

# GOMOS Daily Report 01-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	04APR2010 04:51:35
Data source version	GOMOS/5.00L04
Start time of products	01APR2010 00:02:04
Stop time of products	01APR2010 23:56:57
Store outputs in DB	Yes
Nb of level 1b prods	130
Nb of prods with errors	0

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

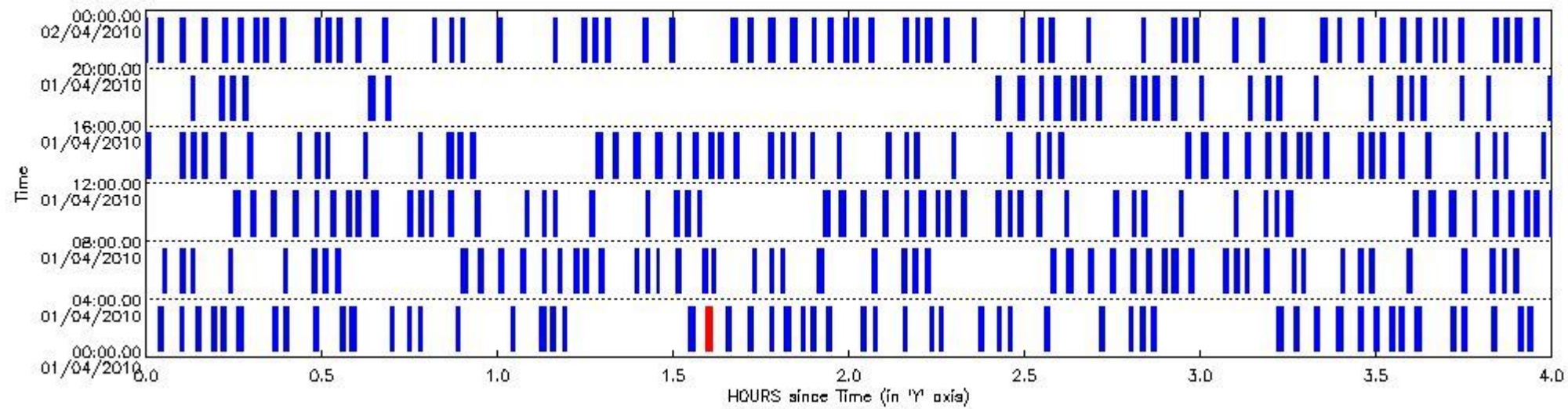
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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)

UTC start time	Star name	Star ID	Orbit
01-APR-2010 01:35:25	34SigSgr	57	42269

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

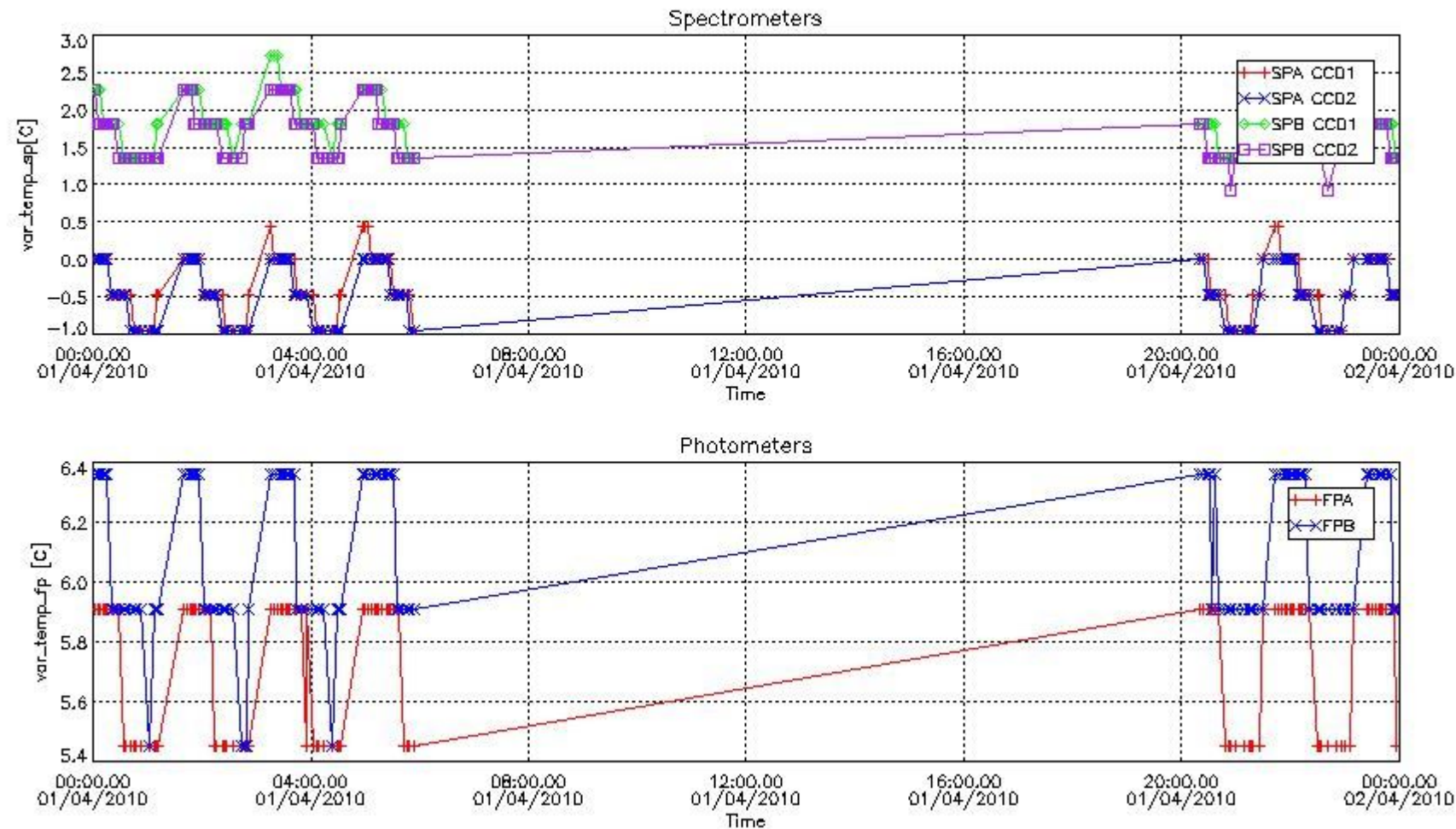
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100401_000204_000000512088_00131_42269_0817.N1	01-APR-2010 00:02:04	Dark	51.000	40	The Sco	1.8590	7100.0	102	42269	No
2	GOM_TRA_1PNPDE20100401_000547_000000382088_00131_42269_0818.N1	01-APR-2010 00:05:47	Dark	38.000	134	Bet TrA	2.8100	6600.0	76	42269	No
3	GOM_TRA_1PNPDE20100401_000826_000000552088_00131_42269_0819.N1	01-APR-2010 00:08:26	Dark	55.000	4	Alp1Cen	-0.010000	5800.0	110	42269	No
4	GOM_TRA_1PNPDE20100401_001110_000000452088_00131_42269_0820.N1	01-APR-2010 00:11:10	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	42269	No
5	GOM_TRA_1PNPDE20100401_001246_000000482088_00131_42269_0821.N1	01-APR-2010 00:12:46	Straylight	47.500	81	Eta Cen	2.3560	28000.	95	42269	No
6	GOM_TRA_1PNPDE20100401_001531_000000522088_00131_42269_0822.N1	01-APR-2010 00:15:31	Straylight	51.500	54	5The Cen	2.0550	4500.0	103	42269	No
7	GOM_TRA_1PNPDE20100401_002132_000000452088_00131_42269_0823.N1	01-APR-2010 00:21:32	Twilight_stray	44.500	106	9Bet Crv	2.6480	5600.0	89	42269	No
8	GOM_TRA_1PNPDE20100401_002330_000000422088_00131_42269_0824.N1	01-APR-2010 00:23:30	Twilight_stray	42.000	100	4Gam Crv	2.5800	13100.	84	42269	No
9	GOM_TRA_1PNPDE20100401_002835_000000442088_00131_42269_0825.N1	01-APR-2010 00:28:35	Bright	43.500	121	29Gam Vir	2.7400	7200.0	87	42269	No
10	GOM_TRA_1PNPDE20100401_003313_000000402088_00131_42269_0826.N1	01-APR-2010 00:33:13	Bright	40.000	62	94Bet Leo	2.1360	9700.0	80	42269	No

11	GOM_TRA_1PNPDE20100401_003449_000000532088_00131_42269_0827.N1	01-APR-2010 00:34:49	Bright	53.000	96	68Del Leo	2.5600	9300.0	106	42269	No
12	GOM_TRA_1PNPDE20100401_004139_000000352088_00131_42269_0828.N1	01-APR-2010 00:41:39	Bright	34.500	174	52Psi UMa	3.0040	4400.0	69	42269	No
13	GOM_TRA_1PNPDE20100401_004441_000000372088_00131_42269_0829.N1	01-APR-2010 00:44:41	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	42269	No
14	GOM_TRA_1PNPDE20100401_004630_000000402088_00131_42269_0830.N1	01-APR-2010 00:46:30	Bright	39.500	36	50Alp UMa	1.8000	6300.0	79	42269	No
15	GOM_TRA_1PNPDE20100401_005251_000000432088_00131_42269_0831.N1	01-APR-2010 00:52:51	Bright	42.500	60	7Bet UMi	2.0810	3950.0	85	42269	No
16	GOM_TRA_1PNPDE20100401_010215_000000382088_00131_42269_0832.N1	01-APR-2010 01:02:15	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	42269	No
17	GOM_TRA_1PNPDE20100401_010712_000000672088_00131_42269_0833.N1	01-APR-2010 01:07:12	Bright	67.000	144	18Del Cyg	2.8600	11000.	134	42269	No
18	GOM_TRA_1PNPDE20100401_010905_000000522088_00131_42269_0834.N1	01-APR-2010 01:09:05	Bright	51.500	66	37Gam Cyg	2.2080	5900.0	103	42269	No
19	GOM_TRA_1PNPDE20100401_011106_000000422088_00131_42269_0835.N1	01-APR-2010 01:11:06	Bright	42.000	92	53Eps Cyg	2.5000	4500.0	84	42269	No
20	GOM_TRA_1PNPDE20100401_013853_000000572088_00132_42270_0831.N1	01-APR-2010 01:38:53	Dark	57.000	38	20Eps Sgr	1.8360	11000.	114	42270	No
21	GOM_TRA_1PNPDE20100401_014241_000000522088_00132_42270_0832.N1	01-APR-2010 01:42:41	Dark	51.500	40	The Sco	1.8590	7100.0	103	42270	No
22	GOM_TRA_1PNPDE20100401_014623_000000372088_00132_42270_0833.N1	01-APR-2010 01:46:23	Dark	37.000	134	Bet TrA	2.8100	6600.0	74	42270	No
23	GOM_TRA_1PNPDE20100401_014902_000000552088_00132_42270_0834.N1	01-APR-2010 01:49:02	Dark	54.500	4	Alp1Cen	-0.010000	5800.0	109	42270	No
24	GOM_TRA_1PNPDE20100401_015146_000000462088_00132_42270_0835.N1	01-APR-2010 01:51:46	Straylight	45.500	78	Alp Lup	2.3040	28000.	91	42270	No
25	GOM_TRA_1PNPDE20100401_015323_000000482088_00132_42270_0836.N1	01-APR-2010 01:53:23	Straylight	48.000	81	Eta Cen	2.3560	28000.	96	42270	No
26	GOM_TRA_1PNPDE20100401_015607_000000522088_00132_42270_0837.N1	01-APR-2010 01:56:07	Straylight	51.500	54	5The Cen	2.0550	4500.0	103	42270	No
27	GOM_TRA_1PNPDE20100401_020208_000000472088_00132_42270_0838.N1	01-APR-2010 02:02:08	Twilight_stray	46.500	106	9Bet Crv	2.6480	5600.0	93	42270	No
28	GOM_TRA_1PNPDE20100401_020406_000000422088_00132_42270_0839.N1	01-APR-2010 02:04:06	Twilight_stray	41.500	100	4Gam Crv	2.5800	13100.	83	42270	No
29	GOM_TRA_1PNPDE20100401_020911_000000452088_00132_42270_0840.N1	01-APR-2010 02:09:11	Bright	45.000	121	29Gam Vir	2.7400	7200.0	90	42270	No
30	GOM_TRA_1PNPDE20100401_021349_000000392088_00132_42270_0841.N1	01-APR-2010 02:13:49	Bright	38.500	62	94Bet Leo	2.1360	9700.0	77	42270	No
31	GOM_TRA_1PNPDE20100401_021525_000000372088_00132_42270_0842.N1	01-APR-2010 02:15:25	Bright	37.000	96	68Del Leo	2.5600	9300.0	74	42270	No
32	GOM_TRA_1PNPDE20100401_022215_000000372088_00132_42270_0843.N1	01-APR-2010 02:22:15	Bright	36.500	174	52Psi UMa	3.0040	4400.0	73	42270	No
33	GOM_TRA_1PNPDE20100401_022517_000000372088_00132_42270_0844.N1	01-APR-2010 02:25:17	Bright	37.000	87	64Gam UMa	2.4330	11000.	74	42270	No
34	GOM_TRA_1PNPDE20100401_022706_000000362088_00132_42270_0845.N1	01-APR-2010 02:27:06	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	42270	No
35	GOM_TRA_1PNPDE20100401_023326_000000382088_00132_42270_0846.N1	01-APR-2010 02:33:26	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	42270	No
36	GOM_TRA_1PNPDE20100401_024250_000000392088_00132_42270_0854.N1	01-APR-2010 02:42:50	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	42270	No
37	GOM_TRA_1PNPDE20100401_024748_000000442088_00132_42270_0855.N1	01-APR-2010 02:47:48	Bright	43.500	144	18Del Cyg	2.8600	11000.	87	42270	No
38	GOM_TRA_1PNPDE20100401_024941_000000452088_00132_42270_0856.N1	01-APR-2010 02:49:41	Bright	44.500	66	37Gam Cyg	2.2080	5900.0	89	42270	No
39	GOM_TRA_1PNPDE20100401_025142_000000452088_00132_42270_0857.N1	01-APR-2010 02:51:42	Bright	45.000	92	53Eps Cyg	2.5000	4500.0	90	42270	No
40	GOM_TRA_1PNPDE20100401_031556_000000562088_00132_42270_0858.N1	01-APR-2010 03:15:56	Dark	55.500	57	34Sig Sgr	2.0660	26000.	111	42270	No
41	GOM_TRA_1PNPDE20100401_031930_000000542088_00133_42271_0859.N1	01-APR-2010 03:19:30	Dark	53.500	38	20Eps Sgr	1.8360	11000.	107	42271	No
42	GOM_TRA_1PNPDE20100401_032318_000000522088_00133_42271_0860.N1	01-APR-2010 03:23:18	Dark	51.500	40	The Sco	1.8590	7100.0	103	42271	No
43	GOM_TRA_1PNPDE20100401_032700_000000412088_00133_42271_0861.N1	01-APR-2010 03:27:00	Dark	40.500	134	Bet TrA	2.8100	6600.0	81	42271	No
44	GOM_TRA_1PNPDE20100401_032938_000000532088_00133_42271_0862.N1	01-APR-2010 03:29:38	Dark	52.500	4	Alp1Cen	-0.010000	5800.0	105	42271	No
45	GOM_TRA_1PNPDE20100401_033223_000000452088_00133_42271_0863.N1	01-APR-2010 03:32:23	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	42271	No
46	GOM_TRA_1PNPDE20100401_033359_000000502088_00133_42271_0864.N1	01-APR-2010 03:33:59	Straylight	50.000	81	Eta Cen	2.3560	28000.	100	42271	No
47	GOM_TRA_1PNPDE20100401_033644_000000532088_00133_42271_0865.N1	01-APR-2010 03:36:44	Straylight	53.000	54	5The Cen	2.0550	4500.0	106	42271	No
48	GOM_TRA_1PNPDE20100401_034244_000000482088_00133_42271_0866.N1	01-APR-2010 03:42:44	Twilight_stray	47.500	106	9Bet Crv	2.6480	5600.0	95	42271	No
49	GOM_TRA_1PNPDE20100401_034442_000000442088_00133_42271_0867.N1	01-APR-2010 03:44:42	Twilight_stray	43.500	100	4Gam Crv	2.5800	13100.	87	42271	No
50	GOM_TRA_1PNPDE20100401_034947_000000452088_00133_42271_0868.N1	01-APR-2010 03:49:47	Bright	44.500	121	29Gam Vir	2.7400	7200.0	89	42271	No
51	GOM_TRA_1PNPDE20100401_035425_000000382088_00133_42271_0869.N1	01-APR-2010 03:54:25	Bright	38.000	62	94Bet Leo	2.1360	9700.0	76	42271	No
52	GOM_TRA_1PNPDE20100401_035601_000000372088_00133_42271_0870.N1	01-APR-2010 03:56:01	Bright	37.000	96	68Del Leo	2.5600	9300.0	74	42271	No
53	GOM_TRA_1PNPDE20100401_040250_000000382088_00133_42271_0871.N1	01-APR-2010 04:02:50	Bright	37.500	174	52Psi UMa	3.0040	4400.0	75	42271	No
54	GOM_TRA_1PNPDE20100401_040552_000000382088_00133_42271_0872.N1	01-APR-2010 04:05:52	Bright	38.000	87	64Gam UMa	2.4330	11000.	76	42271	No
55	GOM_TRA_1PNPDE20100401_040742_000000372088_00133_42271_0873.N1	01-APR-2010 04:07:42	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	42271	No
56	GOM_TRA_1PNPDE20100401_041402_000000432088_00133_42271_0874.N1	01-APR-2010 04:14:02	Bright	43.000	60	7Bet UMi	2.0810	3950.0	86	42271	No
57	GOM_TRA_1PNPDE20100401_042326_000000382088_00133_42271_0880.N1	01-APR-2010 04:23:26	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	42271	No
58	GOM_TRA_1PNPDE20100401_042824_000000472088_00133_42271_0881.N1	01-APR-2010 04:28:24	Bright	46.500	144	18Del Cyg	2.8600	11000.	93	42271	No
59	GOM_TRA_1PNPDE20100401_043017_000000452088_00133_42271_0882.N1	01-APR-2010 04:30:17	Bright	44.500	66	37Gam Cyg	2.2080	5900.0	89	42271	No
60	GOM_TRA_1PNPDE20100401_043218_000000452088_00133_42271_0883.N1	01-APR-2010 04:32:18	Bright	45.000	92	53Eps Cyg	2.5000	4500.0	90	42271	No
61	GOM_TRA_1PNPDE20100401_045633_000000562088_00133_42271_0884.N1	01-APR-2010 04:56:33	Dark	55.500	57	34Sig Sgr	2.0660	26000.	111	42271	No
62	GOM_TRA_1PNPDE20100401_050008_000000562088_00134_42272_0885.N1	01-APR-2010 05:00:08	Dark	55.500	38	20Eps Sgr	1.8360	11000.	111	42272	No
63	GOM_TRA_1PNPDE20100401_050356_000000532088_00134_42272_0886.N1	01-APR-2010 05:03:56	Dark	53.000	40	The Sco	1.8590	7100.0	106	42272	No
64	GOM_TRA_1PNPDE20100401_050736_000000412088_00134_42272_0887.N1	01-APR-2010 05:07:36	Dark	40.500	134	Bet TrA	2.8100	6600.0	81	42272	No
65	GOM_TRA_1PNPDE20100401_051015_000000412088_00134_42272_0888.N1	01-APR-2010 05:10:15	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	42272	No
66	GOM_TRA_1PNPDE20100401_051300_000000452088_00134_42272_0889.N1	01-APR-2010 05:13:00	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	42272	No
67	GOM_TRA_1PNPDE20100401_051436_000000472088_00134_42272_0890.N1	01-APR-2010 05:14:36	Straylight	47.000	81	Eta Cen	2.3560	28000.	94	42272	No
68	GOM_TRA_1PNPDE20100401_051720_000000532088_00134_42272_0891.N1	01-APR-2010 05:17:20	Straylight	52.500	54	5The Cen	2.0550	4500.0	105	42272	No
69	GOM_TRA_1PNPDE20100401_052320_000000472088_00134_42272_0892.N1	01-APR-2010 05:23:20	Twilight_stray	46.500	106	9Bet Crv	2.6480	5600.0	93	42272	No

