

GOMOS Daily Report 24-APR-2010

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	27APR2010 04:50:09
Data source version	GOMOS/5.00L04
Start time of products	24APR2010 00:00:29
Stop time of products	24APR2010 23:56:32
Store outputs in DB	Yes
Nb of level 1b prods	139
Nb of prods with errors	1

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

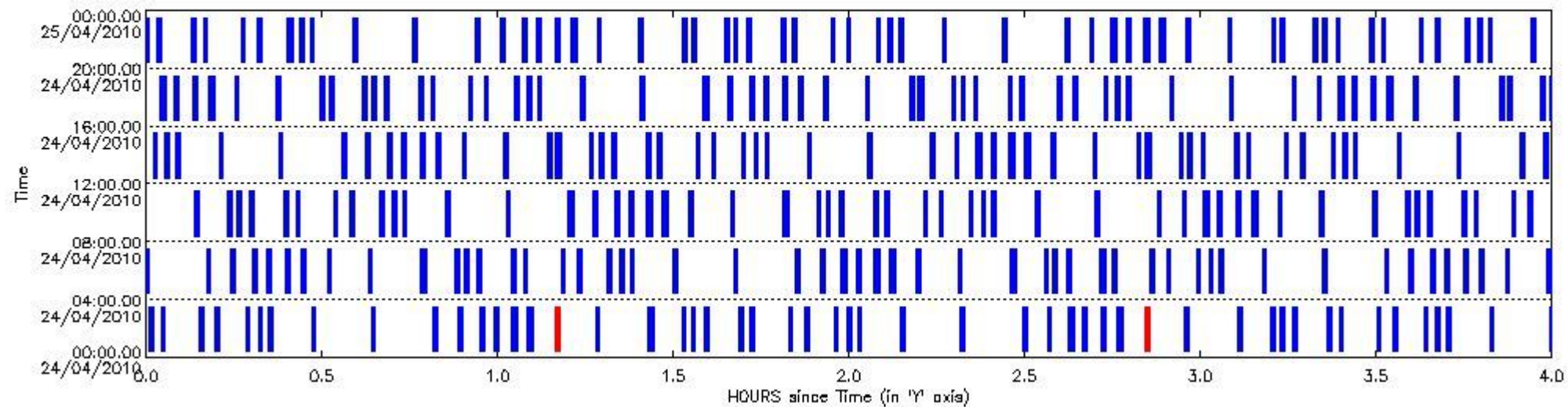
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
24-APR-2010 01:09:47	GamGru	172	42598
24-APR-2010 02:50:24	GamGru	172	42599

2.4 Summary of processed GOM_TRA_1P products

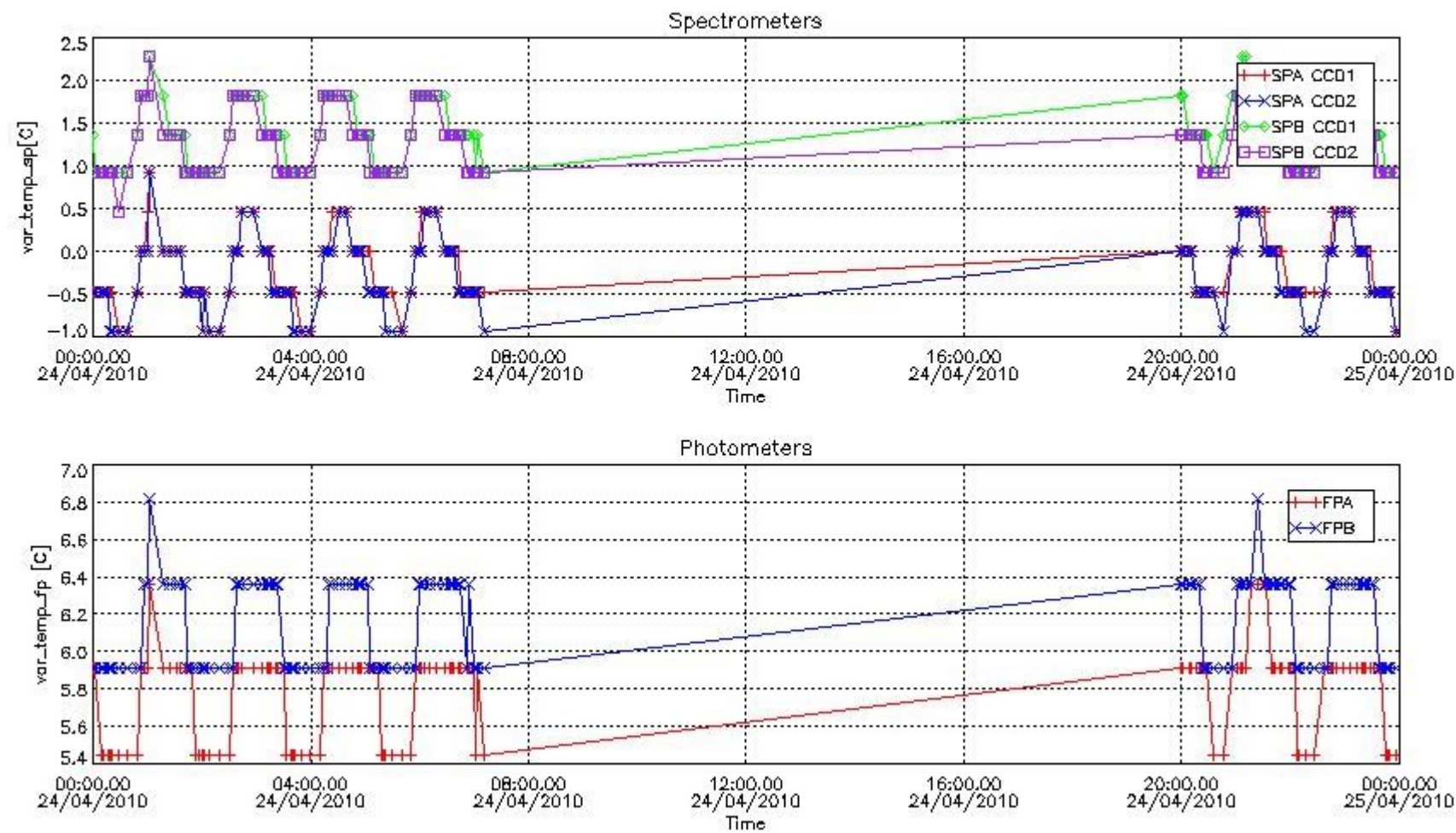
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100424_000029_000000502088_00460_42598_6272.N1	24-APR-2010 00:00:29	Bright	49.500	122	9Alp2Lib	2.7470	9700.0	99	42598	No
2	GOM_TRA_1PNPDE20100424_000231_000000422088_00460_42598_6273.N1	24-APR-2010 00:02:31	Bright	41.500	15	67Alp Vir	0.97600	28000.	83	42598	No
3	GOM_TRA_1PNPDE20100424_000903_000000382088_00460_42598_6274.N1	24-APR-2010 00:09:03	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	42598	No
4	GOM_TRA_1PNPDE20100424_001148_000000422088_00460_42598_6275.N1	24-APR-2010 00:11:48	Bright	41.500	111	8Eta Boo	2.6800	6000.0	83	42598	No
5	GOM_TRA_1PNPDE20100424_001656_000000362088_00460_42598_6276.N1	24-APR-2010 00:16:56	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	42598	No
6	GOM_TRA_1PNPDE20100424_001903_000000452088_00460_42598_6277.N1	24-APR-2010 00:19:03	Bright	45.000	180	27Gam Boo	3.0400	8000.0	90	42598	No
7	GOM_TRA_1PNPDE20100424_002050_000000412088_00460_42598_6278.N1	24-APR-2010 00:20:50	Bright	41.000	39	85Eta UMa	1.8540	24000.	82	42598	No
8	GOM_TRA_1PNPDE20100424_002812_000000392088_00460_42598_6279.N1	24-APR-2010 00:28:12	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	42598	No
9	GOM_TRA_1PNPDE20100424_003825_000000392088_00460_42598_6280.N1	24-APR-2010 00:38:25	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	42598	No

10	GOM_TRA_1PNPDE20100424_004902_000000412088_00460_42598_6281.N1	24-APR-2010 00:49:02	Bright	41.000	164	44Eta Peg	2.9480	5400.0	82	42598	No
11	GOM_TRA_1PNPDE20100424_005314_000000422088_00460_42598_6282.N1	24-APR-2010 00:53:14	Tw_i_and_stray	41.500	90	54Alp Peg	2.4870	11000.	83	42598	No
12	GOM_TRA_1PNPDE20100424_005649_000000582088_00460_42598_6283.N1	24-APR-2010 00:56:49	Dark	57.500	61	8Eps Peg	2.1000	3900.0	115	42598	No
13	GOM_TRA_1PNPDE20100424_005917_000000512088_00460_42598_6284.N1	24-APR-2010 00:59:17	Dark	51.000	162	34Alp Aqr	2.9440	5350.0	102	42598	No
14	GOM_TRA_1PNPDE20100424_010224_000000522088_00460_42598_6303.N1	24-APR-2010 01:02:24	Dark	51.500	154	22Bet Aqr	2.8990	5700.0	103	42598	Yes
15	GOM_TRA_1PNPDE20100424_011643_000000412088_00461_42599_6304.N1	24-APR-2010 01:16:43	Dark	41.000	45	Alp Pav	1.9400	26000.	82	42599	No
16	GOM_TRA_1PNPDE20100424_012537_000000602088_00461_42599_6305.N1	24-APR-2010 01:25:37	Straylight	60.000	40	The Sco	1.8590	7100.0	120	42599	No
17	GOM_TRA_1PNPDE20100424_013127_000000402088_00461_42599_6306.N1	24-APR-2010 01:31:27	Straylight	40.000	78	Alp Lup	2.3040	28000.	80	42599	No
18	GOM_TRA_1PNPDE20100424_013302_000000422088_00461_42599_6307.N1	24-APR-2010 01:33:02	Straylight	41.500	81	Eta Cen	2.3560	28000.	83	42599	No
19	GOM_TRA_1PNPDE20100424_013514_000000432088_00461_42599_6308.N1	24-APR-2010 01:35:14	Straylight	43.000	54	5The Cen	2.0550	4500.0	86	42599	No
20	GOM_TRA_1PNPDE20100424_014105_000000512088_00461_42599_6309.N1	24-APR-2010 01:41:05	Bright	51.000	122	9Alp2Lib	2.7470	9700.0	102	42599	No
21	GOM_TRA_1PNPDE20100424_014307_000000412088_00461_42599_6310.N1	24-APR-2010 01:43:07	Bright	41.000	15	67Alp Vir	0.97600	28000.	82	42599	No
22	GOM_TRA_1PNPDE20100424_014939_000000372088_00461_42599_6311.N1	24-APR-2010 01:49:39	Bright	37.000	138	47Eps Vir	2.8280	4700.0	74	42599	No
23	GOM_TRA_1PNPDE20100424_015223_000000432088_00461_42599_6312.N1	24-APR-2010 01:52:23	Bright	43.000	111	8Eta Boo	2.6800	6000.0	86	42599	No
24	GOM_TRA_1PNPDE20100424_015732_000000372088_00461_42599_6313.N1	24-APR-2010 01:57:32	Bright	37.000	152	12Alp2CVn	2.8900	11000.	74	42599	No
25	GOM_TRA_1PNPDE20100424_015938_000000452088_00461_42599_6314.N1	24-APR-2010 01:59:38	Bright	44.500	180	27Gam Boo	3.0400	8000.0	89	42599	No
26	GOM_TRA_1PNPDE20100424_020125_000000392088_00461_42599_6315.N1	24-APR-2010 02:01:25	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	42599	No
27	GOM_TRA_1PNPDE20100424_020848_000000512088_00461_42599_6316.N1	24-APR-2010 02:08:48	Bright	50.500	60	7Bet UMi	2.0810	3950.0	101	42599	No
28	GOM_TRA_1PNPDE20100424_021901_000000422088_00461_42599_6317.N1	24-APR-2010 02:19:01	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	42599	No
29	GOM_TRA_1PNPDE20100424_022938_000000412088_00461_42599_6318.N1	24-APR-2010 02:29:38	Bright	41.000	164	44Eta Peg	2.9480	5400.0	82	42599	No
30	GOM_TRA_1PNPDE20100424_023351_000000422088_00461_42599_6319.N1	24-APR-2010 02:33:51	Tw_i_and_stray	42.000	90	54Alp Peg	2.4870	11000.	84	42599	No
31	GOM_TRA_1PNPDE20100424_023726_000000562088_00461_42599_6320.N1	24-APR-2010 02:37:26	Dark	56.000	61	8Eps Peg	2.1000	3900.0	112	42599	No
32	GOM_TRA_1PNPDE20100424_023954_000000462088_00461_42599_6321.N1	24-APR-2010 02:39:54	Dark	46.000	162	34Alp Aqr	2.9440	5350.0	92	42599	No
33	GOM_TRA_1PNPDE20100424_024301_000000562088_00461_42599_6322.N1	24-APR-2010 02:43:01	Dark	55.500	154	22Bet Aqr	2.8990	5700.0	111	42599	No
34	GOM_TRA_1PNPDE20100424_025720_000000422088_00462_42600_6323.N1	24-APR-2010 02:57:20	Dark	41.500	45	Alp Pav	1.9400	26000.	83	42600	No
35	GOM_TRA_1PNPDE20100424_030614_000000522088_00462_42600_6324.N1	24-APR-2010 03:06:14	Straylight	51.500	40	The Sco	1.8590	7100.0	103	42600	No
36	GOM_TRA_1PNPDE20100424_031204_000000432088_00462_42600_6325.N1	24-APR-2010 03:12:04	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	42600	No
37	GOM_TRA_1PNPDE20100424_031338_000000432088_00462_42600_6326.N1	24-APR-2010 03:13:38	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	42600	No
38	GOM_TRA_1PNPDE20100424_031550_000000482088_00462_42600_6327.N1	24-APR-2010 03:15:50	Straylight	47.500	54	5The Cen	2.0550	4500.0	95	42600	No
39	GOM_TRA_1PNPDE20100424_032142_000000512088_00462_42600_6328.N1	24-APR-2010 03:21:42	Bright	50.500	122	9Alp2Lib	2.7470	9700.0	101	42600	No
40	GOM_TRA_1PNPDE20100424_032343_000000422088_00462_42600_6329.N1	24-APR-2010 03:23:43	Bright	41.500	15	67Alp Vir	0.97600	28000.	83	42600	No
41	GOM_TRA_1PNPDE20100424_033015_000000362088_00462_42600_6330.N1	24-APR-2010 03:30:15	Bright	35.500	138	47Eps Vir	2.8280	4700.0	71	42600	No
42	GOM_TRA_1PNPDE20100424_033259_000000422088_00462_42600_6331.N1	24-APR-2010 03:32:59	Bright	41.500	111	8Eta Boo	2.6800	6000.0	83	42600	No
43	GOM_TRA_1PNPDE20100424_033808_000000352088_00462_42600_6332.N1	24-APR-2010 03:38:08	Bright	35.000	152	12Alp2CVn	2.8900	11000.	70	42600	No
44	GOM_TRA_1PNPDE20100424_034013_000000442088_00462_42600_6333.N1	24-APR-2010 03:40:13	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	42600	No
45	GOM_TRA_1PNPDE20100424_034201_000000392088_00462_42600_6334.N1	24-APR-2010 03:42:01	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	42600	No
46	GOM_TRA_1PNPDE20100424_034923_000000412088_00462_42600_6332.N1	24-APR-2010 03:49:23	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	42600	No
47	GOM_TRA_1PNPDE20100424_035937_000000422088_00462_42600_6333.N1	24-APR-2010 03:59:37	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	42600	No
48	GOM_TRA_1PNPDE20100424_041014_000000402088_00462_42600_6334.N1	24-APR-2010 04:10:14	Bright	39.500	164	44Eta Peg	2.9480	5400.0	79	42600	No
49	GOM_TRA_1PNPDE20100424_041427_000000442088_00462_42600_6335.N1	24-APR-2010 04:14:27	Tw_i_and_stray	44.000	90	54Alp Peg	2.4870	11000.	88	42600	No
50	GOM_TRA_1PNPDE20100424_041803_000000542088_00462_42600_6336.N1	24-APR-2010 04:18:03	Dark	54.000	61	8Eps Peg	2.1000	3900.0	108	42600	No
51	GOM_TRA_1PNPDE20100424_042030_000000492088_00462_42600_6337.N1	24-APR-2010 04:20:30	Dark	48.500	162	34Alp Aqr	2.9440	5350.0	97	42600	No
52	GOM_TRA_1PNPDE20100424_042337_000000552088_00462_42600_6338.N1	24-APR-2010 04:23:37	Dark	55.000	154	22Bet Aqr	2.8990	5700.0	110	42600	No
53	GOM_TRA_1PNPDE20100424_043051_000000412088_00462_42600_6339.N1	24-APR-2010 04:30:51	Dark	40.500	172	Gam Gru	3.0030	13100.	81	42600	No
54	GOM_TRA_1PNPDE20100424_043756_000000402088_00463_42601_6340.N1	24-APR-2010 04:37:56	Dark	40.000	45	Alp Pav	1.9400	26000.	80	42601	No
55	GOM_TRA_1PNPDE20100424_044651_000000572088_00463_42601_6341.N1	24-APR-2010 04:46:51	Straylight	57.000	40	The Sco	1.8590	7100.0	114	42601	No
56	GOM_TRA_1PNPDE20100424_045240_000000422088_00463_42601_6342.N1	24-APR-2010 04:52:40	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	42601	No
57	GOM_TRA_1PNPDE20100424_045414_000000432088_00463_42601_6343.N1	24-APR-2010 04:54:14	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	42601	No
58	GOM_TRA_1PNPDE20100424_045627_000000462088_00463_42601_6344.N1	24-APR-2010 04:56:27	Straylight	45.500	54	5The Cen	2.0550	4500.0	91	42601	No
59	GOM_TRA_1PNPDE20100424_050218_000000502088_00463_42601_6345.N1	24-APR-2010 05:02:18	Bright	49.500	122	9Alp2Lib	2.7470	9700.0	99	42601	No
60	GOM_TRA_1PNPDE20100424_050419_000000402088_00463_42601_6346.N1	24-APR-2010 05:04:19	Bright	39.500	15	67Alp Vir	0.97600	28000.	79	42601	No
61	GOM_TRA_1PNPDE20100424_051051_000000372088_00463_42601_6347.N1	24-APR-2010 05:10:51	Bright	37.000	138	47Eps Vir	2.8280	4700.0	74	42601	No
62	GOM_TRA_1PNPDE20100424_051335_000000442088_00463_42601_6348.N1	24-APR-2010 05:13:35	Bright	43.500	111	8Eta Boo	2.6800	6000.0	87	42601	No
63	GOM_TRA_1PNPDE20100424_051844_000000372088_00463_42601_6349.N1	24-APR-2010 05:18:44	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	42601	No
64	GOM_TRA_1PNPDE20100424_052049_000000432088_00463_42601_6350.N1	24-APR-2010 05:20:49	Bright	42.500	180	27Gam Boo	3.0400	8000.0	85	42601	No
65	GOM_TRA_1PNPDE20100424_052237_000000412088_00463_42601_6351.N1	24-APR-2010 05:22:37	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	42601	No
66	GOM_TRA_1PNPDE20100424_052959_000000402088_00463_42601_6352.N1	24-APR-2010 05:29:59	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	42601	No
67	GOM_TRA_1PNPDE20100424_054013_000000462088_00463_42601_6358.N1	24-APR-2010 05:40:13	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	42601	No
68	GOM_TRA_1PNPDE20100424_055051_000000422088_00463_42601_6359.N1	24-APR-2010 05:50:51	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	42601	No

