

# GOMOS Daily Report 02-MAY-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	05MAY2011 07:05:15
Data source version	GOMOS/5.01
Start time of products	02MAY2011 00:02:24
Stop time of products	02MAY2011 23:48:27
Store outputs in DB	Yes
Nb of level 1b prods	268
Nb of prods with errors	3

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

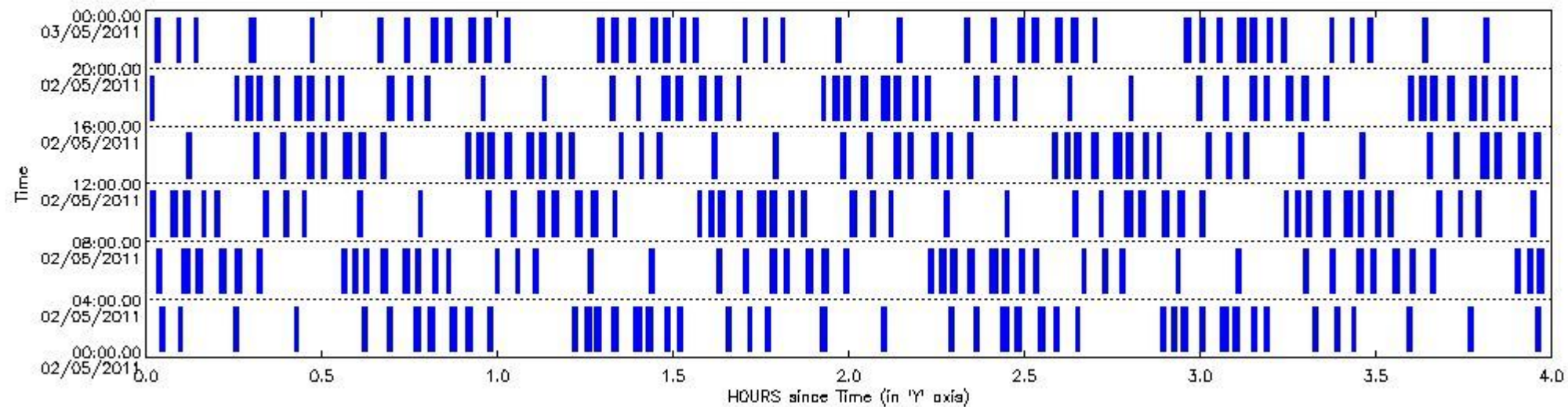
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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_1PNPDE20110502_000224_000000443102_00088_47947_9785.N1	02-MAY-2011 00:02:24	Bright	43.500	83		2.3780	11000.	87	47947	No
2	GOM_TRA_1PNPDE20110502_000525_000000403102_00088_47947_9786.N1	02-MAY-2011 00:05:25	Bright	40.000	180	27Gam Boo	3.0400	8000.0	80	47947	No
3	GOM_TRA_1PNPDE20110502_001453_000000433102_00088_47947_9787.N1	02-MAY-2011 00:14:53	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	47947	No
4	GOM_TRA_1PNPDE20110502_002516_000000423102_00088_47947_9788.N1	02-MAY-2011 00:25:16	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	47947	No
5	GOM_TRA_1PNPDE20110502_003644_000000483102_00088_47947_9789.N1	02-MAY-2011 00:36:44	Bright	48.000	164	44Eta Peg	2.9480	5400.0	96	47947	No
6	GOM_TRA_1PNPDE20110502_004113_000000443102_00088_47947_9790.N1	02-MAY-2011 00:41:13	Twilight	44.000	90	54Alp Peg	2.4870	11000.	88	47947	No
7	GOM_TRA_1PNPDE20110502_004540_000000683102_00088_47947_9791.N1	02-MAY-2011 00:45:40	Dark	67.500	61	8Eps Peg	2.1000	3900.0	135	47947	No
8	GOM_TRA_1PNPDE20110502_004806_000000583102_00088_47947_9792.N1	02-MAY-2011 00:48:06	Dark	57.500	162	34Alp Aqr	2.9440	5350.0	115	47947	No
9	GOM_TRA_1PNPDE20110502_005157_000000633102_00088_47947_9808.N1	02-MAY-2011 00:51:57	Dark	62.500	154	22Bet Aqr	2.8990	5700.0	125	47947	No
10	GOM_TRA_1PNPDE20110502_005822_000000433102_00088_47947_9809.N1	02-MAY-2011 00:58:22	Dark	42.500	172	Gam Gru	3.0030	13100.	85	47947	No
11	GOM_TRA_1PNPDE20110502_011252_000000423102_00089_47948_9810.N1	02-MAY-2011 01:12:52	Straylight	42.000	141	Bet Ara	2.8400	4600.0	84	47948	No
12	GOM_TRA_1PNPDE20110502_011447_000000633102_00089_47948_9811.N1	02-MAY-2011 01:14:47	Straylight	63.000	40	The Sco	1.8590	7100.0	126	47948	No

13	GOM_TRA_1PNPDE20110502_011633_000000603102_00089_47948_9812.N1	02-MAY-2011 01:16:33	Straylight	60.000	25	35Lam Sco	1.6200	28000.	120	47948	No
14	GOM_TRA_1PNPDE20110502_011935_000000583102_00089_47948_9813.N1	02-MAY-2011 01:19:35	Straylight	57.500	75	26Eps Sco	2.2910	4250.0	115	47948	No
15	GOM_TRA_1PNPDE20110502_012314_000000713102_00089_47948_9814.N1	02-MAY-2011 01:23:14	Twilight	71.000	16	21Alp Sco	1.0200	3000.0	142	47948	No
16	GOM_TRA_1PNPDE20110502_012524_000000633102_00089_47948_9815.N1	02-MAY-2011 01:25:24	Twilight	62.500	80	7Del Sco	2.3160	30000.	125	47948	No
17	GOM_TRA_1PNPDE20110502_012830_000000443102_00089_47948_9816.N1	02-MAY-2011 01:28:30	Bright	44.000	122	9Alp2Lib	2.7470	9700.0	88	47948	No
18	GOM_TRA_1PNPDE20110502_013043_000000483102_00089_47948_9817.N1	02-MAY-2011 01:30:43	Bright	48.000	104	27Bet Lib	2.6140	13100.	96	47948	No
19	GOM_TRA_1PNPDE20110502_013905_000000393102_00089_47948_9818.N1	02-MAY-2011 01:39:05	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	47948	No
20	GOM_TRA_1PNPDE20110502_014238_000000453102_00089_47948_9819.N1	02-MAY-2011 01:42:38	Bright	44.500	83		2.3780	11000.	89	47948	No
21	GOM_TRA_1PNPDE20110502_014539_000000563102_00089_47948_9820.N1	02-MAY-2011 01:45:39	Bright	56.000	180	27Gam Boo	3.0400	8000.0	112	47948	No
22	GOM_TRA_1PNPDE20110502_015506_000000653102_00089_47948_9821.N1	02-MAY-2011 01:55:06	Bright	65.000	119	14Eta Dra	2.7270	4700.0	130	47948	No
23	GOM_TRA_1PNPDE20110502_020529_000000433102_00089_47948_9822.N1	02-MAY-2011 02:05:29	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	47948	No
24	GOM_TRA_1PNPDE20110502_021658_000000493102_00089_47948_9823.N1	02-MAY-2011 02:16:58	Bright	48.500	164	44Eta Peg	2.9480	5400.0	97	47948	No
25	GOM_TRA_1PNPDE20110502_022127_000000463102_00089_47948_9824.N1	02-MAY-2011 02:21:27	Twilight	45.500	90	54Alp Peg	2.4870	11000.	91	47948	No
26	GOM_TRA_1PNPDE20110502_022555_000000733102_00089_47948_9835.N1	02-MAY-2011 02:25:55	Dark	73.000	61	8Eps Peg	2.1000	3900.0	146	47948	Yes
27	GOM_TRA_1PNPDE20110502_022820_000000573102_00089_47948_9836.N1	02-MAY-2011 02:28:20	Dark	57.000	162	34Alp Aqr	2.9440	5350.0	114	47948	No
28	GOM_TRA_1PNPDE20110502_023212_000000653102_00089_47948_9837.N1	02-MAY-2011 02:32:12	Dark	64.500	154	22Bet Aqr	2.8990	5700.0	129	47948	No
29	GOM_TRA_1PNPDE20110502_023837_000000433102_00089_47948_9838.N1	02-MAY-2011 02:38:37	Dark	43.000	172	Gam Gru	3.0030	13100.	86	47948	No
30	GOM_TRA_1PNPDE20110502_025306_000000483102_00090_47949_9839.N1	02-MAY-2011 02:53:06	Straylight	47.500	141	Bet Ara	2.8400	4600.0	95	47949	No
31	GOM_TRA_1PNPDE20110502_025502_000000593102_00090_47949_9840.N1	02-MAY-2011 02:55:02	Straylight	59.000	40	The Sco	1.8590	7100.0	118	47949	No
32	GOM_TRA_1PNPDE20110502_025648_000000583102_00090_47949_9841.N1	02-MAY-2011 02:56:48	Straylight	58.000	25	35Lam Sco	1.6200	28000.	116	47949	No
33	GOM_TRA_1PNPDE20110502_025949_000000603102_00090_47949_9842.N1	02-MAY-2011 02:59:49	Straylight	60.000	75	26Eps Sco	2.2910	4250.0	120	47949	No
34	GOM_TRA_1PNPDE20110502_030329_000000753102_00090_47949_9843.N1	02-MAY-2011 03:03:29	Twilight	75.000	16	21Alp Sco	1.0200	3000.0	150	47949	No
35	GOM_TRA_1PNPDE20110502_030539_000000603102_00090_47949_9844.N1	02-MAY-2011 03:05:39	Twilight	60.000	80	7Del Sco	2.3160	30000.	120	47949	No
36	GOM_TRA_1PNPDE20110502_030844_000000443102_00090_47949_9845.N1	02-MAY-2011 03:08:44	Bright	44.000	122	9Alp2Lib	2.7470	9700.0	88	47949	No
37	GOM_TRA_1PNPDE20110502_031057_000000483102_00090_47949_9846.N1	02-MAY-2011 03:10:57	Bright	48.000	104	27Bet Lib	2.6140	13100.	96	47949	No
38	GOM_TRA_1PNPDE20110502_031918_000000393102_00090_47949_9847.N1	02-MAY-2011 03:19:18	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	47949	No
39	GOM_TRA_1PNPDE20110502_032251_000000473102_00090_47949_9848.N1	02-MAY-2011 03:22:51	Bright	47.000	83		2.3780	11000.	94	47949	No
40	GOM_TRA_1PNPDE20110502_032552_000000403102_00090_47949_9849.N1	02-MAY-2011 03:25:52	Bright	39.500	180	27Gam Boo	3.0400	8000.0	79	47949	No
41	GOM_TRA_1PNPDE20110502_033520_000000423102_00090_47949_9850.N1	02-MAY-2011 03:35:20	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	47949	No
42	GOM_TRA_1PNPDE20110502_034543_000000423102_00090_47949_9857.N1	02-MAY-2011 03:45:43	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	47949	No
43	GOM_TRA_1PNPDE20110502_035712_000000483102_00090_47949_9858.N1	02-MAY-2011 03:57:12	Bright	48.000	164	44Eta Peg	2.9480	5400.0	96	47949	No
44	GOM_TRA_1PNPDE20110502_040141_000000463102_00090_47949_9859.N1	02-MAY-2011 04:01:41	Twilight	46.000	90	54Alp Peg	2.4870	11000.	92	47949	No
45	GOM_TRA_1PNPDE20110502_040610_000000683102_00090_47949_9860.N1	02-MAY-2011 04:06:10	Dark	67.500	61	8Eps Peg	2.1000	3900.0	135	47949	No
46	GOM_TRA_1PNPDE20110502_040835_000000573102_00090_47949_9861.N1	02-MAY-2011 04:08:35	Dark	57.000	162	34Alp Aqr	2.9440	5350.0	114	47949	No
47	GOM_TRA_1PNPDE20110502_041227_000000673102_00090_47949_9862.N1	02-MAY-2011 04:12:27	Dark	66.500	154	22Bet Aqr	2.8990	5700.0	133	47949	No
48	GOM_TRA_1PNPDE20110502_041852_000000443102_00090_47949_9863.N1	02-MAY-2011 04:18:52	Dark	44.000	172	Gam Gru	3.0030	13100.	88	47949	No
49	GOM_TRA_1PNPDE20110502_043321_000000473102_00091_47950_9864.N1	02-MAY-2011 04:33:21	Straylight	46.500	141	Bet Ara	2.8400	4600.0	93	47950	No
50	GOM_TRA_1PNPDE20110502_043517_000000523102_00091_47950_9865.N1	02-MAY-2011 04:35:17	Straylight	51.500	40	The Sco	1.8590	7100.0	103	47950	No
51	GOM_TRA_1PNPDE20110502_043703_000000583102_00091_47950_9866.N1	02-MAY-2011 04:37:03	Straylight	58.000	25	35Lam Sco	1.6200	28000.	116	47950	No
52	GOM_TRA_1PNPDE20110502_044004_000000593102_00091_47950_9867.N1	02-MAY-2011 04:40:04	Straylight	59.000	75	26Eps Sco	2.2910	4250.0	118	47950	No
53	GOM_TRA_1PNPDE20110502_044343_000000693102_00091_47950_9868.N1	02-MAY-2011 04:43:43	Twilight	68.500	16	21Alp Sco	1.0200	3000.0	137	47950	No
54	GOM_TRA_1PNPDE20110502_044553_000000613102_00091_47950_9869.N1	02-MAY-2011 04:45:53	Twilight	60.500	80	7Del Sco	2.3160	30000.	121	47950	No
55	GOM_TRA_1PNPDE20110502_044858_000000423102_00091_47950_9870.N1	02-MAY-2011 04:48:58	Bright	42.000	122	9Alp2Lib	2.7470	9700.0	84	47950	No
56	GOM_TRA_1PNPDE20110502_045111_000000443102_00091_47950_9871.N1	02-MAY-2011 04:51:11	Bright	44.000	104	27Bet Lib	2.6140	13100.	88	47950	No
57	GOM_TRA_1PNPDE20110502_045933_000000383102_00091_47950_9872.N1	02-MAY-2011 04:59:33	Bright	38.000	111	8Eta Boo	2.6800	6000.0	76	47950	No
58	GOM_TRA_1PNPDE20110502_050305_000000423102_00091_47950_9873.N1	02-MAY-2011 05:03:05	Bright	42.000	83		2.3780	11000.	84	47950	No
59	GOM_TRA_1PNPDE20110502_050606_000000493102_00091_47950_9874.N1	02-MAY-2011 05:06:06	Bright	48.500	180	27Gam Boo	3.0400	8000.0	97	47950	No
60	GOM_TRA_1PNPDE20110502_051533_000000443102_00091_47950_9875.N1	02-MAY-2011 05:15:33	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	47950	No
61	GOM_TRA_1PNPDE20110502_052557_000000423102_00091_47950_9887.N1	02-MAY-2011 05:25:57	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	47950	No
62	GOM_TRA_1PNPDE20110502_053727_000000523102_00091_47950_9888.N1	02-MAY-2011 05:37:27	Bright	51.500	164	44Eta Peg	2.9480	5400.0	103	47950	No
63	GOM_TRA_1PNPDE20110502_054156_000000473102_00091_47950_9889.N1	02-MAY-2011 05:41:56	Twilight	46.500	90	54Alp Peg	2.4870	11000.	93	47950	No
64	GOM_TRA_1PNPDE20110502_054625_000000703102_00091_47950_9890.N1	02-MAY-2011 05:46:25	Dark	70.000	61	8Eps Peg	2.1000	3900.0	140	47950	No
65	GOM_TRA_1PNPDE20110502_054850_000000563102_00091_47950_9891.N1	02-MAY-2011 05:48:50	Dark	55.500	162	34Alp Aqr	2.9440	5350.0	111	47950	No
66	GOM_TRA_1PNPDE20110502_055243_000000623102_00091_47950_9892.N1	02-MAY-2011 05:52:43	Dark	62.000	154	22Bet Aqr	2.8990	5700.0	124	47950	No
67	GOM_TRA_1PNPDE20110502_055907_000000423102_00091_47950_9893.N1	02-MAY-2011 05:59:07	Dark	41.500	172	Gam Gru	3.0030	13100.	83	47950	No
68	GOM_TRA_1PNPDE20110502_061335_000000463102_00092_47951_9894.N1	02-MAY-2011 06:13:35	Straylight	45.500	141	Bet Ara	2.8400	4600.0	91	47951	No
69	GOM_TRA_1PNPDE20110502_061532_000000583102_00092_47951_9895.N1	02-MAY-2011 06:15:32	Straylight	58.000	40	The Sco	1.8590	7100.0	116	47951	No
70	GOM_TRA_1PNPDE20110502_061718_000000633102_00092_47951_9896.N1	02-MAY-2011 06:17:18	Straylight	62.500	25	35Lam Sco	1.6200	28000.	125	47951	No
71	GOM_TRA_1PNPDE20110502_062019_000000583102_00092_47951_9897.N1	02-MAY-2011 06:20:19	Straylight	57.500	75	26Eps Sco	2.2910	4250.0	115	47951	No