70	GOM_TRA_1PNPDE20100401_052518_000000432088_00134_42272_0893.N1	01-APR-2010 05:25:18	Twilight	42.500	100	4Gam Crv	2.5800	13100.	85	42272	No
71	GOM_TRA_1PNPDE20100401_052708_000000292088_00134_42272_0894.N1	01-APR-2010 05:27:08	Twilight	29.000	15	67Alp Vir	0.97600	28000.	58	42272	No
72	GOM_TRA_1PNPDE20100401_053023_000000462088_00134_42272_0895.N1	01-APR-2010 05:30:23	Bright	45.500	121	29Gam Vir	2.7400	7200.0	91	42272	No
73	GOM_TRA_1PNPDE20100401_053501_000000402088_00134_42272_0896.N1	01-APR-2010 05:35:01	Bright	39.500	62	94Bet Leo	2.1360	9700.0	79	42272	No
74	GOM_TRA_1PNPDE20100401_053637_000000362088_00134_42272_0897.N1	01-APR-2010 05:36:37	Bright	36.000	96	68Del Leo	2.5600	9300.0	72	42272	No
75	GOM_TRA_1PNPDE20100401_054326_000000382088_00134_42272_0898.N1	01-APR-2010 05:43:26	Bright	38.000	174	52Psi UMa	3.0040	4400.0	76	42272	No
76	GOM_TRA_1PNPDE20100401_054628_000000372088_00134_42272_0899.N1	01-APR-2010 05:46:28	Bright	37.000	87	64Gam UMa	2.4330	11000.	74	42272	No
77	GOM_TRA_1PNPDE20100401_054818_000000382088_00134_42272_0900.N1	01-APR-2010 05:48:18	Bright	38.000	36	50Alp UMa	1.8000	6300.0	76	42272	No
78	GOM_TRA_1PNPDE20100401_055438_000000582088_00134_42272_0901.N1	01-APR-2010 05:54:38	Bright	57.500	60	7Bet UMi	2.0810	3950.0	115	42272	No
79	GOM_TRA_1PNPDE20100401_202005_000000472088_00143_42281_0994.N1	01-APR-2010 20:20:05	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	42281	No
80	GOM_TRA_1PNPDE20100401_202248_000000502088_00143_42281_0995.N1	01-APR-2010 20:22:48	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	42281	No
81	GOM_TRA_1PNPDE20100401_202846_000000452088_00143_42281_0996.N1	01-APR-2010 20:28:46	Twilight	45.000	106	9Bet Crv	2.6480	5600.0	90	42281	No
82	GOM_TRA_1PNPDE20100401_203043_000000422088_00143_42281_0997.N1	01-APR-2010 20:30:43	Twilight	41.500	100	4Gam Crv	2.5800	13100.	83	42281	No
83	GOM_TRA_1PNPDE20100401_203231_000000542088_00143_42281_0998.N1	01-APR-2010 20:32:31	Bright	54.000	15	67Alp Vir	0.97600	28000.	108	42281	No
84	GOM_TRA_1PNPDE20100401_203546_000000442088_00143_42281_0999.N1	01-APR-2010 20:35:46	Bright	44.000	121	29Gam Vir	2.7400	7200.0	88	42281	No
85	GOM_TRA_1PNPDE20100401_204023_000000392088_00143_42281_1000.N1	01-APR-2010 20:40:23	Bright	38.500	62	94Bet Leo	2.1360	9700.0	77	42281	No
86	GOM_TRA_1PNPDE20100401_204849_000000372088_00143_42281_1001.N1	01-APR-2010 20:48:49	Bright	37.000	174	52Psi UMa	3.0040	4400.0	74	42281	No
87	GOM_TRA_1PNPDE20100401_205149_000000382088_00143_42281_1002.N1	01-APR-2010 20:51:49	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	42281	No
88	GOM_TRA_1PNPDE20100401_205343_000000362088_00143_42281_1003.N1	01-APR-2010 20:53:43	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	42281	No
89	GOM_TRA_1PNPDE20100401_205958_000000372088_00143_42281_1004.N1	01-APR-2010 20:59:58	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	42281	No
90	GOM_TRA_1PNPDE20100401_210925_000000372088_00143_42281_1005.N1	01-APR-2010 21:09:25	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	42281	No
91	GOM_TRA_1PNPDE20100401_211421_000000472088_00143_42281_1006.N1	01-APR-2010 21:14:21	Bright	47.000	144	18Del Cyg	2.8600	11000.	94	42281	No
92	GOM_TRA_1PNPDE20100401_211616_000000472088_00143_42281_1007.N1	01-APR-2010 21:16:16	Bright	46.500	66	37Gam Cyg	2.2080	5900.0	93	42281	No
93	GOM_TRA_1PNPDE20100401_211819_000000452088_00143_42281_1008.N1	01-APR-2010 21:18:19	Bright	45.000	92	53Eps Cyg	2.5000	4500.0	90	42281	No
94	GOM_TRA_1PNPDE20100401_212453_000000482088_00143_42281_1009.N1	01-APR-2010 21:24:53	Twilight	47.500	61	8Eps Peg	2.1000	3900.0	95	42281	No
95	GOM_TRA_1PNPDE20100401_212929_000000432088_00143_42281_1010.N1	01-APR-2010 21:29:29	Dark	43.000	154	22Bet Aqr	2.8990	5700.0	86	42281	No
96	GOM_TRA_1PNPDE20100401_214247_000000422088_00143_42281_1016.N1	01-APR-2010 21:42:47	Dark	42.000	57	34Sig Sgr	2.0660	26000.	84	42281	No
97	GOM_TRA_1PNPDE20100401_214620_000000562088_00144_42282_1017.N1	01-APR-2010 21:46:20	Dark	56.000	38	20Eps Sgr	1.8360	11000.	112	42282	No
98	GOM_TRA_1PNPDE20100401_215006_000000512088_00144_42282_1018.N1	01-APR-2010 21:50:06	Dark	50.500	40	The Sco	1.8590	7100.0	101	42282	No
99	GOM_TRA_1PNPDE20100401_215341_000000402088_00144_42282_1019.N1	01-APR-2010 21:53:41	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	42282	No
100	GOM_TRA_1PNPDE20100401_215619_000000532088_00144_42282_1020.N1	01-APR-2010 21:56:19	Dark	53.000	4	Alp1Cen	-0.010000	5800.0	106	42282	No
101	GOM_TRA_1PNPDE20100401_215905_000000482088_00144_42282_1021.N1	01-APR-2010 21:59:05	Straylight	48.000	78	Alp Lup	2.3040	28000.	96	42282	No
102	GOM_TRA_1PNPDE20100401_220041_000000482088_00144_42282_1022.N1	01-APR-2010 22:00:41	Straylight	48.000	81	Eta Cen	2.3560	28000.	96	42282	No
103	GOM_TRA_1PNPDE20100401_220324_000000532088_00144_42282_1023.N1	01-APR-2010 22:03:24	Straylight	53.000	54	5The Cen	2.0550	4500.0	106	42282	No
104	GOM_TRA_1PNPDE20100401_220921_000000472088_00144_42282_1024.N1	01-APR-2010 22:09:21	Twilight	46.500	106	9Bet Crv	2.6480	5600.0	93	42282	No
105	GOM_TRA_1PNPDE20100401_221119_000000432088_00144_42282_1025.N1	01-APR-2010 22:11:19	Twilight	43.000	100	4Gam Crv	2.5800	13100.	86	42282	No
106	GOM_TRA_1PNPDE20100401_221307_000000602088_00144_42282_1026.N1	01-APR-2010 22:13:07	Bright	59.500	15	67Alp Vir	0.97600	28000.	119	42282	No
107	GOM_TRA_1PNPDE20100401_221621_000000442088_00144_42282_1027.N1	01-APR-2010 22:16:21	Bright	44.000	121	29Gam Vir	2.7400	7200.0	88	42282	No
108	GOM_TRA_1PNPDE20100401_222059_000000412088_00144_42282_1028.N1	01-APR-2010 22:20:59	Bright	40.500	62	94Bet Leo	2.1360	9700.0	81	42282	No
109	GOM_TRA_1PNPDE20100401_222925_000000372088_00144_42282_1029.N1	01-APR-2010 22:29:25	Bright	36.500	174	52Psi UMa	3.0040	4400.0	73	42282	No
110	GOM_TRA_1PNPDE20100401_223225_000000382088_00144_42282_1030.N1	01-APR-2010 22:32:25	Bright	38.000	87	64Gam UMa	2.4330	11000.	76	42282	No
111	GOM_TRA_1PNPDE20100401_223414_000000432088_00144_42282_1031.N1	01-APR-2010 22:34:14	Bright	43.000	32	77Eps UMa	1.7630	11000.	86	42282	No
112	GOM_TRA_1PNPDE20100401_224034_000000372088_00144_42282_1032.N1	01-APR-2010 22:40:34	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	42282	No
113	GOM_TRA_1PNPDE20100401_225001_000000362088_00144_42282_1033.N1	01-APR-2010 22:50:01	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	42282	No
114	GOM_TRA_1PNPDE20100401_225512_000000422088_00144_42282_1034.N1	01-APR-2010 22:55:12	Bright	42.000	19	50Alp Cyg	1.2460	10500.	84	42282	No
115	GOM_TRA_1PNPDE20100401_225652_000000472088_00144_42282_1035.N1	01-APR-2010 22:56:52	Bright	46.500	66	37Gam Cyg	2.2080	5900.0	93	42282	No
116	GOM_TRA_1PNPDE20100401_225855_000000442088_00144_42282_1036.N1	01-APR-2010 22:58:55	Bright	44.000	92	53Eps Cyg	2.5000	4500.0	88	42282	No
117	GOM_TRA_1PNPDE20100401_230529_000000472088_00144_42282_1037.N1	01-APR-2010 23:05:29	Twilight	46.500	61	8Eps Peg	2.1000	3900.0	93	42282	No
118	GOM_TRA_1PNPDE20100401_231006_000000422088_00144_42282_1038.N1	01-APR-2010 23:10:06	Dark	41.500	154	22Bet Aqr	2.8990	5700.0	83	42282	No
119	GOM_TRA_1PNPDE20100401_232323_000000362088_00144_42282_1040.N1	01-APR-2010 23:23:23	Dark	36.000	57	34Sig Sgr	2.0660	26000.	72	42282	No
120	GOM_TRA_1PNPDE20100401_232658_000000552088_00145_42283_1041.N1	01-APR-2010 23:26:58	Dark	55.000	38	20Eps Sgr	1.8360	11000.	110	42283	No
121	GOM_TRA_1PNPDE20100401_233043_000000532088_00145_42283_1042.N1	01-APR-2010 23:30:43	Dark	52.500	40	The Sco	1.8590	7100.0	105	42283	No
122	GOM_TRA_1PNPDE20100401_233417_000000402088_00145_42283_1043.N1	01-APR-2010 23:34:17	Dark	40.000	134	Bet TrA	2.8100	6600.0	80	42283	No
123	GOM_TRA_1PNPDE20100401_233655_000000452088_00145_42283_1044.N1	01-APR-2010 23:36:55	Dark	44.500	4	Alp1Cen	-0.010000	5800.0	89	42283	No
124	GOM_TRA_1PNPDE20100401_233941_000000462088_00145_42283_1045.N1	01-APR-2010 23:39:41	Straylight	46.000	78	Alp Lup	2.3040	28000.	92	42283	No
125	GOM_TRA_1PNPDE20100401_234118_000000472088_00145_42283_1046.N1	01-APR-2010 23:41:18	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	42283	No
126	GOM_TRA_1PNPDE20100401_234401_000000542088_00145_42283_1047.N1	01-APR-2010 23:44:01	Straylight	53.500	54	5The Cen	2.0550	4500.0	107	42283	No
127	GOM_TRA_1PNPDE20100401_234958_000000462088_00145_42283_1048.N1	01-APR-2010 23:49:58	Twilight	45.500	106	9Bet Crv	2.6480	5600.0	91	42283	No
128	GOM_TRA_1PNPDE20100401_235155_000000452088_00145_42283_1049.N1	01-APR-2010 23:51:55	Twilight	44.500	100	4Gam Crv	2.5800	13100.	89	42283	No

129	GOM_TRA_1PNPDE20100401_235343_000000602088_00145_42283_1050.N1	01-APR-2010 23:53:43	Bright	60.000	15	67Alp Vir	0.97600	28000.	120	42283	No
130	GOM_TRA_1PNPDE20100401_235657_000000452088_00145_42283_1051.N1	01-APR-2010 23:56:57	Bright	45.000	121	29Gam Vir	2.7400	7200.0	90	42283	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).

