

# GOMOS Daily Report 20-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	23JUL2011 07:04:36
Data source version	GOMOS/6.01
Start time of products	20JUL2011 00:00:59
Stop time of products	20JUL2011 23:57:52
Store outputs in DB	Yes
Nb of level 1b prods	288
Nb of prods with errors	1

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

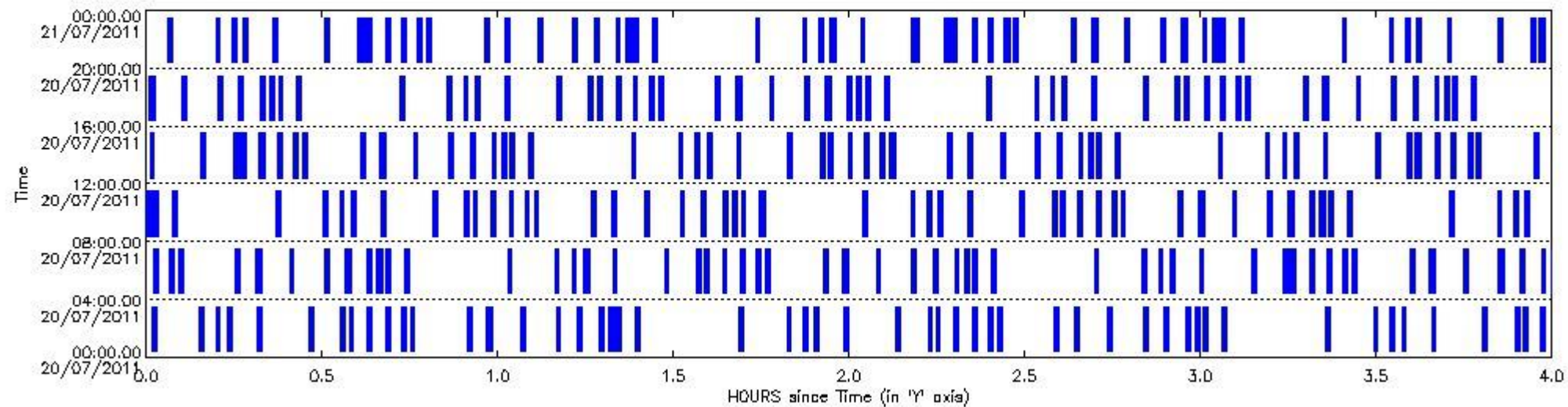
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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)

No missing products.

### 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_1PNPDE20110720_000059_000000453104_00361_49082_5221.N1	20-JUL-2011 00:00:59	Bright	44.500	11	53Alp Aql	0.76500	8000.0	89	49082	No
2	GOM_TRA_1PNPDE20110720_000906_000000453104_00361_49082_5222.N1	20-JUL-2011 00:09:06	Bright	45.000	5	3Alp Lyr	0.033000	11000.	90	49082	No
3	GOM_TRA_1PNPDE20110720_001157_000000393104_00361_49082_5223.N1	20-JUL-2011 00:11:57	Bright	39.000	144	18Del Cyg	2.8600	11000.	78	49082	No
4	GOM_TRA_1PNPDE20110720_001354_000000433104_00361_49082_5224.N1	20-JUL-2011 00:13:54	Bright	43.000	19	50Alp Cyg	1.2460	10500.	86	49082	No
5	GOM_TRA_1PNPDE20110720_001900_000000413104_00361_49082_5225.N1	20-JUL-2011 00:19:00	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	49082	No
6	GOM_TRA_1PNPDE20110720_002747_000000503104_00361_49082_5226.N1	20-JUL-2011 00:27:47	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	49082	No
7	GOM_TRA_1PNPDE20110720_003313_000000433104_00361_49082_5227.N1	20-JUL-2011 00:33:13	Bright	42.500	160	23Gam Per	2.9300	4700.0	85	49082	No
8	GOM_TRA_1PNPDE20110720_003439_000000443104_00361_49082_5228.N1	20-JUL-2011 00:34:39	Bright	44.000	35	33Alp Per	1.7950	6250.0	88	49082	No
9	GOM_TRA_1PNPDE20110720_003739_000000513104_00361_49082_5229.N1	20-JUL-2011 00:37:39	Bright	51.000	79	26Bet Per	2.3100	13100.	102	49082	No
10	GOM_TRA_1PNPDE20110720_004045_000000493104_00361_49082_5230.N1	20-JUL-2011 00:40:45	Twilight	48.500	150	44Zet Per	2.8900	28000.	97	49082	No
11	GOM_TRA_1PNPDE20110720_004327_000000483104_00361_49082_5231.N1	20-JUL-2011 00:43:27	Twilight	47.500	146	25Eta Tau	2.8730	15200.	95	49082	No
12	GOM_TRA_1PNPDE20110720_004502_000000473104_00361_49082_5232.N1	20-JUL-2011 00:45:02	Twilight	46.500	13	87Alp Tau	0.86700	3800.0	93	49082	No

13	GOM_TRA_1PNPDE20110720_005447_000000503104_00361_49082_5254.N1	20-JUL-2011 00:54:47	Dark	50.000	165	34Gam Eri	2.9500	3200.0	100	49082	No
14	GOM_TRA_1PNPDE20110720_010355_000000433104_00361_49082_5255.N1	20-JUL-2011 01:03:55	Dark	43.000	157	The1Eri	2.9060	9300.0	86	49082	No
15	GOM_TRA_1PNPDE20110720_010957_000000483104_00362_49083_5256.N1	20-JUL-2011 01:09:57	Dark	48.000	9	Alp Eri	0.45300	24000.	96	49083	No
16	GOM_TRA_1PNPDE20110720_011329_000000523104_00362_49083_5257.N1	20-JUL-2011 01:13:29	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	49083	No
17	GOM_TRA_1PNPDE20110720_011718_000000413104_00362_49083_5258.N1	20-JUL-2011 01:17:18	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	49083	No
18	GOM_TRA_1PNPDE20110720_011852_000000603104_00362_49083_5259.N1	20-JUL-2011 01:18:52	Straylight	60.000	63	Bet Gru	2.1500	2800.0	120	49083	No
19	GOM_TRA_1PNPDE20110720_012020_000000483104_00362_49083_5260.N1	20-JUL-2011 01:20:20	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	49083	No
20	GOM_TRA_1PNPDE20110720_012332_000000503104_00362_49083_5261.N1	20-JUL-2011 01:23:32	Straylight	49.500	172	Gam Gru	3.0030	13100.	99	49083	No
21	GOM_TRA_1PNPDE20110720_014113_000000433104_00362_49083_5262.N1	20-JUL-2011 01:41:13	Bright	43.000	11	53Alp Aql	0.76500	8000.0	86	49083	No
22	GOM_TRA_1PNPDE20110720_014920_000000363104_00362_49083_5263.N1	20-JUL-2011 01:49:20	Bright	35.500	5	3Alp Lyr	0.033000	11000.	71	49083	No
23	GOM_TRA_1PNPDE20110720_015210_000000423104_00362_49083_5264.N1	20-JUL-2011 01:52:10	Bright	41.500	144	18Del Cyg	2.8600	11000.	83	49083	No
24	GOM_TRA_1PNPDE20110720_015407_000000493104_00362_49083_5265.N1	20-JUL-2011 01:54:07	Bright	48.500	19	50Alp Cyg	1.2460	10500.	97	49083	No
25	GOM_TRA_1PNPDE20110720_015913_000000433104_00362_49083_5266.N1	20-JUL-2011 01:59:13	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	49083	No
26	GOM_TRA_1PNPDE20110720_020800_000000483104_00362_49083_5267.N1	20-JUL-2011 02:08:00	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	49083	No
27	GOM_TRA_1PNPDE20110720_021326_000000463104_00362_49083_5268.N1	20-JUL-2011 02:13:26	Bright	46.000	160	23Gam Per	2.9300	4700.0	92	49083	No
28	GOM_TRA_1PNPDE20110720_021452_000000423104_00362_49083_5269.N1	20-JUL-2011 02:14:52	Bright	42.000	35	33Alp Per	1.7950	6250.0	84	49083	No
29	GOM_TRA_1PNPDE20110720_021753_000000513104_00362_49083_5270.N1	20-JUL-2011 02:17:53	Bright	50.500	79	26Bet Per	2.3100	13100.	101	49083	No
30	GOM_TRA_1PNPDE20110720_022059_000000483104_00362_49083_5271.N1	20-JUL-2011 02:20:59	Twilight	48.000	150	44Zet Per	2.8900	28000.	96	49083	No
31	GOM_TRA_1PNPDE20110720_022341_000000463104_00362_49083_5272.N1	20-JUL-2011 02:23:41	Twilight	46.000	146	25Eta Tau	2.8730	15200.	92	49083	No
32	GOM_TRA_1PNPDE20110720_022517_000000473104_00362_49083_5285.N1	20-JUL-2011 02:25:17	Twilight	47.000	13	87Alp Tau	0.86700	3800.0	94	49083	No
33	GOM_TRA_1PNPDE20110720_023501_000000463104_00362_49083_5286.N1	20-JUL-2011 02:35:01	Dark	45.500	165	34Gam Eri	2.9500	3200.0	91	49083	No
34	GOM_TRA_1PNPDE20110720_024410_000000423104_00362_49083_5287.N1	20-JUL-2011 02:44:10	Dark	42.000	157	The1Eri	2.9060	9300.0	84	49083	No
35	GOM_TRA_1PNPDE20110720_025011_000000533104_00363_49084_5288.N1	20-JUL-2011 02:50:11	Dark	52.500	9	Alp Eri	0.45300	24000.	105	49084	No
36	GOM_TRA_1PNPDE20110720_025344_000000563104_00363_49084_5289.N1	20-JUL-2011 02:53:44	Dark	55.500	84	Alp Phe	2.3970	4500.0	111	49084	No
37	GOM_TRA_1PNPDE20110720_025733_000000423104_00363_49084_5290.N1	20-JUL-2011 02:57:33	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	49084	No
38	GOM_TRA_1PNPDE20110720_025906_000000543104_00363_49084_5291.N1	20-JUL-2011 02:59:06	Straylight	53.500	63	Bet Gru	2.1500	2800.0	107	49084	No
39	GOM_TRA_1PNPDE20110720_030034_000000473104_00363_49084_5292.N1	20-JUL-2011 03:00:34	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	49084	No
40	GOM_TRA_1PNPDE20110720_030346_000000503104_00363_49084_5293.N1	20-JUL-2011 03:03:46	Straylight	49.500	172	Gam Gru	3.0030	13100.	99	49084	No
41	GOM_TRA_1PNPDE20110720_032127_000000433104_00363_49084_5294.N1	20-JUL-2011 03:21:27	Bright	43.000	11	53Alp Aql	0.76500	8000.0	86	49084	No
42	GOM_TRA_1PNPDE20110720_032934_000000383104_00363_49084_5295.N1	20-JUL-2011 03:29:34	Bright	38.000	5	3Alp Lyr	0.033000	11000.	76	49084	No
43	GOM_TRA_1PNPDE20110720_033224_000000403104_00363_49084_5296.N1	20-JUL-2011 03:32:24	Bright	39.500	144	18Del Cyg	2.8600	11000.	79	49084	No
44	GOM_TRA_1PNPDE20110720_033420_000000433104_00363_49084_5297.N1	20-JUL-2011 03:34:20	Bright	42.500	19	50Alp Cyg	1.2460	10500.	85	49084	No
45	GOM_TRA_1PNPDE20110720_033926_000000433104_00363_49084_5298.N1	20-JUL-2011 03:39:26	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	49084	No
46	GOM_TRA_1PNPDE20110720_034814_000000473104_00363_49084_5329.N1	20-JUL-2011 03:48:14	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	49084	No
47	GOM_TRA_1PNPDE20110720_035340_000000523104_00363_49084_5330.N1	20-JUL-2011 03:53:40	Bright	51.500	160	23Gam Per	2.9300	4700.0	103	49084	No
48	GOM_TRA_1PNPDE20110720_035506_000000443104_00363_49084_5331.N1	20-JUL-2011 03:55:06	Bright	43.500	35	33Alp Per	1.7950	6250.0	87	49084	No
49	GOM_TRA_1PNPDE20110720_035807_000000493104_00363_49084_5332.N1	20-JUL-2011 03:58:07	Bright	49.000	79	26Bet Per	2.3100	13100.	98	49084	No
50	GOM_TRA_1PNPDE20110720_040113_000000493104_00363_49084_5333.N1	20-JUL-2011 04:01:13	Twilight	49.000	150	44Zet Per	2.8900	28000.	98	49084	No
51	GOM_TRA_1PNPDE20110720_040355_000000473104_00363_49084_5334.N1	20-JUL-2011 04:03:55	Twilight	47.000	146	25Eta Tau	2.8730	15200.	94	49084	No
52	GOM_TRA_1PNPDE20110720_040531_000000563104_00363_49084_5335.N1	20-JUL-2011 04:05:31	Twilight	56.000	13	87Alp Tau	0.86700	3800.0	112	49084	No
53	GOM_TRA_1PNPDE20110720_041516_000000493104_00363_49084_5336.N1	20-JUL-2011 04:15:16	Dark	49.000	165	34Gam Eri	2.9500	3200.0	98	49084	No
54	GOM_TRA_1PNPDE20110720_042425_000000433104_00363_49084_5337.N1	20-JUL-2011 04:24:25	Dark	43.000	157	The1Eri	2.9060	9300.0	86	49084	No
55	GOM_TRA_1PNPDE20110720_043026_000000523104_00364_49085_5338.N1	20-JUL-2011 04:30:26	Dark	52.000	9	Alp Eri	0.45300	24000.	104	49085	No
56	GOM_TRA_1PNPDE20110720_043359_000000533104_00364_49085_5339.N1	20-JUL-2011 04:33:59	Dark	52.500	84	Alp Phe	2.3970	4500.0	105	49085	No
57	GOM_TRA_1PNPDE20110720_043747_000000433104_00364_49085_5340.N1	20-JUL-2011 04:37:47	Straylight	43.000	148	Alp Tuc	2.8780	4100.0	86	49085	No
58	GOM_TRA_1PNPDE20110720_043921_000000633104_00364_49085_5341.N1	20-JUL-2011 04:39:21	Straylight	62.500	63	Bet Gru	2.1500	2800.0	125	49085	No
59	GOM_TRA_1PNPDE20110720_044049_000000503104_00364_49085_5342.N1	20-JUL-2011 04:40:49	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	49085	No
60	GOM_TRA_1PNPDE20110720_044401_000000493104_00364_49085_5343.N1	20-JUL-2011 04:44:01	Straylight	48.500	172	Gam Gru	3.0030	13100.	97	49085	No
61	GOM_TRA_1PNPDE20110720_050141_000000443104_00364_49085_5344.N1	20-JUL-2011 05:01:41	Bright	43.500	11	53Alp Aql	0.76500	8000.0	87	49085	No
62	GOM_TRA_1PNPDE20110720_050948_000000363104_00364_49085_5345.N1	20-JUL-2011 05:09:48	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	49085	No
63	GOM_TRA_1PNPDE20110720_051238_000000403104_00364_49085_5346.N1	20-JUL-2011 05:12:38	Bright	40.000	144	18Del Cyg	2.8600	11000.	80	49085	No
64	GOM_TRA_1PNPDE20110720_051433_000000683104_00364_49085_5347.N1	20-JUL-2011 05:14:33	Bright	68.000	19	50Alp Cyg	1.2460	10500.	136	49085	No
65	GOM_TRA_1PNPDE20110720_051940_000000423104_00364_49085_5348.N1	20-JUL-2011 05:19:40	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	49085	No
66	GOM_TRA_1PNPDE20110720_052827_000000473104_00364_49085_5373.N1	20-JUL-2011 05:28:27	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	49085	No
67	GOM_TRA_1PNPDE20110720_053354_000000423104_00364_49085_5374.N1	20-JUL-2011 05:33:54	Bright	42.000	160	23Gam Per	2.9300	4700.0	84	49085	No
68	GOM_TRA_1PNPDE20110720_053520_000000443104_00364_49085_5375.N1	20-JUL-2011 05:35:20	Bright	43.500	35	33Alp Per	1.7950	6250.0	87	49085	No
69	GOM_TRA_1PNPDE20110720_053821_000000483104_00364_49085_5376.N1	20-JUL-2011 05:38:21	Bright	47.500	79	26Bet Per	2.3100	13100.	95	49085	No
70	GOM_TRA_1PNPDE20110720_054127_000000483104_00364_49085_5377.N1	20-JUL-2011 05:41:27	Twilight	48.000	150	44Zet Per	2.8900	28000.	96	49085	No
71	GOM_TRA_1PNPDE20110720_054410_000000443104_00364_49085_5378.N1	20-JUL-2011 05:44:10	Twilight	44.000	146	25Eta Tau	2.8730	15200.	88	49085	No