72	GOM_TRA_1PNPDE20110502_062357_000000793102_00092_47951_9898.N1	02-MAY-2011 06:23:57	Twilight	79.000	16	21Alp Sco	1.0200	3000.0	158	47951	No
73	GOM_TRA_1PNPDE20110502_062607_000000603102_00092_47951_9899.N1	02-MAY-2011 06:26:07	Twilight	60.000	80	7Del Sco	2.3160	30000.	120	47951	No
74	GOM_TRA_1PNPDE20110502_062913_000000443102_00092_47951_9900.N1	02-MAY-2011 06:29:13	Bright	44.000	122	9Alp2Lib	2.7470	9700.0	88	47951	No
75	GOM_TRA_1PNPDE20110502_063125_000000483102_00092_47951_9901.N1	02-MAY-2011 06:31:25	Bright	47.500	104	27Bet Lib	2.6140	13100.	95	47951	No
76	GOM_TRA_1PNPDE20110502_063946_000000393102_00092_47951_9902.N1	02-MAY-2011 06:39:46	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	47951	No
77	GOM_TRA_1PNPDE20110502_064318_000000453102_00092_47951_9903.N1	02-MAY-2011 06:43:18	Bright	44.500	83		2.3780	11000.	89	47951	No
78	GOM_TRA_1PNPDE20110502_064620_000000393102_00092_47951_9904.N1	02-MAY-2011 06:46:20	Bright	38.500	180	27Gam Boo	3.0400	8000.0	77	47951	No
79	GOM_TRA_1PNPDE20110502_065547_000000443102_00092_47951_9905.N1	02-MAY-2011 06:55:47	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	47951	No
80	GOM_TRA_1PNPDK20110502_070610_000000433102_00092_47951_1529.N1	02-MAY-2011 07:06:10	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	47951	No
81	GOM_TRA_1PNPDK20110502_071741_000000493102_00092_47951_1530.N1	02-MAY-2011 07:17:41	Bright	49.000	164	44Eta Peg	2.9480	5400.0	98	47951	No
82	GOM_TRA_1PNPDK20110502_072210_000000473102_00092_47951_1531.N1	02-MAY-2011 07:22:10	Twilight	46.500	90	54Alp Peg	2.4870	11000.	93	47951	No
83	GOM_TRA_1PNPDK20110502_072639_000000663102_00092_47951_1532.N1	02-MAY-2011 07:26:39	Dark	66.000	61	8Eps Peg	2.1000	3900.0	132	47951	No
84	GOM_TRA_1PNPDK20110502_072905_000000553102_00092_47951_1533.N1	02-MAY-2011 07:29:05	Dark	55.000	162	34Alp Aqr	2.9440	5350.0	110	47951	No
85	GOM_TRA_1PNPDK20110502_073258_000000663102_00092_47951_1534.N1	02-MAY-2011 07:32:58	Dark	66.000	154	22Bet Aqr	2.8990	5700.0	132	47951	No
86	GOM_TRA_1PNPDK20110502_073922_000000433102_00092_47951_1535.N1	02-MAY-2011 07:39:22	Dark	42.500	172	Gam Gru	3.0030	13100.	85	47951	No
87	GOM_TRA_1PNPDK20110502_075350_000000413102_00093_47952_1536.N1	02-MAY-2011 07:53:50	Straylight	41.000	141	Bet Ara	2.8400	4600.0	82	47952	No
88	GOM_TRA_1PNPDK20110502_075547_000000553102_00093_47952_1537.N1	02-MAY-2011 07:55:47	Straylight	55.000	40	The Sco	1.8590	7100.0	110	47952	No
89	GOM_TRA_1PNPDK20110502_075733_000000573102_00093_47952_1538.N1	02-MAY-2011 07:57:33	Straylight	57.000	25	35Lam Sco	1.6200	28000.	114	47952	No
90	GOM_TRA_1PNPDK20110502_080034_000000563102_00093_47952_1539.N1	02-MAY-2011 08:00:34	Straylight	56.000	75	26Eps Sco	2.2910	4250.0	112	47952	No
91	GOM_TRA_1PNPDK20110502_080412_000000683102_00093_47952_1540.N1	02-MAY-2011 08:04:12	Twilight	67.500	16	21Alp Sco	1.0200	3000.0	135	47952	No
92	GOM_TRA_1PNPDK20110502_080622_000000553102_00093_47952_1541.N1	02-MAY-2011 08:06:22	Twilight	55.000	80	7Del Sco	2.3160	30000.	110	47952	No
93	GOM_TRA_1PNPDK20110502_080927_000000433102_00093_47952_1542.N1	02-MAY-2011 08:09:27	Bright	42.500	122	9Alp2Lib	2.7470	9700.0	85	47952	No
94	GOM_TRA_1PNPDK20110502_081139_000000473102_00093_47952_1572.N1	02-MAY-2011 08:11:39	Bright	47.000	104	27Bet Lib	2.6140	13100.	94	47952	No
95	GOM_TRA_1PNPDK20110502_082000_000000393102_00093_47952_1573.N1	02-MAY-2011 08:20:00	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	47952	No
96	GOM_TRA_1PNPDK20110502_082332_000000463102_00093_47952_1574.N1	02-MAY-2011 08:23:32	Bright	45.500	83		2.3780	11000.	91	47952	No
97	GOM_TRA_1PNPDK20110502_082633_000000403102_00093_47952_1575.N1	02-MAY-2011 08:26:33	Bright	40.000	180	27Gam Boo	3.0400	8000.0	80	47952	No
98	GOM_TRA_1PNPDK20110502_083600_000000443102_00093_47952_1576.N1	02-MAY-2011 08:36:00	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	47952	No
99	GOM_TRA_1PNPDK20110502_084624_000000443102_00093_47952_1577.N1	02-MAY-2011 08:46:24	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	47952	No
100	GOM_TRA_1PNPDK20110502_085755_000000513102_00093_47952_1578.N1	02-MAY-2011 08:57:55	Bright	50.500	164	44Eta Peg	2.9480	5400.0	101	47952	No
101	GOM_TRA_1PNPDK20110502_090224_000000473102_00093_47952_1579.N1	02-MAY-2011 09:02:24	Twilight	46.500	90	54Alp Peg	2.4870	11000.	93	47952	No
102	GOM_TRA_1PNPDK20110502_090654_000000703102_00093_47952_1580.N1	02-MAY-2011 09:06:54	Dark	69.500	61	8Eps Peg	2.1000	3900.0	139	47952	No
103	GOM_TRA_1PNPDK20110502_090920_000000583102_00093_47952_1581.N1	02-MAY-2011 09:09:20	Dark	57.500	162	34Alp Aqr	2.9440	5350.0	115	47952	No
104	GOM_TRA_1PNPDK20110502_091313_000000653102_00093_47952_1582.N1	02-MAY-2011 09:13:13	Dark	65.000	154	22Bet Aqr	2.8990	5700.0	130	47952	No
105	GOM_TRA_1PNPDK20110502_091936_000000423102_00093_47952_1583.N1	02-MAY-2011 09:19:36	Dark	41.500	172	Gam Gru	3.0030	13100.	83	47952	No
106	GOM_TRA_1PNPDK20110502_093405_000000423102_00094_47953_1584.N1	02-MAY-2011 09:34:05	Straylight	42.000	141	Bet Ara	2.8400	4600.0	84	47953	No
107	GOM_TRA_1PNPDK20110502_093602_000000523102_00094_47953_1585.N1	02-MAY-2011 09:36:02	Straylight	51.500	40	The Sco	1.8590	7100.0	103	47953	No
108	GOM_TRA_1PNPDK20110502_093748_000000593102_00094_47953_1586.N1	02-MAY-2011 09:37:48	Straylight	58.500	25	35Lam Sco	1.6200	28000.	117	47953	No
109	GOM_TRA_1PNPDK20110502_094048_000000613102_00094_47953_1587.N1	02-MAY-2011 09:40:48	Straylight	60.500	75	26Eps Sco	2.2910	4250.0	121	47953	No
110	GOM_TRA_1PNPDK20110502_094426_000000713102_00094_47953_1588.N1	02-MAY-2011 09:44:26	Twilight	71.000	16	21Alp Sco	1.0200	3000.0	142	47953	No
111	GOM_TRA_1PNPDK20110502_094636_000000603102_00094_47953_1589.N1	02-MAY-2011 09:46:36	Twilight	60.000	80	7Del Sco	2.3160	30000.	120	47953	No
112	GOM_TRA_1PNPDK20110502_094941_000000453102_00094_47953_1590.N1	02-MAY-2011 09:49:41	Bright	44.500	122	9Alp2Lib	2.7470	9700.0	89	47953	No
113	GOM_TRA_1PNPDK20110502_095153_000000473102_00094_47953_1591.N1	02-MAY-2011 09:51:53	Bright	47.000	104	27Bet Lib	2.6140	13100.	94	47953	No
114	GOM_TRA_1PNPDK20110502_100014_000000563102_00094_47953_1609.N1	02-MAY-2011 10:00:14	Bright	56.000	111	8Eta Boo	2.6800	6000.0	112	47953	No
115	GOM_TRA_1PNPDK20110502_100345_000000463102_00094_47953_1610.N1	02-MAY-2011 10:03:45	Bright	45.500	83		2.3780	11000.	91	47953	No
116	GOM_TRA_1PNPDK20110502_100647_000000423102_00094_47953_1611.N1	02-MAY-2011 10:06:47	Bright	42.000	180	27Gam Boo	3.0400	8000.0	84	47953	No
117	GOM_TRA_1PNPDK20110502_101613_000000463102_00094_47953_1612.N1	02-MAY-2011 10:16:13	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	47953	No
118	GOM_TRA_1PNPDK20110502_102638_000000433102_00094_47953_1613.N1	02-MAY-2011 10:26:38	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	47953	No
119	GOM_TRA_1PNPDK20110502_103809_000000483102_00094_47953_1614.N1	02-MAY-2011 10:38:09	Bright	47.500	164	44Eta Peg	2.9480	5400.0	95	47953	No
120	GOM_TRA_1PNPDK20110502_104239_000000463102_00094_47953_1615.N1	02-MAY-2011 10:42:39	Twilight	46.000	90	54Alp Peg	2.4870	11000.	92	47953	No
121	GOM_TRA_1PNPDK20110502_104709_000000703102_00094_47953_1616.N1	02-MAY-2011 10:47:09	Dark	69.500	61	8Eps Peg	2.1000	3900.0	139	47953	No
122	GOM_TRA_1PNPDK20110502_104935_000000573102_00094_47953_1617.N1	02-MAY-2011 10:49:35	Dark	57.000	162	34Alp Aqr	2.9440	5350.0	114	47953	No
123	GOM_TRA_1PNPDK20110502_105329_000000633102_00094_47953_1618.N1	02-MAY-2011 10:53:29	Dark	62.500	154	22Bet Aqr	2.8990	5700.0	125	47953	No
124	GOM_TRA_1PNPDK20110502_105951_000000453102_00094_47953_1619.N1	02-MAY-2011 10:59:51	Dark	44.500	172	Gam Gru	3.0030	13100.	89	47953	No
125	GOM_TRA_1PNPDK20110502_111419_000000423102_00095_47954_1620.N1	02-MAY-2011 11:14:19	Straylight	42.000	141	Bet Ara	2.8400	4600.0	84	47954	No
126	GOM_TRA_1PNPDK20110502_111616_000000543102_00095_47954_1621.N1	02-MAY-2011 11:16:16	Straylight	53.500	40	The Sco	1.8590	7100.0	107	47954	No
127	GOM_TRA_1PNPDK20110502_111803_000000593102_00095_47954_1622.N1	02-MAY-2011 11:18:03	Straylight	59.000	25	35Lam Sco	1.6200	28000.	118	47954	No
128	GOM_TRA_1PNPDK20110502_112103_000000613102_00095_47954_1623.N1	02-MAY-2011 11:21:03	Straylight	61.000	75	26Eps Sco	2.2910	4250.0	122	47954	No
129	GOM_TRA_1PNPDK20110502_112441_000000793102_00095_47954_1624.N1	02-MAY-2011 11:24:41	Twilight	79.000	16	21Alp Sco	1.0200	3000.0	158	47954	No
130	GOM_TRA_1PNPDK20110502_112650_000000603102_00095_47954_1625.N1	02-MAY-2011 11:26:50	Twilight	59.500	80	7Del Sco	2.3160	30000.	119	47954	No

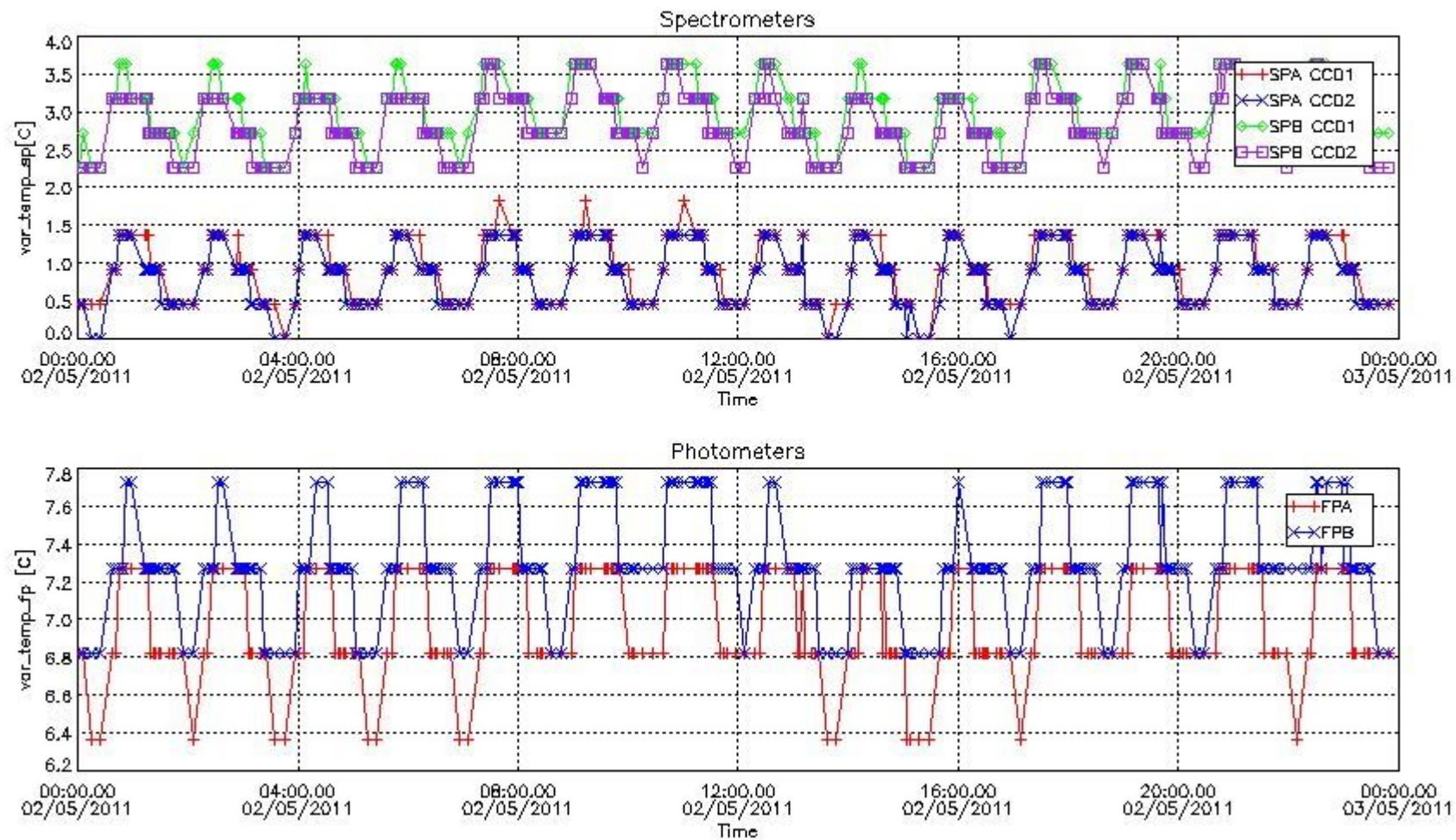
131	GOM_TRA_1PNPDK20110502_112955_000000443102_00095_47954_1626.N1	02-MAY-2011 11:29:55	Bright	44.000	122	9Alp2Lib	2.7470	9700.0	88	47954	No
132	GOM_TRA_1PNPDK20110502_113207_000000483102_00095_47954_1641.N1	02-MAY-2011 11:32:07	Bright	47.500	104	27Bet Lib	2.6140	13100.	95	47954	No
133	GOM_TRA_1PNPDK20110502_114028_000000383102_00095_47954_1642.N1	02-MAY-2011 11:40:28	Bright	38.000	111	8Eta Boo	2.6800	6000.0	76	47954	No
134	GOM_TRA_1PNPDK20110502_114359_000000463102_00095_47954_1643.N1	02-MAY-2011 11:43:59	Bright	46.000	83		2.3780	11000.	92	47954	No
135	GOM_TRA_1PNPDK20110502_114701_000000533102_00095_47954_1644.N1	02-MAY-2011 11:47:01	Bright	53.000	180	27Gam Boo	3.0400	8000.0	106	47954	No
136	GOM_TRA_1PNPDK20110502_115627_000000463102_00095_47954_1645.N1	02-MAY-2011 11:56:27	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	47954	No
137	GOM_TRA_1PNPDK20110502_120651_000000423102_00095_47954_1646.N1	02-MAY-2011 12:06:51	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	47954	No
138	GOM_TRA_1PNPDK20110502_121823_000000463102_00095_47954_1647.N1	02-MAY-2011 12:18:23	Bright	46.000	164	44Eta Peg	2.9480	5400.0	92	47954	No
139	GOM_TRA_1PNPDK20110502_122253_000000473102_00095_47954_1648.N1	02-MAY-2011 12:22:53	Twilight	47.000	90	54Alp Peg	2.4870	11000.	94	47954	No
140	GOM_TRA_1PNPDK20110502_122724_000000683102_00095_47954_1649.N1	02-MAY-2011 12:27:24	Dark	68.000	61	8Eps Peg	2.1000	3900.0	136	47954	No
141	GOM_TRA_1PNPDK20110502_122949_000000543102_00095_47954_1650.N1	02-MAY-2011 12:29:49	Dark	53.500	162	34Alp Aqr	2.9440	5350.0	107	47954	No
142	GOM_TRA_1PNPDK20110502_123344_000000683102_00095_47954_1651.N1	02-MAY-2011 12:33:44	Dark	68.000	154	22Bet Aqr	2.8990	5700.0	136	47954	No
143	GOM_TRA_1PNPDK20110502_124006_000000443102_00095_47954_1652.N1	02-MAY-2011 12:40:06	Dark	43.500	172	Gam Gru	3.0030	13100.	87	47954	No
144	GOM_TRA_1PNPDK20110502_125434_000000553102_00096_47955_1653.N1	02-MAY-2011 12:54:34	Straylight	54.500	141	Bet Ara	2.8400	4600.0	109	47955	No
145	GOM_TRA_1PNPDK20110502_125631_000000563102_00096_47955_1654.N1	02-MAY-2011 12:56:31	Straylight	55.500	40	The Sco	1.8590	7100.0	111	47955	No
146	GOM_TRA_1PNPDK20110502_125817_000000583102_00096_47955_1655.N1	02-MAY-2011 12:58:17	Straylight	57.500	25	35Lam Sco	1.6200	28000.	115	47955	No
147	GOM_TRA_1PNPDK20110502_130117_000000623102_00096_47955_1656.N1	02-MAY-2011 13:01:17	Straylight	62.000	75	26Eps Sco	2.2910	4250.0	124	47955	No
148	GOM_TRA_1PNPDK20110502_130455_000000703102_00096_47955_1657.N1	02-MAY-2011 13:04:55	Twilight	69.500	16	21Alp Sco	1.0200	3000.0	139	47955	No
149	GOM_TRA_1PNPDK20110502_130704_000000643102_00096_47955_1658.N1	02-MAY-2011 13:07:04	Twilight	63.500	80	7Del Sco	2.3160	30000.	127	47955	No
150	GOM_TRA_1PNPDK20110502_131009_000000423102_00096_47955_1685.N1	02-MAY-2011 13:10:09	Bright	41.500	122	9Alp2Lib	2.7470	9700.0	83	47955	Yes
151	GOM_TRA_1PNPDK20110502_131221_000000473102_00096_47955_1686.N1	02-MAY-2011 13:12:21	Bright	47.000	104	27Bet Lib	2.6140	13100.	94	47955	No
152	GOM_TRA_1PNPDK20110502_132042_000000383102_00096_47955_1687.N1	02-MAY-2011 13:20:42	Bright	38.000	111	8Eta Boo	2.6800	6000.0	76	47955	No
153	GOM_TRA_1PNPDK20110502_132412_000000433102_00096_47955_1688.N1	02-MAY-2011 13:24:12	Bright	43.000	83		2.3780	11000.	86	47955	No
154	GOM_TRA_1PNPDK20110502_132714_000000543102_00096_47955_1689.N1	02-MAY-2011 13:27:14	Bright	54.000	180	27Gam Boo	3.0400	8000.0	108	47955	No
155	GOM_TRA_1PNPDK20110502_133640_000000413102_00096_47955_1690.N1	02-MAY-2011 13:36:40	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	47955	No
156	GOM_TRA_1PNPDK20110502_134705_000000433102_00096_47955_1691.N1	02-MAY-2011 13:47:05	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	47955	No
157	GOM_TRA_1PNPDK20110502_135837_000000523102_00096_47955_1692.N1	02-MAY-2011 13:58:37	Bright	51.500	164	44Eta Peg	2.9480	5400.0	103	47955	No
158	GOM_TRA_1PNPDK20110502_140307_000000463102_00096_47955_1693.N1	02-MAY-2011 14:03:07	Twilight	45.500	90	54Alp Peg	2.4870	11000.	91	47955	No
159	GOM_TRA_1PNPDK20110502_140739_000000673102_00096_47955_1694.N1	02-MAY-2011 14:07:39	Dark	66.500	61	8Eps Peg	2.1000	3900.0	133	47955	No
160	GOM_TRA_1PNPDK20110502_141004_000000553102_00096_47955_1695.N1	02-MAY-2011 14:10:04	Dark	55.000	162	34Alp Aqr	2.9440	5350.0	110	47955	No
161	GOM_TRA_1PNPDK20110502_141359_000000653102_00096_47955_1696.N1	02-MAY-2011 14:13:59	Dark	64.500	154	22Bet Aqr	2.8990	5700.0	129	47955	No
162	GOM_TRA_1PNPDK20110502_142020_000000423102_00096_47955_1697.N1	02-MAY-2011 14:20:20	Dark	42.000	172	Gam Gru	3.0030	13100.	84	47955	No
163	GOM_TRA_1PNPDK20110502_143448_000000503102_00097_47956_1698.N1	02-MAY-2011 14:34:48	Straylight	49.500	141	Bet Ara	2.8400	4600.0	99	47956	No
164	GOM_TRA_1PNPDK20110502_143646_000000563102_00097_47956_1699.N1	02-MAY-2011 14:36:46	Straylight	55.500	40	The Sco	1.8590	7100.0	111	47956	No
165	GOM_TRA_1PNPDK20110502_143832_000000653102_00097_47956_1700.N1	02-MAY-2011 14:38:32	Straylight	64.500	25	35Lam Sco	1.6200	28000.	129	47956	No
166	GOM_TRA_1PNPDK20110502_144132_000000603102_00097_47956_1701.N1	02-MAY-2011 14:41:32	Straylight	59.500	75	26Eps Sco	2.2910	4250.0	119	47956	No
167	GOM_TRA_1PNPDK20110502_144510_000000753102_00097_47956_1702.N1	02-MAY-2011 14:45:10	Twilight	74.500	16	21Alp Sco	1.0200	3000.0	149	47956	No
168	GOM_TRA_1PNPDK20110502_144718_000000613102_00097_47956_1703.N1	02-MAY-2011 14:47:18	Twilight	60.500	80	7Del Sco	2.3160	30000.	121	47956	No
169	GOM_TRA_1PNPDK20110502_145023_000000443102_00097_47956_1718.N1	02-MAY-2011 14:50:23	Bright	44.000	122	9Alp2Lib	2.7470	9700.0	88	47956	No
170	GOM_TRA_1PNPDK20110502_145234_000000463102_00097_47956_1719.N1	02-MAY-2011 14:52:34	Bright	46.000	104	27Bet Lib	2.6140	13100.	92	47956	No
171	GOM_TRA_1PNPDK20110502_150056_000000543102_00097_47956_1720.N1	02-MAY-2011 15:00:56	Bright	54.000	111	8Eta Boo	2.6800	6000.0	108	47956	No
172	GOM_TRA_1PNPDK20110502_150426_000000453102_00097_47956_1721.N1	02-MAY-2011 15:04:26	Bright	44.500	83		2.3780	11000.	89	47956	No
173	GOM_TRA_1PNPDK20110502_150728_000000403102_00097_47956_1722.N1	02-MAY-2011 15:07:28	Bright	39.500	180	27Gam Boo	3.0400	8000.0	79	47956	No
174	GOM_TRA_1PNPDK20110502_151653_000000463102_00097_47956_1723.N1	02-MAY-2011 15:16:53	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	47956	No
175	GOM_TRA_1PNPDK20110502_152719_000000433102_00097_47956_1724.N1	02-MAY-2011 15:27:19	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	47956	No
176	GOM_TRA_1PNPDK20110502_153851_000000503102_00097_47956_1725.N1	02-MAY-2011 15:38:51	Bright	50.000	164	44Eta Peg	2.9480	5400.0	100	47956	No
177	GOM_TRA_1PNPDK20110502_154321_000000473102_00097_47956_1726.N1	02-MAY-2011 15:43:21	Twilight	47.000	90	54Alp Peg	2.4870	11000.	94	47956	No
178	GOM_TRA_1PNPDK20110502_154754_000000723102_00097_47956_1727.N1	02-MAY-2011 15:47:54	Dark	71.500	61	8Eps Peg	2.1000	3900.0	143	47956	No
179	GOM_TRA_1PNPDK20110502_155019_000000563102_00097_47956_1728.N1	02-MAY-2011 15:50:19	Dark	56.000	162	34Alp Aqr	2.9440	5350.0	112	47956	No
180	GOM_TRA_1PNPDK20110502_155414_000000633102_00097_47956_1729.N1	02-MAY-2011 15:54:14	Dark	62.500	154	22Bet Aqr	2.8990	5700.0	125	47956	No
181	GOM_TRA_1PNPDK20110502_160035_000000433102_00097_47956_1730.N1	02-MAY-2011 16:00:35	Dark	42.500	172	Gam Gru	3.0030	13100.	85	47956	No
182	GOM_TRA_1PNPDK20110502_161503_000000453102_00098_47957_1731.N1	02-MAY-2011 16:15:03	Straylight	44.500	141	Bet Ara	2.8400	4600.0	89	47957	No
183	GOM_TRA_1PNPDK20110502_161701_000000583102_00098_47957_1732.N1	02-MAY-2011 16:17:01	Straylight	58.000	40	The Sco	1.8590	7100.0	116	47957	No
184	GOM_TRA_1PNPDK20110502_161847_000000613102_00098_47957_1733.N1	02-MAY-2011 16:18:47	Straylight	61.000	25	35Lam Sco	1.6200	28000.	122	47957	No
185	GOM_TRA_1PNPDK20110502_162147_000000613102_00098_47957_1734.N1	02-MAY-2011 16:21:47	Straylight	60.500	75	26Eps Sco	2.2910	4250.0	121	47957	No
186	GOM_TRA_1PNPDK20110502_162525_000000683102_00098_47957_1754.N1	02-MAY-2011 16:25:25	Twilight	67.500	16	21Alp Sco	1.0200	3000.0	135	47957	No
187	GOM_TRA_1PNPDK20110502_162733_000000593102_00098_47957_1755.N1	02-MAY-2011 16:27:33	Twilight	58.500	80	7Del Sco	2.3160	30000.	117	47957	No
188	GOM_TRA_1PNPDK20110502_163037_000000433102_00098_47957_1756.N1	02-MAY-2011 16:30:37	Bright	42.500	122	9Alp2Lib	2.7470	9700.0	85	47957	No
189	GOM_TRA_1PNPDK20110502_163248_000000483102_00098_47957_1757.N1	02-MAY-2011 16:32:48	Bright	47.500	104	27Bet Lib	2.6140	13100.	95	47957	No