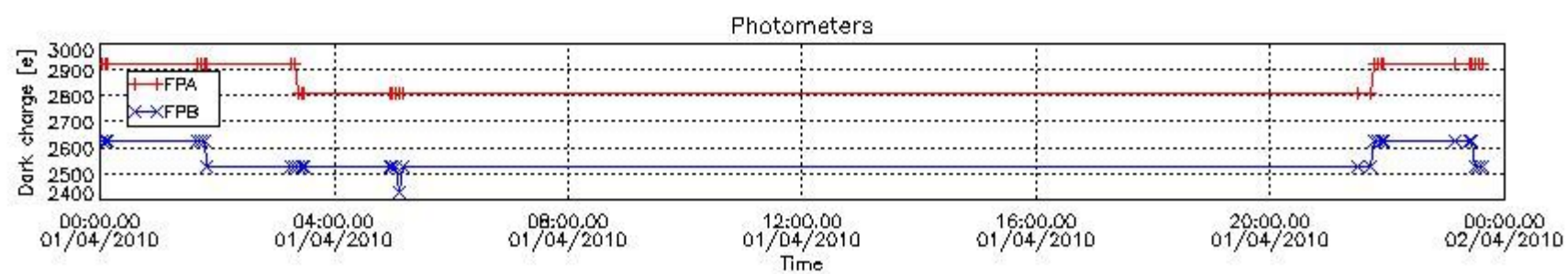
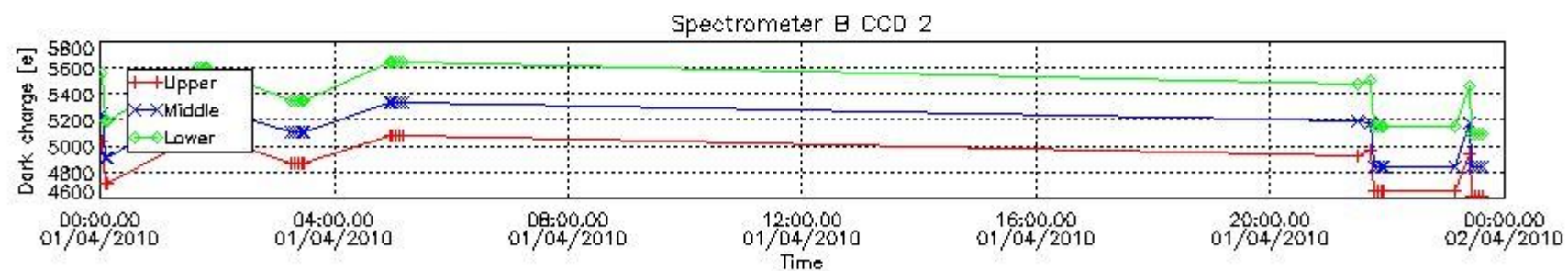
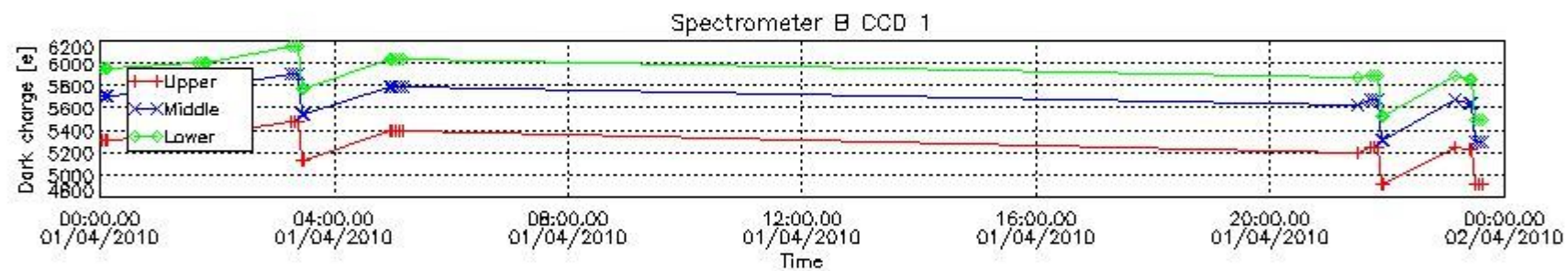
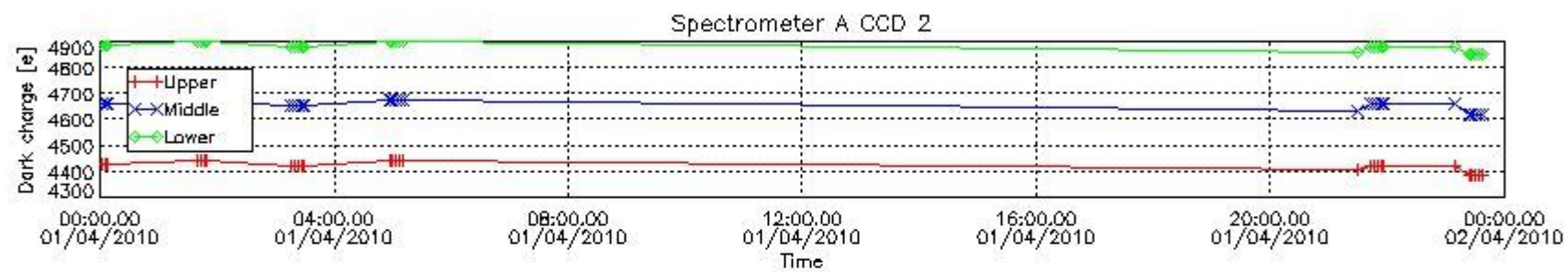
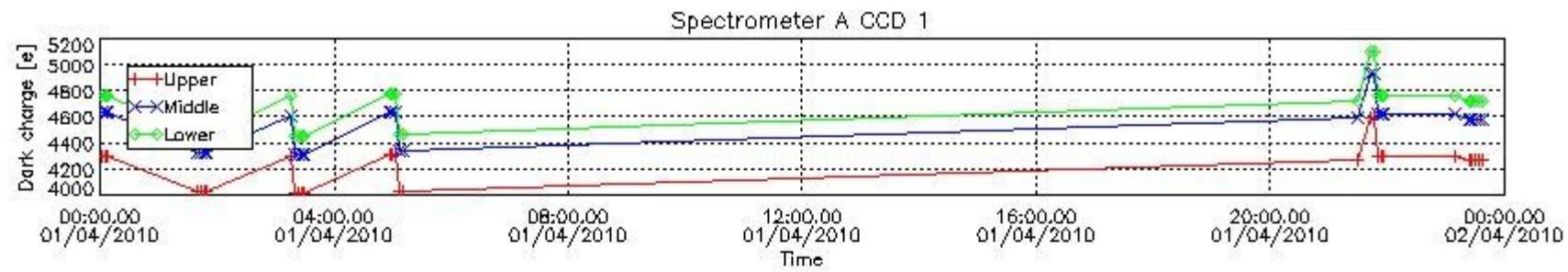
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100401_202005_000000472088_00143_42281_0994.N1	DC map used
GOM_TRA_1PNPDE20100401_202248_000000502088_00143_42281_0995.N1	DC map used
GOM_TRA_1PNPDE20100401_202846_000000452088_00143_42281_0996.N1	DC map used
GOM_TRA_1PNPDE20100401_203043_000000422088_00143_42281_0997.N1	DC map used
GOM_TRA_1PNPDE20100401_203231_000000542088_00143_42281_0998.N1	DC map used
GOM_TRA_1PNPDE20100401_203546_000000442088_00143_42281_0999.N1	DC map used
GOM_TRA_1PNPDE20100401_204023_000000392088_00143_42281_1000.N1	DC map used
GOM_TRA_1PNPDE20100401_204849_000000372088_00143_42281_1001.N1	DC map used

GOM_TRA_1PNPDE20100401_205149_000000382088_00143_42281_1002.N1	DC map used
GOM_TRA_1PNPDE20100401_205343_000000362088_00143_42281_1003.N1	DC map used
GOM_TRA_1PNPDE20100401_205958_000000372088_00143_42281_1004.N1	DC map used
GOM_TRA_1PNPDE20100401_210925_000000372088_00143_42281_1005.N1	DC map used
GOM_TRA_1PNPDE20100401_211421_000000472088_00143_42281_1006.N1	DC map used
GOM_TRA_1PNPDE20100401_211616_000000472088_00143_42281_1007.N1	DC map used
GOM_TRA_1PNPDE20100401_211819_000000452088_00143_42281_1008.N1	DC map used
GOM_TRA_1PNPDE20100401_212453_000000482088_00143_42281_1009.N1	DC map used
GOM_TRA_1PNPDE20100401_212929_000000432088_00143_42281_1010.N1	DC map used

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



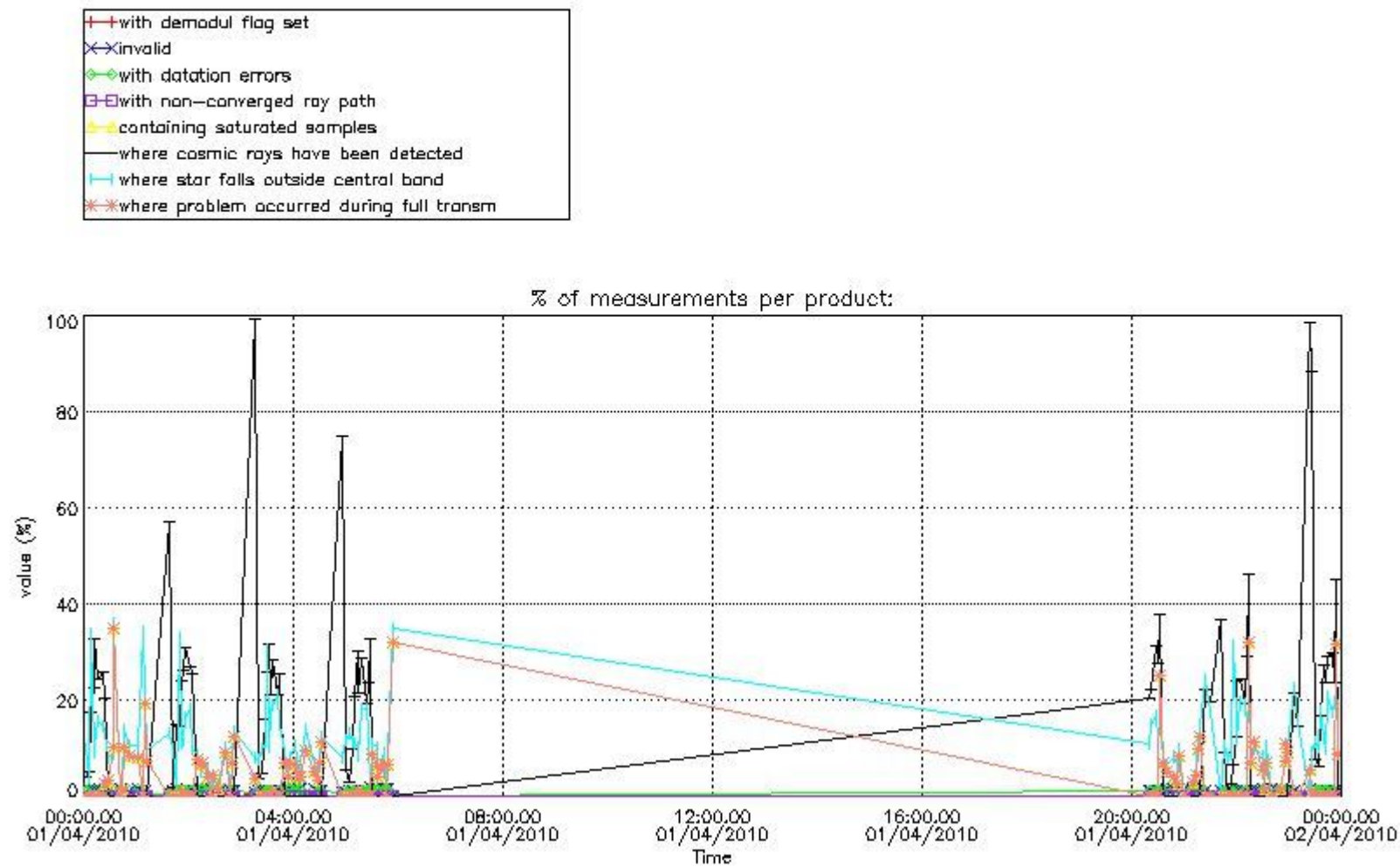
## 5. Demodulation flag and quality information monitoring

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.