72	GOM_TRA_1PNPDE20110720_054545_000000463104_00364_49085_5379.N1	20-JUL-2011 05:45:45	Twilight	45.500	13	87Alp Tau	0.86700	3800.0	91	49085	No
73	GOM_TRA_1PNPDE20110720_055531_000000493104_00364_49085_5380.N1	20-JUL-2011 05:55:31	Dark	49.000	165	34Gam Eri	2.9500	3200.0	98	49085	No
74	GOM_TRA_1PNPDE20110720_060440_000000423104_00364_49085_5381.N1	20-JUL-2011 06:04:40	Dark	42.000	157	The1Eri	2.9060	9300.0	84	49085	No
75	GOM_TRA_1PNPDE20110720_061041_000000463104_00365_49086_5382.N1	20-JUL-2011 06:10:41	Dark	45.500	9	Alp Eri	0.45300	24000.	91	49086	No
76	GOM_TRA_1PNPDE20110720_061415_000000533104_00365_49086_5383.N1	20-JUL-2011 06:14:15	Dark	52.500	84	Alp Phe	2.3970	4500.0	105	49086	No
77	GOM_TRA_1PNPDE20110720_061802_000000413104_00365_49086_5384.N1	20-JUL-2011 06:18:02	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	49086	No
78	GOM_TRA_1PNPDE20110720_061936_000000493104_00365_49086_5385.N1	20-JUL-2011 06:19:36	Straylight	49.000	63	Bet Gru	2.1500	2800.0	98	49086	No
79	GOM_TRA_1PNPDE20110720_062104_000000483104_00365_49086_5386.N1	20-JUL-2011 06:21:04	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	49086	No
80	GOM_TRA_1PNPDE20110720_062416_000000503104_00365_49086_5387.N1	20-JUL-2011 06:24:16	Straylight	49.500	172	Gam Gru	3.0030	13100.	99	49086	No
81	GOM_TRA_1PNPDE20110720_064154_000000433104_00365_49086_5388.N1	20-JUL-2011 06:41:54	Bright	42.500	11	53Alp Aql	0.76500	8000.0	85	49086	No
82	GOM_TRA_1PNPDE20110720_065002_000000393104_00365_49086_5389.N1	20-JUL-2011 06:50:02	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	49086	No
83	GOM_TRA_1PNPDE20110720_065251_000000403104_00365_49086_5390.N1	20-JUL-2011 06:52:51	Bright	40.000	144	18Del Cyg	2.8600	11000.	80	49086	No
84	GOM_TRA_1PNPDE20110720_065447_000000483104_00365_49086_5391.N1	20-JUL-2011 06:54:47	Bright	48.000	19	50Alp Cyg	1.2460	10500.	96	49086	No
85	GOM_TRA_1PNPDE20110720_065954_000000413104_00365_49086_5392.N1	20-JUL-2011 06:59:54	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	49086	No
86	GOM_TRA_1PNPDK20110720_070840_000000513104_00365_49086_8089.N1	20-JUL-2011 07:08:40	Bright	50.500	76	27Gam Cas	2.3000	30000.	101	49086	No
87	GOM_TRA_1PNPDK20110720_071408_000000643104_00365_49086_8090.N1	20-JUL-2011 07:14:08	Bright	64.000	160	23Gam Per	2.9300	4700.0	128	49086	No
88	GOM_TRA_1PNPDK20110720_071534_000000453104_00365_49086_8091.N1	20-JUL-2011 07:15:34	Bright	44.500	35	33Alp Per	1.7950	6250.0	89	49086	No
89	GOM_TRA_1PNPDK20110720_071835_000000513104_00365_49086_8092.N1	20-JUL-2011 07:18:35	Bright	51.000	79	26Bet Per	2.3100	13100.	102	49086	No
90	GOM_TRA_1PNPDK20110720_072141_000000443104_00365_49086_8093.N1	20-JUL-2011 07:21:41	Tw_i_and_stray	44.000	150	44Zet Per	2.8900	28000.	88	49086	No
91	GOM_TRA_1PNPDK20110720_072424_000000443104_00365_49086_8094.N1	20-JUL-2011 07:24:24	Twilight	43.500	146	25Eta Tau	2.8730	15200.	87	49086	No
92	GOM_TRA_1PNPDK20110720_072600_000000443104_00365_49086_8095.N1	20-JUL-2011 07:26:00	Twilight	43.500	13	87Alp Tau	0.86700	3800.0	87	49086	No
93	GOM_TRA_1PNPDK20110720_073545_000000503104_00365_49086_8096.N1	20-JUL-2011 07:35:45	Dark	50.000	165	34Gam Eri	2.9500	3200.0	100	49086	No
94	GOM_TRA_1PNPDK20110720_074454_000000443104_00365_49086_8097.N1	20-JUL-2011 07:44:54	Dark	44.000	157	The1Eri	2.9060	9300.0	88	49086	No
95	GOM_TRA_1PNPDK20110720_075055_000000543104_00366_49087_8098.N1	20-JUL-2011 07:50:55	Dark	54.000	9	Alp Eri	0.45300	24000.	108	49087	No
96	GOM_TRA_1PNPDK20110720_075430_000000533104_00366_49087_8099.N1	20-JUL-2011 07:54:30	Dark	53.000	84	Alp Phe	2.3970	4500.0	106	49087	No
97	GOM_TRA_1PNPDK20110720_075816_000000413104_00366_49087_8100.N1	20-JUL-2011 07:58:16	Straylight	40.500	148	Alp Tuc	2.8780	4100.0	81	49087	No
98	GOM_TRA_1PNPDK20110720_075951_000000653104_00366_49087_8101.N1	20-JUL-2011 07:59:51	Straylight	65.000	63	Bet Gru	2.1500	2800.0	130	49087	No
99	GOM_TRA_1PNPDK20110720_080118_000000463104_00366_49087_8102.N1	20-JUL-2011 08:01:18	Straylight	45.500	31	Alp Gru	1.7340	15200.	91	49087	No
100	GOM_TRA_1PNPDK20110720_080430_000000503104_00366_49087_8103.N1	20-JUL-2011 08:04:30	Straylight	50.000	172	Gam Gru	3.0030	13100.	100	49087	No
101	GOM_TRA_1PNPDK20110720_082208_000000423104_00366_49087_8119.N1	20-JUL-2011 08:22:08	Bright	41.500	11	53Alp Aql	0.76500	8000.0	83	49087	No
102	GOM_TRA_1PNPDK20110720_083016_000000393104_00366_49087_8120.N1	20-JUL-2011 08:30:16	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	49087	No
103	GOM_TRA_1PNPDK20110720_083305_000000413104_00366_49087_8121.N1	20-JUL-2011 08:33:05	Bright	40.500	144	18Del Cyg	2.8600	11000.	81	49087	No
104	GOM_TRA_1PNPDK20110720_083500_000000483104_00366_49087_8122.N1	20-JUL-2011 08:35:00	Bright	47.500	19	50Alp Cyg	1.2460	10500.	95	49087	No
105	GOM_TRA_1PNPDK20110720_084007_000000403104_00366_49087_8123.N1	20-JUL-2011 08:40:07	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	49087	No
106	GOM_TRA_1PNPDK20110720_084854_000000563104_00366_49087_8124.N1	20-JUL-2011 08:48:54	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	49087	No
107	GOM_TRA_1PNPDK20110720_085422_000000423104_00366_49087_8125.N1	20-JUL-2011 08:54:22	Bright	42.000	160	23Gam Per	2.9300	4700.0	84	49087	No
108	GOM_TRA_1PNPDK20110720_085548_000000453104_00366_49087_8126.N1	20-JUL-2011 08:55:48	Bright	44.500	35	33Alp Per	1.7950	6250.0	89	49087	No
109	GOM_TRA_1PNPDK20110720_085848_000000513104_00366_49087_8127.N1	20-JUL-2011 08:58:48	Bright	50.500	79	26Bet Per	2.3100	13100.	101	49087	No
110	GOM_TRA_1PNPDK20110720_090155_000000463104_00366_49087_8128.N1	20-JUL-2011 09:01:55	Tw_i_and_stray	46.000	150	44Zet Per	2.8900	28000.	92	49087	No
111	GOM_TRA_1PNPDK20110720_090438_000000453104_00366_49087_8129.N1	20-JUL-2011 09:04:38	Twilight	44.500	146	25Eta Tau	2.8730	15200.	89	49087	No
112	GOM_TRA_1PNPDK20110720_090614_000000383104_00366_49087_8130.N1	20-JUL-2011 09:06:14	Twilight	38.000	13	87Alp Tau	0.86700	3800.0	76	49087	No
113	GOM_TRA_1PNPDK20110720_091600_000000503104_00366_49087_8131.N1	20-JUL-2011 09:16:00	Dark	49.500	165	34Gam Eri	2.9500	3200.0	99	49087	No
114	GOM_TRA_1PNPDK20110720_092509_000000443104_00366_49087_8132.N1	20-JUL-2011 09:25:09	Dark	43.500	157	The1Eri	2.9060	9300.0	87	49087	No
115	GOM_TRA_1PNPDK20110720_093110_000000423104_00367_49088_8133.N1	20-JUL-2011 09:31:10	Dark	42.000	9	Alp Eri	0.45300	24000.	84	49088	No
116	GOM_TRA_1PNPDK20110720_093445_000000533104_00367_49088_8134.N1	20-JUL-2011 09:34:45	Dark	53.000	84	Alp Phe	2.3970	4500.0	106	49088	No
117	GOM_TRA_1PNPDK20110720_093831_000000413104_00367_49088_8135.N1	20-JUL-2011 09:38:31	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	49088	No
118	GOM_TRA_1PNPDK20110720_094006_000000533104_00367_49088_8136.N1	20-JUL-2011 09:40:06	Straylight	53.000	63	Bet Gru	2.1500	2800.0	106	49088	No
119	GOM_TRA_1PNPDK20110720_094133_000000483104_00367_49088_8137.N1	20-JUL-2011 09:41:33	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	49088	No
120	GOM_TRA_1PNPDK20110720_094445_000000503104_00367_49088_8138.N1	20-JUL-2011 09:44:45	Straylight	49.500	172	Gam Gru	3.0030	13100.	99	49088	No
121	GOM_TRA_1PNPDK20110720_100222_000000443104_00367_49088_8147.N1	20-JUL-2011 10:02:22	Bright	43.500	11	53Alp Aql	0.76500	8000.0	87	49088	No
122	GOM_TRA_1PNPDK20110720_101029_000000353104_00367_49088_8148.N1	20-JUL-2011 10:10:29	Bright	35.000	5	3Alp Lyr	0.033000	11000.	70	49088	No
123	GOM_TRA_1PNPDK20110720_101319_000000423104_00367_49088_8149.N1	20-JUL-2011 10:13:19	Bright	41.500	144	18Del Cyg	2.8600	11000.	83	49088	No
124	GOM_TRA_1PNPDK20110720_101513_000000473104_00367_49088_8150.N1	20-JUL-2011 10:15:13	Bright	46.500	19	50Alp Cyg	1.2460	10500.	93	49088	No
125	GOM_TRA_1PNPDK20110720_102020_000000413104_00367_49088_8151.N1	20-JUL-2011 10:20:20	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	49088	No
126	GOM_TRA_1PNPDK20110720_102907_000000473104_00367_49088_8152.N1	20-JUL-2011 10:29:07	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	49088	No
127	GOM_TRA_1PNPDK20110720_103435_000000643104_00367_49088_8153.N1	20-JUL-2011 10:34:35	Bright	64.000	160	23Gam Per	2.9300	4700.0	128	49088	No
128	GOM_TRA_1PNPDK20110720_103602_000000433104_00367_49088_8154.N1	20-JUL-2011 10:36:02	Bright	43.000	35	33Alp Per	1.7950	6250.0	86	49088	No
129	GOM_TRA_1PNPDK20110720_103902_000000523104_00367_49088_8155.N1	20-JUL-2011 10:39:02	Bright	52.000	79	26Bet Per	2.3100	13100.	104	49088	No
130	GOM_TRA_1PNPDK20110720_104209_000000493104_00367_49088_8156.N1	20-JUL-2011 10:42:09	Tw_i_and_stray	49.000	150	44Zet Per	2.8900	28000.	98	49088	No

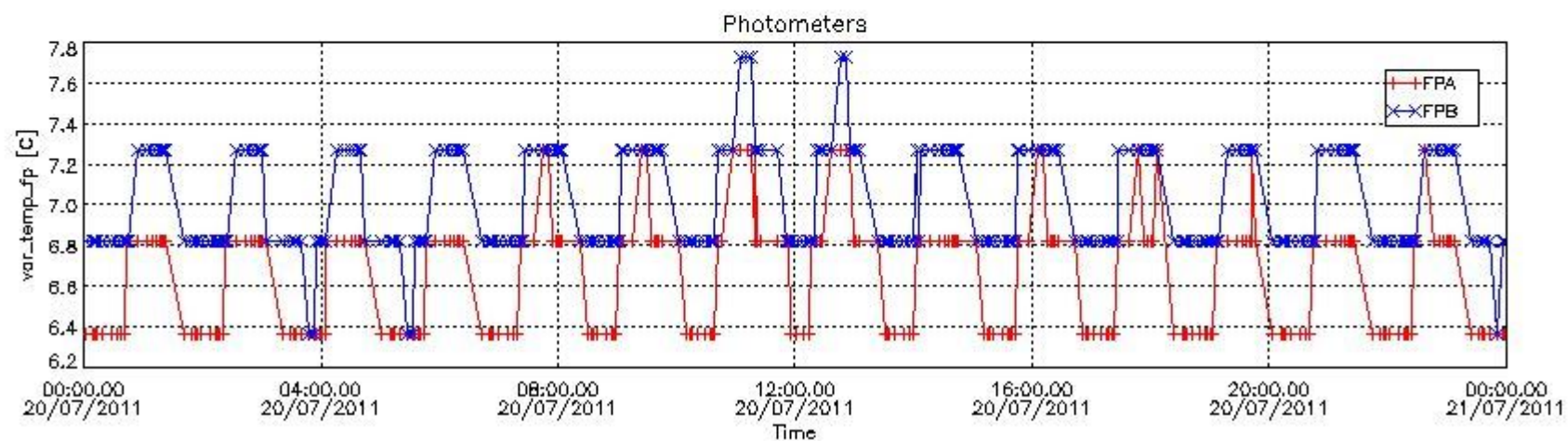
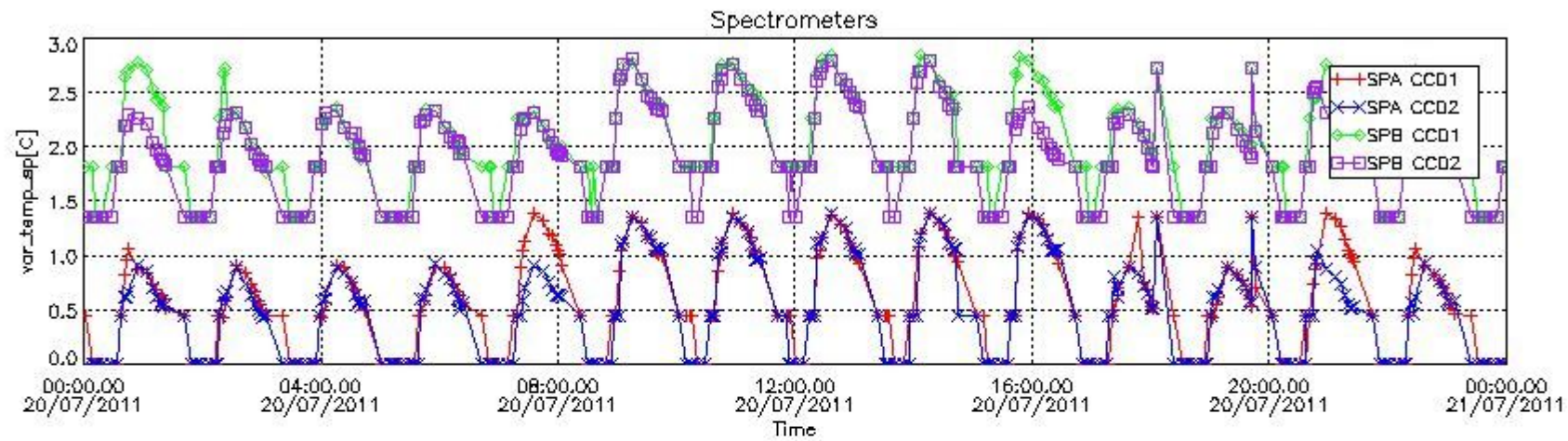
131	GOM_TRA_1PNPDK20110720_104452_000000493104_00367_49088_8157.N1	20-JUL-2011 10:44:52	Twilight	49.000	146	25Eta Tau	2.8730	15200.	98	49088	No
132	GOM_TRA_1PNPDK20110720_104628_000000403104_00367_49088_8158.N1	20-JUL-2011 10:46:28	Twilight	39.500	13	87Alp Tau	0.86700	3800.0	79	49088	No
133	GOM_TRA_1PNPDK20110720_105615_000000493104_00367_49088_8159.N1	20-JUL-2011 10:56:15	Dark	49.000	165	34Gam Eri	2.9500	3200.0	98	49088	No
134	GOM_TRA_1PNPDK20110720_110524_000000423104_00367_49088_8160.N1	20-JUL-2011 11:05:24	Dark	42.000	157	The1Eri	2.9060	9300.0	84	49088	No
135	GOM_TRA_1PNPDK20110720_111124_000000513104_00368_49089_8161.N1	20-JUL-2011 11:11:24	Dark	51.000	9	Alp Eri	0.45300	24000.	102	49089	No
136	GOM_TRA_1PNPDK20110720_111500_000000563104_00368_49089_8162.N1	20-JUL-2011 11:15:00	Dark	55.500	84	Alp Phe	2.3970	4500.0	111	49089	No
137	GOM_TRA_1PNPDK20110720_111845_000000423104_00368_49089_8163.N1	20-JUL-2011 11:18:45	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	49089	No
138	GOM_TRA_1PNPDK20110720_112020_000000553104_00368_49089_8164.N1	20-JUL-2011 11:20:20	Straylight	54.500	63	Bet Gru	2.1500	2800.0	109	49089	No
139	GOM_TRA_1PNPDK20110720_112148_000000473104_00368_49089_8165.N1	20-JUL-2011 11:21:48	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	49089	No
140	GOM_TRA_1PNPDK20110720_112459_000000513104_00368_49089_8166.N1	20-JUL-2011 11:24:59	Straylight	50.500	172	Gam Gru	3.0030	13100.	101	49089	No
141	GOM_TRA_1PNPDK20110720_114235_000000423104_00368_49089_8176.N1	20-JUL-2011 11:42:35	Bright	41.500	11	53Alp Aql	0.76500	8000.0	83	49089	No
142	GOM_TRA_1PNPDK20110720_115043_000000403104_00368_49089_8177.N1	20-JUL-2011 11:50:43	Bright	39.500	5	3Alp Lyr	0.033000	11000.	79	49089	No
143	GOM_TRA_1PNPDK20110720_115332_000000413104_00368_49089_8178.N1	20-JUL-2011 11:53:32	Bright	41.000	144	18Del Cyg	2.8600	11000.	82	49089	No
144	GOM_TRA_1PNPDK20110720_115526_000000483104_00368_49089_8179.N1	20-JUL-2011 11:55:26	Bright	48.000	19	50Alp Cyg	1.2460	10500.	96	49089	No
145	GOM_TRA_1PNPDK20110720_120034_000000423104_00368_49089_8180.N1	20-JUL-2011 12:00:34	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	49089	No
146	GOM_TRA_1PNPDK20110720_120921_000000483104_00368_49089_8181.N1	20-JUL-2011 12:09:21	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	49089	No
147	GOM_TRA_1PNPDK20110720_121449_000000643104_00368_49089_8182.N1	20-JUL-2011 12:14:49	Bright	64.000	160	23Gam Per	2.9300	4700.0	128	49089	No
148	GOM_TRA_1PNPDK20110720_121615_000000453104_00368_49089_8183.N1	20-JUL-2011 12:16:15	Bright	45.000	35	33Alp Per	1.7950	6250.0	90	49089	No
149	GOM_TRA_1PNPDK20110720_121916_000000523104_00368_49089_8184.N1	20-JUL-2011 12:19:16	Bright	52.000	79	26Bet Per	2.3100	13100.	104	49089	No
150	GOM_TRA_1PNPDK20110720_122224_000000473104_00368_49089_8185.N1	20-JUL-2011 12:22:24	Tw_i_and_stray	46.500	150	44Zet Per	2.8900	28000.	93	49089	No
151	GOM_TRA_1PNPDK20110720_122506_000000483104_00368_49089_8186.N1	20-JUL-2011 12:25:06	Twilight	47.500	146	25Eta Tau	2.8730	15200.	95	49089	No
152	GOM_TRA_1PNPDK20110720_122642_000000463104_00368_49089_8187.N1	20-JUL-2011 12:26:42	Twilight	45.500	13	87Alp Tau	0.86700	3800.0	91	49089	No
153	GOM_TRA_1PNPDK20110720_123629_000000503104_00368_49089_8188.N1	20-JUL-2011 12:36:29	Dark	50.000	165	34Gam Eri	2.9500	3200.0	100	49089	No
154	GOM_TRA_1PNPDK20110720_124539_000000423104_00368_49089_8189.N1	20-JUL-2011 12:45:39	Dark	42.000	157	The1Eri	2.9060	9300.0	84	49089	No
155	GOM_TRA_1PNPDK20110720_125139_000000433104_00369_49090_8190.N1	20-JUL-2011 12:51:39	Dark	42.500	9	Alp Eri	0.45300	24000.	85	49090	No
156	GOM_TRA_1PNPDK20110720_125515_000000553104_00369_49090_8191.N1	20-JUL-2011 12:55:15	Dark	55.000	84	Alp Phe	2.3970	4500.0	110	49090	No
157	GOM_TRA_1PNPDK20110720_125900_000000433104_00369_49090_8192.N1	20-JUL-2011 12:59:00	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	49090	No
158	GOM_TRA_1PNPDK20110720_130035_000000503104_00369_49090_8193.N1	20-JUL-2011 13:00:35	Straylight	49.500	63	Bet Gru	2.1500	2800.0	99	49090	No
159	GOM_TRA_1PNPDK20110720_130202_000000463104_00369_49090_8194.N1	20-JUL-2011 13:02:02	Straylight	46.000	31	Alp Gru	1.7340	15200.	92	49090	No
160	GOM_TRA_1PNPDK20110720_130514_000000523104_00369_49090_8195.N1	20-JUL-2011 13:05:14	Straylight	52.000	172	Gam Gru	3.0030	13100.	104	49090	No
161	GOM_TRA_1PNPDK20110720_132249_000000453104_00369_49090_8203.N1	20-JUL-2011 13:22:49	Bright	45.000	11	53Alp Aql	0.76500	8000.0	90	49090	No
162	GOM_TRA_1PNPDK20110720_133057_000000353104_00369_49090_8204.N1	20-JUL-2011 13:30:57	Bright	35.000	5	3Alp Lyr	0.033000	11000.	70	49090	No
163	GOM_TRA_1PNPDK20110720_133346_000000413104_00369_49090_8205.N1	20-JUL-2011 13:33:46	Bright	40.500	144	18Del Cyg	2.8600	11000.	81	49090	No
164	GOM_TRA_1PNPDK20110720_133540_000000493104_00369_49090_8206.N1	20-JUL-2011 13:35:40	Bright	48.500	19	50Alp Cyg	1.2460	10500.	97	49090	No
165	GOM_TRA_1PNPDK20110720_134047_000000443104_00369_49090_8207.N1	20-JUL-2011 13:40:47	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	49090	No
166	GOM_TRA_1PNPDK20110720_134934_000000483104_00369_49090_8208.N1	20-JUL-2011 13:49:34	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	49090	No
167	GOM_TRA_1PNPDK20110720_135503_000000443104_00369_49090_8209.N1	20-JUL-2011 13:55:03	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	49090	No
168	GOM_TRA_1PNPDK20110720_135629_000000443104_00369_49090_8210.N1	20-JUL-2011 13:56:29	Bright	44.000	35	33Alp Per	1.7950	6250.0	88	49090	No
169	GOM_TRA_1PNPDK20110720_135955_000000403104_00369_49090_8211.N1	20-JUL-2011 13:59:55	Bright	39.500	149	45Eps Per	2.8880	30000.	79	49090	No
170	GOM_TRA_1PNPDK20110720_140238_000000493104_00369_49090_8212.N1	20-JUL-2011 14:02:38	Tw_i_and_stray	49.000	150	44Zet Per	2.8900	28000.	98	49090	No
171	GOM_TRA_1PNPDK20110720_140521_000000493104_00369_49090_8213.N1	20-JUL-2011 14:05:21	Twilight	48.500	146	25Eta Tau	2.8730	15200.	97	49090	No
172	GOM_TRA_1PNPDK20110720_140656_000000573104_00369_49090_8214.N1	20-JUL-2011 14:06:56	Twilight	57.000	13	87Alp Tau	0.86700	3800.0	114	49090	No
173	GOM_TRA_1PNPDK20110720_141644_000000493104_00369_49090_8215.N1	20-JUL-2011 14:16:44	Dark	49.000	165	34Gam Eri	2.9500	3200.0	98	49090	No
174	GOM_TRA_1PNPDK20110720_142553_000000443104_00369_49090_8216.N1	20-JUL-2011 14:25:53	Dark	43.500	157	The1Eri	2.9060	9300.0	87	49090	No
175	GOM_TRA_1PNPDK20110720_143154_000000453104_00370_49091_8217.N1	20-JUL-2011 14:31:54	Dark	44.500	9	Alp Eri	0.45300	24000.	89	49091	No
176	GOM_TRA_1PNPDK20110720_143530_000000563104_00370_49091_8218.N1	20-JUL-2011 14:35:30	Dark	56.000	84	Alp Phe	2.3970	4500.0	112	49091	No
177	GOM_TRA_1PNPDK20110720_143914_000000413104_00370_49091_8219.N1	20-JUL-2011 14:39:14	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	49091	No
178	GOM_TRA_1PNPDK20110720_144050_000000493104_00370_49091_8220.N1	20-JUL-2011 14:40:50	Straylight	49.000	63	Bet Gru	2.1500	2800.0	98	49091	No
179	GOM_TRA_1PNPDK20110720_144217_000000473104_00370_49091_8221.N1	20-JUL-2011 14:42:17	Straylight	46.500	31	Alp Gru	1.7340	15200.	93	49091	No
180	GOM_TRA_1PNPDK20110720_144529_000000503104_00370_49091_8222.N1	20-JUL-2011 14:45:29	Straylight	50.000	172	Gam Gru	3.0030	13100.	100	49091	No
181	GOM_TRA_1PNPDK20110720_150303_000000453104_00370_49091_8311.N1	20-JUL-2011 15:03:03	Bright	44.500	11	53Alp Aql	0.76500	8000.0	89	49091	No
182	GOM_TRA_1PNPDK20110720_151111_000000363104_00370_49091_8312.N1	20-JUL-2011 15:11:11	Bright	35.500	5	3Alp Lyr	0.033000	11000.	71	49091	No
183	GOM_TRA_1PNPDK20110720_151359_000000413104_00370_49091_8313.N1	20-JUL-2011 15:13:59	Bright	41.000	144	18Del Cyg	2.8600	11000.	82	49091	No
184	GOM_TRA_1PNPDK20110720_151553_000000473104_00370_49091_8314.N1	20-JUL-2011 15:15:53	Bright	47.000	19	50Alp Cyg	1.2460	10500.	94	49091	No
185	GOM_TRA_1PNPDK20110720_152101_000000433104_00370_49091_8315.N1	20-JUL-2011 15:21:01	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	49091	No
186	GOM_TRA_1PNPDK20110720_152947_000000543104_00370_49091_8316.N1	20-JUL-2011 15:29:47	Bright	54.000	76	27Gam Cas	2.3000	30000.	108	49091	No
187	GOM_TRA_1PNPDK20110720_153516_000000453104_00370_49091_8317.N1	20-JUL-2011 15:35:16	Bright	45.000	160	23Gam Per	2.9300	4700.0	90	49091	No
188	GOM_TRA_1PNPDK20110720_153643_000000523104_00370_49091_8318.N1	20-JUL-2011 15:36:43	Bright	52.000	35	33Alp Per	1.7950	6250.0	104	49091	No
189	GOM_TRA_1PNPDK20110720_154009_000000383104_00370_49091_8319.N1	20-JUL-2011 15:40:09	Bright	38.000	149	45Eps Per	2.8880	30000.	76	49091	No

