

GOMOS Daily Report 02-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	05APR2010 04:51:43
Data source version	GOMOS/5.00L04
Start time of products	02APR2010 00:01:35
Stop time of products	02APR2010 23:58:58
Store outputs in DB	Yes
Nb of level 1b prods	154
Nb of prods with errors	3

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

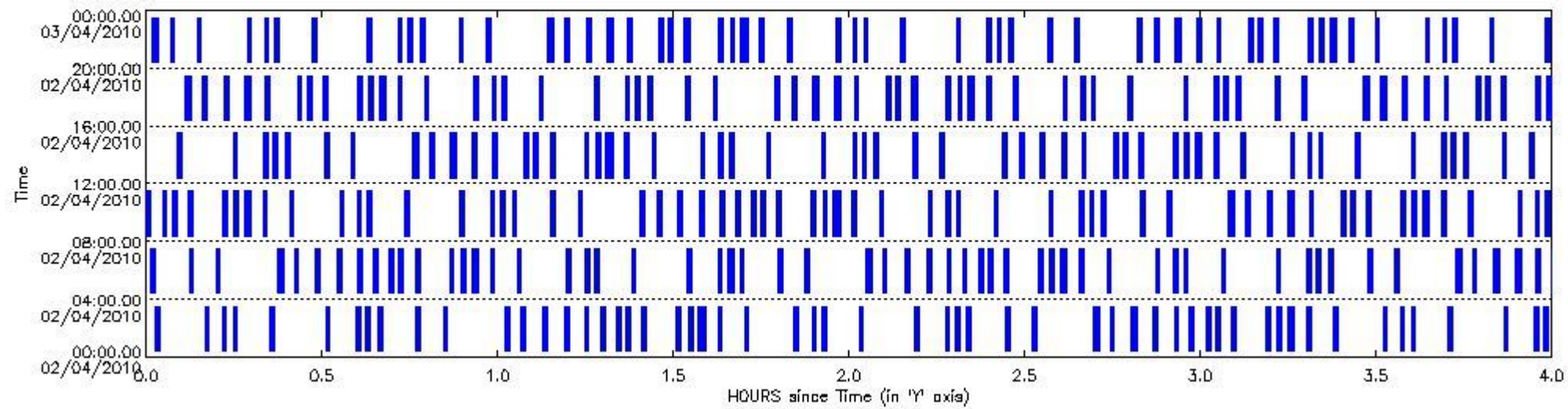
2.1 Level 0 products arrived in PCF (see template [here](#))

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

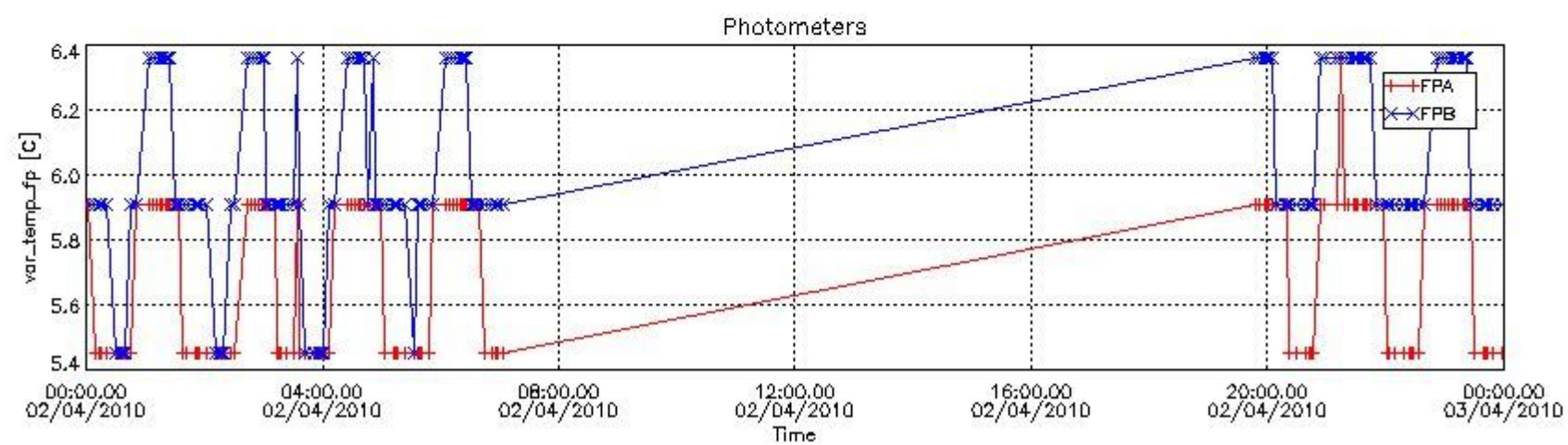
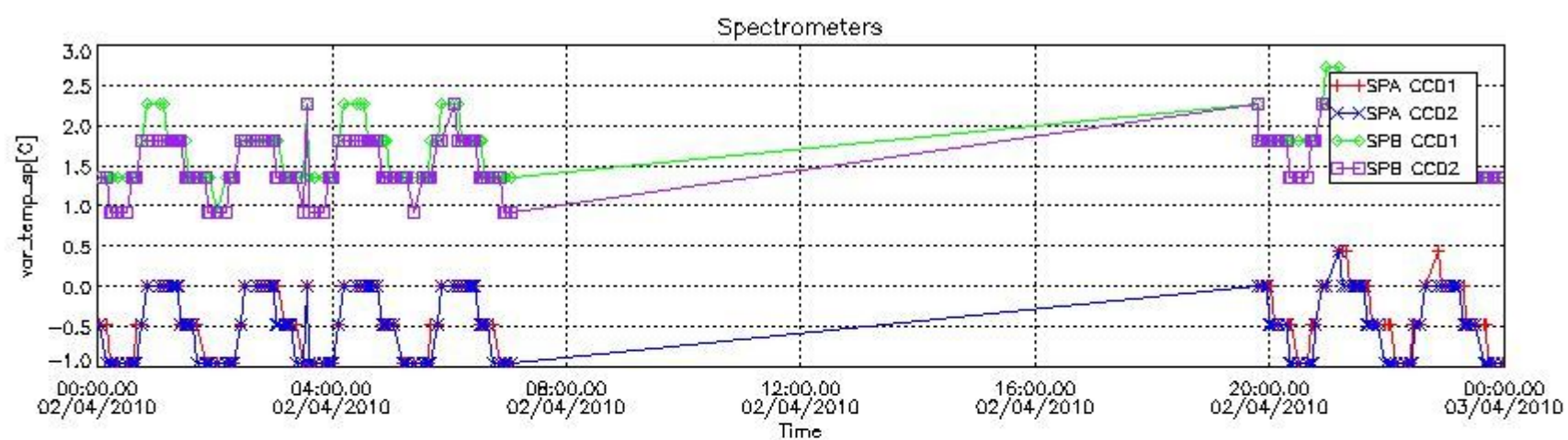
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100402_000135_000000402088_00145_42283_1052.N1	02-APR-2010 00:01:35	Bright	39.500	62	94Bet Leo	2.1360	9700.0	79	42283	No
2	GOM_TRA_1PNPDE20100402_001001_000000352088_00145_42283_1053.N1	02-APR-2010 00:10:01	Bright	35.000	174	52Psi UMa	3.0040	4400.0	70	42283	No
3	GOM_TRA_1PNPDE20100402_001301_000000372088_00145_42283_1054.N1	02-APR-2010 00:13:01	Bright	37.000	87	64Gam UMa	2.4330	11000.	74	42283	No
4	GOM_TRA_1PNPDE20100402_001450_000000432088_00145_42283_1055.N1	02-APR-2010 00:14:50	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	42283	No
5	GOM_TRA_1PNPDE20100402_002109_000000412088_00145_42283_1056.N1	02-APR-2010 00:21:09	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	42283	No
6	GOM_TRA_1PNPDE20100402_003036_000000402088_00145_42283_1057.N1	02-APR-2010 00:30:36	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	42283	No
7	GOM_TRA_1PNPDE20100402_003549_000000452088_00145_42283_1058.N1	02-APR-2010 00:35:49	Bright	45.000	19	50Alp Cyg	1.2460	10500.	90	42283	No
8	GOM_TRA_1PNPDE20100402_003728_000000452088_00145_42283_1059.N1	02-APR-2010 00:37:28	Bright	45.000	66	37Gam Cyg	2.2080	5900.0	90	42283	No
9	GOM_TRA_1PNPDE20100402_003931_000000452088_00145_42283_1060.N1	02-APR-2010 00:39:31	Bright	44.500	92	53Eps Cyg	2.5000	4500.0	89	42283	No
10	GOM_TRA_1PNPDE20100402_004605_000000462088_00145_42283_1061.N1	02-APR-2010 00:46:05	Tw_i_and_stray	45.500	61	8Eps Peg	2.1000	3900.0	91	42283	No
11	GOM_TRA_1PNPDE20100402_005042_000000442088_00145_42283_1062.N1	02-APR-2010 00:50:42	Dark	44.000	154	22Bet Aqr	2.8990	5700.0	88	42283	No
12	GOM_TRA_1PNPDE20100402_010401_000000362088_00145_42283_1075.N1	02-APR-2010 01:04:01	Dark	36.000	57	34Sig Sgr	2.0660	26000.	72	42283	No

13	GOM_TRA_1PNPDE20100402_010735_000000582088_00146_42284_1076.N1	02-APR-2010 01:07:35	Dark	57.500	38	20Eps Sgr	1.8360	11000.	115	42284	No
14	GOM_TRA_1PNPDE20100402_011120_000000542088_00146_42284_1077.N1	02-APR-2010 01:11:20	Dark	54.000	40	The Sco	1.8590	7100.0	108	42284	No
15	GOM_TRA_1PNPDE20100402_011453_000000382088_00146_42284_1078.N1	02-APR-2010 01:14:53	Dark	38.000	134	Bet TrA	2.8100	6600.0	76	42284	No
16	GOM_TRA_1PNPDE20100402_011731_000000452088_00146_42284_1079.N1	02-APR-2010 01:17:31	Dark	45.000	4	Alp1Cen	-0.010000	5800.0	90	42284	No
17	GOM_TRA_1PNPDE20100402_012018_000000462088_00146_42284_1080.N1	02-APR-2010 01:20:18	Straylight	45.500	78	Alp Lup	2.3040	28000.	91	42284	No
18	GOM_TRA_1PNPDE20100402_012154_000000492088_00146_42284_1081.N1	02-APR-2010 01:21:54	Straylight	49.000	81	Eta Cen	2.3560	28000.	98	42284	No
19	GOM_TRA_1PNPDE20100402_012437_000000522088_00146_42284_1082.N1	02-APR-2010 01:24:37	Straylight	51.500	54	5The Cen	2.0550	4500.0	103	42284	No
20	GOM_TRA_1PNPDE20100402_013034_000000452088_00146_42284_1083.N1	02-APR-2010 01:30:34	Tw_i_and_stray	44.500	106	9Bet Crv	2.6480	5600.0	89	42284	No
21	GOM_TRA_1PNPDE20100402_013231_000000452088_00146_42284_1084.N1	02-APR-2010 01:32:31	Tw_i_and_stray	45.000	100	4Gam Crv	2.5800	13100.	90	42284	No
22	GOM_TRA_1PNPDE20100402_013419_000000662088_00146_42284_1085.N1	02-APR-2010 01:34:19	Bright	66.000	15	67Alp Vir	0.97600	28000.	132	42284	No
23	GOM_TRA_1PNPDE20100402_013733_000000432088_00146_42284_1086.N1	02-APR-2010 01:37:33	Bright	43.000	121	29Gam Vir	2.7400	7200.0	86	42284	No
24	GOM_TRA_1PNPDE20100402_014210_000000392088_00146_42284_1087.N1	02-APR-2010 01:42:10	Bright	38.500	62	94Bet Leo	2.1360	9700.0	77	42284	No
25	GOM_TRA_1PNPDE20100402_015037_000000382088_00146_42284_1088.N1	02-APR-2010 01:50:37	Bright	37.500	174	52Psi UMa	3.0040	4400.0	75	42284	No
26	GOM_TRA_1PNPDE20100402_015336_000000382088_00146_42284_1089.N1	02-APR-2010 01:53:36	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	42284	No
27	GOM_TRA_1PNPDE20100402_015525_000000412088_00146_42284_1090.N1	02-APR-2010 01:55:25	Bright	41.000	32	77Eps UMa	1.7630	11000.	82	42284	No
28	GOM_TRA_1PNPDE20100402_020145_000000382088_00146_42284_1091.N1	02-APR-2010 02:01:45	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	42284	No
29	GOM_TRA_1PNPDE20100402_021112_000000392088_00146_42284_1092.N1	02-APR-2010 02:11:12	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	42284	No
30	GOM_TRA_1PNPDE20100402_021624_000000412088_00146_42284_1093.N1	02-APR-2010 02:16:24	Bright	40.500	19	50Alp Cyg	1.2460	10500.	81	42284	No
31	GOM_TRA_1PNPDE20100402_021804_000000462088_00146_42284_1094.N1	02-APR-2010 02:18:04	Bright	46.000	66	37Gam Cyg	2.2080	5900.0	92	42284	No
32	GOM_TRA_1PNPDE20100402_022007_000000442088_00146_42284_1095.N1	02-APR-2010 02:20:07	Bright	43.500	92	53Eps Cyg	2.5000	4500.0	87	42284	No
33	GOM_TRA_1PNPDE20100402_022642_000000452088_00146_42284_1096.N1	02-APR-2010 02:26:42	Tw_i_and_stray	45.000	61	8Eps Peg	2.1000	3900.0	90	42284	No
34	GOM_TRA_1PNPDE20100402_023118_000000452088_00146_42284_1097.N1	02-APR-2010 02:31:18	Dark	45.000	154	22Bet Aqr	2.8990	5700.0	90	42284	No
35	GOM_TRA_1PNPDE20100402_024438_000000312088_00146_42284_1098.N1	02-APR-2010 02:44:38	Dark	31.000	57	34Sig Sgr	2.0660	26000.	62	42284	No
36	GOM_TRA_1PNPDE20100402_024812_000000562088_00147_42285_1099.N1	02-APR-2010 02:48:12	Dark	56.000	38	20Eps Sgr	1.8360	11000.	112	42285	No
37	GOM_TRA_1PNPDE20100402_025157_000000512088_00147_42285_1100.N1	02-APR-2010 02:51:57	Dark	51.000	40	The Sco	1.8590	7100.0	102	42285	No
38	GOM_TRA_1PNPDE20100402_025530_000000392088_00147_42285_1101.N1	02-APR-2010 02:55:30	Dark	38.500	134	Bet TrA	2.8100	6600.0	77	42285	No
39	GOM_TRA_1PNPDE20100402_025808_000000492088_00147_42285_1102.N1	02-APR-2010 02:58:08	Dark	49.000	4	Alp1Cen	-0.010000	5800.0	98	42285	No
40	GOM_TRA_1PNPDE20100402_030054_000000462088_00147_42285_1103.N1	02-APR-2010 03:00:54	Straylight	45.500	78	Alp Lup	2.3040	28000.	91	42285	No
41	GOM_TRA_1PNPDE20100402_030231_000000462088_00147_42285_1104.N1	02-APR-2010 03:02:31	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	42285	No
42	GOM_TRA_1PNPDE20100402_030514_000000512088_00147_42285_1105.N1	02-APR-2010 03:05:14	Straylight	51.000	54	5The Cen	2.0550	4500.0	102	42285	No
43	GOM_TRA_1PNPDE20100402_031110_000000482088_00147_42285_1106.N1	02-APR-2010 03:11:10	Tw_i_and_stray	48.000	106	9Bet Crv	2.6480	5600.0	96	42285	No
44	GOM_TRA_1PNPDE20100402_031307_000000432088_00147_42285_1107.N1	02-APR-2010 03:13:07	Tw_i_and_stray	42.500	100	4Gam Crv	2.5800	13100.	85	42285	No
45	GOM_TRA_1PNPDE20100402_031455_000000622088_00147_42285_1108.N1	02-APR-2010 03:14:55	Bright	62.000	15	67Alp Vir	0.97600	28000.	124	42285	No
46	GOM_TRA_1PNPDE20100402_031808_000000422088_00147_42285_1109.N1	02-APR-2010 03:18:08	Bright	42.000	121	29Gam Vir	2.7400	7200.0	84	42285	No
47	GOM_TRA_1PNPDE20100402_032246_000000392088_00147_42285_1110.N1	02-APR-2010 03:22:46	Bright	39.000	62	94Bet Leo	2.1360	9700.0	78	42285	No
48	GOM_TRA_1PNPDE20100402_033112_000000382088_00147_42285_1111.N1	02-APR-2010 03:31:12	Bright	37.500	174	52Psi UMa	3.0040	4400.0	75	42285	No
49	GOM_TRA_1PNPDE20100402_033412_000000382088_00147_42285_1116.N1	02-APR-2010 03:34:12	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	42285	Yes
50	GOM_TRA_1PNPDE20100402_033600_000000412088_00147_42285_1117.N1	02-APR-2010 03:36:00	Bright	41.000	32	77Eps UMa	1.7630	11000.	82	42285	No
51	GOM_TRA_1PNPDE20100402_034220_000000392088_00147_42285_1118.N1	02-APR-2010 03:42:20	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	42285	No
52	GOM_TRA_1PNPDE20100402_035148_000000392088_00147_42285_1119.N1	02-APR-2010 03:51:48	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	42285	No
53	GOM_TRA_1PNPDE20100402_035700_000000412088_00147_42285_1120.N1	02-APR-2010 03:57:00	Bright	40.500	19	50Alp Cyg	1.2460	10500.	81	42285	No
54	GOM_TRA_1PNPDE20100402_035840_000000462088_00147_42285_1121.N1	02-APR-2010 03:58:40	Bright	46.000	66	37Gam Cyg	2.2080	5900.0	92	42285	No
55	GOM_TRA_1PNPDE20100402_040043_000000452088_00147_42285_1122.N1	02-APR-2010 04:00:43	Bright	44.500	92	53Eps Cyg	2.5000	4500.0	89	42285	No
56	GOM_TRA_1PNPDE20100402_040717_000000462088_00147_42285_1123.N1	02-APR-2010 04:07:17	Tw_i_and_stray	46.000	61	8Eps Peg	2.1000	3900.0	92	42285	No
57	GOM_TRA_1PNPDE20100402_041154_000000422088_00147_42285_1124.N1	02-APR-2010 04:11:54	Dark	42.000	154	22Bet Aqr	2.8990	5700.0	84	42285	No
58	GOM_TRA_1PNPDE20100402_042516_000000312088_00147_42285_1125.N1	02-APR-2010 04:25:16	Dark	31.000	57	34Sig Sgr	2.0660	26000.	62	42285	No
59	GOM_TRA_1PNPDE20100402_042849_000000522088_00148_42286_1126.N1	02-APR-2010 04:28:49	Dark	51.500	38	20Eps Sgr	1.8360	11000.	103	42286	No
60	GOM_TRA_1PNPDE20100402_043234_000000502088_00148_42286_1127.N1	02-APR-2010 04:32:34	Dark	50.000	40	The Sco	1.8590	7100.0	100	42286	No
61	GOM_TRA_1PNPDE20100402_043606_000000382088_00148_42286_1128.N1	02-APR-2010 04:36:06	Dark	37.500	134	Bet TrA	2.8100	6600.0	75	42286	No
62	GOM_TRA_1PNPDE20100402_043844_000000542088_00148_42286_1129.N1	02-APR-2010 04:38:44	Dark	53.500	4	Alp1Cen	-0.010000	5800.0	107	42286	No
63	GOM_TRA_1PNPDE20100402_044131_000000482088_00148_42286_1130.N1	02-APR-2010 04:41:31	Straylight	47.500	78	Alp Lup	2.3040	28000.	95	42286	No
64	GOM_TRA_1PNPDE20100402_044307_000000462088_00148_42286_1131.N1	02-APR-2010 04:43:07	Straylight	46.000	81	Eta Cen	2.3560	28000.	92	42286	No
65	GOM_TRA_1PNPDE20100402_044550_000000522088_00148_42286_1132.N1	02-APR-2010 04:45:50	Straylight	52.000	54	5The Cen	2.0550	4500.0	104	42286	No
66	GOM_TRA_1PNPDE20100402_045146_000000462088_00148_42286_1133.N1	02-APR-2010 04:51:46	Tw_i_and_stray	45.500	106	9Bet Crv	2.6480	5600.0	91	42286	No
67	GOM_TRA_1PNPDE20100402_045343_000000432088_00148_42286_1134.N1	02-APR-2010 04:53:43	Tw_i_and_stray	43.000	100	4Gam Crv	2.5800	13100.	86	42286	No
68	GOM_TRA_1PNPDE20100402_045531_000000662088_00148_42286_1135.N1	02-APR-2010 04:55:31	Bright	66.000	15	67Alp Vir	0.97600	28000.	132	42286	No
69	GOM_TRA_1PNPDE20100402_045844_000000442088_00148_42286_1136.N1	02-APR-2010 04:58:44	Bright	44.000	121	29Gam Vir	2.7400	7200.0	88	42286	No
70	GOM_TRA_1PNPDE20100402_050322_000000392088_00148_42286_1137.N1	02-APR-2010 05:03:22	Bright	39.000	62	94Bet Leo	2.1360	9700.0	78	42286	No
71	GOM_TRA_1PNPDE20100402_051148_000000382088_00148_42286_1138.N1	02-APR-2010 05:11:48	Bright	37.500	174	52Psi UMa	3.0040	4400.0	75	42286	No

