.5000	4500.0	90	49228	No
45	GOM_TRA_1PNPDE20110730_040513_000000383105_00076_49228_9236.N1	30-JUL-2011 04:05:13	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	49228	No
46	GOM_TRA_1PNPDE20110730_041150_000000393105_00076_49228_9237.N1	30-JUL-2011 04:11:50	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	49228	No
47	GOM_TRA_1PNPDE20110730_042632_000000473105_00076_49228_9265.N1	30-JUL-2011 04:26:32	Bright	46.500	160	23Gam Per	2.9300	4700.0	93	49228	No
48	GOM_TRA_1PNPDE20110730_042810_000000483105_00076_49228_9266.N1	30-JUL-2011 04:28:10	Bright	47.500	35	33Alp Per	1.7950	6250.0	95	49228	No
49	GOM_TRA_1PNPDE20110730_043009_000000413105_00076_49228_9267.N1	30-JUL-2011 04:30:09	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	49228	No
50	GOM_TRA_1PNPDE20110730_043203_000000463105_00076_49228_9268.N1	30-JUL-2011 04:32:03	Bright	45.500	149	45Eps Per	2.8880	30000.	91	49228	No
51	GOM_TRA_1PNPDE20110730_043505_000000543105_00076_49228_9269.N1	30-JUL-2011 04:35:05	Twilight	53.500	150	44Zet Per	2.8900	28000.	107	49228	No
52	GOM_TRA_1PNPDE20110730_043724_000000393105_00076_49228_9270.N1	30-JUL-2011 04:37:24	Twilight	39.000	176	23Zet Tau	3.0200	22000.	78	49228	No
53	GOM_TRA_1PNPDE20110730_043950_000000523105_00076_49228_9271.N1	30-JUL-2011 04:39:50	Dark	51.500	13	87Alp Tau	0.86700	3800.0	103	49228	No
54	GOM_TRA_1PNPDE20110730_044151_000000413105_00076_49228_9272.N1	30-JUL-2011 04:41:51	Dark	41.000	27	24Gam Ori	1.6360	26000.	82	49228	No
55	GOM_TRA_1PNPDE20110730_044612_000000393105_00076_49228_9273.N1	30-JUL-2011 04:46:12	Dark	39.000	7	19Bet Ori	0.10000	14000.	78	49228	No
56	GOM_TRA_1PNPDE20110730_045038_000000563105_00076_49228_9274.N1	30-JUL-2011 04:50:38	Dark	55.500	165	34Gam Eri	2.9500	3200.0	111	49228	No
57	GOM_TRA_1PNPDE20110730_050001_000000473105_00076_49228_9275.N1	30-JUL-2011 05:00:01	Dark	46.500	157	The1Eri	2.9060	9300.0	93	49228	No
58	GOM_TRA_1PNPDE20110730_050535_000000543105_00077_49229_9276.N1	30-JUL-2011 05:05:35	Dark	53.500	9	Alp Eri	0.45300	24000.	107	49229	No
59	GOM_TRA_1PNPDE20110730_051014_000000543105_00077_49229_9277.N1	30-JUL-2011 05:10:14	Straylight	53.500	84	Alp Phe	2.3970	4500.0	107	49229	No
60	GOM_TRA_1PNPDE20110730_051547_000000463105_00077_49229_9278.N1	30-JUL-2011 05:15:47	Straylight	45.500	31	Alp Gru	1.7340	15200.	91	49229	No
61	GOM_TRA_1PNPDE20110730_051856_000000453105_00077_49229_9279.N1	30-JUL-2011 05:18:56	Straylight	44.500	172	Gam Gru	3.0030	13100.	89	49229	No
62	GOM_TRA_1PNPDE20110730_053452_000000393105_00077_49229_9280.N1	30-JUL-2011 05:34:52	Bright	39.000	11	53Alp Aql	0.76500	8000.0	78	49229	No
63	GOM_TRA_1PNPDE20110730_054335_000000463105_00077_49229_9281.N1	30-JUL-2011 05:43:35	Bright	46.000	92	53Eps Cyg	2.5000	4500.0	92	49229	No
64	GOM_TRA_1PNPDE20110730_054526_000000383105_00077_49229_9282.N1	30-JUL-2011 05:45:26	Bright	37.500	144	18Del Cyg	2.8600	11000.	75	49229	No
65	GOM_TRA_1PNPDE20110730_055203_000000413105_00077_49229_9283.N1	30-JUL-2011 05:52:03	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	49229	No
66	GOM_TRA_1PNPDK20110730_060646_000000493105_00077_49229_2989.N1	30-JUL-2011 06:06:46	Bright	48.500	160	23Gam Per	2.9300	4700.0	97	49229	No
67	GOM_TRA_1PNPDK20110730_060824_000000493105_00077_49229_2990.N1	30-JUL-2011 06:08:24	Bright	49.000	35	33Alp Per	1.7950	6250.0	98	49229	No
68	GOM_TRA_1PNPDK20110730_061023_000000423105_00077_49229_2991.N1	30-JUL-2011 06:10:23	Bright	41.500	6	13Alp Aur	0.080000	3400.0	83	49229	No
69	GOM_TRA_1PNPDK20110730_061217_000000463105_00077_49229_2992.N1	30-JUL-2011 06:12:17	Bright	45.500	149	45Eps Per	2.8880	30000.	91	49229	No



70	GOM_TRA_1PNPDK20110730_061519_000000533105_00077_49229_2993.N1	30-JUL-2011 06:15:19	Tw_i_and_stray	52.500	150	44Zet Per	2.8900	28000.	105	49229	No
71	GOM_TRA_1PNPDK20110730_061738_000000413105_00077_49229_2994.N1	30-JUL-2011 06:17:38	Tw_i_and_stray	40.500	176	23Zet Tau	3.0200	22000.	81	49229	No
72	GOM_TRA_1PNPDK20110730_062004_000000483105_00077_49229_2995.N1	30-JUL-2011 06:20:04	Dark	48.000	13	87Alp Tau	0.86700	3800.0	96	49229	No
73	GOM_TRA_1PNPDK20110730_062206_000000413105_00077_49229_2996.N1	30-JUL-2011 06:22:06	Dark	40.500	27	24Gam Ori	1.6360	26000.	81	49229	No
74	GOM_TRA_1PNPDK20110730_062627_000000453105_00077_49229_2997.N1	30-JUL-2011 06:26:27	Dark	45.000	7	19Bet Ori	0.10000	14000.	90	49229	No
75	GOM_TRA_1PNPDK20110730_063053_000000553105_00077_49229_2998.N1	30-JUL-2011 06:30:53	Dark	54.500	165	34Gam Eri	2.9500	3200.0	109	49229	No
76	GOM_TRA_1PNPDK20110730_064016_000000463105_00077_49229_2999.N1	30-JUL-2011 06:40:16	Dark	45.500	157	The1Eri	2.9060	9300.0	91	49229	No
77	GOM_TRA_1PNPDK20110730_064550_000000433105_00078_49230_3000.N1	30-JUL-2011 06:45:50	Dark	43.000	9	Alp Eri	0.45300	24000.	86	49230	No
78	GOM_TRA_1PNPDK20110730_065029_000000563105_00078_49230_3001.N1	30-JUL-2011 06:50:29	Straylight	56.000	84	Alp Phe	2.3970	4500.0	112	49230	No
79	GOM_TRA_1PNPDK20110730_065602_000000453105_00078_49230_3002.N1	30-JUL-2011 06:56:02	Straylight	45.000	31	Alp Gru	1.7340	15200.	90	49230	No
80	GOM_TRA_1PNPDK20110730_065910_000000473105_00078_49230_3003.N1	30-JUL-2011 06:59:10	Straylight	46.500	172	Gam Gru	3.0030	13100.	93	49230	No
81	GOM_TRA_1PNPDK20110730_071506_000000393105_00078_49230_3026.N1	30-JUL-2011 07:15:06	Bright	39.000	11	53Alp Aql	0.76500	8000.0	78	49230	No
82	GOM_TRA_1PNPDK20110730_072349_000000463105_00078_49230_3027.N1	30-JUL-2011 07:23:49	Bright	46.000	92	53Eps Cyg	2.5000	4500.0	92	49230	No
83	GOM_TRA_1PNPDK20110730_072540_000000383105_00078_49230_3028.N1	30-JUL-2011 07:25:40	Bright	37.500	144	18Del Cyg	2.8600	11000.	75	49230	No
84	GOM_TRA_1PNPDK20110730_073217_000000403105_00078_49230_3029.N1	30-JUL-2011 07:32:17	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	49230	No
85	GOM_TRA_1PNPDK20110730_074659_000000693105_00078_49230_3030.N1	30-JUL-2011 07:46:59	Bright	69.000	160	23Gam Per	2.9300	4700.0	138	49230	No
86	GOM_TRA_1PNPDK20110730_074837_000000503105_00078_49230_3031.N1	30-JUL-2011 07:48:37	Bright	49.500	35	33Alp Per	1.7950	6250.0	99	49230	No
87	GOM_TRA_1PNPDK20110730_075037_000000423105_00078_49230_3032.N1	30-JUL-2011 07:50:37	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	49230	No
88	GOM_TRA_1PNPDK20110730_075231_000000453105_00078_49230_3033.N1	30-JUL-2011 07:52:31	Bright	44.500	149	45Eps Per	2.8880	30000.	89	49230	No
89	GOM_TRA_1PNPDK20110730_075533_000000493105_00078_49230_3034.N1	30-JUL-2011 07:55:33	Tw_i_and_stray	49.000	150	44Zet Per	2.8900	28000.	98	49230	No
90	GOM_TRA_1PNPDK20110730_075752_000000403105_00078_49230_3035.N1	30-JUL-2011 07:57:52	Tw_i_and_stray	40.000	176	23Zet Tau	3.0200	22000.	80	49230	No
91	GOM_TRA_1PNPDK20110730_080019_000000483105_00078_49230_3036.N1	30-JUL-2011 08:00:19	Dark	47.500	13	87Alp Tau	0.86700	3800.0	95	49230	No
92	GOM_TRA_1PNPDK20110730_080220_000000373105_00078_49230_3037.N1	30-JUL-2011 08:02:20	Dark	36.500	27	24Gam Ori	1.6360	26000.	73	49230	No
93	GOM_TRA_1PNPDK20110730_080406_000000343105_00078_49230_3038.N1	30-JUL-2011 08:04:06	Dark	33.500	72	34Del Ori	2.2500	30000.	67	49230	No
94	GOM_TRA_1PNPDK20110730_080641_000000473105_00078_49230_3039.N1	30-JUL-2011 08:06:41	Dark	47.000	7	19Bet Ori	0.10000	14000.	94	49230	No
95	GOM_TRA_1PNPDK20110730_081107_000000553105_00078_49230_3040.N1	30-JUL-2011 08:11:07	Dark	55.000	165	34Gam Eri	2.9500	3200.0	110	49230	No
96	GOM_TRA_1PNPDK20110730_082031_000000463105_00078_49230_3041.N1	30-JUL-2011 08:20:31	Dark	45.500	157	The1Eri	2.9060	9300.0	91	49230	No
97	GOM_TRA_1PNPDK20110730_082604_000000533105_00079_49231_3042.N1	30-JUL-2011 08:26:04	Dark	53.000	9	Alp Eri	0.45300	24000.	106	49231	No
98	GOM_TRA_1PNPDK20110730_083044_000000663105_00079_49231_3043.N1	30-JUL-2011 08:30:44	Straylight	66.000	84	Alp Phe	2.3970	4500.0	132	49231	No
99	GOM_TRA_1PNPDK20110730_083617_000000463105_00079_49231_3044.N1	30-JUL-2011 08:36:17	Straylight	46.000	31	Alp Gru	1.7340	15200.	92	49231	No
100	GOM_TRA_1PNPDK20110730_083925_000000463105_00079_49231_3045.N1	30-JUL-2011 08:39:25	Straylight	46.000	172	Gam Gru	3.0030	13100.	92	49231	No
101	GOM_TRA_1PNPDK20110730_085519_000000383105_00079_49231_3061.N1	30-JUL-2011 08:55:19	Bright	38.000	11	53Alp Aql	0.76500	8000.0	76	49231	No
102	GOM_TRA_1PNPDK20110730_090402_000000463105_00079_49231_3062.N1	30-JUL-2011 09:04:02	Bright	46.000	92	53Eps Cyg	2.5000	4500.0	92	49231	No
103	GOM_TRA_1PNPDK20110730_090554_000000393105_00079_49231_3063.N1	30-JUL-2011 09:05:54	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	49231	No
104	GOM_TRA_1PNPDK20110730_091230_000000413105_00079_49231_3064.N1	30-JUL-2011 09:12:30	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	49231	No
105	GOM_TRA_1PNPDK20110730_092713_000000473105_00079_49231_3065.N1	30-JUL-2011 09:27:13	Bright	46.500	160	23Gam Per	2.9300	4700.0	93	49231	No
106	GOM_TRA_1PNPDK20110730_092851_000000493105_00079_49231_3066.N1	30-JUL-2011 09:28:51	Bright	48.500	35	33Alp Per	1.7950	6250.0	97	49231	No
107	GOM_TRA_1PNPDK20110730_093051_000000403105_00079_49231_3067.N1	30-JUL-2011 09:30:51	Bright	40.000	6	13Alp Aur	0.080000	3400.0	80	49231	No
108	GOM_TRA_1PNPDK20110730_093245_000000463105_00079_49231_3068.N1	30-JUL-2011 09:32:45	Bright	46.000	149	45Eps Per	2.8880	30000.	92	49231	No
109	GOM_TRA_1PNPDK20110730_093547_000000493105_00079_49231_3069.N1	30-JUL-2011 09:35:47	Tw_i_and_stray	49.000	150	44Zet Per	2.8900	28000.	98	49231	No
110	GOM_TRA_1PNPDK20110730_093806_000000383105_00079_49231_3070.N1	30-JUL-2011 09:38:06	Tw_i_and_stray	38.000	176	23Zet Tau	3.0200	22000.	76	49231	No
111	GOM_TRA_1PNPDK20110730_094033_000000533105_00079_49231_3071.N1	30-JUL-2011 09:40:33	Dark	53.000	13	87Alp Tau	0.86700	3800.0	106	49231	No
112	GOM_TRA_1PNPDK20110730_094234_000000373105_00079_49231_3072.N1	30-JUL-2011 09:42:34	Dark	36.500	27	24Gam Ori	1.6360	26000.	73	49231	No
113	GOM_TRA_1PNPDK20110730_094419_000000403105_00079_49231_3073.N1	30-JUL-2011 09:44:19	Dark	39.500	72	34Del Ori	2.2500	30000.	79	49231	No
114	GOM_TRA_1PNPDK20110730_094655_000000473105_00079_49231_3074.N1	30-JUL-2011 09:46:55	Dark	47.000	7	19Bet Ori	0.10000	14000.	94	49231	No
115	GOM_TRA_1PNPDK20110730_095122_000000563105_00079_49231_3075.N1	30-JUL-2011 09:51:22	Dark	56.000	165	34Gam Eri	2.9500	3200.0	112	49231	No
116	GOM_TRA_1PNPDK20110730_100046_000000453105_00079_49231_3076.N1	30-JUL-2011 10:00:46	Dark	45.000	157	The1Eri	2.9060	9300.0	90	49231	No
117	GOM_TRA_1PNPDK20110730_100619_000000503105_00080_49232_3077.N1	30-JUL-2011 10:06:19	Dark	49.500	9	Alp Eri	0.45300	24000.	99	49232	No
118	GOM_TRA_1PNPDK20110730_101059_000000553105_00080_49232_3078.N1	30-JUL-2011 10:10:59	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	49232	No
119	GOM_TRA_1PNPDK20110730_101631_000000483105_00080_49232_3079.N1	30-JUL-2011 10:16:31	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	49232	No
120	GOM_TRA_1PNPDK20110730_101939_000000453105_00080_49232_3080.N1	30-JUL-2011 10:19:39	Straylight	44.500	172	Gam Gru	3.0030	13100.	89	49232	No
121	GOM_TRA_1PNPDK20110730_103533_000000393105_00080_49232_3110.N1	30-JUL-2011 10:35:33	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	49232	No
122	GOM_TRA_1PNPDK20110730_104415_000000473105_00080_49232_3111.N1	30-JUL-2011 10:44:15	Bright	46.500	92	53Eps Cyg	2.5000	4500.0	93	49232	No
123	GOM_TRA_1PNPDK20110730_104608_000000383105_00080_49232_3112.N1	30-JUL-2011 10:46:08	Bright	37.500	144	18Del Cyg	2.8600	11000.	75	49232	No
124	GOM_TRA_1PNPDK20110730_105244_000000483105_00080_49232_3113.N1	30-JUL-2011 10:52:44	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	49232	No
125	GOM_TRA_1PNPDK20110730_110727_000000463105_00080_49232_3114.N1	30-JUL-2011 11:07:27	Bright	45.500	160	23Gam Per	2.9300	4700.0	91	49232	No
126	GOM_TRA_1PNPDK20110730_110905_000000593105_00080_49232_3115.N1	30-JUL-2011 11:09:05	Bright	59.000	35	33Alp Per	1.7950	6250.0	118	49232	No
127	GOM_TRA_1PNPDK20110730_111105_000000433105_00080_49232_3116.N1	30-JUL-2011 11:11:05	Bright	42.500	6	13Alp Aur	0.080000	3400.0	85	49232	No
128	GOM_TRA_1PNPDK20110730_111259_000000483105_00080_49232_3117.N1	30-JUL-2011 11:12:59	Bright	47.500	149	45Eps Per	2.8880	30000.	95	49232	No