190	GOM_TRA_1PNPDK20110720_154252_000000493104_00370_49091_8320.N1	20-JUL-2011 15:42:52	Twilight	48.500	150	44Zet Per	2.8900	28000.	97	49091	No
191	GOM_TRA_1PNPDK20110720_154535_000000493104_00370_49091_8321.N1	20-JUL-2011 15:45:35	Twilight	48.500	146	25Eta Tau	2.8730	15200.	97	49091	No
192	GOM_TRA_1PNPDK20110720_154711_000000493104_00370_49091_8322.N1	20-JUL-2011 15:47:11	Twilight	49.000	13	87Alp Tau	0.86700	3800.0	98	49091	No
193	GOM_TRA_1PNPDK20110720_155658_000000453104_00370_49091_8323.N1	20-JUL-2011 15:56:58	Dark	45.000	165	34Gam Eri	2.9500	3200.0	90	49091	No
194	GOM_TRA_1PNPDK20110720_160608_000000433104_00370_49091_8324.N1	20-JUL-2011 16:06:08	Dark	42.500	157	The1Eri	2.9060	9300.0	85	49091	No
195	GOM_TRA_1PNPDK20110720_161208_000000503104_00371_49092_8325.N1	20-JUL-2011 16:12:08	Dark	49.500	9	Alp Eri	0.45300	24000.	99	49092	No
196	GOM_TRA_1PNPDK20110720_161545_000000533104_00371_49092_8326.N1	20-JUL-2011 16:15:45	Dark	52.500	84	Alp Phe	2.3970	4500.0	105	49092	No
197	GOM_TRA_1PNPDK20110720_161929_000000413104_00371_49092_8327.N1	20-JUL-2011 16:19:29	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	49092	No
198	GOM_TRA_1PNPDK20110720_162104_000000543104_00371_49092_8328.N1	20-JUL-2011 16:21:04	Straylight	53.500	63	Bet Gru	2.1500	2800.0	107	49092	No
199	GOM_TRA_1PNPDK20110720_162231_000000463104_00371_49092_8329.N1	20-JUL-2011 16:22:31	Straylight	45.500	31	Alp Gru	1.7340	15200.	91	49092	No
200	GOM_TRA_1PNPDK20110720_162543_000000493104_00371_49092_8330.N1	20-JUL-2011 16:25:43	Straylight	48.500	172	Gam Gru	3.0030	13100.	97	49092	No
201	GOM_TRA_1PNPDK20110720_164317_000000423104_00371_49092_8357.N1	20-JUL-2011 16:43:17	Bright	42.000	11	53Alp Aql	0.76500	8000.0	84	49092	No
202	GOM_TRA_1PNPDK20110720_165125_000000373104_00371_49092_8358.N1	20-JUL-2011 16:51:25	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	49092	No
203	GOM_TRA_1PNPDK20110720_165413_000000413104_00371_49092_8359.N1	20-JUL-2011 16:54:13	Bright	41.000	144	18Del Cyg	2.8600	11000.	82	49092	No
204	GOM_TRA_1PNPDK20110720_165606_000000483104_00371_49092_8360.N1	20-JUL-2011 16:56:06	Bright	48.000	19	50Alp Cyg	1.2460	10500.	96	49092	No
205	GOM_TRA_1PNPDK20110720_170114_000000433104_00371_49092_8361.N1	20-JUL-2011 17:01:14	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	49092	No
206	GOM_TRA_1PNPDK20110720_171001_000000513104_00371_49092_8362.N1	20-JUL-2011 17:10:01	Bright	50.500	76	27Gam Cas	2.3000	30000.	101	49092	No
207	GOM_TRA_1PNPDK20110720_171530_000000423104_00371_49092_8363.N1	20-JUL-2011 17:15:30	Bright	42.000	160	23Gam Per	2.9300	4700.0	84	49092	No
208	GOM_TRA_1PNPDK20110720_171657_000000613104_00371_49092_8364.N1	20-JUL-2011 17:16:57	Bright	60.500	35	33Alp Per	1.7950	6250.0	121	49092	No
209	GOM_TRA_1PNPDK20110720_172023_000000393104_00371_49092_8365.N1	20-JUL-2011 17:20:23	Bright	38.500	149	45Eps Per	2.8880	30000.	77	49092	No
210	GOM_TRA_1PNPDK20110720_172306_000000453104_00371_49092_8366.N1	20-JUL-2011 17:23:06	Twilight	44.500	150	44Zet Per	2.8900	28000.	89	49092	No
211	GOM_TRA_1PNPDK20110720_172549_000000473104_00371_49092_8367.N1	20-JUL-2011 17:25:49	Twilight	47.000	146	25Eta Tau	2.8730	15200.	94	49092	No
212	GOM_TRA_1PNPDK20110720_172725_000000503104_00371_49092_8368.N1	20-JUL-2011 17:27:25	Twilight	50.000	13	87Alp Tau	0.86700	3800.0	100	49092	No
213	GOM_TRA_1PNPDK20110720_173713_000000493104_00371_49092_8369.N1	20-JUL-2011 17:37:13	Dark	48.500	165	34Gam Eri	2.9500	3200.0	97	49092	No
214	GOM_TRA_1PNPDK20110720_174623_000000443104_00371_49092_8370.N1	20-JUL-2011 17:46:23	Dark	43.500	157	The1Eri	2.9060	9300.0	87	49092	No
215	GOM_TRA_1PNPDK20110720_175223_000000453104_00372_49093_8371.N1	20-JUL-2011 17:52:23	Dark	44.500	9	Alp Eri	0.45300	24000.	89	49093	No
216	GOM_TRA_1PNPDK20110720_175601_000000563104_00372_49093_8372.N1	20-JUL-2011 17:56:01	Dark	56.000	84	Alp Phe	2.3970	4500.0	112	49093	No
217	GOM_TRA_1PNPDK20110720_175943_000000403104_00372_49093_8373.N1	20-JUL-2011 17:59:43	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	49093	No
218	GOM_TRA_1PNPDK20110720_180119_000000493104_00372_49093_8374.N1	20-JUL-2011 18:01:19	Straylight	48.500	63	Bet Gru	2.1500	2800.0	97	49093	No
219	GOM_TRA_1PNPDK20110720_180246_000000463104_00372_49093_8375.N1	20-JUL-2011 18:02:46	Straylight	45.500	31	Alp Gru	1.7340	15200.	91	49093	No
220	GOM_TRA_1PNPDK20110720_180558_000000483104_00372_49093_8390.N1	20-JUL-2011 18:05:58	Straylight	48.000	172	Gam Gru	3.0030	13100.	96	49093	No
221	GOM_TRA_1PNPDK20110720_182331_000000443104_00372_49093_8391.N1	20-JUL-2011 18:23:31	Bright	44.000	11	53Alp Aql	0.76500	8000.0	88	49093	No
222	GOM_TRA_1PNPDK20110720_183139_000000363104_00372_49093_8392.N1	20-JUL-2011 18:31:39	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	49093	No
223	GOM_TRA_1PNPDK20110720_183427_000000403104_00372_49093_8393.N1	20-JUL-2011 18:34:27	Bright	39.500	144	18Del Cyg	2.8600	11000.	79	49093	No
224	GOM_TRA_1PNPDK20110720_183620_000000483104_00372_49093_8394.N1	20-JUL-2011 18:36:20	Bright	48.000	19	50Alp Cyg	1.2460	10500.	96	49093	No
225	GOM_TRA_1PNPDK20110720_184128_000000433104_00372_49093_8395.N1	20-JUL-2011 18:41:28	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	49093	No
226	GOM_TRA_1PNPDK20110720_185014_000000493104_00372_49093_8396.N1	20-JUL-2011 18:50:14	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	49093	No
227	GOM_TRA_1PNPDK20110720_185544_000000473104_00372_49093_8397.N1	20-JUL-2011 18:55:44	Bright	47.000	160	23Gam Per	2.9300	4700.0	94	49093	No
228	GOM_TRA_1PNPDK20110720_185711_000000453104_00372_49093_8398.N1	20-JUL-2011 18:57:11	Bright	45.000	35	33Alp Per	1.7950	6250.0	90	49093	No
229	GOM_TRA_1PNPDK20110720_190037_000000613104_00372_49093_8399.N1	20-JUL-2011 19:00:37	Bright	61.000	149	45Eps Per	2.8880	30000.	122	49093	No
230	GOM_TRA_1PNPDK20110720_190320_000000483104_00372_49093_8400.N1	20-JUL-2011 19:03:20	Twilight	48.000	150	44Zet Per	2.8900	28000.	96	49093	No
231	GOM_TRA_1PNPDK20110720_190604_000000473104_00372_49093_8401.N1	20-JUL-2011 19:06:04	Twilight	46.500	146	25Eta Tau	2.8730	15200.	93	49093	No
232	GOM_TRA_1PNPDK20110720_190739_000000483104_00372_49093_8402.N1	20-JUL-2011 19:07:39	Twilight	47.500	13	87Alp Tau	0.86700	3800.0	95	49093	No
233	GOM_TRA_1PNPDK20110720_191728_000000493104_00372_49093_8403.N1	20-JUL-2011 19:17:28	Dark	48.500	165	34Gam Eri	2.9500	3200.0	97	49093	No
234	GOM_TRA_1PNPDK20110720_192638_000000433104_00372_49093_8404.N1	20-JUL-2011 19:26:38	Dark	43.000	157	The1Eri	2.9060	9300.0	86	49093	No
235	GOM_TRA_1PNPDK20110720_193238_000000493104_00373_49094_8405.N1	20-JUL-2011 19:32:38	Dark	49.000	9	Alp Eri	0.45300	24000.	98	49094	No
236	GOM_TRA_1PNPDK20110720_193616_000000553104_00373_49094_8406.N1	20-JUL-2011 19:36:16	Dark	54.500	84	Alp Phe	2.3970	4500.0	109	49094	No
237	GOM_TRA_1PNPDK20110720_193958_000000403104_00373_49094_8407.N1	20-JUL-2011 19:39:58	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	49094	No
238	GOM_TRA_1PNPDK20110720_194134_000000623104_00373_49094_8408.N1	20-JUL-2011 19:41:34	Straylight	62.000	63	Bet Gru	2.1500	2800.0	124	49094	No
239	GOM_TRA_1PNPDE20110720_194301_000000473104_00373_49094_5544.N1	20-JUL-2011 19:43:01	Straylight	46.500	31	Alp Gru	1.7340	15200.	93	49094	Yes
240	GOM_TRA_1PNPDE20110720_194613_000000493104_00373_49094_5545.N1	20-JUL-2011 19:46:13	Straylight	48.500	172	Gam Gru	3.0030	13100.	97	49094	No
241	GOM_TRA_1PNPDE20110720_200344_000000423104_00373_49094_5546.N1	20-JUL-2011 20:03:44	Bright	41.500	11	53Alp Aql	0.76500	8000.0	83	49094	No
242	GOM_TRA_1PNPDE20110720_201153_000000363104_00373_49094_5547.N1	20-JUL-2011 20:11:53	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	49094	No
243	GOM_TRA_1PNPDE20110720_201440_000000413104_00373_49094_5548.N1	20-JUL-2011 20:14:40	Bright	41.000	144	18Del Cyg	2.8600	11000.	82	49094	No
244	GOM_TRA_1PNPDE20110720_201633_000000483104_00373_49094_5549.N1	20-JUL-2011 20:16:33	Bright	48.000	19	50Alp Cyg	1.2460	10500.	96	49094	No
245	GOM_TRA_1PNPDE20110720_202141_000000443104_00373_49094_5550.N1	20-JUL-2011 20:21:41	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	49094	No
246	GOM_TRA_1PNPDE20110720_203027_000000503104_00373_49094_5551.N1	20-JUL-2011 20:30:27	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	49094	No
247	GOM_TRA_1PNPDE20110720_203558_000000643104_00373_49094_5552.N1	20-JUL-2011 20:35:58	Bright	64.000	160	23Gam Per	2.9300	4700.0	128	49094	No
248	GOM_TRA_1PNPDE20110720_203725_000000623104_00373_49094_5553.N1	20-JUL-2011 20:37:25	Bright	61.500	35	33Alp Per	1.7950	6250.0	123	49094	No



249	GOM_TRA_1PNPDE20110720_204051_000000483104_00373_49094_5554.N1	20-JUL-2011 20:40:51	Bright	48.000	149	45Eps Per	2.8880	30000.	96	49094	No
250	GOM_TRA_1PNPDE20110720_204334_000000453104_00373_49094_5555.N1	20-JUL-2011 20:43:34	Twilight	45.000	150	44Zet Per	2.8900	28000.	90	49094	No
251	GOM_TRA_1PNPDE20110720_204618_000000503104_00373_49094_5556.N1	20-JUL-2011 20:46:18	Twilight	49.500	146	25Eta Tau	2.8730	15200.	99	49094	No
252	GOM_TRA_1PNPDE20110720_204754_000000453104_00373_49094_5557.N1	20-JUL-2011 20:47:54	Twilight	45.000	13	87Alp Tau	0.86700	3800.0	90	49094	No
253	GOM_TRA_1PNPDE20110720_205742_000000503104_00373_49094_5577.N1	20-JUL-2011 20:57:42	Dark	49.500	165	34Gam Eri	2.9500	3200.0	99	49094	No
254	GOM_TRA_1PNPDE20110720_210652_000000453104_00373_49094_5578.N1	20-JUL-2011 21:06:52	Dark	44.500	157	The1Eri	2.9060	9300.0	89	49094	No
255	GOM_TRA_1PNPDE20110720_211252_000000473104_00374_49095_5579.N1	20-JUL-2011 21:12:52	Dark	46.500	9	Alp Eri	0.45300	24000.	93	49095	No
256	GOM_TRA_1PNPDE20110720_211631_000000553104_00374_49095_5580.N1	20-JUL-2011 21:16:31	Dark	54.500	84	Alp Phe	2.3970	4500.0	109	49095	No
257	GOM_TRA_1PNPDE20110720_212012_000000403104_00374_49095_5581.N1	20-JUL-2011 21:20:12	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	49095	No
258	GOM_TRA_1PNPDE20110720_212149_000000613104_00374_49095_5582.N1	20-JUL-2011 21:21:49	Straylight	60.500	63	Bet Gru	2.1500	2800.0	121	49095	No
259	GOM_TRA_1PNPDE20110720_212315_000000463104_00374_49095_5583.N1	20-JUL-2011 21:23:15	Straylight	46.000	31	Alp Gru	1.7340	15200.	92	49095	No
260	GOM_TRA_1PNPDE20110720_212627_000000493104_00374_49095_5584.N1	20-JUL-2011 21:26:27	Straylight	49.000	172	Gam Gru	3.0030	13100.	98	49095	No
261	GOM_TRA_1PNPDE20110720_214358_000000423104_00374_49095_5585.N1	20-JUL-2011 21:43:58	Bright	42.000	11	53Alp Aql	0.76500	8000.0	84	49095	No
262	GOM_TRA_1PNPDE20110720_215207_000000353104_00374_49095_5586.N1	20-JUL-2011 21:52:07	Bright	35.000	5	3Alp Lyr	0.033000	11000.	70	49095	No
263	GOM_TRA_1PNPDE20110720_215454_000000413104_00374_49095_5587.N1	20-JUL-2011 21:54:54	Bright	41.000	144	18Del Cyg	2.8600	11000.	82	49095	No
264	GOM_TRA_1PNPDE20110720_215646_000000523104_00374_49095_5588.N1	20-JUL-2011 21:56:46	Bright	52.000	19	50Alp Cyg	1.2460	10500.	104	49095	No
265	GOM_TRA_1PNPDE20110720_220155_000000443104_00374_49095_5589.N1	20-JUL-2011 22:01:55	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	49095	No
266	GOM_TRA_1PNPDE20110720_221041_000000713104_00374_49095_5590.N1	20-JUL-2011 22:10:41	Bright	71.000	76	27Gam Cas	2.3000	30000.	142	49095	No
267	GOM_TRA_1PNPDE20110720_221612_000000643104_00374_49095_5591.N1	20-JUL-2011 22:16:12	Bright	64.000	160	23Gam Per	2.9300	4700.0	128	49095	No
268	GOM_TRA_1PNPDE20110720_221738_000000483104_00374_49095_5592.N1	20-JUL-2011 22:17:38	Bright	48.000	35	33Alp Per	1.7950	6250.0	96	49095	No
269	GOM_TRA_1PNPDE20110720_222105_000000513104_00374_49095_5593.N1	20-JUL-2011 22:21:05	Bright	51.000	149	45Eps Per	2.8880	30000.	102	49095	No
270	GOM_TRA_1PNPDE20110720_222348_000000473104_00374_49095_5594.N1	20-JUL-2011 22:23:48	Twilight	46.500	150	44Zet Per	2.8900	28000.	93	49095	No
271	GOM_TRA_1PNPDE20110720_222632_000000513104_00374_49095_5595.N1	20-JUL-2011 22:26:32	Twilight	50.500	146	25Eta Tau	2.8730	15200.	101	49095	No
272	GOM_TRA_1PNPDE20110720_222808_000000473104_00374_49095_5596.N1	20-JUL-2011 22:28:08	Twilight	46.500	13	87Alp Tau	0.86700	3800.0	93	49095	No
273	GOM_TRA_1PNPDE20110720_223757_000000483104_00374_49095_5613.N1	20-JUL-2011 22:37:57	Dark	48.000	165	34Gam Eri	2.9500	3200.0	96	49095	No
274	GOM_TRA_1PNPDE20110720_224707_000000443104_00374_49095_5614.N1	20-JUL-2011 22:47:07	Dark	43.500	157	The1Eri	2.9060	9300.0	87	49095	No
275	GOM_TRA_1PNPDE20110720_225307_000000523104_00375_49096_5615.N1	20-JUL-2011 22:53:07	Dark	51.500	9	Alp Eri	0.45300	24000.	103	49096	No
276	GOM_TRA_1PNPDE20110720_225646_000000543104_00375_49096_5616.N1	20-JUL-2011 22:56:46	Dark	53.500	84	Alp Phe	2.3970	4500.0	107	49096	No
277	GOM_TRA_1PNPDE20110720_230026_000000403104_00375_49096_5617.N1	20-JUL-2011 23:00:26	Straylight	39.500	148	Alp Tuc	2.8780	4100.0	79	49096	No
278	GOM_TRA_1PNPDE20110720_230203_000000613104_00375_49096_5618.N1	20-JUL-2011 23:02:03	Straylight	61.000	63	Bet Gru	2.1500	2800.0	122	49096	No
279	GOM_TRA_1PNPDE20110720_230330_000000453104_00375_49096_5619.N1	20-JUL-2011 23:03:30	Straylight	45.000	31	Alp Gru	1.7340	15200.	90	49096	No
280	GOM_TRA_1PNPDE20110720_230642_000000483104_00375_49096_5620.N1	20-JUL-2011 23:06:42	Straylight	48.000	172	Gam Gru	3.0030	13100.	96	49096	No
281	GOM_TRA_1PNPDE20110720_232412_000000423104_00375_49096_5621.N1	20-JUL-2011 23:24:12	Bright	41.500	11	53Alp Aql	0.76500	8000.0	83	49096	No
282	GOM_TRA_1PNPDE20110720_233220_000000393104_00375_49096_5622.N1	20-JUL-2011 23:32:20	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	49096	No
283	GOM_TRA_1PNPDE20110720_233507_000000403104_00375_49096_5623.N1	20-JUL-2011 23:35:07	Bright	39.500	144	18Del Cyg	2.8600	11000.	79	49096	No
284	GOM_TRA_1PNPDE20110720_233659_000000433104_00375_49096_5624.N1	20-JUL-2011 23:36:59	Bright	42.500	19	50Alp Cyg	1.2460	10500.	85	49096	No
285	GOM_TRA_1PNPDE20110720_234208_000000443104_00375_49096_5625.N1	20-JUL-2011 23:42:08	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	49096	No
286	GOM_TRA_1PNPDE20110720_235054_000000503104_00375_49096_5626.N1	20-JUL-2011 23:50:54	Bright	50.000	76	27Gam Cas	2.3000	30000.	100	49096	No
287	GOM_TRA_1PNPDE20110720_235625_000000443104_00375_49096_5627.N1	20-JUL-2011 23:56:25	Bright	44.000	160	23Gam Per	2.9300	4700.0	88	49096	No
288	GOM_TRA_1PNPDE20110720_235752_000000633104_00375_49096_5628.N1	20-JUL-2011 23:57:52	Bright	63.000	35	33Alp Per	1.7950	6250.0	126	49096	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).

