

# GOMOS Daily Report 09-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	14APR2010 04:58:56
Data source version	GOMOS/5.00L04
Start time of products	09APR2010 00:00:29
Stop time of products	09APR2010 23:59:47
Store outputs in DB	Yes
Nb of level 1b prods	116
Nb of prods with errors	2

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

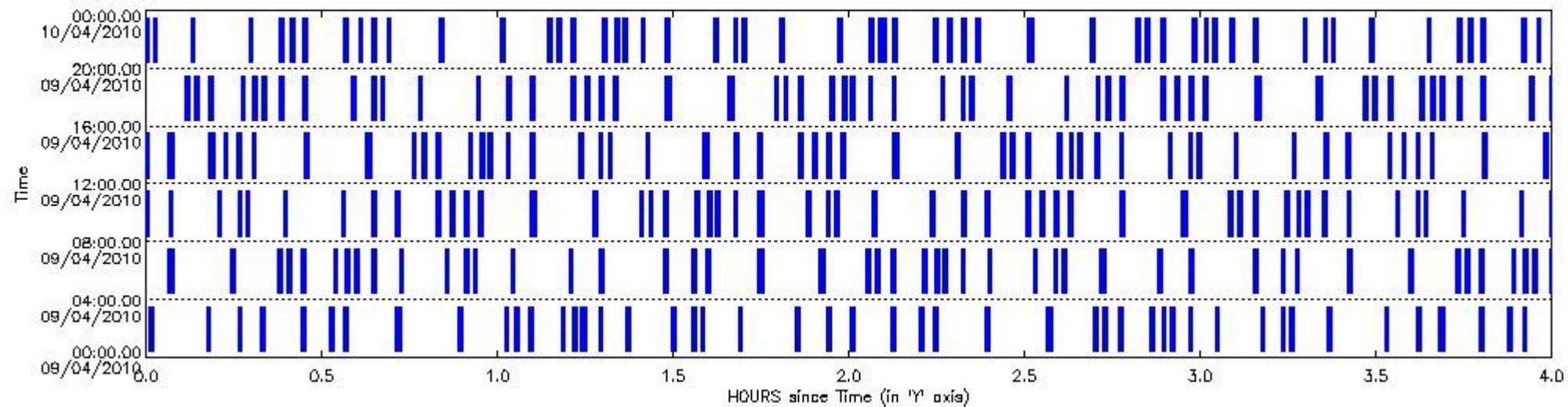
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

No missing products.

### 2.4 Summary of processed GOM\_TRA\_1P products

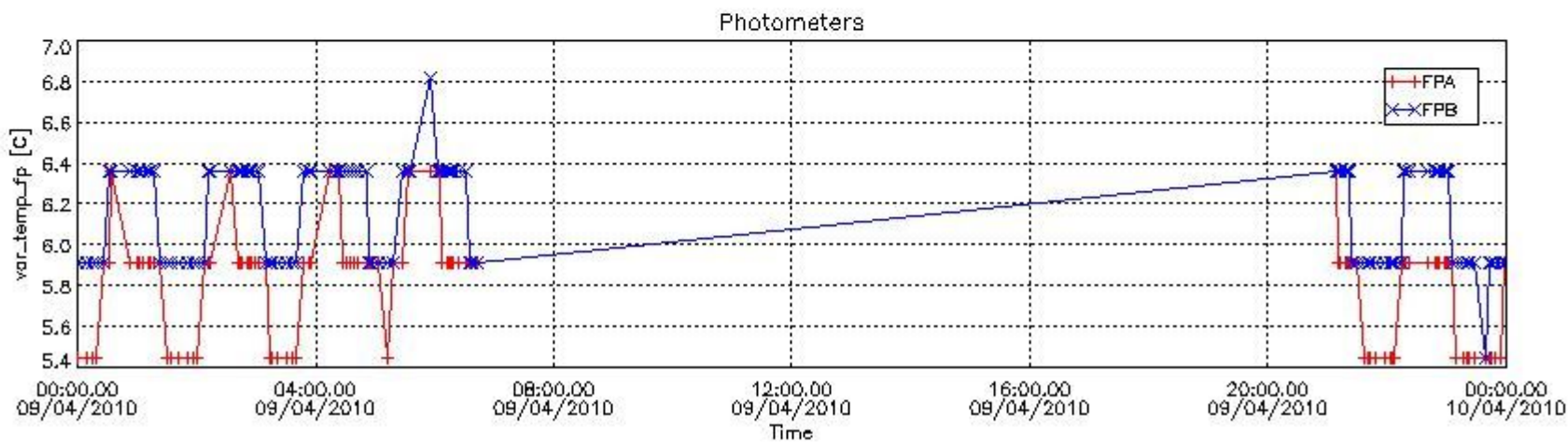
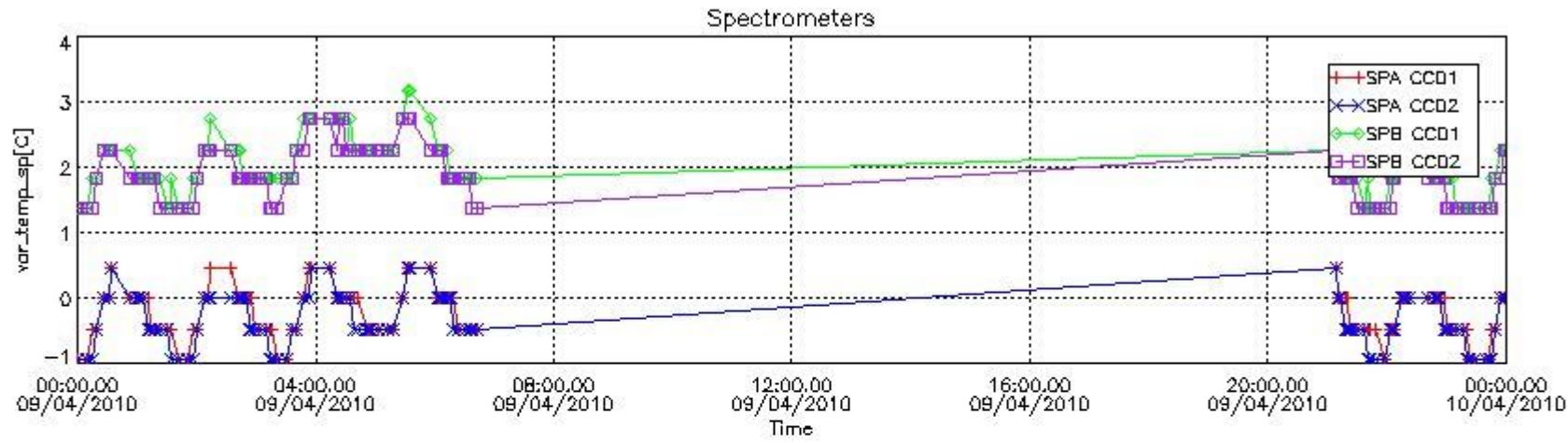
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100409_000029_000000382088_00245_42383_2751.N1	09-APR-2010 00:00:29	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	42383	No
2	GOM_TRA_1PNPDE20100409_001020_000000392088_00245_42383_2752.N1	09-APR-2010 00:10:20	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	42383	No
3	GOM_TRA_1PNPDE20100409_001534_000000472088_00245_42383_2753.N1	09-APR-2010 00:15:34	Bright	46.500	19	50Alp Cyg	1.2460	10500.	93	42383	No
4	GOM_TRA_1PNPDE20100409_001933_000000482088_00245_42383_2754.N1	09-APR-2010 00:19:33	Bright	48.000	92	53Eps Cyg	2.5000	4500.0	96	42383	No
5	GOM_TRA_1PNPDE20100409_002629_000000492088_00245_42383_2755.N1	09-APR-2010 00:26:29	Twilight_and_stray	49.000	61	8Eps Peg	2.1000	3900.0	98	42383	No
6	GOM_TRA_1PNPDE20100409_003117_000000452088_00245_42383_2756.N1	09-APR-2010 00:31:17	Dark	45.000	154	22Bet Aqr	2.8990	5700.0	90	42383	No
7	GOM_TRA_1PNPDE20100409_003346_000000432088_00245_42383_2764.N1	09-APR-2010 00:33:46	Dark	42.500	142	49Del Cap	2.8500	8900.0	85	42383	Yes
8	GOM_TRA_1PNPDE20100409_005304_000000552088_00246_42384_2765.N1	09-APR-2010 00:53:04	Dark	55.000	40	The Sco	1.8590	7100.0	110	42384	No
9	GOM_TRA_1PNPDE20100409_010107_000000462088_00246_42384_2766.N1	09-APR-2010 01:01:07	Straylight	45.500	78	Alp Lup	2.3040	28000.	91	42384	No
10	GOM_TRA_1PNPDE20100409_010244_000000482088_00246_42384_2767.N1	09-APR-2010 01:02:44	Straylight	47.500	81	Eta Cen	2.3560	28000.	95	42384	No
11	GOM_TRA_1PNPDE20100409_010516_000000522088_00246_42384_2768.N1	09-APR-2010 01:05:16	Straylight	51.500	54	5The Cen	2.0550	4500.0	103	42384	No
12	GOM_TRA_1PNPDE20100409_011045_000000442088_00246_42384_2769.N1	09-APR-2010 01:10:45	Twilight_and_stray	43.500	106	9Bet Crv	2.6480	5600.0	87	42384	No

