

GOMOS Daily Report 17-MAY-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	20MAY2011 07:05:56
Data source version	GOMOS/5.01
Start time of products	17MAY2011 00:06:36
Stop time of products	17MAY2011 23:58:04
Store outputs in DB	Yes
Nb of level 1b prods	330
Nb of prods with errors	2

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

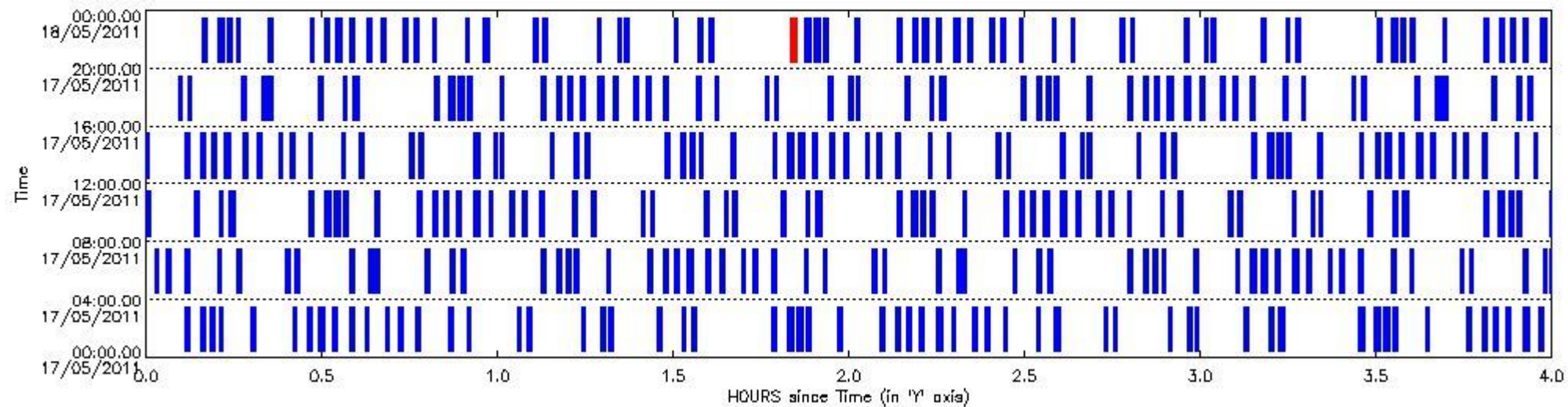
2.1 Level 0 products arrived in PCF (see template [here](#))

2.2 Plot of mission plan versus Level 0 production arrived in PCF during reporting period

Red segments are missing products.

Blue segments are available products.

Green segments are calibration measurements (not available products to users).



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

UTC start time	Star name	Star ID	Orbit
17-MAY-2011 21:49:54	24AlpPsA	18	48175

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_1PNPDE20110517_000636_000000493102_00303_48162_6592.N1	17-MAY-2011 00:06:36	Dark	49.000	18	24Alp PsA	1.1660	9700.0	98	48162	No
2	GOM_TRA_1PNPDE20110517_001052_000000463102_00303_48162_6593.N1	17-MAY-2011 00:10:52	Dark	45.500	63	Bet Gru	2.1500	2800.0	91	48162	No
3	GOM_TRA_1PNPDE20110517_001223_000000443102_00303_48162_6594.N1	17-MAY-2011 00:12:23	Dark	43.500	31	Alp Gru	1.7340	15200.	87	48162	No
4	GOM_TRA_1PNPDE20110517_001754_000000433102_00304_48163_6595.N1	17-MAY-2011 00:17:54	Dark	42.500	45	Alp Pav	1.9400	26000.	85	48163	No
5	GOM_TRA_1PNPDE20110517_002459_000000443102_00304_48163_6596.N1	17-MAY-2011 00:24:59	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	48163	No
6	GOM_TRA_1PNPDE20110517_002735_000000473102_00304_48163_6597.N1	17-MAY-2011 00:27:35	Straylight	46.500	40	The Sco	1.8590	7100.0	93	48163	No
7	GOM_TRA_1PNPDE20110517_002926_000000553102_00304_48163_6598.N1	17-MAY-2011 00:29:26	Straylight	55.000	25	35Lam Sco	1.6200	28000.	110	48163	No
8	GOM_TRA_1PNPDE20110517_003142_000000503102_00304_48163_6599.N1	17-MAY-2011 00:31:42	Twilight_stray	50.000	75	26Eps Sco	2.2910	4250.0	100	48163	No
9	GOM_TRA_1PNPDE20110517_003444_000000523102_00304_48163_6600.N1	17-MAY-2011 00:34:44	Twilight_stray	51.500	16	21Alp Sco	1.0200	3000.0	103	48163	No
10	GOM_TRA_1PNPDE20110517_003717_000000453102_00304_48163_6601.N1	17-MAY-2011 00:37:17	Bright	44.500	97	8Bet1Sco	2.5610	30000.	89	48163	No

11	GOM_TRA_1PNPDE20110517_004054_000000393102_00304_48163_6602.N1	17-MAY-2011 00:40:54	Bright	39.000	104	27Bet Lib	2.6140	13100.	78	48163	No
12	GOM_TRA_1PNPDE20110517_004256_000000493102_00304_48163_6603.N1	17-MAY-2011 00:42:56	Bright	48.500	120	1Del Oph	2.7340	3200.0	97	48163	No
13	GOM_TRA_1PNPDE20110517_004605_000000433102_00304_48163_6604.N1	17-MAY-2011 00:46:05	Bright	43.000	102	24Alp Ser	2.6000	4250.0	86	48163	No
14	GOM_TRA_1PNPDE20110517_005142_000000403102_00304_48163_6605.N1	17-MAY-2011 00:51:42	Bright	39.500	83		2.3780	11000.	79	48163	No
15	GOM_TRA_1PNPDE20110517_005450_000000353102_00304_48163_6606.N1	17-MAY-2011 00:54:50	Bright	35.000	180	27Gam Boo	3.0400	8000.0	70	48163	No
16	GOM_TRA_1PNPDE20110517_010321_000000423102_00304_48163_6607.N1	17-MAY-2011 01:03:21	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	48163	No
17	GOM_TRA_1PNPDE20110517_010500_000000403102_00304_48163_6608.N1	17-MAY-2011 01:05:00	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	48163	No
18	GOM_TRA_1PNPDE20110517_011414_000000453102_00304_48163_6609.N1	17-MAY-2011 01:14:14	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	48163	No
19	GOM_TRA_1PNPDE20110517_011735_000000533102_00304_48163_6610.N1	17-MAY-2011 01:17:35	Bright	53.000	76	27Gam Cas	2.3000	30000.	106	48163	No
20	GOM_TRA_1PNPDE20110517_011848_000000543102_00304_48163_6611.N1	17-MAY-2011 01:18:48	Bright	54.000	68	18Alp Cas	2.2250	4500.0	108	48163	No
21	GOM_TRA_1PNPDE20110517_012713_000000463102_00304_48163_6612.N1	17-MAY-2011 01:27:13	Bright	46.000	58	21Alp And	2.0730	11000.	92	48163	No
22	GOM_TRA_1PNPDE20110517_013125_000000423102_00304_48163_6613.N1	17-MAY-2011 01:31:25	Twilight	41.500	140	88Gam Peg	2.8340	26000.	83	48163	No
23	GOM_TRA_1PNPDE20110517_013307_000000563102_00304_48163_6614.N1	17-MAY-2011 01:33:07	Dark	55.500	90	54Alp Peg	2.4870	11000.	111	48163	No
24	GOM_TRA_1PNPDE20110517_014650_000000513102_00304_48163_6611.N1	17-MAY-2011 01:46:50	Dark	51.000	18	24Alp PsA	1.1660	9700.0	102	48163	No
25	GOM_TRA_1PNPDE20110517_015106_000000563102_00304_48163_6612.N1	17-MAY-2011 01:51:06	Dark	55.500	63	Bet Gru	2.1500	2800.0	111	48163	No
26	GOM_TRA_1PNPDE20110517_015237_000000453102_00304_48163_6613.N1	17-MAY-2011 01:52:37	Dark	45.000	31	Alp Gru	1.7340	15200.	90	48163	No
27	GOM_TRA_1PNPDE20110517_015808_000000433102_00305_48164_6614.N1	17-MAY-2011 01:58:08	Dark	42.500	45	Alp Pav	1.9400	26000.	85	48164	No
28	GOM_TRA_1PNPDE20110517_020514_000000483102_00305_48164_6615.N1	17-MAY-2011 02:05:14	Straylight	47.500	141	Bet Ara	2.8400	4600.0	95	48164	No
29	GOM_TRA_1PNPDE20110517_020749_000000543102_00305_48164_6616.N1	17-MAY-2011 02:07:49	Straylight	53.500	40	The Sco	1.8590	7100.0	107	48164	No
30	GOM_TRA_1PNPDE20110517_020941_000000543102_00305_48164_6617.N1	17-MAY-2011 02:09:41	Straylight	53.500	25	35Lam Sco	1.6200	28000.	107	48164	No
31	GOM_TRA_1PNPDE20110517_021157_000000503102_00305_48164_6618.N1	17-MAY-2011 02:11:57	Twilight	50.000	75	26Eps Sco	2.2910	4250.0	100	48164	No
32	GOM_TRA_1PNPDE20110517_021458_000000613102_00305_48164_6619.N1	17-MAY-2011 02:14:58	Twilight	60.500	16	21Alp Sco	1.0200	3000.0	121	48164	No
33	GOM_TRA_1PNPDE20110517_021731_000000453102_00305_48164_6620.N1	17-MAY-2011 02:17:31	Bright	44.500	97	8Bet1Sco	2.5610	30000.	89	48164	No
34	GOM_TRA_1PNPDE20110517_022108_000000393102_00305_48164_6621.N1	17-MAY-2011 02:21:08	Bright	39.000	104	27Bet Lib	2.6140	13100.	78	48164	No
35	GOM_TRA_1PNPDE20110517_022310_000000493102_00305_48164_6622.N1	17-MAY-2011 02:23:10	Bright	48.500	120	1Del Oph	2.7340	3200.0	97	48164	No
36	GOM_TRA_1PNPDE20110517_022619_000000443102_00305_48164_6623.N1	17-MAY-2011 02:26:19	Bright	43.500	102	24Alp Ser	2.6000	4250.0	87	48164	No
37	GOM_TRA_1PNPDE20110517_023155_000000393102_00305_48164_6624.N1	17-MAY-2011 02:31:55	Bright	39.000	83		2.3780	11000.	78	48164	No
38	GOM_TRA_1PNPDE20110517_023503_000000543102_00305_48164_6625.N1	17-MAY-2011 02:35:03	Bright	54.000	180	27Gam Boo	3.0400	8000.0	108	48164	No
39	GOM_TRA_1PNPDE20110517_024334_000000393102_00305_48164_6626.N1	17-MAY-2011 02:43:34	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	48164	No
40	GOM_TRA_1PNPDE20110517_024514_000000353102_00305_48164_6627.N1	17-MAY-2011 02:45:14	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	48164	No
41	GOM_TRA_1PNPDE20110517_025428_000000453102_00305_48164_6642.N1	17-MAY-2011 02:54:28	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	48164	No
42	GOM_TRA_1PNPDE20110517_025749_000000533102_00305_48164_6643.N1	17-MAY-2011 02:57:49	Bright	53.000	76	27Gam Cas	2.3000	30000.	106	48164	No
43	GOM_TRA_1PNPDE20110517_025902_000000353102_00305_48164_6644.N1	17-MAY-2011 02:59:02	Bright	35.000	68	18Alp Cas	2.2250	4500.0	70	48164	No
44	GOM_TRA_1PNPDE20110517_030727_000000443102_00305_48164_6645.N1	17-MAY-2011 03:07:27	Bright	44.000	58	21Alp And	2.0730	11000.	88	48164	No
45	GOM_TRA_1PNPDE20110517_031139_000000433102_00305_48164_6646.N1	17-MAY-2011 03:11:39	Twilight	43.000	140	88Gam Peg	2.8340	26000.	86	48164	No
46	GOM_TRA_1PNPDE20110517_031322_000000553102_00305_48164_6647.N1	17-MAY-2011 03:13:22	Dark	55.000	90	54Alp Peg	2.4870	11000.	110	48164	No
47	GOM_TRA_1PNPDE20110517_032705_000000533102_00305_48164_6648.N1	17-MAY-2011 03:27:05	Dark	53.000	18	24Alp PsA	1.1660	9700.0	106	48164	No
48	GOM_TRA_1PNPDE20110517_033122_000000553102_00305_48164_6649.N1	17-MAY-2011 03:31:22	Dark	54.500	63	Bet Gru	2.1500	2800.0	109	48164	No
49	GOM_TRA_1PNPDE20110517_033252_000000453102_00306_48165_6650.N1	17-MAY-2011 03:32:52	Dark	44.500	31	Alp Gru	1.7340	15200.	89	48165	No
50	GOM_TRA_1PNPDE20110517_033823_000000413102_00306_48165_6651.N1	17-MAY-2011 03:38:23	Dark	41.000	45	Alp Pav	1.9400	26000.	82	48165	No
51	GOM_TRA_1PNPDE20110517_034528_000000513102_00306_48165_6652.N1	17-MAY-2011 03:45:28	Straylight	51.000	141	Bet Ara	2.8400	4600.0	102	48165	No
52	GOM_TRA_1PNPDE20110517_034804_000000523102_00306_48165_6653.N1	17-MAY-2011 03:48:04	Straylight	51.500	40	The Sco	1.8590	7100.0	103	48165	No
53	GOM_TRA_1PNPDE20110517_034956_000000523102_00306_48165_6654.N1	17-MAY-2011 03:49:56	Straylight	52.000	25	35Lam Sco	1.6200	28000.	104	48165	No
54	GOM_TRA_1PNPDE20110517_035211_000000533102_00306_48165_6655.N1	17-MAY-2011 03:52:11	Twilight	53.000	75	26Eps Sco	2.2910	4250.0	106	48165	No
55	GOM_TRA_1PNPDE20110517_035513_000000643102_00306_48165_6656.N1	17-MAY-2011 03:55:13	Twilight	64.000	16	21Alp Sco	1.0200	3000.0	128	48165	No
56	GOM_TRA_1PNPDE20110517_035745_000000473102_00306_48165_6657.N1	17-MAY-2011 03:57:45	Bright	46.500	97	8Bet1Sco	2.5610	30000.	93	48165	No
57	GOM_TRA_1PNPDE20110517_040122_000000403102_00306_48165_6658.N1	17-MAY-2011 04:01:22	Bright	40.000	104	27Bet Lib	2.6140	13100.	80	48165	No
58	GOM_TRA_1PNPDE20110517_040324_000000493102_00306_48165_6659.N1	17-MAY-2011 04:03:24	Bright	49.000	120	1Del Oph	2.7340	3200.0	98	48165	No
59	GOM_TRA_1PNPDE20110517_040632_000000443102_00306_48165_6660.N1	17-MAY-2011 04:06:32	Bright	43.500	102	24Alp Ser	2.6000	4250.0	87	48165	No
60	GOM_TRA_1PNPDE20110517_041209_000000393102_00306_48165_6661.N1	17-MAY-2011 04:12:09	Bright	38.500	83		2.3780	11000.	77	48165	No
61	GOM_TRA_1PNPDE20110517_041517_000000543102_00306_48165_6662.N1	17-MAY-2011 04:15:17	Bright	53.500	180	27Gam Boo	3.0400	8000.0	107	48165	No
62	GOM_TRA_1PNPDE20110517_042348_000000423102_00306_48165_6663.N1	17-MAY-2011 04:23:48	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	48165	No
63	GOM_TRA_1PNPDE20110517_042528_000000383102_00306_48165_6664.N1	17-MAY-2011 04:25:28	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	48165	No
64	GOM_TRA_1PNPDE20110517_043441_000000463102_00306_48165_6662.N1	17-MAY-2011 04:34:41	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48165	No
65	GOM_TRA_1PNPDE20110517_043803_000000533102_00306_48165_6663.N1	17-MAY-2011 04:38:03	Bright	53.000	76	27Gam Cas	2.3000	30000.	106	48165	No
66	GOM_TRA_1PNPDE20110517_043916_000000353102_00306_48165_6664.N1	17-MAY-2011 04:39:16	Bright	35.000	68	18Alp Cas	2.2250	4500.0	70	48165	No
67	GOM_TRA_1PNPDE20110517_044742_000000443102_00306_48165_6665.N1	17-MAY-2011 04:47:42	Bright	44.000	58	21Alp And	2.0730	11000.	88	48165	No
68	GOM_TRA_1PNPDE20110517_045154_000000433102_00306_48165_6666.N1	17-MAY-2011 04:51:54	Twilight	42.500	140	88Gam Peg	2.8340	26000.	85	48165	No
69	GOM_TRA_1PNPDE20110517_045337_000000543102_00306_48165_6667.N1	17-MAY-2011 04:53:37	Dark	53.500	90	54Alp Peg	2.4870	11000.	107	48165	No