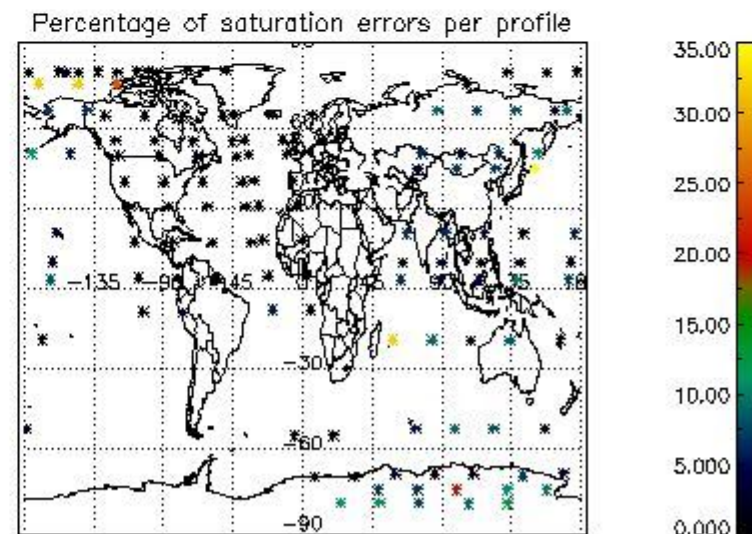
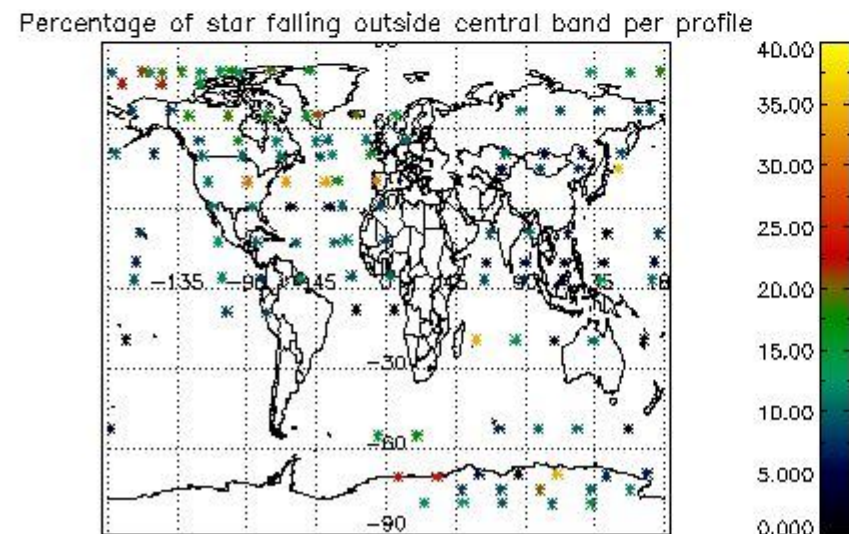
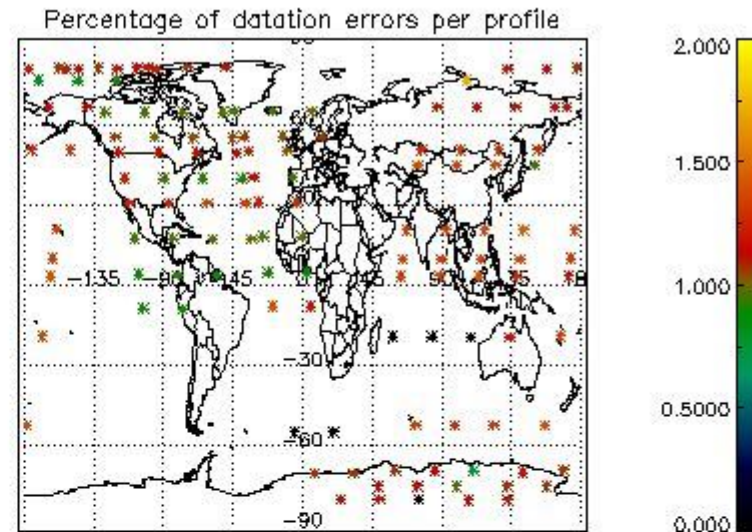
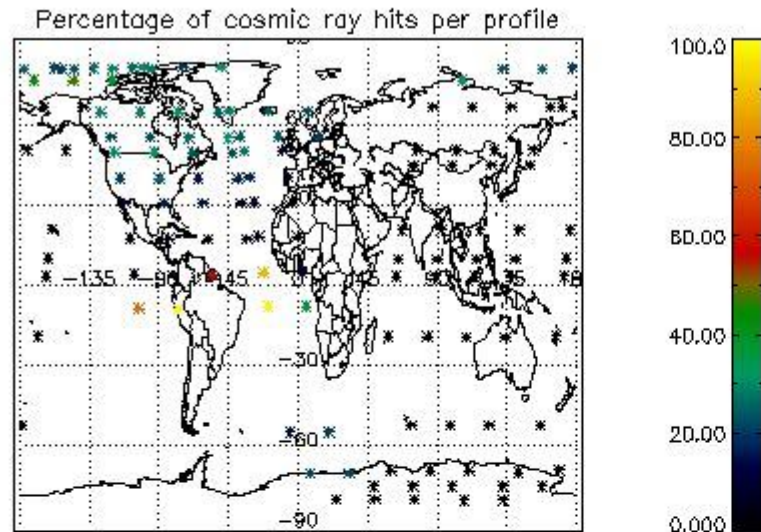
### 5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	39.2308 %
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)

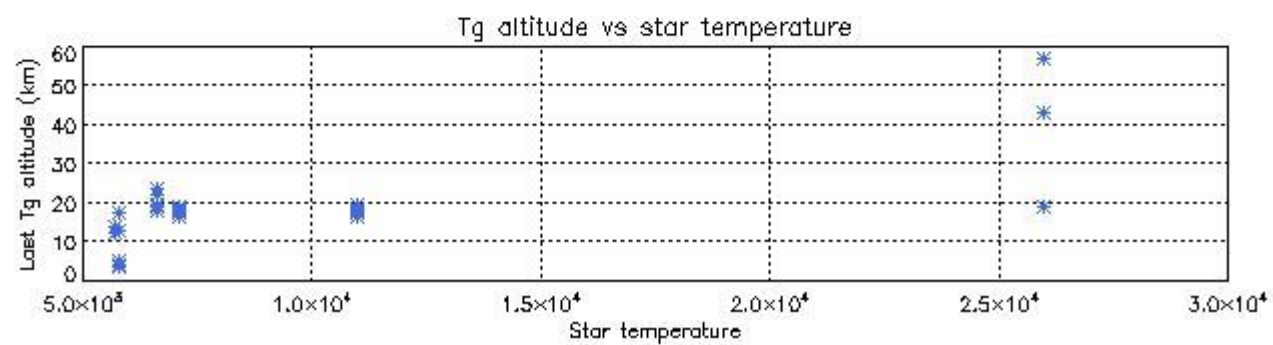
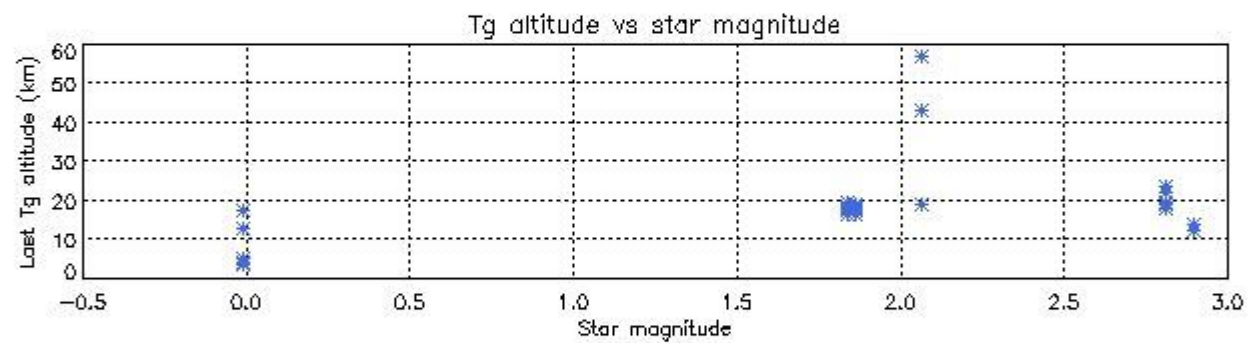
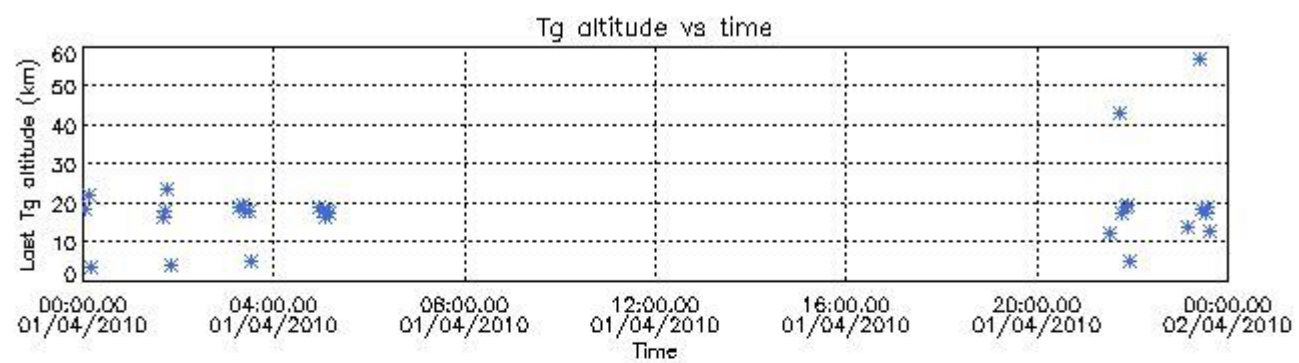
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	18.244	18.663	NaN
St. deviation:	10.371	4.6791	NaN
Maximum:	56.961	27.666	NaN
Minimum:	3.6550	3.6407	NaN
Number of data:	29.000	64.000	NaN

### 6.2 Plot for DARK limb products

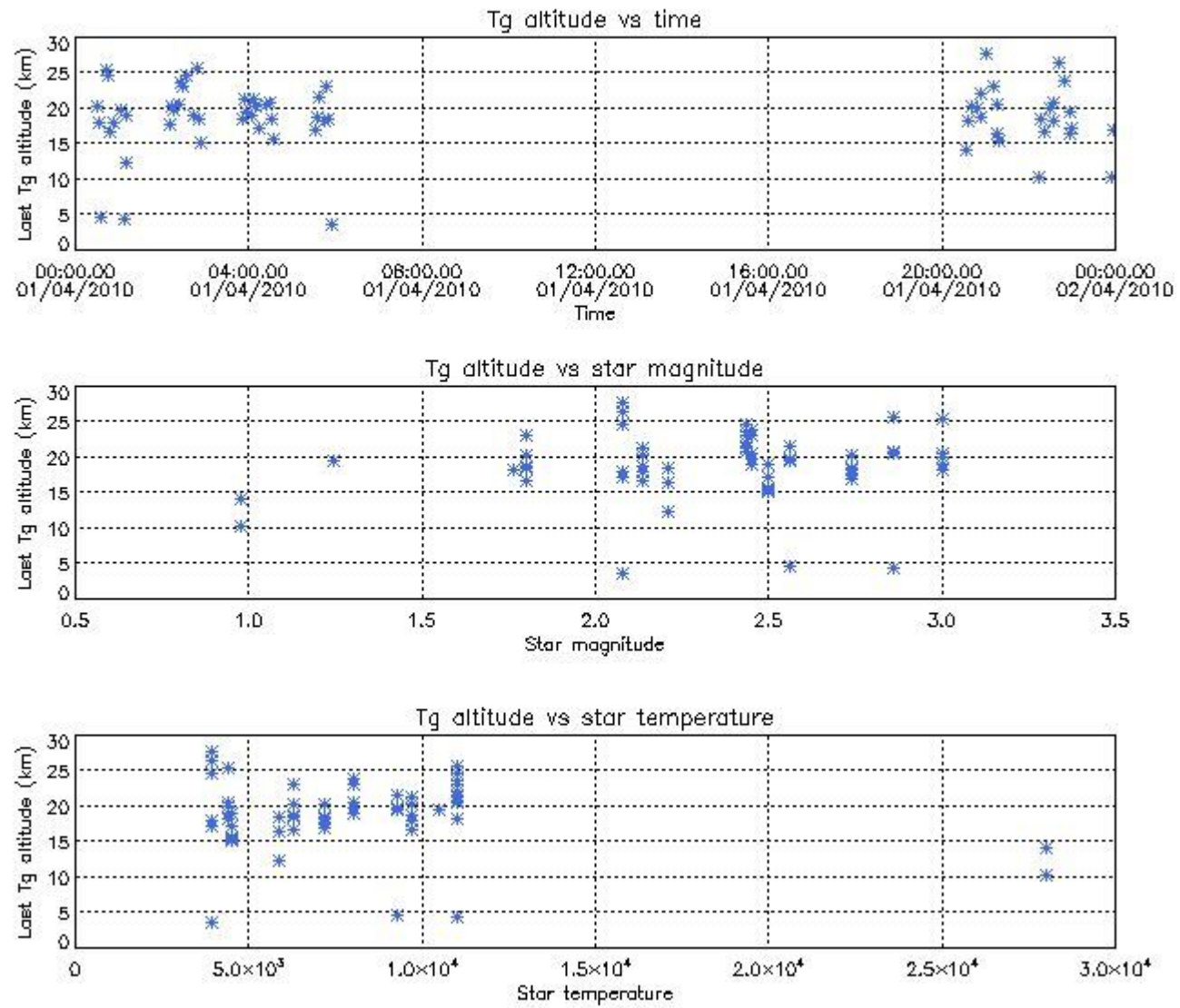


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

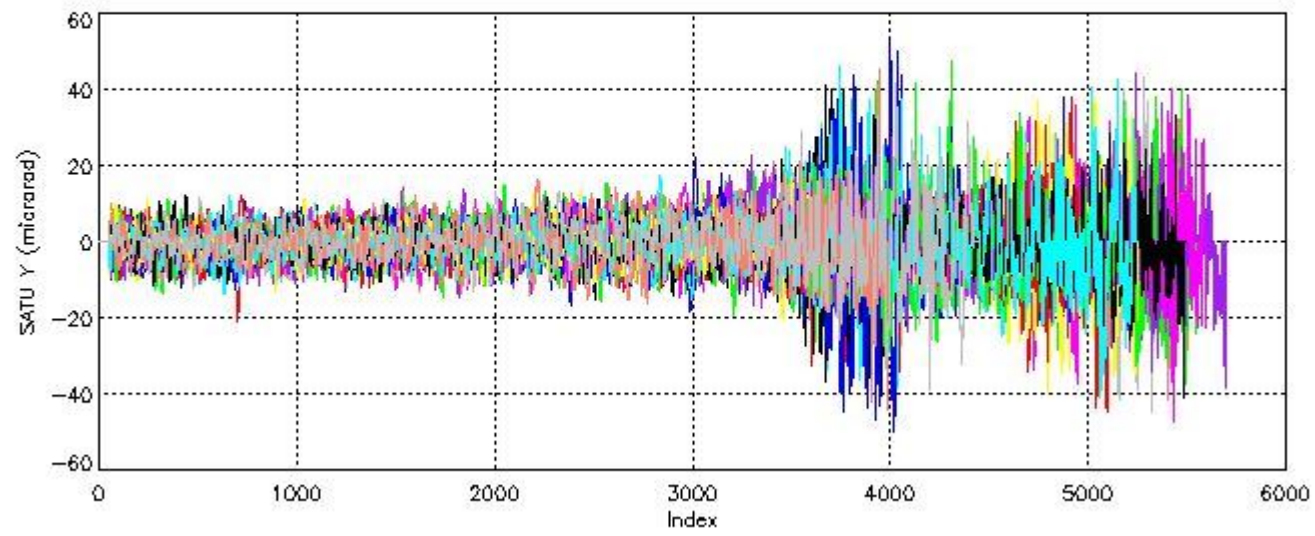
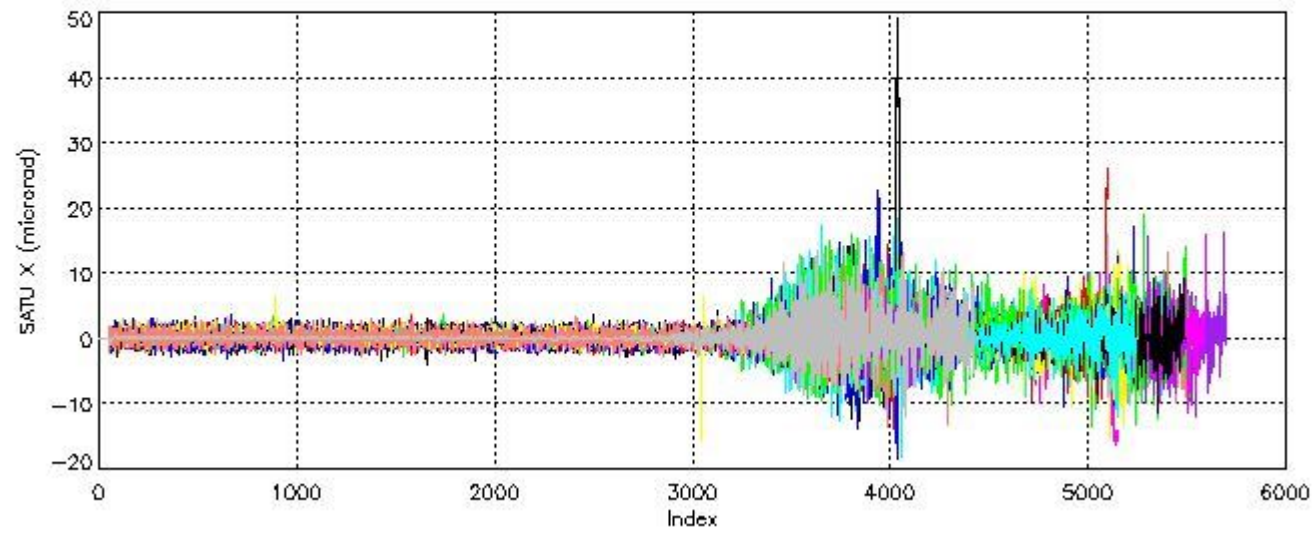


