

GOMOS Daily Report 21-APR-2011

Level 0 and Level 1 products

SUMMARY

[1. General Info](#)

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

[2.1 Level 0: products arrived in PCF during current month \(see template here\)](#)

[2.2 Level 0: plot of mission plan versus production during reporting period](#)

[2.3 Level 0: summary of missing occultations with respect to the plan](#)

[2.4 Level 1: products arrived in PCF during reporting period](#)

[3. Plot of Spectrometers and Photometers temperatures](#)

[4. Dark Charge monitoring](#)

[4.1 Products that did not use the Dark Sky Area observation for DC computation](#)

[4.2 Plot of Dark Charge](#)

[5. Demodulation correction and quality product information monitoring](#)

[5.1 Percentage of products with some flags set](#)

[5.2 Plot of quality information per product \(time dependant\)](#)

[5.3 Plot of quality information per product \(world map\)](#)

[6. Star tangent altitude lost](#)

[6.1 Statistics on star tangent altitude lost](#)

[6.2 Plot of star tangent altitude lost: DARK products](#)

[6.3 Plot of star tangent altitude lost: BRIGHT products](#)

[6.3 Plot of star tangent altitude lost: TWILIGHT products](#)

[7. Star Acquisition and Tracking Unit \(SATU\)](#)

[7.1 SATU plots \(dark limb\): 'X' and 'Y' axis](#)

[7.2 SATU Noise Equivalent Angle statistics](#)

[7.2.1 SATU NEA Statistics \(table\)](#)

[7.2.2 Daily SATU NEA STD \(dark limb\) - trend since 1st April 2006](#)

[8. Auxiliary Data Files used for the production reported in section 2.4](#)

[Level 2 products](#)

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	24APR2011 07:06:10
Data source version	GOMOS/5.01
Start time of products	21APR2011 00:02:39
Stop time of products	21APR2011 23:59:24
Store outputs in DB	Yes
Nb of level 1b prods	315
Nb of prods with errors	1

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

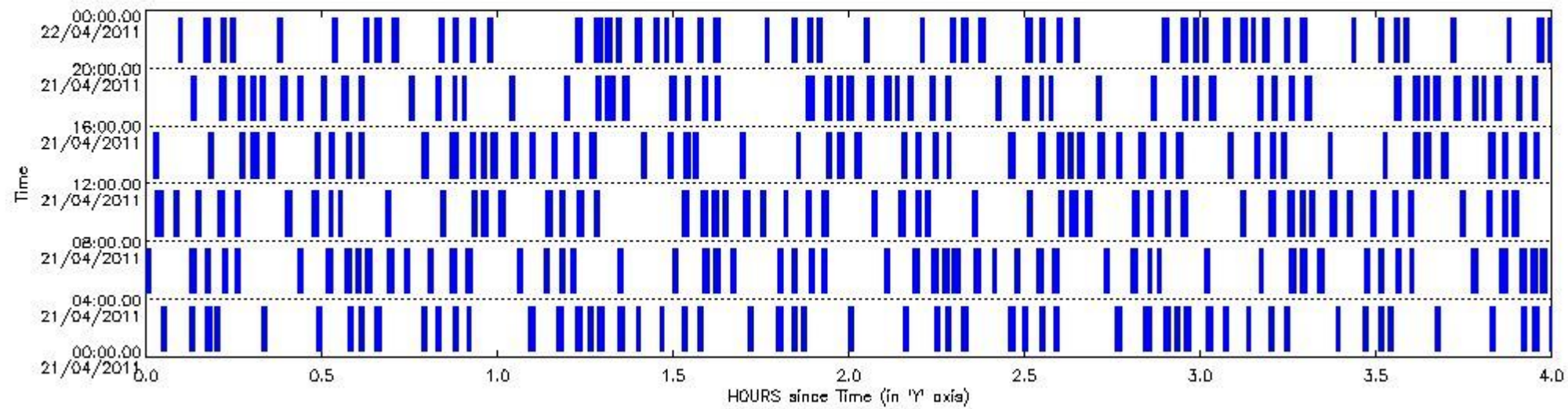
2.1 Level 0 products arrived in PCF (see template [here](#))

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_1PNPDE20110421_000239_000000443101_00361_47789_7011.N1	21-APR-2011 00:02:39	Bright	44.000	111	8Eta Boo	2.6800	6000.0	88	47789	No
2	GOM_TRA_1PNPDE20110421_000716_000000523101_00361_47789_7012.N1	21-APR-2011 00:07:16	Bright	51.500	83		2.3780	11000.	103	47789	No
3	GOM_TRA_1PNPDE20110421_001003_000000653101_00361_47789_7013.N1	21-APR-2011 00:10:03	Bright	64.500	180	27Gam Boo	3.0400	8000.0	129	47789	No
4	GOM_TRA_1PNPDE20110421_001140_000000413101_00361_47789_7014.N1	21-APR-2011 00:11:40	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	47789	No
5	GOM_TRA_1PNPDE20110421_001945_000000453101_00361_47789_7015.N1	21-APR-2011 00:19:45	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	47789	No
6	GOM_TRA_1PNPDE20110421_002908_000000413101_00361_47789_7016.N1	21-APR-2011 00:29:08	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	47789	No
7	GOM_TRA_1PNPDE20110421_003421_000000533101_00361_47789_7017.N1	21-APR-2011 00:34:21	Bright	52.500	19	50Alp Cyg	1.2460	10500.	105	47789	No
8	GOM_TRA_1PNPDE20110421_003611_000000613101_00361_47789_7018.N1	21-APR-2011 00:36:11	Bright	60.500	66	37Gam Cyg	2.2080	5900.0	121	47789	No
9	GOM_TRA_1PNPDE20110421_003902_000000663101_00361_47789_7019.N1	21-APR-2011 00:39:02	Bright	66.000	92	53Eps Cyg	2.5000	4500.0	132	47789	No
10	GOM_TRA_1PNPDE20110421_004701_000000573101_00361_47789_7020.N1	21-APR-2011 00:47:01	Dark	56.500	61	8Eps Peg	2.1000	3900.0	113	47789	No
11	GOM_TRA_1PNPDE20110421_004929_000000473101_00361_47789_7021.N1	21-APR-2011 00:49:29	Dark	46.500	162	34Alp Aqr	2.9440	5350.0	93	47789	No
12	GOM_TRA_1PNPDE20110421_005225_000000503101_00361_47789_7022.N1	21-APR-2011 00:52:25	Dark	50.000	154	22Bet Aqr	2.8990	5700.0	100	47789	No

13	GOM_TRA_1PNPDE20110421_005442_000000453101_00361_47789_7026.N1	21-APR-2011 00:54:42	Dark	44.500	142	49Del Cap	2.8500	8900.0	89	47789	No
14	GOM_TRA_1PNPDE20110421_011007_000000663101_00362_47790_7027.N1	21-APR-2011 01:10:07	Dark	66.000	103	38Zet Sgr	2.6000	9700.0	132	47790	No
15	GOM_TRA_1PNPDE20110421_011324_000000643101_00362_47790_7028.N1	21-APR-2011 01:13:24	Dark	64.000	38	20Eps Sgr	1.8360	11000.	128	47790	No
16	GOM_TRA_1PNPDE20110421_011519_000000553101_00362_47790_7029.N1	21-APR-2011 01:15:19	Straylight	55.000	178	lot1Sco	3.0220	6550.0	110	47790	No
17	GOM_TRA_1PNPDE20110421_011656_000000653101_00362_47790_7030.N1	21-APR-2011 01:16:56	Straylight	64.500	25	35Lam Sco	1.6200	28000.	129	47790	No
18	GOM_TRA_1PNPDE20110421_012036_000000683101_00362_47790_7031.N1	21-APR-2011 01:20:36	Straylight	67.500	75	26Eps Sco	2.2910	4250.0	135	47790	No
19	GOM_TRA_1PNPDE20110421_012343_000000403101_00362_47790_7032.N1	21-APR-2011 01:23:43	Straylight	40.000	136	23Tau Sco	2.8220	30000.	80	47790	No
20	GOM_TRA_1PNPDE20110421_012737_000000373101_00362_47790_7033.N1	21-APR-2011 01:27:37	Tw_i_and_stray	37.000	80	7Del Sco	2.3160	30000.	74	47790	No
21	GOM_TRA_1PNPDE20110421_013123_000000593101_00362_47790_7034.N1	21-APR-2011 01:31:23	Bright	58.500	122	9Alp2Lib	2.7470	9700.0	117	47790	No
22	GOM_TRA_1PNPDE20110421_013409_000000493101_00362_47790_7035.N1	21-APR-2011 01:34:09	Bright	49.000	104	27Bet Lib	2.6140	13100.	98	47790	No
23	GOM_TRA_1PNPDE20110421_014253_000000453101_00362_47790_7036.N1	21-APR-2011 01:42:53	Bright	44.500	111	8Eta Boo	2.6800	6000.0	89	47790	No
24	GOM_TRA_1PNPDE20110421_014729_000000663101_00362_47790_7037.N1	21-APR-2011 01:47:29	Bright	66.000	83		2.3780	11000.	132	47790	No
25	GOM_TRA_1PNPDE20110421_015016_000000453101_00362_47790_7038.N1	21-APR-2011 01:50:16	Bright	45.000	180	27Gam Boo	3.0400	8000.0	90	47790	No
26	GOM_TRA_1PNPDE20110421_015154_000000443101_00362_47790_7039.N1	21-APR-2011 01:51:54	Bright	44.000	39	85Eta UMa	1.8540	24000.	88	47790	No
27	GOM_TRA_1PNPDE20110421_015959_000000483101_00362_47790_7040.N1	21-APR-2011 01:59:59	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	47790	No
28	GOM_TRA_1PNPDE20110421_020921_000000393101_00362_47790_7041.N1	21-APR-2011 02:09:21	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47790	No
29	GOM_TRA_1PNPDE20110421_021435_000000523101_00362_47790_7042.N1	21-APR-2011 02:14:35	Bright	51.500	19	50Alp Cyg	1.2460	10500.	103	47790	No
30	GOM_TRA_1PNPDE20110421_021625_000000593101_00362_47790_7043.N1	21-APR-2011 02:16:25	Bright	59.000	66	37Gam Cyg	2.2080	5900.0	118	47790	No
31	GOM_TRA_1PNPDE20110421_021916_000000623101_00362_47790_7044.N1	21-APR-2011 02:19:16	Bright	61.500	92	53Eps Cyg	2.5000	4500.0	123	47790	No
32	GOM_TRA_1PNPDE20110421_022715_000000563101_00362_47790_7041.N1	21-APR-2011 02:27:15	Dark	55.500	61	8Eps Peg	2.1000	3900.0	111	47790	No
33	GOM_TRA_1PNPDE20110421_022943_000000493101_00362_47790_7042.N1	21-APR-2011 02:29:43	Dark	48.500	162	34Alp Aqr	2.9440	5350.0	97	47790	No
34	GOM_TRA_1PNPDE20110421_023240_000000503101_00362_47790_7043.N1	21-APR-2011 02:32:40	Dark	50.000	154	22Bet Aqr	2.8990	5700.0	100	47790	No
35	GOM_TRA_1PNPDE20110421_023456_000000463101_00362_47790_7044.N1	21-APR-2011 02:34:56	Dark	46.000	142	49Del Cap	2.8500	8900.0	92	47790	No
36	GOM_TRA_1PNPDE20110421_025022_000000693101_00363_47791_7045.N1	21-APR-2011 02:50:22	Dark	69.000	103	38Zet Sgr	2.6000	9700.0	138	47791	No
37	GOM_TRA_1PNPDE20110421_025340_000000643101_00363_47791_7046.N1	21-APR-2011 02:53:40	Dark	64.000	38	20Eps Sgr	1.8360	11000.	128	47791	No
38	GOM_TRA_1PNPDE20110421_025534_000000563101_00363_47791_7047.N1	21-APR-2011 02:55:34	Straylight	55.500	178	lot1Sco	3.0220	6550.0	111	47791	No
39	GOM_TRA_1PNPDE20110421_025712_000000663101_00363_47791_7048.N1	21-APR-2011 02:57:12	Straylight	65.500	25	35Lam Sco	1.6200	28000.	131	47791	No
40	GOM_TRA_1PNPDE20110421_030051_000000653101_00363_47791_7049.N1	21-APR-2011 03:00:51	Straylight	65.000	75	26Eps Sco	2.2910	4250.0	130	47791	No
41	GOM_TRA_1PNPDE20110421_030357_000000403101_00363_47791_7050.N1	21-APR-2011 03:03:57	Straylight	40.000	136	23Tau Sco	2.8220	30000.	80	47791	No
42	GOM_TRA_1PNPDE20110421_030752_000000373101_00363_47791_7051.N1	21-APR-2011 03:07:52	Tw_i_and_stray	37.000	80	7Del Sco	2.3160	30000.	74	47791	No
43	GOM_TRA_1PNPDE20110421_031137_000000543101_00363_47791_7052.N1	21-APR-2011 03:11:37	Bright	53.500	122	9Alp2Lib	2.7470	9700.0	107	47791	No
44	GOM_TRA_1PNPDE20110421_031422_000000493101_00363_47791_7053.N1	21-APR-2011 03:14:22	Bright	49.000	104	27Bet Lib	2.6140	13100.	98	47791	No
45	GOM_TRA_1PNPDE20110421_032307_000000443101_00363_47791_7054.N1	21-APR-2011 03:23:07	Bright	44.000	111	8Eta Boo	2.6800	6000.0	88	47791	No
46	GOM_TRA_1PNPDE20110421_032742_000000523101_00363_47791_7055.N1	21-APR-2011 03:27:42	Bright	51.500	83		2.3780	11000.	103	47791	No
47	GOM_TRA_1PNPDE20110421_033029_000000533101_00363_47791_7056.N1	21-APR-2011 03:30:29	Bright	53.000	180	27Gam Boo	3.0400	8000.0	106	47791	No
48	GOM_TRA_1PNPDE20110421_033208_000000393101_00363_47791_7057.N1	21-APR-2011 03:32:08	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	47791	No
49	GOM_TRA_1PNPDE20110421_034012_000000423101_00363_47791_7058.N1	21-APR-2011 03:40:12	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	47791	No
50	GOM_TRA_1PNPDE20110421_034935_000000403101_00363_47791_7073.N1	21-APR-2011 03:49:35	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	47791	No
51	GOM_TRA_1PNPDE20110421_035449_000000533101_00363_47791_7074.N1	21-APR-2011 03:54:49	Bright	53.000	19	50Alp Cyg	1.2460	10500.	106	47791	No
52	GOM_TRA_1PNPDE20110421_035639_000000643101_00363_47791_7075.N1	21-APR-2011 03:56:39	Bright	64.000	66	37Gam Cyg	2.2080	5900.0	128	47791	No
53	GOM_TRA_1PNPDE20110421_035931_000000643101_00363_47791_7076.N1	21-APR-2011 03:59:31	Tw_i_and_stray	64.000	92	53Eps Cyg	2.5000	4500.0	128	47791	No
54	GOM_TRA_1PNPDE20110421_040730_000000583101_00363_47791_7077.N1	21-APR-2011 04:07:30	Dark	58.000	61	8Eps Peg	2.1000	3900.0	116	47791	No
55	GOM_TRA_1PNPDE20110421_040958_000000503101_00363_47791_7078.N1	21-APR-2011 04:09:58	Dark	49.500	162	34Alp Aqr	2.9440	5350.0	99	47791	No
56	GOM_TRA_1PNPDE20110421_041255_000000523101_00363_47791_7079.N1	21-APR-2011 04:12:55	Dark	52.000	154	22Bet Aqr	2.8990	5700.0	104	47791	No
57	GOM_TRA_1PNPDE20110421_041511_000000483101_00363_47791_7080.N1	21-APR-2011 04:15:11	Dark	47.500	142	49Del Cap	2.8500	8900.0	95	47791	No
58	GOM_TRA_1PNPDE20110421_043038_000000683101_00364_47792_7081.N1	21-APR-2011 04:30:38	Dark	68.000	103	38Zet Sgr	2.6000	9700.0	136	47792	No
59	GOM_TRA_1PNPDE20110421_043355_000000643101_00364_47792_7082.N1	21-APR-2011 04:33:55	Dark	64.000	38	20Eps Sgr	1.8360	11000.	128	47792	No
60	GOM_TRA_1PNPDE20110421_043549_000000543101_00364_47792_7083.N1	21-APR-2011 04:35:49	Straylight	54.000	178	lot1Sco	3.0220	6550.0	108	47792	No
61	GOM_TRA_1PNPDE20110421_043727_000000613101_00364_47792_7084.N1	21-APR-2011 04:37:27	Straylight	61.000	25	35Lam Sco	1.6200	28000.	122	47792	No
62	GOM_TRA_1PNPDE20110421_044106_000000693101_00364_47792_7085.N1	21-APR-2011 04:41:06	Straylight	68.500	75	26Eps Sco	2.2910	4250.0	137	47792	No
63	GOM_TRA_1PNPDE20110421_044413_000000423101_00364_47792_7086.N1	21-APR-2011 04:44:13	Straylight	42.000	136	23Tau Sco	2.8220	30000.	84	47792	No
64	GOM_TRA_1PNPDE20110421_044806_000000413101_00364_47792_7087.N1	21-APR-2011 04:48:06	Tw_i_and_stray	41.000	80	7Del Sco	2.3160	30000.	82	47792	No
65	GOM_TRA_1PNPDE20110421_045151_000000703101_00364_47792_7088.N1	21-APR-2011 04:51:51	Bright	70.000	122	9Alp2Lib	2.7470	9700.0	140	47792	No
66	GOM_TRA_1PNPDE20110421_045436_000000553101_00364_47792_7089.N1	21-APR-2011 04:54:36	Bright	55.000	104	27Bet Lib	2.6140	13100.	110	47792	No
67	GOM_TRA_1PNPDE20110421_050320_000000443101_00364_47792_7090.N1	21-APR-2011 05:03:20	Bright	43.500	111	8Eta Boo	2.6800	6000.0	87	47792	No
68	GOM_TRA_1PNPDE20110421_050756_000000533101_00364_47792_7091.N1	21-APR-2011 05:07:56	Bright	53.000	83		2.3780	11000.	106	47792	No
69	GOM_TRA_1PNPDE20110421_051043_000000493101_00364_47792_7092.N1	21-APR-2011 05:10:43	Bright	48.500	180	27Gam Boo	3.0400	8000.0	97	47792	No
70	GOM_TRA_1PNPDE20110421_051221_000000493101_00364_47792_7093.N1	21-APR-2011 05:12:21	Bright	49.000	39	85Eta UMa	1.8540	24000.	98	47792	No
71	GOM_TRA_1PNPDE20110421_052025_000000473101_00364_47792_7094.N1	21-APR-2011 05:20:25	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	47792	No