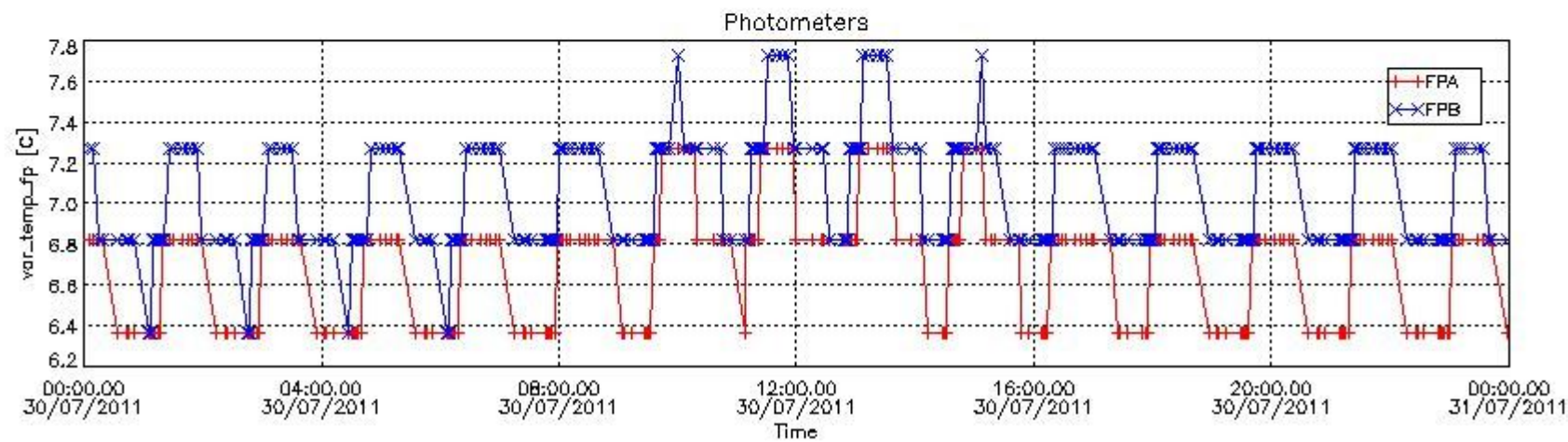
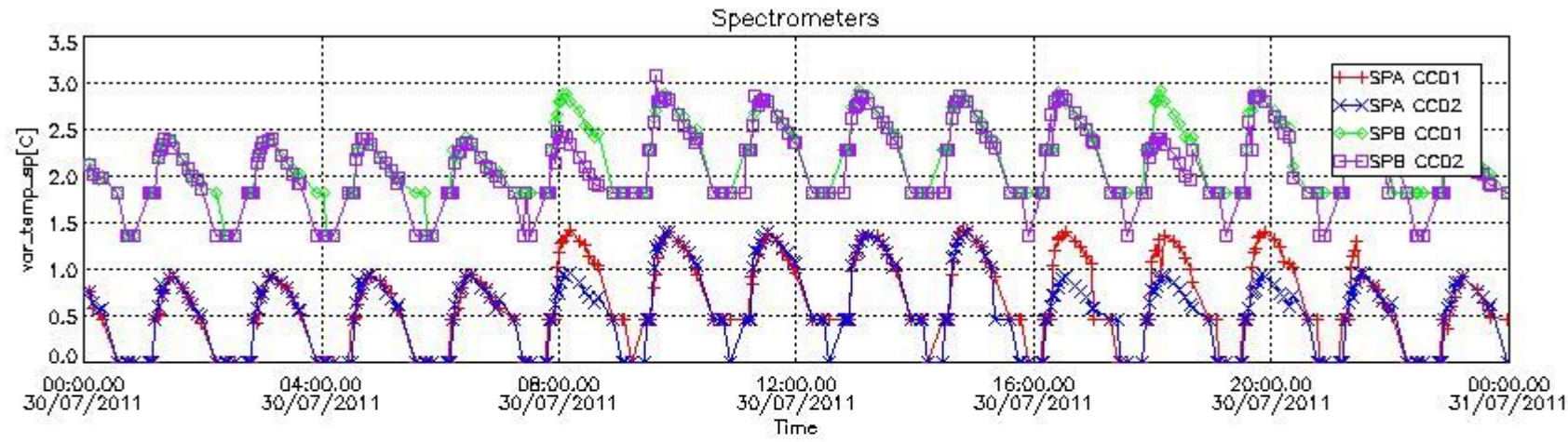
129	GOM_TRA_1PNPDK20110730_111601_000000553105_00080_49232_3118.N1	30-JUL-2011 11:16:01	Twilight	55.000	150	44Zet Per	2.8900	28000.	110	49232	No
130	GOM_TRA_1PNPDK20110730_111820_000000363105_00080_49232_3119.N1	30-JUL-2011 11:18:20	Twilight	35.500	176	23Zet Tau	3.0200	22000.	71	49232	No
131	GOM_TRA_1PNPDK20110730_112047_000000543105_00080_49232_3120.N1	30-JUL-2011 11:20:47	Dark	54.000	13	87Alp Tau	0.86700	3800.0	108	49232	No
132	GOM_TRA_1PNPDK20110730_112248_000000443105_00080_49232_3121.N1	30-JUL-2011 11:22:48	Dark	44.000	27	24Gam Ori	1.6360	26000.	88	49232	No
133	GOM_TRA_1PNPDK20110730_112433_000000443105_00080_49232_3122.N1	30-JUL-2011 11:24:33	Dark	43.500	72	34Del Ori	2.2500	30000.	87	49232	No
134	GOM_TRA_1PNPDK20110730_112710_000000473105_00080_49232_3123.N1	30-JUL-2011 11:27:10	Dark	47.000	7	19Bet Ori	0.10000	14000.	94	49232	No
135	GOM_TRA_1PNPDK20110730_113137_000000523105_00080_49232_3124.N1	30-JUL-2011 11:31:37	Dark	52.000	165	34Gam Eri	2.9500	3200.0	104	49232	No
136	GOM_TRA_1PNPDK20110730_114101_000000463105_00080_49232_3125.N1	30-JUL-2011 11:41:01	Dark	45.500	157	The1Eri	2.9060	9300.0	91	49232	No
137	GOM_TRA_1PNPDK20110730_114633_000000523105_00081_49233_3126.N1	30-JUL-2011 11:46:33	Dark	52.000	9	Alp Eri	0.45300	24000.	104	49233	No
138	GOM_TRA_1PNPDK20110730_115114_000000563105_00081_49233_3127.N1	30-JUL-2011 11:51:14	Straylight	55.500	84	Alp Phe	2.3970	4500.0	111	49233	No
139	GOM_TRA_1PNPDK20110730_115645_000000443105_00081_49233_3128.N1	30-JUL-2011 11:56:45	Straylight	43.500	31	Alp Gru	1.7340	15200.	87	49233	No
140	GOM_TRA_1PNPDK20110730_115953_000000463105_00081_49233_3129.N1	30-JUL-2011 11:59:53	Straylight	46.000	172	Gam Gru	3.0030	13100.	92	49233	No
141	GOM_TRA_1PNPDK20110730_121547_000000383105_00081_49233_3165.N1	30-JUL-2011 12:15:47	Bright	37.500	11	53Alp Aql	0.76500	8000.0	75	49233	No
142	GOM_TRA_1PNPDK20110730_122429_000000443105_00081_49233_3166.N1	30-JUL-2011 12:24:29	Bright	43.500	92	53Eps Cyg	2.5000	4500.0	87	49233	No
143	GOM_TRA_1PNPDK20110730_122621_000000393105_00081_49233_3167.N1	30-JUL-2011 12:26:21	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	49233	No
144	GOM_TRA_1PNPDK20110730_123257_000000423105_00081_49233_3168.N1	30-JUL-2011 12:32:57	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	49233	No
145	GOM_TRA_1PNPDK20110730_124740_000000693105_00081_49233_3169.N1	30-JUL-2011 12:47:40	Bright	69.000	160	23Gam Per	2.9300	4700.0	138	49233	No
146	GOM_TRA_1PNPDK20110730_124918_000000513105_00081_49233_3170.N1	30-JUL-2011 12:49:18	Bright	50.500	35	33Alp Per	1.7950	6250.0	101	49233	No
147	GOM_TRA_1PNPDK20110730_125119_000000473105_00081_49233_3171.N1	30-JUL-2011 12:51:19	Bright	46.500	6	13Alp Aur	0.080000	3400.0	93	49233	No
148	GOM_TRA_1PNPDK20110730_125312_000000443105_00081_49233_3172.N1	30-JUL-2011 12:53:12	Bright	44.000	149	45Eps Per	2.8880	30000.	88	49233	No
149	GOM_TRA_1PNPDK20110730_125615_000000573105_00081_49233_3173.N1	30-JUL-2011 12:56:15	Twilight	56.500	150	44Zet Per	2.8900	28000.	113	49233	No
150	GOM_TRA_1PNPDK20110730_125835_000000403105_00081_49233_3174.N1	30-JUL-2011 12:58:35	Twilight	40.000	176	23Zet Tau	3.0200	22000.	80	49233	No
151	GOM_TRA_1PNPDK20110730_130102_000000553105_00081_49233_3175.N1	30-JUL-2011 13:01:02	Dark	54.500	13	87Alp Tau	0.86700	3800.0	109	49233	No
152	GOM_TRA_1PNPDK20110730_130303_000000443105_00081_49233_3176.N1	30-JUL-2011 13:03:03	Dark	44.000	27	24Gam Ori	1.6360	26000.	88	49233	No
153	GOM_TRA_1PNPDK20110730_130447_000000433105_00081_49233_3177.N1	30-JUL-2011 13:04:47	Dark	42.500	72	34Del Ori	2.2500	30000.	85	49233	No
154	GOM_TRA_1PNPDK20110730_130724_000000483105_00081_49233_3178.N1	30-JUL-2011 13:07:24	Dark	48.000	7	19Bet Ori	0.10000	14000.	96	49233	No
155	GOM_TRA_1PNPDK20110730_131152_000000573105_00081_49233_3179.N1	30-JUL-2011 13:11:52	Dark	56.500	165	34Gam Eri	2.9500	3200.0	113	49233	No
156	GOM_TRA_1PNPDK20110730_132115_000000463105_00081_49233_3180.N1	30-JUL-2011 13:21:15	Dark	46.000	157	The1Eri	2.9060	9300.0	92	49233	No
157	GOM_TRA_1PNPDK20110730_132648_000000513105_00082_49234_3181.N1	30-JUL-2011 13:26:48	Dark	50.500	9	Alp Eri	0.45300	24000.	101	49234	No
158	GOM_TRA_1PNPDK20110730_133129_000000553105_00082_49234_3182.N1	30-JUL-2011 13:31:29	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	49234	No
159	GOM_TRA_1PNPDK20110730_133700_000000443105_00082_49234_3183.N1	30-JUL-2011 13:37:00	Straylight	43.500	31	Alp Gru	1.7340	15200.	87	49234	No
160	GOM_TRA_1PNPDK20110730_134008_000000453105_00082_49234_3184.N1	30-JUL-2011 13:40:08	Straylight	45.000	172	Gam Gru	3.0030	13100.	90	49234	No
161	GOM_TRA_1PNPDK20110730_135601_000000393105_00082_49234_3232.N1	30-JUL-2011 13:56:01	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	49234	No
162	GOM_TRA_1PNPDK20110730_140442_000000463105_00082_49234_3233.N1	30-JUL-2011 14:04:42	Bright	45.500	92	53Eps Cyg	2.5000	4500.0	91	49234	No
163	GOM_TRA_1PNPDK20110730_140635_000000363105_00082_49234_3234.N1	30-JUL-2011 14:06:35	Bright	35.500	144	18Del Cyg	2.8600	11000.	71	49234	No
164	GOM_TRA_1PNPDK20110730_141311_000000413105_00082_49234_3235.N1	30-JUL-2011 14:13:11	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	49234	No
165	GOM_TRA_1PNPDK20110730_142754_000000563105_00082_49234_3236.N1	30-JUL-2011 14:27:54	Bright	56.000	160	23Gam Per	2.9300	4700.0	112	49234	No
166	GOM_TRA_1PNPDK20110730_142932_000000503105_00082_49234_3237.N1	30-JUL-2011 14:29:32	Bright	49.500	35	33Alp Per	1.7950	6250.0	99	49234	No
167	GOM_TRA_1PNPDK20110730_143133_000000403105_00082_49234_3238.N1	30-JUL-2011 14:31:33	Bright	40.000	6	13Alp Aur	0.080000	3400.0	80	49234	No
168	GOM_TRA_1PNPDK20110730_143326_000000673105_00082_49234_3239.N1	30-JUL-2011 14:33:26	Bright	67.000	149	45Eps Per	2.8880	30000.	134	49234	No
169	GOM_TRA_1PNPDK20110730_143630_000000533105_00082_49234_3240.N1	30-JUL-2011 14:36:30	Twilight	52.500	150	44Zet Per	2.8900	28000.	105	49234	No
170	GOM_TRA_1PNPDK20110730_143849_000000423105_00082_49234_3241.N1	30-JUL-2011 14:38:49	Twilight	42.000	176	23Zet Tau	3.0200	22000.	84	49234	No
171	GOM_TRA_1PNPDK20110730_144116_000000553105_00082_49234_3242.N1	30-JUL-2011 14:41:16	Dark	55.000	13	87Alp Tau	0.86700	3800.0	110	49234	No
172	GOM_TRA_1PNPDK20110730_144317_000000453105_00082_49234_3243.N1	30-JUL-2011 14:43:17	Dark	44.500	27	24Gam Ori	1.6360	26000.	89	49234	No
173	GOM_TRA_1PNPDK20110730_144502_000000433105_00082_49234_3244.N1	30-JUL-2011 14:45:02	Dark	42.500	72	34Del Ori	2.2500	30000.	85	49234	No
174	GOM_TRA_1PNPDK20110730_144739_000000463105_00082_49234_3245.N1	30-JUL-2011 14:47:39	Dark	46.000	7	19Bet Ori	0.10000	14000.	92	49234	No
175	GOM_TRA_1PNPDK20110730_145207_000000563105_00082_49234_3246.N1	30-JUL-2011 14:52:07	Dark	56.000	165	34Gam Eri	2.9500	3200.0	112	49234	No
176	GOM_TRA_1PNPDK20110730_150130_000000473105_00082_49234_3247.N1	30-JUL-2011 15:01:30	Dark	46.500	157	The1Eri	2.9060	9300.0	93	49234	No
177	GOM_TRA_1PNPDK20110730_150703_000000523105_00083_49235_3248.N1	30-JUL-2011 15:07:03	Dark	52.000	9	Alp Eri	0.45300	24000.	104	49235	No
178	GOM_TRA_1PNPDK20110730_151144_000000553105_00083_49235_3249.N1	30-JUL-2011 15:11:44	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	49235	No
179	GOM_TRA_1PNPDK20110730_151714_000000433105_00083_49235_3250.N1	30-JUL-2011 15:17:14	Straylight	43.000	31	Alp Gru	1.7340	15200.	86	49235	No
180	GOM_TRA_1PNPDK20110730_152022_000000463105_00083_49235_3251.N1	30-JUL-2011 15:20:22	Straylight	46.000	172	Gam Gru	3.0030	13100.	92	49235	No
181	GOM_TRA_1PNPDK20110730_153615_000000413105_00083_49235_3295.N1	30-JUL-2011 15:36:15	Bright	41.000	11	53Alp Aql	0.76500	8000.0	82	49235	No
182	GOM_TRA_1PNPDK20110730_154456_000000463105_00083_49235_3296.N1	30-JUL-2011 15:44:56	Bright	45.500	92	53Eps Cyg	2.5000	4500.0	91	49235	No
183	GOM_TRA_1PNPDK20110730_154649_000000383105_00083_49235_3297.N1	30-JUL-2011 15:46:49	Bright	37.500	144	18Del Cyg	2.8600	11000.	75	49235	No
184	GOM_TRA_1PNPDK20110730_155324_000000403105_00083_49235_3298.N1	30-JUL-2011 15:53:24	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	49235	No
185	GOM_TRA_1PNPDK20110730_160807_000000693105_00083_49235_3299.N1	30-JUL-2011 16:08:07	Bright	69.000	160	23Gam Per	2.9300	4700.0	138	49235	No
186	GOM_TRA_1PNPDK20110730_160946_000000503105_00083_49235_3300.N1	30-JUL-2011 16:09:46	Bright	50.000	35	33Alp Per	1.7950	6250.0	100	49235	No
187	GOM_TRA_1PNPDK20110730_161147_000000423105_00083_49235_3301.N1	30-JUL-2011 16:11:47	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	49235	No

