

GOMOS Daily Report 08-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	09APR2010 04:44:59
Data source version	GOMOS/5.00L04
Start time of products	08APR2010 00:01:43
Stop time of products	08APR2010 23:54:03
Store outputs in DB	Yes
Nb of level 1b prods	141
Nb of prods with errors	1

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

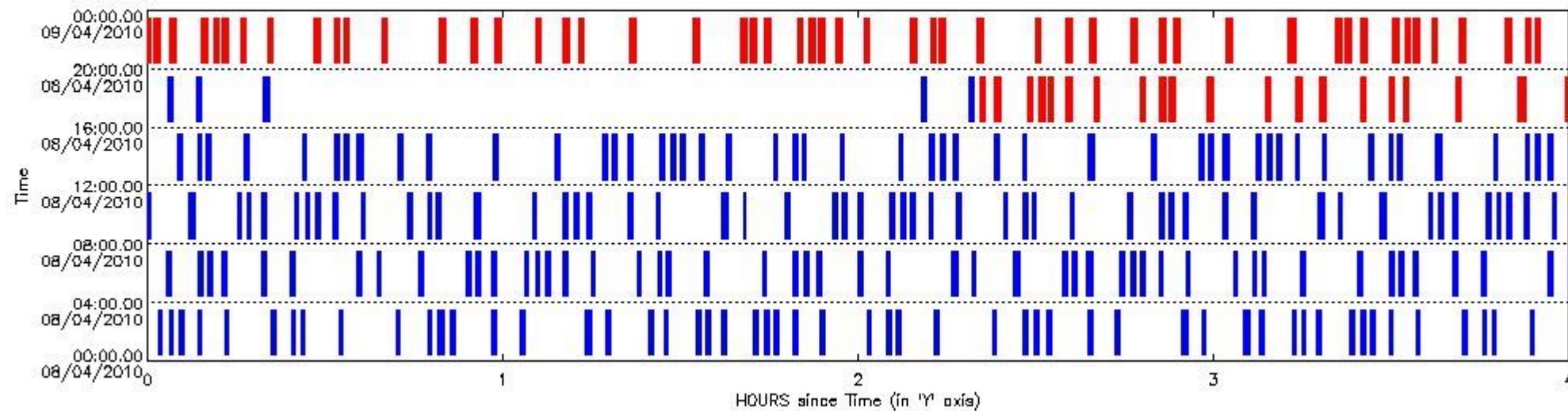
2.1 Level 0 products arrived in PCF (see template [here](#))

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
08-APR-2010 18:20:25	EtaCen	81	42380
08-APR-2010 18:22:58	5TheCen	54	42380
08-APR-2010 18:28:27	9BetCrv	106	42380
08-APR-2010 18:30:31	7DelCrv	163	42380
08-APR-2010 18:31:55	67AlpVir	15	42380
08-APR-2010 18:35:02	29GamVir	121	42380
08-APR-2010 18:39:42	94BetLeo	62	42380
08-APR-2010 18:47:30	12Alp2CVn	152	42380
08-APR-2010 18:50:55	64GamUMa	87	42380
08-APR-2010 18:52:24	77EpsUMa	32	42380
08-APR-2010 18:58:50	7BetUMi	60	42380
08-APR-2010 19:08:39	5AlpCep	89	42380
08-APR-2010 19:13:54	50AlpCyg	19	42380
08-APR-2010 19:17:52	53EpsCyg	92	42380
08-APR-2010 19:24:47	8EpsPeg	61	42380

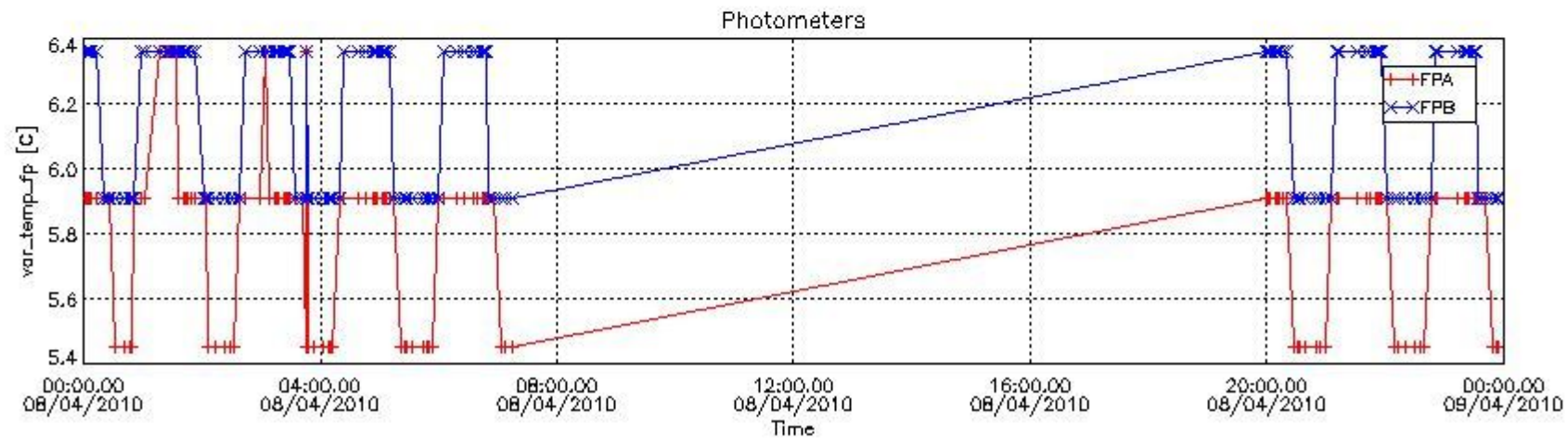
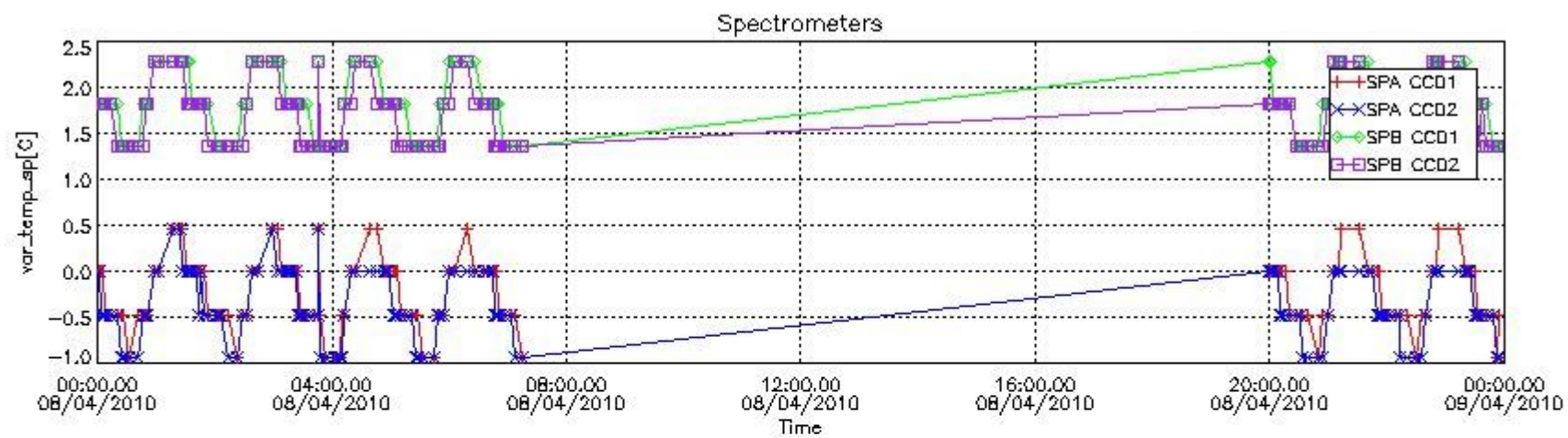
08-APR-2010 19:29:35	22BetAqr	154	42380
08-APR-2010 19:32:04	49DelCap	142	42380
08-APR-2010 19:40:47	DSA1040	0	42380
08-APR-2010 19:51:20	TheSco	40	42381
08-APR-2010 19:59:25	AlpLup	78	42381
08-APR-2010 20:01:02	EtaCen	81	42381
08-APR-2010 20:03:34	5TheCen	54	42381
08-APR-2010 20:09:03	9BetCrv	106	42381
08-APR-2010 20:11:07	7DelCrv	163	42381
08-APR-2010 20:12:31	67AlpVir	15	42381
08-APR-2010 20:15:37	29GamVir	121	42381
08-APR-2010 20:20:17	94BetLeo	62	42381
08-APR-2010 20:28:06	12Alp2CVn	152	42381
08-APR-2010 20:31:31	64GamUMa	87	42381
08-APR-2010 20:32:59	77EpsUMa	32	42381
08-APR-2010 20:39:25	7BetUMi	60	42381
08-APR-2010 20:49:15	5AlpCep	89	42381
08-APR-2010 20:54:30	50AlpCyg	19	42381
08-APR-2010 20:58:28	53EpsCyg	92	42381
08-APR-2010 21:05:23	8EpsPeg	61	42381
08-APR-2010 21:10:12	22BetAqr	154	42381
08-APR-2010 21:12:41	49DelCap	142	42381
08-APR-2010 21:21:24	DSA1040	0	42381
08-APR-2010 21:31:57	TheSco	40	42382
08-APR-2010 21:40:02	AlpLup	78	42382
08-APR-2010 21:41:38	EtaCen	81	42382
08-APR-2010 21:44:10	5TheCen	54	42382
08-APR-2010 21:49:39	9BetCrv	106	42382
08-APR-2010 21:51:43	7DelCrv	163	42382
08-APR-2010 21:53:07	67AlpVir	15	42382
08-APR-2010 21:56:13	29GamVir	121	42382
08-APR-2010 22:00:53	94BetLeo	62	42382
08-APR-2010 22:08:41	12Alp2CVn	152	42382
08-APR-2010 22:12:06	64GamUMa	87	42382
08-APR-2010 22:13:35	77EpsUMa	32	42382
08-APR-2010 22:20:01	7BetUMi	60	42382
08-APR-2010 22:29:51	5AlpCep	89	42382
08-APR-2010 22:35:06	50AlpCyg	19	42382
08-APR-2010 22:39:04	53EpsCyg	92	42382
08-APR-2010 22:46:00	8EpsPeg	61	42382
08-APR-2010 22:50:48	22BetAqr	154	42382
08-APR-2010 22:53:17	49DelCap	142	42382
08-APR-2010 23:02:01	DSA1040	0	42382
08-APR-2010 23:12:34	TheSco	40	42383
08-APR-2010 23:20:38	AlpLup	78	42383
08-APR-2010 23:22:15	EtaCen	81	42383
08-APR-2010 23:24:47	5TheCen	54	42383
08-APR-2010 23:30:16	9BetCrv	106	42383
08-APR-2010 23:32:19	7DelCrv	163	42383
08-APR-2010 23:33:43	67AlpVir	15	42383
08-APR-2010 23:36:49	29GamVir	121	42383
08-APR-2010 23:41:29	94BetLeo	62	42383
08-APR-2010 23:49:17	12Alp2CVn	152	42383
08-APR-2010 23:52:42	64GamUMa	87	42383
08-APR-2010 23:54:11	77EpsUMa	32	42383