13	GOM_TRA_1PNPDE20100409_011248_000000422088_00246_42384_2770.N1	09-APR-2010 01:12:48	Twilight	41.500	163	7Del Crv	2.9450	11000.	83	42384	No
14	GOM_TRA_1PNPDE20100409_011411_000000512088_00246_42384_2771.N1	09-APR-2010 01:14:11	Bright	51.000	15	67Alp Vir	0.97600	28000.	102	42384	No
15	GOM_TRA_1PNPDE20100409_011718_000000412088_00246_42384_2772.N1	09-APR-2010 01:17:18	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	42384	No
16	GOM_TRA_1PNPDE20100409_012158_000000372088_00246_42384_2773.N1	09-APR-2010 01:21:58	Bright	36.500	62	94Bet Leo	2.1360	9700.0	73	42384	No
17	GOM_TRA_1PNPDE20100409_012945_000000412088_00246_42384_2774.N1	09-APR-2010 01:29:45	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	42384	No
18	GOM_TRA_1PNPDE20100409_013311_000000382088_00246_42384_2775.N1	09-APR-2010 01:33:11	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	42384	No
19	GOM_TRA_1PNPDE20100409_013439_000000402088_00246_42384_2776.N1	09-APR-2010 01:34:39	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	42384	No
20	GOM_TRA_1PNPDE20100409_014105_000000402088_00246_42384_2777.N1	09-APR-2010 01:41:05	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42384	No
21	GOM_TRA_1PNPDE20100409_015055_000000392088_00246_42384_2778.N1	09-APR-2010 01:50:55	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	42384	No
22	GOM_TRA_1PNPDE20100409_015610_000000452088_00246_42384_2779.N1	09-APR-2010 01:56:10	Bright	45.000	19	50Alp Cyg	1.2460	10500.	90	42384	No
23	GOM_TRA_1PNPDE20100409_020009_000000512088_00246_42384_2780.N1	09-APR-2010 02:00:09	Bright	50.500	92	53Eps Cyg	2.5000	4500.0	101	42384	No
24	GOM_TRA_1PNPDE20100409_020705_000000522088_00246_42384_2781.N1	09-APR-2010 02:07:05	Twilight	51.500	61	8Eps Peg	2.1000	3900.0	103	42384	No
25	GOM_TRA_1PNPDE20100409_021154_000000462088_00246_42384_2785.N1	09-APR-2010 02:11:54	Dark	45.500	154	22Bet Aqr	2.8990	5700.0	91	42384	No
26	GOM_TRA_1PNPDE20100409_021422_000000442088_00246_42384_2786.N1	09-APR-2010 02:14:22	Dark	43.500	142	49Del Cap	2.8500	8900.0	87	42384	No
27	GOM_TRA_1PNPDE20100409_023341_000000562088_00247_42385_2787.N1	09-APR-2010 02:33:41	Dark	55.500	40	The Sco	1.8590	7100.0	111	42385	No
28	GOM_TRA_1PNPDE20100409_024144_000000432088_00247_42385_2788.N1	09-APR-2010 02:41:44	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	42385	No
29	GOM_TRA_1PNPDE20100409_024321_000000442088_00247_42385_2789.N1	09-APR-2010 02:43:21	Straylight	43.500	81	Eta Cen	2.3560	28000.	87	42385	No
30	GOM_TRA_1PNPDE20100409_024552_000000492088_00247_42385_2790.N1	09-APR-2010 02:45:52	Straylight	49.000	54	5The Cen	2.0550	4500.0	98	42385	No
31	GOM_TRA_1PNPDE20100409_025121_000000452088_00247_42385_2791.N1	09-APR-2010 02:51:21	Twilight	44.500	106	9Bet Crv	2.6480	5600.0	89	42385	No
32	GOM_TRA_1PNPDE20100409_025324_000000452088_00247_42385_2792.N1	09-APR-2010 02:53:24	Twilight	44.500	163	7Del Crv	2.9450	11000.	89	42385	No
33	GOM_TRA_1PNPDE20100409_025447_000000542088_00247_42385_2793.N1	09-APR-2010 02:54:47	Bright	53.500	15	67Alp Vir	0.97600	28000.	107	42385	No
34	GOM_TRA_1PNPDE20100409_025754_000000412088_00247_42385_2794.N1	09-APR-2010 02:57:54	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	42385	No
35	GOM_TRA_1PNPDE20100409_030234_000000382088_00247_42385_2795.N1	09-APR-2010 03:02:34	Bright	37.500	62	94Bet Leo	2.1360	9700.0	75	42385	No
36	GOM_TRA_1PNPDE20100409_031021_000000392088_00247_42385_2796.N1	09-APR-2010 03:10:21	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	42385	No
37	GOM_TRA_1PNPDE20100409_031347_000000362088_00247_42385_2797.N1	09-APR-2010 03:13:47	Bright	36.000	87	64Gam UMa	2.4330	11000.	72	42385	No
38	GOM_TRA_1PNPDE20100409_031514_000000392088_00247_42385_2798.N1	09-APR-2010 03:15:14	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	42385	No
39	GOM_TRA_1PNPDE20100409_032141_000000412088_00247_42385_2799.N1	09-APR-2010 03:21:41	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	42385	No
40	GOM_TRA_1PNPDE20100409_033131_000000372088_00247_42385_2812.N1	09-APR-2010 03:31:31	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	42385	No
41	GOM_TRA_1PNPDE20100409_033646_000000482088_00247_42385_2813.N1	09-APR-2010 03:36:46	Bright	47.500	19	50Alp Cyg	1.2460	10500.	95	42385	No
42	GOM_TRA_1PNPDE20100409_034045_000000502088_00247_42385_2814.N1	09-APR-2010 03:40:45	Bright	49.500	92	53Eps Cyg	2.5000	4500.0	99	42385	No
43	GOM_TRA_1PNPDE20100409_034741_000000472088_00247_42385_2815.N1	09-APR-2010 03:47:41	Twilight	47.000	61	8Eps Peg	2.1000	3900.0	94	42385	No
44	GOM_TRA_1PNPDE20100409_035230_000000442088_00247_42385_2816.N1	09-APR-2010 03:52:30	Dark	43.500	154	22Bet Aqr	2.8990	5700.0	87	42385	No
45	GOM_TRA_1PNPDE20100409_035459_000000432088_00247_42385_2817.N1	09-APR-2010 03:54:59	Dark	42.500	142	49Del Cap	2.8500	8900.0	85	42385	No
46	GOM_TRA_1PNPDE20100409_041418_000000562088_00248_42386_2818.N1	09-APR-2010 04:14:18	Dark	56.000	40	The Sco	1.8590	7100.0	112	42386	No
47	GOM_TRA_1PNPDE20100409_042220_000000462088_00248_42386_2819.N1	09-APR-2010 04:22:20	Straylight	45.500	78	Alp Lup	2.3040	28000.	91	42386	No
48	GOM_TRA_1PNPDE20100409_042357_000000462088_00248_42386_2820.N1	09-APR-2010 04:23:57	Straylight	46.000	81	Eta Cen	2.3560	28000.	92	42386	No
49	GOM_TRA_1PNPDE20100409_042628_000000502088_00248_42386_2821.N1	09-APR-2010 04:26:28	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	42386	No
50	GOM_TRA_1PNPDE20100409_043157_000000422088_00248_42386_2822.N1	09-APR-2010 04:31:57	Twilight	41.500	106	9Bet Crv	2.6480	5600.0	83	42386	No
51	GOM_TRA_1PNPDE20100409_043400_000000422088_00248_42386_2823.N1	09-APR-2010 04:34:00	Twilight	42.000	163	7Del Crv	2.9450	11000.	84	42386	No
52	GOM_TRA_1PNPDE20100409_043523_000000512088_00248_42386_2824.N1	09-APR-2010 04:35:23	Bright	51.000	15	67Alp Vir	0.97600	28000.	102	42386	No
53	GOM_TRA_1PNPDE20100409_043830_000000422088_00248_42386_2825.N1	09-APR-2010 04:38:30	Bright	42.000	121	29Gam Vir	2.7400	7200.0	84	42386	No
54	GOM_TRA_1PNPDE20100409_044310_000000362088_00248_42386_2826.N1	09-APR-2010 04:43:10	Bright	35.500	62	94Bet Leo	2.1360	9700.0	71	42386	No
55	GOM_TRA_1PNPDE20100409_045056_000000422088_00248_42386_2827.N1	09-APR-2010 04:50:56	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	42386	No
56	GOM_TRA_1PNPDE20100409_045423_000000372088_00248_42386_2828.N1	09-APR-2010 04:54:23	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	42386	No
57	GOM_TRA_1PNPDE20100409_045550_000000412088_00248_42386_2829.N1	09-APR-2010 04:55:50	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	42386	No
58	GOM_TRA_1PNPDE20100409_050216_000000382088_00248_42386_2830.N1	09-APR-2010 05:02:16	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	42386	No
59	GOM_TRA_1PNPDE20100409_051207_000000392088_00248_42386_2834.N1	09-APR-2010 05:12:07	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	42386	No
60	GOM_TRA_1PNPDE20100409_051722_000000452088_00248_42386_2835.N1	09-APR-2010 05:17:22	Bright	44.500	19	50Alp Cyg	1.2460	10500.	89	42386	No
61	GOM_TRA_1PNPDE20100409_052817_000000492088_00248_42386_2836.N1	09-APR-2010 05:28:17	Twilight	48.500	61	8Eps Peg	2.1000	3900.0	97	42386	No
62	GOM_TRA_1PNPDE20100409_053306_000000482088_00248_42386_2837.N1	09-APR-2010 05:33:06	Dark	47.500	154	22Bet Aqr	2.8990	5700.0	95	42386	No
63	GOM_TRA_1PNPDE20100409_053535_000000412088_00248_42386_2838.N1	09-APR-2010 05:35:35	Dark	40.500	142	49Del Cap	2.8500	8900.0	81	42386	No
64	GOM_TRA_1PNPDE20100409_055455_000000542088_00249_42387_2839.N1	09-APR-2010 05:54:55	Dark	53.500	40	The Sco	1.8590	7100.0	107	42387	No
65	GOM_TRA_1PNPDE20100409_060257_000000482088_00249_42387_2840.N1	09-APR-2010 06:02:57	Straylight	47.500	78	Alp Lup	2.3040	28000.	95	42387	No
66	GOM_TRA_1PNPDE20100409_060433_000000492088_00249_42387_2841.N1	09-APR-2010 06:04:33	Straylight	48.500	81	Eta Cen	2.3560	28000.	97	42387	No
67	GOM_TRA_1PNPDE20100409_060705_000000502088_00249_42387_2842.N1	09-APR-2010 06:07:05	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	42387	No
68	GOM_TRA_1PNPDE20100409_061233_000000432088_00249_42387_2843.N1	09-APR-2010 06:12:33	Twilight	42.500	106	9Bet Crv	2.6480	5600.0	85	42387	No
69	GOM_TRA_1PNPDE20100409_061436_000000432088_00249_42387_2844.N1	09-APR-2010 06:14:36	Twilight	42.500	163	7Del Crv	2.9450	11000.	85	42387	No
70	GOM_TRA_1PNPDE20100409_061559_000000502088_00249_42387_2845.N1	09-APR-2010 06:15:59	Bright	50.000	15	67Alp Vir	0.97600	28000.	100	42387	No
71	GOM_TRA_1PNPDE20100409_061906_000000412088_00249_42387_2846.N1	09-APR-2010 06:19:06	Bright	41.000	121	29Gam Vir	2.7400	7200.0	82	42387	No

72	GOM_TRA_1PNPDE20100409_062346_000000372088_00249_42387_2847.N1	09-APR-2010 06:23:46	Bright	36.500	62	94Bet Leo	2.1360	9700.0	73	42387	No
73	GOM_TRA_1PNPDE20100409_063132_000000392088_00249_42387_2848.N1	09-APR-2010 06:31:32	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	42387	No
74	GOM_TRA_1PNPDE20100409_063459_000000352088_00249_42387_2849.N1	09-APR-2010 06:34:59	Bright	34.500	87	64Gam UMa	2.4330	11000.	69	42387	No
75	GOM_TRA_1PNPDE20100409_063626_000000392088_00249_42387_2850.N1	09-APR-2010 06:36:26	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	42387	No
76	GOM_TRA_1PNPDE20100409_064252_000000572088_00249_42387_2851.N1	09-APR-2010 06:42:52	Bright	56.500	60	7Bet UMi	2.0810	3950.0	113	42387	No
77	GOM_TRA_1PNPDE20100409_210825_000000442088_00258_42396_2943.N1	09-APR-2010 21:08:25	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	42396	Yes
78	GOM_TRA_1PNPDE20100409_211001_000000482088_00258_42396_2944.N1	09-APR-2010 21:10:01	Straylight	48.000	81	Eta Cen	2.3560	28000.	96	42396	No
79	GOM_TRA_1PNPDE20100409_211232_000000482088_00258_42396_2945.N1	09-APR-2010 21:12:32	Straylight	48.000	54	5The Cen	2.0550	4500.0	96	42396	No
80	GOM_TRA_1PNPDE20100409_211758_000000432088_00258_42396_2946.N1	09-APR-2010 21:17:58	Twilight_stray	43.000	106	9Bet Crv	2.6480	5600.0	86	42396	No
81	GOM_TRA_1PNPDE20100409_212001_000000442088_00258_42396_2947.N1	09-APR-2010 21:20:01	Twilight_stray	43.500	163	7Del Crv	2.9450	11000.	87	42396	No
82	GOM_TRA_1PNPDE20100409_212123_000000462088_00258_42396_2948.N1	09-APR-2010 21:21:23	Bright	45.500	15	67Alp Vir	0.97600	28000.	91	42396	No
83	GOM_TRA_1PNPDE20100409_212429_000000412088_00258_42396_2949.N1	09-APR-2010 21:24:29	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	42396	No
84	GOM_TRA_1PNPDE20100409_212833_000000422088_00258_42396_2950.N1	09-APR-2010 21:28:33	Bright	42.000	138	47Eps Vir	2.8280	4700.0	84	42396	No
85	GOM_TRA_1PNPDE20100409_213652_000000422088_00258_42396_2951.N1	09-APR-2010 21:36:52	Bright	41.500	152	12Alp2CVn	2.8900	11000.	83	42396	No
86	GOM_TRA_1PNPDE20100409_214021_000000352088_00258_42396_2952.N1	09-APR-2010 21:40:21	Bright	34.500	87	64Gam UMa	2.4330	11000.	69	42396	No
87	GOM_TRA_1PNPDE20100409_214146_000000372088_00258_42396_2953.N1	09-APR-2010 21:41:46	Bright	37.000	32	77Eps UMa	1.7630	11000.	74	42396	No
88	GOM_TRA_1PNPDE20100409_214812_000000412088_00258_42396_2954.N1	09-APR-2010 21:48:12	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	42396	No
89	GOM_TRA_1PNPDE20100409_215805_000000382088_00258_42396_2955.N1	09-APR-2010 21:58:05	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	42396	No
90	GOM_TRA_1PNPDE20100409_220320_000000462088_00258_42396_2956.N1	09-APR-2010 22:03:20	Bright	46.000	19	50Alp Cyg	1.2460	10500.	92	42396	No
91	GOM_TRA_1PNPDE20100409_220503_000000692088_00258_42396_2957.N1	09-APR-2010 22:05:03	Bright	69.000	66	37Gam Cyg	2.2080	5900.0	138	42396	No
92	GOM_TRA_1PNPDE20100409_220721_000000512088_00258_42396_2958.N1	09-APR-2010 22:07:21	Bright	50.500	92	53Eps Cyg	2.5000	4500.0	101	42396	No
93	GOM_TRA_1PNPDE20100409_221420_000000532088_00258_42396_2959.N1	09-APR-2010 22:14:20	Twilight_stray	53.000	61	8Eps Peg	2.1000	3900.0	106	42396	No
94	GOM_TRA_1PNPDE20100409_221649_000000422088_00258_42396_2960.N1	09-APR-2010 22:16:49	Dark	41.500	162	34Alp Aqr	2.9440	5350.0	83	42396	No
95	GOM_TRA_1PNPDE20100409_221911_000000452088_00258_42396_2961.N1	09-APR-2010 22:19:11	Dark	45.000	154	22Bet Aqr	2.8990	5700.0	90	42396	No
96	GOM_TRA_1PNPDE20100409_222139_000000432088_00258_42396_2963.N1	09-APR-2010 22:21:39	Dark	43.000	142	49Del Cap	2.8500	8900.0	86	42396	No
97	GOM_TRA_1PNPDE20100409_224106_000000542088_00259_42397_2964.N1	09-APR-2010 22:41:06	Dark	53.500	40	The Sco	1.8590	7100.0	107	42397	No
98	GOM_TRA_1PNPDE20100409_224901_000000462088_00259_42397_2965.N1	09-APR-2010 22:49:01	Straylight	46.000	78	Alp Lup	2.3040	28000.	92	42397	No
99	GOM_TRA_1PNPDE20100409_225038_000000452088_00259_42397_2966.N1	09-APR-2010 22:50:38	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	42397	No
100	GOM_TRA_1PNPDE20100409_225308_000000502088_00259_42397_2967.N1	09-APR-2010 22:53:08	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	42397	No
101	GOM_TRA_1PNPDE20100409_225834_000000432088_00259_42397_2968.N1	09-APR-2010 22:58:34	Twilight_stray	43.000	106	9Bet Crv	2.6480	5600.0	86	42397	No
102	GOM_TRA_1PNPDE20100409_230037_000000432088_00259_42397_2969.N1	09-APR-2010 23:00:37	Twilight_stray	43.000	163	7Del Crv	2.9450	11000.	86	42397	No
103	GOM_TRA_1PNPDE20100409_230159_000000532088_00259_42397_2970.N1	09-APR-2010 23:01:59	Bright	52.500	15	67Alp Vir	0.97600	28000.	105	42397	No
104	GOM_TRA_1PNPDE20100409_230504_000000402088_00259_42397_2971.N1	09-APR-2010 23:05:04	Bright	40.000	121	29Gam Vir	2.7400	7200.0	80	42397	No
105	GOM_TRA_1PNPDE20100409_230909_000000422088_00259_42397_2972.N1	09-APR-2010 23:09:09	Bright	42.000	138	47Eps Vir	2.8280	4700.0	84	42397	No
106	GOM_TRA_1PNPDE20100409_231727_000000402088_00259_42397_2973.N1	09-APR-2010 23:17:27	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	42397	No
107	GOM_TRA_1PNPDE20100409_232056_000000362088_00259_42397_2974.N1	09-APR-2010 23:20:56	Bright	36.000	87	64Gam UMa	2.4330	11000.	72	42397	No
108	GOM_TRA_1PNPDE20100409_232222_000000392088_00259_42397_2975.N1	09-APR-2010 23:22:22	Bright	38.500	32	77Eps UMa	1.7630	11000.	77	42397	No
109	GOM_TRA_1PNPDE20100409_232848_000000572088_00259_42397_2976.N1	09-APR-2010 23:28:48	Bright	57.000	60	7Bet UMi	2.0810	3950.0	114	42397	No
110	GOM_TRA_1PNPDE20100409_233841_000000382088_00259_42397_2977.N1	09-APR-2010 23:38:41	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	42397	No
111	GOM_TRA_1PNPDE20100409_234356_000000482088_00259_42397_2978.N1	09-APR-2010 23:43:56	Bright	48.000	19	50Alp Cyg	1.2460	10500.	96	42397	No
112	GOM_TRA_1PNPDE20100409_234539_000000522088_00259_42397_2979.N1	09-APR-2010 23:45:39	Bright	51.500	66	37Gam Cyg	2.2080	5900.0	103	42397	No
113	GOM_TRA_1PNPDE20100409_234757_000000512088_00259_42397_2980.N1	09-APR-2010 23:47:57	Bright	50.500	92	53Eps Cyg	2.5000	4500.0	101	42397	No
114	GOM_TRA_1PNPDE20100409_235456_000000492088_00259_42397_2981.N1	09-APR-2010 23:54:56	Twilight_stray	49.000	61	8Eps Peg	2.1000	3900.0	98	42397	No
115	GOM_TRA_1PNPDE20100409_235725_000000462088_00259_42397_2982.N1	09-APR-2010 23:57:25	Dark	45.500	162	34Alp Aqr	2.9440	5350.0	91	42397	No
116	GOM_TRA_1PNPDE20100409_235947_000000472088_00259_42397_2983.N1	09-APR-2010 23:59:47	Dark	46.500	154	22Bet Aqr	2.8990	5700.0	93	42397	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).