72	GOM_TRA_1PNPDE20100402_051448_000000552088_00148_42286_1139.N1	02-APR-2010 05:14:48	Bright	55.000	87	64Gam UMa	2.4330	11000.	110	42286	No
73	GOM_TRA_1PNPDE20100402_051636_000000412088_00148_42286_1140.N1	02-APR-2010 05:16:36	Bright	41.000	32	77Eps UMa	1.7630	11000.	82	42286	No
74	GOM_TRA_1PNPDE20100402_052256_000000402088_00148_42286_1141.N1	02-APR-2010 05:22:56	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42286	No
75	GOM_TRA_1PNPDE20100402_053224_000000372088_00148_42286_1136.N1	02-APR-2010 05:32:24	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	42286	No
76	GOM_TRA_1PNPDE20100402_053736_000000402088_00148_42286_1137.N1	02-APR-2010 05:37:36	Bright	40.000	19	50Alp Cyg	1.2460	10500.	80	42286	No
77	GOM_TRA_1PNPDE20100402_053916_000000632088_00148_42286_1138.N1	02-APR-2010 05:39:16	Bright	63.000	66	37Gam Cyg	2.2080	5900.0	126	42286	No
78	GOM_TRA_1PNPDE20100402_054119_000000452088_00148_42286_1139.N1	02-APR-2010 05:41:19	Bright	45.000	92	53Eps Cyg	2.5000	4500.0	90	42286	No
79	GOM_TRA_1PNPDE20100402_054754_000000532088_00148_42286_1140.N1	02-APR-2010 05:47:54	Twilight	52.500	61	8Eps Peg	2.1000	3900.0	105	42286	No
80	GOM_TRA_1PNPDE20100402_055231_000000452088_00148_42286_1141.N1	02-APR-2010 05:52:31	Dark	44.500	154	22Bet Aqr	2.8990	5700.0	89	42286	No
81	GOM_TRA_1PNPDE20100402_060553_000000262088_00148_42286_1142.N1	02-APR-2010 06:05:53	Dark	26.000	57	34Sig Sgr	2.0660	26000.	52	42286	No
82	GOM_TRA_1PNPDE20100402_060926_000000562088_00149_42287_1143.N1	02-APR-2010 06:09:26	Dark	55.500	38	20Eps Sgr	1.8360	11000.	111	42287	No
83	GOM_TRA_1PNPDE20100402_061311_000000522088_00149_42287_1144.N1	02-APR-2010 06:13:11	Dark	51.500	40	The Sco	1.8590	7100.0	103	42287	No
84	GOM_TRA_1PNPDE20100402_061643_000000402088_00149_42287_1145.N1	02-APR-2010 06:16:43	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	42287	No
85	GOM_TRA_1PNPDE20100402_061921_000000442088_00149_42287_1146.N1	02-APR-2010 06:19:21	Dark	44.000	4	Alp1Cen	-0.010000	5800.0	88	42287	No
86	GOM_TRA_1PNPDE20100402_062208_000000462088_00149_42287_1147.N1	02-APR-2010 06:22:08	Straylight	45.500	78	Alp Lup	2.3040	28000.	91	42287	No
87	GOM_TRA_1PNPDE20100402_062344_000000472088_00149_42287_1148.N1	02-APR-2010 06:23:44	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	42287	No
88	GOM_TRA_1PNPDE20100402_062627_000000552088_00149_42287_1149.N1	02-APR-2010 06:26:27	Straylight	55.000	54	5The Cen	2.0550	4500.0	110	42287	No
89	GOM_TRA_1PNPDE20100402_063222_000000462088_00149_42287_1150.N1	02-APR-2010 06:32:22	Twilight	46.000	106	9Bet Crv	2.6480	5600.0	92	42287	No
90	GOM_TRA_1PNPDE20100402_063419_000000452088_00149_42287_1151.N1	02-APR-2010 06:34:19	Twilight	44.500	100	4Gam Crv	2.5800	13100.	89	42287	No
91	GOM_TRA_1PNPDE20100402_063607_000000662088_00149_42287_1152.N1	02-APR-2010 06:36:07	Bright	66.000	15	67Alp Vir	0.97600	28000.	132	42287	No
92	GOM_TRA_1PNPDE20100402_063920_000000452088_00149_42287_1153.N1	02-APR-2010 06:39:20	Bright	44.500	121	29Gam Vir	2.7400	7200.0	89	42287	No
93	GOM_TRA_1PNPDE20100402_064358_000000402088_00149_42287_1154.N1	02-APR-2010 06:43:58	Bright	40.000	62	94Bet Leo	2.1360	9700.0	80	42287	No
94	GOM_TRA_1PNPDE20100402_065224_000000382088_00149_42287_1155.N1	02-APR-2010 06:52:24	Bright	38.000	174	52Psi UMa	3.0040	4400.0	76	42287	No
95	GOM_TRA_1PNPDE20100402_065524_000000392088_00149_42287_1156.N1	02-APR-2010 06:55:24	Bright	39.000	87	64Gam UMa	2.4330	11000.	78	42287	No
96	GOM_TRA_1PNPDE20100402_065712_000000412088_00149_42287_1157.N1	02-APR-2010 06:57:12	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	42287	No
97	GOM_TRA_1PNPDE20100402_070331_000000402088_00149_42287_1158.N1	02-APR-2010 07:03:31	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	42287	No
98	GOM_TRA_1PNPDE20100402_194700_000000472088_00157_42295_1243.N1	02-APR-2010 19:47:00	Straylight	47.000	78	Alp Lup	2.3040	28000.	94	42295	Yes
99	GOM_TRA_1PNPDE20100402_194836_000000472088_00157_42295_1244.N1	02-APR-2010 19:48:36	Straylight	47.000	81	Eta Cen	2.3560	28000.	94	42295	No
100	GOM_TRA_1PNPDE20100402_195118_000000522088_00157_42295_1245.N1	02-APR-2010 19:51:18	Straylight	52.000	54	5The Cen	2.0550	4500.0	104	42295	No
101	GOM_TRA_1PNPDE20100402_195711_000000472088_00157_42295_1246.N1	02-APR-2010 19:57:11	Twilight	46.500	106	9Bet Crv	2.6480	5600.0	93	42295	No
102	GOM_TRA_1PNPDE20100402_195908_000000442088_00157_42295_1247.N1	02-APR-2010 19:59:08	Twilight	44.000	100	4Gam Crv	2.5800	13100.	88	42295	No
103	GOM_TRA_1PNPDE20100402_200054_000000612088_00157_42295_1248.N1	02-APR-2010 20:00:54	Bright	61.000	15	67Alp Vir	0.97600	28000.	122	42295	No
104	GOM_TRA_1PNPDE20100402_200407_000000442088_00157_42295_1249.N1	02-APR-2010 20:04:07	Bright	44.000	121	29Gam Vir	2.7400	7200.0	88	42295	No
105	GOM_TRA_1PNPDE20100402_200845_000000392088_00157_42295_1250.N1	02-APR-2010 20:08:45	Bright	38.500	62	94Bet Leo	2.1360	9700.0	77	42295	No
106	GOM_TRA_1PNPDE20100402_201714_000000352088_00157_42295_1251.N1	02-APR-2010 20:17:14	Bright	35.000	174	52Psi UMa	3.0040	4400.0	70	42295	No
107	GOM_TRA_1PNPDE20100402_202009_000000372088_00157_42295_1252.N1	02-APR-2010 20:20:09	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	42295	No
108	GOM_TRA_1PNPDE20100402_202156_000000432088_00157_42295_1253.N1	02-APR-2010 20:21:56	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	42295	No
109	GOM_TRA_1PNPDE20100402_202816_000000422088_00157_42295_1254.N1	02-APR-2010 20:28:16	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	42295	No
110	GOM_TRA_1PNPDE20100402_203747_000000362088_00157_42295_1255.N1	02-APR-2010 20:37:47	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	42295	No
111	GOM_TRA_1PNPDE20100402_204259_000000392088_00157_42295_1256.N1	02-APR-2010 20:42:59	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	42295	No
112	GOM_TRA_1PNPDE20100402_204439_000000462088_00157_42295_1257.N1	02-APR-2010 20:44:39	Bright	45.500	66	37Gam Cyg	2.2080	5900.0	91	42295	No
113	GOM_TRA_1PNPDE20100402_204643_000000462088_00157_42295_1258.N1	02-APR-2010 20:46:43	Bright	45.500	92	53Eps Cyg	2.5000	4500.0	91	42295	No
114	GOM_TRA_1PNPDE20100402_205320_000000462088_00157_42295_1260.N1	02-APR-2010 20:53:20	Twilight	46.000	61	8Eps Peg	2.1000	3900.0	92	42295	Yes
115	GOM_TRA_1PNPDE20100402_205758_000000452088_00157_42295_1261.N1	02-APR-2010 20:57:58	Dark	45.000	154	22Bet Aqr	2.8990	5700.0	90	42295	No
116	GOM_TRA_1PNPDE20100402_211127_000000542088_00157_42295_1262.N1	02-APR-2010 21:11:27	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	42295	No
117	GOM_TRA_1PNPDE20100402_211502_000000562088_00158_42296_1263.N1	02-APR-2010 21:15:02	Dark	56.000	38	20Eps Sgr	1.8360	11000.	112	42296	No
118	GOM_TRA_1PNPDE20100402_211844_000000532088_00158_42296_1264.N1	02-APR-2010 21:18:44	Dark	52.500	40	The Sco	1.8590	7100.0	105	42296	No
119	GOM_TRA_1PNPDE20100402_212211_000000412088_00158_42296_1265.N1	02-APR-2010 21:22:11	Dark	40.500	134	Bet TrA	2.8100	6600.0	81	42296	No
120	GOM_TRA_1PNPDE20100402_212736_000000482088_00158_42296_1266.N1	02-APR-2010 21:27:36	Straylight	47.500	78	Alp Lup	2.3040	28000.	95	42296	No
121	GOM_TRA_1PNPDE20100402_212913_000000482088_00158_42296_1267.N1	02-APR-2010 21:29:13	Straylight	48.000	81	Eta Cen	2.3560	28000.	96	42296	No
122	GOM_TRA_1PNPDE20100402_213154_000000532088_00158_42296_1268.N1	02-APR-2010 21:31:54	Straylight	53.000	54	5The Cen	2.0550	4500.0	106	42296	No
123	GOM_TRA_1PNPDE20100402_213747_000000442088_00158_42296_1269.N1	02-APR-2010 21:37:47	Twilight	44.000	106	9Bet Crv	2.6480	5600.0	88	42296	No
124	GOM_TRA_1PNPDE20100402_213944_000000432088_00158_42296_1270.N1	02-APR-2010 21:39:44	Twilight	43.000	100	4Gam Crv	2.5800	13100.	86	42296	No
125	GOM_TRA_1PNPDE20100402_214130_000000692088_00158_42296_1271.N1	02-APR-2010 21:41:30	Bright	69.000	15	67Alp Vir	0.97600	28000.	138	42296	No
126	GOM_TRA_1PNPDE20100402_214443_000000442088_00158_42296_1272.N1	02-APR-2010 21:44:43	Bright	43.500	121	29Gam Vir	2.7400	7200.0	87	42296	No
127	GOM_TRA_1PNPDE20100402_214921_000000552088_00158_42296_1273.N1	02-APR-2010 21:49:21	Bright	55.000	62	94Bet Leo	2.1360	9700.0	110	42296	No
128	GOM_TRA_1PNPDE20100402_215747_000000432088_00158_42296_1274.N1	02-APR-2010 21:57:47	Bright	43.000	152	12Alp2CVn	2.8900	11000.	86	42296	No
129	GOM_TRA_1PNPDE20100402_220045_000000372088_00158_42296_1275.N1	02-APR-2010 22:00:45	Bright	37.000	87	64Gam UMa	2.4330	11000.	74	42296	No
130	GOM_TRA_1PNPDE20100402_220231_000000412088_00158_42296_1276.N1	02-APR-2010 22:02:31	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	42296	No