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100408_000143_000000432088_00231_42369_2516.N1	08-APR-2010 00:01:43	Twilight	42.500	106	9Bet Crv	2.6480	5600.0	85	42369	No
2	GOM_TRA_1PNPDE20100408_000336_000000432088_00231_42369_2517.N1	08-APR-2010 00:03:36	Twilight	42.500	100	4Gam Crv	2.5800	13100.	85	42369	No
3	GOM_TRA_1PNPDE20100408_000512_000000522088_00231_42369_2518.N1	08-APR-2010 00:05:12	Bright	51.500	15	67Alp Vir	0.97600	28000.	103	42369	No
4	GOM_TRA_1PNPDE20100408_000820_000000422088_00231_42369_2519.N1	08-APR-2010 00:08:20	Bright	41.500	121	29Gam Vir	2.7400	7200.0	83	42369	No
5	GOM_TRA_1PNPDE20100408_001259_000000382088_00231_42369_2520.N1	08-APR-2010 00:12:59	Bright	37.500	62	94Bet Leo	2.1360	9700.0	75	42369	No
6	GOM_TRA_1PNPDE20100408_002053_000000422088_00231_42369_2521.N1	08-APR-2010 00:20:53	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	42369	No
7	GOM_TRA_1PNPDE20100408_002414_000000382088_00231_42369_2522.N1	08-APR-2010 00:24:14	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	42369	No
8	GOM_TRA_1PNPDE20100408_002545_000000392088_00231_42369_2523.N1	08-APR-2010 00:25:45	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	42369	No
9	GOM_TRA_1PNPDE20100408_003211_000000412088_00231_42369_2524.N1	08-APR-2010 00:32:11	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	42369	No
10	GOM_TRA_1PNPDE20100408_004158_000000392088_00231_42369_2525.N1	08-APR-2010 00:41:58	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	42369	No
11	GOM_TRA_1PNPDE20100408_004712_000000452088_00231_42369_2526.N1	08-APR-2010 00:47:12	Bright	45.000	19	50Alp Cyg	1.2460	10500.	90	42369	No
12	GOM_TRA_1PNPDE20100408_004855_000000672088_00231_42369_2527.N1	08-APR-2010 00:48:55	Bright	67.000	66	37Gam Cyg	2.2080	5900.0	134	42369	No
13	GOM_TRA_1PNPDE20100408_005109_000000502088_00231_42369_2528.N1	08-APR-2010 00:51:09	Bright	49.500	92	53Eps Cyg	2.5000	4500.0	99	42369	No
14	GOM_TRA_1PNPDE20100408_005801_000000482088_00231_42369_2529.N1	08-APR-2010 00:58:01	Twilight	47.500	61	8Eps Peg	2.1000	3900.0	95	42369	No
15	GOM_TRA_1PNPDE20100408_010248_000000452088_00231_42369_2530.N1	08-APR-2010 01:02:48	Dark	45.000	154	22Bet Aqr	2.8990	5700.0	90	42369	No
16	GOM_TRA_1PNPDE20100408_011724_000000392088_00231_42369_2542.N1	08-APR-2010 01:17:24	Dark	39.000	103	38Zet Sgr	2.6000	9700.0	78	42369	No
17	GOM_TRA_1PNPDE20100408_012426_000000552088_00232_42370_2543.N1	08-APR-2010 01:24:26	Dark	54.500	40	The Sco	1.8590	7100.0	109	42370	No
18	GOM_TRA_1PNPDE20100408_012707_000000402088_00232_42370_2544.N1	08-APR-2010 01:27:07	Dark	40.000	134	Bet TrA	2.8100	6600.0	80	42370	No
19	GOM_TRA_1PNPDE20100408_013237_000000452088_00232_42370_2545.N1	08-APR-2010 01:32:37	Straylight	45.000	78	Alp Lup	2.3040	28000.	90	42370	No
20	GOM_TRA_1PNPDE20100408_013414_000000482088_00232_42370_2546.N1	08-APR-2010 01:34:14	Straylight	47.500	81	Eta Cen	2.3560	28000.	95	42370	No
21	GOM_TRA_1PNPDE20100408_013647_000000542088_00232_42370_2547.N1	08-APR-2010 01:36:47	Straylight	54.000	54	5The Cen	2.0550	4500.0	108	42370	No
22	GOM_TRA_1PNPDE20100408_014219_000000462088_00232_42370_2548.N1	08-APR-2010 01:42:19	Twilight	46.000	106	9Bet Crv	2.6480	5600.0	92	42370	No
23	GOM_TRA_1PNPDE20100408_014412_000000452088_00232_42370_2549.N1	08-APR-2010 01:44:12	Twilight	45.000	100	4Gam Crv	2.5800	13100.	90	42370	No
24	GOM_TRA_1PNPDE20100408_014548_000000502088_00232_42370_2550.N1	08-APR-2010 01:45:48	Bright	49.500	15	67Alp Vir	0.97600	28000.	99	42370	No
25	GOM_TRA_1PNPDE20100408_014856_000000422088_00232_42370_2551.N1	08-APR-2010 01:48:56	Bright	42.000	121	29Gam Vir	2.7400	7200.0	84	42370	No
26	GOM_TRA_1PNPDE20100408_015335_000000372088_00232_42370_2552.N1	08-APR-2010 01:53:35	Bright	37.000	62	94Bet Leo	2.1360	9700.0	74	42370	No
27	GOM_TRA_1PNPDE20100408_020128_000000422088_00232_42370_2553.N1	08-APR-2010 02:01:28	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	42370	No
28	GOM_TRA_1PNPDE20100408_020450_000000372088_00232_42370_2554.N1	08-APR-2010 02:04:50	Bright	37.000	87	64Gam UMa	2.4330	11000.	74	42370	No
29	GOM_TRA_1PNPDE20100408_020621_000000412088_00232_42370_2555.N1	08-APR-2010 02:06:21	Bright	41.000	32	77Eps UMa	1.7630	11000.	82	42370	No
30	GOM_TRA_1PNPDE20100408_021246_000000412088_00232_42370_2556.N1	08-APR-2010 02:12:46	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	42370	No
31	GOM_TRA_1PNPDE20100408_022234_000000382088_00232_42370_2557.N1	08-APR-2010 02:22:34	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	42370	No
32	GOM_TRA_1PNPDE20100408_022748_000000442088_00232_42370_2558.N1	08-APR-2010 02:27:48	Bright	44.000	19	50Alp Cyg	1.2460	10500.	88	42370	No
33	GOM_TRA_1PNPDE20100408_022931_000000492088_00232_42370_2559.N1	08-APR-2010 02:29:31	Bright	49.000	66	37Gam Cyg	2.2080	5900.0	98	42370	No
34	GOM_TRA_1PNPDE20100408_023145_000000502088_00232_42370_2560.N1	08-APR-2010 02:31:45	Bright	49.500	92	53Eps Cyg	2.5000	4500.0	99	42370	No
35	GOM_TRA_1PNPDE20100408_023837_000000532088_00232_42370_2561.N1	08-APR-2010 02:38:37	Twilight	52.500	61	8Eps Peg	2.1000	3900.0	105	42370	No
36	GOM_TRA_1PNPDE20100408_024324_000000452088_00232_42370_2562.N1	08-APR-2010 02:43:24	Dark	44.500	154	22Bet Aqr	2.8990	5700.0	89	42370	No
37	GOM_TRA_1PNPDE20100408_025801_000000352088_00232_42370_2563.N1	08-APR-2010 02:58:01	Dark	35.000	103	38Zet Sgr	2.6000	9700.0	70	42370	No
38	GOM_TRA_1PNPDE20100408_030503_000000562088_00233_42371_2564.N1	08-APR-2010 03:05:03	Dark	55.500	40	The Sco	1.8590	7100.0	111	42371	No
39	GOM_TRA_1PNPDE20100408_030744_000000382088_00233_42371_2565.N1	08-APR-2010 03:07:44	Dark	37.500	134	Bet TrA	2.8100	6600.0	75	42371	No
40	GOM_TRA_1PNPDE20100408_031313_000000422088_00233_42371_2566.N1	08-APR-2010 03:13:13	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	42371	No
41	GOM_TRA_1PNPDE20100408_031450_000000442088_00233_42371_2567.N1	08-APR-2010 03:14:50	Straylight	44.000	81	Eta Cen	2.3560	28000.	88	42371	No
42	GOM_TRA_1PNPDE20100408_031723_000000502088_00233_42371_2568.N1	08-APR-2010 03:17:23	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	42371	No
43	GOM_TRA_1PNPDE20100408_032255_000000442088_00233_42371_2569.N1	08-APR-2010 03:22:55	Twilight	44.000	106	9Bet Crv	2.6480	5600.0	88	42371	No
44	GOM_TRA_1PNPDE20100408_032448_000000422088_00233_42371_2570.N1	08-APR-2010 03:24:48	Twilight	42.000	100	4Gam Crv	2.5800	13100.	84	42371	No
45	GOM_TRA_1PNPDE20100408_032624_000000542088_00233_42371_2571.N1	08-APR-2010 03:26:24	Bright	53.500	15	67Alp Vir	0.97600	28000.	107	42371	No
46	GOM_TRA_1PNPDE20100408_032932_000000402088_00233_42371_2572.N1	08-APR-2010 03:29:32	Bright	39.500	121	29Gam Vir	2.7400	7200.0	79	42371	No
47	GOM_TRA_1PNPDE20100408_033411_000000382088_00233_42371_2573.N1	08-APR-2010 03:34:11	Bright	37.500	62	94Bet Leo	2.1360	9700.0	75	42371	No
48	GOM_TRA_1PNPDE20100408_034204_000000412088_00233_42371_2574.N1	08-APR-2010 03:42:04	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	42371	No
49	GOM_TRA_1PNPDE20100408_034526_000000362088_00233_42371_2575.N1	08-APR-2010 03:45:26	Bright	36.000	87	64Gam UMa	2.4330	11000.	72	42371	No
50	GOM_TRA_1PNPDE20100408_034526_000000372088_00233_42371_2567.N1	08-APR-2010 03:45:26	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	42371	Yes
51	GOM_TRA_1PNPDE20100408_034657_000000402088_00233_42371_2568.N1	08-APR-2010 03:46:57	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	42371	No
52	GOM_TRA_1PNPDE20100408_035322_000000442088_00233_42371_2569.N1	08-APR-2010 03:53:22	Bright	43.500	60	7Bet UMi	2.0810	3950.0	87	42371	No
53	GOM_TRA_1PNPDE20100408_040310_000000402088_00233_42371_2570.N1	08-APR-2010 04:03:10	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	42371	No
54	GOM_TRA_1PNPDE20100408_040824_000000452088_00233_42371_2571.N1	08-APR-2010 04:08:24	Bright	44.500	19	50Alp Cyg	1.2460	10500.	89	42371	No
55	GOM_TRA_1PNPDE20100408_041007_000000502088_00233_42371_2572.N1	08-APR-2010 04:10:07	Bright	49.500	66	37Gam Cyg	2.2080	5900.0	99	42371	No
56	GOM_TRA_1PNPDE20100408_041221_000000512088_00233_42371_2573.N1	08-APR-2010 04:12:21	Bright	50.500	92	53Eps Cyg	2.5000	4500.0	101	42371	No
57	GOM_TRA_1PNPDE20100408_041913_000000472088_00233_42371_2574.N1	08-APR-2010 04:19:13	Twilight	47.000	61	8Eps Peg	2.1000	3900.0	94	42371	No
58	GOM_TRA_1PNPDE20100408_042400_000000472088_00233_42371_2575.N1	08-APR-2010 04:24:00	Dark	47.000	154	22Bet Aqr	2.8990	5700.0	94	42371	No

59	GOM_TRA_1PNPDE20100408_043839_000000352088_00233_42371_2576.N1	08-APR-2010 04:38:39	Dark	35.000	103	38Zet Sgr	2.6000	9700.0	70	42371	No
60	GOM_TRA_1PNPDE20100408_044540_000000512088_00234_42372_2577.N1	08-APR-2010 04:45:40	Dark	50.500	40	The Sco	1.8590	7100.0	101	42372	No
61	GOM_TRA_1PNPDE20100408_045350_000000442088_00234_42372_2578.N1	08-APR-2010 04:53:50	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	42372	No
62	GOM_TRA_1PNPDE20100408_045527_000000462088_00234_42372_2579.N1	08-APR-2010 04:55:27	Straylight	46.000	81	Eta Cen	2.3560	28000.	92	42372	No
63	GOM_TRA_1PNPDE20100408_045800_000000532088_00234_42372_2580.N1	08-APR-2010 04:58:00	Straylight	52.500	54	5The Cen	2.0550	4500.0	105	42372	No
64	GOM_TRA_1PNPDE20100408_050331_000000422088_00234_42372_2581.N1	08-APR-2010 05:03:31	Tw_i_and_stray	42.000	106	9Bet Crv	2.6480	5600.0	84	42372	No
65	GOM_TRA_1PNPDE20100408_050524_000000422088_00234_42372_2582.N1	08-APR-2010 05:05:24	Tw_i_and_stray	41.500	100	4Gam Crv	2.5800	13100.	83	42372	No
66	GOM_TRA_1PNPDE20100408_050700_000000542088_00234_42372_2583.N1	08-APR-2010 05:07:00	Bright	54.000	15	67Alp Vir	0.97600	28000.	108	42372	No
67	GOM_TRA_1PNPDE20100408_051008_000000412088_00234_42372_2584.N1	08-APR-2010 05:10:08	Bright	41.000	121	29Gam Vir	2.7400	7200.0	82	42372	No
68	GOM_TRA_1PNPDE20100408_051447_000000382088_00234_42372_2585.N1	08-APR-2010 05:14:47	Bright	38.000	62	94Bet Leo	2.1360	9700.0	76	42372	No
69	GOM_TRA_1PNPDE20100408_052240_000000402088_00234_42372_2586.N1	08-APR-2010 05:22:40	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	42372	No
70	GOM_TRA_1PNPDE20100408_052602_000000392088_00234_42372_2587.N1	08-APR-2010 05:26:02	Bright	38.500	87	64Gam UMa	2.4330	11000.	77	42372	No
71	GOM_TRA_1PNPDE20100408_052732_000000392088_00234_42372_2588.N1	08-APR-2010 05:27:32	Bright	38.500	32	77Eps UMa	1.7630	11000.	77	42372	No
72	GOM_TRA_1PNPDE20100408_053358_000000392088_00234_42372_2589.N1	08-APR-2010 05:33:58	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	42372	No
73	GOM_TRA_1PNPDE20100408_054346_000000372088_00234_42372_2601.N1	08-APR-2010 05:43:46	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	42372	No
74	GOM_TRA_1PNPDE20100408_054900_000000452088_00234_42372_2602.N1	08-APR-2010 05:49:00	Bright	44.500	19	50Alp Cyg	1.2460	10500.	89	42372	No
75	GOM_TRA_1PNPDE20100408_055043_000000512088_00234_42372_2603.N1	08-APR-2010 05:50:43	Bright	50.500	66	37Gam Cyg	2.2080	5900.0	101	42372	No
76	GOM_TRA_1PNPDE20100408_055257_000000492088_00234_42372_2604.N1	08-APR-2010 05:52:57	Bright	48.500	92	53Eps Cyg	2.5000	4500.0	97	42372	No
77	GOM_TRA_1PNPDE20100408_055950_000000502088_00234_42372_2605.N1	08-APR-2010 05:59:50	Tw_i_and_stray	49.500	61	8Eps Peg	2.1000	3900.0	99	42372	No
78	GOM_TRA_1PNPDE20100408_060437_000000462088_00234_42372_2606.N1	08-APR-2010 06:04:37	Dark	46.000	154	22Bet Aqr	2.8990	5700.0	92	42372	No
79	GOM_TRA_1PNPDE20100408_061916_000000312088_00234_42372_2607.N1	08-APR-2010 06:19:16	Dark	31.000	103	38Zet Sgr	2.6000	9700.0	62	42372	No
80	GOM_TRA_1PNPDE20100408_062617_000000542088_00235_42373_2608.N1	08-APR-2010 06:26:17	Dark	53.500	40	The Sco	1.8590	7100.0	107	42373	No
81	GOM_TRA_1PNPDE20100408_063426_000000492088_00235_42373_2609.N1	08-APR-2010 06:34:26	Straylight	48.500	78	Alp Lup	2.3040	28000.	97	42373	No
82	GOM_TRA_1PNPDE20100408_063603_000000482088_00235_42373_2610.N1	08-APR-2010 06:36:03	Straylight	48.000	81	Eta Cen	2.3560	28000.	96	42373	No
83	GOM_TRA_1PNPDE20100408_063836_000000502088_00235_42373_2611.N1	08-APR-2010 06:38:36	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	42373	No
84	GOM_TRA_1PNPDE20100408_064408_000000452088_00235_42373_2612.N1	08-APR-2010 06:44:08	Tw_i_and_stray	44.500	106	9Bet Crv	2.6480	5600.0	89	42373	No
85	GOM_TRA_1PNPDE20100408_064601_000000422088_00235_42373_2613.N1	08-APR-2010 06:46:01	Tw_i_and_stray	42.000	100	4Gam Crv	2.5800	13100.	84	42373	No
86	GOM_TRA_1PNPDE20100408_064736_000000542088_00235_42373_2614.N1	08-APR-2010 06:47:36	Bright	53.500	15	67Alp Vir	0.97600	28000.	107	42373	No
87	GOM_TRA_1PNPDE20100408_065043_000000422088_00235_42373_2615.N1	08-APR-2010 06:50:43	Bright	41.500	121	29Gam Vir	2.7400	7200.0	83	42373	No
88	GOM_TRA_1PNPDE20100408_065523_000000382088_00235_42373_2616.N1	08-APR-2010 06:55:23	Bright	37.500	62	94Bet Leo	2.1360	9700.0	75	42373	No
89	GOM_TRA_1PNPDE20100408_070315_000000402088_00235_42373_2617.N1	08-APR-2010 07:03:15	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	42373	No
90	GOM_TRA_1PNPDE20100408_070637_000000372088_00235_42373_2618.N1	08-APR-2010 07:06:37	Bright	37.000	87	64Gam UMa	2.4330	11000.	74	42373	No
91	GOM_TRA_1PNPDE20100408_070808_000000412088_00235_42373_2619.N1	08-APR-2010 07:08:08	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	42373	No
92	GOM_TRA_1PNPDE20100408_071433_000000572088_00235_42373_2620.N1	08-APR-2010 07:14:33	Bright	56.500	60	7Bet UMi	2.0810	3950.0	113	42373	No
93	GOM_TRA_1PNPDE20100408_195918_000000452088_00243_42381_2698.N1	08-APR-2010 19:59:18	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	42381	No
94	GOM_TRA_1PNPDE20100408_200055_000000482088_00243_42381_2699.N1	08-APR-2010 20:00:55	Straylight	47.500	81	Eta Cen	2.3560	28000.	95	42381	No
95	GOM_TRA_1PNPDE20100408_200327_000000502088_00243_42381_2700.N1	08-APR-2010 20:03:27	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	42381	No
96	GOM_TRA_1PNPDE20100408_200856_000000442088_00243_42381_2701.N1	08-APR-2010 20:08:56	Tw_i_and_stray	44.000	106	9Bet Crv	2.6480	5600.0	88	42381	No
97	GOM_TRA_1PNPDE20100408_201100_000000432088_00243_42381_2702.N1	08-APR-2010 20:11:00	Tw_i_and_stray	42.500	163	7Del Crv	2.9450	11000.	85	42381	No
98	GOM_TRA_1PNPDE20100408_201224_000000542088_00243_42381_2703.N1	08-APR-2010 20:12:24	Bright	53.500	15	67Alp Vir	0.97600	28000.	107	42381	No
99	GOM_TRA_1PNPDE20100408_201530_000000422088_00243_42381_2704.N1	08-APR-2010 20:15:30	Bright	42.000	121	29Gam Vir	2.7400	7200.0	84	42381	No
100	GOM_TRA_1PNPDE20100408_202010_000000372088_00243_42381_2705.N1	08-APR-2010 20:20:10	Bright	36.500	62	94Bet Leo	2.1360	9700.0	73	42381	No
101	GOM_TRA_1PNPDE20100408_202759_000000412088_00243_42381_2706.N1	08-APR-2010 20:27:59	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	42381	No
102	GOM_TRA_1PNPDE20100408_203124_000000382088_00243_42381_2707.N1	08-APR-2010 20:31:24	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	42381	No
103	GOM_TRA_1PNPDE20100408_203252_000000392088_00243_42381_2708.N1	08-APR-2010 20:32:52	Bright	38.500	32	77Eps UMa	1.7630	11000.	77	42381	No
104	GOM_TRA_1PNPDE20100408_203918_000000412088_00243_42381_2709.N1	08-APR-2010 20:39:18	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	42381	No
105	GOM_TRA_1PNPDE20100408_204908_000000402088_00243_42381_2710.N1	08-APR-2010 20:49:08	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	42381	No
106	GOM_TRA_1PNPDE20100408_205423_000000452088_00243_42381_2711.N1	08-APR-2010 20:54:23	Bright	44.500	19	50Alp Cyg	1.2460	10500.	89	42381	No
107	GOM_TRA_1PNPDE20100408_205821_000000482088_00243_42381_2712.N1	08-APR-2010 20:58:21	Bright	48.000	92	53Eps Cyg	2.5000	4500.0	96	42381	No
108	GOM_TRA_1PNPDE20100408_210516_000000482088_00243_42381_2713.N1	08-APR-2010 21:05:16	Tw_i_and_stray	47.500	61	8Eps Peg	2.1000	3900.0	95	42381	No
109	GOM_TRA_1PNPDE20100408_211005_000000472088_00243_42381_2717.N1	08-APR-2010 21:10:05	Dark	47.000	154	22Bet Aqr	2.8990	5700.0	94	42381	No
110	GOM_TRA_1PNPDE20100408_211234_000000442088_00243_42381_2718.N1	08-APR-2010 21:12:34	Dark	43.500	142	49Del Cap	2.8500	8900.0	87	42381	No
111	GOM_TRA_1PNPDE20100408_213150_000000532088_00244_42382_2719.N1	08-APR-2010 21:31:50	Dark	53.000	40	The Sco	1.8590	7100.0	106	42382	No
112	GOM_TRA_1PNPDE20100408_213955_000000432088_00244_42382_2720.N1	08-APR-2010 21:39:55	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	42382	No
113	GOM_TRA_1PNPDE20100408_214131_000000472088_00244_42382_2721.N1	08-APR-2010 21:41:31	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	42382	No
114	GOM_TRA_1PNPDE20100408_214403_000000482088_00244_42382_2722.N1	08-APR-2010 21:44:03	Straylight	47.500	54	5The Cen	2.0550	4500.0	95	42382	No
115	GOM_TRA_1PNPDE20100408_214932_000000442088_00244_42382_2723.N1	08-APR-2010 21:49:32	Tw_i_and_stray	43.500	106	9Bet Crv	2.6480	5600.0	87	42382	No
116	GOM_TRA_1PNPDE20100408_215136_000000422088_00244_42382_2724.N1	08-APR-2010 21:51:36	Tw_i_and_stray	41.500	163	7Del Crv	2.9450	11000.	83	42382	No
117	GOM_TRA_1PNPDE20100408_215259_000000502088_00244_42382_2725.N1	08-APR-2010 21:52:59	Bright	50.000	15	67Alp Vir	0.97600	28000.	100	42382	No