190	GOM_TRA_1PNPDK20110502_164109_000000563102_00098_47957_1758.N1	02-MAY-2011 16:41:09	Bright	56.000	111	8Eta Boo	2.6800	6000.0	112	47957	No
191	GOM_TRA_1PNPDK20110502_164439_000000473102_00098_47957_1759.N1	02-MAY-2011 16:44:39	Bright	46.500	83		2.3780	11000.	93	47957	No
192	GOM_TRA_1PNPDK20110502_164741_000000413102_00098_47957_1760.N1	02-MAY-2011 16:47:41	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	47957	No
193	GOM_TRA_1PNPDK20110502_165707_000000443102_00098_47957_1761.N1	02-MAY-2011 16:57:07	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	47957	No
194	GOM_TRA_1PNPDK20110502_170732_000000433102_00098_47957_1762.N1	02-MAY-2011 17:07:32	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	47957	No
195	GOM_TRA_1PNPDK20110502_171905_000000503102_00098_47957_1763.N1	02-MAY-2011 17:19:05	Bright	50.000	164	44Eta Peg	2.9480	5400.0	100	47957	No
196	GOM_TRA_1PNPDK20110502_172336_000000453102_00098_47957_1764.N1	02-MAY-2011 17:23:36	Twilight	45.000	90	54Alp Peg	2.4870	11000.	90	47957	No
197	GOM_TRA_1PNPDK20110502_172809_000000713102_00098_47957_1765.N1	02-MAY-2011 17:28:09	Dark	70.500	61	8Eps Peg	2.1000	3900.0	141	47957	No
198	GOM_TRA_1PNPDK20110502_173034_000000543102_00098_47957_1766.N1	02-MAY-2011 17:30:34	Dark	54.000	162	34Alp Aqr	2.9440	5350.0	108	47957	No
199	GOM_TRA_1PNPDK20110502_173430_000000673102_00098_47957_1767.N1	02-MAY-2011 17:34:30	Dark	67.000	154	22Bet Aqr	2.8990	5700.0	134	47957	No
200	GOM_TRA_1PNPDK20110502_174050_000000433102_00098_47957_1768.N1	02-MAY-2011 17:40:50	Dark	42.500	172	Gam Gru	3.0030	13100.	85	47957	No
201	GOM_TRA_1PNPDK20110502_175518_000000433102_00099_47958_1769.N1	02-MAY-2011 17:55:18	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	47958	No
202	GOM_TRA_1PNPDK20110502_175716_000000593102_00099_47958_1770.N1	02-MAY-2011 17:57:16	Straylight	59.000	40	The Sco	1.8590	7100.0	118	47958	No
203	GOM_TRA_1PNPDK20110502_175902_000000633102_00099_47958_1771.N1	02-MAY-2011 17:59:02	Straylight	62.500	25	35Lam Sco	1.6200	28000.	125	47958	No
204	GOM_TRA_1PNPDK20110502_180202_000000593102_00099_47958_1784.N1	02-MAY-2011 18:02:02	Straylight	59.000	75	26Eps Sco	2.2910	4250.0	118	47958	No
205	GOM_TRA_1PNPDK20110502_180539_000000733102_00099_47958_1785.N1	02-MAY-2011 18:05:39	Twi_and_stray	73.000	16	21Alp Sco	1.0200	3000.0	146	47958	No
206	GOM_TRA_1PNPDK20110502_180747_000000633102_00099_47958_1786.N1	02-MAY-2011 18:07:47	Twi_and_stray	63.000	80	7Del Sco	2.3160	30000.	126	47958	No
207	GOM_TRA_1PNPDK20110502_181051_000000433102_00099_47958_1787.N1	02-MAY-2011 18:10:51	Bright	43.000	122	9Alp2Lib	2.7470	9700.0	86	47958	No
208	GOM_TRA_1PNPDK20110502_181303_000000473102_00099_47958_1788.N1	02-MAY-2011 18:13:03	Bright	47.000	104	27Bet Lib	2.6140	13100.	94	47958	No
209	GOM_TRA_1PNPDK20110502_182124_000000383102_00099_47958_1789.N1	02-MAY-2011 18:21:24	Bright	38.000	111	8Eta Boo	2.6800	6000.0	76	47958	No
210	GOM_TRA_1PNPDK20110502_182453_000000463102_00099_47958_1790.N1	02-MAY-2011 18:24:53	Bright	46.000	83		2.3780	11000.	92	47958	No
211	GOM_TRA_1PNPDK20110502_182755_000000423102_00099_47958_1791.N1	02-MAY-2011 18:27:55	Bright	41.500	180	27Gam Boo	3.0400	8000.0	83	47958	No
212	GOM_TRA_1PNPDK20110502_183720_000000443102_00099_47958_1792.N1	02-MAY-2011 18:37:20	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	47958	No
213	GOM_TRA_1PNPDK20110502_184746_000000433102_00099_47958_1793.N1	02-MAY-2011 18:47:46	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	47958	No
214	GOM_TRA_1PNPDK20110502_185920_000000483102_00099_47958_1794.N1	02-MAY-2011 18:59:20	Bright	48.000	164	44Eta Peg	2.9480	5400.0	96	47958	No
215	GOM_TRA_1PNPDK20110502_190350_000000473102_00099_47958_1795.N1	02-MAY-2011 19:03:50	Twilight	46.500	90	54Alp Peg	2.4870	11000.	93	47958	No
216	GOM_TRA_1PNPDK20110502_190824_000000713102_00099_47958_1796.N1	02-MAY-2011 19:08:24	Dark	70.500	61	8Eps Peg	2.1000	3900.0	141	47958	No
217	GOM_TRA_1PNPDK20110502_191049_000000563102_00099_47958_1797.N1	02-MAY-2011 19:10:49	Dark	56.000	162	34Alp Aqr	2.9440	5350.0	112	47958	No
218	GOM_TRA_1PNPDK20110502_191445_000000663102_00099_47958_1798.N1	02-MAY-2011 19:14:45	Dark	65.500	154	22Bet Aqr	2.8990	5700.0	131	47958	No
219	GOM_TRA_1PNPDK20110502_192105_000000423102_00099_47958_1799.N1	02-MAY-2011 19:21:05	Dark	41.500	172	Gam Gru	3.0030	13100.	83	47958	No
220	GOM_TRA_1PNPDK20110502_193534_000000403102_00100_47959_1800.N1	02-MAY-2011 19:35:34	Straylight	39.500	141	Bet Ara	2.8400	4600.0	79	47959	No
221	GOM_TRA_1PNPDK20110502_193731_000000603102_00100_47959_1801.N1	02-MAY-2011 19:37:31	Straylight	59.500	40	The Sco	1.8590	7100.0	119	47959	No
222	GOM_TRA_1PNPDE20110502_193917_000000653102_00100_47959_9989.N1	02-MAY-2011 19:39:17	Straylight	64.500	25	35Lam Sco	1.6200	28000.	129	47959	Yes
223	GOM_TRA_1PNPDE20110502_194216_000000593102_00100_47959_9990.N1	02-MAY-2011 19:42:16	Straylight	59.000	75	26Eps Sco	2.2910	4250.0	118	47959	No
224	GOM_TRA_1PNPDE20110502_194553_000000713102_00100_47959_9991.N1	02-MAY-2011 19:45:53	Twi_and_stray	71.000	16	21Alp Sco	1.0200	3000.0	142	47959	No
225	GOM_TRA_1PNPDE20110502_194801_000000583102_00100_47959_9992.N1	02-MAY-2011 19:48:01	Twi_and_stray	58.000	80	7Del Sco	2.3160	30000.	116	47959	No
226	GOM_TRA_1PNPDE20110502_195105_000000423102_00100_47959_9993.N1	02-MAY-2011 19:51:05	Bright	41.500	122	9Alp2Lib	2.7470	9700.0	83	47959	No
227	GOM_TRA_1PNPDE20110502_195317_000000463102_00100_47959_9994.N1	02-MAY-2011 19:53:17	Bright	46.000	104	27Bet Lib	2.6140	13100.	92	47959	No
228	GOM_TRA_1PNPDE20110502_200137_000000383102_00100_47959_9995.N1	02-MAY-2011 20:01:37	Bright	38.000	111	8Eta Boo	2.6800	6000.0	76	47959	No
229	GOM_TRA_1PNPDE20110502_200507_000000433102_00100_47959_9996.N1	02-MAY-2011 20:05:07	Bright	42.500	83		2.3780	11000.	85	47959	No
230	GOM_TRA_1PNPDE20110502_200808_000000413102_00100_47959_9997.N1	02-MAY-2011 20:08:08	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	47959	No
231	GOM_TRA_1PNPDE20110502_201734_000000653102_00100_47959_9998.N1	02-MAY-2011 20:17:34	Bright	65.000	119	14Eta Dra	2.7270	4700.0	130	47959	No
232	GOM_TRA_1PNPDE20110502_202800_000000403102_00100_47959_9999.N1	02-MAY-2011 20:28:00	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	47959	No
233	GOM_TRA_1PNPDE20110502_203934_000000493102_00100_47959_0000.N1	02-MAY-2011 20:39:34	Bright	48.500	164	44Eta Peg	2.9480	5400.0	97	47959	No
234	GOM_TRA_1PNPDE20110502_204404_000000473102_00100_47959_0001.N1	02-MAY-2011 20:44:04	Twilight	46.500	90	54Alp Peg	2.4870	11000.	93	47959	No
235	GOM_TRA_1PNPDE20110502_204838_000000693102_00100_47959_0012.N1	02-MAY-2011 20:48:38	Dark	69.000	61	8Eps Peg	2.1000	3900.0	138	47959	No
236	GOM_TRA_1PNPDE20110502_205104_000000573102_00100_47959_0013.N1	02-MAY-2011 20:51:04	Dark	57.000	162	34Alp Aqr	2.9440	5350.0	114	47959	No
237	GOM_TRA_1PNPDE20110502_205501_000000653102_00100_47959_0014.N1	02-MAY-2011 20:55:01	Dark	65.000	154	22Bet Aqr	2.8990	5700.0	130	47959	No
238	GOM_TRA_1PNPDE20110502_210119_000000433102_00100_47959_0015.N1	02-MAY-2011 21:01:19	Dark	43.000	172	Gam Gru	3.0030	13100.	86	47959	No
239	GOM_TRA_1PNPDE20110502_211701_000000643102_00101_47960_0016.N1	02-MAY-2011 21:17:01	Straylight	64.000	38	20Eps Sgr	1.8360	11000.	128	47960	No
240	GOM_TRA_1PNPDE20110502_211932_000000563102_00101_47960_0017.N1	02-MAY-2011 21:19:32	Straylight	56.000	25	35Lam Sco	1.6200	28000.	112	47960	No
241	GOM_TRA_1PNPDE20110502_212231_000000623102_00101_47960_0018.N1	02-MAY-2011 21:22:31	Straylight	61.500	75	26Eps Sco	2.2910	4250.0	123	47960	No
242	GOM_TRA_1PNPDE20110502_212608_000000693102_00101_47960_0019.N1	02-MAY-2011 21:26:08	Twi_and_stray	69.000	16	21Alp Sco	1.0200	3000.0	138	47960	No
243	GOM_TRA_1PNPDE20110502_212816_000000643102_00101_47960_0020.N1	02-MAY-2011 21:28:16	Twi_and_stray	63.500	80	7Del Sco	2.3160	30000.	127	47960	No
244	GOM_TRA_1PNPDE20110502_213119_000000433102_00101_47960_0021.N1	02-MAY-2011 21:31:19	Bright	42.500	122	9Alp2Lib	2.7470	9700.0	85	47960	No
245	GOM_TRA_1PNPDE20110502_213331_000000473102_00101_47960_0022.N1	02-MAY-2011 21:33:31	Bright	46.500	104	27Bet Lib	2.6140	13100.	93	47960	No
246	GOM_TRA_1PNPDE20110502_214151_000000383102_00101_47960_0023.N1	02-MAY-2011 21:41:51	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	47960	No
247	GOM_TRA_1PNPDE20110502_214520_000000433102_00101_47960_0024.N1	02-MAY-2011 21:45:20	Bright	43.000	83		2.3780	11000.	86	47960	No
248	GOM_TRA_1PNPDE20110502_214822_000000403102_00101_47960_0025.N1	02-MAY-2011 21:48:22	Bright	39.500	180	27Gam Boo	3.0400	8000.0	79	47960	No



249	GOM_TRA_1PNPDE20110502_215747_000000453102_00101_47960_0026.N1	02-MAY-2011 21:57:47	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	47960	No
250	GOM_TRA_1PNPDE20110502_220813_000000433102_00101_47960_0027.N1	02-MAY-2011 22:08:13	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	47960	No
251	GOM_TRA_1PNPDE20110502_221948_000000473102_00101_47960_0028.N1	02-MAY-2011 22:19:48	Bright	47.000	164	44Eta Peg	2.9480	5400.0	94	47960	No
252	GOM_TRA_1PNPDE20110502_222418_000000463102_00101_47960_0029.N1	02-MAY-2011 22:24:18	Twilight	45.500	90	54Alp Peg	2.4870	11000.	91	47960	No
253	GOM_TRA_1PNPDE20110502_222853_000000683102_00101_47960_0030.N1	02-MAY-2011 22:28:53	Dark	68.000	61	8Eps Peg	2.1000	3900.0	136	47960	No
254	GOM_TRA_1PNPDE20110502_223118_000000573102_00101_47960_0031.N1	02-MAY-2011 22:31:18	Dark	56.500	162	34Alp Aqr	2.9440	5350.0	113	47960	No
255	GOM_TRA_1PNPDE20110502_223516_000000663102_00101_47960_0034.N1	02-MAY-2011 22:35:16	Dark	66.000	154	22Bet Aqr	2.8990	5700.0	132	47960	No
256	GOM_TRA_1PNPDE20110502_224134_000000443102_00101_47960_0035.N1	02-MAY-2011 22:41:34	Dark	44.000	172	Gam Gru	3.0030	13100.	88	47960	No
257	GOM_TRA_1PNPDE20110502_225716_000000663102_00102_47961_0036.N1	02-MAY-2011 22:57:16	Straylight	66.000	38	20Eps Sgr	1.8360	11000.	132	47961	No
258	GOM_TRA_1PNPDE20110502_225947_000000573102_00102_47961_0037.N1	02-MAY-2011 22:59:47	Straylight	57.000	25	35Lam Sco	1.6200	28000.	114	47961	No
259	GOM_TRA_1PNPDE20110502_230245_000000613102_00102_47961_0038.N1	02-MAY-2011 23:02:45	Straylight	61.000	75	26Eps Sco	2.2910	4250.0	122	47961	No
260	GOM_TRA_1PNPDE20110502_230622_000000763102_00102_47961_0039.N1	02-MAY-2011 23:06:22	Twilight_and_stray	75.500	16	21Alp Sco	1.0200	3000.0	151	47961	No
261	GOM_TRA_1PNPDE20110502_230830_000000613102_00102_47961_0040.N1	02-MAY-2011 23:08:30	Twilight_and_stray	61.000	80	7Del Sco	2.3160	30000.	122	47961	No
262	GOM_TRA_1PNPDE20110502_231133_000000433102_00102_47961_0041.N1	02-MAY-2011 23:11:33	Bright	43.000	122	9Alp2Lib	2.7470	9700.0	86	47961	No
263	GOM_TRA_1PNPDE20110502_231344_000000473102_00102_47961_0042.N1	02-MAY-2011 23:13:44	Bright	47.000	104	27Bet Lib	2.6140	13100.	94	47961	No
264	GOM_TRA_1PNPDE20110502_232205_000000383102_00102_47961_0043.N1	02-MAY-2011 23:22:05	Bright	38.000	111	8Eta Boo	2.6800	6000.0	76	47961	No
265	GOM_TRA_1PNPDE20110502_232533_000000443102_00102_47961_0044.N1	02-MAY-2011 23:25:33	Bright	43.500	83		2.3780	11000.	87	47961	No
266	GOM_TRA_1PNPDE20110502_232836_000000413102_00102_47961_0045.N1	02-MAY-2011 23:28:36	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	47961	No
267	GOM_TRA_1PNPDE20110502_233800_000000413102_00102_47961_0046.N1	02-MAY-2011 23:38:00	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	47961	No
268	GOM_TRA_1PNPDE20110502_234827_000000433102_00102_47961_0047.N1	02-MAY-2011 23:48:27	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	47961	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).

