

GOMOS Daily Report 21-DEC-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	24DEC2010 05:01:54
Data source version	GOMOS/5.01
Start time of products	21DEC2010 00:00:47
Stop time of products	21DEC2010 23:56:37
Store outputs in DB	Yes
Nb of level 1b prods	151
Nb of prods with errors	1

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

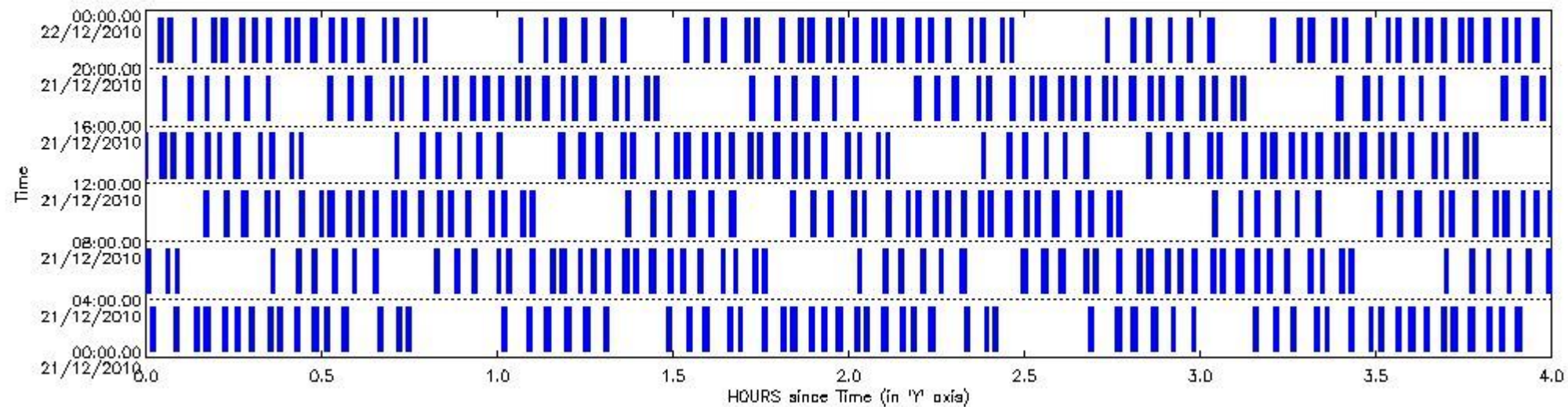
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

No missing products.

2.4 Summary of processed GOM_TRA_1P products

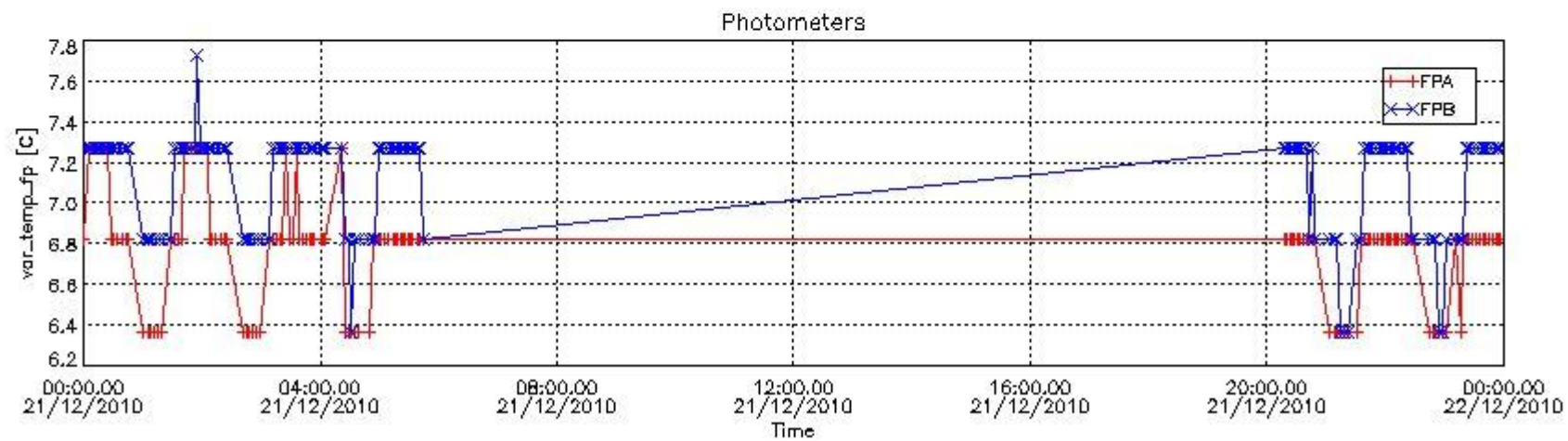
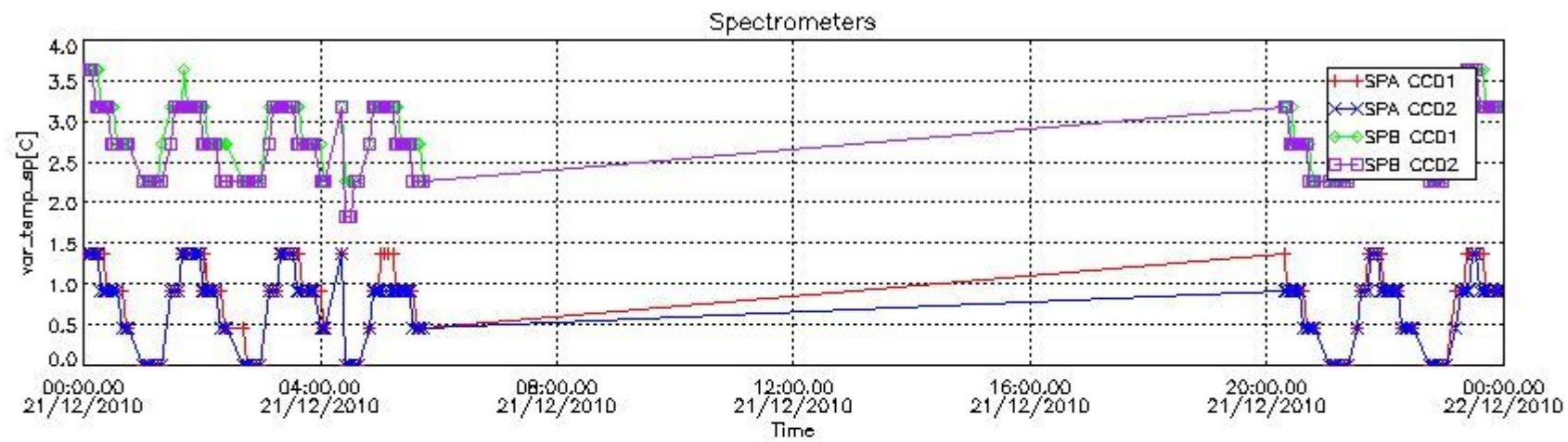
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20101221_000047_000000413097_00347_46051_8109.N1	21-DEC-2010 00:00:47	Dark	41.000	99	Del Cen	2.5750	26000.	82	46051	No
2	GOM_TRA_1PNPDE20101221_000450_000000483097_00347_46051_8110.N1	21-DEC-2010 00:04:50	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	46051	No
3	GOM_TRA_1PNPDE20101221_000816_000000423097_00347_46051_8111.N1	21-DEC-2010 00:08:16	Dark	41.500	71	Iot Car	2.2460	7700.0	83	46051	No
4	GOM_TRA_1PNPDE20101221_001259_000000463097_00347_46051_8112.N1	21-DEC-2010 00:12:59	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	46051	No
5	GOM_TRA_1PNPDE20101221_001508_000000523097_00347_46051_8113.N1	21-DEC-2010 00:15:08	Dark	51.500	70	Zet Pup	2.2460	39000.	103	46051	No
6	GOM_TRA_1PNPDE20101221_001738_000000523097_00347_46051_8114.N1	21-DEC-2010 00:17:38	Dark	52.000	117	Pi Pup	2.7060	3800.0	104	46051	No
7	GOM_TRA_1PNPDE20101221_002043_000000533097_00347_46051_8115.N1	21-DEC-2010 00:20:43	Straylight	53.000	23	21Eps CMa	1.5020	26000.	106	46051	No
8	GOM_TRA_1PNPDE20101221_002225_000000523097_00347_46051_8116.N1	21-DEC-2010 00:22:25	Straylight	52.000	179	24Omi2CMa	3.0320	24000.	104	46051	No
9	GOM_TRA_1PNPDE20101221_002513_000000583097_00347_46051_8117.N1	21-DEC-2010 00:25:13	Straylight	57.500	1	9Alp CMa	-1.4400	11000.	115	46051	No
10	GOM_TRA_1PNPDE20101221_002825_000000533097_00347_46051_8118.N1	21-DEC-2010 00:28:25	Straylight	52.500	7	19Bet Ori	0.10000	14000.	105	46051	No
11	GOM_TRA_1PNPDE20101221_003030_000000493097_00347_46051_8119.N1	21-DEC-2010 00:30:30	Straylight	48.500	30	46Eps Ori	1.6940	30000.	97	46051	No
12	GOM_TRA_1PNPDE20101221_003323_000000623097_00347_46051_8120.N1	21-DEC-2010 00:33:23	Twilight_stray	62.000	14	58Alp Ori	0.87000	3000.0	124	46051	No