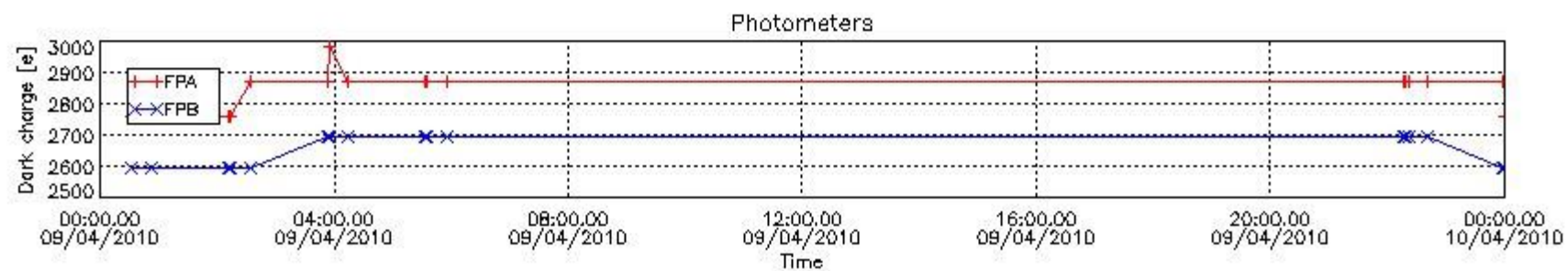
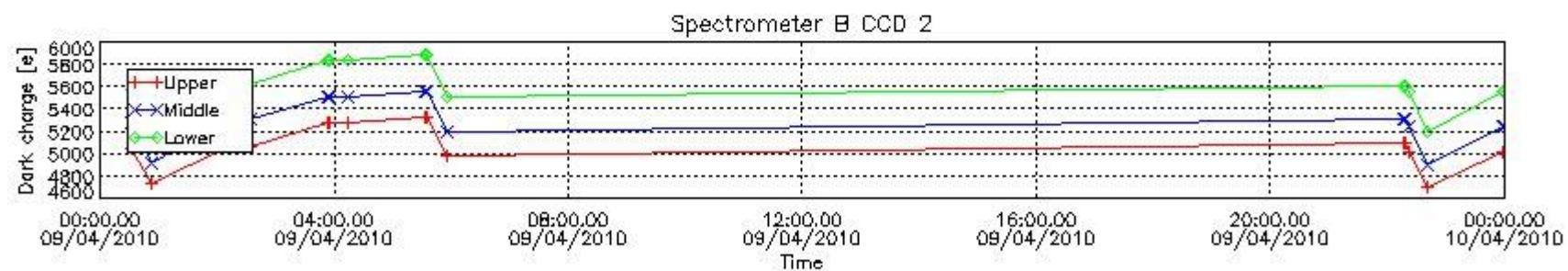
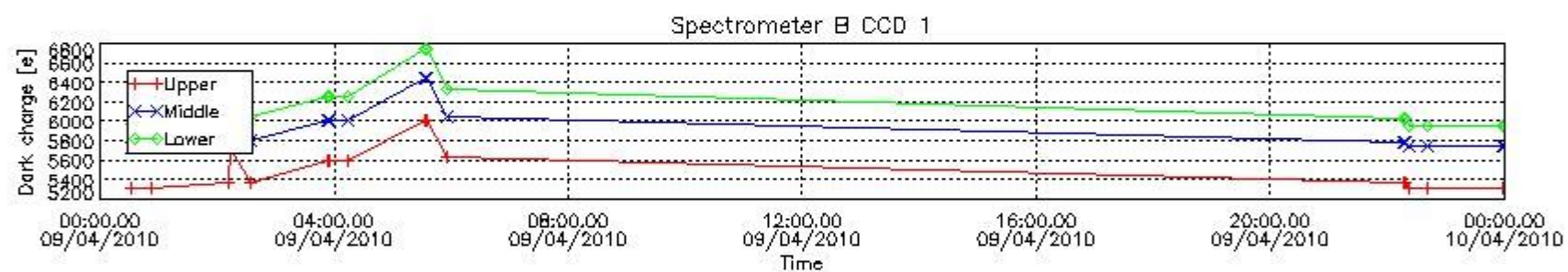
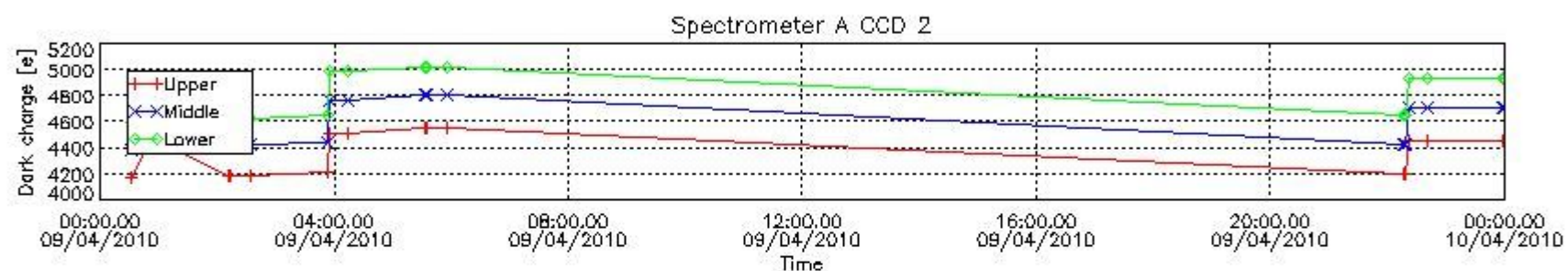
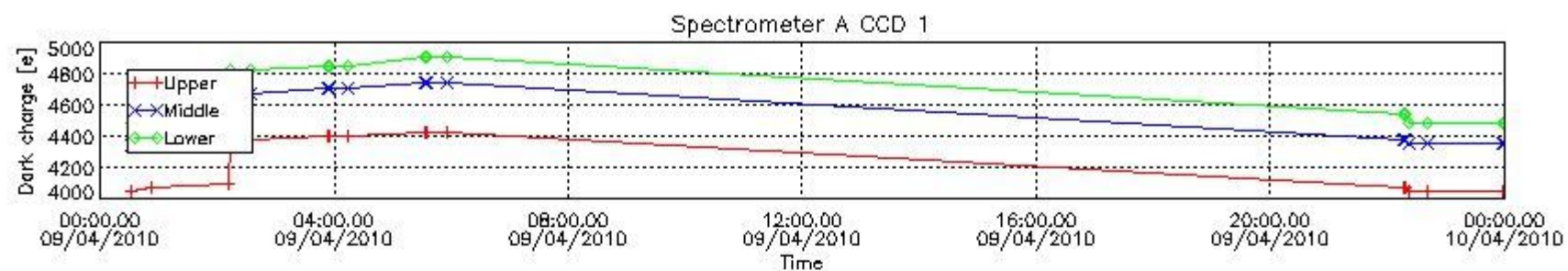
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100409_210825_000000442088_00258_42396_2943.N1	DC map with no T dep.
GOM_TRA_1PNPDE20100409_211001_000000482088_00258_42396_2944.N1	DC map used
GOM_TRA_1PNPDE20100409_211232_000000482088_00258_42396_2945.N1	DC map used
GOM_TRA_1PNPDE20100409_211758_000000432088_00258_42396_2946.N1	DC map used
GOM_TRA_1PNPDE20100409_212001_000000442088_00258_42396_2947.N1	DC map used
GOM_TRA_1PNPDE20100409_212123_000000462088_00258_42396_2948.N1	DC map used
GOM_TRA_1PNPDE20100409_212429_000000412088_00258_42396_2949.N1	DC map used
GOM_TRA_1PNPDE20100409_212833_000000422088_00258_42396_2950.N1	DC map used
GOM_TRA_1PNPDE20100409_213652_000000422088_00258_42396_2951.N1	DC map used
GOM_TRA_1PNPDE20100409_214021_000000352088_00258_42396_2952.N1	DC map used
GOM_TRA_1PNPDE20100409_214146_000000372088_00258_42396_2953.N1	DC map used
GOM_TRA_1PNPDE20100409_214812_000000412088_00258_42396_2954.N1	DC map used
GOM_TRA_1PNPDE20100409_215805_000000382088_00258_42396_2955.N1	DC map used
GOM_TRA_1PNPDE20100409_220320_000000462088_00258_42396_2956.N1	DC map used

GOM_TRA_1PNPDE20100409_220503_000000692088_00258_42396_2957.N1	DC map used
GOM_TRA_1PNPDE20100409_220721_000000512088_00258_42396_2958.N1	DC map used
GOM_TRA_1PNPDE20100409_221420_000000532088_00258_42396_2959.N1	DC map used
GOM_TRA_1PNPDE20100409_221649_000000422088_00258_42396_2960.N1	DC map used
GOM_TRA_1PNPDE20100409_221911_000000452088_00258_42396_2961.N1	DC map used