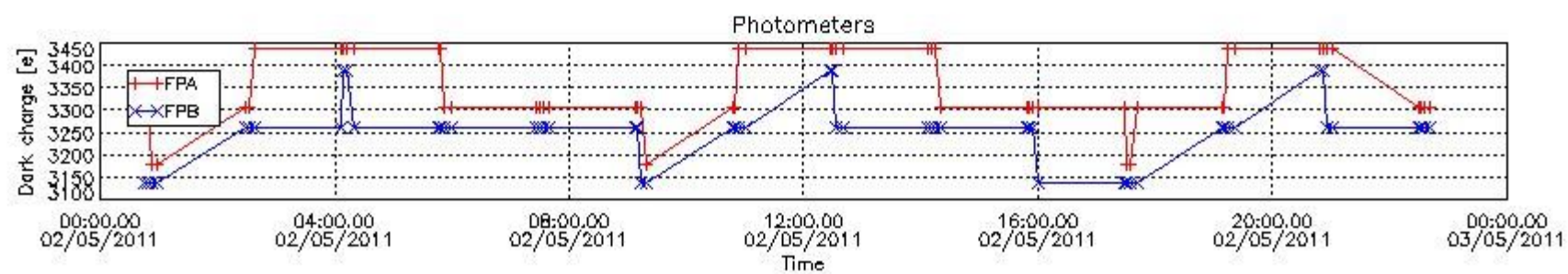
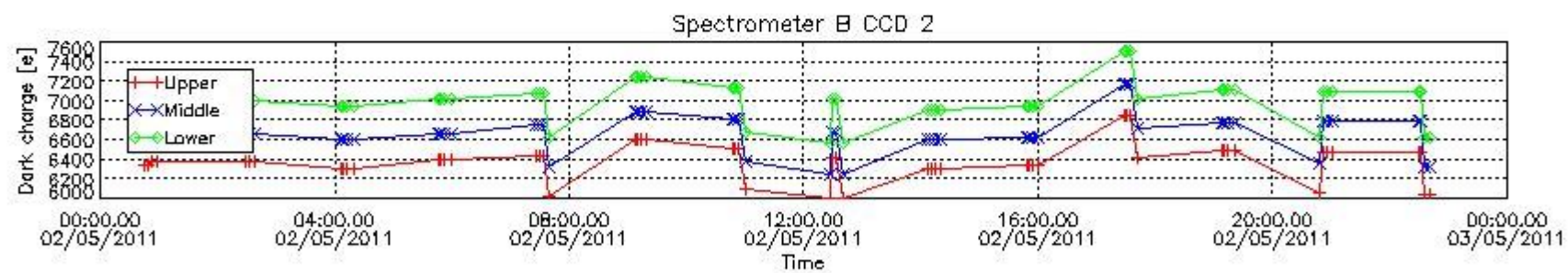
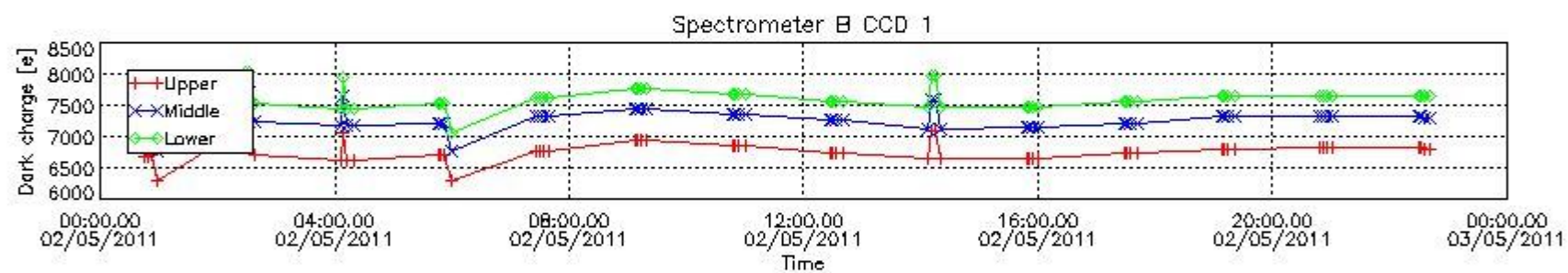
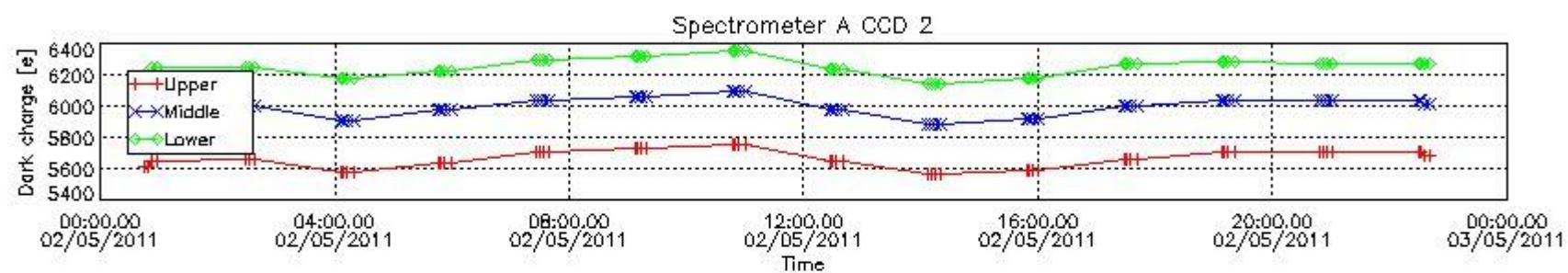
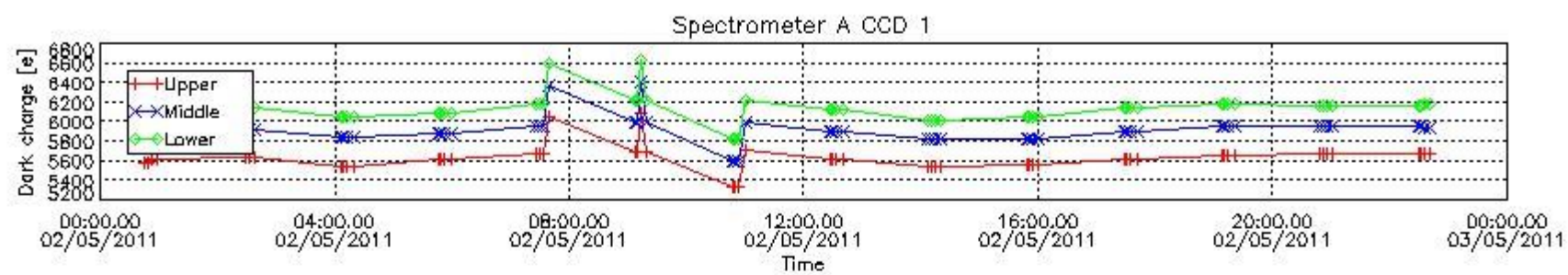
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110502_193917_000000653102_00100_47959_9989.N1	DC map with no T dep.
GOM_TRA_1PNPDE20110502_194216_000000593102_00100_47959_9990.N1	DC map used
GOM_TRA_1PNPDE20110502_194553_000000713102_00100_47959_9991.N1	DC map used
GOM_TRA_1PNPDE20110502_194801_000000583102_00100_47959_9992.N1	DC map used
GOM_TRA_1PNPDE20110502_195105_000000423102_00100_47959_9993.N1	DC map used
GOM_TRA_1PNPDE20110502_195317_000000463102_00100_47959_9994.N1	DC map used
GOM_TRA_1PNPDE20110502_200137_000000383102_00100_47959_9995.N1	DC map used
GOM_TRA_1PNPDE20110502_200507_000000433102_00100_47959_9996.N1	DC map used
GOM_TRA_1PNPDE20110502_200808_000000413102_00100_47959_9997.N1	DC map used
GOM_TRA_1PNPDE20110502_201734_000000653102_00100_47959_9998.N1	DC map used
GOM_TRA_1PNPDE20110502_202800_000000403102_00100_47959_9999.N1	DC map used
GOM_TRA_1PNPDE20110502_203934_000000493102_00100_47959_0000.N1	DC map used
GOM_TRA_1PNPDE20110502_204404_000000473102_00100_47959_0001.N1	DC map used

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





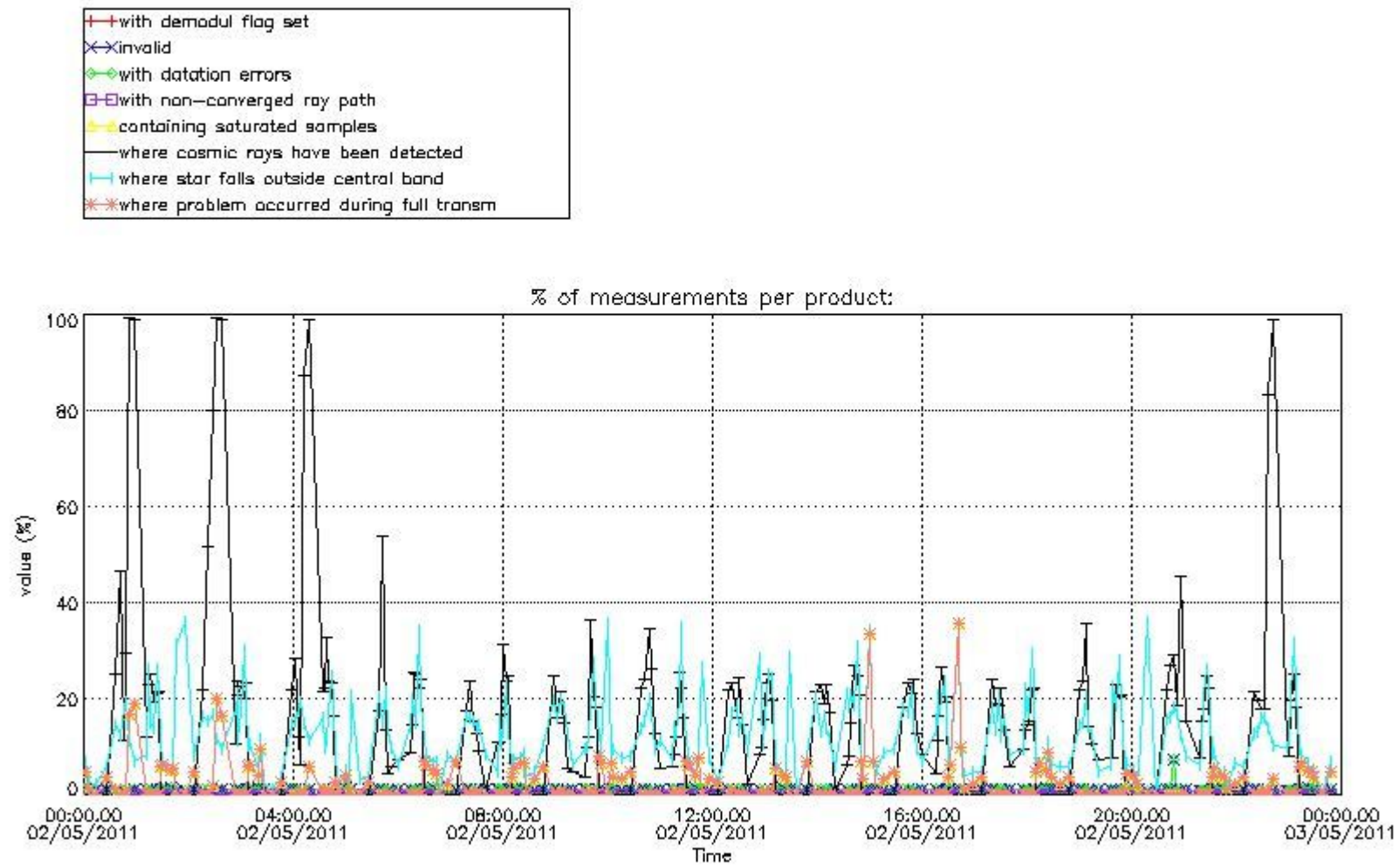
## 5. Demodulation flag and quality information monitoring

In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

### 5.1 Percentage of products during reporting period with:

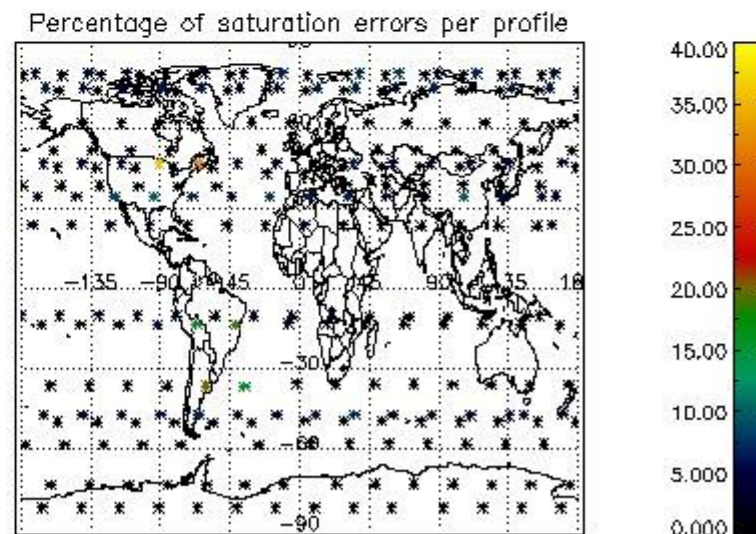
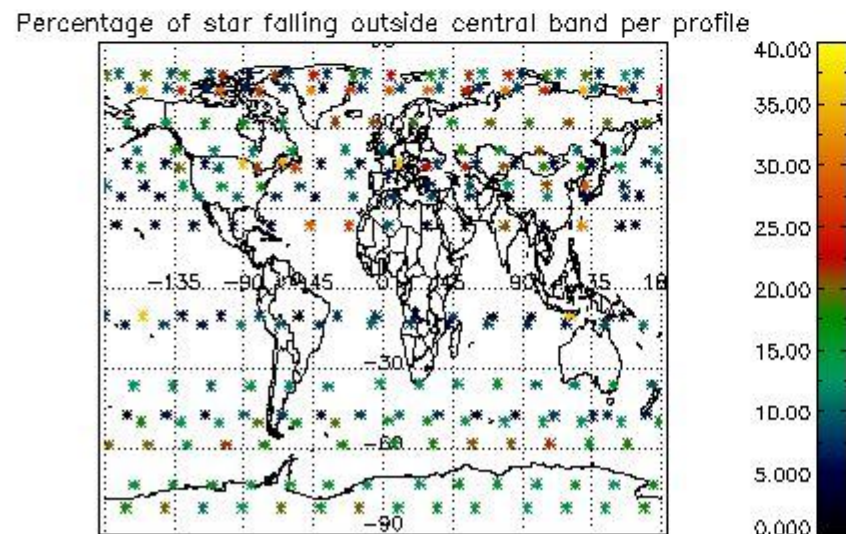
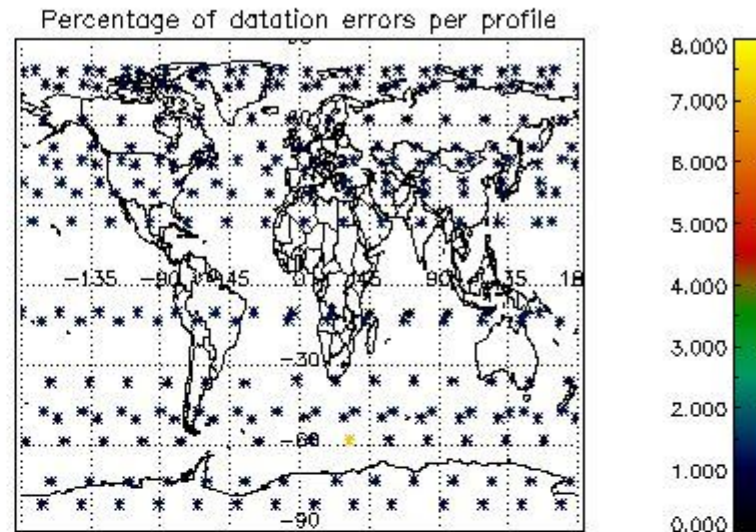
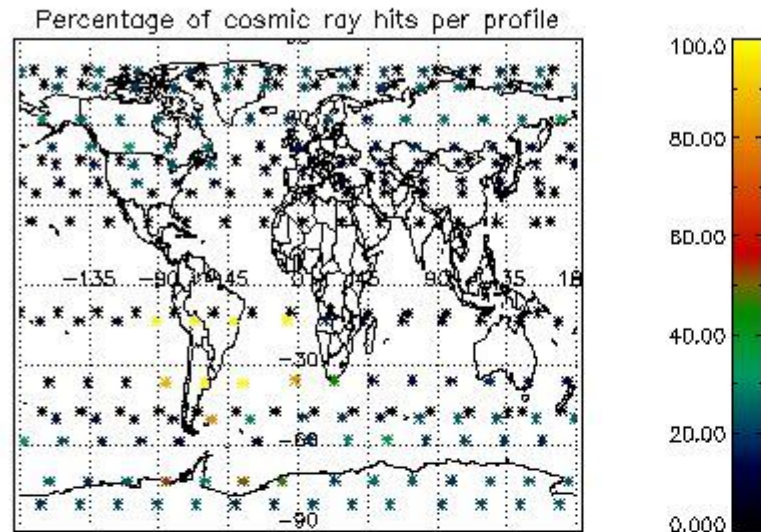
At least one measurement with demodulation flag set:	55.8491 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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)

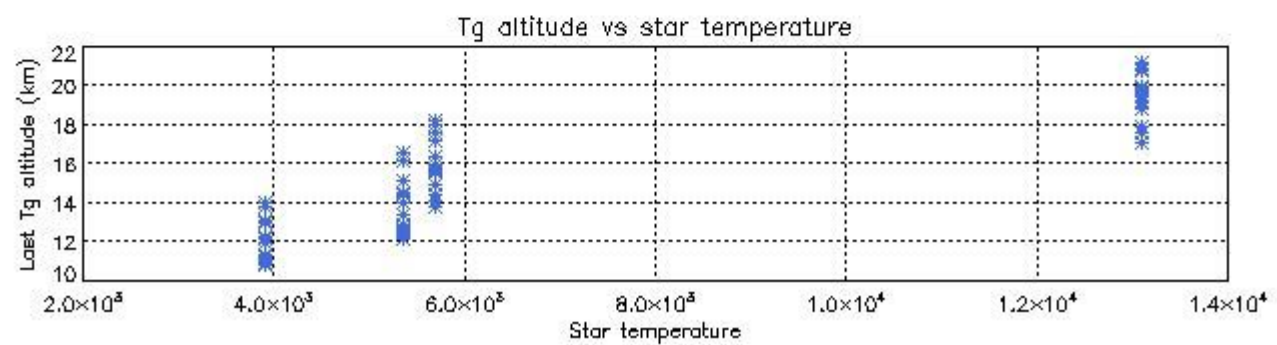
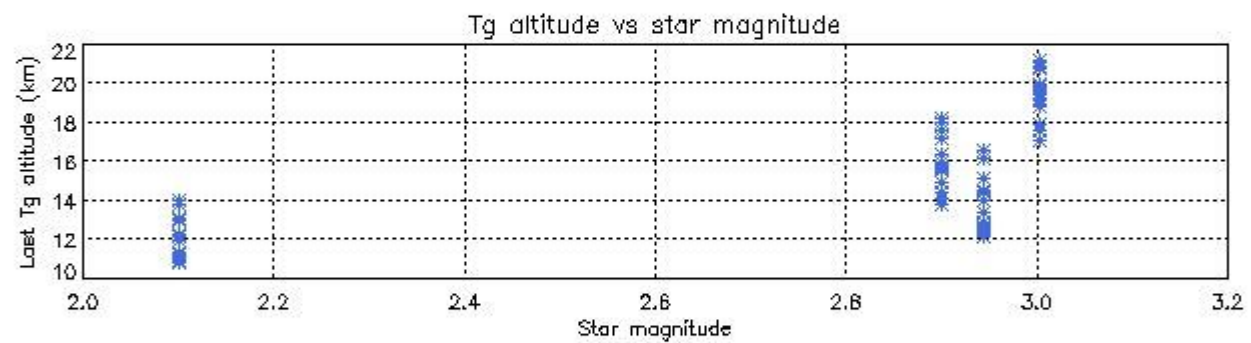
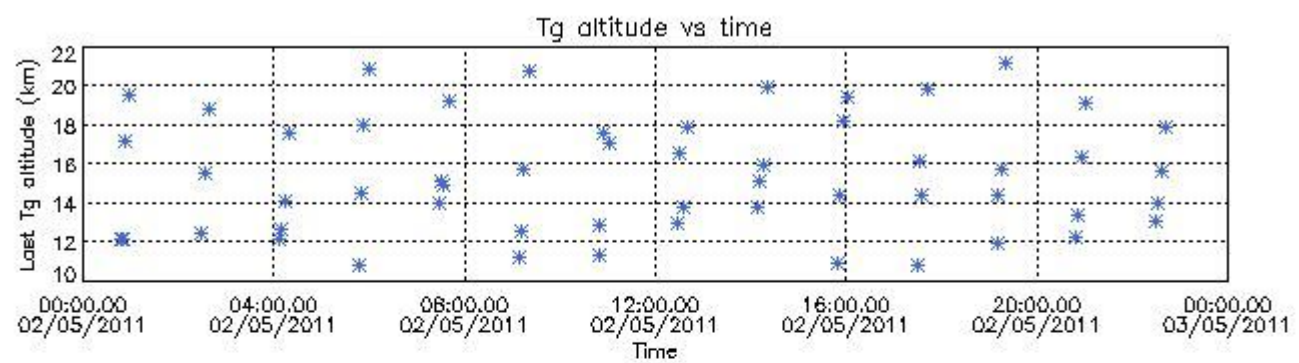
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.388	19.124	13.572
St. deviation:	2.9290	5.1866	0.81884
Maximum:	21.156	28.639	15.451
Minimum:	10.781	3.1294	12.567
Number of data:	55.000	115.00	14.000