131	GOM_TRA_1PNPDE20100402_220852_000000412088_00158_42296_1277.N1	02-APR-2010 22:08:52	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	42296	No
132	GOM_TRA_1PNPDE20100402_221823_000000372088_00158_42296_1278.N1	02-APR-2010 22:18:23	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	42296	No
133	GOM_TRA_1PNPDE20100402_222335_000000442088_00158_42296_1279.N1	02-APR-2010 22:23:35	Bright	44.000	19	50Alp Cyg	1.2460	10500.	88	42296	No
134	GOM_TRA_1PNPDE20100402_222515_000000462088_00158_42296_1280.N1	02-APR-2010 22:25:15	Bright	46.000	66	37Gam Cyg	2.2080	5900.0	92	42296	No
135	GOM_TRA_1PNPDE20100402_222719_000000452088_00158_42296_1281.N1	02-APR-2010 22:27:19	Bright	45.000	92	53Eps Cyg	2.5000	4500.0	90	42296	No
136	GOM_TRA_1PNPDE20100402_223356_000000472088_00158_42296_1282.N1	02-APR-2010 22:33:56	Twilight	46.500	61	8Eps Peg	2.1000	3900.0	93	42296	No
137	GOM_TRA_1PNPDE20100402_223834_000000422088_00158_42296_1283.N1	02-APR-2010 22:38:34	Dark	41.500	154	22Bet Aqr	2.8990	5700.0	83	42296	No
138	GOM_TRA_1PNPDE20100402_225204_000000532088_00158_42296_1285.N1	02-APR-2010 22:52:04	Dark	52.500	103	38Zet Sgr	2.6000	9700.0	105	42296	No
139	GOM_TRA_1PNPDE20100402_225539_000000552088_00159_42297_1286.N1	02-APR-2010 22:55:39	Dark	55.000	38	20Eps Sgr	1.8360	11000.	110	42297	No
140	GOM_TRA_1PNPDE20100402_225921_000000522088_00159_42297_1287.N1	02-APR-2010 22:59:21	Dark	51.500	40	The Sco	1.8590	7100.0	103	42297	No
141	GOM_TRA_1PNPDE20100402_230247_000000412088_00159_42297_1288.N1	02-APR-2010 23:02:47	Dark	40.500	134	Bet TrA	2.8100	6600.0	81	42297	No
142	GOM_TRA_1PNPDE20100402_230813_000000472088_00159_42297_1289.N1	02-APR-2010 23:08:13	Straylight	47.000	78	Alp Lup	2.3040	28000.	94	42297	No
143	GOM_TRA_1PNPDE20100402_230949_000000482088_00159_42297_1290.N1	02-APR-2010 23:09:49	Straylight	47.500	81	Eta Cen	2.3560	28000.	95	42297	No
144	GOM_TRA_1PNPDE20100402_231231_000000522088_00159_42297_1291.N1	02-APR-2010 23:12:31	Straylight	51.500	54	5The Cen	2.0550	4500.0	103	42297	No
145	GOM_TRA_1PNPDE20100402_231823_000000462088_00159_42297_1292.N1	02-APR-2010 23:18:23	Twilight	46.000	106	9Bet Crv	2.6480	5600.0	92	42297	No
146	GOM_TRA_1PNPDE20100402_232020_000000442088_00159_42297_1293.N1	02-APR-2010 23:20:20	Twilight	44.000	100	4Gam Crv	2.5800	13100.	88	42297	No
147	GOM_TRA_1PNPDE20100402_232206_000000662088_00159_42297_1294.N1	02-APR-2010 23:22:06	Bright	65.500	15	67Alp Vir	0.97600	28000.	131	42297	No
148	GOM_TRA_1PNPDE20100402_232518_000000442088_00159_42297_1295.N1	02-APR-2010 23:25:18	Bright	44.000	121	29Gam Vir	2.7400	7200.0	88	42297	No
149	GOM_TRA_1PNPDE20100402_232956_000000392088_00159_42297_1296.N1	02-APR-2010 23:29:56	Bright	38.500	62	94Bet Leo	2.1360	9700.0	77	42297	No
150	GOM_TRA_1PNPDE20100402_233822_000000432088_00159_42297_1297.N1	02-APR-2010 23:38:22	Bright	43.000	152	12Alp2CVn	2.8900	11000.	86	42297	No
151	GOM_TRA_1PNPDE20100402_234120_000000382088_00159_42297_1298.N1	02-APR-2010 23:41:20	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	42297	No
152	GOM_TRA_1PNPDE20100402_234307_000000422088_00159_42297_1299.N1	02-APR-2010 23:43:07	Bright	41.500	32	77Eps UMa	1.7630	11000.	83	42297	No
153	GOM_TRA_1PNPDE20100402_234927_000000402088_00159_42297_1300.N1	02-APR-2010 23:49:27	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	42297	No
154	GOM_TRA_1PNPDE20100402_235858_000000392088_00159_42297_1301.N1	02-APR-2010 23:58:58	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	42297	No

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



4. Overview of dark signal processing per product

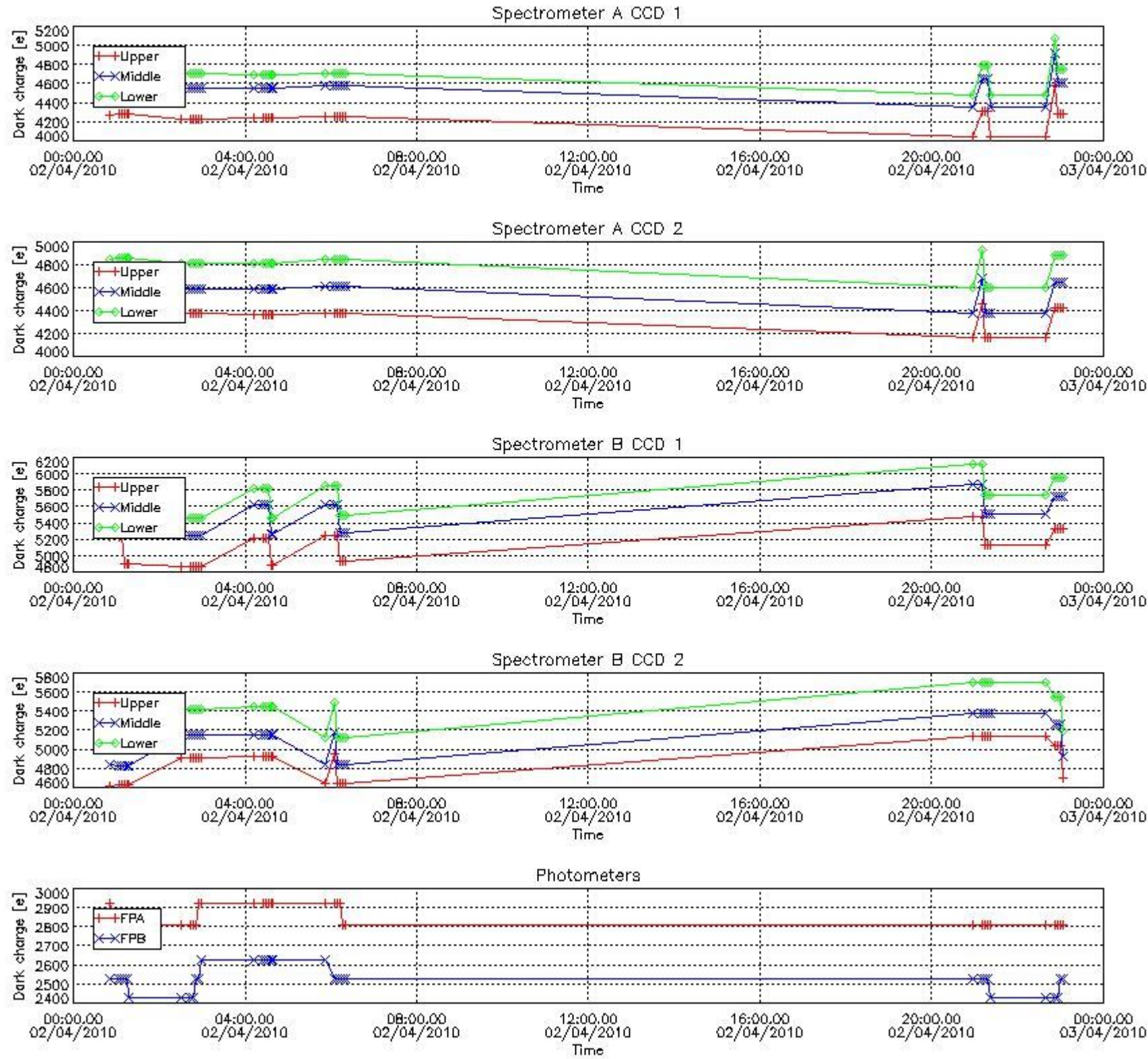
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100402_194700_000000472088_00157_42295_1243.N1	DC map with no T dep.
GOM_TRA_1PNPDE20100402_194836_000000472088_00157_42295_1244.N1	DC map used
GOM_TRA_1PNPDE20100402_195118_000000522088_00157_42295_1245.N1	DC map used
GOM_TRA_1PNPDE20100402_195711_000000472088_00157_42295_1246.N1	DC map used
GOM_TRA_1PNPDE20100402_195908_000000442088_00157_42295_1247.N1	DC map used
GOM_TRA_1PNPDE20100402_200054_000000612088_00157_42295_1248.N1	DC map used
GOM_TRA_1PNPDE20100402_200407_000000442088_00157_42295_1249.N1	DC map used
GOM_TRA_1PNPDE20100402_200845_000000392088_00157_42295_1250.N1	DC map used
GOM_TRA_1PNPDE20100402_201714_000000352088_00157_42295_1251.N1	DC map used
GOM_TRA_1PNPDE20100402_202009_000000372088_00157_42295_1252.N1	DC map used
GOM_TRA_1PNPDE20100402_202156_000000432088_00157_42295_1253.N1	DC map used
GOM_TRA_1PNPDE20100402_202816_000000422088_00157_42295_1254.N1	DC map used
GOM_TRA_1PNPDE20100402_203747_000000362088_00157_42295_1255.N1	DC map used
GOM_TRA_1PNPDE20100402_204259_000000392088_00157_42295_1256.N1	DC map used
GOM_TRA_1PNPDE20100402_204439_000000462088_00157_42295_1257.N1	DC map used
GOM_TRA_1PNPDE20100402_204643_000000462088_00157_42295_1258.N1	DC map used

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



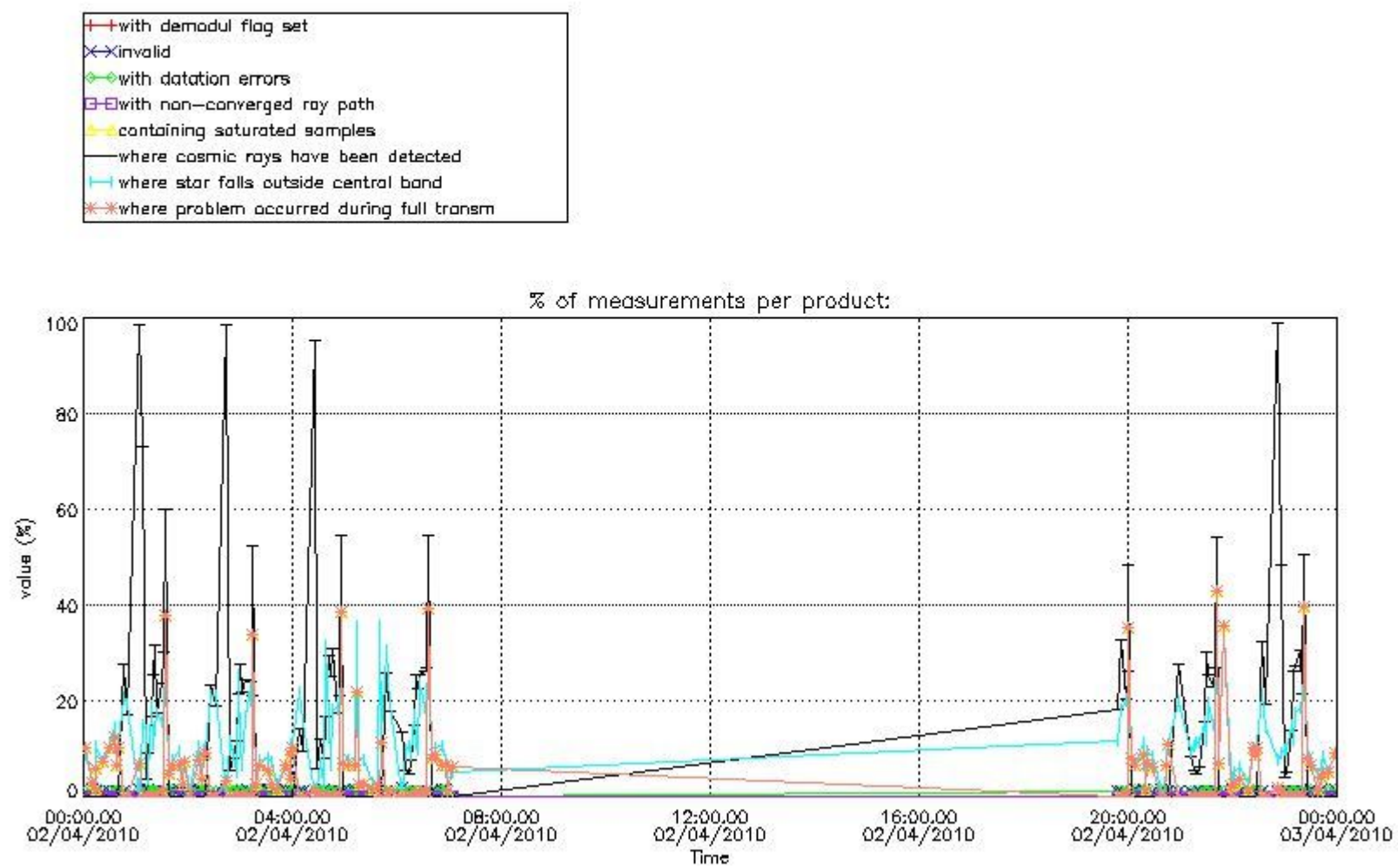
5. Demodulation flag and quality information monitoring

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.