70	GOM_TRA_1PNPDE20110517_050720_000000493102_00306_48165_6668.N1	17-MAY-2011 05:07:20	Dark	49.000	18	24Alp PsA	1.1660	9700.0	98	48165	No
71	GOM_TRA_1PNPDE20110517_051136_000000473102_00306_48165_6669.N1	17-MAY-2011 05:11:36	Dark	46.500	63	Bet Gru	2.1500	2800.0	93	48165	No
72	GOM_TRA_1PNPDE20110517_051307_000000433102_00307_48166_6670.N1	17-MAY-2011 05:13:07	Dark	43.000	31	Alp Gru	1.7340	15200.	86	48166	No
73	GOM_TRA_1PNPDE20110517_051838_000000413102_00307_48166_6671.N1	17-MAY-2011 05:18:38	Dark	41.000	45	Alp Pav	1.9400	26000.	82	48166	No
74	GOM_TRA_1PNPDE20110517_052543_000000453102_00307_48166_6672.N1	17-MAY-2011 05:25:43	Straylight	44.500	141	Bet Ara	2.8400	4600.0	89	48166	No
75	GOM_TRA_1PNPDE20110517_052819_000000493102_00307_48166_6673.N1	17-MAY-2011 05:28:19	Straylight	48.500	40	The Sco	1.8590	7100.0	97	48166	No
76	GOM_TRA_1PNPDE20110517_053010_000000553102_00307_48166_6674.N1	17-MAY-2011 05:30:10	Straylight	54.500	25	35Lam Sco	1.6200	28000.	109	48166	No
77	GOM_TRA_1PNPDE20110517_053226_000000593102_00307_48166_6675.N1	17-MAY-2011 05:32:26	Tw_i_and_stray	59.000	75	26Eps Sco	2.2910	4250.0	118	48166	No
78	GOM_TRA_1PNPDE20110517_053527_000000583102_00307_48166_6676.N1	17-MAY-2011 05:35:27	Tw_i_and_stray	57.500	16	21Alp Sco	1.0200	3000.0	115	48166	No
79	GOM_TRA_1PNPDE20110517_053800_000000463102_00307_48166_6677.N1	17-MAY-2011 05:38:00	Bright	45.500	97	8Bet1Sco	2.5610	30000.	91	48166	No
80	GOM_TRA_1PNPDE20110517_054136_000000403102_00307_48166_6678.N1	17-MAY-2011 05:41:36	Bright	39.500	104	27Bet Lib	2.6140	13100.	79	48166	No
81	GOM_TRA_1PNPDE20110517_054338_000000483102_00307_48166_6679.N1	17-MAY-2011 05:43:38	Bright	48.000	120	1Del Oph	2.7340	3200.0	96	48166	No
82	GOM_TRA_1PNPDE20110517_054646_000000433102_00307_48166_6680.N1	17-MAY-2011 05:46:46	Bright	42.500	102	24Alp Ser	2.6000	4250.0	85	48166	No
83	GOM_TRA_1PNPDE20110517_055223_000000403102_00307_48166_6681.N1	17-MAY-2011 05:52:23	Bright	39.500	83		2.3780	11000.	79	48166	No
84	GOM_TRA_1PNPDE20110517_055531_000000373102_00307_48166_6682.N1	17-MAY-2011 05:55:31	Bright	37.000	180	27Gam Boo	3.0400	8000.0	74	48166	No
85	GOM_TRA_1PNPDE20110517_060402_000000413102_00307_48166_6683.N1	17-MAY-2011 06:04:02	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	48166	No
86	GOM_TRA_1PNPDE20110517_060542_000000383102_00307_48166_6684.N1	17-MAY-2011 06:05:42	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	48166	No
87	GOM_TRA_1PNPDK20110517_061455_000000453102_00307_48166_9004.N1	17-MAY-2011 06:14:55	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	48166	No
88	GOM_TRA_1PNPDK20110517_061818_000000483102_00307_48166_9005.N1	17-MAY-2011 06:18:18	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	48166	No
89	GOM_TRA_1PNPDK20110517_061930_000000353102_00307_48166_9006.N1	17-MAY-2011 06:19:30	Bright	35.000	68	18Alp Cas	2.2250	4500.0	70	48166	No
90	GOM_TRA_1PNPDK20110517_062756_000000453102_00307_48166_9007.N1	17-MAY-2011 06:27:56	Bright	45.000	58	21Alp And	2.0730	11000.	90	48166	No
91	GOM_TRA_1PNPDK20110517_063208_000000403102_00307_48166_9008.N1	17-MAY-2011 06:32:08	Twilight	40.000	140	88Gam Peg	2.8340	26000.	80	48166	No
92	GOM_TRA_1PNPDK20110517_063351_000000583102_00307_48166_9009.N1	17-MAY-2011 06:33:51	Dark	58.000	90	54Alp Peg	2.4870	11000.	116	48166	No
93	GOM_TRA_1PNPDK20110517_064735_000000513102_00307_48166_9010.N1	17-MAY-2011 06:47:35	Dark	50.500	18	24Alp PsA	1.1660	9700.0	101	48166	No
94	GOM_TRA_1PNPDK20110517_065151_000000573102_00307_48166_9011.N1	17-MAY-2011 06:51:51	Dark	57.000	63	Bet Gru	2.1500	2800.0	114	48166	No
95	GOM_TRA_1PNPDK20110517_065322_000000443102_00308_48167_9012.N1	17-MAY-2011 06:53:22	Dark	43.500	31	Alp Gru	1.7340	15200.	87	48167	No
96	GOM_TRA_1PNPDK20110517_065853_000000423102_00308_48167_9013.N1	17-MAY-2011 06:58:53	Dark	41.500	45	Alp Pav	1.9400	26000.	83	48167	No
97	GOM_TRA_1PNPDK20110517_070557_000000433102_00308_48167_9014.N1	17-MAY-2011 07:05:57	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	48167	No
98	GOM_TRA_1PNPDK20110517_070834_000000533102_00308_48167_9015.N1	17-MAY-2011 07:08:34	Straylight	53.000	40	The Sco	1.8590	7100.0	106	48167	No
99	GOM_TRA_1PNPDK20110517_071025_000000563102_00308_48167_9016.N1	17-MAY-2011 07:10:25	Straylight	55.500	25	35Lam Sco	1.6200	28000.	111	48167	No
100	GOM_TRA_1PNPDK20110517_071240_000000533102_00308_48167_9017.N1	17-MAY-2011 07:12:40	Tw_i_and_stray	52.500	75	26Eps Sco	2.2910	4250.0	105	48167	No
101	GOM_TRA_1PNPDK20110517_071541_000000643102_00308_48167_9018.N1	17-MAY-2011 07:15:41	Tw_i_and_stray	64.000	16	21Alp Sco	1.0200	3000.0	128	48167	No
102	GOM_TRA_1PNPDK20110517_071814_000000443102_00308_48167_9019.N1	17-MAY-2011 07:18:14	Bright	44.000	97	8Bet1Sco	2.5610	30000.	88	48167	No
103	GOM_TRA_1PNPDK20110517_072150_000000403102_00308_48167_9054.N1	17-MAY-2011 07:21:50	Bright	40.000	104	27Bet Lib	2.6140	13100.	80	48167	No
104	GOM_TRA_1PNPDK20110517_072351_000000483102_00308_48167_9055.N1	17-MAY-2011 07:23:51	Bright	48.000	120	1Del Oph	2.7340	3200.0	96	48167	No
105	GOM_TRA_1PNPDK20110517_072700_000000443102_00308_48167_9056.N1	17-MAY-2011 07:27:00	Bright	43.500	102	24Alp Ser	2.6000	4250.0	87	48167	No
106	GOM_TRA_1PNPDK20110517_073237_000000403102_00308_48167_9057.N1	17-MAY-2011 07:32:37	Bright	39.500	83		2.3780	11000.	79	48167	No
107	GOM_TRA_1PNPDK20110517_073545_000000363102_00308_48167_9058.N1	17-MAY-2011 07:35:45	Bright	36.000	180	27Gam Boo	3.0400	8000.0	72	48167	No
108	GOM_TRA_1PNPDK20110517_074415_000000443102_00308_48167_9059.N1	17-MAY-2011 07:44:15	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	48167	No
109	GOM_TRA_1PNPDK20110517_074556_000000383102_00308_48167_9060.N1	17-MAY-2011 07:45:56	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	48167	No
110	GOM_TRA_1PNPDK20110517_075509_000000463102_00308_48167_9061.N1	17-MAY-2011 07:55:09	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48167	No
111	GOM_TRA_1PNPDK20110517_075832_000000373102_00308_48167_9062.N1	17-MAY-2011 07:58:32	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	48167	No
112	GOM_TRA_1PNPDK20110517_075944_000000543102_00308_48167_9063.N1	17-MAY-2011 07:59:44	Bright	54.000	68	18Alp Cas	2.2250	4500.0	108	48167	No
113	GOM_TRA_1PNPDK20110517_080810_000000463102_00308_48167_9064.N1	17-MAY-2011 08:08:10	Bright	45.500	58	21Alp And	2.0730	11000.	91	48167	No
114	GOM_TRA_1PNPDK20110517_081223_000000423102_00308_48167_9065.N1	17-MAY-2011 08:12:23	Twilight	42.000	140	88Gam Peg	2.8340	26000.	84	48167	No
115	GOM_TRA_1PNPDK20110517_081406_000000573102_00308_48167_9066.N1	17-MAY-2011 08:14:06	Dark	56.500	90	54Alp Peg	2.4870	11000.	113	48167	No
116	GOM_TRA_1PNPDK20110517_082750_000000513102_00308_48167_9067.N1	17-MAY-2011 08:27:50	Dark	51.000	18	24Alp PsA	1.1660	9700.0	102	48167	No
117	GOM_TRA_1PNPDK20110517_083205_000000563102_00308_48167_9068.N1	17-MAY-2011 08:32:05	Dark	55.500	63	Bet Gru	2.1500	2800.0	111	48167	No
118	GOM_TRA_1PNPDK20110517_083337_000000443102_00309_48168_9069.N1	17-MAY-2011 08:33:37	Dark	43.500	31	Alp Gru	1.7340	15200.	87	48168	No
119	GOM_TRA_1PNPDK20110517_083907_000000423102_00309_48168_9070.N1	17-MAY-2011 08:39:07	Dark	41.500	45	Alp Pav	1.9400	26000.	83	48168	No
120	GOM_TRA_1PNPDK20110517_084612_000000463102_00309_48168_9071.N1	17-MAY-2011 08:46:12	Straylight	45.500	141	Bet Ara	2.8400	4600.0	91	48168	No
121	GOM_TRA_1PNPDK20110517_084848_000000533102_00309_48168_9072.N1	17-MAY-2011 08:48:48	Straylight	52.500	40	The Sco	1.8590	7100.0	105	48168	No
122	GOM_TRA_1PNPDK20110517_085039_000000523102_00309_48168_9073.N1	17-MAY-2011 08:50:39	Straylight	52.000	25	35Lam Sco	1.6200	28000.	104	48168	No
123	GOM_TRA_1PNPDK20110517_085254_000000533102_00309_48168_9074.N1	17-MAY-2011 08:52:54	Tw_i_and_stray	53.000	75	26Eps Sco	2.2910	4250.0	106	48168	No
124	GOM_TRA_1PNPDK20110517_085556_000000573102_00309_48168_9075.N1	17-MAY-2011 08:55:56	Tw_i_and_stray	57.000	16	21Alp Sco	1.0200	3000.0	114	48168	No
125	GOM_TRA_1PNPDK20110517_085828_000000453102_00309_48168_9076.N1	17-MAY-2011 08:58:28	Bright	45.000	97	8Bet1Sco	2.5610	30000.	90	48168	No
126	GOM_TRA_1PNPDK20110517_090204_000000403102_00309_48168_9077.N1	17-MAY-2011 09:02:04	Bright	39.500	104	27Bet Lib	2.6140	13100.	79	48168	No
127	GOM_TRA_1PNPDK20110517_090405_000000483102_00309_48168_9097.N1	17-MAY-2011 09:04:05	Bright	47.500	120	1Del Oph	2.7340	3200.0	95	48168	No
128	GOM_TRA_1PNPDK20110517_090714_000000433102_00309_48168_9098.N1	17-MAY-2011 09:07:14	Bright	43.000	102	24Alp Ser	2.6000	4250.0	86	48168	No

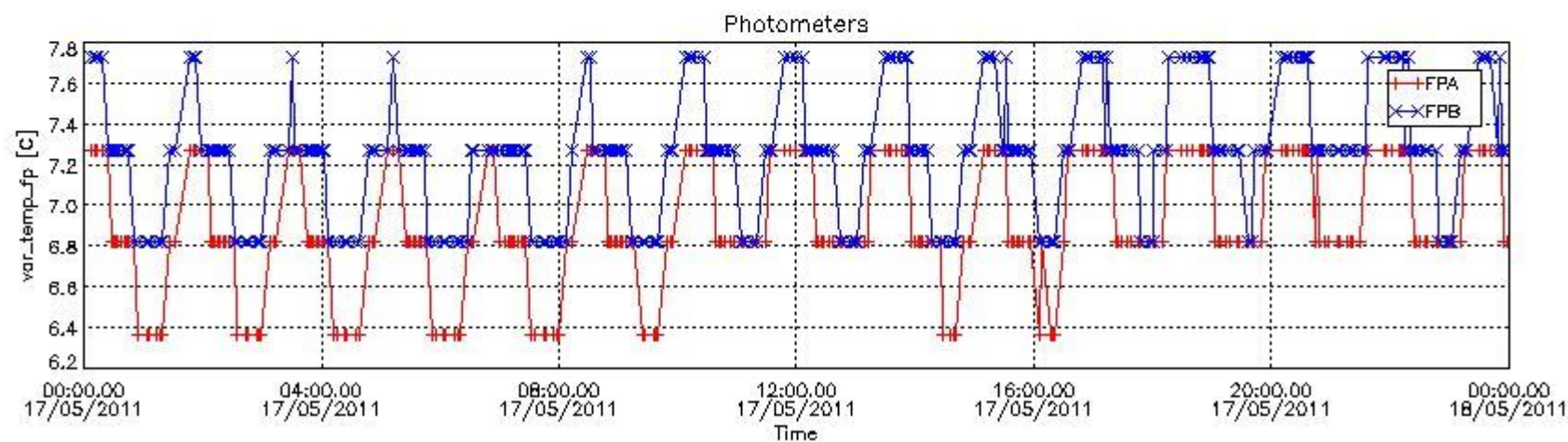
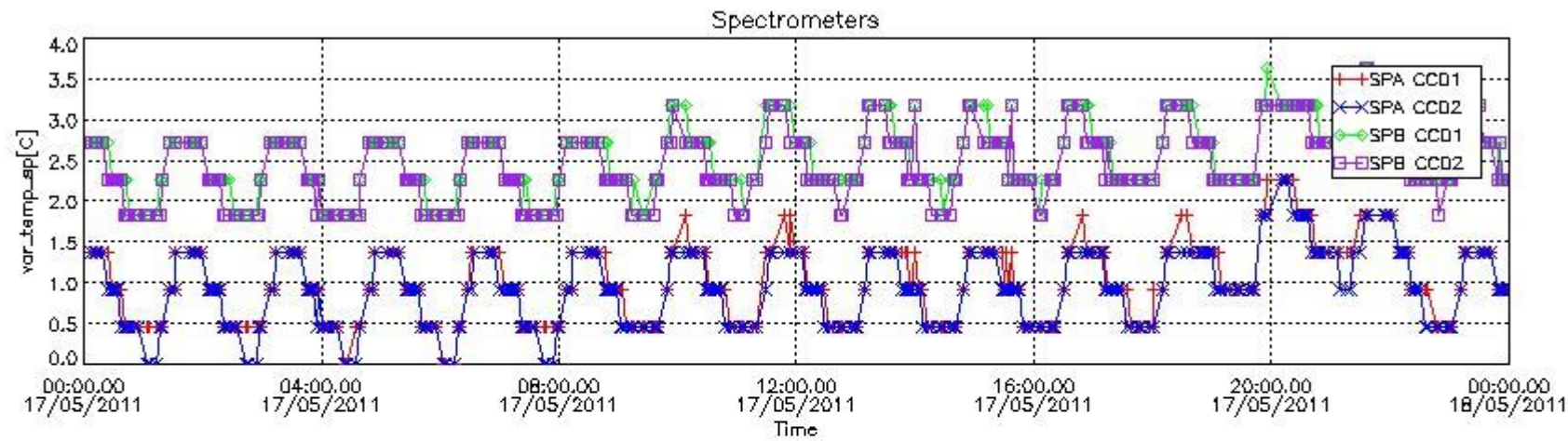
129	GOM_TRA_1PNPDK20110517_091251_000000393102_00309_48168_9099.N1	17-MAY-2011 09:12:51	Bright	39.000	83		2.3780	11000.	78	48168	No
130	GOM_TRA_1PNPDK20110517_091559_000000423102_00309_48168_9100.N1	17-MAY-2011 09:15:59	Bright	41.500	180	27Gam Boo	3.0400	8000.0	83	48168	No
131	GOM_TRA_1PNPDK20110517_092429_000000403102_00309_48168_9101.N1	17-MAY-2011 09:24:29	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	48168	No
132	GOM_TRA_1PNPDK20110517_092610_000000363102_00309_48168_9102.N1	17-MAY-2011 09:26:10	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	48168	No
133	GOM_TRA_1PNPDK20110517_093522_000000453102_00309_48168_9103.N1	17-MAY-2011 09:35:22	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	48168	No
134	GOM_TRA_1PNPDK20110517_093845_000000353102_00309_48168_9104.N1	17-MAY-2011 09:38:45	Bright	35.000	76	27Gam Cas	2.3000	30000.	70	48168	No
135	GOM_TRA_1PNPDK20110517_093958_000000543102_00309_48168_9105.N1	17-MAY-2011 09:39:58	Bright	54.000	68	18Alp Cas	2.2250	4500.0	108	48168	No
136	GOM_TRA_1PNPDK20110517_094824_000000473102_00309_48168_9106.N1	17-MAY-2011 09:48:24	Bright	46.500	58	21Alp And	2.0730	11000.	93	48168	No
137	GOM_TRA_1PNPDK20110517_095237_000000443102_00309_48168_9107.N1	17-MAY-2011 09:52:37	Twilight	44.000	140	88Gam Peg	2.8340	26000.	88	48168	No
138	GOM_TRA_1PNPDK20110517_095420_000000583102_00309_48168_9108.N1	17-MAY-2011 09:54:20	Dark	58.000	90	54Alp Peg	2.4870	11000.	116	48168	No
139	GOM_TRA_1PNPDK20110517_100805_000000533102_00309_48168_9109.N1	17-MAY-2011 10:08:05	Dark	53.000	18	24Alp PsA	1.1660	9700.0	106	48168	No
140	GOM_TRA_1PNPDK20110517_101220_000000493102_00309_48168_9110.N1	17-MAY-2011 10:12:20	Dark	48.500	63	Bet Gru	2.1500	2800.0	97	48168	No
141	GOM_TRA_1PNPDK20110517_101351_000000463102_00310_48169_9111.N1	17-MAY-2011 10:13:51	Dark	45.500	31	Alp Gru	1.7340	15200.	91	48169	No
142	GOM_TRA_1PNPDK20110517_101922_000000423102_00310_48169_9112.N1	17-MAY-2011 10:19:22	Dark	42.000	45	Alp Pav	1.9400	26000.	84	48169	No
143	GOM_TRA_1PNPDK20110517_102626_000000433102_00310_48169_9113.N1	17-MAY-2011 10:26:26	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	48169	No
144	GOM_TRA_1PNPDK20110517_102903_000000503102_00310_48169_9114.N1	17-MAY-2011 10:29:03	Straylight	49.500	40	The Sco	1.8590	7100.0	99	48169	No
145	GOM_TRA_1PNPDK20110517_103054_000000543102_00310_48169_9115.N1	17-MAY-2011 10:30:54	Straylight	54.000	25	35Lam Sco	1.6200	28000.	108	48169	No
146	GOM_TRA_1PNPDK20110517_103309_000000583102_00310_48169_9116.N1	17-MAY-2011 10:33:09	Twilight	57.500	75	26Eps Sco	2.2910	4250.0	115	48169	No
147	GOM_TRA_1PNPDK20110517_103610_000000603102_00310_48169_9117.N1	17-MAY-2011 10:36:10	Twilight	59.500	16	21Alp Sco	1.0200	3000.0	119	48169	No
148	GOM_TRA_1PNPDK20110517_103842_000000463102_00310_48169_9118.N1	17-MAY-2011 10:38:42	Bright	46.000	97	8Bet1Sco	2.5610	30000.	92	48169	No
149	GOM_TRA_1PNPDK20110517_104218_000000403102_00310_48169_9138.N1	17-MAY-2011 10:42:18	Bright	39.500	104	27Bet Lib	2.6140	13100.	79	48169	No
150	GOM_TRA_1PNPDK20110517_104419_000000483102_00310_48169_9139.N1	17-MAY-2011 10:44:19	Bright	48.000	120	1Del Oph	2.7340	3200.0	96	48169	No
151	GOM_TRA_1PNPDK20110517_104727_000000433102_00310_48169_9140.N1	17-MAY-2011 10:47:27	Bright	42.500	102	24Alp Ser	2.6000	4250.0	85	48169	No
152	GOM_TRA_1PNPDK20110517_105305_000000383102_00310_48169_9141.N1	17-MAY-2011 10:53:05	Bright	37.500	83		2.3780	11000.	75	48169	No
153	GOM_TRA_1PNPDK20110517_105613_000000493102_00310_48169_9142.N1	17-MAY-2011 10:56:13	Bright	48.500	180	27Gam Boo	3.0400	8000.0	97	48169	No
154	GOM_TRA_1PNPDK20110517_110442_000000433102_00310_48169_9143.N1	17-MAY-2011 11:04:42	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	48169	No
155	GOM_TRA_1PNPDK20110517_110623_000000413102_00310_48169_9144.N1	17-MAY-2011 11:06:23	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	48169	No
156	GOM_TRA_1PNPDK20110517_111536_000000453102_00310_48169_9145.N1	17-MAY-2011 11:15:36	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	48169	No
157	GOM_TRA_1PNPDK20110517_111859_000000363102_00310_48169_9146.N1	17-MAY-2011 11:18:59	Bright	36.000	76	27Gam Cas	2.3000	30000.	72	48169	No
158	GOM_TRA_1PNPDK20110517_112012_000000353102_00310_48169_9147.N1	17-MAY-2011 11:20:12	Bright	35.000	68	18Alp Cas	2.2250	4500.0	70	48169	No
159	GOM_TRA_1PNPDK20110517_112838_000000473102_00310_48169_9148.N1	17-MAY-2011 11:28:38	Bright	46.500	58	21Alp And	2.0730	11000.	93	48169	No
160	GOM_TRA_1PNPDK20110517_113251_000000443102_00310_48169_9149.N1	17-MAY-2011 11:32:51	Twilight	44.000	140	88Gam Peg	2.8340	26000.	88	48169	No
161	GOM_TRA_1PNPDK20110517_113435_000000553102_00310_48169_9150.N1	17-MAY-2011 11:34:35	Dark	54.500	90	54Alp Peg	2.4870	11000.	109	48169	No
162	GOM_TRA_1PNPDK20110517_114820_000000483102_00310_48169_9151.N1	17-MAY-2011 11:48:20	Dark	48.000	18	24Alp PsA	1.1660	9700.0	96	48169	No
163	GOM_TRA_1PNPDK20110517_115235_000000473102_00310_48169_9152.N1	17-MAY-2011 11:52:35	Dark	47.000	63	Bet Gru	2.1500	2800.0	94	48169	No
164	GOM_TRA_1PNPDK20110517_115406_000000473102_00311_48170_9153.N1	17-MAY-2011 11:54:06	Dark	46.500	31	Alp Gru	1.7340	15200.	93	48170	No
165	GOM_TRA_1PNPDK20110517_115937_000000423102_00311_48170_9154.N1	17-MAY-2011 11:59:37	Dark	42.000	45	Alp Pav	1.9400	26000.	84	48170	No
166	GOM_TRA_1PNPDK20110517_120640_000000463102_00311_48170_9155.N1	17-MAY-2011 12:06:40	Straylight	46.000	141	Bet Ara	2.8400	4600.0	92	48170	No
167	GOM_TRA_1PNPDK20110517_120917_000000513102_00311_48170_9156.N1	17-MAY-2011 12:09:17	Straylight	51.000	40	The Sco	1.8590	7100.0	102	48170	No
168	GOM_TRA_1PNPDK20110517_121109_000000533102_00311_48170_9157.N1	17-MAY-2011 12:11:09	Straylight	53.000	25	35Lam Sco	1.6200	28000.	106	48170	No
169	GOM_TRA_1PNPDK20110517_121323_000000533102_00311_48170_9158.N1	17-MAY-2011 12:13:23	Twilight	53.000	75	26Eps Sco	2.2910	4250.0	106	48170	No
170	GOM_TRA_1PNPDK20110517_121624_000000573102_00311_48170_9159.N1	17-MAY-2011 12:16:24	Twilight	57.000	16	21Alp Sco	1.0200	3000.0	114	48170	No
171	GOM_TRA_1PNPDK20110517_121856_000000453102_00311_48170_9160.N1	17-MAY-2011 12:18:56	Bright	44.500	97	8Bet1Sco	2.5610	30000.	89	48170	No
172	GOM_TRA_1PNPDK20110517_122232_000000393102_00311_48170_9178.N1	17-MAY-2011 12:22:32	Bright	39.000	104	27Bet Lib	2.6140	13100.	78	48170	No
173	GOM_TRA_1PNPDK20110517_122433_000000553102_00311_48170_9179.N1	17-MAY-2011 12:24:33	Bright	55.000	120	1Del Oph	2.7340	3200.0	110	48170	No
174	GOM_TRA_1PNPDK20110517_122741_000000433102_00311_48170_9180.N1	17-MAY-2011 12:27:41	Bright	42.500	102	24Alp Ser	2.6000	4250.0	85	48170	No
175	GOM_TRA_1PNPDK20110517_123319_000000413102_00311_48170_9181.N1	17-MAY-2011 12:33:19	Bright	40.500	83		2.3780	11000.	81	48170	No
176	GOM_TRA_1PNPDK20110517_123627_000000443102_00311_48170_9182.N1	17-MAY-2011 12:36:27	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	48170	No
177	GOM_TRA_1PNPDK20110517_124456_000000433102_00311_48170_9183.N1	17-MAY-2011 12:44:56	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	48170	No
178	GOM_TRA_1PNPDK20110517_124637_000000393102_00311_48170_9184.N1	17-MAY-2011 12:46:37	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	48170	No
179	GOM_TRA_1PNPDK20110517_125549_000000613102_00311_48170_9185.N1	17-MAY-2011 12:55:49	Bright	61.000	89	5Alp Cep	2.4510	8000.0	122	48170	No
180	GOM_TRA_1PNPDK20110517_125914_000000403102_00311_48170_9186.N1	17-MAY-2011 12:59:14	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	48170	No
181	GOM_TRA_1PNPDK20110517_130026_000000363102_00311_48170_9187.N1	17-MAY-2011 13:00:26	Bright	36.000	68	18Alp Cas	2.2250	4500.0	72	48170	No
182	GOM_TRA_1PNPDK20110517_130852_000000443102_00311_48170_9188.N1	17-MAY-2011 13:08:52	Bright	43.500	58	21Alp And	2.0730	11000.	87	48170	No
183	GOM_TRA_1PNPDK20110517_131305_000000423102_00311_48170_9189.N1	17-MAY-2011 13:13:05	Twilight	42.000	140	88Gam Peg	2.8340	26000.	84	48170	No
184	GOM_TRA_1PNPDK20110517_131449_000000583102_00311_48170_9190.N1	17-MAY-2011 13:14:49	Dark	57.500	90	54Alp Peg	2.4870	11000.	115	48170	No
185	GOM_TRA_1PNPDK20110517_132834_000000523102_00311_48170_9191.N1	17-MAY-2011 13:28:34	Dark	52.000	18	24Alp PsA	1.1660	9700.0	104	48170	No
186	GOM_TRA_1PNPDK20110517_133249_000000493102_00311_48170_9192.N1	17-MAY-2011 13:32:49	Dark	48.500	63	Bet Gru	2.1500	2800.0	97	48170	No
187	GOM_TRA_1PNPDK20110517_133421_000000443102_00312_48171_9193.N1	17-MAY-2011 13:34:21	Dark	43.500	31	Alp Gru	1.7340	15200.	87	48171	No

