

GOMOS Daily Report 16-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	19APR2010 04:44:46
Data source version	GOMOS/5.00L04
Start time of products	16APR2010 00:06:59
Stop time of products	16APR2010 23:43:00
Store outputs in DB	Yes
Nb of level 1b prods	111
Nb of prods with errors	0

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

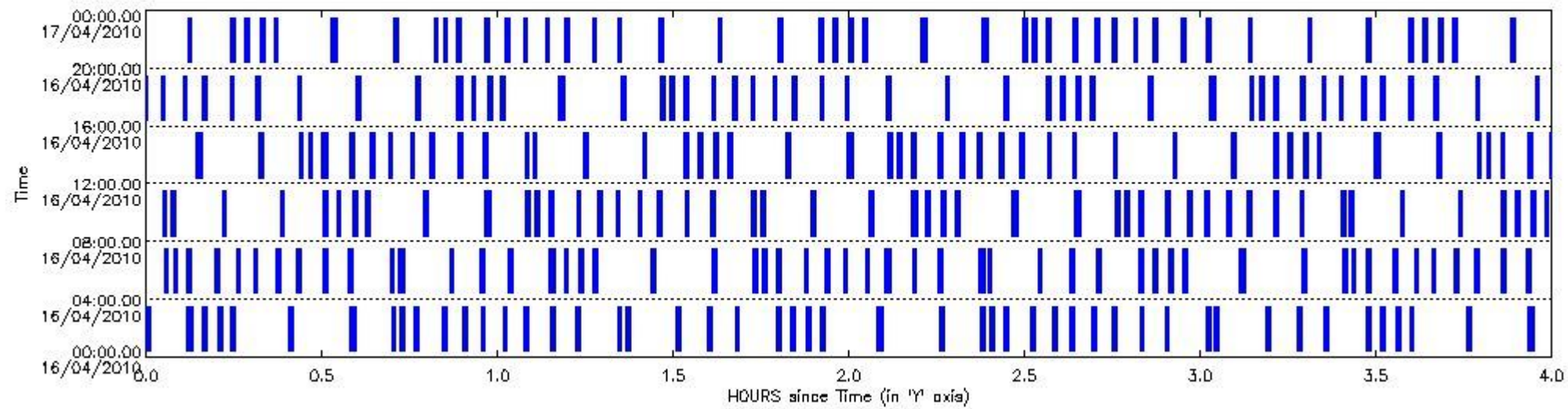
2.1 Level 0 products arrived in PCF (see template [here](#))

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.

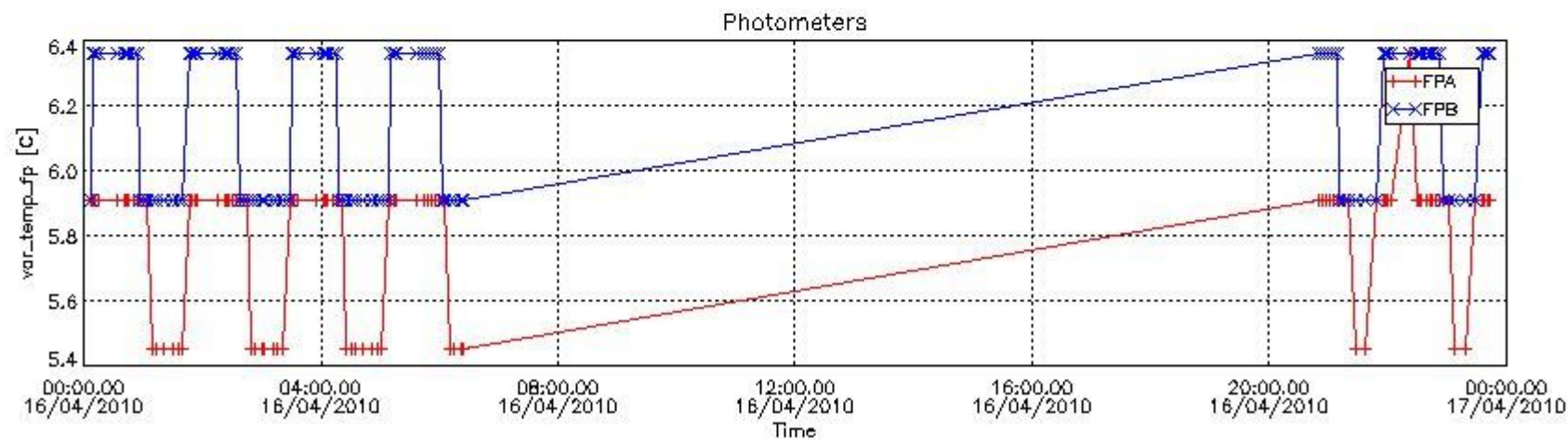
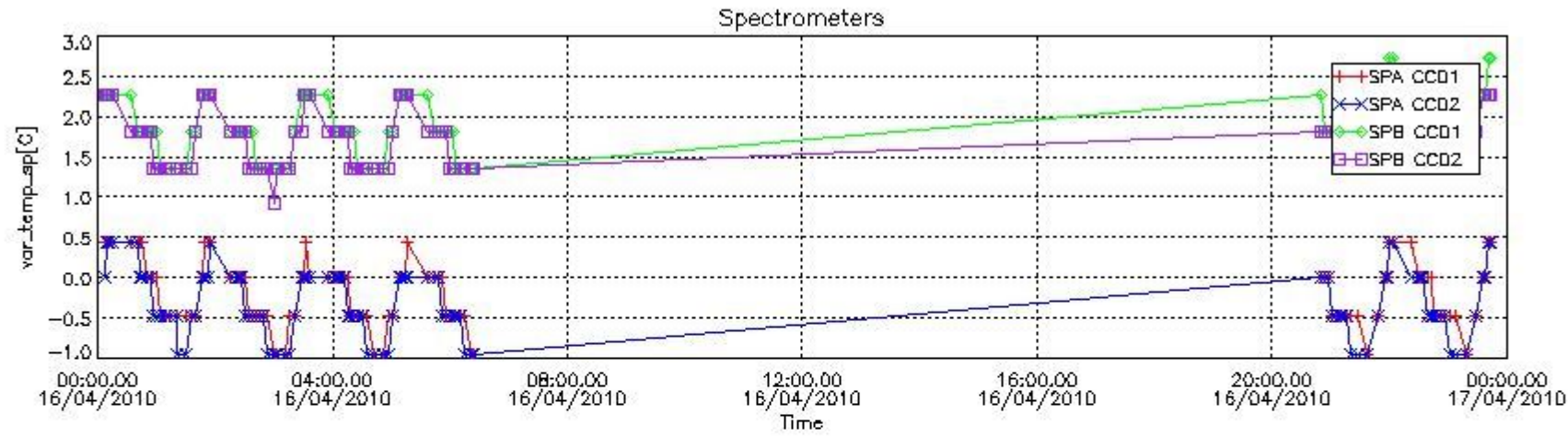
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100416_000659_000000542088_00345_42483_4324.N1	16-APR-2010 00:06:59	Dark	53.500	61	8Eps Peg	2.1000	3900.0	107	42483	No
2	GOM_TRA_1PNPDE20100416_000927_000000462088_00345_42483_4325.N1	16-APR-2010 00:09:27	Dark	45.500	162	34Alp Aqr	2.9440	5350.0	91	42483	No
3	GOM_TRA_1PNPDE20100416_001205_000000502088_00345_42483_4326.N1	16-APR-2010 00:12:05	Dark	49.500	154	22Bet Aqr	2.8990	5700.0	99	42483	No
4	GOM_TRA_1PNPDE20100416_001429_000000452088_00345_42483_4328.N1	16-APR-2010 00:14:29	Dark	45.000	142	49Del Cap	2.8500	8900.0	90	42483	No
5	GOM_TRA_1PNPDE20100416_003446_000000542088_00346_42484_4329.N1	16-APR-2010 00:34:46	Dark	54.000	40	The Sco	1.8590	7100.0	108	42484	No
6	GOM_TRA_1PNPDE20100416_004149_000000432088_00346_42484_4330.N1	16-APR-2010 00:41:49	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	42484	No
7	GOM_TRA_1PNPDE20100416_004324_000000462088_00346_42484_4331.N1	16-APR-2010 00:43:24	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	42484	No
8	GOM_TRA_1PNPDE20100416_004546_000000472088_00346_42484_4332.N1	16-APR-2010 00:45:46	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	42484	No
9	GOM_TRA_1PNPDE20100416_005029_000000452088_00346_42484_4333.N1	16-APR-2010 00:50:29	Twilight_stray	45.000	169	46Gam Hya	2.9910	4700.0	90	42484	No
10	GOM_TRA_1PNPDE20100416_005407_000000472088_00346_42484_4334.N1	16-APR-2010 00:54:07	Bright	46.500	15	67Alp Vir	0.97600	28000.	93	42484	No
11	GOM_TRA_1PNPDE20100416_005710_000000392088_00346_42484_4335.N1	16-APR-2010 00:57:10	Bright	38.500	121	29Gam Vir	2.7400	7200.0	77	42484	No
12	GOM_TRA_1PNPDE20100416_010057_000000412088_00346_42484_4336.N1	16-APR-2010 01:00:57	Bright	40.500	138	47Eps Vir	2.8280	4700.0	81	42484	No

13	GOM_TRA_1PNPDE20100416_010419_000000492088_00346_42484_4337.N1	16-APR-2010 01:04:19	Bright	49.000	111	8Eta Boo	2.6800	6000.0	98	42484	No
14	GOM_TRA_1PNPDE20100416_010904_000000402088_00346_42484_4338.N1	16-APR-2010 01:09:04	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	42484	No
15	GOM_TRA_1PNPDE20100416_011322_000000432088_00346_42484_4339.N1	16-APR-2010 01:13:22	Bright	42.500	39	85Eta UMa	1.8540	24000.	85	42484	No
16	GOM_TRA_1PNPDE20100416_012027_000000372088_00346_42484_4340.N1	16-APR-2010 01:20:27	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	42484	No
17	GOM_TRA_1PNPDE20100416_012152_000000482088_00346_42484_4341.N1	16-APR-2010 01:21:52	Bright	48.000	119	14Eta Dra	2.7270	4700.0	96	42484	No
18	GOM_TRA_1PNPDE20100416_013033_000000382088_00346_42484_4342.N1	16-APR-2010 01:30:33	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	42484	No
19	GOM_TRA_1PNPDE20100416_013549_000000472088_00346_42484_4343.N1	16-APR-2010 01:35:49	Bright	47.000	19	50Alp Cyg	1.2460	10500.	94	42484	No
20	GOM_TRA_1PNPDE20100416_014030_000000362088_00346_42484_4344.N1	16-APR-2010 01:40:30	Bright	36.000	164	44Eta Peg	2.9480	5400.0	72	42484	No
21	GOM_TRA_1PNPDE20100416_014735_000000522088_00346_42484_4345.N1	16-APR-2010 01:47:35	Dark	52.000	61	8Eps Peg	2.1000	3900.0	104	42484	No
22	GOM_TRA_1PNPDE20100416_015004_000000482088_00346_42484_4346.N1	16-APR-2010 01:50:04	Dark	47.500	162	34Alp Aqr	2.9440	5350.0	95	42484	No
23	GOM_TRA_1PNPDE20100416_015242_000000472088_00346_42484_4347.N1	16-APR-2010 01:52:42	Dark	46.500	154	22Bet Aqr	2.8990	5700.0	93	42484	No
24	GOM_TRA_1PNPDE20100416_015505_000000442088_00346_42484_4348.N1	16-APR-2010 01:55:05	Dark	44.000	142	49Del Cap	2.8500	8900.0	88	42484	No
25	GOM_TRA_1PNPDE20100416_021523_000000592088_00347_42485_4349.N1	16-APR-2010 02:15:23	Dark	59.000	40	The Sco	1.8590	7100.0	118	42485	No
26	GOM_TRA_1PNPDE20100416_022225_000000432088_00347_42485_4350.N1	16-APR-2010 02:22:25	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	42485	No
27	GOM_TRA_1PNPDE20100416_022400_000000452088_00347_42485_4351.N1	16-APR-2010 02:24:00	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	42485	No
28	GOM_TRA_1PNPDE20100416_022622_000000492088_00347_42485_4352.N1	16-APR-2010 02:26:22	Straylight	48.500	54	5The Cen	2.0550	4500.0	97	42485	No
29	GOM_TRA_1PNPDE20100416_023105_000000452088_00347_42485_4353.N1	16-APR-2010 02:31:05	Tw_i_and_stray	44.500	169	46Gam Hya	2.9910	4700.0	89	42485	No
30	GOM_TRA_1PNPDE20100416_023443_000000522088_00347_42485_4354.N1	16-APR-2010 02:34:43	Bright	51.500	15	67Alp Vir	0.97600	28000.	103	42485	No
31	GOM_TRA_1PNPDE20100416_023746_000000382088_00347_42485_4355.N1	16-APR-2010 02:37:46	Bright	38.000	121	29Gam Vir	2.7400	7200.0	76	42485	No
32	GOM_TRA_1PNPDE20100416_024132_000000412088_00347_42485_4356.N1	16-APR-2010 02:41:32	Bright	41.000	138	47Eps Vir	2.8280	4700.0	82	42485	No
33	GOM_TRA_1PNPDE20100416_024455_000000492088_00347_42485_4357.N1	16-APR-2010 02:44:55	Bright	48.500	111	8Eta Boo	2.6800	6000.0	97	42485	No
34	GOM_TRA_1PNPDE20100416_024939_000000402088_00347_42485_4358.N1	16-APR-2010 02:49:39	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	42485	No
35	GOM_TRA_1PNPDE20100416_025358_000000422088_00347_42485_4359.N1	16-APR-2010 02:53:58	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	42485	No
36	GOM_TRA_1PNPDE20100416_030102_000000412088_00347_42485_4360.N1	16-APR-2010 03:01:02	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	42485	No
37	GOM_TRA_1PNPDE20100416_030227_000000472088_00347_42485_4361.N1	16-APR-2010 03:02:27	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	42485	No
38	GOM_TRA_1PNPDE20100416_031109_000000422088_00347_42485_4375.N1	16-APR-2010 03:11:09	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	42485	No
39	GOM_TRA_1PNPDE20100416_031625_000000512088_00347_42485_4376.N1	16-APR-2010 03:16:25	Bright	50.500	19	50Alp Cyg	1.2460	10500.	101	42485	No
40	GOM_TRA_1PNPDE20100416_032106_000000512088_00347_42485_4377.N1	16-APR-2010 03:21:06	Bright	51.000	164	44Eta Peg	2.9480	5400.0	102	42485	No
41	GOM_TRA_1PNPDE20100416_032812_000000522088_00347_42485_4378.N1	16-APR-2010 03:28:12	Dark	51.500	61	8Eps Peg	2.1000	3900.0	103	42485	No
42	GOM_TRA_1PNPDE20100416_033040_000000452088_00347_42485_4379.N1	16-APR-2010 03:30:40	Dark	44.500	162	34Alp Aqr	2.9440	5350.0	89	42485	No
43	GOM_TRA_1PNPDE20100416_033319_000000482088_00347_42485_4380.N1	16-APR-2010 03:33:19	Dark	47.500	154	22Bet Aqr	2.8990	5700.0	95	42485	No
44	GOM_TRA_1PNPDE20100416_033542_000000452088_00347_42485_4381.N1	16-APR-2010 03:35:42	Dark	45.000	142	49Del Cap	2.8500	8900.0	90	42485	No
45	GOM_TRA_1PNPDE20100416_035600_000000572088_00348_42486_4382.N1	16-APR-2010 03:56:00	Dark	56.500	40	The Sco	1.8590	7100.0	113	42486	No
46	GOM_TRA_1PNPDE20100416_040302_000000442088_00348_42486_4383.N1	16-APR-2010 04:03:02	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	42486	No
47	GOM_TRA_1PNPDE20100416_040437_000000432088_00348_42486_4384.N1	16-APR-2010 04:04:37	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	42486	No
48	GOM_TRA_1PNPDE20100416_040659_000000452088_00348_42486_4385.N1	16-APR-2010 04:06:59	Straylight	44.500	54	5The Cen	2.0550	4500.0	89	42486	No
49	GOM_TRA_1PNPDE20100416_041141_000000442088_00348_42486_4386.N1	16-APR-2010 04:11:41	Tw_i_and_stray	43.500	169	46Gam Hya	2.9910	4700.0	87	42486	No
50	GOM_TRA_1PNPDE20100416_041519_000000462088_00348_42486_4387.N1	16-APR-2010 04:15:19	Bright	45.500	15	67Alp Vir	0.97600	28000.	91	42486	No
51	GOM_TRA_1PNPDE20100416_041822_000000392088_00348_42486_4388.N1	16-APR-2010 04:18:22	Bright	38.500	121	29Gam Vir	2.7400	7200.0	77	42486	No
52	GOM_TRA_1PNPDE20100416_042208_000000402088_00348_42486_4389.N1	16-APR-2010 04:22:08	Bright	40.000	138	47Eps Vir	2.8280	4700.0	80	42486	No
53	GOM_TRA_1PNPDE20100416_042531_000000482088_00348_42486_4390.N1	16-APR-2010 04:25:31	Bright	48.000	111	8Eta Boo	2.6800	6000.0	96	42486	No
54	GOM_TRA_1PNPDE20100416_043015_000000392088_00348_42486_4391.N1	16-APR-2010 04:30:15	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	42486	No
55	GOM_TRA_1PNPDE20100416_043433_000000422088_00348_42486_4392.N1	16-APR-2010 04:34:33	Bright	42.000	39	85Eta UMa	1.8540	24000.	84	42486	No
56	GOM_TRA_1PNPDE20100416_044138_000000402088_00348_42486_4393.N1	16-APR-2010 04:41:38	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	42486	No
57	GOM_TRA_1PNPDE20100416_044302_000000692088_00348_42486_4394.N1	16-APR-2010 04:43:02	Bright	68.500	119	14Eta Dra	2.7270	4700.0	137	42486	No
58	GOM_TRA_1PNPDE20100416_045145_000000422088_00348_42486_4402.N1	16-APR-2010 04:51:45	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	42486	No
59	GOM_TRA_1PNPDE20100416_045701_000000512088_00348_42486_4403.N1	16-APR-2010 04:57:01	Bright	51.000	19	50Alp Cyg	1.2460	10500.	102	42486	No
60	GOM_TRA_1PNPDE20100416_050142_000000542088_00348_42486_4404.N1	16-APR-2010 05:01:42	Bright	54.000	164	44Eta Peg	2.9480	5400.0	108	42486	No
61	GOM_TRA_1PNPDE20100416_050848_000000542088_00348_42486_4405.N1	16-APR-2010 05:08:48	Dark	54.000	61	8Eps Peg	2.1000	3900.0	108	42486	No
62	GOM_TRA_1PNPDE20100416_051117_000000472088_00348_42486_4406.N1	16-APR-2010 05:11:17	Dark	46.500	162	34Alp Aqr	2.9440	5350.0	93	42486	No
63	GOM_TRA_1PNPDE20100416_051355_000000492088_00348_42486_4407.N1	16-APR-2010 05:13:55	Dark	48.500	154	22Bet Aqr	2.8990	5700.0	97	42486	No
64	GOM_TRA_1PNPDE20100416_051618_000000422088_00348_42486_4408.N1	16-APR-2010 05:16:18	Dark	42.000	142	49Del Cap	2.8500	8900.0	84	42486	No
65	GOM_TRA_1PNPDE20100416_053638_000000512088_00349_42487_4409.N1	16-APR-2010 05:36:38	Dark	51.000	40	The Sco	1.8590	7100.0	102	42487	No
66	GOM_TRA_1PNPDE20100416_054338_000000412088_00349_42487_4410.N1	16-APR-2010 05:43:38	Straylight	41.000	78	Alp Lup	2.3040	28000.	82	42487	No
67	GOM_TRA_1PNPDE20100416_054513_000000422088_00349_42487_4411.N1	16-APR-2010 05:45:13	Straylight	41.500	81	Eta Cen	2.3560	28000.	83	42487	No
68	GOM_TRA_1PNPDE20100416_054735_000000492088_00349_42487_4412.N1	16-APR-2010 05:47:35	Straylight	48.500	54	5The Cen	2.0550	4500.0	97	42487	No
69	GOM_TRA_1PNPDE20100416_055217_000000432088_00349_42487_4413.N1	16-APR-2010 05:52:17	Tw_i_and_stray	42.500	169	46Gam Hya	2.9910	4700.0	85	42487	No
70	GOM_TRA_1PNPDE20100416_055555_000000462088_00349_42487_4414.N1	16-APR-2010 05:55:55	Bright	45.500	15	67Alp Vir	0.97600	28000.	91	42487	No
71	GOM_TRA_1PNPDE20100416_055858_000000402088_00349_42487_4415.N1	16-APR-2010 05:58:58	Bright	39.500	121	29Gam Vir	2.7400	7200.0	79	42487	No