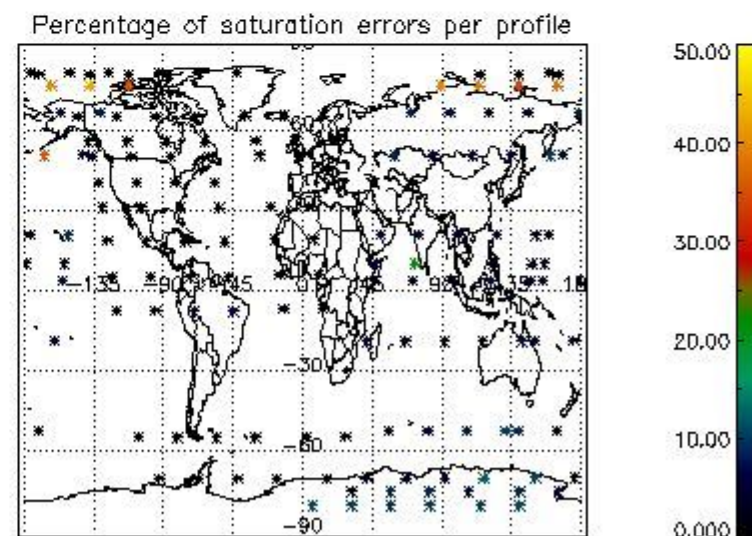
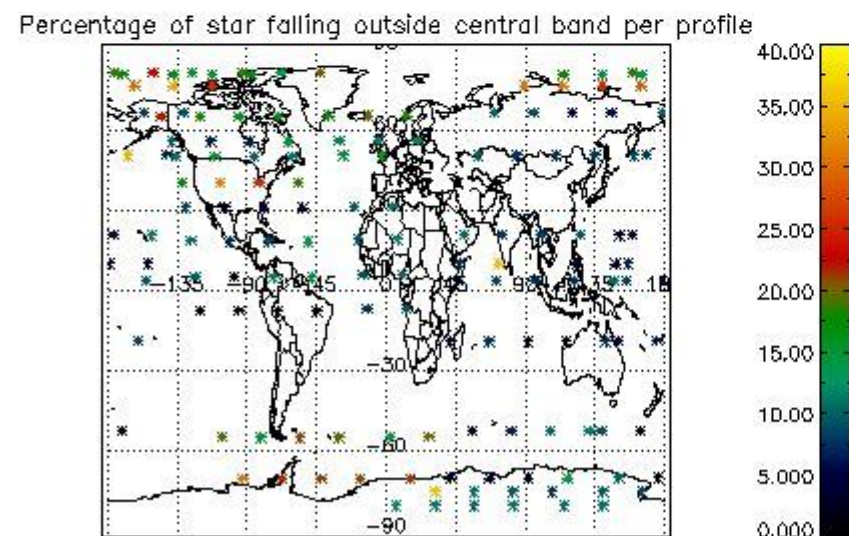
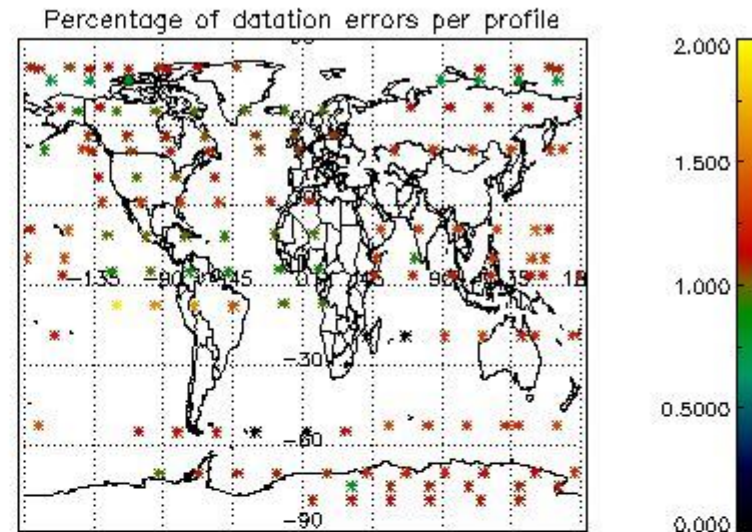
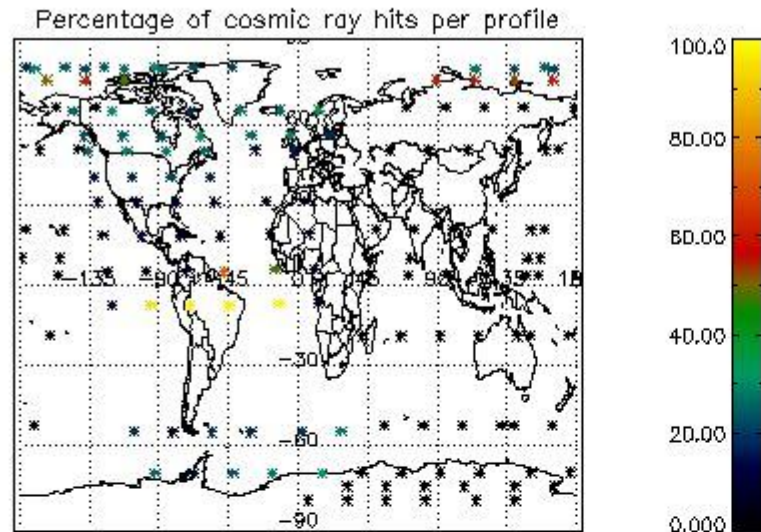
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	37.7483 %
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)



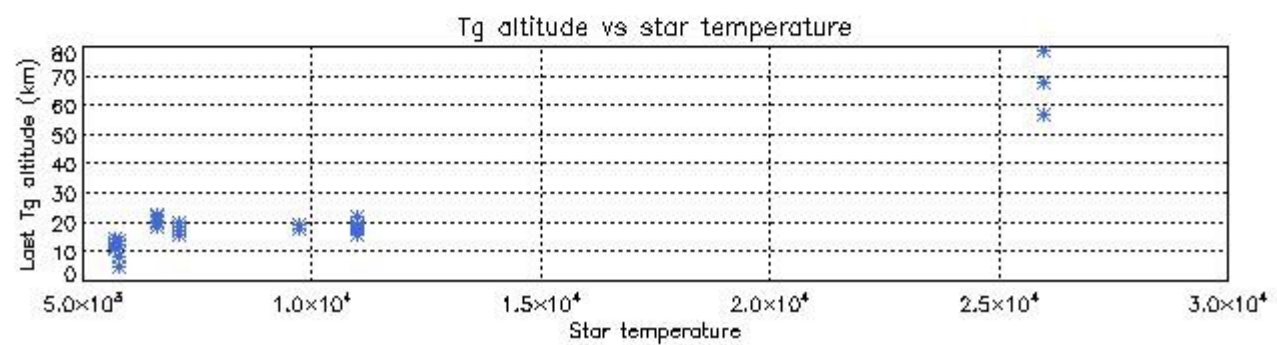
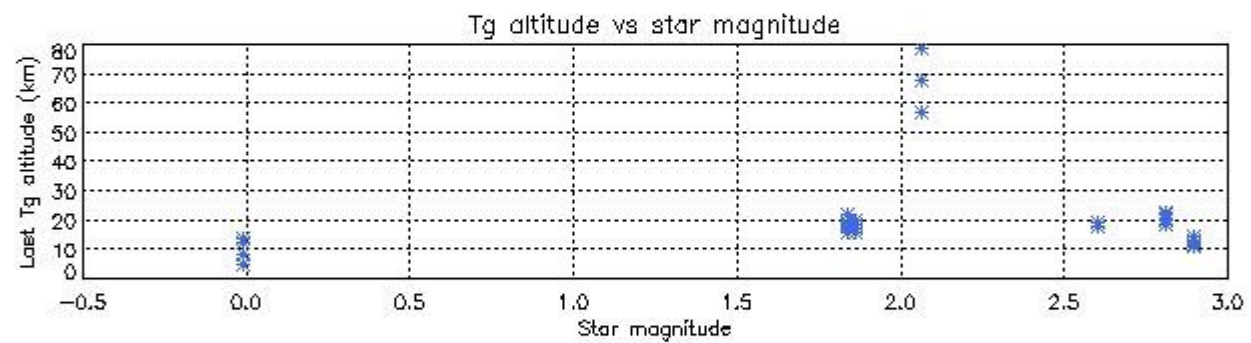
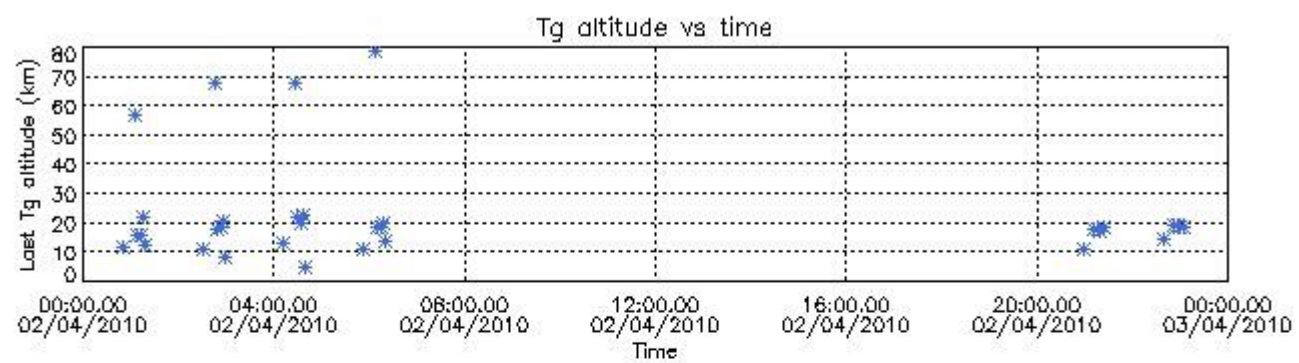
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	22.308	18.128	NaN
St. deviation:	17.553	5.1984	NaN
Maximum:	78.885	25.802	NaN
Minimum:	4.4867	3.4612	NaN
Number of data:	34.000	78.000	NaN

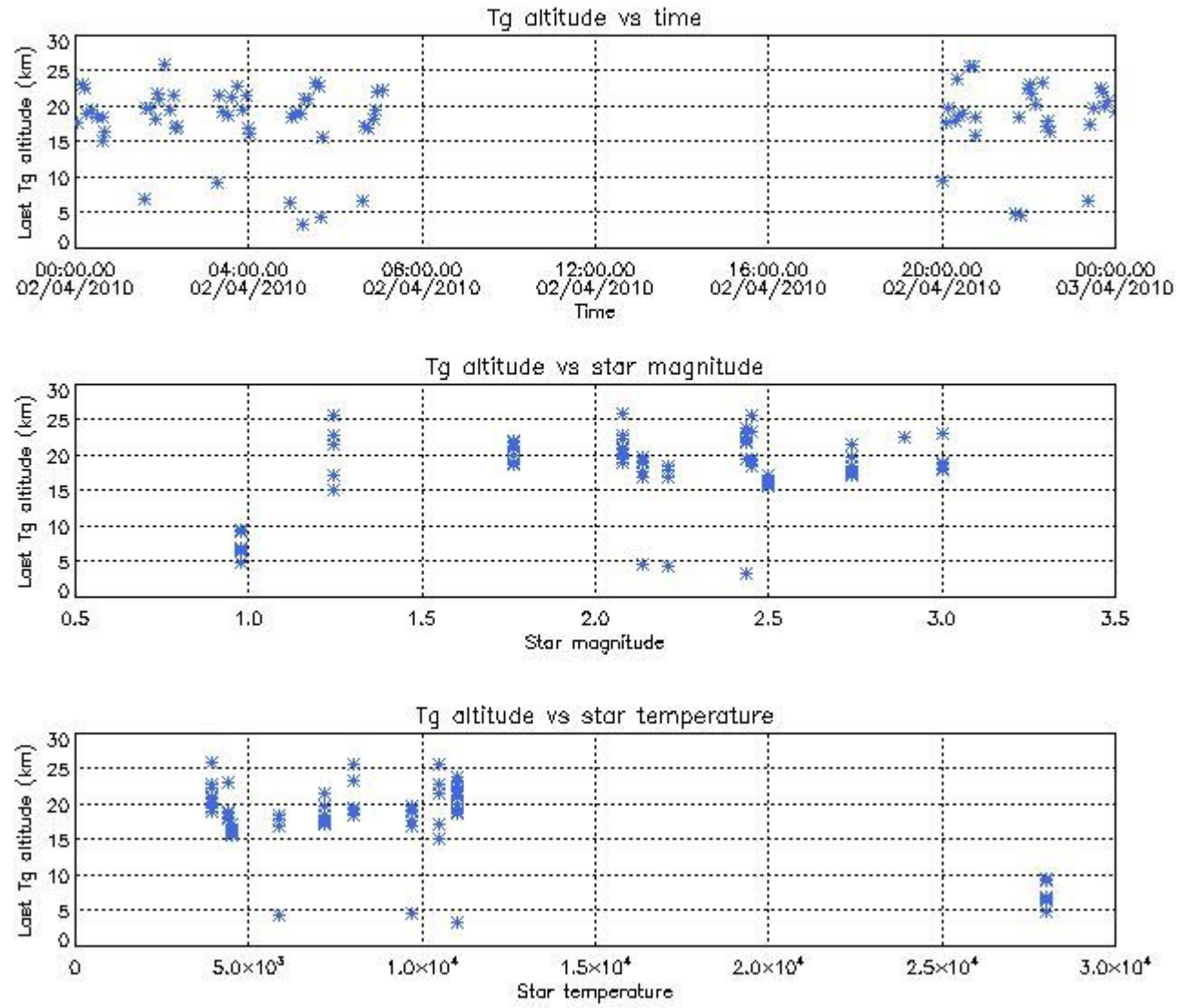
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