72	GOM_TRA_1PNPDE20110421_052949_000000593101_00364_47792_7095.N1	21-APR-2011 05:29:49	Bright	59.000	89	5Alp Cep	2.4510	8000.0	118	47792	No
73	GOM_TRA_1PNPDE20110421_053503_000000543101_00364_47792_7096.N1	21-APR-2011 05:35:03	Bright	53.500	19	50Alp Cyg	1.2460	10500.	107	47792	No
74	GOM_TRA_1PNPDE20110421_053653_000000603101_00364_47792_7097.N1	21-APR-2011 05:36:53	Bright	60.000	66	37Gam Cyg	2.2080	5900.0	120	47792	No
75	GOM_TRA_1PNPDE20110421_053945_000000593101_00364_47792_7098.N1	21-APR-2011 05:39:45	Tw_i_and_stray	58.500	92	53Eps Cyg	2.5000	4500.0	117	47792	No
76	GOM_TRA_1PNPDE20110421_054744_000000533101_00364_47792_7099.N1	21-APR-2011 05:47:44	Dark	53.000	61	8Eps Peg	2.1000	3900.0	106	47792	No
77	GOM_TRA_1PNPDE20110421_055013_000000513101_00364_47792_7100.N1	21-APR-2011 05:50:13	Dark	50.500	162	34Alp Aqr	2.9440	5350.0	101	47792	No
78	GOM_TRA_1PNPDE20110421_055310_000000523101_00364_47792_7101.N1	21-APR-2011 05:53:10	Dark	51.500	154	22Bet Aqr	2.8990	5700.0	103	47792	No
79	GOM_TRA_1PNPDE20110421_055526_000000513101_00364_47792_7102.N1	21-APR-2011 05:55:26	Dark	50.500	142	49Del Cap	2.8500	8900.0	101	47792	No
80	GOM_TRA_1PNPDE20110421_061054_000000683101_00365_47793_7103.N1	21-APR-2011 06:10:54	Dark	68.000	103	38Zet Sgr	2.6000	9700.0	136	47793	No
81	GOM_TRA_1PNPDE20110421_061411_000000623101_00365_47793_7104.N1	21-APR-2011 06:14:11	Dark	62.000	38	20Eps Sgr	1.8360	11000.	124	47793	No
82	GOM_TRA_1PNPDE20110421_061604_000000563101_00365_47793_7105.N1	21-APR-2011 06:16:04	Straylight	55.500	178	lot1Sco	3.0220	6550.0	111	47793	No
83	GOM_TRA_1PNPDE20110421_061742_000000673101_00365_47793_7106.N1	21-APR-2011 06:17:42	Straylight	66.500	25	35Lam Sco	1.6200	28000.	133	47793	No
84	GOM_TRA_1PNPDE20110421_062121_000000683101_00365_47793_7107.N1	21-APR-2011 06:21:21	Straylight	68.000	75	26Eps Sco	2.2910	4250.0	136	47793	No
85	GOM_TRA_1PNPDE20110421_062427_000000423101_00365_47793_7108.N1	21-APR-2011 06:24:27	Straylight	42.000	136	23Tau Sco	2.8220	30000.	84	47793	No
86	GOM_TRA_1PNPDE20110421_062821_000000413101_00365_47793_7109.N1	21-APR-2011 06:28:21	Tw_i_and_stray	41.000	80	7Del Sco	2.3160	30000.	82	47793	No
87	GOM_TRA_1PNPDE20110421_063205_000000573101_00365_47793_7110.N1	21-APR-2011 06:32:05	Bright	57.000	122	9Alp2Lib	2.7470	9700.0	114	47793	No
88	GOM_TRA_1PNPDE20110421_063450_000000553101_00365_47793_7111.N1	21-APR-2011 06:34:50	Bright	55.000	104	27Bet Lib	2.6140	13100.	110	47793	No
89	GOM_TRA_1PNPDE20110421_064334_000000423101_00365_47793_7112.N1	21-APR-2011 06:43:34	Bright	41.500	111	8Eta Boo	2.6800	6000.0	83	47793	No
90	GOM_TRA_1PNPDE20110421_064809_000000563101_00365_47793_7113.N1	21-APR-2011 06:48:09	Bright	55.500	83		2.3780	11000.	111	47793	No
91	GOM_TRA_1PNPDE20110421_065056_000000453101_00365_47793_7114.N1	21-APR-2011 06:50:56	Bright	44.500	180	27Gam Boo	3.0400	8000.0	89	47793	No
92	GOM_TRA_1PNPDE20110421_065235_000000403101_00365_47793_7115.N1	21-APR-2011 06:52:35	Bright	40.000	39	85Eta UMa	1.8540	24000.	80	47793	No
93	GOM_TRA_1PNPDE20110421_070039_000000483101_00365_47793_7116.N1	21-APR-2011 07:00:39	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	47793	No
94	GOM_TRA_1PNPDK20110421_071003_000000393101_00365_47793_6824.N1	21-APR-2011 07:10:03	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	47793	No
95	GOM_TRA_1PNPDK20110421_071516_000000543101_00365_47793_6825.N1	21-APR-2011 07:15:16	Bright	53.500	19	50Alp Cyg	1.2460	10500.	107	47793	No
96	GOM_TRA_1PNPDK20110421_071706_000000653101_00365_47793_6826.N1	21-APR-2011 07:17:06	Bright	65.000	66	37Gam Cyg	2.2080	5900.0	130	47793	No
97	GOM_TRA_1PNPDK20110421_071959_000000643101_00365_47793_6827.N1	21-APR-2011 07:19:59	Tw_i_and_stray	64.000	92	53Eps Cyg	2.5000	4500.0	128	47793	No
98	GOM_TRA_1PNPDK20110421_072759_000000593101_00365_47793_6828.N1	21-APR-2011 07:27:59	Dark	58.500	61	8Eps Peg	2.1000	3900.0	117	47793	No
99	GOM_TRA_1PNPDK20110421_073027_000000493101_00365_47793_6829.N1	21-APR-2011 07:30:27	Dark	48.500	162	34Alp Aqr	2.9440	5350.0	97	47793	No
100	GOM_TRA_1PNPDK20110421_073324_000000513101_00365_47793_6830.N1	21-APR-2011 07:33:24	Dark	51.000	154	22Bet Aqr	2.8990	5700.0	102	47793	No
101	GOM_TRA_1PNPDK20110421_073541_000000463101_00365_47793_6831.N1	21-APR-2011 07:35:41	Dark	46.000	142	49Del Cap	2.8500	8900.0	92	47793	No
102	GOM_TRA_1PNPDK20110421_075110_000000683101_00366_47794_6832.N1	21-APR-2011 07:51:10	Dark	67.500	103	38Zet Sgr	2.6000	9700.0	135	47794	No
103	GOM_TRA_1PNPDK20110421_075426_000000693101_00366_47794_6833.N1	21-APR-2011 07:54:26	Dark	68.500	38	20Eps Sgr	1.8360	11000.	137	47794	No
104	GOM_TRA_1PNPDK20110421_075628_000000603101_00366_47794_6834.N1	21-APR-2011 07:56:28	Straylight	59.500	40	The Sco	1.8590	7100.0	119	47794	No
105	GOM_TRA_1PNPDK20110421_075806_000000583101_00366_47794_6835.N1	21-APR-2011 07:58:06	Straylight	57.500	115	34Ups Sco	2.6960	26000.	115	47794	No
106	GOM_TRA_1PNPDK20110421_080136_000000693101_00366_47794_6836.N1	21-APR-2011 08:01:36	Straylight	68.500	75	26Eps Sco	2.2910	4250.0	137	47794	No
107	GOM_TRA_1PNPDK20110421_080442_000000453101_00366_47794_6837.N1	21-APR-2011 08:04:42	Straylight	45.000	136	23Tau Sco	2.8220	30000.	90	47794	No
108	GOM_TRA_1PNPDK20110421_080835_000000453101_00366_47794_6838.N1	21-APR-2011 08:08:35	Tw_i_and_stray	45.000	80	7Del Sco	2.3160	30000.	90	47794	No
109	GOM_TRA_1PNPDK20110421_081220_000000573101_00366_47794_6839.N1	21-APR-2011 08:12:20	Bright	56.500	122	9Alp2Lib	2.7470	9700.0	113	47794	No
110	GOM_TRA_1PNPDK20110421_081504_000000603101_00366_47794_6864.N1	21-APR-2011 08:15:04	Bright	60.000	104	27Bet Lib	2.6140	13100.	120	47794	No
111	GOM_TRA_1PNPDK20110421_082348_000000553101_00366_47794_6865.N1	21-APR-2011 08:23:48	Bright	54.500	111	8Eta Boo	2.6800	6000.0	109	47794	No
112	GOM_TRA_1PNPDK20110421_082822_000000533101_00366_47794_6866.N1	21-APR-2011 08:28:22	Bright	53.000	83		2.3780	11000.	106	47794	No
113	GOM_TRA_1PNPDK20110421_083109_000000453101_00366_47794_6867.N1	21-APR-2011 08:31:09	Bright	44.500	180	27Gam Boo	3.0400	8000.0	89	47794	No
114	GOM_TRA_1PNPDK20110421_083249_000000383101_00366_47794_6868.N1	21-APR-2011 08:32:49	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	47794	No
115	GOM_TRA_1PNPDK20110421_084052_000000423101_00366_47794_6869.N1	21-APR-2011 08:40:52	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	47794	No
116	GOM_TRA_1PNPDK20110421_085017_000000423101_00366_47794_6870.N1	21-APR-2011 08:50:17	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	47794	No
117	GOM_TRA_1PNPDK20110421_085530_000000543101_00366_47794_6871.N1	21-APR-2011 08:55:30	Bright	53.500	19	50Alp Cyg	1.2460	10500.	107	47794	No
118	GOM_TRA_1PNPDK20110421_085720_000000603101_00366_47794_6872.N1	21-APR-2011 08:57:20	Bright	59.500	66	37Gam Cyg	2.2080	5900.0	119	47794	No
119	GOM_TRA_1PNPDK20110421_090013_000000653101_00366_47794_6873.N1	21-APR-2011 09:00:13	Tw_i_and_stray	65.000	92	53Eps Cyg	2.5000	4500.0	130	47794	No
120	GOM_TRA_1PNPDK20110421_090814_000000563101_00366_47794_6874.N1	21-APR-2011 09:08:14	Dark	55.500	61	8Eps Peg	2.1000	3900.0	111	47794	No
121	GOM_TRA_1PNPDK20110421_091041_000000493101_00366_47794_6875.N1	21-APR-2011 09:10:41	Dark	48.500	162	34Alp Aqr	2.9440	5350.0	97	47794	No
122	GOM_TRA_1PNPDK20110421_091339_000000523101_00366_47794_6876.N1	21-APR-2011 09:13:39	Dark	51.500	154	22Bet Aqr	2.8990	5700.0	103	47794	No
123	GOM_TRA_1PNPDK20110421_093125_000000693101_00367_47795_6877.N1	21-APR-2011 09:31:25	Dark	68.500	103	38Zet Sgr	2.6000	9700.0	137	47795	No
124	GOM_TRA_1PNPDK20110421_093442_000000723101_00367_47795_6878.N1	21-APR-2011 09:34:42	Dark	71.500	38	20Eps Sgr	1.8360	11000.	143	47795	No
125	GOM_TRA_1PNPDK20110421_093643_000000573101_00367_47795_6879.N1	21-APR-2011 09:36:43	Straylight	56.500	40	The Sco	1.8590	7100.0	113	47795	No
126	GOM_TRA_1PNPDK20110421_093822_000000593101_00367_47795_6880.N1	21-APR-2011 09:38:22	Straylight	58.500	115	34Ups Sco	2.6960	26000.	117	47795	No
127	GOM_TRA_1PNPDK20110421_094150_000000723101_00367_47795_6881.N1	21-APR-2011 09:41:50	Straylight	71.500	75	26Eps Sco	2.2910	4250.0	143	47795	No
128	GOM_TRA_1PNPDK20110421_094457_000000453101_00367_47795_6882.N1	21-APR-2011 09:44:57	Straylight	45.000	136	23Tau Sco	2.8220	30000.	90	47795	No
129	GOM_TRA_1PNPDK20110421_094850_000000453101_00367_47795_6883.N1	21-APR-2011 09:48:50	Tw_i_and_stray	45.000	80	7Del Sco	2.3160	30000.	90	47795	No
130	GOM_TRA_1PNPDK20110421_095234_000000573101_00367_47795_6884.N1	21-APR-2011 09:52:34	Bright	56.500	122	9Alp2Lib	2.7470	9700.0	113	47795	No

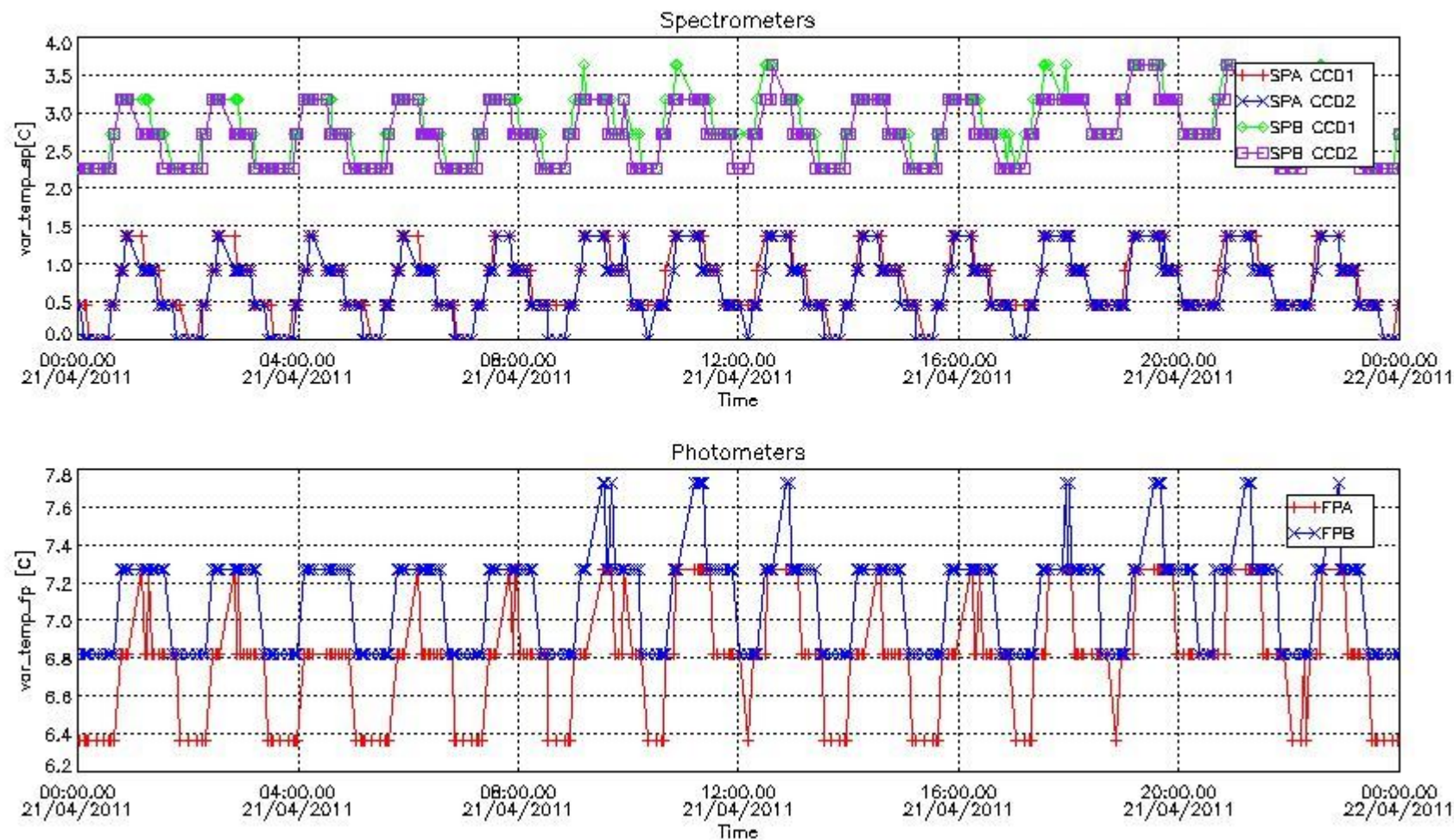
131	GOM_TRA_1PNPDK20110421_095518_000000603101_00367_47795_6917.N1	21-APR-2011 09:55:18	Bright	59.500	104	27Bet Lib	2.6140	13100.	119	47795	No
132	GOM_TRA_1PNPDK20110421_100401_000000433101_00367_47795_6918.N1	21-APR-2011 10:04:01	Bright	42.500	111	8Eta Boo	2.6800	6000.0	85	47795	No
133	GOM_TRA_1PNPDK20110421_100835_000000523101_00367_47795_6919.N1	21-APR-2011 10:08:35	Bright	51.500	83		2.3780	11000.	103	47795	No
134	GOM_TRA_1PNPDK20110421_101123_000000463101_00367_47795_6920.N1	21-APR-2011 10:11:23	Bright	46.000	180	27Gam Boo	3.0400	8000.0	92	47795	No
135	GOM_TRA_1PNPDK20110421_101302_000000423101_00367_47795_6921.N1	21-APR-2011 10:13:02	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	47795	No
136	GOM_TRA_1PNPDK20110421_102105_000000433101_00367_47795_6922.N1	21-APR-2011 10:21:05	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	47795	No
137	GOM_TRA_1PNPDK20110421_103030_000000423101_00367_47795_6923.N1	21-APR-2011 10:30:30	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	47795	No
138	GOM_TRA_1PNPDK20110421_103544_000000543101_00367_47795_6924.N1	21-APR-2011 10:35:44	Bright	53.500	19	50Alp Cyg	1.2460	10500.	107	47795	No
139	GOM_TRA_1PNPDK20110421_103734_000000843101_00367_47795_6925.N1	21-APR-2011 10:37:34	Bright	84.000	66	37Gam Cyg	2.2080	5900.0	168	47795	No
140	GOM_TRA_1PNPDK20110421_104027_000000643101_00367_47795_6926.N1	21-APR-2011 10:40:27	Twilight	64.000	92	53Eps Cyg	2.5000	4500.0	128	47795	No
141	GOM_TRA_1PNPDK20110421_104828_000000573101_00367_47795_6927.N1	21-APR-2011 10:48:28	Dark	56.500	61	8Eps Peg	2.1000	3900.0	113	47795	No
142	GOM_TRA_1PNPDK20110421_105056_000000503101_00367_47795_6928.N1	21-APR-2011 10:50:56	Dark	49.500	162	34Alp Aqr	2.9440	5350.0	99	47795	No
143	GOM_TRA_1PNPDK20110421_105354_000000523101_00367_47795_6929.N1	21-APR-2011 10:53:54	Dark	52.000	154	22Bet Aqr	2.8990	5700.0	104	47795	No
144	GOM_TRA_1PNPDK20110421_111141_000000673101_00368_47796_6930.N1	21-APR-2011 11:11:41	Dark	67.000	103	38Zet Sgr	2.6000	9700.0	134	47796	No
145	GOM_TRA_1PNPDK20110421_111457_000000653101_00368_47796_6931.N1	21-APR-2011 11:14:57	Dark	65.000	38	20Eps Sgr	1.8360	11000.	130	47796	No
146	GOM_TRA_1PNPDK20110421_111658_000000543101_00368_47796_6932.N1	21-APR-2011 11:16:58	Straylight	54.000	40	The Sco	1.8590	7100.0	108	47796	No
147	GOM_TRA_1PNPDK20110421_111837_000000603101_00368_47796_6933.N1	21-APR-2011 11:18:37	Straylight	59.500	115	34Ups Sco	2.6960	26000.	119	47796	No
148	GOM_TRA_1PNPDK20110421_112206_000000713101_00368_47796_6934.N1	21-APR-2011 11:22:06	Straylight	71.000	75	26Eps Sco	2.2910	4250.0	142	47796	No
149	GOM_TRA_1PNPDK20110421_112512_000000483101_00368_47796_6935.N1	21-APR-2011 11:25:12	Straylight	48.000	136	23Tau Sco	2.8220	30000.	96	47796	No
150	GOM_TRA_1PNPDK20110421_112904_000000493101_00368_47796_6936.N1	21-APR-2011 11:29:04	Twilight	49.000	80	7Del Sco	2.3160	30000.	98	47796	No
151	GOM_TRA_1PNPDK20110421_113248_000000553101_00368_47796_6937.N1	21-APR-2011 11:32:48	Bright	54.500	122	9Alp2Lib	2.7470	9700.0	109	47796	No
152	GOM_TRA_1PNPDK20110421_113532_000000553101_00368_47796_6944.N1	21-APR-2011 11:35:32	Bright	55.000	104	27Bet Lib	2.6140	13100.	110	47796	No
153	GOM_TRA_1PNPDK20110421_114415_000000513101_00368_47796_6945.N1	21-APR-2011 11:44:15	Bright	50.500	111	8Eta Boo	2.6800	6000.0	101	47796	No
154	GOM_TRA_1PNPDK20110421_114848_000000513101_00368_47796_6946.N1	21-APR-2011 11:48:48	Bright	51.000	83		2.3780	11000.	102	47796	No
155	GOM_TRA_1PNPDK20110421_115136_000000463101_00368_47796_6947.N1	21-APR-2011 11:51:36	Bright	46.000	180	27Gam Boo	3.0400	8000.0	92	47796	No
156	GOM_TRA_1PNPDK20110421_115316_000000593101_00368_47796_6948.N1	21-APR-2011 11:53:16	Bright	59.000	39	85Eta UMa	1.8540	24000.	118	47796	No
157	GOM_TRA_1PNPDK20110421_120119_000000453101_00368_47796_6949.N1	21-APR-2011 12:01:19	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	47796	No
158	GOM_TRA_1PNPDK20110421_121044_000000383101_00368_47796_6950.N1	21-APR-2011 12:10:44	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	47796	No
159	GOM_TRA_1PNPDK20110421_121558_000000533101_00368_47796_6951.N1	21-APR-2011 12:15:58	Bright	52.500	19	50Alp Cyg	1.2460	10500.	105	47796	No
160	GOM_TRA_1PNPDK20110421_121748_000000853101_00368_47796_6952.N1	21-APR-2011 12:17:48	Bright	85.000	66	37Gam Cyg	2.2080	5900.0	170	47796	No
161	GOM_TRA_1PNPDK20110421_122041_000000633101_00368_47796_6953.N1	21-APR-2011 12:20:41	Twilight	63.000	92	53Eps Cyg	2.5000	4500.0	126	47796	No
162	GOM_TRA_1PNPDK20110421_122843_000000573101_00368_47796_6954.N1	21-APR-2011 12:28:43	Dark	57.000	61	8Eps Peg	2.1000	3900.0	114	47796	No
163	GOM_TRA_1PNPDK20110421_123111_000000483101_00368_47796_6955.N1	21-APR-2011 12:31:11	Dark	47.500	162	34Alp Aqr	2.9440	5350.0	95	47796	No
164	GOM_TRA_1PNPDK20110421_123409_000000563101_00368_47796_6956.N1	21-APR-2011 12:34:09	Dark	56.000	154	22Bet Aqr	2.8990	5700.0	112	47796	No
165	GOM_TRA_1PNPDK20110421_123625_000000473101_00368_47796_6957.N1	21-APR-2011 12:36:25	Dark	46.500	142	49Del Cap	2.8500	8900.0	93	47796	No
166	GOM_TRA_1PNPDK20110421_125157_000000683101_00369_47797_6958.N1	21-APR-2011 12:51:57	Dark	68.000	103	38Zet Sgr	2.6000	9700.0	136	47797	No
167	GOM_TRA_1PNPDK20110421_125513_000000643101_00369_47797_6959.N1	21-APR-2011 12:55:13	Dark	63.500	38	20Eps Sgr	1.8360	11000.	127	47797	No
168	GOM_TRA_1PNPDK20110421_125713_000000533101_00369_47797_6960.N1	21-APR-2011 12:57:13	Straylight	53.000	40	The Sco	1.8590	7100.0	106	47797	No
169	GOM_TRA_1PNPDK20110421_125852_000000583101_00369_47797_6961.N1	21-APR-2011 12:58:52	Straylight	57.500	115	34Ups Sco	2.6960	26000.	115	47797	No
170	GOM_TRA_1PNPDK20110421_130220_000000633101_00369_47797_6962.N1	21-APR-2011 13:02:20	Straylight	62.500	75	26Eps Sco	2.2910	4250.0	125	47797	No
171	GOM_TRA_1PNPDK20110421_130526_000000483101_00369_47797_6963.N1	21-APR-2011 13:05:26	Straylight	48.000	136	23Tau Sco	2.8220	30000.	96	47797	No
172	GOM_TRA_1PNPDK20110421_130918_000000493101_00369_47797_6964.N1	21-APR-2011 13:09:18	Twilight	49.000	80	7Del Sco	2.3160	30000.	98	47797	No
173	GOM_TRA_1PNPDK20110421_131302_000000553101_00369_47797_6995.N1	21-APR-2011 13:13:02	Bright	55.000	122	9Alp2Lib	2.7470	9700.0	110	47797	No
174	GOM_TRA_1PNPDK20110421_131546_000000603101_00369_47797_6996.N1	21-APR-2011 13:15:46	Bright	59.500	104	27Bet Lib	2.6140	13100.	119	47797	No
175	GOM_TRA_1PNPDK20110421_132428_000000513101_00369_47797_6997.N1	21-APR-2011 13:24:28	Bright	51.000	111	8Eta Boo	2.6800	6000.0	102	47797	No
176	GOM_TRA_1PNPDK20110421_132902_000000543101_00369_47797_6998.N1	21-APR-2011 13:29:02	Bright	54.000	83		2.3780	11000.	108	47797	No
177	GOM_TRA_1PNPDK20110421_133149_000000583101_00369_47797_6999.N1	21-APR-2011 13:31:49	Bright	57.500	180	27Gam Boo	3.0400	8000.0	115	47797	No
178	GOM_TRA_1PNPDK20110421_133329_000000433101_00369_47797_7000.N1	21-APR-2011 13:33:29	Bright	42.500	39	85Eta UMa	1.8540	24000.	85	47797	No
179	GOM_TRA_1PNPDK20110421_134132_000000473101_00369_47797_7001.N1	21-APR-2011 13:41:32	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	47797	No
180	GOM_TRA_1PNPDK20110421_135058_000000403101_00369_47797_7002.N1	21-APR-2011 13:50:58	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	47797	No
181	GOM_TRA_1PNPDK20110421_135611_000000543101_00369_47797_7003.N1	21-APR-2011 13:56:11	Bright	53.500	19	50Alp Cyg	1.2460	10500.	107	47797	No
182	GOM_TRA_1PNPDK20110421_135801_000000613101_00369_47797_7004.N1	21-APR-2011 13:58:01	Bright	60.500	66	37Gam Cyg	2.2080	5900.0	121	47797	No
183	GOM_TRA_1PNPDK20110421_140055_000000663101_00369_47797_7005.N1	21-APR-2011 14:00:55	Twilight	65.500	92	53Eps Cyg	2.5000	4500.0	131	47797	No
184	GOM_TRA_1PNPDK20110421_140857_000000553101_00369_47797_7006.N1	21-APR-2011 14:08:57	Dark	54.500	61	8Eps Peg	2.1000	3900.0	109	47797	No
185	GOM_TRA_1PNPDK20110421_141125_000000473101_00369_47797_7007.N1	21-APR-2011 14:11:25	Dark	47.000	162	34Alp Aqr	2.9440	5350.0	94	47797	No
186	GOM_TRA_1PNPDK20110421_141424_000000543101_00369_47797_7008.N1	21-APR-2011 14:14:24	Dark	53.500	154	22Bet Aqr	2.8990	5700.0	107	47797	No
187	GOM_TRA_1PNPDK20110421_141639_000000473101_00369_47797_7009.N1	21-APR-2011 14:16:39	Dark	46.500	142	49Del Cap	2.8500	8900.0	93	47797	No
188	GOM_TRA_1PNPDK20110421_143212_000000683101_00370_47798_7010.N1	21-APR-2011 14:32:12	Dark	68.000	103	38Zet Sgr	2.6000	9700.0	136	47798	No
189	GOM_TRA_1PNPDK20110421_143528_000000653101_00370_47798_7011.N1	21-APR-2011 14:35:28	Dark	64.500	38	20Eps Sgr	1.8360	11000.	129	47798	No