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.20080	-0.49189	0.18026	-0.52377
St. deviation:	0.57369	3.5251	0.76062	3.1457
Maximum:	6.5000	12.100	5.4000	14.400
Minimum:	-3.0000	-20.900	-5.8000	-15.100

Number of data:	32100.	32100.	60050.	60050.
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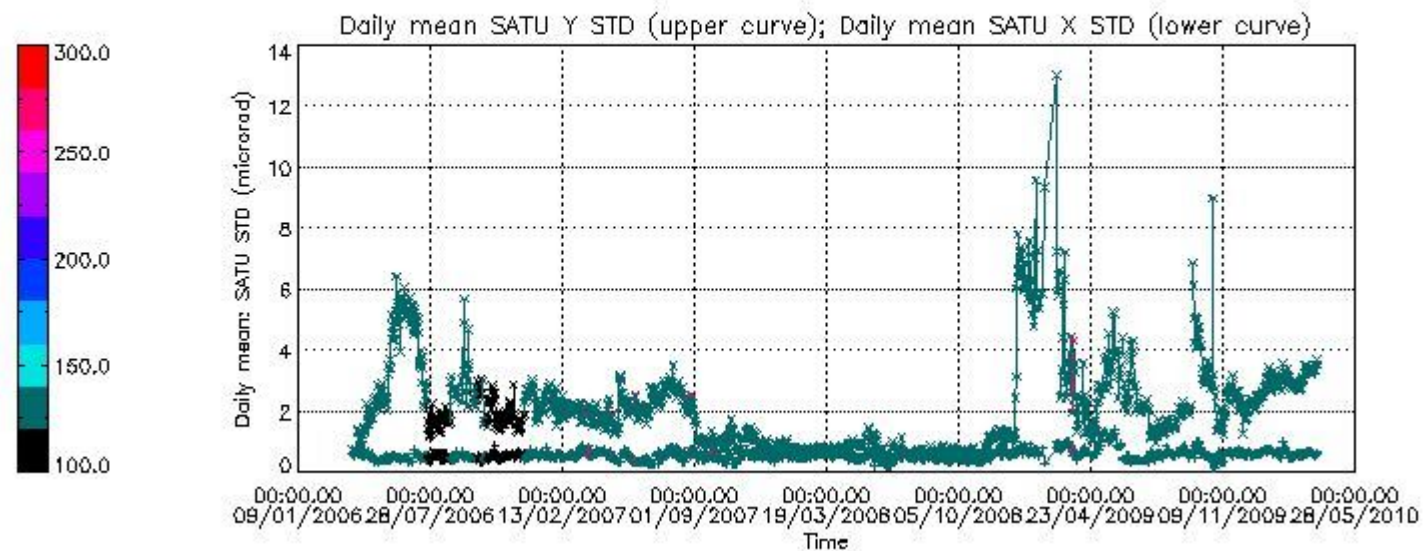
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

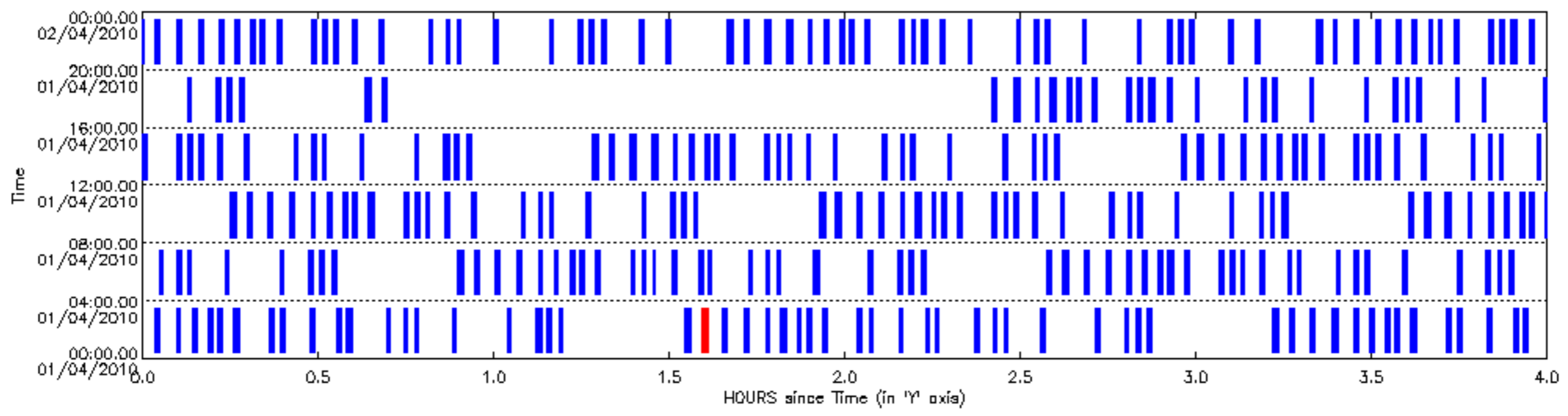
Lower curve: STD of SATU X axis

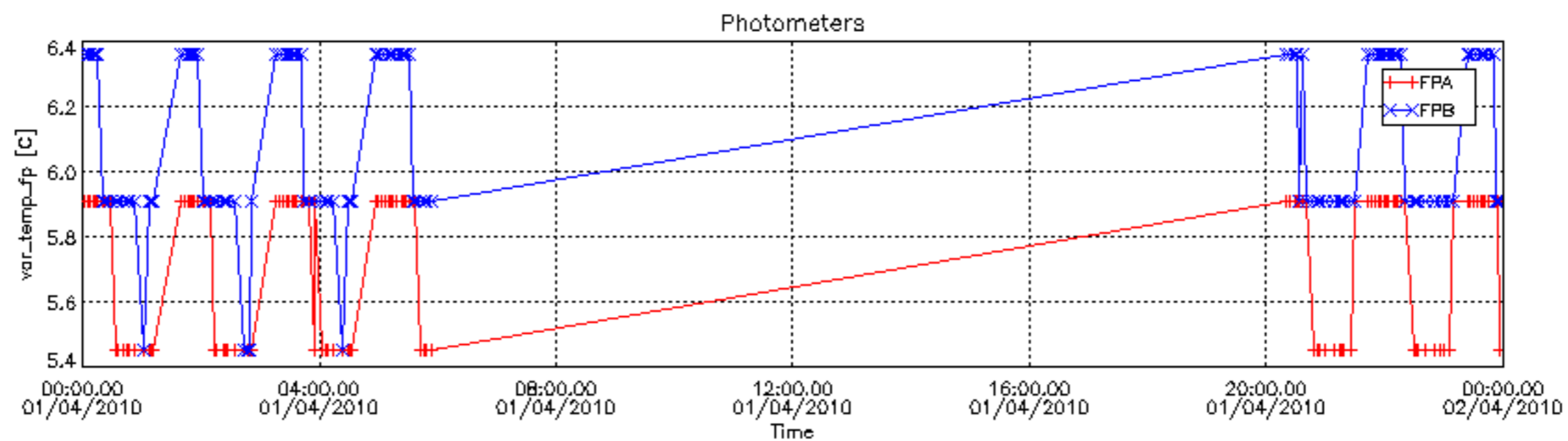
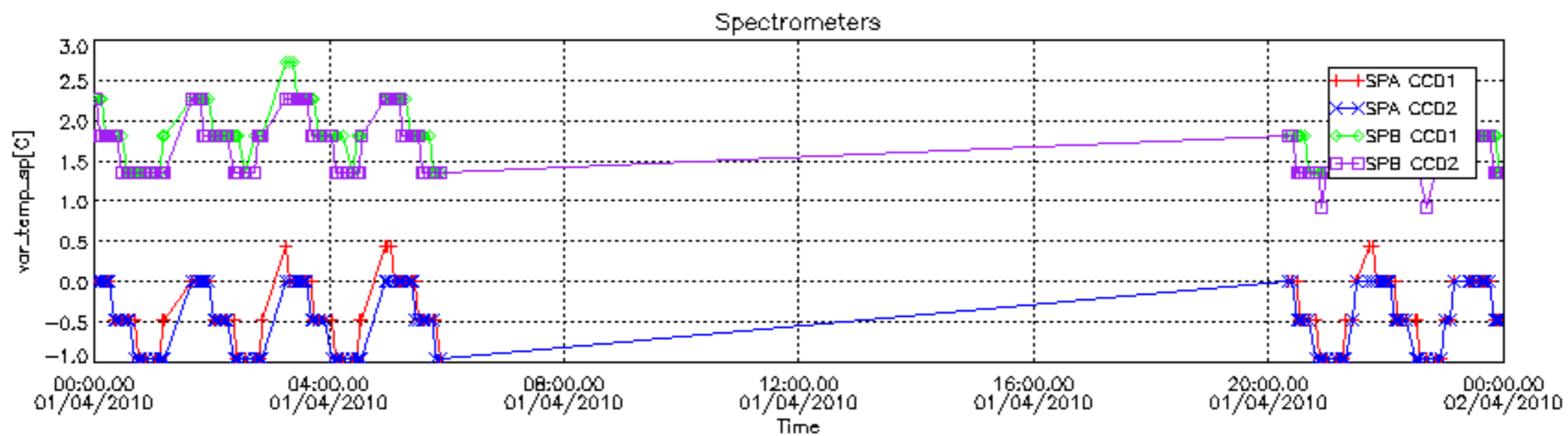


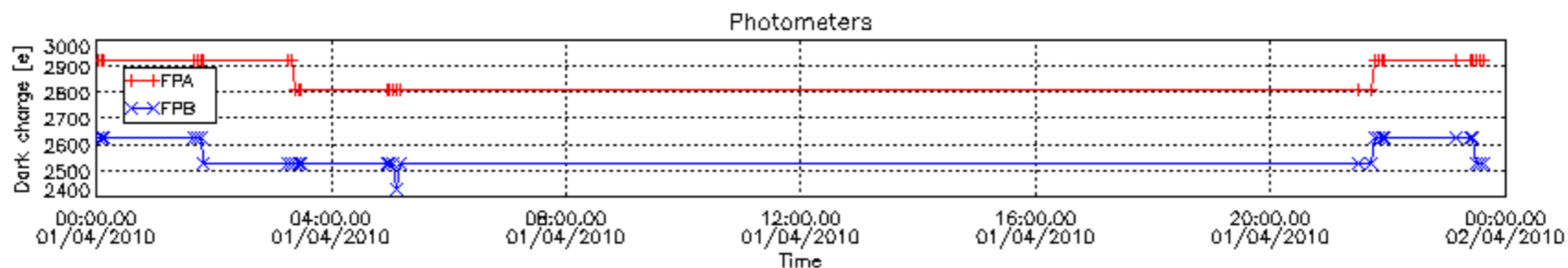
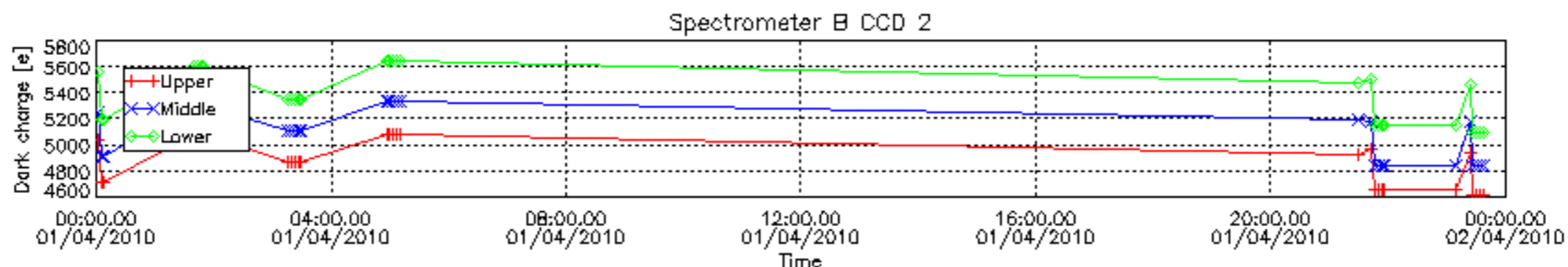
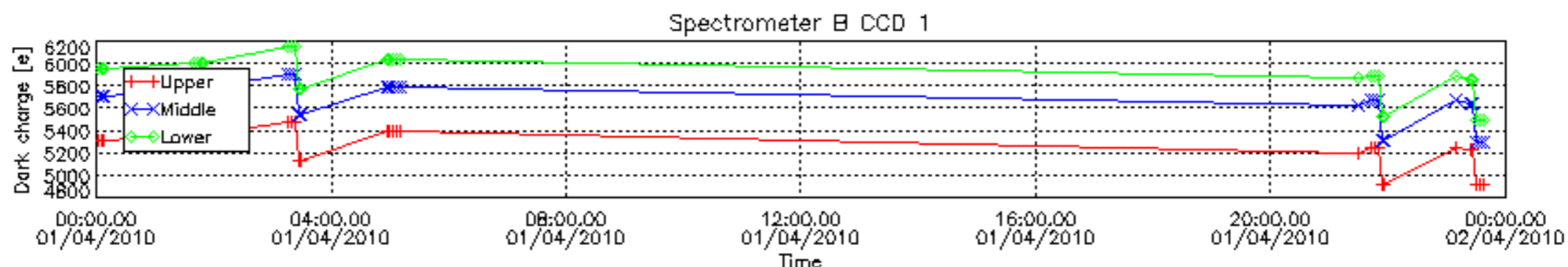
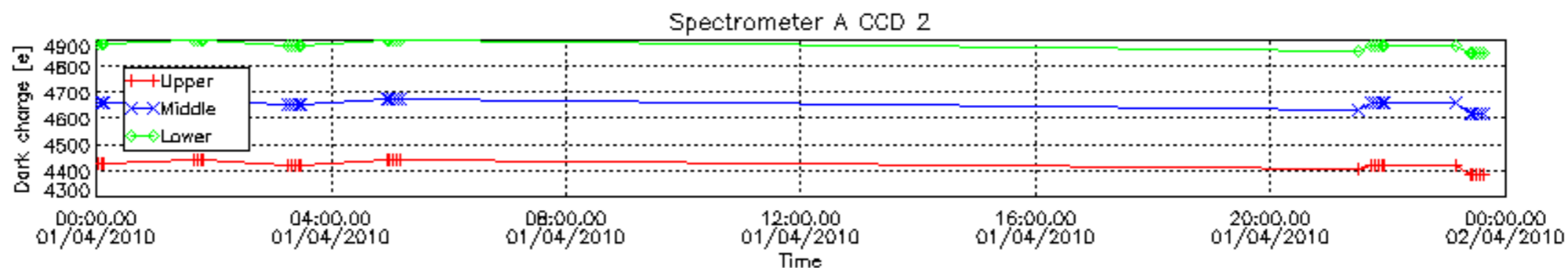
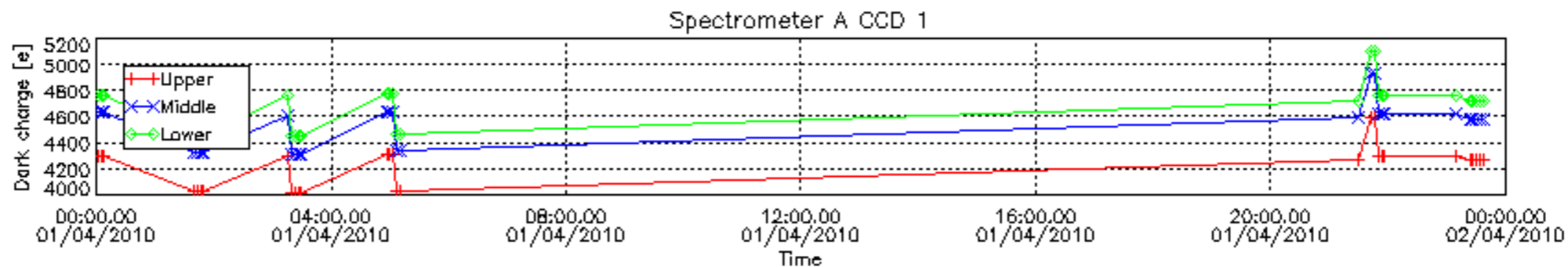
### 8. Auxiliary Data Files used for the production reported in section 2.4