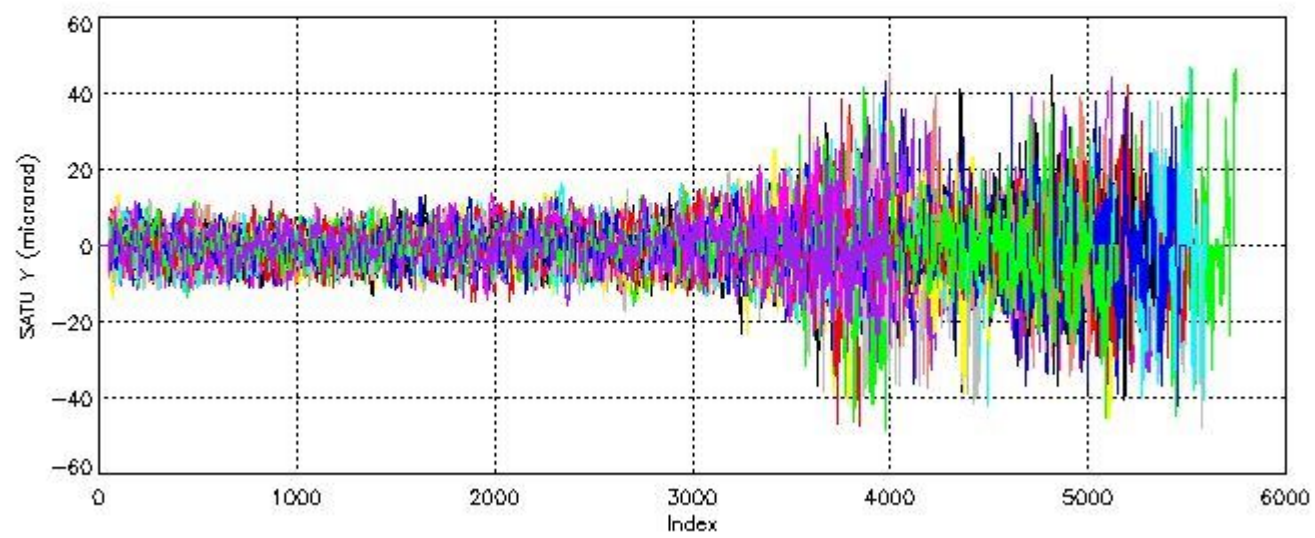
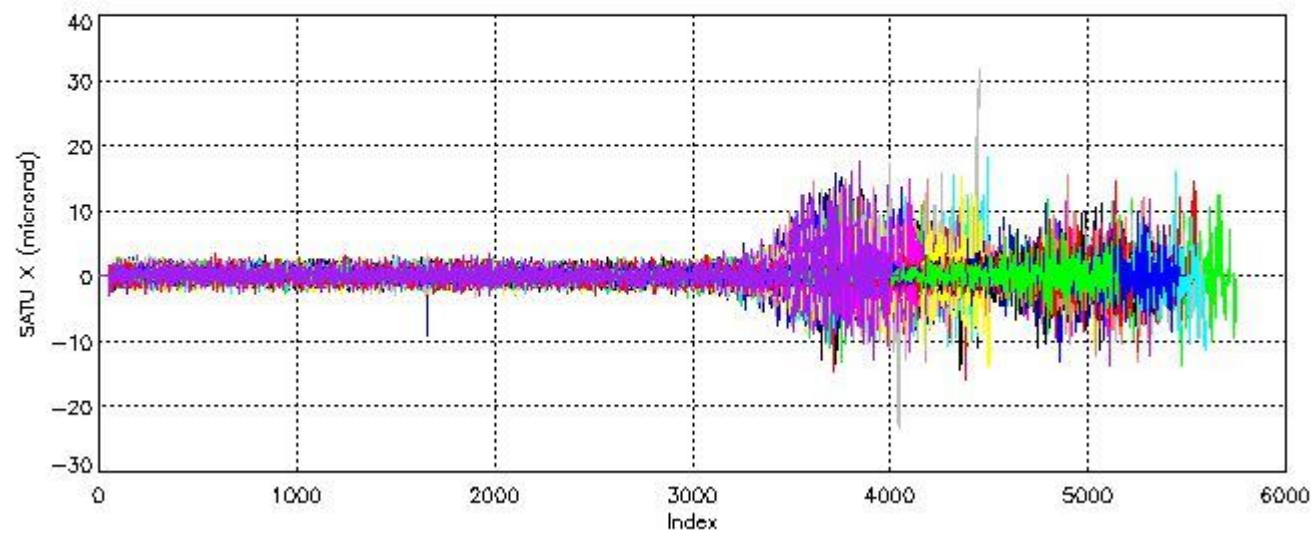


7. Star Acquisition and Tracking Unit (SATU)

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:	0.18609	-0.51282	0.18700	-0.48173
St. deviation:	0.61882	3.4473	0.70161	3.2466
Maximum:	3.5000	13.200	7.4000	13.100
Minimum:	-3.1000	-14.200	-5.1000	-14.200

Number of data:	37850.	37850.	74900.	74900.
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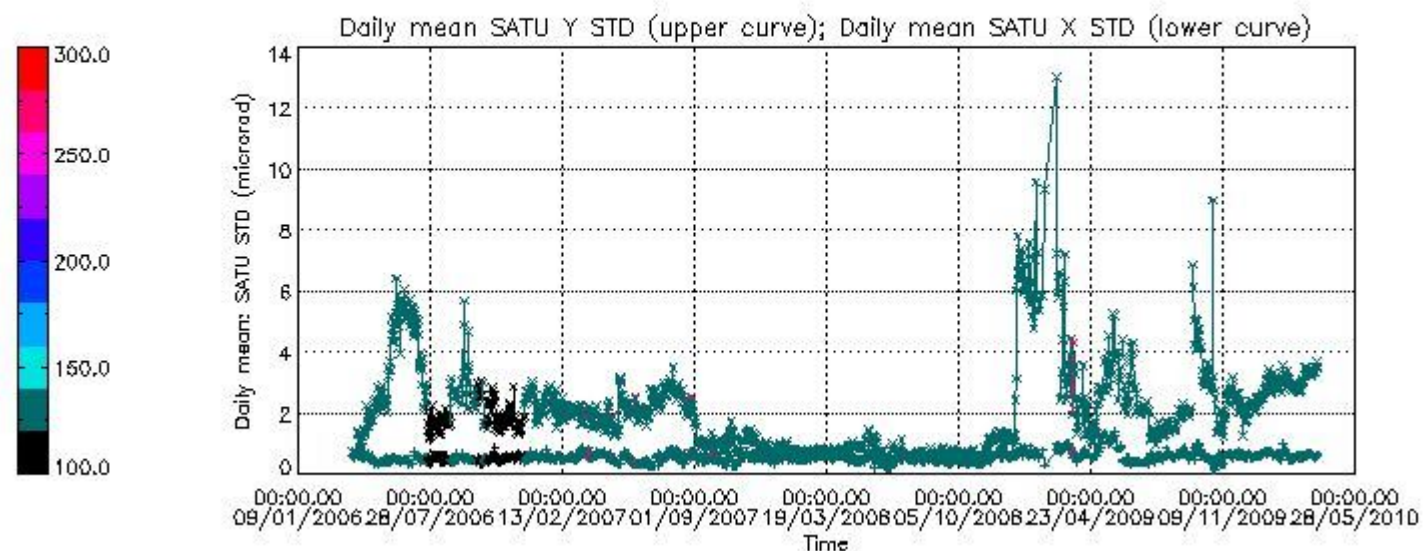
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

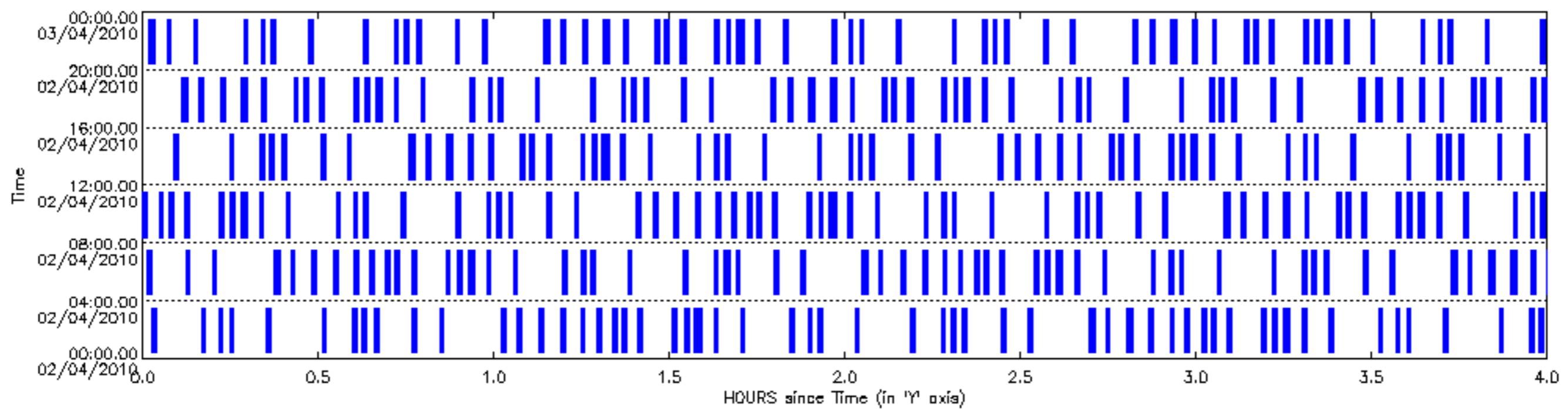
Lower curve: STD of SATU X axis

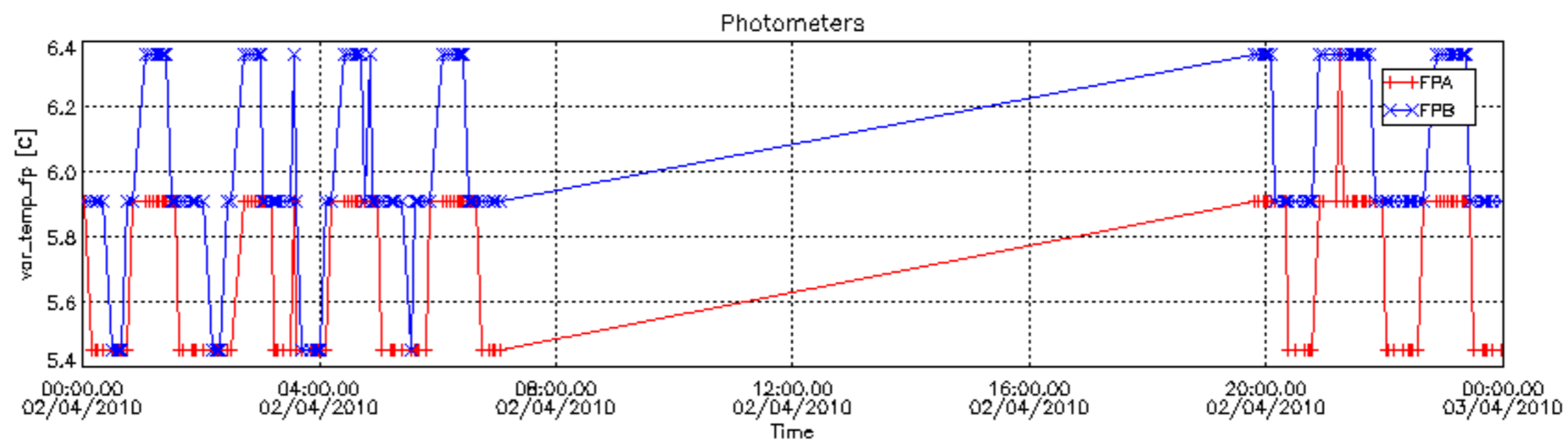
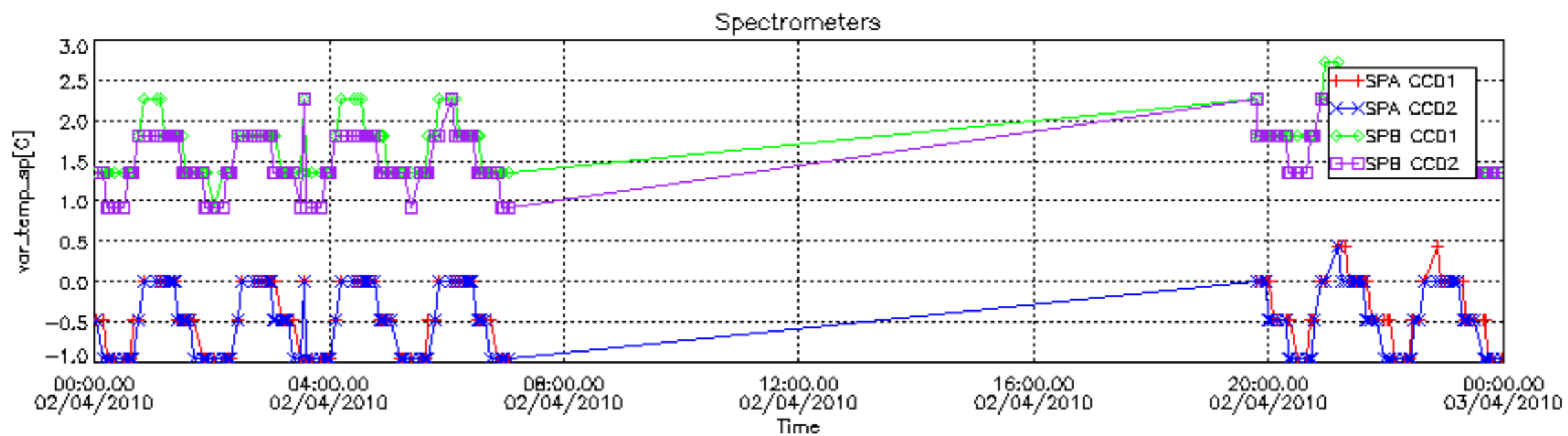