188	GOM_TRA_1PNPDK20110517_133951_000000433102_00312_48171_9194.N1	17-MAY-2011 13:39:51	Dark	43.000	45	Alp Pav	1.9400	26000.	86	48171	No
189	GOM_TRA_1PNPDK20110517_134655_000000443102_00312_48171_9195.N1	17-MAY-2011 13:46:55	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	48171	No
190	GOM_TRA_1PNPDK20110517_134932_000000523102_00312_48171_9196.N1	17-MAY-2011 13:49:32	Straylight	52.000	40	The Sco	1.8590	7100.0	104	48171	No
191	GOM_TRA_1PNPDK20110517_135123_000000553102_00312_48171_9197.N1	17-MAY-2011 13:51:23	Straylight	54.500	25	35Lam Sco	1.6200	28000.	109	48171	No
192	GOM_TRA_1PNPDK20110517_135338_000000523102_00312_48171_9198.N1	17-MAY-2011 13:53:38	Tw_i_and_stray	51.500	75	26Eps Sco	2.2910	4250.0	103	48171	No
193	GOM_TRA_1PNPDK20110517_135638_000000543102_00312_48171_9199.N1	17-MAY-2011 13:56:38	Tw_i_and_stray	53.500	16	21Alp Sco	1.0200	3000.0	107	48171	No
194	GOM_TRA_1PNPDK20110517_135910_000000453102_00312_48171_9203.N1	17-MAY-2011 13:59:10	Bright	44.500	97	8Bet1Sco	2.5610	30000.	89	48171	Yes
195	GOM_TRA_1PNPDK20110517_140246_000000393102_00312_48171_9204.N1	17-MAY-2011 14:02:46	Bright	39.000	104	27Bet Lib	2.6140	13100.	78	48171	No
196	GOM_TRA_1PNPDK20110517_140447_000000483102_00312_48171_9205.N1	17-MAY-2011 14:04:47	Bright	47.500	120	1Del Oph	2.7340	3200.0	95	48171	No
197	GOM_TRA_1PNPDK20110517_140755_000000433102_00312_48171_9206.N1	17-MAY-2011 14:07:55	Bright	42.500	102	24Alp Ser	2.6000	4250.0	85	48171	No
198	GOM_TRA_1PNPDK20110517_141332_000000393102_00312_48171_9207.N1	17-MAY-2011 14:13:32	Bright	38.500	83		2.3780	11000.	77	48171	No
199	GOM_TRA_1PNPDK20110517_141641_000000383102_00312_48171_9208.N1	17-MAY-2011 14:16:41	Bright	37.500	180	27Gam Boo	3.0400	8000.0	75	48171	No
200	GOM_TRA_1PNPDK20110517_142509_000000423102_00312_48171_9209.N1	17-MAY-2011 14:25:09	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	48171	No
201	GOM_TRA_1PNPDK20110517_142651_000000393102_00312_48171_9210.N1	17-MAY-2011 14:26:51	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	48171	No
202	GOM_TRA_1PNPDK20110517_143603_000000503102_00312_48171_9211.N1	17-MAY-2011 14:36:03	Bright	49.500	89	5Alp Cep	2.4510	8000.0	99	48171	No
203	GOM_TRA_1PNPDK20110517_143927_000000363102_00312_48171_9212.N1	17-MAY-2011 14:39:27	Bright	36.000	76	27Gam Cas	2.3000	30000.	72	48171	No
204	GOM_TRA_1PNPDK20110517_144040_000000503102_00312_48171_9213.N1	17-MAY-2011 14:40:40	Bright	50.000	68	18Alp Cas	2.2250	4500.0	100	48171	No
205	GOM_TRA_1PNPDK20110517_144907_000000453102_00312_48171_9214.N1	17-MAY-2011 14:49:07	Bright	44.500	58	21Alp And	2.0730	11000.	89	48171	No
206	GOM_TRA_1PNPDK20110517_145320_000000443102_00312_48171_9215.N1	17-MAY-2011 14:53:20	Dark	43.500	140	88Gam Peg	2.8340	26000.	87	48171	No
207	GOM_TRA_1PNPDK20110517_145504_000000583102_00312_48171_9216.N1	17-MAY-2011 14:55:04	Dark	58.000	90	54Alp Peg	2.4870	11000.	116	48171	No
208	GOM_TRA_1PNPDK20110517_150849_000000513102_00312_48171_9217.N1	17-MAY-2011 15:08:49	Dark	50.500	18	24Alp PsA	1.1660	9700.0	101	48171	No
209	GOM_TRA_1PNPDK20110517_151304_000000583102_00312_48171_9218.N1	17-MAY-2011 15:13:04	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	48171	No
210	GOM_TRA_1PNPDK20110517_151436_000000443102_00313_48172_9219.N1	17-MAY-2011 15:14:36	Dark	43.500	31	Alp Gru	1.7340	15200.	87	48172	No
211	GOM_TRA_1PNPDK20110517_152006_000000413102_00313_48172_9220.N1	17-MAY-2011 15:20:06	Dark	41.000	45	Alp Pav	1.9400	26000.	82	48172	No
212	GOM_TRA_1PNPDK20110517_152710_000000413102_00313_48172_9221.N1	17-MAY-2011 15:27:10	Straylight	40.500	141	Bet Ara	2.8400	4600.0	81	48172	No
213	GOM_TRA_1PNPDK20110517_152947_000000513102_00313_48172_9222.N1	17-MAY-2011 15:29:47	Straylight	51.000	40	The Sco	1.8590	7100.0	102	48172	No
214	GOM_TRA_1PNPDK20110517_153138_000000513102_00313_48172_9223.N1	17-MAY-2011 15:31:38	Straylight	51.000	25	35Lam Sco	1.6200	28000.	102	48172	No
215	GOM_TRA_1PNPDK20110517_153352_000000543102_00313_48172_9224.N1	17-MAY-2011 15:33:52	Tw_i_and_stray	53.500	75	26Eps Sco	2.2910	4250.0	107	48172	No
216	GOM_TRA_1PNPDK20110517_153653_000000643102_00313_48172_9258.N1	17-MAY-2011 15:36:53	Tw_i_and_stray	64.000	16	21Alp Sco	1.0200	3000.0	128	48172	Yes
217	GOM_TRA_1PNPDK20110517_153924_000000463102_00313_48172_9259.N1	17-MAY-2011 15:39:24	Bright	45.500	97	8Bet1Sco	2.5610	30000.	91	48172	No
218	GOM_TRA_1PNPDK20110517_154301_000000403102_00313_48172_9260.N1	17-MAY-2011 15:43:01	Bright	40.000	104	27Bet Lib	2.6140	13100.	80	48172	No
219	GOM_TRA_1PNPDK20110517_154500_000000483102_00313_48172_9261.N1	17-MAY-2011 15:45:00	Bright	47.500	120	1Del Oph	2.7340	3200.0	95	48172	No
220	GOM_TRA_1PNPDK20110517_154808_000000433102_00313_48172_9262.N1	17-MAY-2011 15:48:08	Bright	43.000	102	24Alp Ser	2.6000	4250.0	86	48172	No
221	GOM_TRA_1PNPDK20110517_155346_000000383102_00313_48172_9263.N1	17-MAY-2011 15:53:46	Bright	37.500	83		2.3780	11000.	75	48172	No
222	GOM_TRA_1PNPDK20110517_155654_000000383102_00313_48172_9264.N1	17-MAY-2011 15:56:54	Bright	37.500	180	27Gam Boo	3.0400	8000.0	75	48172	No
223	GOM_TRA_1PNPDK20110517_160523_000000413102_00313_48172_9265.N1	17-MAY-2011 16:05:23	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	48172	No
224	GOM_TRA_1PNPDK20110517_160705_000000343102_00313_48172_9266.N1	17-MAY-2011 16:07:05	Bright	33.500	60	7Bet UMi	2.0810	3950.0	67	48172	No
225	GOM_TRA_1PNPDK20110517_161616_000000493102_00313_48172_9267.N1	17-MAY-2011 16:16:16	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	48172	No
226	GOM_TRA_1PNPDK20110517_161941_000000443102_00313_48172_9268.N1	17-MAY-2011 16:19:41	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	48172	No
227	GOM_TRA_1PNPDK20110517_162054_000000353102_00313_48172_9269.N1	17-MAY-2011 16:20:54	Bright	35.000	68	18Alp Cas	2.2250	4500.0	70	48172	No
228	GOM_TRA_1PNPDK20110517_162921_000000463102_00313_48172_9270.N1	17-MAY-2011 16:29:21	Bright	45.500	58	21Alp And	2.0730	11000.	91	48172	No
229	GOM_TRA_1PNPDK20110517_163334_000000443102_00313_48172_9271.N1	17-MAY-2011 16:33:34	Dark	43.500	140	88Gam Peg	2.8340	26000.	87	48172	No
230	GOM_TRA_1PNPDK20110517_163518_000000563102_00313_48172_9272.N1	17-MAY-2011 16:35:18	Dark	55.500	90	54Alp Peg	2.4870	11000.	111	48172	No
231	GOM_TRA_1PNPDK20110517_164904_000000493102_00313_48172_9273.N1	17-MAY-2011 16:49:04	Dark	49.000	18	24Alp PsA	1.1660	9700.0	98	48172	No
232	GOM_TRA_1PNPDK20110517_165319_000000523102_00313_48172_9274.N1	17-MAY-2011 16:53:19	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	48172	No
233	GOM_TRA_1PNPDK20110517_165451_000000443102_00314_48173_9275.N1	17-MAY-2011 16:54:51	Dark	43.500	31	Alp Gru	1.7340	15200.	87	48173	No
234	GOM_TRA_1PNPDK20110517_170021_000000423102_00314_48173_9276.N1	17-MAY-2011 17:00:21	Dark	42.000	45	Alp Pav	1.9400	26000.	84	48173	No
235	GOM_TRA_1PNPDK20110517_170724_000000423102_00314_48173_9277.N1	17-MAY-2011 17:07:24	Straylight	41.500	141	Bet Ara	2.8400	4600.0	83	48173	No
236	GOM_TRA_1PNPDK20110517_171001_000000523102_00314_48173_9278.N1	17-MAY-2011 17:10:01	Straylight	52.000	40	The Sco	1.8590	7100.0	104	48173	No
237	GOM_TRA_1PNPDK20110517_171152_000000493102_00314_48173_9279.N1	17-MAY-2011 17:11:52	Straylight	48.500	25	35Lam Sco	1.6200	28000.	97	48173	No
238	GOM_TRA_1PNPDK20110517_171407_000000533102_00314_48173_9323.N1	17-MAY-2011 17:14:07	Tw_i_and_stray	53.000	75	26Eps Sco	2.2910	4250.0	106	48173	No
239	GOM_TRA_1PNPDK20110517_171707_000000543102_00314_48173_9324.N1	17-MAY-2011 17:17:07	Tw_i_and_stray	53.500	16	21Alp Sco	1.0200	3000.0	107	48173	No
240	GOM_TRA_1PNPDK20110517_171939_000000463102_00314_48173_9325.N1	17-MAY-2011 17:19:39	Bright	45.500	97	8Bet1Sco	2.5610	30000.	91	48173	No
241	GOM_TRA_1PNPDK20110517_172315_000000393102_00314_48173_9326.N1	17-MAY-2011 17:23:15	Bright	39.000	104	27Bet Lib	2.6140	13100.	78	48173	No
242	GOM_TRA_1PNPDK20110517_172514_000000483102_00314_48173_9327.N1	17-MAY-2011 17:25:14	Bright	47.500	120	1Del Oph	2.7340	3200.0	95	48173	No
243	GOM_TRA_1PNPDK20110517_172822_000000433102_00314_48173_9328.N1	17-MAY-2011 17:28:22	Bright	43.000	102	24Alp Ser	2.6000	4250.0	86	48173	No
244	GOM_TRA_1PNPDK20110517_173400_000000413102_00314_48173_9329.N1	17-MAY-2011 17:34:00	Bright	40.500	83		2.3780	11000.	81	48173	No
245	GOM_TRA_1PNPDK20110517_173708_000000373102_00314_48173_9330.N1	17-MAY-2011 17:37:08	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	48173	No
246	GOM_TRA_1PNPDK20110517_174536_000000423102_00314_48173_9331.N1	17-MAY-2011 17:45:36	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	48173	No

247	GOM_TRA_1PNPDK20110517_174719_000000393102_00314_48173_9332.N1	17-MAY-2011 17:47:19	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	48173	No
248	GOM_TRA_1PNPDK20110517_175630_000000463102_00314_48173_9333.N1	17-MAY-2011 17:56:30	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48173	No
249	GOM_TRA_1PNPDK20110517_175955_000000423102_00314_48173_9334.N1	17-MAY-2011 17:59:55	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	48173	No
250	GOM_TRA_1PNPDK20110517_180108_000000373102_00314_48173_9335.N1	17-MAY-2011 18:01:08	Bright	36.500	68	18Alp Cas	2.2250	4500.0	73	48173	No
251	GOM_TRA_1PNPDK20110517_180935_000000483102_00314_48173_9336.N1	17-MAY-2011 18:09:35	Tw_i_and_stray	47.500	58	21Alp And	2.0730	11000.	95	48173	No
252	GOM_TRA_1PNPDK20110517_181348_000000423102_00314_48173_9337.N1	17-MAY-2011 18:13:48	Dark	42.000	140	88Gam Peg	2.8340	26000.	84	48173	No
253	GOM_TRA_1PNPDK20110517_181533_000000583102_00314_48173_9338.N1	17-MAY-2011 18:15:33	Dark	58.000	90	54Alp Peg	2.4870	11000.	116	48173	No
254	GOM_TRA_1PNPDK20110517_182919_000000523102_00314_48173_9339.N1	17-MAY-2011 18:29:19	Dark	51.500	18	24Alp PsA	1.1660	9700.0	103	48173	No
255	GOM_TRA_1PNPDK20110517_183333_000000483102_00314_48173_9340.N1	17-MAY-2011 18:33:33	Dark	48.000	63	Bet Gru	2.1500	2800.0	96	48173	No
256	GOM_TRA_1PNPDK20110517_183506_000000433102_00315_48174_9341.N1	17-MAY-2011 18:35:06	Dark	43.000	31	Alp Gru	1.7340	15200.	86	48174	No
257	GOM_TRA_1PNPDK20110517_184036_000000433102_00315_48174_9342.N1	17-MAY-2011 18:40:36	Dark	43.000	45	Alp Pav	1.9400	26000.	86	48174	No
258	GOM_TRA_1PNPDK20110517_184739_000000443102_00315_48174_9343.N1	17-MAY-2011 18:47:39	Straylight	44.000	141	Bet Ara	2.8400	4600.0	88	48174	No
259	GOM_TRA_1PNPDK20110517_185016_000000533102_00315_48174_9344.N1	17-MAY-2011 18:50:16	Straylight	53.000	40	The Sco	1.8590	7100.0	106	48174	No
260	GOM_TRA_1PNPDK20110517_185207_000000543102_00315_48174_9350.N1	17-MAY-2011 18:52:07	Straylight	54.000	25	35Lam Sco	1.6200	28000.	108	48174	No
261	GOM_TRA_1PNPDK20110517_185421_000000543102_00315_48174_9351.N1	17-MAY-2011 18:54:21	Tw_i_and_stray	53.500	75	26Eps Sco	2.2910	4250.0	107	48174	No
262	GOM_TRA_1PNPDK20110517_185722_000000563102_00315_48174_9352.N1	17-MAY-2011 18:57:22	Tw_i_and_stray	55.500	16	21Alp Sco	1.0200	3000.0	111	48174	No
263	GOM_TRA_1PNPDK20110517_185953_000000463102_00315_48174_9353.N1	17-MAY-2011 18:59:53	Bright	45.500	97	8Bet1Sco	2.5610	30000.	91	48174	No
264	GOM_TRA_1PNPDK20110517_190329_000000393102_00315_48174_9354.N1	17-MAY-2011 19:03:29	Bright	39.000	104	27Bet Lib	2.6140	13100.	78	48174	No
265	GOM_TRA_1PNPDK20110517_190528_000000483102_00315_48174_9355.N1	17-MAY-2011 19:05:28	Bright	47.500	120	1Del Oph	2.7340	3200.0	95	48174	No
266	GOM_TRA_1PNPDK20110517_190836_000000433102_00315_48174_9356.N1	17-MAY-2011 19:08:36	Bright	43.000	102	24Alp Ser	2.6000	4250.0	86	48174	No
267	GOM_TRA_1PNPDK20110517_191414_000000383102_00315_48174_9357.N1	17-MAY-2011 19:14:14	Bright	37.500	83		2.3780	11000.	75	48174	No
268	GOM_TRA_1PNPDK20110517_191722_000000373102_00315_48174_9358.N1	17-MAY-2011 19:17:22	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	48174	No
269	GOM_TRA_1PNPDK20110517_192550_000000433102_00315_48174_9359.N1	17-MAY-2011 19:25:50	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	48174	No
270	GOM_TRA_1PNPDK20110517_192733_000000393102_00315_48174_9360.N1	17-MAY-2011 19:27:33	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	48174	No
271	GOM_TRA_1PNPDK20110517_193643_000000463102_00315_48174_9361.N1	17-MAY-2011 19:36:43	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48174	No
272	GOM_TRA_1PNPDK20110517_194010_000000533102_00315_48174_9362.N1	17-MAY-2011 19:40:10	Bright	53.000	76	27Gam Cas	2.3000	30000.	106	48174	No
273	GOM_TRA_1PNPDK20110517_194122_000000543102_00315_48174_9363.N1	17-MAY-2011 19:41:22	Bright	54.000	68	18Alp Cas	2.2250	4500.0	108	48174	No
274	GOM_TRA_1PNPDK20110517_194949_000000483102_00315_48174_9364.N1	17-MAY-2011 19:49:49	Tw_i_and_stray	47.500	58	21Alp And	2.0730	11000.	95	48174	No
275	GOM_TRA_1PNPDK20110517_195403_000000443102_00315_48174_9365.N1	17-MAY-2011 19:54:03	Dark	43.500	140	88Gam Peg	2.8340	26000.	87	48174	No
276	GOM_TRA_1PNPDK20110517_195548_000000563102_00315_48174_9366.N1	17-MAY-2011 19:55:48	Dark	56.000	90	54Alp Peg	2.4870	11000.	112	48174	No
277	GOM_TRA_1PNPDK20110517_200934_000000533102_00315_48174_9367.N1	17-MAY-2011 20:09:34	Dark	52.500	18	24Alp PsA	1.1660	9700.0	105	48174	No
278	GOM_TRA_1PNPDK20110517_201348_000000573102_00315_48174_9368.N1	17-MAY-2011 20:13:48	Dark	57.000	63	Bet Gru	2.1500	2800.0	114	48174	No
279	GOM_TRA_1PNPDK20110517_201520_000000433102_00316_48175_9369.N1	17-MAY-2011 20:15:20	Dark	42.500	31	Alp Gru	1.7340	15200.	85	48175	No
280	GOM_TRA_1PNPDK20110517_202050_000000433102_00316_48175_9370.N1	17-MAY-2011 20:20:50	Dark	43.000	45	Alp Pav	1.9400	26000.	86	48175	No
281	GOM_TRA_1PNPDK20110517_202753_000000423102_00316_48175_9371.N1	17-MAY-2011 20:27:53	Straylight	42.000	141	Bet Ara	2.8400	4600.0	84	48175	No
282	GOM_TRA_1PNPDE20110517_203031_000000483102_00316_48175_6777.N1	17-MAY-2011 20:30:31	Straylight	47.500	40	The Sco	1.8590	7100.0	95	48175	No
283	GOM_TRA_1PNPDE20110517_203221_000000553102_00316_48175_6778.N1	17-MAY-2011 20:32:21	Straylight	54.500	25	35Lam Sco	1.6200	28000.	109	48175	No
284	GOM_TRA_1PNPDE20110517_203435_000000513102_00316_48175_6779.N1	17-MAY-2011 20:34:35	Tw_i_and_stray	50.500	75	26Eps Sco	2.2910	4250.0	101	48175	No
285	GOM_TRA_1PNPDE20110517_203736_000000573102_00316_48175_6780.N1	17-MAY-2011 20:37:36	Tw_i_and_stray	56.500	16	21Alp Sco	1.0200	3000.0	113	48175	No
286	GOM_TRA_1PNPDE20110517_204007_000000463102_00316_48175_6781.N1	17-MAY-2011 20:40:07	Bright	46.000	97	8Bet1Sco	2.5610	30000.	92	48175	No
287	GOM_TRA_1PNPDE20110517_204343_000000563102_00316_48175_6782.N1	17-MAY-2011 20:43:43	Bright	56.000	104	27Bet Lib	2.6140	13100.	112	48175	No
288	GOM_TRA_1PNPDE20110517_204542_000000483102_00316_48175_6783.N1	17-MAY-2011 20:45:42	Bright	47.500	120	1Del Oph	2.7340	3200.0	95	48175	No
289	GOM_TRA_1PNPDE20110517_204850_000000433102_00316_48175_6784.N1	17-MAY-2011 20:48:50	Bright	42.500	102	24Alp Ser	2.6000	4250.0	85	48175	No
290	GOM_TRA_1PNPDE20110517_205428_000000403102_00316_48175_6785.N1	17-MAY-2011 20:54:28	Bright	39.500	83		2.3780	11000.	79	48175	No
291	GOM_TRA_1PNPDE20110517_205736_000000543102_00316_48175_6786.N1	17-MAY-2011 20:57:36	Bright	54.000	180	27Gam Boo	3.0400	8000.0	108	48175	No
292	GOM_TRA_1PNPDE20110517_210604_000000423102_00316_48175_6787.N1	17-MAY-2011 21:06:04	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	48175	No
293	GOM_TRA_1PNPDE20110517_210747_000000403102_00316_48175_6788.N1	17-MAY-2011 21:07:47	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	48175	No
294	GOM_TRA_1PNPDE20110517_211657_000000433102_00316_48175_6789.N1	17-MAY-2011 21:16:57	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	48175	No
295	GOM_TRA_1PNPDE20110517_212024_000000343102_00316_48175_6790.N1	17-MAY-2011 21:20:24	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	48175	No
296	GOM_TRA_1PNPDE20110517_212136_000000483102_00316_48175_6791.N1	17-MAY-2011 21:21:36	Bright	48.000	68	18Alp Cas	2.2250	4500.0	96	48175	No
297	GOM_TRA_1PNPDE20110517_213003_000000463102_00316_48175_6792.N1	17-MAY-2011 21:30:03	Tw_i_and_stray	45.500	58	21Alp And	2.0730	11000.	91	48175	No
298	GOM_TRA_1PNPDE20110517_213417_000000433102_00316_48175_6793.N1	17-MAY-2011 21:34:17	Dark	43.000	140	88Gam Peg	2.8340	26000.	86	48175	No
299	GOM_TRA_1PNPDE20110517_213602_000000553102_00316_48175_6794.N1	17-MAY-2011 21:36:02	Dark	54.500	90	54Alp Peg	2.4870	11000.	109	48175	No
300	GOM_TRA_1PNPDE20110517_215403_000000573102_00316_48175_6800.N1	17-MAY-2011 21:54:03	Dark	56.500	63	Bet Gru	2.1500	2800.0	113	48175	No
301	GOM_TRA_1PNPDE20110517_215535_000000513102_00317_48176_6801.N1	17-MAY-2011 21:55:35	Dark	51.000	31	Alp Gru	1.7340	15200.	102	48176	No
302	GOM_TRA_1PNPDE20110517_220105_000000433102_00317_48176_6802.N1	17-MAY-2011 22:01:05	Dark	42.500	45	Alp Pav	1.9400	26000.	85	48176	No
303	GOM_TRA_1PNPDE20110517_220807_000000493102_00317_48176_6803.N1	17-MAY-2011 22:08:07	Straylight	48.500	141	Bet Ara	2.8400	4600.0	97	48176	No
304	GOM_TRA_1PNPDE20110517_221045_000000503102_00317_48176_6804.N1	17-MAY-2011 22:10:45	Straylight	49.500	40	The Sco	1.8590	7100.0	99	48176	No
305	GOM_TRA_1PNPDE20110517_221236_000000533102_00317_48176_6805.N1	17-MAY-2011 22:12:36	Straylight	53.000	25	35Lam Sco	1.6200	28000.	106	48176	No