188	GOM_TRA_1PNPDK20110730_161340_000000423105_00083_49235_3302.N1	30-JUL-2011 16:13:40	Bright	41.500	149	45Eps Per	2.8880	30000.	83	49235	No
189	GOM_TRA_1PNPDK20110730_161644_000000543105_00083_49235_3303.N1	30-JUL-2011 16:16:44	Tw_i_and_stray	53.500	150	44Zet Per	2.8900	28000.	107	49235	No
190	GOM_TRA_1PNPDK20110730_161903_000000413105_00083_49235_3304.N1	30-JUL-2011 16:19:03	Tw_i_and_stray	40.500	176	23Zet Tau	3.0200	22000.	81	49235	No
191	GOM_TRA_1PNPDK20110730_162130_000000573105_00083_49235_3305.N1	30-JUL-2011 16:21:30	Dark	56.500	13	87Alp Tau	0.86700	3800.0	113	49235	No
192	GOM_TRA_1PNPDK20110730_162332_000000453105_00083_49235_3306.N1	30-JUL-2011 16:23:32	Dark	45.000	27	24Gam Ori	1.6360	26000.	90	49235	No
193	GOM_TRA_1PNPDK20110730_162516_000000423105_00083_49235_3307.N1	30-JUL-2011 16:25:16	Dark	42.000	72	34Del Ori	2.2500	30000.	84	49235	No
194	GOM_TRA_1PNPDK20110730_162753_000000473105_00083_49235_3308.N1	30-JUL-2011 16:27:53	Dark	47.000	7	19Bet Ori	0.10000	14000.	94	49235	No
195	GOM_TRA_1PNPDK20110730_163222_000000563105_00083_49235_3309.N1	30-JUL-2011 16:32:22	Dark	55.500	165	34Gam Eri	2.9500	3200.0	111	49235	No
196	GOM_TRA_1PNPDK20110730_164145_000000463105_00083_49235_3310.N1	30-JUL-2011 16:41:45	Dark	46.000	157	The1Eri	2.9060	9300.0	92	49235	No
197	GOM_TRA_1PNPDK20110730_164718_000000463105_00084_49236_3311.N1	30-JUL-2011 16:47:18	Dark	46.000	9	Alp Eri	0.45300	24000.	92	49236	No
198	GOM_TRA_1PNPDK20110730_165159_000000553105_00084_49236_3312.N1	30-JUL-2011 16:51:59	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	49236	No
199	GOM_TRA_1PNPDK20110730_165729_000000443105_00084_49236_3313.N1	30-JUL-2011 16:57:29	Straylight	43.500	31	Alp Gru	1.7340	15200.	87	49236	No
200	GOM_TRA_1PNPDK20110730_170037_000000453105_00084_49236_3314.N1	30-JUL-2011 17:00:37	Straylight	44.500	172	Gam Gru	3.0030	13100.	89	49236	No
201	GOM_TRA_1PNPDK20110730_171629_000000403105_00084_49236_3349.N1	30-JUL-2011 17:16:29	Bright	39.500	11	53Alp Aql	0.76500	8000.0	79	49236	No
202	GOM_TRA_1PNPDK20110730_172509_000000463105_00084_49236_3350.N1	30-JUL-2011 17:25:09	Bright	46.000	92	53Eps Cyg	2.5000	4500.0	92	49236	No
203	GOM_TRA_1PNPDK20110730_172703_000000373105_00084_49236_3351.N1	30-JUL-2011 17:27:03	Bright	36.500	144	18Del Cyg	2.8600	11000.	73	49236	No
204	GOM_TRA_1PNPDK20110730_173338_000000413105_00084_49236_3352.N1	30-JUL-2011 17:33:38	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	49236	No
205	GOM_TRA_1PNPDK20110730_174821_000000583105_00084_49236_3353.N1	30-JUL-2011 17:48:21	Bright	58.000	160	23Gam Per	2.9300	4700.0	116	49236	No
206	GOM_TRA_1PNPDK20110730_175000_000000693105_00084_49236_3354.N1	30-JUL-2011 17:50:00	Bright	69.000	35	33Alp Per	1.7950	6250.0	138	49236	No
207	GOM_TRA_1PNPDK20110730_175201_000000413105_00084_49236_3355.N1	30-JUL-2011 17:52:01	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	49236	No
208	GOM_TRA_1PNPDK20110730_175354_000000513105_00084_49236_3356.N1	30-JUL-2011 17:53:54	Bright	50.500	149	45Eps Per	2.8880	30000.	101	49236	No
209	GOM_TRA_1PNPDK20110730_175658_000000503105_00084_49236_3357.N1	30-JUL-2011 17:56:58	Tw_i_and_stray	50.000	150	44Zet Per	2.8900	28000.	100	49236	No
210	GOM_TRA_1PNPDK20110730_175917_000000413105_00084_49236_3358.N1	30-JUL-2011 17:59:17	Tw_i_and_stray	41.000	176	23Zet Tau	3.0200	22000.	82	49236	No
211	GOM_TRA_1PNPDK20110730_180145_000000573105_00084_49236_3359.N1	30-JUL-2011 18:01:45	Dark	57.000	13	87Alp Tau	0.86700	3800.0	114	49236	No
212	GOM_TRA_1PNPDK20110730_180346_000000453105_00084_49236_3360.N1	30-JUL-2011 18:03:46	Dark	44.500	27	24Gam Ori	1.6360	26000.	89	49236	No
213	GOM_TRA_1PNPDK20110730_180531_000000433105_00084_49236_3361.N1	30-JUL-2011 18:05:31	Dark	43.000	72	34Del Ori	2.2500	30000.	86	49236	No
214	GOM_TRA_1PNPDK20110730_180807_000000473105_00084_49236_3362.N1	30-JUL-2011 18:08:07	Dark	46.500	7	19Bet Ori	0.10000	14000.	93	49236	No
215	GOM_TRA_1PNPDK20110730_181237_000000533105_00084_49236_3363.N1	30-JUL-2011 18:12:37	Dark	53.000	165	34Gam Eri	2.9500	3200.0	106	49236	No
216	GOM_TRA_1PNPDK20110730_182200_000000453105_00084_49236_3364.N1	30-JUL-2011 18:22:00	Dark	45.000	157	The1Eri	2.9060	9300.0	90	49236	No
217	GOM_TRA_1PNPDK20110730_182732_000000443105_00085_49237_3365.N1	30-JUL-2011 18:27:32	Dark	43.500	9	Alp Eri	0.45300	24000.	87	49237	No
218	GOM_TRA_1PNPDK20110730_183214_000000543105_00085_49237_3366.N1	30-JUL-2011 18:32:14	Straylight	53.500	84	Alp Phe	2.3970	4500.0	107	49237	No
219	GOM_TRA_1PNPDK20110730_183744_000000433105_00085_49237_3367.N1	30-JUL-2011 18:37:44	Straylight	43.000	31	Alp Gru	1.7340	15200.	86	49237	No
220	GOM_TRA_1PNPDK20110730_184052_000000453105_00085_49237_3400.N1	30-JUL-2011 18:40:52	Straylight	45.000	172	Gam Gru	3.0030	13100.	90	49237	No
221	GOM_TRA_1PNPDK20110730_185643_000000383105_00085_49237_3401.N1	30-JUL-2011 18:56:43	Bright	38.000	11	53Alp Aql	0.76500	8000.0	76	49237	No
222	GOM_TRA_1PNPDK20110730_190523_000000433105_00085_49237_3402.N1	30-JUL-2011 19:05:23	Bright	42.500	92	53Eps Cyg	2.5000	4500.0	85	49237	No
223	GOM_TRA_1PNPDK20110730_190716_000000383105_00085_49237_3403.N1	30-JUL-2011 19:07:16	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	49237	No
224	GOM_TRA_1PNPDK20110730_191352_000000403105_00085_49237_3404.N1	30-JUL-2011 19:13:52	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	49237	No
225	GOM_TRA_1PNPDK20110730_192835_000000593105_00085_49237_3405.N1	30-JUL-2011 19:28:35	Bright	58.500	160	23Gam Per	2.9300	4700.0	117	49237	No
226	GOM_TRA_1PNPDK20110730_193013_000000503105_00085_49237_3406.N1	30-JUL-2011 19:30:13	Bright	49.500	35	33Alp Per	1.7950	6250.0	99	49237	No
227	GOM_TRA_1PNPDK20110730_193215_000000433105_00085_49237_3407.N1	30-JUL-2011 19:32:15	Bright	43.000	6	13Alp Aur	0.080000	3400.0	86	49237	No
228	GOM_TRA_1PNPDK20110730_193409_000000433105_00085_49237_3408.N1	30-JUL-2011 19:34:09	Bright	43.000	149	45Eps Per	2.8880	30000.	86	49237	No
229	GOM_TRA_1PNPDK20110730_193712_000000503105_00085_49237_3409.N1	30-JUL-2011 19:37:12	Tw_i_and_stray	50.000	150	44Zet Per	2.8900	28000.	100	49237	No
230	GOM_TRA_1PNPDK20110730_193931_000000413105_00085_49237_3410.N1	30-JUL-2011 19:39:31	Tw_i_and_stray	41.000	176	23Zet Tau	3.0200	22000.	82	49237	No
231	GOM_TRA_1PNPDK20110730_194159_000000543105_00085_49237_3411.N1	30-JUL-2011 19:41:59	Dark	53.500	13	87Alp Tau	0.86700	3800.0	107	49237	No
232	GOM_TRA_1PNPDK20110730_194400_000000403105_00085_49237_3412.N1	30-JUL-2011 19:44:00	Dark	39.500	27	24Gam Ori	1.6360	26000.	79	49237	No
233	GOM_TRA_1PNPDK20110730_194545_000000403105_00085_49237_3413.N1	30-JUL-2011 19:45:45	Dark	39.500	72	34Del Ori	2.2500	30000.	79	49237	No
234	GOM_TRA_1PNPDK20110730_194822_000000463105_00085_49237_3414.N1	30-JUL-2011 19:48:22	Dark	45.500	7	19Bet Ori	0.10000	14000.	91	49237	No
235	GOM_TRA_1PNPDK20110730_195252_000000503105_00085_49237_3415.N1	30-JUL-2011 19:52:52	Dark	50.000	165	34Gam Eri	2.9500	3200.0	100	49237	No
236	GOM_TRA_1PNPDK20110730_200215_000000453105_00085_49237_3416.N1	30-JUL-2011 20:02:15	Dark	44.500	157	The1Eri	2.9060	9300.0	89	49237	No
237	GOM_TRA_1PNPDK20110730_200747_000000553105_00086_49238_3417.N1	30-JUL-2011 20:07:47	Dark	54.500	9	Alp Eri	0.45300	24000.	109	49238	No
238	GOM_TRA_1PNPDK20110730_201229_000000533105_00086_49238_3418.N1	30-JUL-2011 20:12:29	Straylight	53.000	84	Alp Phe	2.3970	4500.0	106	49238	No
239	GOM_TRA_1PNPDK20110730_201758_000000433105_00086_49238_3419.N1	30-JUL-2011 20:17:58	Straylight	43.000	31	Alp Gru	1.7340	15200.	86	49238	No
240	GOM_TRA_1PNPDE20110730_202106_000000443105_00086_49238_9384.N1	30-JUL-2011 20:21:06	Straylight	43.500	172	Gam Gru	3.0030	13100.	87	49238	No
241	GOM_TRA_1PNPDE20110730_203657_000000383105_00086_49238_9385.N1	30-JUL-2011 20:36:57	Bright	38.000	11	53Alp Aql	0.76500	8000.0	76	49238	No
242	GOM_TRA_1PNPDE20110730_204536_000000463105_00086_49238_9386.N1	30-JUL-2011 20:45:36	Bright	45.500	92	53Eps Cyg	2.5000	4500.0	91	49238	No
243	GOM_TRA_1PNPDE20110730_204730_000000373105_00086_49238_9387.N1	30-JUL-2011 20:47:30	Bright	37.000	144	18Del Cyg	2.8600	11000.	74	49238	No
244	GOM_TRA_1PNPDE20110730_205405_000000423105_00086_49238_9388.N1	30-JUL-2011 20:54:05	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	49238	No
245	GOM_TRA_1PNPDE20110730_210848_000000443105_00086_49238_9389.N1	30-JUL-2011 21:08:48	Bright	44.000	160	23Gam Per	2.9300	4700.0	88	49238	No
246	GOM_TRA_1PNPDE20110730_211027_000000513105_00086_49238_9390.N1	30-JUL-2011 21:10:27	Bright	50.500	35	33Alp Per	1.7950	6250.0	101	49238	No



247	GOM_TRA_1PNPDE20110730_211229_000000423105_00086_49238_9391.N1	30-JUL-2011 21:12:29	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	49238	No
248	GOM_TRA_1PNPDE20110730_211422_000000443105_00086_49238_9392.N1	30-JUL-2011 21:14:22	Bright	44.000	149	45Eps Per	2.8880	30000.	88	49238	No
249	GOM_TRA_1PNPDE20110730_211726_000000423105_00086_49238_9393.N1	30-JUL-2011 21:17:26	Twilight	42.000	150	44Zet Per	2.8900	28000.	84	49238	No
250	GOM_TRA_1PNPDE20110730_211946_000000403105_00086_49238_9394.N1	30-JUL-2011 21:19:46	Twilight	40.000	176	23Zet Tau	3.0200	22000.	80	49238	No
251	GOM_TRA_1PNPDE20110730_212214_000000533105_00086_49238_9395.N1	30-JUL-2011 21:22:14	Dark	53.000	13	87Alp Tau	0.86700	3800.0	106	49238	No
252	GOM_TRA_1PNPDE20110730_212414_000000423105_00086_49238_9396.N1	30-JUL-2011 21:24:14	Dark	41.500	27	24Gam Ori	1.6360	26000.	83	49238	No
253	GOM_TRA_1PNPDE20110730_212559_000000383105_00086_49238_9397.N1	30-JUL-2011 21:25:59	Dark	38.000	72	34Del Ori	2.2500	30000.	76	49238	No
254	GOM_TRA_1PNPDE20110730_212836_000000433105_00086_49238_9405.N1	30-JUL-2011 21:28:36	Dark	42.500	7	19Bet Ori	0.10000	14000.	85	49238	Yes
255	GOM_TRA_1PNPDE20110730_213307_000000583105_00086_49238_9406.N1	30-JUL-2011 21:33:07	Dark	57.500	165	34Gam Eri	2.9500	3200.0	115	49238	No
256	GOM_TRA_1PNPDE20110730_214230_000000463105_00086_49238_9407.N1	30-JUL-2011 21:42:30	Dark	46.000	157	The1Eri	2.9060	9300.0	92	49238	No
257	GOM_TRA_1PNPDE20110730_214802_000000503105_00087_49239_9408.N1	30-JUL-2011 21:48:02	Dark	50.000	9	Alp Eri	0.45300	24000.	100	49239	No
258	GOM_TRA_1PNPDE20110730_215244_000000553105_00087_49239_9409.N1	30-JUL-2011 21:52:44	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	49239	No
259	GOM_TRA_1PNPDE20110730_215812_000000443105_00087_49239_9410.N1	30-JUL-2011 21:58:12	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	49239	No
260	GOM_TRA_1PNPDE20110730_220120_000000463105_00087_49239_9411.N1	30-JUL-2011 22:01:20	Straylight	46.000	172	Gam Gru	3.0030	13100.	92	49239	No
261	GOM_TRA_1PNPDE20110730_221711_000000393105_00087_49239_9412.N1	30-JUL-2011 22:17:11	Bright	39.000	11	53Alp Aql	0.76500	8000.0	78	49239	No
262	GOM_TRA_1PNPDE20110730_222550_000000433105_00087_49239_9413.N1	30-JUL-2011 22:25:50	Bright	43.000	92	53Eps Cyg	2.5000	4500.0	86	49239	No
263	GOM_TRA_1PNPDE20110730_222744_000000393105_00087_49239_9414.N1	30-JUL-2011 22:27:44	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	49239	No
264	GOM_TRA_1PNPDE20110730_223419_000000413105_00087_49239_9415.N1	30-JUL-2011 22:34:19	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	49239	No
265	GOM_TRA_1PNPDE20110730_224902_000000493105_00087_49239_9416.N1	30-JUL-2011 22:49:02	Bright	48.500	160	23Gam Per	2.9300	4700.0	97	49239	No
266	GOM_TRA_1PNPDE20110730_225041_000000503105_00087_49239_9417.N1	30-JUL-2011 22:50:41	Bright	49.500	35	33Alp Per	1.7950	6250.0	99	49239	No
267	GOM_TRA_1PNPDE20110730_225243_000000433105_00087_49239_9418.N1	30-JUL-2011 22:52:43	Bright	42.500	6	13Alp Aur	0.080000	3400.0	85	49239	No
268	GOM_TRA_1PNPDE20110730_225436_000000453105_00087_49239_9419.N1	30-JUL-2011 22:54:36	Bright	44.500	149	45Eps Per	2.8880	30000.	89	49239	No
269	GOM_TRA_1PNPDE20110730_225740_000000423105_00087_49239_9420.N1	30-JUL-2011 22:57:40	Twilight	42.000	150	44Zet Per	2.8900	28000.	84	49239	No
270	GOM_TRA_1PNPDE20110730_230000_000000433105_00087_49239_9421.N1	30-JUL-2011 23:00:00	Twilight	43.000	176	23Zet Tau	3.0200	22000.	86	49239	No
271	GOM_TRA_1PNPDE20110730_230228_000000523105_00087_49239_9422.N1	30-JUL-2011 23:02:28	Dark	52.000	13	87Alp Tau	0.86700	3800.0	104	49239	No
272	GOM_TRA_1PNPDE20110730_230429_000000393105_00087_49239_9423.N1	30-JUL-2011 23:04:29	Dark	39.000	27	24Gam Ori	1.6360	26000.	78	49239	No
273	GOM_TRA_1PNPDE20110730_230614_000000393105_00087_49239_9424.N1	30-JUL-2011 23:06:14	Dark	38.500	72	34Del Ori	2.2500	30000.	77	49239	No
274	GOM_TRA_1PNPDE20110730_230851_000000423105_00087_49239_9425.N1	30-JUL-2011 23:08:51	Dark	42.000	7	19Bet Ori	0.10000	14000.	84	49239	No
275	GOM_TRA_1PNPDE20110730_231321_000000563105_00087_49239_9430.N1	30-JUL-2011 23:13:21	Dark	56.000	165	34Gam Eri	2.9500	3200.0	112	49239	No
276	GOM_TRA_1PNPDE20110730_232816_000000433105_00088_49240_9431.N1	30-JUL-2011 23:28:16	Dark	43.000	9	Alp Eri	0.45300	24000.	86	49240	No
277	GOM_TRA_1PNPDE20110730_233259_000000543105_00088_49240_9432.N1	30-JUL-2011 23:32:59	Straylight	54.000	84	Alp Phe	2.3970	4500.0	108	49240	No
278	GOM_TRA_1PNPDE20110730_233827_000000493105_00088_49240_9433.N1	30-JUL-2011 23:38:27	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	49240	No
279	GOM_TRA_1PNPDE20110730_234135_000000463105_00088_49240_9434.N1	30-JUL-2011 23:41:35	Straylight	46.000	172	Gam Gru	3.0030	13100.	92	49240	No
280	GOM_TRA_1PNPDE20110730_235724_000000393105_00088_49240_9435.N1	30-JUL-2011 23:57:24	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	49240	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).