69	GOM_TRA_1PNPDE20100424_055503_000000442088_00463_42601_6360.N1	24-APR-2010 05:55:03	Twilight	43.500	90	54Alp Peg	2.4870	11000.	87	42601	No
70	GOM_TRA_1PNPDE20100424_055839_000000542088_00463_42601_6361.N1	24-APR-2010 05:58:39	Dark	53.500	61	8Eps Peg	2.1000	3900.0	107	42601	No
71	GOM_TRA_1PNPDE20100424_060106_000000502088_00463_42601_6362.N1	24-APR-2010 06:01:06	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	42601	No
72	GOM_TRA_1PNPDE20100424_060414_000000552088_00463_42601_6363.N1	24-APR-2010 06:04:14	Dark	55.000	154	22Bet Aqr	2.8990	5700.0	110	42601	No
73	GOM_TRA_1PNPDE20100424_061128_000000432088_00463_42601_6364.N1	24-APR-2010 06:11:28	Dark	42.500	172	Gam Gru	3.0030	13100.	85	42601	No
74	GOM_TRA_1PNPDE20100424_061833_000000402088_00464_42602_6365.N1	24-APR-2010 06:18:33	Dark	40.000	45	Alp Pav	1.9400	26000.	80	42602	No
75	GOM_TRA_1PNPDE20100424_062728_000000622088_00464_42602_6366.N1	24-APR-2010 06:27:28	Straylight	61.500	40	The Sco	1.8590	7100.0	123	42602	No
76	GOM_TRA_1PNPDE20100424_063317_000000412088_00464_42602_6367.N1	24-APR-2010 06:33:17	Straylight	41.000	78	Alp Lup	2.3040	28000.	82	42602	No
77	GOM_TRA_1PNPDE20100424_063450_000000432088_00464_42602_6368.N1	24-APR-2010 06:34:50	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	42602	No
78	GOM_TRA_1PNPDE20100424_063703_000000472088_00464_42602_6369.N1	24-APR-2010 06:37:03	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	42602	No
79	GOM_TRA_1PNPDE20100424_064254_000000492088_00464_42602_6370.N1	24-APR-2010 06:42:54	Bright	49.000	122	9Alp2Lib	2.7470	9700.0	98	42602	No
80	GOM_TRA_1PNPDE20100424_064455_000000412088_00464_42602_6371.N1	24-APR-2010 06:44:55	Bright	40.500	15	67Alp Vir	0.97600	28000.	81	42602	No
81	GOM_TRA_1PNPDE20100424_065127_000000482088_00464_42602_6372.N1	24-APR-2010 06:51:27	Bright	48.000	138	47Eps Vir	2.8280	4700.0	96	42602	No
82	GOM_TRA_1PNPDE20100424_065410_000000422088_00464_42602_6373.N1	24-APR-2010 06:54:10	Bright	41.500	111	8Eta Boo	2.6800	6000.0	83	42602	No
83	GOM_TRA_1PNPDE20100424_065920_000000382088_00464_42602_6374.N1	24-APR-2010 06:59:20	Bright	37.500	152	12Alp2CVn	2.8900	11000.	75	42602	No
84	GOM_TRA_1PNPDE20100424_070124_000000452088_00464_42602_6375.N1	24-APR-2010 07:01:24	Bright	45.000	180	27Gam Boo	3.0400	8000.0	90	42602	No
85	GOM_TRA_1PNPDE20100424_070312_000000422088_00464_42602_6376.N1	24-APR-2010 07:03:12	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	42602	No
86	GOM_TRA_1PNPDE20100424_071035_000000402088_00464_42602_6377.N1	24-APR-2010 07:10:35	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42602	No
87	GOM_TRA_1PNPDE20100424_195807_000000432088_00472_42610_6467.N1	24-APR-2010 19:58:07	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	42610	No
88	GOM_TRA_1PNPDE20100424_195941_000000442088_00472_42610_6468.N1	24-APR-2010 19:59:41	Straylight	44.000	81	Eta Cen	2.3560	28000.	88	42610	No
89	GOM_TRA_1PNPDE20100424_200152_000000462088_00472_42610_6469.N1	24-APR-2010 20:01:52	Straylight	45.500	54	5The Cen	2.0550	4500.0	91	42610	No
90	GOM_TRA_1PNPDE20100424_200742_000000512088_00472_42610_6470.N1	24-APR-2010 20:07:42	Bright	50.500	122	9Alp2Lib	2.7470	9700.0	101	42610	No
91	GOM_TRA_1PNPDE20100424_200943_000000412088_00472_42610_6471.N1	24-APR-2010 20:09:43	Bright	41.000	15	67Alp Vir	0.97600	28000.	82	42610	No
92	GOM_TRA_1PNPDE20100424_201614_000000372088_00472_42610_6472.N1	24-APR-2010 20:16:14	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	42610	No
93	GOM_TRA_1PNPDE20100424_201855_000000412088_00472_42610_6473.N1	24-APR-2010 20:18:55	Bright	41.000	111	8Eta Boo	2.6800	6000.0	82	42610	No
94	GOM_TRA_1PNPDE20100424_202406_000000542088_00472_42610_6474.N1	24-APR-2010 20:24:06	Bright	54.000	152	12Alp2CVn	2.8900	11000.	108	42610	No
95	GOM_TRA_1PNPDE20100424_202606_000000442088_00472_42610_6475.N1	24-APR-2010 20:26:06	Bright	43.500	180	27Gam Boo	3.0400	8000.0	87	42610	No
96	GOM_TRA_1PNPDE20100424_202757_000000382088_00472_42610_6476.N1	24-APR-2010 20:27:57	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	42610	No
97	GOM_TRA_1PNPDE20100424_203520_000000422088_00472_42610_6477.N1	24-APR-2010 20:35:20	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	42610	No
98	GOM_TRA_1PNPDE20100424_204534_000000402088_00472_42610_6478.N1	24-APR-2010 20:45:34	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	42610	No
99	GOM_TRA_1PNPDE20100424_205615_000000392088_00472_42610_6479.N1	24-APR-2010 20:56:15	Bright	38.500	164	44Eta Peg	2.9480	5400.0	77	42610	No
100	GOM_TRA_1PNPDE20100424_210028_000000432088_00472_42610_6480.N1	24-APR-2010 21:00:28	Twilight	43.000	90	54Alp Peg	2.4870	11000.	86	42610	No
101	GOM_TRA_1PNPDE20100424_210408_000000572088_00472_42610_6486.N1	24-APR-2010 21:04:08	Dark	56.500	61	8Eps Peg	2.1000	3900.0	113	42610	No
102	GOM_TRA_1PNPDE20100424_210635_000000492088_00472_42610_6487.N1	24-APR-2010 21:06:35	Dark	48.500	162	34Alp Aqr	2.9440	5350.0	97	42610	No
103	GOM_TRA_1PNPDE20100424_210946_000000562088_00472_42610_6488.N1	24-APR-2010 21:09:46	Dark	55.500	154	22Bet Aqr	2.8990	5700.0	111	42610	No
104	GOM_TRA_1PNPDE20100424_211656_000000422088_00472_42610_6489.N1	24-APR-2010 21:16:56	Dark	42.000	172	Gam Gru	3.0030	13100.	84	42610	No
105	GOM_TRA_1PNPDE20100424_212401_000000412088_00473_42611_6490.N1	24-APR-2010 21:24:01	Dark	40.500	45	Alp Pav	1.9400	26000.	81	42611	No
106	GOM_TRA_1PNPDE20100424_213134_000000422088_00473_42611_6491.N1	24-APR-2010 21:31:34	Dark	42.000	141	Bet Ara	2.8400	4600.0	84	42611	No
107	GOM_TRA_1PNPDE20100424_213300_000000562088_00473_42611_6492.N1	24-APR-2010 21:33:00	Straylight	55.500	40	The Sco	1.8590	7100.0	111	42611	No
108	GOM_TRA_1PNPDE20100424_213843_000000422088_00473_42611_6493.N1	24-APR-2010 21:38:43	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	42611	No
109	GOM_TRA_1PNPDE20100424_214017_000000432088_00473_42611_6494.N1	24-APR-2010 21:40:17	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	42611	No
110	GOM_TRA_1PNPDE20100424_214228_000000452088_00473_42611_6495.N1	24-APR-2010 21:42:28	Straylight	44.500	54	5The Cen	2.0550	4500.0	89	42611	No
111	GOM_TRA_1PNPDE20100424_214818_000000502088_00473_42611_6496.N1	24-APR-2010 21:48:18	Bright	49.500	122	9Alp2Lib	2.7470	9700.0	99	42611	No
112	GOM_TRA_1PNPDE20100424_215019_000000422088_00473_42611_6497.N1	24-APR-2010 21:50:19	Bright	41.500	15	67Alp Vir	0.97600	28000.	83	42611	No
113	GOM_TRA_1PNPDE20100424_215650_000000372088_00473_42611_6498.N1	24-APR-2010 21:56:50	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	42611	No
114	GOM_TRA_1PNPDE20100424_215931_000000412088_00473_42611_6499.N1	24-APR-2010 21:59:31	Bright	41.000	111	8Eta Boo	2.6800	6000.0	82	42611	No
115	GOM_TRA_1PNPDE20100424_220442_000000372088_00473_42611_6500.N1	24-APR-2010 22:04:42	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	42611	No
116	GOM_TRA_1PNPDE20100424_220641_000000432088_00473_42611_6501.N1	24-APR-2010 22:06:41	Bright	42.500	180	27Gam Boo	3.0400	8000.0	85	42611	No
117	GOM_TRA_1PNPDE20100424_220832_000000402088_00473_42611_6502.N1	24-APR-2010 22:08:32	Bright	40.000	39	85Eta UMa	1.8540	24000.	80	42611	No
118	GOM_TRA_1PNPDE20100424_221556_000000382088_00473_42611_6503.N1	24-APR-2010 22:15:56	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	42611	No
119	GOM_TRA_1PNPDE20100424_222609_000000422088_00473_42611_6504.N1	24-APR-2010 22:26:09	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	42611	No
120	GOM_TRA_1PNPDE20100424_223651_000000422088_00473_42611_6505.N1	24-APR-2010 22:36:51	Bright	41.500	164	44Eta Peg	2.9480	5400.0	83	42611	No
121	GOM_TRA_1PNPDE20100424_224105_000000432088_00473_42611_6506.N1	24-APR-2010 22:41:05	Twilight	43.000	90	54Alp Peg	2.4870	11000.	86	42611	No
122	GOM_TRA_1PNPDE20100424_224445_000000602088_00473_42611_6507.N1	24-APR-2010 22:44:45	Dark	59.500	61	8Eps Peg	2.1000	3900.0	119	42611	No
123	GOM_TRA_1PNPDE20100424_224712_000000492088_00473_42611_6508.N1	24-APR-2010 22:47:12	Dark	49.000	162	34Alp Aqr	2.9440	5350.0	98	42611	No
124	GOM_TRA_1PNPDE20100424_225023_000000512088_00473_42611_6509.N1	24-APR-2010 22:50:23	Dark	51.000	154	22Bet Aqr	2.8990	5700.0	102	42611	No
125	GOM_TRA_1PNPDE20100424_225733_000000402088_00473_42611_6507.N1	24-APR-2010 22:57:33	Dark	39.500	172	Gam Gru	3.0030	13100.	79	42611	No
126	GOM_TRA_1PNPDE20100424_230438_000000422088_00474_42612_6508.N1	24-APR-2010 23:04:38	Dark	42.000	45	Alp Pav	1.9400	26000.	84	42612	No
127	GOM_TRA_1PNPDE20100424_231211_000000432088_00474_42612_6509.N1	24-APR-2010 23:12:11	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	42612	No

128	GOM_TRA_1PNPDE20100424_231337_000000522088_00474_42612_6510.N1	24-APR-2010 23:13:37	Straylight	51.500	40	The Sco	1.8590	7100.0	103	42612	No
129	GOM_TRA_1PNPDE20100424_231919_000000422088_00474_42612_6511.N1	24-APR-2010 23:19:19	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	42612	No
130	GOM_TRA_1PNPDE20100424_232053_000000432088_00474_42612_6512.N1	24-APR-2010 23:20:53	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	42612	No
131	GOM_TRA_1PNPDE20100424_232305_000000472088_00474_42612_6513.N1	24-APR-2010 23:23:05	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	42612	No
132	GOM_TRA_1PNPDE20100424_232854_000000502088_00474_42612_6514.N1	24-APR-2010 23:28:54	Bright	50.000	122	9Alp2Lib	2.7470	9700.0	100	42612	No
133	GOM_TRA_1PNPDE20100424_233055_000000432088_00474_42612_6515.N1	24-APR-2010 23:30:55	Bright	42.500	15	67Alp Vir	0.97600	28000.	85	42612	No
134	GOM_TRA_1PNPDE20100424_233726_000000372088_00474_42612_6516.N1	24-APR-2010 23:37:26	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	42612	No
135	GOM_TRA_1PNPDE20100424_234006_000000422088_00474_42612_6517.N1	24-APR-2010 23:40:06	Bright	41.500	111	8Eta Boo	2.6800	6000.0	83	42612	No
136	GOM_TRA_1PNPDE20100424_234517_000000372088_00474_42612_6518.N1	24-APR-2010 23:45:17	Bright	37.000	152	12Alp2CVn	2.8900	11000.	74	42612	No
137	GOM_TRA_1PNPDE20100424_234717_000000452088_00474_42612_6519.N1	24-APR-2010 23:47:17	Bright	45.000	180	27Gam Boo	3.0400	8000.0	90	42612	No
138	GOM_TRA_1PNPDE20100424_234908_000000392088_00474_42612_6520.N1	24-APR-2010 23:49:08	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	42612	No
139	GOM_TRA_1PNPDE20100424_235632_000000392088_00474_42612_6521.N1	24-APR-2010 23:56:32	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	42612	No