72	GOM_TRA_1PNPDE20100416_060244_000000412088_00349_42487_4416.N1	16-APR-2010 06:02:44	Bright	40.500	138	47Eps Vir	2.8280	4700.0	81	42487	No
73	GOM_TRA_1PNPDE20100416_060606_000000642088_00349_42487_4417.N1	16-APR-2010 06:06:06	Bright	64.000	111	8Eta Boo	2.6800	6000.0	128	42487	No
74	GOM_TRA_1PNPDE20100416_061051_000000392088_00349_42487_4418.N1	16-APR-2010 06:10:51	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	42487	No
75	GOM_TRA_1PNPDE20100416_061509_000000422088_00349_42487_4419.N1	16-APR-2010 06:15:09	Bright	42.000	39	85Eta UMa	1.8540	24000.	84	42487	No
76	GOM_TRA_1PNPDE20100416_062214_000000562088_00349_42487_4420.N1	16-APR-2010 06:22:14	Bright	56.000	60	7Bet UMi	2.0810	3950.0	112	42487	No
77	GOM_TRA_1PNPDE20100416_062338_000000462088_00349_42487_4421.N1	16-APR-2010 06:23:38	Bright	46.000	119	14Eta Dra	2.7270	4700.0	92	42487	No
78	GOM_TRA_1PNPDE20100416_205040_000000462088_00358_42496_4527.N1	16-APR-2010 20:50:40	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	42496	No
79	GOM_TRA_1PNPDE20100416_205302_000000482088_00358_42496_4528.N1	16-APR-2010 20:53:02	Straylight	47.500	54	5The Cen	2.0550	4500.0	95	42496	No
80	GOM_TRA_1PNPDE20100416_205742_000000442088_00358_42496_4529.N1	16-APR-2010 20:57:42	Twilight_stray	43.500	169	46Gam Hya	2.9910	4700.0	87	42496	No
81	GOM_TRA_1PNPDE20100416_210119_000000462088_00358_42496_4530.N1	16-APR-2010 21:01:19	Bright	46.000	15	67Alp Vir	0.97600	28000.	92	42496	No
82	GOM_TRA_1PNPDE20100416_210422_000000392088_00358_42496_4531.N1	16-APR-2010 21:04:22	Bright	38.500	121	29Gam Vir	2.7400	7200.0	77	42496	No
83	GOM_TRA_1PNPDE20100416_210806_000000402088_00358_42496_4532.N1	16-APR-2010 21:08:06	Bright	39.500	138	47Eps Vir	2.8280	4700.0	79	42496	No
84	GOM_TRA_1PNPDE20100416_211124_000000512088_00358_42496_4533.N1	16-APR-2010 21:11:24	Bright	50.500	111	8Eta Boo	2.6800	6000.0	101	42496	No
85	GOM_TRA_1PNPDE20100416_211611_000000392088_00358_42496_4534.N1	16-APR-2010 21:16:11	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	42496	No
86	GOM_TRA_1PNPDE20100416_212028_000000422088_00358_42496_4535.N1	16-APR-2010 21:20:28	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	42496	No
87	GOM_TRA_1PNPDE20100416_212735_000000402088_00358_42496_4536.N1	16-APR-2010 21:27:35	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42496	No
88	GOM_TRA_1PNPDE20100416_213742_000000382088_00358_42496_4537.N1	16-APR-2010 21:37:42	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	42496	No
89	GOM_TRA_1PNPDE20100416_214743_000000542088_00358_42496_4538.N1	16-APR-2010 21:47:43	Bright	54.000	164	44Eta Peg	2.9480	5400.0	108	42496	No
90	GOM_TRA_1PNPDE20100416_215452_000000522088_00358_42496_4539.N1	16-APR-2010 21:54:52	Dark	51.500	61	8Eps Peg	2.1000	3900.0	103	42496	No
91	GOM_TRA_1PNPDE20100416_215720_000000442088_00358_42496_4540.N1	16-APR-2010 21:57:20	Dark	44.000	162	34Alp Aqr	2.9440	5350.0	88	42496	No
92	GOM_TRA_1PNPDE20100416_220001_000000492088_00358_42496_4541.N1	16-APR-2010 22:00:01	Dark	49.000	154	22Bet Aqr	2.8990	5700.0	98	42496	No
93	GOM_TRA_1PNPDE20100416_220223_000000442088_00358_42496_4546.N1	16-APR-2010 22:02:23	Dark	43.500	142	49Del Cap	2.8500	8900.0	87	42496	No
94	GOM_TRA_1PNPDE20100416_222247_000000542088_00359_42497_4547.N1	16-APR-2010 22:22:47	Dark	54.000	40	The Sco	1.8590	7100.0	108	42497	No
95	GOM_TRA_1PNPDE20100416_222941_000000412088_00359_42497_4548.N1	16-APR-2010 22:29:41	Straylight	40.500	78	Alp Lup	2.3040	28000.	81	42497	No
96	GOM_TRA_1PNPDE20100416_223117_000000432088_00359_42497_4549.N1	16-APR-2010 22:31:17	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	42497	No
97	GOM_TRA_1PNPDE20100416_223338_000000472088_00359_42497_4550.N1	16-APR-2010 22:33:38	Straylight	46.500	54	5The Cen	2.0550	4500.0	93	42497	No
98	GOM_TRA_1PNPDE20100416_223818_000000442088_00359_42497_4551.N1	16-APR-2010 22:38:18	Twilight_stray	44.000	169	46Gam Hya	2.9910	4700.0	88	42497	No
99	GOM_TRA_1PNPDE20100416_224155_000000462088_00359_42497_4552.N1	16-APR-2010 22:41:55	Bright	46.000	15	67Alp Vir	0.97600	28000.	92	42497	No
100	GOM_TRA_1PNPDE20100416_224457_000000392088_00359_42497_4553.N1	16-APR-2010 22:44:57	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	42497	No
101	GOM_TRA_1PNPDE20100416_224842_000000382088_00359_42497_4554.N1	16-APR-2010 22:48:42	Bright	37.500	138	47Eps Vir	2.8280	4700.0	75	42497	No
102	GOM_TRA_1PNPDE20100416_225200_000000482088_00359_42497_4555.N1	16-APR-2010 22:52:00	Bright	48.000	111	8Eta Boo	2.6800	6000.0	96	42497	No
103	GOM_TRA_1PNPDE20100416_225647_000000392088_00359_42497_4556.N1	16-APR-2010 22:56:47	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	42497	No
104	GOM_TRA_1PNPDE20100416_230103_000000432088_00359_42497_4557.N1	16-APR-2010 23:01:03	Bright	42.500	39	85Eta UMa	1.8540	24000.	85	42497	No
105	GOM_TRA_1PNPDE20100416_230810_000000402088_00359_42497_4558.N1	16-APR-2010 23:08:10	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42497	No
106	GOM_TRA_1PNPDE20100416_231818_000000422088_00359_42497_4559.N1	16-APR-2010 23:18:18	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	42497	No
107	GOM_TRA_1PNPDE20100416_232819_000000542088_00359_42497_4560.N1	16-APR-2010 23:28:19	Bright	54.000	164	44Eta Peg	2.9480	5400.0	108	42497	No
108	GOM_TRA_1PNPDE20100416_233528_000000502088_00359_42497_4561.N1	16-APR-2010 23:35:28	Dark	50.000	61	8Eps Peg	2.1000	3900.0	100	42497	No
109	GOM_TRA_1PNPDE20100416_233756_000000462088_00359_42497_4562.N1	16-APR-2010 23:37:56	Dark	46.000	162	34Alp Aqr	2.9440	5350.0	92	42497	No
110	GOM_TRA_1PNPDE20100416_234038_000000512088_00359_42497_4563.N1	16-APR-2010 23:40:38	Dark	50.500	154	22Bet Aqr	2.8990	5700.0	101	42497	No
111	GOM_TRA_1PNPDE20100416_234300_000000442088_00359_42497_4567.N1	16-APR-2010 23:43:00	Dark	43.500	142	49Del Cap	2.8500	8900.0	87	42497	No

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



4. Overview of dark signal processing per product

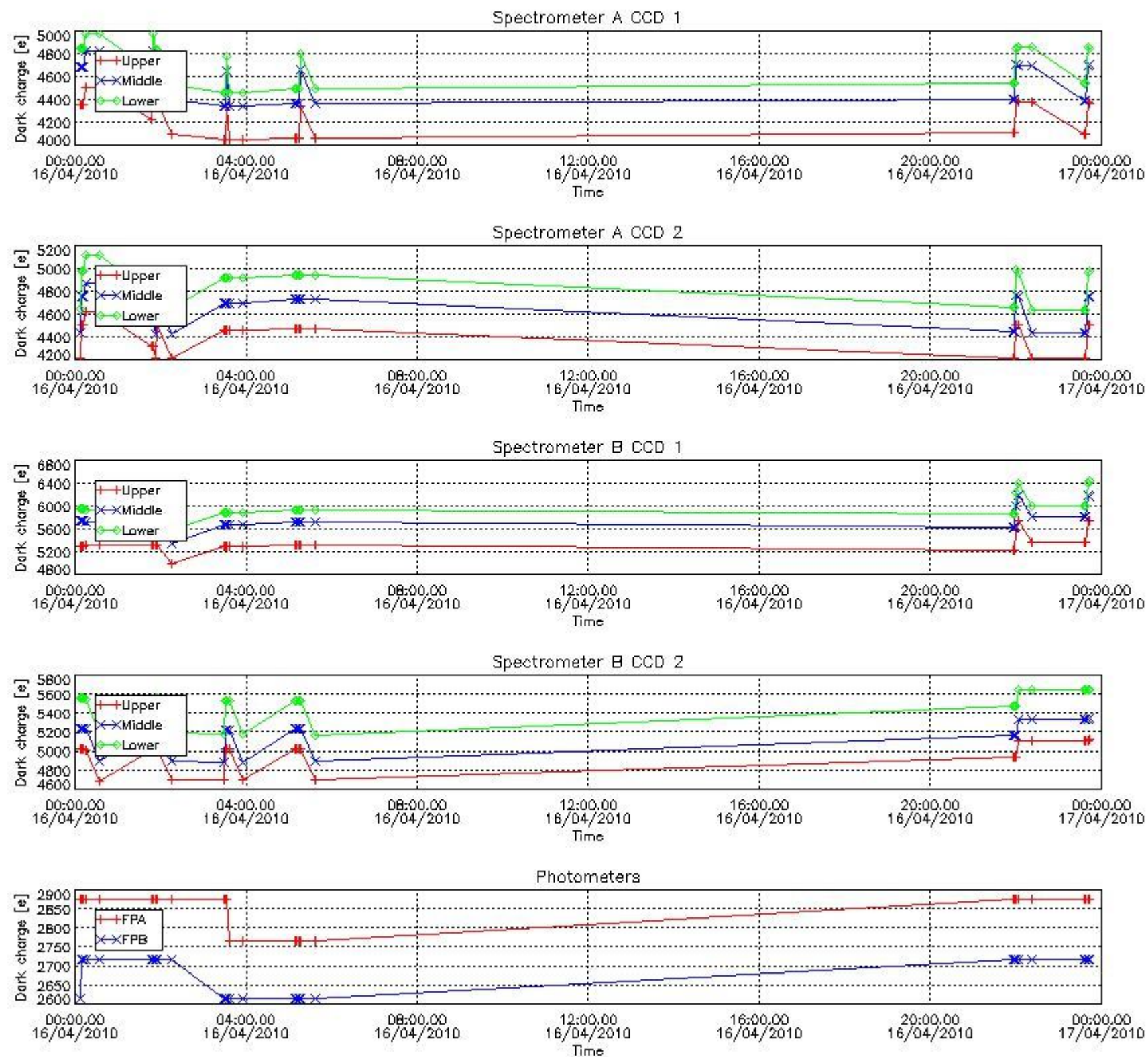
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100416_205040_000000462088_00358_42496_4527.N1	DC map used
GOM_TRA_1PNPDE20100416_205302_000000482088_00358_42496_4528.N1	DC map used
GOM_TRA_1PNPDE20100416_205742_000000442088_00358_42496_4529.N1	DC map used
GOM_TRA_1PNPDE20100416_210119_000000462088_00358_42496_4530.N1	DC map used
GOM_TRA_1PNPDE20100416_210422_000000392088_00358_42496_4531.N1	DC map used
GOM_TRA_1PNPDE20100416_210806_000000402088_00358_42496_4532.N1	DC map used
GOM_TRA_1PNPDE20100416_211124_000000512088_00358_42496_4533.N1	DC map used
GOM_TRA_1PNPDE20100416_211611_000000392088_00358_42496_4534.N1	DC map used
GOM_TRA_1PNPDE20100416_212028_000000422088_00358_42496_4535.N1	DC map used
GOM_TRA_1PNPDE20100416_212735_000000402088_00358_42496_4536.N1	DC map used
GOM_TRA_1PNPDE20100416_213742_000000382088_00358_42496_4537.N1	DC map used
GOM_TRA_1PNPDE20100416_214743_000000542088_00358_42496_4538.N1	DC map used
GOM_TRA_1PNPDE20100416_215452_000000522088_00358_42496_4539.N1	DC map used
GOM_TRA_1PNPDE20100416_215720_000000442088_00358_42496_4540.N1	DC map used