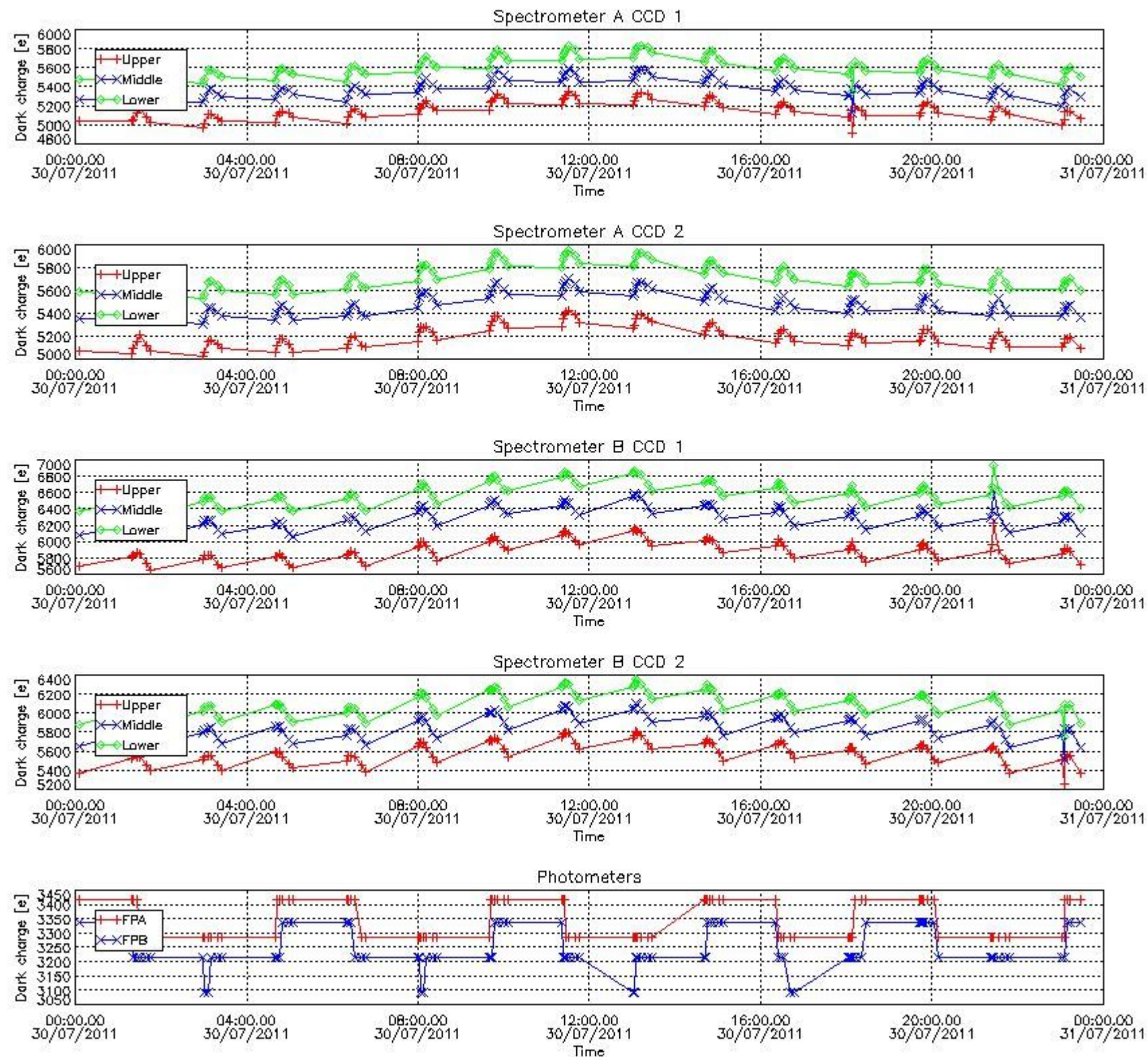
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110730_202106_000000443105_00086_49238_9384.N1	DC map used
GOM_TRA_1PNPDE20110730_203657_000000383105_00086_49238_9385.N1	DC map used
GOM_TRA_1PNPDE20110730_204536_000000463105_00086_49238_9386.N1	DC map used
GOM_TRA_1PNPDE20110730_204730_000000373105_00086_49238_9387.N1	DC map used
GOM_TRA_1PNPDE20110730_205405_000000423105_00086_49238_9388.N1	DC map used
GOM_TRA_1PNPDE20110730_210848_000000443105_00086_49238_9389.N1	DC map used
GOM_TRA_1PNPDE20110730_211027_000000513105_00086_49238_9390.N1	DC map used
GOM_TRA_1PNPDE20110730_211229_000000423105_00086_49238_9391.N1	DC map used
GOM_TRA_1PNPDE20110730_211422_000000443105_00086_49238_9392.N1	DC map used
GOM_TRA_1PNPDE20110730_211726_000000423105_00086_49238_9393.N1	DC map used
GOM_TRA_1PNPDE20110730_211946_000000403105_00086_49238_9394.N1	DC map used
GOM_TRA_1PNPDE20110730_212214_000000533105_00086_49238_9395.N1	DC map used
GOM_TRA_1PNPDE20110730_212414_000000423105_00086_49238_9396.N1	DC map used
GOM_TRA_1PNPDE20110730_212559_000000383105_00086_49238_9397.N1	DC map used



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



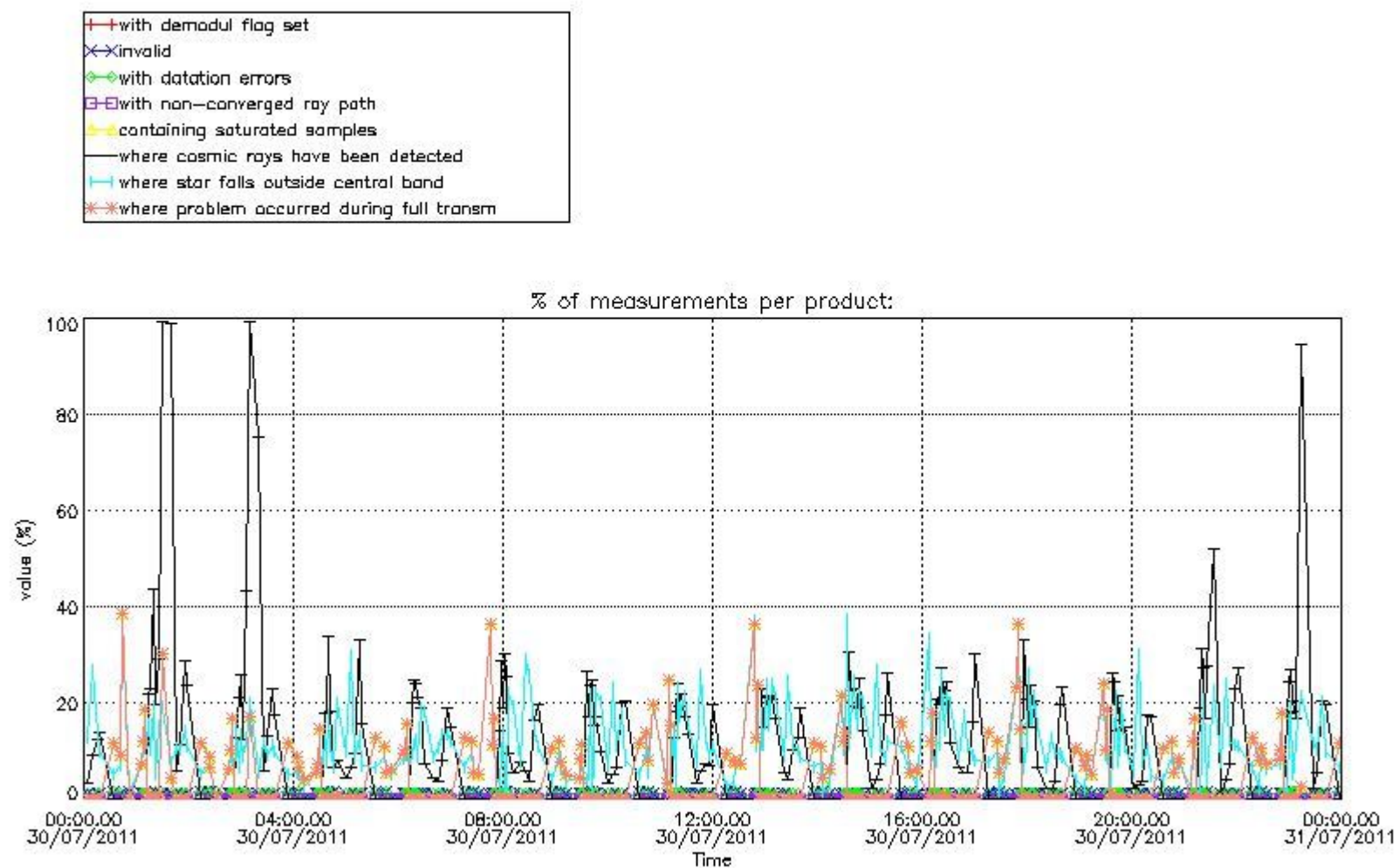
#### 5. Demodulation flag and quality information monitoring

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:

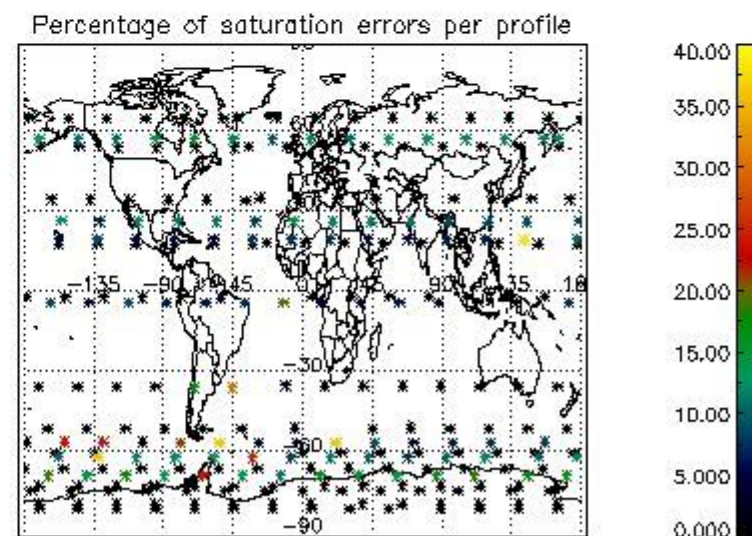
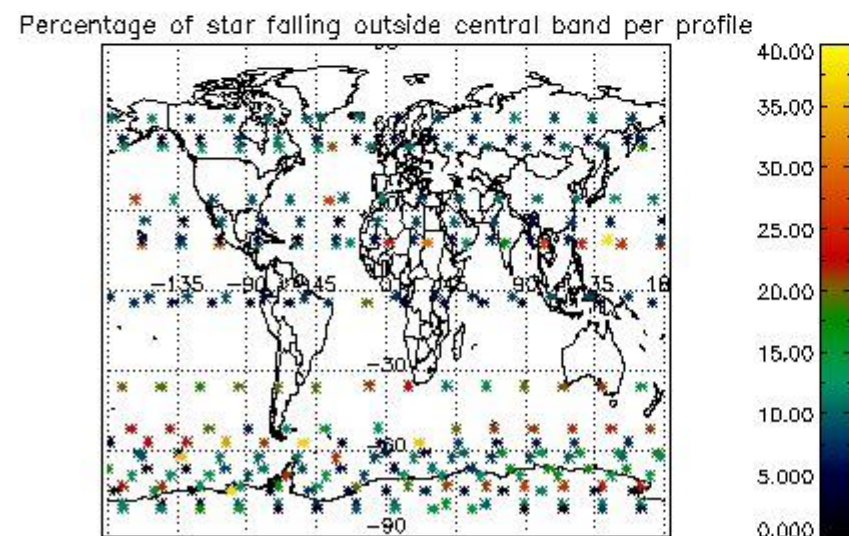
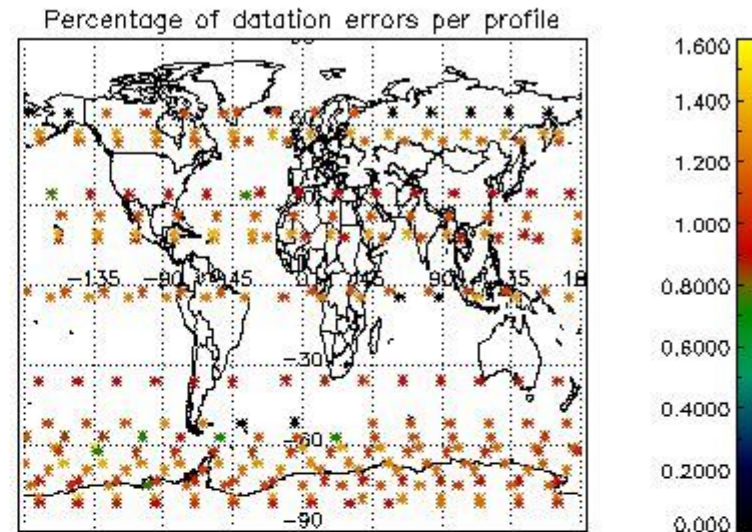
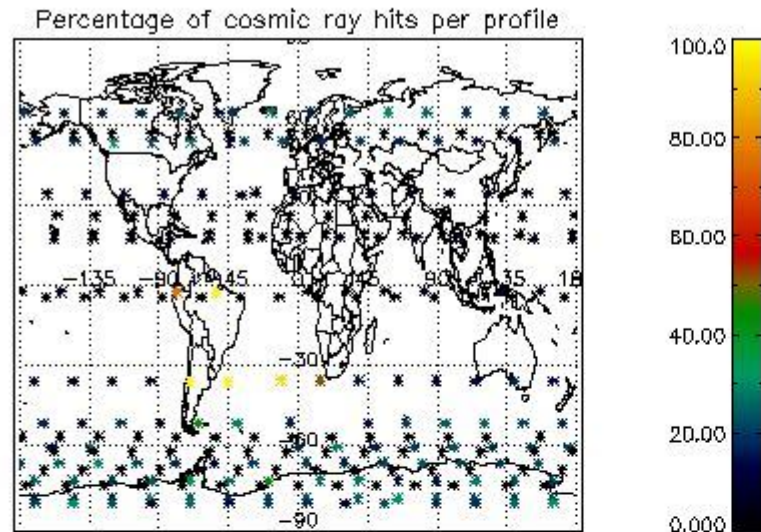
At least one measurement with demodulation flag set:	55.9140 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	40.5018 %

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)