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

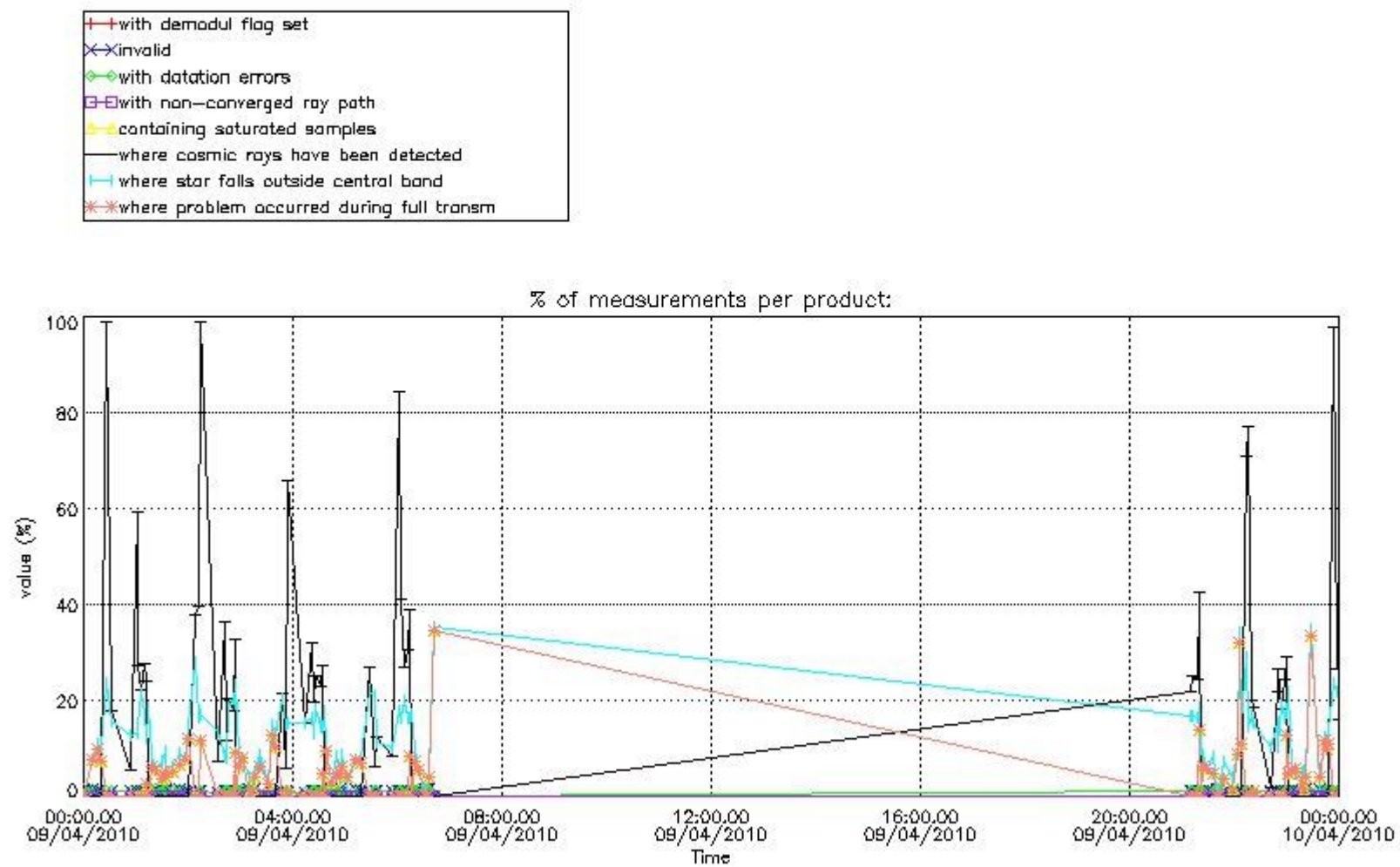


In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

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

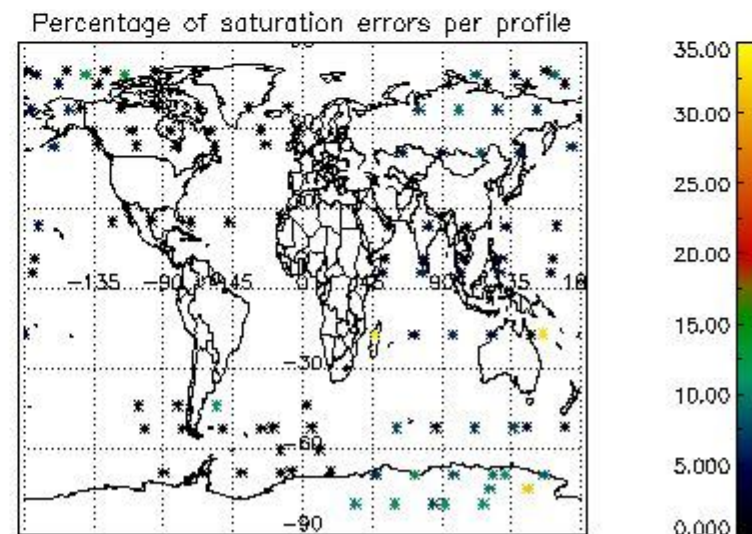
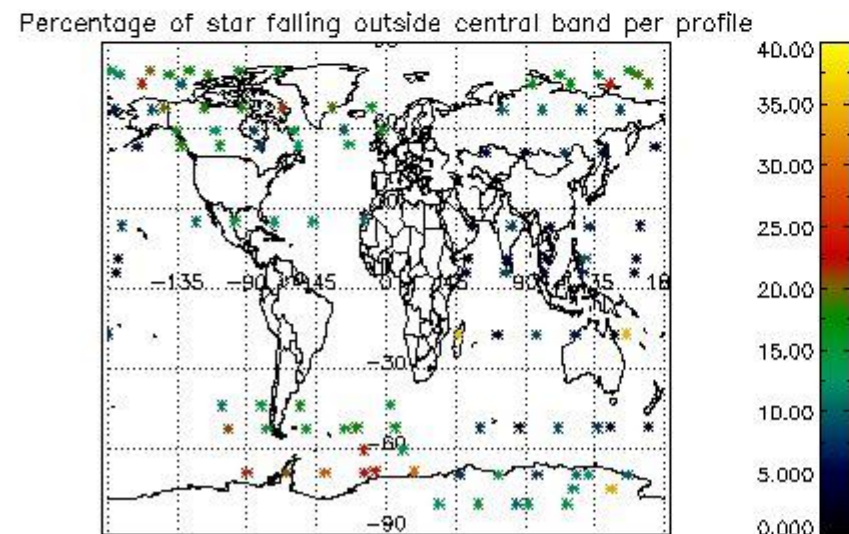
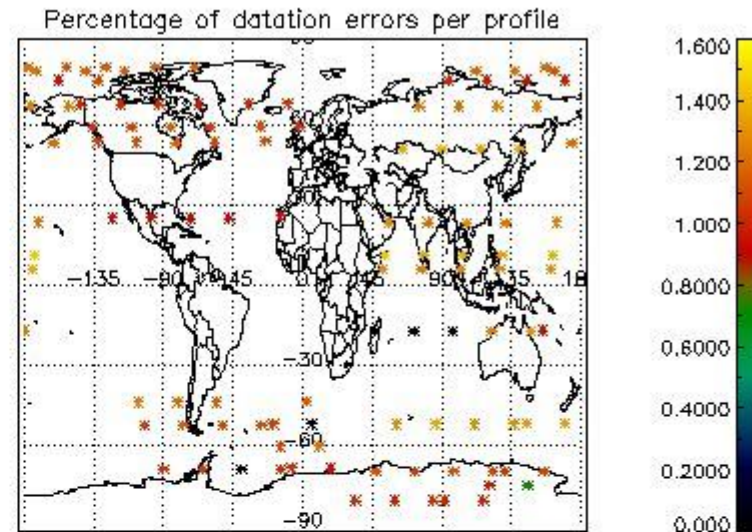
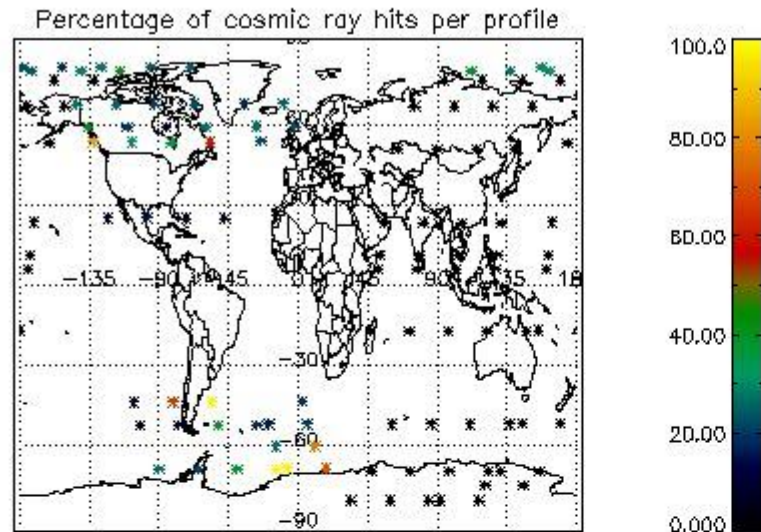
At least one measurement with demodulation flag set:	35.9649 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

### 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)

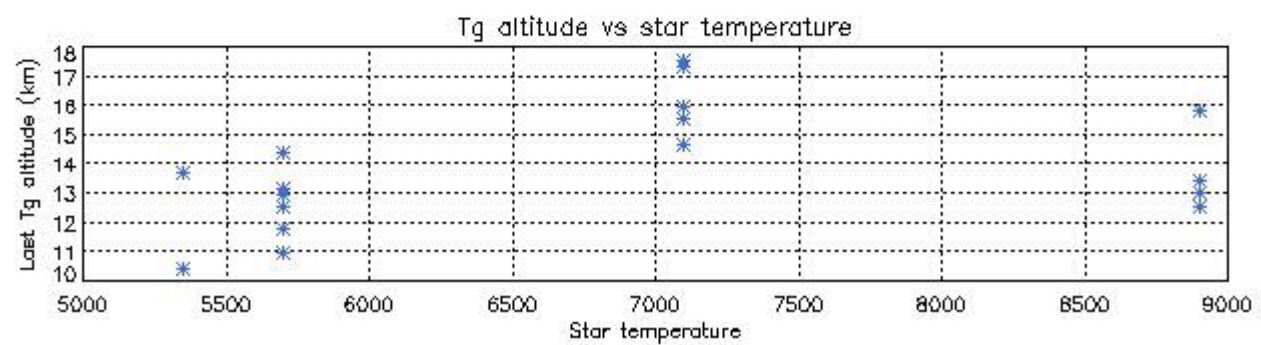
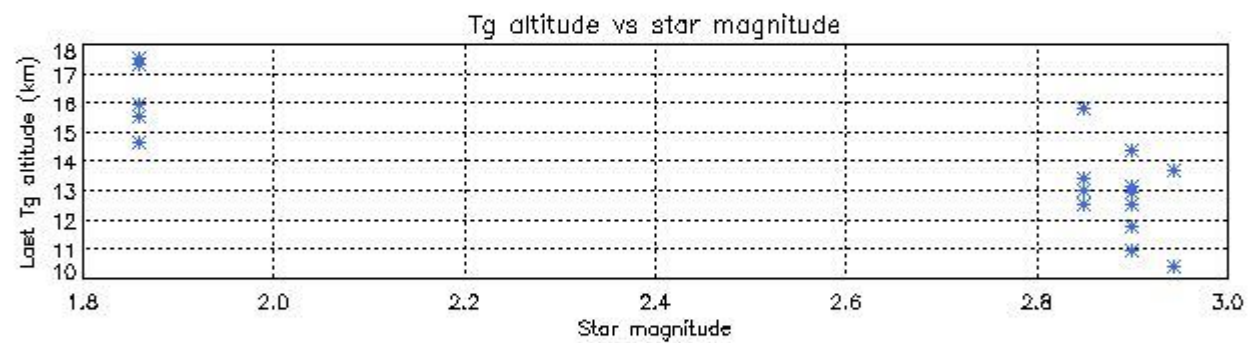
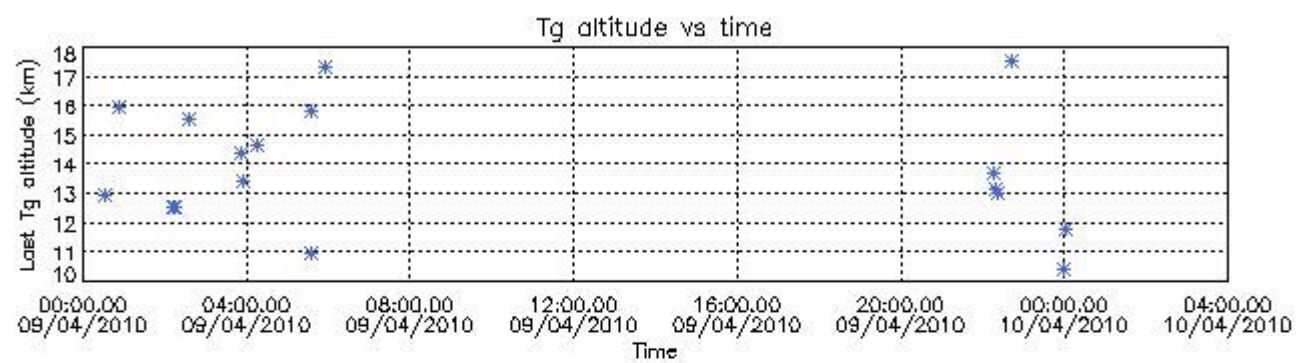
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.857	18.640	NaN
St. deviation:	2.0690	5.0133	NaN
Maximum:	17.553	25.666	NaN
Minimum:	10.381	3.2929	NaN
Number of data:	17.000	62.000	NaN

### 6.2 Plot for DARK limb products

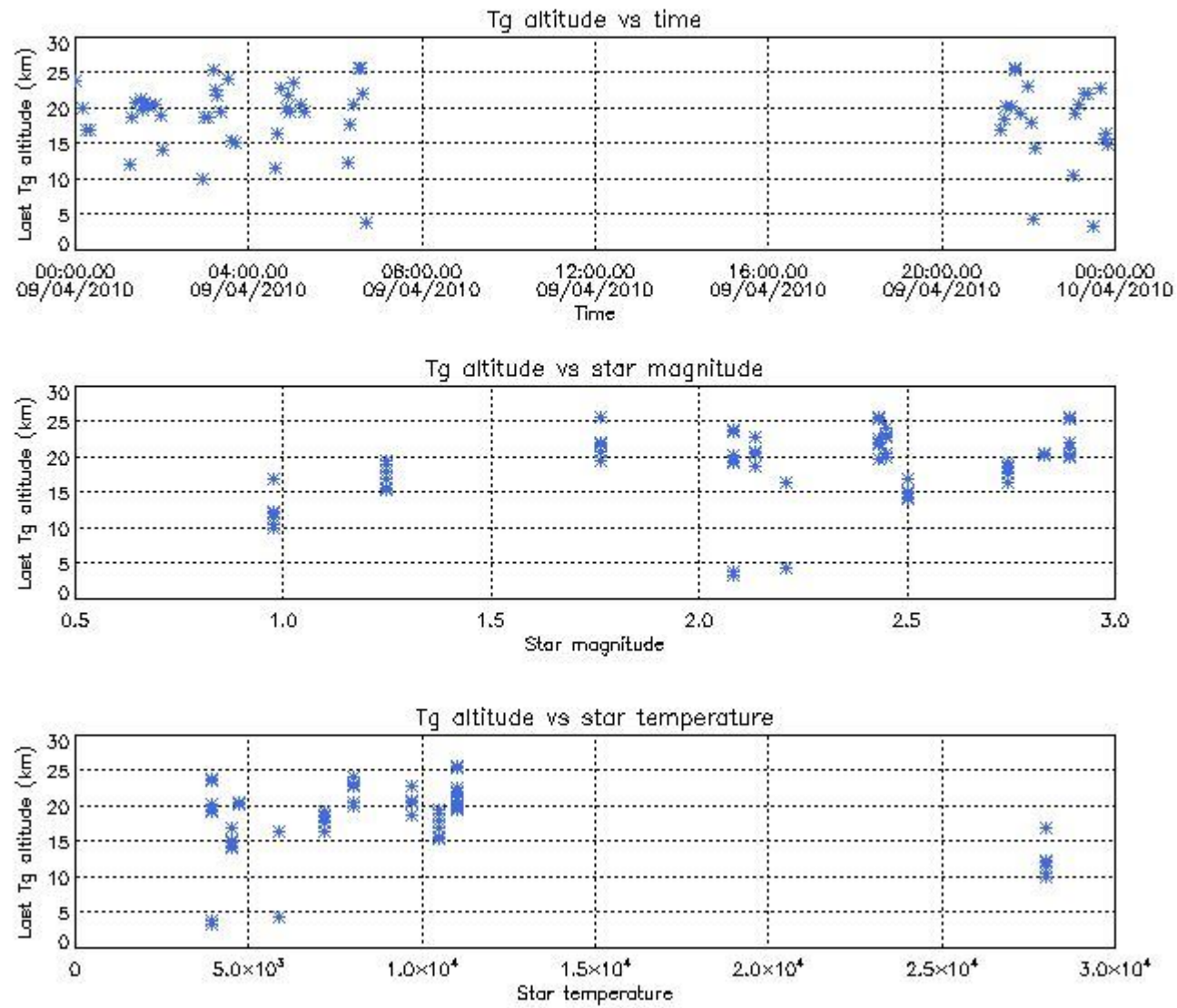


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

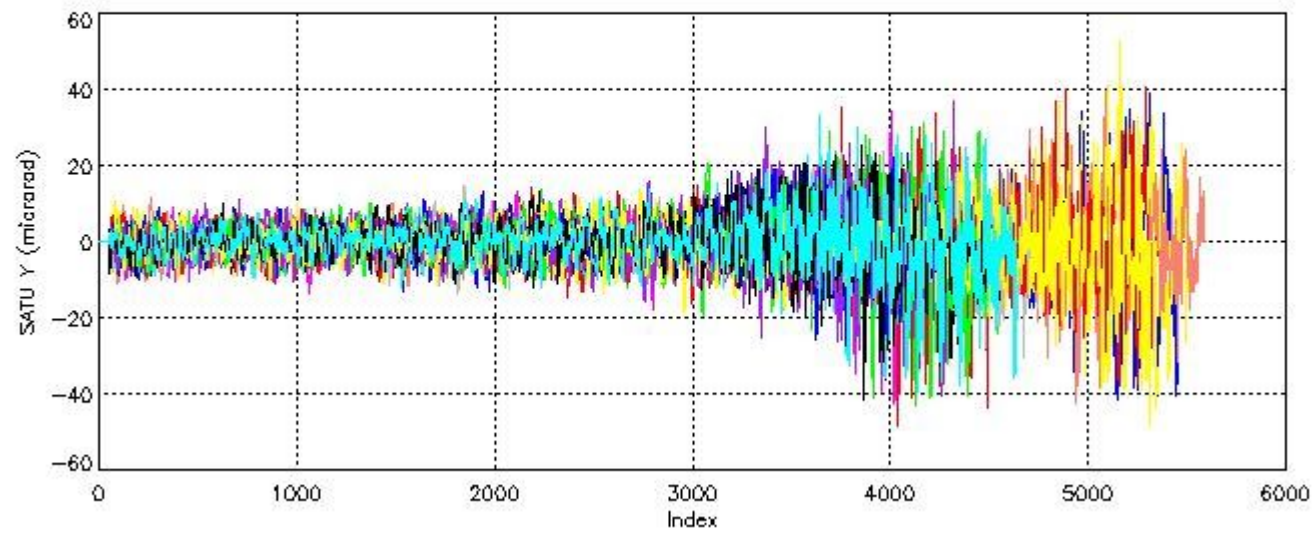
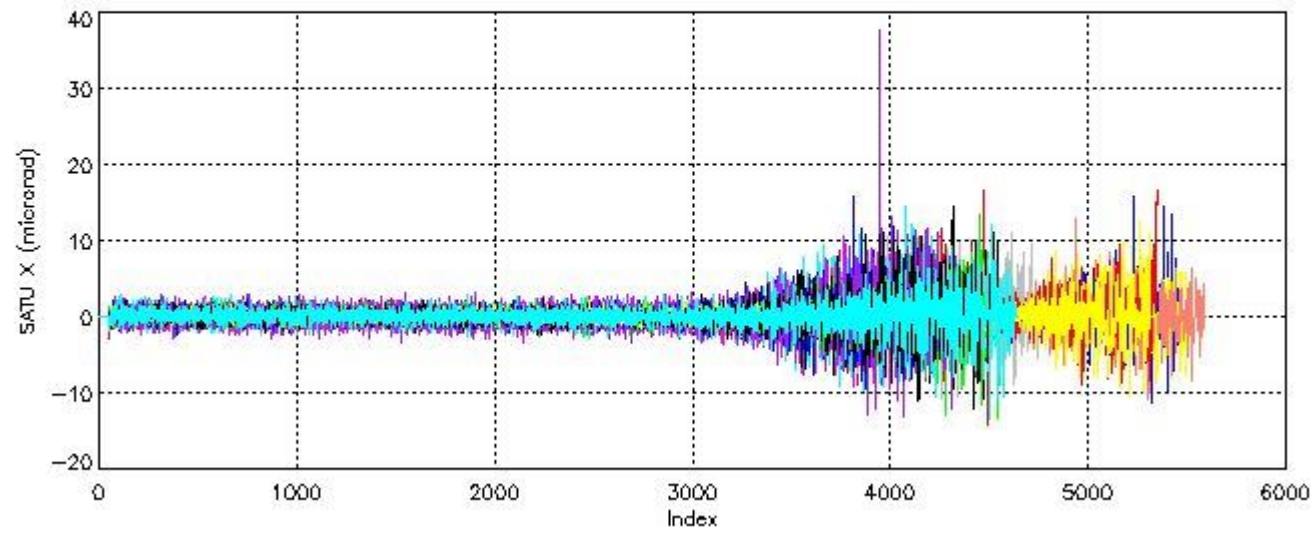