13	GOM_TRA_1PNPDE20101221_003932_000000433097_00347_46051_8121.N1	21-DEC-2010 00:39:32	Bright	43.000	28	12Bet Tau	1.6500	15200.	86	46051	No
14	GOM_TRA_1PNPDE20101221_004252_000000413097_00347_46051_8122.N1	21-DEC-2010 00:42:52	Bright	41.000	107	37The Aur	2.6490	11000.	82	46051	No
15	GOM_TRA_1PNPDE20101221_004426_000000453097_00347_46051_8123.N1	21-DEC-2010 00:44:26	Bright	45.000	6	13Alp Aur	0.080000	3400.0	90	46051	No
16	GOM_TRA_1PNPDE20101221_010046_000000393097_00347_46051_8124.N1	21-DEC-2010 01:00:46	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	46051	No
17	GOM_TRA_1PNPDE20101221_010507_000000453097_00347_46051_8125.N1	21-DEC-2010 01:05:07	Bright	44.500	32	77Eps UMa	1.7630	11000.	89	46051	No
18	GOM_TRA_1PNPDE20101221_010753_000000603097_00347_46051_8126.N1	21-DEC-2010 01:07:53	Bright	60.000	39	85Eta UMa	1.8540	24000.	120	46051	No
19	GOM_TRA_1PNPDE20101221_011125_000000573097_00347_46051_8127.N1	21-DEC-2010 01:11:25	Bright	57.000	180	27Gam Boo	3.0400	8000.0	114	46051	No
20	GOM_TRA_1PNPDE20101221_011444_000000563097_00347_46051_8128.N1	21-DEC-2010 01:14:44	Bright	56.000	83		2.3780	11000.	112	46051	No
21	GOM_TRA_1PNPDE20101221_011814_000000463097_00347_46051_8129.N1	21-DEC-2010 01:18:14	Bright	45.500	111	8Eta Boo	2.6800	6000.0	91	46051	No
22	GOM_TRA_1PNPDE20101221_012842_000000543097_00347_46051_8120.N1	21-DEC-2010 01:28:42	Twilight	53.500	15	67Alp Vir	0.97600	28000.	107	46051	No
23	GOM_TRA_1PNPDE20101221_013212_000000473097_00347_46051_8121.N1	21-DEC-2010 01:32:12	Dark	47.000	169	46Gam Hya	2.9910	4700.0	94	46051	No
24	GOM_TRA_1PNPDE20101221_013506_000000583097_00347_46051_8122.N1	21-DEC-2010 01:35:06	Dark	57.500	106	9Bet Crv	2.6480	5600.0	115	46051	No
25	GOM_TRA_1PNPDE20101221_013920_000000423097_00347_46051_8123.N1	21-DEC-2010 01:39:20	Dark	42.000	64	Gam Cen	2.2000	10600.	84	46051	No
26	GOM_TRA_1PNPDE20101221_014102_000000413097_00348_46052_8124.N1	21-DEC-2010 01:41:02	Dark	41.000	99	Del Cen	2.5750	26000.	82	46052	No
27	GOM_TRA_1PNPDE20101221_014505_000000473097_00348_46052_8125.N1	21-DEC-2010 01:45:05	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	46052	No
28	GOM_TRA_1PNPDE20101221_014830_000000433097_00348_46052_8126.N1	21-DEC-2010 01:48:30	Dark	43.000	71	lot Car	2.2460	7700.0	86	46052	No
29	GOM_TRA_1PNPDE20101221_015313_000000533097_00348_46052_8127.N1	21-DEC-2010 01:53:13	Dark	52.500	34	Gam2Vel	1.7930	23000.	105	46052	No
30	GOM_TRA_1PNPDE20101221_015523_000000503097_00348_46052_8128.N1	21-DEC-2010 01:55:23	Dark	49.500	70	Zet Pup	2.2460	39000.	99	46052	No
31	GOM_TRA_1PNPDE20101221_015753_000000513097_00348_46052_8129.N1	21-DEC-2010 01:57:53	Dark	51.000	117	Pi Pup	2.7060	3800.0	102	46052	No
32	GOM_TRA_1PNPDE20101221_020057_000000543097_00348_46052_8130.N1	21-DEC-2010 02:00:57	Straylight	54.000	23	21Eps CMa	1.5020	26000.	108	46052	No
33	GOM_TRA_1PNPDE20101221_020239_000000513097_00348_46052_8131.N1	21-DEC-2010 02:02:39	Straylight	51.000	179	24Omi2CMa	3.0320	24000.	102	46052	No
34	GOM_TRA_1PNPDE20101221_020527_000000613097_00348_46052_8132.N1	21-DEC-2010 02:05:27	Straylight	61.000	1	9Alp CMa	-1.4400	11000.	122	46052	No
35	GOM_TRA_1PNPDE20101221_020839_000000513097_00348_46052_8133.N1	21-DEC-2010 02:08:39	Straylight	51.000	7	19Bet Ori	0.10000	14000.	102	46052	No
36	GOM_TRA_1PNPDE20101221_021044_000000473097_00348_46052_8134.N1	21-DEC-2010 02:10:44	Straylight	47.000	30	46Eps Ori	1.6940	30000.	94	46052	No
37	GOM_TRA_1PNPDE20101221_021337_000000623097_00348_46052_8135.N1	21-DEC-2010 02:13:37	Twilight	62.000	14	58Alp Ori	0.87000	3000.0	124	46052	No
38	GOM_TRA_1PNPDE20101221_021946_000000413097_00348_46052_8136.N1	21-DEC-2010 02:19:46	Bright	41.000	28	12Bet Tau	1.6500	15200.	82	46052	No
39	GOM_TRA_1PNPDE20101221_022305_000000423097_00348_46052_8137.N1	21-DEC-2010 02:23:05	Bright	41.500	107	37The Aur	2.6490	11000.	83	46052	No
40	GOM_TRA_1PNPDE20101221_022440_000000423097_00348_46052_8138.N1	21-DEC-2010 02:24:40	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	46052	No
41	GOM_TRA_1PNPDE20101221_024100_000000383097_00348_46052_8136.N1	21-DEC-2010 02:41:00	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	46052	No
42	GOM_TRA_1PNPDE20101221_024520_000000643097_00348_46052_8137.N1	21-DEC-2010 02:45:20	Bright	64.000	32	77Eps UMa	1.7630	11000.	128	46052	No
43	GOM_TRA_1PNPDE20101221_024807_000000603097_00348_46052_8138.N1	21-DEC-2010 02:48:07	Bright	60.000	39	85Eta UMa	1.8540	24000.	120	46052	No
44	GOM_TRA_1PNPDE20101221_025139_000000573097_00348_46052_8139.N1	21-DEC-2010 02:51:39	Bright	57.000	180	27Gam Boo	3.0400	8000.0	114	46052	No
45	GOM_TRA_1PNPDE20101221_025458_000000403097_00348_46052_8140.N1	21-DEC-2010 02:54:58	Bright	40.000	83		2.3780	11000.	80	46052	No
46	GOM_TRA_1PNPDE20101221_025828_000000443097_00348_46052_8141.N1	21-DEC-2010 02:58:28	Bright	44.000	111	8Eta Boo	2.6800	6000.0	88	46052	No
47	GOM_TRA_1PNPDE20101221_030857_000000573097_00348_46052_8142.N1	21-DEC-2010 03:08:57	Twilight	56.500	15	67Alp Vir	0.97600	28000.	113	46052	No
48	GOM_TRA_1PNPDE20101221_031227_000000483097_00348_46052_8143.N1	21-DEC-2010 03:12:27	Dark	48.000	169	46Gam Hya	2.9910	4700.0	96	46052	No
49	GOM_TRA_1PNPDE20101221_031522_000000533097_00348_46052_8144.N1	21-DEC-2010 03:15:22	Dark	54.500	106	9Bet Crv	2.6480	5600.0	109	46052	No
50	GOM_TRA_1PNPDE20101221_031935_000000423097_00348_46052_8145.N1	21-DEC-2010 03:19:35	Dark	41.500	64	Gam Cen	2.2000	10600.	83	46052	No
51	GOM_TRA_1PNPDE20101221_032117_000000423097_00349_46053_8146.N1	21-DEC-2010 03:21:17	Dark	41.500	99	Del Cen	2.5750	26000.	83	46053	No
52	GOM_TRA_1PNPDE20101221_032520_000000473097_00349_46053_8147.N1	21-DEC-2010 03:25:20	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46053	No
53	GOM_TRA_1PNPDE20101221_032845_000000433097_00349_46053_8148.N1	21-DEC-2010 03:28:45	Dark	42.500	71	lot Car	2.2460	7700.0	85	46053	No
54	GOM_TRA_1PNPDE20101221_033328_000000473097_00349_46053_8149.N1	21-DEC-2010 03:33:28	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	46053	No
55	GOM_TRA_1PNPDE20101221_033538_000000543097_00349_46053_8150.N1	21-DEC-2010 03:35:38	Dark	54.000	70	Zet Pup	2.2460	39000.	108	46053	No
56	GOM_TRA_1PNPDE20101221_033807_000000543097_00349_46053_8151.N1	21-DEC-2010 03:38:07	Dark	53.500	117	Pi Pup	2.7060	3800.0	107	46053	No
57	GOM_TRA_1PNPDE20101221_034112_000000513097_00349_46053_8152.N1	21-DEC-2010 03:41:12	Straylight	51.000	23	21Eps CMa	1.5020	26000.	102	46053	No
58	GOM_TRA_1PNPDE20101221_034253_000000503097_00349_46053_8153.N1	21-DEC-2010 03:42:53	Straylight	49.500	179	24Omi2CMa	3.0320	24000.	99	46053	No
59	GOM_TRA_1PNPDE20101221_034542_000000603097_00349_46053_8154.N1	21-DEC-2010 03:45:42	Straylight	59.500	1	9Alp CMa	-1.4400	11000.	119	46053	No
60	GOM_TRA_1PNPDE20101221_034853_000000533097_00349_46053_8155.N1	21-DEC-2010 03:48:53	Straylight	52.500	7	19Bet Ori	0.10000	14000.	105	46053	No
61	GOM_TRA_1PNPDE20101221_035058_000000483097_00349_46053_8156.N1	21-DEC-2010 03:50:58	Straylight	48.000	30	46Eps Ori	1.6940	30000.	96	46053	No
62	GOM_TRA_1PNPDE20101221_035351_000000623097_00349_46053_8157.N1	21-DEC-2010 03:53:51	Twilight	62.000	14	58Alp Ori	0.87000	3000.0	124	46053	No
63	GOM_TRA_1PNPDE20101221_040000_000000433097_00349_46053_8158.N1	21-DEC-2010 04:00:00	Bright	42.500	28	12Bet Tau	1.6500	15200.	85	46053	No
64	GOM_TRA_1PNPDE20101221_040319_000000433097_00349_46053_8159.N1	21-DEC-2010 04:03:19	Bright	42.500	107	37The Aur	2.6490	11000.	85	46053	No
65	GOM_TRA_1PNPDE20101221_040454_000000433097_00349_46053_8160.N1	21-DEC-2010 04:04:54	Bright	42.500	6	13Alp Aur	0.080000	3400.0	85	46053	No
66	GOM_TRA_1PNPDE20101221_042114_000000403097_00349_46053_8166.N1	21-DEC-2010 04:21:14	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46053	Yes
67	GOM_TRA_1PNPDE20101221_042534_000000463097_00349_46053_8167.N1	21-DEC-2010 04:25:34	Bright	46.000	32	77Eps UMa	1.7630	11000.	92	46053	No
68	GOM_TRA_1PNPDE20101221_042821_000000433097_00349_46053_8168.N1	21-DEC-2010 04:28:21	Bright	43.000	39	85Eta UMa	1.8540	24000.	86	46053	No
69	GOM_TRA_1PNPDE20101221_043154_000000373097_00349_46053_8169.N1	21-DEC-2010 04:31:54	Bright	37.000	180	27Gam Boo	3.0400	8000.0	74	46053	No
70	GOM_TRA_1PNPDE20101221_043513_000000393097_00349_46053_8170.N1	21-DEC-2010 04:35:13	Bright	38.500	83		2.3780	11000.	77	46053	No
71	GOM_TRA_1PNPDE20101221_043843_000000573097_00349_46053_8171.N1	21-DEC-2010 04:38:43	Bright	56.500	111	8Eta Boo	2.6800	6000.0	113	46053	No