190	GOM_TRA_1PNPDK20110421_143728_000000523101_00370_47798_7012.N1	21-APR-2011 14:37:28	Straylight	52.000	40	The Sco	1.8590	7100.0	104	47798	No
191	GOM_TRA_1PNPDK20110421_143907_000000593101_00370_47798_7013.N1	21-APR-2011 14:39:07	Straylight	59.000	115	34Ups Sco	2.6960	26000.	118	47798	No
192	GOM_TRA_1PNPDK20110421_144235_000000673101_00370_47798_7014.N1	21-APR-2011 14:42:35	Straylight	66.500	75	26Eps Sco	2.2910	4250.0	133	47798	No
193	GOM_TRA_1PNPDK20110421_144541_000000503101_00370_47798_7015.N1	21-APR-2011 14:45:41	Straylight	50.000	136	23Tau Sco	2.8220	30000.	100	47798	No
194	GOM_TRA_1PNPDK20110421_144933_000000533101_00370_47798_7016.N1	21-APR-2011 14:49:33	Tw_i_and_stray	52.500	80	7Del Sco	2.3160	30000.	105	47798	No
195	GOM_TRA_1PNPDK20110421_145316_000000523101_00370_47798_7028.N1	21-APR-2011 14:53:16	Bright	52.000	122	9Alp2Lib	2.7470	9700.0	104	47798	No
196	GOM_TRA_1PNPDK20110421_145559_000000593101_00370_47798_7029.N1	21-APR-2011 14:55:59	Bright	59.000	104	27Bet Lib	2.6140	13100.	118	47798	No
197	GOM_TRA_1PNPDK20110421_150442_000000513101_00370_47798_7030.N1	21-APR-2011 15:04:42	Bright	51.000	111	8Eta Boo	2.6800	6000.0	102	47798	No
198	GOM_TRA_1PNPDK20110421_150915_000000533101_00370_47798_7031.N1	21-APR-2011 15:09:15	Bright	53.000	83		2.3780	11000.	106	47798	No
199	GOM_TRA_1PNPDK20110421_151202_000000453101_00370_47798_7032.N1	21-APR-2011 15:12:02	Bright	44.500	180	27Gam Boo	3.0400	8000.0	89	47798	No
200	GOM_TRA_1PNPDK20110421_151343_000000493101_00370_47798_7033.N1	21-APR-2011 15:13:43	Bright	49.000	39	85Eta UMa	1.8540	24000.	98	47798	No
201	GOM_TRA_1PNPDK20110421_152145_000000453101_00370_47798_7034.N1	21-APR-2011 15:21:45	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	47798	No
202	GOM_TRA_1PNPDK20110421_153111_000000423101_00370_47798_7035.N1	21-APR-2011 15:31:11	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	47798	No
203	GOM_TRA_1PNPDK20110421_153625_000000533101_00370_47798_7036.N1	21-APR-2011 15:36:25	Bright	52.500	19	50Alp Cyg	1.2460	10500.	105	47798	No
204	GOM_TRA_1PNPDK20110421_153815_000000633101_00370_47798_7037.N1	21-APR-2011 15:38:15	Bright	63.000	66	37Gam Cyg	2.2080	5900.0	126	47798	No
205	GOM_TRA_1PNPDK20110421_154109_000000603101_00370_47798_7038.N1	21-APR-2011 15:41:09	Tw_i_and_stray	59.500	92	53Eps Cyg	2.5000	4500.0	119	47798	No
206	GOM_TRA_1PNPDK20110421_154912_000000573101_00370_47798_7039.N1	21-APR-2011 15:49:12	Dark	57.000	61	8Eps Peg	2.1000	3900.0	114	47798	No
207	GOM_TRA_1PNPDK20110421_155140_000000473101_00370_47798_7040.N1	21-APR-2011 15:51:40	Dark	47.000	162	34Alp Aqr	2.9440	5350.0	94	47798	No
208	GOM_TRA_1PNPDK20110421_155438_000000563101_00370_47798_7041.N1	21-APR-2011 15:54:38	Dark	55.500	154	22Bet Aqr	2.8990	5700.0	111	47798	No
209	GOM_TRA_1PNPDK20110421_155654_000000483101_00370_47798_7042.N1	21-APR-2011 15:56:54	Dark	47.500	142	49Del Cap	2.8500	8900.0	95	47798	No
210	GOM_TRA_1PNPDK20110421_161228_000000663101_00371_47799_7043.N1	21-APR-2011 16:12:28	Dark	66.000	103	38Zet Sgr	2.6000	9700.0	132	47799	No
211	GOM_TRA_1PNPDK20110421_161544_000000663101_00371_47799_7044.N1	21-APR-2011 16:15:44	Dark	65.500	38	20Eps Sgr	1.8360	11000.	131	47799	No
212	GOM_TRA_1PNPDK20110421_161743_000000543101_00371_47799_7045.N1	21-APR-2011 16:17:43	Straylight	54.000	40	The Sco	1.8590	7100.0	108	47799	No
213	GOM_TRA_1PNPDK20110421_161922_000000603101_00371_47799_7046.N1	21-APR-2011 16:19:22	Straylight	59.500	115	34Ups Sco	2.6960	26000.	119	47799	No
214	GOM_TRA_1PNPDK20110421_162250_000000653101_00371_47799_7047.N1	21-APR-2011 16:22:50	Straylight	64.500	75	26Eps Sco	2.2910	4250.0	129	47799	No
215	GOM_TRA_1PNPDK20110421_162556_000000503101_00371_47799_7048.N1	21-APR-2011 16:25:56	Straylight	49.500	136	23Tau Sco	2.8220	30000.	99	47799	No
216	GOM_TRA_1PNPDK20110421_162947_000000533101_00371_47799_7058.N1	21-APR-2011 16:29:47	Tw_i_and_stray	53.000	80	7Del Sco	2.3160	30000.	106	47799	No
217	GOM_TRA_1PNPDK20110421_163330_000000513101_00371_47799_7059.N1	21-APR-2011 16:33:30	Bright	50.500	122	9Alp2Lib	2.7470	9700.0	101	47799	No
218	GOM_TRA_1PNPDK20110421_163614_000000583101_00371_47799_7060.N1	21-APR-2011 16:36:14	Bright	57.500	104	27Bet Lib	2.6140	13100.	115	47799	No
219	GOM_TRA_1PNPDK20110421_164456_000000433101_00371_47799_7061.N1	21-APR-2011 16:44:56	Bright	43.000	111	8Eta Boo	2.6800	6000.0	86	47799	No
220	GOM_TRA_1PNPDK20110421_164928_000000543101_00371_47799_7062.N1	21-APR-2011 16:49:28	Bright	53.500	83		2.3780	11000.	107	47799	No
221	GOM_TRA_1PNPDK20110421_165216_000000453101_00371_47799_7063.N1	21-APR-2011 16:52:16	Bright	45.000	180	27Gam Boo	3.0400	8000.0	90	47799	No
222	GOM_TRA_1PNPDK20110421_165357_000000413101_00371_47799_7064.N1	21-APR-2011 16:53:57	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	47799	No
223	GOM_TRA_1PNPDK20110421_170159_000000453101_00371_47799_7065.N1	21-APR-2011 17:01:59	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	47799	No
224	GOM_TRA_1PNPDK20110421_171125_000000413101_00371_47799_7066.N1	21-APR-2011 17:11:25	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	47799	No
225	GOM_TRA_1PNPDK20110421_171639_000000533101_00371_47799_7067.N1	21-APR-2011 17:16:39	Bright	52.500	19	50Alp Cyg	1.2460	10500.	105	47799	No
226	GOM_TRA_1PNPDK20110421_171829_000000853101_00371_47799_7068.N1	21-APR-2011 17:18:29	Bright	85.000	66	37Gam Cyg	2.2080	5900.0	170	47799	No
227	GOM_TRA_1PNPDK20110421_172123_000000613101_00371_47799_7069.N1	21-APR-2011 17:21:23	Tw_i_and_stray	60.500	92	53Eps Cyg	2.5000	4500.0	121	47799	No
228	GOM_TRA_1PNPDK20110421_172927_000000583101_00371_47799_7070.N1	21-APR-2011 17:29:27	Dark	58.000	61	8Eps Peg	2.1000	3900.0	116	47799	No
229	GOM_TRA_1PNPDK20110421_173154_000000493101_00371_47799_7071.N1	21-APR-2011 17:31:54	Dark	49.000	162	34Alp Aqr	2.9440	5350.0	98	47799	No
230	GOM_TRA_1PNPDK20110421_173453_000000513101_00371_47799_7072.N1	21-APR-2011 17:34:53	Dark	50.500	154	22Bet Aqr	2.8990	5700.0	101	47799	No
231	GOM_TRA_1PNPDK20110421_173709_000000443101_00371_47799_7073.N1	21-APR-2011 17:37:09	Dark	44.000	142	49Del Cap	2.8500	8900.0	88	47799	No
232	GOM_TRA_1PNPDK20110421_175244_000000693101_00372_47800_7074.N1	21-APR-2011 17:52:44	Dark	69.000	103	38Zet Sgr	2.6000	9700.0	138	47800	No
233	GOM_TRA_1PNPDK20110421_175559_000000663101_00372_47800_7075.N1	21-APR-2011 17:55:59	Dark	66.000	38	20Eps Sgr	1.8360	11000.	132	47800	No
234	GOM_TRA_1PNPDK20110421_175758_000000543101_00372_47800_7076.N1	21-APR-2011 17:57:58	Straylight	53.500	40	The Sco	1.8590	7100.0	107	47800	No
235	GOM_TRA_1PNPDK20110421_175937_000000583101_00372_47800_7077.N1	21-APR-2011 17:59:37	Straylight	58.000	115	34Ups Sco	2.6960	26000.	116	47800	No
236	GOM_TRA_1PNPDK20110421_180305_000000663101_00372_47800_7078.N1	21-APR-2011 18:03:05	Straylight	65.500	75	26Eps Sco	2.2910	4250.0	131	47800	No
237	GOM_TRA_1PNPDK20110421_180611_000000533101_00372_47800_7092.N1	21-APR-2011 18:06:11	Straylight	53.000	136	23Tau Sco	2.8220	30000.	106	47800	No
238	GOM_TRA_1PNPDK20110421_180800_000000273101_00372_47800_7093.N1	21-APR-2011 18:08:00	Tw_i_and_stray	27.000	156	20Sig Sco	2.9030	28000.	54	47800	No
239	GOM_TRA_1PNPDK20110421_181002_000000583101_00372_47800_7094.N1	21-APR-2011 18:10:02	Tw_i_and_stray	58.000	80	7Del Sco	2.3160	30000.	116	47800	No
240	GOM_TRA_1PNPDK20110421_181344_000000503101_00372_47800_7095.N1	21-APR-2011 18:13:44	Bright	49.500	122	9Alp2Lib	2.7470	9700.0	99	47800	No
241	GOM_TRA_1PNPDK20110421_181627_000000583101_00372_47800_7096.N1	21-APR-2011 18:16:27	Bright	58.000	104	27Bet Lib	2.6140	13100.	116	47800	No
242	GOM_TRA_1PNPDK20110421_182510_000000433101_00372_47800_7097.N1	21-APR-2011 18:25:10	Bright	43.000	111	8Eta Boo	2.6800	6000.0	86	47800	No
243	GOM_TRA_1PNPDK20110421_182941_000000543101_00372_47800_7098.N1	21-APR-2011 18:29:41	Bright	54.000	83		2.3780	11000.	108	47800	No
244	GOM_TRA_1PNPDK20110421_183229_000000443101_00372_47800_7099.N1	21-APR-2011 18:32:29	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	47800	No
245	GOM_TRA_1PNPDK20110421_183410_000000413101_00372_47800_7100.N1	21-APR-2011 18:34:10	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	47800	No
246	GOM_TRA_1PNPDK20110421_184212_000000473101_00372_47800_7101.N1	21-APR-2011 18:42:12	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	47800	No
247	GOM_TRA_1PNPDK20110421_185139_000000413101_00372_47800_7102.N1	21-APR-2011 18:51:39	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	47800	No
248	GOM_TRA_1PNPDK20110421_185653_000000543101_00372_47800_7103.N1	21-APR-2011 18:56:53	Bright	53.500	19	50Alp Cyg	1.2460	10500.	107	47800	No