118	GOM_TRA_1PNPDE20100408_215606_000000412088_00244_42382_2726.N1	08-APR-2010 21:56:06	Bright	41.000	121	29Gam Vir	2.7400	7200.0	82	42382	No
119	GOM_TRA_1PNPDE20100408_220046_000000372088_00244_42382_2727.N1	08-APR-2010 22:00:46	Bright	36.500	62	94Bet Leo	2.1360	9700.0	73	42382	No
120	GOM_TRA_1PNPDE20100408_220834_000000412088_00244_42382_2728.N1	08-APR-2010 22:08:34	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	42382	No
121	GOM_TRA_1PNPDE20100408_221200_000000352088_00244_42382_2729.N1	08-APR-2010 22:12:00	Bright	34.500	87	64Gam UMa	2.4330	11000.	69	42382	No
122	GOM_TRA_1PNPDE20100408_221328_000000392088_00244_42382_2730.N1	08-APR-2010 22:13:28	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	42382	No
123	GOM_TRA_1PNPDE20100408_221954_000000402088_00244_42382_2731.N1	08-APR-2010 22:19:54	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42382	No
124	GOM_TRA_1PNPDE20100408_222944_000000392088_00244_42382_2732.N1	08-APR-2010 22:29:44	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	42382	No
125	GOM_TRA_1PNPDE20100408_223458_000000432088_00244_42382_2733.N1	08-APR-2010 22:34:58	Bright	42.500	19	50Alp Cyg	1.2460	10500.	85	42382	No
126	GOM_TRA_1PNPDE20100408_223857_000000492088_00244_42382_2734.N1	08-APR-2010 22:38:57	Bright	48.500	92	53Eps Cyg	2.5000	4500.0	97	42382	No
127	GOM_TRA_1PNPDE20100408_224552_000000482088_00244_42382_2735.N1	08-APR-2010 22:45:52	Twilight_stray	47.500	61	8Eps Peg	2.1000	3900.0	95	42382	No
128	GOM_TRA_1PNPDE20100408_225041_000000472088_00244_42382_2736.N1	08-APR-2010 22:50:41	Dark	46.500	154	22Bet Aqr	2.8990	5700.0	93	42382	No
129	GOM_TRA_1PNPDE20100408_225309_000000442088_00244_42382_2738.N1	08-APR-2010 22:53:09	Dark	44.000	142	49Del Cap	2.8500	8900.0	88	42382	No
130	GOM_TRA_1PNPDE20100408_231227_000000522088_00245_42383_2739.N1	08-APR-2010 23:12:27	Dark	51.500	40	The Sco	1.8590	7100.0	103	42383	No
131	GOM_TRA_1PNPDE20100408_232031_000000462088_00245_42383_2740.N1	08-APR-2010 23:20:31	Straylight	46.000	78	Alp Lup	2.3040	28000.	92	42383	No
132	GOM_TRA_1PNPDE20100408_232208_000000432088_00245_42383_2741.N1	08-APR-2010 23:22:08	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	42383	No
133	GOM_TRA_1PNPDE20100408_232440_000000512088_00245_42383_2742.N1	08-APR-2010 23:24:40	Straylight	50.500	54	5The Cen	2.0550	4500.0	101	42383	No
134	GOM_TRA_1PNPDE20100408_233009_000000422088_00245_42383_2743.N1	08-APR-2010 23:30:09	Twilight_stray	42.000	106	9Bet Crv	2.6480	5600.0	84	42383	No
135	GOM_TRA_1PNPDE20100408_233212_000000452088_00245_42383_2744.N1	08-APR-2010 23:32:12	Twilight_stray	44.500	163	7Del Crv	2.9450	11000.	89	42383	No
136	GOM_TRA_1PNPDE20100408_233335_000000512088_00245_42383_2745.N1	08-APR-2010 23:33:35	Bright	50.500	15	67Alp Vir	0.97600	28000.	101	42383	No
137	GOM_TRA_1PNPDE20100408_233642_000000422088_00245_42383_2746.N1	08-APR-2010 23:36:42	Bright	41.500	121	29Gam Vir	2.7400	7200.0	83	42383	No
138	GOM_TRA_1PNPDE20100408_234122_000000372088_00245_42383_2747.N1	08-APR-2010 23:41:22	Bright	36.500	62	94Bet Leo	2.1360	9700.0	73	42383	No
139	GOM_TRA_1PNPDE20100408_234910_000000402088_00245_42383_2748.N1	08-APR-2010 23:49:10	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	42383	No
140	GOM_TRA_1PNPDE20100408_235235_000000352088_00245_42383_2749.N1	08-APR-2010 23:52:35	Bright	35.000	87	64Gam UMa	2.4330	11000.	70	42383	No
141	GOM_TRA_1PNPDE20100408_235403_000000402088_00245_42383_2750.N1	08-APR-2010 23:54:03	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	42383	No

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



4. Overview of dark signal processing per product

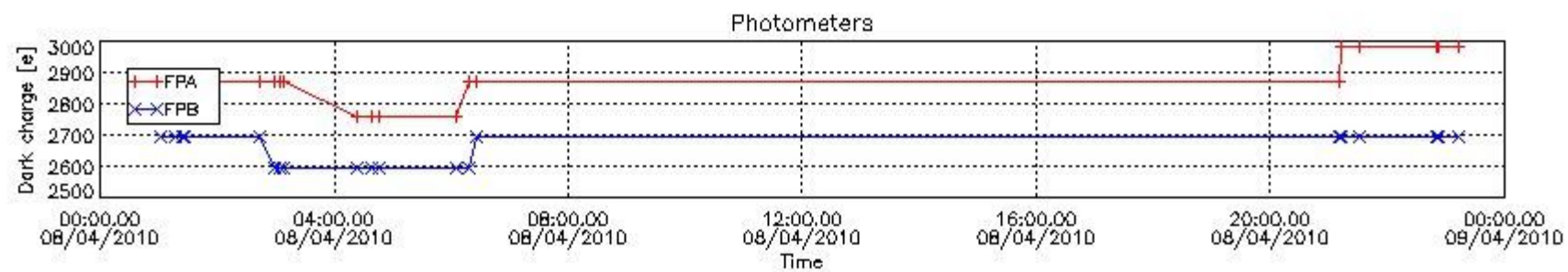
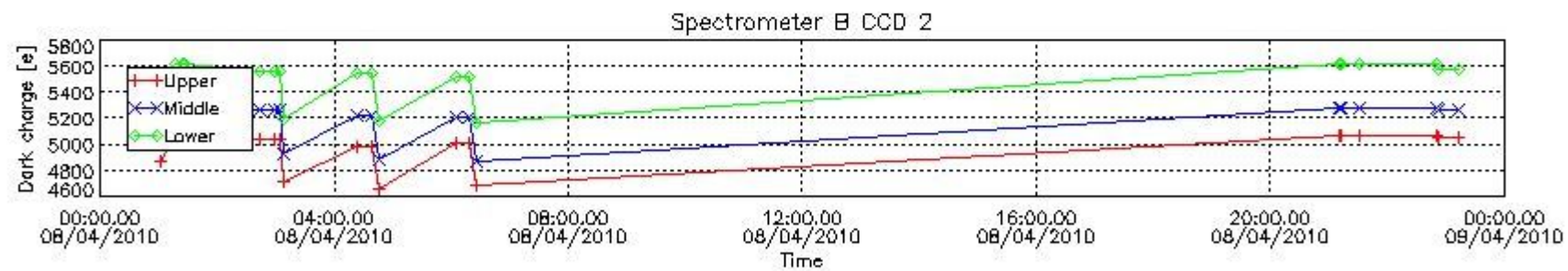
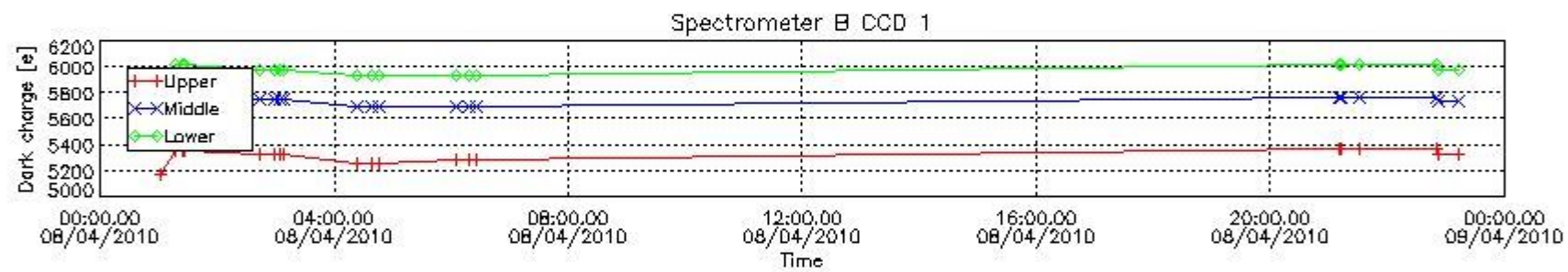
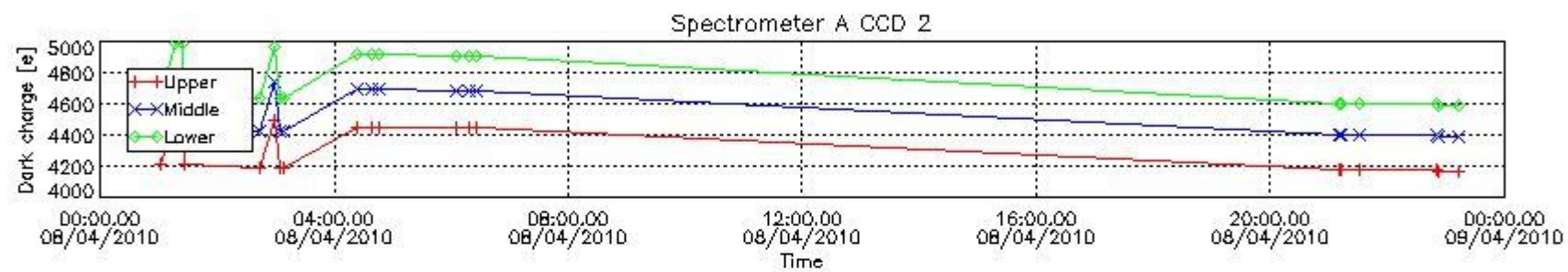
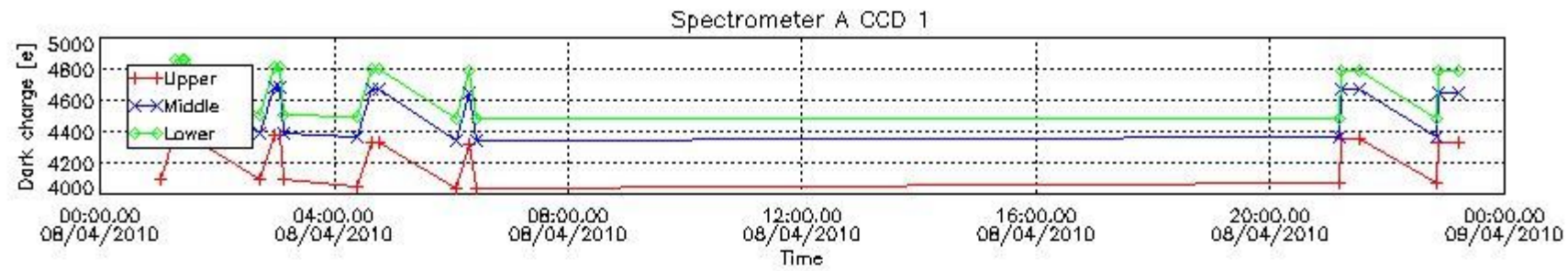
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100408_195918_000000452088_00243_42381_2698.N1	DC map used
GOM_TRA_1PNPDE20100408_200055_000000482088_00243_42381_2699.N1	DC map used
GOM_TRA_1PNPDE20100408_200327_000000502088_00243_42381_2700.N1	DC map used
GOM_TRA_1PNPDE20100408_200856_000000442088_00243_42381_2701.N1	DC map used
GOM_TRA_1PNPDE20100408_201100_000000432088_00243_42381_2702.N1	DC map used
GOM_TRA_1PNPDE20100408_201224_000000542088_00243_42381_2703.N1	DC map used
GOM_TRA_1PNPDE20100408_201530_000000422088_00243_42381_2704.N1	DC map used
GOM_TRA_1PNPDE20100408_202010_000000372088_00243_42381_2705.N1	DC map used
GOM_TRA_1PNPDE20100408_202759_000000412088_00243_42381_2706.N1	DC map used
GOM_TRA_1PNPDE20100408_203124_000000382088_00243_42381_2707.N1	DC map used
GOM_TRA_1PNPDE20100408_203252_000000392088_00243_42381_2708.N1	DC map used
GOM_TRA_1PNPDE20100408_203918_000000412088_00243_42381_2709.N1	DC map used
GOM_TRA_1PNPDE20100408_204908_000000402088_00243_42381_2710.N1	DC map used
GOM_TRA_1PNPDE20100408_205423_000000452088_00243_42381_2711.N1	DC map used
GOM_TRA_1PNPDE20100408_205821_000000482088_00243_42381_2712.N1	DC map used
GOM_TRA_1PNPDE20100408_210516_000000482088_00243_42381_2713.N1	DC map used