### 6.2 Plot for DARK limb products

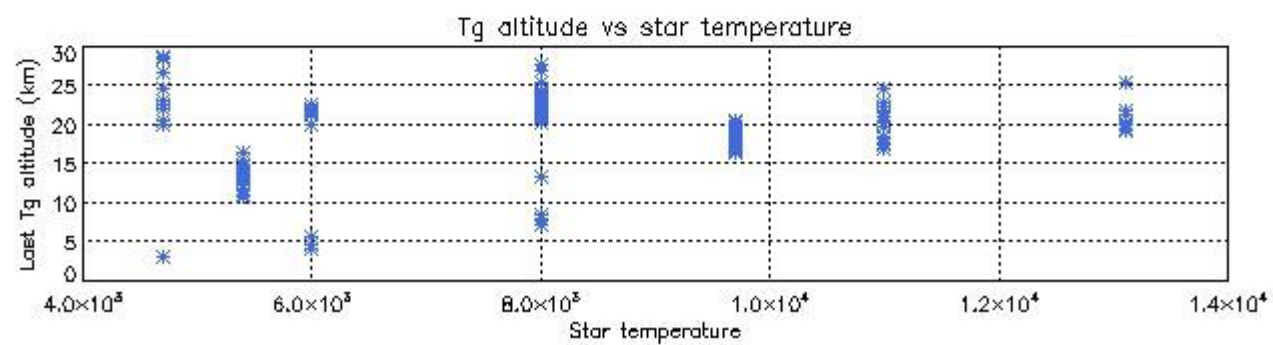
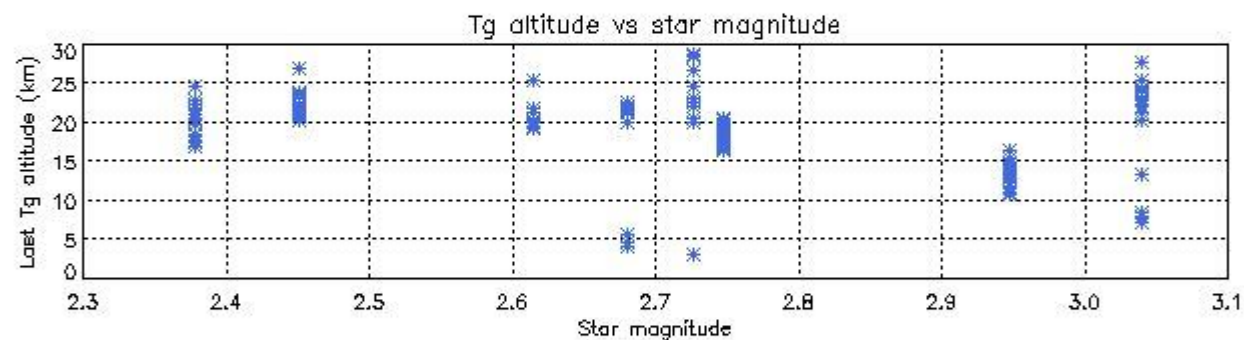
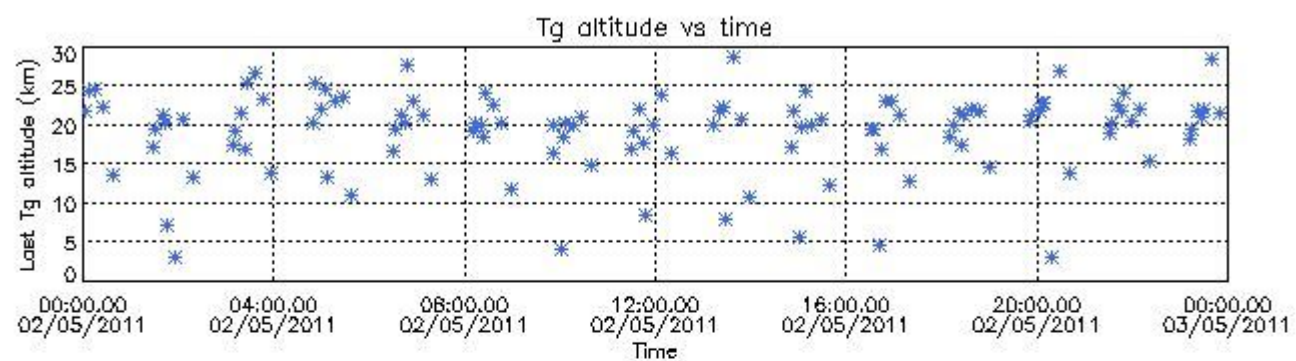


Tangent altitude at which the star is lost



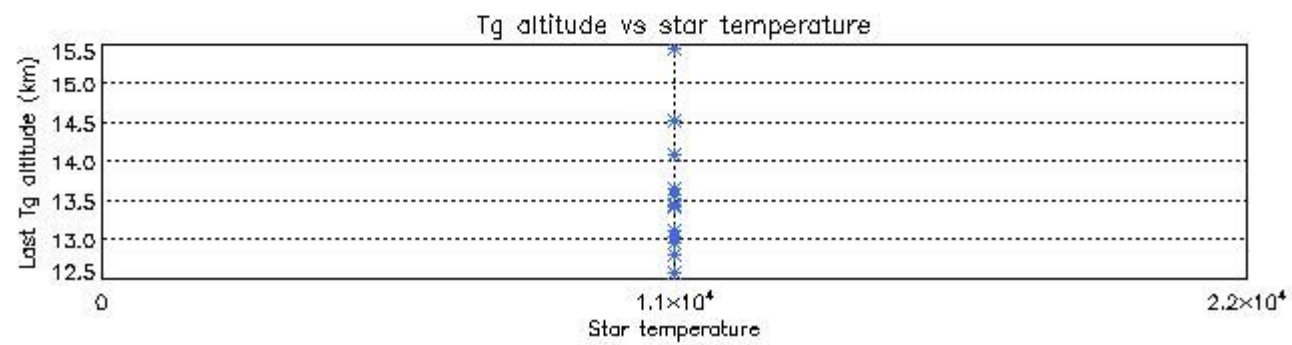
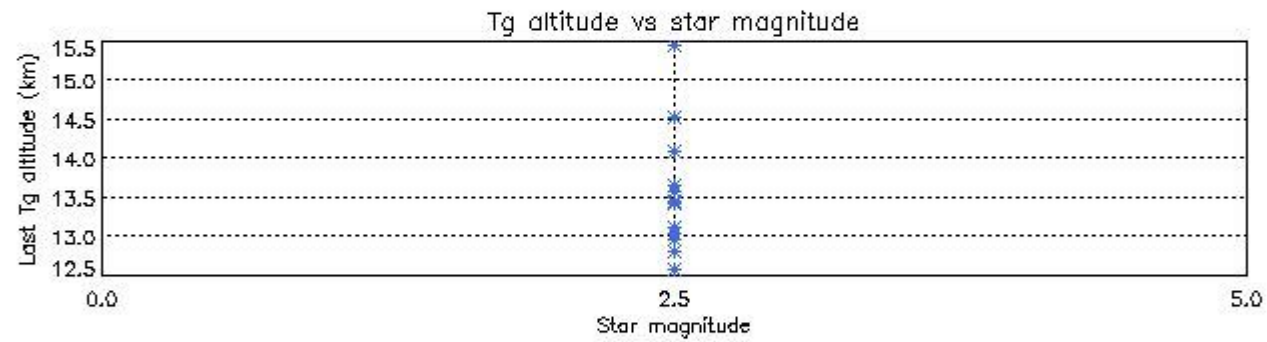
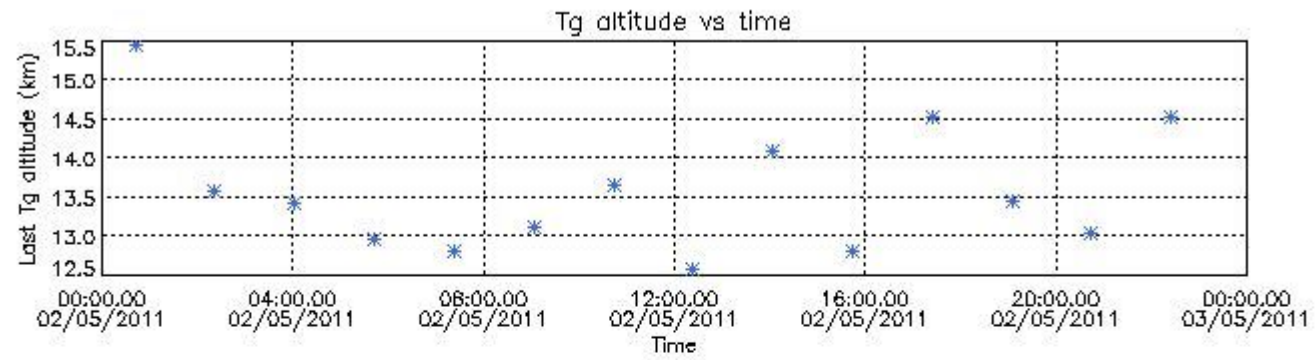
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost



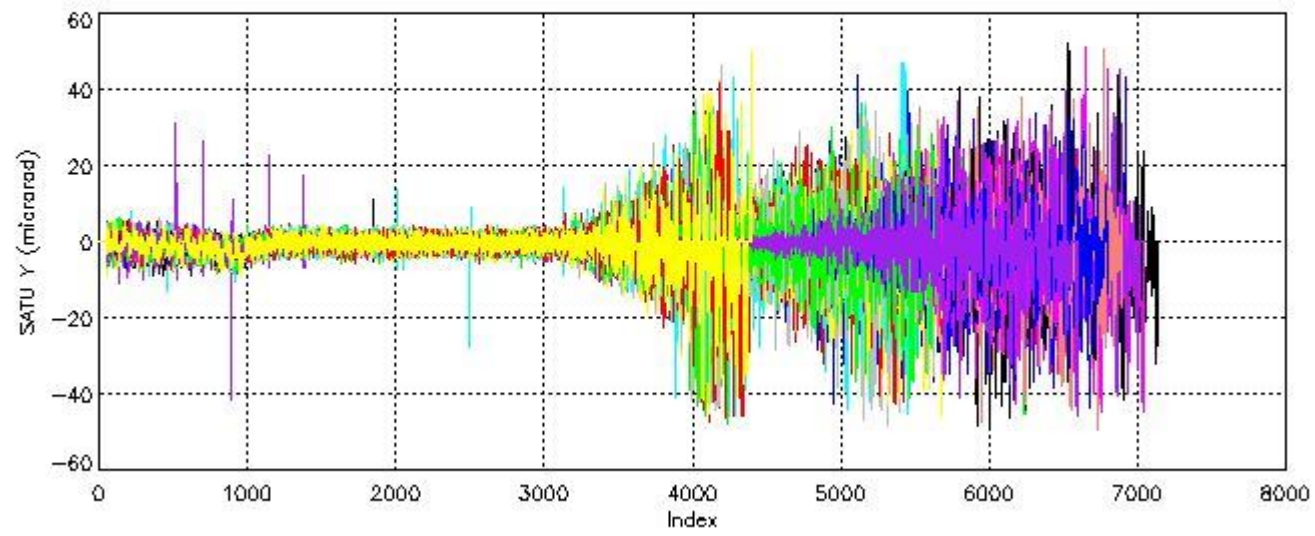
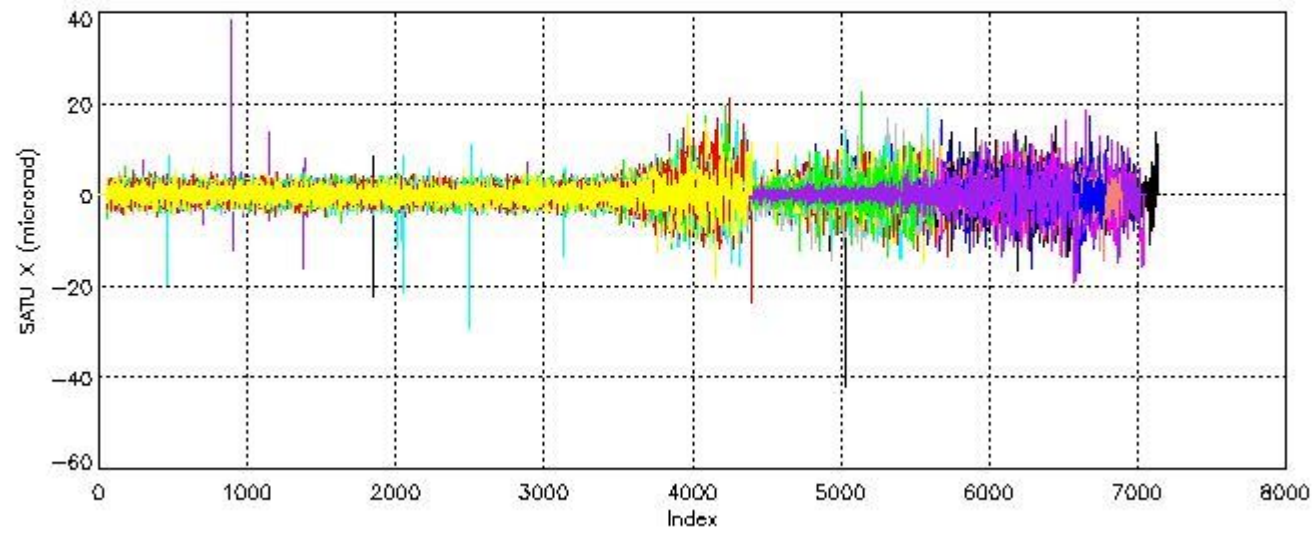
## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.28238	-1.1619	0.30070	-1.3862
St. deviation:	0.77581	1.6244	0.95287	1.7677
Maximum:	38.200	30.900	8.6000	7.1000
Minimum:	-19.800	-41.400	-13.100	-10.500

Number of data:	69950.	69950.	1.1750E+05	1.1750E+05
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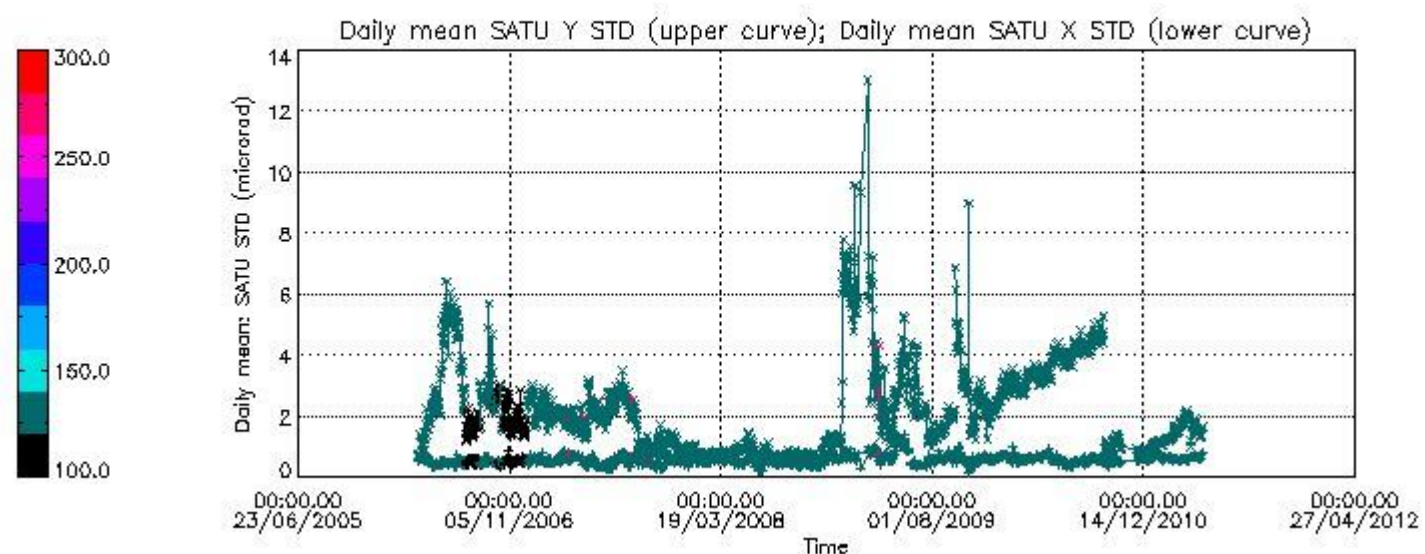
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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



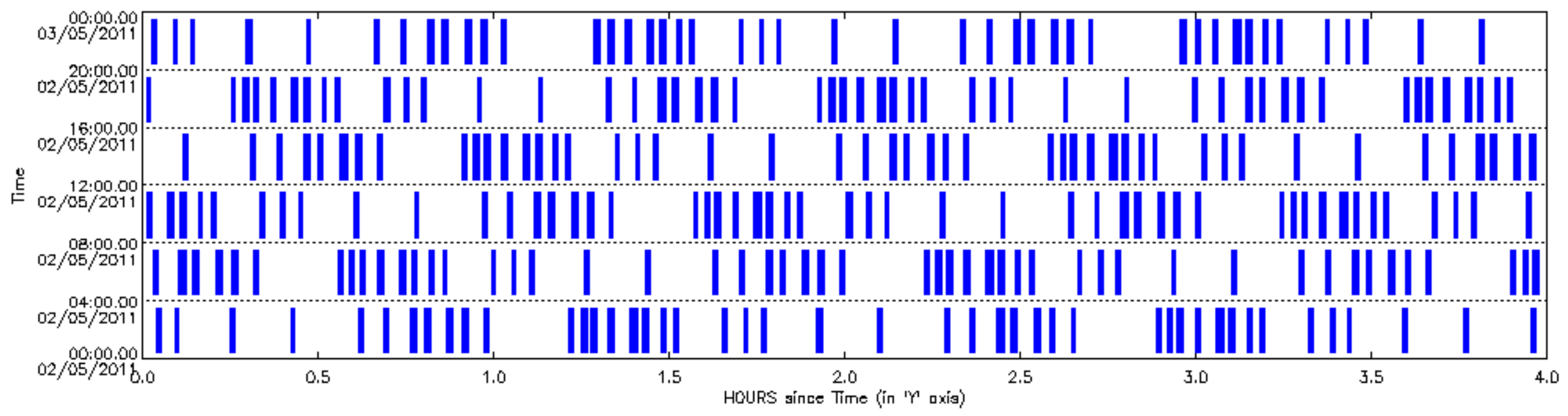
### 8. Auxiliary Data Files used for the production reported in section 2.4