72	GOM_TRA_1PNPDE20101221_044912_000000503097_00349_46053_8172.N1	21-DEC-2010 04:49:12	Twilight	49.500	15	67Alp Vir	0.97600	28000.	99	46053	No
73	GOM_TRA_1PNPDE20101221_045242_000000513097_00349_46053_8173.N1	21-DEC-2010 04:52:42	Dark	51.000	169	46Gam Hya	2.9910	4700.0	102	46053	No
74	GOM_TRA_1PNPDE20101221_045537_000000563097_00349_46053_8174.N1	21-DEC-2010 04:55:37	Dark	55.500	106	9Bet Crv	2.6480	5600.0	111	46053	No
75	GOM_TRA_1PNPDE20101221_045949_000000423097_00349_46053_8175.N1	21-DEC-2010 04:59:49	Dark	41.500	64	Gam Cen	2.2000	10600.	83	46053	No
76	GOM_TRA_1PNPDE20101221_050131_000000413097_00350_46054_8176.N1	21-DEC-2010 05:01:31	Dark	41.000	99	Del Cen	2.5750	26000.	82	46054	No
77	GOM_TRA_1PNPDE20101221_050534_000000463097_00350_46054_8177.N1	21-DEC-2010 05:05:34	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	46054	No
78	GOM_TRA_1PNPDE20101221_050900_000000433097_00350_46054_8178.N1	21-DEC-2010 05:09:00	Dark	43.000	71	lot Car	2.2460	7700.0	86	46054	No
79	GOM_TRA_1PNPDE20101221_051343_000000443097_00350_46054_8179.N1	21-DEC-2010 05:13:43	Dark	44.000	34	Gam2Vel	1.7930	23000.	88	46054	No
80	GOM_TRA_1PNPDE20101221_051553_000000483097_00350_46054_8180.N1	21-DEC-2010 05:15:53	Dark	48.000	70	Zet Pup	2.2460	39000.	96	46054	No
81	GOM_TRA_1PNPDE20101221_051822_000000553097_00350_46054_8181.N1	21-DEC-2010 05:18:22	Dark	54.500	117	Pi Pup	2.7060	3800.0	109	46054	No
82	GOM_TRA_1PNPDE20101221_052126_000000553097_00350_46054_8182.N1	21-DEC-2010 05:21:26	Straylight	54.500	23	21Eps CMa	1.5020	26000.	109	46054	No
83	GOM_TRA_1PNPDE20101221_052308_000000523097_00350_46054_8183.N1	21-DEC-2010 05:23:08	Straylight	51.500	179	24Omi2CMa	3.0320	24000.	103	46054	No
84	GOM_TRA_1PNPDE20101221_052556_000000663097_00350_46054_8184.N1	21-DEC-2010 05:25:56	Straylight	65.500	1	9Alp CMa	-1.4400	11000.	131	46054	No
85	GOM_TRA_1PNPDE20101221_052907_000000453097_00350_46054_8185.N1	21-DEC-2010 05:29:07	Straylight	45.000	7	19Bet Ori	0.10000	14000.	90	46054	No
86	GOM_TRA_1PNPDE20101221_053112_000000463097_00350_46054_8186.N1	21-DEC-2010 05:31:12	Straylight	45.500	30	46Eps Ori	1.6940	30000.	91	46054	No
87	GOM_TRA_1PNPDE20101221_053405_000000563097_00350_46054_8187.N1	21-DEC-2010 05:34:05	Twilight	56.000	14	58Alp Ori	0.87000	3000.0	112	46054	No
88	GOM_TRA_1PNPDE20101221_053809_000000433097_00350_46054_8188.N1	21-DEC-2010 05:38:09	Bright	43.000	176	23Zet Tau	3.0200	22000.	86	46054	No
89	GOM_TRA_1PNPDE20101221_054014_000000423097_00350_46054_8189.N1	21-DEC-2010 05:40:14	Bright	41.500	28	12Bet Tau	1.6500	15200.	83	46054	No
90	GOM_TRA_1PNPDE20101221_054332_000000423097_00350_46054_8190.N1	21-DEC-2010 05:43:32	Bright	42.000	107	37The Aur	2.6490	11000.	84	46054	No
91	GOM_TRA_1PNPDE20101221_054508_000000433097_00350_46054_8191.N1	21-DEC-2010 05:45:08	Bright	43.000	6	13Alp Aur	0.080000	3400.0	86	46054	No
92	GOM_TRA_1PNPDE20101221_201805_000000533097_00359_46063_8260.N1	21-DEC-2010 20:18:05	Dark	52.500	70	Zet Pup	2.2460	39000.	105	46063	No
93	GOM_TRA_1PNPDE20101221_202033_000000513097_00359_46063_8261.N1	21-DEC-2010 20:20:33	Dark	51.000	117	Pi Pup	2.7060	3800.0	102	46063	No
94	GOM_TRA_1PNPDE20101221_202336_000000533097_00359_46063_8262.N1	21-DEC-2010 20:23:36	Straylight	53.000	23	21Eps CMa	1.5020	26000.	106	46063	No
95	GOM_TRA_1PNPDE20101221_202517_000000503097_00359_46063_8263.N1	21-DEC-2010 20:25:17	Straylight	50.000	179	24Omi2CMa	3.0320	24000.	100	46063	No
96	GOM_TRA_1PNPDE20101221_202803_000000673097_00359_46063_8264.N1	21-DEC-2010 20:28:03	Straylight	67.000	1	9Alp CMa	-1.4400	11000.	134	46063	No
97	GOM_TRA_1PNPDE20101221_203114_000000493097_00359_46063_8265.N1	21-DEC-2010 20:31:14	Straylight	48.500	7	19Bet Ori	0.10000	14000.	97	46063	No
98	GOM_TRA_1PNPDE20101221_203318_000000483097_00359_46063_8266.N1	21-DEC-2010 20:33:18	Straylight	48.000	30	46Eps Ori	1.6940	30000.	96	46063	No
99	GOM_TRA_1PNPDE20101221_203609_000000623097_00359_46063_8267.N1	21-DEC-2010 20:36:09	Twilight	62.000	14	58Alp Ori	0.87000	3000.0	124	46063	No
100	GOM_TRA_1PNPDE20101221_204014_000000443097_00359_46063_8268.N1	21-DEC-2010 20:40:14	Bright	43.500	176	23Zet Tau	3.0200	22000.	87	46063	No
101	GOM_TRA_1PNPDE20101221_204218_000000433097_00359_46063_8269.N1	21-DEC-2010 20:42:18	Bright	42.500	28	12Bet Tau	1.6500	15200.	85	46063	No
102	GOM_TRA_1PNPDE20101221_204534_000000423097_00359_46063_8270.N1	21-DEC-2010 20:45:34	Bright	41.500	107	37The Aur	2.6490	11000.	83	46063	No
103	GOM_TRA_1PNPDE20101221_204712_000000443097_00359_46063_8271.N1	21-DEC-2010 20:47:12	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	46063	No
104	GOM_TRA_1PNPDE20101221_210334_000000343097_00359_46063_8272.N1	21-DEC-2010 21:03:34	Bright	33.500	60	7Bet UMi	2.0810	3950.0	67	46063	No
105	GOM_TRA_1PNPDE20101221_210752_000000443097_00359_46063_8273.N1	21-DEC-2010 21:07:52	Bright	43.500	32	77Eps UMa	1.7630	11000.	87	46063	No
106	GOM_TRA_1PNPDE20101221_211041_000000613097_00359_46063_8274.N1	21-DEC-2010 21:10:41	Bright	61.000	39	85Eta UMa	1.8540	24000.	122	46063	No
107	GOM_TRA_1PNPDE20101221_211415_000000573097_00359_46063_8275.N1	21-DEC-2010 21:14:15	Bright	57.000	180	27Gam Boo	3.0400	8000.0	114	46063	No
108	GOM_TRA_1PNPDE20101221_211735_000000563097_00359_46063_8276.N1	21-DEC-2010 21:17:35	Bright	56.000	83		2.3780	11000.	112	46063	No
109	GOM_TRA_1PNPDE20101221_212107_000000453097_00359_46063_8277.N1	21-DEC-2010 21:21:07	Bright	45.000	111	8Eta Boo	2.6800	6000.0	90	46063	No
110	GOM_TRA_1PNPDE20101221_213141_000000533097_00359_46063_8284.N1	21-DEC-2010 21:31:41	Twilight	52.500	15	67Alp Vir	0.97600	28000.	105	46063	No
111	GOM_TRA_1PNPDE20101221_213511_000000523097_00359_46063_8285.N1	21-DEC-2010 21:35:11	Dark	51.500	169	46Gam Hya	2.9910	4700.0	103	46063	No
112	GOM_TRA_1PNPDE20101221_213810_000000553097_00359_46063_8286.N1	21-DEC-2010 21:38:10	Dark	55.000	106	9Bet Crv	2.6480	5600.0	110	46063	No
113	GOM_TRA_1PNPDE20101221_214217_000000423097_00359_46063_8287.N1	21-DEC-2010 21:42:17	Dark	42.000	64	Gam Cen	2.2000	10600.	84	46063	No
114	GOM_TRA_1PNPDE20101221_214357_000000453097_00360_46064_8288.N1	21-DEC-2010 21:43:57	Dark	44.500	26	Gam Cru	1.6240	2900.0	89	46064	No
115	GOM_TRA_1PNPDE20101221_214804_000000453097_00360_46064_8289.N1	21-DEC-2010 21:48:04	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	46064	No
116	GOM_TRA_1PNPDE20101221_215126_000000433097_00360_46064_8290.N1	21-DEC-2010 21:51:26	Dark	43.000	71	lot Car	2.2460	7700.0	86	46064	No
117	GOM_TRA_1PNPDE20101221_215610_000000513097_00360_46064_8291.N1	21-DEC-2010 21:56:10	Dark	50.500	34	Gam2Vel	1.7930	23000.	101	46064	No
118	GOM_TRA_1PNPDE20101221_215820_000000473097_00360_46064_8292.N1	21-DEC-2010 21:58:20	Dark	47.000	70	Zet Pup	2.2460	39000.	94	46064	No
119	GOM_TRA_1PNPDE20101221_220047_000000513097_00360_46064_8293.N1	21-DEC-2010 22:00:47	Dark	51.000	117	Pi Pup	2.7060	3800.0	102	46064	No
120	GOM_TRA_1PNPDE20101221_220350_000000503097_00360_46064_8294.N1	21-DEC-2010 22:03:50	Straylight	49.500	23	21Eps CMa	1.5020	26000.	99	46064	No
121	GOM_TRA_1PNPDE20101221_220531_000000523097_00360_46064_8295.N1	21-DEC-2010 22:05:31	Straylight	52.000	179	24Omi2CMa	3.0320	24000.	104	46064	No
122	GOM_TRA_1PNPDE20101221_220818_000000673097_00360_46064_8296.N1	21-DEC-2010 22:08:18	Straylight	66.500	1	9Alp CMa	-1.4400	11000.	133	46064	No
123	GOM_TRA_1PNPDE20101221_221128_000000473097_00360_46064_8297.N1	21-DEC-2010 22:11:28	Straylight	47.000	7	19Bet Ori	0.10000	14000.	94	46064	No
124	GOM_TRA_1PNPDE20101221_221332_000000483097_00360_46064_8298.N1	21-DEC-2010 22:13:32	Straylight	47.500	30	46Eps Ori	1.6940	30000.	95	46064	No
125	GOM_TRA_1PNPDE20101221_221623_000000583097_00360_46064_8299.N1	21-DEC-2010 22:16:23	Twilight	58.000	14	58Alp Ori	0.87000	3000.0	116	46064	No
126	GOM_TRA_1PNPDE20101221_222027_000000423097_00360_46064_8300.N1	21-DEC-2010 22:20:27	Bright	41.500	176	23Zet Tau	3.0200	22000.	83	46064	No
127	GOM_TRA_1PNPDE20101221_222231_000000413097_00360_46064_8301.N1	21-DEC-2010 22:22:31	Bright	40.500	28	12Bet Tau	1.6500	15200.	81	46064	No
128	GOM_TRA_1PNPDE20101221_222548_000000433097_00360_46064_8302.N1	21-DEC-2010 22:25:48	Bright	42.500	107	37The Aur	2.6490	11000.	85	46064	No
129	GOM_TRA_1PNPDE20101221_222726_000000413097_00360_46064_8303.N1	21-DEC-2010 22:27:26	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	46064	No
130	GOM_TRA_1PNPDE20101221_224348_000000343097_00360_46064_8304.N1	21-DEC-2010 22:43:48	Bright	33.500	60	7Bet UMi	2.0810	3950.0	67	46064	No