3. Plot of GOMOS spectrometers and photometers temperatures from level 1b data



4. Overview of dark signal processing per product

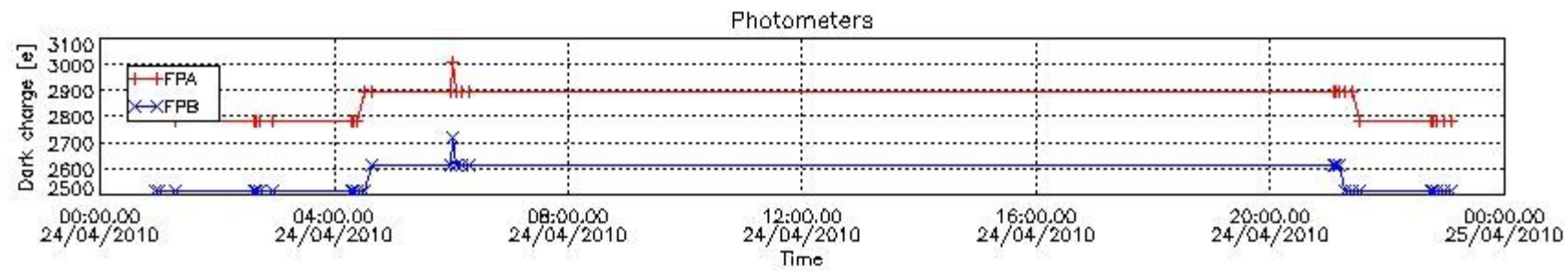
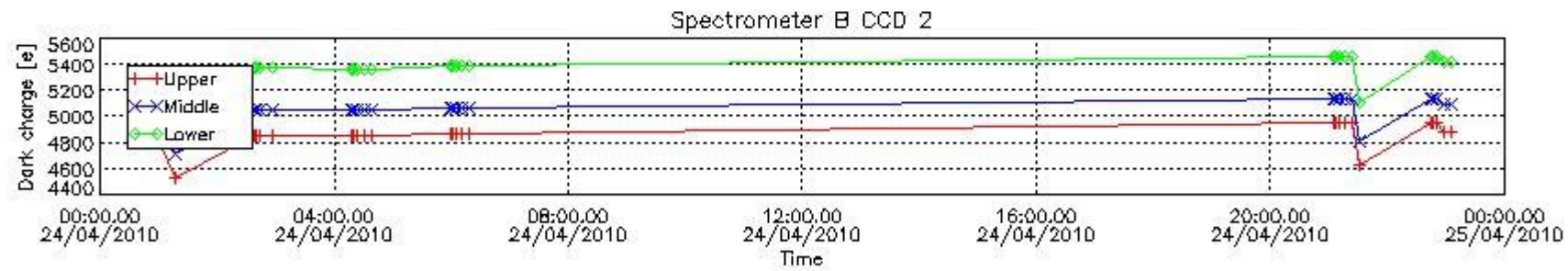
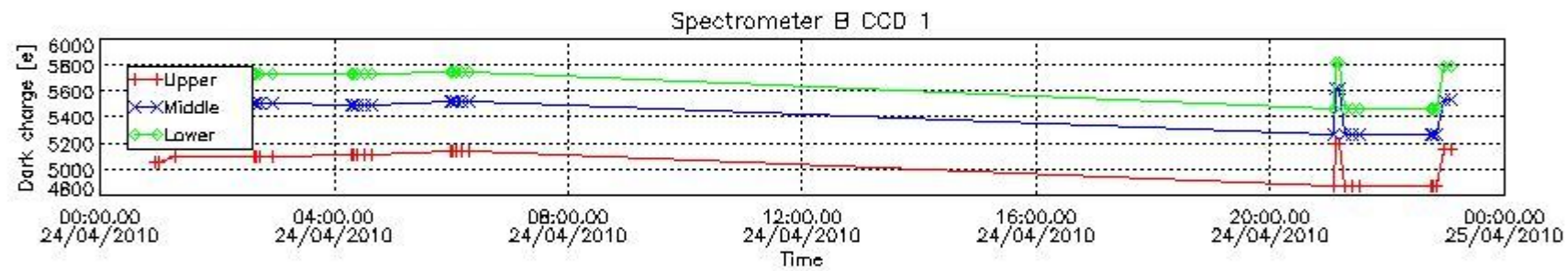
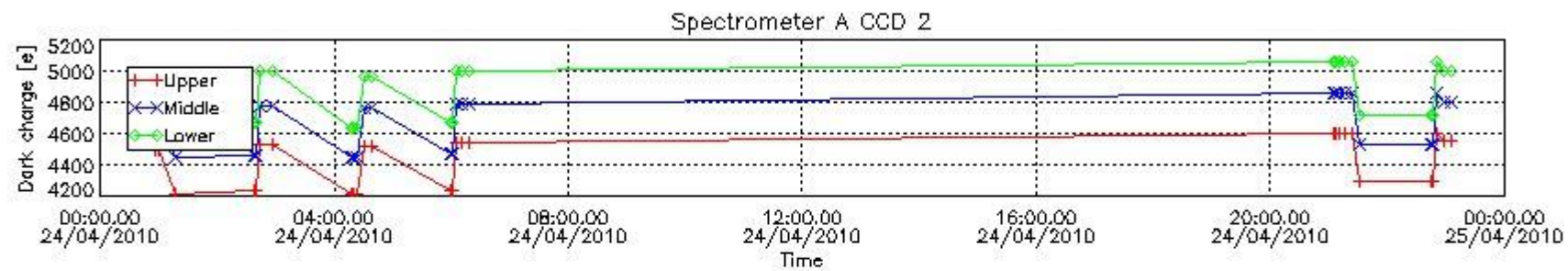
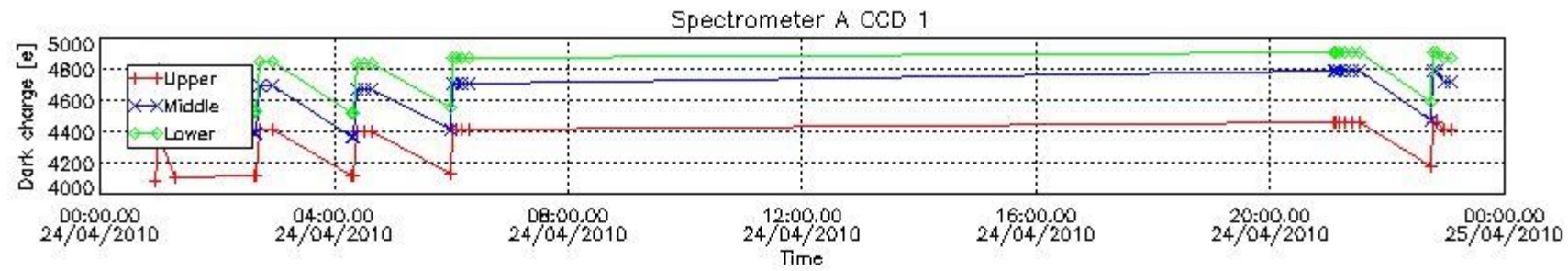
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100424_195807_000000432088_00472_42610_6467.N1	DC map used
GOM_TRA_1PNPDE20100424_195941_000000442088_00472_42610_6468.N1	DC map used
GOM_TRA_1PNPDE20100424_200152_000000462088_00472_42610_6469.N1	DC map used
GOM_TRA_1PNPDE20100424_200742_000000512088_00472_42610_6470.N1	DC map used
GOM_TRA_1PNPDE20100424_200943_000000412088_00472_42610_6471.N1	DC map used
GOM_TRA_1PNPDE20100424_201614_000000372088_00472_42610_6472.N1	DC map used
GOM_TRA_1PNPDE20100424_201855_000000412088_00472_42610_6473.N1	DC map used
GOM_TRA_1PNPDE20100424_202406_000000542088_00472_42610_6474.N1	DC map used
GOM_TRA_1PNPDE20100424_202606_000000442088_00472_42610_6475.N1	DC map used
GOM_TRA_1PNPDE20100424_202757_000000382088_00472_42610_6476.N1	DC map used
GOM_TRA_1PNPDE20100424_203520_000000422088_00472_42610_6477.N1	DC map used
GOM_TRA_1PNPDE20100424_204534_000000402088_00472_42610_6478.N1	DC map used
GOM_TRA_1PNPDE20100424_205615_000000392088_00472_42610_6479.N1	DC map used
GOM_TRA_1PNPDE20100424_210028_000000432088_00472_42610_6480.N1	DC map used

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



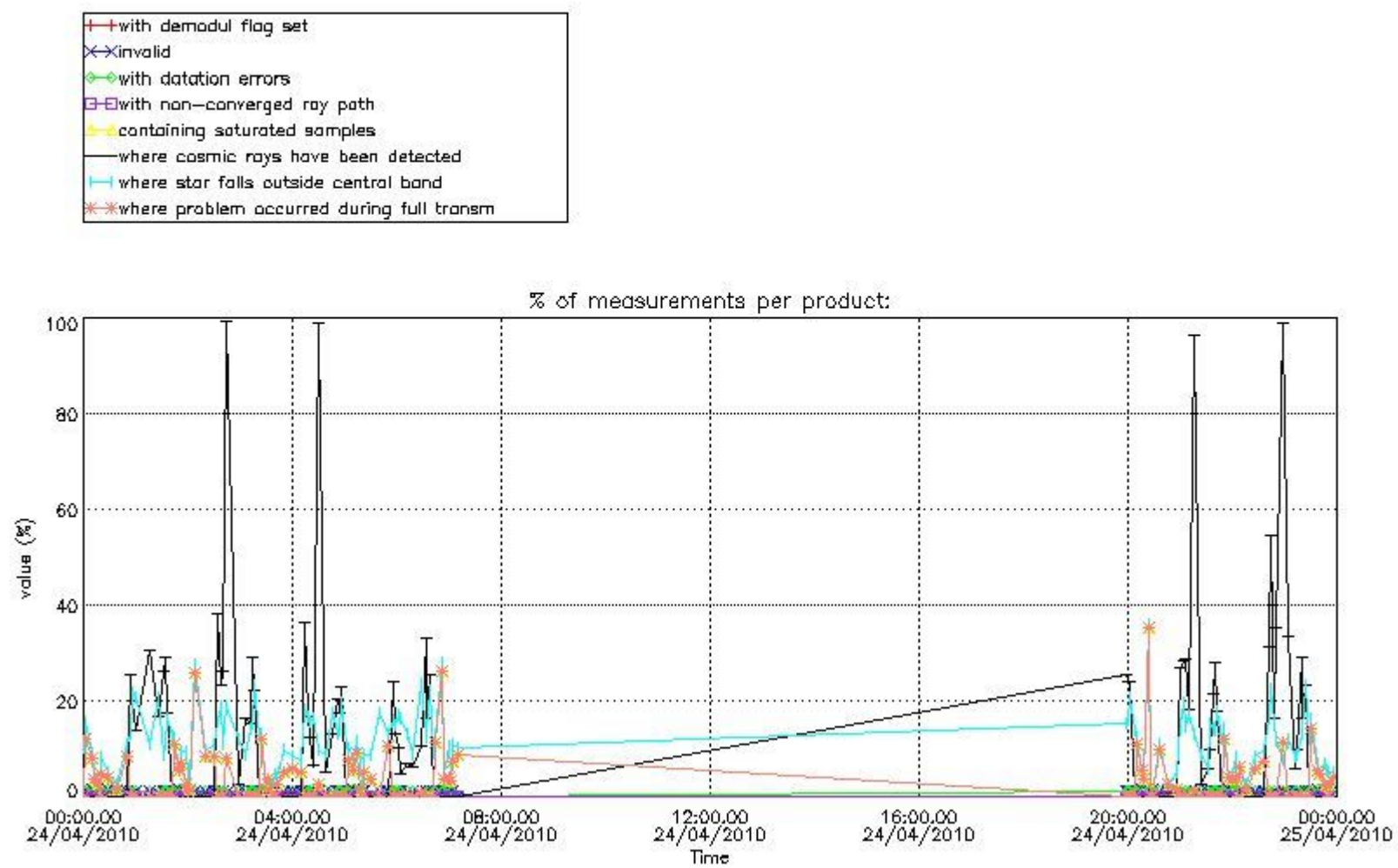
5. Demodulation flag and quality information monitoring

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.

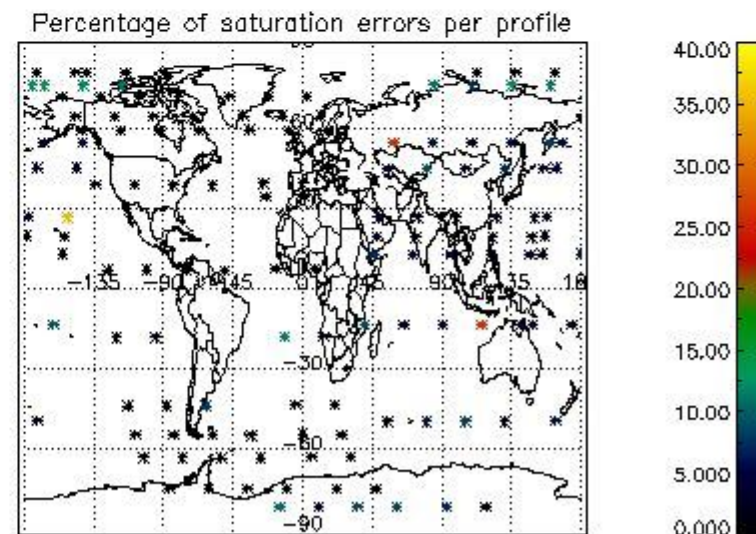
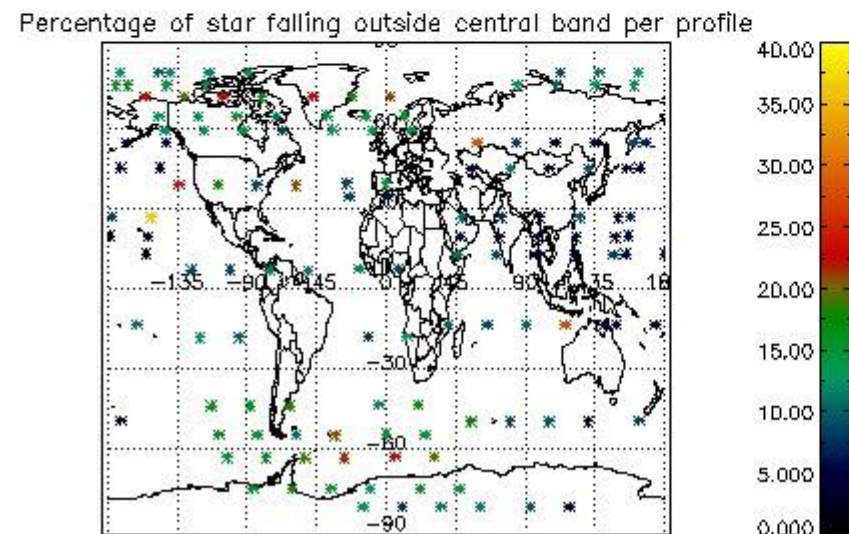
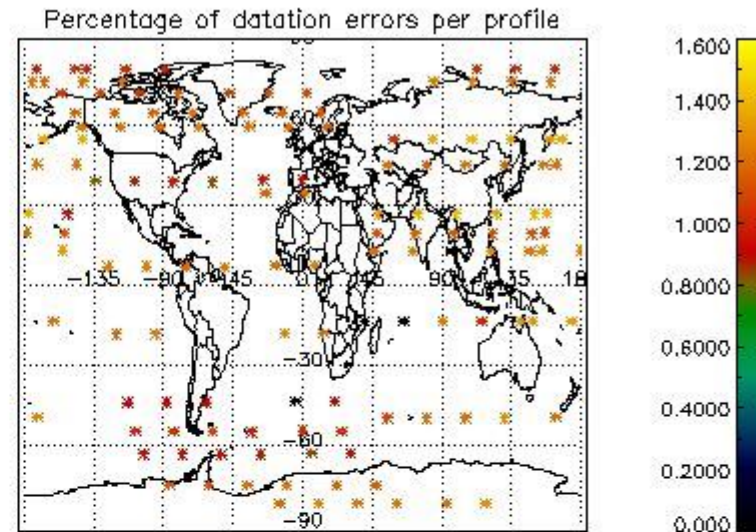
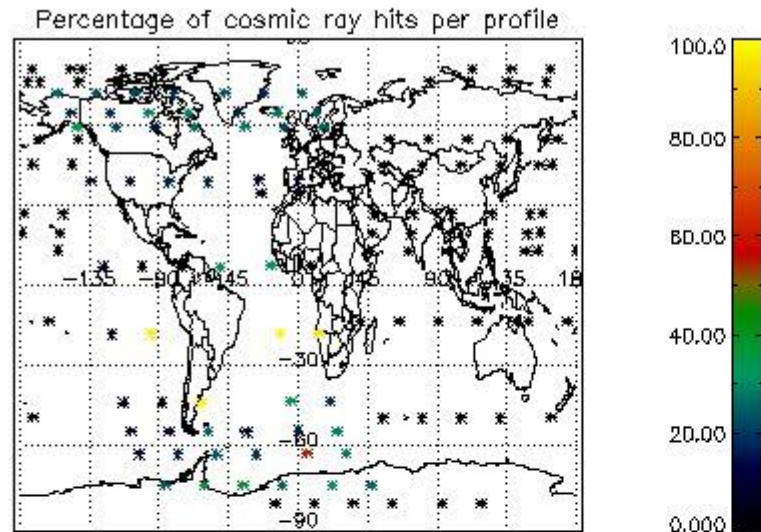
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	38.4058 %
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)