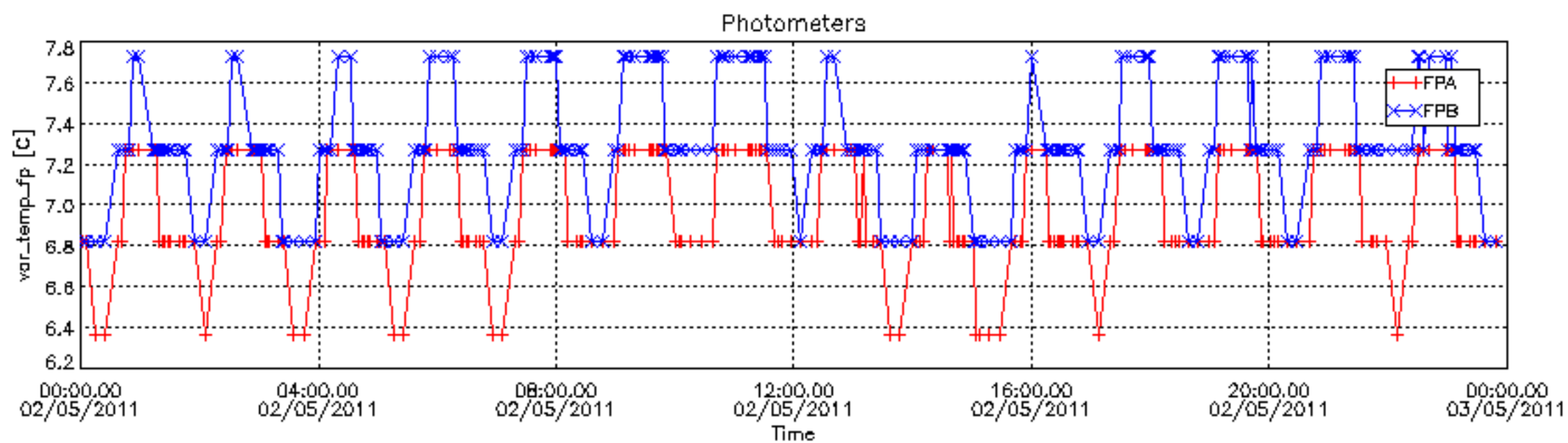
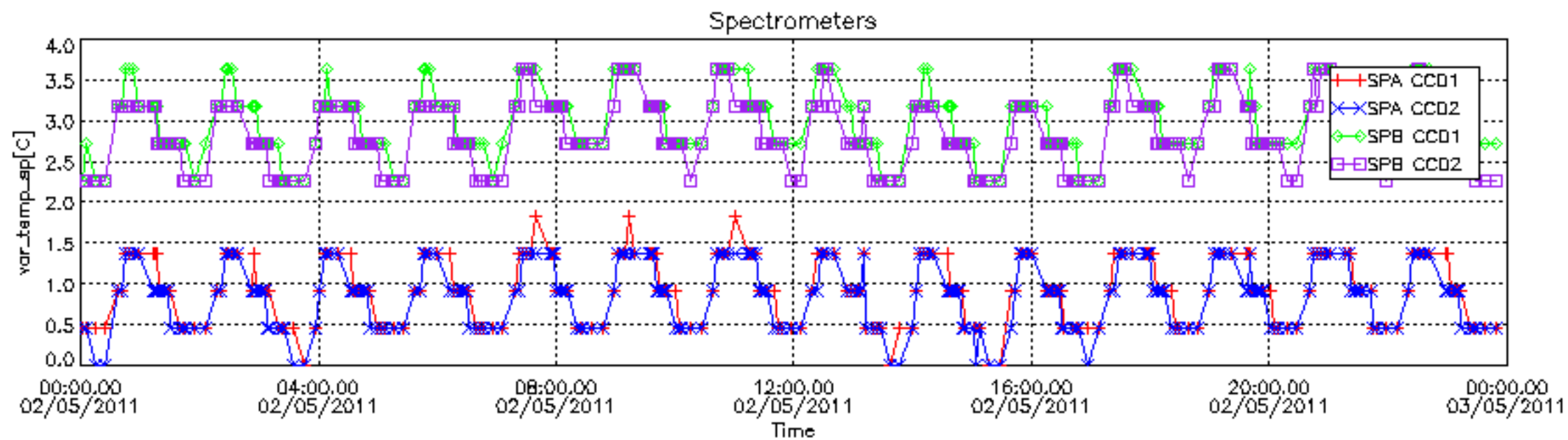
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

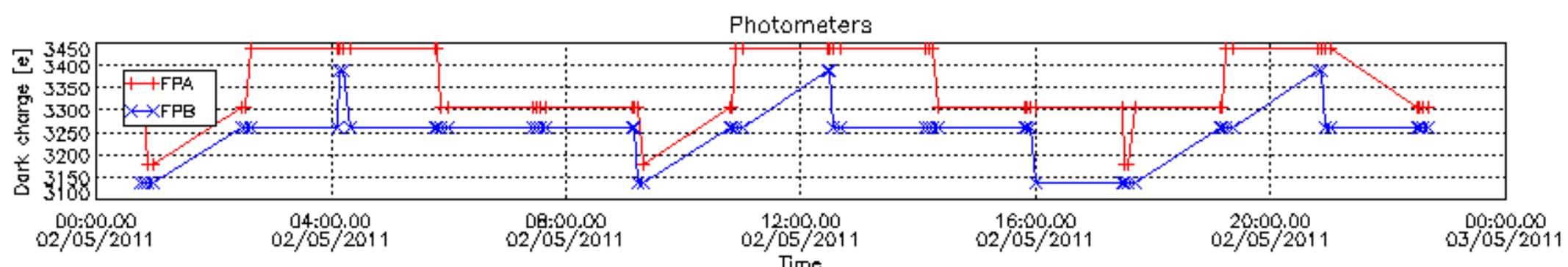
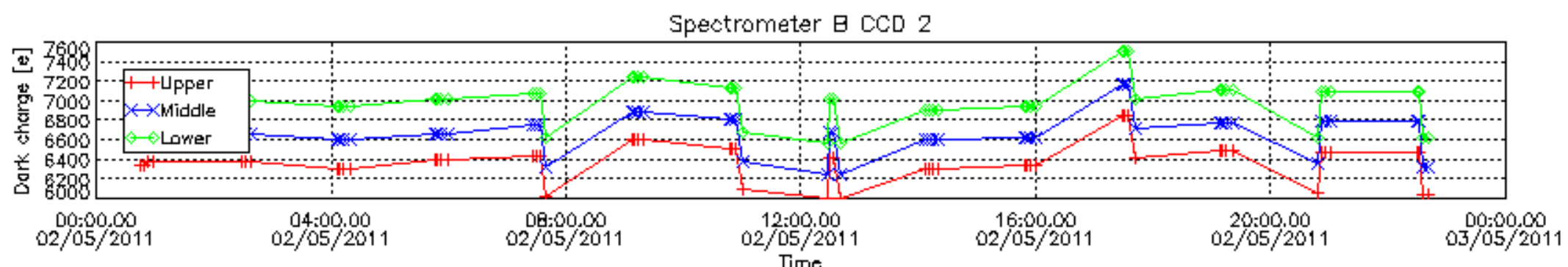
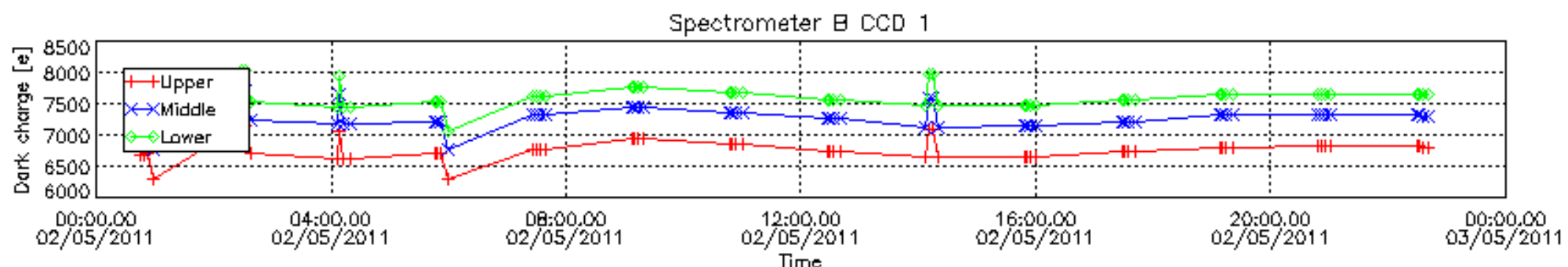
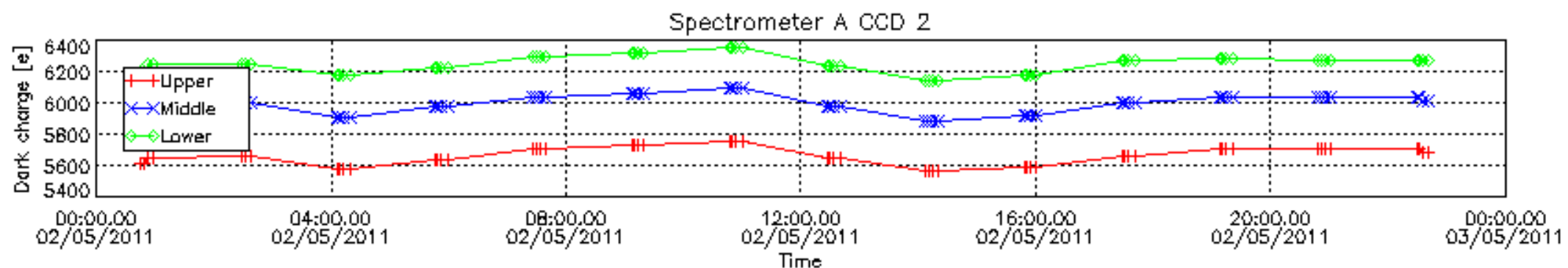
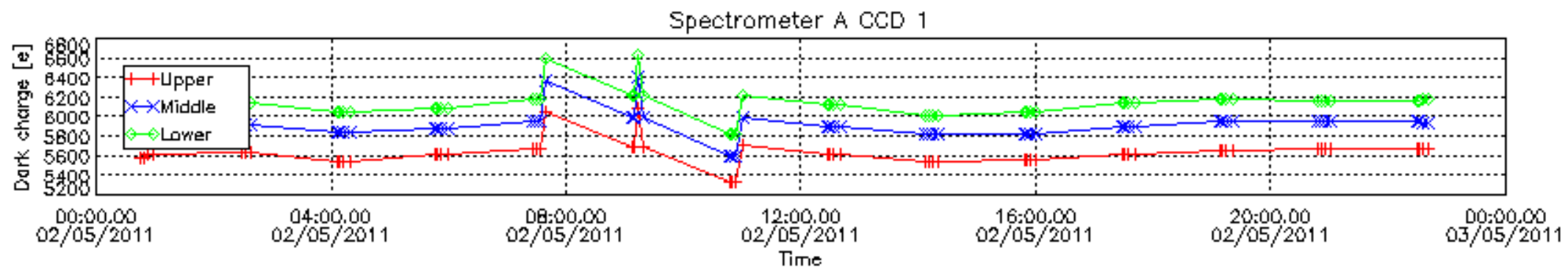
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CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110429_092904_20110427_000000_20500101_000000	1	02-MAY-2011 00:02:24
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110421_075944_20110419_000000_20500101_000000	80	02-MAY-2011 07:06:10
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	02-MAY-2011 00:02:24
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	02-MAY-2011 00:02:24
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	02-MAY-2011 00:02:24
ECMWF_FILE	AUX_ECF_AXNECM20110501_062116_20110501_210000_20110502_090000	1	02-MAY-2011 00:02:24
ECMWF_FILE	AUX_ECF_AXNECM20110501_182116_20110502_030000_20110502_150000	42	02-MAY-2011 03:45:43
ECMWF_FILE	AUX_ECA_AXNECM20110502_062114_20110501_210000_20110502_090000	61	02-MAY-2011 05:25:57
ECMWF_FILE	AUX_ECF_AXNECM20110501_182116_20110502_030000_20110502_150000	94	02-MAY-2011 08:11:39
ECMWF_FILE	AUX_ECF_AXNECM20110502_062114_20110502_090000_20110502_210000	114	02-MAY-2011 10:00:14
ECMWF_FILE	AUX_ECF_AXNECM20110502_062115_20110502_150000_20110503_030000	186	02-MAY-2011 16:25:25
ECMWF_FILE	AUX_ECA_AXNECM20110502_182115_20110502_090000_20110502_210000	222	02-MAY-2011 19:39:17
ECMWF_FILE	AUX_ECF_AXNECM20110502_062115_20110502_150000_20110503_030000	235	02-MAY-2011 20:48:38
ECMWF_FILE	AUX_ECF_AXNECM20110502_062115_20110502_210000_20110503_090000	255	02-MAY-2011 22:35:16
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ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110502_004904_000054193102_00088_47947_3037.N1	9	02-MAY-2011 00:51:57
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110502_022443_000041443102_00089_47948_3038.N1	26	02-MAY-2011 02:25:55
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110502_033906_000057383102_00090_47949_3039.N1	42	02-MAY-2011 03:45:43

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ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110502_144834_000054193102_00097_47956_4473.N1	169	02-MAY-2011 14:50:23
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110502_161853_000057383102_00098_47957_4474.N1	186	02-MAY-2011 16:25:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110502_175950_000057383102_00099_47958_4475.N1	204	02-MAY-2011 18:02:02
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110502_193528_000038263102_00100_47959_3041.N1	222	02-MAY-2011 19:39:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110502_204433_000060573102_00100_47959_3042.N1	235	02-MAY-2011 20:48:38
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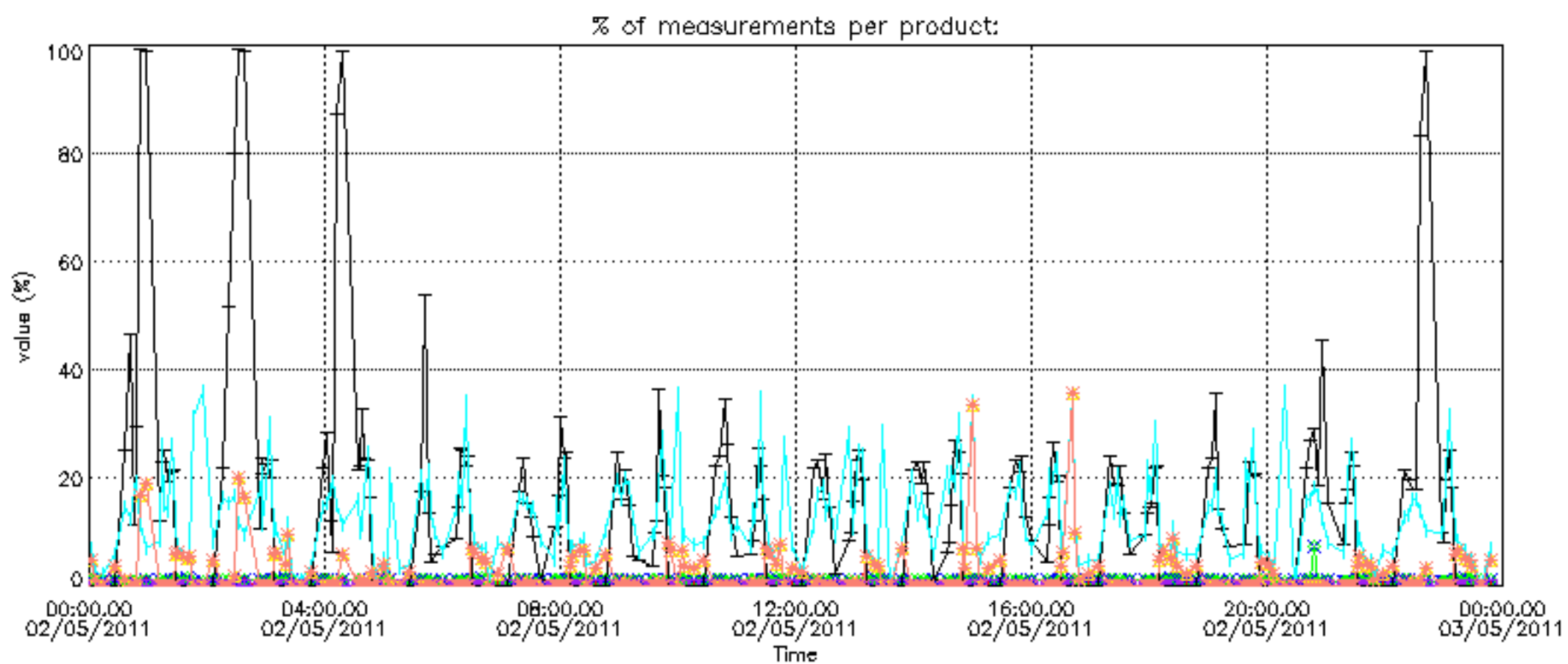




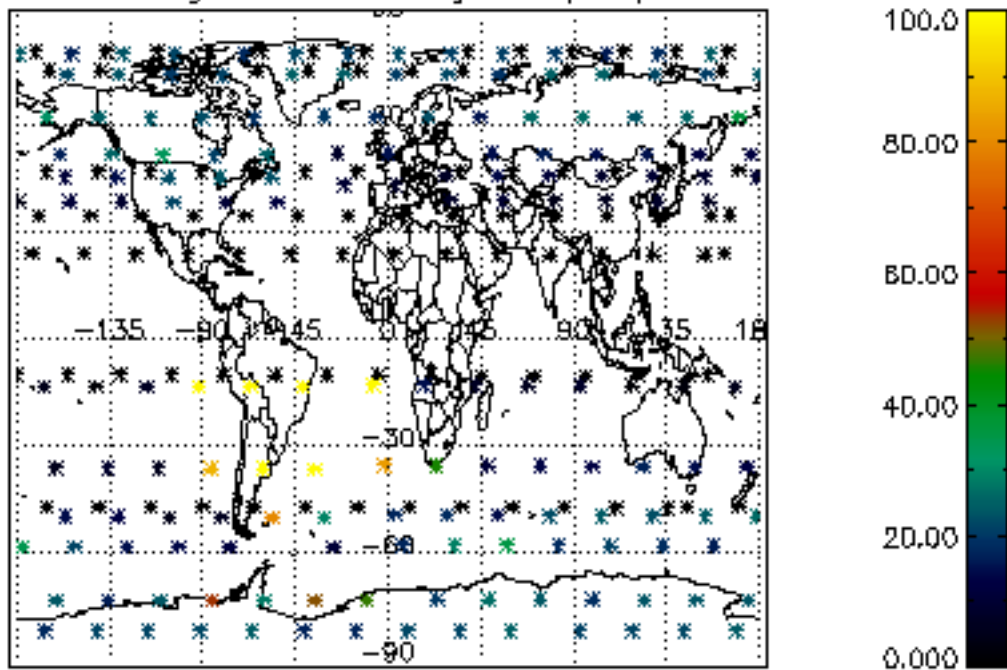




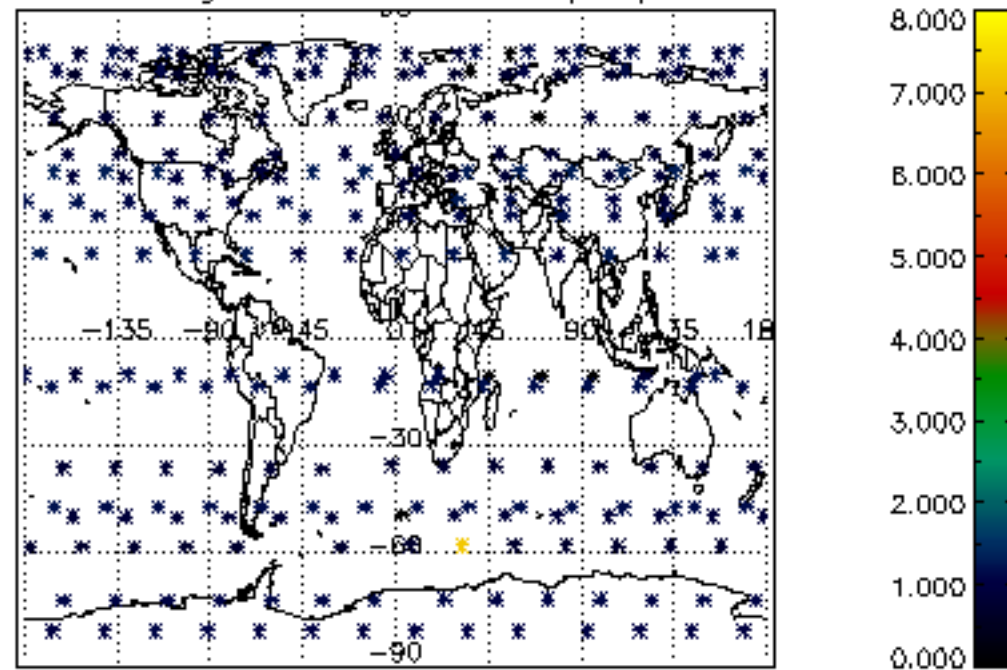




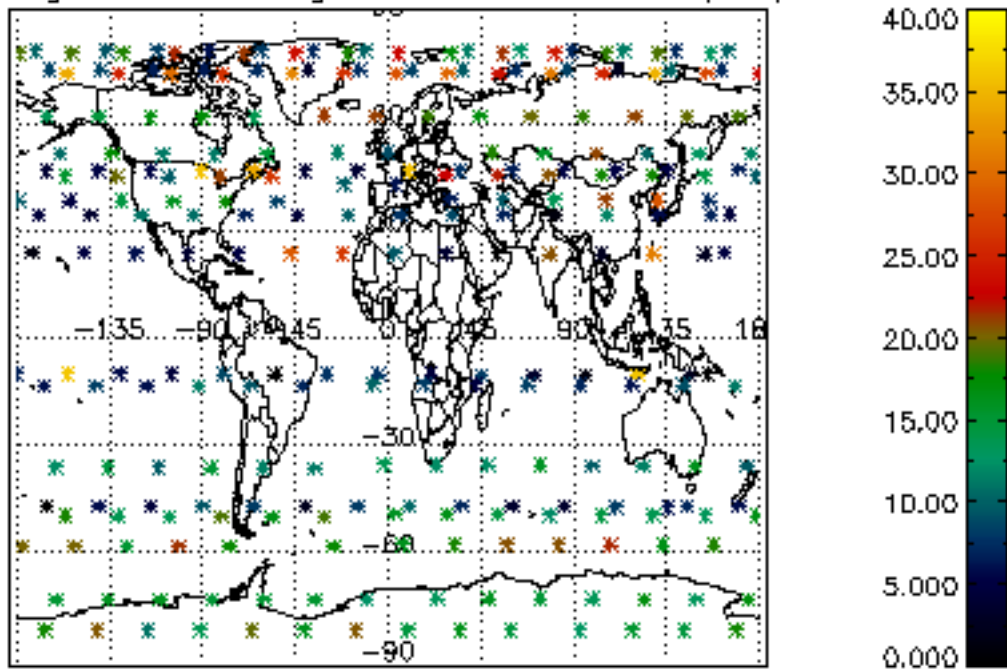
Percentage of cosmic ray hits per profile