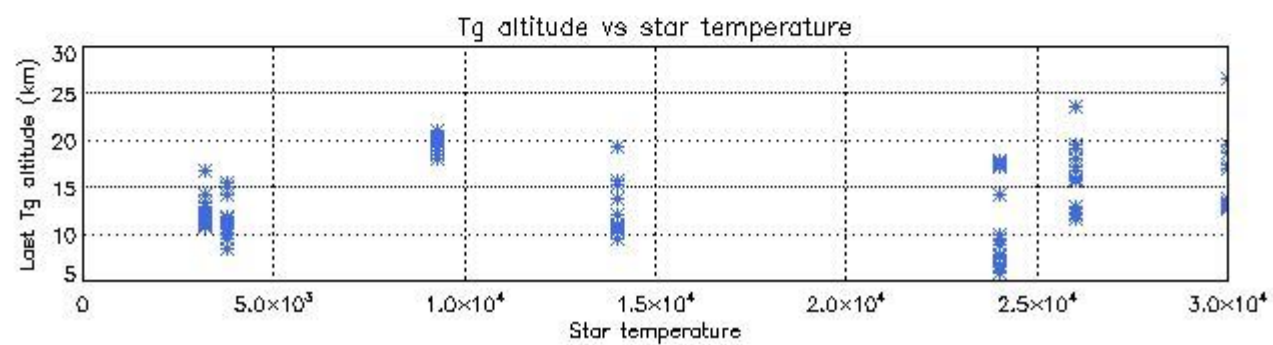
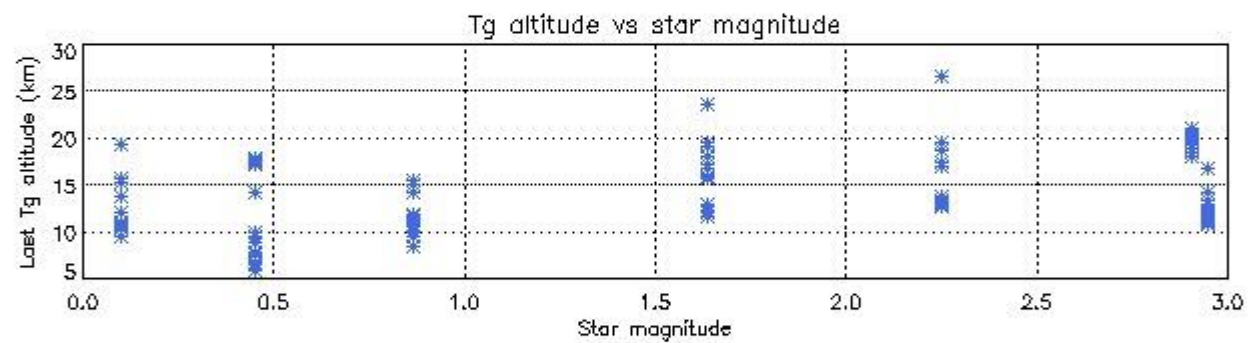
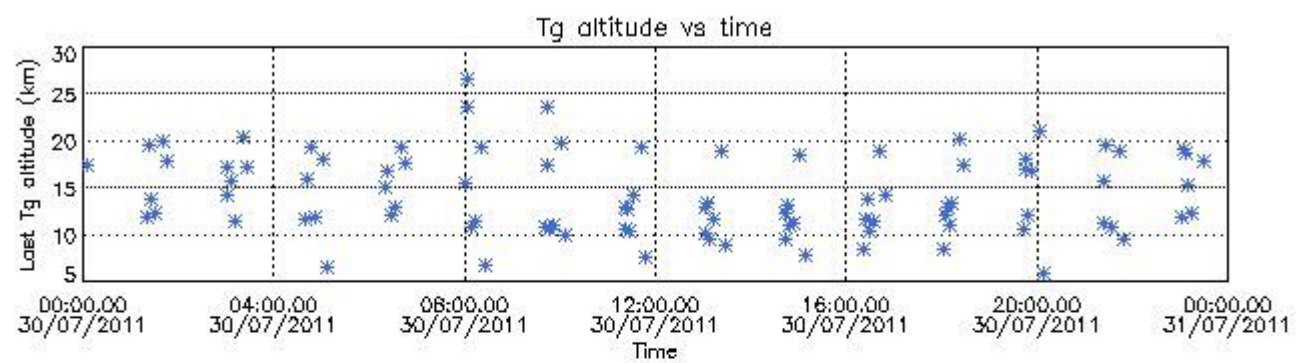
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.247	19.224	NaN
St. deviation:	4.2603	5.2509	NaN
Maximum:	26.568	30.434	NaN
Minimum:	5.9239	3.1120	NaN
Number of data:	93.000	113.00	NaN

### 6.2 Plot for DARK limb products

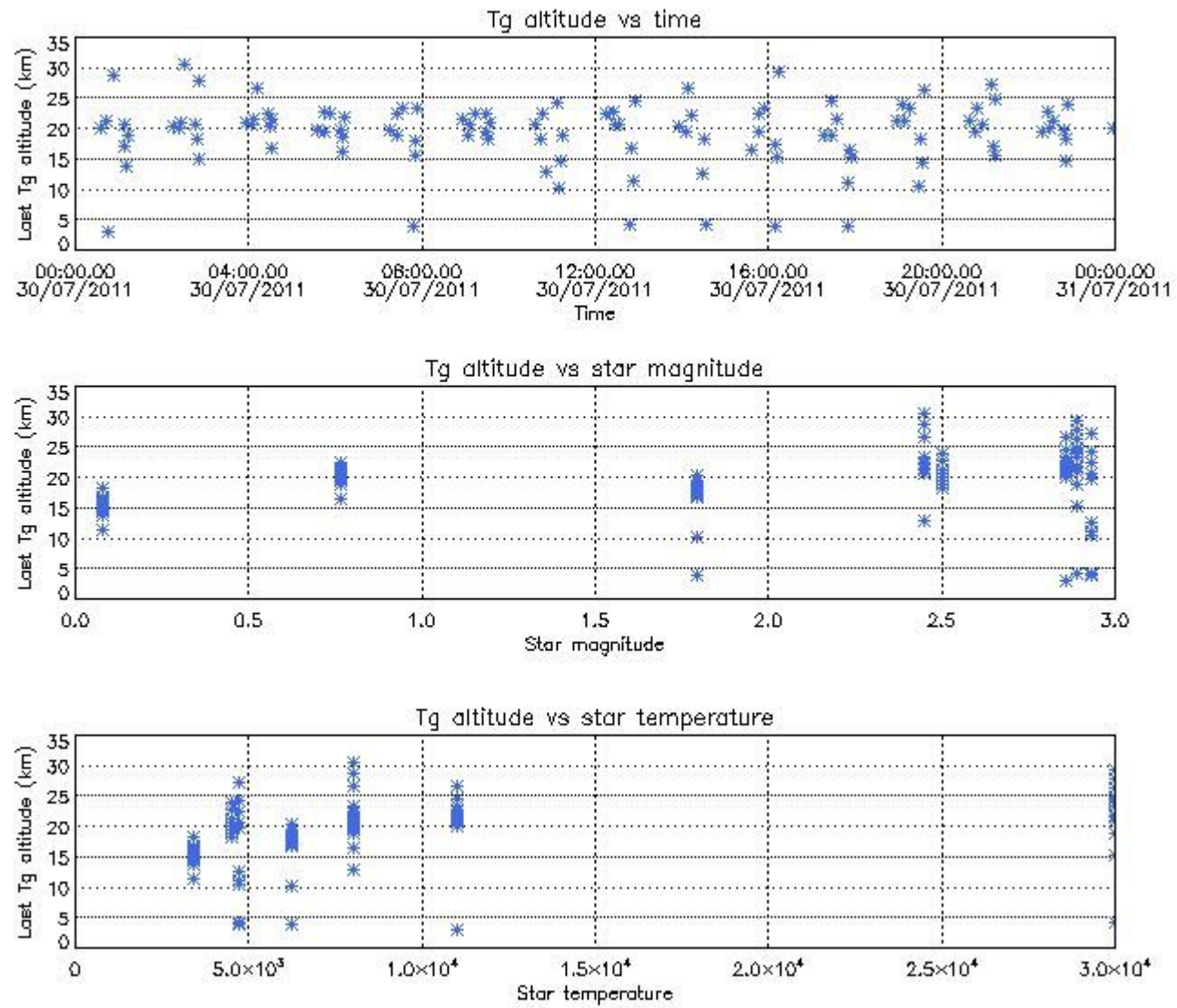


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

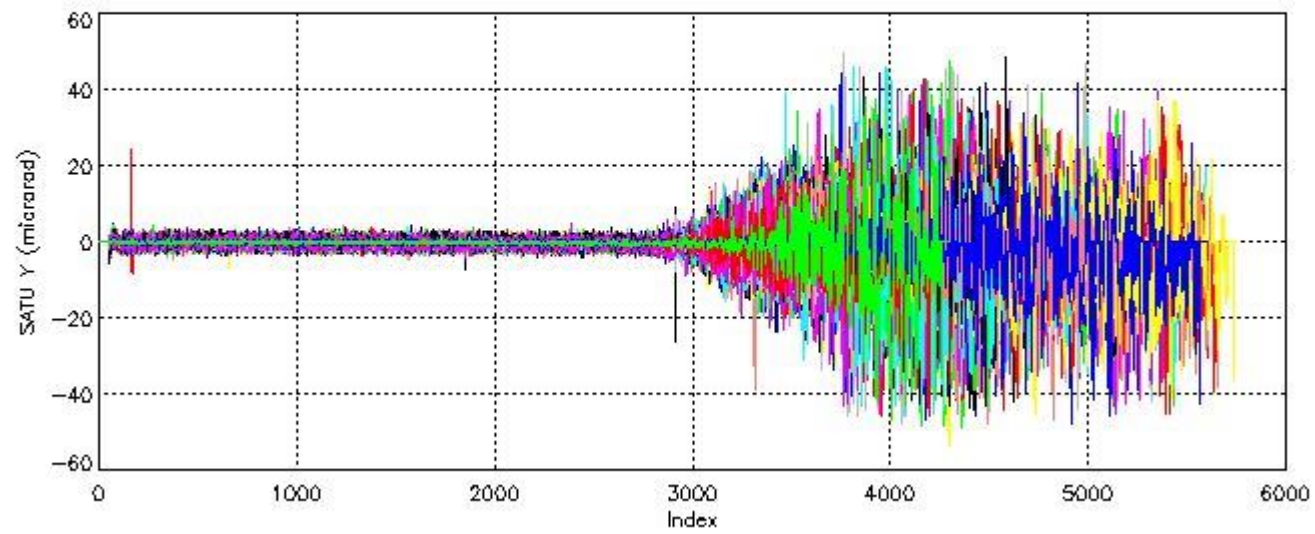
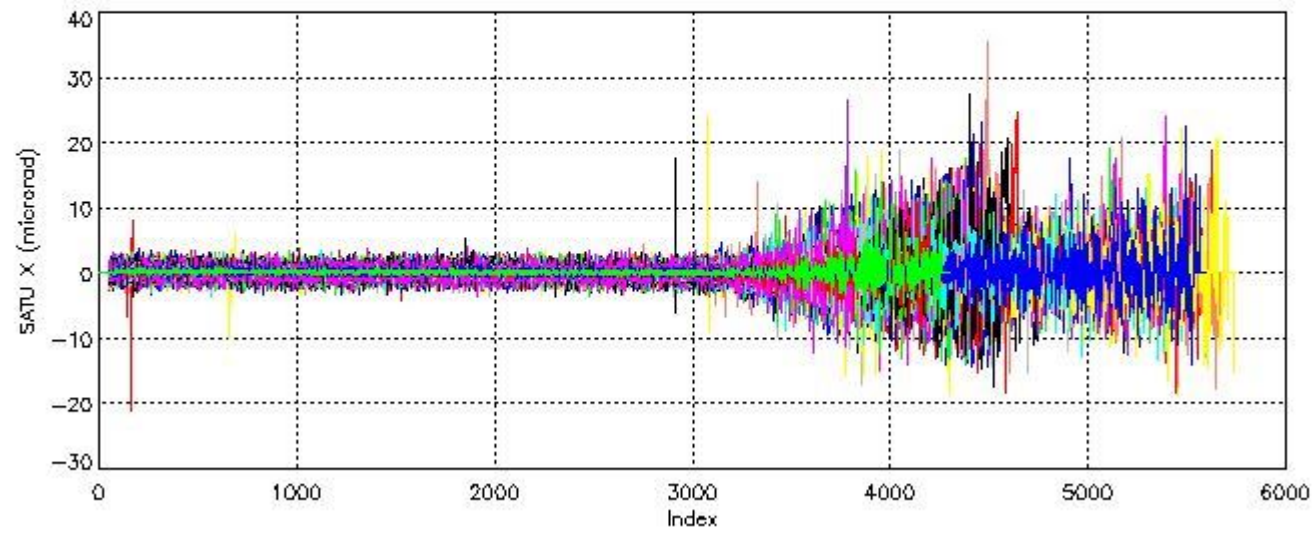


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.14059	-0.24355	0.18218	-0.24187
St. deviation:	0.44377	0.51165	0.76327	0.85200
Maximum:	8.2000	24.300	6.0000	6.3000
Minimum:	-21.200	-8.4000	-5.8000	-8.5000



Number of data:	92500.	92500.	1.1435E+05	1.1435E+05
90Percentile:	0.70000	0.40000	1.2000	0.80000

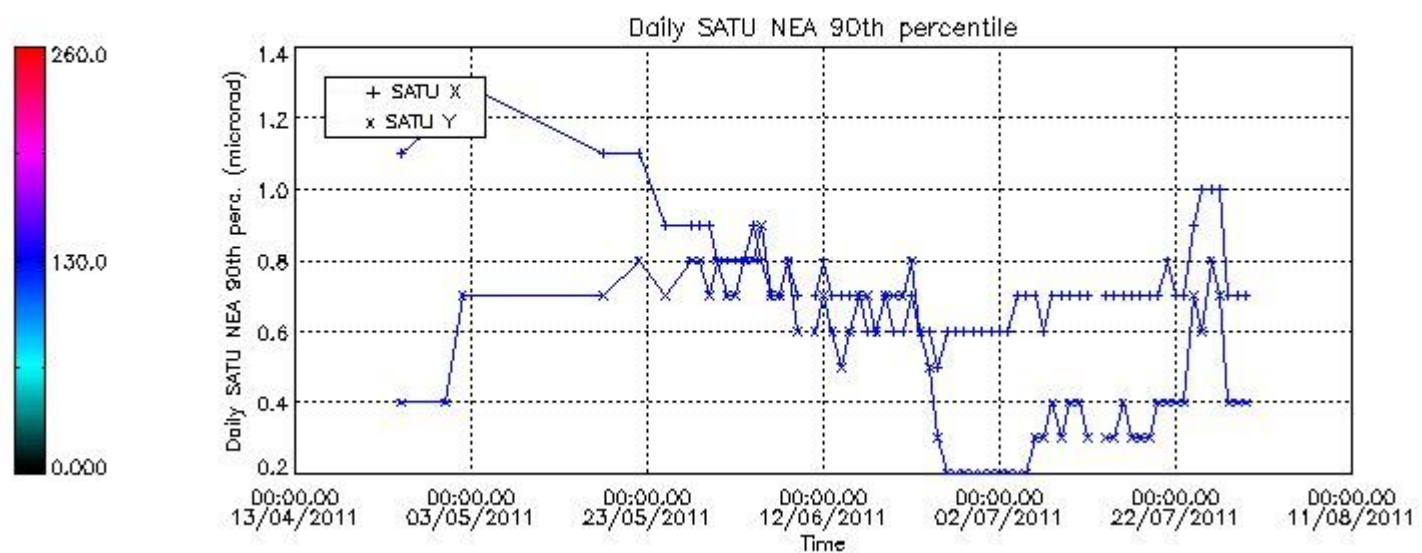
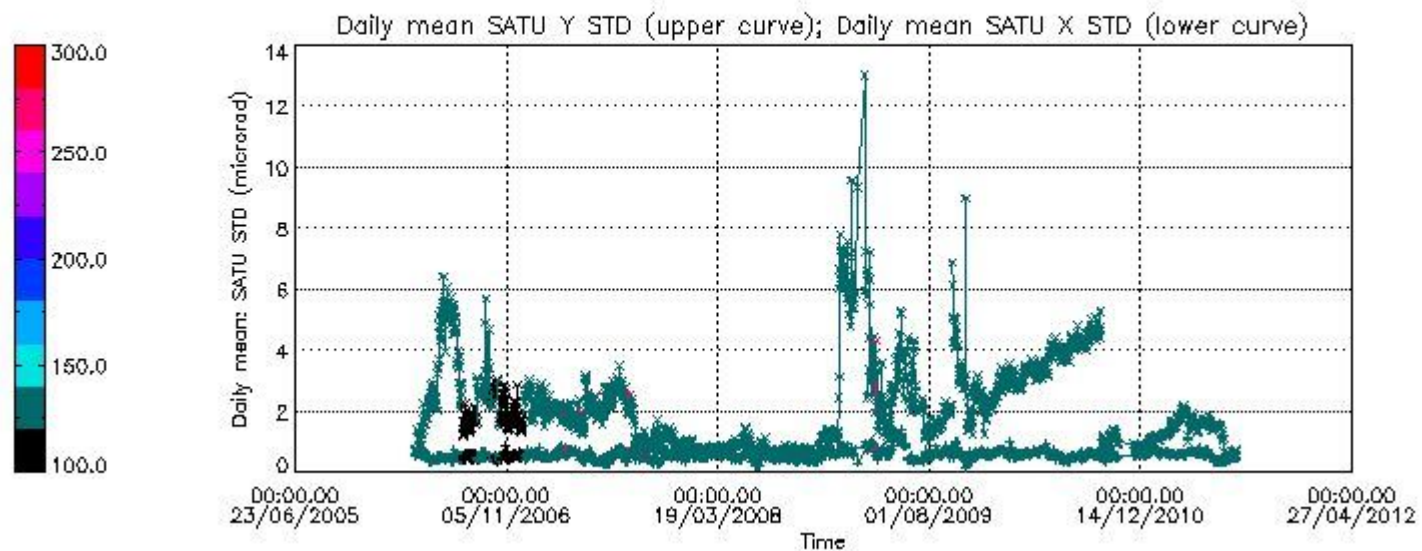
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