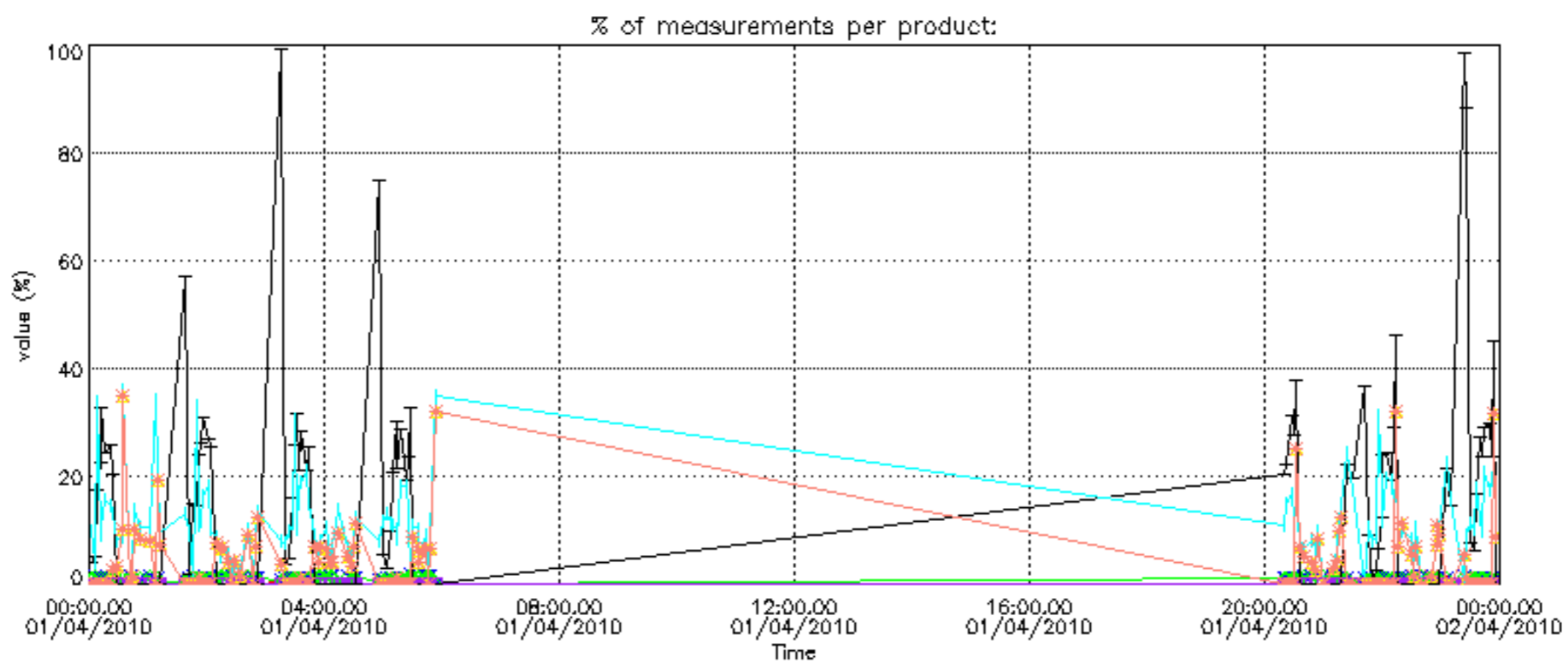
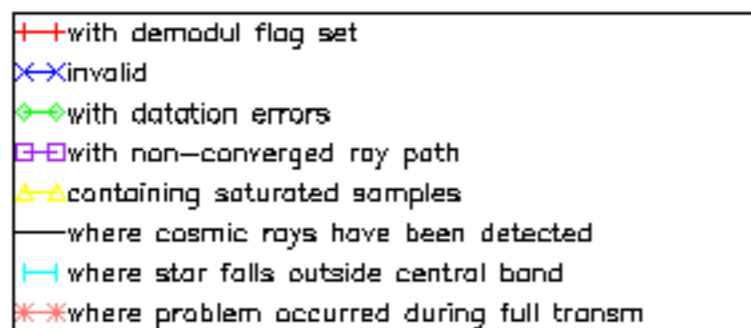
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	01-APR-2010 00:02:04
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100330_083348_20100328_000000_20500101_000000	1	01-APR-2010 00:02:04
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	01-APR-2010 00:02:04
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	01-APR-2010 00:02:04
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	01-APR-2010 00:02:04
ECMWF_FILE	AUX_ECF_AXNECM20100331_054115_20100331_210000_20100401_090000	1	01-APR-2010 00:02:04
ECMWF_FILE	AUX_ECF_AXNECM20100331_172117_20100401_030000_20100401_150000	57	01-APR-2010 04:23:26
ECMWF_FILE	AUX_ECF_AXNECM20100401_052118_20100401_150000_20100402_030000	79	01-APR-2010 20:20:05
ECMWF_FILE	AUX_ECF_AXNECM20100401_054116_20100401_210000_20100402_090000	96	01-APR-2010 21:42:47
OPTIONAL_ECMWF_FILE	MISSING	1	01-APR-2010 00:02:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100331_234420_000054192088_00130_42268_0074.N1	1	01-APR-2010 00:02:04
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ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100401_023422_000057382088_00132_42270_0076.N1	36	01-APR-2010 02:42:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100401_041519_000057382088_00133_42271_0077.N1	57	01-APR-2010 04:23:26
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100401_201659_000041442088_00143_42281_0078.N1	79	01-APR-2010 20:20:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100401_213122_000057382088_00143_42281_0079.N1	96	01-APR-2010 21:42:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100401_231219_000057382088_00144_42282_0080.N1	119	01-APR-2010 23:23:23



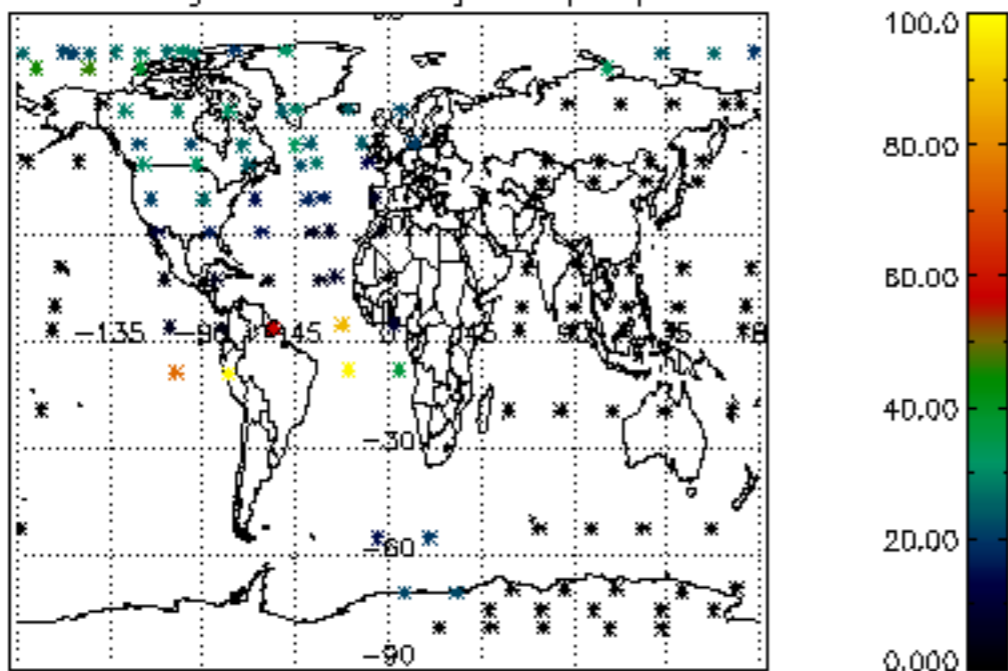




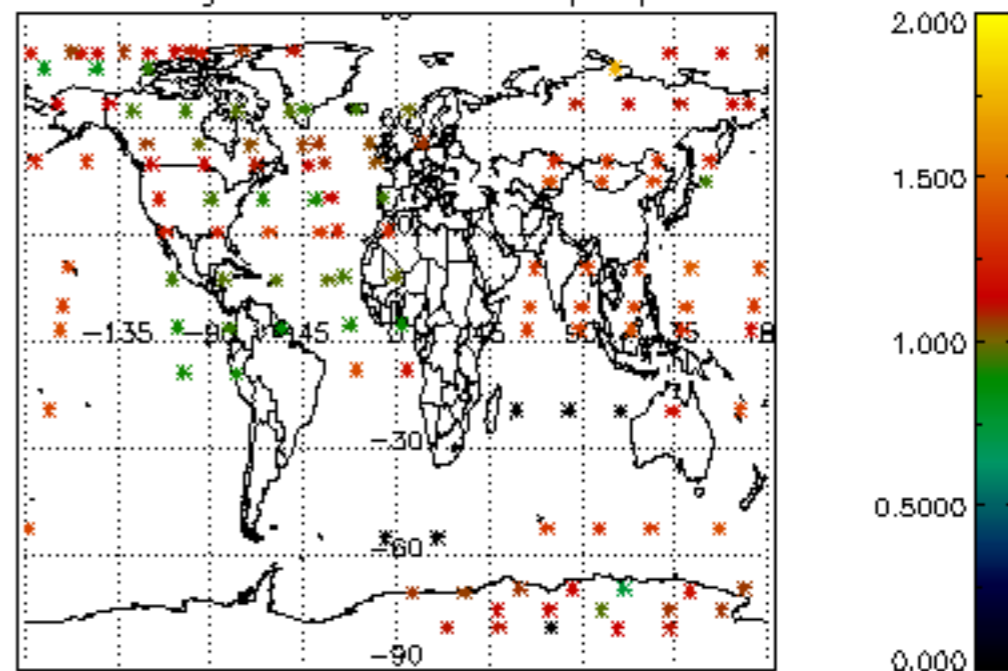




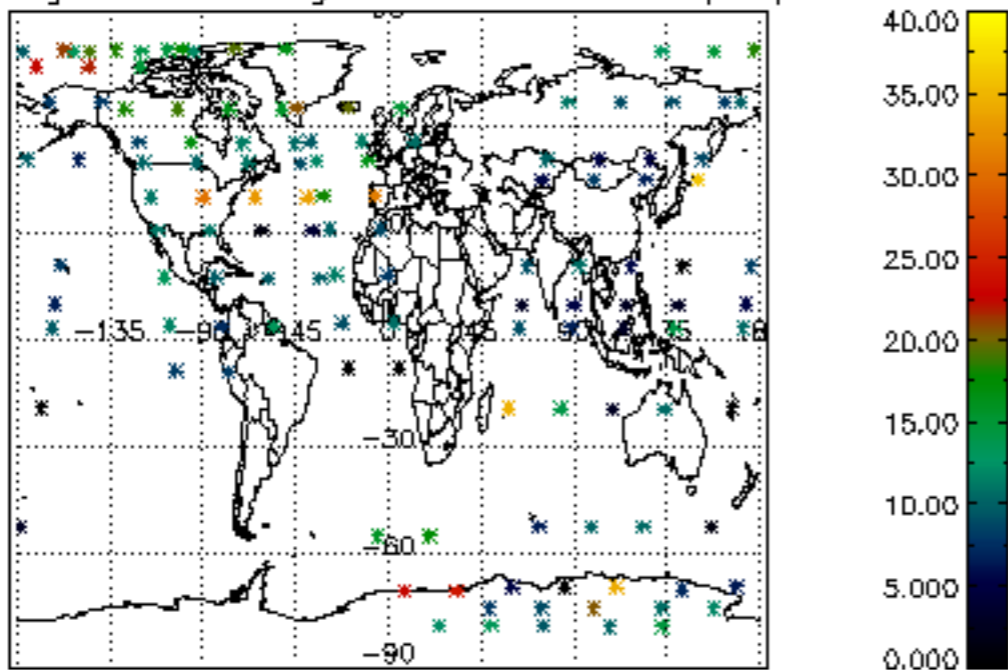
Percentage of cosmic ray hits per profile



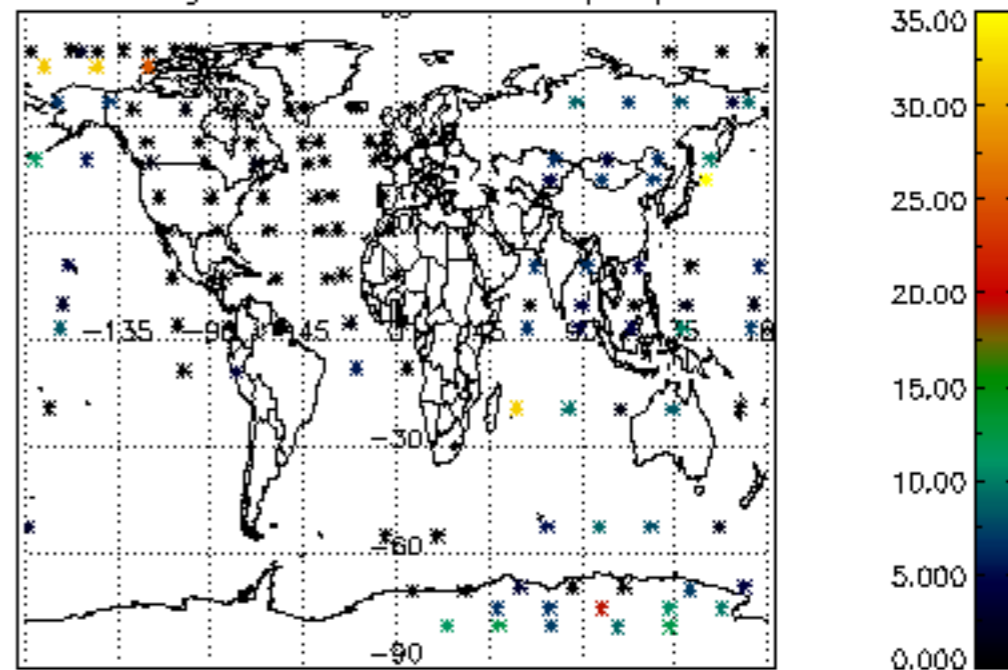
Percentage of datation errors per profile