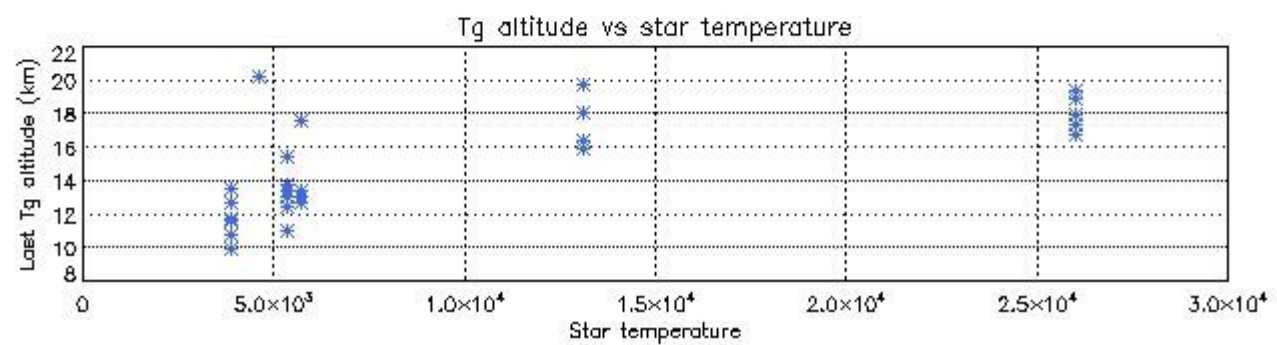
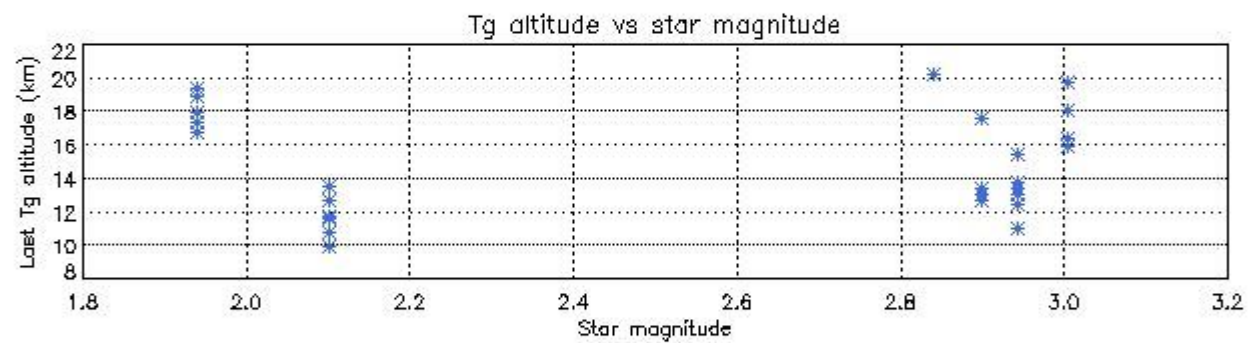
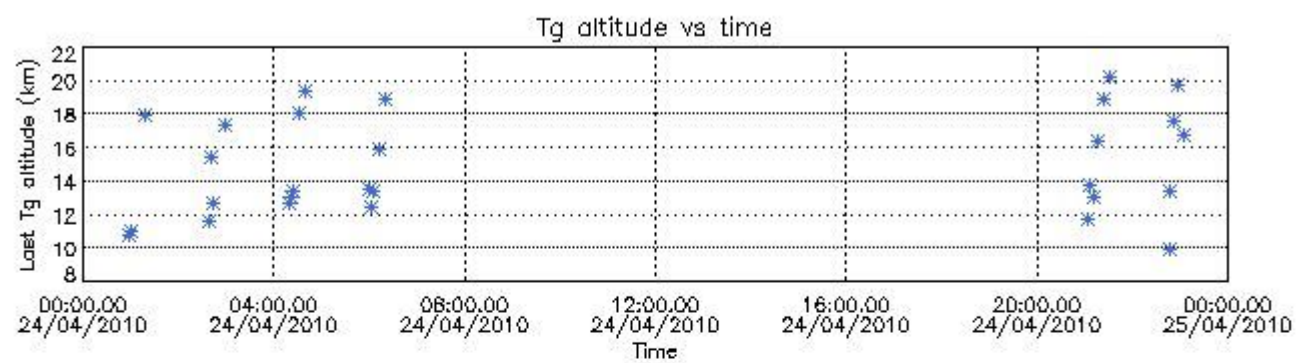
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.945	19.353	NaN
St. deviation:	3.0671	4.0963	NaN
Maximum:	20.176	26.381	NaN
Minimum:	9.9676	3.8622	NaN
Number of data:	28.000	76.000	NaN

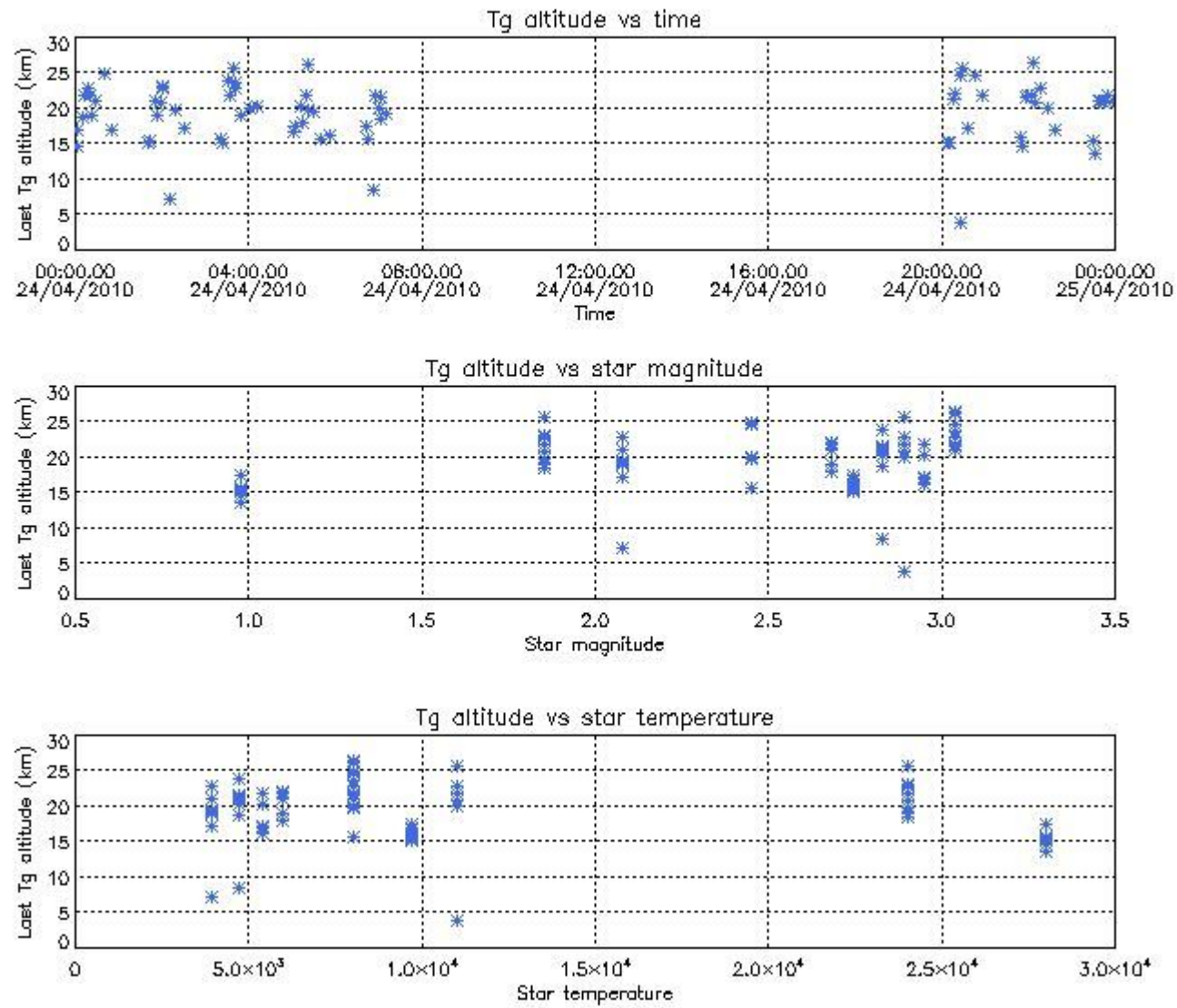
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

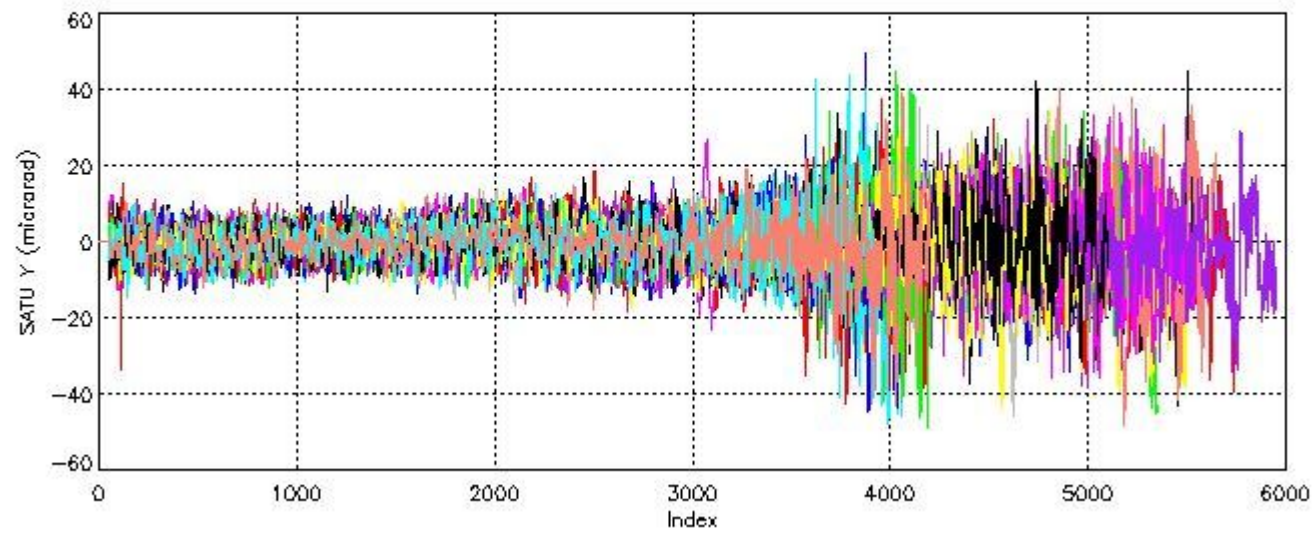
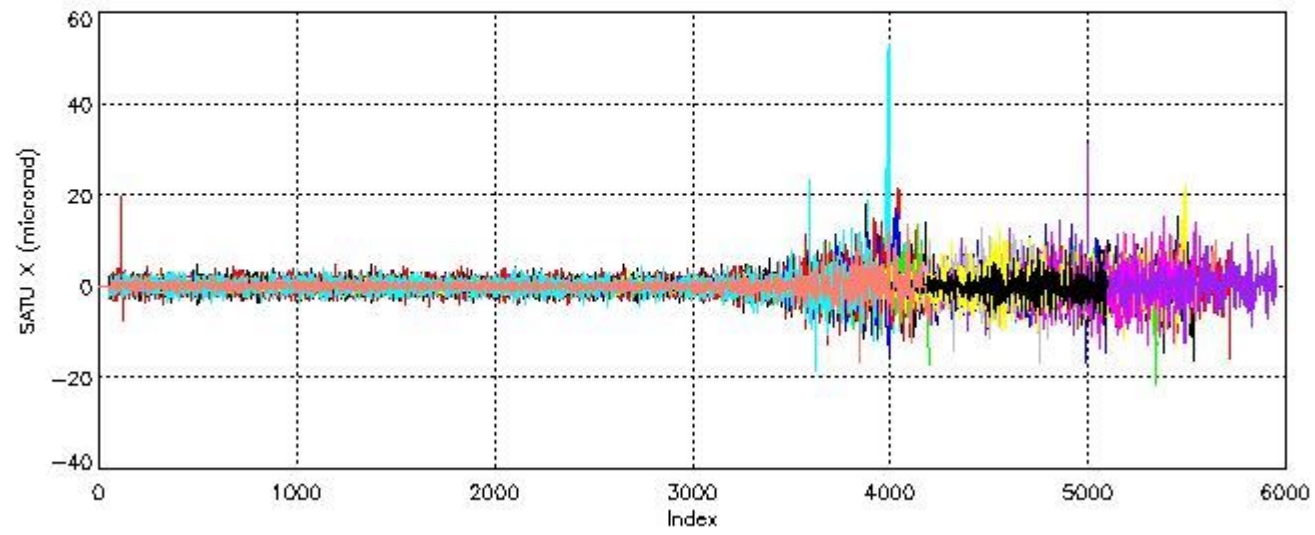


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.18298	-0.64336	0.20426	-0.74911
St. deviation:	0.69358	3.5318	0.92767	3.4589
Maximum:	19.800	15.400	6.5000	15.100
Minimum:	-7.7000	-33.600	-7.1000	-17.200

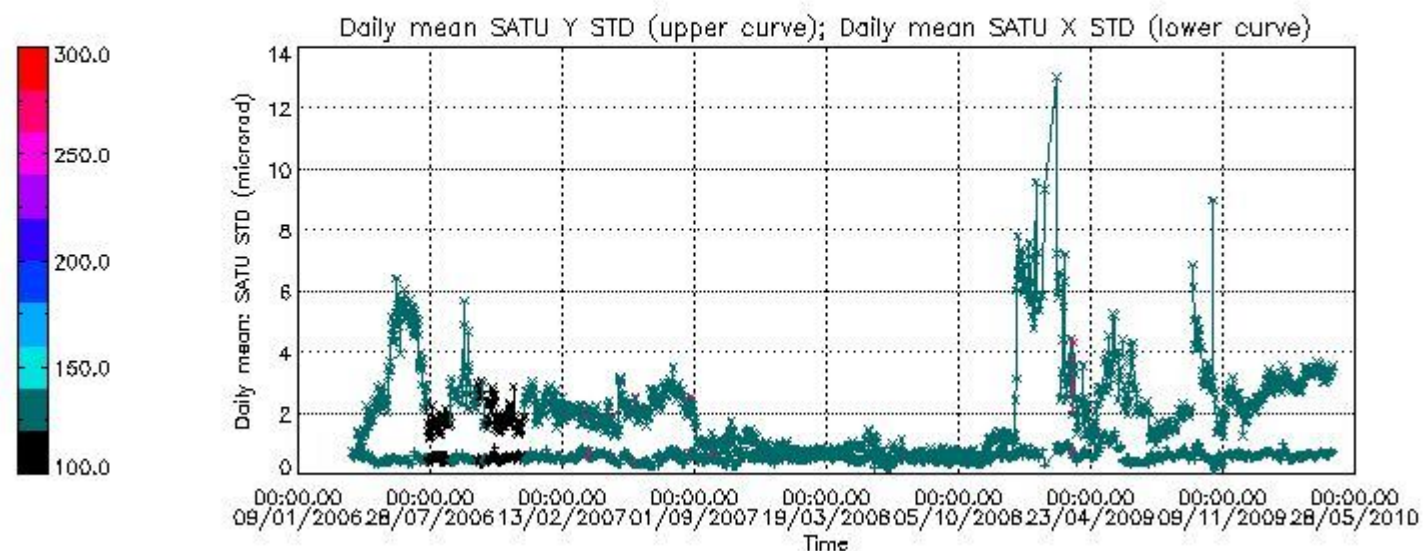
Number of data:	29150.	29150.	73300.	73300.
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