249	GOM_TRA_1PNPDK20110421_185843_000000593101_00372_47800_7104.N1	21-APR-2011 18:58:43	Bright	59.000	66	37Gam Cyg	2.2080	5900.0	118	47800	No
250	GOM_TRA_1PNPDK20110421_190137_000000663101_00372_47800_7105.N1	21-APR-2011 19:01:37	Twilight	65.500	92	53Eps Cyg	2.5000	4500.0	131	47800	No
251	GOM_TRA_1PNPDK20110421_190941_000000543101_00372_47800_7106.N1	21-APR-2011 19:09:41	Dark	54.000	61	8Eps Peg	2.1000	3900.0	108	47800	No
252	GOM_TRA_1PNPDK20110421_191209_000000503101_00372_47800_7107.N1	21-APR-2011 19:12:09	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	47800	No
253	GOM_TRA_1PNPDK20110421_191508_000000523101_00372_47800_7108.N1	21-APR-2011 19:15:08	Dark	52.000	154	22Bet Aqr	2.8990	5700.0	104	47800	No
254	GOM_TRA_1PNPDK20110421_193300_000000683101_00373_47801_7109.N1	21-APR-2011 19:33:00	Dark	68.000	103	38Zet Sgr	2.6000	9700.0	136	47801	No
255	GOM_TRA_1PNPDK20110421_193615_000000693101_00373_47801_7110.N1	21-APR-2011 19:36:15	Dark	68.500	38	20Eps Sgr	1.8360	11000.	137	47801	No
256	GOM_TRA_1PNPDK20110421_193813_000000553101_00373_47801_7111.N1	21-APR-2011 19:38:13	Straylight	54.500	40	The Sco	1.8590	7100.0	109	47801	No
257	GOM_TRA_1PNPDK20110421_193952_000000573101_00373_47801_7112.N1	21-APR-2011 19:39:52	Straylight	56.500	115	34Ups Sco	2.6960	26000.	113	47801	No
258	GOM_TRA_1PNPDE20110421_194320_000000663101_00373_47801_7220.N1	21-APR-2011 19:43:20	Straylight	65.500	75	26Eps Sco	2.2910	4250.0	131	47801	Yes
259	GOM_TRA_1PNPDE20110421_194626_000000533101_00373_47801_7221.N1	21-APR-2011 19:46:26	Straylight	53.000	136	23Tau Sco	2.8220	30000.	106	47801	No
260	GOM_TRA_1PNPDE20110421_194814_000000273101_00373_47801_7222.N1	21-APR-2011 19:48:14	Twilight	27.000	156	20Sig Sco	2.9030	28000.	54	47801	No
261	GOM_TRA_1PNPDE20110421_195016_000000583101_00373_47801_7223.N1	21-APR-2011 19:50:16	Twilight	58.000	80	7Del Sco	2.3160	30000.	116	47801	No
262	GOM_TRA_1PNPDE20110421_195358_000000513101_00373_47801_7224.N1	21-APR-2011 19:53:58	Bright	51.000	122	9Alp2Lib	2.7470	9700.0	102	47801	No
263	GOM_TRA_1PNPDE20110421_195641_000000553101_00373_47801_7225.N1	21-APR-2011 19:56:41	Bright	54.500	104	27Bet Lib	2.6140	13100.	109	47801	No
264	GOM_TRA_1PNPDE20110421_200523_000000433101_00373_47801_7226.N1	21-APR-2011 20:05:23	Bright	42.500	111	8Eta Boo	2.6800	6000.0	85	47801	No
265	GOM_TRA_1PNPDE20110421_200954_000000513101_00373_47801_7227.N1	21-APR-2011 20:09:54	Bright	50.500	83		2.3780	11000.	101	47801	No
266	GOM_TRA_1PNPDE20110421_201242_000000443101_00373_47801_7228.N1	21-APR-2011 20:12:42	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	47801	No
267	GOM_TRA_1PNPDE20110421_201424_000000393101_00373_47801_7229.N1	21-APR-2011 20:14:24	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	47801	No
268	GOM_TRA_1PNPDE20110421_202225_000000483101_00373_47801_7230.N1	21-APR-2011 20:22:25	Bright	48.000	119	14Eta Dra	2.7270	4700.0	96	47801	No
269	GOM_TRA_1PNPDE20110421_203153_000000413101_00373_47801_7231.N1	21-APR-2011 20:31:53	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	47801	No
270	GOM_TRA_1PNPDE20110421_203706_000000543101_00373_47801_7232.N1	21-APR-2011 20:37:06	Bright	54.000	19	50Alp Cyg	1.2460	10500.	108	47801	No
271	GOM_TRA_1PNPDE20110421_203857_000000633101_00373_47801_7233.N1	21-APR-2011 20:38:57	Bright	62.500	66	37Gam Cyg	2.2080	5900.0	125	47801	No
272	GOM_TRA_1PNPDE20110421_204151_000000693101_00373_47801_7234.N1	21-APR-2011 20:41:51	Twilight	69.000	92	53Eps Cyg	2.5000	4500.0	138	47801	No
273	GOM_TRA_1PNPDE20110421_204956_000000553101_00373_47801_7235.N1	21-APR-2011 20:49:56	Dark	54.500	61	8Eps Peg	2.1000	3900.0	109	47801	No
274	GOM_TRA_1PNPDE20110421_205223_000000503101_00373_47801_7243.N1	21-APR-2011 20:52:23	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	47801	No
275	GOM_TRA_1PNPDE20110421_205523_000000543101_00373_47801_7244.N1	21-APR-2011 20:55:23	Dark	54.000	154	22Bet Aqr	2.8990	5700.0	108	47801	No
276	GOM_TRA_1PNPDE20110421_211316_000000663101_00374_47802_7245.N1	21-APR-2011 21:13:16	Dark	66.000	103	38Zet Sgr	2.6000	9700.0	132	47802	No
277	GOM_TRA_1PNPDE20110421_211630_000000753101_00374_47802_7246.N1	21-APR-2011 21:16:30	Dark	74.500	38	20Eps Sgr	1.8360	11000.	149	47802	No
278	GOM_TRA_1PNPDE20110421_211828_000000533101_00374_47802_7247.N1	21-APR-2011 21:18:28	Straylight	53.000	40	The Sco	1.8590	7100.0	106	47802	No
279	GOM_TRA_1PNPDE20110421_212008_000000593101_00374_47802_7248.N1	21-APR-2011 21:20:08	Straylight	58.500	115	34Ups Sco	2.6960	26000.	117	47802	No
280	GOM_TRA_1PNPDE20110421_212335_000000603101_00374_47802_7249.N1	21-APR-2011 21:23:35	Straylight	59.500	75	26Eps Sco	2.2910	4250.0	119	47802	No
281	GOM_TRA_1PNPDE20110421_212641_000000563101_00374_47802_7250.N1	21-APR-2011 21:26:41	Straylight	56.000	136	23Tau Sco	2.8220	30000.	112	47802	No
282	GOM_TRA_1PNPDE20110421_212829_000000303101_00374_47802_7251.N1	21-APR-2011 21:28:29	Twilight	30.000	156	20Sig Sco	2.9030	28000.	60	47802	No
283	GOM_TRA_1PNPDE20110421_213031_000000623101_00374_47802_7252.N1	21-APR-2011 21:30:31	Twilight	62.000	80	7Del Sco	2.3160	30000.	124	47802	No
284	GOM_TRA_1PNPDE20110421_213412_000000503101_00374_47802_7253.N1	21-APR-2011 21:34:12	Bright	50.000	122	9Alp2Lib	2.7470	9700.0	100	47802	No
285	GOM_TRA_1PNPDE20110421_213655_000000573101_00374_47802_7254.N1	21-APR-2011 21:36:55	Bright	57.000	104	27Bet Lib	2.6140	13100.	114	47802	No
286	GOM_TRA_1PNPDE20110421_214537_000000423101_00374_47802_7255.N1	21-APR-2011 21:45:37	Bright	42.000	111	8Eta Boo	2.6800	6000.0	84	47802	No
287	GOM_TRA_1PNPDE20110421_215008_000000533101_00374_47802_7256.N1	21-APR-2011 21:50:08	Bright	52.500	83		2.3780	11000.	105	47802	No
288	GOM_TRA_1PNPDE20110421_215256_000000573101_00374_47802_7257.N1	21-APR-2011 21:52:56	Bright	56.500	180	27Gam Boo	3.0400	8000.0	113	47802	No
289	GOM_TRA_1PNPDE20110421_215438_000000393101_00374_47802_7258.N1	21-APR-2011 21:54:38	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	47802	No
290	GOM_TRA_1PNPDE20110421_220239_000000433101_00374_47802_7259.N1	21-APR-2011 22:02:39	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	47802	No
291	GOM_TRA_1PNPDE20110421_221207_000000413101_00374_47802_7260.N1	21-APR-2011 22:12:07	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	47802	No
292	GOM_TRA_1PNPDE20110421_221720_000000533101_00374_47802_7261.N1	21-APR-2011 22:17:20	Bright	53.000	19	50Alp Cyg	1.2460	10500.	106	47802	No
293	GOM_TRA_1PNPDE20110421_221910_000000633101_00374_47802_7262.N1	21-APR-2011 22:19:10	Bright	63.000	66	37Gam Cyg	2.2080	5900.0	126	47802	No
294	GOM_TRA_1PNPDE20110421_222205_000000643101_00374_47802_7263.N1	21-APR-2011 22:22:05	Twilight	63.500	92	53Eps Cyg	2.5000	4500.0	127	47802	No
295	GOM_TRA_1PNPDE20110421_223010_000000593101_00374_47802_7264.N1	21-APR-2011 22:30:10	Dark	58.500	61	8Eps Peg	2.1000	3900.0	117	47802	No
296	GOM_TRA_1PNPDE20110421_223238_000000493101_00374_47802_7265.N1	21-APR-2011 22:32:38	Dark	49.000	162	34Alp Aqr	2.9440	5350.0	98	47802	No
297	GOM_TRA_1PNPDE20110421_223538_000000513101_00374_47802_7266.N1	21-APR-2011 22:35:38	Dark	50.500	154	22Bet Aqr	2.8990	5700.0	101	47802	No
298	GOM_TRA_1PNPDE20110421_225331_000000693101_00375_47803_7267.N1	21-APR-2011 22:53:31	Dark	68.500	103	38Zet Sgr	2.6000	9700.0	137	47803	No
299	GOM_TRA_1PNPDE20110421_225645_000000633101_00375_47803_7268.N1	21-APR-2011 22:56:45	Dark	62.500	38	20Eps Sgr	1.8360	11000.	125	47803	No
300	GOM_TRA_1PNPDE20110421_225843_000000513101_00375_47803_7269.N1	21-APR-2011 22:58:43	Straylight	51.000	40	The Sco	1.8590	7100.0	102	47803	No
301	GOM_TRA_1PNPDE20110421_230022_000000583101_00375_47803_7270.N1	21-APR-2011 23:00:22	Straylight	58.000	115	34Ups Sco	2.6960	26000.	116	47803	No
302	GOM_TRA_1PNPDE20110421_230350_000000733101_00375_47803_7271.N1	21-APR-2011 23:03:50	Straylight	72.500	75	26Eps Sco	2.2910	4250.0	145	47803	No
303	GOM_TRA_1PNPDE20110421_230655_000000563101_00375_47803_7272.N1	21-APR-2011 23:06:55	Straylight	56.000	136	23Tau Sco	2.8220	30000.	112	47803	No
304	GOM_TRA_1PNPDE20110421_230843_000000303101_00375_47803_7273.N1	21-APR-2011 23:08:43	Twilight	30.000	156	20Sig Sco	2.9030	28000.	60	47803	No
305	GOM_TRA_1PNPDE20110421_231045_000000623101_00375_47803_7274.N1	21-APR-2011 23:10:45	Twilight	62.000	80	7Del Sco	2.3160	30000.	124	47803	No
306	GOM_TRA_1PNPDE20110421_231426_000000513101_00375_47803_7275.N1	21-APR-2011 23:14:26	Bright	50.500	122	9Alp2Lib	2.7470	9700.0	101	47803	No
307	GOM_TRA_1PNPDE20110421_231709_000000583101_00375_47803_7276.N1	21-APR-2011 23:17:09	Bright	57.500	104	27Bet Lib	2.6140	13100.	115	47803	No

308	GOM_TRA_1PNPDE20110421_232550_000000433101_00375_47803_7277.N1	21-APR-2011 23:25:50	Bright	42.500	111	8Eta Boo	2.6800	6000.0	85	47803	No
309	GOM_TRA_1PNPDE20110421_233021_000000543101_00375_47803_7278.N1	21-APR-2011 23:30:21	Bright	53.500	83		2.3780	11000.	107	47803	No
310	GOM_TRA_1PNPDE20110421_233309_000000553101_00375_47803_7279.N1	21-APR-2011 23:33:09	Bright	54.500	180	27Gam Boo	3.0400	8000.0	109	47803	No
311	GOM_TRA_1PNPDE20110421_233451_000000393101_00375_47803_7280.N1	21-APR-2011 23:34:51	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	47803	No
312	GOM_TRA_1PNPDE20110421_234252_000000483101_00375_47803_7281.N1	21-APR-2011 23:42:52	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	47803	No
313	GOM_TRA_1PNPDE20110421_235220_000000413101_00375_47803_7282.N1	21-APR-2011 23:52:20	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	47803	No
314	GOM_TRA_1PNPDE20110421_235734_000000543101_00375_47803_7283.N1	21-APR-2011 23:57:34	Bright	54.000	19	50Alp Cyg	1.2460	10500.	108	47803	No
315	GOM_TRA_1PNPDE20110421_235924_000000613101_00375_47803_7284.N1	21-APR-2011 23:59:24	Bright	60.500	66	37Gam Cyg	2.2080	5900.0	121	47803	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).

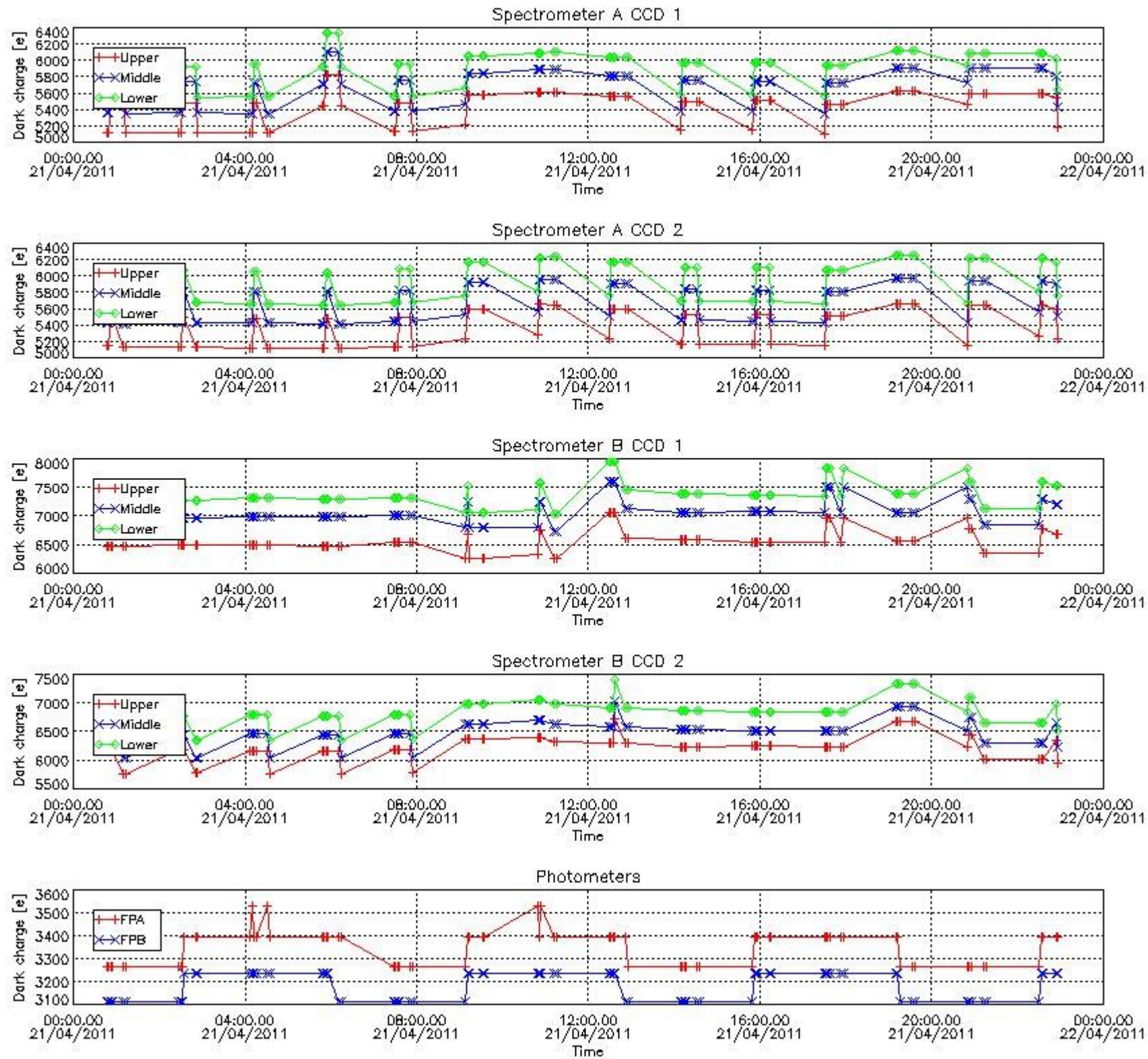
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDK20110421_162947_000000533101_00371_47799_7058.N1	DC map used
GOM_TRA_1PNPDK20110421_163330_000000513101_00371_47799_7059.N1	DC map used