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



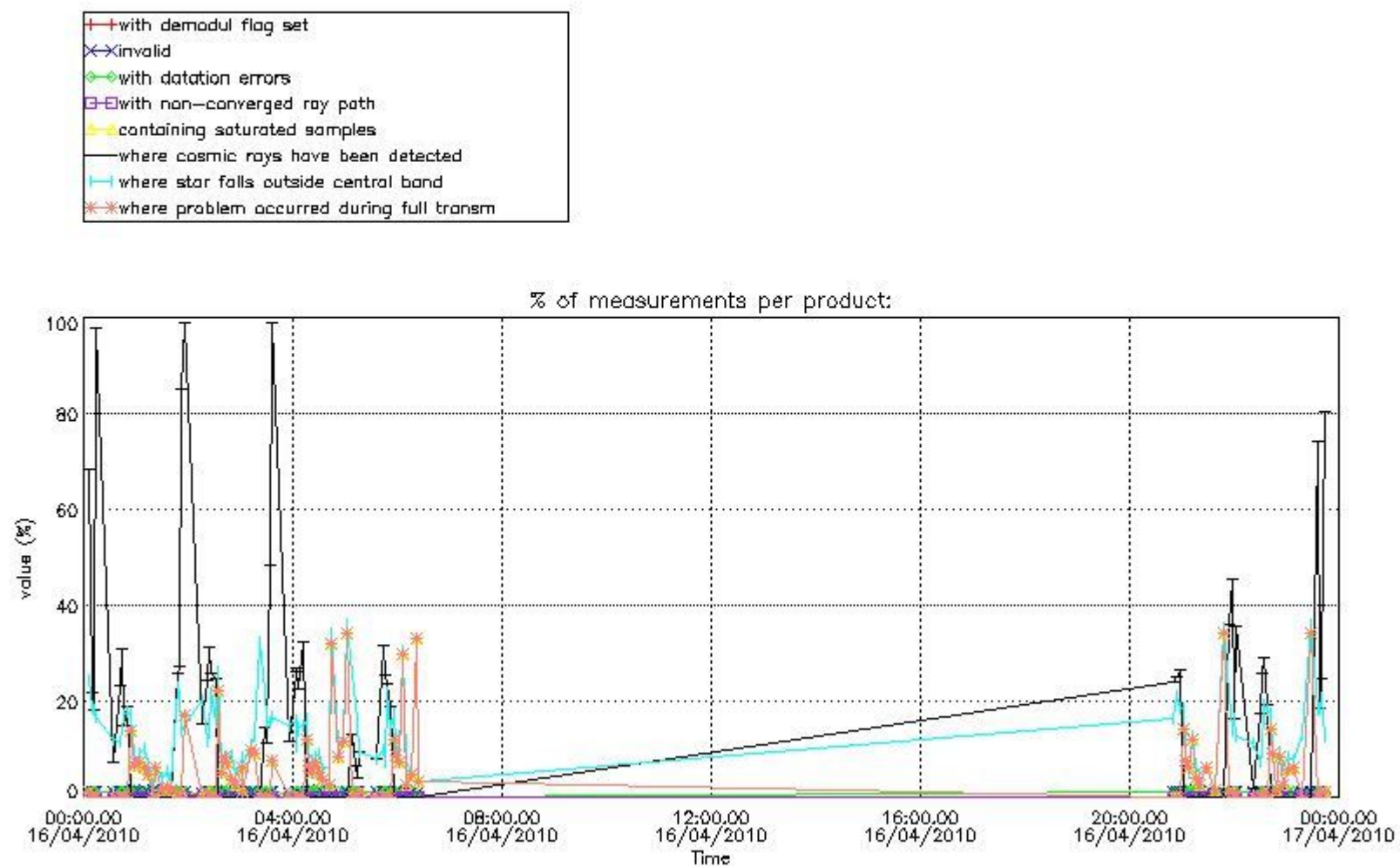
5. Demodulation flag and quality information monitoring

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.

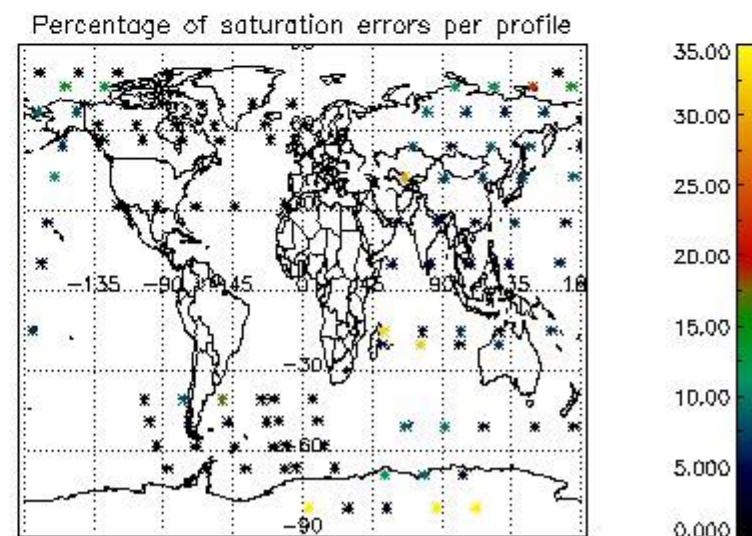
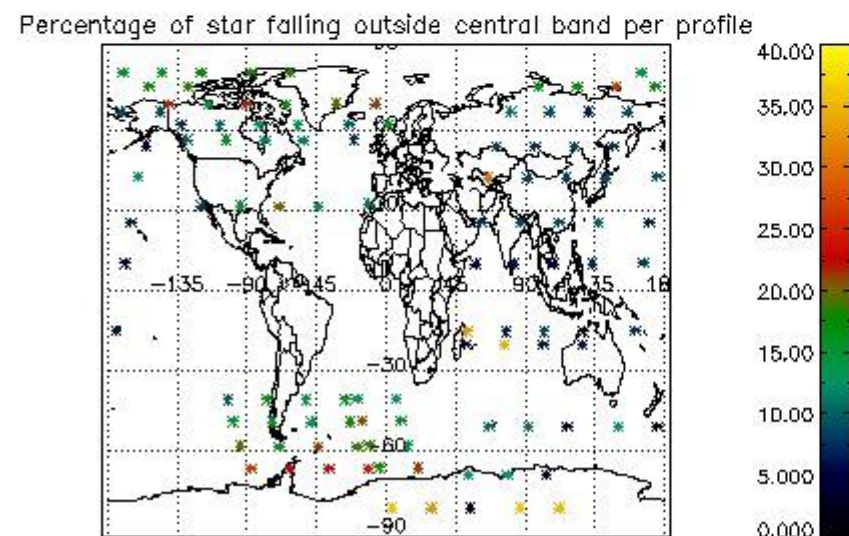
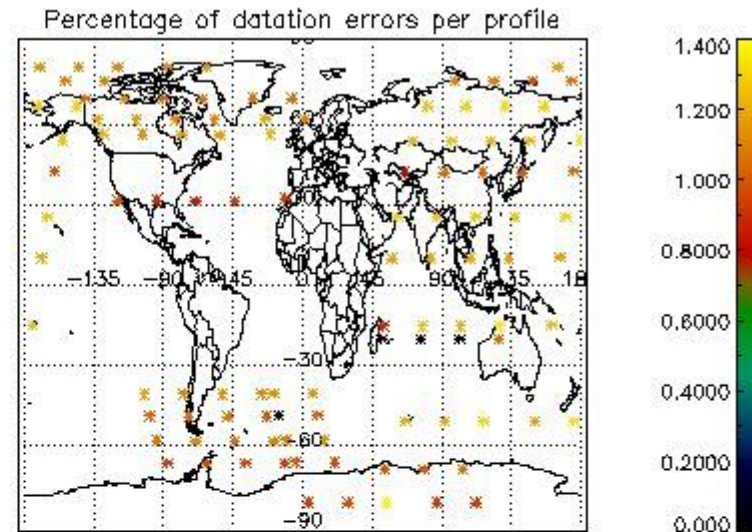
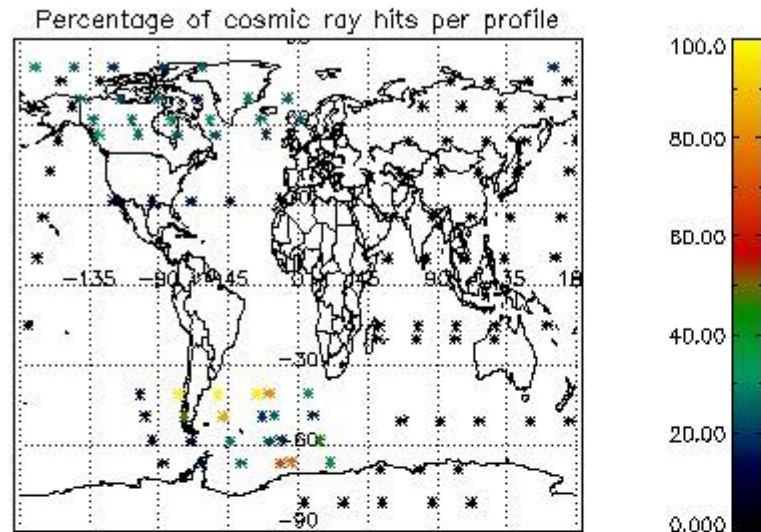
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	36.9369 %
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)



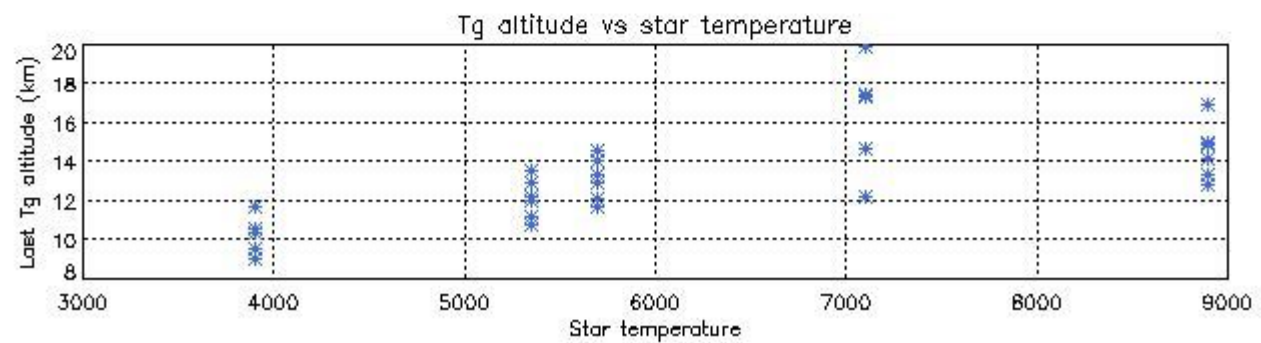
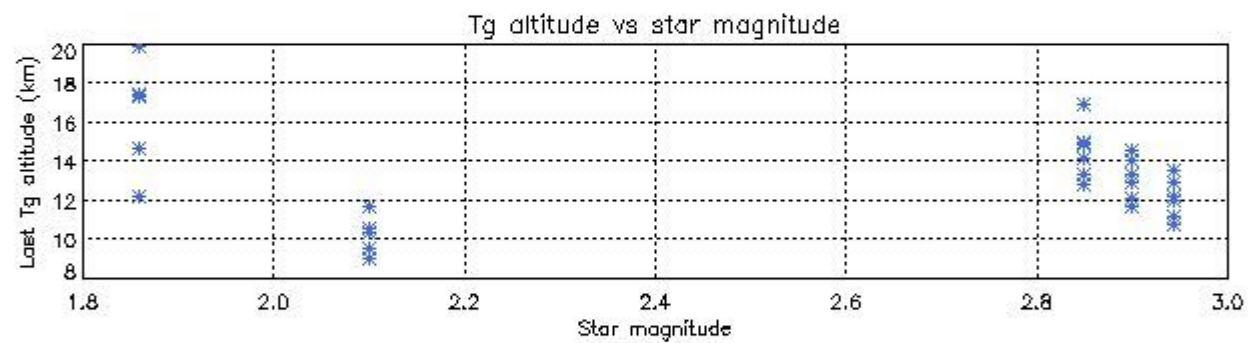
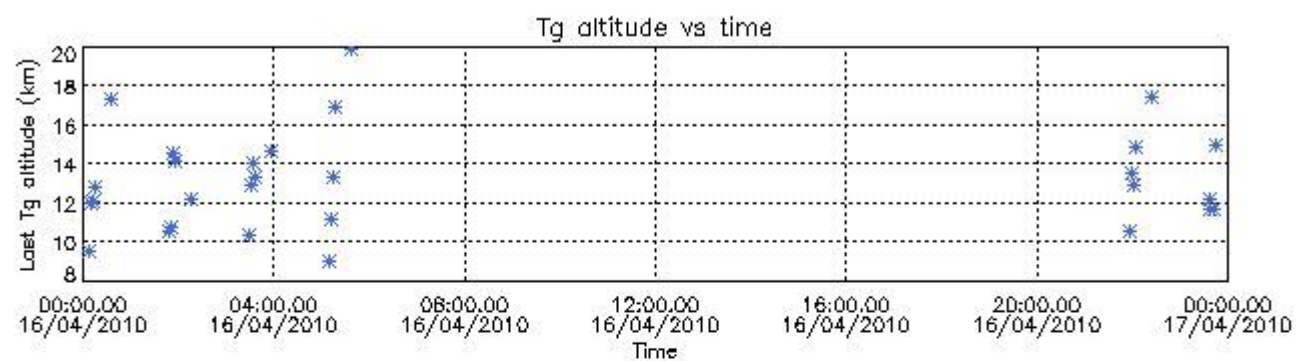
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.149	17.306	NaN
St. deviation:	2.5113	5.6688	NaN
Maximum:	19.888	25.693	NaN
Minimum:	9.0497	3.4813	NaN
Number of data:	29.000	59.000	NaN

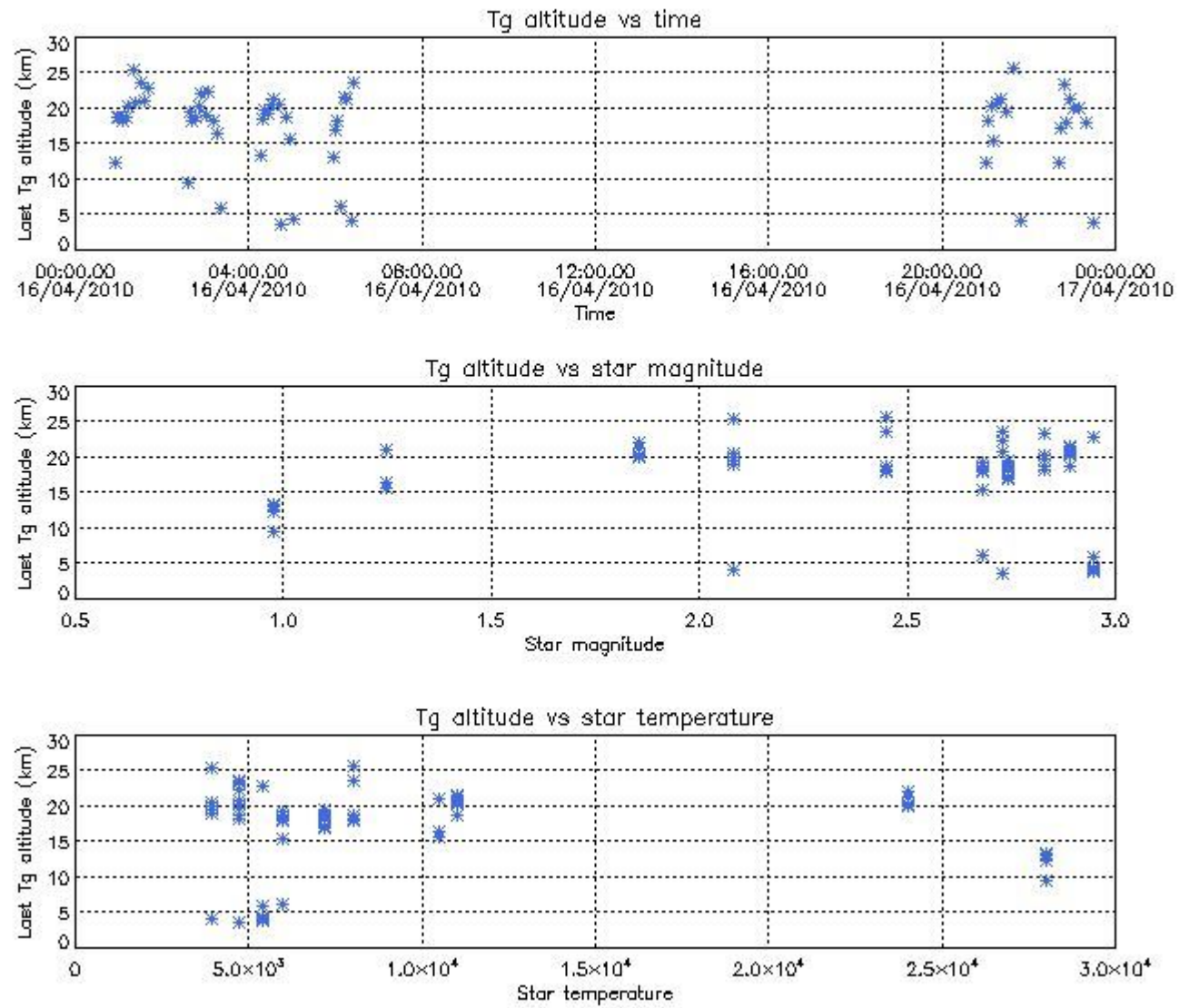
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