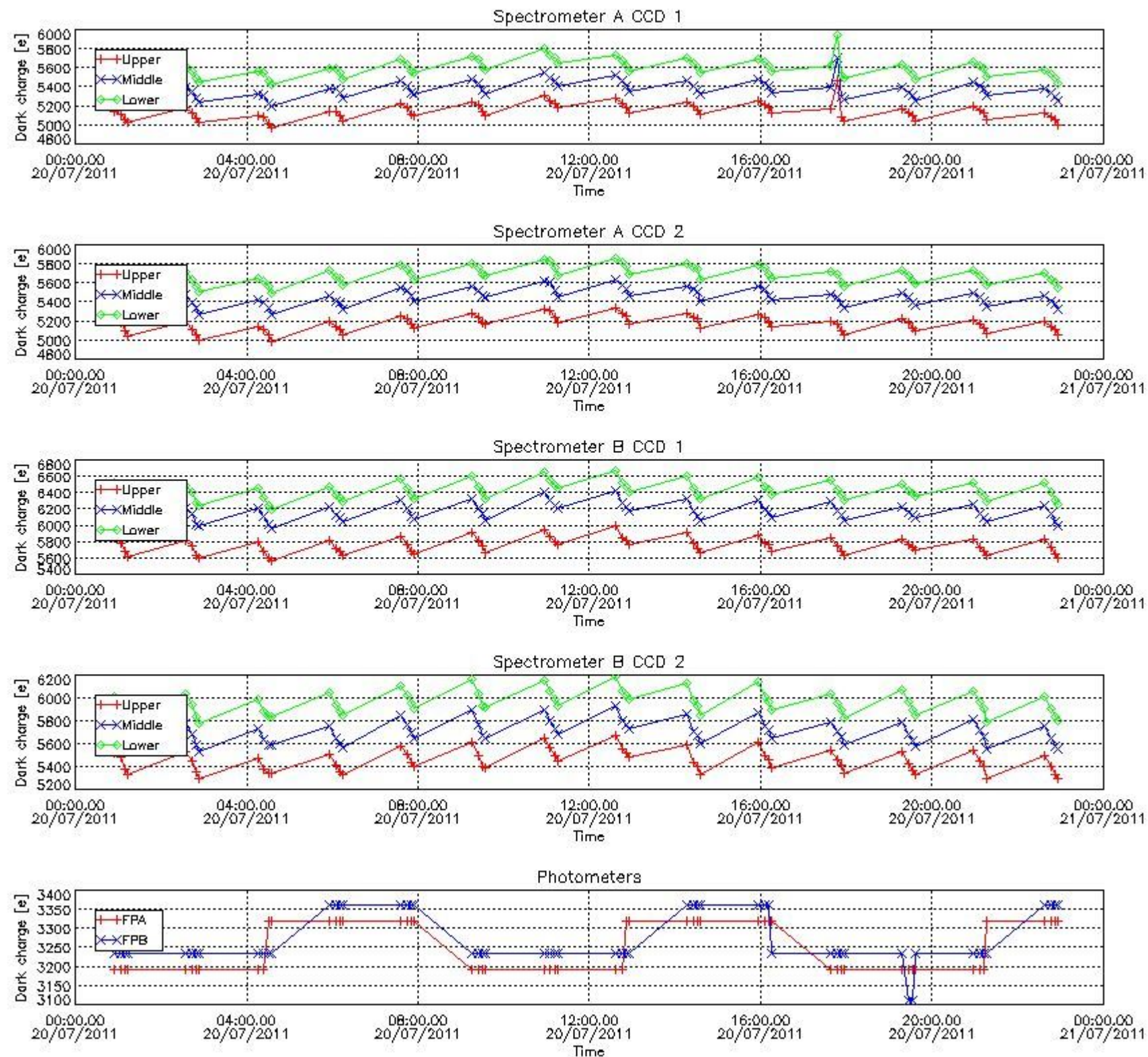
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110720_194301_000000473104_00373_49094_5544.N1	DC map with no T dep.
GOM_TRA_1PNPDE20110720_194613_000000493104_00373_49094_5545.N1	DC map used
GOM_TRA_1PNPDE20110720_200344_000000423104_00373_49094_5546.N1	DC map used
GOM_TRA_1PNPDE20110720_201153_000000363104_00373_49094_5547.N1	DC map used
GOM_TRA_1PNPDE20110720_201440_000000413104_00373_49094_5548.N1	DC map used
GOM_TRA_1PNPDE20110720_201633_000000483104_00373_49094_5549.N1	DC map used
GOM_TRA_1PNPDE20110720_202141_000000443104_00373_49094_5550.N1	DC map used
GOM_TRA_1PNPDE20110720_203027_000000503104_00373_49094_5551.N1	DC map used
GOM_TRA_1PNPDE20110720_203558_000000643104_00373_49094_5552.N1	DC map used
GOM_TRA_1PNPDE20110720_203725_000000623104_00373_49094_5553.N1	DC map used
GOM_TRA_1PNPDE20110720_204051_000000483104_00373_49094_5554.N1	DC map used
GOM_TRA_1PNPDE20110720_204334_000000453104_00373_49094_5555.N1	DC map used
GOM_TRA_1PNPDE20110720_204618_000000503104_00373_49094_5556.N1	DC map used
GOM_TRA_1PNPDE20110720_204754_000000453104_00373_49094_5557.N1	DC map used



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



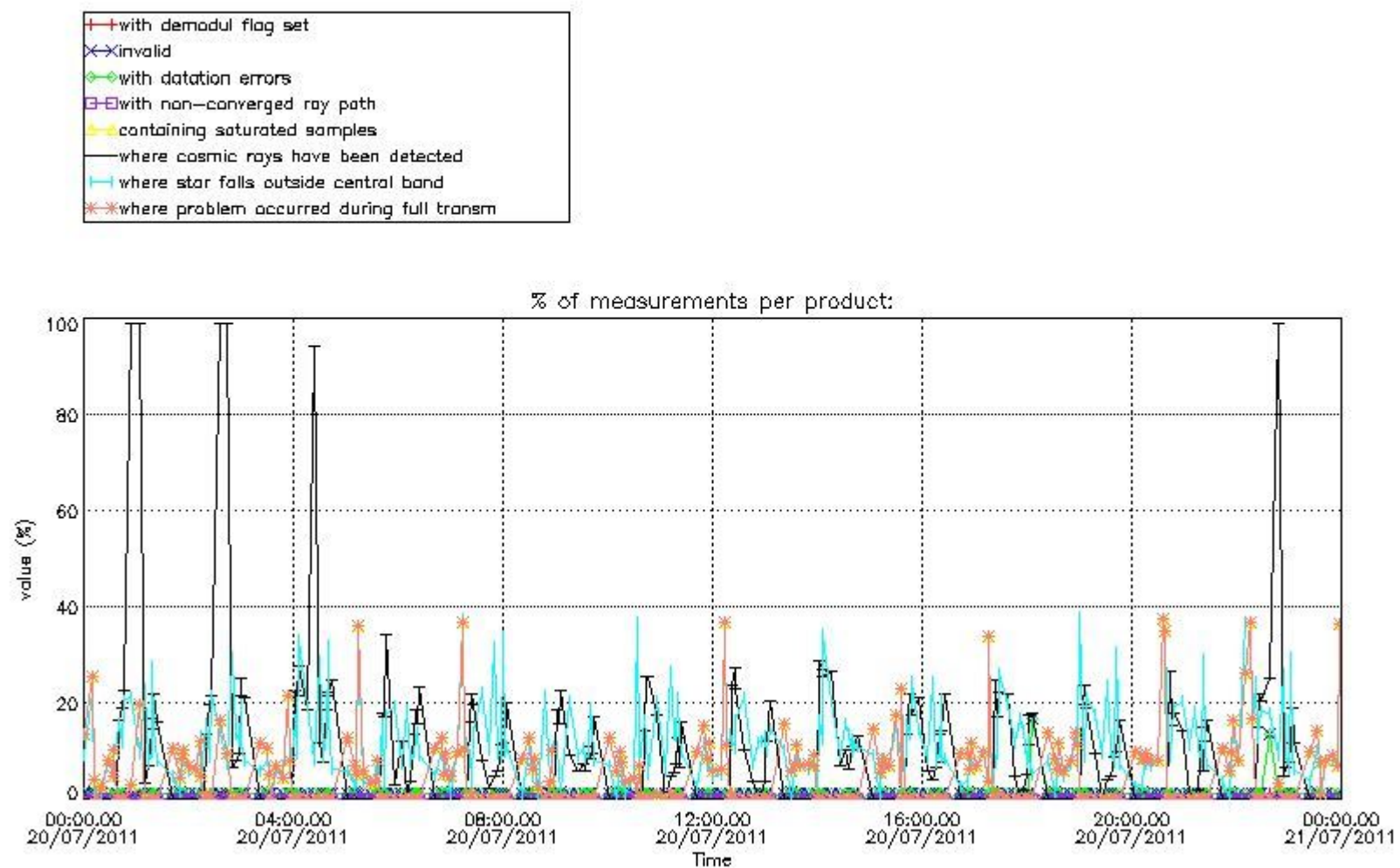
#### 5. Demodulation flag and quality information monitoring

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:

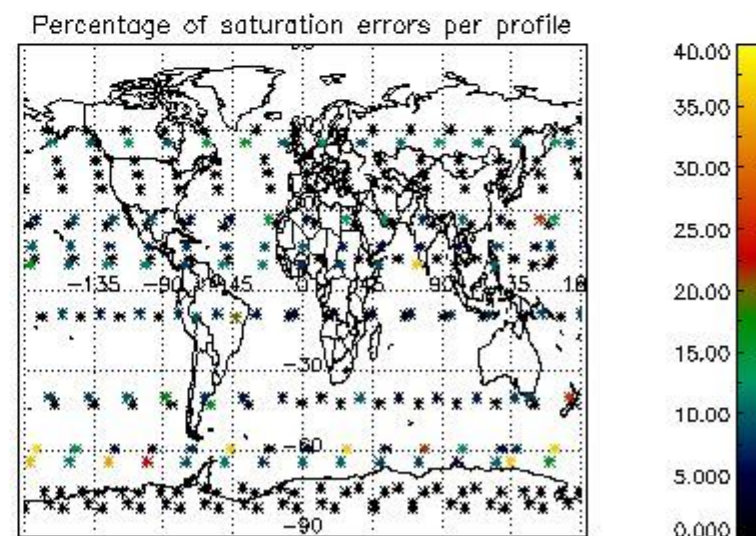
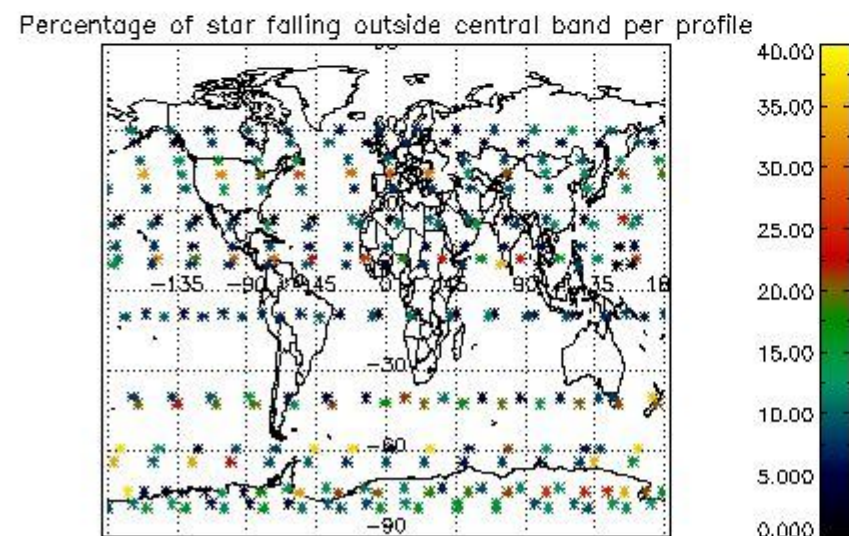
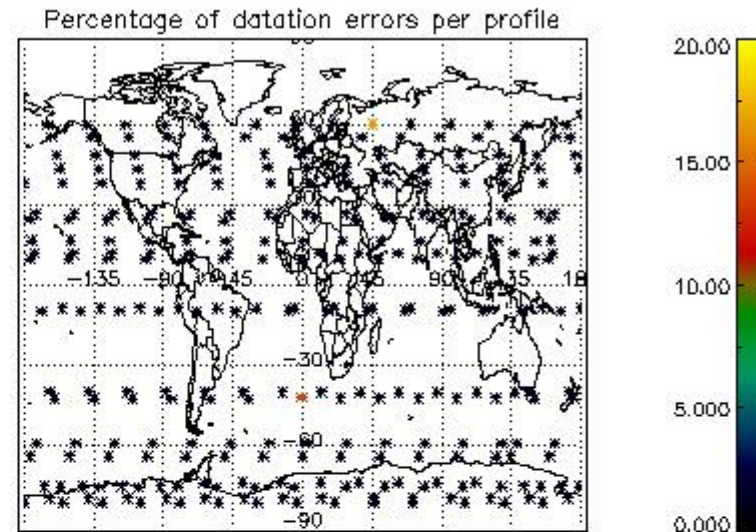
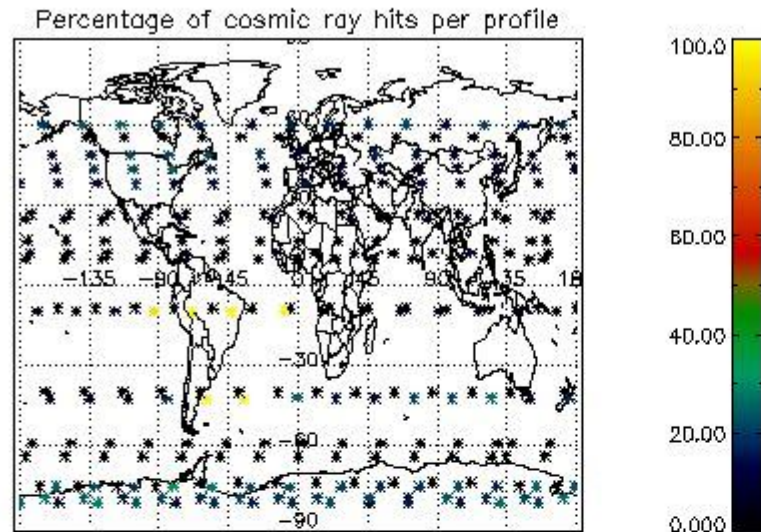
At least one measurement with demodulation flag set:	49.8258 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	46.6899 %

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)

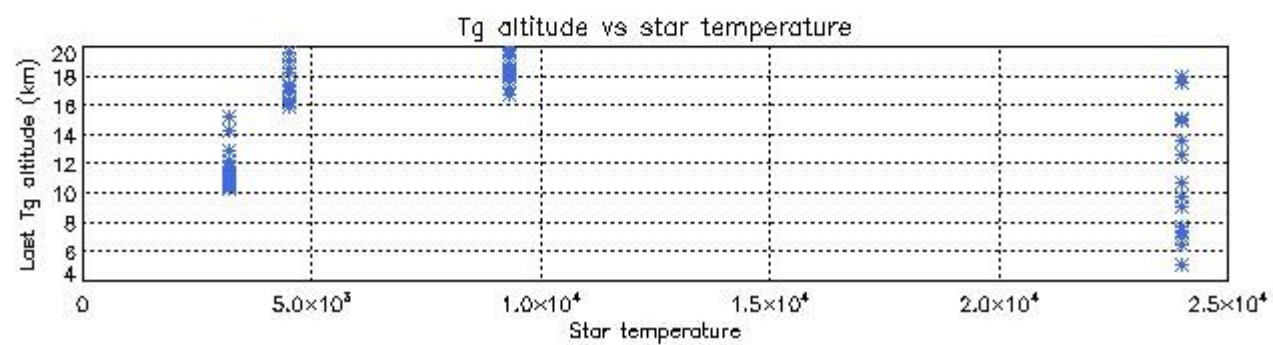
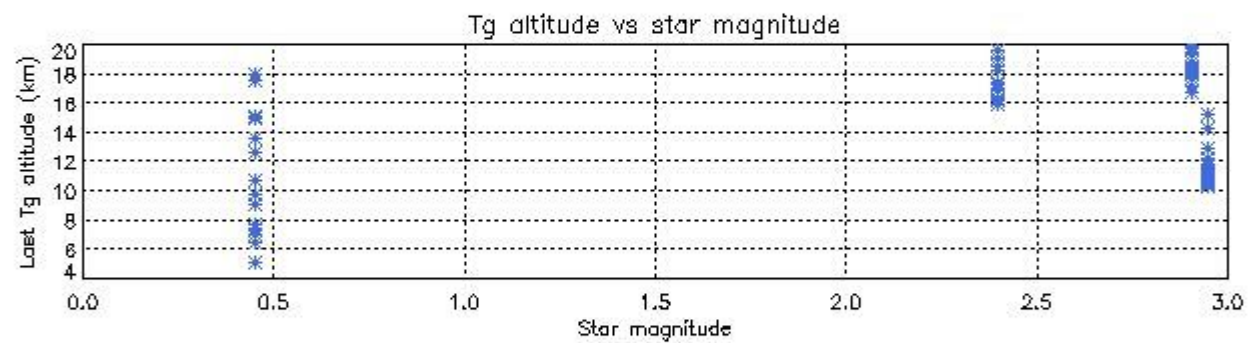
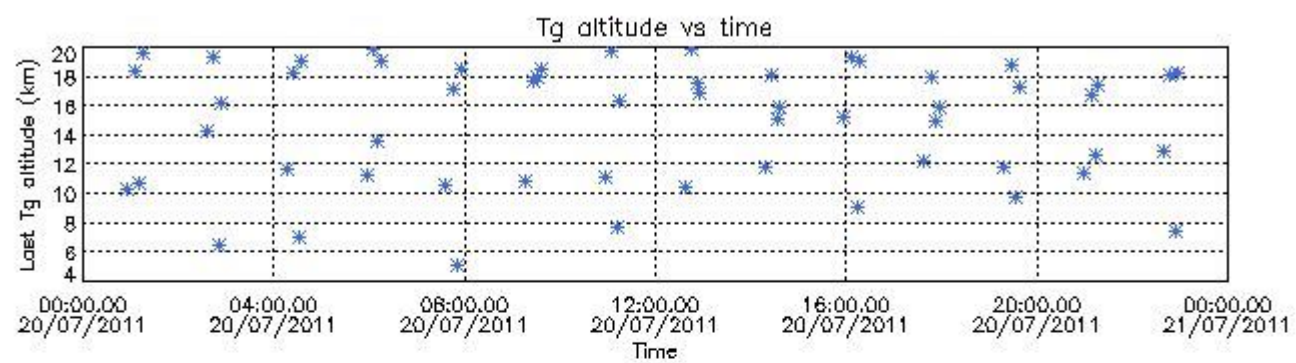
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.779	19.276	14.469
St. deviation:	4.0961	5.6762	4.6215
Maximum:	19.878	29.117	22.411
Minimum:	5.1380	2.4545	3.8837
Number of data:	56.000	134.00	28.000