131	GOM_TRA_1PNPDE20101221_224805_000000453097_00360_46064_8305.N1	21-DEC-2010 22:48:05	Bright	44.500	32	77Eps UMa	1.7630	11000.	89	46064	No
132	GOM_TRA_1PNPDE20101221_225054_000000413097_00360_46064_8306.N1	21-DEC-2010 22:50:54	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	46064	No
133	GOM_TRA_1PNPDE20101221_225429_000000423097_00360_46064_8307.N1	21-DEC-2010 22:54:29	Bright	42.000	180	27Gam Boo	3.0400	8000.0	84	46064	No
134	GOM_TRA_1PNPDE20101221_225749_000000403097_00360_46064_8308.N1	21-DEC-2010 22:57:49	Bright	39.500	83		2.3780	11000.	79	46064	No
135	GOM_TRA_1PNPDE20101221_230121_000000653097_00360_46064_8309.N1	21-DEC-2010 23:01:21	Bright	64.500	111	8Eta Boo	2.6800	6000.0	129	46064	No
136	GOM_TRA_1PNPDE20101221_231156_000000573097_00360_46064_8306.N1	21-DEC-2010 23:11:56	Twilight_stray	57.000	15	67Alp Vir	0.97600	28000.	114	46064	No
137	GOM_TRA_1PNPDE20101221_231637_000000463097_00360_46064_8307.N1	21-DEC-2010 23:16:37	Dark	46.000	54	5The Cen	2.0550	4500.0	92	46064	No
138	GOM_TRA_1PNPDE20101221_231825_000000583097_00360_46064_8308.N1	21-DEC-2010 23:18:25	Dark	57.500	106	9Bet Crv	2.6480	5600.0	115	46064	No
139	GOM_TRA_1PNPDE20101221_232231_000000433097_00360_46064_8309.N1	21-DEC-2010 23:22:31	Dark	43.000	64	Gam Cen	2.2000	10600.	86	46064	No
140	GOM_TRA_1PNPDE20101221_232411_000000533097_00361_46065_8310.N1	21-DEC-2010 23:24:11	Dark	53.000	26	Gam Cru	1.6240	2900.0	106	46065	No
141	GOM_TRA_1PNPDE20101221_232819_000000473097_00361_46065_8311.N1	21-DEC-2010 23:28:19	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46065	No
142	GOM_TRA_1PNPDE20101221_233141_000000423097_00361_46065_8312.N1	21-DEC-2010 23:31:41	Dark	41.500	71	lot Car	2.2460	7700.0	83	46065	No
143	GOM_TRA_1PNPDE20101221_233624_000000463097_00361_46065_8313.N1	21-DEC-2010 23:36:24	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	46065	No
144	GOM_TRA_1PNPDE20101221_233834_000000533097_00361_46065_8314.N1	21-DEC-2010 23:38:34	Dark	53.000	70	Zet Pup	2.2460	39000.	106	46065	No
145	GOM_TRA_1PNPDE20101221_234102_000000503097_00361_46065_8315.N1	21-DEC-2010 23:41:02	Dark	49.500	117	Pi Pup	2.7060	3800.0	99	46065	No
146	GOM_TRA_1PNPDE20101221_234405_000000523097_00361_46065_8316.N1	21-DEC-2010 23:44:05	Straylight	51.500	23	21Eps CMa	1.5020	26000.	103	46065	No
147	GOM_TRA_1PNPDE20101221_234545_000000523097_00361_46065_8317.N1	21-DEC-2010 23:45:45	Straylight	51.500	179	24Omi2CMa	3.0320	24000.	103	46065	No
148	GOM_TRA_1PNPDE20101221_234832_000000563097_00361_46065_8318.N1	21-DEC-2010 23:48:32	Straylight	56.000	1	9Alp CMa	-1.4400	11000.	112	46065	No
149	GOM_TRA_1PNPDE20101221_235142_000000463097_00361_46065_8319.N1	21-DEC-2010 23:51:42	Straylight	45.500	7	19Bet Ori	0.10000	14000.	91	46065	No
150	GOM_TRA_1PNPDE20101221_235346_000000493097_00361_46065_8320.N1	21-DEC-2010 23:53:46	Straylight	49.000	30	46Eps Ori	1.6940	30000.	98	46065	No
151	GOM_TRA_1PNPDE20101221_235637_000000623097_00361_46065_8321.N1	21-DEC-2010 23:56:37	Twilight_stray	62.000	14	58Alp Ori	0.87000	3000.0	124	46065	No