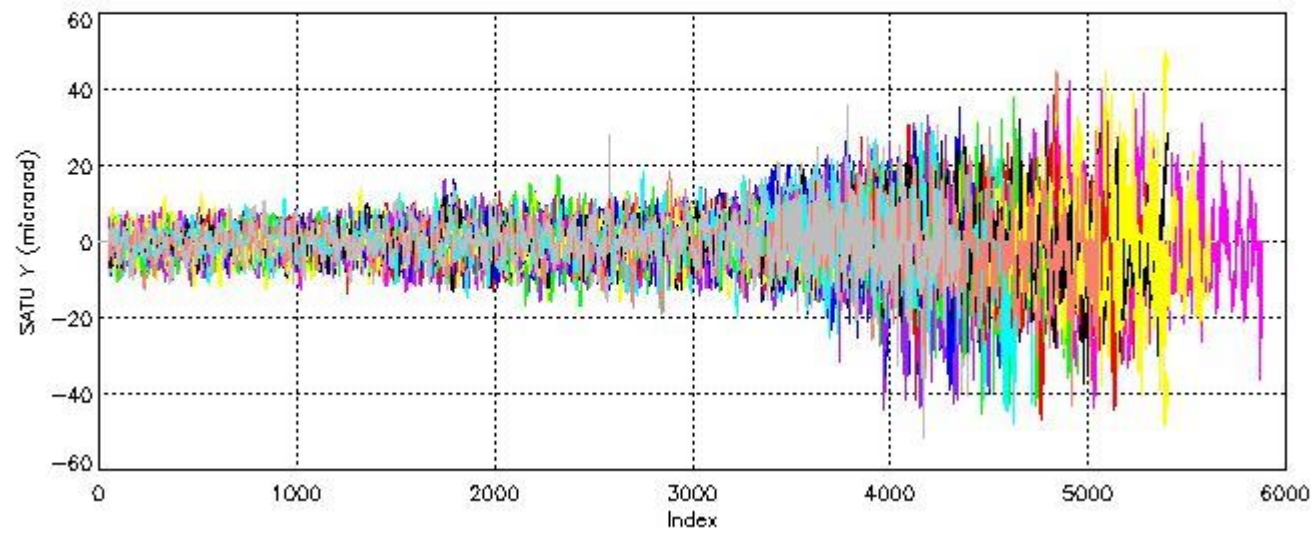
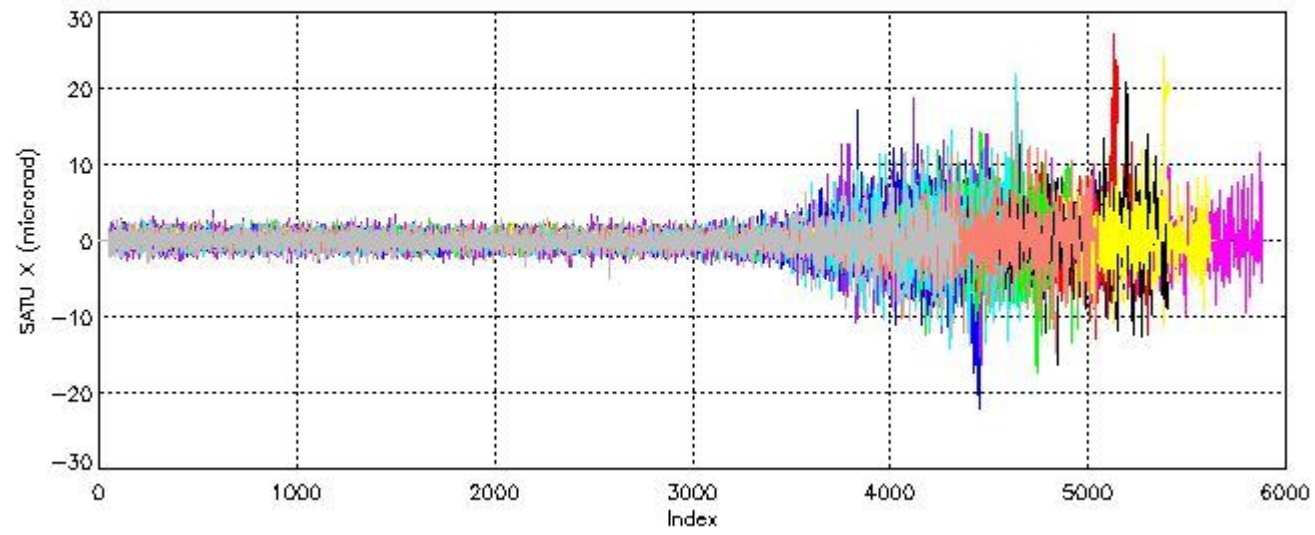


7. Star Acquisition and Tracking Unit (SATU)

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:	0.17299	-0.40300	0.18660	-0.51270
St. deviation:	0.59923	3.1076	0.81725	3.2531
Maximum:	3.9000	12.400	7.0000	13.700
Minimum:	-2.8000	-12.500	-6.2000	-14.900

Number of data:	29700.	29700.	57800.	57800.
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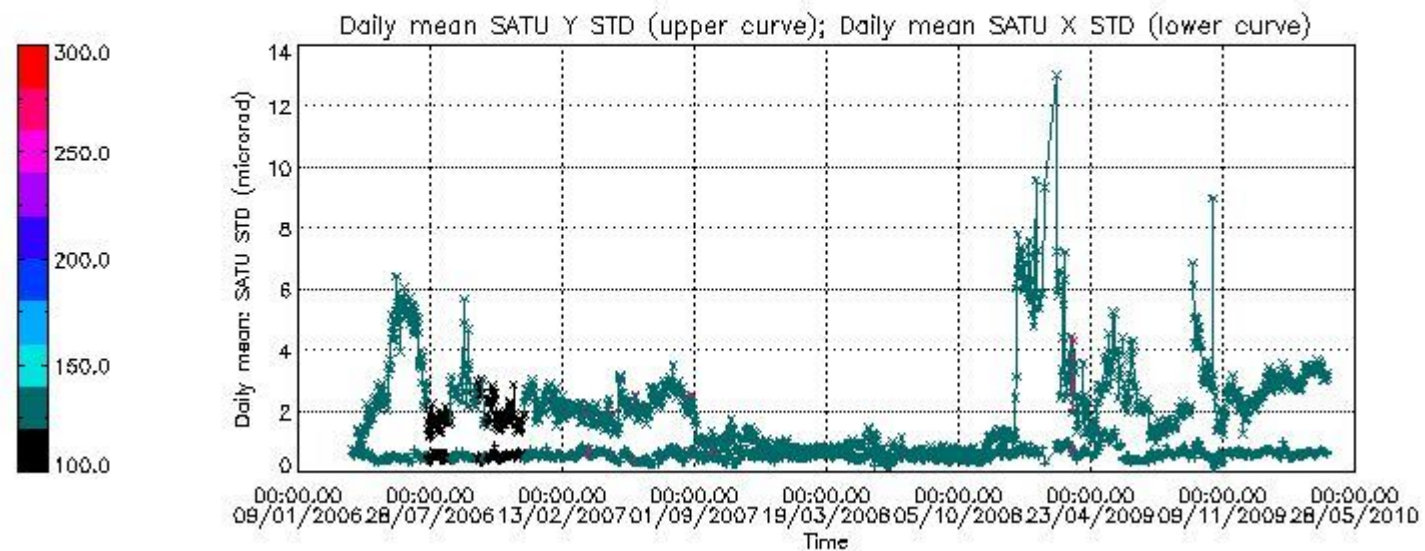
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

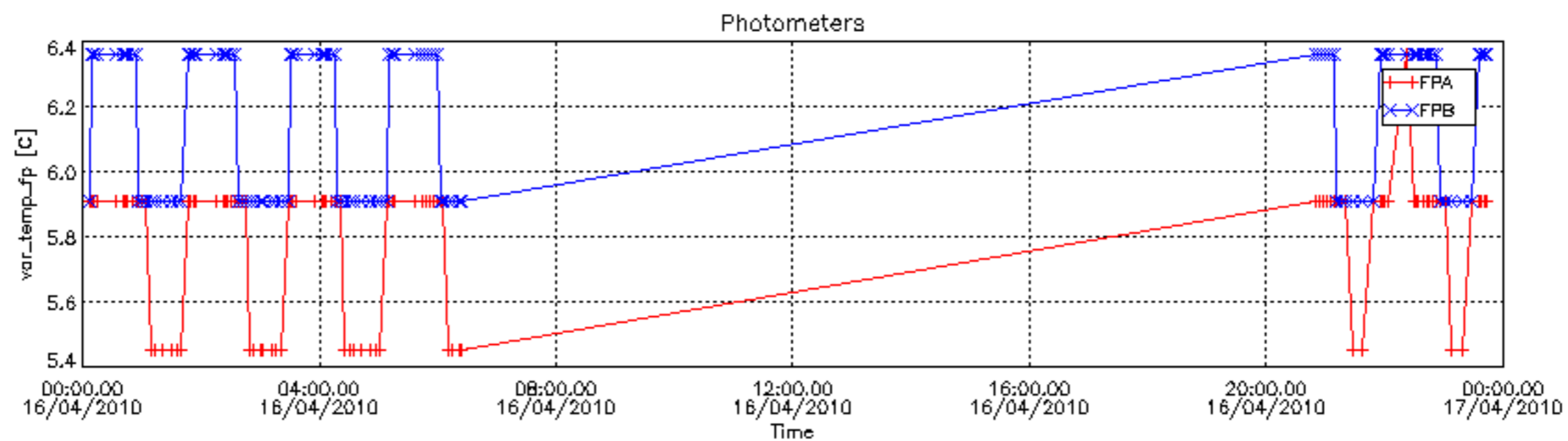
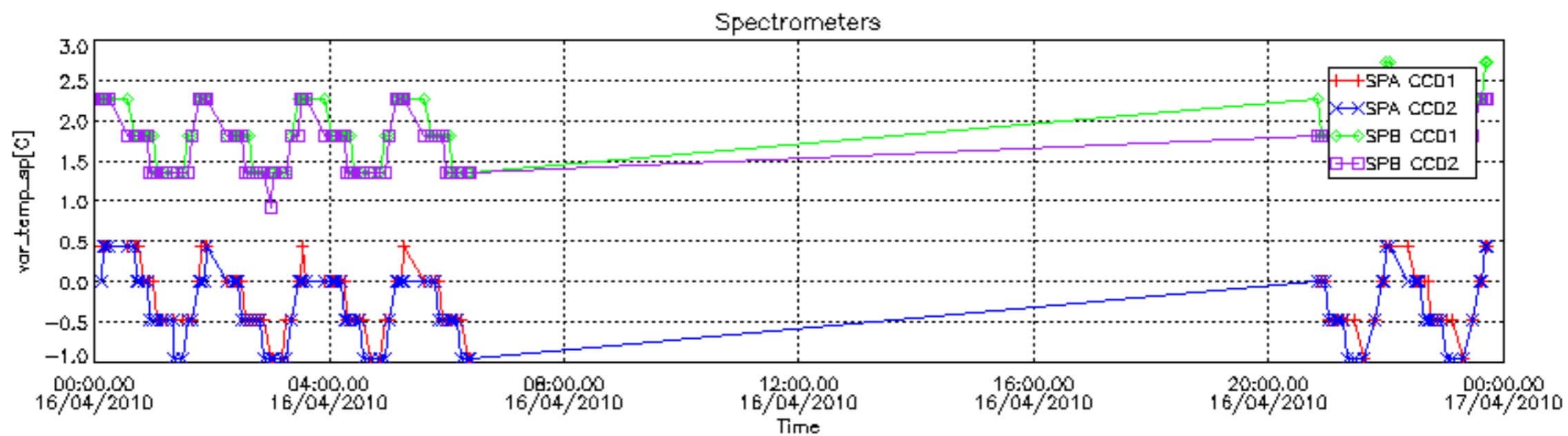
Lower curve: STD of SATU X axis