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



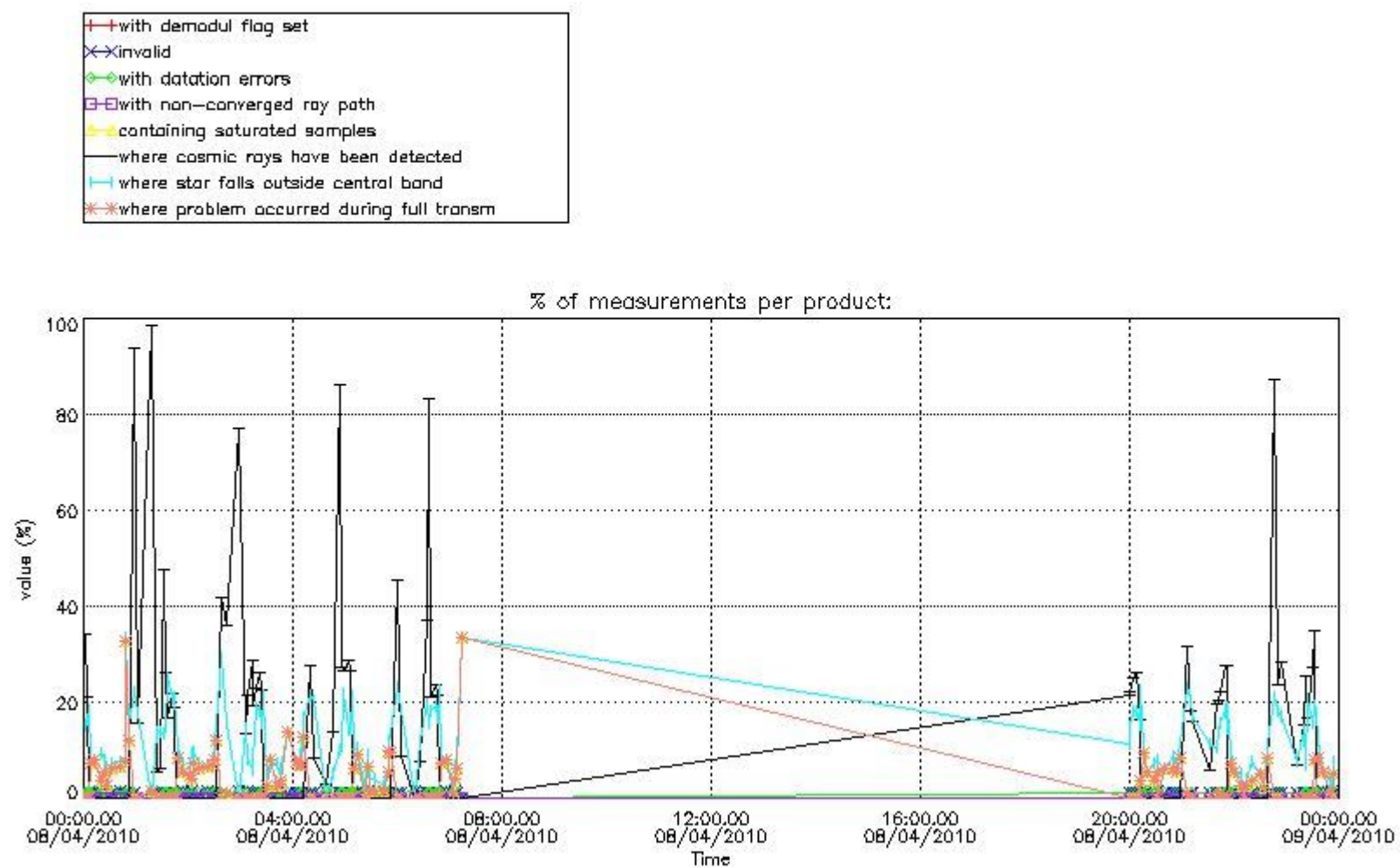
5. Demodulation flag and quality information monitoring

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.

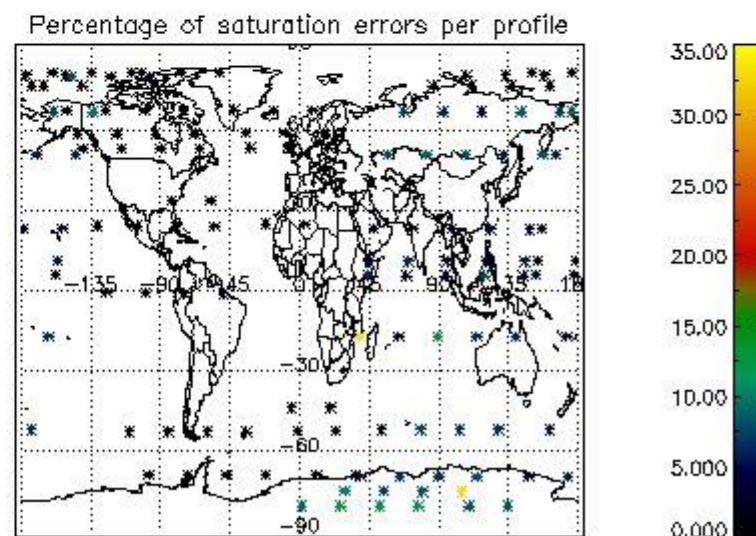
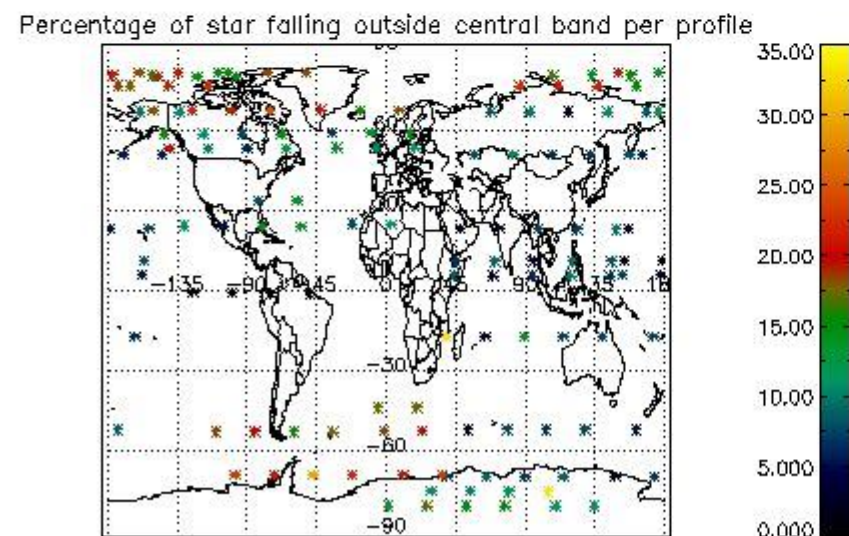
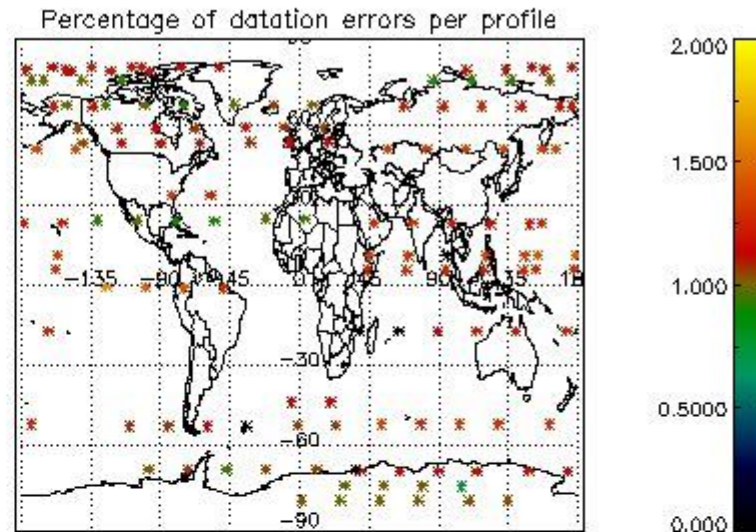
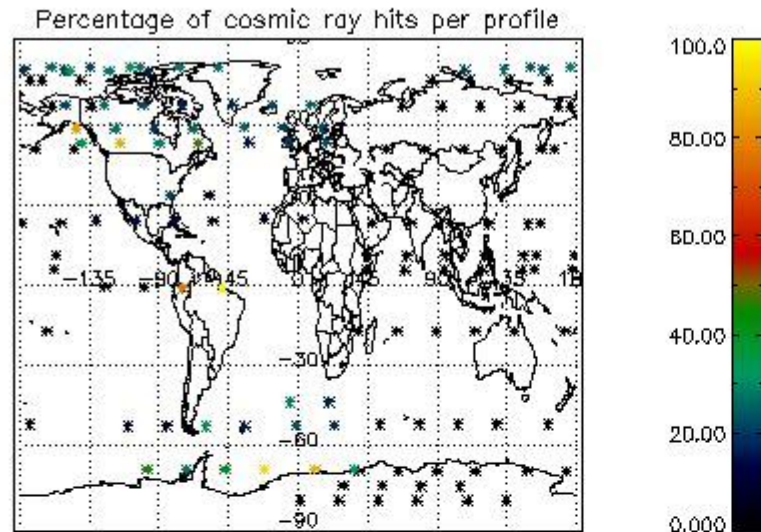
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	36.4286 %
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)



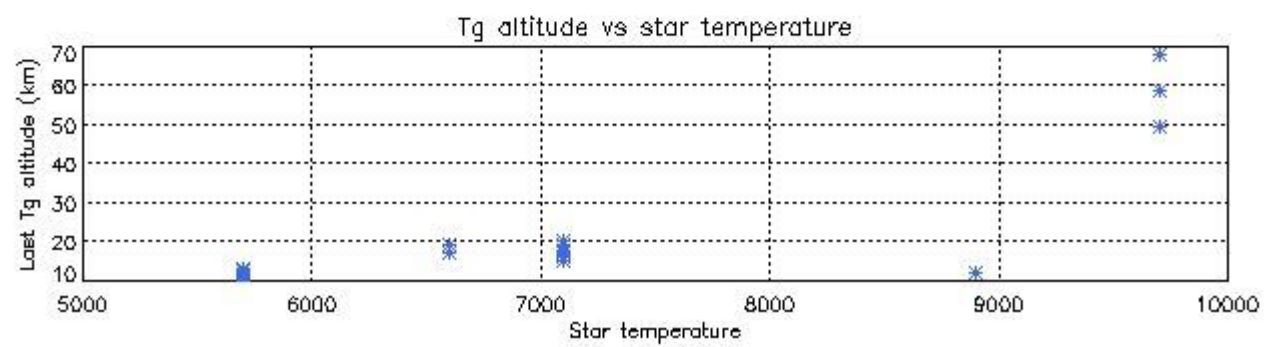
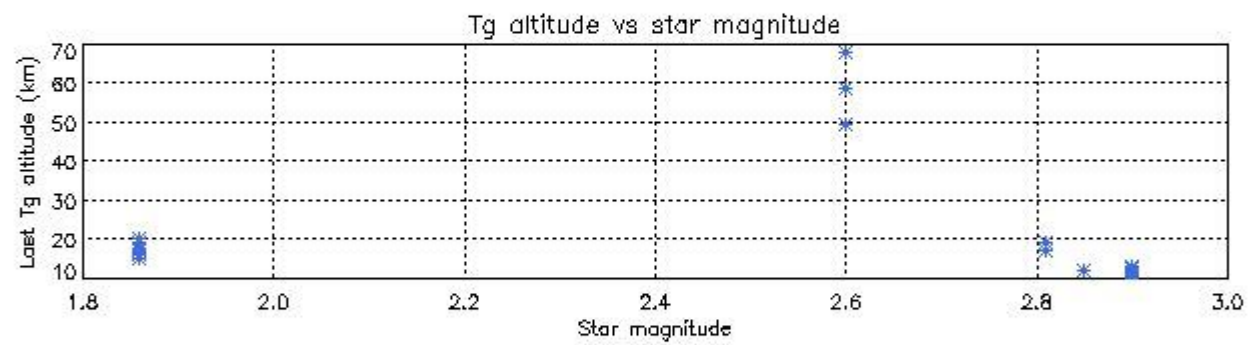
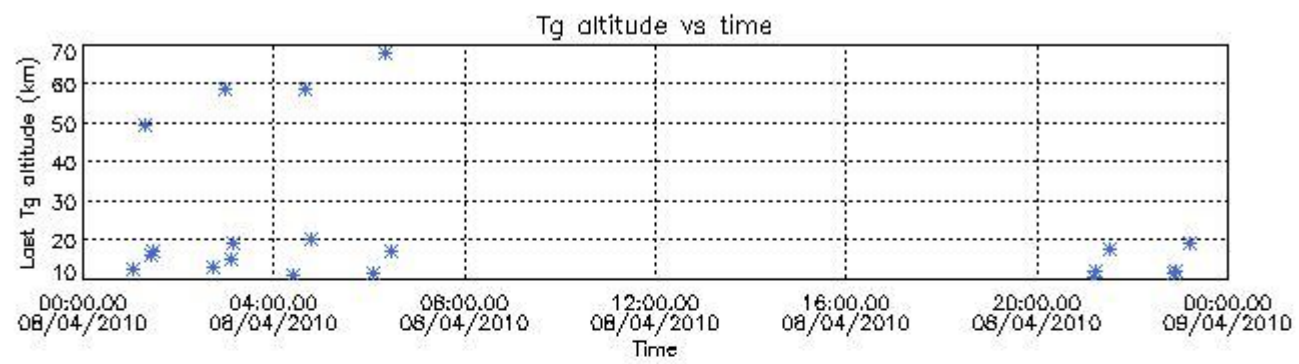
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	23.549	18.543	NaN
St. deviation:	18.566	4.2309	NaN
Maximum:	68.052	25.731	NaN
Minimum:	10.715	3.9430	NaN
Number of data:	20.000	77.000	NaN

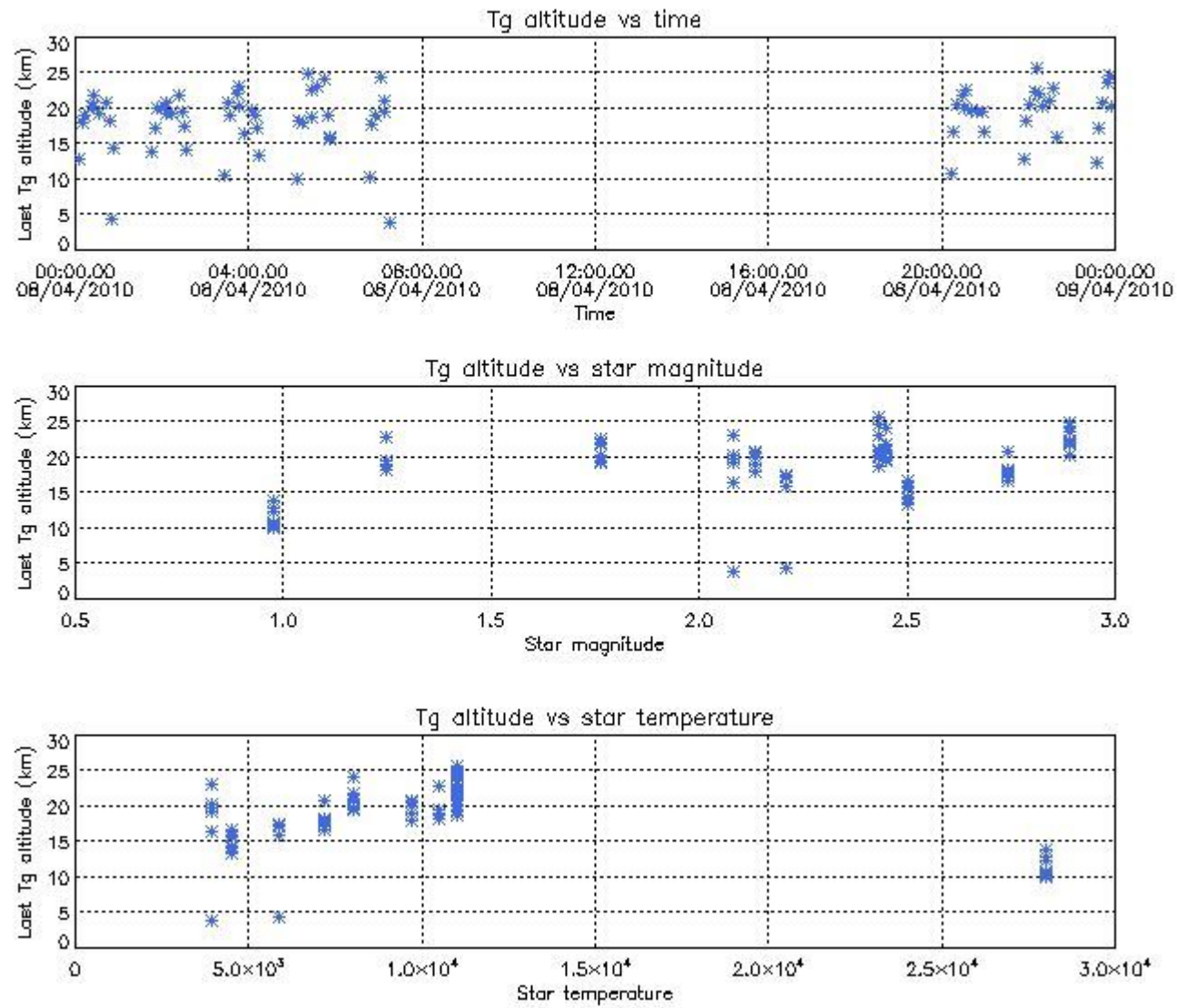
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