### 6.2 Plot for DARK limb products

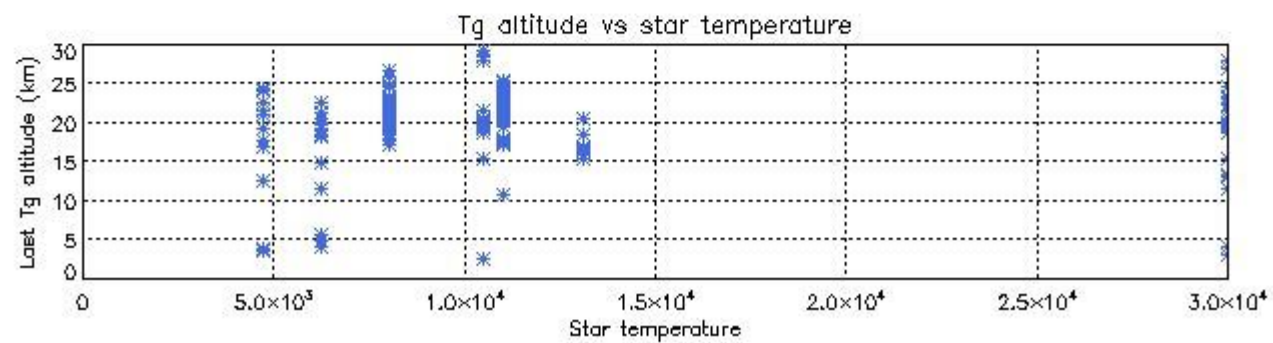
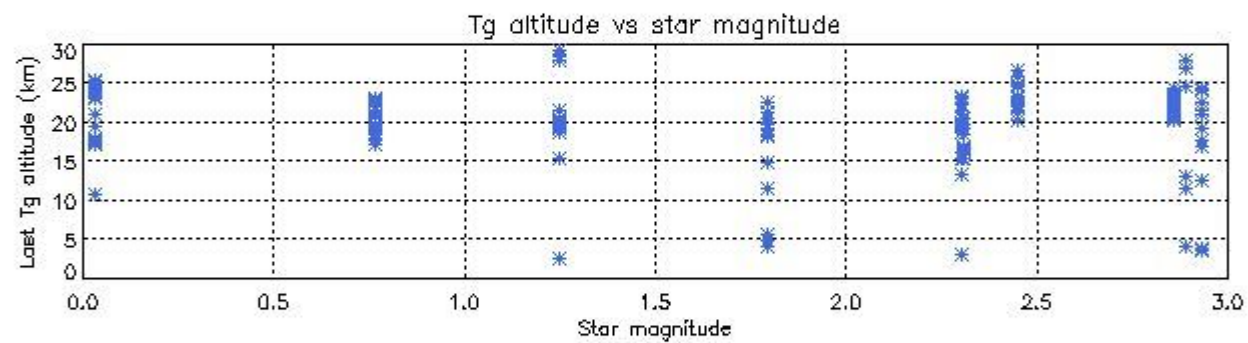
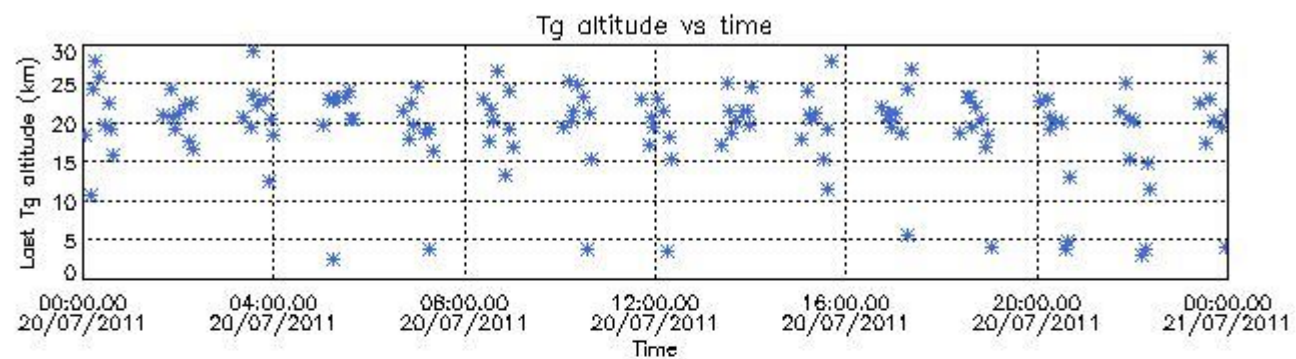


Tangent altitude at which the star is lost



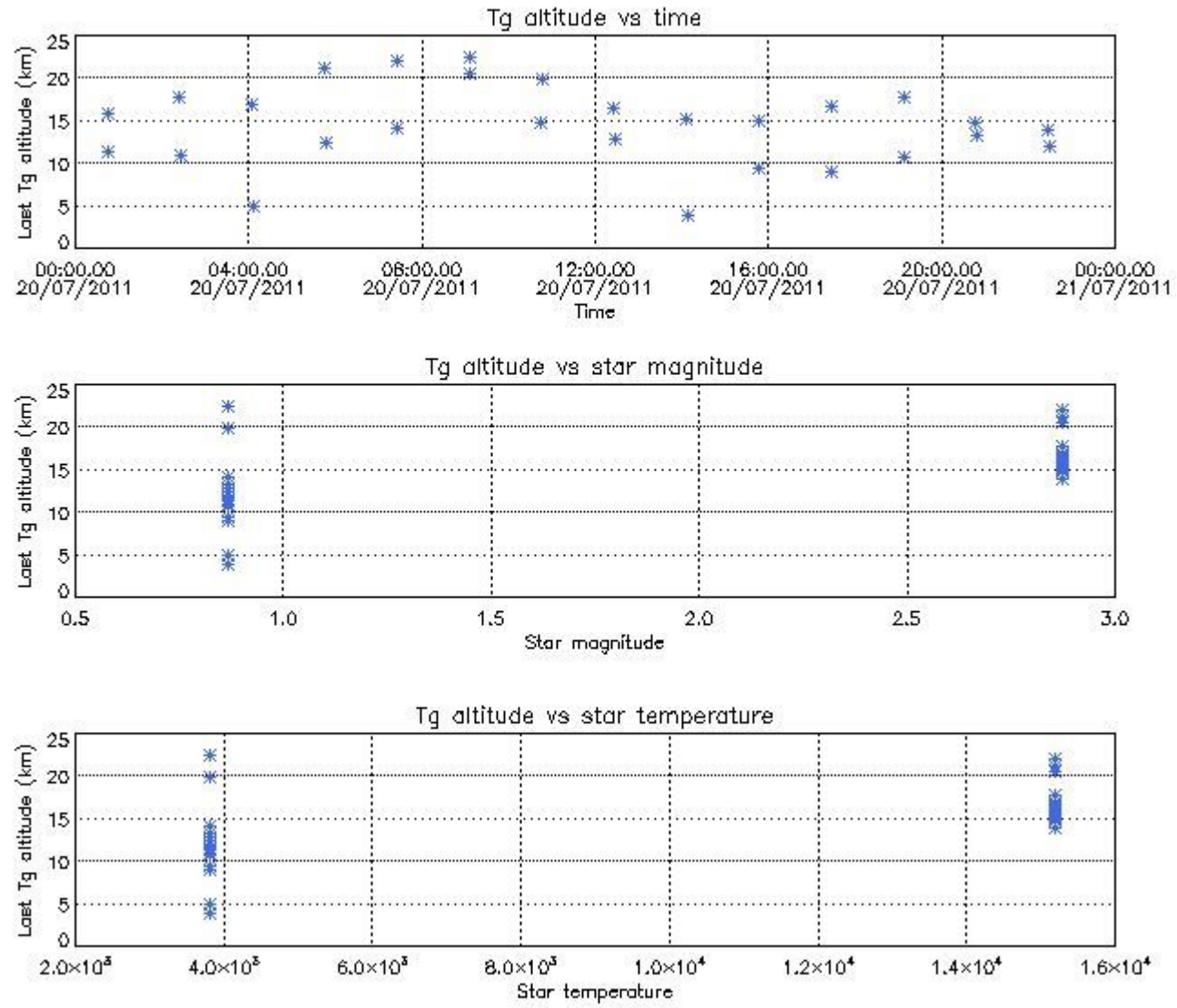
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

## Tangent altitude at which the star is lost



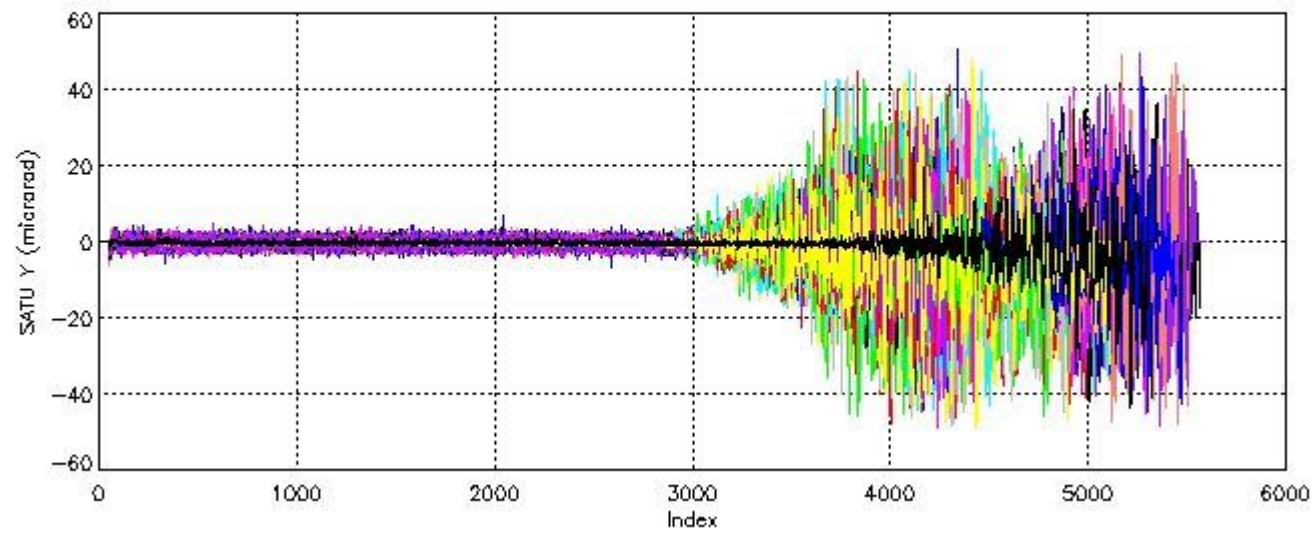
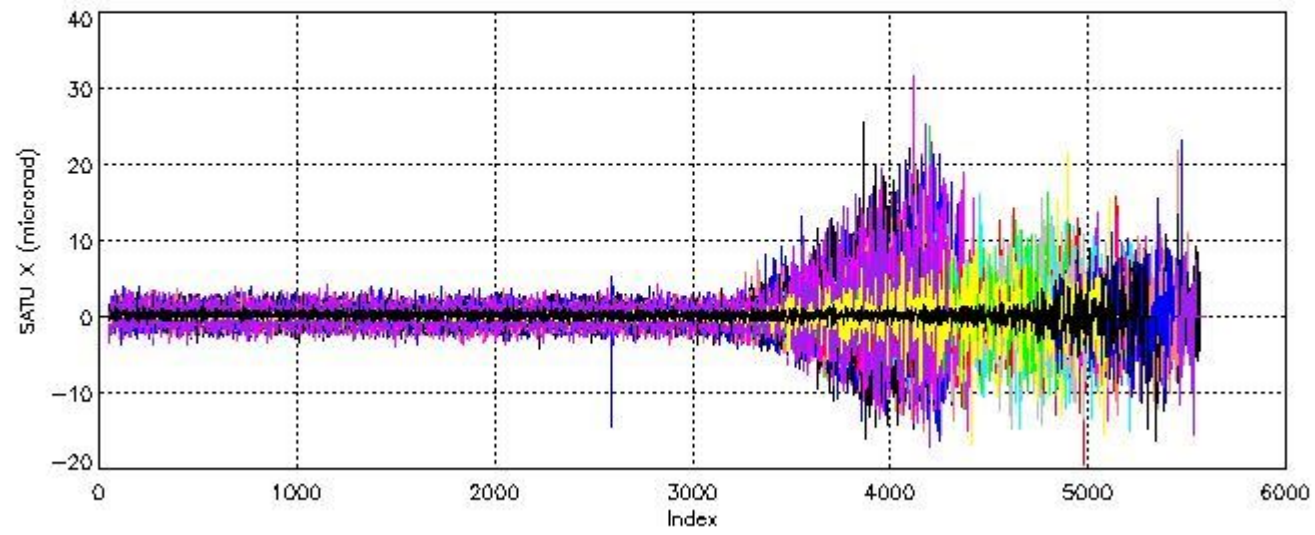
## 7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

### 7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.





## 7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.14530	-0.24471	0.22623	-0.22145
St. deviation:	0.47901	0.56087	0.70027	0.76619
Maximum:	4.0000	4.5000	14.700	6.9000
Minimum:	-3.8000	-6.2000	-7.0000	-7.9000

Number of data:	58900.	58900.	1.3875E+05	1.3875E+05
90Percentile:	0.70000	0.40000	1.1000	0.70000

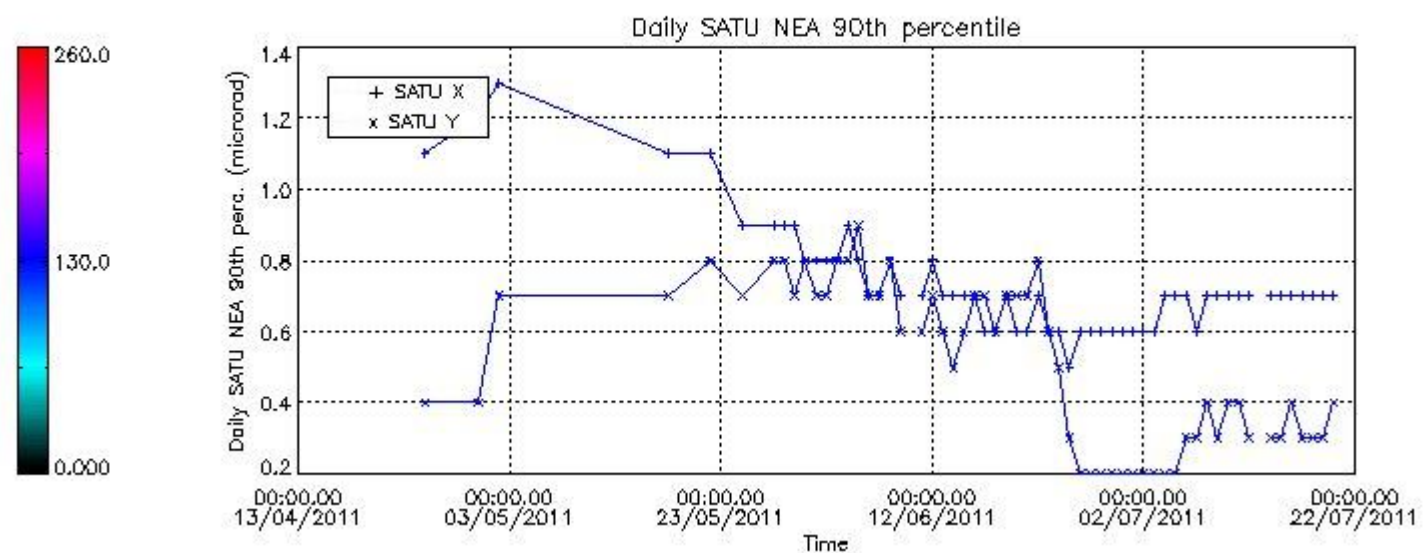
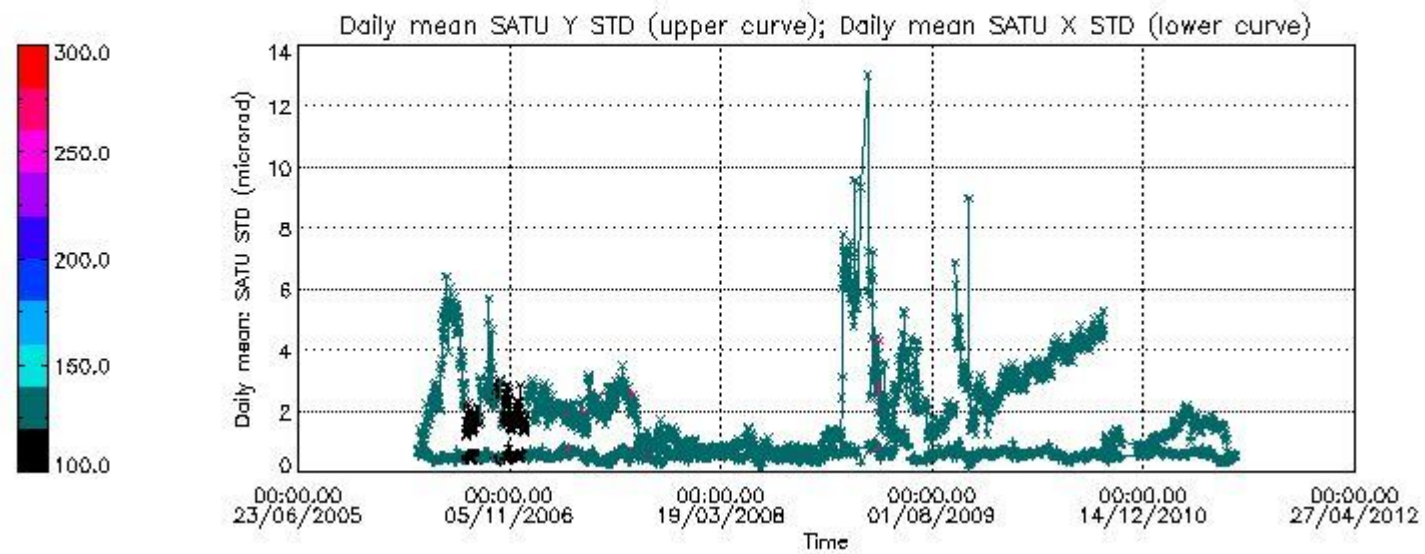
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis

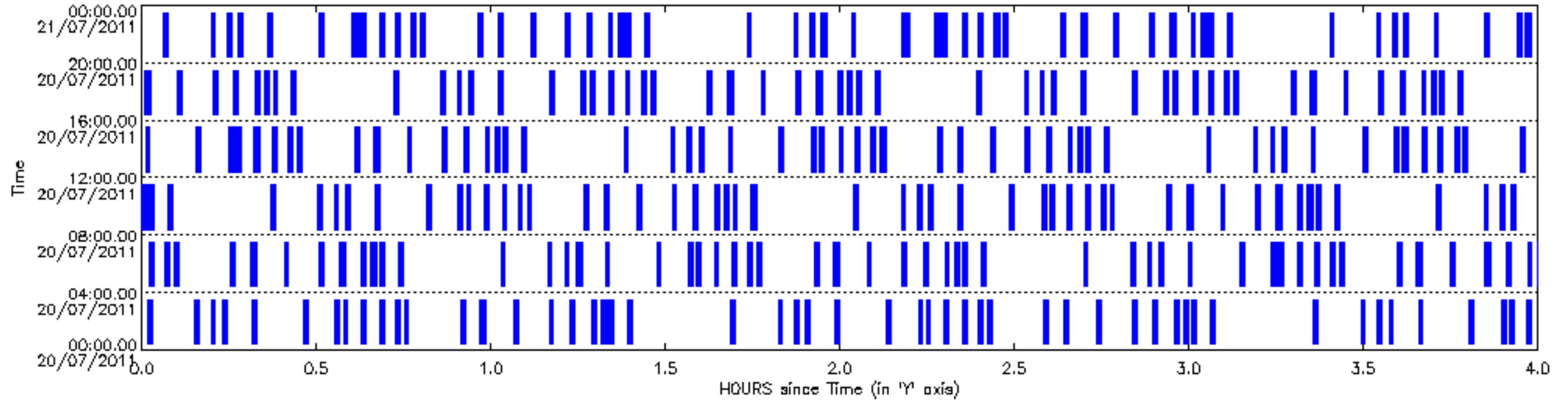


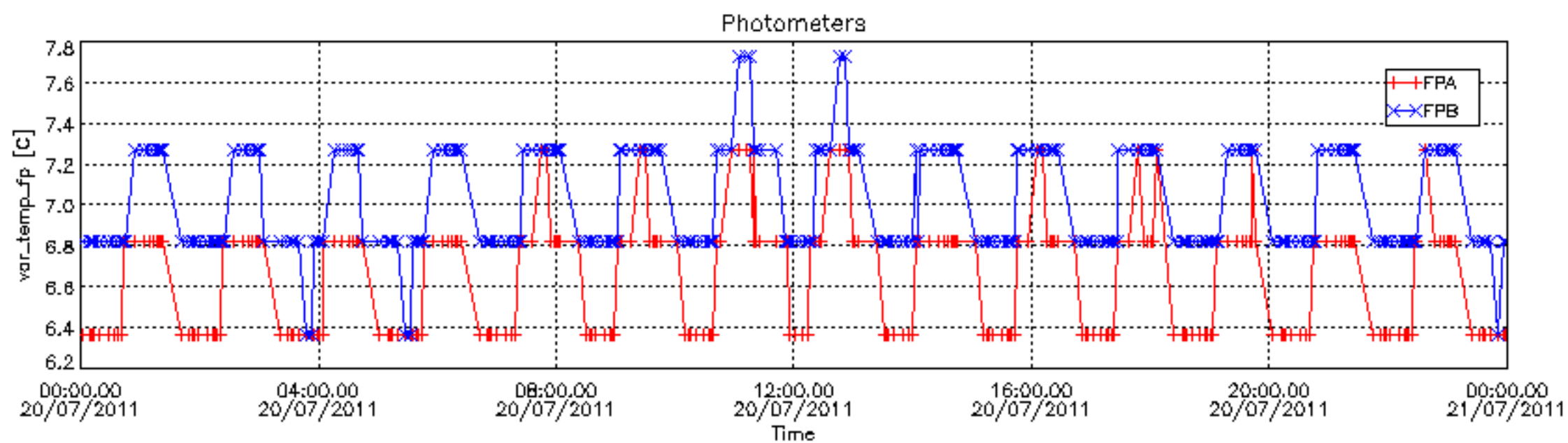
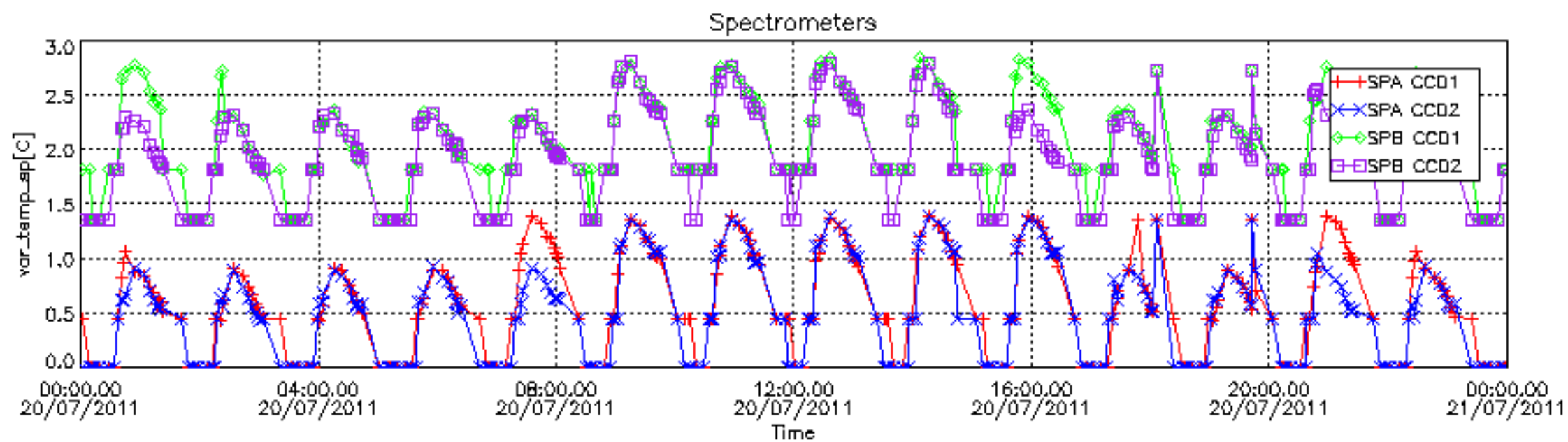
### 8. Auxiliary Data Files used for the production reported in section 2.4

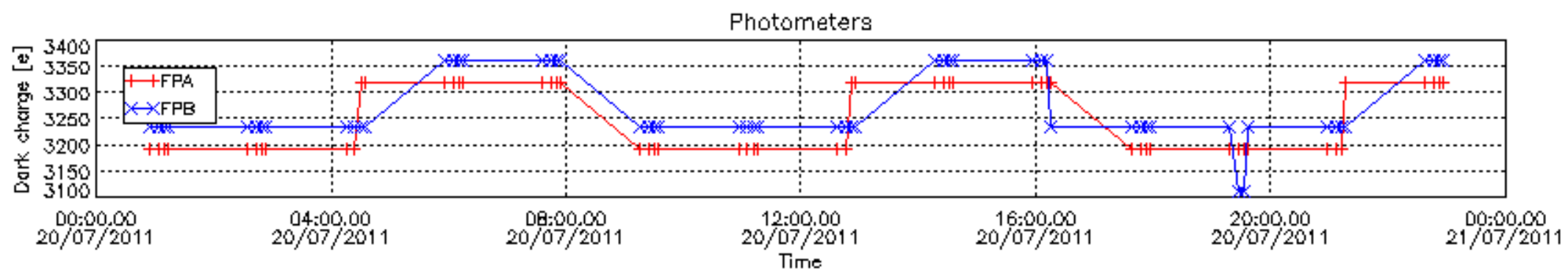
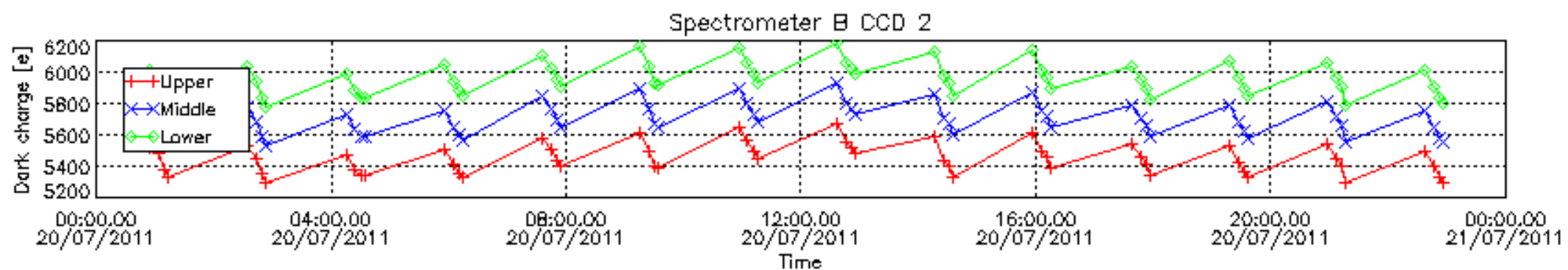
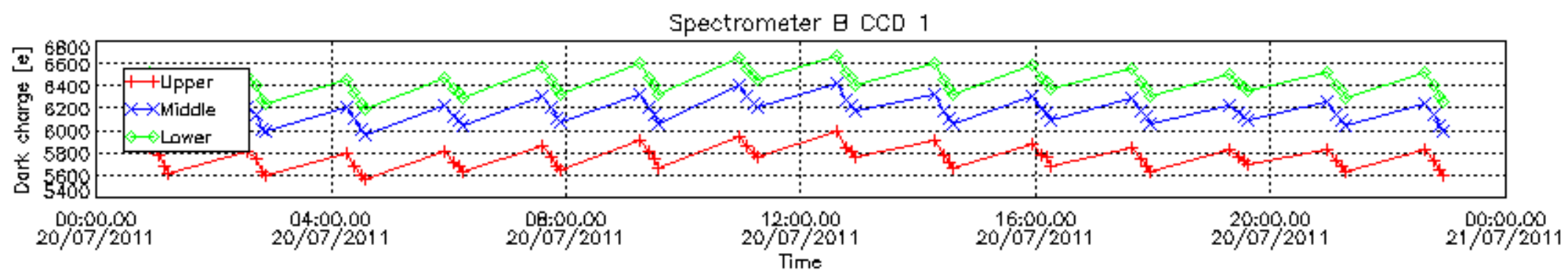
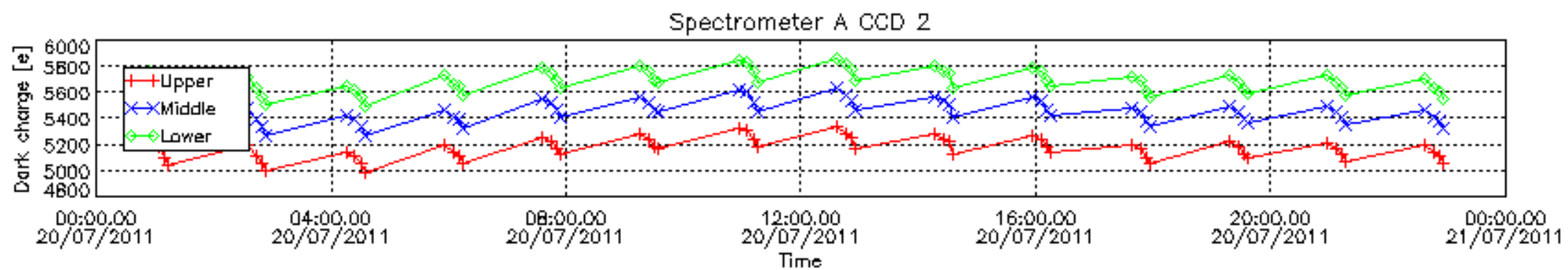
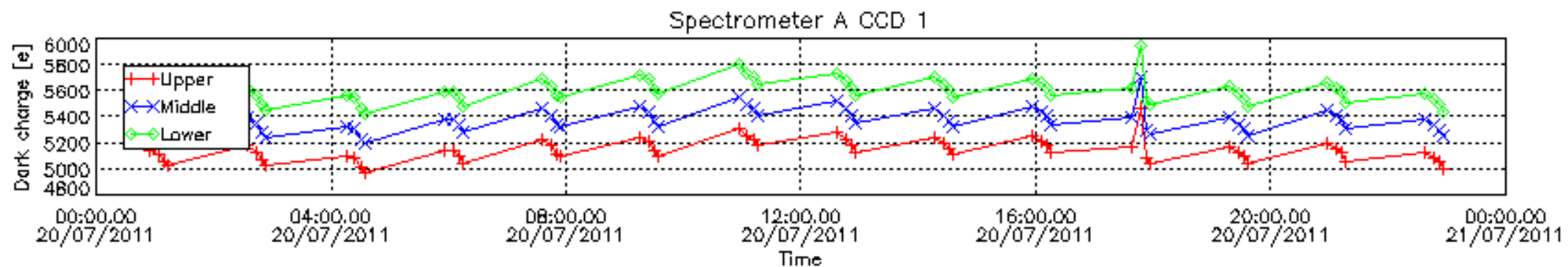
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	20-JUL-2011 00:00:59
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110718_093638_20110717_000000_20500101_000000	1	20-JUL-2011 00:00:59
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	20-JUL-2011 00:00:59
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20110513_081743_20020301_000000_20500101_000000	86	20-JUL-2011 07:08:40
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	20-JUL-2011 00:00:59
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	20-JUL-2011 00:00:59
ECMWF_FILE	AUX_ECF_AXNECM20110719_062114_20110719_210000_20110720_090000	1	20-JUL-2011 00:00:59
ECMWF_FILE	AUX_ECF_AXNECM20110719_182408_20110720_030000_20110720_150000	46	20-JUL-2011 03:48:14
ECMWF_FILE	AUX_ECA_AXNECM20110720_062113_20110719_210000_20110720_090000	66	20-JUL-2011 05:28:27
ECMWF_FILE	AUX_ECF_AXNECM20110719_182408_20110720_030000_20110720_150000	101	20-JUL-2011 08:22:08
ECMWF_FILE	AUX_ECF_AXNECM20110720_062114_20110720_090000_20110720_210000	121	20-JUL-2011 10:02:22
ECMWF_FILE	AUX_ECF_AXNECM20110720_062114_20110720_150000_20110721_030000	181	20-JUL-2011 15:03:03
ECMWF_FILE	AUX_ECA_AXNECM20110720_180018_20110720_090000_20110720_210000	220	20-JUL-2011 18:05:58
ECMWF_FILE	AUX_ECF_AXNECM20110720_062114_20110720_150000_20110721_030000	253	20-JUL-2011 20:57:42
ECMWF_FILE	AUX_ECF_AXNECM20110720_062115_20110720_210000_20110721_090000	273	20-JUL-2011 22:37:57
OPTIONAL_ECMWF_FILE	MISSING	1	20-JUL-2011 00:00:59
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110719_102114_20110718_190231_20110728_211618	1	20-JUL-2011 00:00:59
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110720_102114_20110719_182547_20110729_203934	121	20-JUL-2011 10:02:22

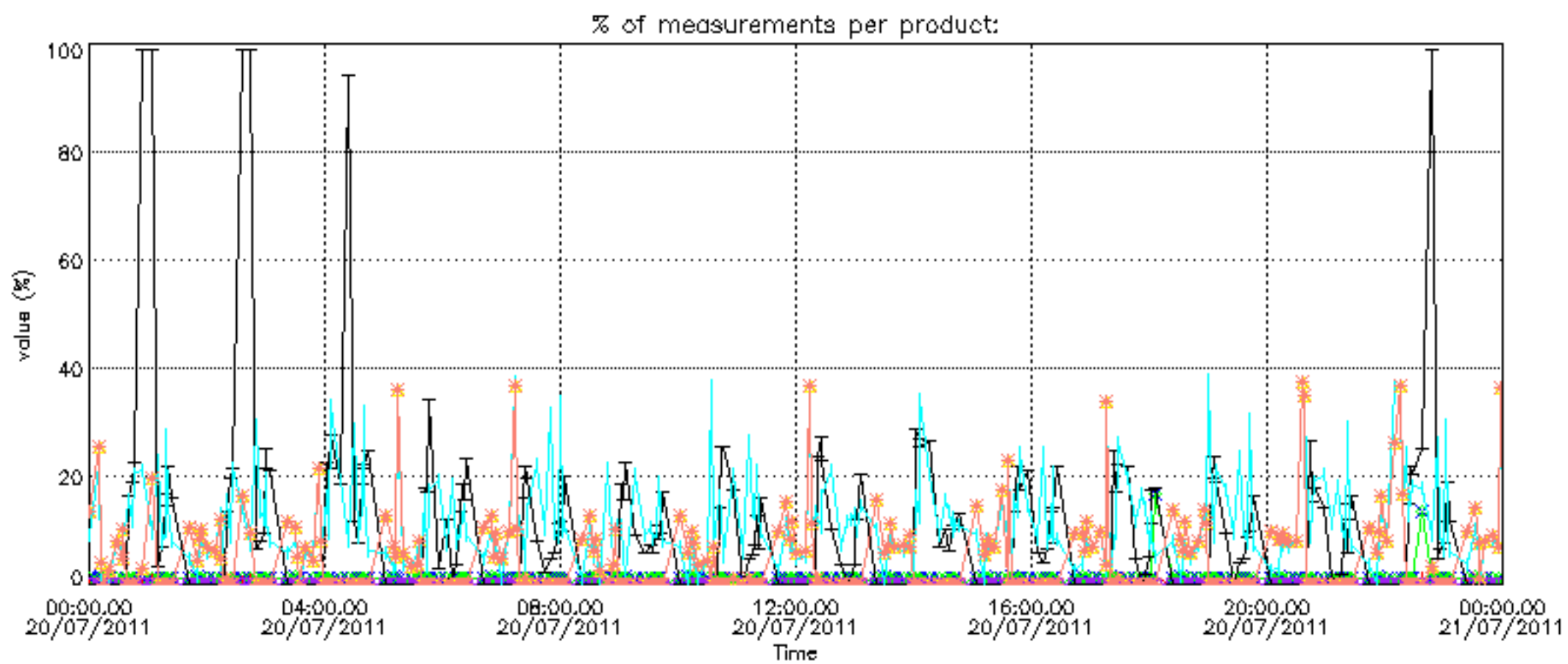
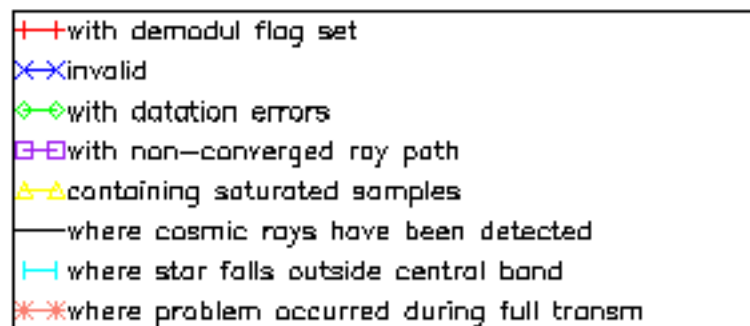