306	GOM_TRA_1PNPDE20110517_221450_000000523102_00317_48176_6806.N1	17-MAY-2011 22:14:50	Twilight	51.500	75	26Eps Sco	2.2910	4250.0	103	48176	No
307	GOM_TRA_1PNPDE20110517_221750_000000613102_00317_48176_6807.N1	17-MAY-2011 22:17:50	Twilight	61.000	16	21Alp Sco	1.0200	3000.0	122	48176	No
308	GOM_TRA_1PNPDE20110517_222021_000000463102_00317_48176_6808.N1	17-MAY-2011 22:20:21	Bright	45.500	97	8Bet1Sco	2.5610	30000.	91	48176	No
309	GOM_TRA_1PNPDE20110517_222357_000000563102_00317_48176_6809.N1	17-MAY-2011 22:23:57	Bright	56.000	104	27Bet Lib	2.6140	13100.	112	48176	No
310	GOM_TRA_1PNPDE20110517_222556_000000483102_00317_48176_6810.N1	17-MAY-2011 22:25:56	Bright	47.500	120	1Del Oph	2.7340	3200.0	95	48176	No
311	GOM_TRA_1PNPDE20110517_222904_000000433102_00317_48176_6811.N1	17-MAY-2011 22:29:04	Bright	42.500	102	24Alp Ser	2.6000	4250.0	85	48176	No
312	GOM_TRA_1PNPDE20110517_223442_000000373102_00317_48176_6812.N1	17-MAY-2011 22:34:42	Bright	37.000	83		2.3780	11000.	74	48176	No
313	GOM_TRA_1PNPDE20110517_223750_000000423102_00317_48176_6813.N1	17-MAY-2011 22:37:50	Bright	41.500	180	27Gam Boo	3.0400	8000.0	83	48176	No
314	GOM_TRA_1PNPDE20110517_224617_000000433102_00317_48176_6814.N1	17-MAY-2011 22:46:17	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	48176	No
315	GOM_TRA_1PNPDE20110517_224801_000000393102_00317_48176_6815.N1	17-MAY-2011 22:48:01	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	48176	No
316	GOM_TRA_1PNPDE20110517_225711_000000453102_00317_48176_6816.N1	17-MAY-2011 22:57:11	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	48176	No
317	GOM_TRA_1PNPDE20110517_230037_000000433102_00317_48176_6817.N1	17-MAY-2011 23:00:37	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	48176	No
318	GOM_TRA_1PNPDE20110517_230150_000000513102_00317_48176_6818.N1	17-MAY-2011 23:01:50	Bright	51.000	68	18Alp Cas	2.2250	4500.0	102	48176	No
319	GOM_TRA_1PNPDE20110517_231017_000000473102_00317_48176_6819.N1	17-MAY-2011 23:10:17	Twilight	47.000	58	21Alp And	2.0730	11000.	94	48176	No
320	GOM_TRA_1PNPDE20110517_231431_000000453102_00317_48176_6820.N1	17-MAY-2011 23:14:31	Dark	45.000	140	88Gam Peg	2.8340	26000.	90	48176	No
321	GOM_TRA_1PNPDE20110517_231617_000000513102_00317_48176_6821.N1	17-MAY-2011 23:16:17	Dark	50.500	90	54Alp Peg	2.4870	11000.	101	48176	No
322	GOM_TRA_1PNPDE20110517_233003_000000503102_00317_48176_6825.N1	17-MAY-2011 23:30:03	Dark	49.500	18	24Alp PsA	1.1660	9700.0	99	48176	No
323	GOM_TRA_1PNPDE20110517_233417_000000463102_00317_48176_6826.N1	17-MAY-2011 23:34:17	Dark	46.000	63	Bet Gru	2.1500	2800.0	92	48176	No
324	GOM_TRA_1PNPDE20110517_233550_000000453102_00318_48177_6827.N1	17-MAY-2011 23:35:50	Dark	45.000	31	Alp Gru	1.7340	15200.	90	48177	No
325	GOM_TRA_1PNPDE20110517_234119_000000413102_00318_48177_6828.N1	17-MAY-2011 23:41:19	Dark	41.000	45	Alp Pav	1.9400	26000.	82	48177	No
326	GOM_TRA_1PNPDE20110517_234822_000000453102_00318_48177_6829.N1	17-MAY-2011 23:48:22	Straylight	45.000	141	Bet Ara	2.8400	4600.0	90	48177	No
327	GOM_TRA_1PNPDE20110517_235059_000000523102_00318_48177_6830.N1	17-MAY-2011 23:50:59	Straylight	52.000	40	The Sco	1.8590	7100.0	104	48177	No
328	GOM_TRA_1PNPDE20110517_235251_000000563102_00318_48177_6831.N1	17-MAY-2011 23:52:51	Straylight	56.000	25	35Lam Sco	1.6200	28000.	112	48177	No
329	GOM_TRA_1PNPDE20110517_235504_000000513102_00318_48177_6832.N1	17-MAY-2011 23:55:04	Twilight	51.000	75	26Eps Sco	2.2910	4250.0	102	48177	No
330	GOM_TRA_1PNPDE20110517_235804_000000633102_00318_48177_6833.N1	17-MAY-2011 23:58:04	Twilight	62.500	16	21Alp Sco	1.0200	3000.0	125	48177	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).

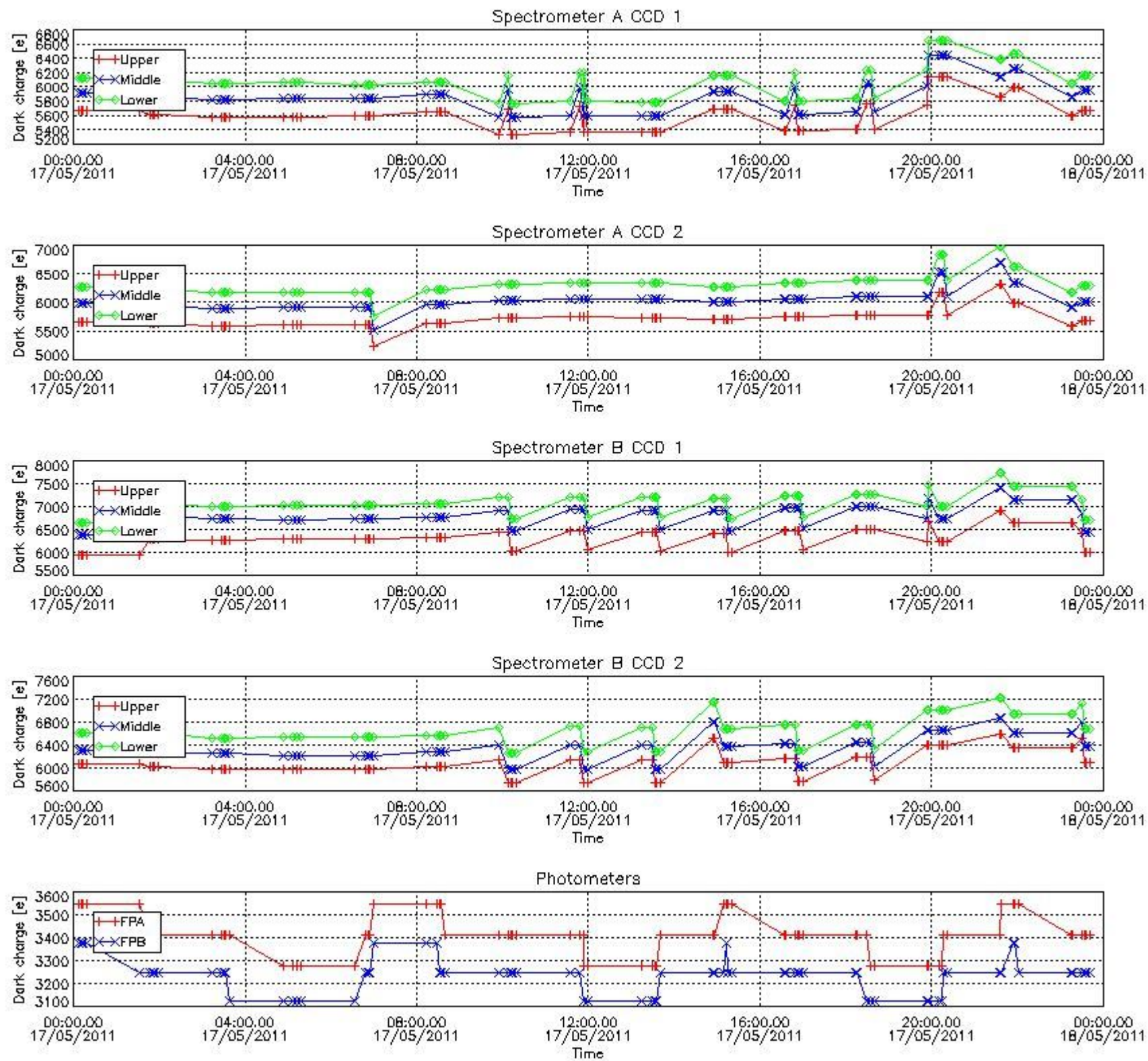
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110517_203031_000000483102_00316_48175_6777.N1	DC map used
GOM_TRA_1PNPDE20110517_203221_000000553102_00316_48175_6778.N1	DC map used
GOM_TRA_1PNPDE20110517_203435_000000513102_00316_48175_6779.N1	DC map used
GOM_TRA_1PNPDE20110517_203736_000000573102_00316_48175_6780.N1	DC map used
GOM_TRA_1PNPDE20110517_204007_000000463102_00316_48175_6781.N1	DC map used
GOM_TRA_1PNPDE20110517_204343_000000563102_00316_48175_6782.N1	DC map used
GOM_TRA_1PNPDE20110517_204542_000000483102_00316_48175_6783.N1	DC map used
GOM_TRA_1PNPDE20110517_204850_000000433102_00316_48175_6784.N1	DC map used
GOM_TRA_1PNPDE20110517_205428_000000403102_00316_48175_6785.N1	DC map used
GOM_TRA_1PNPDE20110517_205736_000000543102_00316_48175_6786.N1	DC map used
GOM_TRA_1PNPDE20110517_210604_000000423102_00316_48175_6787.N1	DC map used
GOM_TRA_1PNPDE20110517_210747_000000403102_00316_48175_6788.N1	DC map used
GOM_TRA_1PNPDE20110517_211657_000000433102_00316_48175_6789.N1	DC map used
GOM_TRA_1PNPDE20110517_212024_000000343102_00316_48175_6790.N1	DC map used

GOM_TRA_1PNPDE20110517_212136_000000483102_00316_48175_6791.N1	DC map used
GOM_TRA_1PNPDE20110517_213003_000000463102_00316_48175_6792.N1	DC map used
GOM_TRA_1PNPDE20110517_213417_000000433102_00316_48175_6793.N1	DC map used
GOM_TRA_1PNPDE20110517_213602_000000553102_00316_48175_6794.N1	DC map used

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



5. Demodulation flag and quality information monitoring

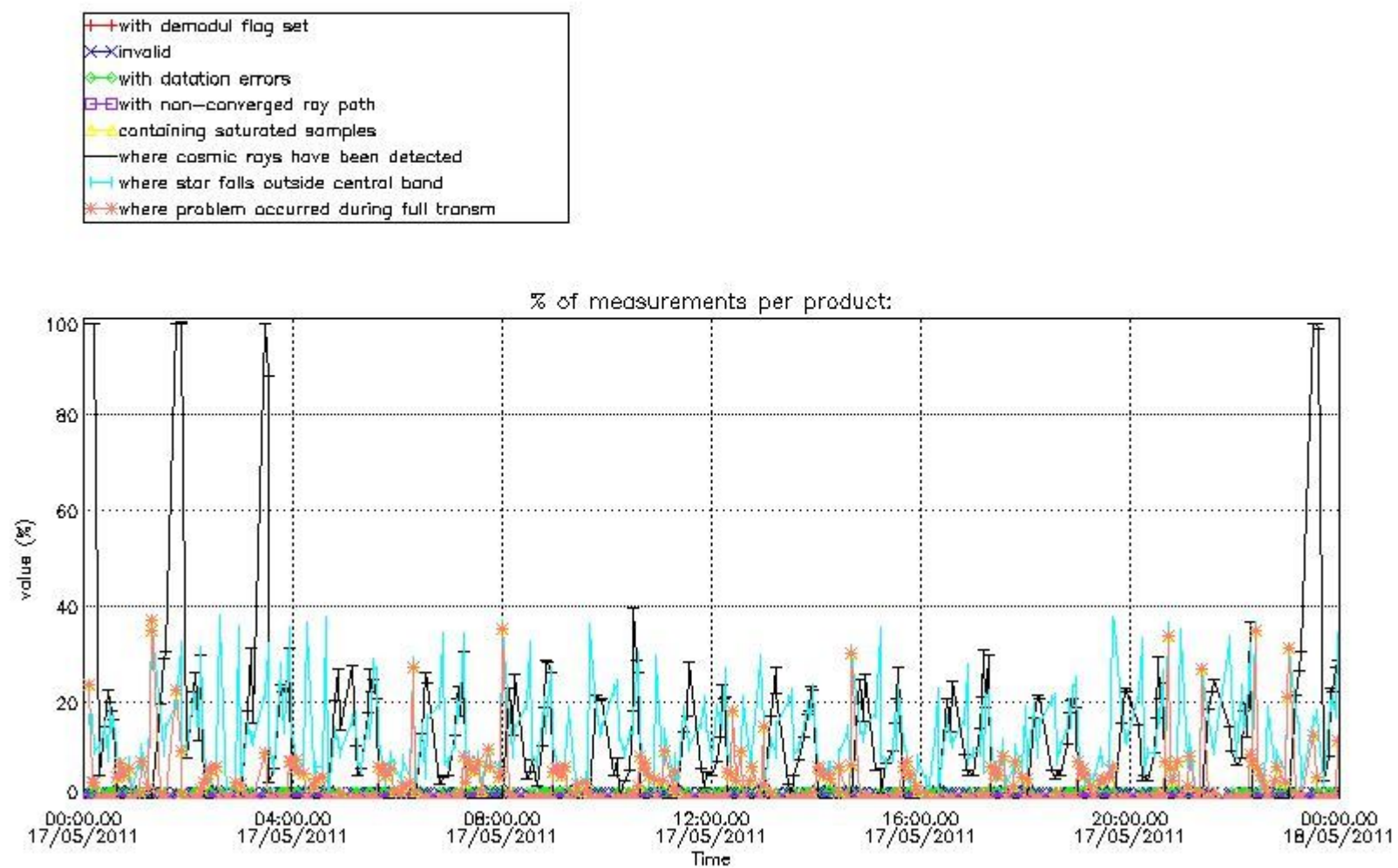
In this section it is presented the modulation information extracted from the pcd (product confidence data)