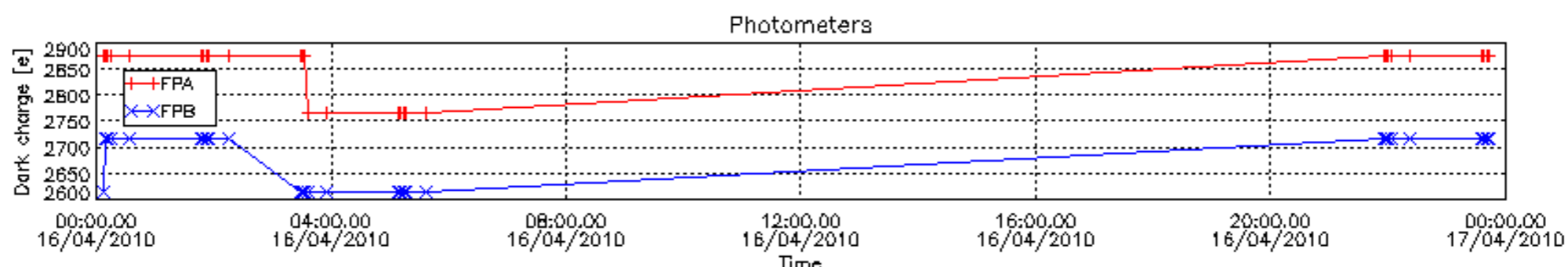
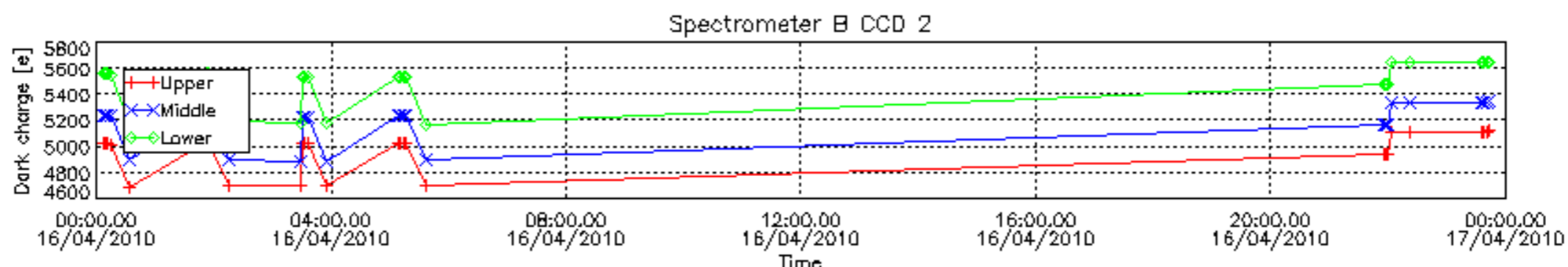
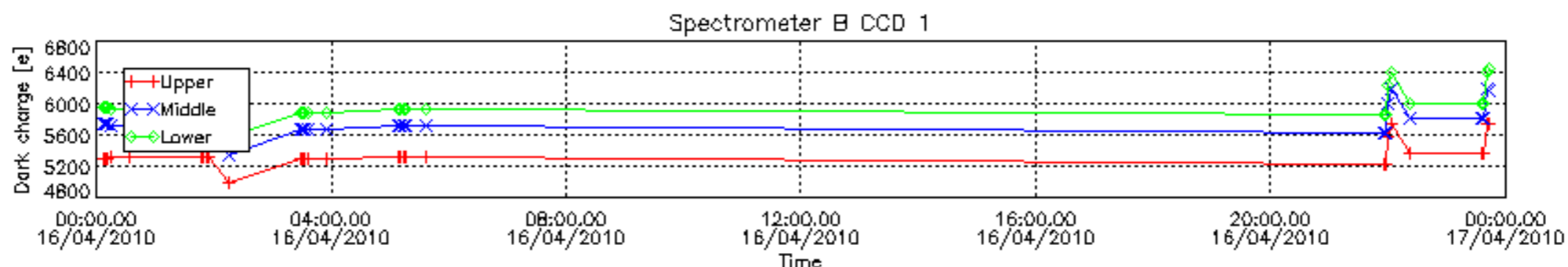
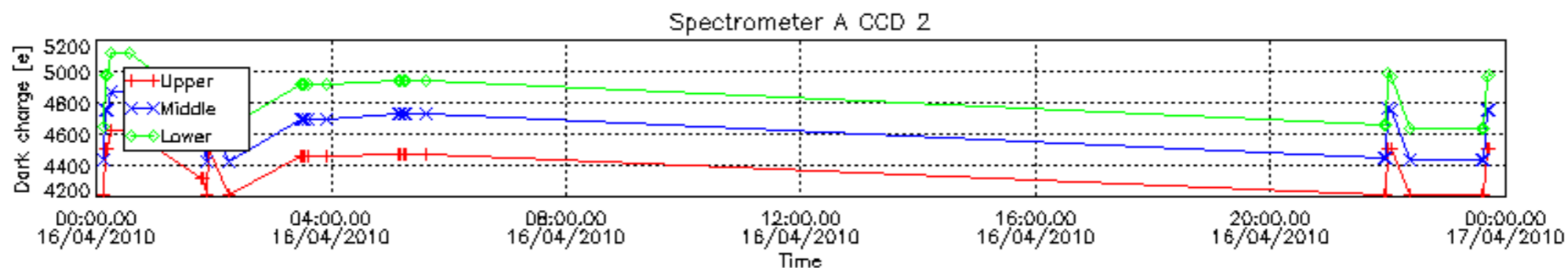
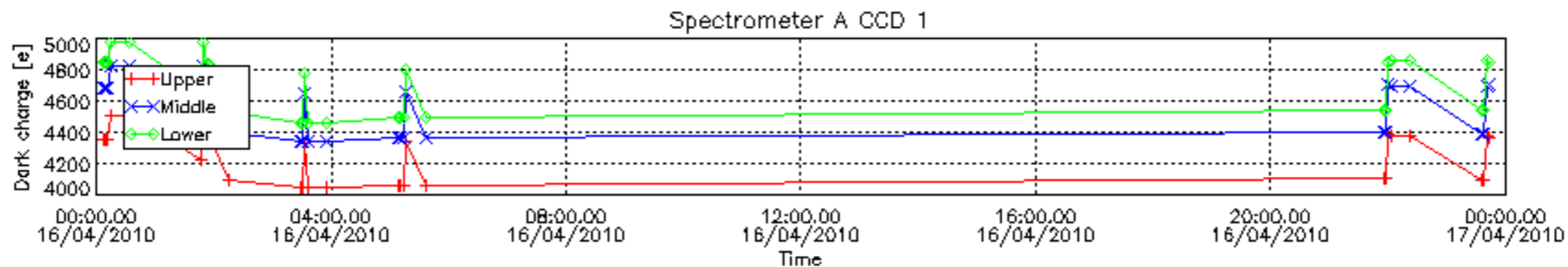


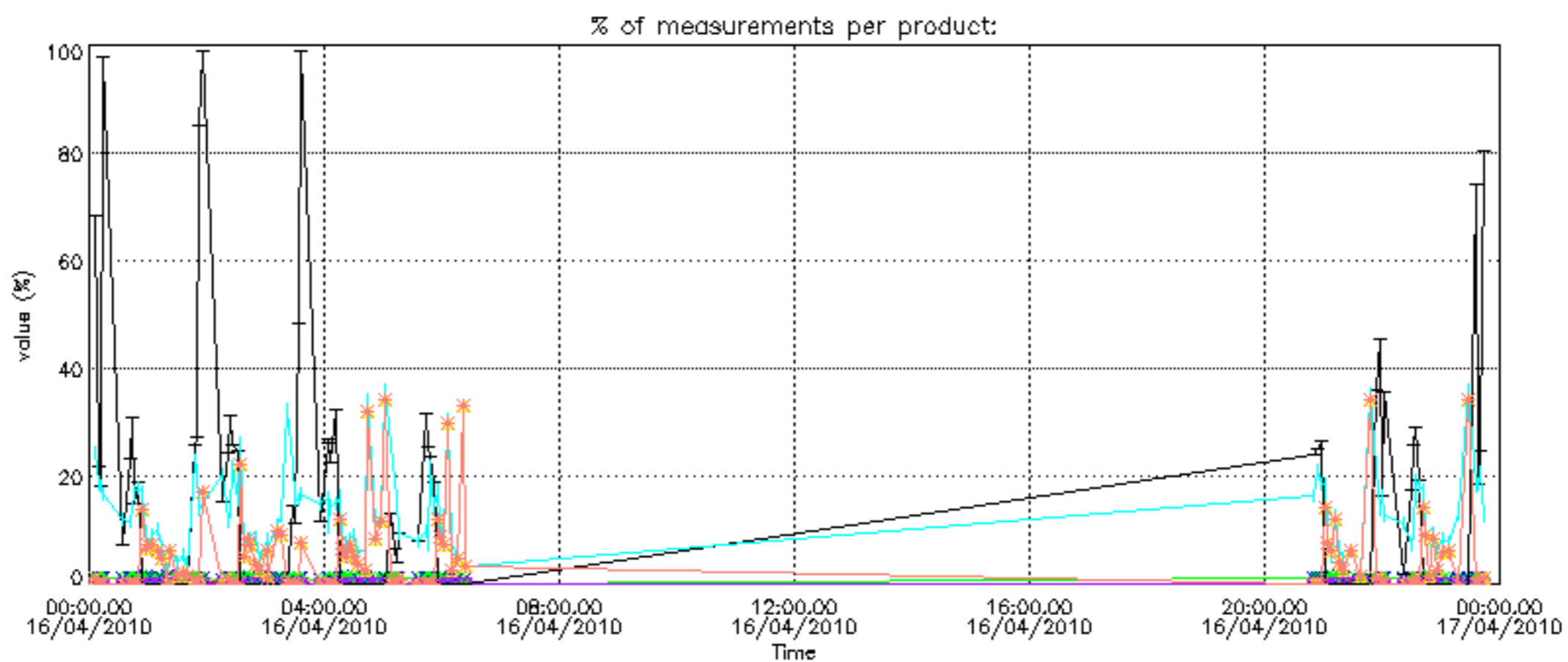
8. Auxiliary Data Files used for the production reported in section 2.4

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.

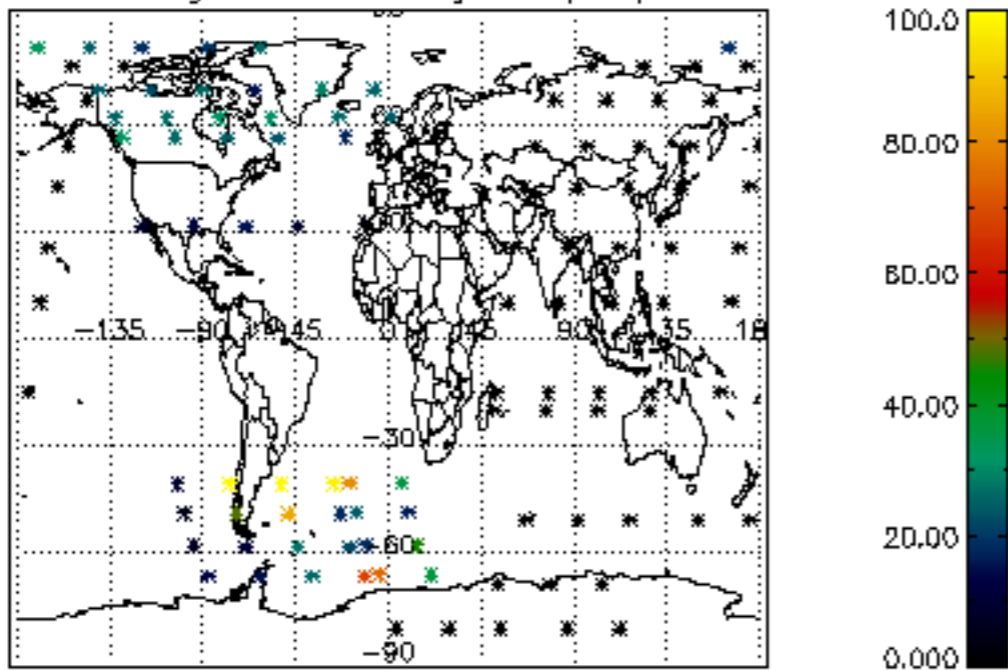
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	16-APR-2010 00:06:59
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100413_150709_20100411_000000_20500101_000000	1	16-APR-2010 00:06:59
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	16-APR-2010 00:06:59
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	16-APR-2010 00:06:59
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	16-APR-2010 00:06:59
ECMWF_FILE	AUX_ECF_AXNECM20100415_052117_20100415_210000_20100416_090000	1	16-APR-2010 00:06:59
ECMWF_FILE	AUX_ECF_AXNECM20100415_172118_20100416_030000_20100416_150000	38	16-APR-2010 03:11:09
ECMWF_FILE	AUX_ECA_AXNECM20100416_052116_20100415_210000_20100416_090000	58	16-APR-2010 04:51:45
ECMWF_FILE	AUX_ECF_AXNECM20100416_052117_20100416_150000_20100417_030000	78	16-APR-2010 20:50:40
ECMWF_FILE	AUX_ECF_AXNECM20100416_054116_20100416_210000_20100417_090000	93	16-APR-2010 22:02:23
OPTIONAL_ECMWF_FILE	MISSING	1	16-APR-2010 00:06:59
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100415_223315_000057382088_00344_42482_0167.N1	1	16-APR-2010 00:06:59
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100416_001412_000054192088_00345_42483_0168.N1	4	16-APR-2010 00:14:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100416_014950_000041442088_00346_42484_0169.N1	23	16-APR-2010 01:52:42
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100416_030413_000057382088_00347_42485_0170.N1	38	16-APR-2010 03:11:09
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100415_230116_20100414_195544_20100424_212157	58	16-APR-2010 04:51:45
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100416_204651_000041442088_00358_42496_0172.N1	78	16-APR-2010 20:50:40
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100416_220114_000057382088_00358_42496_0173.N1	93	16-APR-2010 22:02:23
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100416_233652_000057382088_00359_42497_0174.N1	111	16-APR-2010 23:43:00



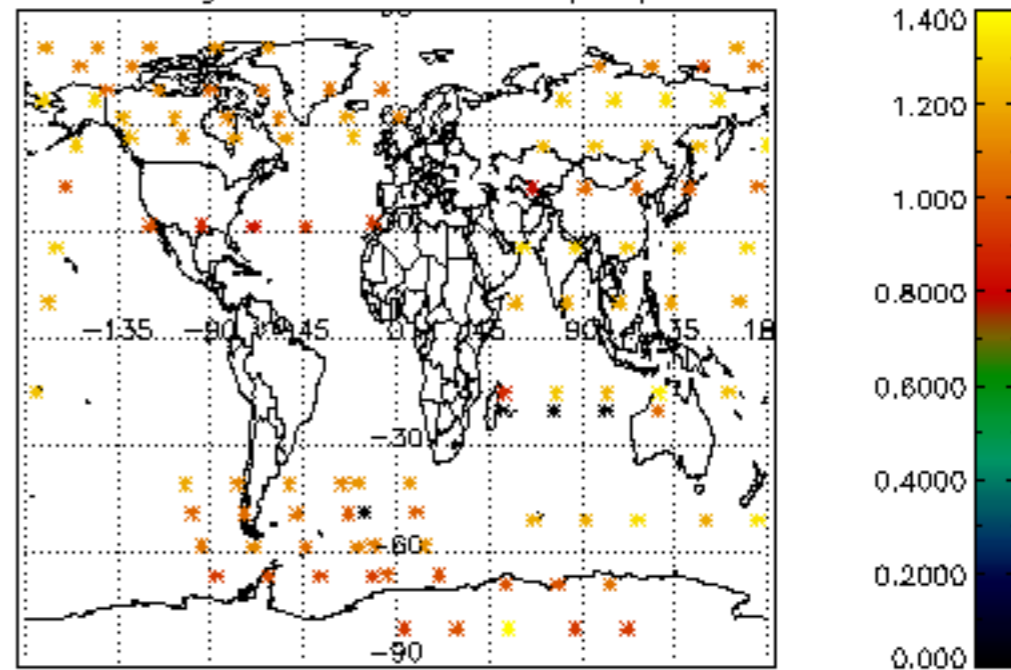




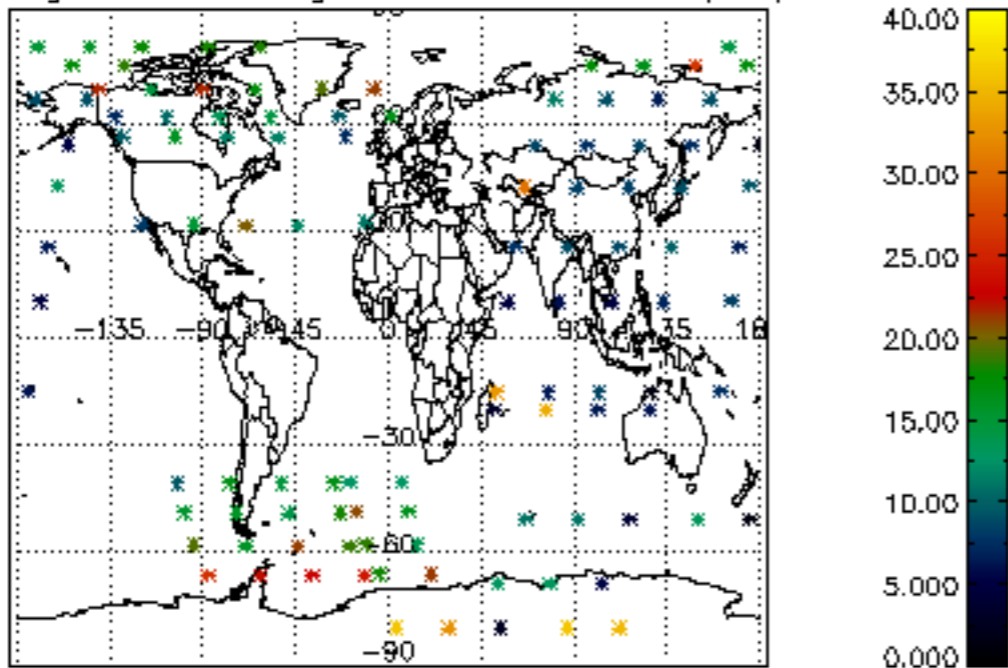
Percentage of cosmic ray hits per profile



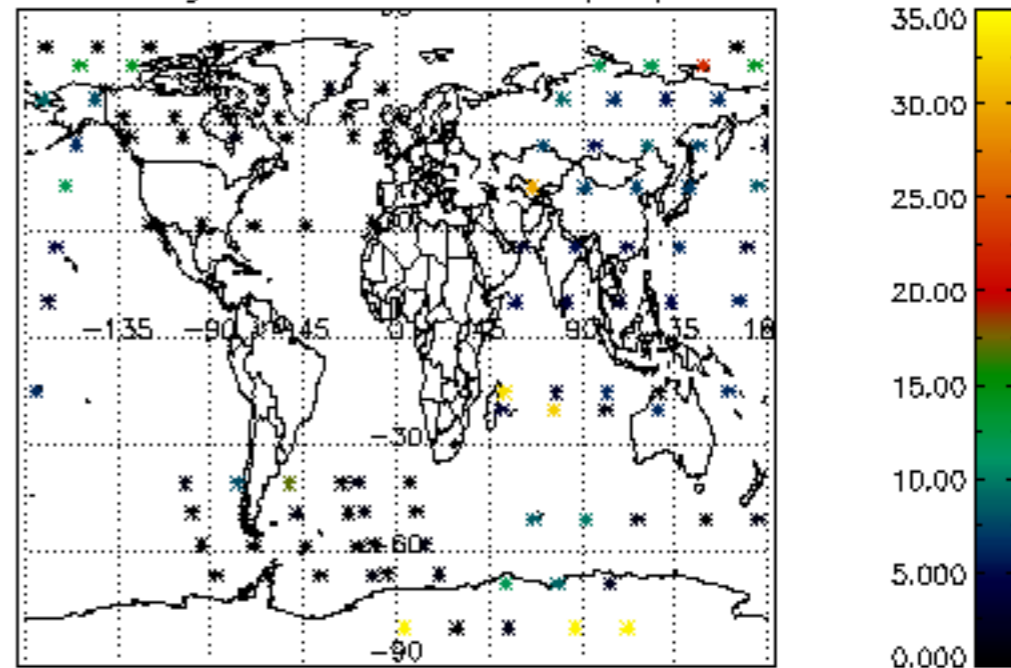
Percentage of datation errors per profile