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.11636	-0.41251	0.19411	-0.49628
St. deviation:	0.65713	3.1944	0.76998	3.0704
Maximum:	3.0000	11.700	7.6000	11.900
Minimum:	-3.0000	-11.100	-5.9000	-13.300



Number of data:	17350.	17350.	59400.	59400.
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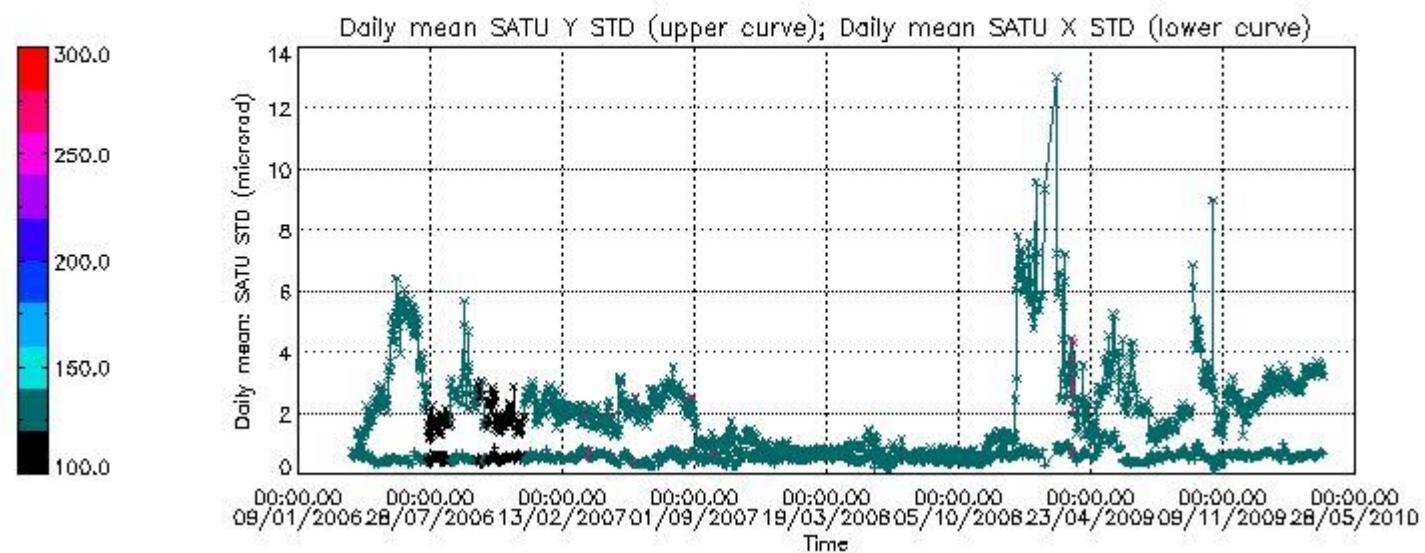
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

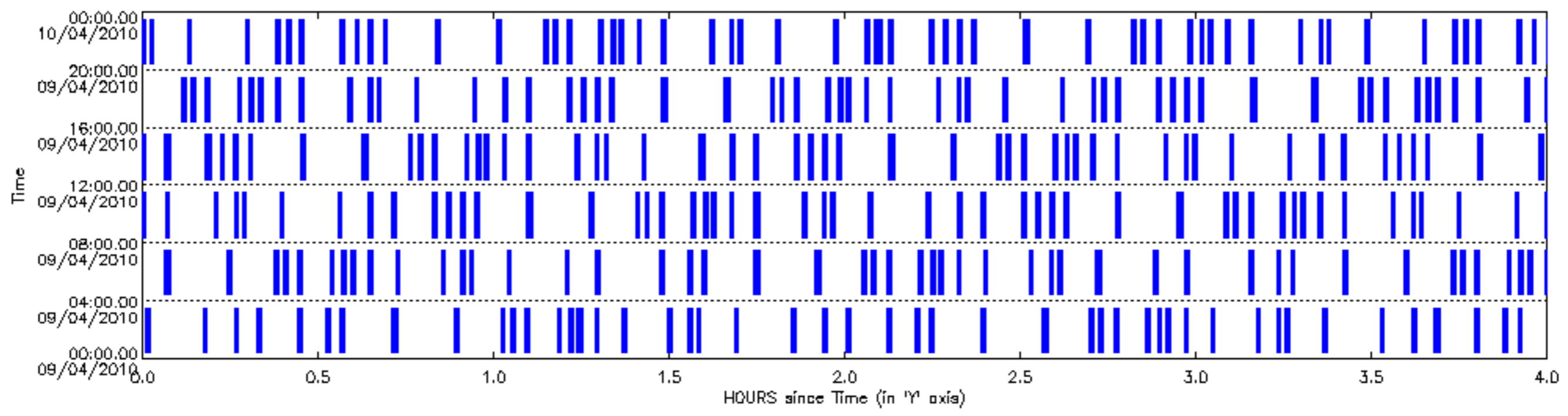
Lower curve: STD of SATU X axis

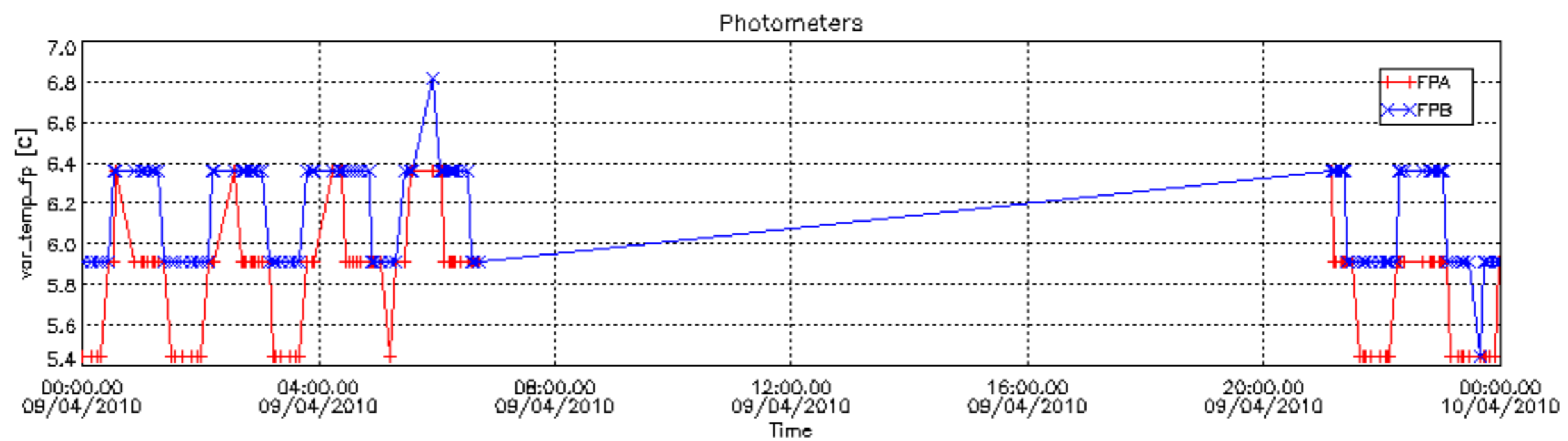
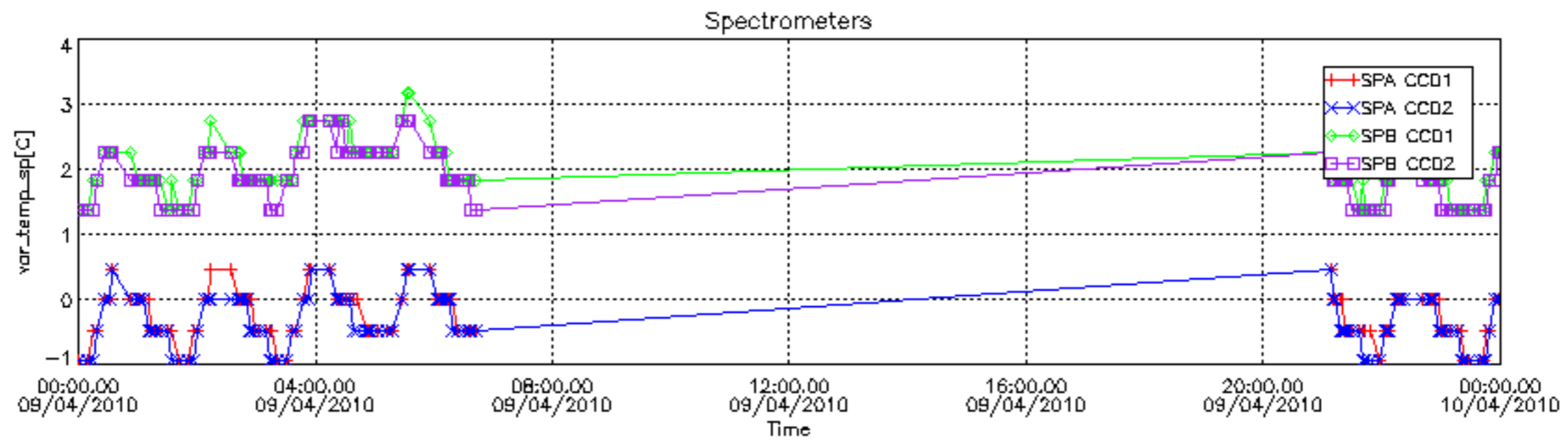


### 8. Auxiliary Data Files used for the production reported in section 2.4

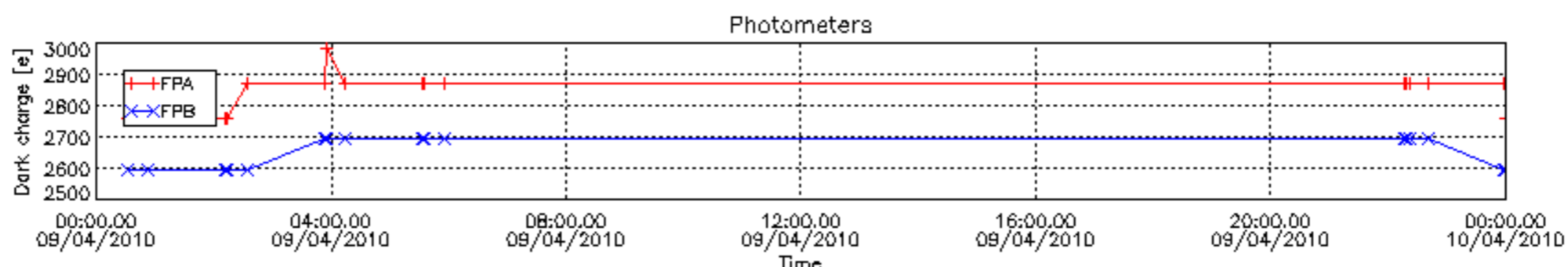
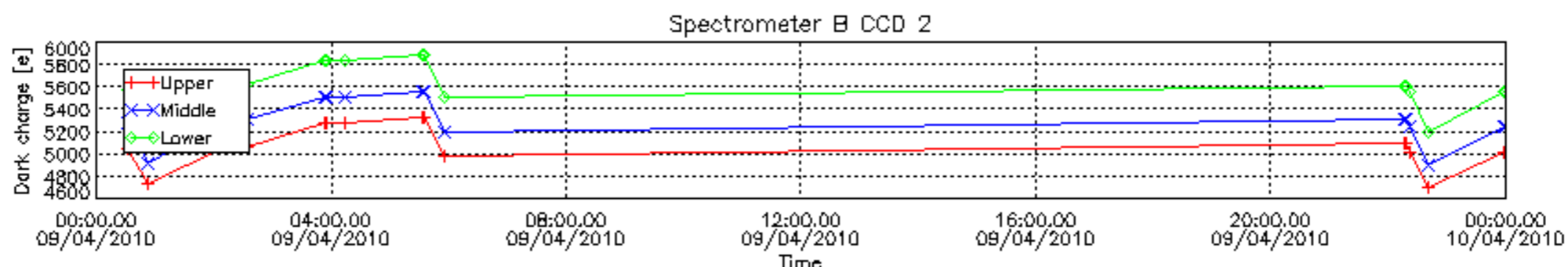
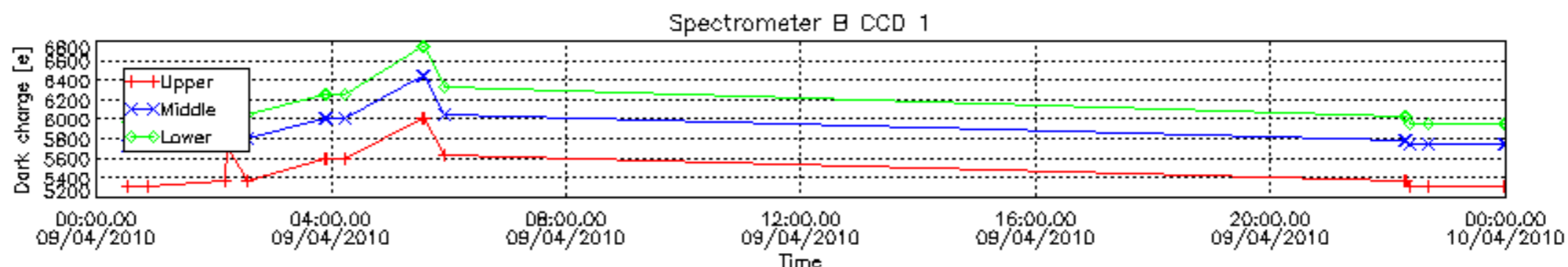
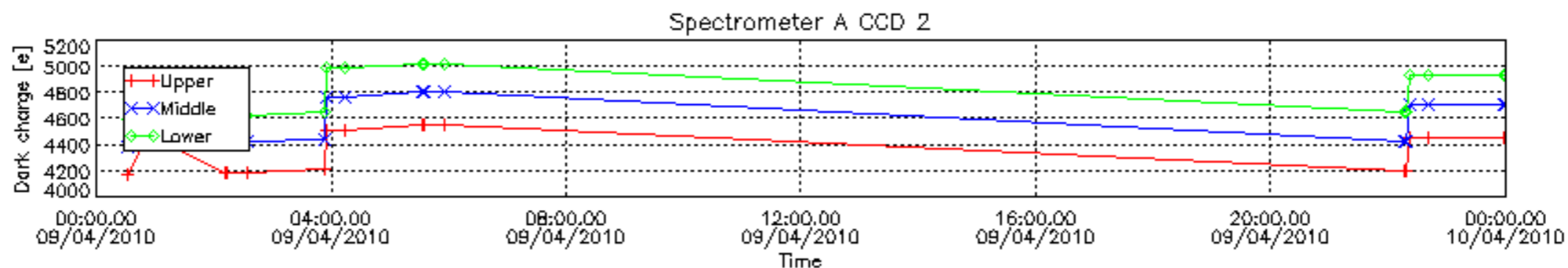
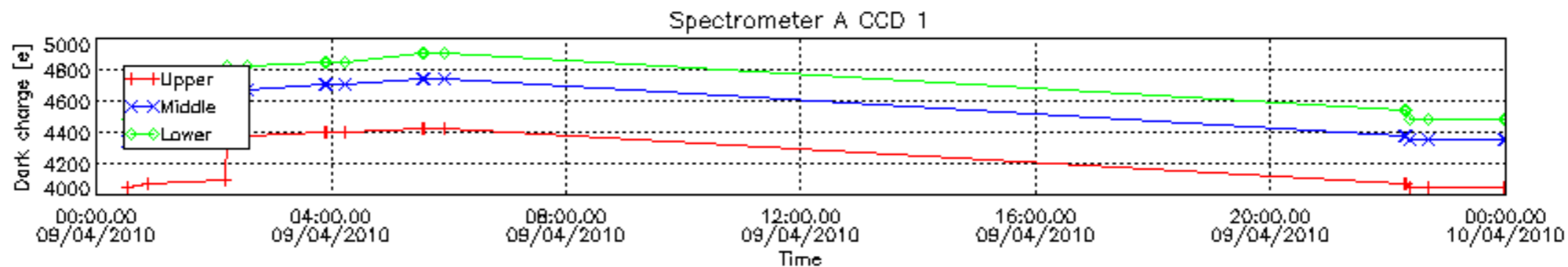
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