GOM_TRA_1PNPDK20110421_163614_000000583101_00371_47799_7060.N1	DC map used
GOM_TRA_1PNPDK20110421_164456_000000433101_00371_47799_7061.N1	DC map used
GOM_TRA_1PNPDK20110421_164928_000000543101_00371_47799_7062.N1	DC map used
GOM_TRA_1PNPDK20110421_165216_000000453101_00371_47799_7063.N1	DC map used
GOM_TRA_1PNPDK20110421_165357_000000413101_00371_47799_7064.N1	DC map used
GOM_TRA_1PNPDK20110421_170159_000000453101_00371_47799_7065.N1	DC map used
GOM_TRA_1PNPDK20110421_171125_000000413101_00371_47799_7066.N1	DC map used
GOM_TRA_1PNPDK20110421_171639_000000533101_00371_47799_7067.N1	DC map used
GOM_TRA_1PNPDK20110421_171829_000000853101_00371_47799_7068.N1	DC map used
GOM_TRA_1PNPDK20110421_172123_000000613101_00371_47799_7069.N1	DC map used
GOM_TRA_1PNPDK20110421_172927_000000583101_00371_47799_7070.N1	DC map used
GOM_TRA_1PNPDK20110421_173154_000000493101_00371_47799_7071.N1	DC map used
GOM_TRA_1PNPDK20110421_173453_000000513101_00371_47799_7072.N1	DC map used
GOM_TRA_1PNPDK20110421_173709_000000443101_00371_47799_7073.N1	DC map used
GOM_TRA_1PNPDK20110421_175244_000000693101_00372_47800_7074.N1	DC map used
GOM_TRA_1PNPDK20110421_175559_000000663101_00372_47800_7075.N1	DC map used
GOM_TRA_1PNPDK20110421_175758_000000543101_00372_47800_7076.N1	DC map used
GOM_TRA_1PNPDK20110421_175937_000000583101_00372_47800_7077.N1	DC map used
GOM_TRA_1PNPDK20110421_180305_000000663101_00372_47800_7078.N1	DC map used
GOM_TRA_1PNPDE20110421_194320_000000663101_00373_47801_7220.N1	DC map with no T dep.
GOM_TRA_1PNPDE20110421_194626_000000533101_00373_47801_7221.N1	DC map used
GOM_TRA_1PNPDE20110421_194814_000000273101_00373_47801_7222.N1	DC map used
GOM_TRA_1PNPDE20110421_195016_000000583101_00373_47801_7223.N1	DC map used
GOM_TRA_1PNPDE20110421_195358_000000513101_00373_47801_7224.N1	DC map used
GOM_TRA_1PNPDE20110421_195641_000000553101_00373_47801_7225.N1	DC map used
GOM_TRA_1PNPDE20110421_200523_000000433101_00373_47801_7226.N1	DC map used
GOM_TRA_1PNPDE20110421_200954_000000513101_00373_47801_7227.N1	DC map used
GOM_TRA_1PNPDE20110421_201242_000000443101_00373_47801_7228.N1	DC map used
GOM_TRA_1PNPDE20110421_201424_000000393101_00373_47801_7229.N1	DC map used
GOM_TRA_1PNPDE20110421_202225_000000483101_00373_47801_7230.N1	DC map used
GOM_TRA_1PNPDE20110421_203153_000000413101_00373_47801_7231.N1	DC map used
GOM_TRA_1PNPDE20110421_203706_000000543101_00373_47801_7232.N1	DC map used
GOM_TRA_1PNPDE20110421_203857_000000633101_00373_47801_7233.N1	DC map used
GOM_TRA_1PNPDE20110421_204151_000000693101_00373_47801_7234.N1	DC map used
GOM_TRA_1PNPDE20110421_204956_000000553101_00373_47801_7235.N1	DC map used

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



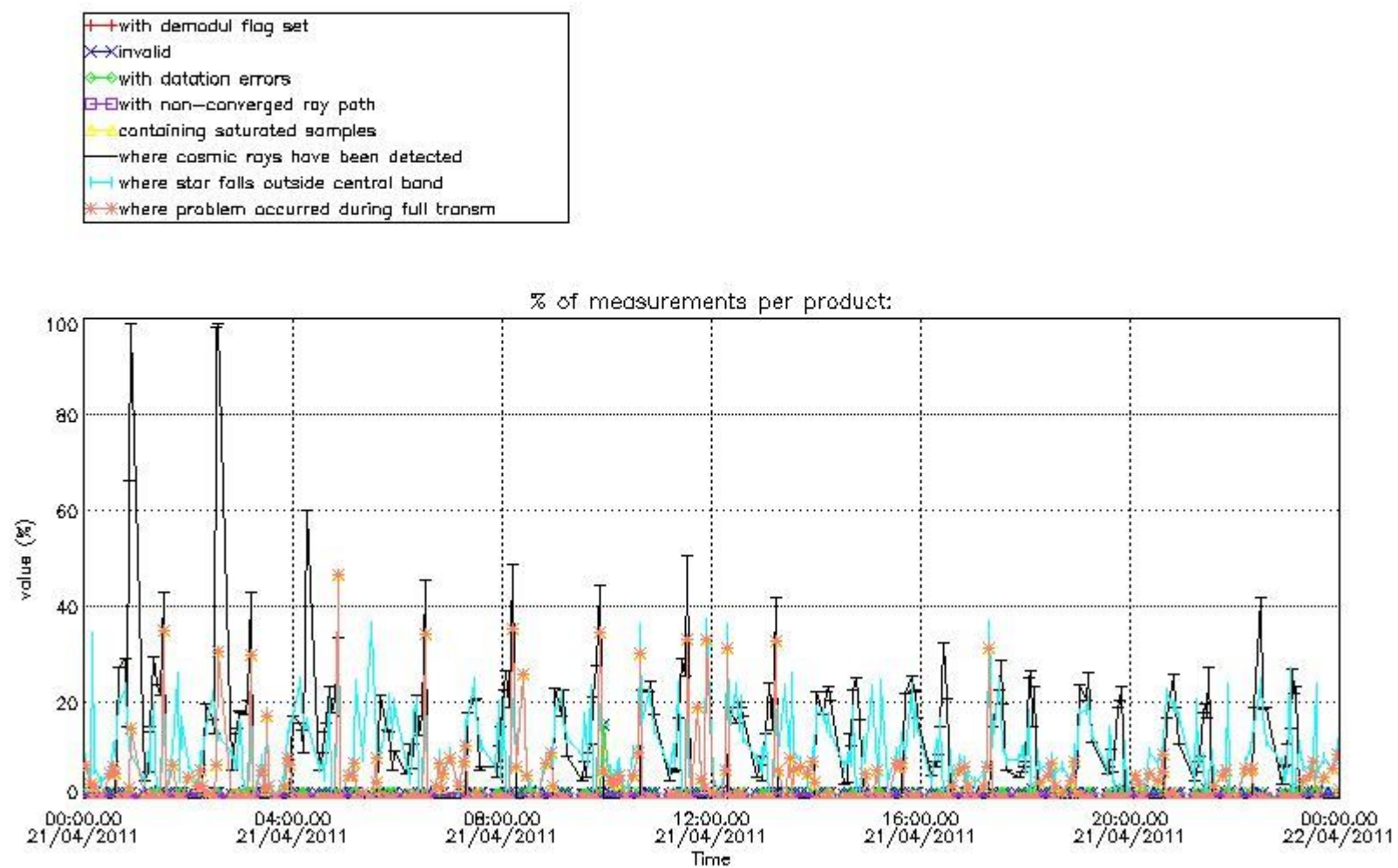
5. Demodulation flag and quality information monitoring

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.

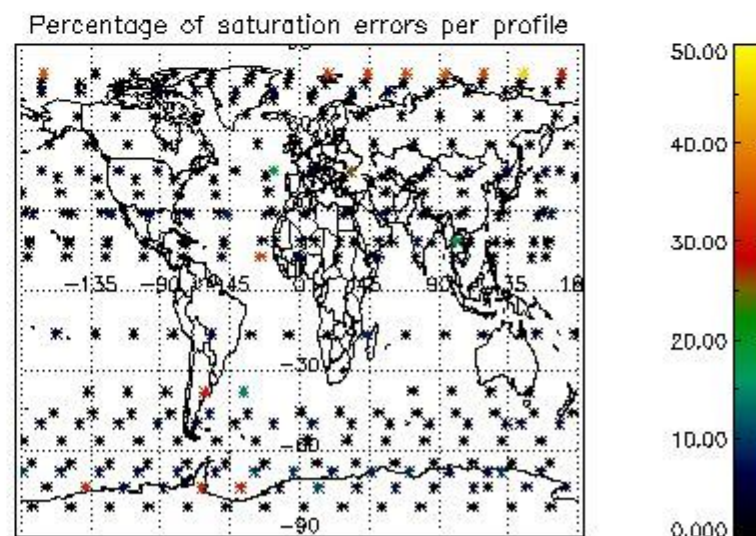
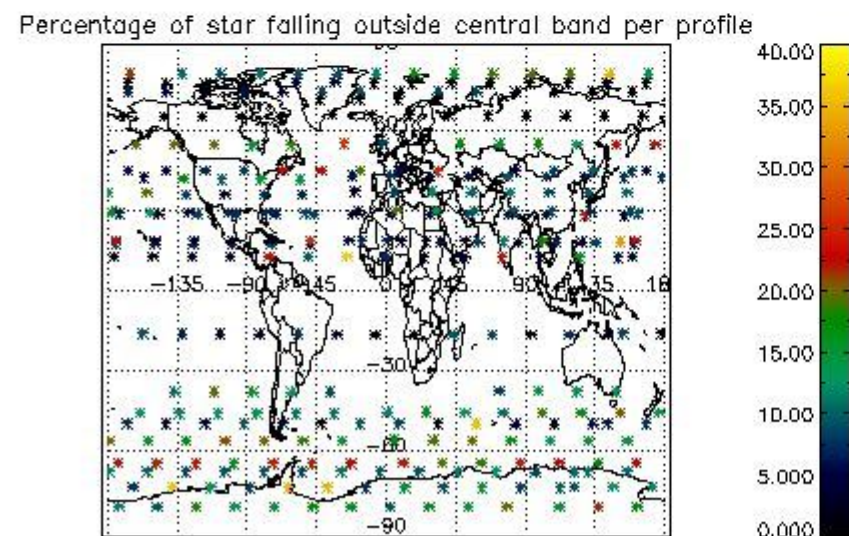
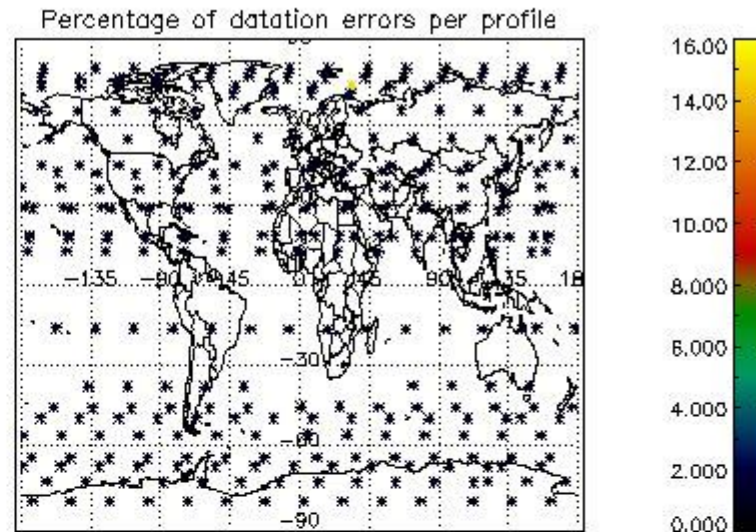
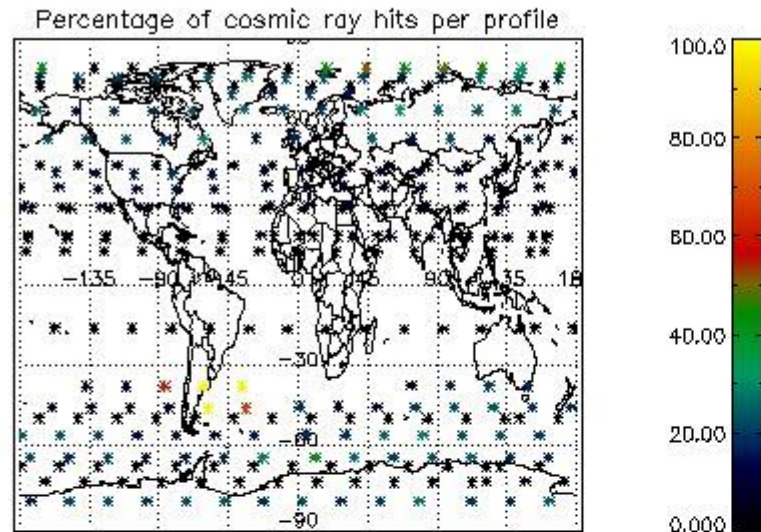
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	51.5924 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



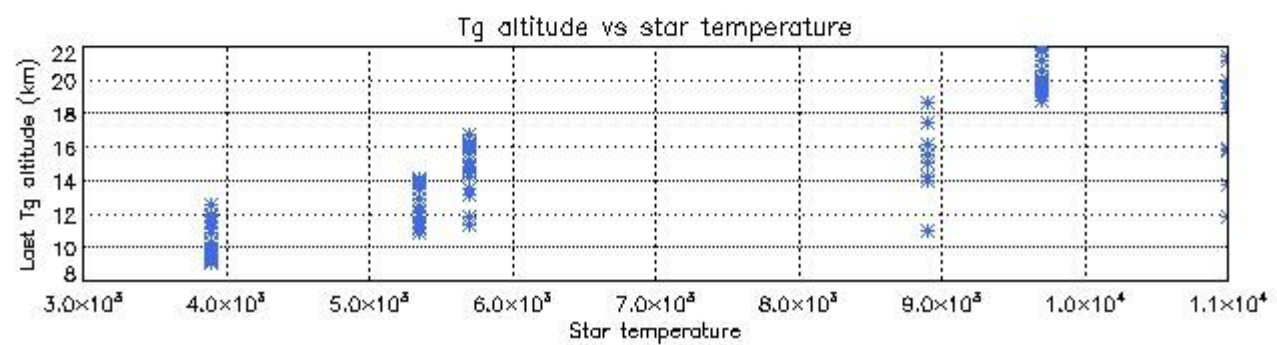
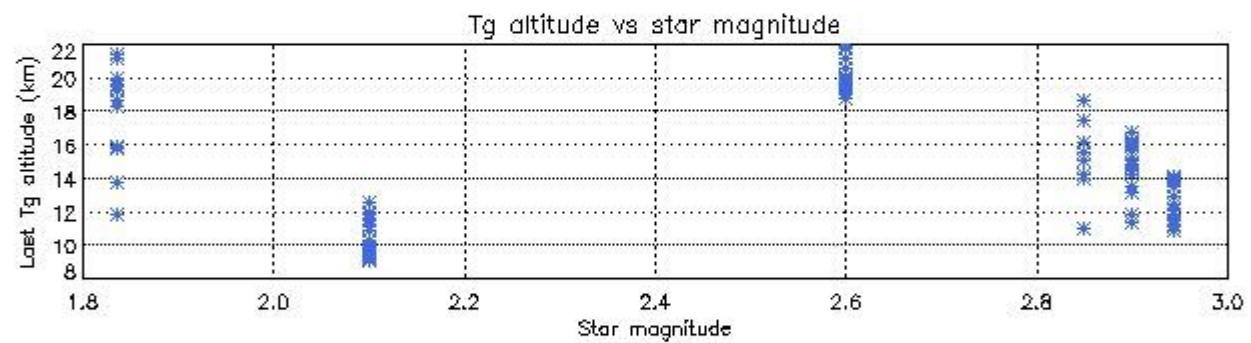
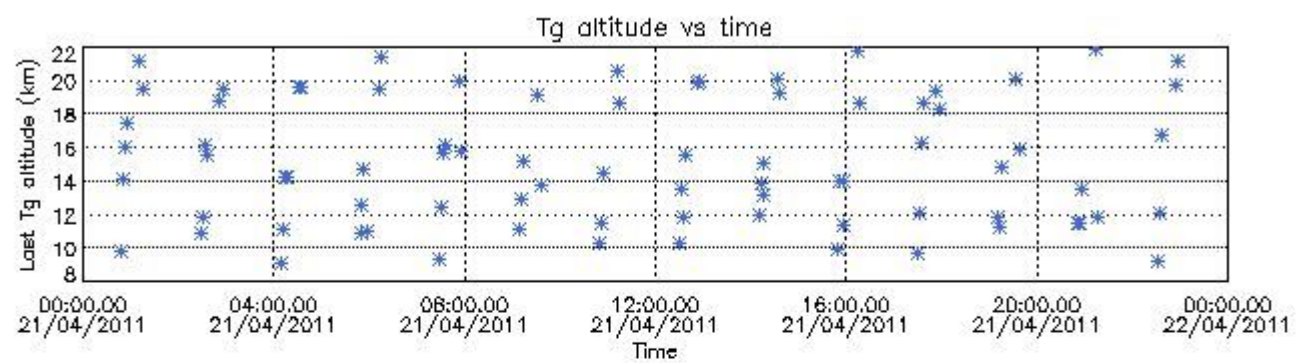
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.137	19.142	NaN
St. deviation:	3.7481	5.7295	NaN
Maximum:	21.837	37.208	NaN
Minimum:	9.1090	3.5294	NaN
Number of data:	79.000	150.00	NaN

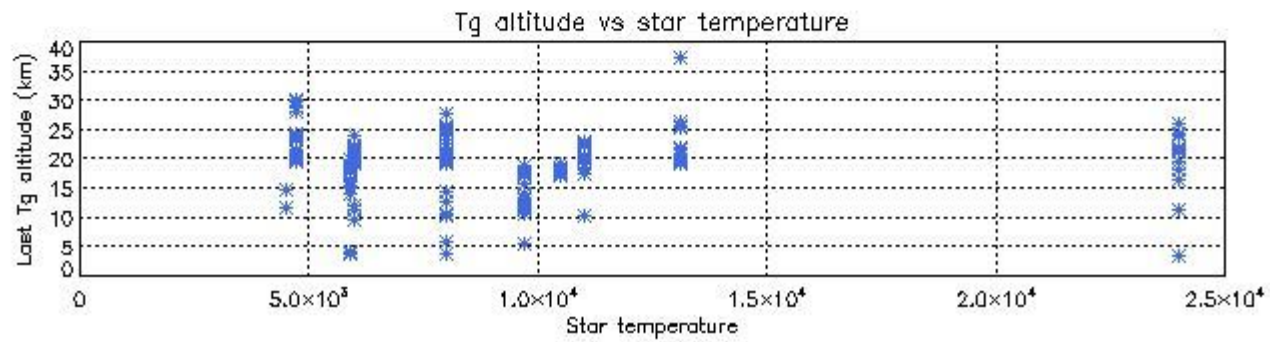
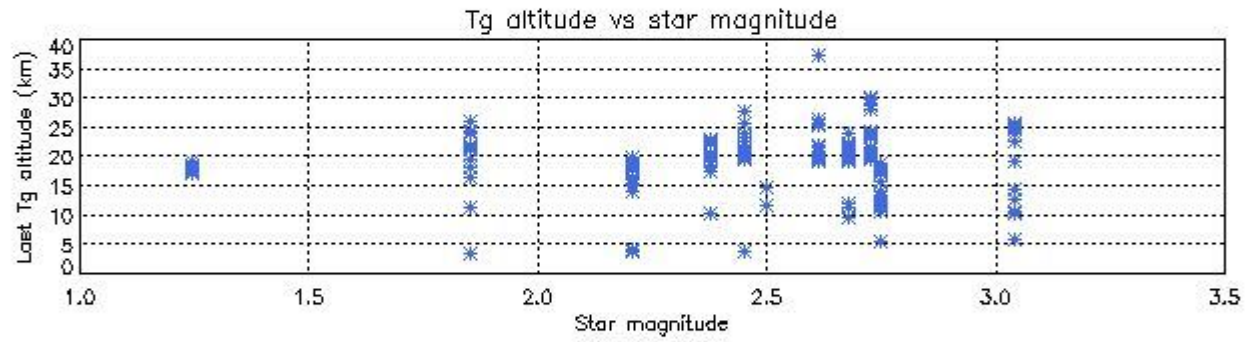
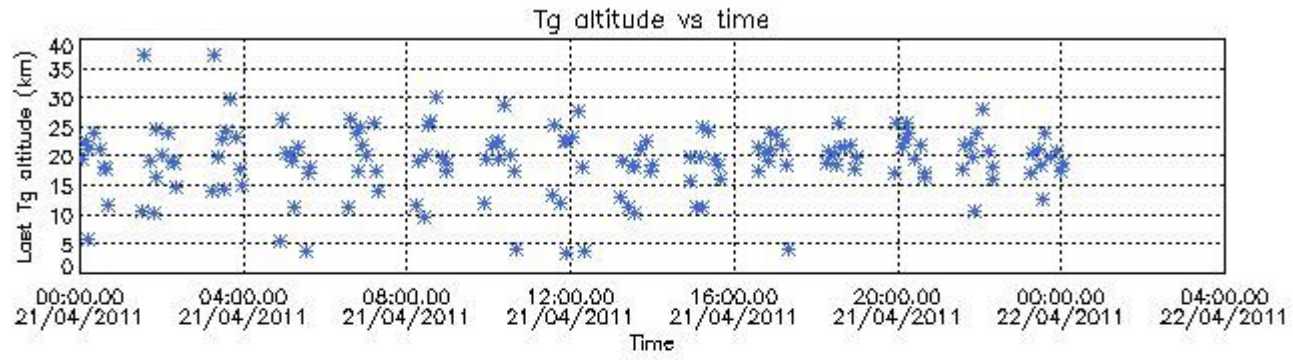
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