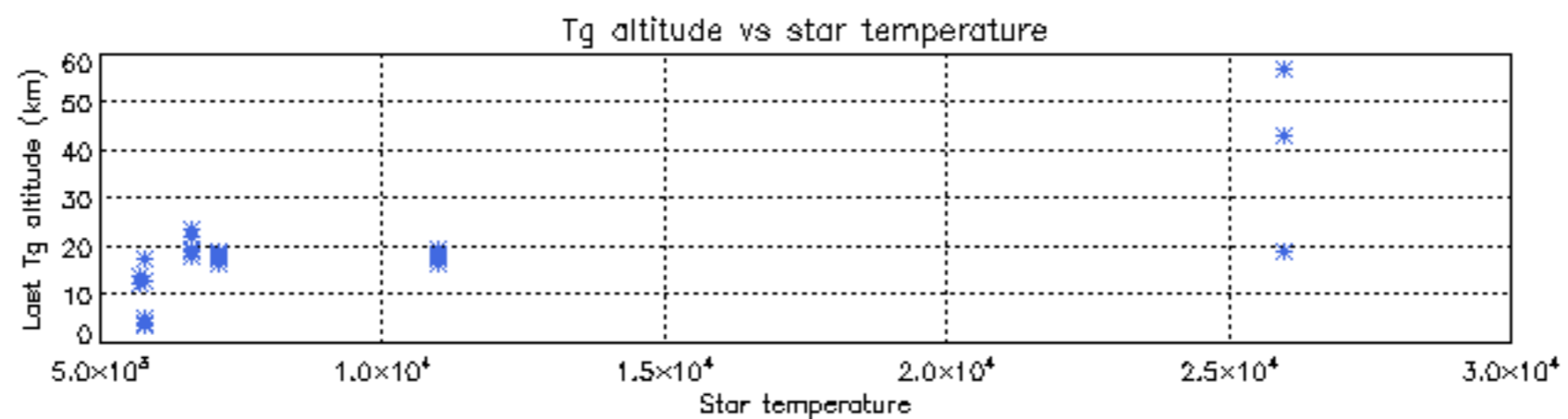
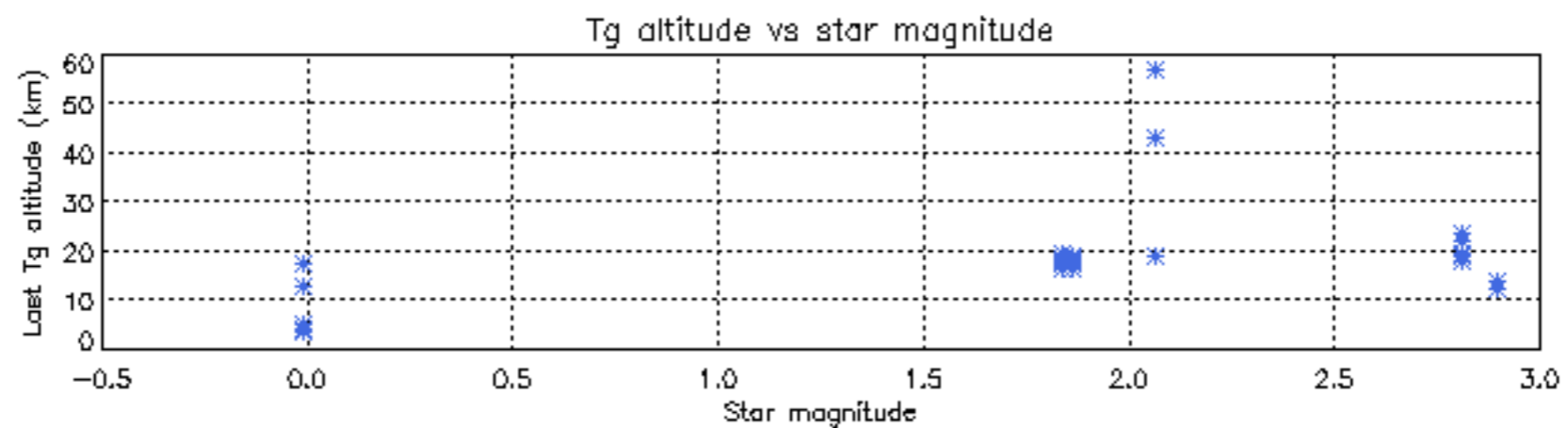
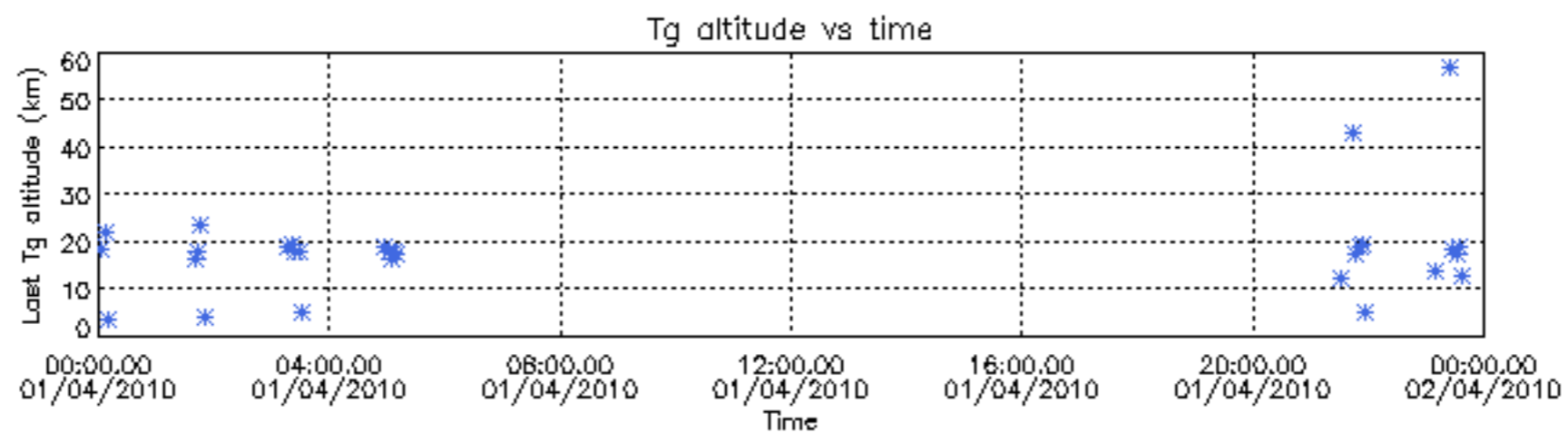
Percentage of star falling outside central band per profile



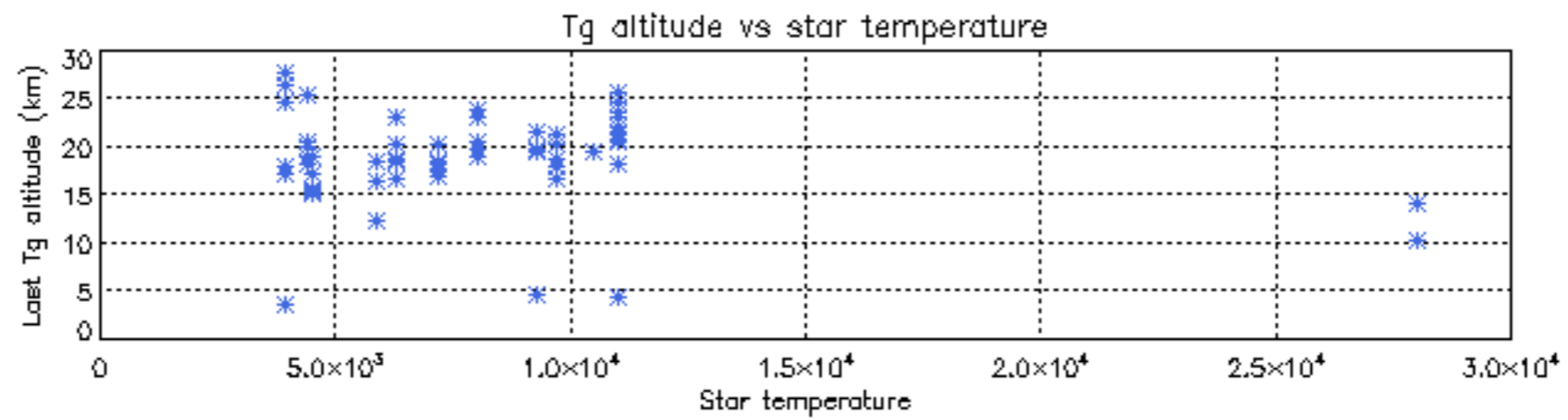
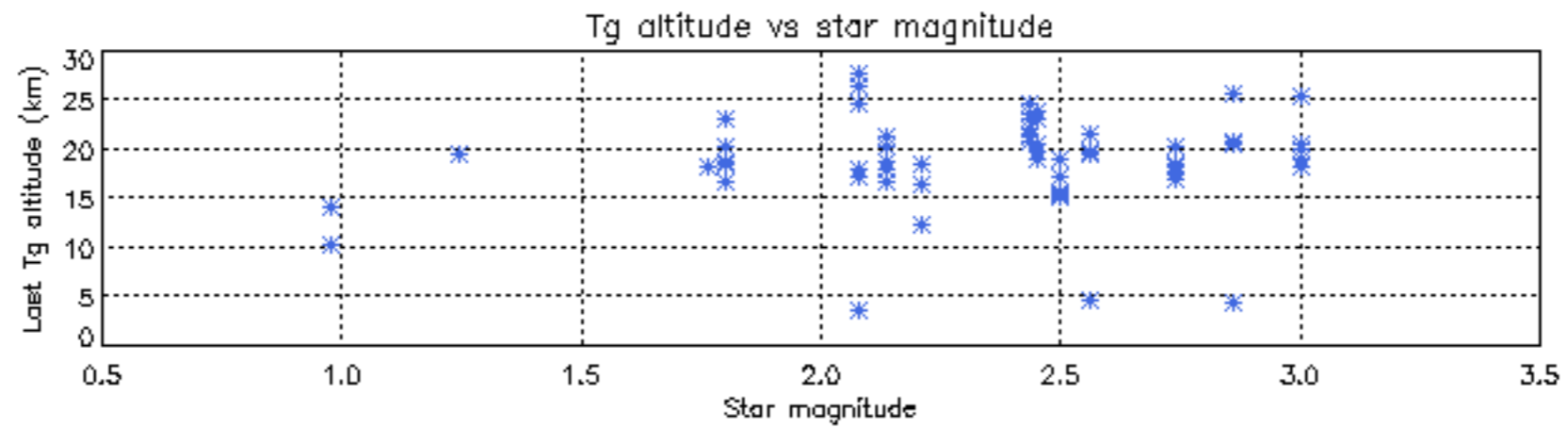
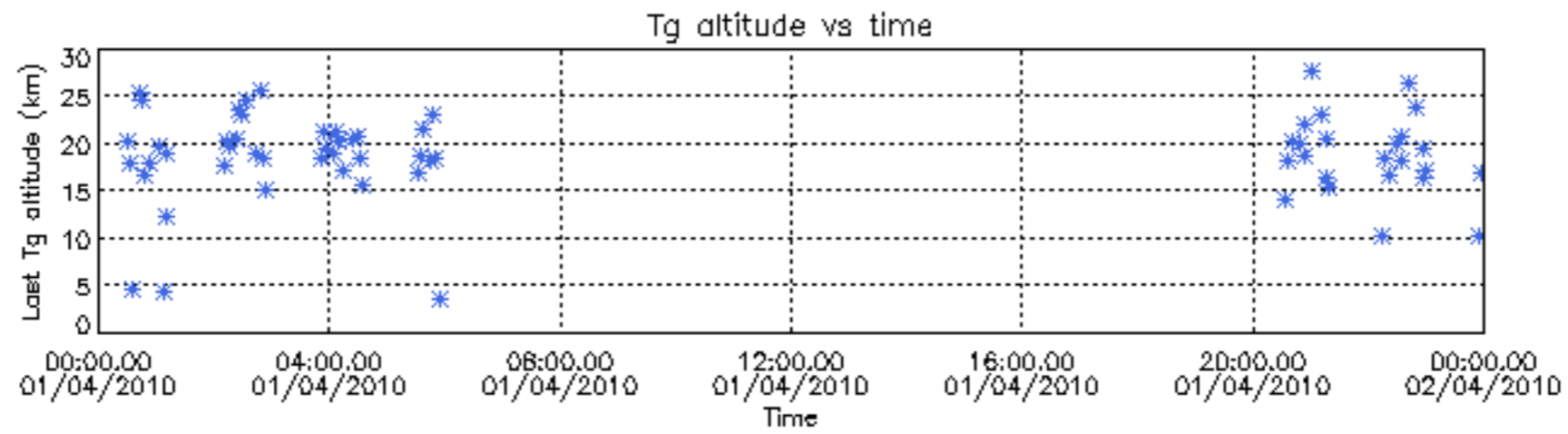
Percentage of saturation errors per profile