at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

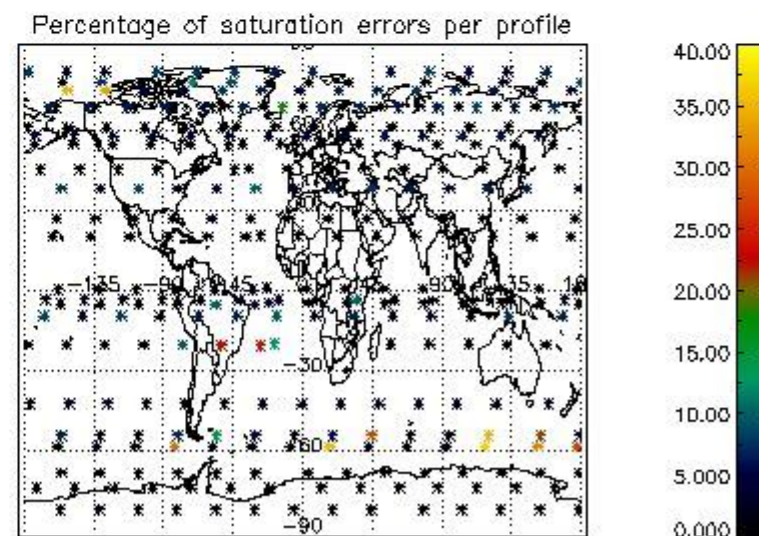
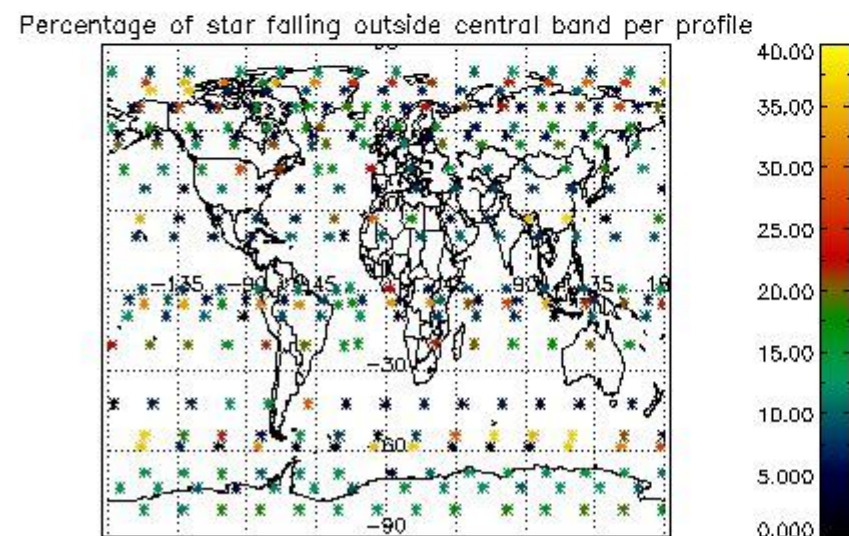
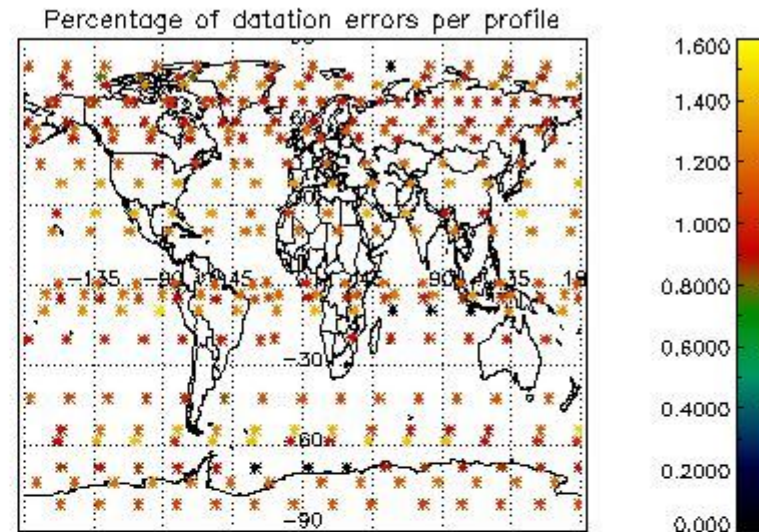
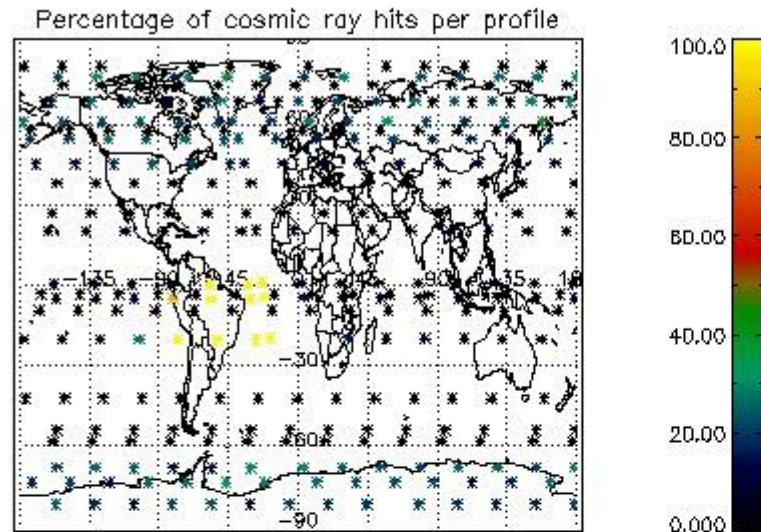
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	49.3902 %
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)



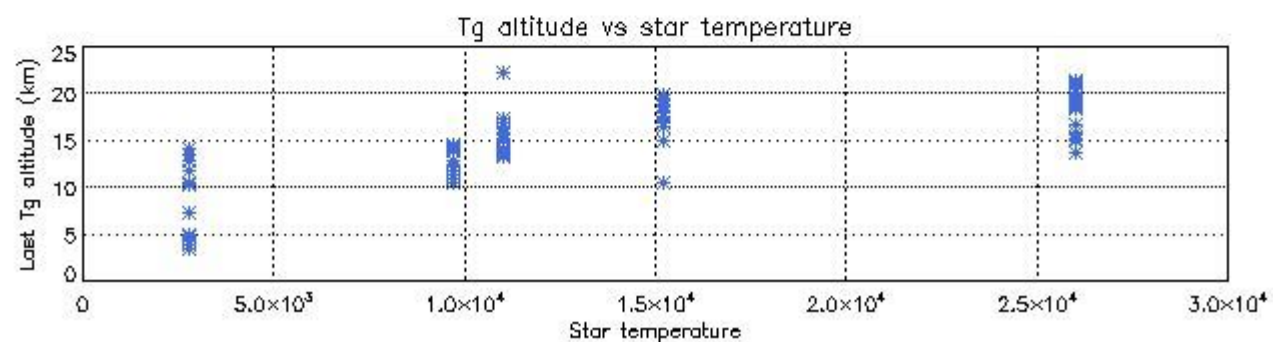
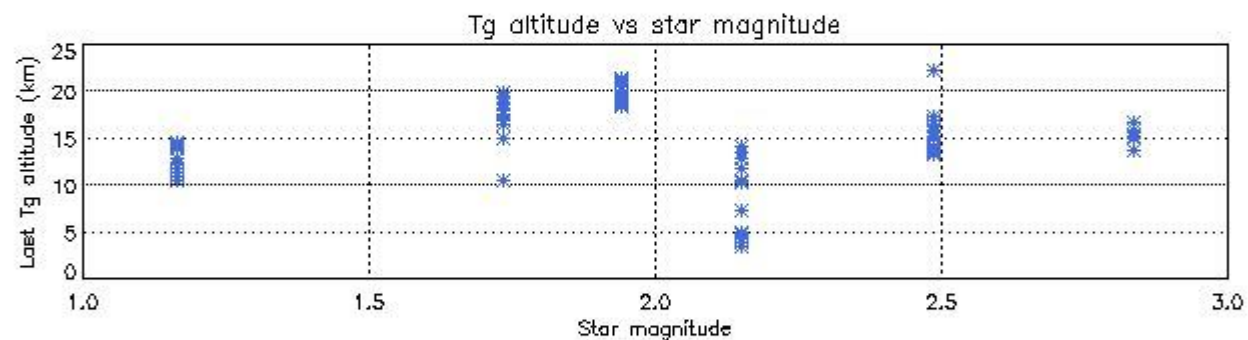
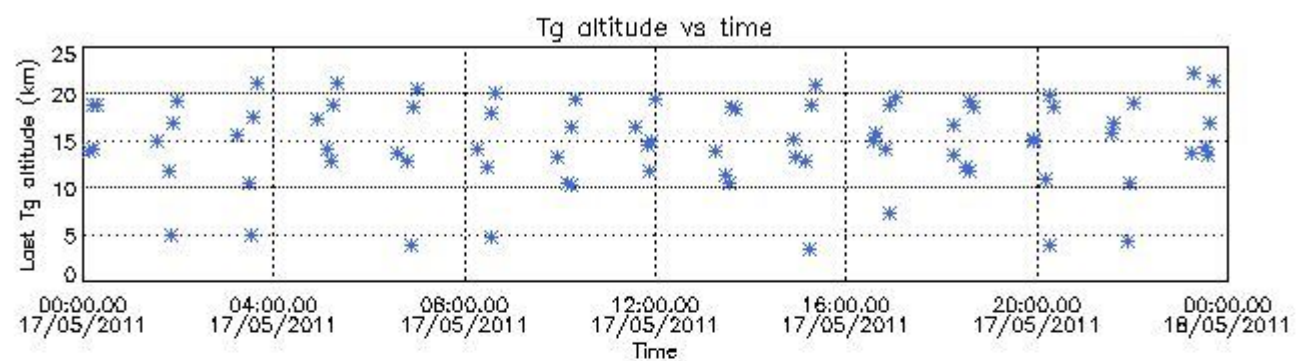
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.722	18.313	16.344
St. deviation:	4.5963	5.8230	1.8396
Maximum:	22.219	30.175	20.046
Minimum:	3.3211	3.8578	14.343
Number of data:	79.000	163.00	8.0000

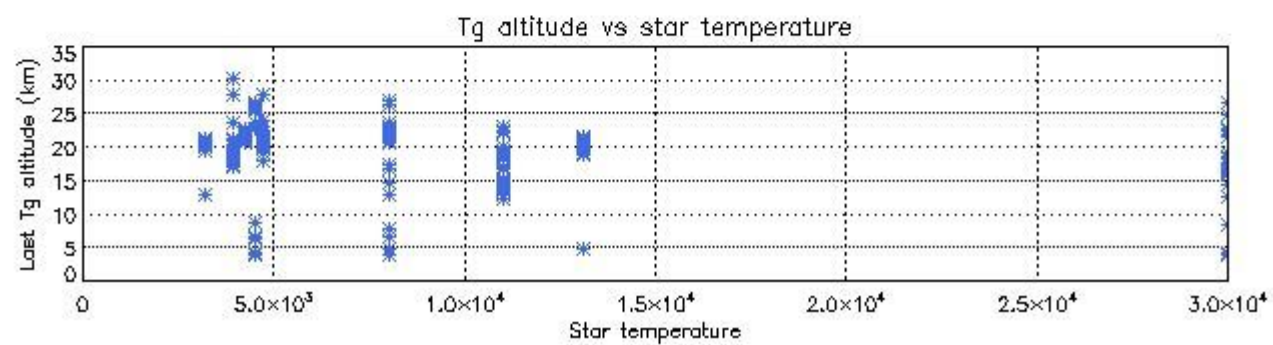
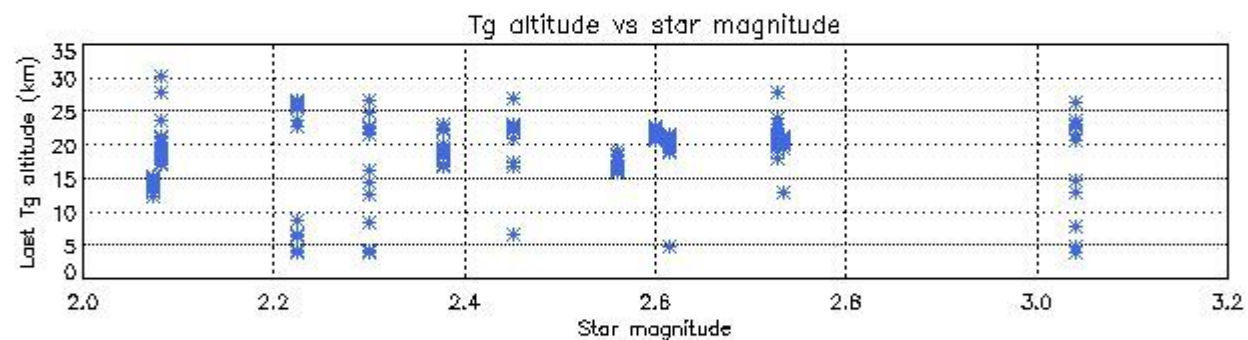
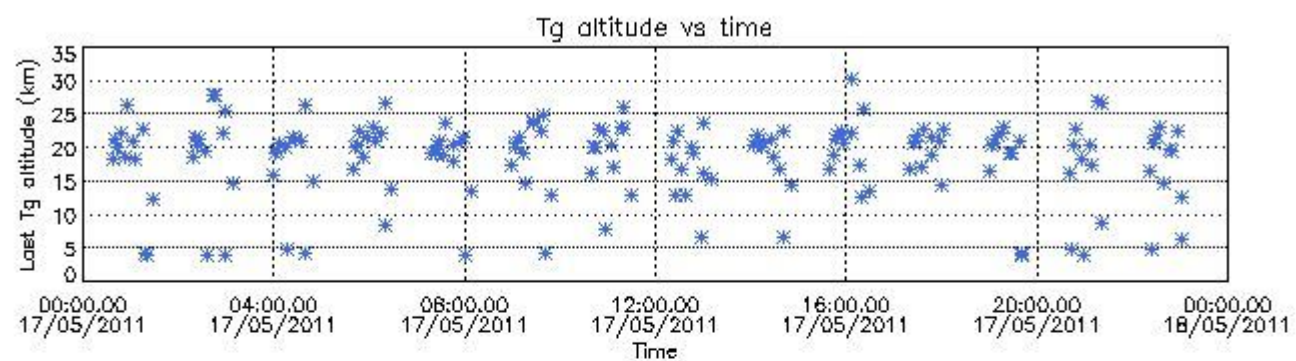
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



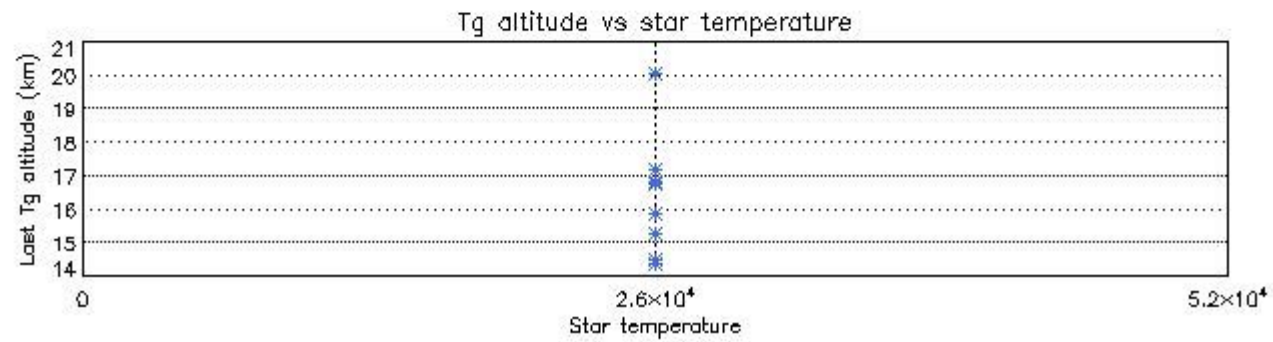
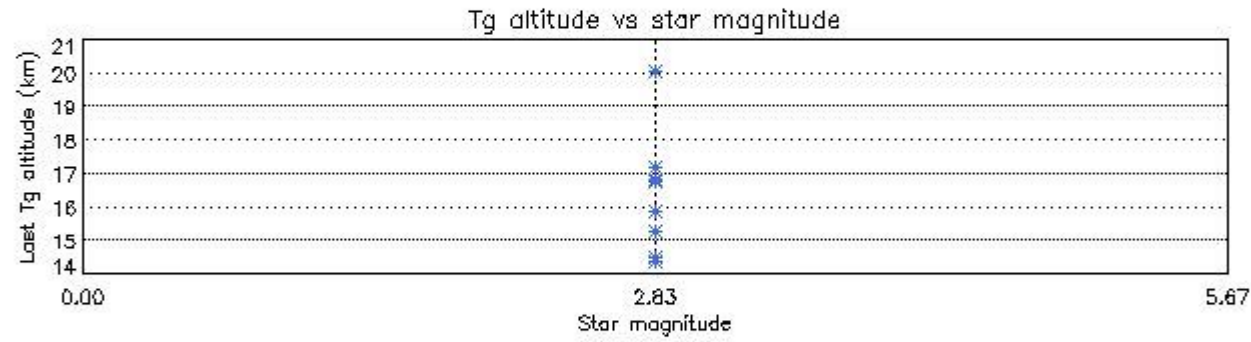
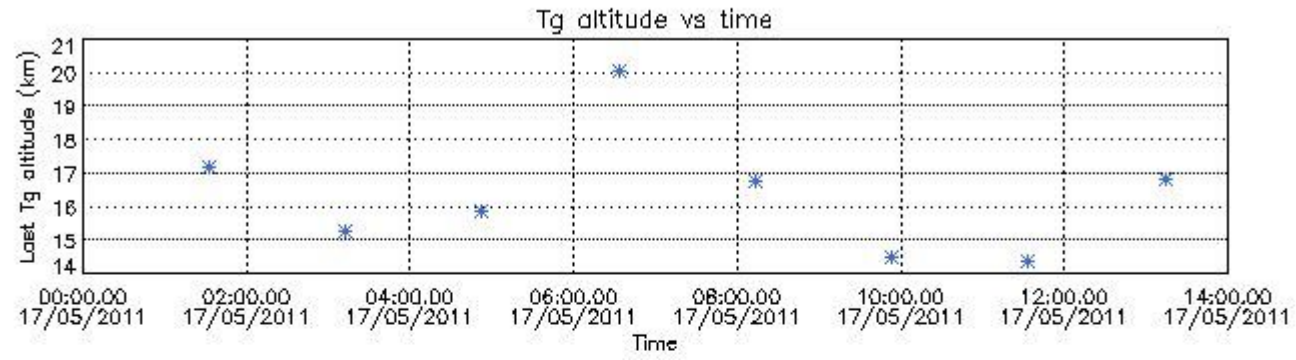
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

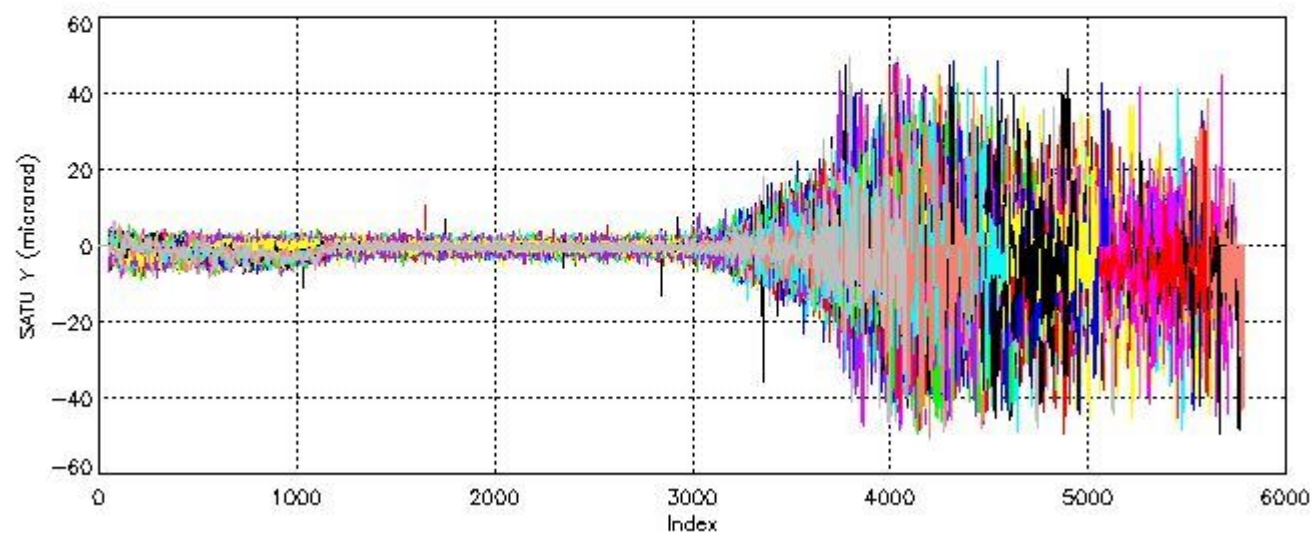
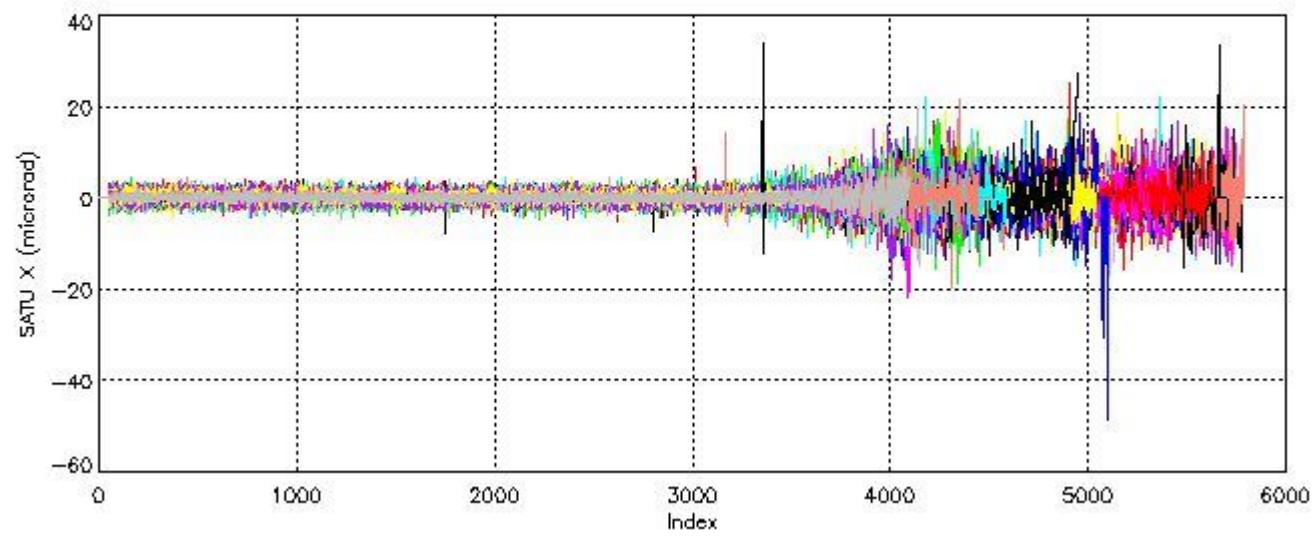