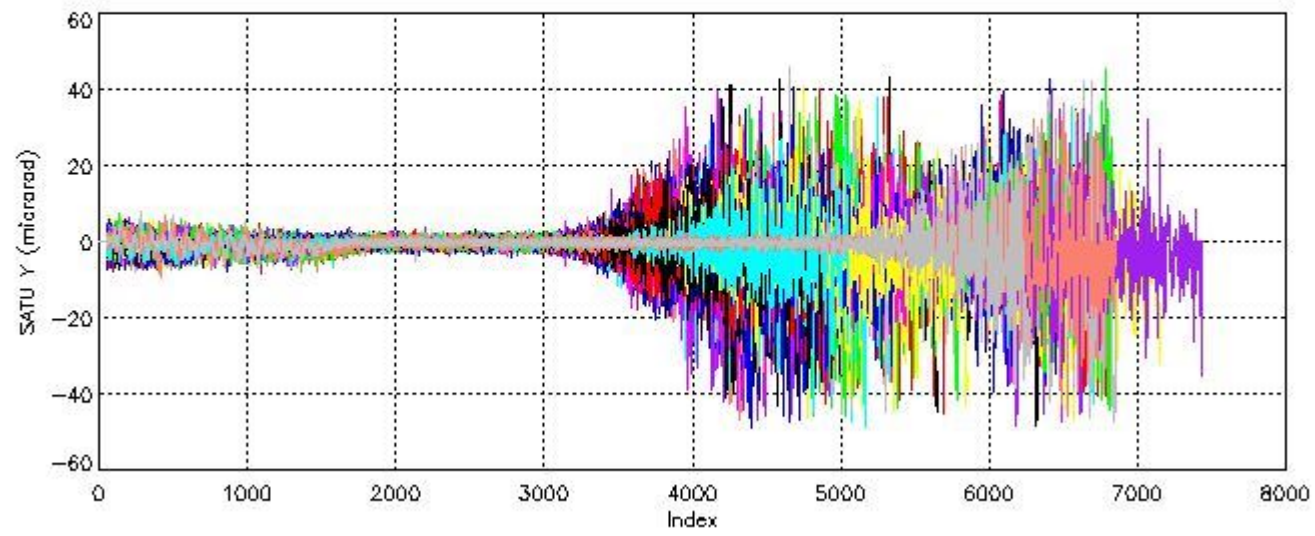
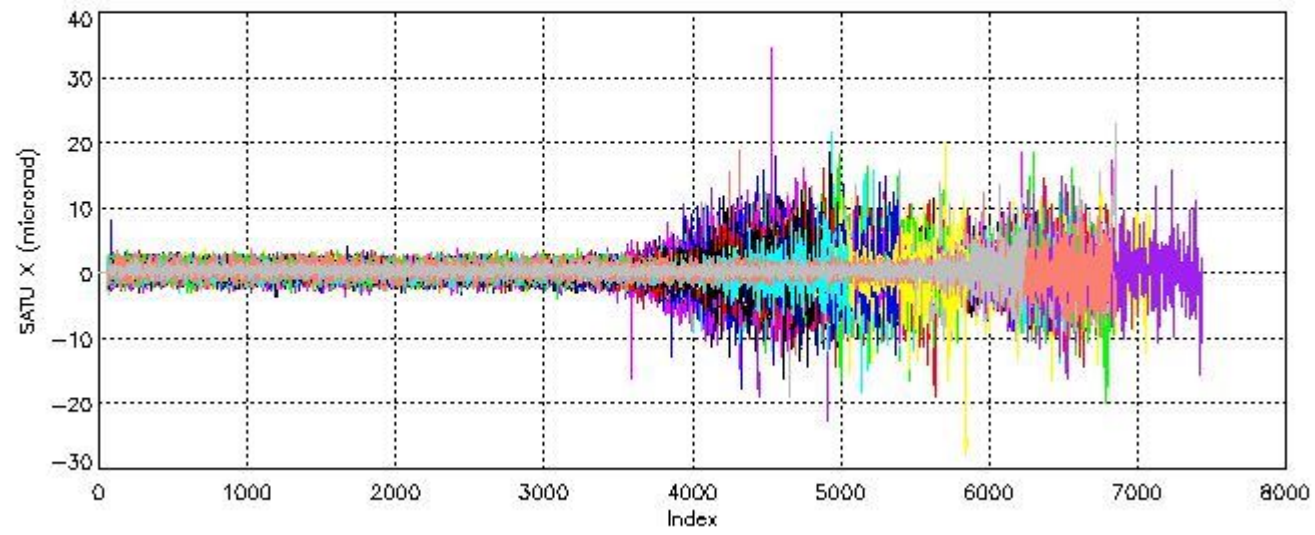


7. Star Acquisition and Tracking Unit (SATU)

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:	0.26857	-1.0459	0.31233	-1.1527
St. deviation:	0.65308	1.5767	0.83916	1.6359
Maximum:	8.2000	7.7000	15.500	15.500
Minimum:	-3.4000	-9.6000	-6.9000	-11.600

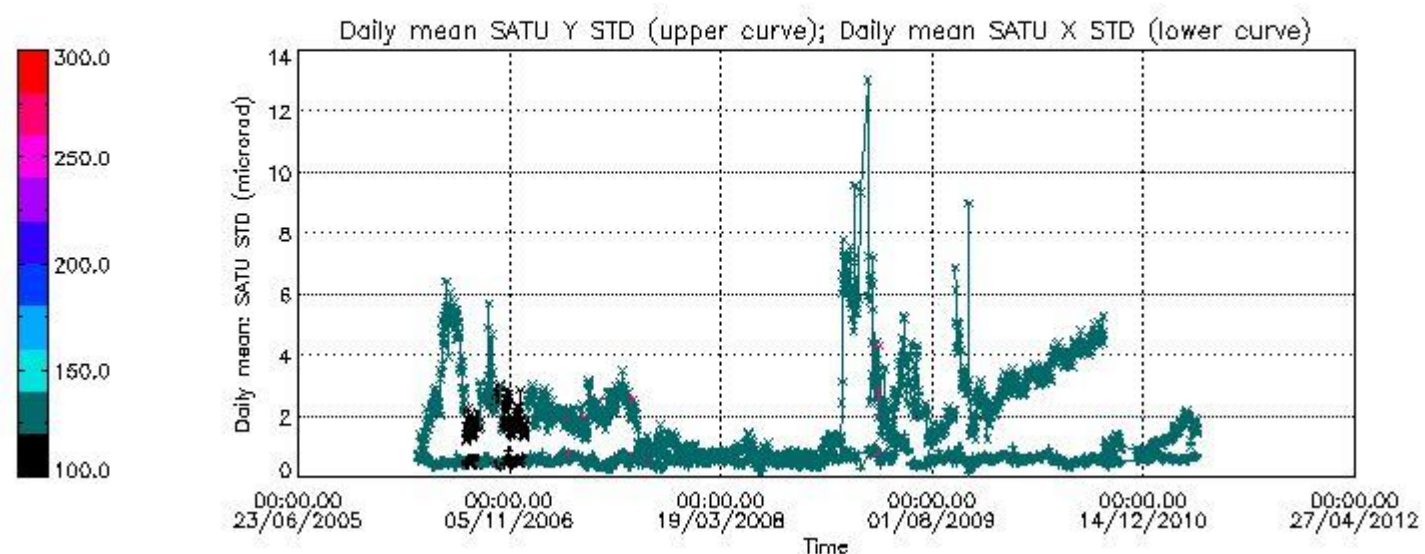
Number of data: 1.0005E+05 1.0005E+05 1.7410E+05 1.7410E+05

7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

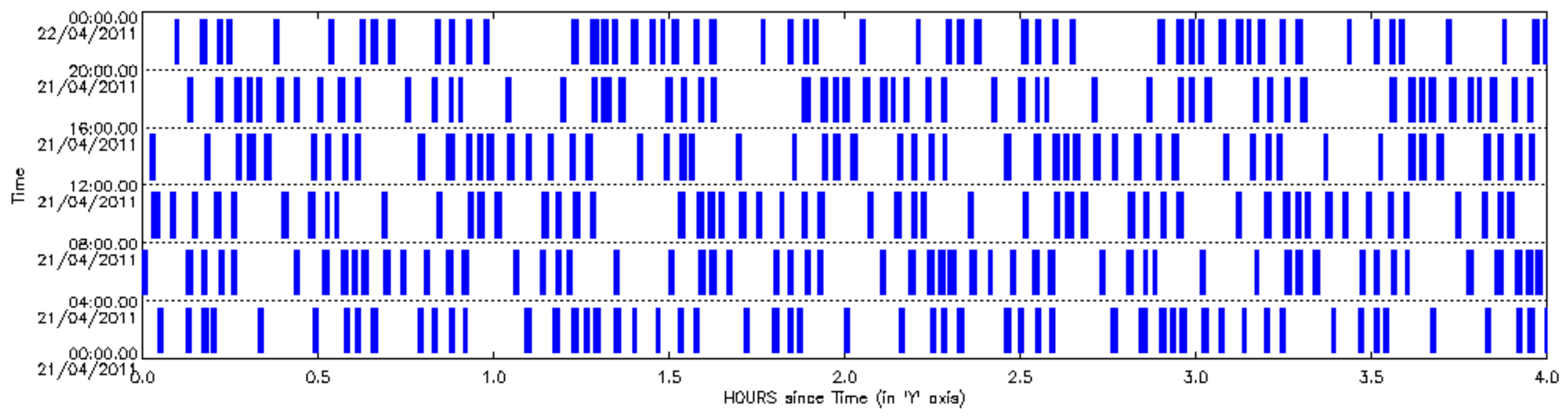


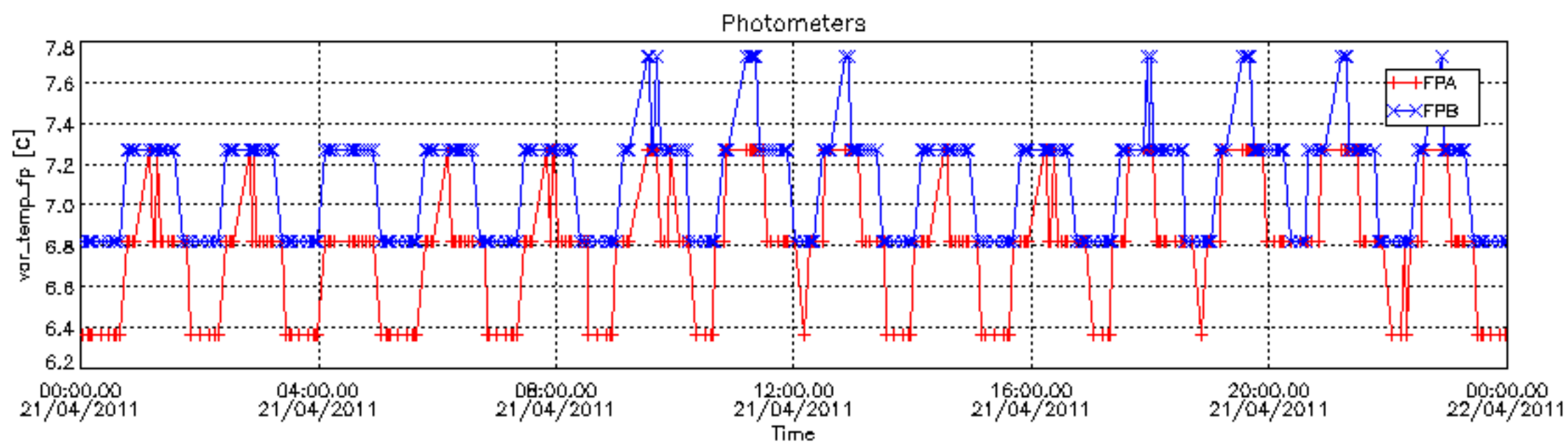
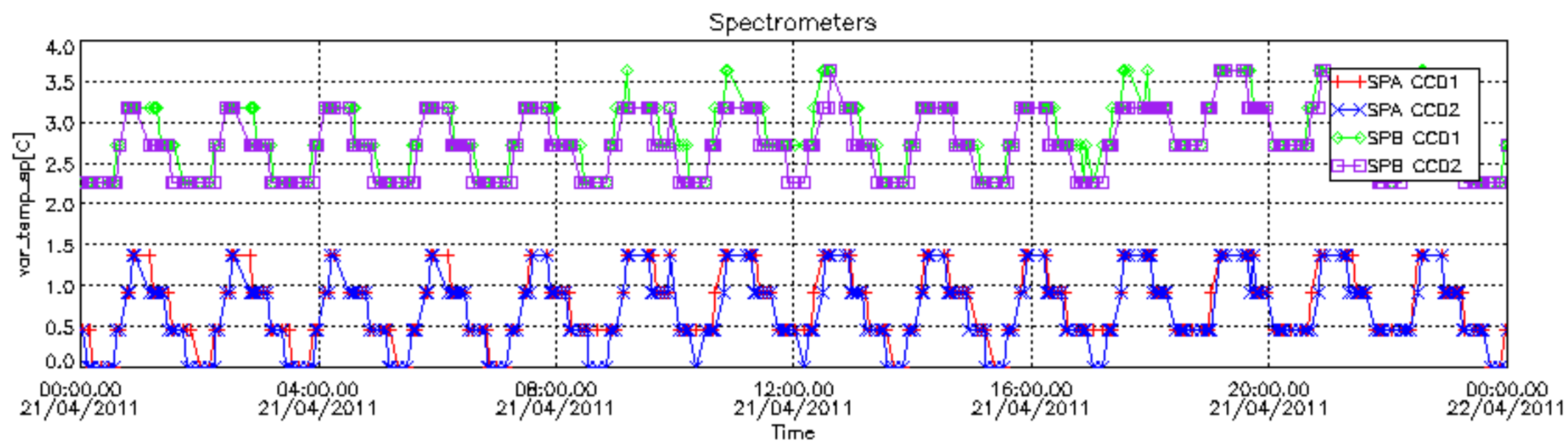
8. Auxiliary Data Files used for the production reported in section 2.4

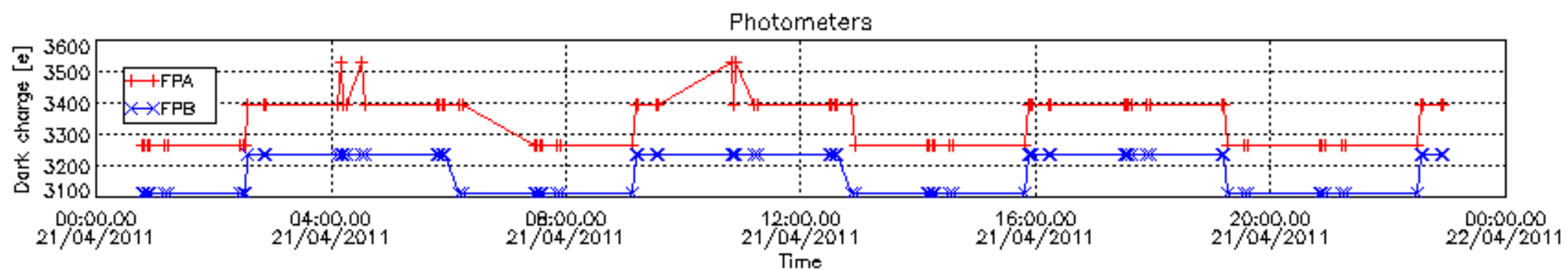
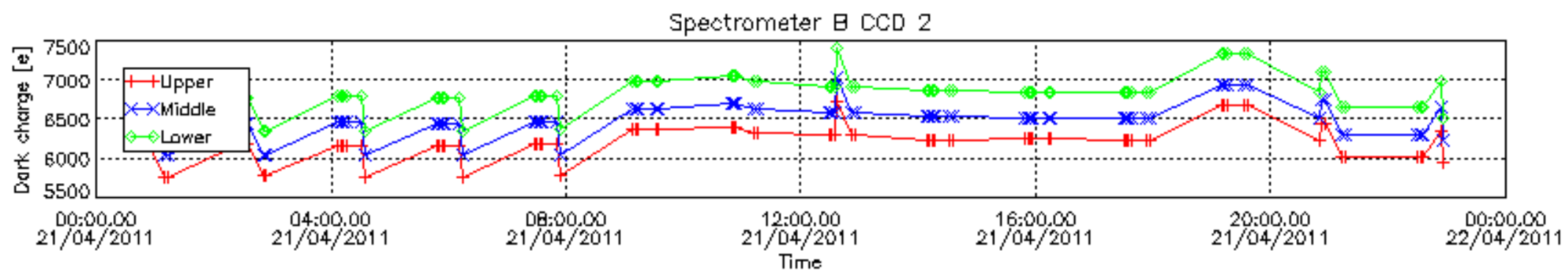
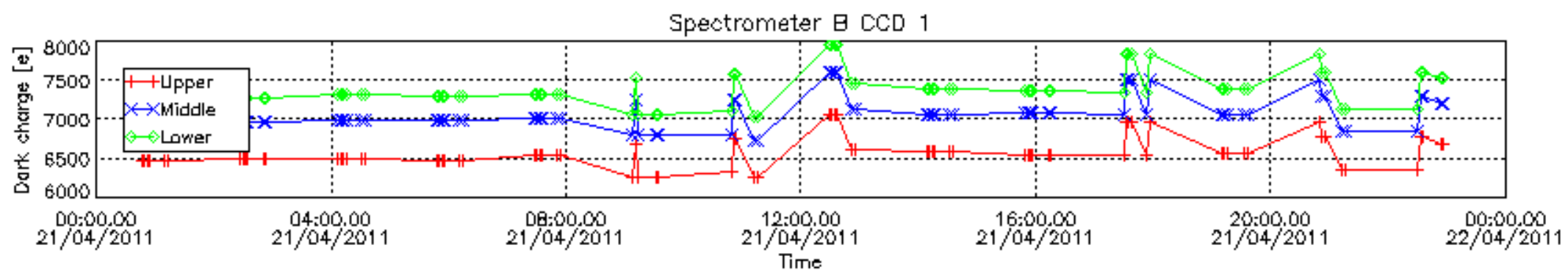
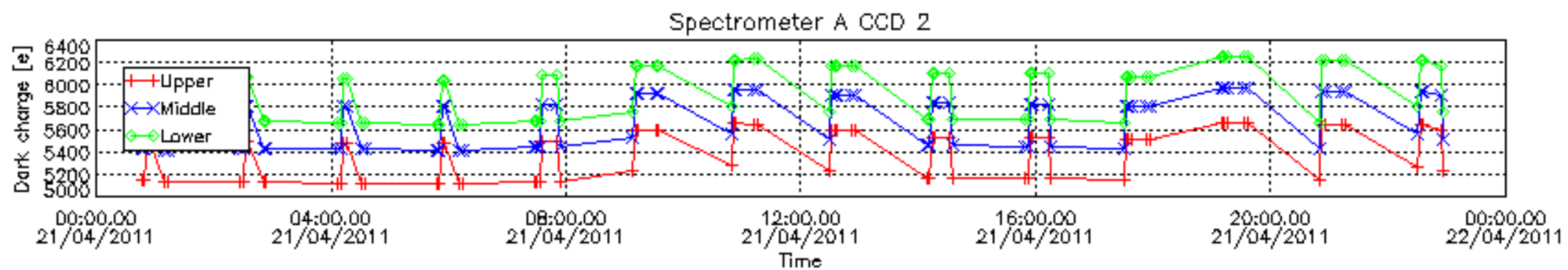
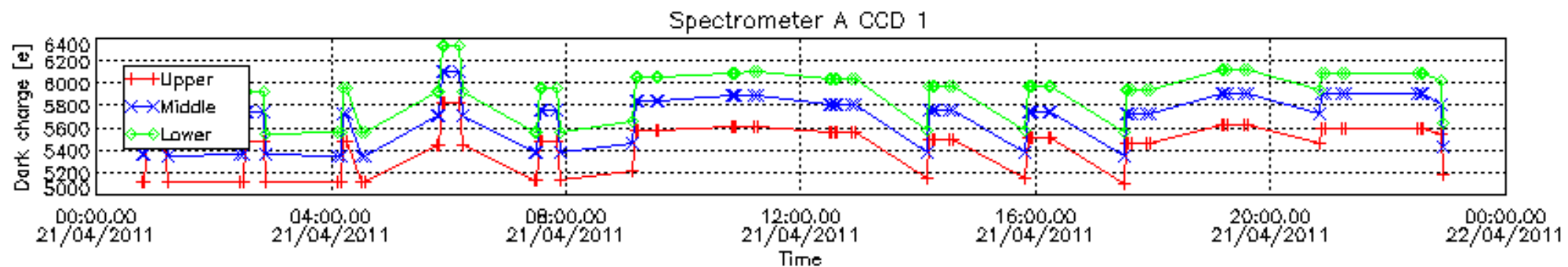
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