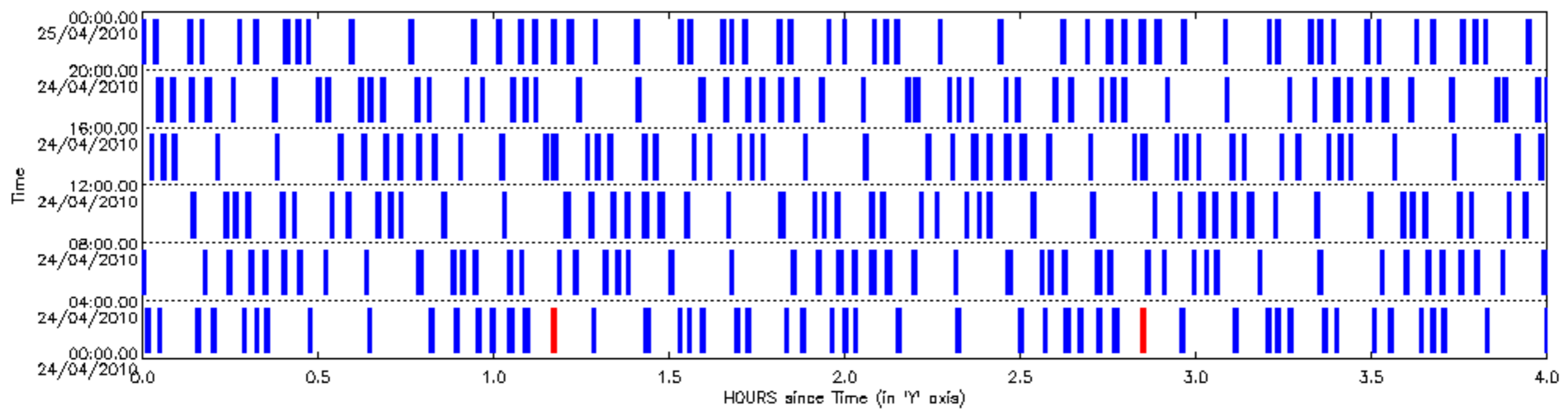
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

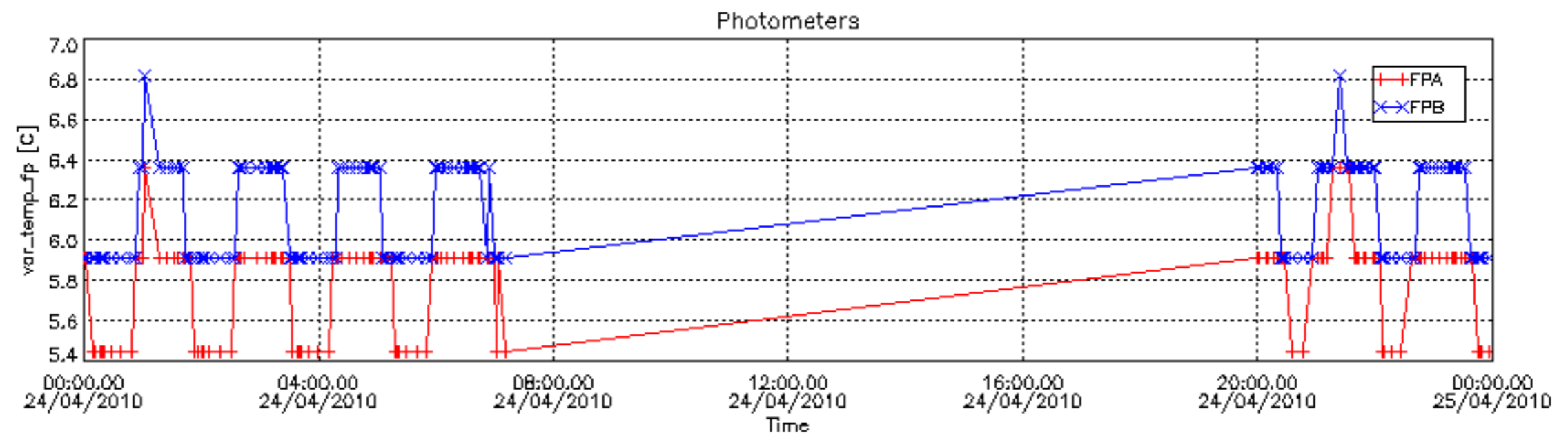
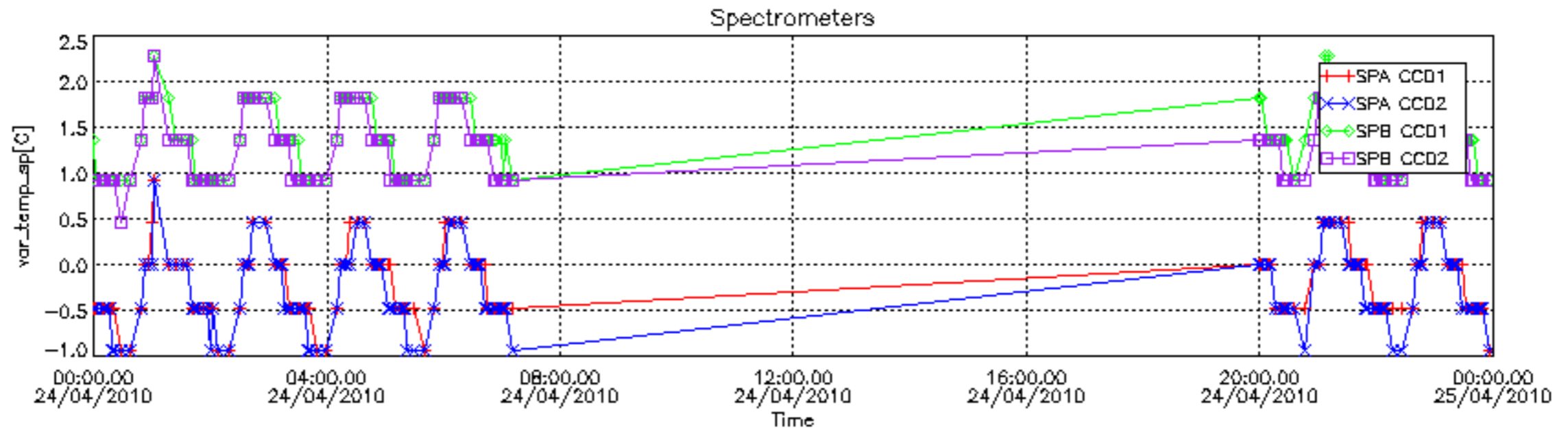


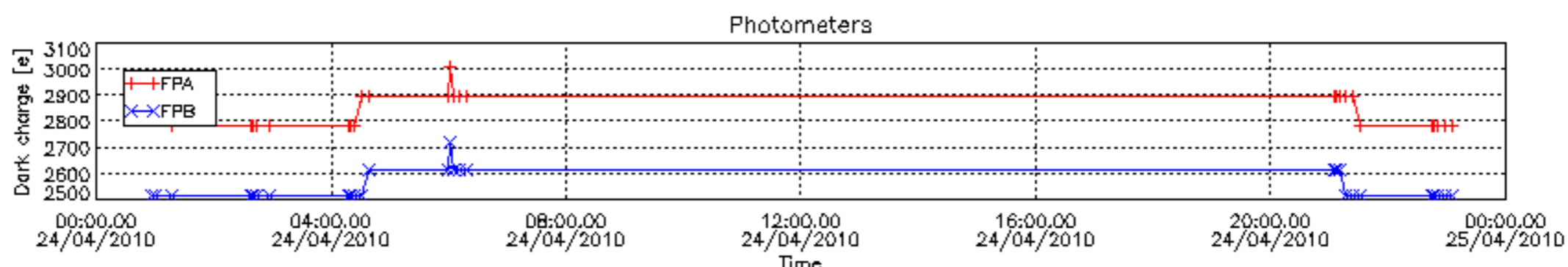
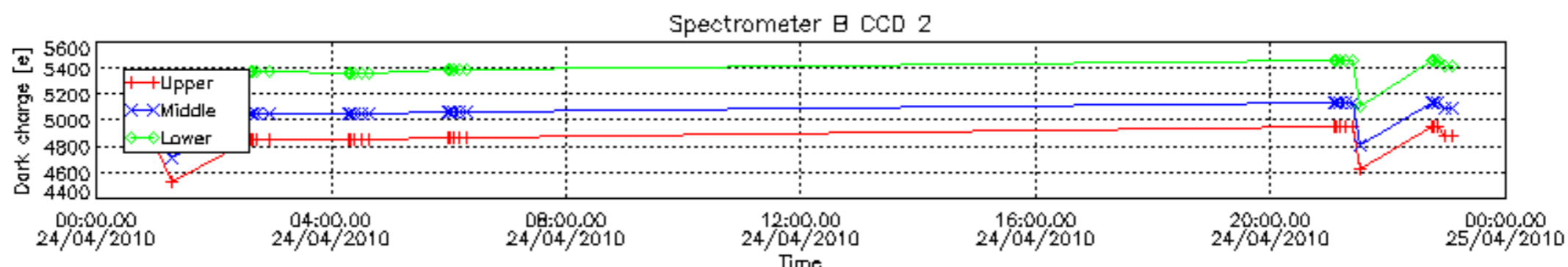
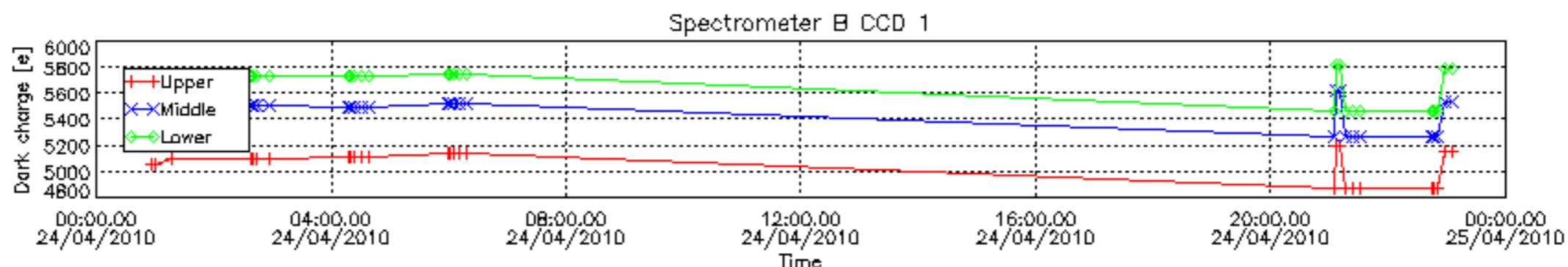
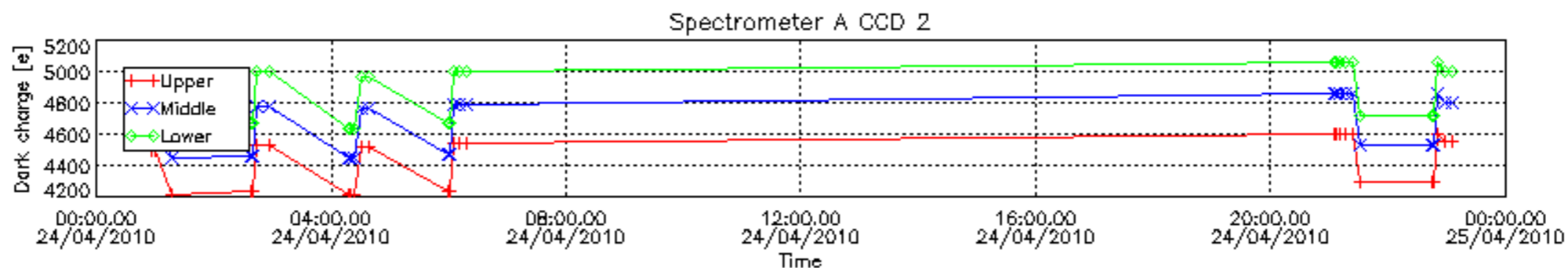
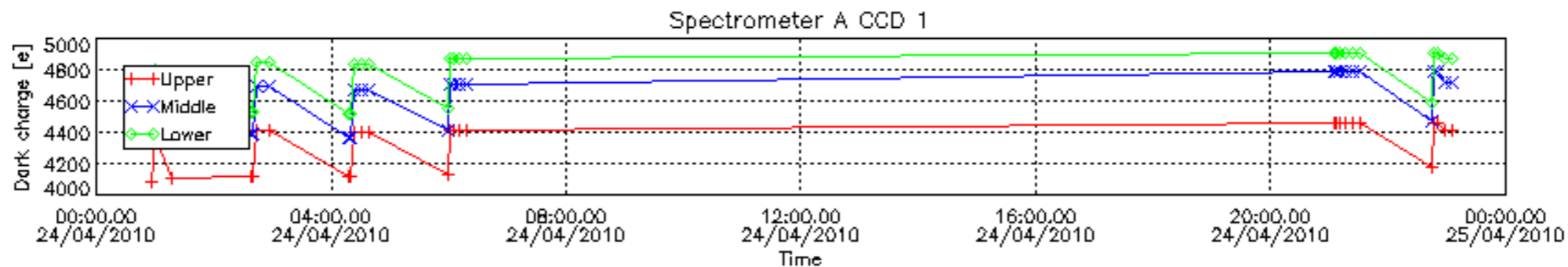
8. Auxiliary Data Files used for the production reported in section 2.4

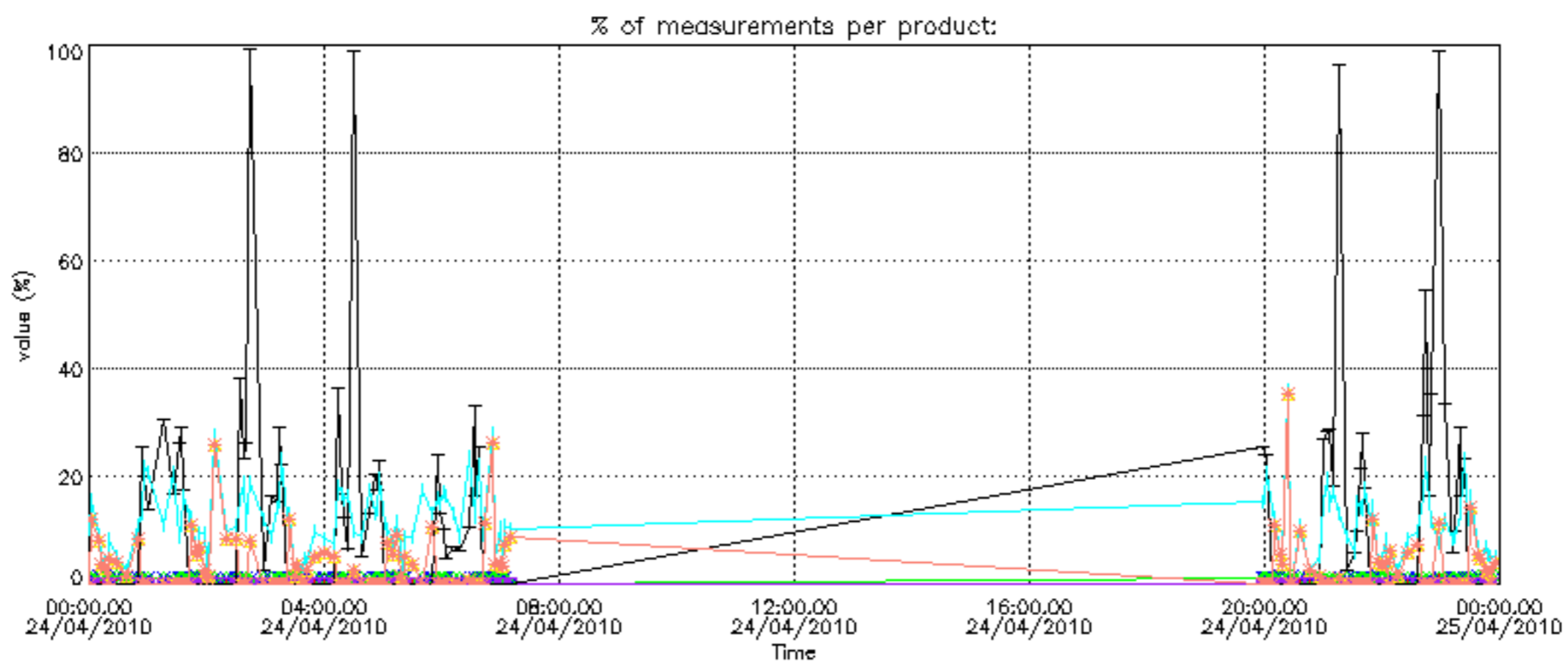
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	24-APR-2010 00:00:29
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100421_081220_20100420_000000_20500101_000000	1	24-APR-2010 00:00:29
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	24-APR-2010 00:00:29
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	24-APR-2010 00:00:29
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	24-APR-2010 00:00:29
ECMWF_FILE	AUX_ECF_AXNECM20100423_054115_20100423_210000_20100424_090000	1	24-APR-2010 00:00:29
ECMWF_FILE	AUX_ECF_AXNECM20100423_172117_20100424_030000_20100424_150000	46	24-APR-2010 03:49:23
ECMWF_FILE	AUX_ECA_AXNECM20100424_052117_20100423_210000_20100424_090000	67	24-APR-2010 05:40:13
ECMWF_FILE	AUX_ECF_AXNECM20100424_052118_20100424_150000_20100425_030000	87	24-APR-2010 19:58:07
ECMWF_FILE	AUX_ECF_AXNECM20100424_054118_20100424_210000_20100425_090000	101	24-APR-2010 21:04:08
OPTIONAL_ECMWF_FILE	MISSING	1	24-APR-2010 00:00:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100423_231959_000057382088_00459_42597_0218.N1	1	24-APR-2010 00:00:29
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100423_100116_20100422_190359_20100502_203012	14	24-APR-2010 01:02:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100424_053713_000057382088_00463_42601_0221.N1	67	24-APR-2010 05:40:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100424_195238_000038252088_00472_42610_0222.N1	87	24-APR-2010 19:58:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100424_210142_000060572088_00472_42610_0223.N1	101	24-APR-2010 21:04:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100424_224758_000057382088_00473_42611_0224.N1	125	24-APR-2010 22:57:33