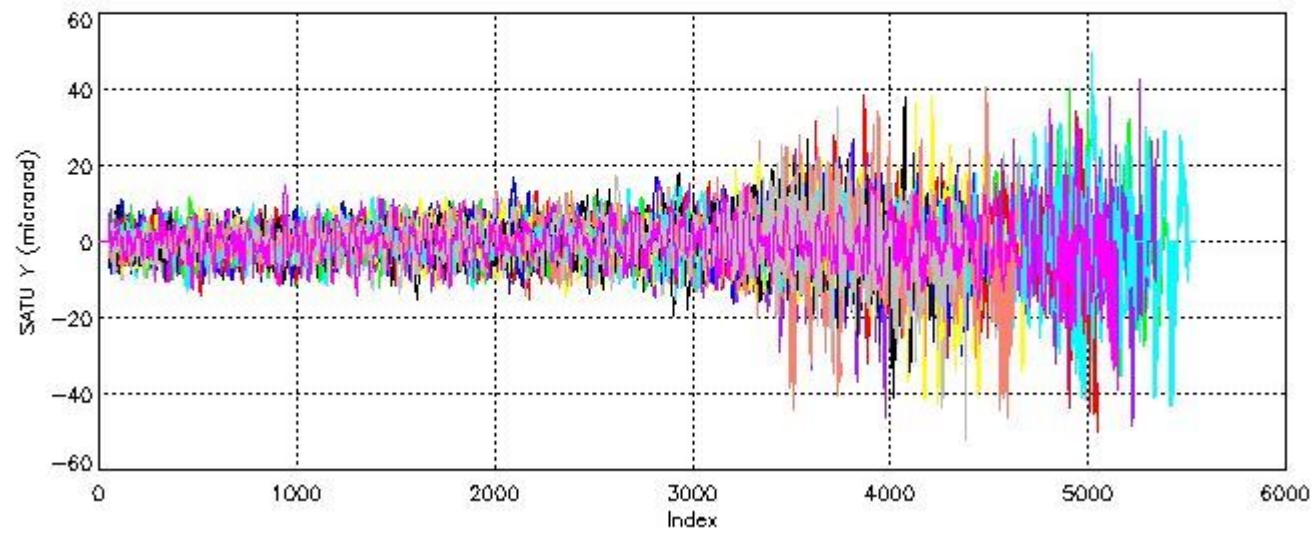
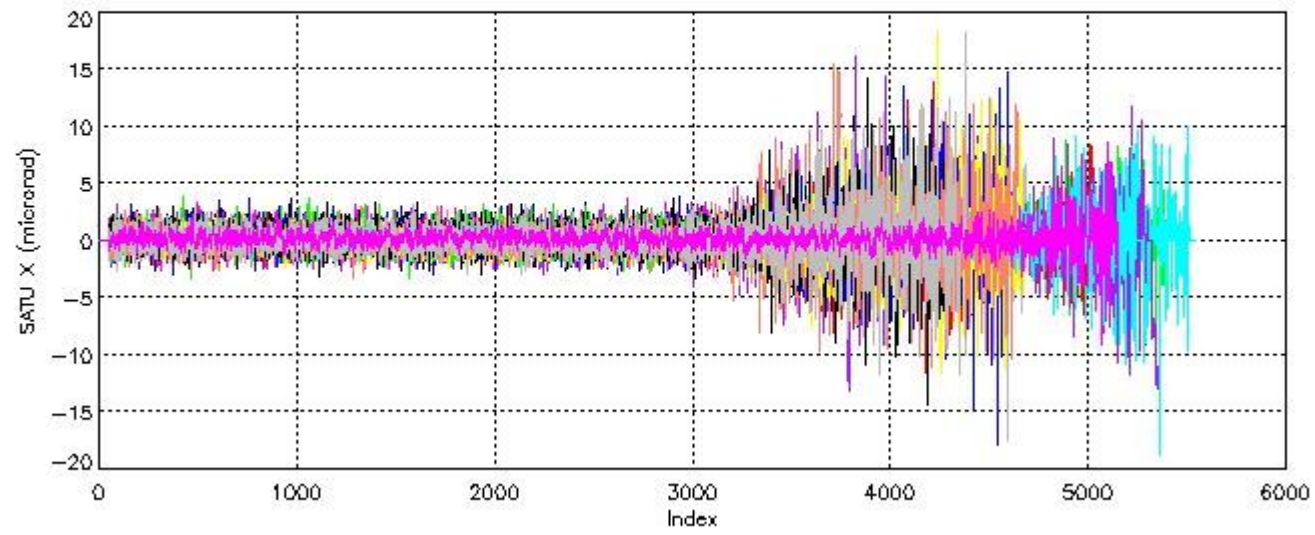


7. Star Acquisition and Tracking Unit (SATU)

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:	0.19622	-0.42941	0.20834	-0.48312
St. deviation:	0.69272	3.3878	0.76716	3.1330
Maximum:	3.8000	14.700	6.2000	13.100
Minimum:	-3.4000	-14.100	-6.0000	-15.200

Number of data:	21600.	21600.	73800.	73800.
-----------------	--------	--------	--------	--------

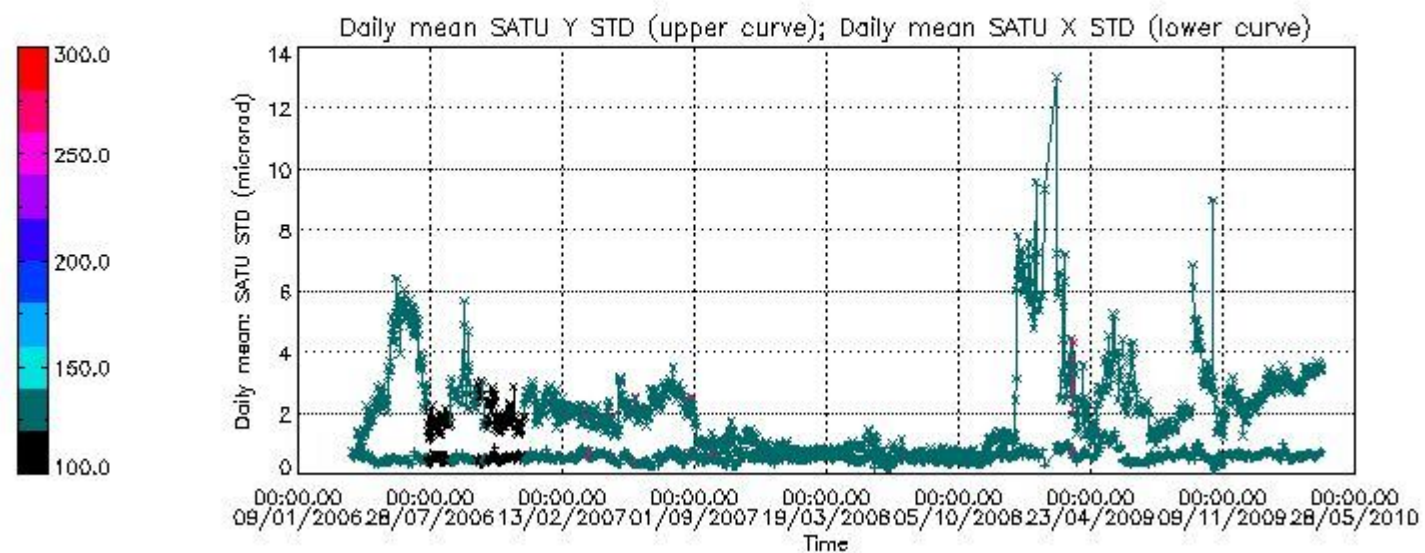
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

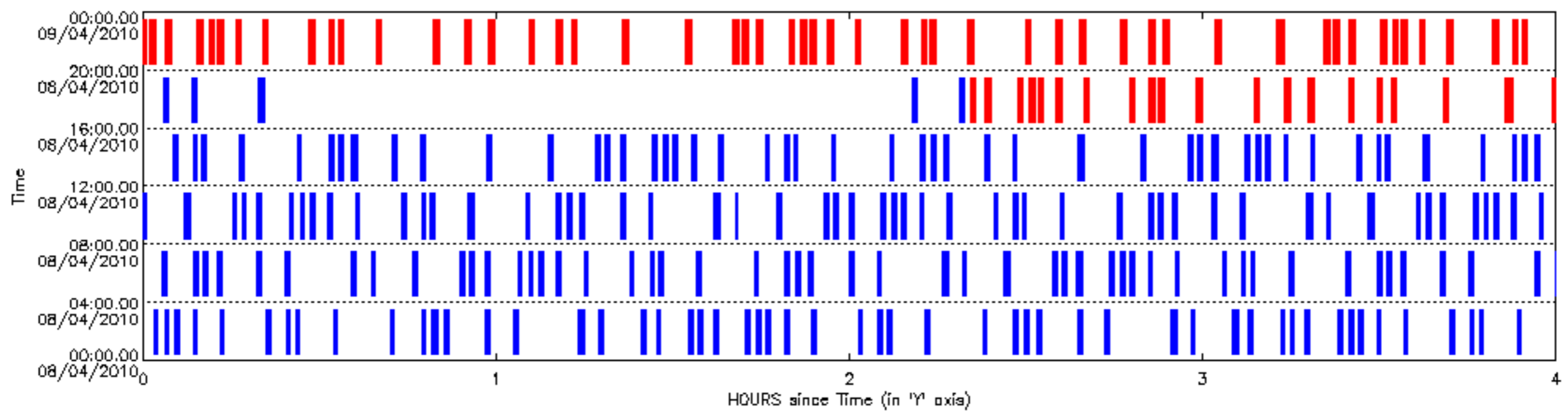
Lower curve: STD of SATU X axis

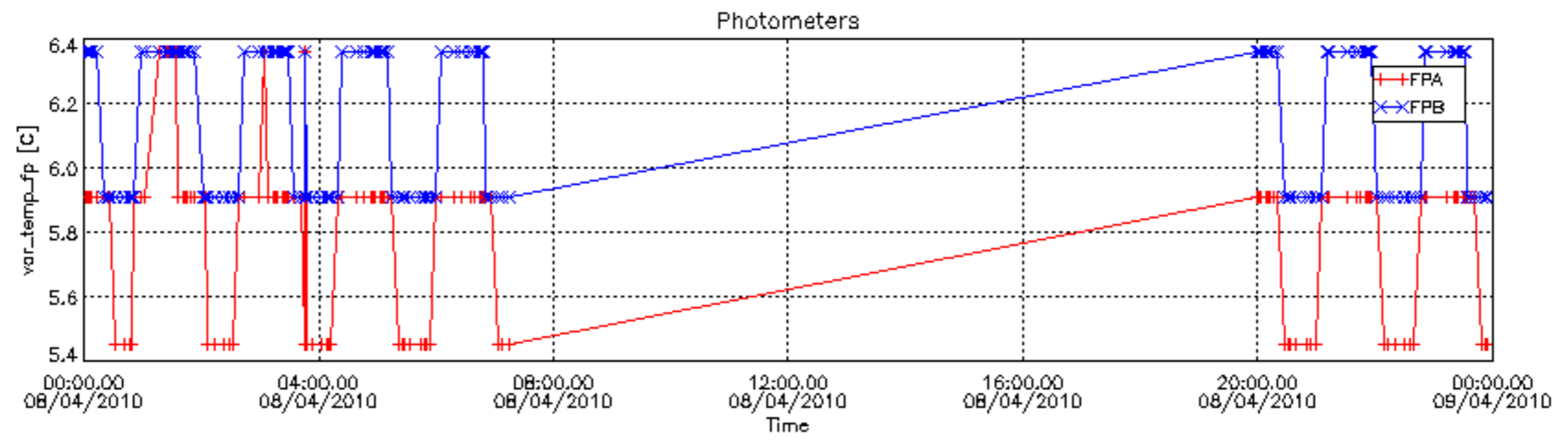
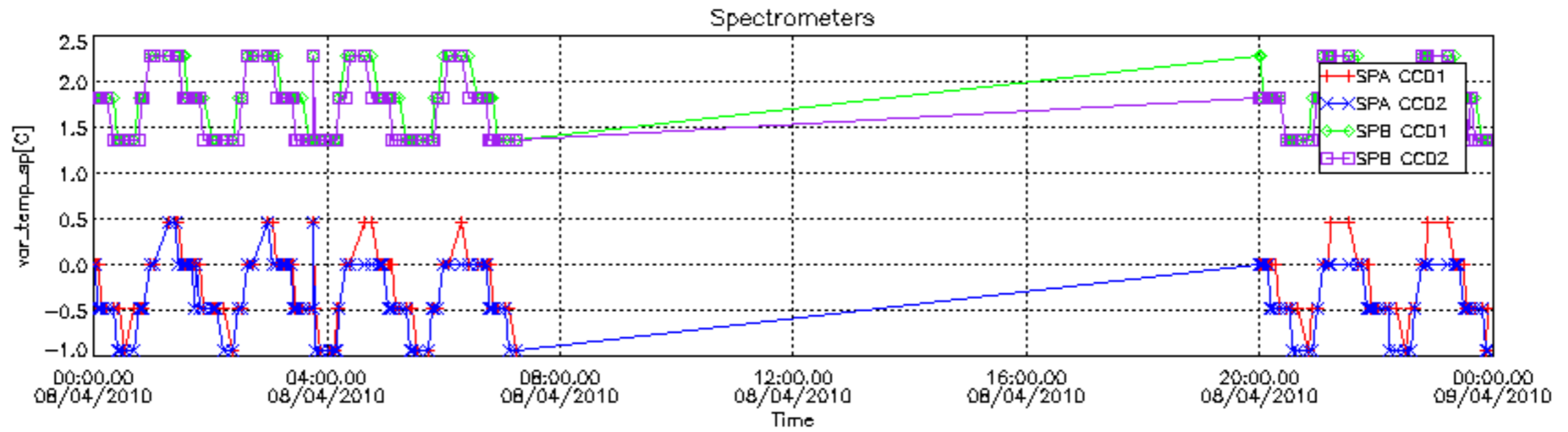