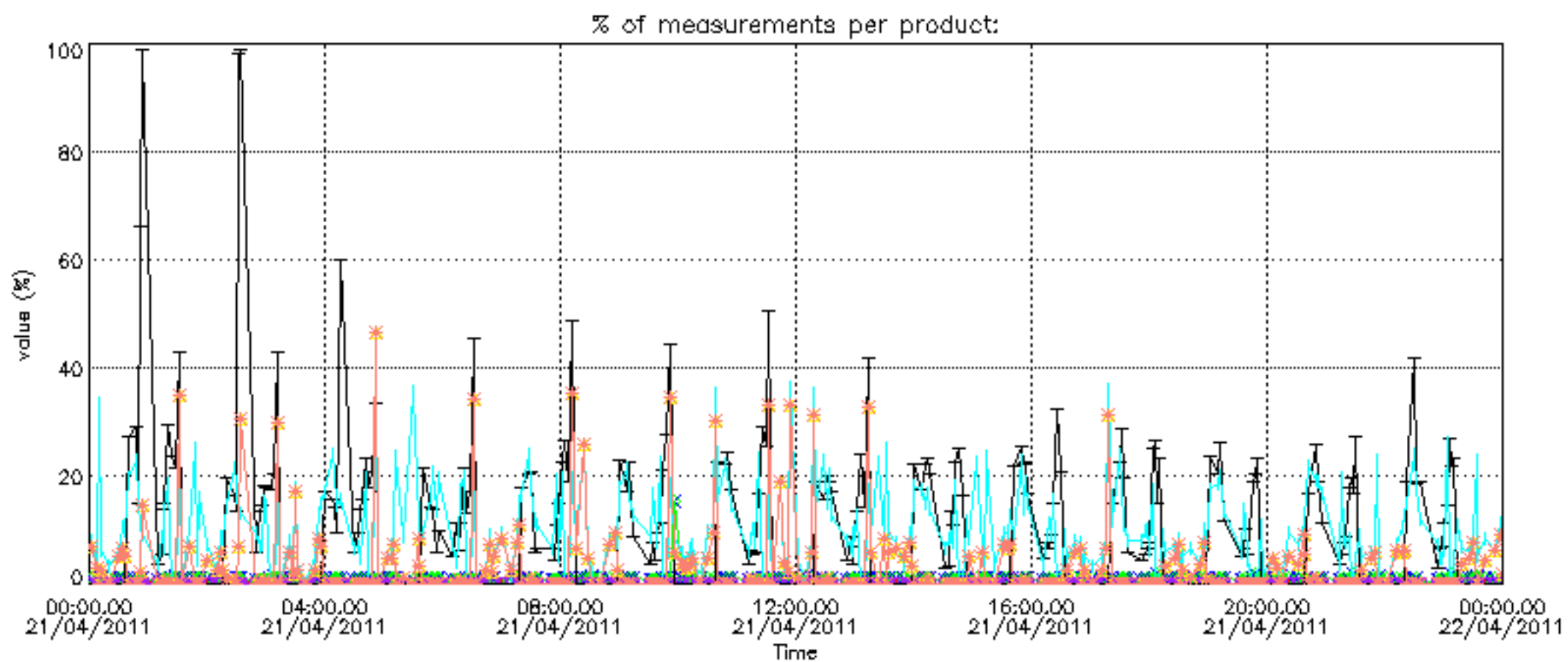
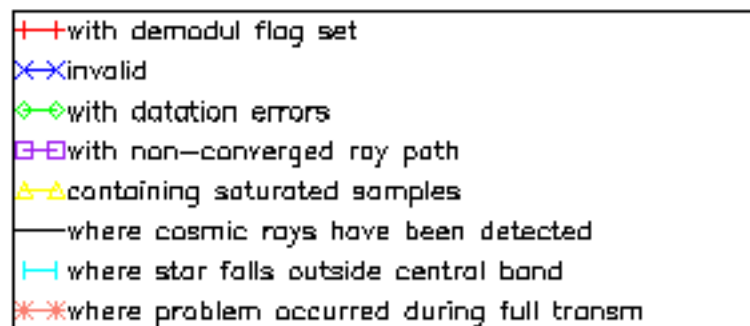
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	21-APR-2011 00:02:39
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110415_083326_20110414_000000_20500101_000000	1	21-APR-2011 00:02:39
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110421_075944_20110419_000000_20500101_000000	110	21-APR-2011 08:15:04
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	21-APR-2011 00:02:39
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	21-APR-2011 00:02:39
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	21-APR-2011 00:02:39
ECMWF_FILE	AUX_ECF_AXNECM20110420_062116_20110420_210000_20110421_090000	1	21-APR-2011 00:02:39
ECMWF_FILE	AUX_ECF_AXNECM20110420_182420_20110421_030000_20110421_150000	50	21-APR-2011 03:49:35
ECMWF_FILE	AUX_ECA_AXNECM20110421_055334_20110420_210000_20110421_090000	72	21-APR-2011 05:29:49
ECMWF_FILE	MISSING	110	21-APR-2011 08:15:04
ECMWF_FILE	AUX_ECF_AXNECM20110421_063334_20110421_090000_20110421_210000	131	21-APR-2011 09:55:18
ECMWF_FILE	AUX_ECF_AXNECM20110421_063335_20110421_150000_20110422_030000	216	21-APR-2011 16:29:47
ECMWF_FILE	AUX_ECA_AXNECM20110421_175333_20110421_090000_20110421_210000	237	21-APR-2011 18:06:11
ECMWF_FILE	AUX_ECF_AXNECM20110421_063335_20110421_150000_20110422_030000	274	21-APR-2011 20:52:23
ECMWF_FILE	AUX_ECF_AXNECM20110421_063335_20110421_210000_20110422_090000	298	21-APR-2011 22:53:31
OPTIONAL_ECMWF_FILE	MISSING	1	21-APR-2011 00:02:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110420_230926_000057383101_00360_47788_2953.N1	1	21-APR-2011 00:02:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110421_005023_000051013101_00361_47789_2954.N1	13	21-APR-2011 00:54:42
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110421_022043_000044633101_00362_47790_2955.N1	32	21-APR-2011 02:27:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110421_034025_000060573101_00363_47791_2956.N1	50	21-APR-2011 03:49:35

ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110421_052641_000054193101_00364_47792_2957.N1	72	21-APR-2011 05:29:49
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110421_070219_000038263101_00365_47793_4365.N1	94	21-APR-2011 07:10:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110421_081123_000057383101_00366_47794_4366.N1	110	21-APR-2011 08:15:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110421_095220_000057383101_00367_47795_4367.N1	131	21-APR-2011 09:55:18
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ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110421_194206_000038253101_00373_47801_2958.N1	258	21-APR-2011 19:43:20
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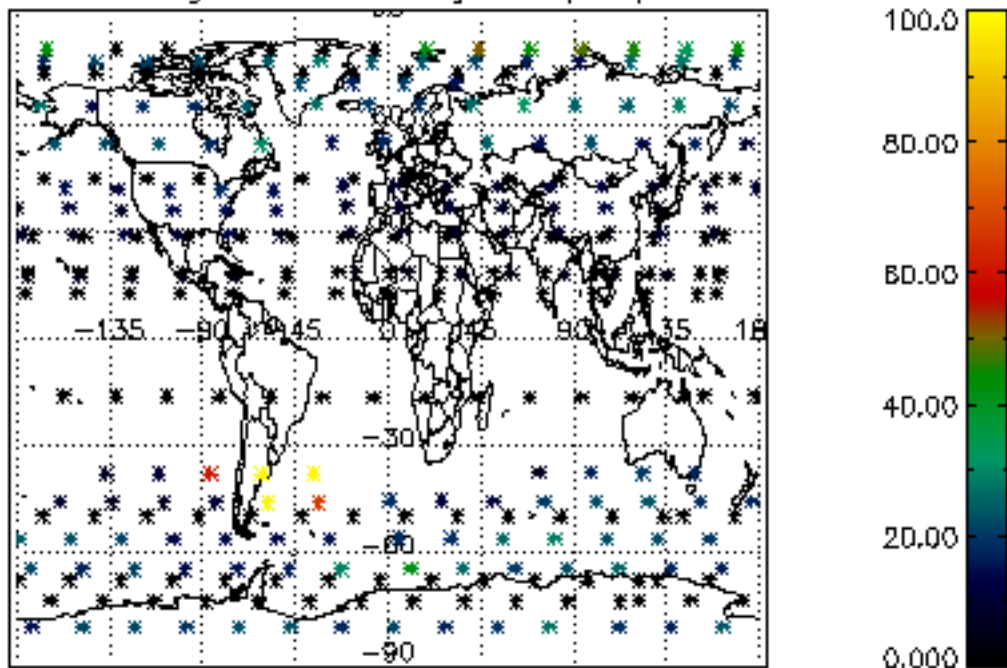




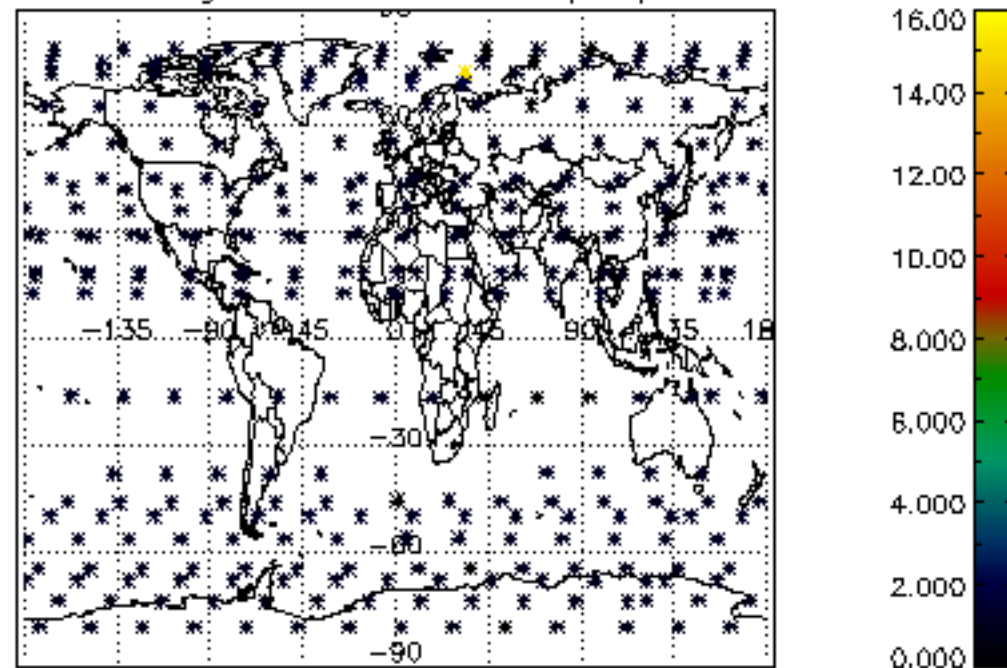




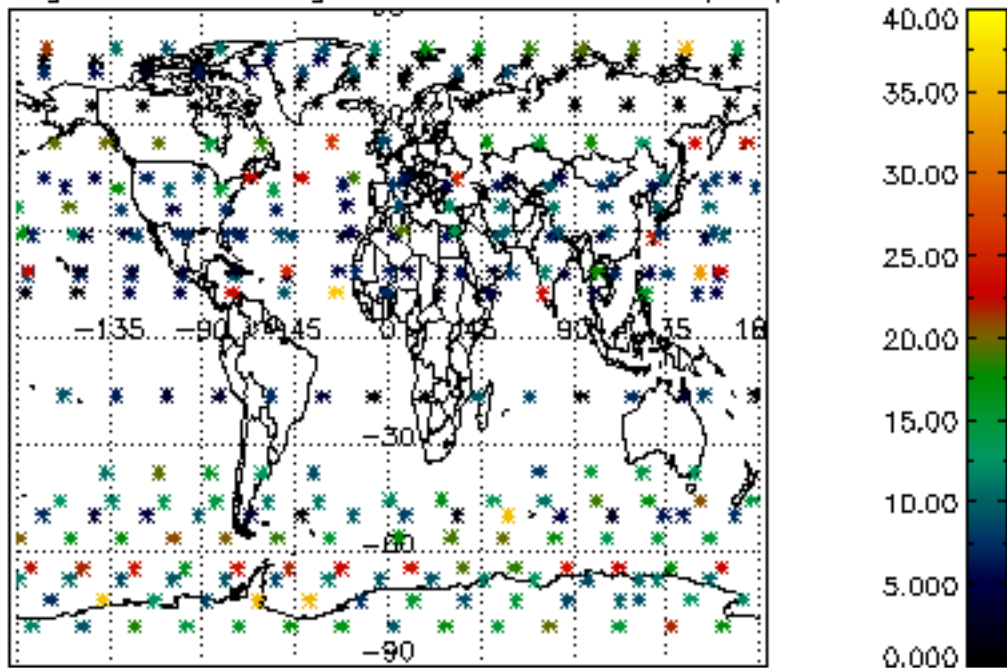
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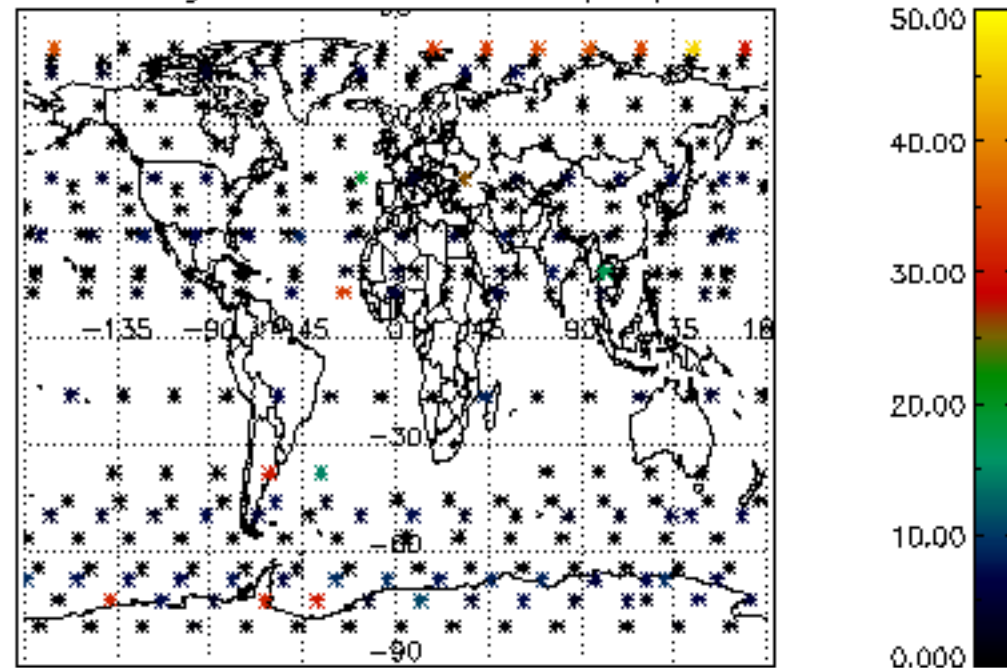
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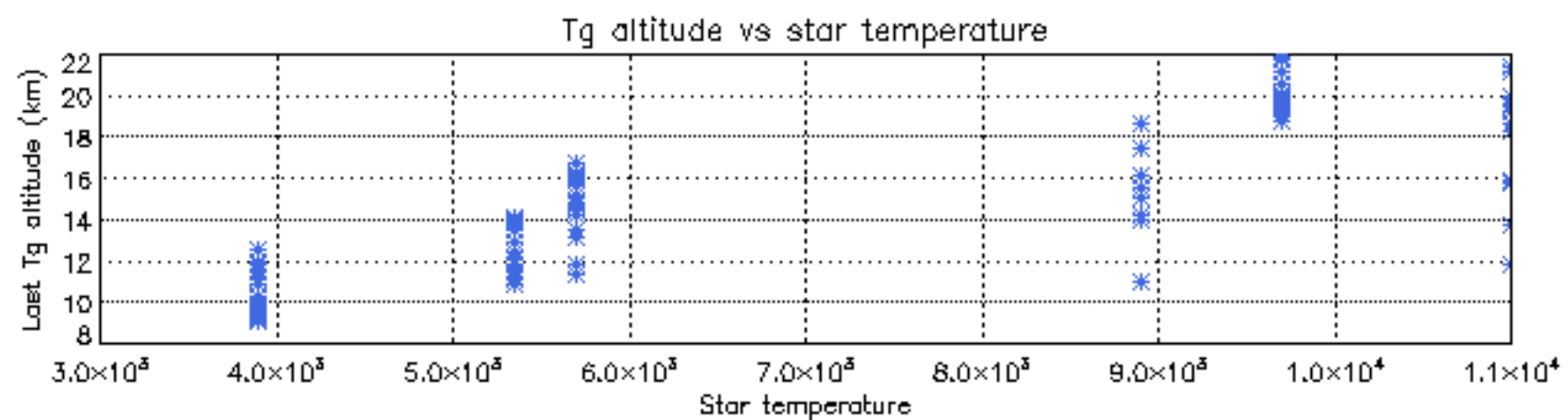
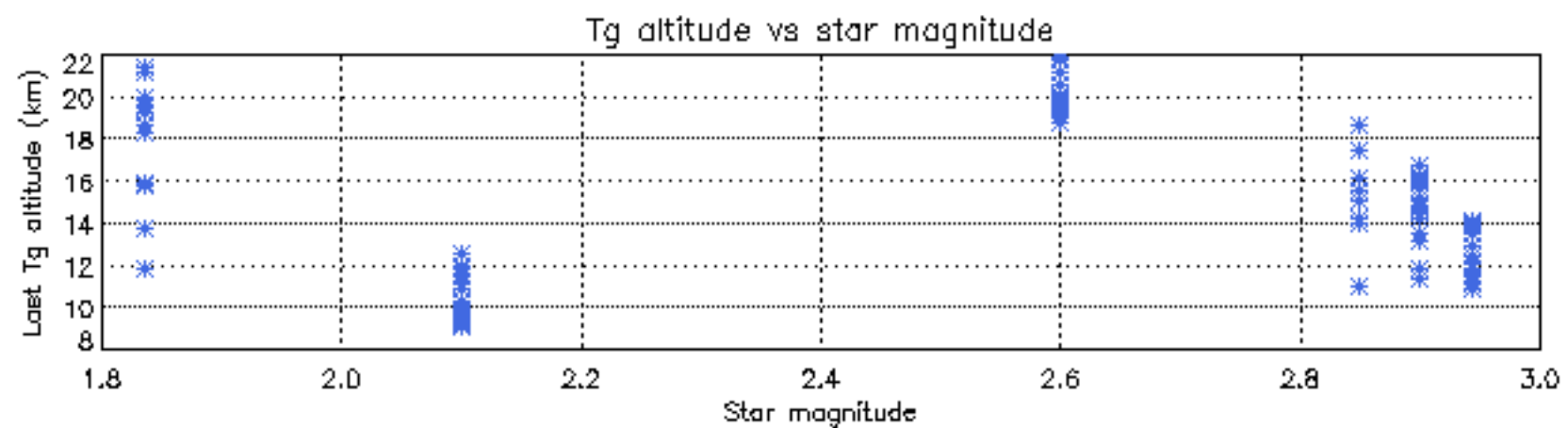
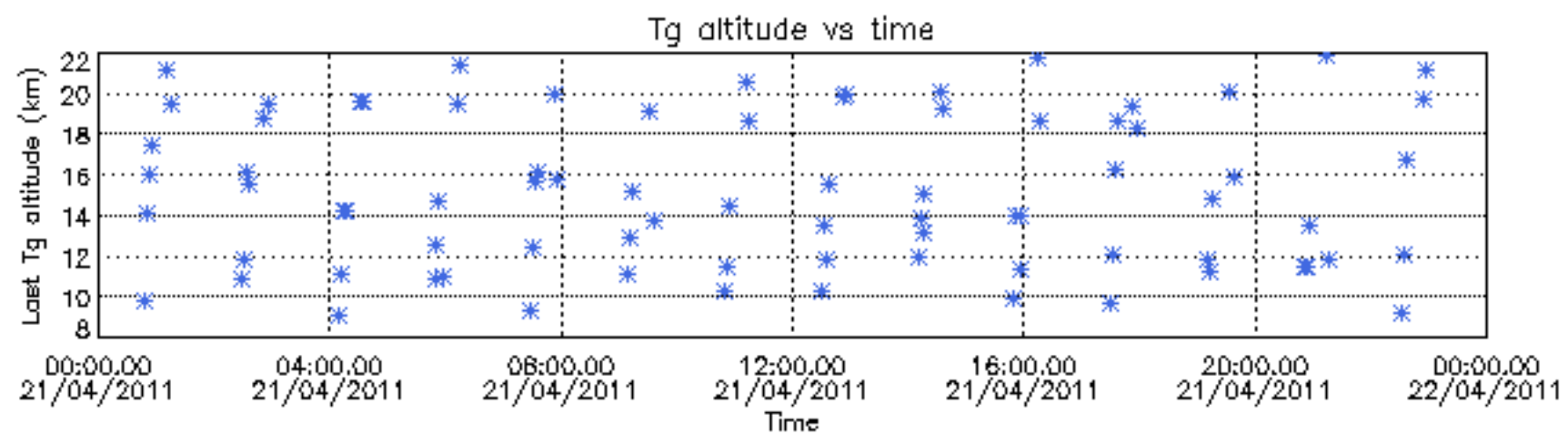
Percentage of star falling outside central band per profile