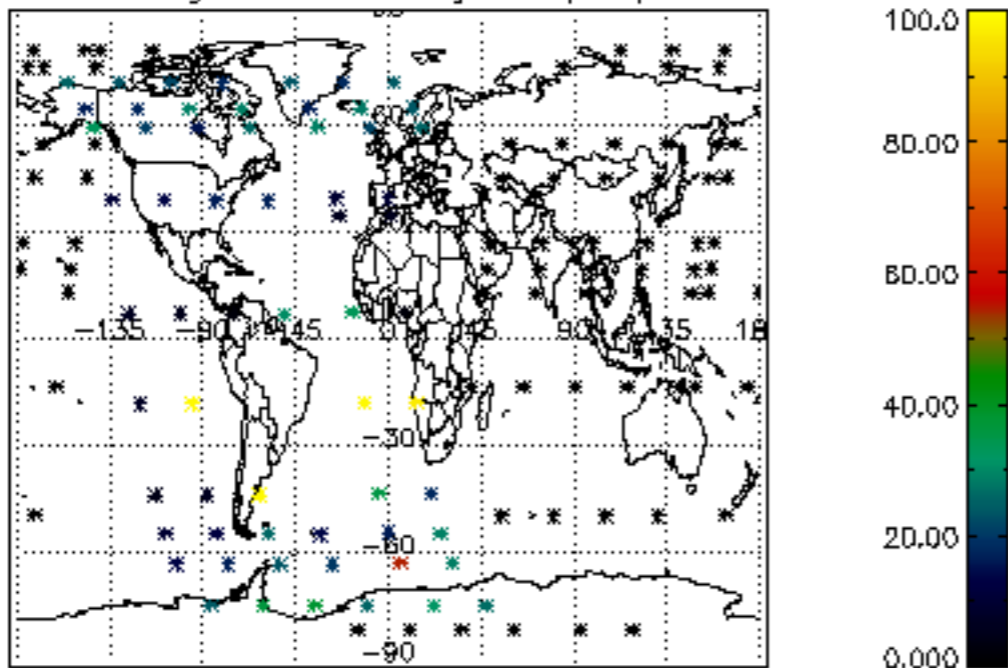




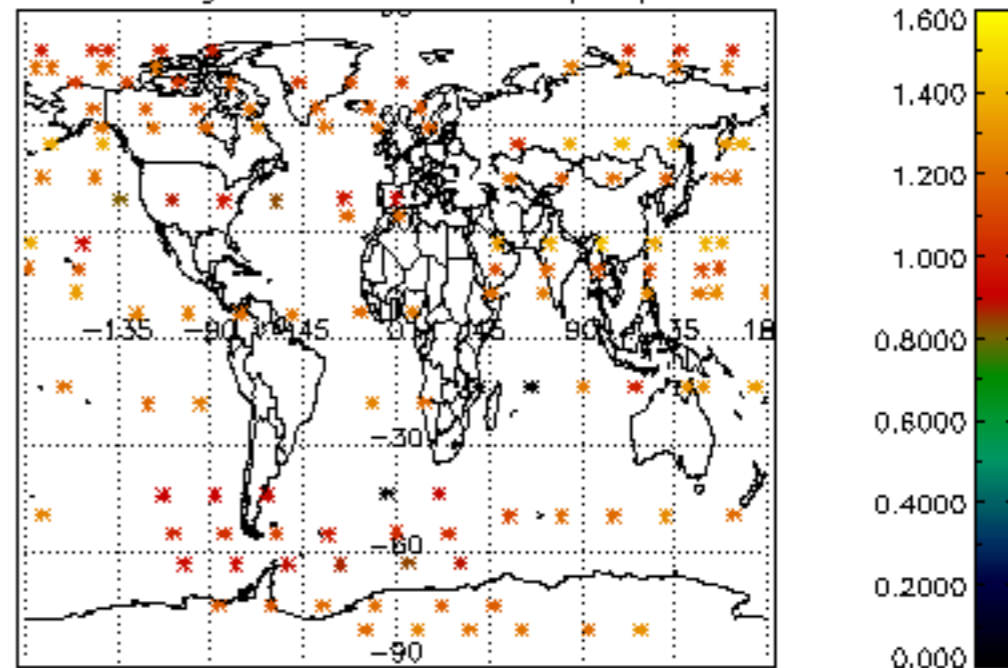




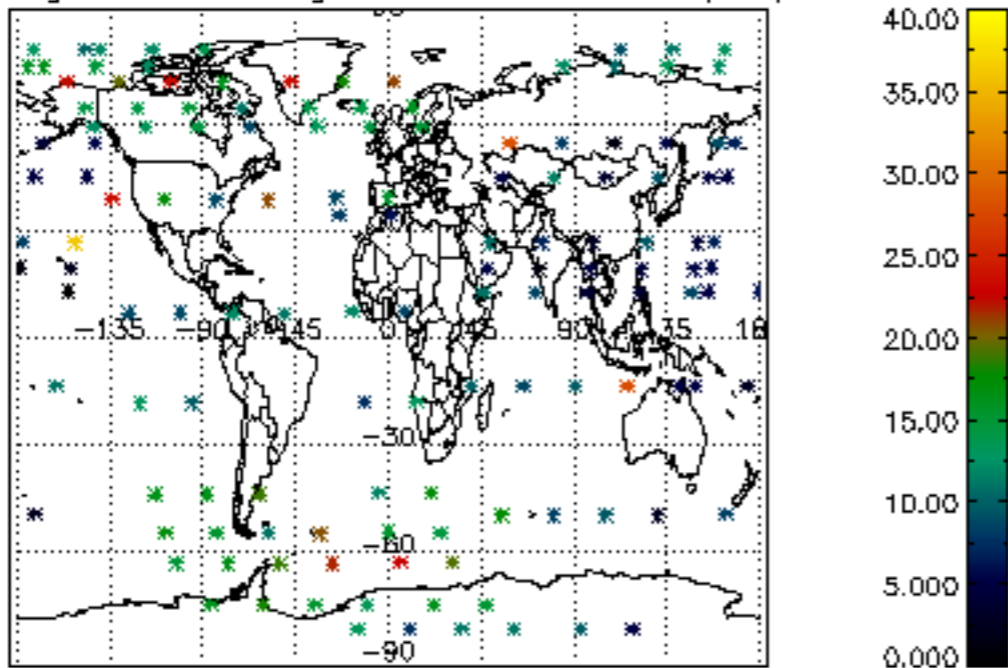
Percentage of cosmic ray hits per profile



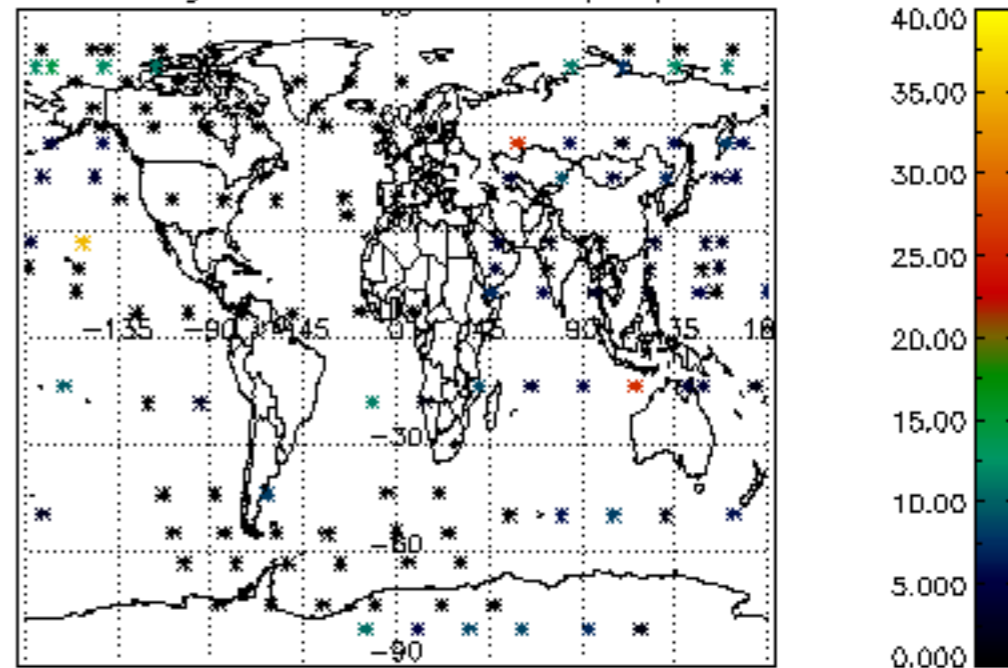
Percentage of datation errors per profile



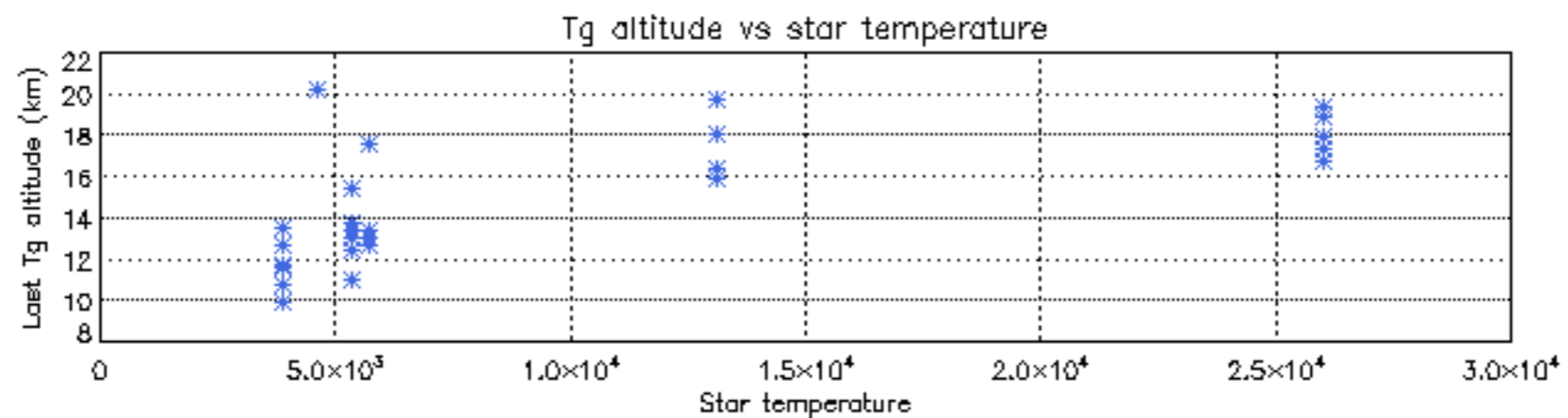
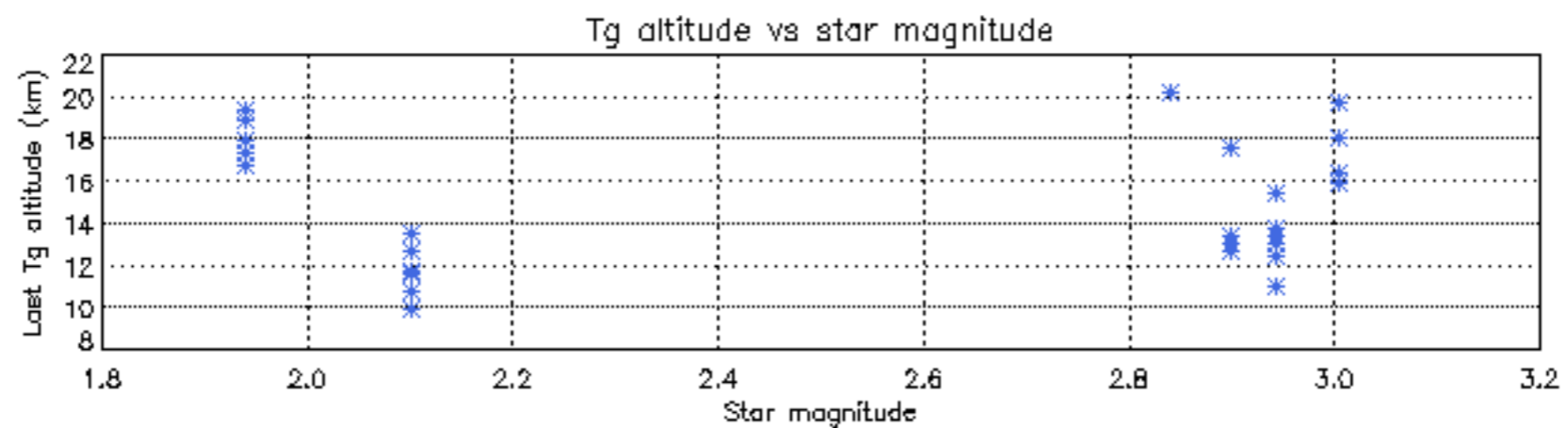
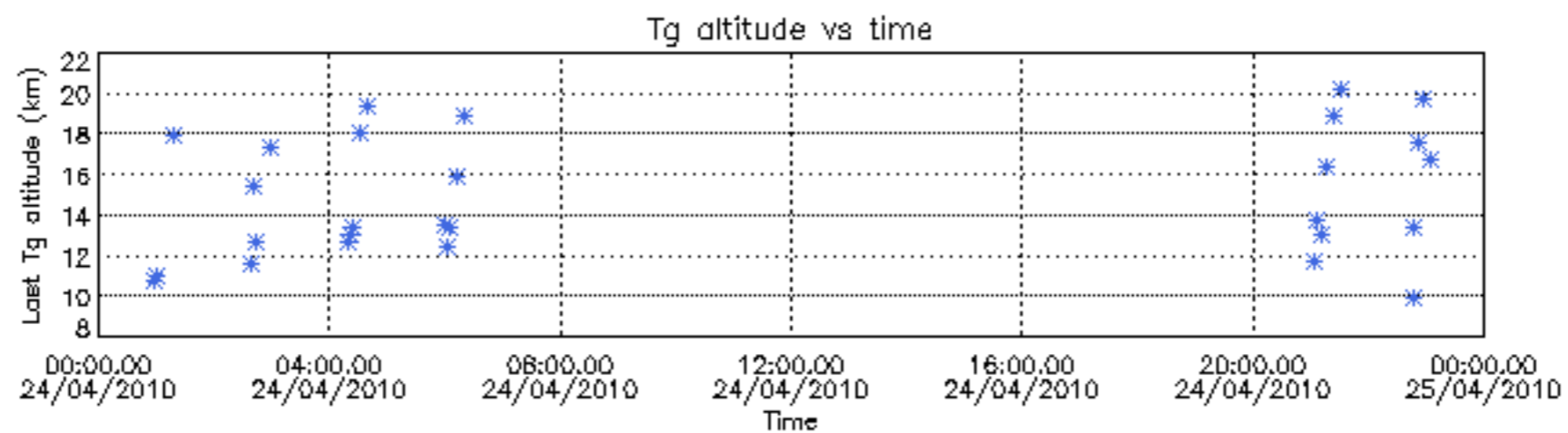
Percentage of star falling outside central band per profile