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



4. Overview of dark signal processing per product

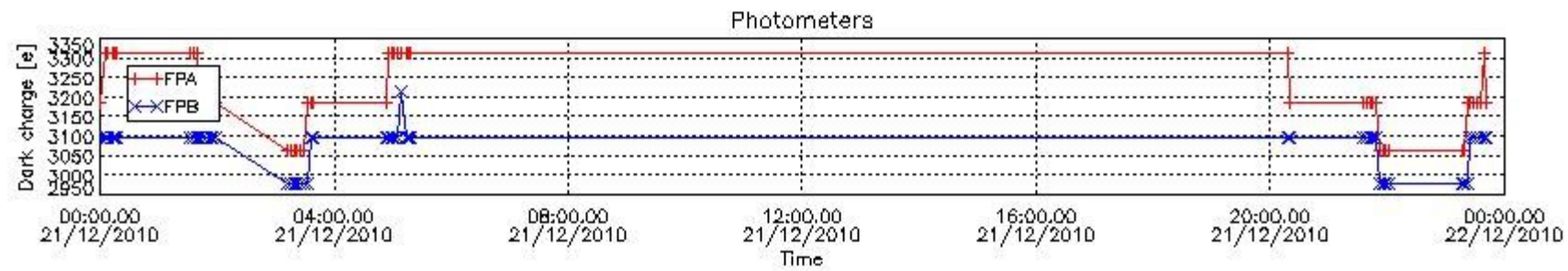
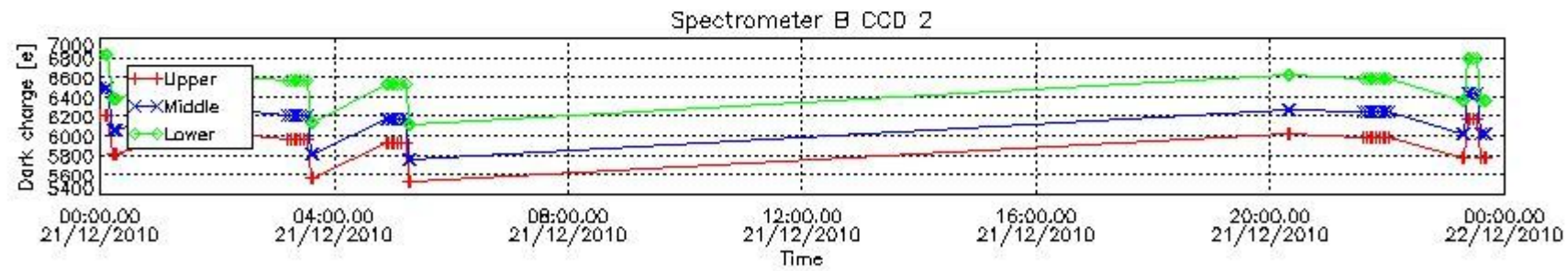
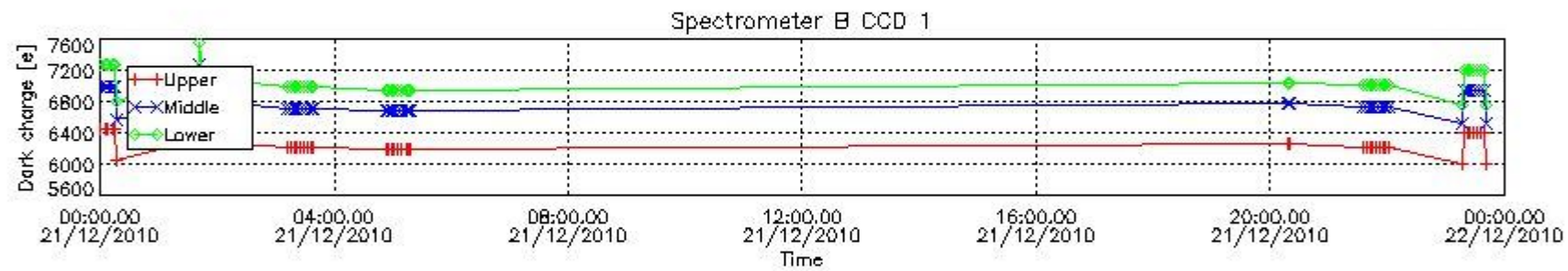
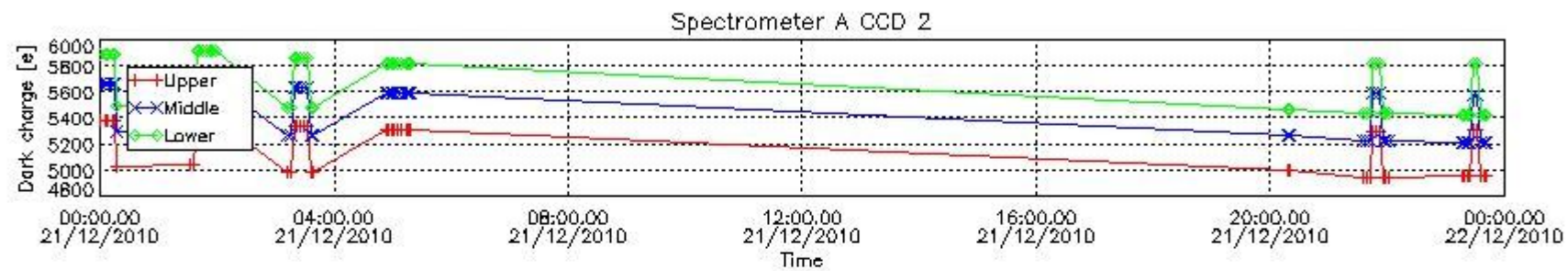
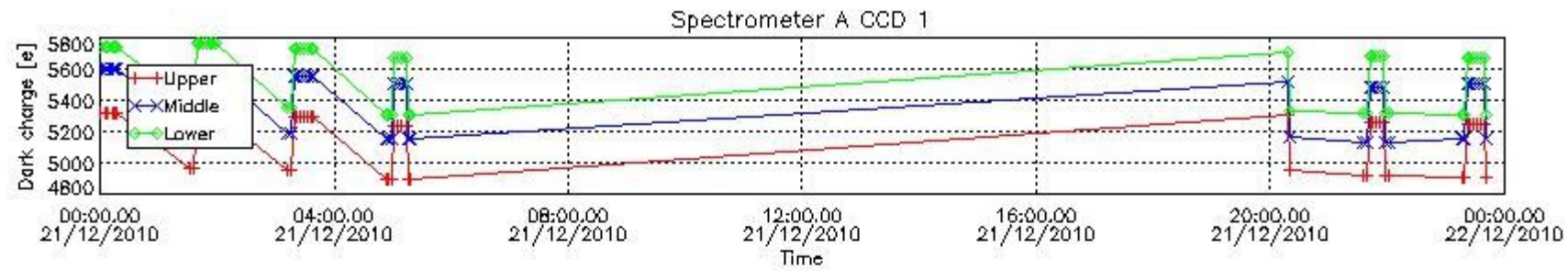
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20101221_201805_000000533097_00359_46063_8260.N1	DC map used
GOM_TRA_1PNPDE20101221_202033_000000513097_00359_46063_8261.N1	DC map used
GOM_TRA_1PNPDE20101221_202336_000000533097_00359_46063_8262.N1	DC map used
GOM_TRA_1PNPDE20101221_202517_000000503097_00359_46063_8263.N1	DC map used
GOM_TRA_1PNPDE20101221_202803_000000673097_00359_46063_8264.N1	DC map used
GOM_TRA_1PNPDE20101221_203114_000000493097_00359_46063_8265.N1	DC map used
GOM_TRA_1PNPDE20101221_203318_000000483097_00359_46063_8266.N1	DC map used
GOM_TRA_1PNPDE20101221_203609_000000623097_00359_46063_8267.N1	DC map used
GOM_TRA_1PNPDE20101221_204014_000000443097_00359_46063_8268.N1	DC map used
GOM_TRA_1PNPDE20101221_204218_000000433097_00359_46063_8269.N1	DC map used
GOM_TRA_1PNPDE20101221_204534_000000423097_00359_46063_8270.N1	DC map used
GOM_TRA_1PNPDE20101221_204712_000000443097_00359_46063_8271.N1	DC map used
GOM_TRA_1PNPDE20101221_210334_000000343097_00359_46063_8272.N1	DC map used
GOM_TRA_1PNPDE20101221_210752_000000443097_00359_46063_8273.N1	DC map used
GOM_TRA_1PNPDE20101221_211041_000000613097_00359_46063_8274.N1	DC map used
GOM_TRA_1PNPDE20101221_211415_000000573097_00359_46063_8275.N1	DC map used
GOM_TRA_1PNPDE20101221_211735_000000563097_00359_46063_8276.N1	DC map used
GOM_TRA_1PNPDE20101221_212107_000000453097_00359_46063_8277.N1	DC map used