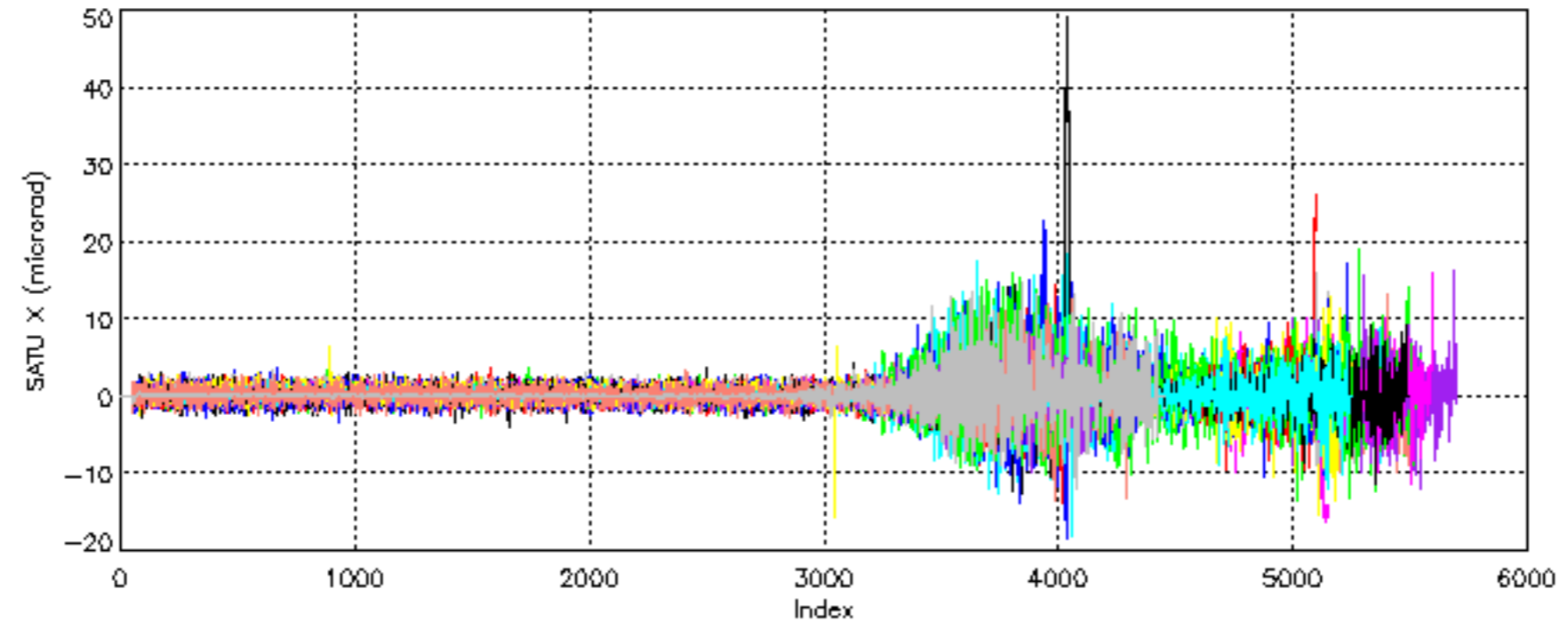


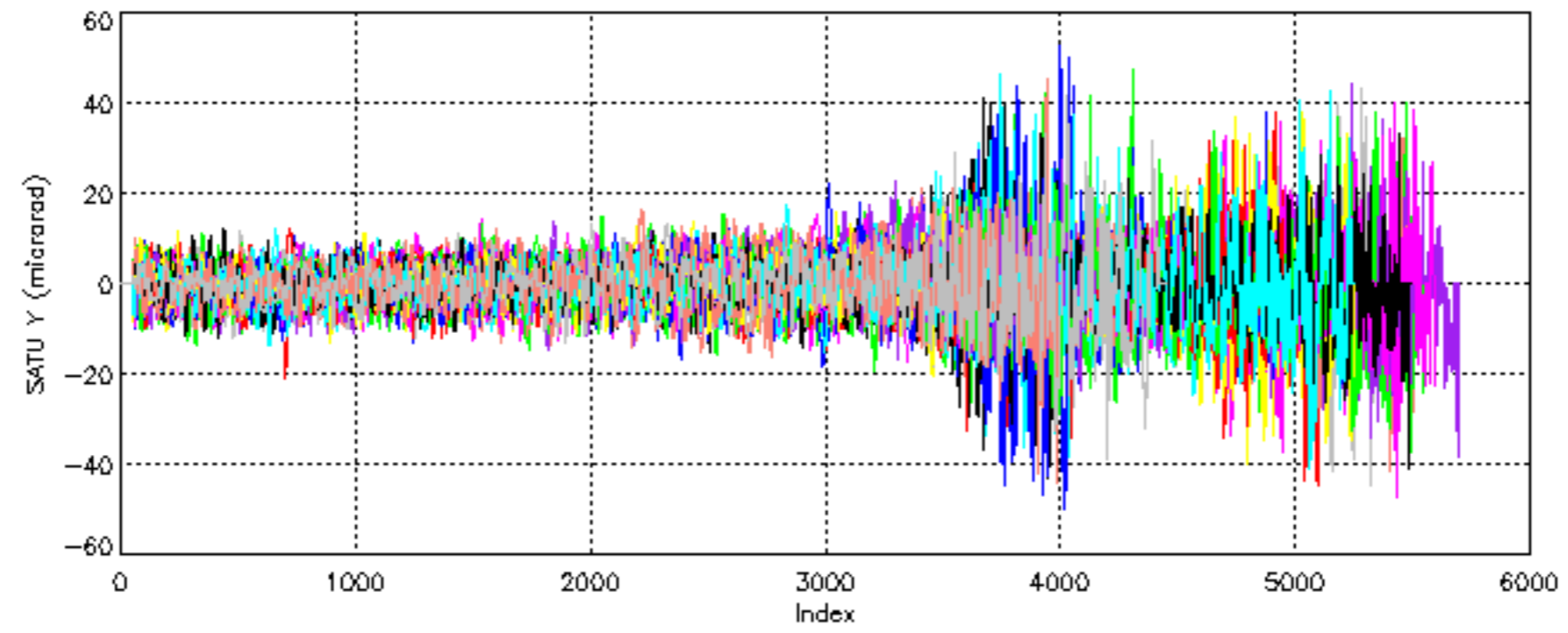
Tangent altitude at which the star is lost

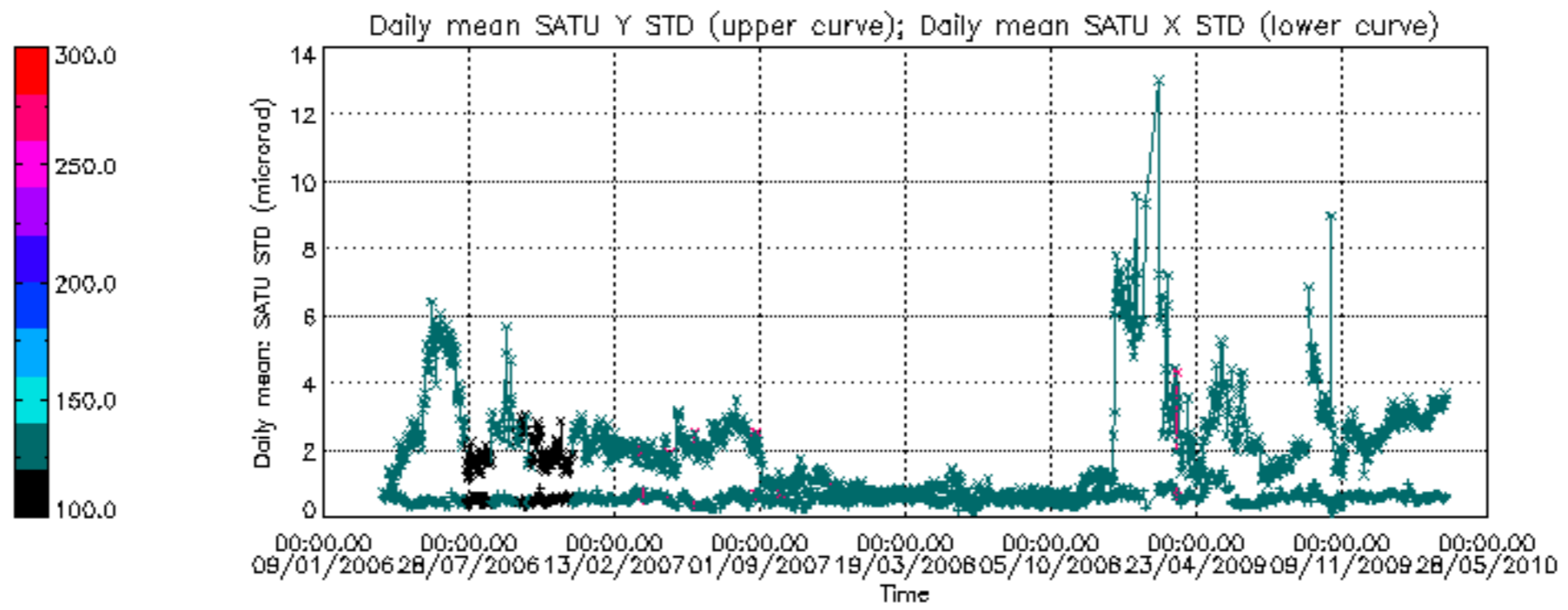


Tangent altitude at which the star is lost









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 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  
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 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  
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 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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 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  
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 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  
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 17; 1883.0; 01-APR-2010 05:30:23; Bright; 45.5; 121; 29Gam Vir ; 2.74; 7200;occ; 91; 0;42272  
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 19; 2257.0; 01-APR-2010 05:36:37; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;42272  
 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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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
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9; 2846.1; 01-APR-2010 20:51:49; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;42281
10; 2959.3; 01-APR-2010 20:53:43; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;42281
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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
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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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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
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23; 4830.0; 02-APR-2010 00:46:05; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;42283
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 8; 296.4; 01-APR-2010 06:44:32; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42273  
 9; 517.0; 01-APR-2010 06:48:13; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42273  
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 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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 3; 2160.3; 01-APR-2010 07:15:36; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 80; 0;42273  
 4; 2257.0; 01-APR-2010 07:17:13; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;42273  
 5; 2666.2; 01-APR-2010 07:24:02; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;42273  
 6; 2848.1; 01-APR-2010 07:27:04; Bright; 40.0; 87; 64Gam UMa ; 2.43; 11000;occ; 80; 0;42273  
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 9; 3902.0; 01-APR-2010 07:44:38; Bright; 54.0; 89; 5Alp Cep ; 2.45; 8000;occ; 108; 0;42273  
 10; 4199.1; 01-APR-2010 07:49:35; Bright; 47.5; 144; 18Del Cyg ; 2.86; 11000;occ; 95; 0;42273  
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 12; 4434.4; 01-APR-2010 07:53:30; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;42273  
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 22; 7496.6; 01-APR-2010 08:44:33; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;42274  
 23; 7614.5; 01-APR-2010 08:46:30; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42274  
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 3; 2160.4; 01-APR-2010 08:56:12; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 81; 0;42274  
 4; 2666.1; 01-APR-2010 09:04:38; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;42274  
 5; 2847.7; 01-APR-2010 09:07:40; Bright; 39.0; 87; 64Gam UMa ; 2.43; 11000;occ; 78; 0;42274  
 6; 2957.7; 01-APR-2010 09:09:30; Bright; 39.5; 36; 50Alp UMa ; 1.80; 6300;occ; 79; 0;42274  
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 9; 4199.3; 01-APR-2010 09:30:11; Bright; 48.0; 144; 18Del Cyg ; 2.86; 11000;occ; 96; 0;42274  
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 13; 5893.5; 01-APR-2010 09:58:25; Dark ; 57.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 114; 0;42274  
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 15; 6334.8; 01-APR-2010 10:05:47; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;42275  
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 20; 7137.3; 01-APR-2010 10:19:09; Dark ; 58.0; 54; 5The Cen ; 2.06; 4500;occ; 116; 0;42275  
 21; 7497.0; 01-APR-2010 10:25:09; Dark ; 47.5; 106; 9Bet Crv ; 2.65; 5600;occ; 95; 0;42275  
 22; 7614.6; 01-APR-2010 10:27:07; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42275  
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 3; 2160.3; 01-APR-2010 10:36:48; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42275  
 4; 2666.1; 01-APR-2010 10:45:14; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;42275

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6; 2957.7; 01-APR-2010 10:50:06; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;42275
7; 3336.6; 01-APR-2010 10:56:24; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;42275
8; 3901.8; 01-APR-2010 11:05:50; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;42275
9; 4199.0; 01-APR-2010 11:10:47; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;42275
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5; 73.1; 01-APR-2010 11:42:37; Dark ; 56.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 112; 0;42276
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7; 518.6; 01-APR-2010 11:50:02; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;42276
8; 676.5; 01-APR-2010 11:52:40; Dark ; 53.0; 4; Alp1Cen ;-0.01; 5800;occ; 106; 0;42276
9; 841.9; 01-APR-2010 11:55:26; Dark ; 46.0; 78; Alp Lup ; 2.30; 28000;occ; 92; 0;42276
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11; 1101.8; 01-APR-2010 11:59:46; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;42276
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13; 1578.4; 01-APR-2010 12:07:42; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42276
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5; 2665.9; 01-APR-2010 12:25:50; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;42276
6; 2847.2; 01-APR-2010 12:28:51; Bright; 39.5; 87; 64Gam UMa ; 2.43; 11000;occ; 79; 0;42276
7; 2957.6; 01-APR-2010 12:30:41; Bright; 38.5; 36; 50Alp UMa ; 1.80; 6300;occ; 77; 0;42276
8; 3336.3; 01-APR-2010 12:37:00; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;42276
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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7; 2957.4; 01-APR-2010 14:11:17; Bright; 40.5; 36; 50Alp UMa ; 1.80; 6300;occ; 81; 0;42277
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
10; 4198.5; 01-APR-2010 14:31:58; Bright; 44.5; 144; 18Del Cyg ; 2.86; 11000;occ; 89; 0;42277
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8; 2957.4; 01-APR-2010 15:51:53; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;42278
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13;	5133.5;	06-APR-2010	13:50:04;	Dark	;	45.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	90;	0;	42348
14;	5789.7;	06-APR-2010	14:01:00;	Dark	;	59.5;	0;	;	0.00;	0;occ;	119;	0;	42348	
15;	5990.5;	06-APR-2010	14:04:20;	Dark	;	55.0;	103;	38Zet Sgr	;	2.60;	9700;occ;	110;	0;	42348
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17;	6591.4;	06-APR-2010	14:14:21;	Dark	;	39.5;	134;	Bet TrA	;	2.81;	6600;occ;	79;	0;	42349
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19;	7018.0;	06-APR-2010	14:21:28;	Dark	;	43.5;	81;	Eta Cen	;	2.36;	28000;occ;	87;	0;	42349
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4;	1876.5;	06-APR-2010	14:36:22;	Bright;	42.5;	121;	29Gam Vir	;	2.74;	7200;occ;	85;	0;	42349	
5;	2155.3;	06-APR-2010	14:41:01;	Bright;	38.5;	62;	94Bet Leo	;	2.14;	9700;occ;	77;	0;	42349	
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11;	4210.1;	06-APR-2010	15:15:16;	Bright;	47.5;	19;	50Alp Cyg	;	1.25;	10500;occ;	95;	0;	42349	
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5; 2698.9; 23-APR-2010 07:33:10; Bright; 46.0; 180; 27Gam Boo ; 3.04; 8000;occ; 92; 0;42588

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 4; 134.0; 26-APR-2010 00:13:46; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42627  
 5; 587.9; 26-APR-2010 00:21:20; Dark ; 47.5; 141; Bet Ara ; 2.84; 4600;occ; 95; 0;42627  
 6; 678.5; 26-APR-2010 00:22:50; Dark ; 65.0; 40; The Sco ; 1.86; 7100;occ; 130; 0;42627  
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 8; 1105.7; 26-APR-2010 00:29:57; Dark ; 42.5; 81; Eta Cen ; 2.36; 28000;occ; 85; 0;42627  
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 17; 3234.8; 26-APR-2010 01:05:26; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;42627  
 18; 3848.2; 26-APR-2010 01:15:40; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42627  
 19; 4496.7; 26-APR-2010 01:26:28; Bright; 58.0; 164; 44Eta Peg ; 2.95; 5400;occ; 116; 0;42627  
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 4; 588.5; 26-APR-2010 02:01:56; Dark ; 49.5; 141; Bet Ara ; 2.84; 4600;occ; 99; 0;42628  
 5; 679.7; 26-APR-2010 02:03:27; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42628  
 6; 1012.5; 26-APR-2010 02:09:00; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;42628  
 7; 1106.0; 26-APR-2010 02:10:34; Dark ; 44.5; 81; Eta Cen ; 2.36; 28000;occ; 89; 0;42628  
 8; 1236.4; 26-APR-2010 02:12:44; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;42628  
 9; 1582.8; 26-APR-2010 02:18:30; Bright; 49.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 98; 0;42628  
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 11; 2092.7; 26-APR-2010 02:27:00; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;42628  
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 14; 2674.0; 26-APR-2010 02:36:41; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;42628  
 15; 2790.2; 26-APR-2010 02:38:38; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42628  
 16; 3234.7; 26-APR-2010 02:46:02; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42628

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9; 135.4; 26-APR-2010 03:34:59; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42629
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19; 2562.9; 26-APR-2010 04:15:26; Bright; 36.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 73; 0;42629
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21; 2790.0; 26-APR-2010 04:19:13; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42629
22; 3234.8; 26-APR-2010 04:26:38; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;42629
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9; 136.0; 26-APR-2010 05:15:35; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42630
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17; 2093.0; 26-APR-2010 05:48:12; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;42630
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3;	-1271.1;	29-APR-2010	03:17:17;	Dark	;	46.0;	90;	54Alp	Peg	;	2.49;	11000;	occ;	92;	0;	42671
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17;	2854.6;	29-APR-2010	04:26:03;	Bright	;	37.5;	55;	79Zet	UMa	;	2.06;	10200;	occ;	75;	0;	42672
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3;	-1270.4;	29-APR-2010	04:57:54;	Dark	;	44.0;	90;	54Alp	Peg	;	2.49;	11000;	occ;	88;	0;	42672
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11;	1121.2;	29-APR-2010	05:37:46;	Dark	;	40.5;	81;	Eta	Cen	;	2.36;	28000;	occ;	81;	0;	42673
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13;	2238.2;	29-APR-2010	05:56:23;	Bright	;	40.5;	111;	8Eta	Boo	;	2.68;	6000;	occ;	81;	0;	42673
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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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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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4; 2776.8; 29-APR-2010 09:26:33; Bright; 40.0; 39; 85Eta UMa ; 1.85; 24000;occ; 80; 0;42675
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