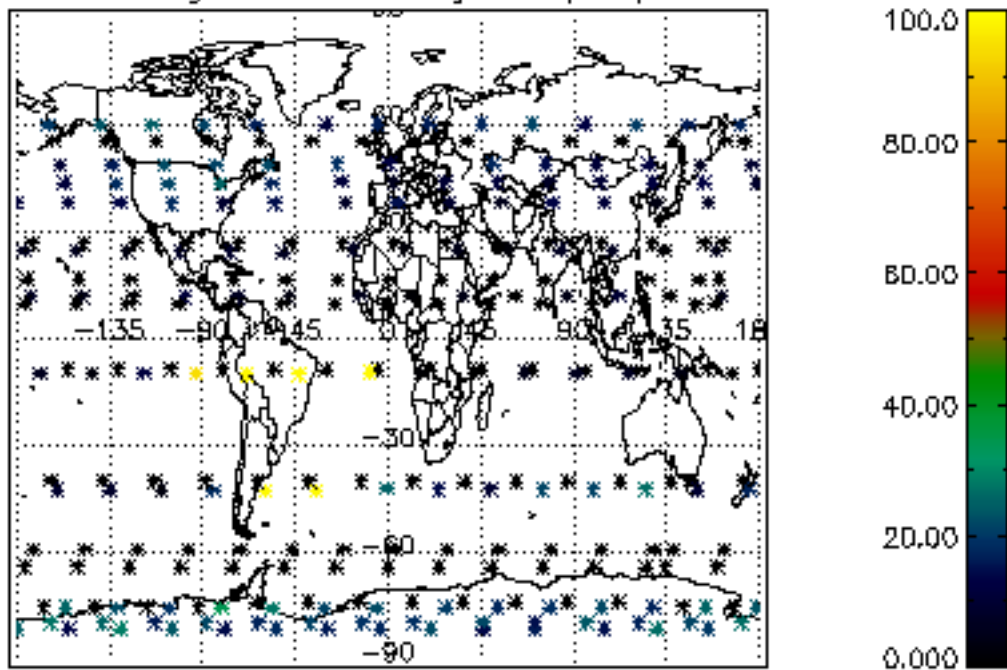




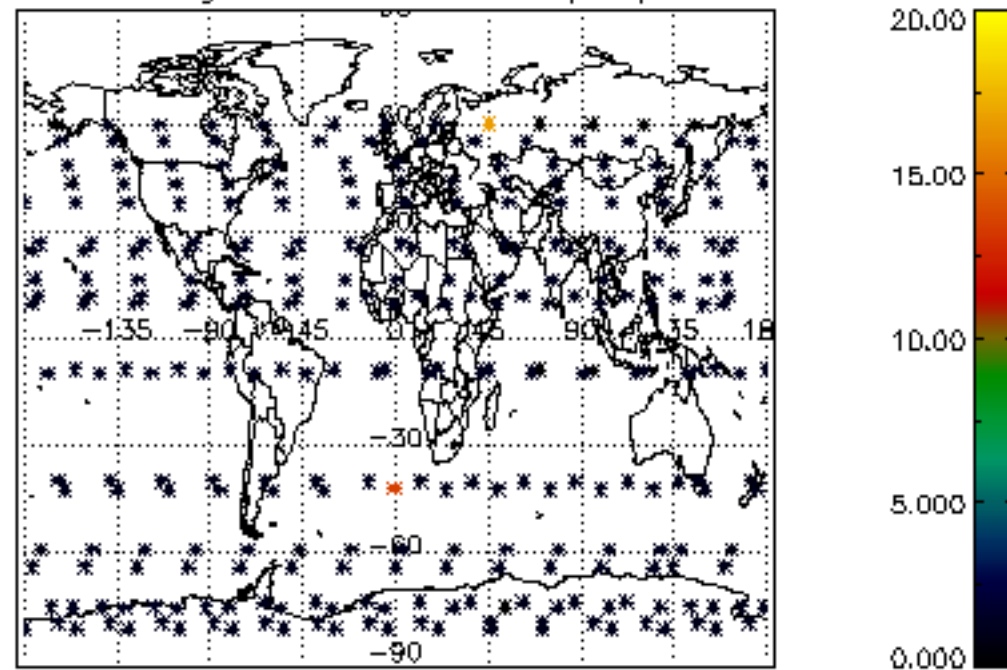




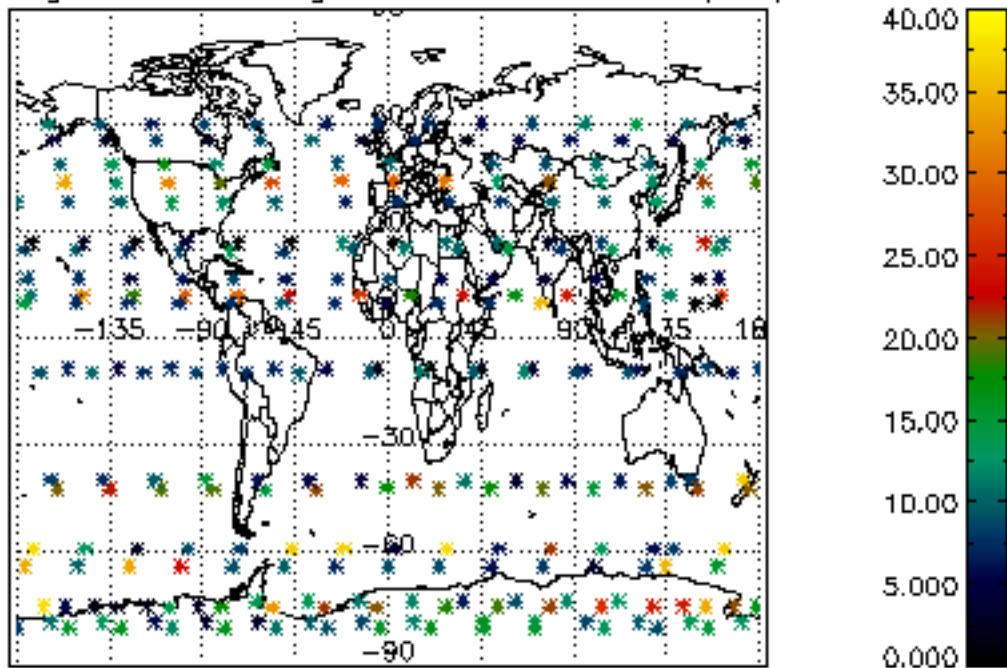
Percentage of cosmic ray hits per profile



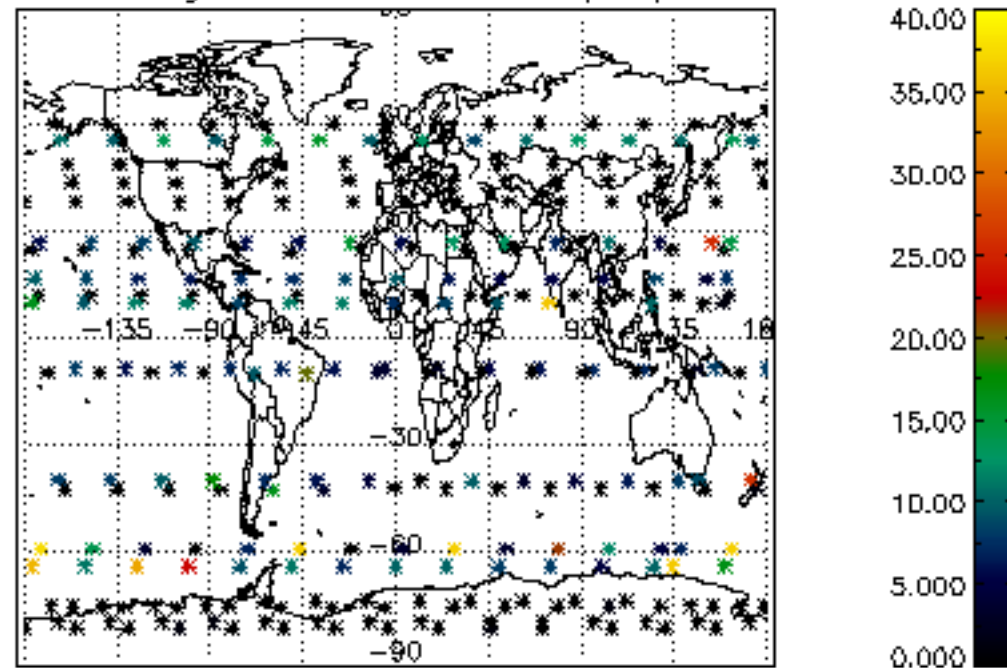
Percentage of datation errors per profile



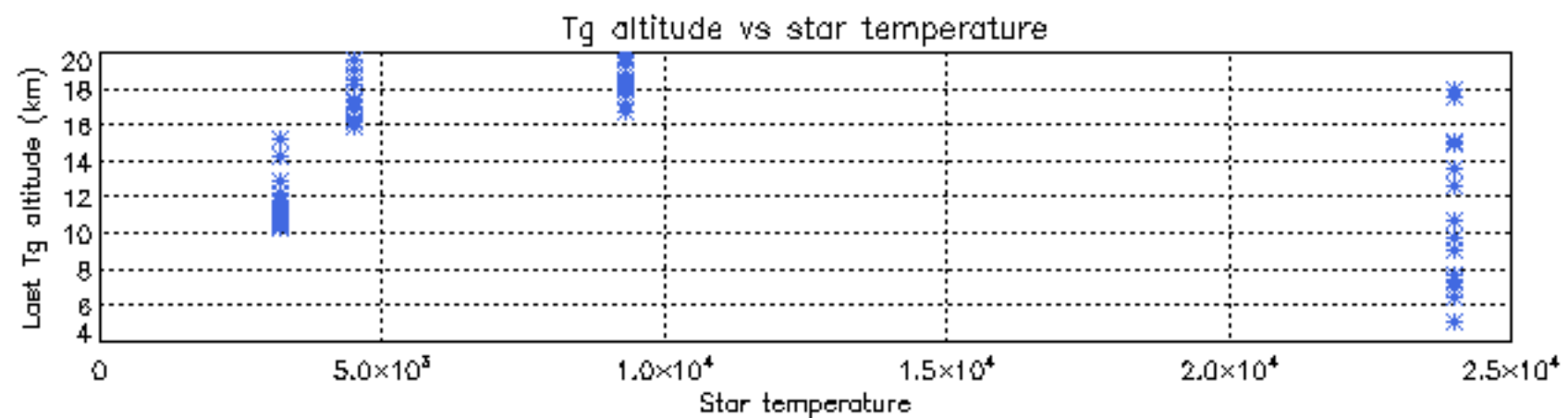
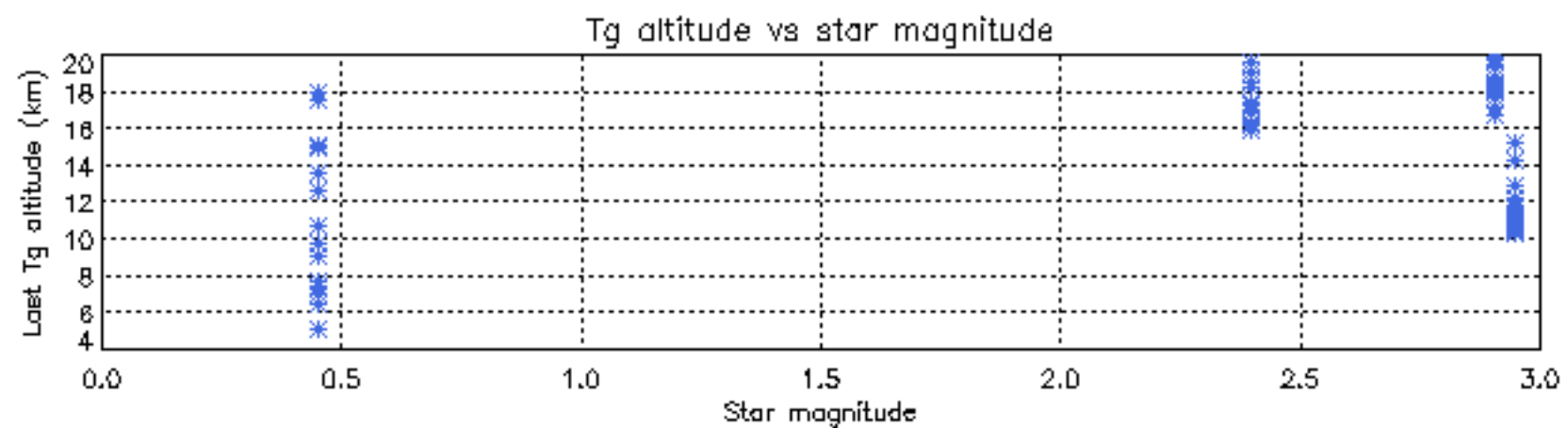
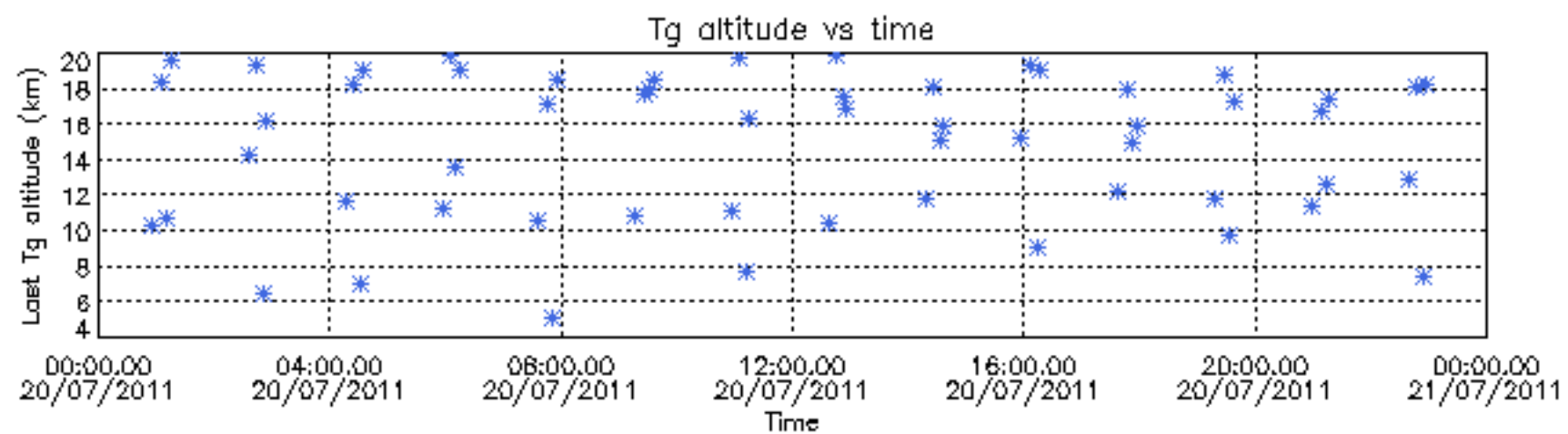
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

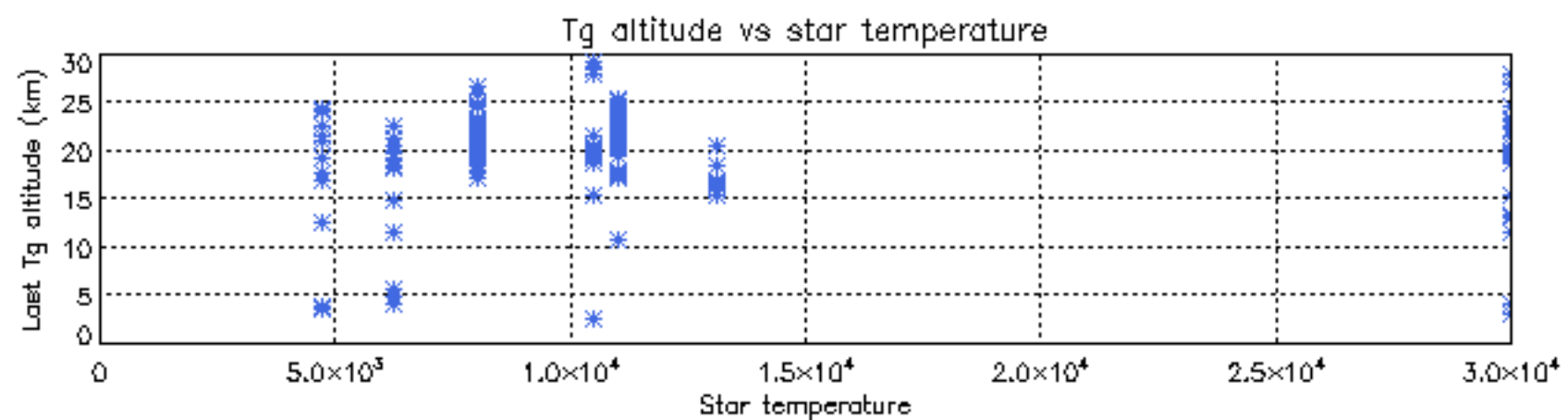
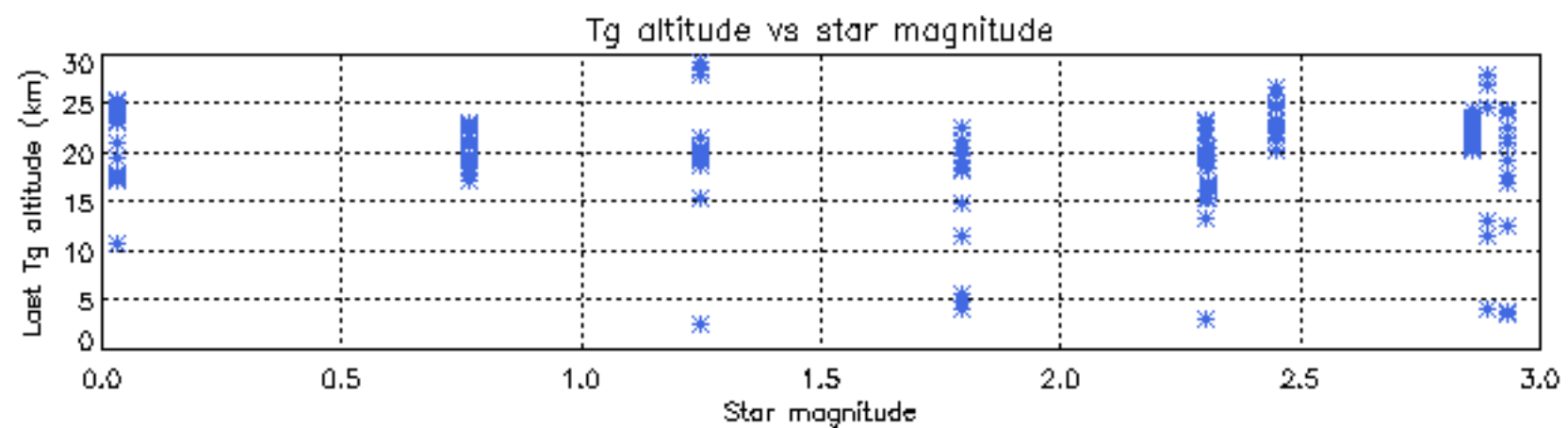
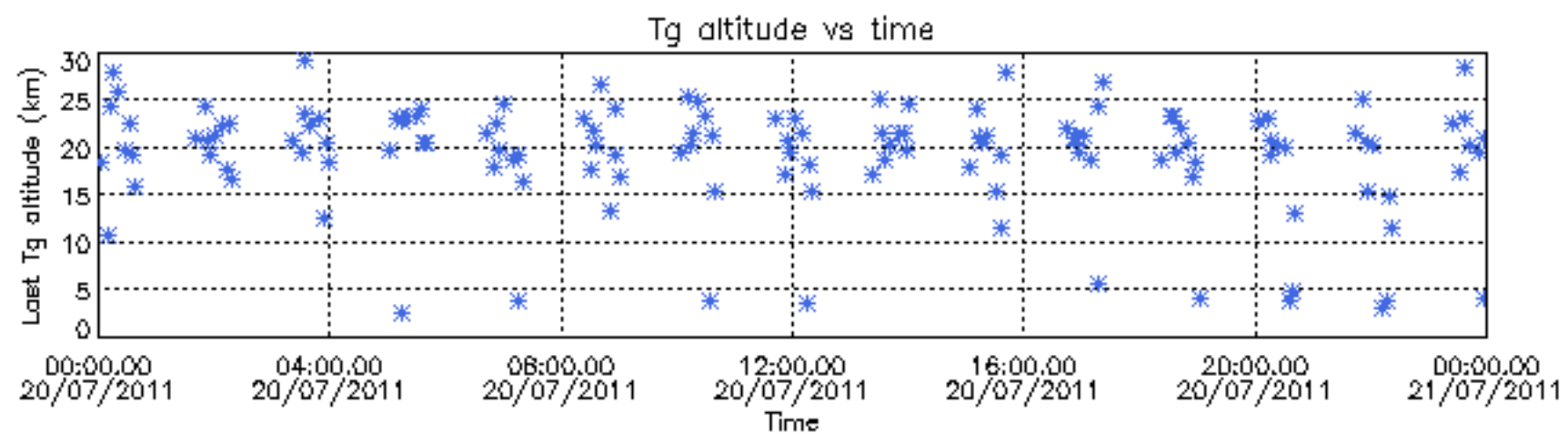