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



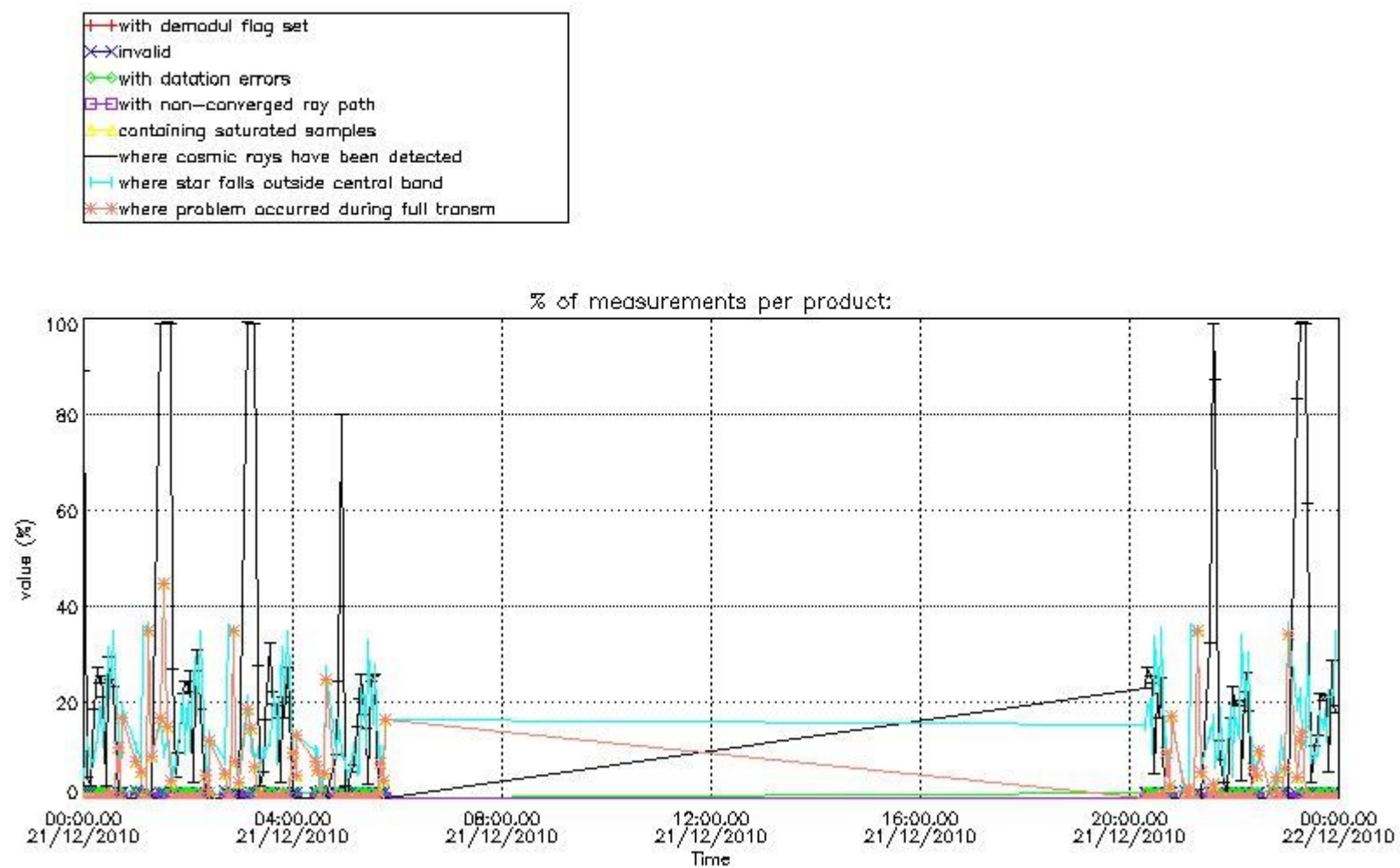
5. Demodulation flag and quality information monitoring

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.

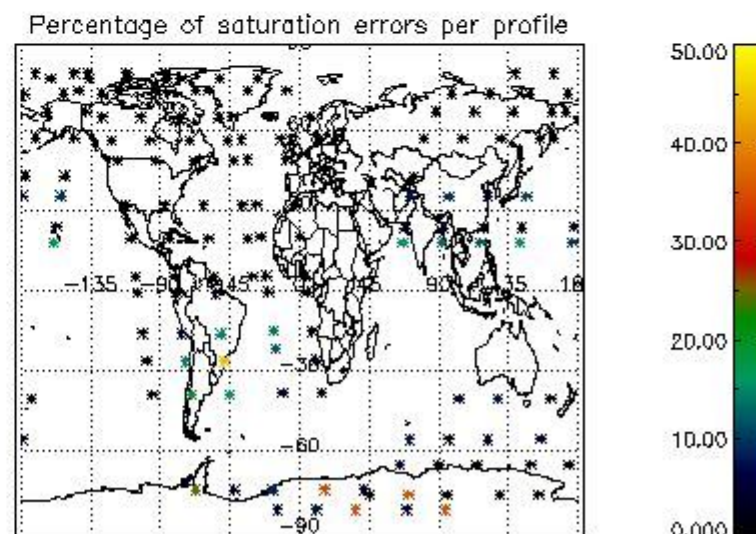
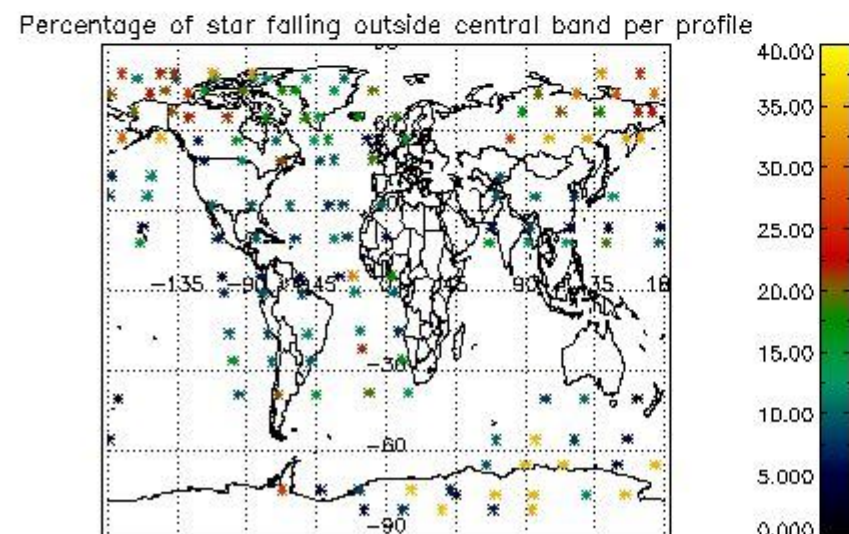
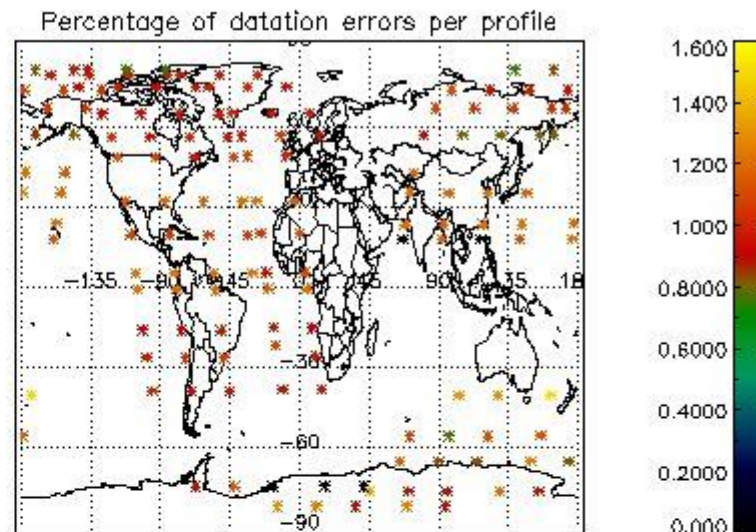
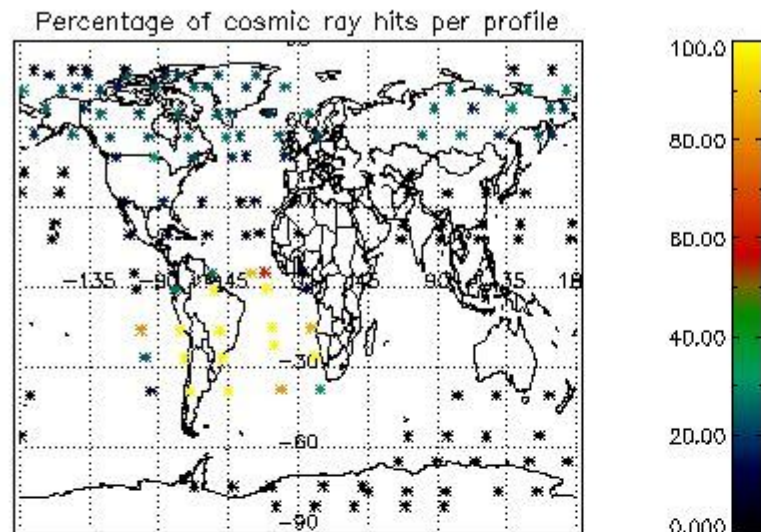
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	65.3333 %
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)