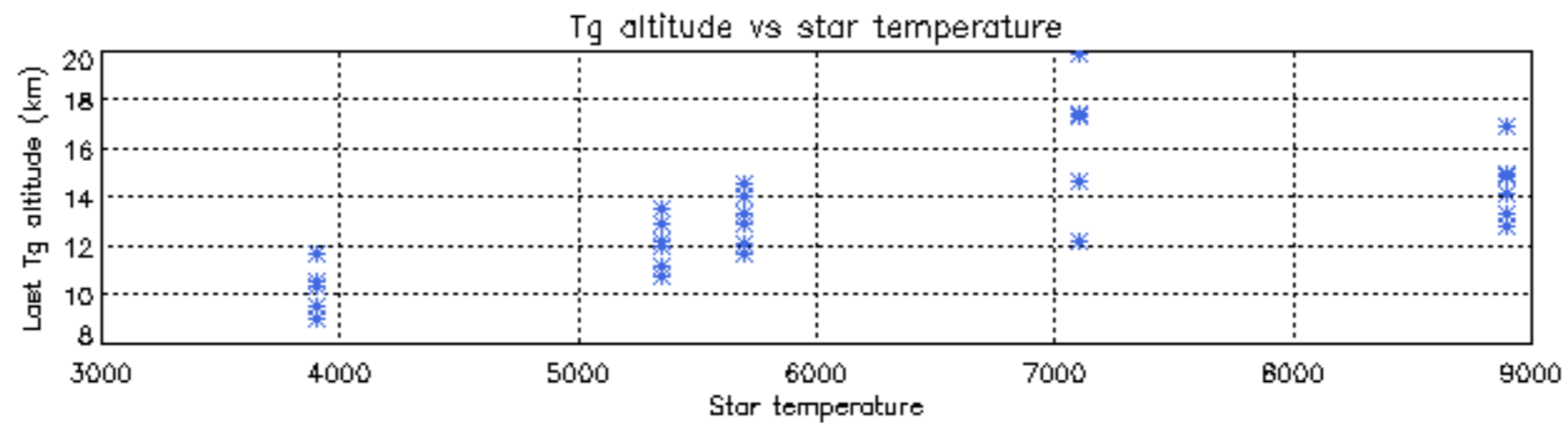
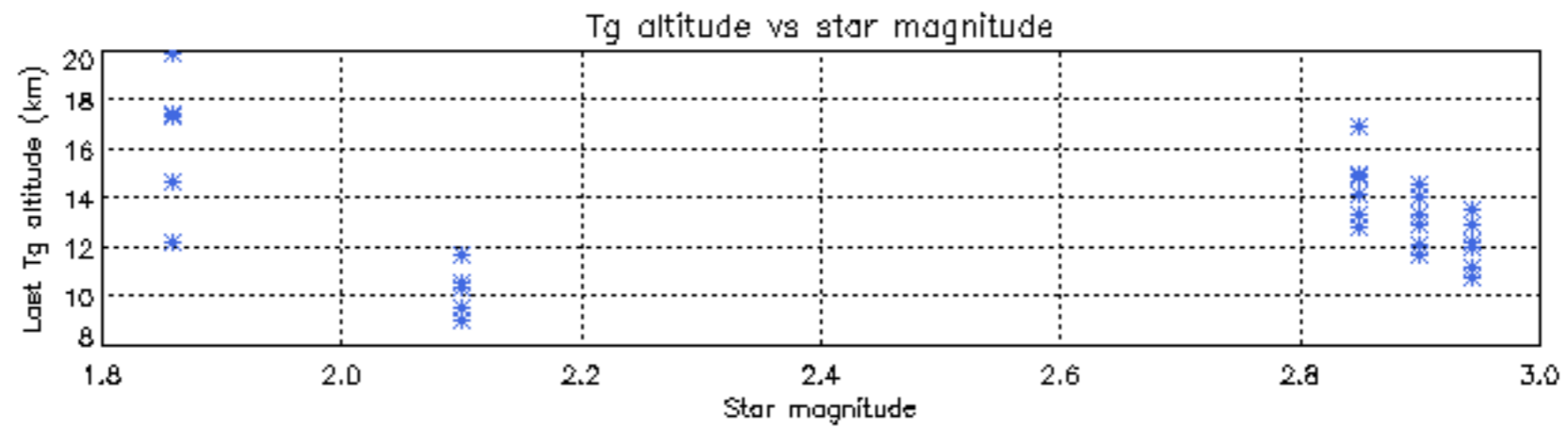
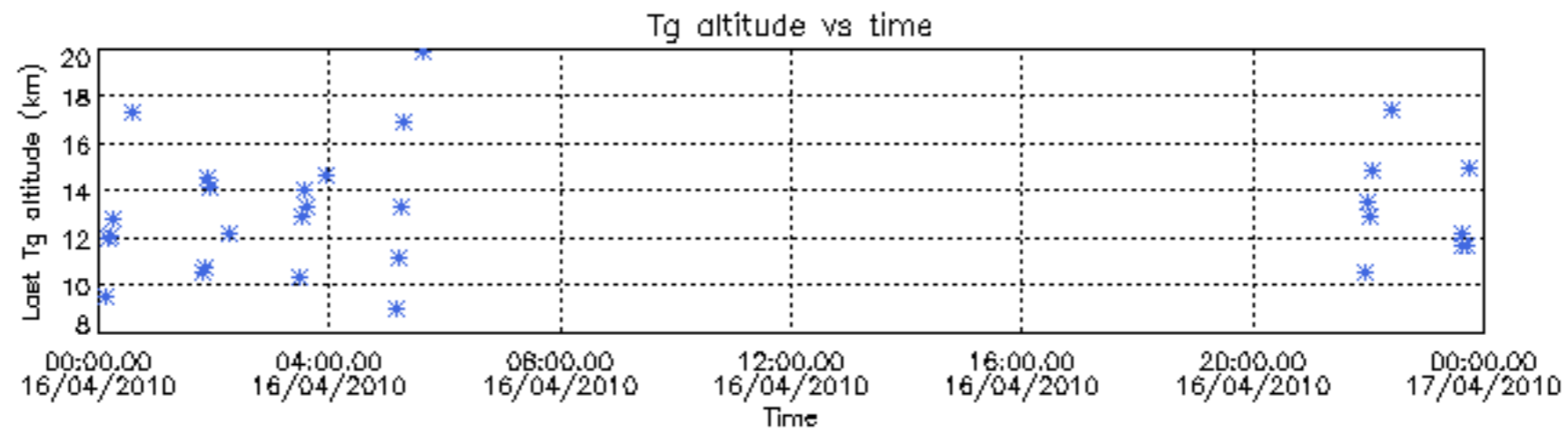
Percentage of star falling outside central band per profile



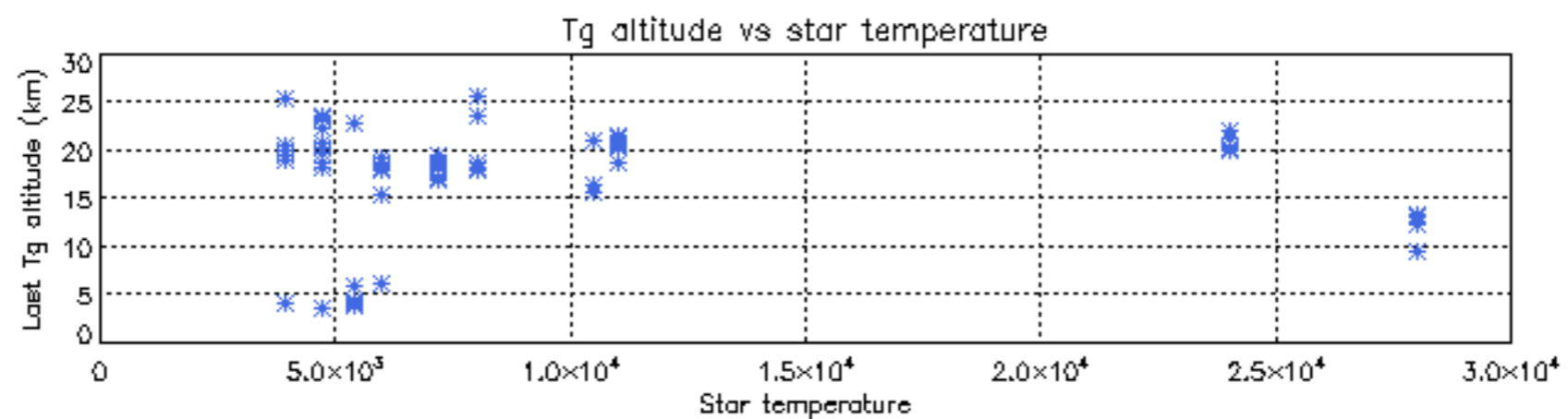
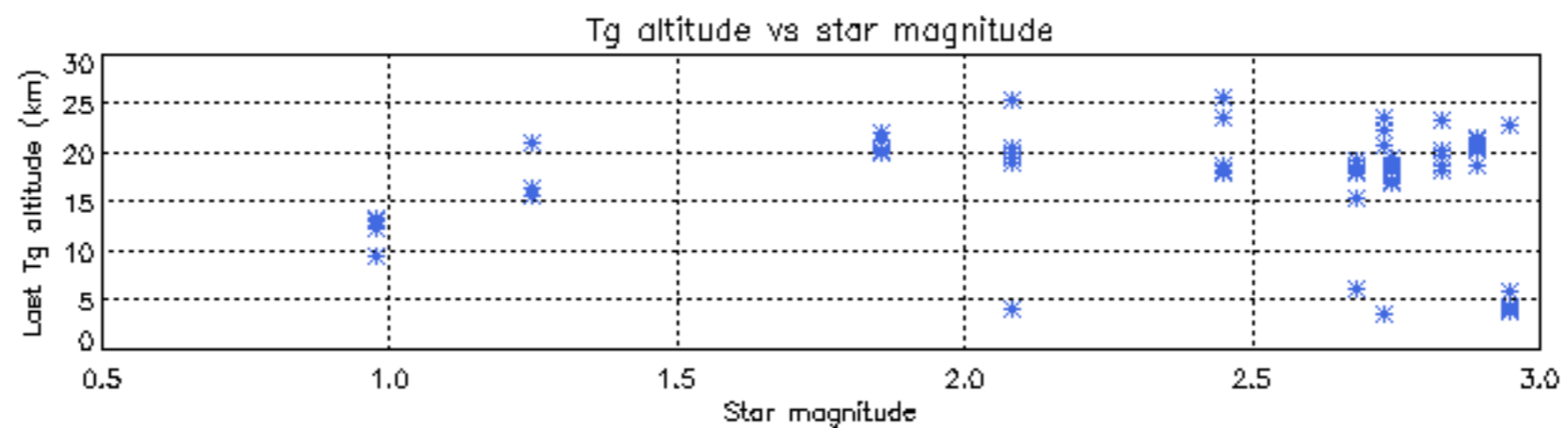
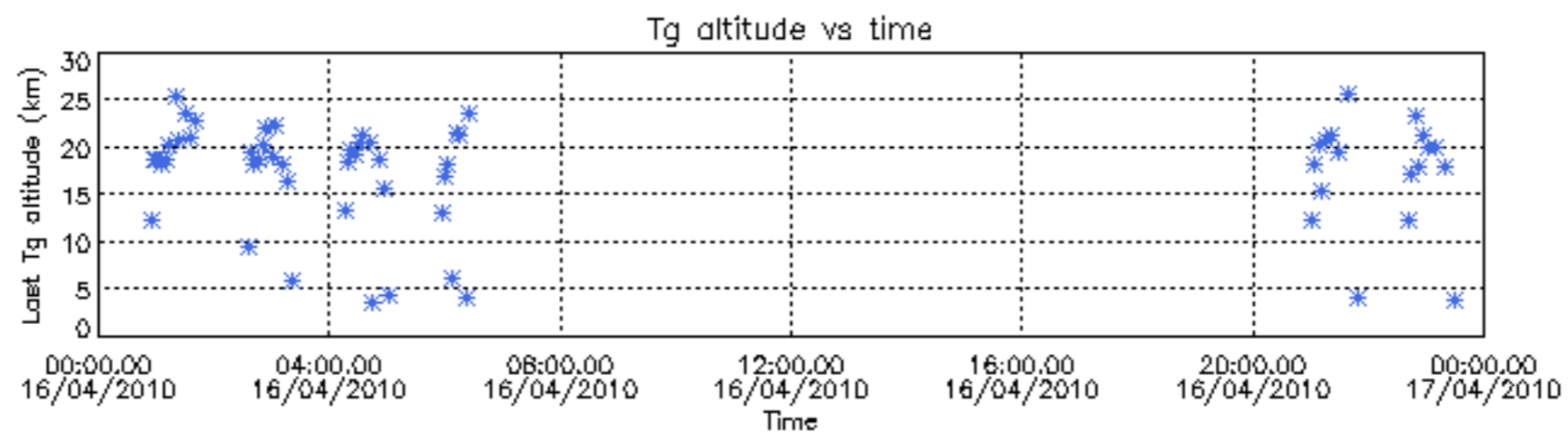
Percentage of saturation errors per profile