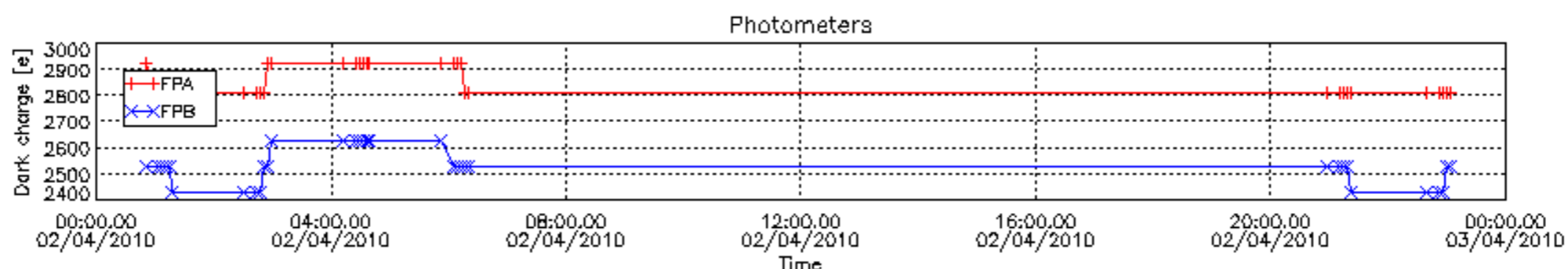
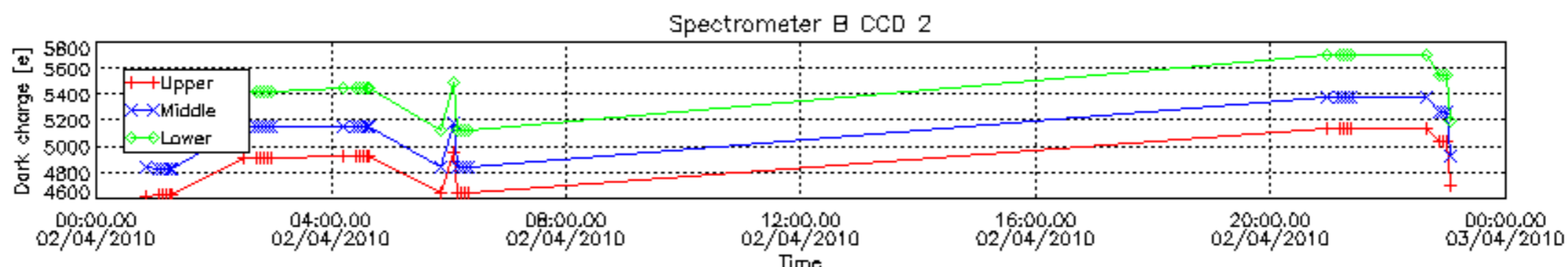
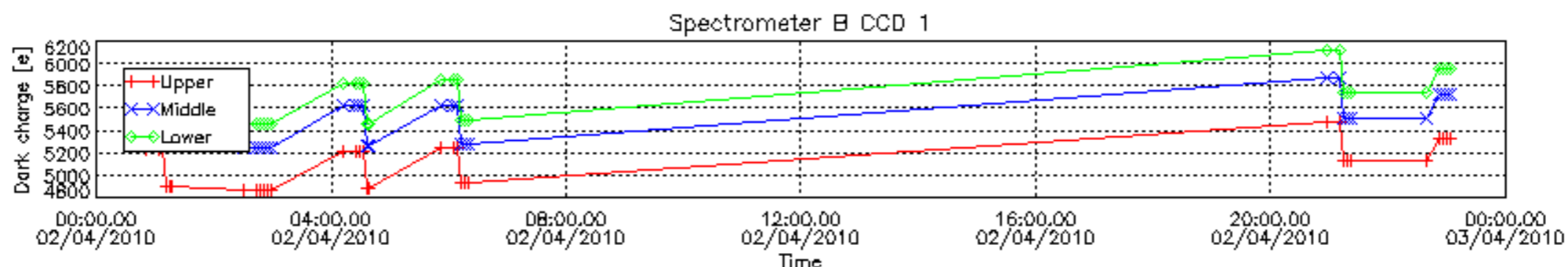
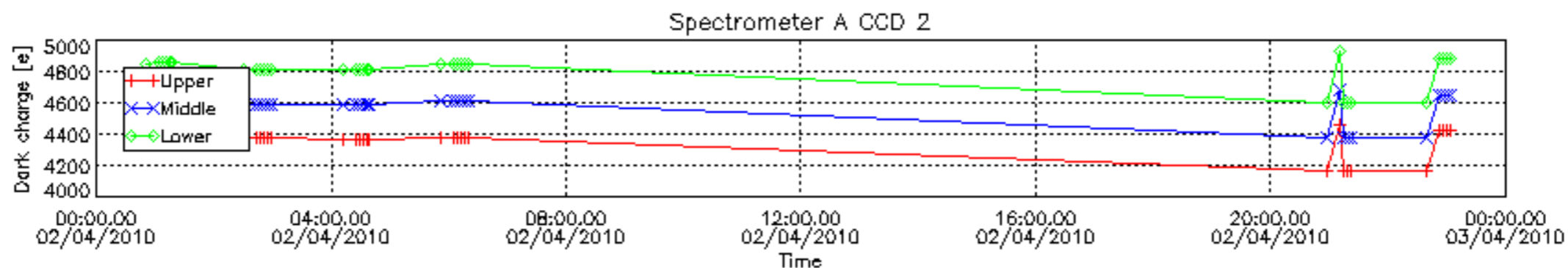
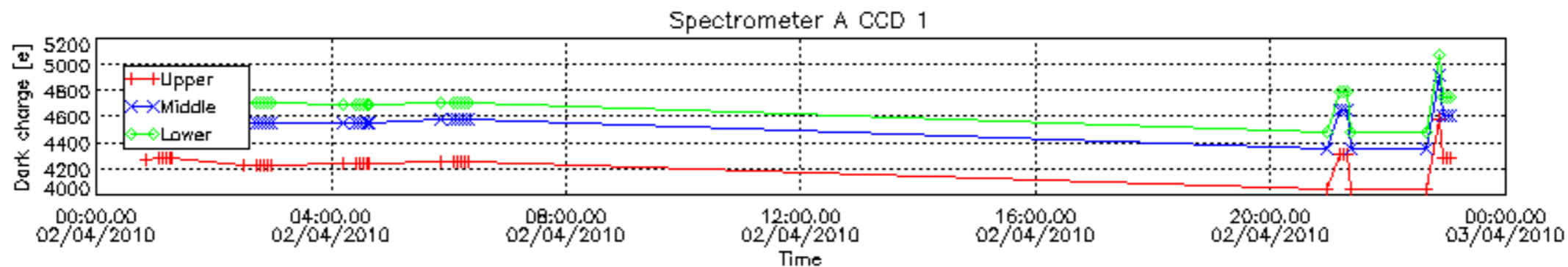
8. Auxiliary Data Files used for the production reported in section 2.4

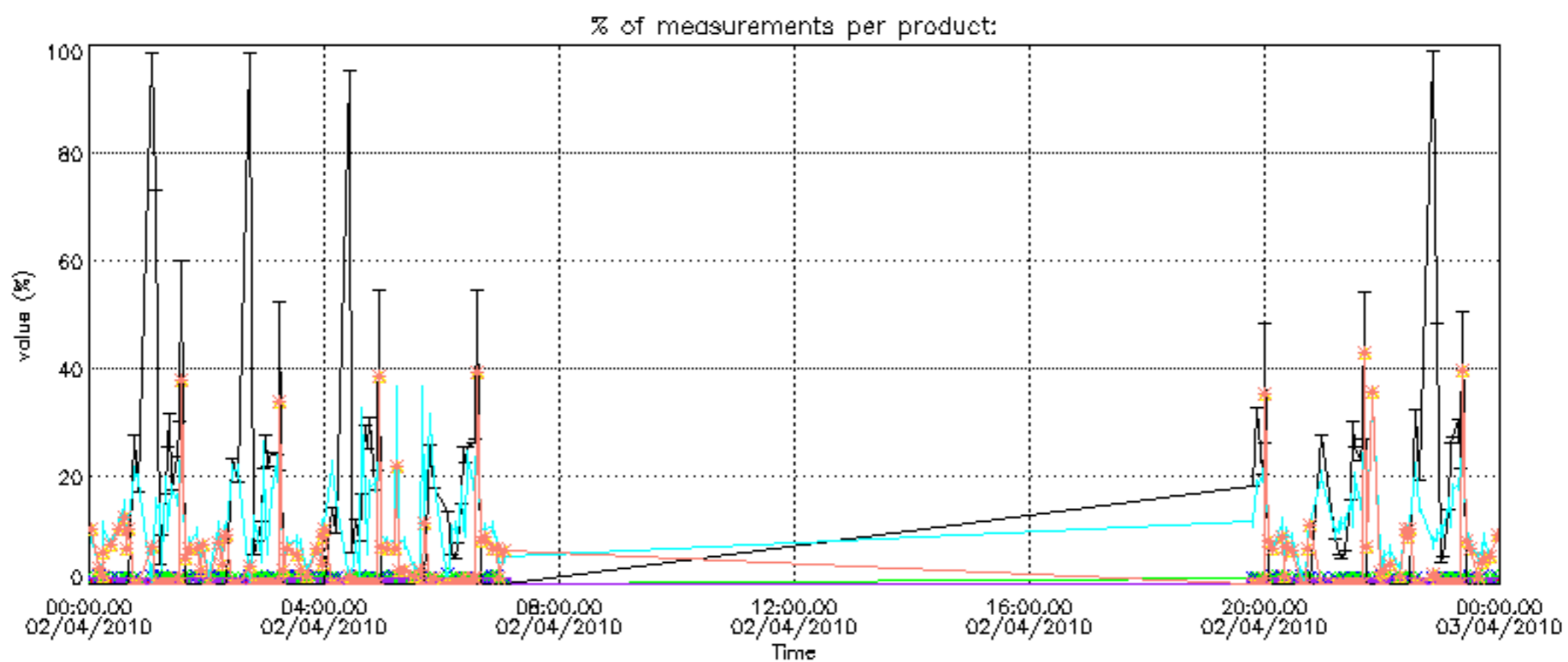
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	02-APR-2010 00:01:35
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100330_083348_20100328_000000_20500101_000000	1	02-APR-2010 00:01:35
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	02-APR-2010 00:01:35
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	02-APR-2010 00:01:35
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	02-APR-2010 00:01:35
ECMWF_FILE	AUX_ECF_AXNECM20100401_054116_20100401_210000_20100402_090000	1	02-APR-2010 00:01:35
ECMWF_FILE	AUX_ECF_AXNECM20100401_172118_20100402_030000_20100402_150000	49	02-APR-2010 03:34:12
ECMWF_FILE	AUX_ECA_AXNECM20100402_052118_20100401_210000_20100402_090000	75	02-APR-2010 05:32:24
ECMWF_FILE	AUX_ECA_AXNECM20100402_172119_20100402_090000_20100402_210000	98	02-APR-2010 19:47:00
ECMWF_FILE	AUX_ECF_AXNECM20100402_054117_20100402_150000_20100403_030000	114	02-APR-2010 20:53:20
ECMWF_FILE	AUX_ECF_AXNECM20100402_054117_20100402_210000_20100403_090000	138	02-APR-2010 22:52:04
OPTIONAL_ECMWF_FILE	MISSING	1	02-APR-2010 00:01:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100401_231219_000057382088_00144_42282_0080.N1	1	02-APR-2010 00:01:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100402_005316_000092452088_00145_42283_0081.N1	12	02-APR-2010 01:04:01
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100401_100118_20100331_185525_20100410_202137	49	02-APR-2010 03:34:12
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100402_194459_000038252088_00157_42295_0084.N1	98	02-APR-2010 19:47:00
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100402_100117_20100401_182347_20100411_213036	114	02-APR-2010 20:53:20
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100402_224019_000057382088_00158_42296_0086.N1	138	02-APR-2010 22:52:04

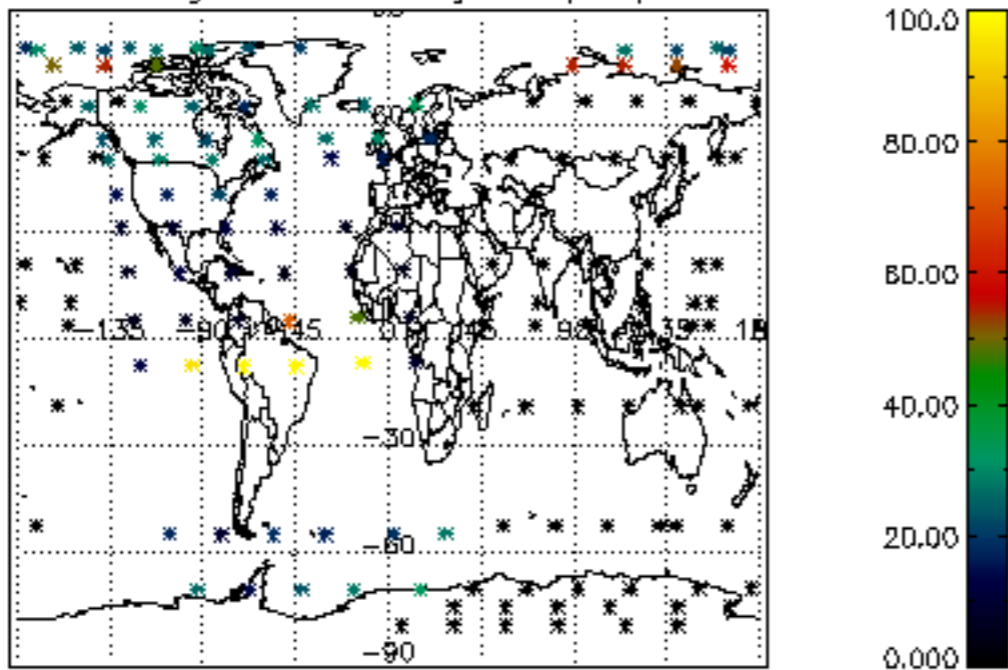




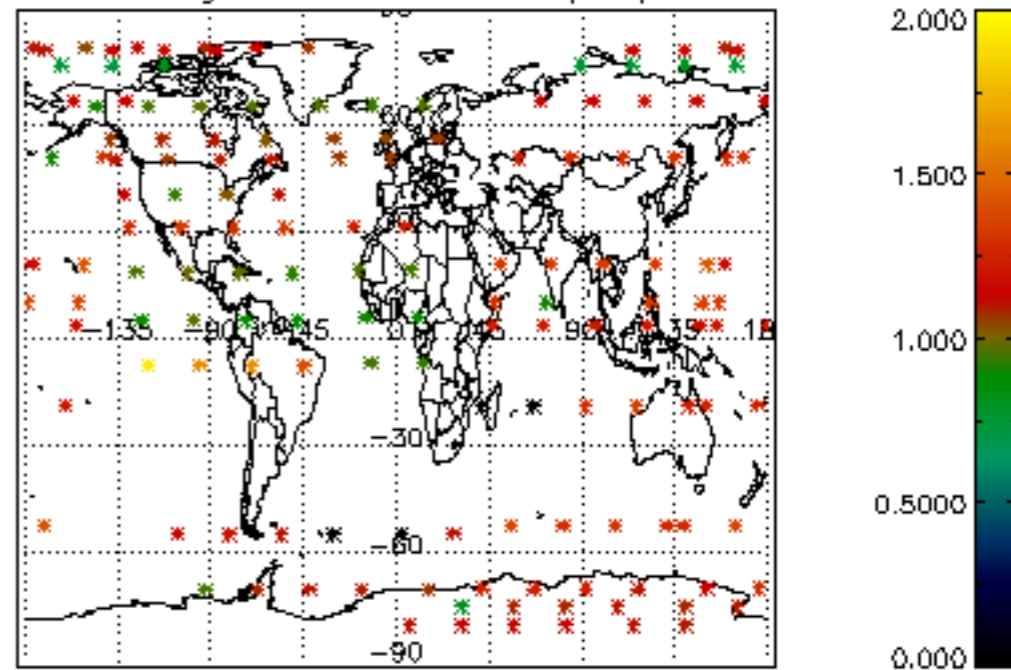




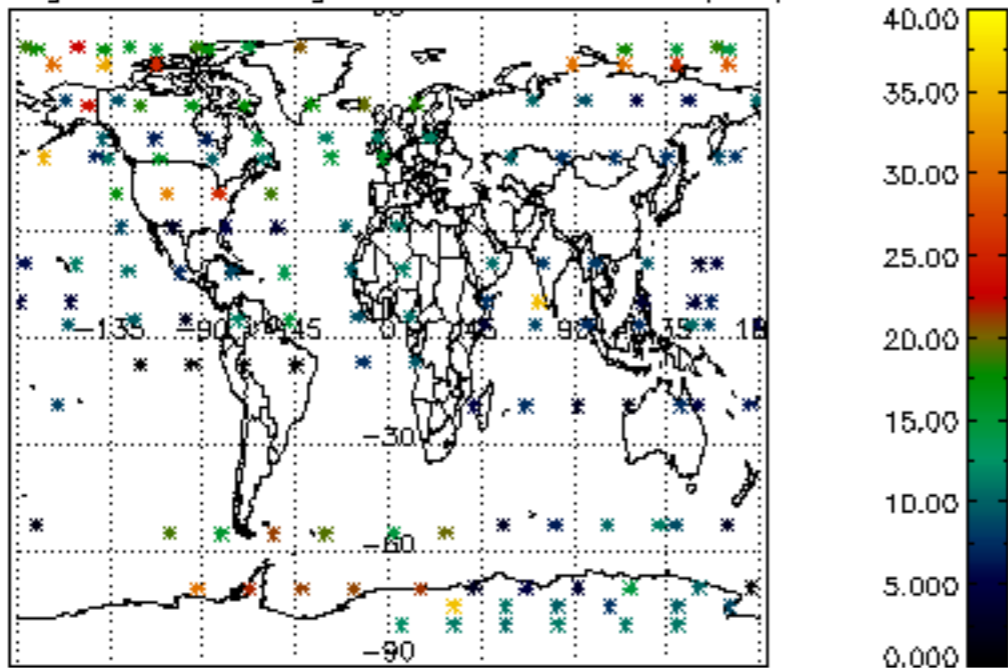
Percentage of cosmic ray hits per profile