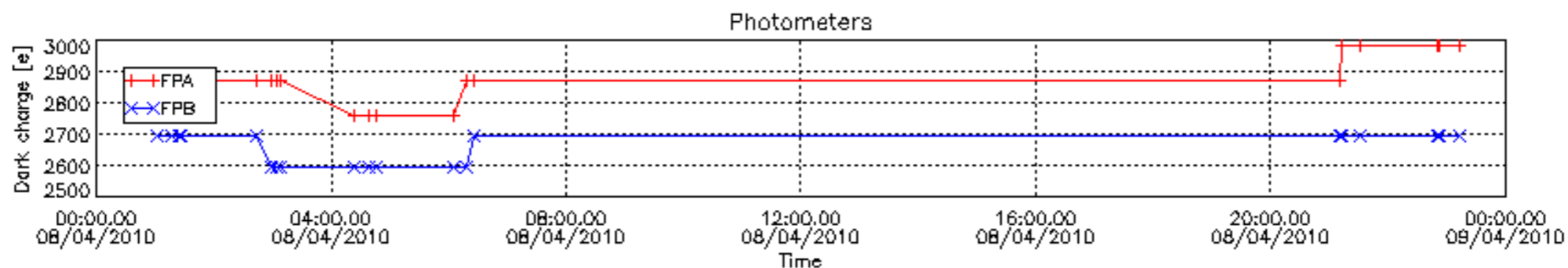
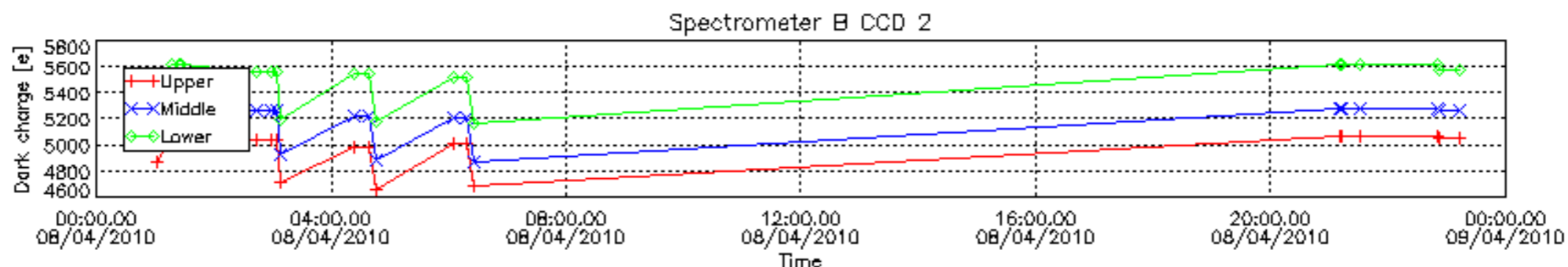
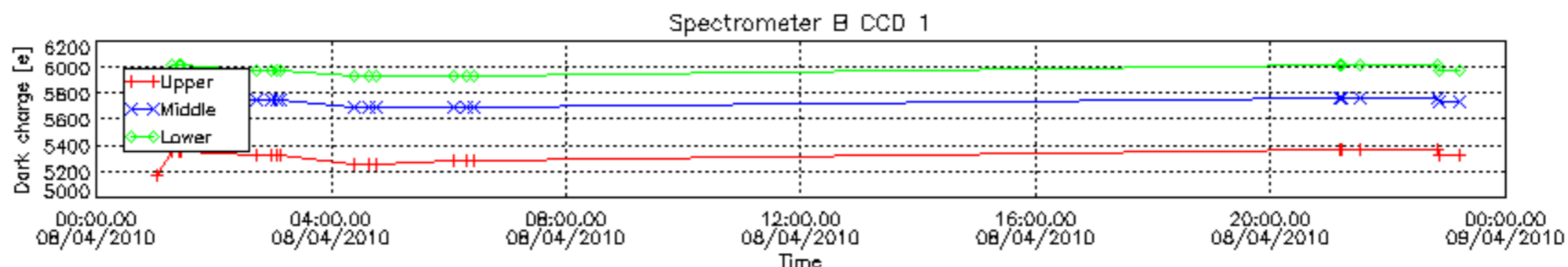
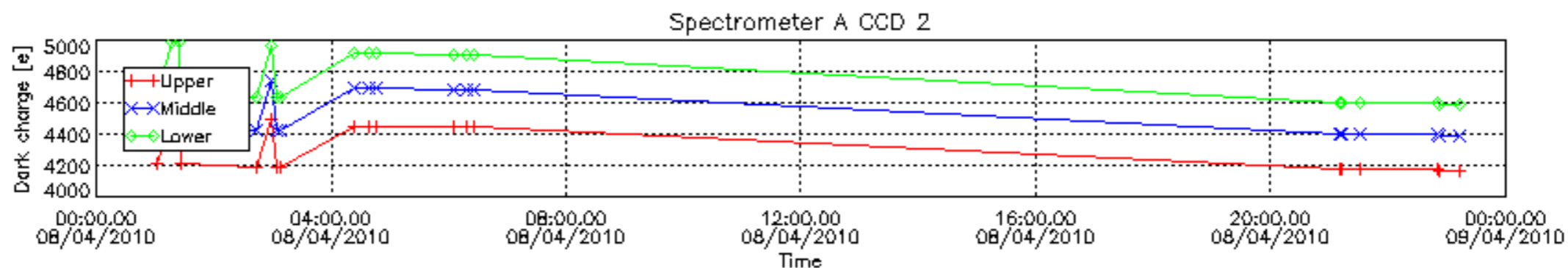
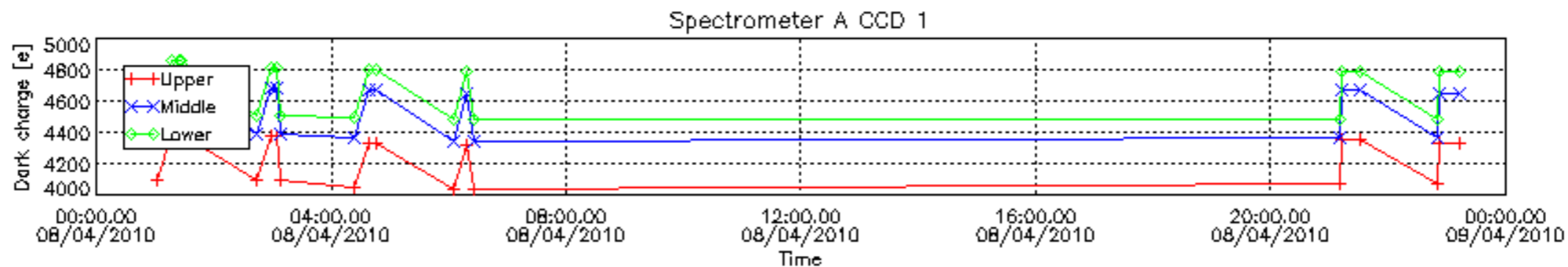
8. Auxiliary Data Files used for the production reported in section 2.4

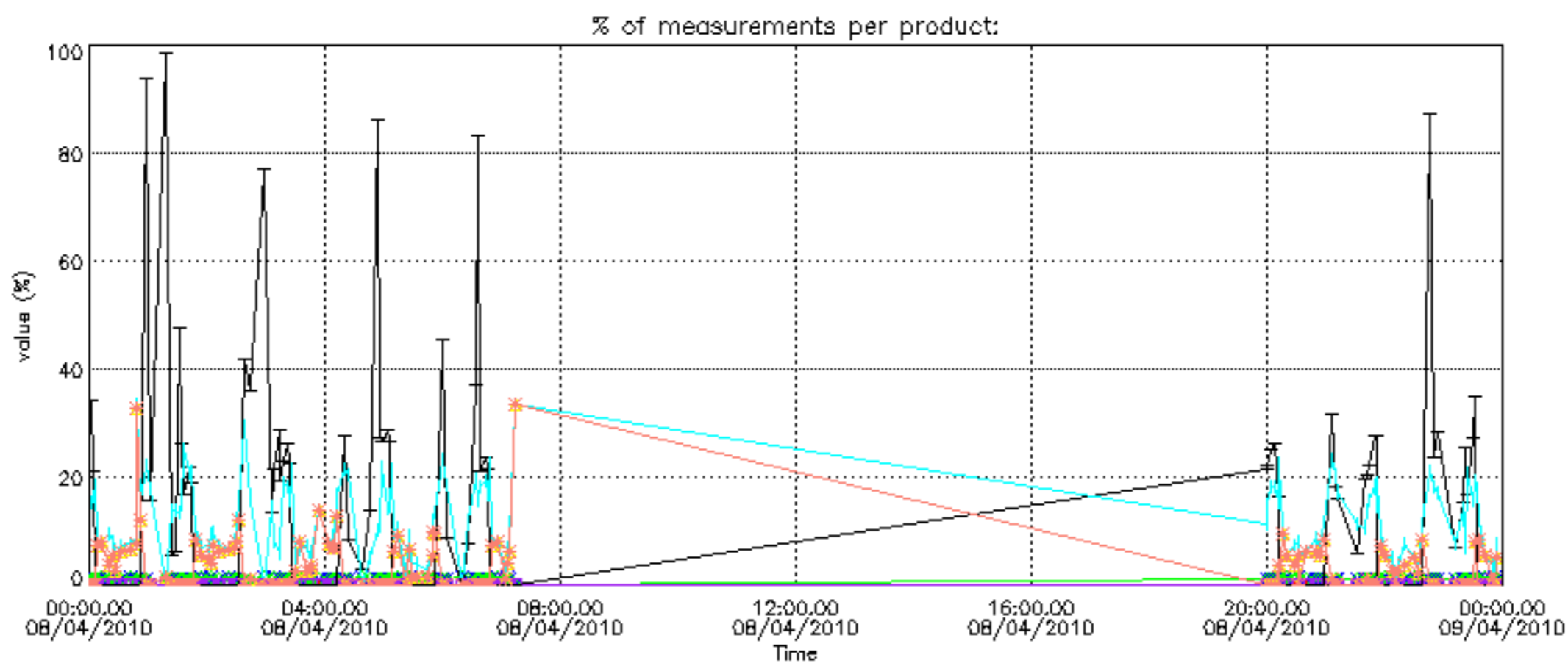
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	08-APR-2010 00:01:43
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100407_100257_20100406_000000_20500101_000000	1	08-APR-2010 00:01:43
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	08-APR-2010 00:01:43
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	08-APR-2010 00:01:43
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	08-APR-2010 00:01:43
ECMWF_FILE	AUX_ECF_AXNECM20100407_054117_20100407_210000_20100408_090000	1	08-APR-2010 00:01:43
ECMWF_FILE	AUX_ECF_AXNECM20100407_172122_20100408_030000_20100408_150000	50	08-APR-2010 03:45:26
ECMWF_FILE	AUX_ECA_AXNECM20100408_052118_20100407_210000_20100408_090000	73	08-APR-2010 05:43:46
ECMWF_FILE	AUX_ECF_AXNECM20100408_052118_20100408_150000_20100409_030000	93	08-APR-2010 19:59:18
ECMWF_FILE	AUX_ECF_AXNECM20100408_052119_20100408_210000_20100409_090000	109	08-APR-2010 21:10:05
OPTIONAL_ECMWF_FILE	MISSING	1	08-APR-2010 00:01:43
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100407_232209_000057382088_00230_42368_0118.N1	1	08-APR-2010 00:01:43
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100408_010306_000092452088_00231_42369_0119.N1	16	08-APR-2010 01:17:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100408_034229_000066952088_00233_42371_0120.N1	50	08-APR-2010 03:45:26
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100408_053923_000057382088_00234_42372_0121.N1	73	08-APR-2010 05:43:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100408_195448_000038252088_00243_42381_0122.N1	93	08-APR-2010 19:59:18
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100408_210352_000060572088_00243_42381_0123.N1	109	08-APR-2010 21:10:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100408_225008_000057382088_00244_42382_0124.N1	129	08-APR-2010 22:53:09

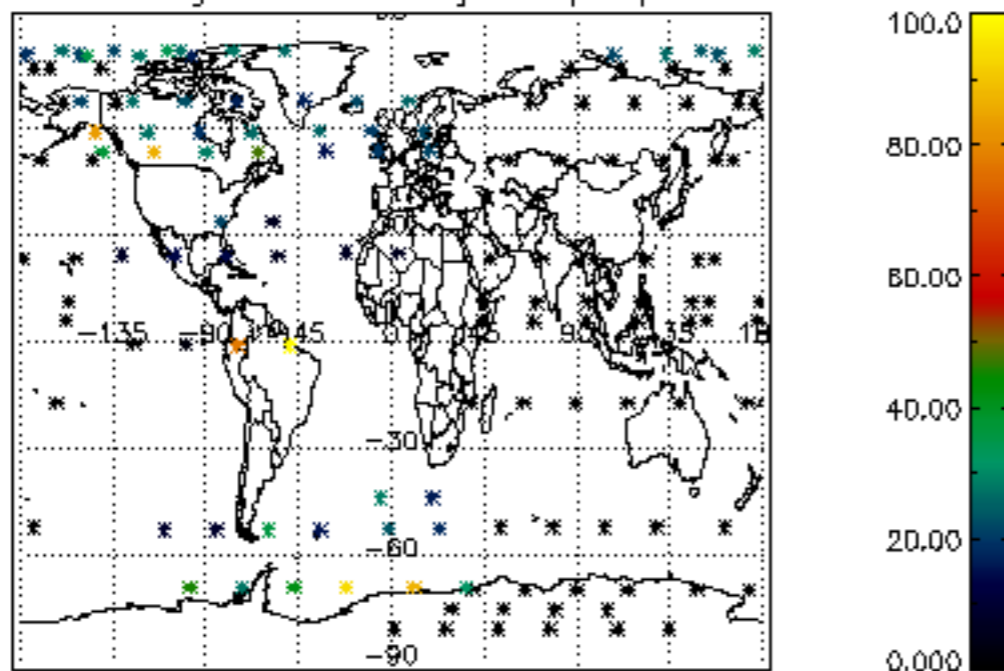




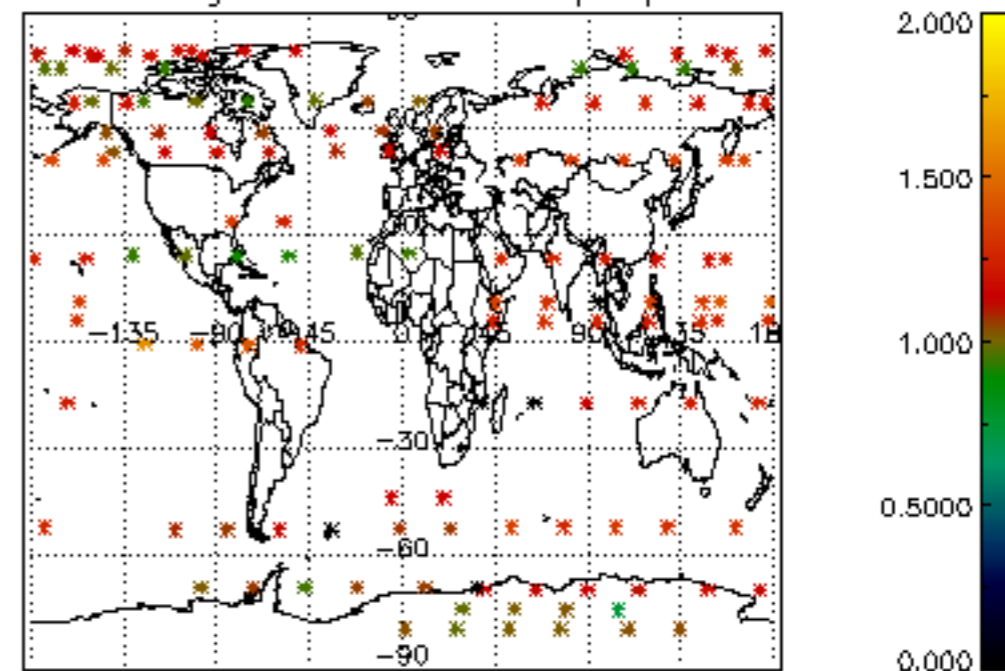




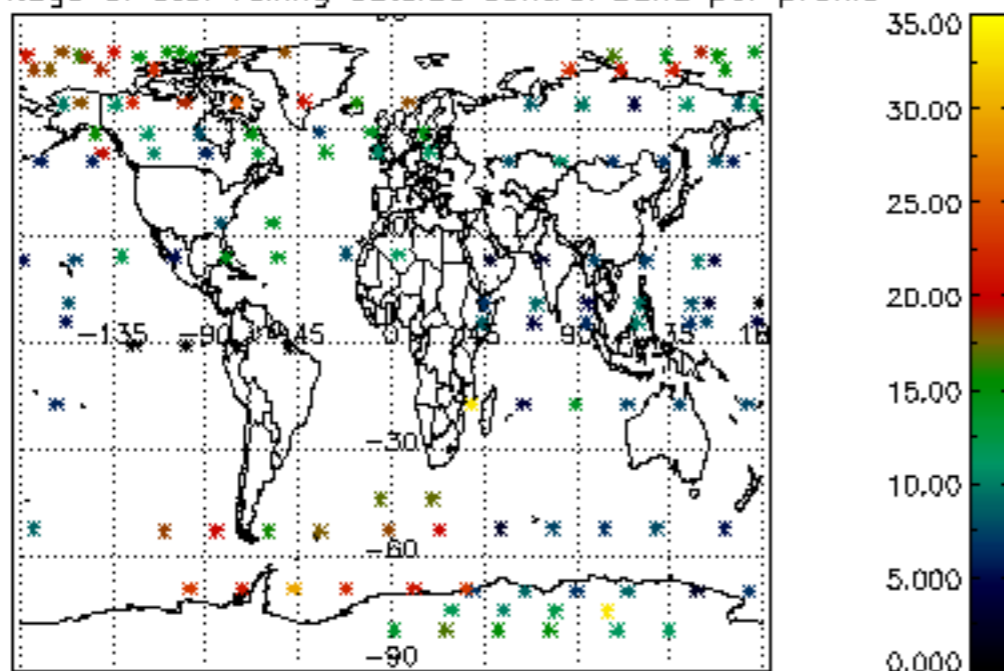
Percentage of cosmic ray hits per profile