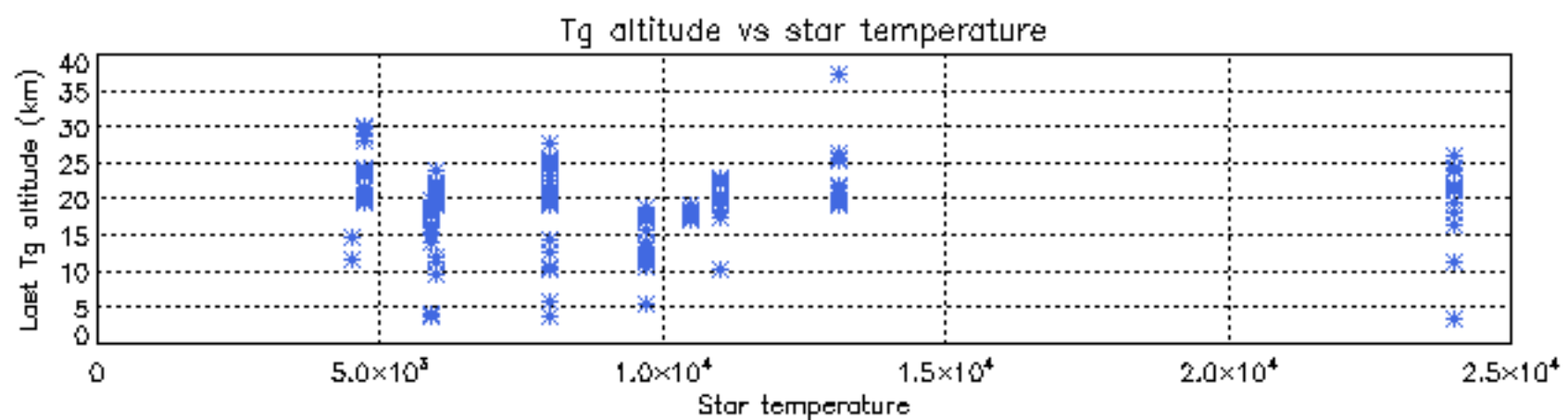
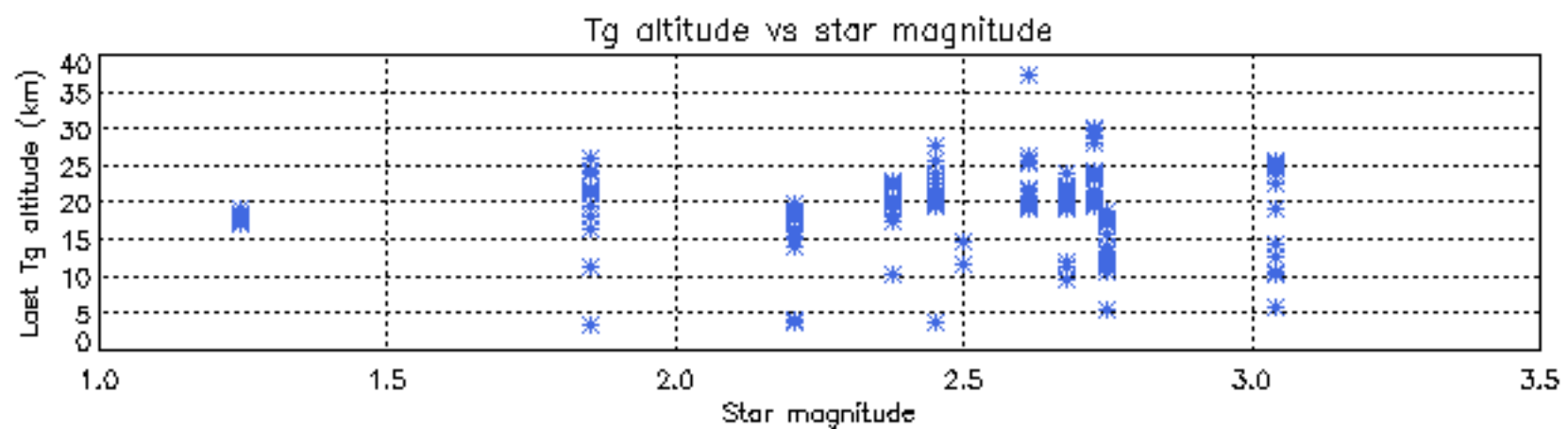
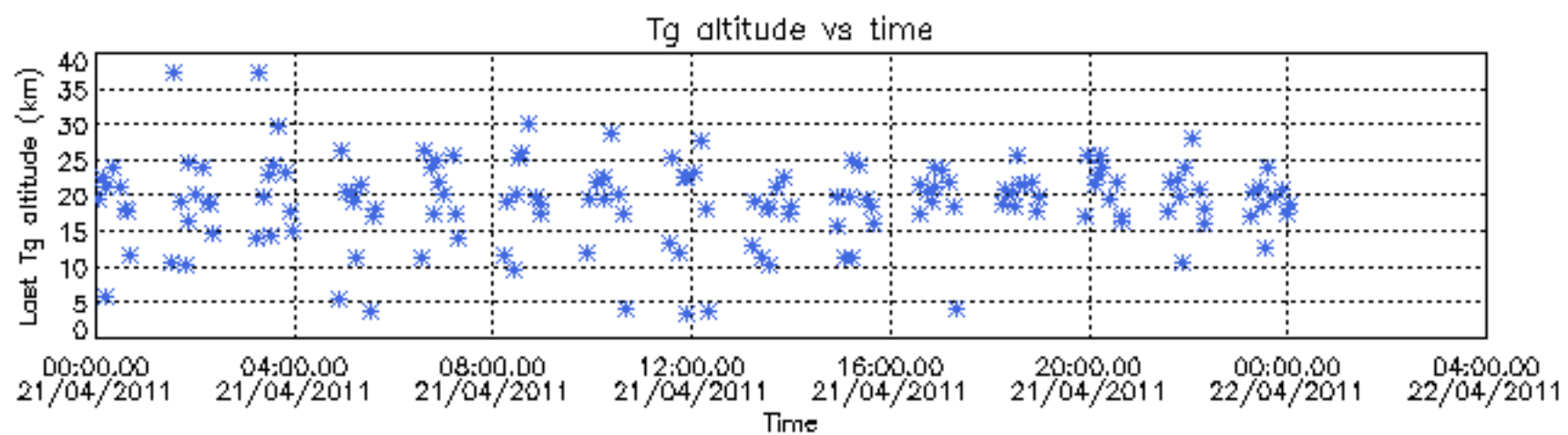
Percentage of saturation errors per profile

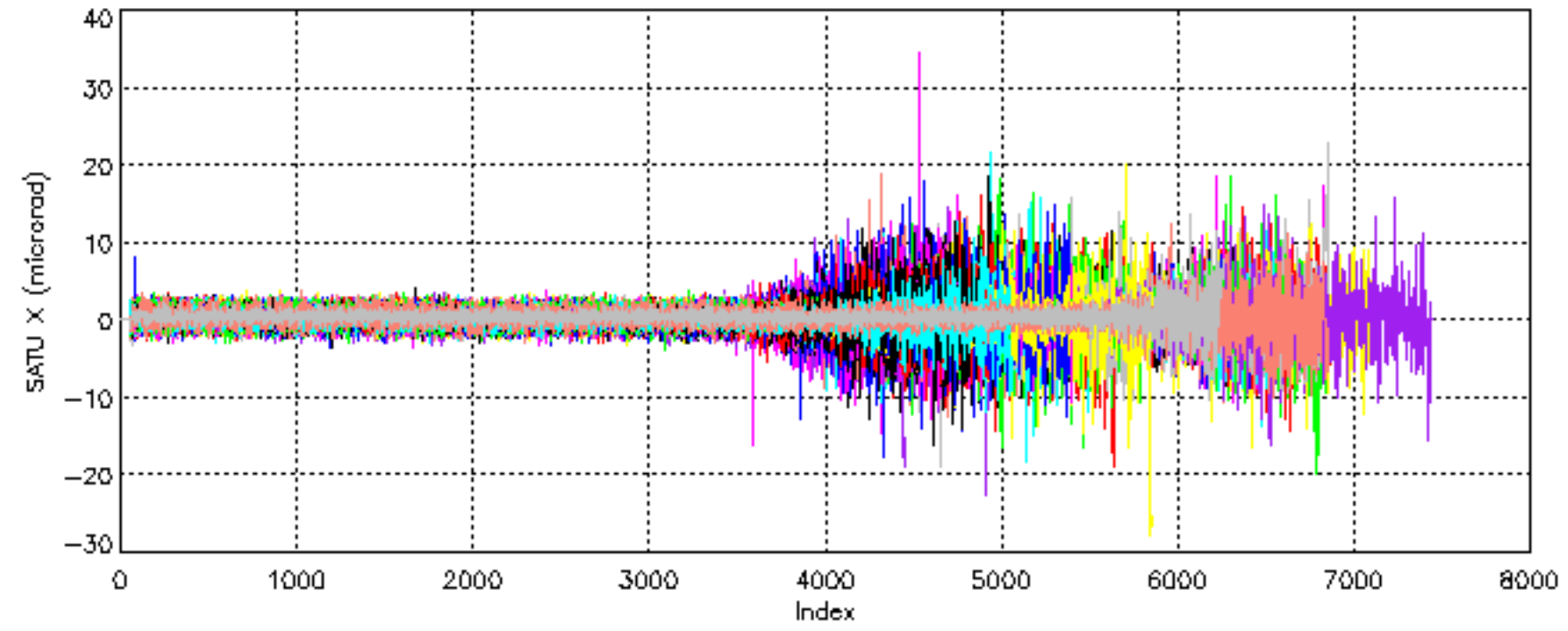


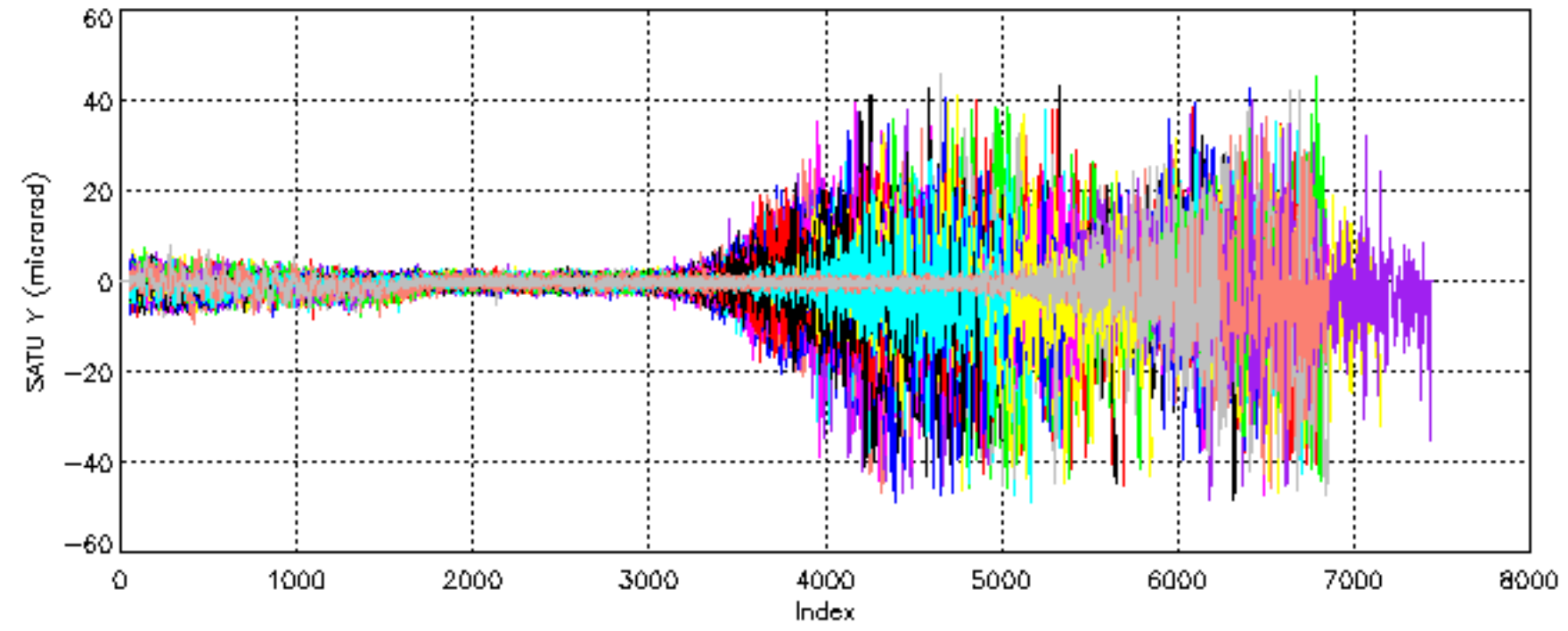
Tangent altitude at which the star is lost

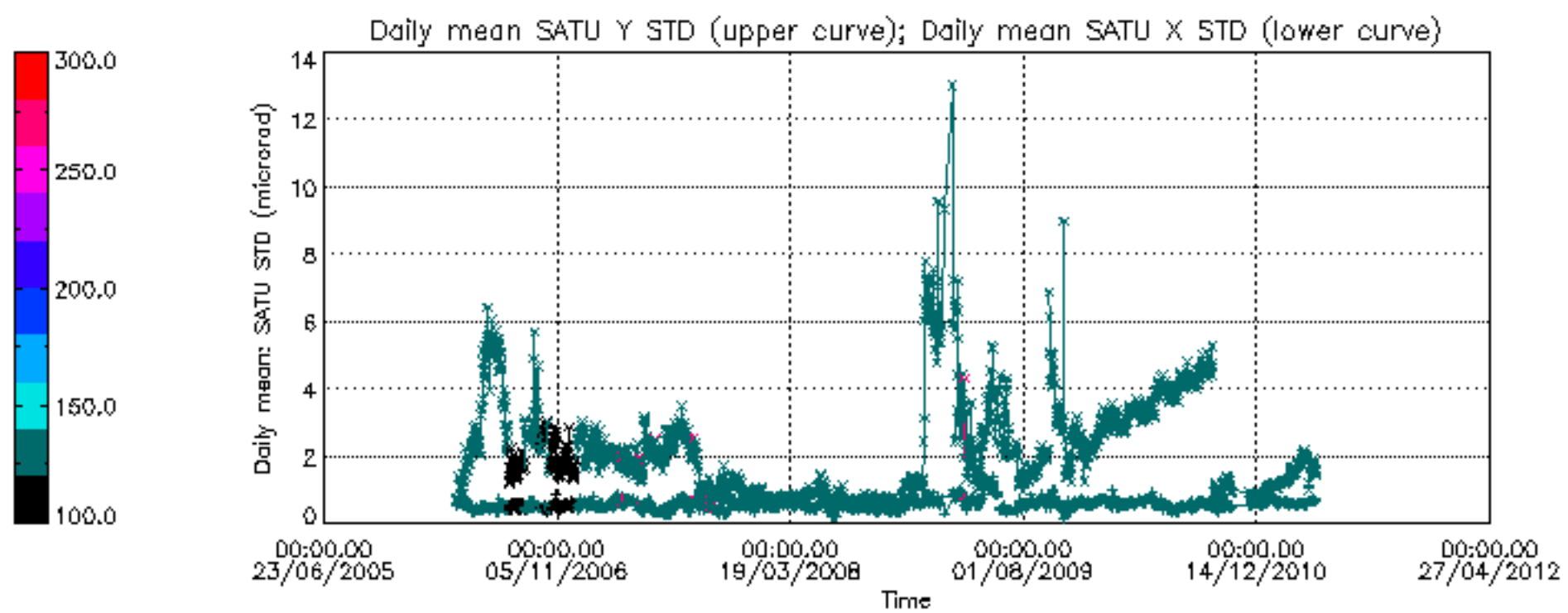


Tangent altitude at which the star is lost









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 23; 7584.6; 02-APR-2011 09:48:59; Dark ; 40.0; 100; 4Gam Crv ; 2.58; 13100;occ; 80; 0;47522
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23; 7584.8; 02-APR-2011 11:29:14; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;47523
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6; 2931.0; 02-APR-2011 11:51:54; Bright; 43.0; 32; 77Eps UMA ; 1.76; 11000;occ; 86; 0;47523
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