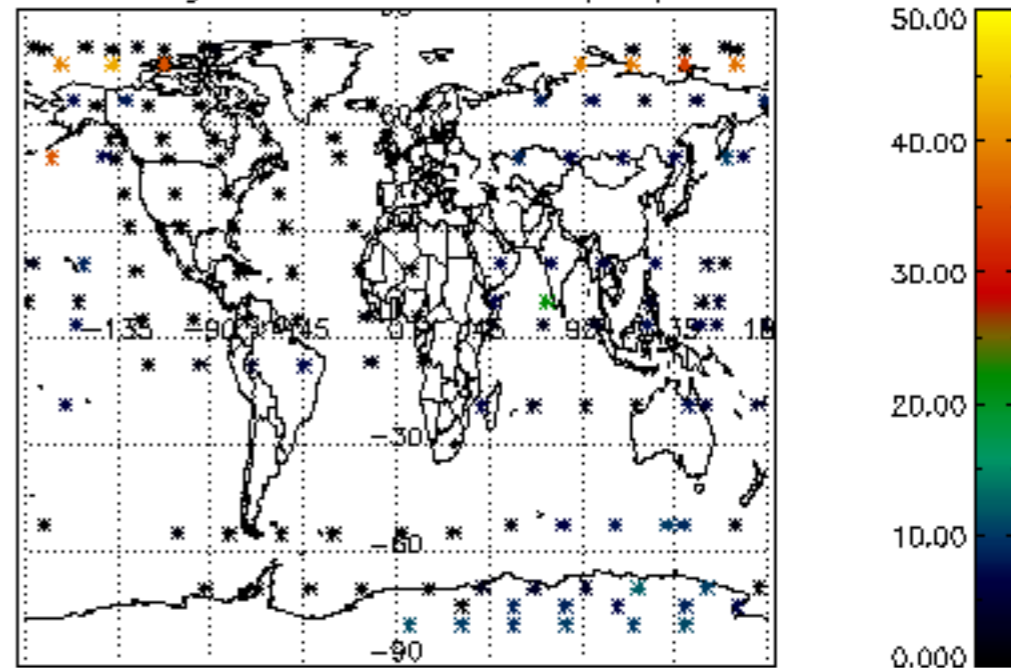
Percentage of datation errors per profile



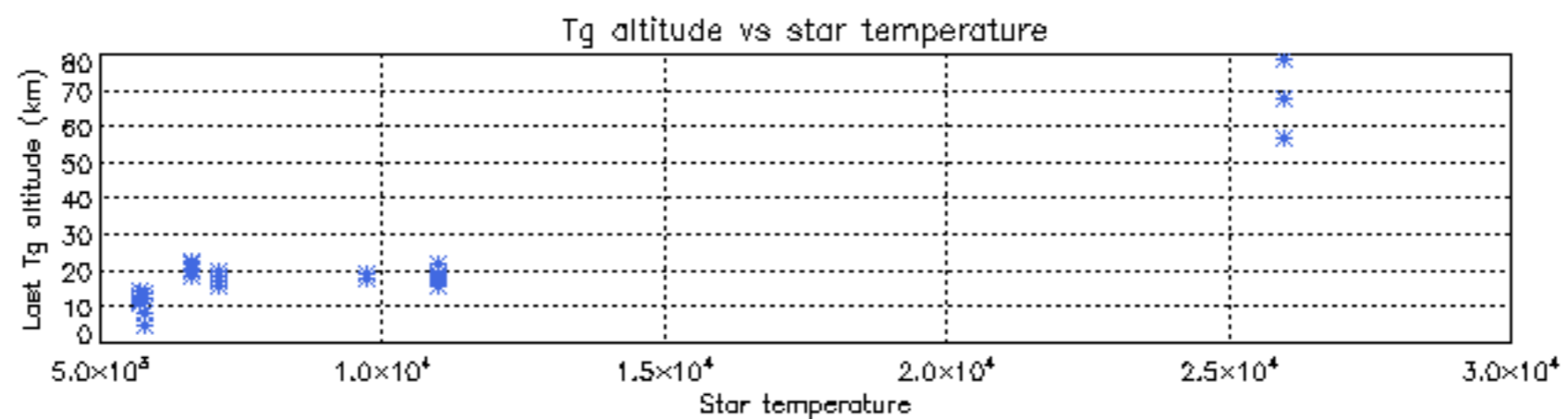
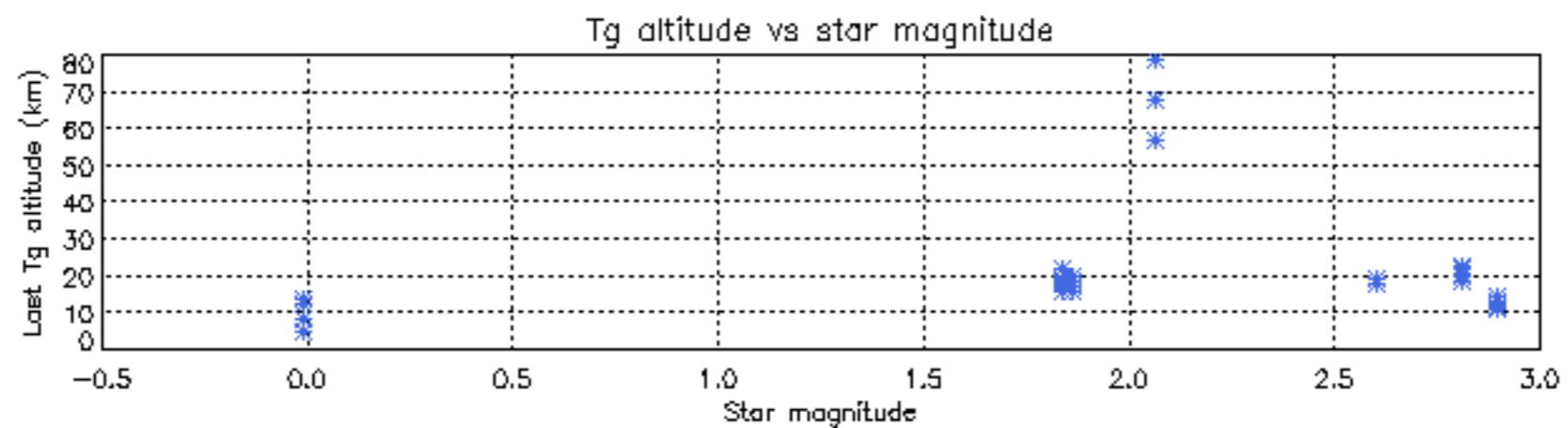
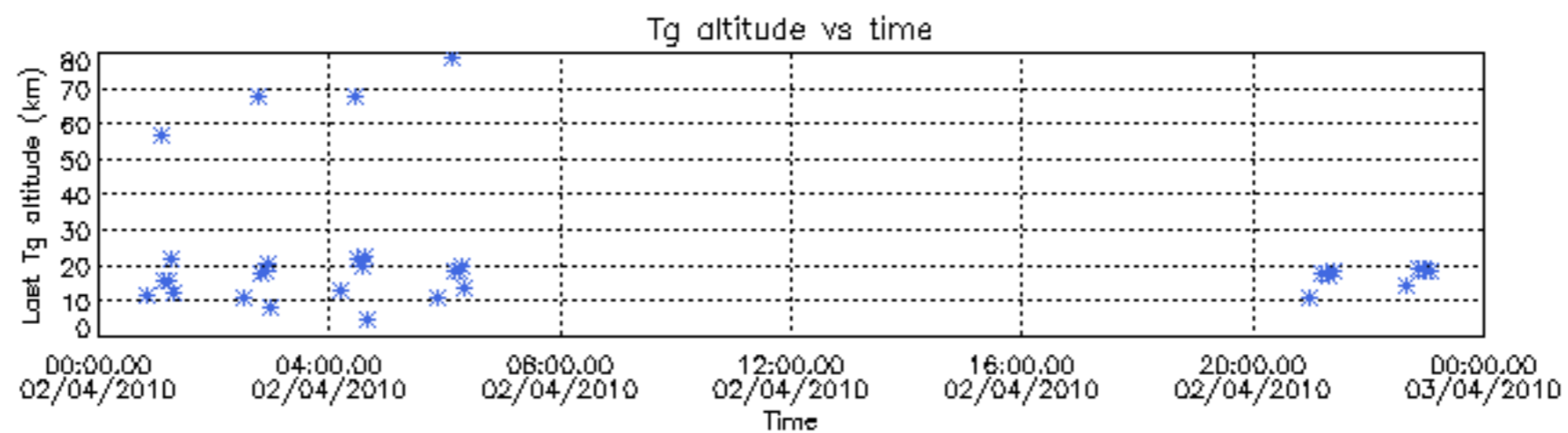
Percentage of star falling outside central band per profile



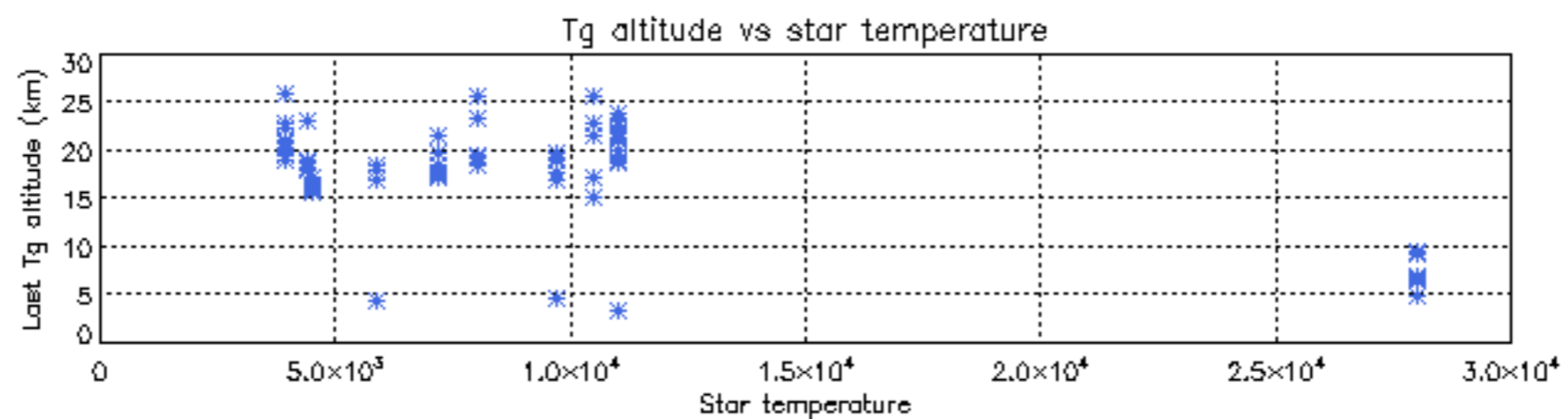
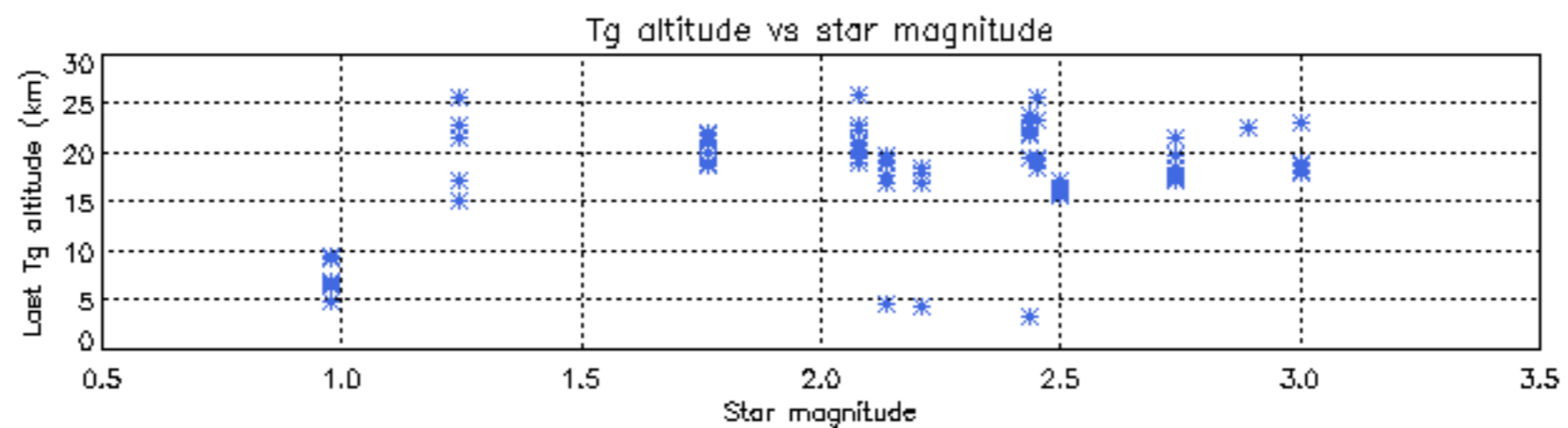
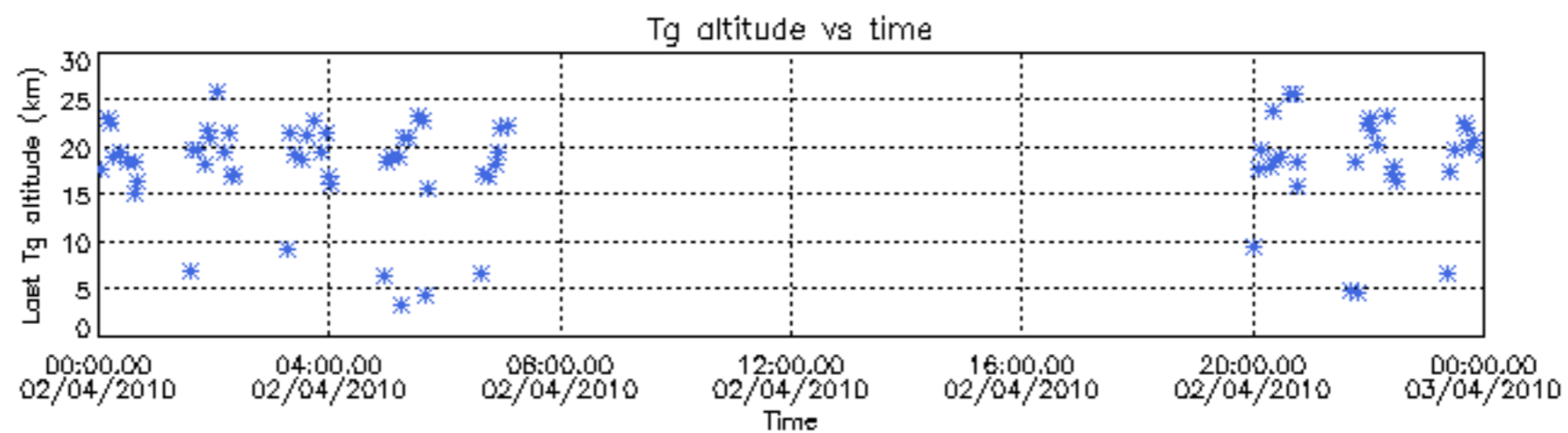
Percentage of saturation errors per profile