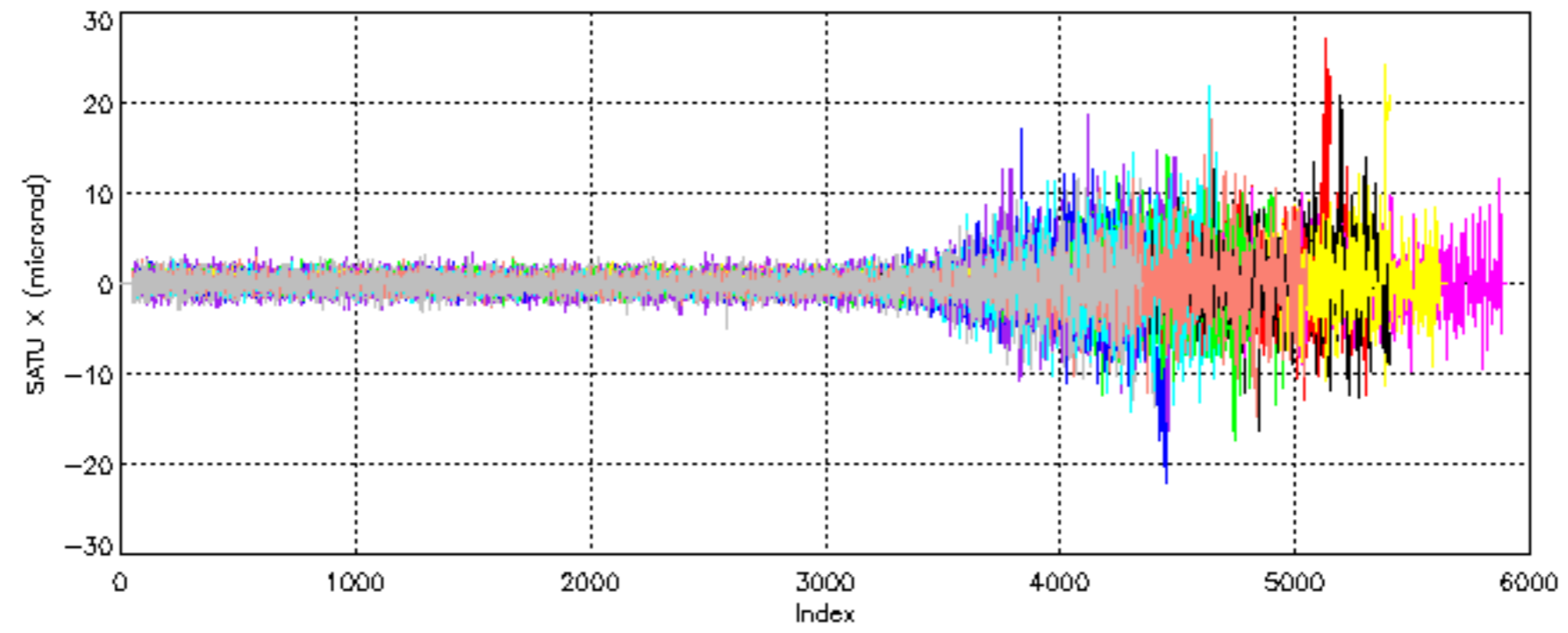


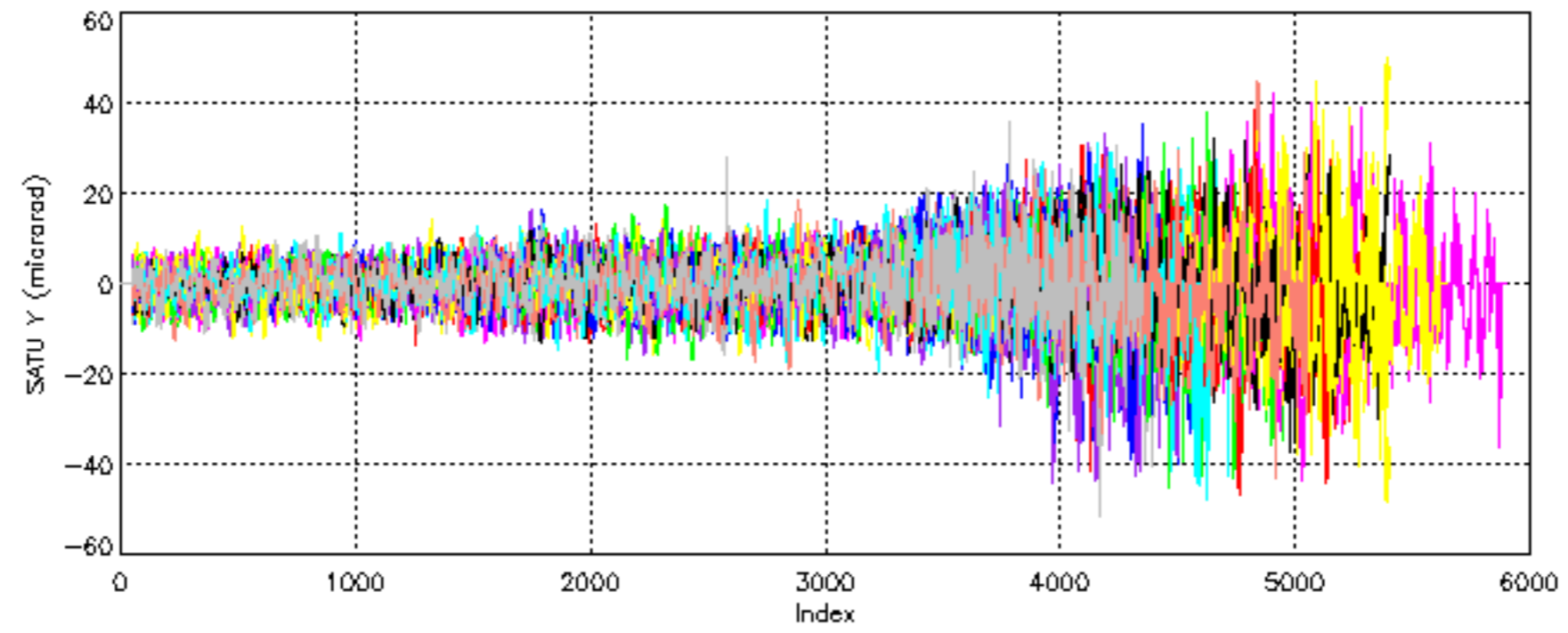
Tangent altitude at which the star is lost

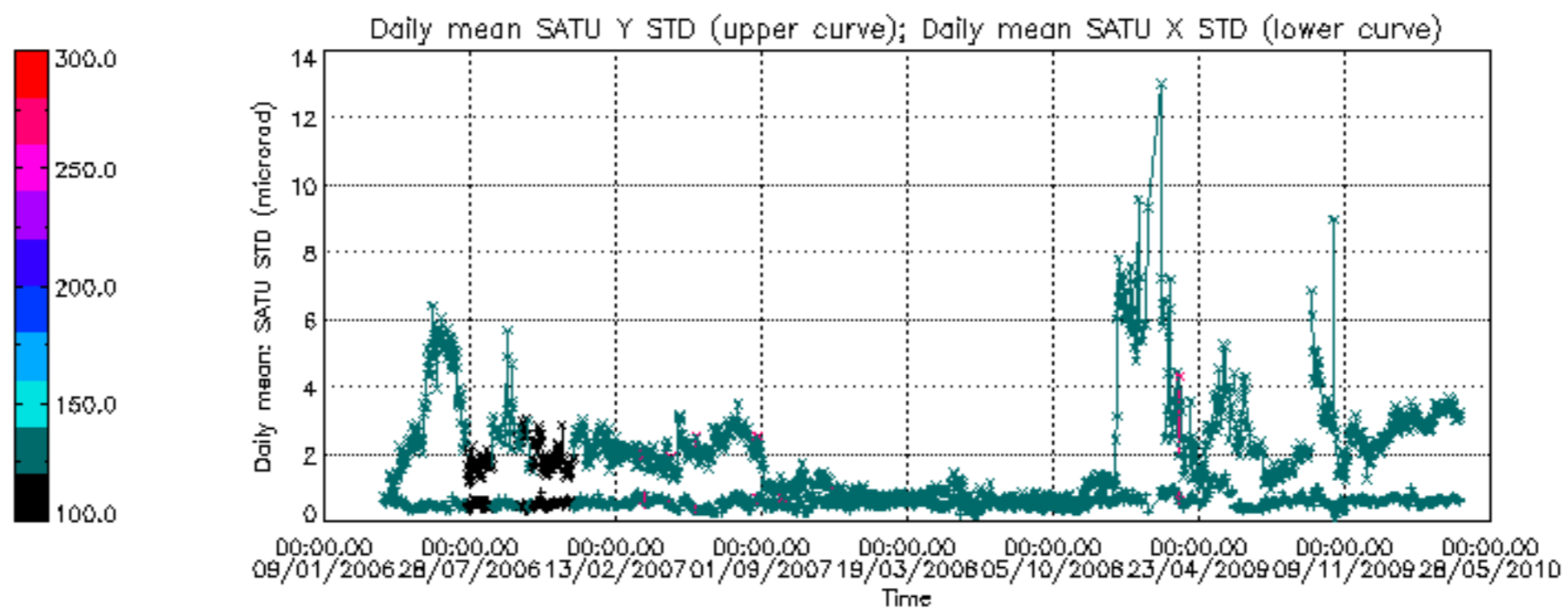


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100401_013233_000036912088_00131_42269_9779.N1

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
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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
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13; 1881.8; 01-APR-2010 22:16:21; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;42282
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 2; -1841.3; 03-APR-2010 06:46:16; Bright; 45.5; 144; 18Del Cyg ; 2.86; 11000;occ; 91; 0;42301
 3; -1723.4; 03-APR-2010 06:48:14; Bright; 47.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 94; 0;42301
 4; -1598.3; 03-APR-2010 06:50:19; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;42301
 5; -1200.5; 03-APR-2010 06:56:57; Dark ; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;42301
 6; -922.3; 03-APR-2010 07:01:35; Dark ; 41.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 83; 0;42301
 7; -288.5; 03-APR-2010 07:12:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42301
 8; -107.0; 03-APR-2010 07:15:11; Dark ; 53.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 106; 0;42301
 9; 107.6; 03-APR-2010 07:18:45; Dark ; 56.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 113; 0;42302
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11; 532.0; 03-APR-2010 07:25:50; Dark ; 41.5; 134; Bet TrA ; 2.81; 6600;occ; 83; 0;42302
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13; 954.4; 03-APR-2010 07:32:52; Dark ; 48.5; 81; Eta Cen ; 2.36; 28000;occ; 97; 0;42302
14; 1115.0; 03-APR-2010 07:35:33; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;42302
15; 1466.4; 03-APR-2010 07:41:24; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;42302
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 2; 1880.0; 03-APR-2010 07:48:18; Bright; 42.5; 121; 29Gam Vir ; 2.74; 7200;occ; 85; 0;42302
 3; 2157.8; 03-APR-2010 07:52:56; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;42302
 4; 2661.1; 03-APR-2010 08:01:19; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;42302
 5; 2841.6; 03-APR-2010 08:04:19; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;42302
 6; 2946.3; 03-APR-2010 08:06:04; Bright; 41.5; 32; 77Eps UMa ; 1.76; 11000;occ; 83; 0;42302
 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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13; 5114.2; 03-APR-2010 08:42:12; Dark ; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;42302
14; 5748.3; 03-APR-2010 08:52:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42302
15; 5929.9; 03-APR-2010 08:55:48; Dark ; 51.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 103; 0;42302
16; 6145.1; 03-APR-2010 08:59:23; Dark ; 54.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 109; 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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 3; 2660.6; 03-APR-2010 09:41:54; Bright; 43.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 86; 0;42303
 4; 2841.4; 03-APR-2010 09:44:55; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42303
 5; 2945.9; 03-APR-2010 09:46:40; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;42303
 6; 3327.5; 03-APR-2010 09:53:01; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;42303
 7; 3899.9; 03-APR-2010 10:02:34; Bright; 50.0; 89; 5Alp Cep ; 2.45; 8000;occ; 100; 0;42303
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13; 5749.1; 03-APR-2010 10:33:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42303
14; 5931.0; 03-APR-2010 10:36:25; Dark ; 53.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 106; 0;42303
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 4; 2660.4; 03-APR-2010 11:22:30; Bright; 43.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 86; 0;42304
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 7; 3327.0; 03-APR-2010 11:33:37; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;42304
 8; 3899.6; 03-APR-2010 11:43:09; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;42304
 9; 4194.3; 03-APR-2010 11:48:04; Bright; 46.0; 144; 18Del Cyg ; 2.86; 11000;occ; 92; 0;42304
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 11; 4437.6; 03-APR-2010 11:52:07; Bright; 46.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 92; 0;42304
 12; 4836.2; 03-APR-2010 11:58:46; Dark ; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;42304
 13; 5114.7; 03-APR-2010 12:03:24; Dark ; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;42304
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 17; 6368.2; 03-APR-2010 12:24:18; Dark ; 54.5; 40; The Sco ; 1.86; 7100;occ; 109; 0;42305
 18; 6569.0; 03-APR-2010 12:27:39; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42305
 19; 6895.4; 03-APR-2010 12:33:05; Dark ; 45.5; 78; Alp Lup ; 2.30; 28000;occ; 91; 0;42305
 20; 6991.9; 03-APR-2010 12:34:41; Dark ; 46.0; 81; Eta Cen ; 2.36; 28000;occ; 92; 0;42305
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 22; 7502.7; 03-APR-2010 12:43:12; Dark ; 47.5; 106; 9Bet Crv ; 2.65; 5600;occ; 95; 0;42305
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 3; 2157.4; 03-APR-2010 12:54:43; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;42305
 4; 2659.8; 03-APR-2010 13:03:05; Bright; 42.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 85; 0;42305
 5; 2840.7; 03-APR-2010 13:06:06; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42305
 6; 2945.2; 03-APR-2010 13:07:51; Bright; 43.5; 32; 77Eps UMa ; 1.76; 11000;occ; 87; 0;42305
 7; 3326.8; 03-APR-2010 13:14:12; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;42305
 8; 3899.8; 03-APR-2010 13:23:45; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;42305
 9; 4194.0; 03-APR-2010 13:28:39; Bright; 47.5; 144; 18Del Cyg ; 2.86; 11000;occ; 95; 0;42305
 10; 4313.0; 03-APR-2010 13:30:38; Bright; 64.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 128; 0;42305
 11; 4438.1; 03-APR-2010 13:32:43; Bright; 43.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 87; 0;42305
 12; 4836.6; 03-APR-2010 13:39:22; Dark ; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;42305
 13; 5115.0; 03-APR-2010 13:44:00; Dark ; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;42305
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 19; 6896.1; 03-APR-2010 14:13:42; Dark ; 46.0; 78; Alp Lup ; 2.30; 28000;occ; 92; 0;42306
 20; 6992.7; 03-APR-2010 14:15:18; Dark ; 46.0; 81; Eta Cen ; 2.36; 28000;occ; 92; 0;42306
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 3; 1687.6; 03-APR-2010 14:27:29; Dark ; 60.5; 15; 67Alp Vir ; 0.98; 28000;occ; 121; 0;42306
 4; 1879.6; 03-APR-2010 14:30:41; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;42306
 5; 2157.3; 03-APR-2010 14:35:19; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42306
 6; 2659.4; 03-APR-2010 14:43:41; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;42306
 7; 2840.5; 03-APR-2010 14:46:42; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;42306
 8; 2944.7; 03-APR-2010 14:48:26; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;42306
 9; 3326.6; 03-APR-2010 14:54:48; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;42306
 10; 3899.8; 03-APR-2010 15:04:21; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;42306
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 19; 6370.4; 03-APR-2010 15:45:32; Dark ; 54.5; 40; The Sco ; 1.86; 7100;occ; 109; 0;42307
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 22; 6993.3; 03-APR-2010 15:55:55; Dark ; 46.0; 81; Eta Cen ; 2.36; 28000;occ; 92; 0;42307
 23; 7153.7; 03-APR-2010 15:58:35; Dark ; 49.5; 54; 5The Cen ; 2.06; 4500;occ; 99; 0;42307

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 9; 2944.2; 03-APR-2010 16:29:01; Bright; 43.0; 32; 77Eps UMa ; 1.76; 11000;occ; 86; 0;42307
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21; 6631.3; 26-APR-2010 18:48:02; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;42638
22; 6725.1; 26-APR-2010 18:49:36; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;42638

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11; 3232.7; 26-APR-2010 19:32:00; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;42638
12; 3845.8; 26-APR-2010 19:42:13; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;42638
13; 4498.5; 26-APR-2010 19:53:05; Bright; 58.0; 164; 44Eta Peg ; 2.95; 5400;occ; 116; 0;42638
14; 4755.1; 26-APR-2010 19:57:22; Dark ; 43.0; 90; 54Alp Peg ; 2.49; 11000;occ; 86; 0;42638
15; 4985.3; 26-APR-2010 20:01:12; Dark ; 60.5; 61; 8Eps Peg ; 2.10; 3900;occ; 121; 0;42638
16; 5132.3; 26-APR-2010 20:03:39; Dark ; 48.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 96; 0;42638
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19; 5633.6; 26-APR-2010 20:12:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42638
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21; 6177.5; 26-APR-2010 20:21:04; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;42639
22; 6632.0; 26-APR-2010 20:28:39; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42639
23; 6726.0; 26-APR-2010 20:30:13; Dark ; 58.0; 40; The Sco ; 1.86; 7100;occ; 116; 0;42639

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5; 142.0; 26-APR-2010 22:01:41; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42640
6; 596.8; 26-APR-2010 22:09:16; Dark ; 46.5; 141; Bet Ara ; 2.84; 4600;occ; 93; 0;42640
7; 691.2; 26-APR-2010 22:10:50; Dark ; 22.5; 40; The Sco ; 1.86; 7100;occ; 45; 0;42640

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3; 1239.4; 26-APR-2010 20:39:22; Dark ; 45.0; 54; 5The Cen ; 2.06; 4500;occ; 90; 0;42639
4; 1583.7; 26-APR-2010 20:45:07; Bright; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;42639
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6; 2092.8; 26-APR-2010 20:53:36; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;42639
7; 2246.1; 26-APR-2010 20:56:09; Bright; 41.0; 111; 8Eta Boo ; 2.68; 6000;occ; 82; 0;42639
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9; 2668.1; 26-APR-2010 21:03:11; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;42639
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13; 4498.7; 26-APR-2010 21:33:42; Bright; 58.0; 164; 44Eta Peg ; 2.95; 5400;occ; 116; 0;42639
14; 4755.3; 26-APR-2010 21:37:58; Dark ; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;42639
15; 4985.6; 26-APR-2010 21:41:48; Dark ; 64.0; 61; 8Eps Peg ; 2.10; 3900;occ; 128; 0;42639
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8; 2093.0; 26-APR-2010 22:34:12; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;42640
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13; 2786.4; 26-APR-2010 22:45:45; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42640
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5; -902.3; 26-APR-2010 23:24:52; Dark ; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;42640
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7; -574.4; 26-APR-2010 23:30:20; Dark ; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;42640
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15; 1583.9; 27-APR-2010 00:06:18; Bright; 51.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 102; 0;42641
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19; 2490.7; 27-APR-2010 00:21:25; Bright; 25.0; 83; ; 2.38; 11000;occ; 50; 0;42641
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22; 2786.3; 27-APR-2010 00:26:21; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42641
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3; 1243.4; 27-APR-2010 20:07:49; Dark ; 45.5; 54; 5The Cen ; 2.06; 4500;occ; 91; 0;42653
4; 1585.1; 27-APR-2010 20:13:31; Bright; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;42653
5; 1706.5; 27-APR-2010 20:15:32; Bright; 40.0; 15; 67Alp Vir ; 0.98; 28000;occ; 80; 0;42653
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12; 4500.8; 27-APR-2010 21:02:07; Bright; 44.5; 164; 44Eta Peg ; 2.95; 5400;occ; 89; 0;42653
13; 4759.7; 27-APR-2010 21:06:25; Dark ; 43.5; 90; 54Alp Peg ; 2.49; 11000;occ; 87; 0;42653
14; 4995.6; 27-APR-2010 21:10:21; Dark ; 52.0; 61; 8Eps Peg ; 2.10; 3900;occ; 104; 0;42653
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12; 2242.8; 27-APR-2010 22:05:04; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;42654