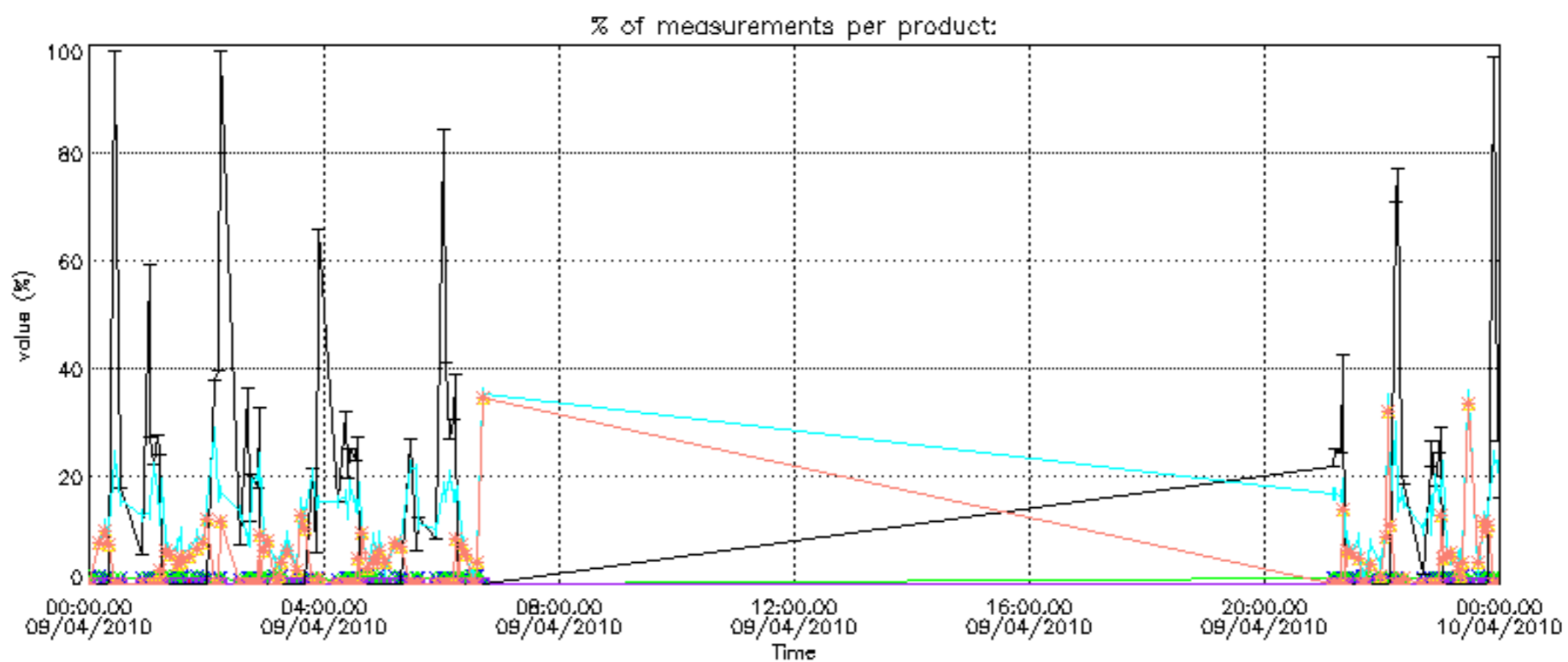
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	09-APR-2010 00:00:29
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100407_100257_20100406_000000_20500101_000000	1	09-APR-2010 00:00:29
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	09-APR-2010 00:00:29
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	09-APR-2010 00:00:29
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	09-APR-2010 00:00:29
ECMWF_FILE	AUX_ECF_AXNECM20100408_052119_20100408_210000_20100409_090000	1	09-APR-2010 00:00:29
ECMWF_FILE	AUX_ECF_AXNECM20100408_172806_20100409_030000_20100409_150000	40	09-APR-2010 03:31:31
ECMWF_FILE	AUX_ECA_AXNECM20100409_052118_20100408_210000_20100409_090000	59	09-APR-2010 05:12:07
ECMWF_FILE	AUX_ECF_AXNECM20100409_054117_20100409_210000_20100410_090000	77	09-APR-2010 21:08:25
OPTIONAL_ECMWF_FILE	MISSING	1	09-APR-2010 00:00:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100408_225008_000057382088_00244_42382_0124.N1	1	09-APR-2010 00:00:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100409_003105_000054192088_00245_42383_0125.N1	7	09-APR-2010 00:33:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100409_020643_000041442088_00246_42384_0126.N1	25	09-APR-2010 02:11:54
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100409_032106_000060572088_00247_42385_0127.N1	40	09-APR-2010 03:31:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100409_050722_000057382088_00248_42386_0128.N1	59	09-APR-2010 05:12:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100409_210344_000041442088_00258_42396_0129.N1	77	09-APR-2010 21:08:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100409_221807_000057382088_00258_42396_0130.N1	96	09-APR-2010 22:21:39



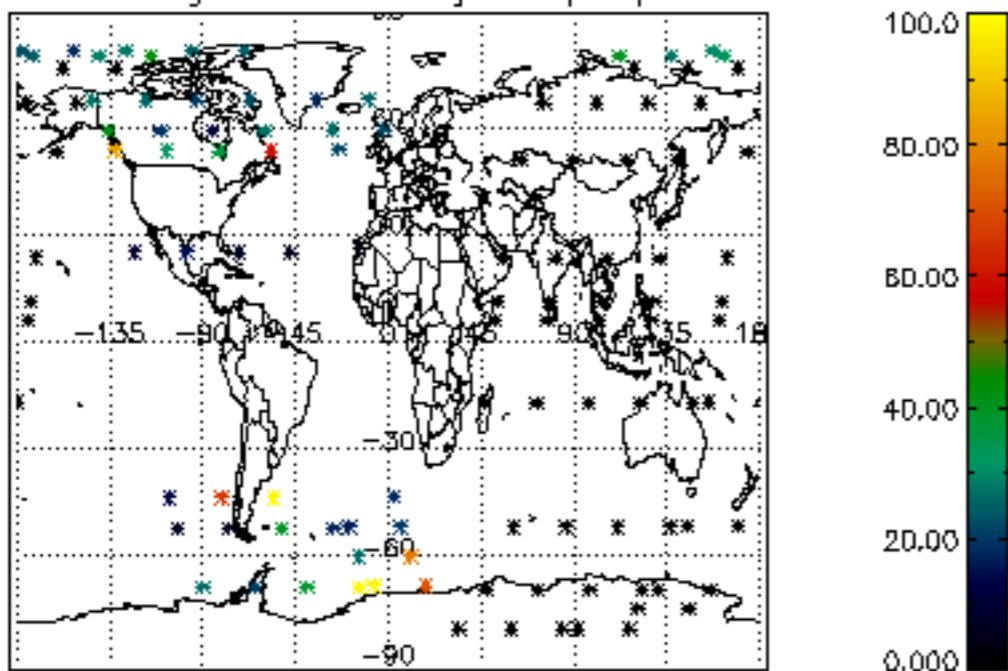




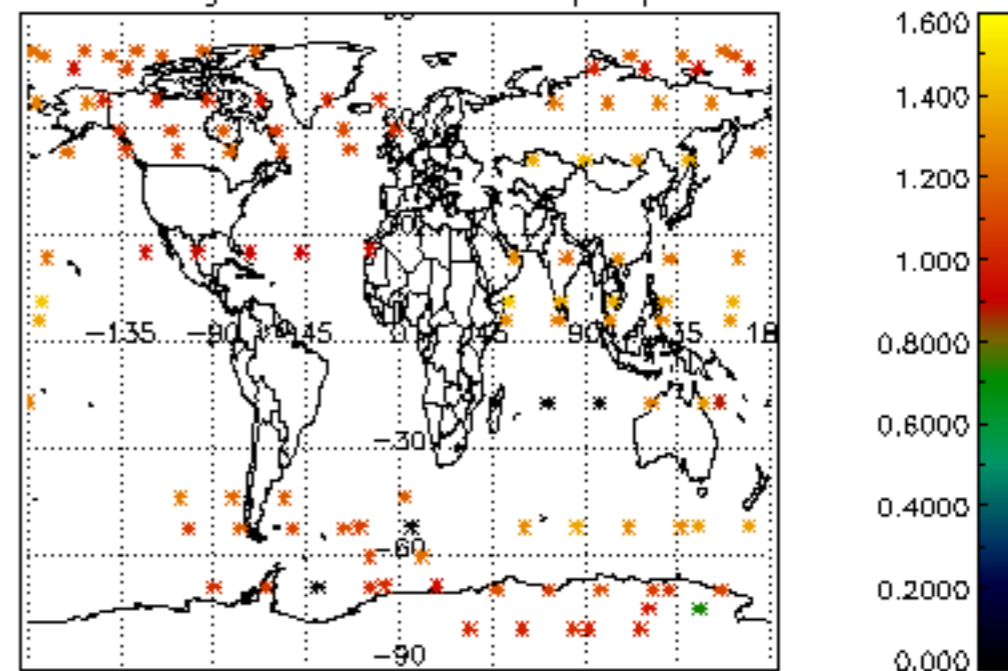




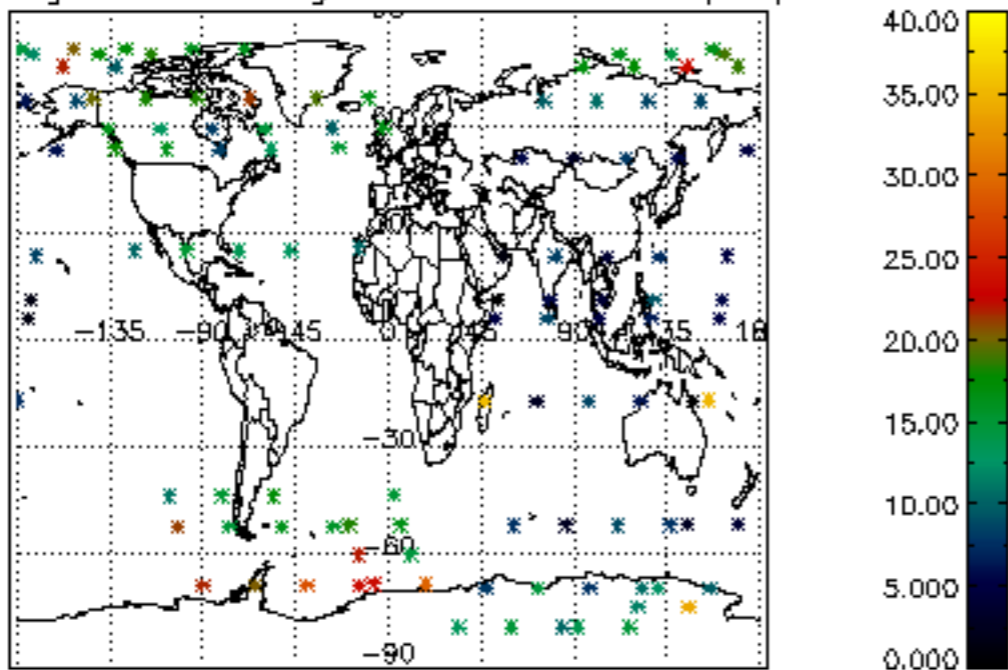
Percentage of cosmic ray hits per profile