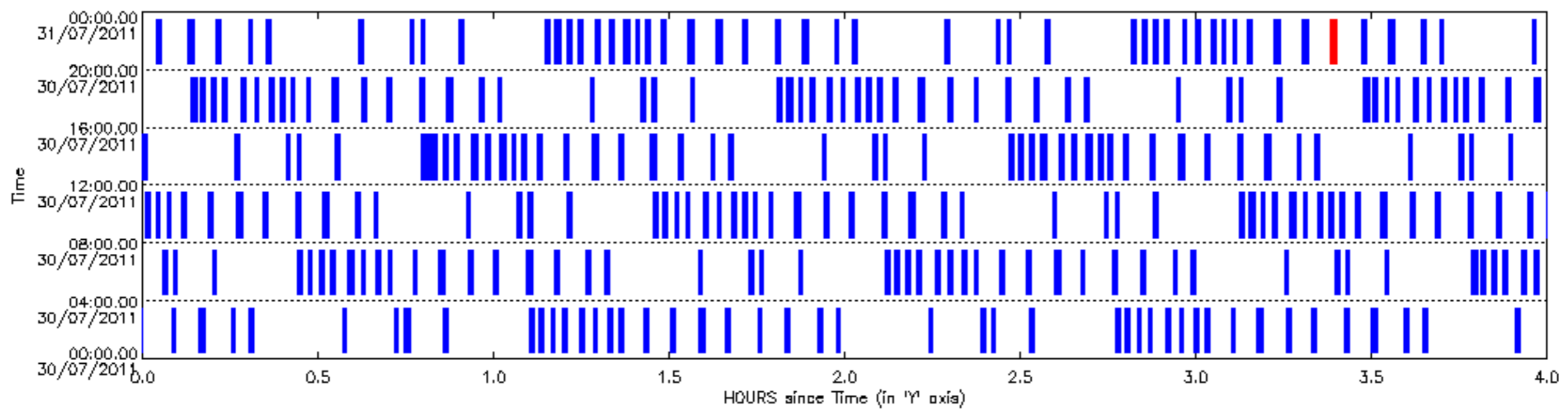
Lower curve: STD of SATU X axis



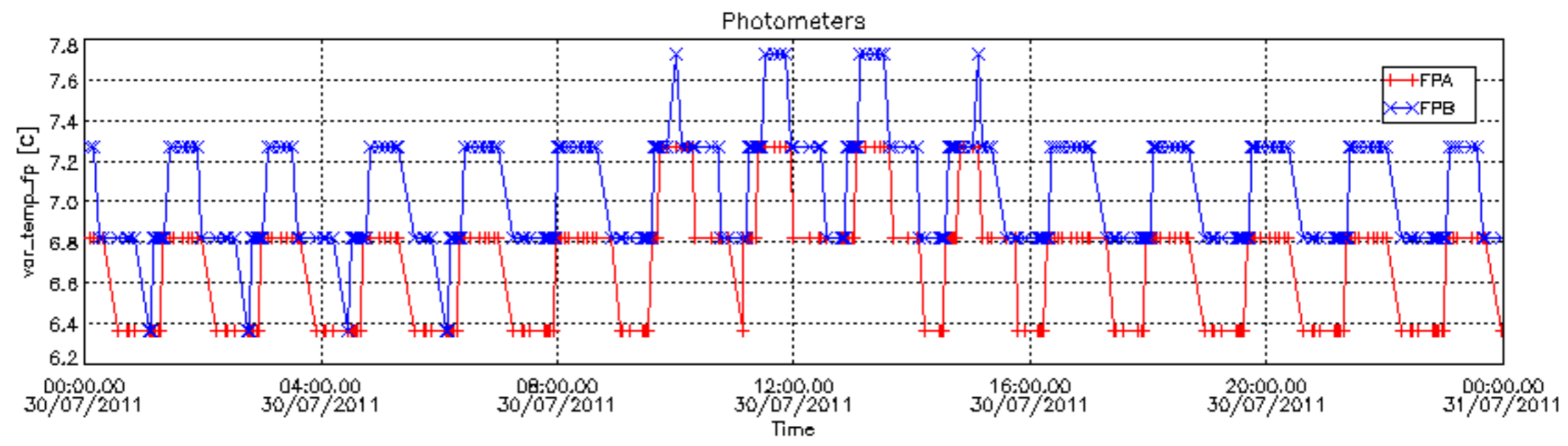
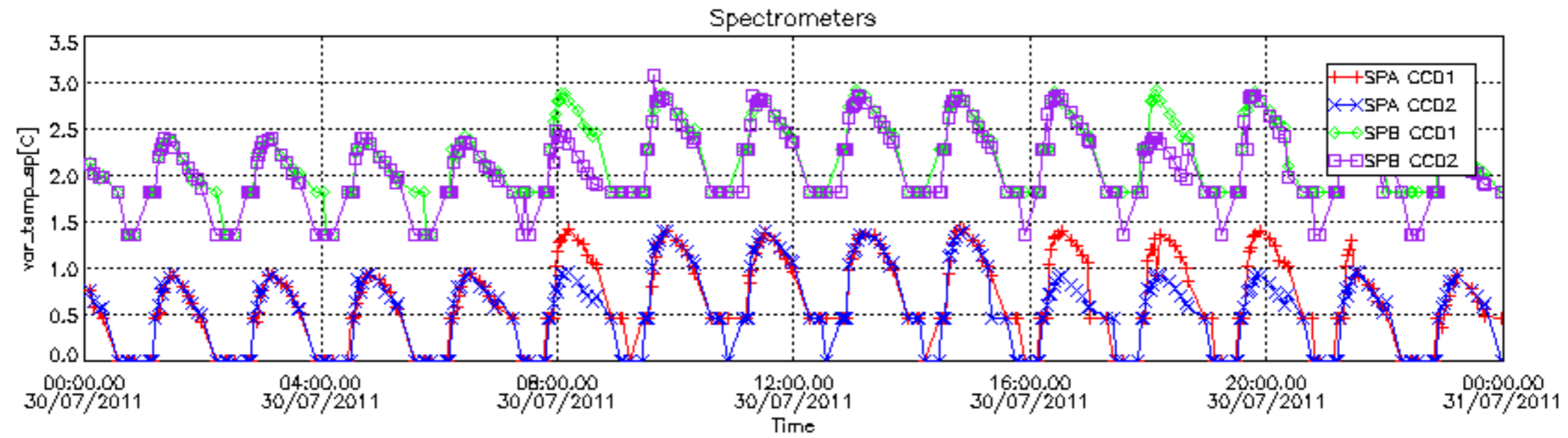
### 8. Auxiliary Data Files used for the production reported in section 2.4

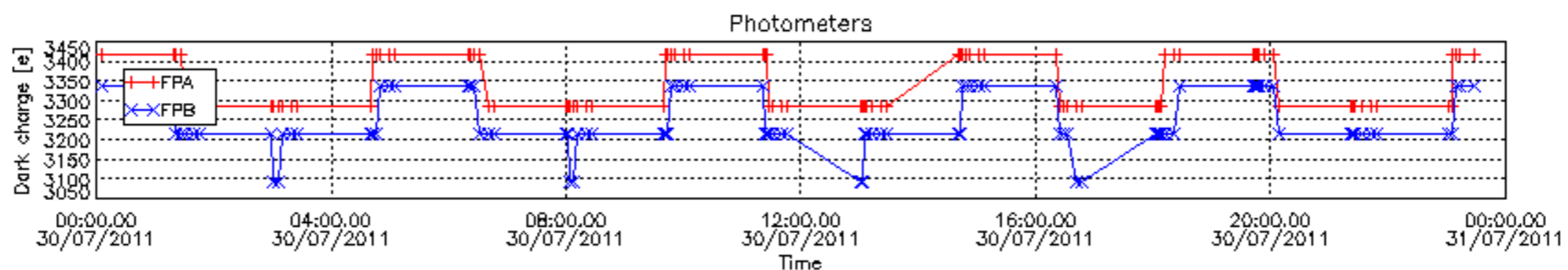
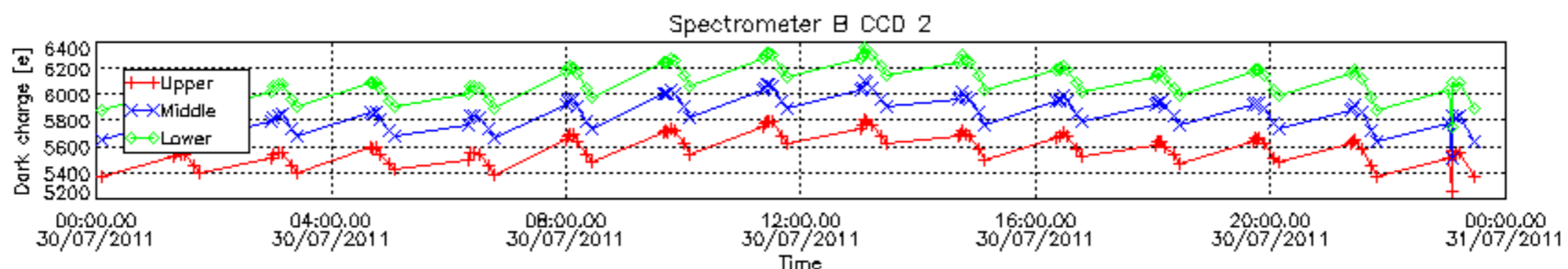
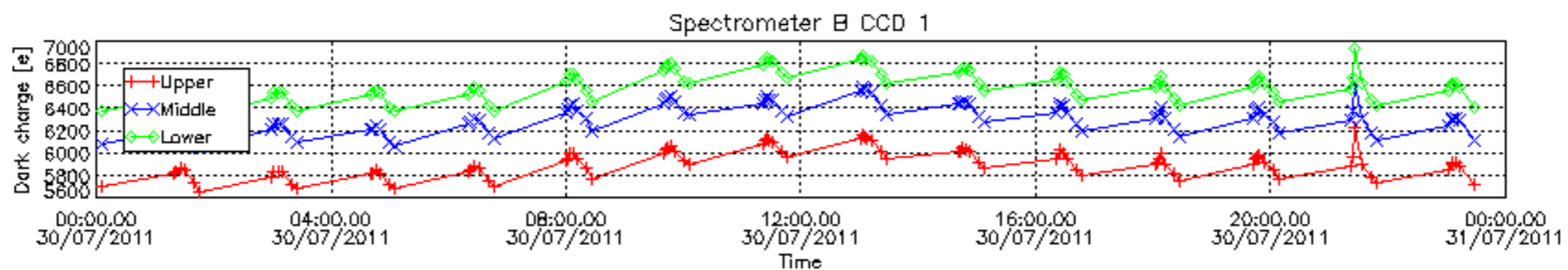
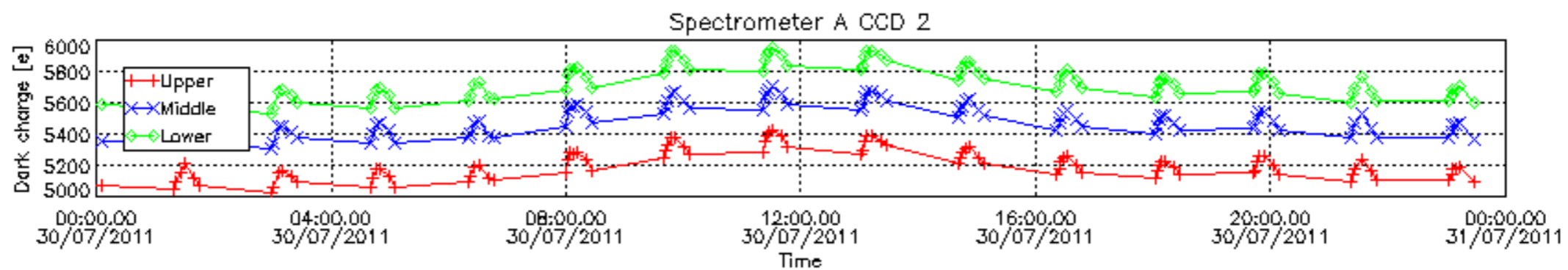
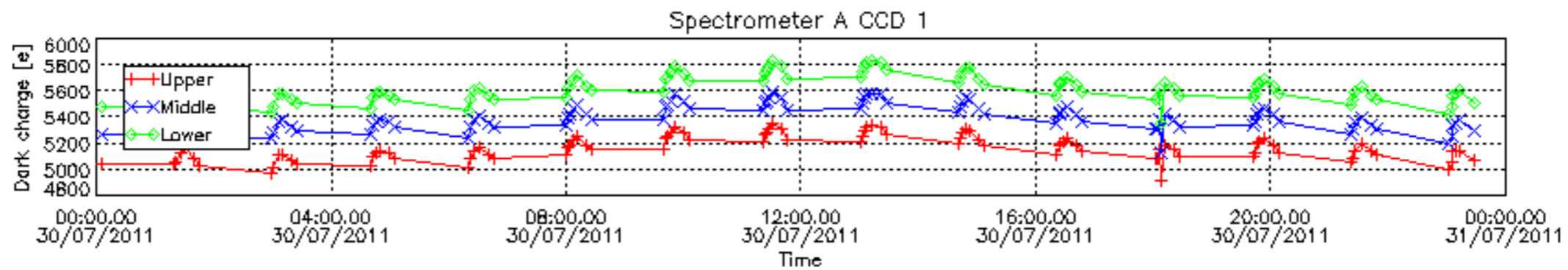
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

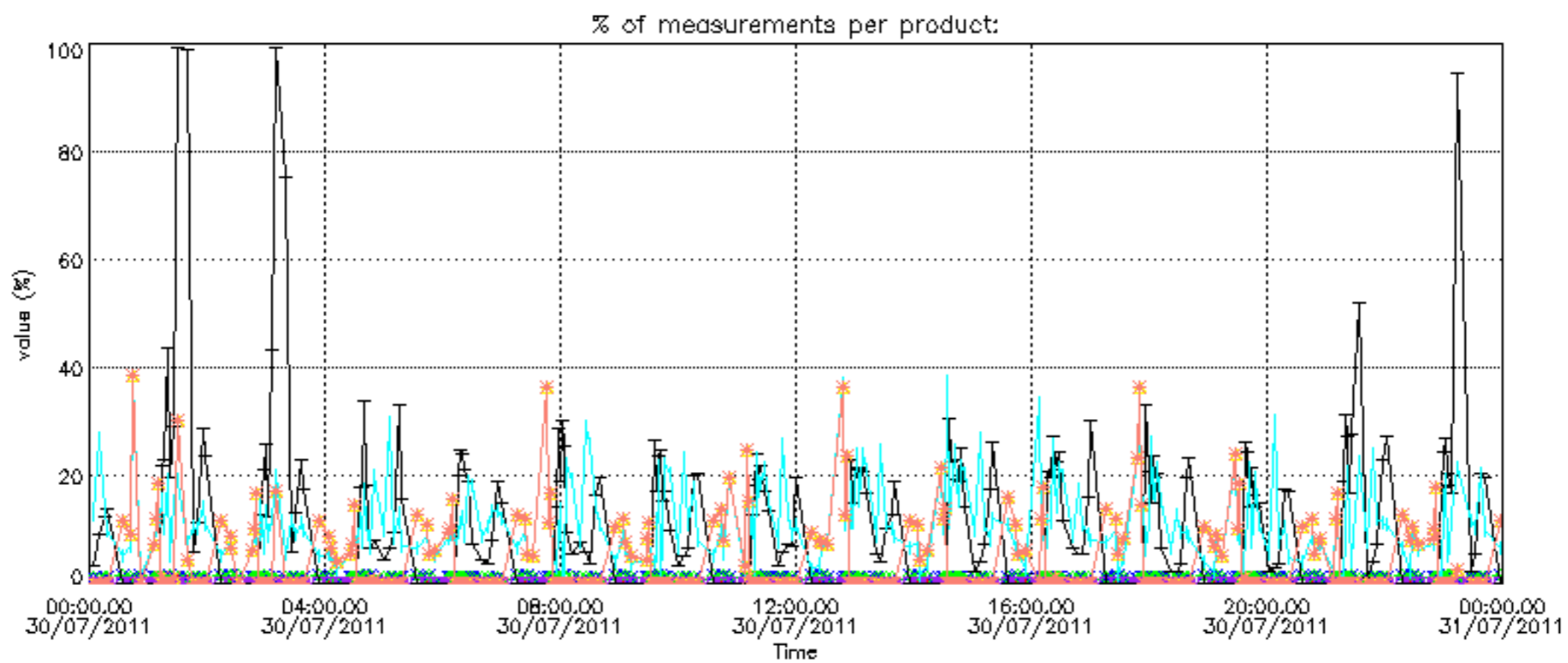
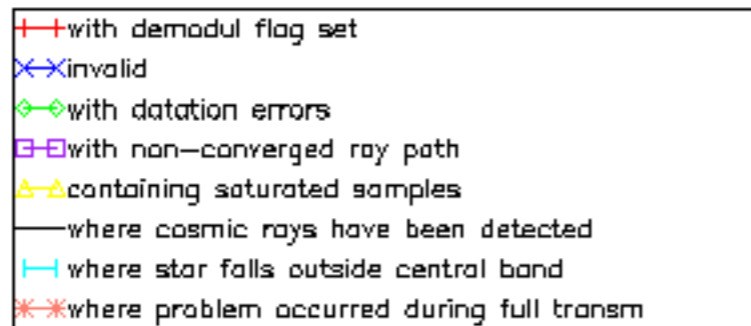
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CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110727_140829_20110725_000000_20500101_000000	1	30-JUL-2011 00:04:51
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	30-JUL-2011 00:04:51
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	30-JUL-2011 00:04:51
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	30-JUL-2011 00:04:51
ECMWF_FILE	AUX_ECF_AXNECM20110729_062115_20110729_210000_20110730_090000	1	30-JUL-2011 00:04:51
ECMWF_FILE	AUX_ECF_AXNECM20110729_181919_20110730_030000_20110730_150000	47	30-JUL-2011 04:26:32
ECMWF_FILE	AUX_ECA_AXNECM20110730_064149_20110729_210000_20110730_090000	66	30-JUL-2011 06:06:46
ECMWF_FILE	AUX_ECF_AXNECM20110729_181919_20110730_030000_20110730_150000	101	30-JUL-2011 08:55:19
ECMWF_FILE	AUX_ECF_AXNECM20110730_064149_20110730_090000_20110730_210000	121	30-JUL-2011 10:35:33
ECMWF_FILE	AUX_ECF_AXNECM20110730_064150_20110730_150000_20110731_030000	181	30-JUL-2011 15:36:15
ECMWF_FILE	AUX_ECA_AXNECM20110730_180149_20110730_090000_20110730_210000	201	30-JUL-2011 17:16:29
ECMWF_FILE	AUX_ECF_AXNECM20110730_064150_20110730_150000_20110731_030000	240	30-JUL-2011 20:21:06
ECMWF_FILE	AUX_ECF_AXNECM20110730_064150_20110730_210000_20110731_090000	254	30-JUL-2011 21:28:36
OPTIONAL_ECMWF_FILE	MISSING	1	30-JUL-2011 00:04:51
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110729_102114_20110728_193604_20110807_200937	1	30-JUL-2011 00:04:51
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110730_102147_20110729_185920_20110808_211306	121	30-JUL-2011 10:35:33