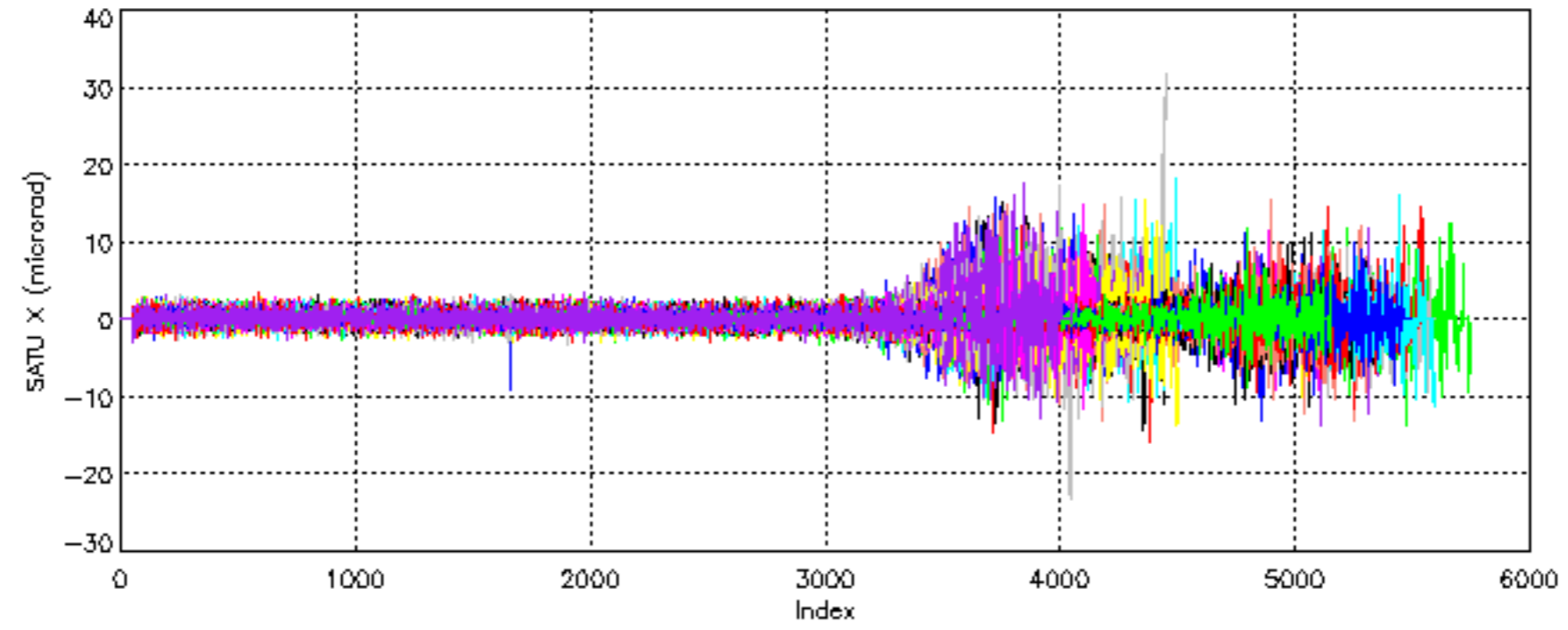


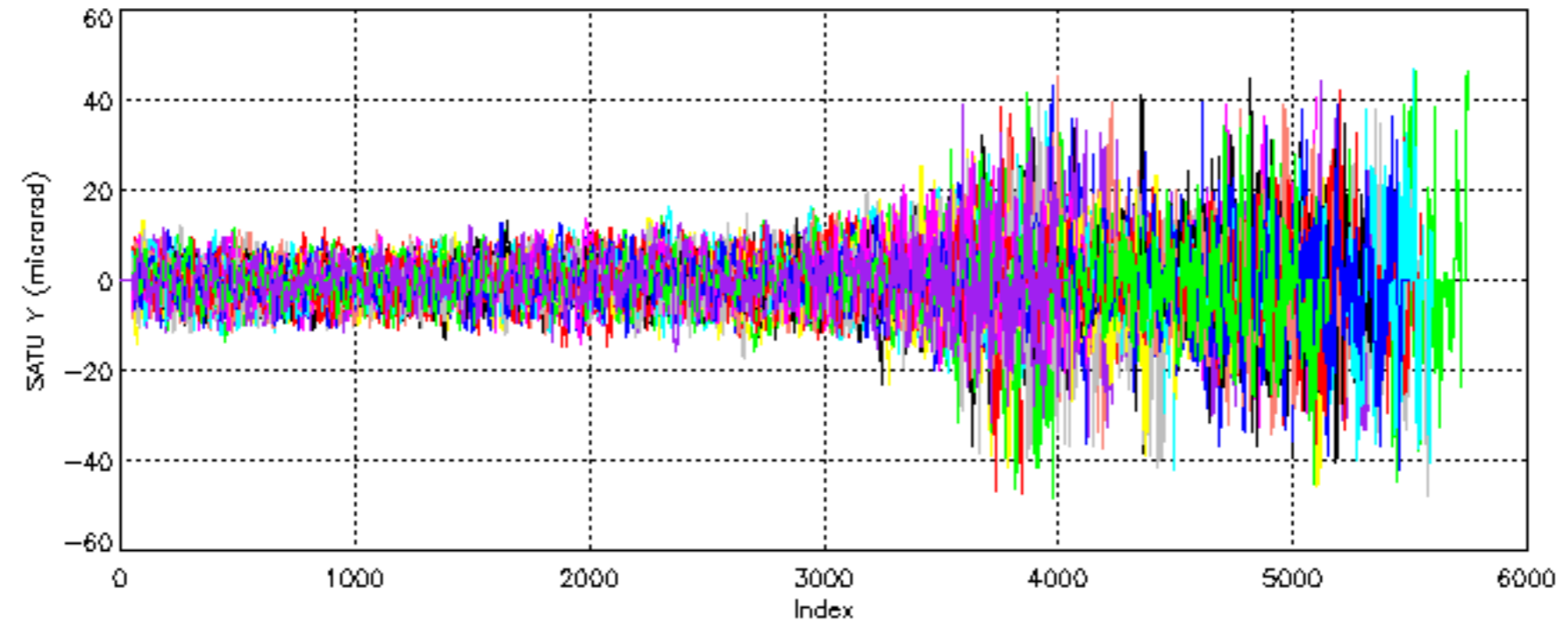
Tangent altitude at which the star is lost

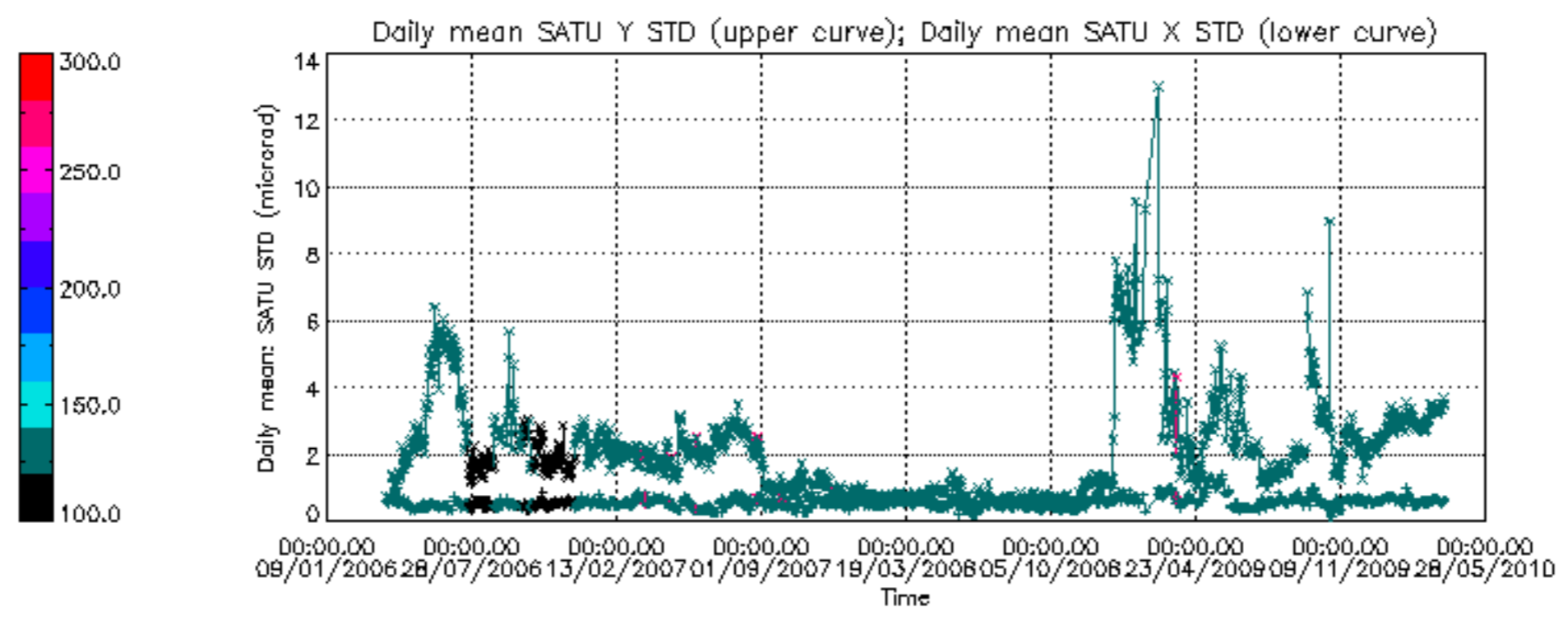


Tangent altitude at which the star is lost









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 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
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 13; 2256.9; 01-APR-2010 02:15:25; Bright; 37.0; 96; 68Del Leo ; 2.56; 9300;occ; 74; 0;42270
 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
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 5; -314.5; 01-APR-2010 03:13:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42270
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 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
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 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
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 19; 2257.0; 01-APR-2010 05:36:37; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;42272
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 22; 2958.0; 01-APR-2010 05:48:18; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;42272
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 2; 1104.6; 01-APR-2010 20:22:48; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;42281

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5; 1688.0; 01-APR-2010 20:32:31; Dark ; 54.0; 15; 67Alp Vir ; 0.98; 28000;occ; 108; 0;42281
6; 1882.1; 01-APR-2010 20:35:46; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;42281
7; 2159.5; 01-APR-2010 20:40:23; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42281
8; 2665.5; 01-APR-2010 20:48:49; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;42281
9; 2846.1; 01-APR-2010 20:51:49; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;42281
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13; 4198.0; 01-APR-2010 21:14:21; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;42281
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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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19; 3901.3; 01-APR-2010 22:50:01; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;42282
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22; 4435.4; 01-APR-2010 22:58:55; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;42282
23; 4829.9; 01-APR-2010 23:05:29; Dark ; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;42282
24; 5106.4; 01-APR-2010 23:10:06; Dark ; 41.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 83; 0;42282
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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
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8; 942.9; 01-APR-2010 23:41:18; Dark ; 46.5; 81; Eta Cen ; 2.36; 28000;occ; 93; 0;42283
9; 1105.5; 01-APR-2010 23:44:01; Dark ; 53.5; 54; 5The Cen ; 2.06; 4500;occ; 107; 0;42283
10; 1462.5; 01-APR-2010 23:49:58; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;42283
11; 1579.8; 01-APR-2010 23:51:55; Dark ; 44.5; 100; 4Gam Crv ; 2.58; 13100;occ; 89; 0;42283
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13; 1881.7; 01-APR-2010 23:56:57; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;42283
14; 2159.6; 02-APR-2010 00:01:35; Bright; 39.5; 62; 94Bet Leo ; 2.14; 9700;occ; 79; 0;42283
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21; 4312.7; 02-APR-2010 00:37:28; Bright; 45.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 90; 0;42283
22; 4435.6; 02-APR-2010 00:39:31; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;42283
23; 4830.0; 02-APR-2010 00:46:05; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;42283
24; 5106.5; 02-APR-2010 00:50:42; Dark ; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;42283
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2; -1836.7; 01-APR-2010 06:08:59; Bright; 46.0; 144; 18Del Cyg ; 2.86; 11000;occ; 92; 0;42272

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7; 69.4; 01-APR-2010 06:40:45; Dark ; 53.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 107; 0;42273
8; 296.4; 01-APR-2010 06:44:32; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42273
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3; 2160.3; 01-APR-2010 07:15:36; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 80; 0;42273
4; 2257.0; 01-APR-2010 07:17:13; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;42273
5; 2666.2; 01-APR-2010 07:24:02; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;42273
6; 2848.1; 01-APR-2010 07:27:04; Bright; 40.0; 87; 64Gam UMa ; 2.43; 11000;occ; 80; 0;42273
7; 2957.7; 01-APR-2010 07:28:54; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;42273
8; 3337.3; 01-APR-2010 07:35:13; Bright; 58.0; 60; 7Bet UMi ; 2.08; 3950;occ; 116; 0;42273
9; 3902.0; 01-APR-2010 07:44:38; Bright; 54.0; 89; 5Alp Cep ; 2.45; 8000;occ; 108; 0;42273
10; 4199.1; 01-APR-2010 07:49:35; Bright; 47.5; 144; 18Del Cyg ; 2.86; 11000;occ; 95; 0;42273
11; 4312.8; 01-APR-2010 07:51:29; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;42273
12; 4434.4; 01-APR-2010 07:53:30; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;42273
13; 5723.8; 01-APR-2010 08:15:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42273
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15; 6106.7; 01-APR-2010 08:21:23; Dark ; 51.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 103; 0;42274
16; 6333.5; 01-APR-2010 08:25:09; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;42274
17; 6553.4; 01-APR-2010 08:28:49; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;42274
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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
24; 7724.3; 01-APR-2010 08:48:20; Dark ; 35.5; 15; 67Alp Vir ; 0.98; 28000;occ; 71; 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
7; 3337.1; 01-APR-2010 09:15:49; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;42274
8; 3901.7; 01-APR-2010 09:25:14; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;42274
9; 4199.3; 01-APR-2010 09:30:11; Bright; 48.0; 144; 18Del Cyg ; 2.86; 11000;occ; 96; 0;42274
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11; 4434.5; 01-APR-2010 09:34:06; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;42274
12; 5724.6; 01-APR-2010 09:55:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42274
13; 5893.5; 01-APR-2010 09:58:25; Dark ; 57.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 114; 0;42274
14; 6107.5; 01-APR-2010 10:01:59; Dark ; 54.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 109; 0;42275
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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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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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 8; 2807.4; 22-APR-2010 14:48:59; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 0;42578
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 6; 634.3; 22-APR-2010 20:55:10; Dark ; 57.5; 40; The Sco ; 1.86; 7100;occ; 115; 0;42582
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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
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 19; 4501.0; 27-APR-2010 22:42:43; Bright; 43.0; 164; 44Eta Peg ; 2.95; 5400;occ; 86; 0;42654
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 22; 5143.3; 27-APR-2010 22:53:25; Dark ; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;42654
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 23; 5143.8; 28-APR-2010 00:34:01; Dark ; 53.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 106; 0;42655
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4; 2785.4; 27-APR-2010 08:49:20; Bright; 40.5; 39; 85Eta UMa ; 1.85; 24000;occ; 81; 0;42646
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 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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11; 3830.0; 30-APR-2010 19:16:05; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42695
12; 4142.0; 30-APR-2010 19:21:17; Bright; 42.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 84; 0;42695
13; 4507.4; 30-APR-2010 19:27:23; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;42695
14; 4772.1; 30-APR-2010 19:31:47; Dark ; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;42695
15; 5027.3; 30-APR-2010 19:36:03; Dark ; 67.5; 61; 8Eps Peg ; 2.10; 3900;occ; 135; 0;42695
16; 5173.7; 30-APR-2010 19:38:29; Dark ; 56.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 113; 0;42695
17; 5394.5; 30-APR-2010 19:42:10; Dark ; 58.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 116; 0;42695
18; 5551.9; 30-APR-2010 19:44:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42695
19; 5793.2; 30-APR-2010 19:48:48; Dark ; 40.5; 172; Gam Gru ; 3.00; 13100;occ; 81; 0;42695
20; 6668.9; 30-APR-2010 20:03:24; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42696
21; 6778.6; 30-APR-2010 20:05:14; Dark ; 58.0; 40; The Sco ; 1.86; 7100;occ; 116; 0;42696
22; 6883.6; 30-APR-2010 20:06:59; Dark ; 61.0; 25; 35Lam Sco ; 1.62; 28000;occ; 122; 0;42696

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