Tangent altitude at which the star is lost

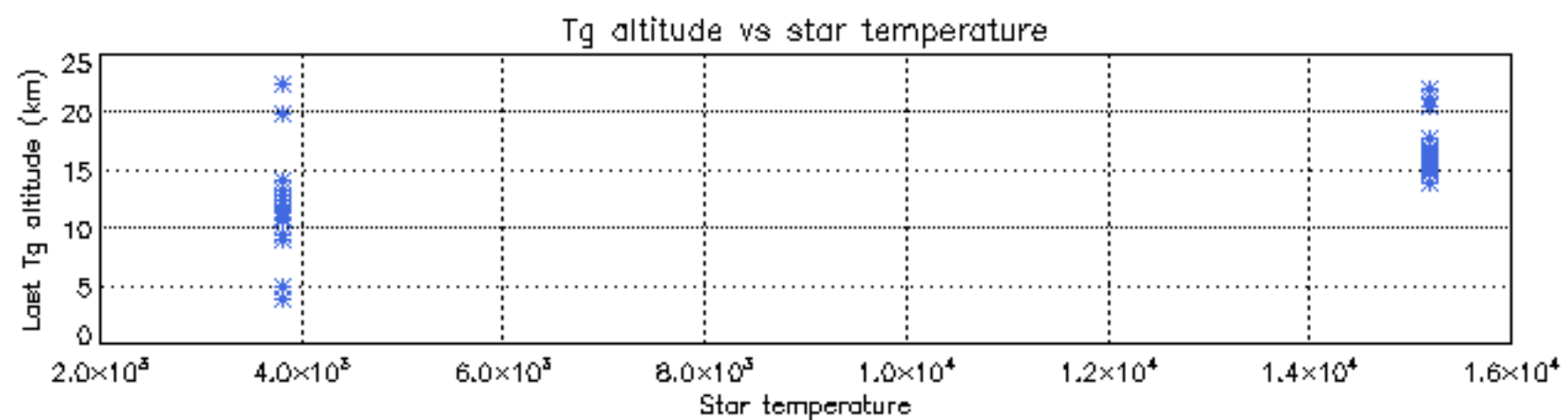
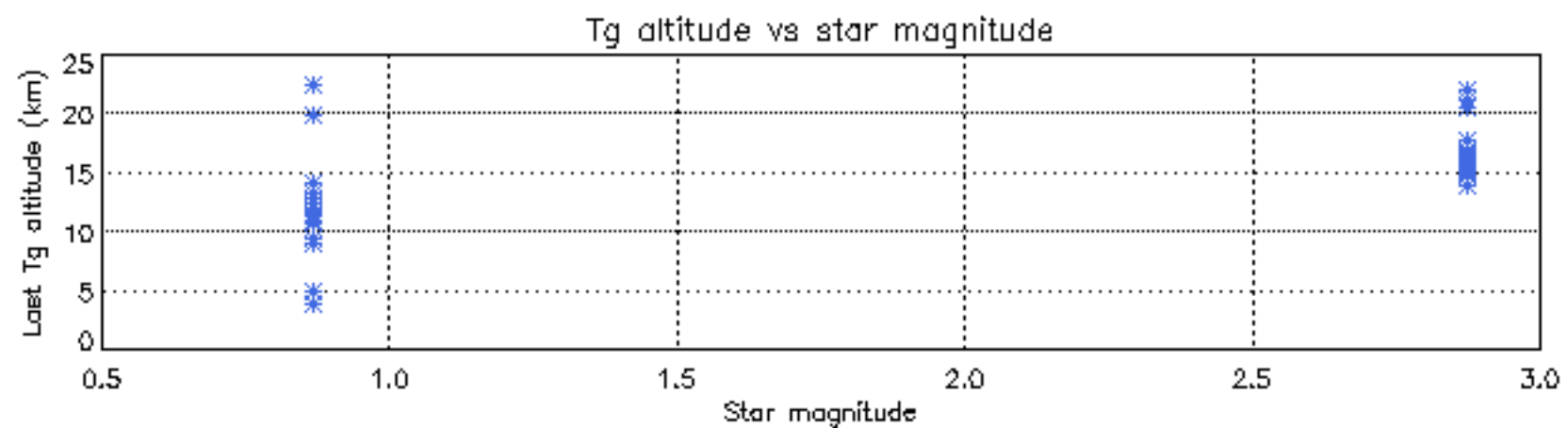
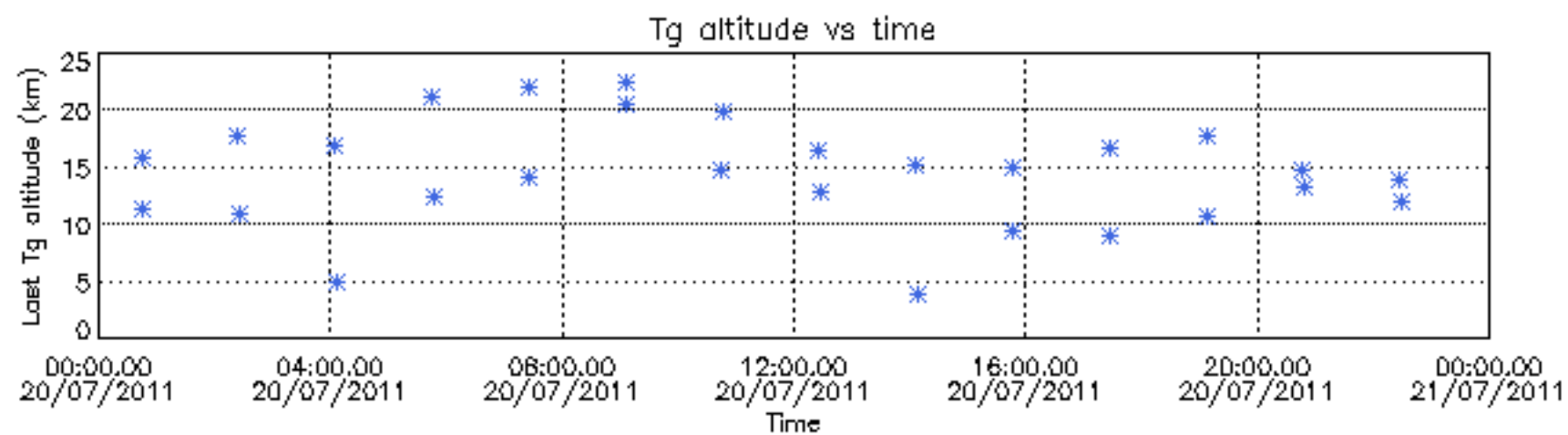


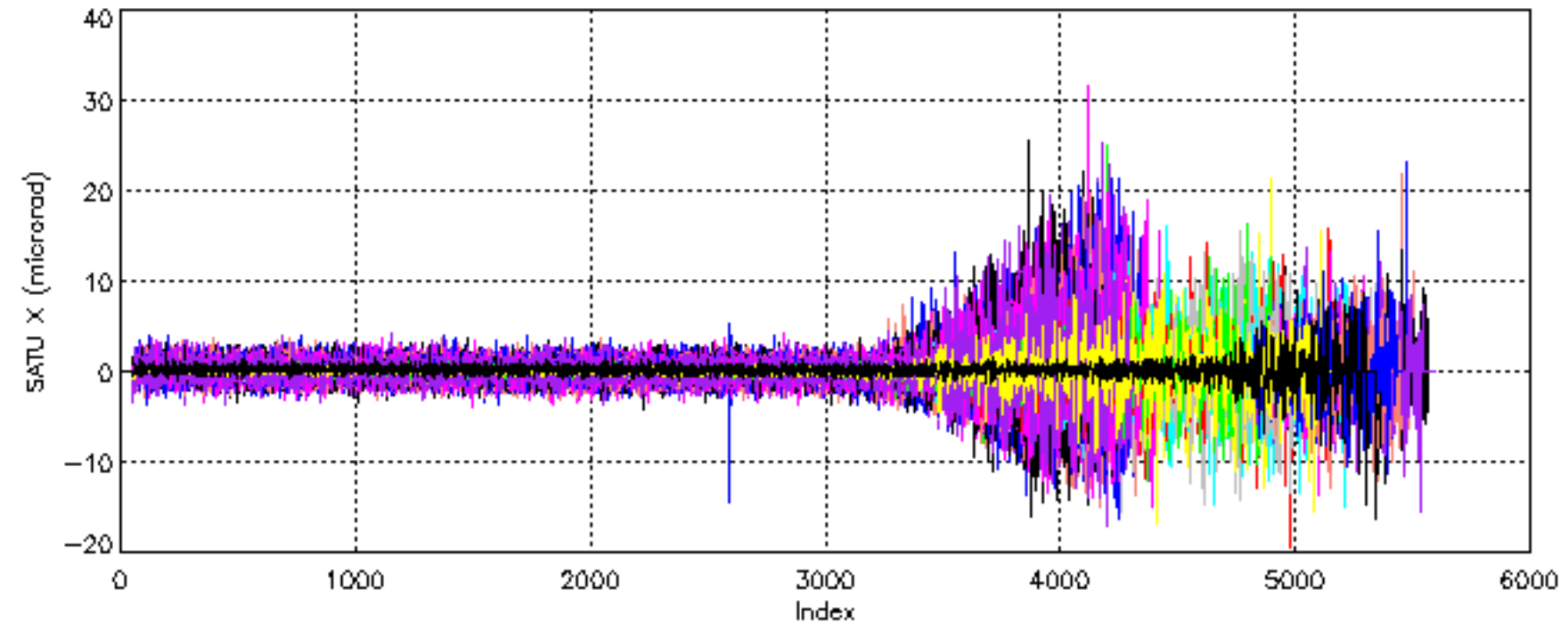


Tangent altitude at which the star is lost

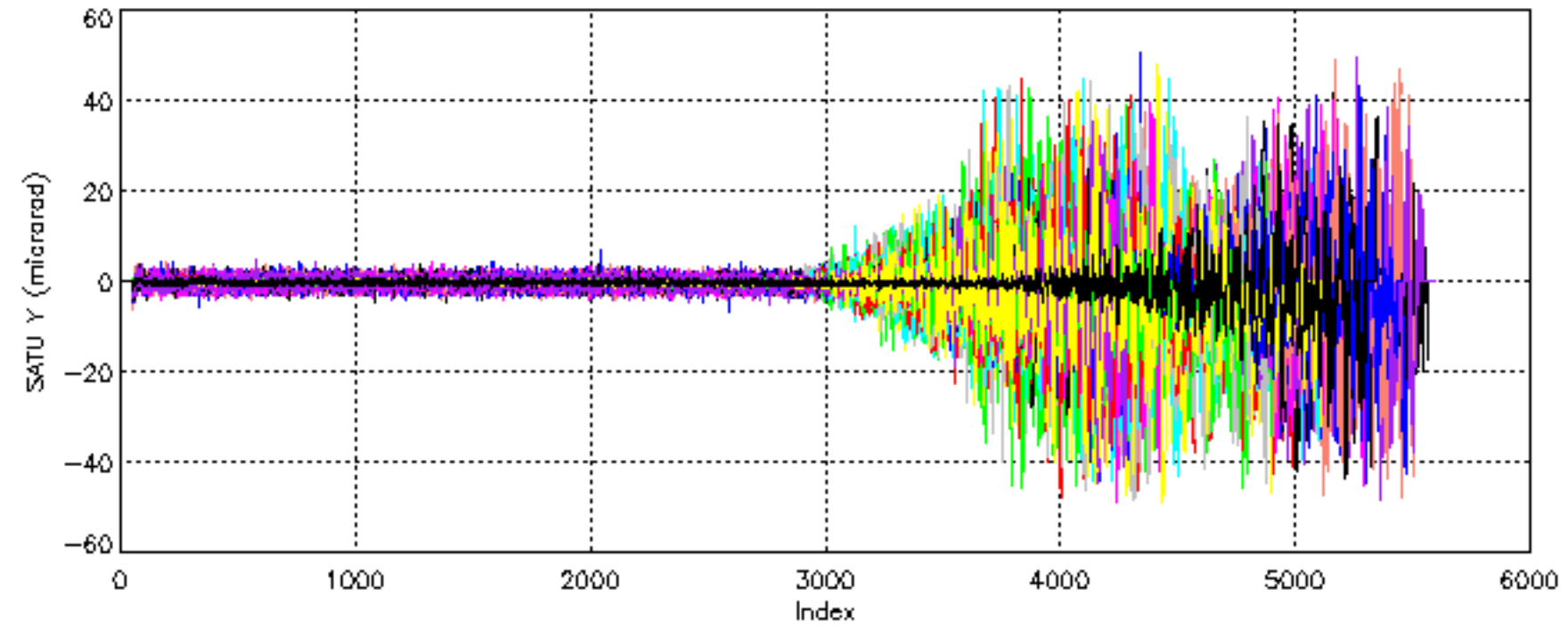


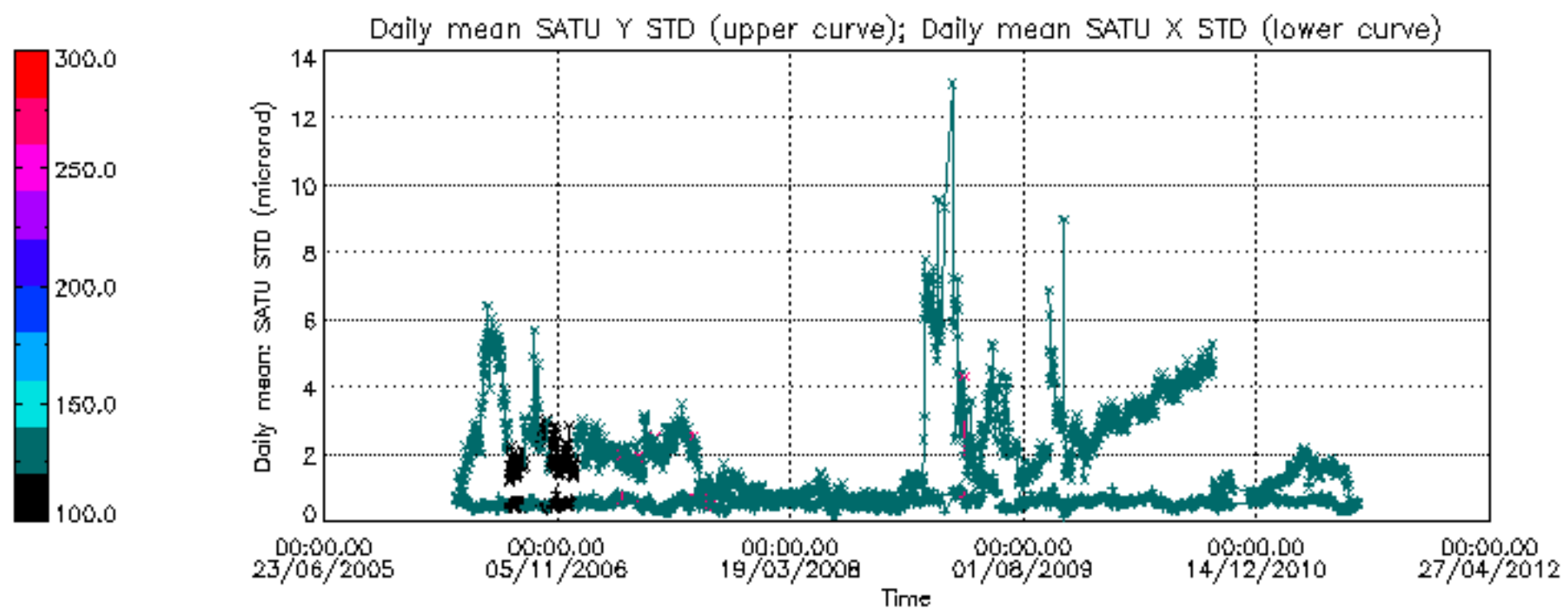
Tangent altitude at which the star is lost

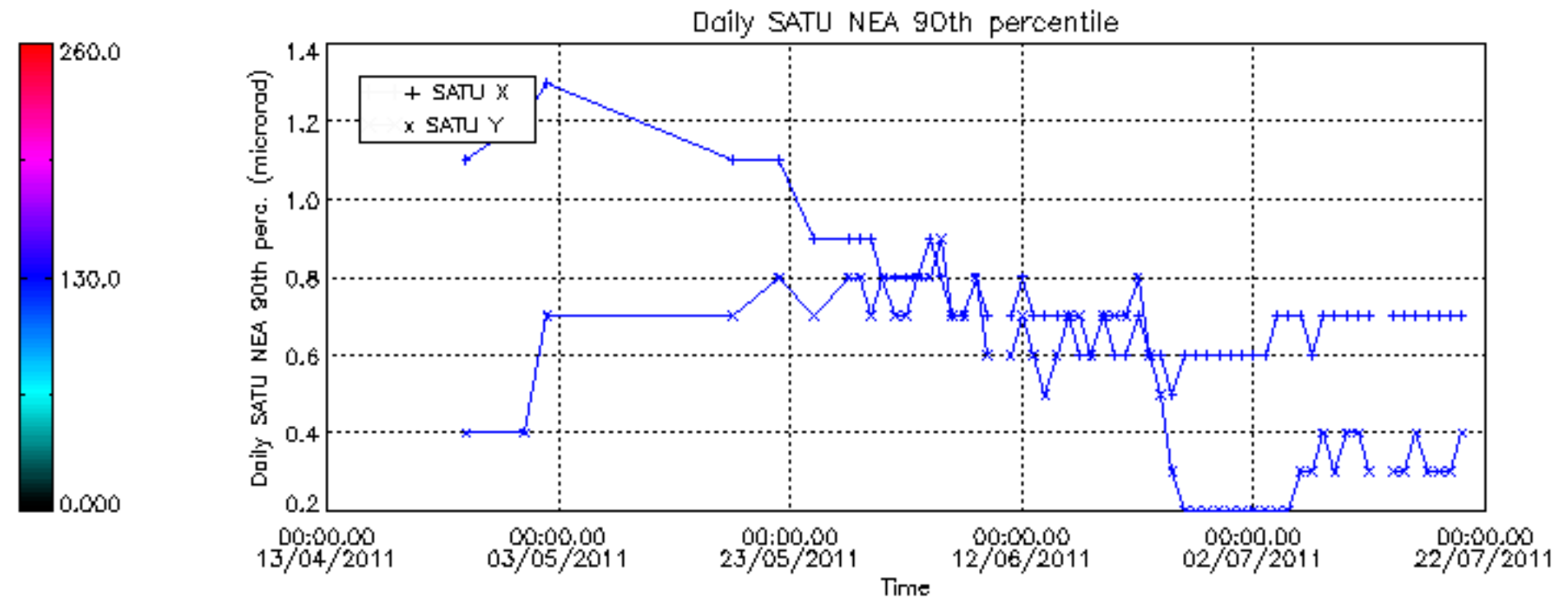














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 1; -520.5; 01-JUL-2011 02:34:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48810
 2; 104.4; 01-JUL-2011 02:45:04; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;48811
 3; 491.2; 01-JUL-2011 02:51:31; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48811
 4; 606.4; 01-JUL-2011 02:53:26; Dark ; 53.0; 31; Alp Gru ; 1.73; 15200;occ; 106; 0;48811
 5; 744.1; 01-JUL-2011 02:55:43; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48811
 6; 1308.9; 01-JUL-2011 03:05:08; Dark ; 49.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 98; 0;48811
 7; 1472.5; 01-JUL-2011 03:07:52; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;48811
 8; 1969.7; 01-JUL-2011 03:16:09; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48811
 9; 2108.6; 01-JUL-2011 03:18:28; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48811
10; 2210.9; 01-JUL-2011 03:20:10; Bright; 48.0; 168; 17Zet Aql ; 2.99; 11000;occ; 96; 0;48811
11; 2630.2; 01-JUL-2011 03:27:10; Bright; 45.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 91; 0;48811
12; 2791.4; 01-JUL-2011 03:29:51; Bright; 34.0; 130; 23Bet Dra ; 2.80; 5800;occ; 68; 0;48811
13; 2894.4; 01-JUL-2011 03:31:34; Bright; 63.0; 144; 18Del Cyg ; 2.86; 11000;occ; 126; 0;48811
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 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
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 8;-1054.6; 01-JUL-2011 04:05:59; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48811
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11; 492.2; 01-JUL-2011 04:31:46; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48812
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15; 1472.7; 01-JUL-2011 04:48:06; Bright; 43.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 87; 0;48812
16; 1969.8; 01-JUL-2011 04:56:23; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48812
17; 2108.5; 01-JUL-2011 04:58:42; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48812
18; 2210.4; 01-JUL-2011 05:00:24; Bright; 46.5; 168; 17Zet Aql ; 2.99; 11000;occ; 93; 0;48812
19; 2629.8; 01-JUL-2011 05:07:23; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;48812
20; 2791.3; 01-JUL-2011 05:10:05; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48812
21; 2893.6; 01-JUL-2011 05:11:47; Bright; 48.0; 144; 18Del Cyg ; 2.86; 11000;occ; 96; 0;48812
22; 3315.6; 01-JUL-2011 05:18:49; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48812
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 1;-2257.4; 01-JUL-2011 05:26:10; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;48812
 2;-2161.6; 01-JUL-2011 05:27:46; Bright; 59.5; 110; 37Del Cas ; 2.68; 8900;occ; 119; 0;48812
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5; 3111.6; 25-JUL-2011 08:56:17; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;49159
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10; 4618.5; 31-JUL-2011 15:42:22; Dark ; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;49249
11; 4768.2; 31-JUL-2011 15:44:51; Dark ; 57.5; 13; 87Alp Tau ; 0.87; 3800;occ; 115; 0;49249
12; 4888.6; 31-JUL-2011 15:46:52; Dark ; 45.0; 27; 24Gam Ori ; 1.64; 26000;occ; 90; 0;49249
13; 4993.4; 31-JUL-2011 15:48:37; Dark ; 43.5; 72; 34Del Ori ; 2.25; 30000;occ; 87; 0;49249
14; 5151.5; 31-JUL-2011 15:51:15; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;49249
15; 5427.4; 31-JUL-2011 15:55:51; Dark ; 54.0; 165; 34Gam Eri ; 2.95; 3200;occ; 108; 0;49249
16; 5717.9; 31-JUL-2011 16:00:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49249
17; 5991.3; 31-JUL-2011 16:05:15; Dark ; 46.0; 157; The1Eri ; 2.91; 9300;occ; 92; 0;49249
18; 6319.5; 31-JUL-2011 16:10:43; Dark ; 52.5; 9; Alp Eri ; 0.45; 24000;occ; 105; 0;49250
19; 6606.3; 31-JUL-2011 16:15:30; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;49250
20; 6928.8; 31-JUL-2011 16:20:52; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;49250

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21; 7115.9; 31-JUL-2011 16:23:59; Dark ; 44.0; 172; Gam Gru ; 3.00; 13100;occ; 88; 0;49250