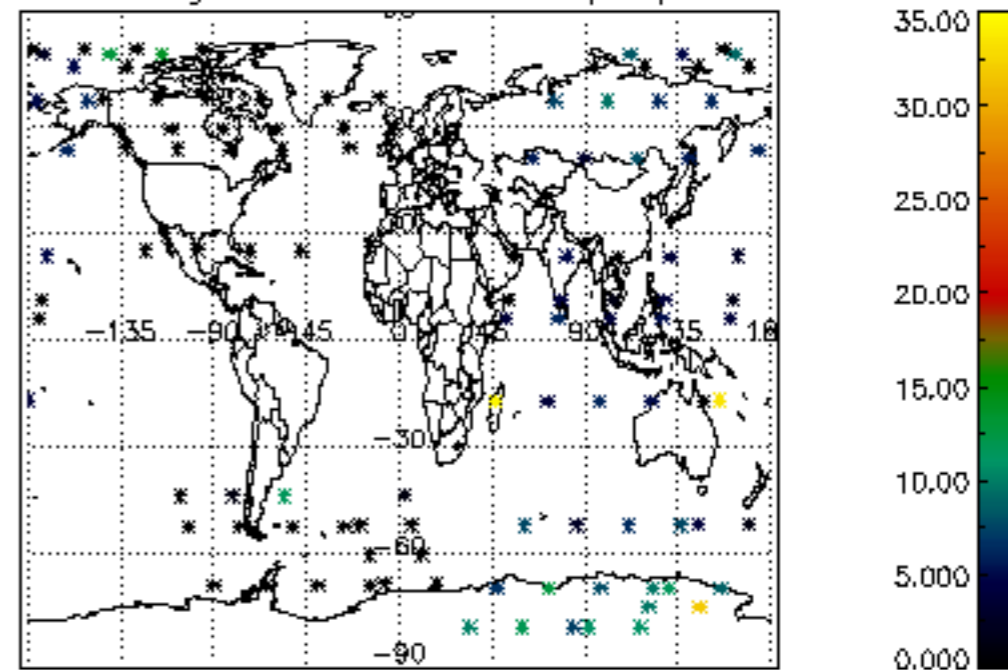
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

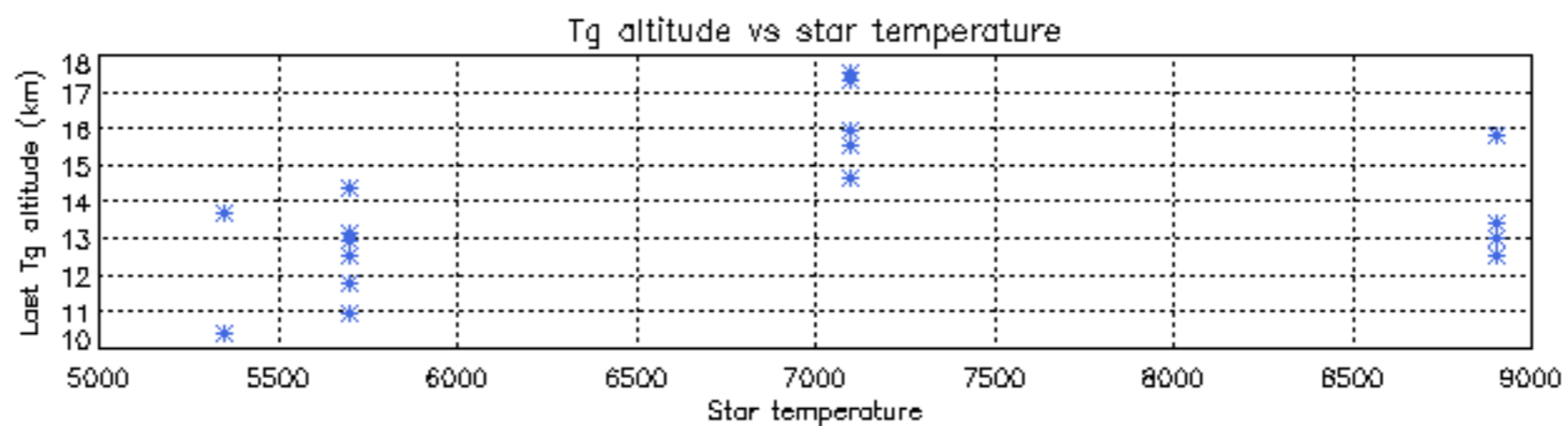
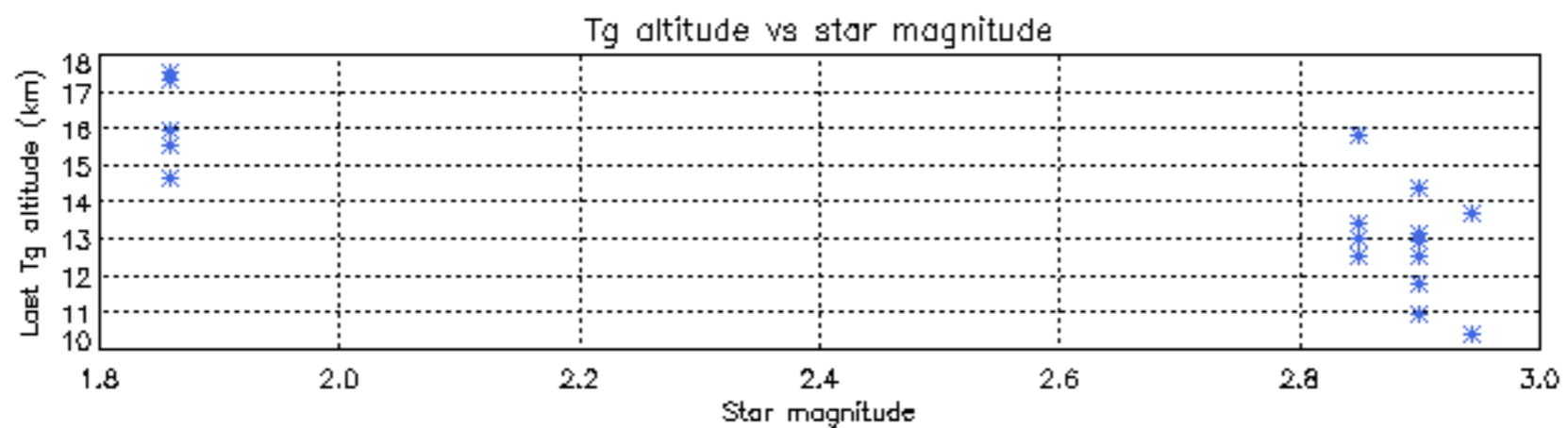
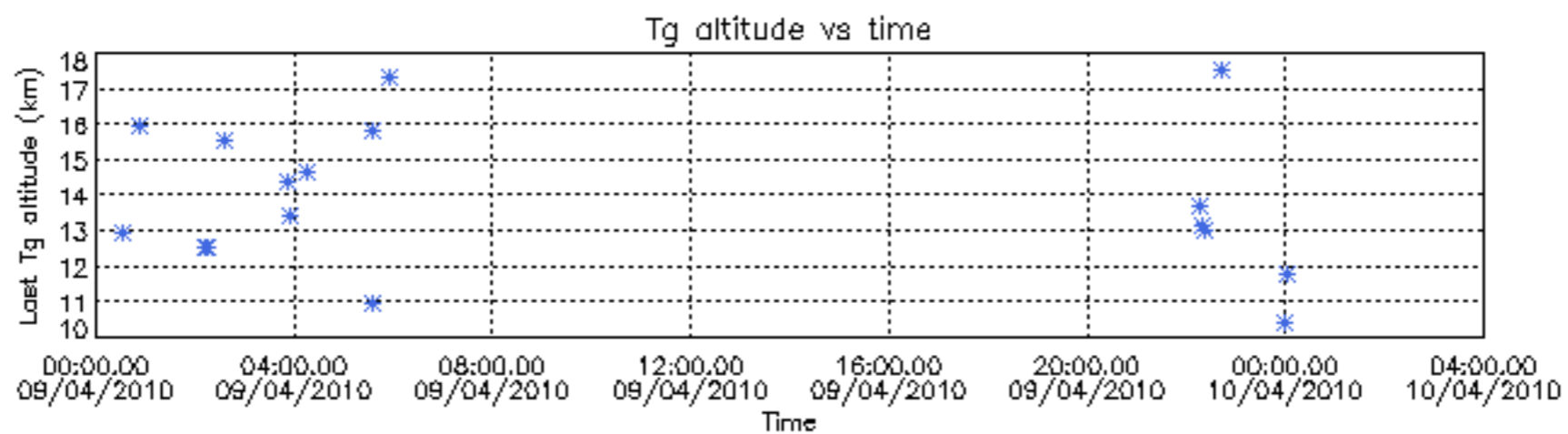


Percentage of saturation errors per profile

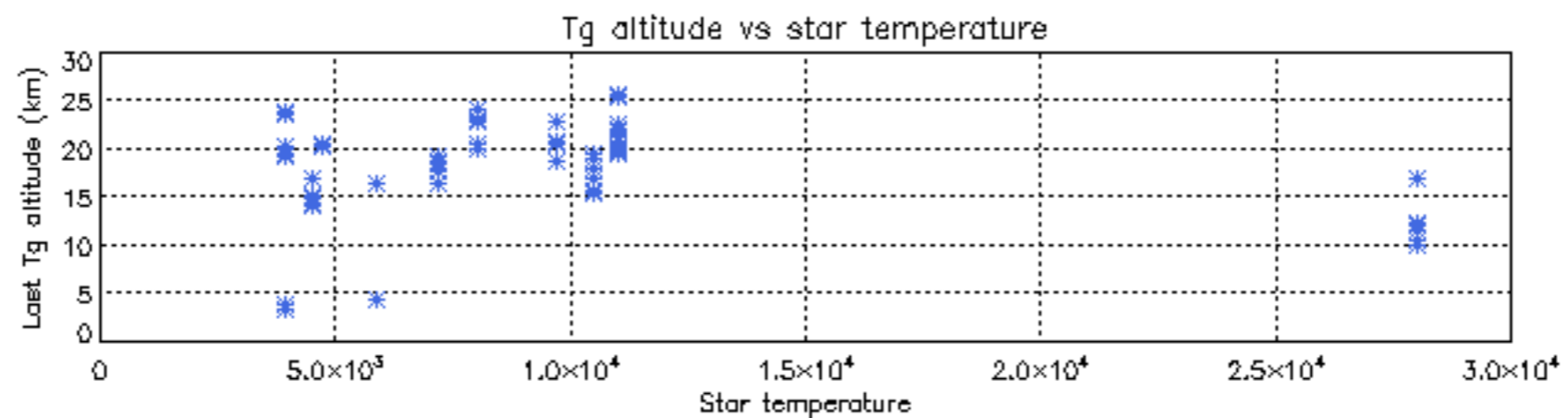
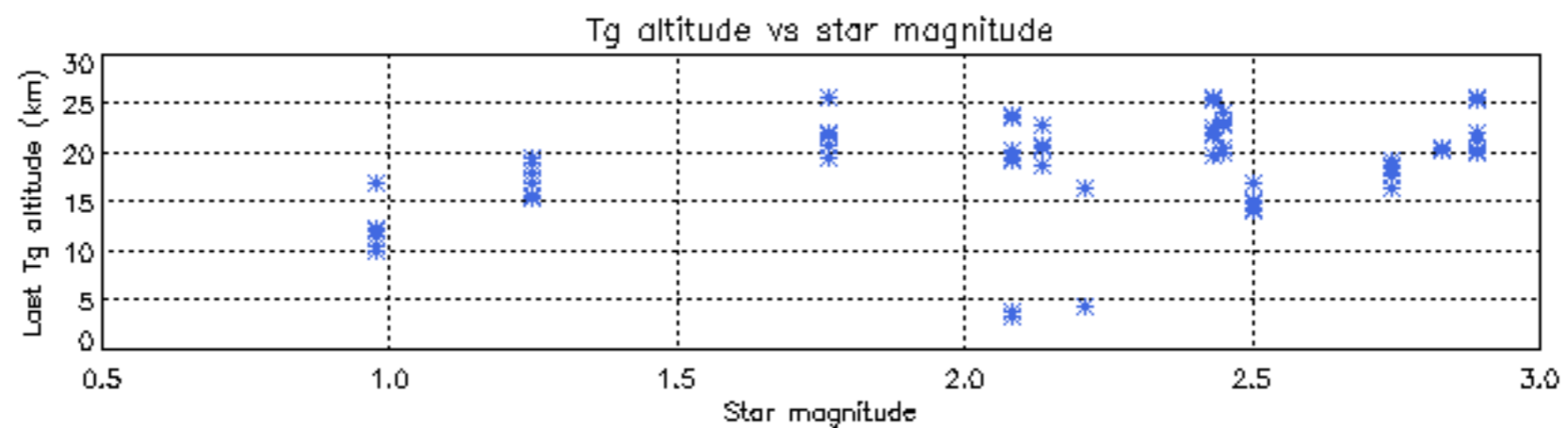
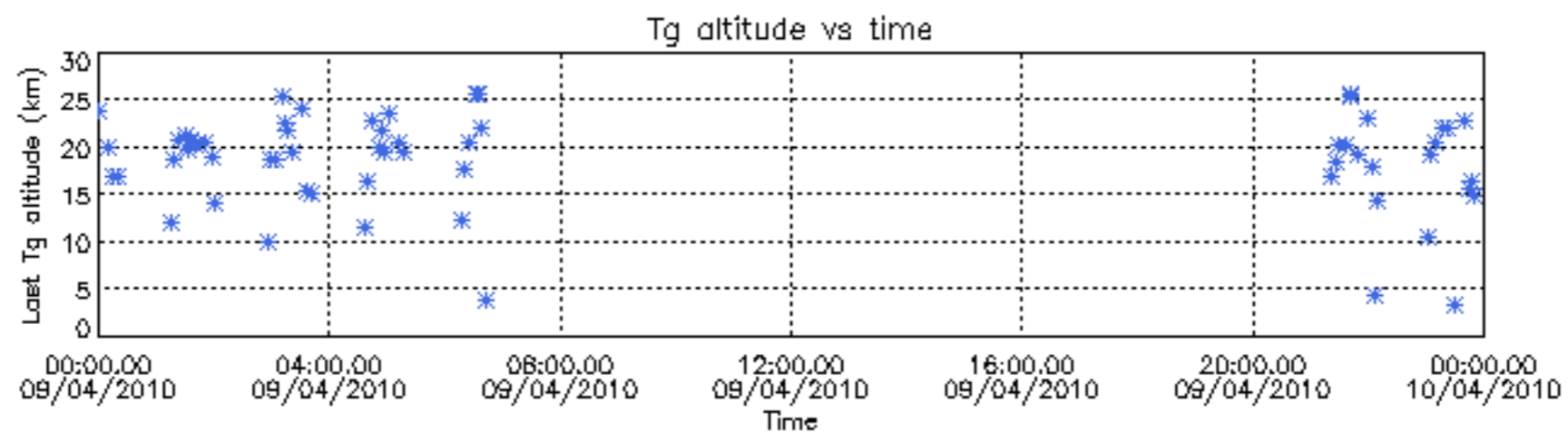