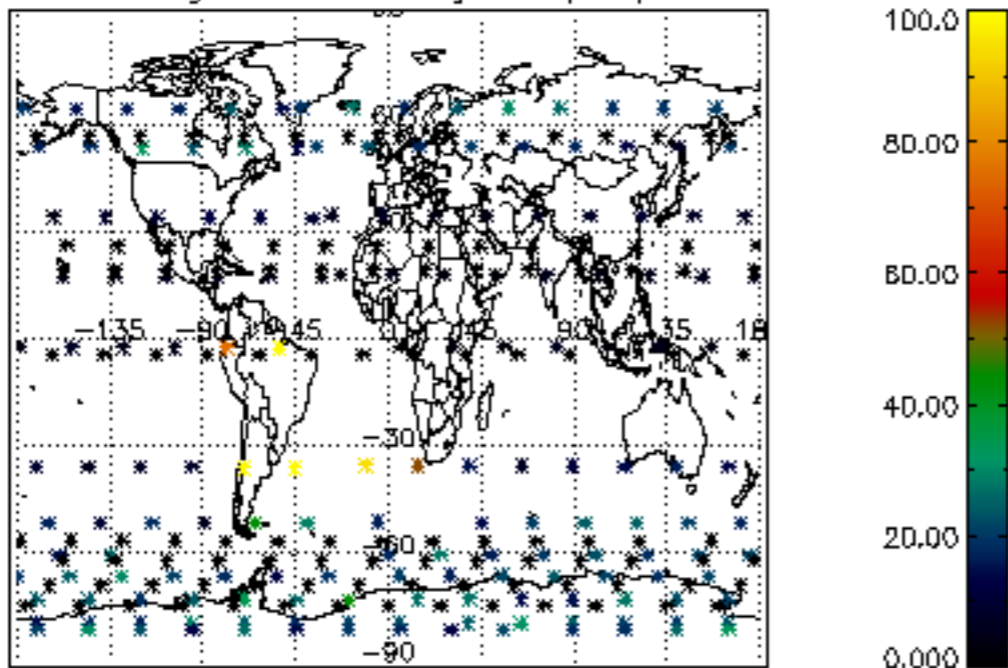




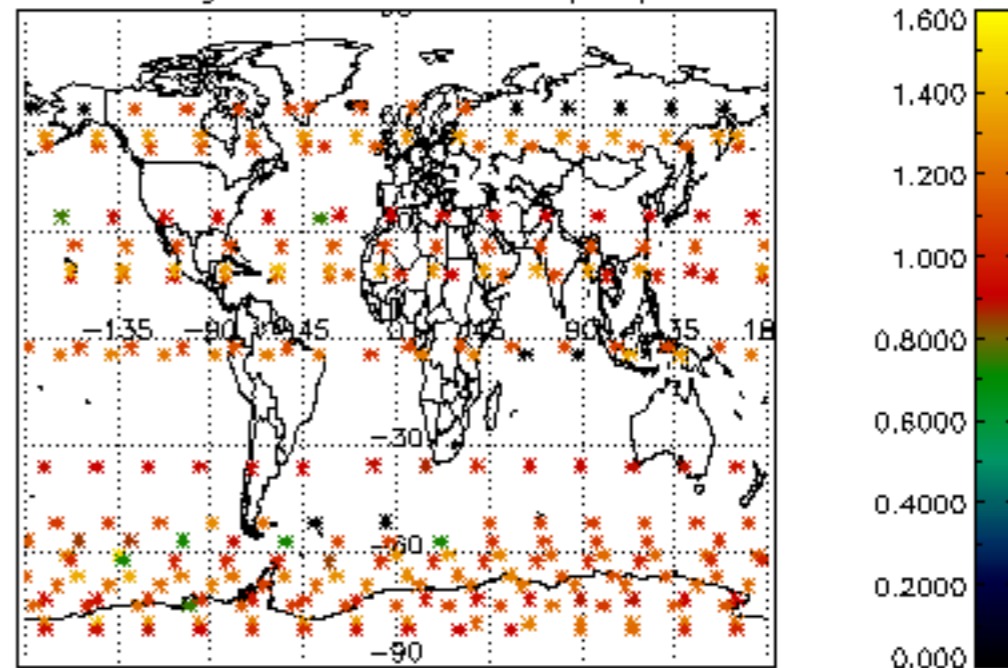




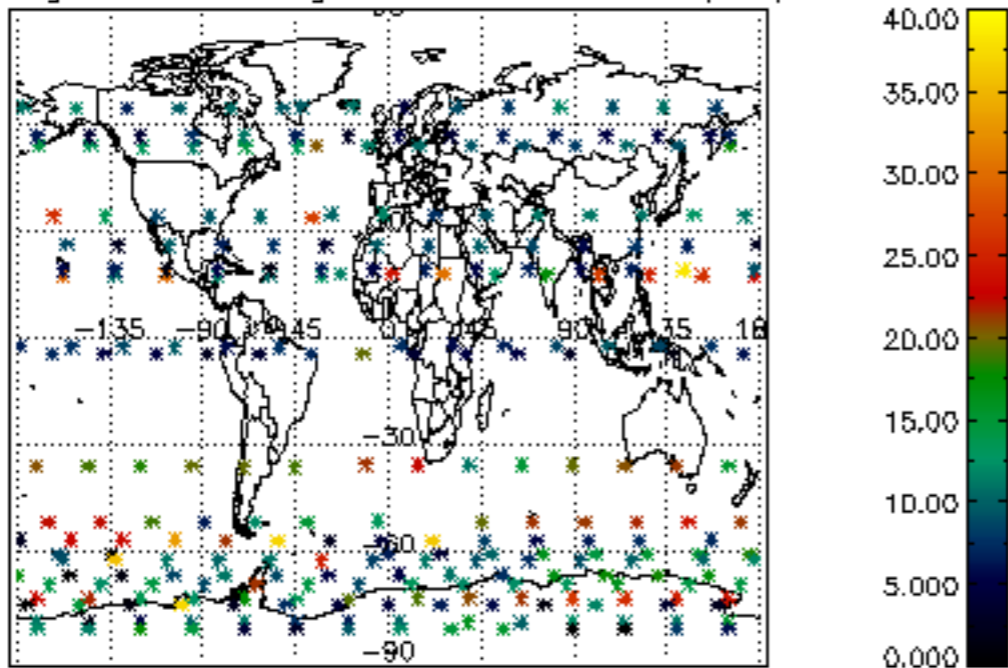
Percentage of cosmic ray hits per profile



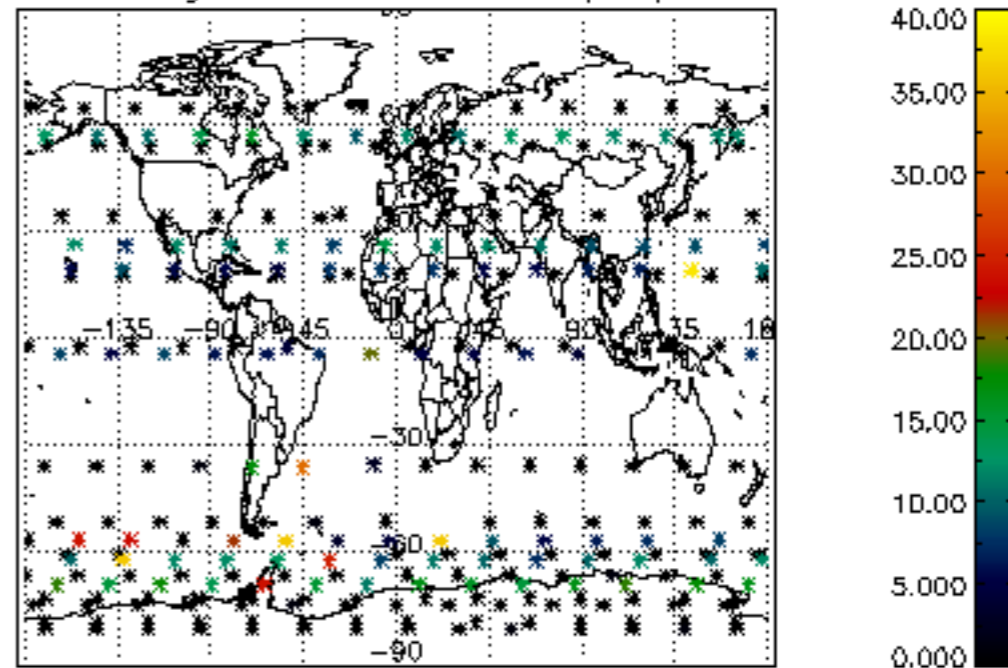
Percentage of datation errors per profile



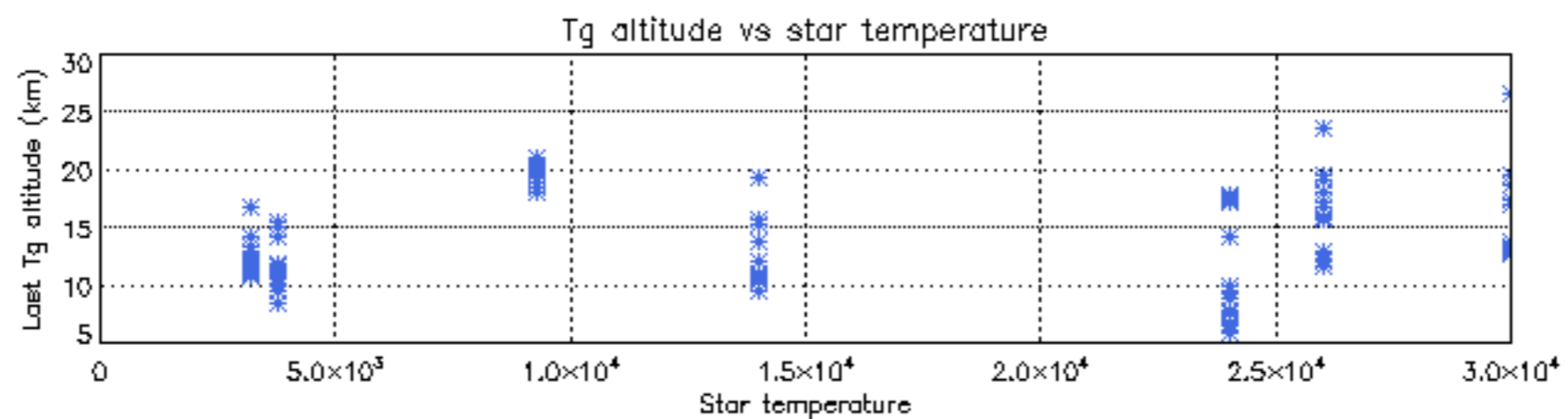
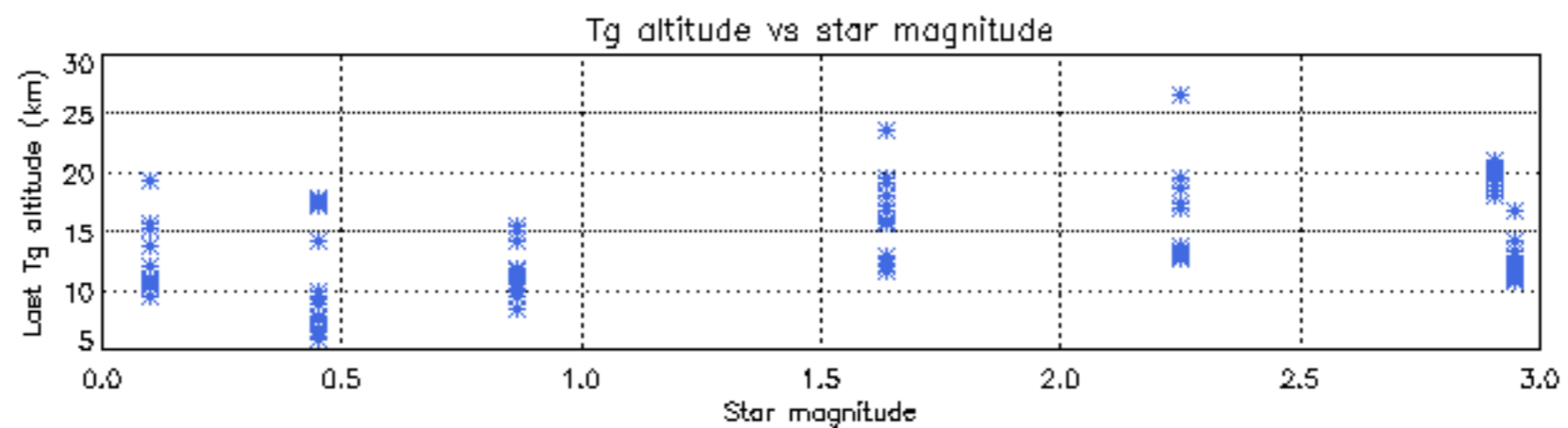
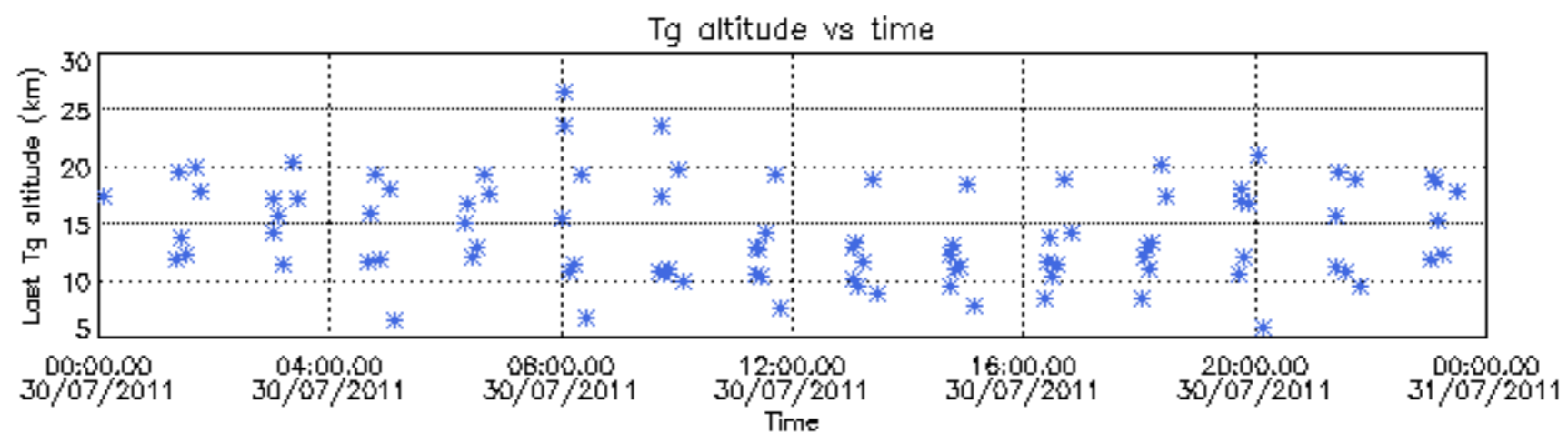
Percentage of star falling outside central band per profile