7. Star Acquisition and Tracking Unit (SATU)

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:	0.19570	-1.4840	0.22158	-1.7065
St. deviation:	0.55254	1.7240	0.76853	1.7855
Maximum:	4.3000	6.2000	6.7000	7.1000
Minimum:	-4.5000	-10.800	-5.5000	-10.500

Number of data:	82250.	82250.	1.5670E+05	1.5670E+05
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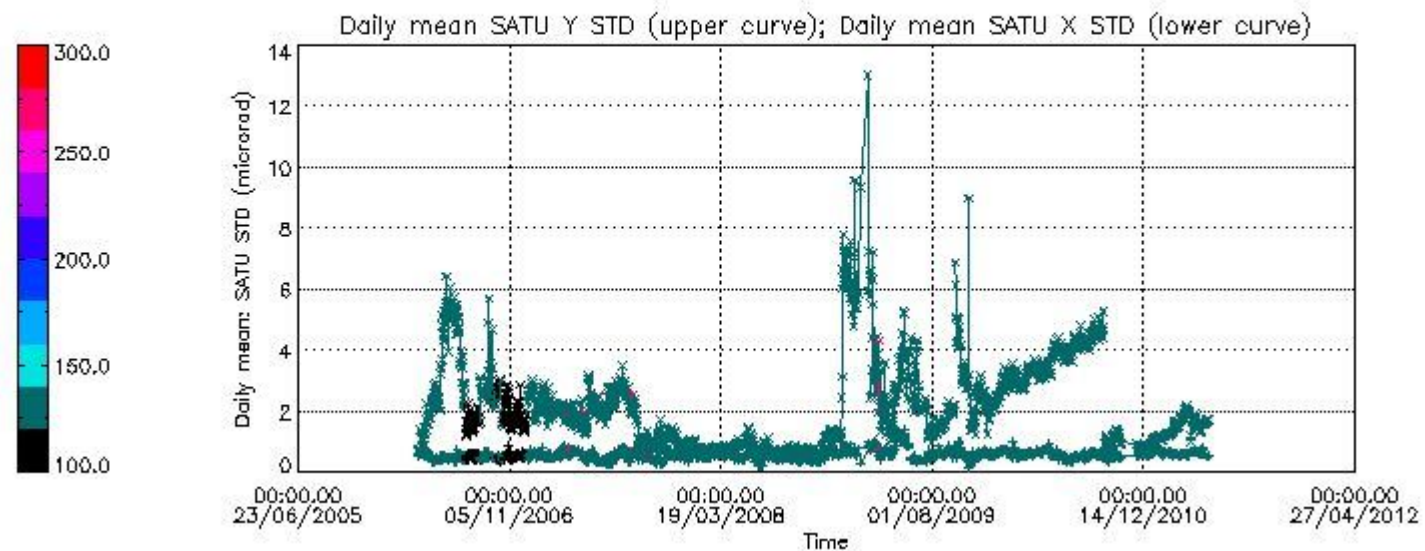
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

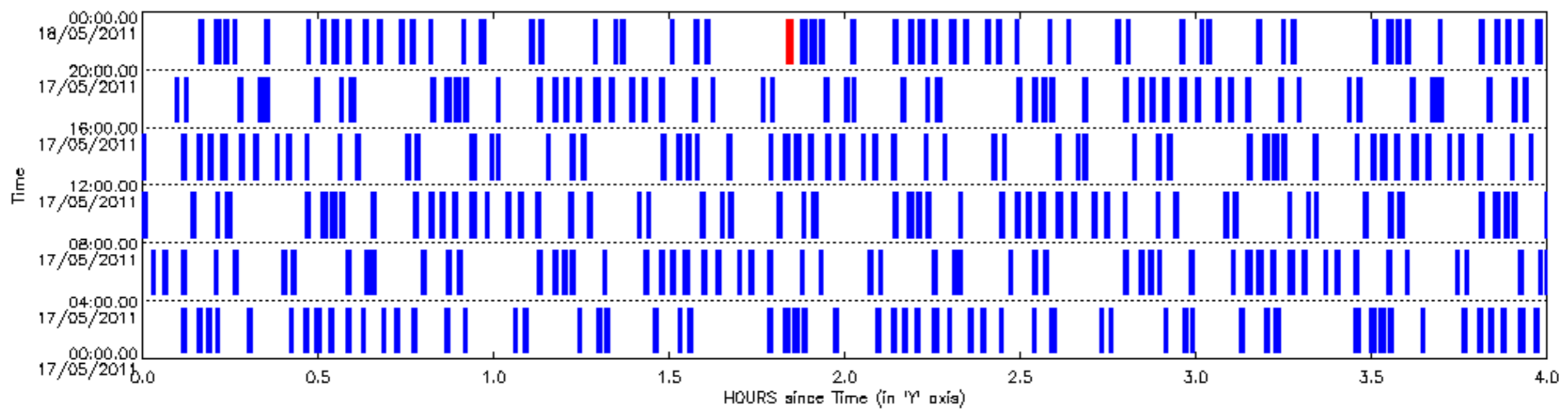


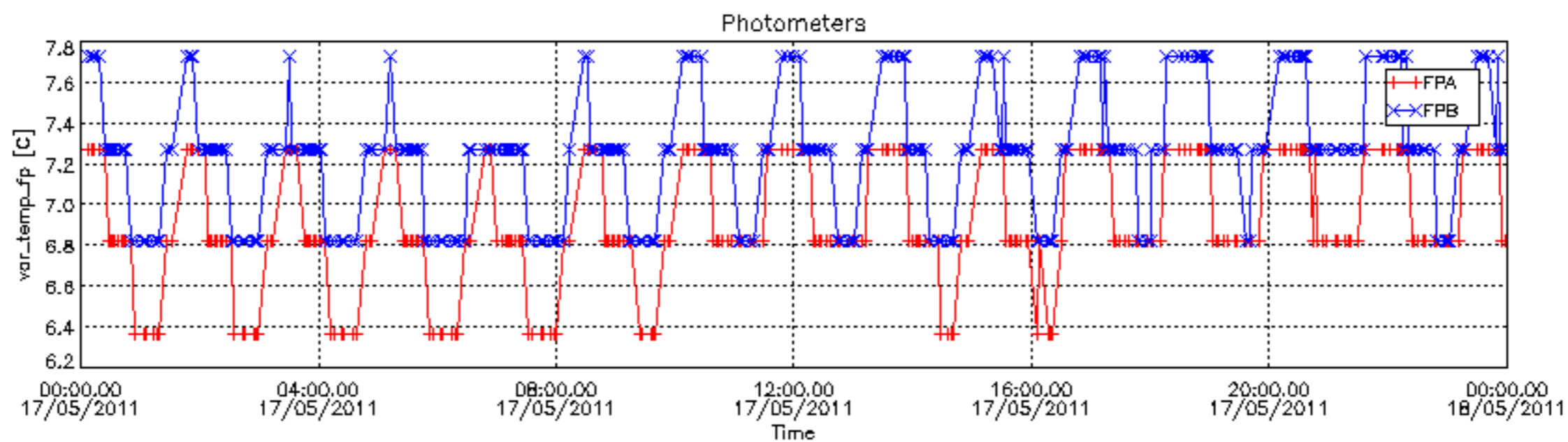
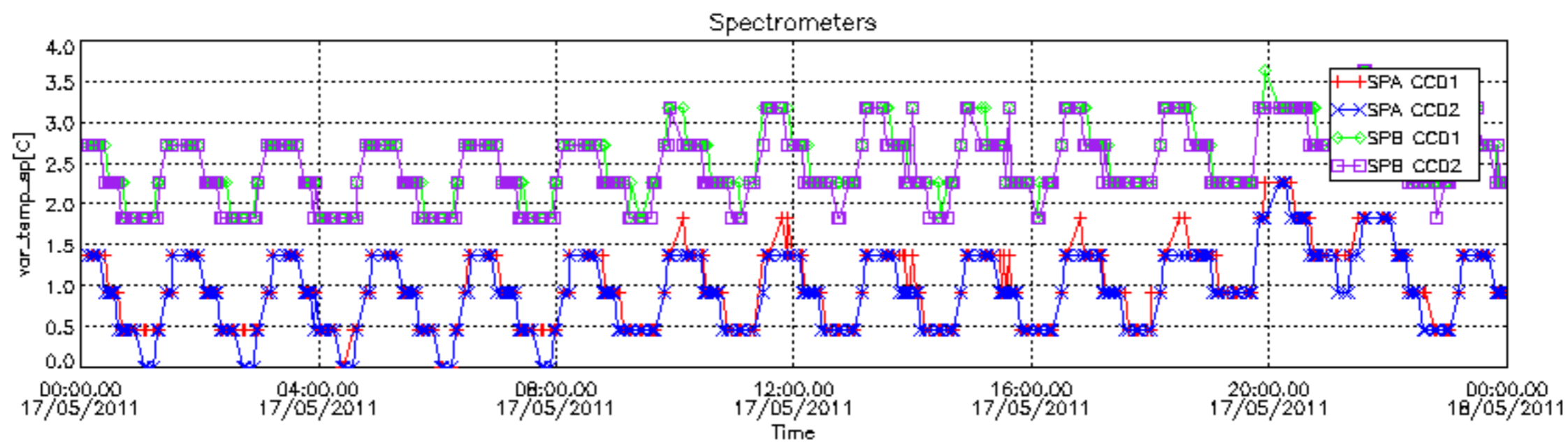
8. Auxiliary Data Files used for the production reported in section 2.4

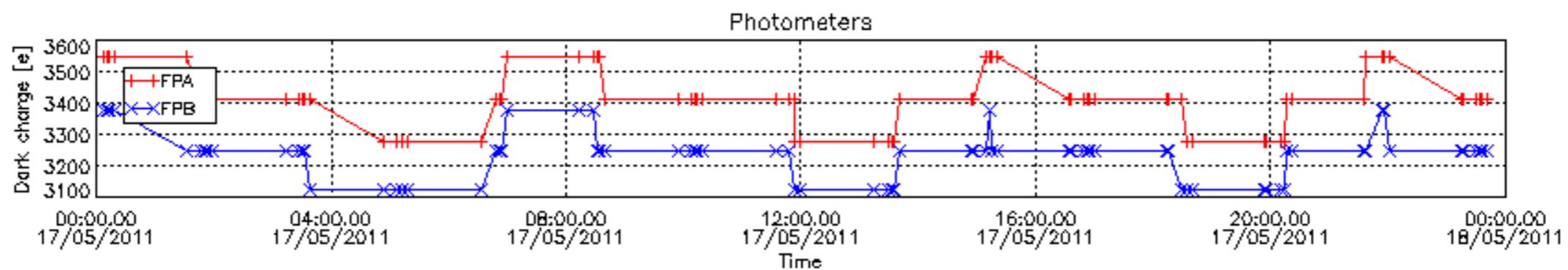
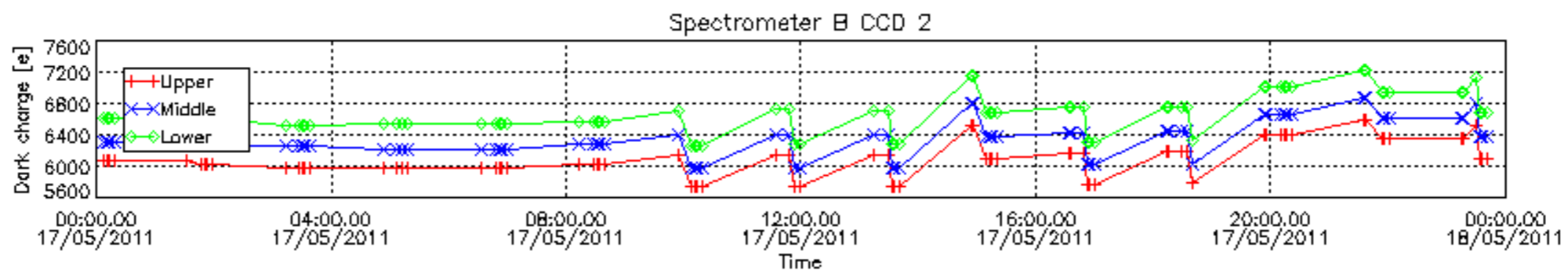
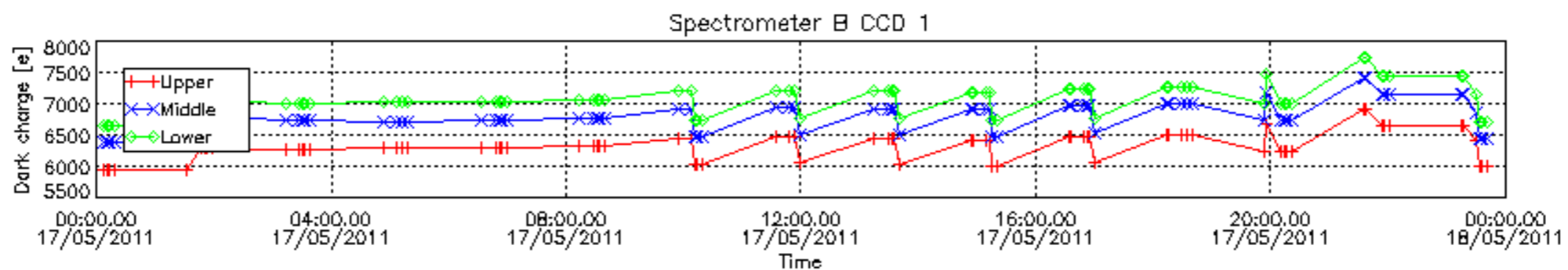
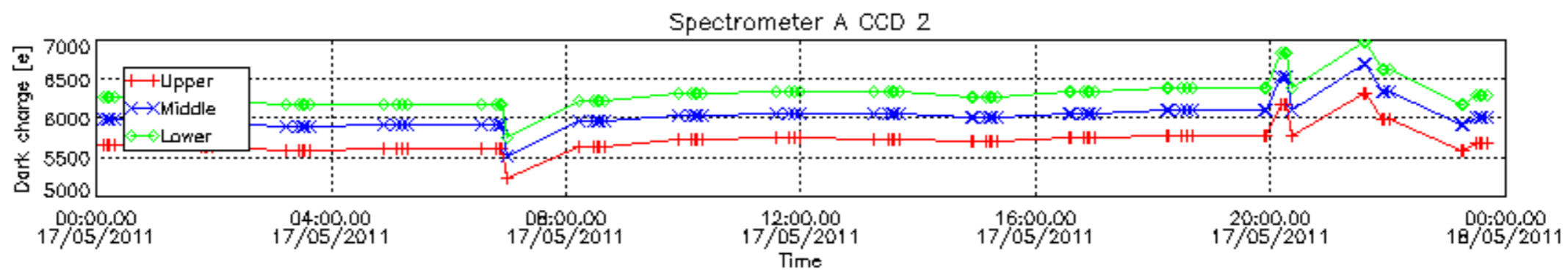
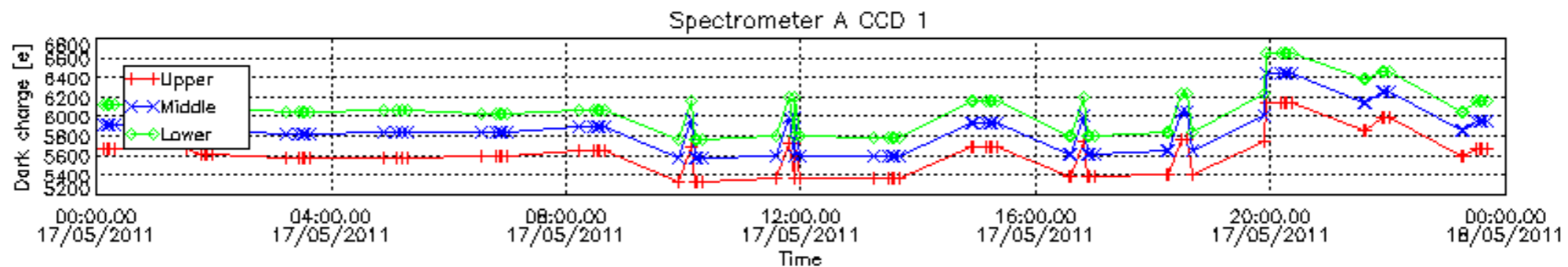
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

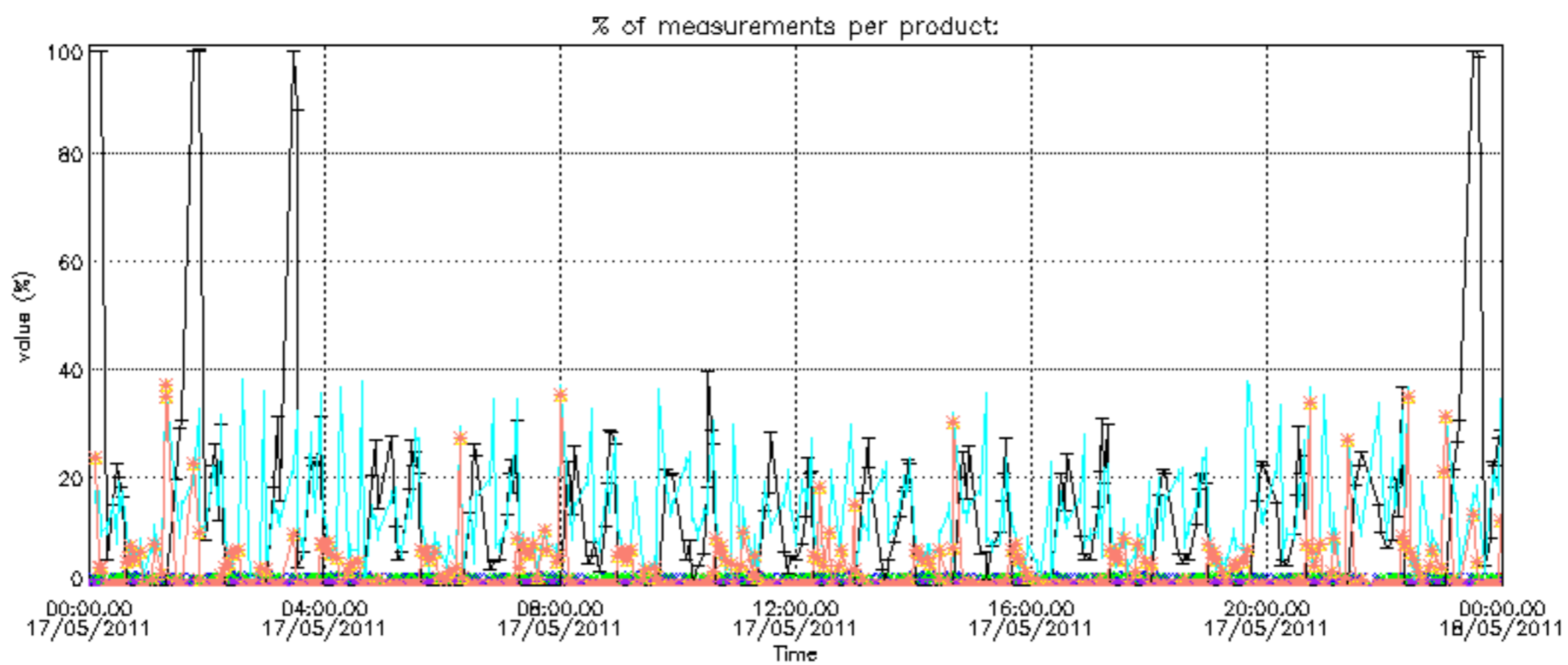
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	17-MAY-2011 00:06:36
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110513_090606_20110511_000000_20500101_000000	1	17-MAY-2011 00:06:36
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	17-MAY-2011 00:06:36
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	17-MAY-2011 00:06:36
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	17-MAY-2011 00:06:36
ECMWF_FILE	AUX_ECF_AXNECM20110516_062116_20110516_210000_20110517_090000	1	17-MAY-2011 00:06:36
ECMWF_FILE	AUX_ECF_AXNECM20110516_183659_20110517_030000_20110517_150000	64	17-MAY-2011 04:34:41
ECMWF_FILE	AUX_ECA_AXNECM20110517_063707_20110516_210000_20110517_090000	87	17-MAY-2011 06:14:55
ECMWF_FILE	AUX_ECF_AXNECM20110516_183659_20110517_030000_20110517_150000	103	17-MAY-2011 07:21:50
ECMWF_FILE	AUX_ECF_AXNECM20110517_063708_20110517_090000_20110517_210000	127	17-MAY-2011 09:04:05
ECMWF_FILE	AUX_ECF_AXNECM20110517_063708_20110517_150000_20110518_030000	216	17-MAY-2011 15:36:53
ECMWF_FILE	AUX_ECA_AXNECM20110517_180708_20110517_090000_20110517_210000	238	17-MAY-2011 17:14:07
ECMWF_FILE	AUX_ECF_AXNECM20110517_063708_20110517_150000_20110518_030000	282	17-MAY-2011 20:30:31
ECMWF_FILE	AUX_ECF_AXNECM20110517_063709_20110517_210000_20110518_090000	300	17-MAY-2011 21:54:03
OPTIONAL_ECMWF_FILE	MISSING	1	17-MAY-2011 00:06:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110516_235927_000054193102_00303_48162_6036.N1	1	17-MAY-2011 00:06:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110517_013506_000041443102_00304_48163_6037.N1	24	17-MAY-2011 01:46:50
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ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110517_043026_000057383102_00306_48165_6039.N1	64	17-MAY-2011 04:34:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110517_061123_000038263102_00307_48166_4601.N1	87	17-MAY-2011 06:14:55