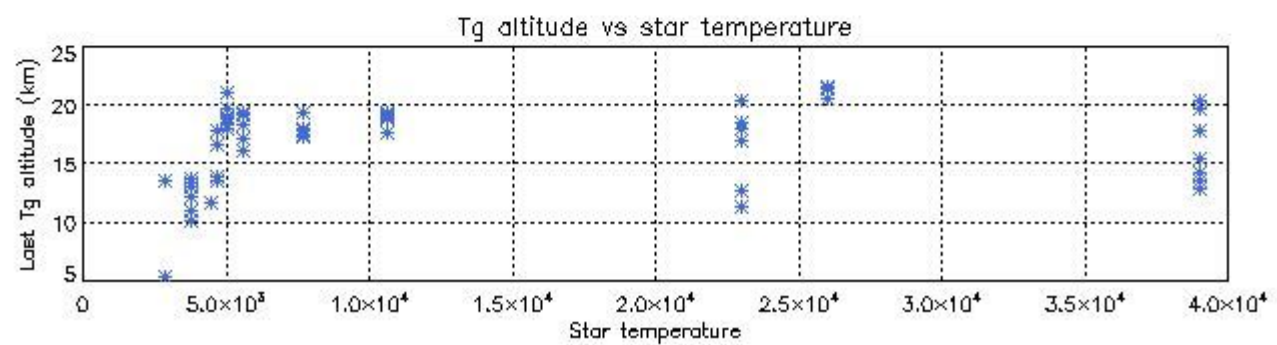
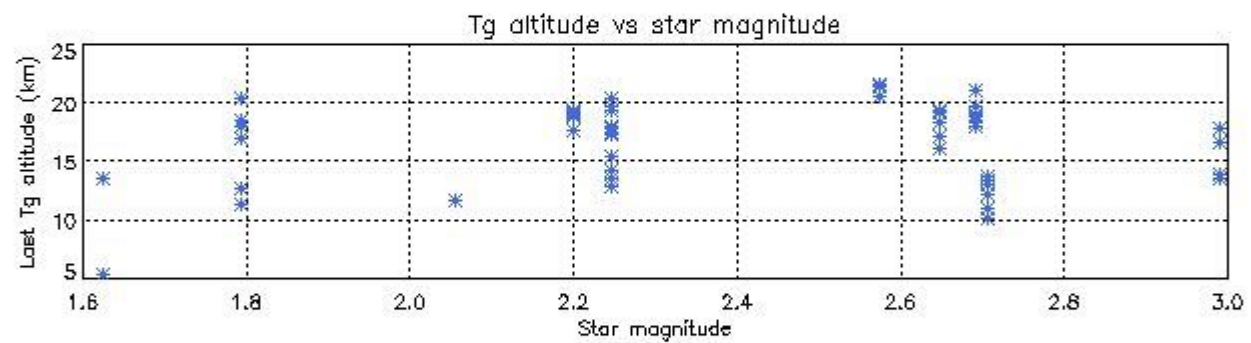
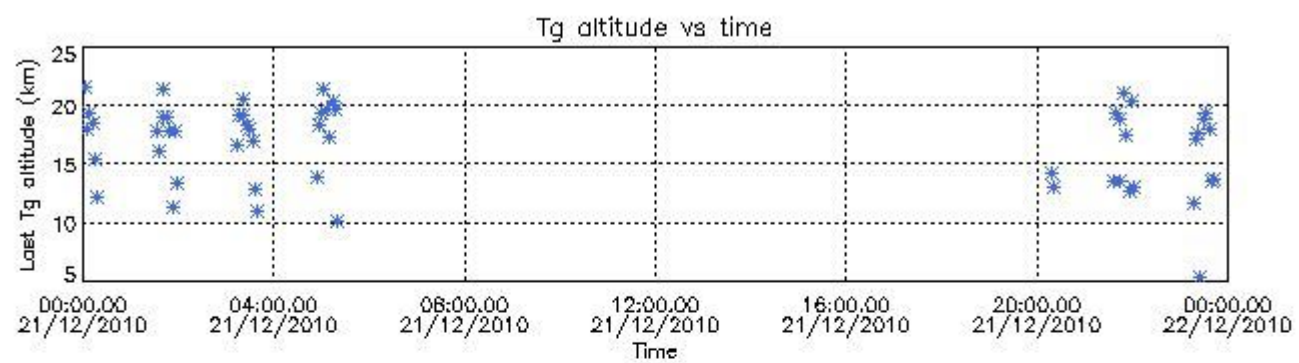
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.677	16.220	NaN
St. deviation:	3.4939	7.0641	NaN
Maximum:	21.625	29.092	NaN
Minimum:	5.2796	3.8086	NaN
Number of data:	53.000	50.000	NaN

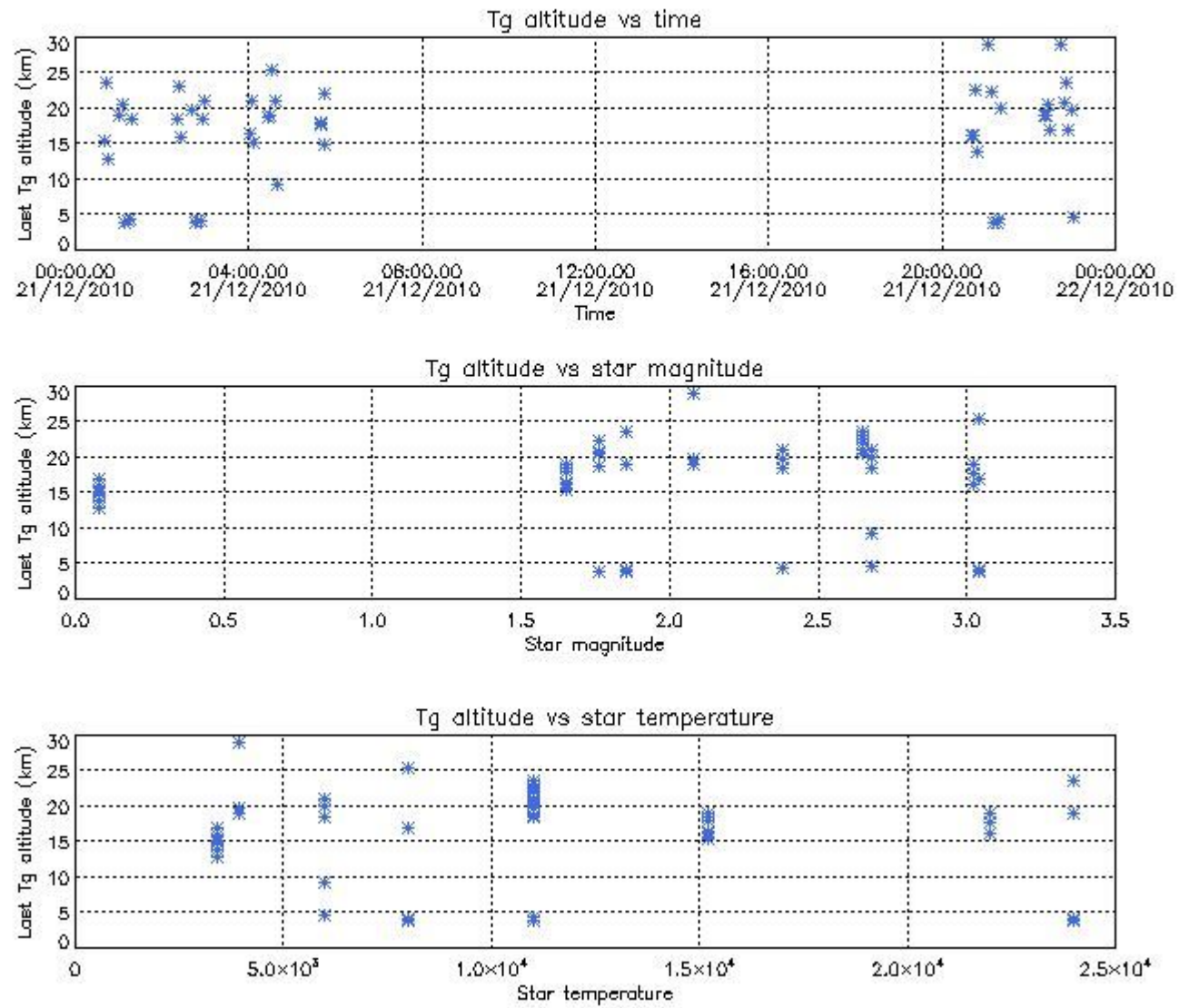
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