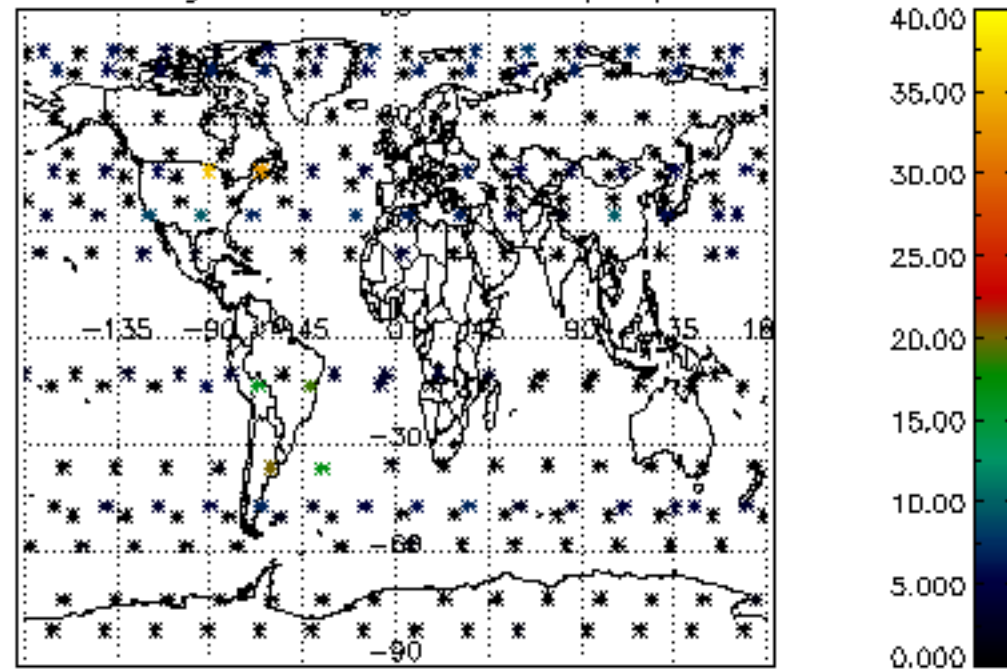
Percentage of datation errors per profile



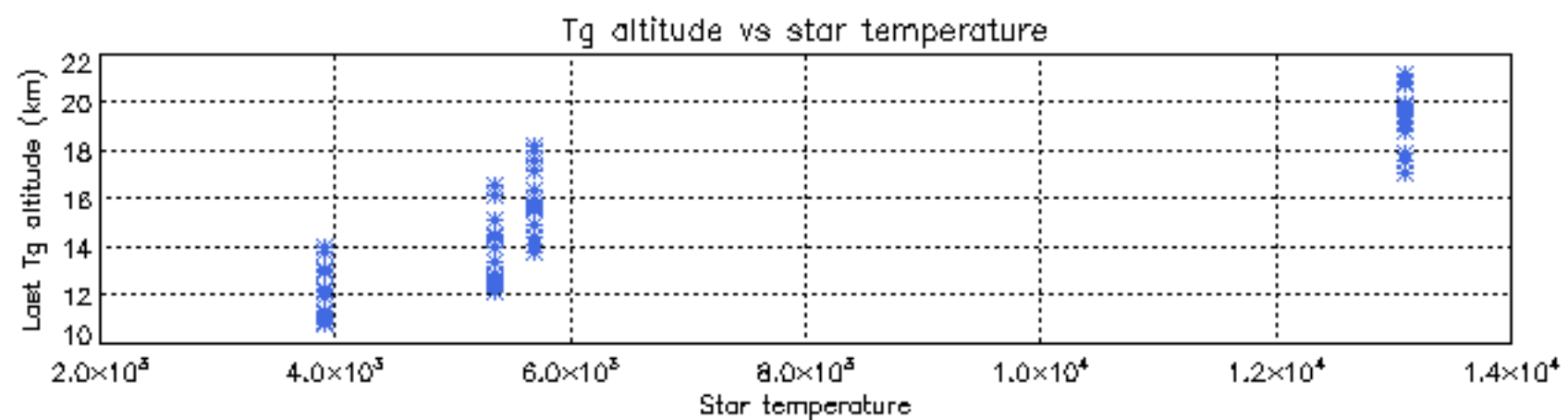
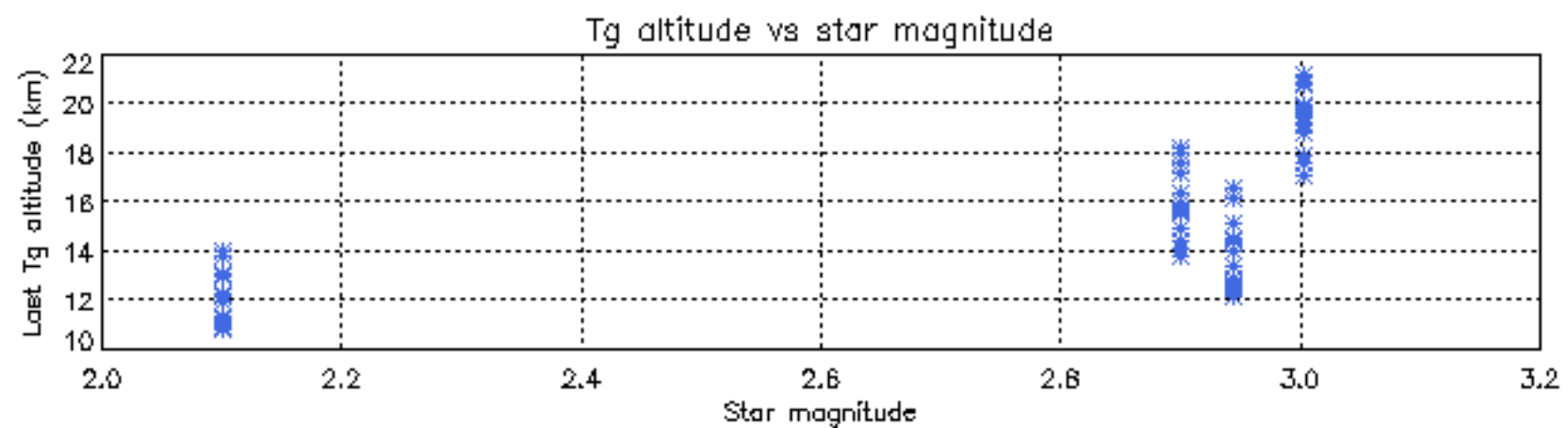
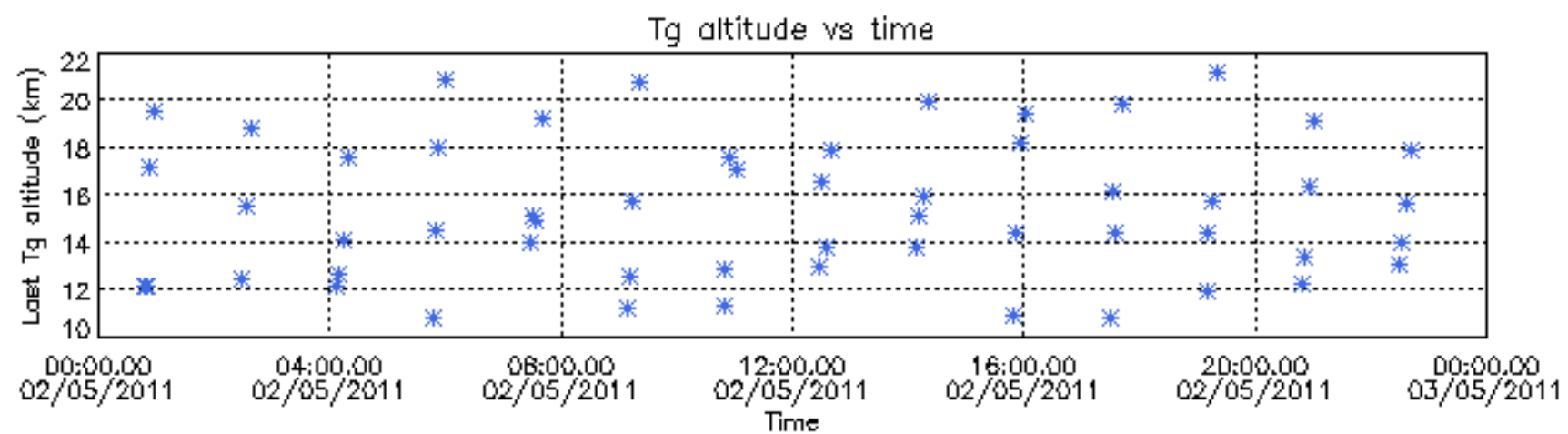
Percentage of star falling outside central band per profile



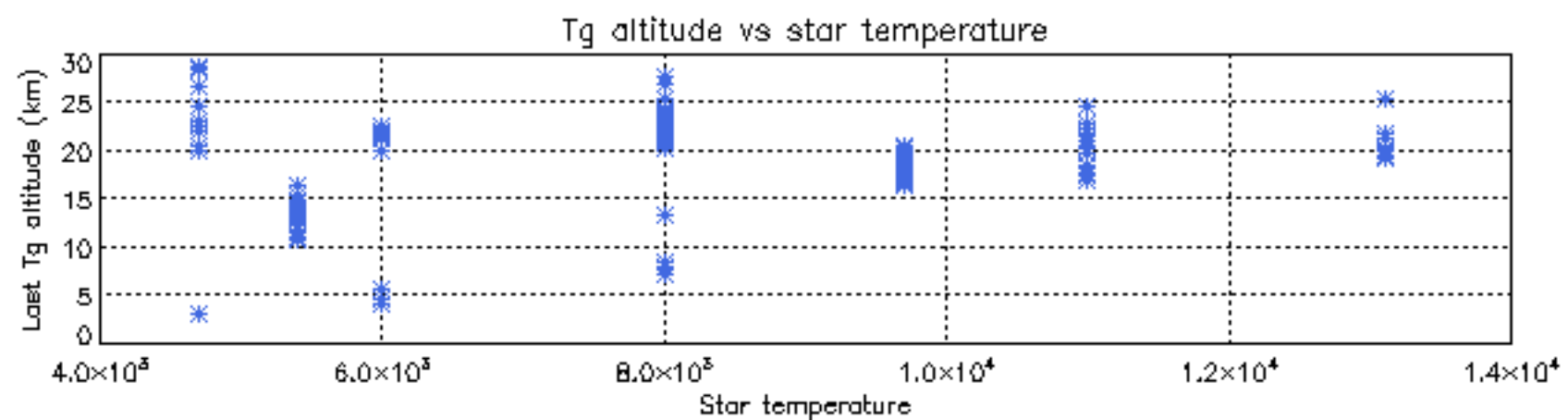
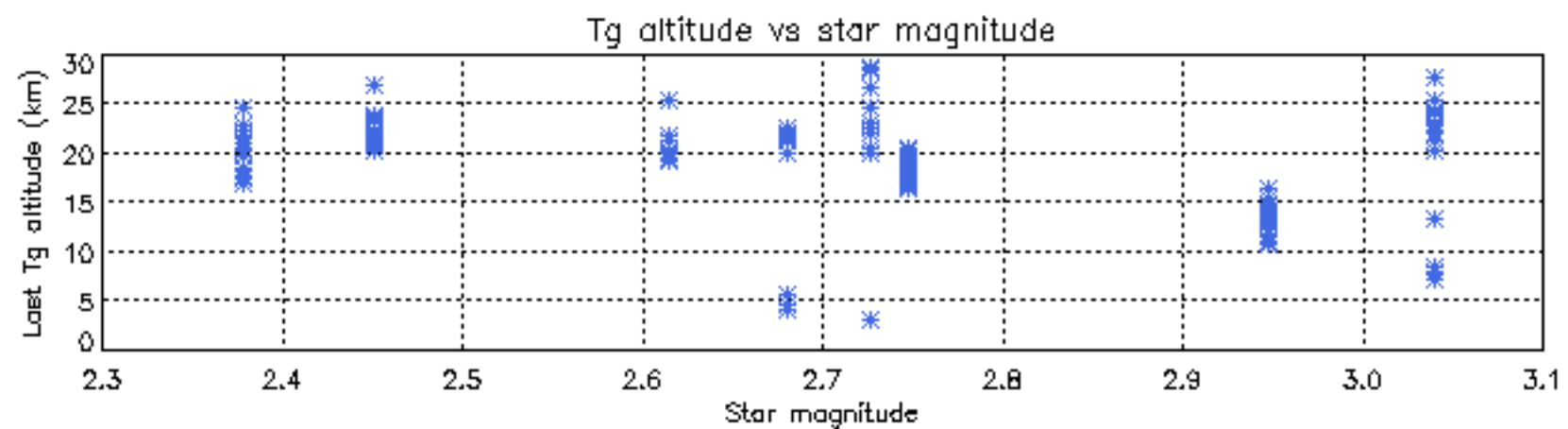
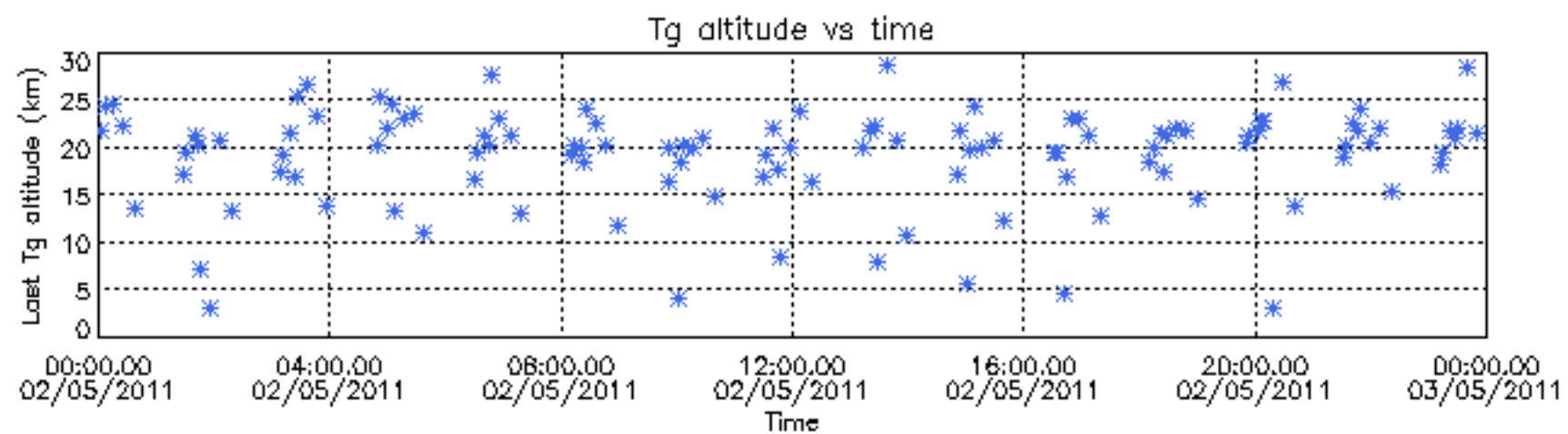
Percentage of saturation errors per profile