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ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110517_103702_000057383102_00310_48169_4604.N1	149	17-MAY-2011 10:42:18
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110517_121759_000057383102_00311_48170_4605.N1	172	17-MAY-2011 12:22:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110517_135857_000054193102_00312_48171_4606.N1	194	17-MAY-2011 13:59:10
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110517_153435_000054193102_00313_48172_4607.N1	216	17-MAY-2011 15:36:53
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110517_171013_000057383102_00314_48173_4608.N1	238	17-MAY-2011 17:14:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110517_185110_000054193102_00315_48174_4609.N1	260	17-MAY-2011 18:52:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110517_202648_000041443102_00316_48175_6040.N1	282	17-MAY-2011 20:30:31
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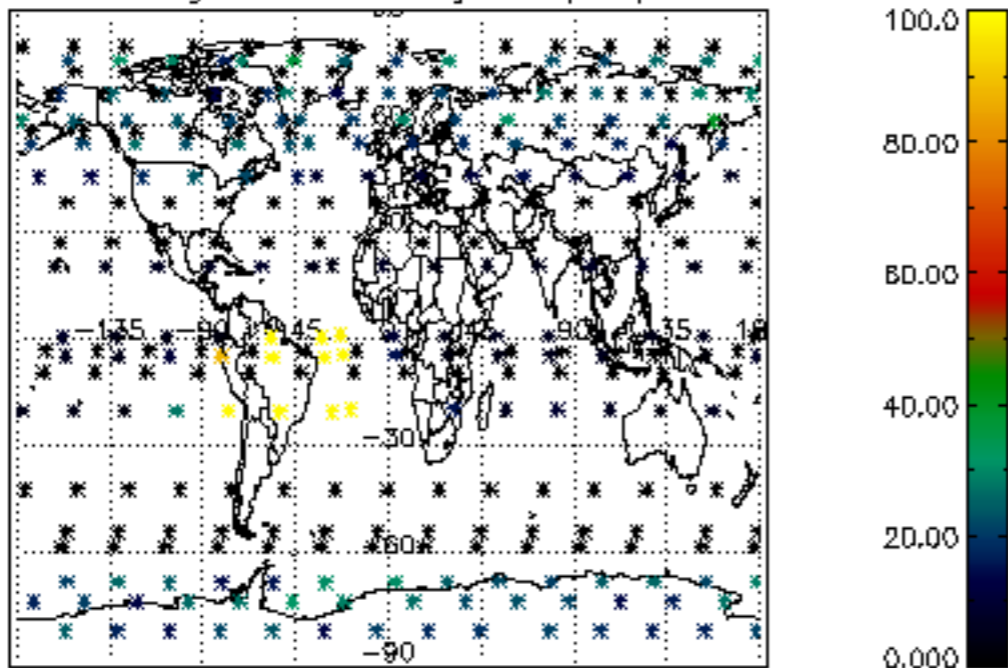




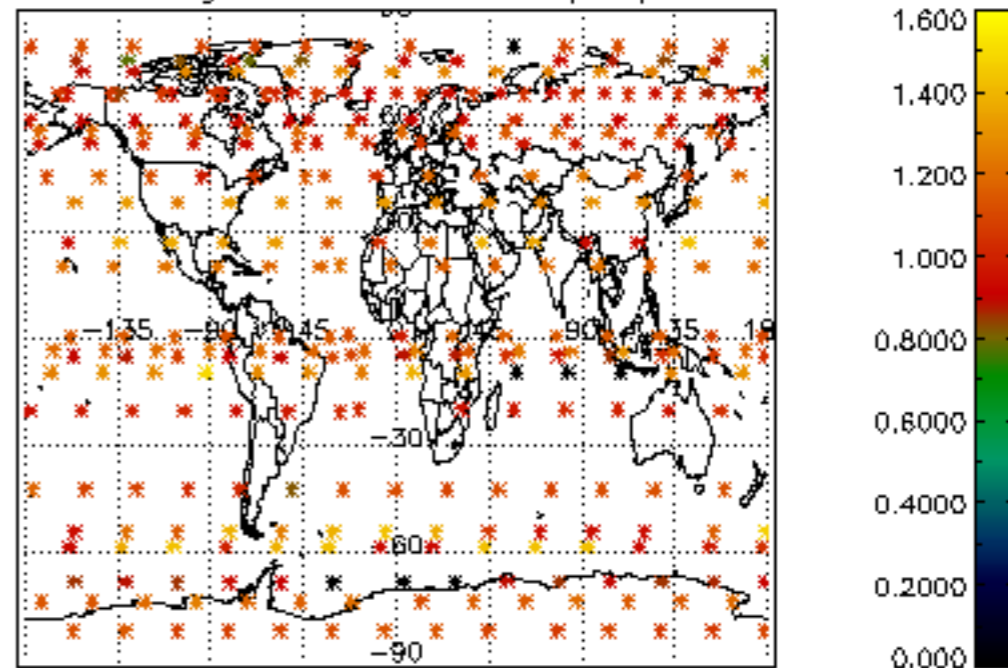




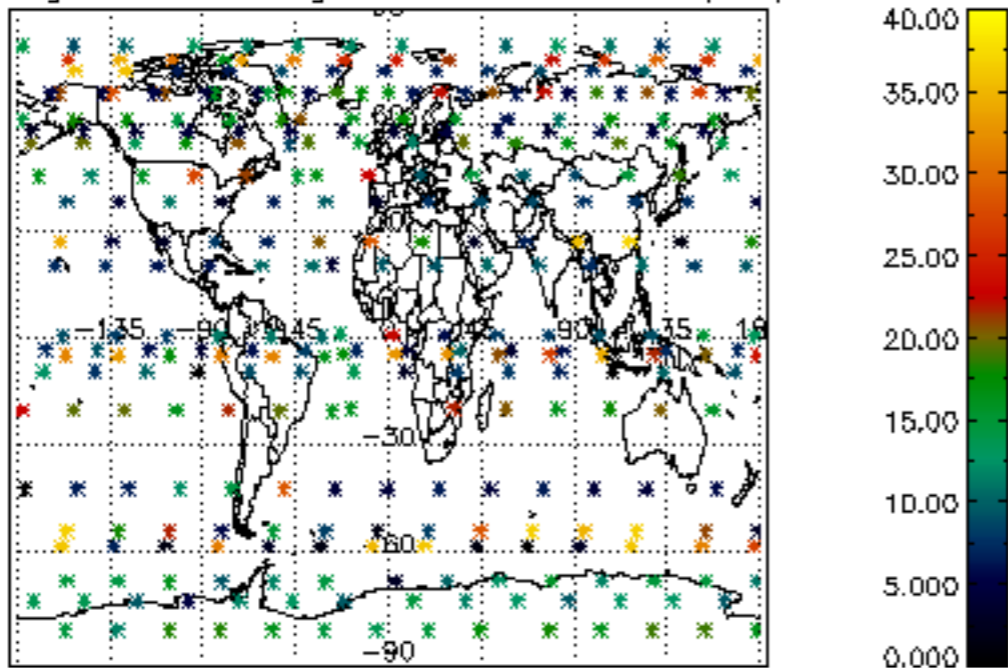
Percentage of cosmic ray hits per profile



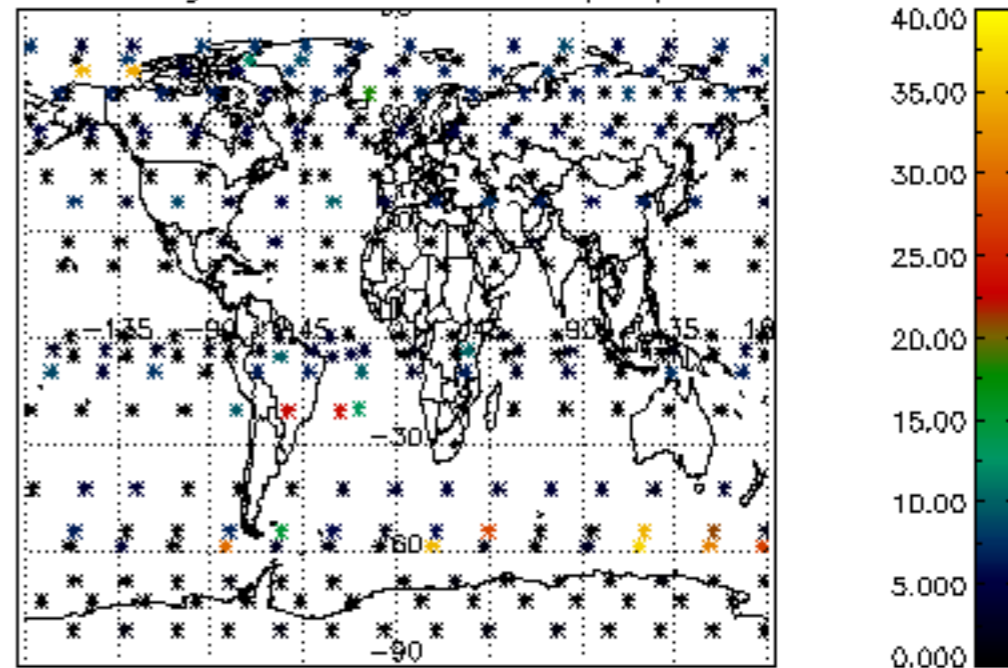
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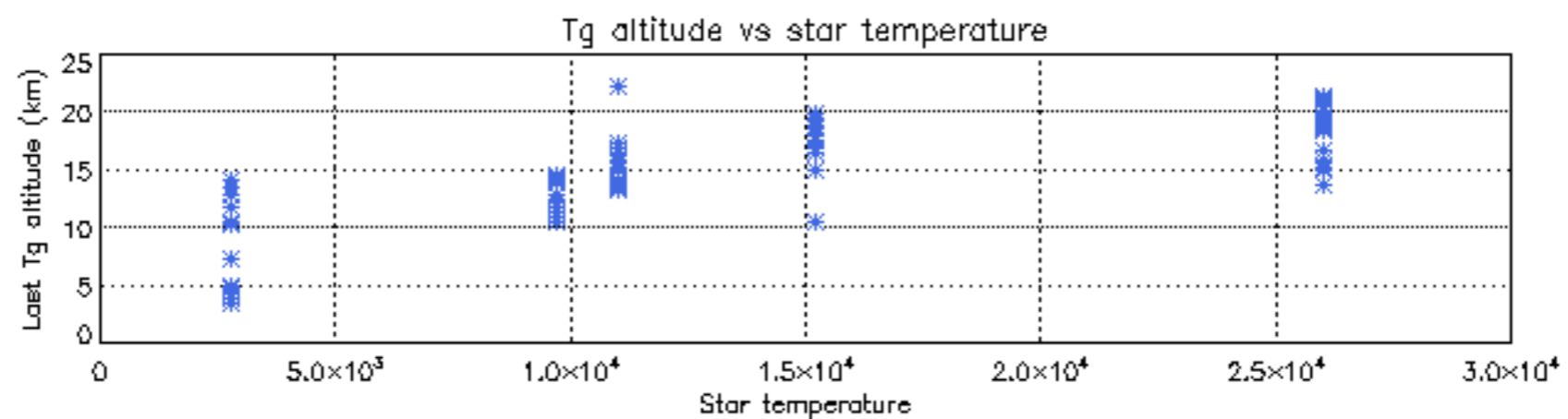
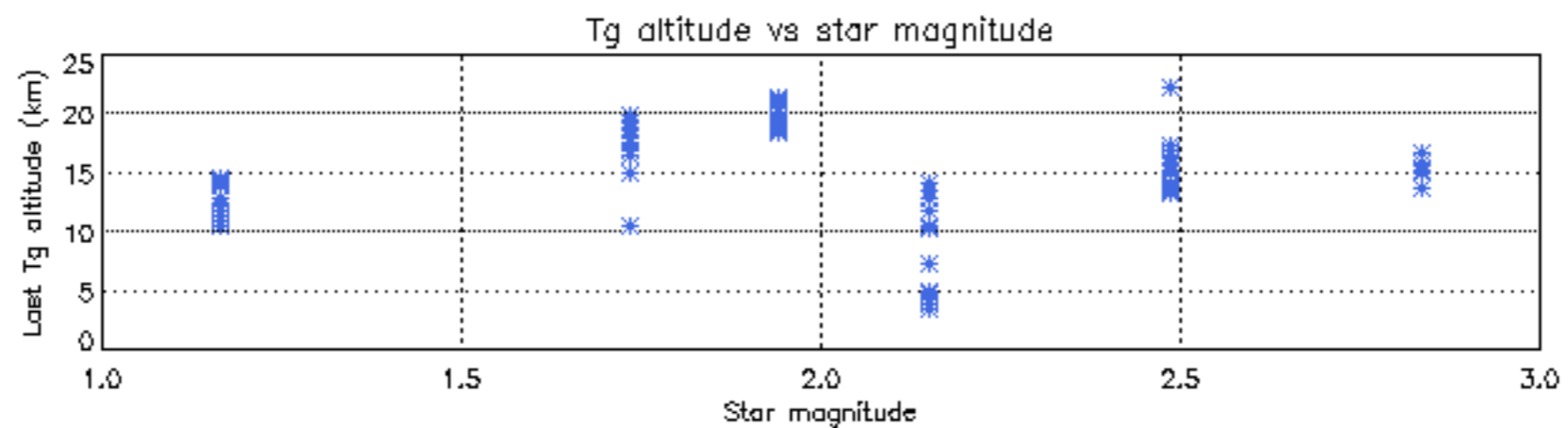
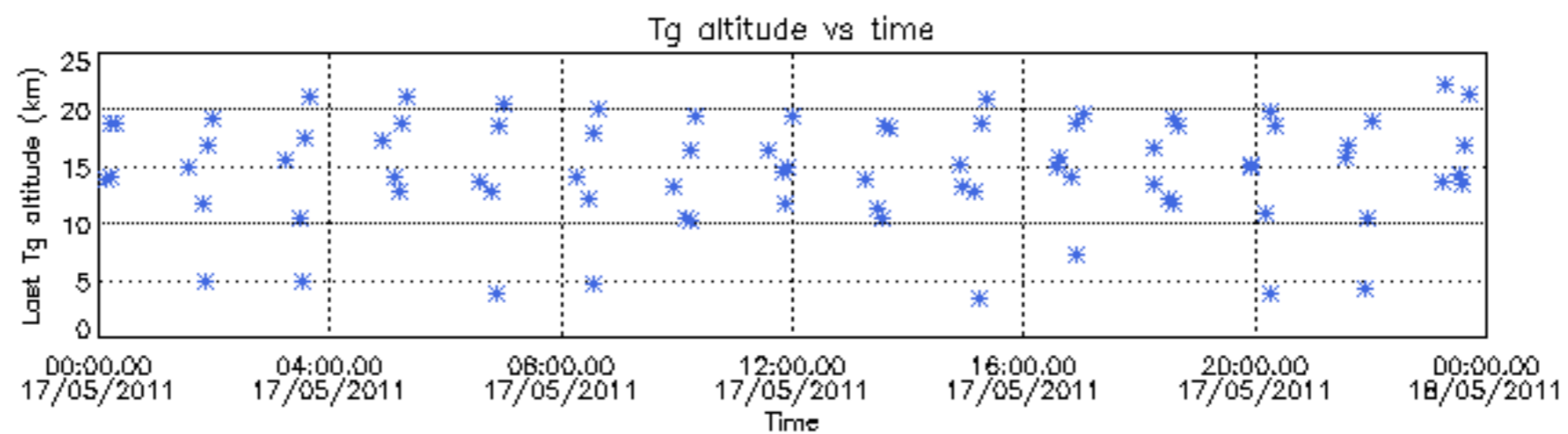
Percentage of star falling outside central band per profile



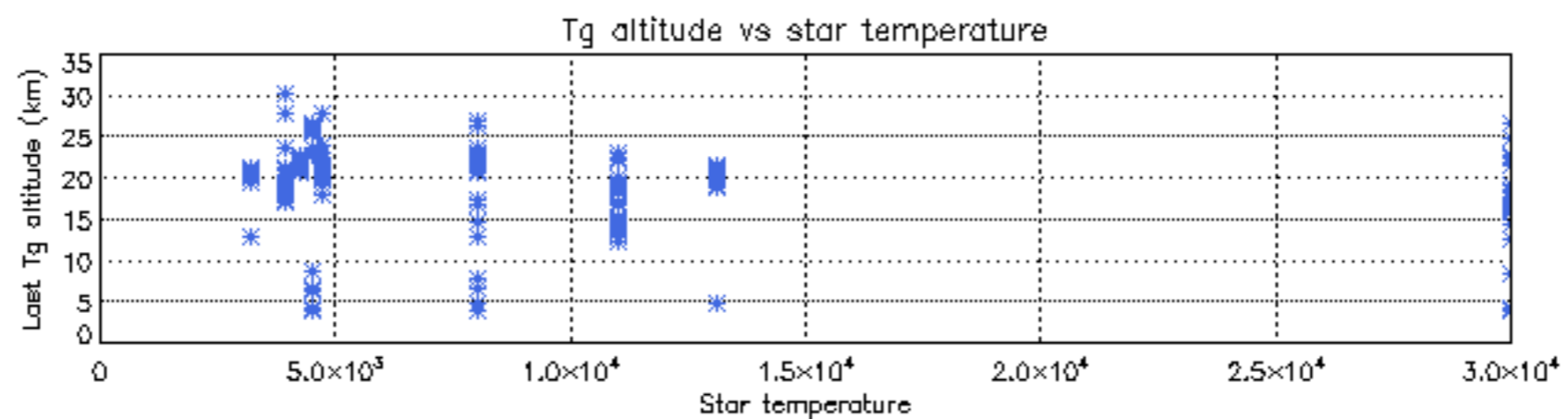
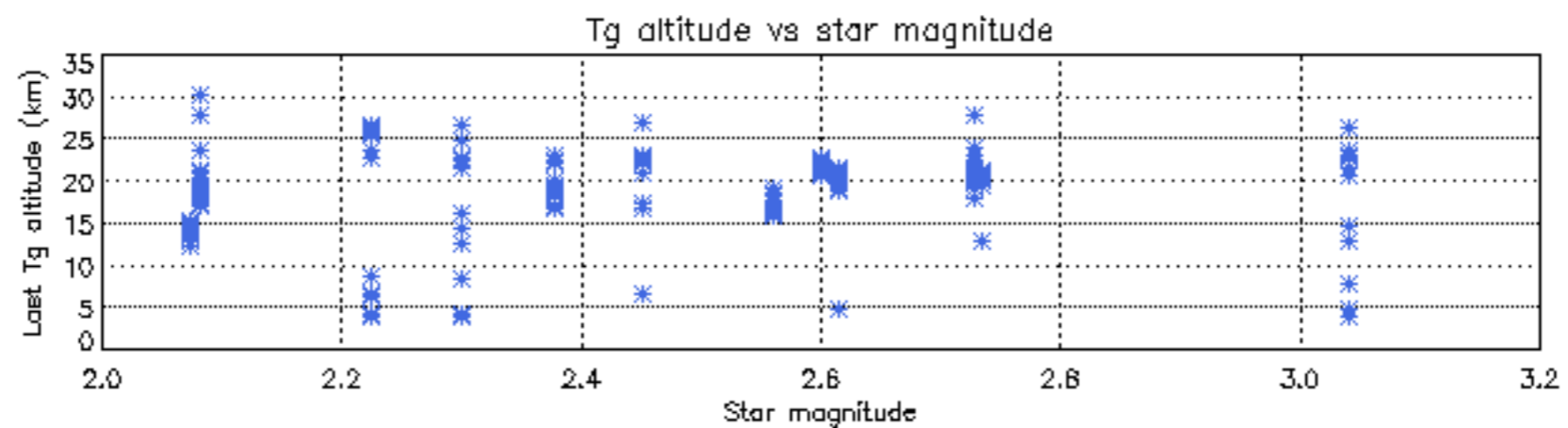
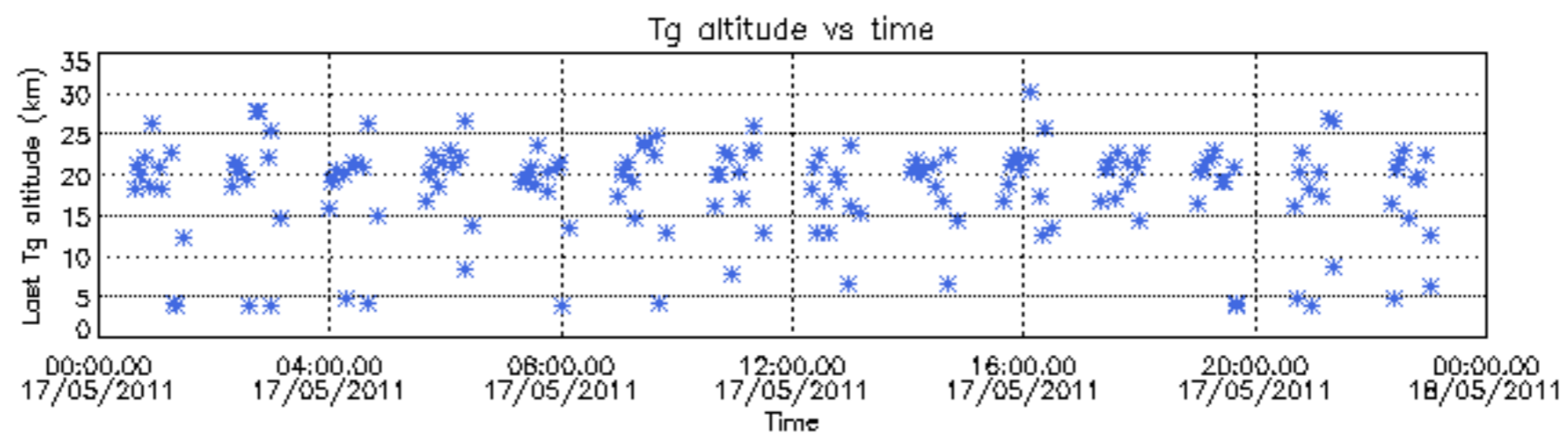
Percentage of saturation errors per profile