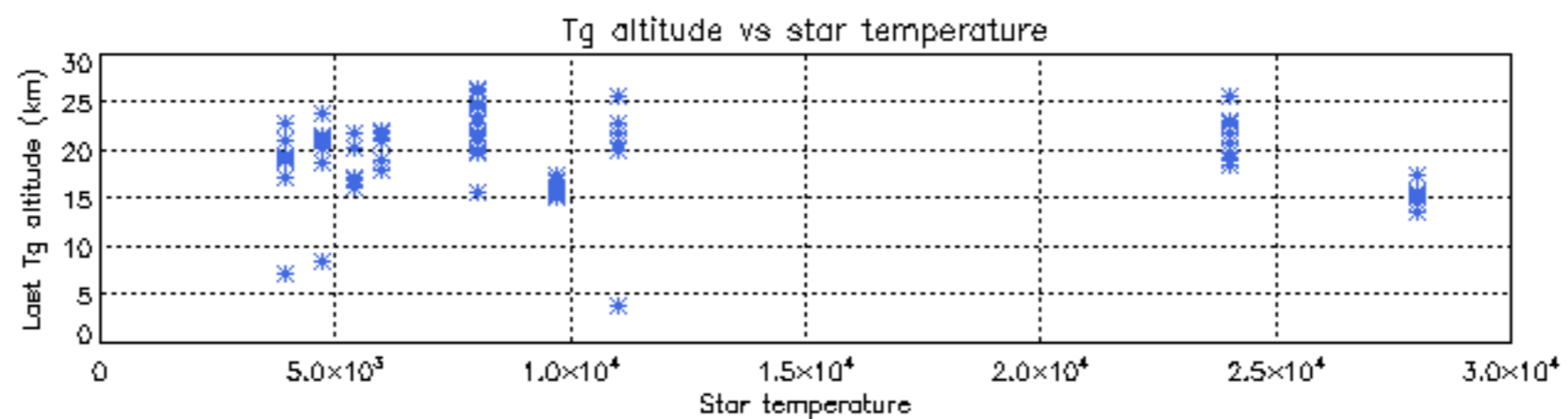
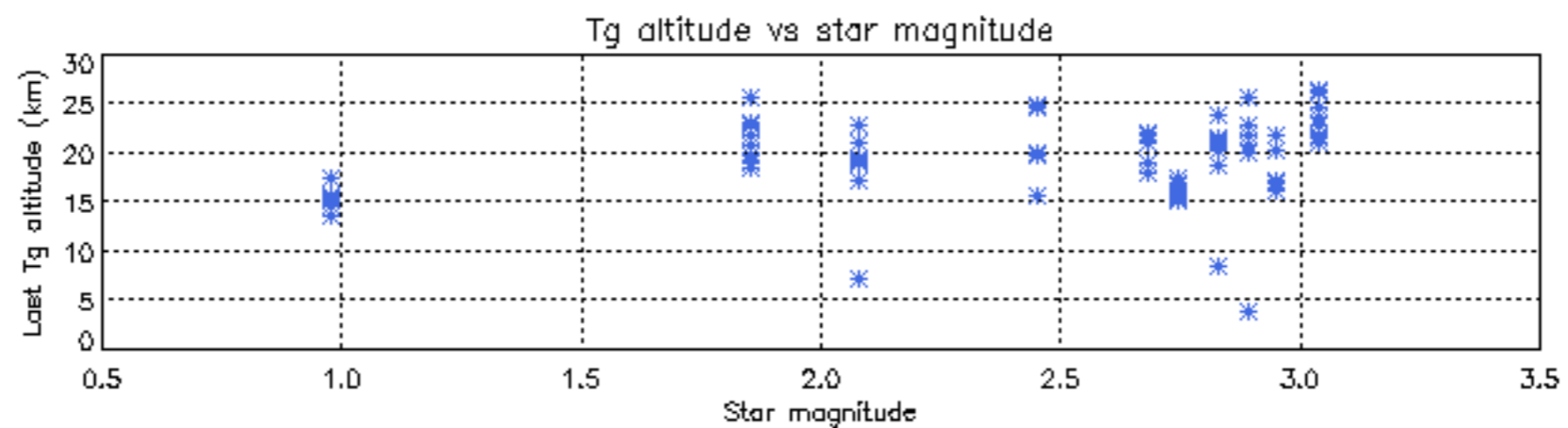
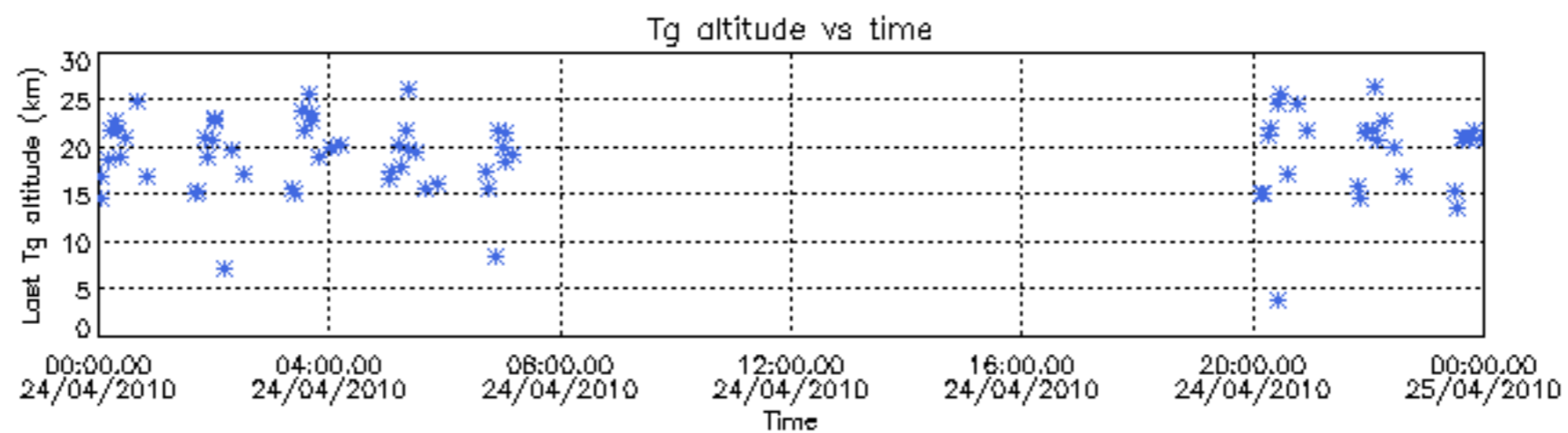
Percentage of saturation errors per profile

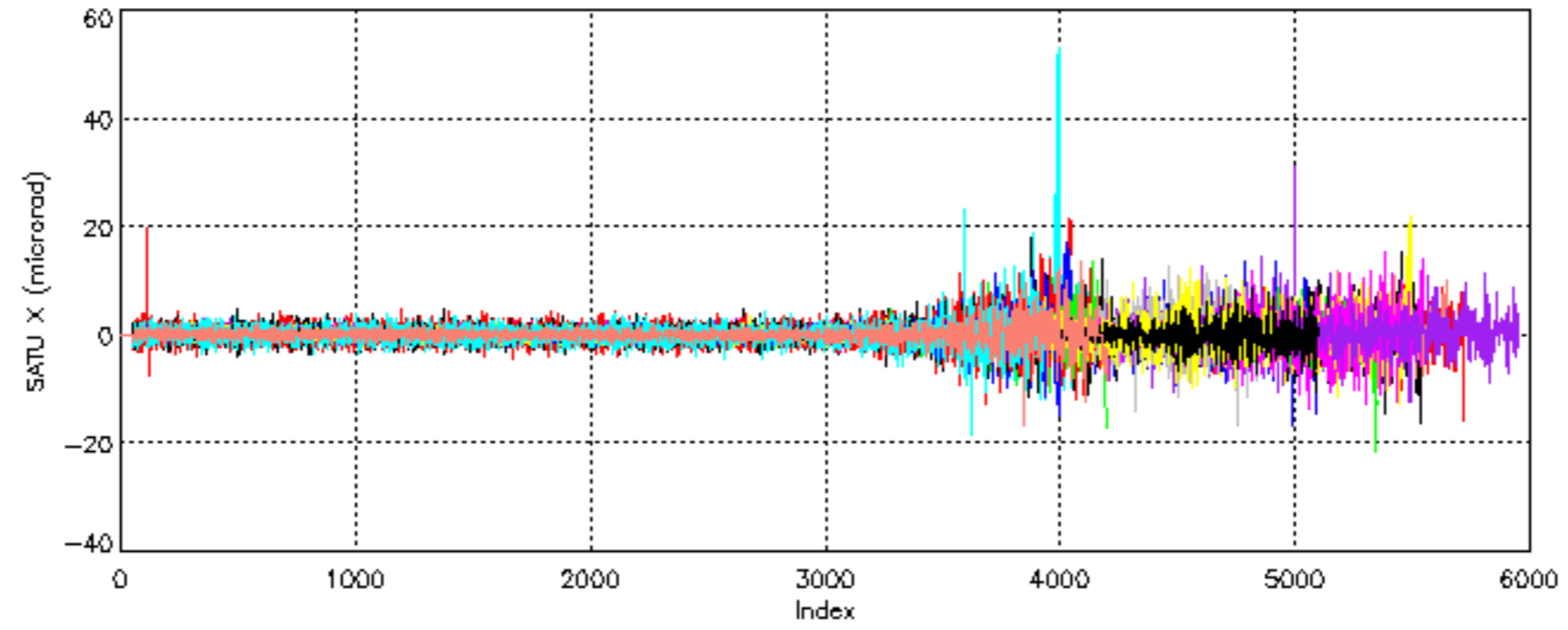


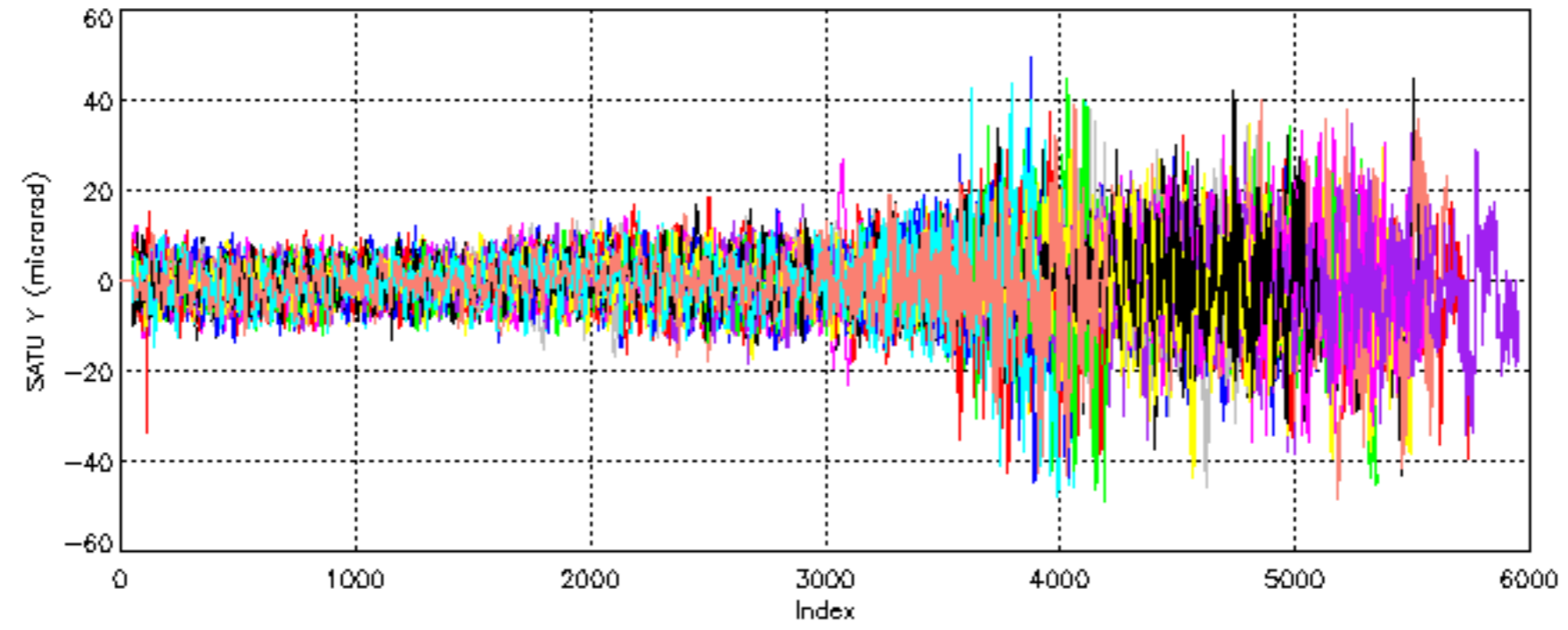
Tangent altitude at which the star is lost

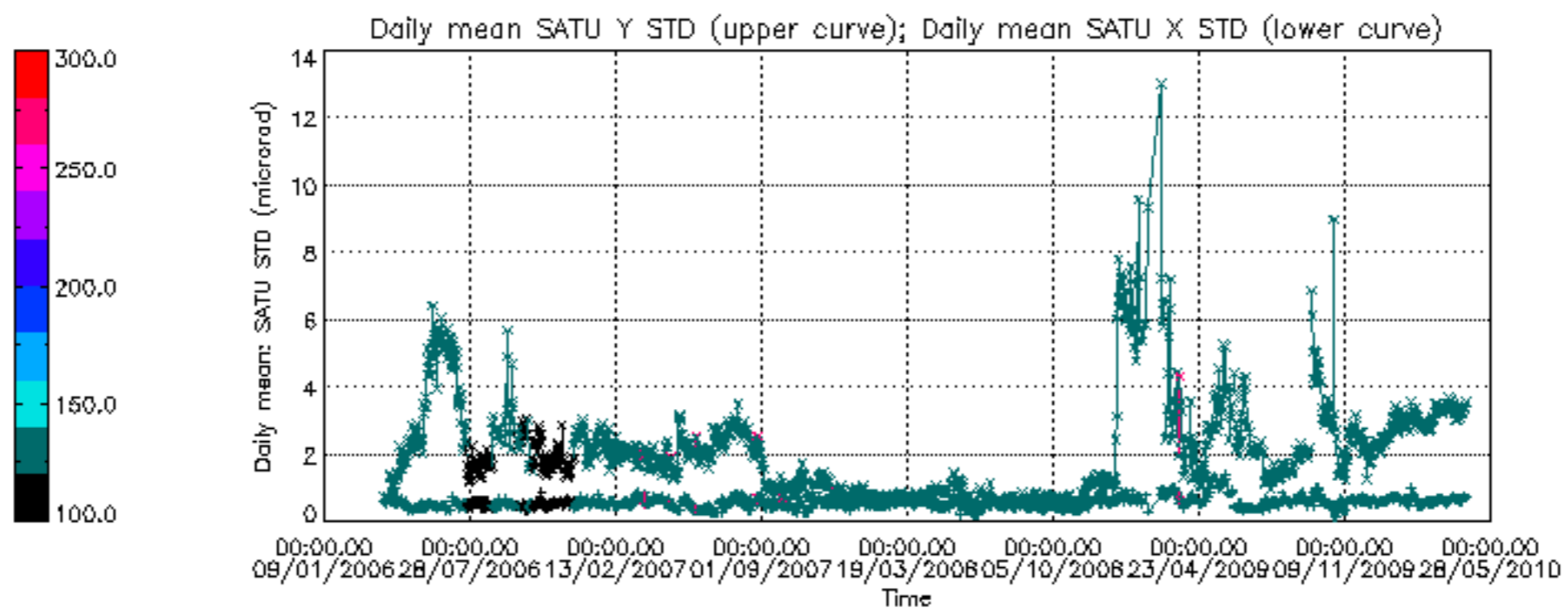


Tangent altitude at which the star is lost









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1; -315.4; 01-APR-2010 01:32:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42269
2; 65.0; 01-APR-2010 01:38:53; Dark ; 57.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 114; 0;42270
3; 293.1; 01-APR-2010 01:42:41; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42270
4; 515.4; 01-APR-2010 01:46:23; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;42270
5; 673.7; 01-APR-2010 01:49:02; Dark ; 54.5; 4; Alp1Cen ;-0.01; 5800;occ; 109; 0;42270
6; 838.3; 01-APR-2010 01:51:46; Dark ; 45.5; 78; Alp Lup ; 2.30; 28000;occ; 91; 0;42270
7; 934.5; 01-APR-2010 01:53:23; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;42270
8; 1098.8; 01-APR-2010 01:56:07; Dark ; 51.5; 54; 5The Cen ; 2.06; 4500;occ; 103; 0;42270
9; 1459.8; 01-APR-2010 02:02:08; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;42270
10; 1577.7; 01-APR-2010 02:04:06; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;42270
11; 1883.4; 01-APR-2010 02:09:11; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;42270
12; 2160.8; 01-APR-2010 02:13:49; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42270
13; 2256.9; 01-APR-2010 02:15:25; Bright; 37.0; 96; 68Del Leo ; 2.56; 9300;occ; 74; 0;42270
14; 2666.4; 01-APR-2010 02:22:15; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;42270
15; 2848.5; 01-APR-2010 02:25:17; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42270
16; 2958.0; 01-APR-2010 02:27:06; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;42270
17; 3338.3; 01-APR-2010 02:33:26; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42270