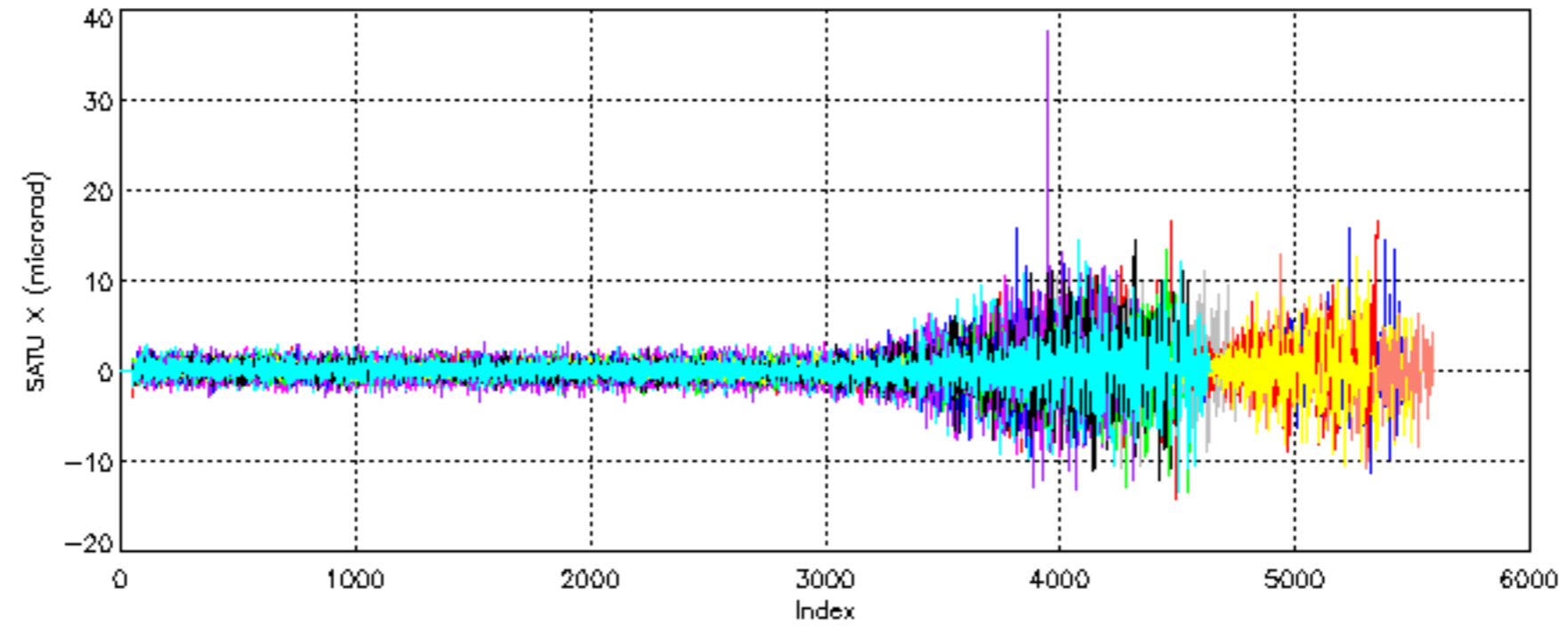


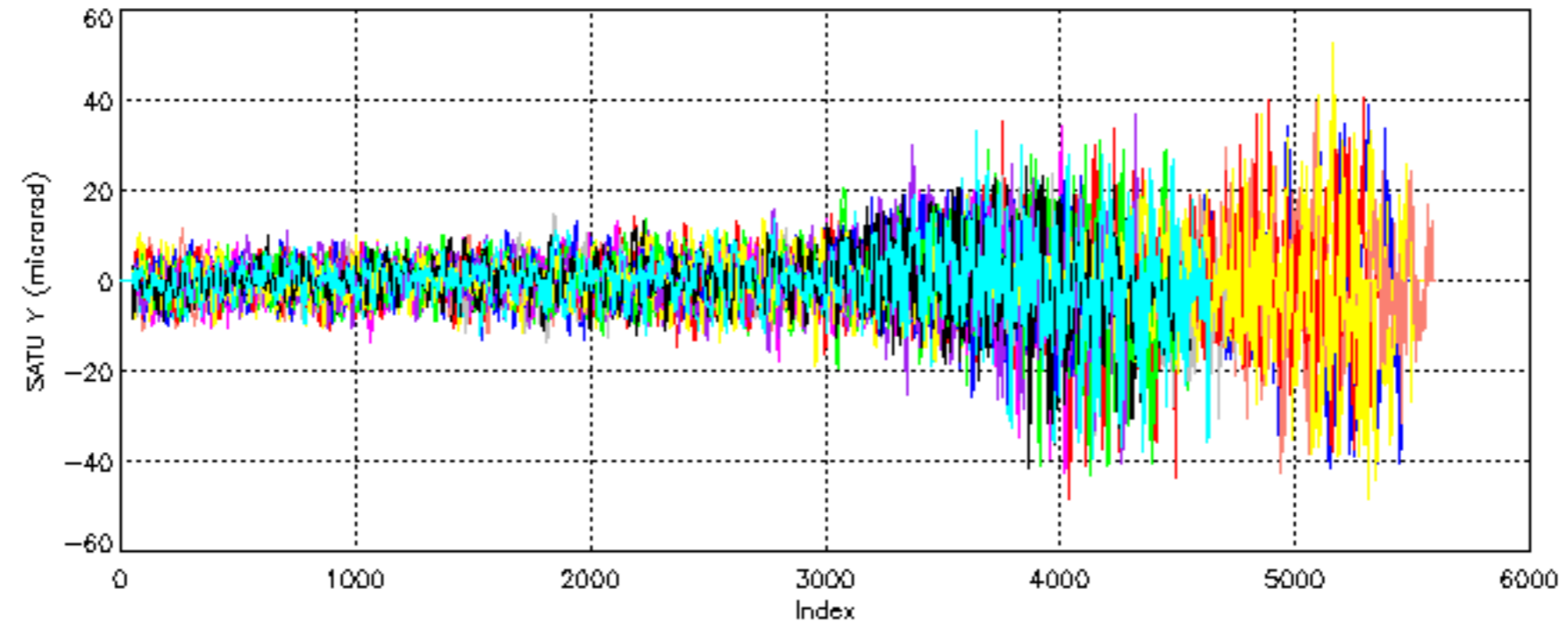
Tangent altitude at which the star is lost



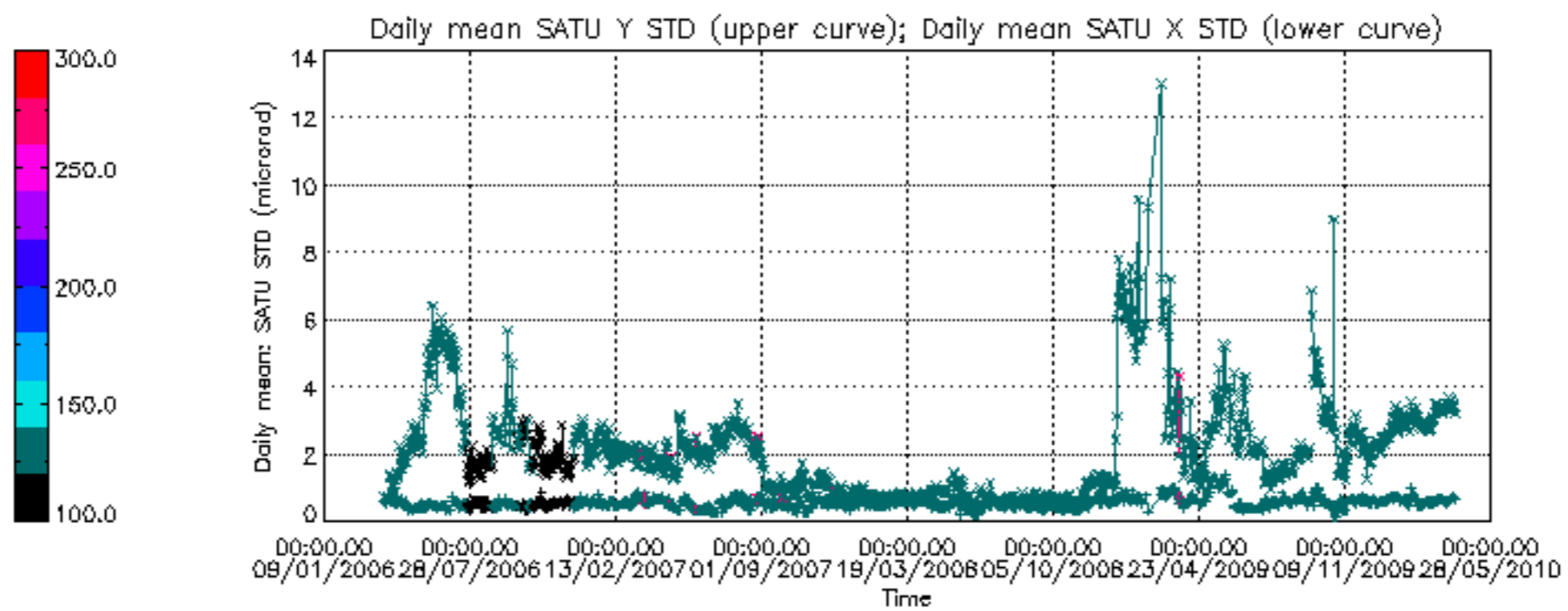
Tangent altitude at which the star is lost











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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

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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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 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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 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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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
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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
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
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
24; 5106.4; 01-APR-2010 23:10:06; Dark ; 41.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 83; 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
15; 2665.6; 02-APR-2010 00:10:01; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;42283
16; 2845.7; 02-APR-2010 00:13:01; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42283
17; 2954.5; 02-APR-2010 00:14:50; Bright; 42.5; 32; 77Eps UMa ; 1.76; 11000;occ; 85; 0;42283
18; 3334.0; 02-APR-2010 00:21:09; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;42283
19; 3901.1; 02-APR-2010 00:30:36; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;42283
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
24; 5106.5; 02-APR-2010 00:50:42; Dark ; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;42283
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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  
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 12; 936.4; 01-APR-2010 06:55:12; Dark ; 50.0; 81; Eta Cen ; 2.36; 28000;occ; 100; 0;42273  
 13; 1100.6; 01-APR-2010 06:57:57; Dark ; 53.5; 54; 5The Cen ; 2.06; 4500;occ; 107; 0;42273  
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 16; 1688.4; 01-APR-2010 07:07:44; Dark ; 28.5; 15; 67Alp Vir ; 0.98; 28000;occ; 57; 0;42273

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 14; 5891.9; 01-APR-2010 08:17:48; Dark ; 55.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 111; 0;42273  
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 4; 2666.1; 01-APR-2010 09:04:38; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 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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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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5; 2666.2; 01-APR-2010 14:06:26; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;42277
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8; 3336.1; 01-APR-2010 14:17:36; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42277
9; 3901.8; 01-APR-2010 14:27:01; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;42277
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3; 83.7; 02-APR-2010 01:07:35; Dark ; 57.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 115; 0;42284
4; 308.7; 02-APR-2010 01:11:20; Dark ; 54.0; 40; The Sco ; 1.86; 7100;occ; 108; 0;42284
5; 522.4; 02-APR-2010 01:14:53; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;42284
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9; 1106.2; 02-APR-2010 01:24:37; Dark ; 51.5; 54; 5The Cen ; 2.06; 4500;occ; 103; 0;42284
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 39; 8701.4; 02-APR-2010 03:31:12; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;42285  
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 9; 2667.7; 02-APR-2010 20:17:14; Bright; 35.0; 174; 52Psi UMA ; 3.00; 4400;occ; 70; 0;42295
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12; 2157.0; 04-APR-2010 00:38:54; Bright; 39.0; 62; 94Bet Leo ; 2.14; 9700;occ; 78; 0;42312

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 7; 3327.6; 03-APR-2010 08:12:25; Bright; 58.0; 60; 7Bet UMi ; 2.08; 3950;occ; 116; 0;42302  
 8; 3899.7; 03-APR-2010 08:21:58; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;42302  
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 12; 4835.5; 03-APR-2010 08:37:33; Dark ; 48.0; 61; 8Eps Peg ; 2.10; 3900;occ; 96; 0;42302  
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 19; 6894.3; 03-APR-2010 09:11:52; Dark ; 44.0; 78; Alp Lup ; 2.30; 28000;occ; 88; 0;42303  
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 22; 7502.3; 03-APR-2010 09:22:00; Dark ; 42.5; 106; 9Bet Crv ; 2.65; 5600;occ; 85; 0;42303  
 23; 7618.5; 03-APR-2010 09:23:56; Dark ; 44.0; 100; 4Gam Crv ; 2.58; 13100;occ; 88; 0;42303  
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 8; 3899.6; 03-APR-2010 11:43:09; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;42304
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11; 4194.2; 03-APR-2010 15:09:15; Bright; 48.5; 144; 18Del Cyg ; 2.86; 11000;occ; 97; 0;42306
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18; 2155.4; 07-APR-2010 05:46:25; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;42358
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9; 4209.2; 07-APR-2010 08:01:14; Bright; 43.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 86; 0;42359
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 4; 2155.3; 07-APR-2010 12:28:48; Bright; 36.5; 62; 94Bet Leo ; 2.14; 9700;occ; 73; 0;42362  
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16; 5412.1; 22-APR-2010 15:32:24; Dark ; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;42578
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 3; 1577.7; 22-APR-2010 17:49:41; Bright; 53.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 106; 0;42580
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 5; 1699.2; 22-APR-2010 21:12:55; Bright; 43.0; 15; 67Alp Vir ; 0.98; 28000;occ; 86; 0;42582
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 4; 107.7; 22-APR-2010 22:26:59; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42583  
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 9; 1699.4; 23-APR-2010 00:34:06; Bright; 42.0; 15; 67Alp Vir ; 0.98; 28000;occ; 84; 0;42584  
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 13; 2701.0; 23-APR-2010 02:31:24; Bright; 45.0; 180; 27Gam Boo ; 3.04; 8000;occ; 90; 0;42585

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3; 2560.4; 28-APR-2010 16:36:57; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;42665
4; 2653.6; 28-APR-2010 16:38:31; Bright; 43.5; 180; 27Gam Boo ; 3.04; 8000;occ; 87; 0;42665
5; 2779.4; 28-APR-2010 16:40:36; Bright; 39.5; 39; 85Eta UMA ; 1.85; 24000;occ; 79; 0;42665

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13; 3836.9; 29-APR-2010 01:21:14; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42670
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 5; 617.1; 29-APR-2010 02:08:10; Dark ; 54.0; 141; Bet Ara ; 2.84; 4600;occ; 108; 0;42671  
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19; 5793.2; 30-APR-2010 19:48:48; Dark ; 40.5; 172; Gam Gru ; 3.00; 13100;occ; 81; 0;42695
20; 6668.9; 30-APR-2010 20:03:24; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42696
21; 6778.6; 30-APR-2010 20:05:14; Dark ; 58.0; 40; The Sco ; 1.86; 7100;occ; 116; 0;42696
22; 6883.6; 30-APR-2010 20:06:59; Dark ; 61.0; 25; 35Lam Sco ; 1.62; 28000;occ; 122; 0;42696

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