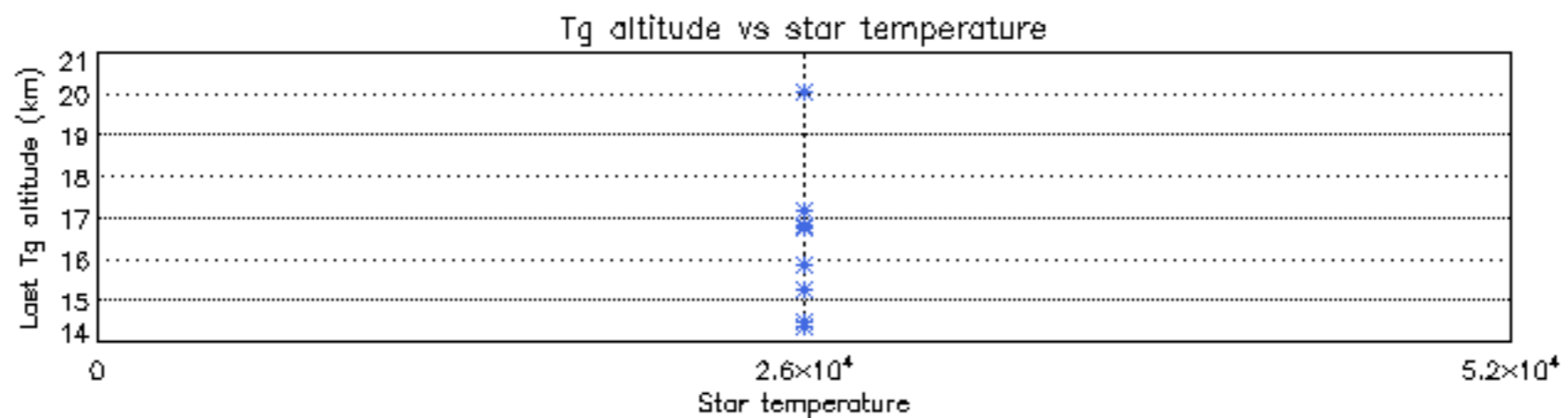
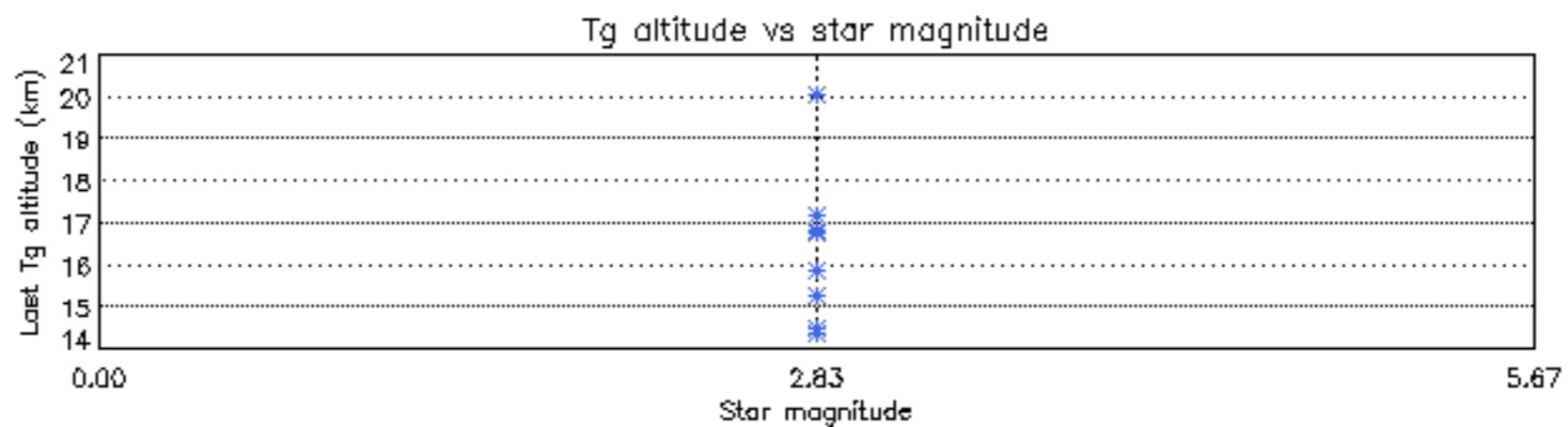
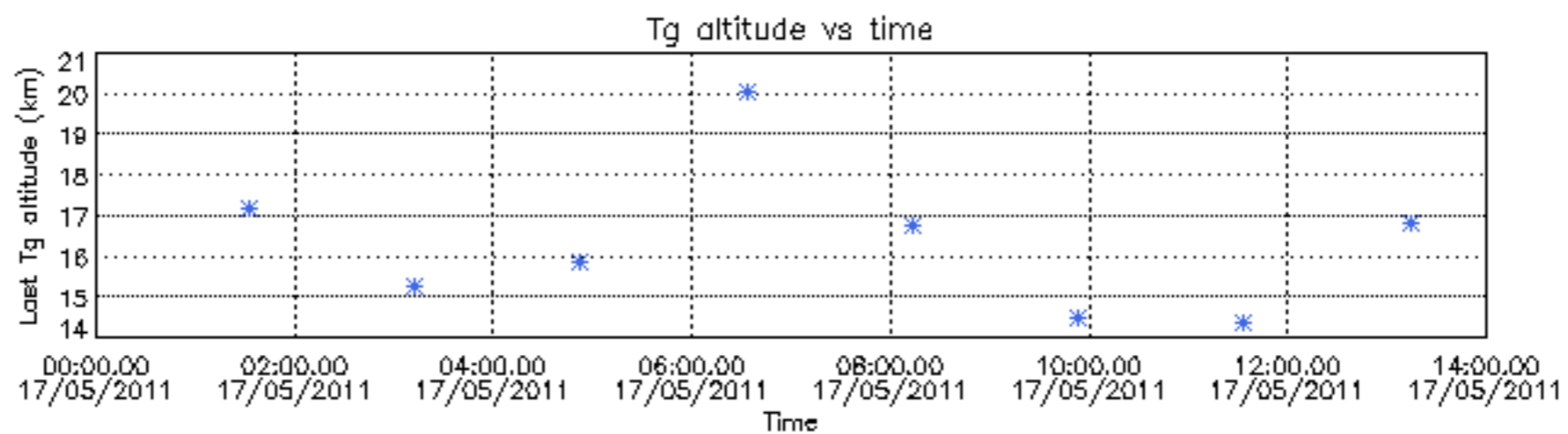
Tangent altitude at which the star is lost

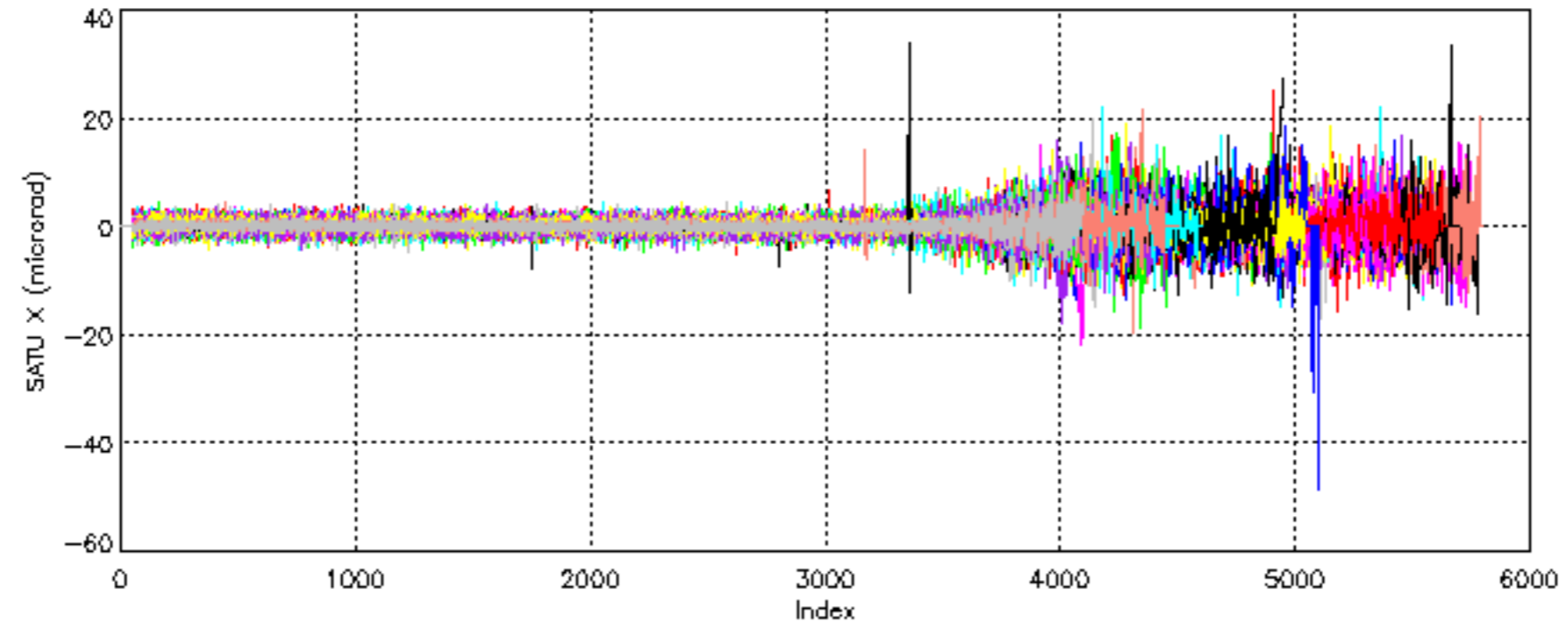


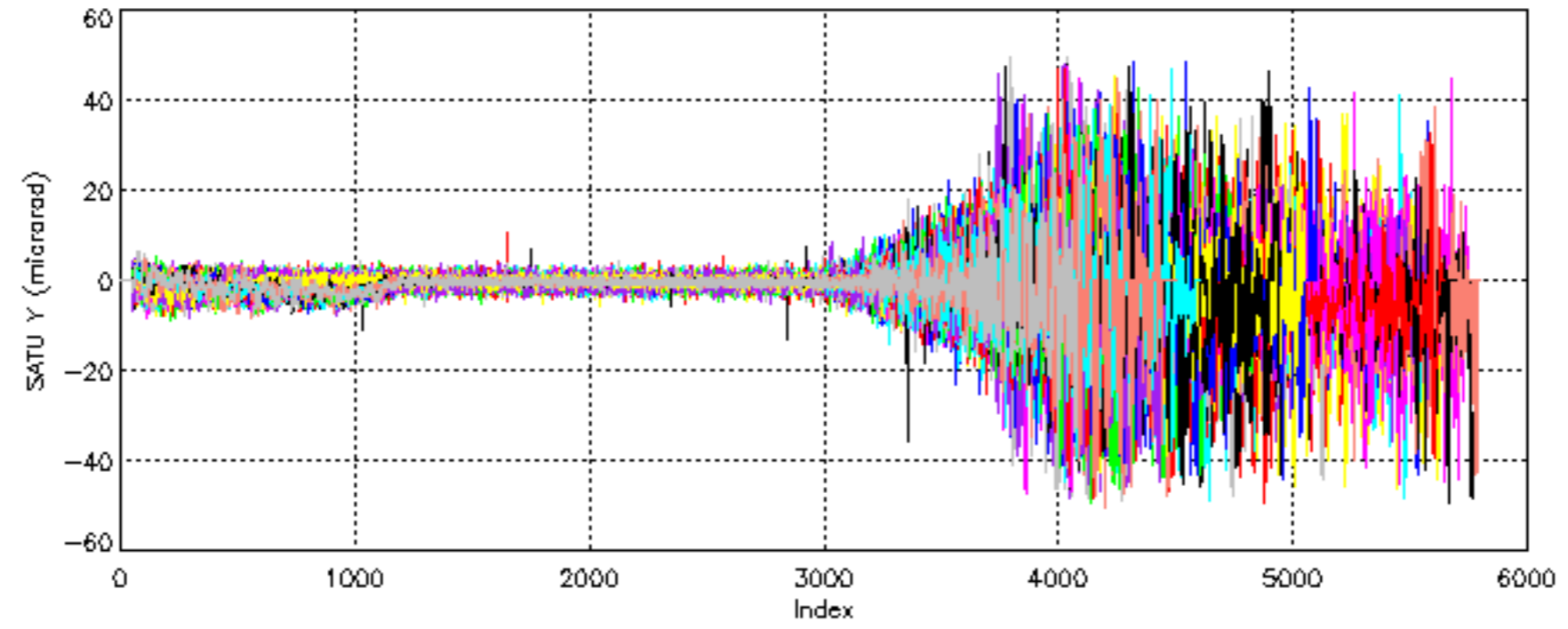
Tangent altitude at which the star is lost

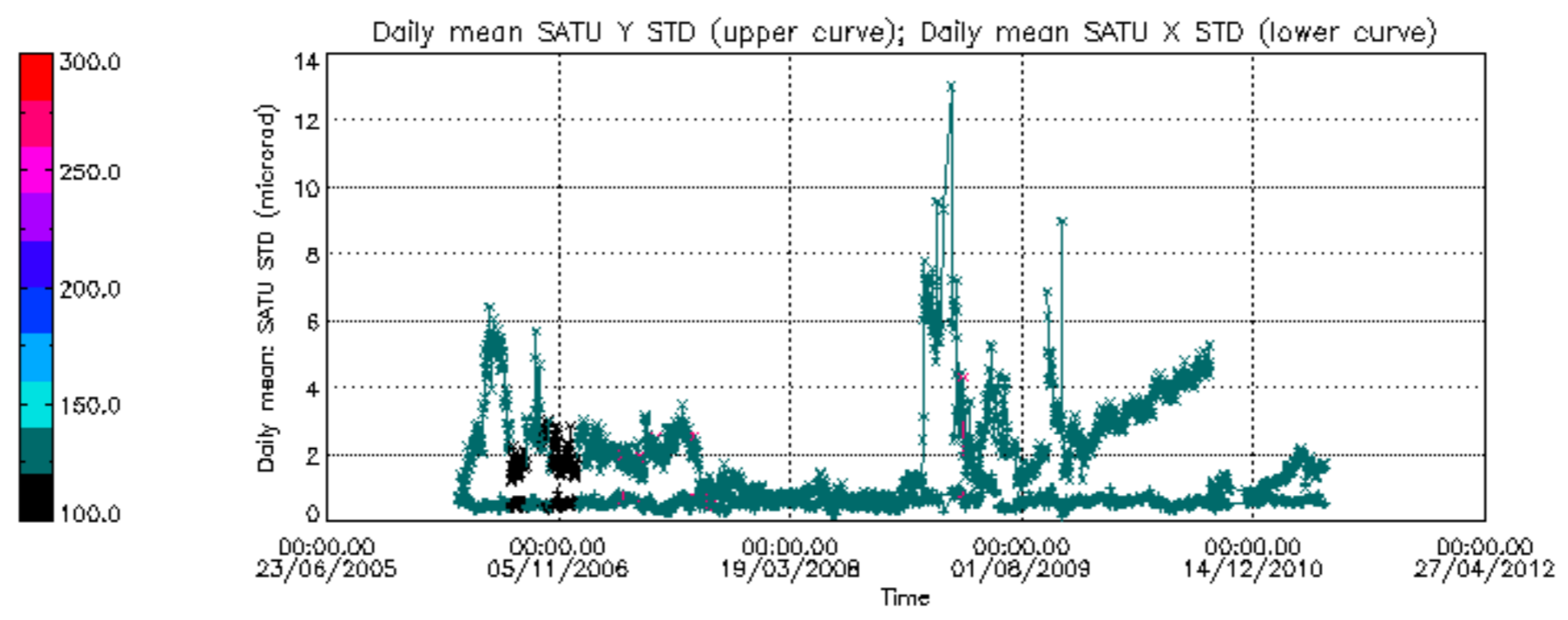


Tangent altitude at which the star is lost










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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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11; 1566.6; 22-MAY-2011 00:55:11; Bright; 54.5; 86; 35Eta Oph ; 2.43; 10200;occ; 109; 0;48235
12; 1688.9; 22-MAY-2011 00:57:13; Bright; 47.5; 98; 13Zet Oph ; 2.57; 30000;occ; 95; 0;48235
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22; 4771.8; 22-MAY-2011 01:48:36; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;48235
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 9; 1367.5; 22-MAY-2011 02:32:06; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;48236
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9; 1031.2; 31-MAY-2011 23:39:35; Dark ; 46.0; 40; The Sco ; 1.86; 7100;occ; 92; 0;48378
10; 1138.4; 31-MAY-2011 23:41:22; Dark ; 45.0; 25; 35Lam Sco ; 1.62; 28000;occ; 90; 0;48378
11; 1243.5; 31-MAY-2011 23:43:07; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;48378
12; 1364.7; 31-MAY-2011 23:45:08; Dark ; 41.0; 136; 23Tau Sco ; 2.82; 30000;occ; 82; 0;48378
13; 1488.6; 31-MAY-2011 23:47:12; Bright; 44.5; 80; 7Del Sco ; 2.32; 30000;occ; 89; 0;48378
14; 1580.2; 31-MAY-2011 23:48:44; Bright; 45.5; 86; 35Eta Oph ; 2.43; 10200;occ; 91; 0;48378
15; 1691.1; 31-MAY-2011 23:50:35; Bright; 42.0; 98; 13Zet Oph ; 2.57; 30000;occ; 84; 0;48378
16; 1821.9; 31-MAY-2011 23:52:46; Bright; 39.0; 120; 1Del Oph ; 2.73; 3200;occ; 78; 0;48378
17; 2001.9; 31-MAY-2011 23:55:46; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;48378
18; 2304.8; 01-JUN-2011 00:00:49; Bright; 42.5; 127; 27Bet Her ; 2.78; 4700;occ; 85; 0;48378
19; 2508.8; 01-JUN-2011 00:04:13; Bright; 43.5; 133; 40Zet Her ; 2.81; 6000;occ; 87; 0;48378
20; 2985.5; 01-JUN-2011 00:12:09; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;48378
21; 3602.7; 01-JUN-2011 00:22:26; Bright; 48.0; 89; 5Alp Cep ; 2.45; 8000;occ; 96; 0;48378
22; 3908.0; 01-JUN-2011 00:27:32; Bright; 52.5; 76; 27Gam Cas ; 2.30; 30000;occ; 105; 0;48378
23; 4372.9; 01-JUN-2011 00:35:17; Bright; 48.5; 53; 43Bet And ; 2.05; 3300;occ; 97; 0;48378
24; 4533.7; 01-JUN-2011 00:37:57; Dark ; 53.0; 58; 21Alp And ; 2.07; 11000;occ; 106; 0;48378
25; 4832.4; 01-JUN-2011 00:42:56; Dark ; 50.5; 140; 88Gam Peg ; 2.83; 26000;occ; 101; 0;48378
26; 5269.1; 01-JUN-2011 00:50:13; Dark ; 50.0; 0; ; 0.00; 0;occ; 100; 0;48378

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