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 23; 5348.4; 27-APR-2010 22:56:50; Dark ; 16.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 32; 0;42654

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7; 2239.1; 29-APR-2010 00:54:36; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;42670
8; 2472.6; 29-APR-2010 00:58:29; Bright; 48.0; 83; ; 2.38; 11000;occ; 96; 0;42670
9; 2650.8; 29-APR-2010 01:01:27; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;42670
10; 2777.9; 29-APR-2010 01:03:35; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;42670
11; 2855.0; 29-APR-2010 01:04:52; Bright; 37.5; 55; 79Zet UMa ; 2.06; 10200;occ; 75; 0;42670
12; 3225.3; 29-APR-2010 01:11:02; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42670
13; 3836.9; 29-APR-2010 01:21:14; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42670
14; 4503.5; 29-APR-2010 01:32:20; Bright; 47.5; 164; 44Eta Peg ; 2.95; 5400;occ; 95; 0;42670
15; 4764.3; 29-APR-2010 01:36:41; Dark ; 44.5; 90; 54Alp Peg ; 2.49; 11000;occ; 89; 0;42670
16; 5154.8; 29-APR-2010 01:43:11; Dark ; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;42670

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1;	-881.1;	29-APR-2010	01:43:11;	Dark	;	51.0;	162;	34Alp Aqr	;	2.94;	5350;	occ;	102;	0;	42670
2;	-385.3;	29-APR-2010	01:51:27;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	42670
3;	-260.6;	29-APR-2010	01:53:32;	Dark	;	41.0;	172;	Gam Gru	;	3.00;	13100;	occ;	82;	0;	42670
4;	161.6;	29-APR-2010	02:00:34;	Dark	;	43.0;	45;	Alp Pav	;	1.94;	26000;	occ;	86;	0;	42671
5;	617.1;	29-APR-2010	02:08:10;	Dark	;	54.0;	141;	Bet Ara	;	2.84;	4600;	occ;	108;	0;	42671
6;	720.3;	29-APR-2010	02:09:53;	Dark	;	51.5;	40;	The Sco	;	1.86;	7100;	occ;	103;	0;	42671
7;	1120.6;	29-APR-2010	02:16:33;	Dark	;	43.0;	81;	Eta Cen	;	2.36;	28000;	occ;	86;	0;	42671
8;	1587.0;	29-APR-2010	02:24:19;	Bright;		46.0;	122;	9Alp2Lib	;	2.75;	9700;	occ;	92;	0;	42671
9;	2239.2;	29-APR-2010	02:35:12;	Bright;		40.5;	111;	8Eta Boo	;	2.68;	6000;	occ;	81;	0;	42671
10;	2472.1;	29-APR-2010	02:39:05;	Bright;		49.0;	83;		;	2.38;	11000;	occ;	98;	0;	42671
11;	2650.4;	29-APR-2010	02:42:03;	Bright;		42.0;	180;	27Gam Boo	;	3.04;	8000;	occ;	84;	0;	42671
12;	2777.6;	29-APR-2010	02:44:10;	Bright;		37.5;	39;	85Eta UMa	;	1.85;	24000;	occ;	75;	0;	42671
13;	2854.5;	29-APR-2010	02:45:27;	Bright;		37.5;	55;	79Zet UMa	;	2.06;	10200;	occ;	75;	0;	42671
14;	3225.4;	29-APR-2010	02:51:38;	Bright;		39.0;	60;	7Bet UMi	;	2.08;	3950;	occ;	78;	0;	42671

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1;	-2198.9;	29-APR-2010	03:01:50;	Bright;		42.0;	89;	5Alp Cep	;	2.45;	8000;	occ;	84;	0;	42671
2;	-1532.2;	29-APR-2010	03:12:56;	Bright;		45.0;	164;	44Eta Peg	;	2.95;	5400;	occ;	90;	0;	42671
3;	-1271.1;	29-APR-2010	03:17:17;	Dark	;	46.0;	90;	54Alp Peg	;	2.49;	11000;	occ;	92;	0;	42671
4;	-880.6;	29-APR-2010	03:23:48;	Dark	;	54.5;	162;	34Alp Aqr	;	2.94;	5350;	occ;	109;	0;	42671
5;	-546.7;	29-APR-2010	03:29:22;	Dark	;	50.0;	142;	49Del Cap	;	2.85;	8900;	occ;	100;	0;	42671
6;	-384.7;	29-APR-2010	03:32:04;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	42671
7;	-259.7;	29-APR-2010	03:34:09;	Dark	;	43.5;	172;	Gam Gru	;	3.00;	13100;	occ;	87;	0;	42671
8;	162.3;	29-APR-2010	03:41:11;	Dark	;	45.5;	45;	Alp Pav	;	1.94;	26000;	occ;	91;	0;	42672
9;	617.6;	29-APR-2010	03:48:46;	Dark	;	45.0;	141;	Bet Ara	;	2.84;	4600;	occ;	90;	0;	42672
10;	721.1;	29-APR-2010	03:50:30;	Dark	;	55.0;	40;	The Sco	;	1.86;	7100;	occ;	110;	0;	42672
11;	1121.2;	29-APR-2010	03:57:10;	Dark	;	41.5;	81;	Eta Cen	;	2.36;	28000;	occ;	83;	0;	42672
12;	1587.1;	29-APR-2010	04:04:56;	Bright;		46.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	93;	0;	42672
13;	2238.7;	29-APR-2010	04:15:47;	Bright;		39.0;	111;	8Eta Boo	;	2.68;	6000;	occ;	78;	0;	42672
14;	2471.6;	29-APR-2010	04:19:40;	Bright;		48.0;	83;		;	2.38;	11000;	occ;	96;	0;	42672
15;	2650.0;	29-APR-2010	04:22:38;	Bright;		41.0;	180;	27Gam Boo	;	3.04;	8000;	occ;	82;	0;	42672
16;	2777.6;	29-APR-2010	04:24:46;	Bright;		38.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	76;	0;	42672
17;	2854.6;	29-APR-2010	04:26:03;	Bright;		37.5;	55;	79Zet UMa	;	2.06;	10200;	occ;	75;	0;	42672
18;	3225.3;	29-APR-2010	04:32:14;	Bright;		39.0;	60;	7Bet UMi	;	2.08;	3950;	occ;	78;	0;	42672

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2;	-1532.0;	29-APR-2010	04:53:33;	Bright;		42.5;	164;	44Eta Peg	;	2.95;	5400;	occ;	85;	0;	42672
3;	-1270.4;	29-APR-2010	04:57:54;	Dark	;	44.0;	90;	54Alp Peg	;	2.49;	11000;	occ;	88;	0;	42672
4;	-879.7;	29-APR-2010	05:04:25;	Dark	;	55.0;	162;	34Alp Aqr	;	2.94;	5350;	occ;	110;	0;	42672
5;	-545.7;	29-APR-2010	05:09:59;	Dark	;	51.5;	142;	49Del Cap	;	2.85;	8900;	occ;	103;	0;	42672
6;	-384.2;	29-APR-2010	05:12:40;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	42672
7;	-259.4;	29-APR-2010	05:14:45;	Dark	;	41.0;	172;	Gam Gru	;	3.00;	13100;	occ;	82;	0;	42672
8;	162.6;	29-APR-2010	05:21:47;	Dark	;	40.5;	45;	Alp Pav	;	1.94;	26000;	occ;	81;	0;	42673
9;	618.4;	29-APR-2010	05:29:23;	Dark	;	43.0;	141;	Bet Ara	;	2.84;	4600;	occ;	86;	0;	42673
10;	722.0;	29-APR-2010	05:31:07;	Dark	;	57.0;	40;	The Sco	;	1.86;	7100;	occ;	114;	0;	42673
11;	1121.2;	29-APR-2010	05:37:46;	Dark	;	40.5;	81;	Eta Cen	;	2.36;	28000;	occ;	81;	0;	42673
12;	1587.2;	29-APR-2010	05:45:32;	Bright;		45.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	91;	0;	42673
13;	2238.2;	29-APR-2010	05:56:23;	Bright;		40.5;	111;	8Eta Boo	;	2.68;	6000;	occ;	81;	0;	42673
14;	2470.9;	29-APR-2010	06:00:15;	Bright;		49.0;	83;		;	2.38;	11000;	occ;	98;	0;	42673
15;	2649.6;	29-APR-2010	06:03:14;	Bright;		41.5;	180;	27Gam Boo	;	3.04;	8000;	occ;	83;	0;	42673
16;	2777.3;	29-APR-2010	06:05:22;	Bright;		38.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	76;	0;	42673
17;	2854.4;	29-APR-2010	06:06:39;	Bright;		37.0;	55;	79Zet UMa	;	2.06;	10200;	occ;	74;	0;	42673
18;	3225.1;	29-APR-2010	06:12:50;	Bright;		37.5;	60;	7Bet UMi	;	2.08;	3950;	occ;	75;	0;	42673

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1;	855.5;	29-APR-2010	20:38:44;	Dark	;	57.5;	25;	35Lam Sco	;	1.62;	28000;	occ;	115;	43;	42682
2;	1025.9;	29-APR-2010	20:41:34;	Dark	;	62.0;	75;	26Eps Sco	;	2.29;	4250;	occ;	124;	0;	42682
3;	1255.3;	29-APR-2010	20:45:23;	Dark	;	81.0;	16;	21Alp Sco	;	1.02;	3000;	occ;	162;	0;	42682
4;	1394.3;	29-APR-2010	20:47:42;	Dark	;	61.5;	80;	7Del Sco	;	2.32;	30000;	occ;	123;	0;	42682
5;	1588.2;	29-APR-2010	20:50:56;	Bright;		48.0;	122;	9Alp2Lib	;	2.75;	9700;	occ;	96;	0;	42682
6;	1729.4;	29-APR-2010	20:53:17;	Bright;		49.5;	104;	27Bet Lib	;	2.61;	13100;	occ;	99;	0;	42682
7;	2236.8;	29-APR-2010	21:01:45;	Bright;		38.0;	111;	8Eta Boo	;	2.68;	6000;	occ;	76;	0;	42682
8;	2465.8;	29-APR-2010	21:05:34;	Bright;		48.5;	83;		;	2.38;	11000;	occ;	97;	0;	42682
9;	2644.9;	29-APR-2010	21:08:33;	Bright;		43.0;	180;	27Gam Boo	;	3.04;	8000;	occ;	86;	0;	42682
10;	2774.6;	29-APR-2010	21:10:43;	Bright;		40.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	80;	0;	42682
11;	3222.1;	29-APR-2010	21:18:10;	Bright;		44.5;	119;	14Eta Dra	;	2.73;	4700;	occ;	89;	0;	42682
12;	3833.5;	29-APR-2010	21:28:22;	Bright;		42.0;	89;	5Alp Cep	;	2.45;	8000;	occ;	84;	0;	42682
13;	4146.5;	29-APR-2010	21:33:34;	Bright;		60.5;	19;	50Alp Cyg	;	1.25;	10500;	occ;	121;	0;	42682
14;	4505.5;	29-APR-2010	21:39:34;	Bright;		43.5;	164;	44Eta Peg	;	2.95;	5400;	occ;	87;	0;	42682


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16; 5017.3; 29-APR-2010 21:48:05; Dark ; 65.5; 61; 8Eps Peg ; 2.10; 3900;occ; 131; 0;42682
17; 5163.7; 29-APR-2010 21:50:32; Dark ; 53.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 107; 0;42682
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3; 624.6; 29-APR-2010 22:15:29; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42683
4; 731.2; 29-APR-2010 22:17:15; Dark ; 55.0; 40; The Sco ; 1.86; 7100;occ; 110; 0;42683
5; 834.7; 29-APR-2010 22:18:59; Dark ; 61.5; 25; 35Lam Sco ; 1.62; 28000;occ; 123; 0;42683
6; 1026.6; 29-APR-2010 22:22:11; Dark ; 58.0; 75; 26Eps Sco ; 2.29; 4250;occ; 116; 0;42683
7; 1256.0; 29-APR-2010 22:26:00; Dark ; 77.0; 16; 21Alp Sco ; 1.02; 3000;occ; 154; 0;42683
8; 1394.7; 29-APR-2010 22:28:19; Dark ; 61.0; 80; 7Del Sco ; 2.32; 30000;occ; 122; 0;42683
9; 1588.3; 29-APR-2010 22:31:32; Bright; 47.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 94; 0;42683
10; 1729.7; 29-APR-2010 22:33:54; Bright; 48.5; 104; 27Bet Lib ; 2.61; 13100;occ; 97; 0;42683
11; 2236.5; 29-APR-2010 22:42:20; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;42683
12; 2465.4; 29-APR-2010 22:46:09; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;42683
13; 2644.7; 29-APR-2010 22:49:09; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42683
14; 2774.7; 29-APR-2010 22:51:19; Bright; 40.5; 39; 85Eta UMa ; 1.85; 24000;occ; 81; 0;42683
15; 3221.6; 29-APR-2010 22:58:45; Bright; 46.0; 119; 14Eta Dra ; 2.73; 4700;occ; 92; 0;42683
16; 3833.4; 29-APR-2010 23:08:57; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42683
17; 4146.2; 29-APR-2010 23:14:10; Bright; 59.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 118; 0;42683
18; 4505.5; 29-APR-2010 23:20:09; Bright; 47.0; 164; 44Eta Peg ; 2.95; 5400;occ; 94; 0;42683
19; 4768.3; 29-APR-2010 23:24:32; Dark ; 43.0; 90; 54Alp Peg ; 2.49; 11000;occ; 86; 0;42683
20; 5017.8; 29-APR-2010 23:28:42; Dark ; 65.5; 61; 8Eps Peg ; 2.10; 3900;occ; 131; 0;42683
21; 5164.5; 29-APR-2010 23:31:08; Dark ; 55.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 110; 0;42683
22; 5380.2; 29-APR-2010 23:34:44; Dark ; 53.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 106; 0;42683
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2; -1531.8; 29-APR-2010 06:34:09; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;42673
3; -1270.3; 29-APR-2010 06:38:30; Dark ; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;42673
4; -878.8; 29-APR-2010 06:45:02; Dark ; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;42673
5; -544.5; 29-APR-2010 06:50:36; Dark ; 50.5; 142; 49Del Cap ; 2.85; 8900;occ; 101; 0;42673
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8; 163.6; 29-APR-2010 07:02:24; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42674
9; 618.8; 29-APR-2010 07:09:59; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42674
10; 723.0; 29-APR-2010 07:11:43; Dark ; 58.5; 40; The Sco ; 1.86; 7100;occ; 117; 0;42674
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3; 2649.0; 29-APR-2010 07:43:50; Bright; 42.5; 180; 27Gam Boo ; 3.04; 8000;occ; 85; 0;42674
4; 2777.1; 29-APR-2010 07:45:58; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;42674
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7; 3836.2; 29-APR-2010 08:03:37; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;42674
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9; 4766.0; 29-APR-2010 08:19:07; Dark ; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;42674
10; 5157.7; 29-APR-2010 08:25:38; Dark ; 55.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 111; 0;42674
11; 5492.0; 29-APR-2010 08:31:13; Dark ; 51.0; 142; 49Del Cap ; 2.85; 8900;occ; 102; 0;42674
12; 5652.9; 29-APR-2010 08:33:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42674
13; 5778.1; 29-APR-2010 08:35:59; Dark ; 40.5; 172; Gam Gru ; 3.00; 13100;occ; 81; 0;42674
14; 6200.3; 29-APR-2010 08:43:01; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;42675
15; 6655.4; 29-APR-2010 08:50:36; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42675
16; 6759.9; 29-APR-2010 08:52:20; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;42675
17; 7158.2; 29-APR-2010 08:58:59; Dark ; 38.5; 81; Eta Cen ; 2.36; 28000;occ; 77; 0;42675
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2; 2469.9; 29-APR-2010 09:21:26; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;42675
3; 2648.5; 29-APR-2010 09:24:25; Bright; 43.5; 180; 27Gam Boo ; 3.04; 8000;occ; 87; 0;42675
4; 2776.8; 29-APR-2010 09:26:33; Bright; 40.0; 39; 85Eta UMa ; 1.85; 24000;occ; 80; 0;42675
5; 2854.0; 29-APR-2010 09:27:50; Bright; 37.0; 55; 79Zet UMa ; 2.06; 10200;occ; 74; 0;42675
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