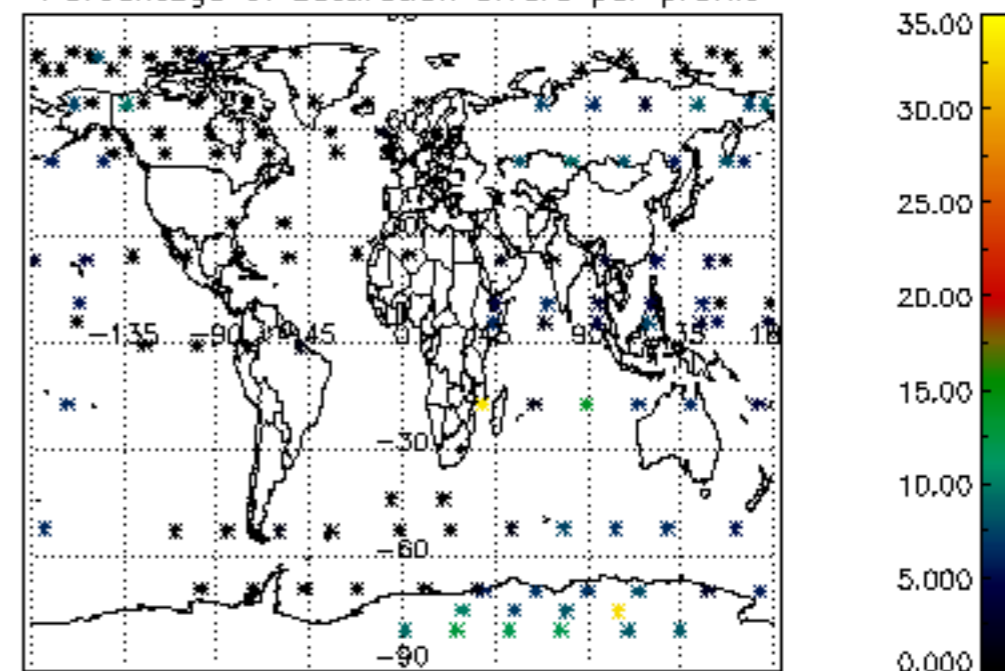
Percentage of datation errors per profile



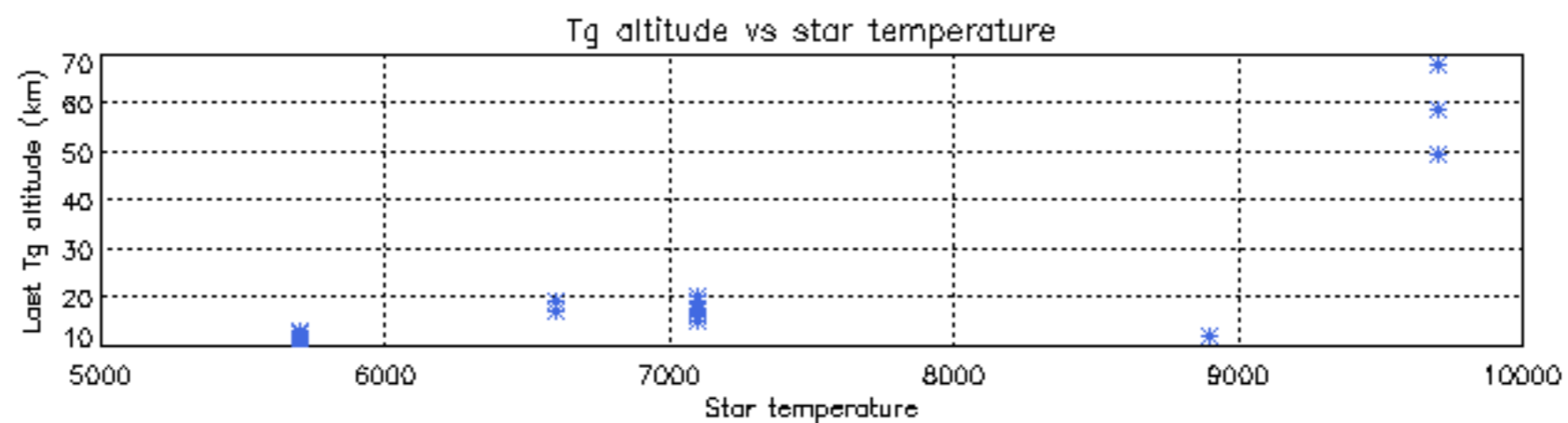
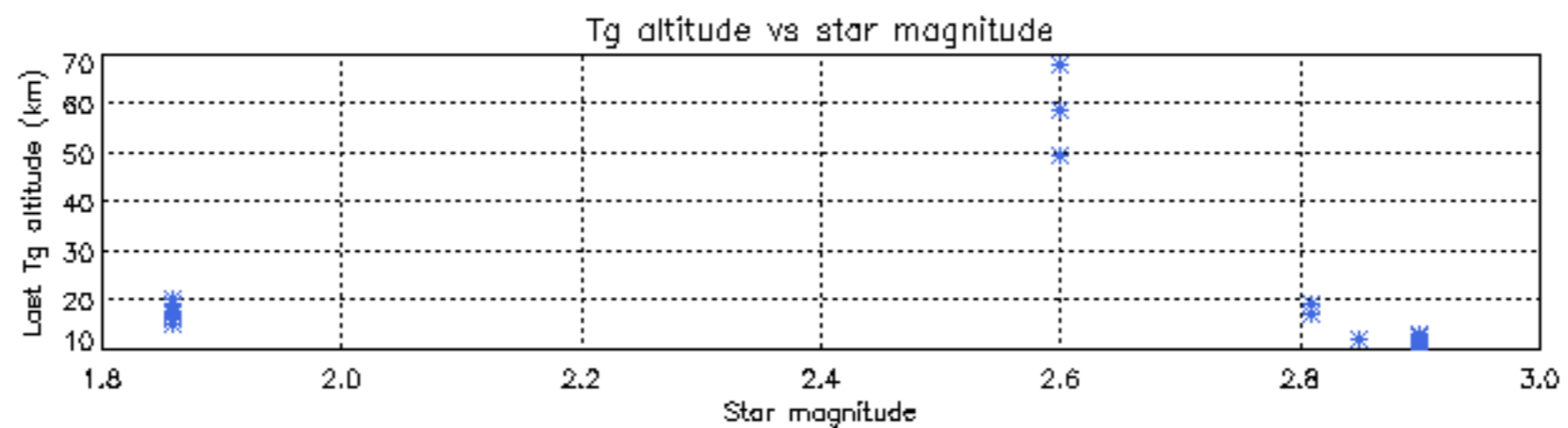
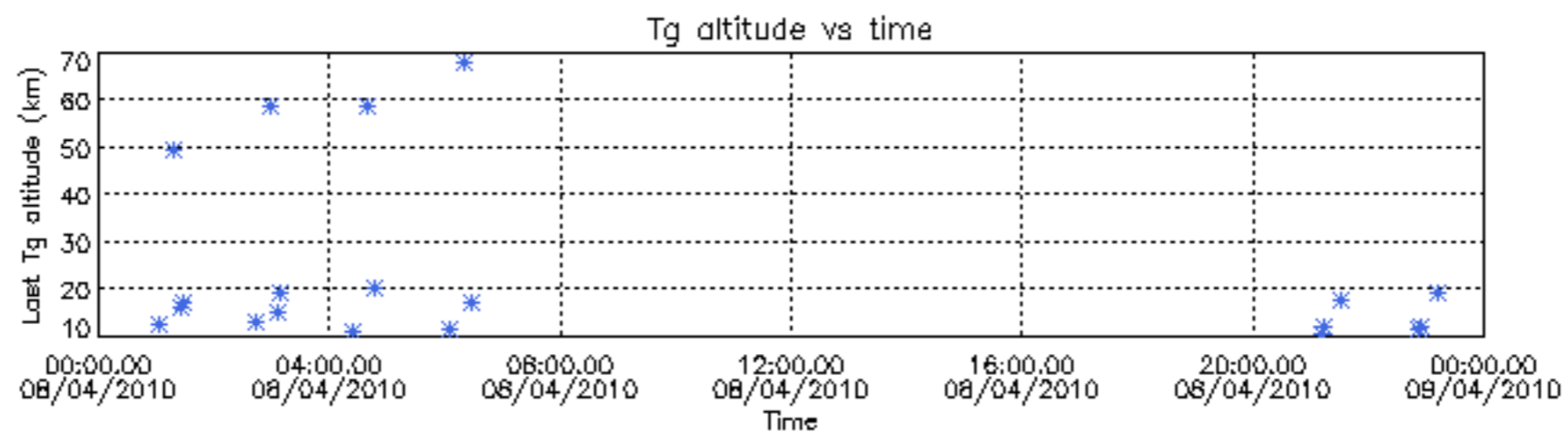
Percentage of star falling outside central band per profile



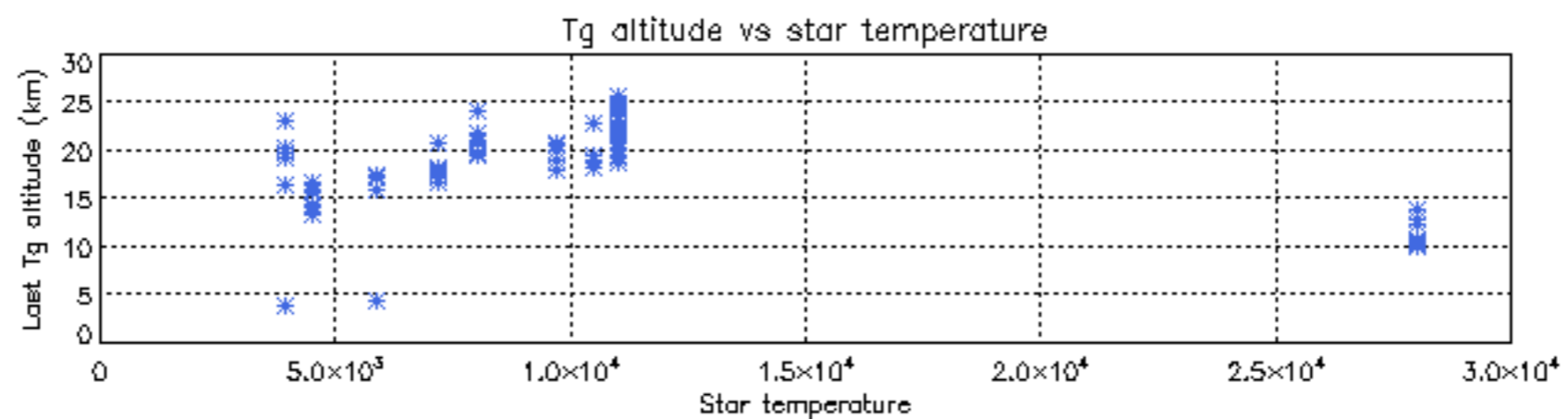
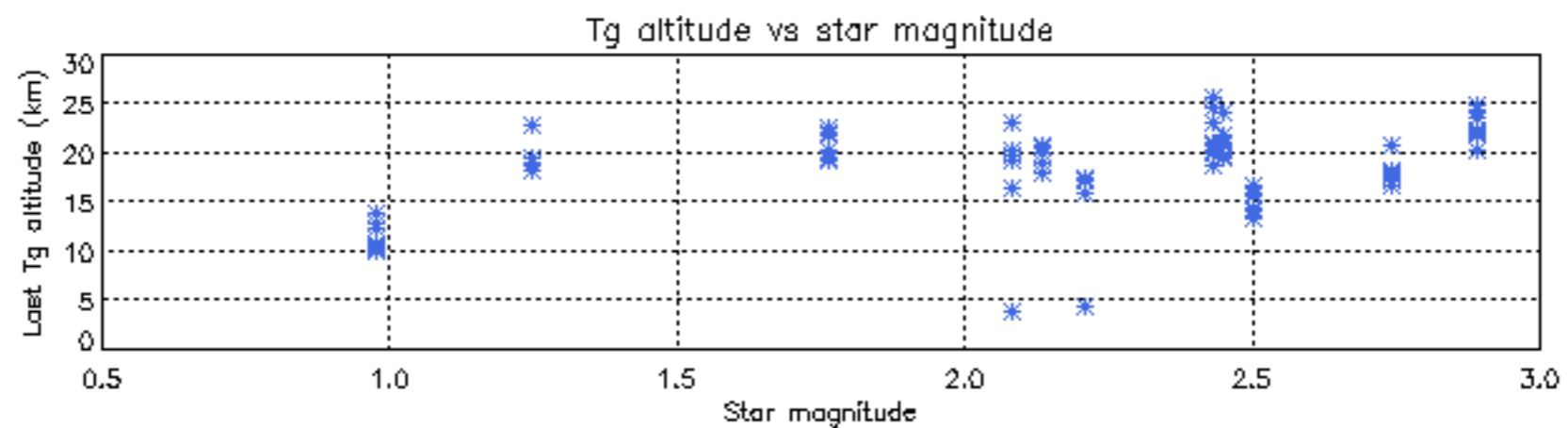
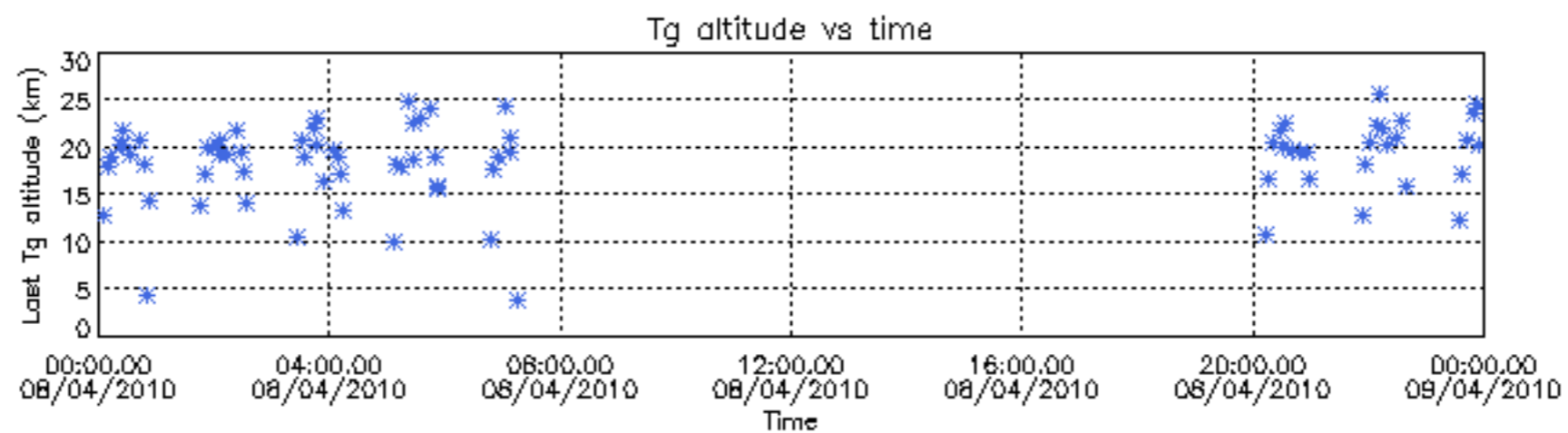
Percentage of saturation errors per profile