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100401_024250_000055142088_00132_42270_9780.N1

1;-2133.9; 01-APR-2010 02:42:50; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;42270
2;-1836.2; 01-APR-2010 02:47:48; Bright; 43.5; 144; 18Del Cyg ; 2.86; 11000;occ; 87; 0;42270
3;-1723.2; 01-APR-2010 02:49:41; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;42270
4;-1601.7; 01-APR-2010 02:51:42; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;42270
5; -314.5; 01-APR-2010 03:13:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42270
6; -148.2; 01-APR-2010 03:15:56; Dark ; 55.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 111; 0;42270
7; 66.3; 01-APR-2010 03:19:30; Dark ; 53.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 107; 0;42271
8; 294.5; 01-APR-2010 03:23:18; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42271
9; 515.9; 01-APR-2010 03:27:00; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42271
10; 674.2; 01-APR-2010 03:29:38; Dark ; 52.5; 4; Alp1Cen ;-0.01; 5800;occ; 105; 0;42271
11; 839.0; 01-APR-2010 03:32:23; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;42271
12; 935.3; 01-APR-2010 03:33:59; Dark ; 50.0; 81; Eta Cen ; 2.36; 28000;occ; 100; 0;42271
13; 1099.5; 01-APR-2010 03:36:44; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;42271
14; 1460.1; 01-APR-2010 03:42:44; Dark ; 47.5; 106; 9Bet Crv ; 2.65; 5600;occ; 95; 0;42271
15; 1578.0; 01-APR-2010 03:44:42; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;42271
16; 1883.1; 01-APR-2010 03:49:47; Bright; 44.5; 121; 29Gam Vir ; 2.74; 7200;occ; 89; 0;42271
17; 2160.7; 01-APR-2010 03:54:25; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;42271
18; 2257.1; 01-APR-2010 03:56:01; Bright; 37.0; 96; 68Del Leo ; 2.56; 9300;occ; 74; 0;42271
19; 2666.3; 01-APR-2010 04:02:50; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;42271
20; 2848.4; 01-APR-2010 04:05:52; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;42271
21; 2957.9; 01-APR-2010 04:07:42; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;42271
22; 3338.0; 01-APR-2010 04:14:02; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;42271

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1;-2134.0; 01-APR-2010 04:23:26; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;42271
2;-1836.3; 01-APR-2010 04:28:24; Bright; 46.5; 144; 18Del Cyg ; 2.86; 11000;occ; 93; 0;42271
3;-1723.1; 01-APR-2010 04:30:17; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;42271
4;-1601.9; 01-APR-2010 04:32:18; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;42271
5; -313.7; 01-APR-2010 04:53:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42271
6; -146.6; 01-APR-2010 04:56:33; Dark ; 55.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 111; 0;42271
7; 67.5; 01-APR-2010 05:00:08; Dark ; 55.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 111; 0;42272
8; 295.5; 01-APR-2010 05:03:56; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42272
9; 516.4; 01-APR-2010 05:07:36; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42272
10; 674.7; 01-APR-2010 05:10:15; Dark ; 41.0; 4; Alp1Cen ;-0.01; 5800;occ; 82; 0;42272
11; 839.6; 01-APR-2010 05:13:00; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;42272
12; 935.6; 01-APR-2010 05:14:36; Dark ; 47.0; 81; Eta Cen ; 2.36; 28000;occ; 94; 0;42272
13; 1100.1; 01-APR-2010 05:17:20; Dark ; 52.5; 54; 5The Cen ; 2.06; 4500;occ; 105; 0;42272
14; 1460.3; 01-APR-2010 05:23:20; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;42272
15; 1578.2; 01-APR-2010 05:25:18; Dark ; 42.5; 100; 4Gam Crv ; 2.58; 13100;occ; 85; 0;42272
16; 1688.2; 01-APR-2010 05:27:08; Dark ; 29.0; 15; 67Alp Vir ; 0.98; 28000;occ; 58; 0;42272
17; 1883.0; 01-APR-2010 05:30:23; Bright; 45.5; 121; 29Gam Vir ; 2.74; 7200;occ; 91; 0;42272
18; 2160.5; 01-APR-2010 05:35:01; Bright; 39.5; 62; 94Bet Leo ; 2.14; 9700;occ; 79; 0;42272
19; 2257.0; 01-APR-2010 05:36:37; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;42272
20; 2666.3; 01-APR-2010 05:43:26; Bright; 38.0; 174; 52Psi UMa ; 3.00; 4400;occ; 76; 0;42272
21; 2848.4; 01-APR-2010 05:46:28; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42272
22; 2958.0; 01-APR-2010 05:48:18; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;42272
23; 3337.6; 01-APR-2010 05:54:38; Bright; 57.5; 60; 7Bet UMi ; 2.08; 3950;occ; 115; 0;42272

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1; 941.5; 01-APR-2010 20:20:05; Dark ; 46.5; 81; Eta Cen ; 2.36; 28000;occ; 93; 0;42281
2; 1104.6; 01-APR-2010 20:22:48; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;42281

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3; 1462.1; 01-APR-2010 20:28:46; Dark ; 45.0; 106; 9Bet Crv ; 2.65; 5600;occ; 90; 0;42281
4; 1579.6; 01-APR-2010 20:30:43; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;42281
5; 1688.0; 01-APR-2010 20:32:31; Dark ; 54.0; 15; 67Alp Vir ; 0.98; 28000;occ; 108; 0;42281
6; 1882.1; 01-APR-2010 20:35:46; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;42281
7; 2159.5; 01-APR-2010 20:40:23; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42281
8; 2665.5; 01-APR-2010 20:48:49; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;42281
9; 2846.1; 01-APR-2010 20:51:49; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;42281
10; 2959.3; 01-APR-2010 20:53:43; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;42281
11; 3334.8; 01-APR-2010 20:59:58; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;42281
12; 3901.3; 01-APR-2010 21:09:25; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;42281
13; 4198.0; 01-APR-2010 21:14:21; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;42281
14; 4312.8; 01-APR-2010 21:16:16; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42281
15; 4435.5; 01-APR-2010 21:18:19; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;42281
16; 4829.5; 01-APR-2010 21:24:53; Dark ; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;42281
17; 5105.6; 01-APR-2010 21:29:29; Dark ; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;42281
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2; -132.8; 01-APR-2010 21:42:47; Dark ; 42.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 84; 0;42281
3; 80.8; 01-APR-2010 21:46:20; Dark ; 56.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 112; 0;42282
4; 306.4; 01-APR-2010 21:50:06; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;42282
5; 521.6; 01-APR-2010 21:53:41; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;42282
6; 679.4; 01-APR-2010 21:56:19; Dark ; 53.0; 4; Alp1Cen ; -0.01; 5800;occ; 106; 0;42282
7; 845.9; 01-APR-2010 21:59:05; Dark ; 48.0; 78; Alp Lup ; 2.30; 28000;occ; 96; 0;42282
8; 942.1; 01-APR-2010 22:00:41; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;42282
9; 1105.1; 01-APR-2010 22:03:24; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;42282
10; 1462.2; 01-APR-2010 22:09:21; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;42282
11; 1579.6; 01-APR-2010 22:11:19; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42282
12; 1688.0; 01-APR-2010 22:13:07; Dark ; 59.5; 15; 67Alp Vir ; 0.98; 28000;occ; 119; 0;42282
13; 1881.8; 01-APR-2010 22:16:21; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;42282
14; 2159.5; 01-APR-2010 22:20:59; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 81; 0;42282
15; 2665.8; 01-APR-2010 22:29:25; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;42282
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18; 3334.4; 01-APR-2010 22:40:34; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;42282
19; 3901.3; 01-APR-2010 22:50:01; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;42282
20; 4213.2; 01-APR-2010 22:55:12; Bright; 42.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 84; 0;42282
21; 4312.8; 01-APR-2010 22:56:52; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42282
22; 4435.4; 01-APR-2010 22:58:55; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;42282
23; 4829.9; 01-APR-2010 23:05:29; Dark ; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;42282
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2; -131.7; 01-APR-2010 23:23:23; Dark ; 36.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 72; 0;42282
3; 82.4; 01-APR-2010 23:26:58; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;42283
4; 307.6; 01-APR-2010 23:30:43; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42283
5; 522.1; 01-APR-2010 23:34:17; Dark ; 40.0; 134; Bet TrA ; 2.81; 6600;occ; 80; 0;42283
6; 680.0; 01-APR-2010 23:36:55; Dark ; 44.5; 4; Alp1Cen ; -0.01; 5800;occ; 89; 0;42283
7; 846.3; 01-APR-2010 23:39:41; Dark ; 46.0; 78; Alp Lup ; 2.30; 28000;occ; 92; 0;42283
8; 942.9; 01-APR-2010 23:41:18; Dark ; 46.5; 81; Eta Cen ; 2.36; 28000;occ; 93; 0;42283
9; 1105.5; 01-APR-2010 23:44:01; Dark ; 53.5; 54; 5The Cen ; 2.06; 4500;occ; 107; 0;42283
10; 1462.5; 01-APR-2010 23:49:58; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;42283
11; 1579.8; 01-APR-2010 23:51:55; Dark ; 44.5; 100; 4Gam Crv ; 2.58; 13100;occ; 89; 0;42283
12; 1687.6; 01-APR-2010 23:53:43; Dark ; 60.0; 15; 67Alp Vir ; 0.98; 28000;occ; 120; 0;42283
13; 1881.7; 01-APR-2010 23:56:57; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;42283
14; 2159.6; 02-APR-2010 00:01:35; Bright; 39.5; 62; 94Bet Leo ; 2.14; 9700;occ; 79; 0;42283
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20; 4213.4; 02-APR-2010 00:35:49; Bright; 45.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 90; 0;42283
21; 4312.7; 02-APR-2010 00:37:28; Bright; 45.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 90; 0;42283
22; 4435.6; 02-APR-2010 00:39:31; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;42283
23; 4830.0; 02-APR-2010 00:46:05; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;42283
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2; -1836.7; 01-APR-2010 06:08:59; Bright; 46.0; 144; 18Del Cyg ; 2.86; 11000;occ; 92; 0;42272

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7; 69.4; 01-APR-2010 06:40:45; Dark ; 53.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 107; 0;42273
8; 296.4; 01-APR-2010 06:44:32; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42273
9; 517.0; 01-APR-2010 06:48:13; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42273
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3; 2160.3; 01-APR-2010 07:15:36; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 80; 0;42273
4; 2257.0; 01-APR-2010 07:17:13; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;42273
5; 2666.2; 01-APR-2010 07:24:02; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;42273
6; 2848.1; 01-APR-2010 07:27:04; Bright; 40.0; 87; 64Gam UMa ; 2.43; 11000;occ; 80; 0;42273
7; 2957.7; 01-APR-2010 07:28:54; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;42273
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9; 3902.0; 01-APR-2010 07:44:38; Bright; 54.0; 89; 5Alp Cep ; 2.45; 8000;occ; 108; 0;42273
10; 4199.1; 01-APR-2010 07:49:35; Bright; 47.5; 144; 18Del Cyg ; 2.86; 11000;occ; 95; 0;42273
11; 4312.8; 01-APR-2010 07:51:29; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;42273
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13; 5723.8; 01-APR-2010 08:15:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42273
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22; 7496.6; 01-APR-2010 08:44:33; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;42274
23; 7614.5; 01-APR-2010 08:46:30; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42274
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3; 2160.4; 01-APR-2010 08:56:12; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 81; 0;42274
4; 2666.1; 01-APR-2010 09:04:38; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;42274
5; 2847.7; 01-APR-2010 09:07:40; Bright; 39.0; 87; 64Gam UMa ; 2.43; 11000;occ; 78; 0;42274
6; 2957.7; 01-APR-2010 09:09:30; Bright; 39.5; 36; 50Alp UMa ; 1.80; 6300;occ; 79; 0;42274
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8; 3901.7; 01-APR-2010 09:25:14; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;42274
9; 4199.3; 01-APR-2010 09:30:11; Bright; 48.0; 144; 18Del Cyg ; 2.86; 11000;occ; 96; 0;42274
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11; 4434.5; 01-APR-2010 09:34:06; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;42274
12; 5724.6; 01-APR-2010 09:55:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42274
13; 5893.5; 01-APR-2010 09:58:25; Dark ; 57.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 114; 0;42274
14; 6107.5; 01-APR-2010 10:01:59; Dark ; 54.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 109; 0;42275
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19; 6973.6; 01-APR-2010 10:16:26; Dark ; 50.0; 81; Eta Cen ; 2.36; 28000;occ; 100; 0;42275
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21; 7497.0; 01-APR-2010 10:25:09; Dark ; 47.5; 106; 9Bet Crv ; 2.65; 5600;occ; 95; 0;42275
22; 7614.6; 01-APR-2010 10:27:07; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42275
23; 7724.2; 01-APR-2010 10:28:56; Dark ; 9.0; 15; 67Alp Vir ; 0.98; 28000;occ; 18; 0;42275

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3; 2160.3; 01-APR-2010 10:36:48; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42275
4; 2666.1; 01-APR-2010 10:45:14; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;42275

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6; 2957.7; 01-APR-2010 10:50:06; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;42275
7; 3336.6; 01-APR-2010 10:56:24; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;42275
8; 3901.8; 01-APR-2010 11:05:50; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;42275
9; 4199.0; 01-APR-2010 11:10:47; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;42275
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5; 73.1; 01-APR-2010 11:42:37; Dark ; 56.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 112; 0;42276
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9; 841.9; 01-APR-2010 11:55:26; Dark ; 46.0; 78; Alp Lup ; 2.30; 28000;occ; 92; 0;42276
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11; 1101.8; 01-APR-2010 11:59:46; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;42276
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13; 1578.4; 01-APR-2010 12:07:42; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42276
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5; 2665.9; 01-APR-2010 12:25:50; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;42276
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9; 3901.8; 01-APR-2010 12:46:25; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;42276
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 21; 2814.4; 21-APR-2010 06:57:43; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;42559
 22; 3251.8; 21-APR-2010 07:05:01; Bright; 55.5; 60; 7Bet UMi ; 2.08; 3950;occ; 111; 0;42559

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 23; 4736.6; 21-APR-2010 22:35:09; Dark ; 42.0; 90; 54Alp Peg ; 2.49; 11000;occ; 84; 0;42568
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 27; 5404.4; 21-APR-2010 22:46:17; Dark ; 35.0; 142; 49Del Cap ; 2.85; 8900;occ; 70; 0;42568

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 6; 989.9; 21-APR-2010 23:13:18; Dark ; 41.0; 78; Alp Lup ; 2.30; 28000;occ; 82; 0;42569
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 22; 5090.7; 22-APR-2010 00:21:39; Dark ; 47.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 94; 0;42569
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6; 2779.0; 28-APR-2010 18:21:12; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42666
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9; 3838.4; 28-APR-2010 18:38:51; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;42666
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5; 1120.4; 29-APR-2010 00:35:57; Dark ; 40.0; 81; Eta Cen ; 2.36; 28000;occ; 80; 0;42670
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7; 2239.1; 29-APR-2010 00:54:36; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;42670
8; 2472.6; 29-APR-2010 00:58:29; Bright; 48.0; 83; ; 2.38; 11000;occ; 96; 0;42670
9; 2650.8; 29-APR-2010 01:01:27; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;42670
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 13; 4146.5; 29-APR-2010 21:33:34; Bright; 60.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 121; 0;42682
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