Tangent altitude at which the star is lost

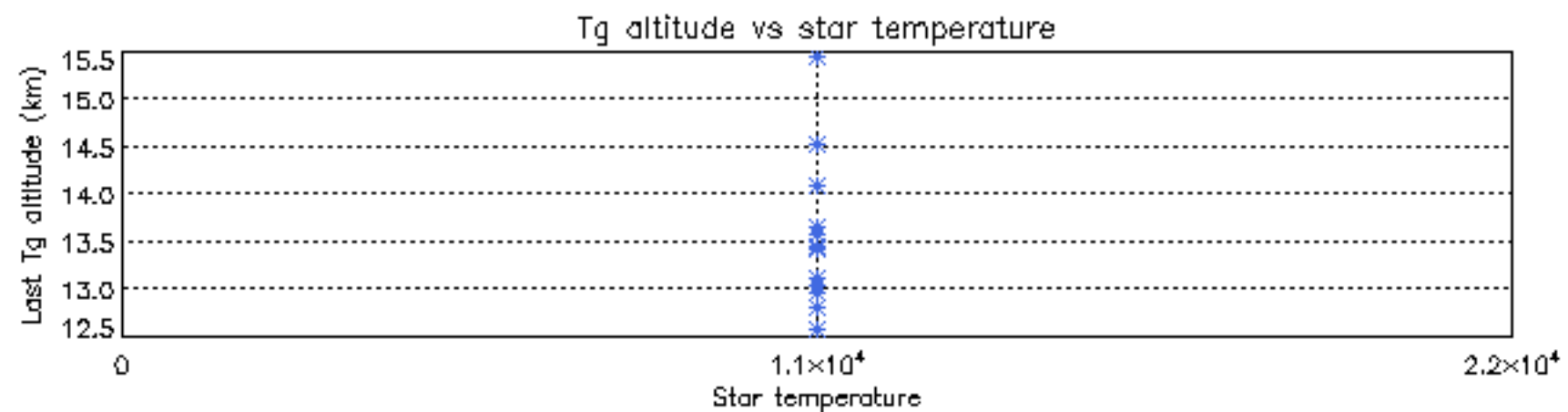
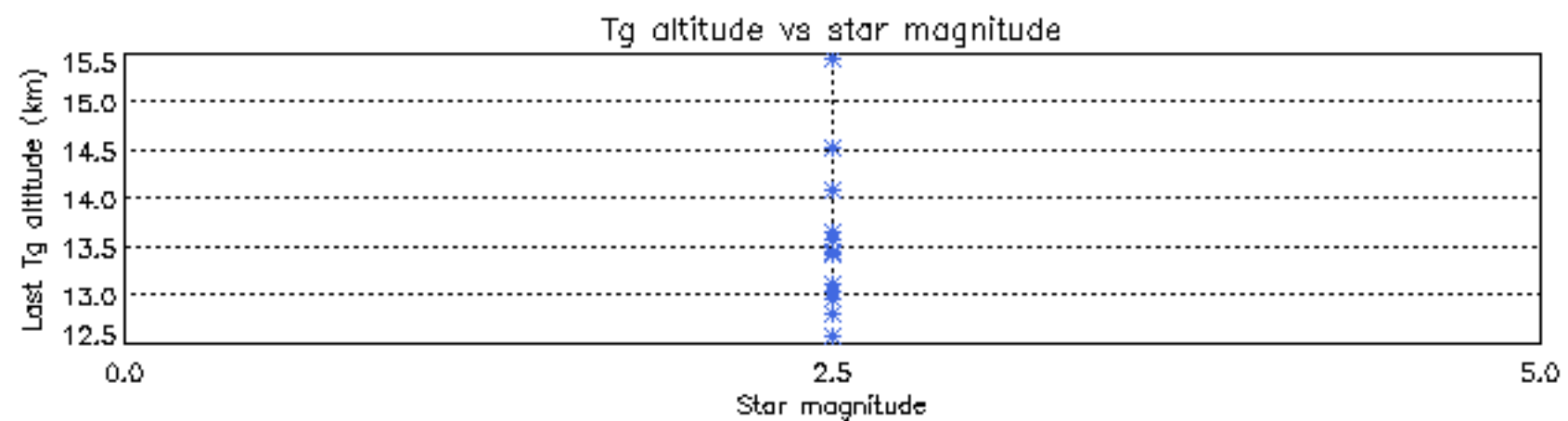
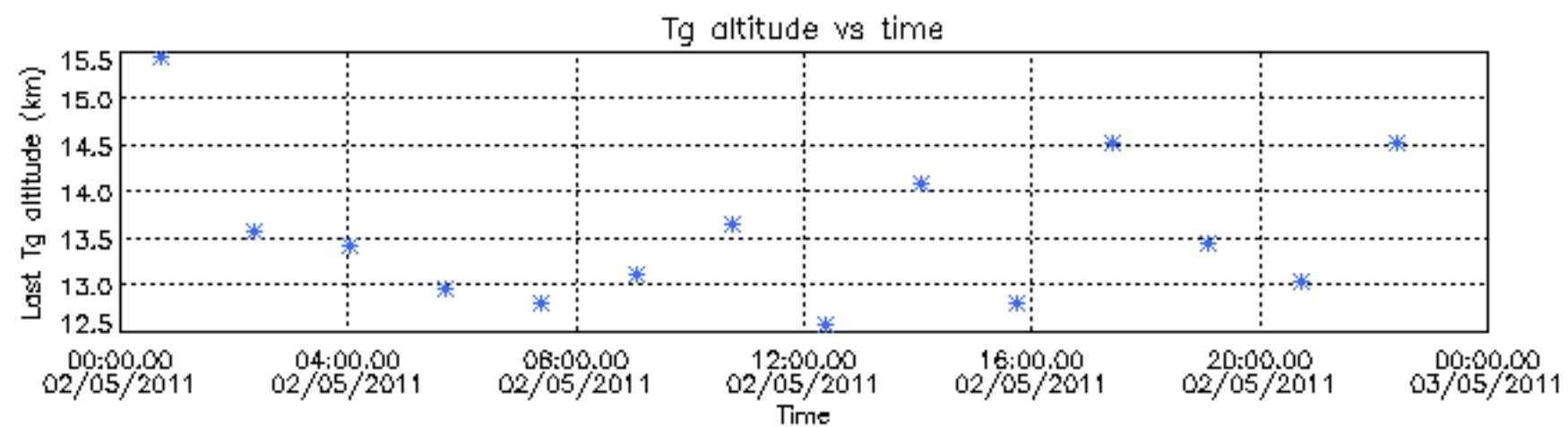


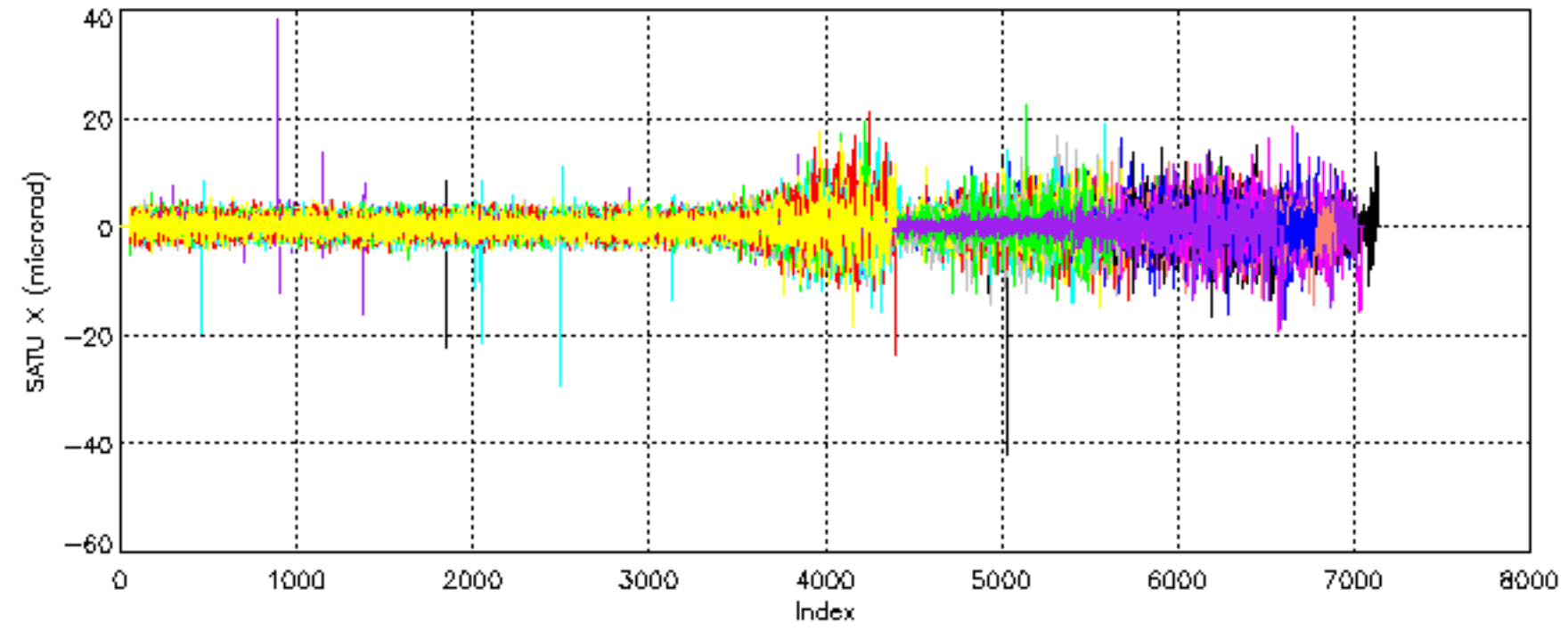
Tangent altitude at which the star is lost

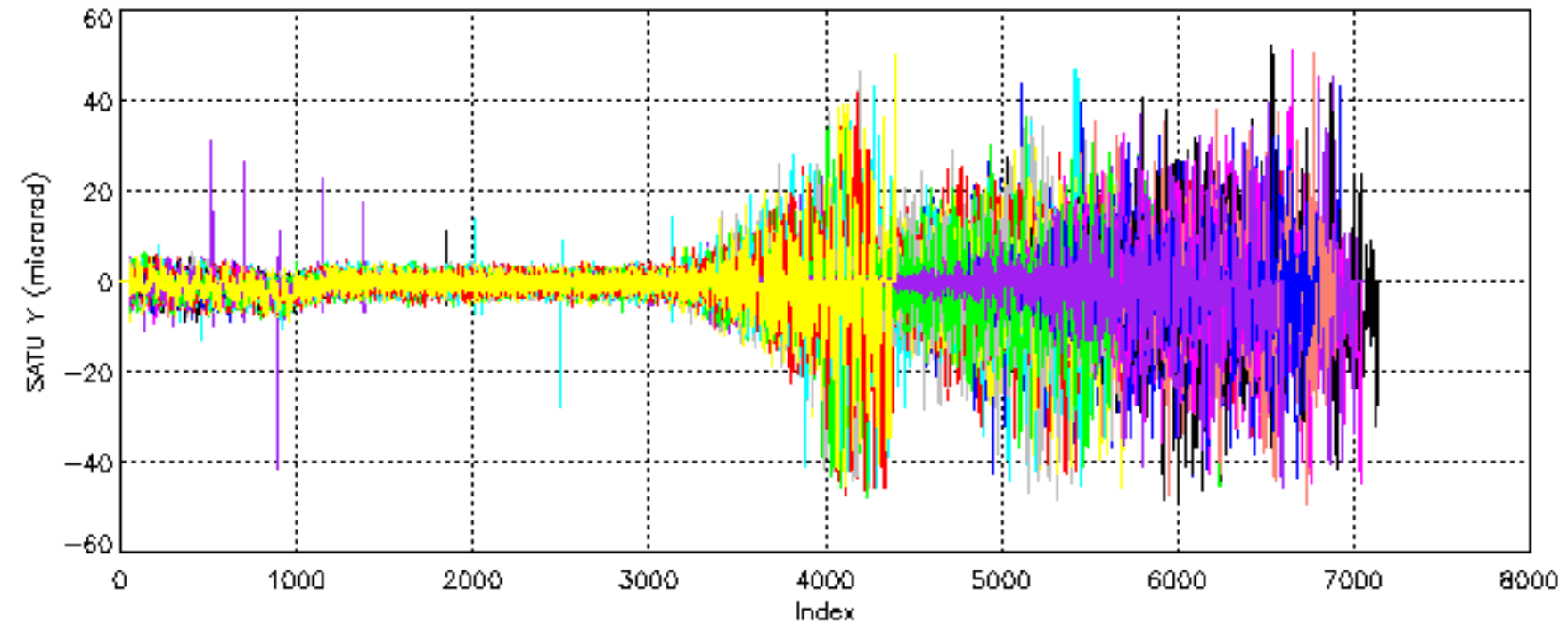


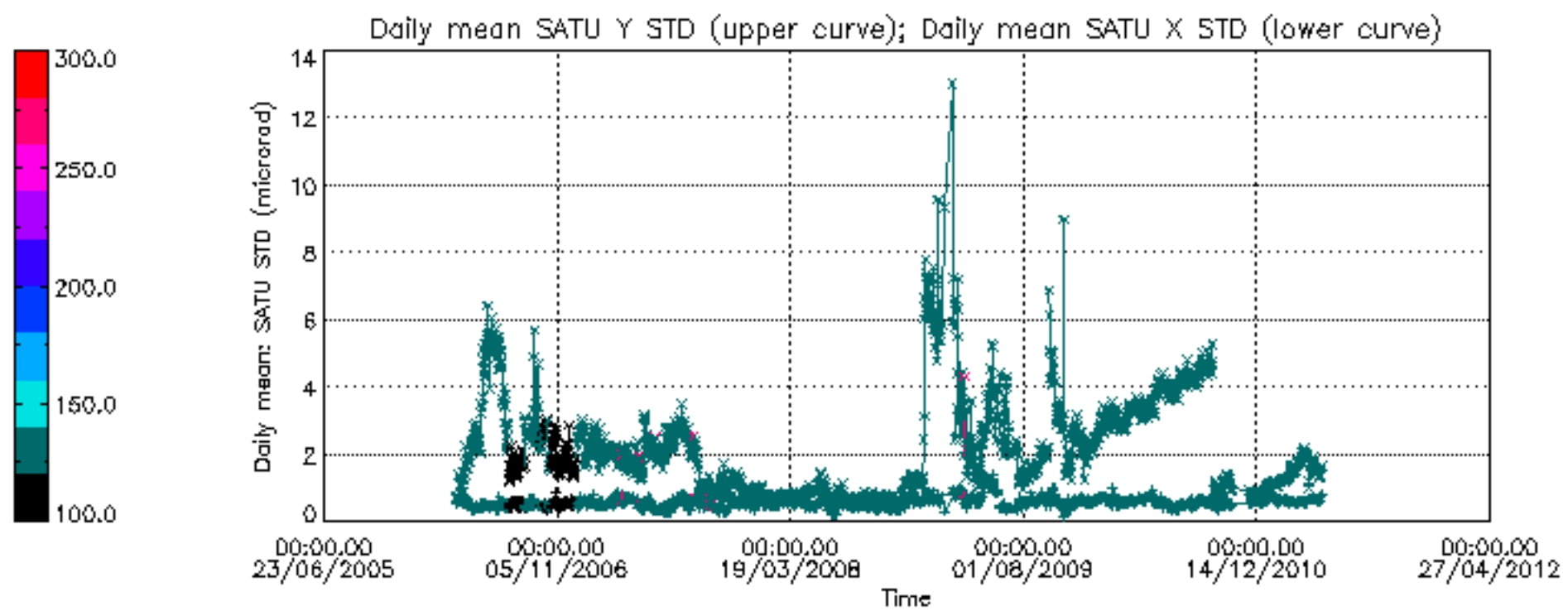


Tangent altitude at which the star is lost











```

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 3; -57.9; 11-MAY-2011 00:31:16; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;48076
 4; 276.6; 11-MAY-2011 00:36:50; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48077
 5; 717.5; 11-MAY-2011 00:44:11; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;48077
 6; 860.3; 11-MAY-2011 00:46:34; Dark ; 55.0; 40; The Sco ; 1.86; 7100;occ; 110; 0;48077
 7; 970.8; 11-MAY-2011 00:48:24; Dark ; 57.5; 25; 35Lam Sco ; 1.62; 28000;occ; 115; 0;48077
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12; 1713.5; 11-MAY-2011 01:00:47; Bright; 40.5; 104; 27Bet Lib ; 2.61; 13100;occ; 81; 0;48077
13; 2053.5; 11-MAY-2011 01:06:27; Bright; 48.5; 102; 24Alp Ser ; 2.60; 4250;occ; 97; 0;48077
14; 2224.0; 11-MAY-2011 01:09:18; Bright; 38.0; 3; 16Alp Boo ;-0.05; 4250;occ; 76; 0;48077
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16; 2568.3; 11-MAY-2011 01:15:02; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;48077
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21; 4723.8; 11-MAY-2011 01:50:57; Dark ; 41.0; 140; 88Gam Peg ; 2.83; 26000;occ; 82; 0;48077
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 8; -137.2; 11-MAY-2011 03:50:24; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;48078
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10; 278.4; 11-MAY-2011 03:57:20; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48079
11; 718.9; 11-MAY-2011 04:04:40; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;48079
12; 861.7; 11-MAY-2011 04:07:03; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;48079
13; 972.5; 11-MAY-2011 04:08:54; Dark ; 55.5; 25; 35Lam Sco ; 1.62; 28000;occ; 111; 0;48079
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13; 1829.2; 21-MAY-2011 21:39:06; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;48233  
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16; 2598.9; 21-MAY-2011 21:51:55; Bright; 47.5; 133; 40Zet Her ; 2.81; 6000;occ; 95; 0;48233  
17; 3034.2; 21-MAY-2011 21:59:10; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;48233  
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22; 4771.0; 21-MAY-2011 22:28:07; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;48233  
23; 4894.1; 21-MAY-2011 22:30:10; Dark ; 60.0; 90; 54Alp Peg ; 2.49; 11000;occ; 120; 0;48233

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4; 386.7; 21-MAY-2011 22:55:17; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48234

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6; 959.7; 21-MAY-2011 23:04:50; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;48234  
7; 1070.4; 21-MAY-2011 23:06:41; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;48234  
8; 1194.5; 21-MAY-2011 23:08:45; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;48234  
9; 1366.9; 21-MAY-2011 23:11:37; Dark ; 54.5; 16; 21Alp Sco ; 1.02; 3000;occ; 109; 0;48234  
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11; 1566.3; 21-MAY-2011 23:14:57; Bright; 53.0; 86; 35Eta Oph ; 2.43; 10200;occ; 106; 0;48234  
12; 1688.8; 21-MAY-2011 23:16:59; Bright; 48.5; 98; 13Zet Oph ; 2.57; 30000;occ; 97; 0;48234  
13; 1829.1; 21-MAY-2011 23:19:19; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;48234  
14; 2013.7; 21-MAY-2011 23:22:24; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;48234  
15; 2382.2; 21-MAY-2011 23:28:32; Bright; 40.0; 67; 5Alp CrB ; 2.22; 11000;occ; 80; 0;48234  
16; 2598.1; 21-MAY-2011 23:32:08; Bright; 52.5; 133; 40Zet Her ; 2.81; 6000;occ; 105; 0;48234  
17; 3033.6; 21-MAY-2011 23:39:24; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;48234  
18; 3133.1; 21-MAY-2011 23:41:03; Bright; 47.0; 69; 33Gam Dra ; 2.23; 3800;occ; 94; 0;48234  
19; 3682.8; 21-MAY-2011 23:50:13; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48234  
20; 3933.3; 21-MAY-2011 23:54:23; Bright; 38.0; 74; 11Bet Cas ; 2.27; 6600;occ; 76; 0;48234  
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22; 4771.3; 22-MAY-2011 00:08:22; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;48234  
23; 4895.0; 22-MAY-2011 00:10:25; Dark ; 61.0; 90; 54Alp Peg ; 2.49; 11000;occ; 122; 0;48234

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3; 1366.4; 21-MAY-2011 18:10:55; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;48231  
4; 1461.9; 21-MAY-2011 18:12:30; Bright; 44.5; 80; 7Del Sco ; 2.32; 30000;occ; 89; 0;48231  
5; 1566.3; 21-MAY-2011 18:14:15; Bright; 54.5; 86; 35Eta Oph ; 2.43; 10200;occ; 109; 0;48231  
6; 1689.1; 21-MAY-2011 18:16:17; Bright; 48.5; 98; 13Zet Oph ; 2.57; 30000;occ; 97; 0;48231  
7; 1829.6; 21-MAY-2011 18:18:38; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;48231  
8; 2014.4; 21-MAY-2011 18:21:43; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;48231  
9; 2383.3; 21-MAY-2011 18:27:52; Bright; 39.5; 67; 5Alp CrB ; 2.22; 11000;occ; 79; 0;48231  
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11; 3035.2; 21-MAY-2011 18:38:44; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;48231  
12; 3136.2; 21-MAY-2011 18:40:24; Bright; 55.0; 69; 33Gam Dra ; 2.23; 3800;occ; 110; 0;48231  
13; 3684.4; 21-MAY-2011 18:49:33; Bright; 53.5; 89; 5Alp Cep ; 2.45; 8000;occ; 107; 0;48231  
14; 3933.7; 21-MAY-2011 18:53:42; Bright; 36.0; 74; 11Bet Cas ; 2.27; 6600;occ; 72; 0;48231  
15; 4507.6; 21-MAY-2011 19:03:16; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;48231  
16; 4770.4; 21-MAY-2011 19:07:39; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;48231  
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21; 6399.4; 21-MAY-2011 19:34:48; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;48232  
22; 6876.9; 21-MAY-2011 19:42:45; Dark ; 41.0; 147; Alp Ara ; 2.88; 26000;occ; 82; 0;48232  
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4; 387.3; 22-MAY-2011 00:35:31; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48235  
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6; 960.5; 22-MAY-2011 00:45:05; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;48235  
7; 1070.8; 22-MAY-2011 00:46:55; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;48235  
8; 1194.7; 22-MAY-2011 00:48:59; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;48235  
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10; 865.4; 22-MAY-2011 04:03:57; Dark ; 43.0; 147; Alp Ara ; 2.88; 26000;occ; 86; 0;48237
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13; 1195.8; 22-MAY-2011 04:09:28; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;48237
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 5; 1370.5; 22-MAY-2011 20:54:43; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;48247  
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 7; 1567.6; 22-MAY-2011 20:58:00; Bright; 53.0; 86; 35Eta Oph ; 2.43; 10200;occ; 106; 0;48247  
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 10; 2011.8; 22-MAY-2011 21:05:24; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;48247  
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 5; 870.9; 22-MAY-2011 22:26:37; Dark ; 40.5; 147; Alp Ara ; 2.88; 26000;occ; 81; 0;48248  
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 7; 1078.2; 23-MAY-2011 00:10:18; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;48249  
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12; 2986.4; 31-MAY-2011 19:11:28; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;48375
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