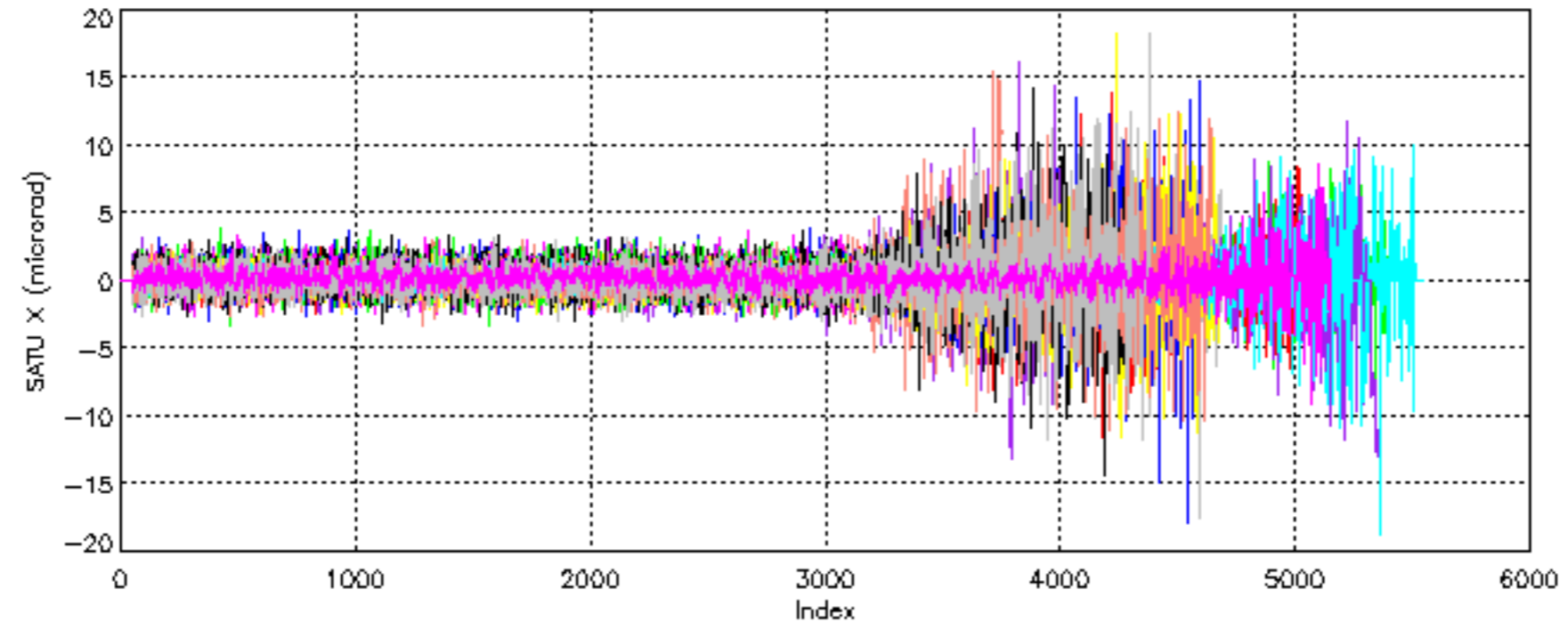


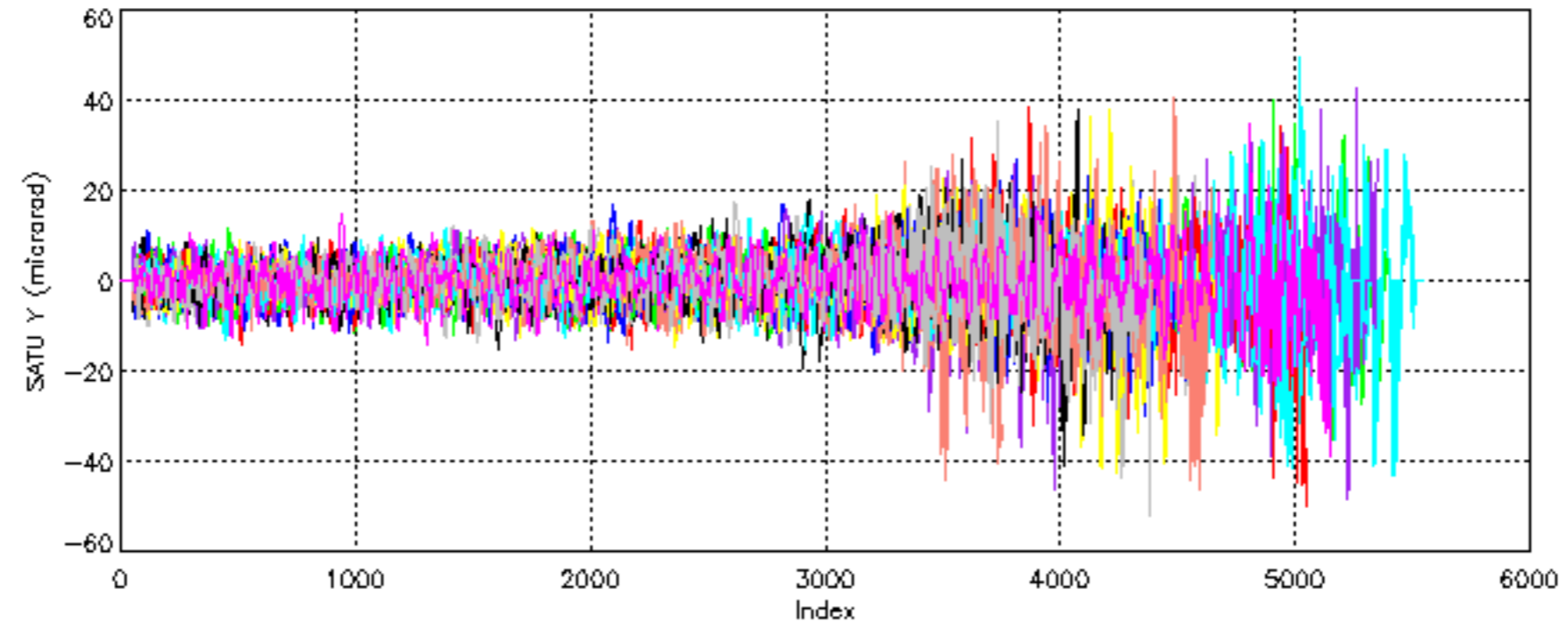
Tangent altitude at which the star is lost

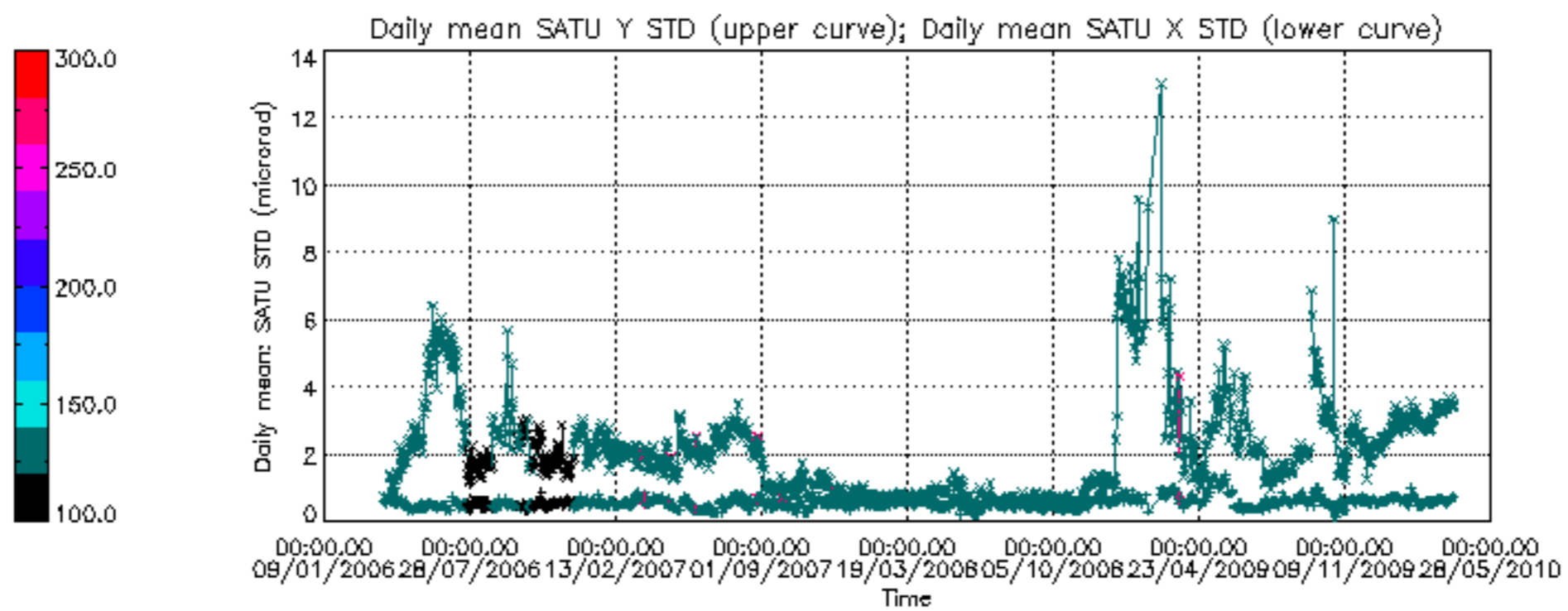


Tangent altitude at which the star is lost









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 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
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 13; 2256.9; 01-APR-2010 02:15:25; Bright; 37.0; 96; 68Del Leo ; 2.56; 9300;occ; 74; 0;42270
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 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

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 5; -314.5; 01-APR-2010 03:13:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42270
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 15; 1578.0; 01-APR-2010 03:44:42; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;42271
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 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
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 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
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 19; 2257.0; 01-APR-2010 05:36:37; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;42272
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 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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 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
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13; 4198.0; 01-APR-2010 21:14:21; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;42281
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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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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
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14; 2159.5; 01-APR-2010 22:20:59; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 81; 0;42282
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16; 2845.9; 01-APR-2010 22:32:25; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;42282
17; 2954.9; 01-APR-2010 22:34:14; Bright; 43.0; 32; 77Eps UMa ; 1.76; 11000;occ; 86; 0;42282
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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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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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 7; 69.4; 01-APR-2010 06:40:45; Dark ; 53.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 107; 0;42273
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 9; 517.0; 01-APR-2010 06:48:13; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42273
 10; 675.4; 01-APR-2010 06:50:51; Dark ; 48.5; 4; Alp1Cen ; -0.01; 5800;occ; 97; 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
 8; 3337.3; 01-APR-2010 07:35:13; Bright; 58.0; 60; 7Bet UMi ; 2.08; 3950;occ; 116; 0;42273
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 11; 4312.8; 01-APR-2010 07:51:29; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;42273
 12; 4434.4; 01-APR-2010 07:53:30; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;42273
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 15; 6106.7; 01-APR-2010 08:21:23; Dark ; 51.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 103; 0;42274
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 17; 6553.4; 01-APR-2010 08:28:49; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;42274
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 19; 6876.8; 01-APR-2010 08:34:13; Dark ; 48.5; 78; Alp Lup ; 2.30; 28000;occ; 97; 0;42274
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 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
 10; 4312.9; 01-APR-2010 09:32:05; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42274
 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
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 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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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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21; 4851.4; 06-APR-2010 23:48:57; Dark ; 48.5; 61; 8Eps Peg ; 2.10; 3900;occ; 97; 0;42354
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7; 985.8; 07-APR-2010 02:05:43; Dark ; 47.5; 81; Eta Cen ; 2.36; 28000;occ; 95; 0;42356
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9; 1476.3; 07-APR-2010 02:13:54; Dark ; 44.0; 106; 9Bet Crv ; 2.65; 5600;occ; 88; 0;42356
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 5; 2821.6; 13-APR-2010 11:10:48; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;42447
 6; 2896.6; 13-APR-2010 11:12:03; Bright; 38.5; 32; 77Eps UMa ; 1.76; 11000;occ; 77; 0;42447
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7; 3381.7; 13-APR-2010 16:21:55; Bright; 49.0; 119; 14Eta Dra ; 2.73; 4700;occ; 98; 0;42450
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 16; 2790.4; 25-APR-2010 23:17:26; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;42626
 17; 3235.1; 25-APR-2010 23:24:51; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;42626
 18; 3848.4; 25-APR-2010 23:35:04; Bright; 41.5; 89; 5Alp Cep ; 2.45; 8000;occ; 83; 0;42626
 19; 4496.5; 25-APR-2010 23:45:52; Bright; 40.0; 164; 44Eta Peg ; 2.95; 5400;occ; 80; 0;42626
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 22; 5124.2; 25-APR-2010 23:56:20; Dark ; 52.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 104; 0;42626
 23; 5319.8; 25-APR-2010 23:59:36; Dark ; 56.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 112; 0;42626

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 17; 3234.8; 26-APR-2010 01:05:26; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;42627
 18; 3848.2; 26-APR-2010 01:15:40; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42627
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 3; 134.7; 26-APR-2010 01:54:22; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42628
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 5; 679.7; 26-APR-2010 02:03:27; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42628
 6; 1012.5; 26-APR-2010 02:09:00; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;42628
 7; 1106.0; 26-APR-2010 02:10:34; Dark ; 44.5; 81; Eta Cen ; 2.36; 28000;occ; 89; 0;42628
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 9; 1582.8; 26-APR-2010 02:18:30; Bright; 49.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 98; 0;42628
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 13; 2563.1; 26-APR-2010 02:34:51; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;42628
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 15; 2790.2; 26-APR-2010 02:38:38; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42628
 16; 3234.7; 26-APR-2010 02:46:02; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42628

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5; -910.3; 26-APR-2010 03:17:33; Dark ; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;42628
6; -713.9; 26-APR-2010 03:20:49; Dark ; 55.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 110; 0;42628
7; -553.9; 26-APR-2010 03:23:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42628
8; -288.9; 26-APR-2010 03:27:55; Dark ; 41.0; 172; Gam Gru ; 3.00; 13100;occ; 82; 0;42628
9; 135.4; 26-APR-2010 03:34:59; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42629
10; 589.3; 26-APR-2010 03:42:33; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;42629
11; 680.5; 26-APR-2010 03:44:04; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42629
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13; 1106.5; 26-APR-2010 03:51:10; Dark ; 43.5; 81; Eta Cen ; 2.36; 28000;occ; 87; 0;42629
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19; 2562.9; 26-APR-2010 04:15:26; Bright; 36.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 73; 0;42629
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21; 2790.0; 26-APR-2010 04:19:13; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42629
22; 3234.8; 26-APR-2010 04:26:38; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;42629

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6; -713.1; 26-APR-2010 05:01:26; Dark ; 57.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 114; 0;42629
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8; -288.4; 26-APR-2010 05:08:31; Dark ; 43.5; 172; Gam Gru ; 3.00; 13100;occ; 87; 0;42629
9; 136.0; 26-APR-2010 05:15:35; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42630
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11; 681.5; 26-APR-2010 05:24:41; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42630
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13; 1106.6; 26-APR-2010 05:31:46; Dark ; 38.5; 81; Eta Cen ; 2.36; 28000;occ; 77; 0;42630
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17; 2093.0; 26-APR-2010 05:48:12; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;42630
18; 2248.4; 26-APR-2010 05:50:48; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;42630
19; 2563.1; 26-APR-2010 05:56:02; Bright; 37.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 75; 0;42630
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5; 2234.4; 30-APR-2010 17:08:54; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;42694
6; 2459.5; 30-APR-2010 17:12:39; Bright; 49.0; 83; ; 2.38; 11000;occ; 98; 0;42694
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8; 2771.9; 30-APR-2010 17:17:51; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;42694
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