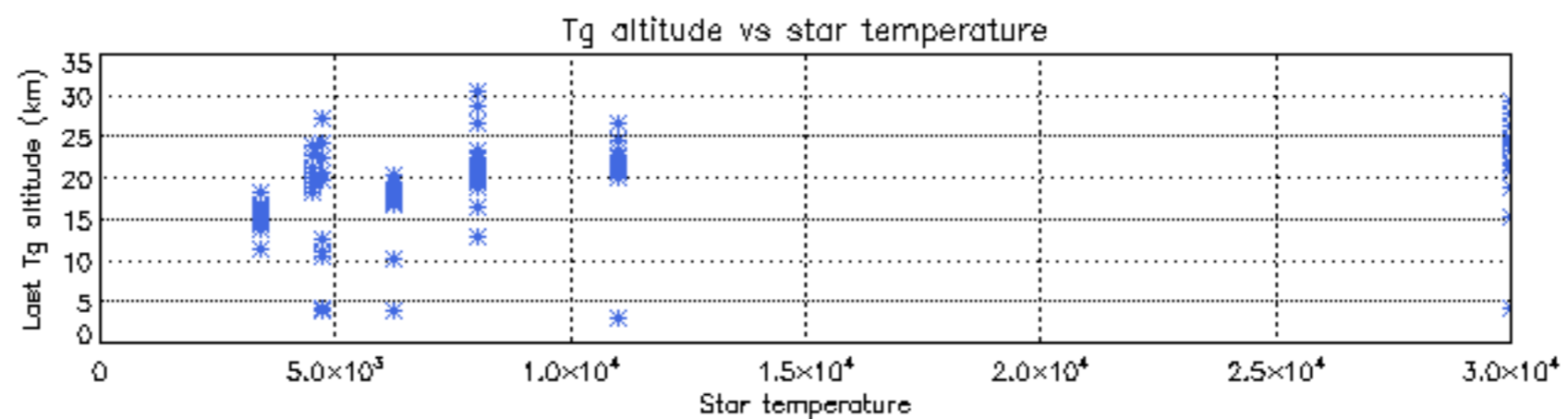
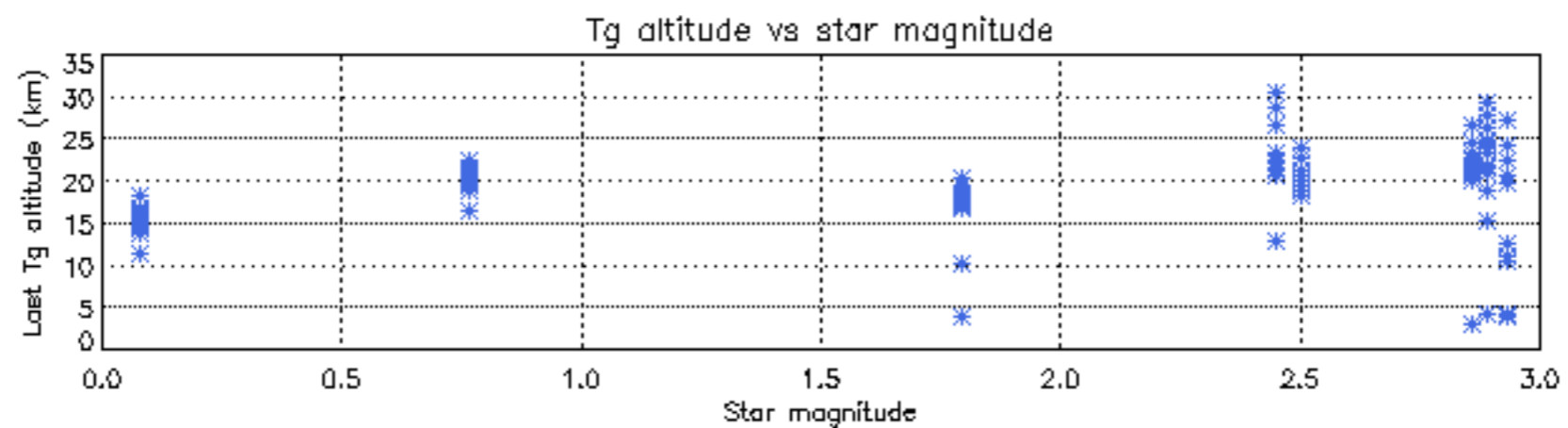
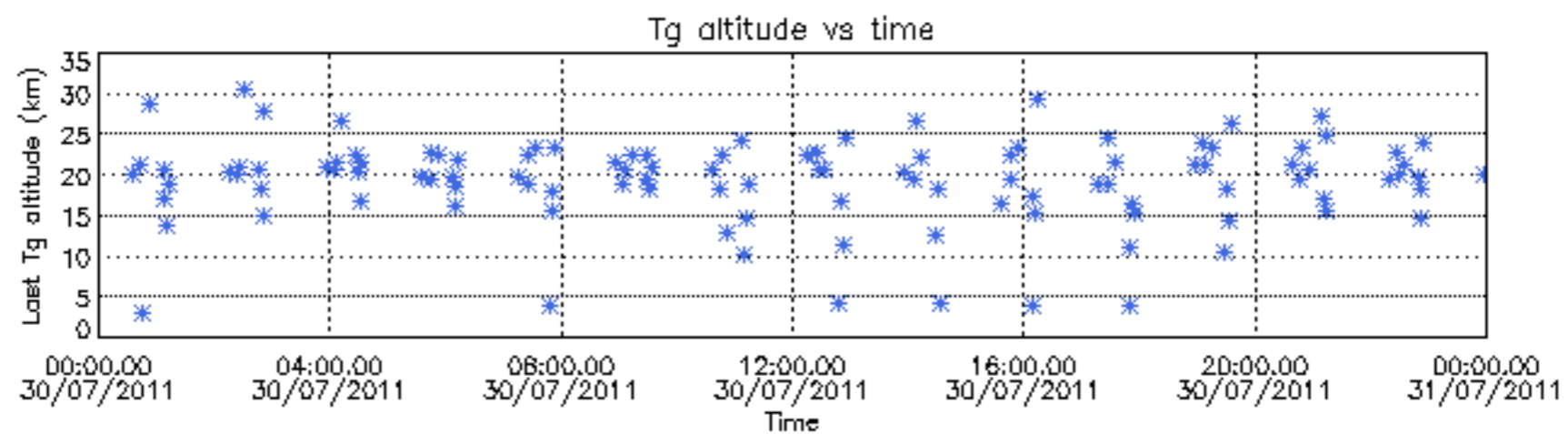
Percentage of saturation errors per profile



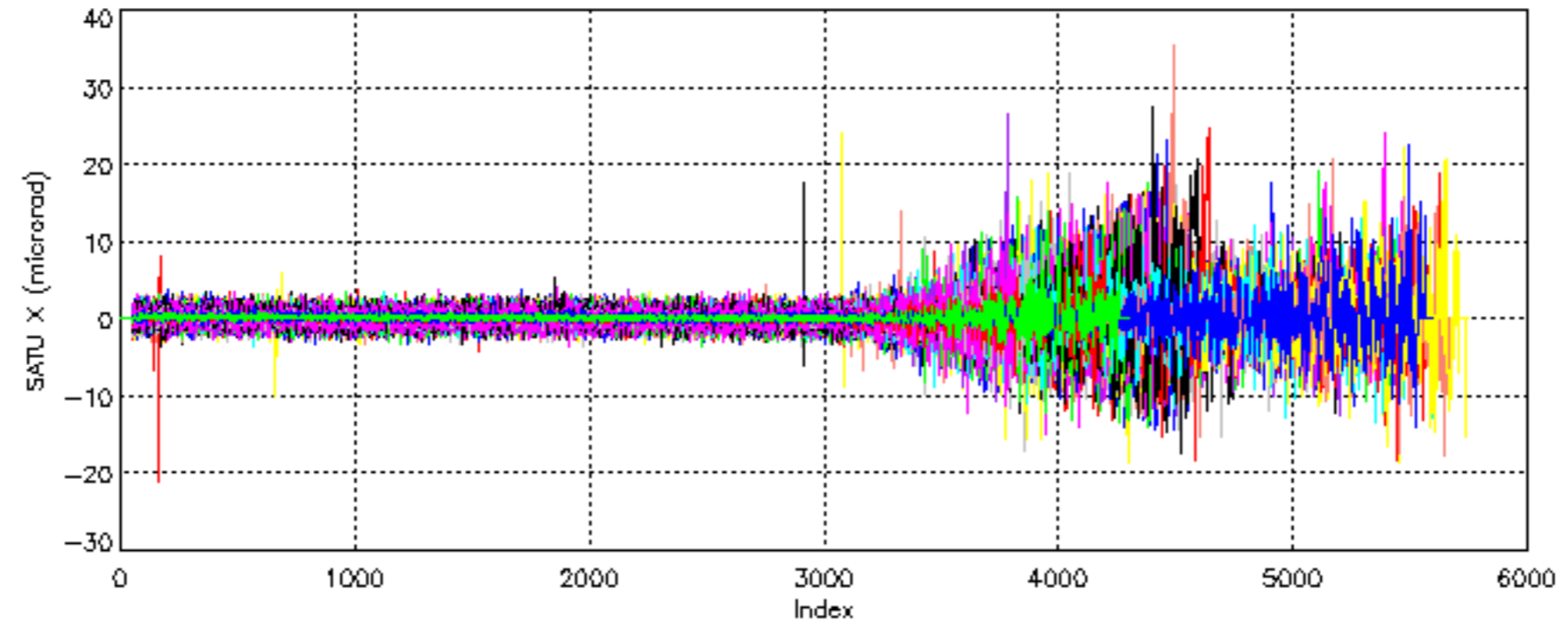
Tangent altitude at which the star is lost

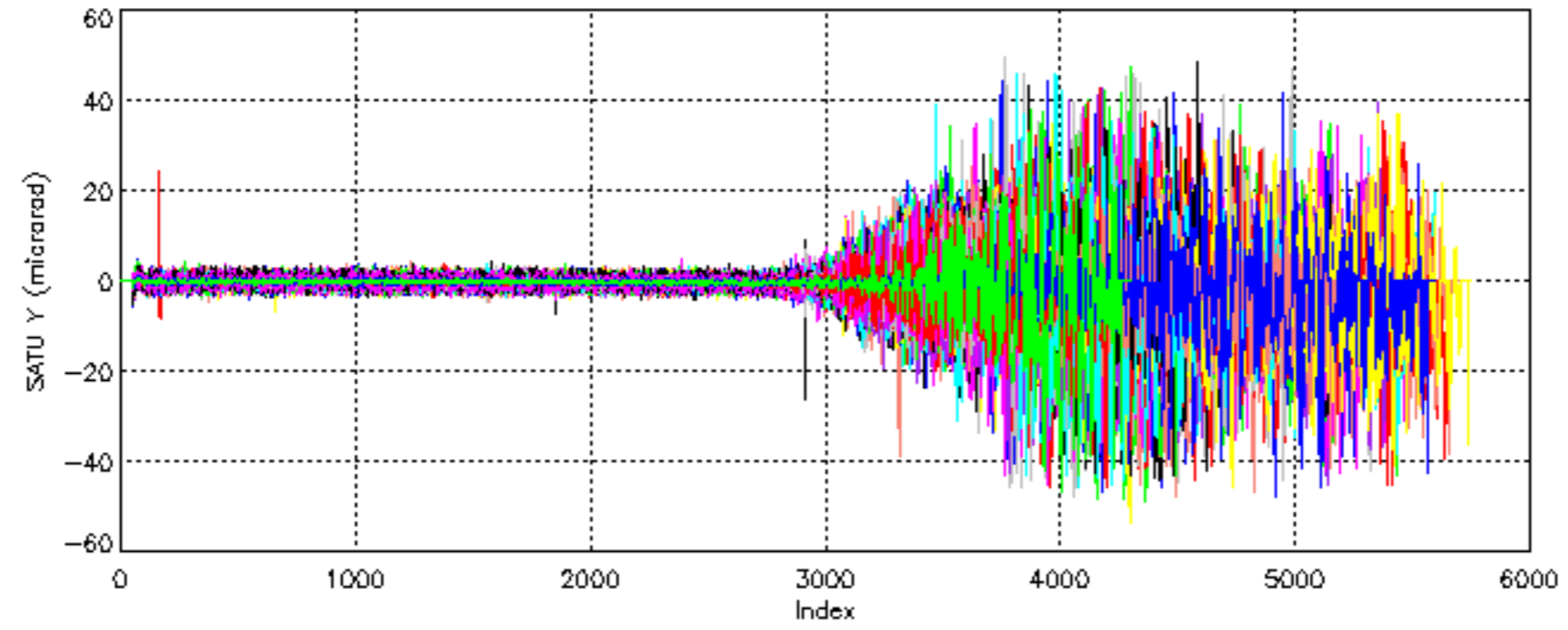


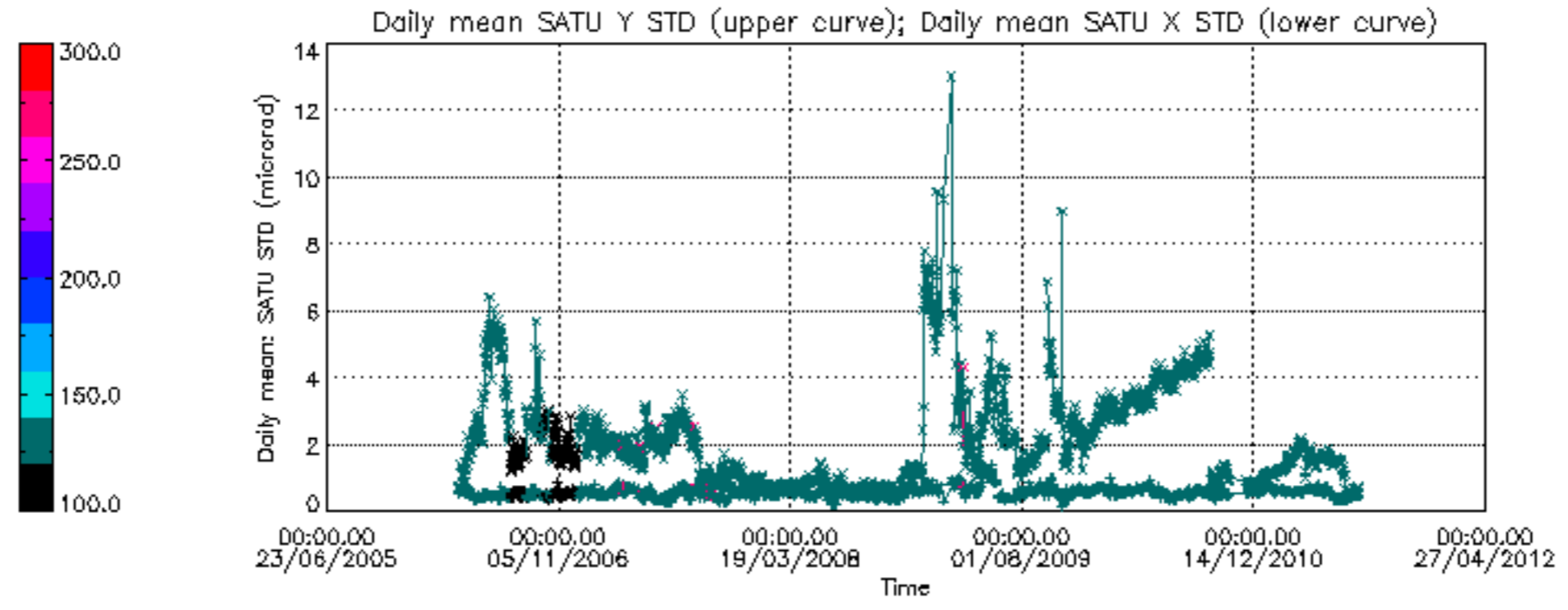
Tangent altitude at which the star is lost



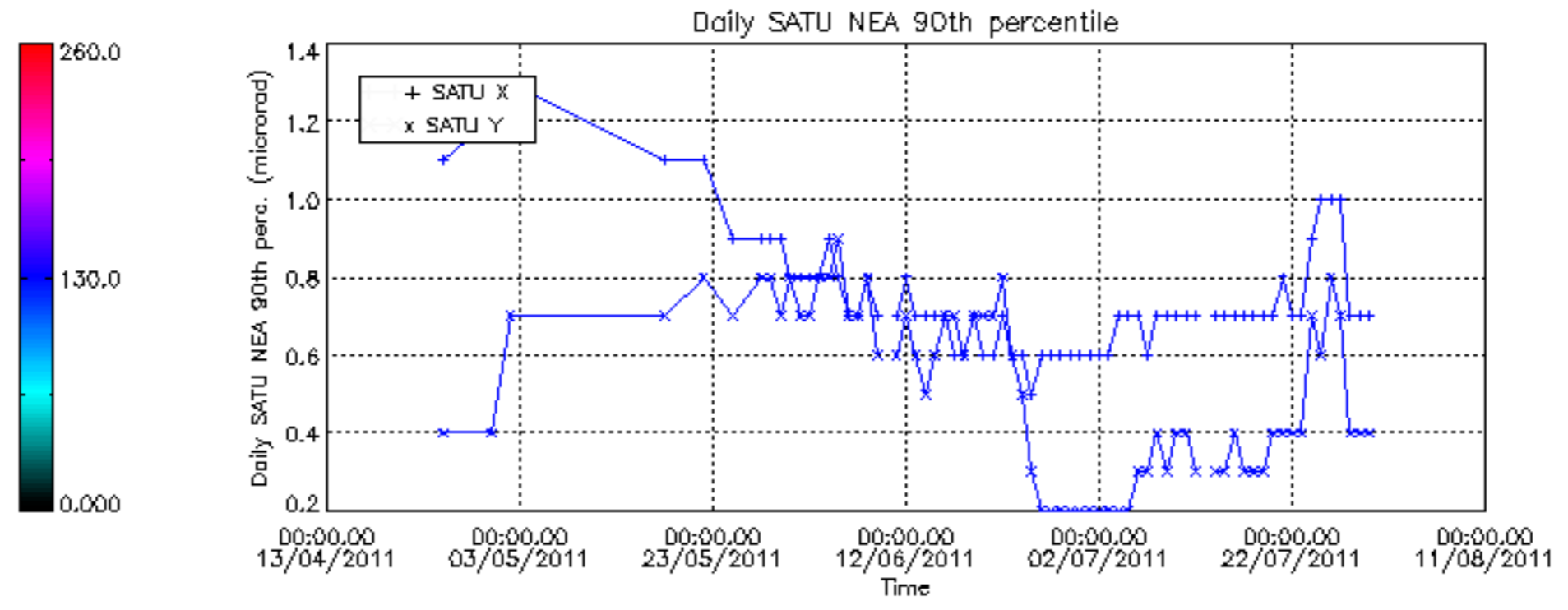












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 19; 4465.6; 25-JUL-2011 00:57:41; Dark ; 50.5; 150; 44Zet Per ; 2.89; 28000;occ; 101; 0;49154  
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