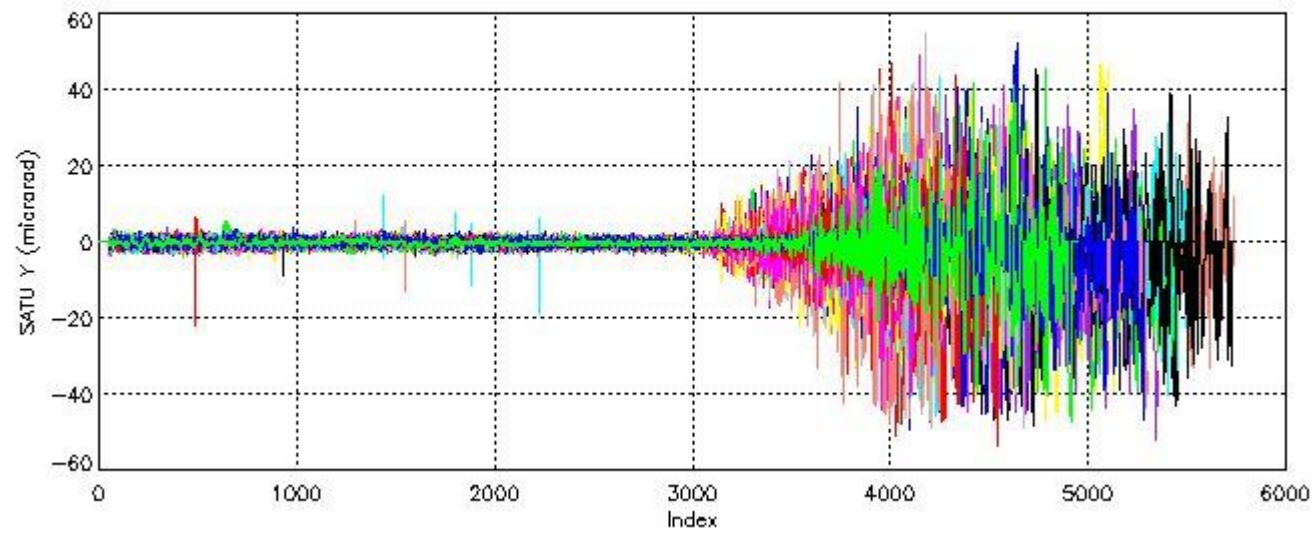
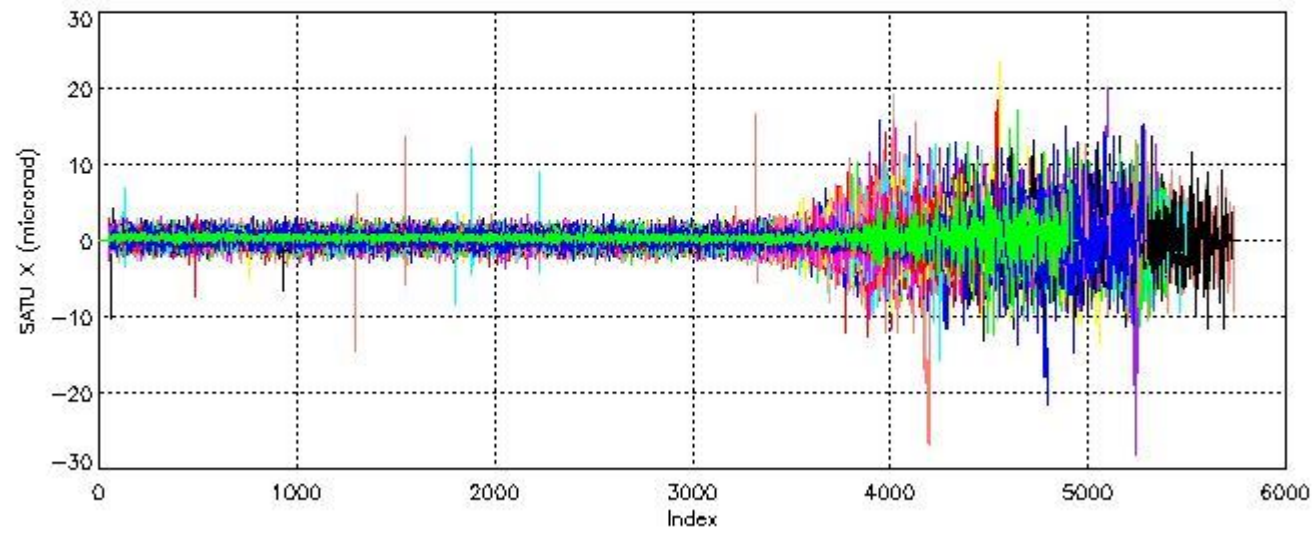


7. Star Acquisition and Tracking Unit (SATU)

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:	0.22801	-0.31928	0.15534	-0.25285
St. deviation:	0.59575	0.76964	0.78130	0.94480
Maximum:	6.9000	6.4000	5.9000	6.8000
Minimum:	-14.500	-21.900	-5.4000	-7.9000

Number of data:	58450.	58450.	47700.	47700.
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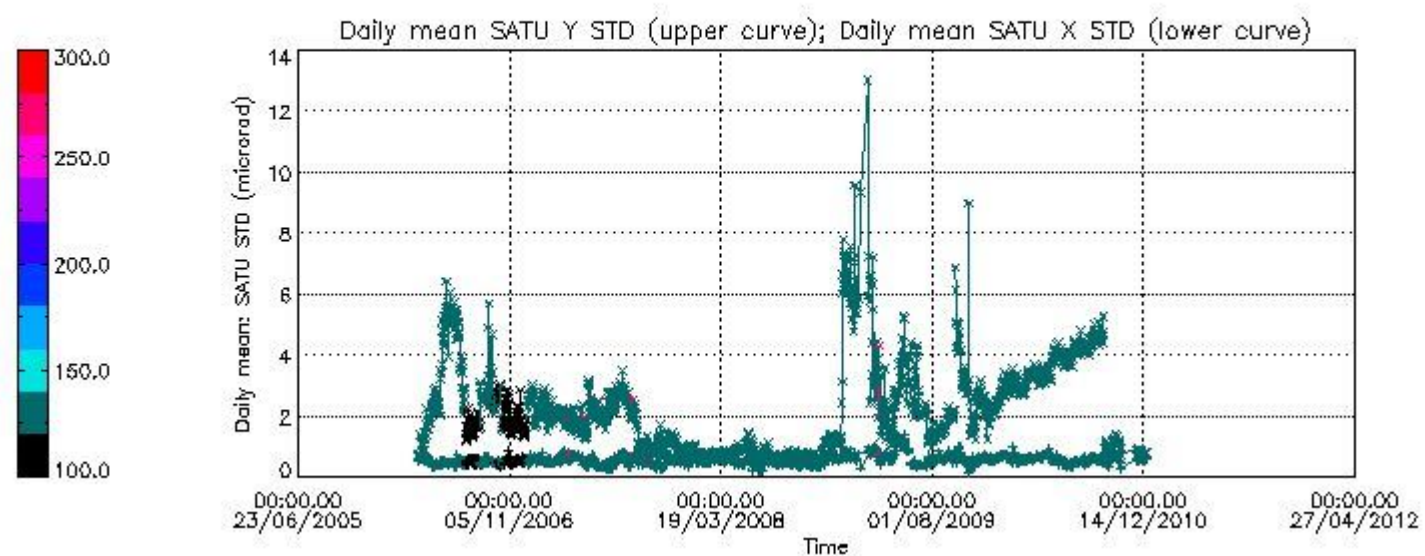
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

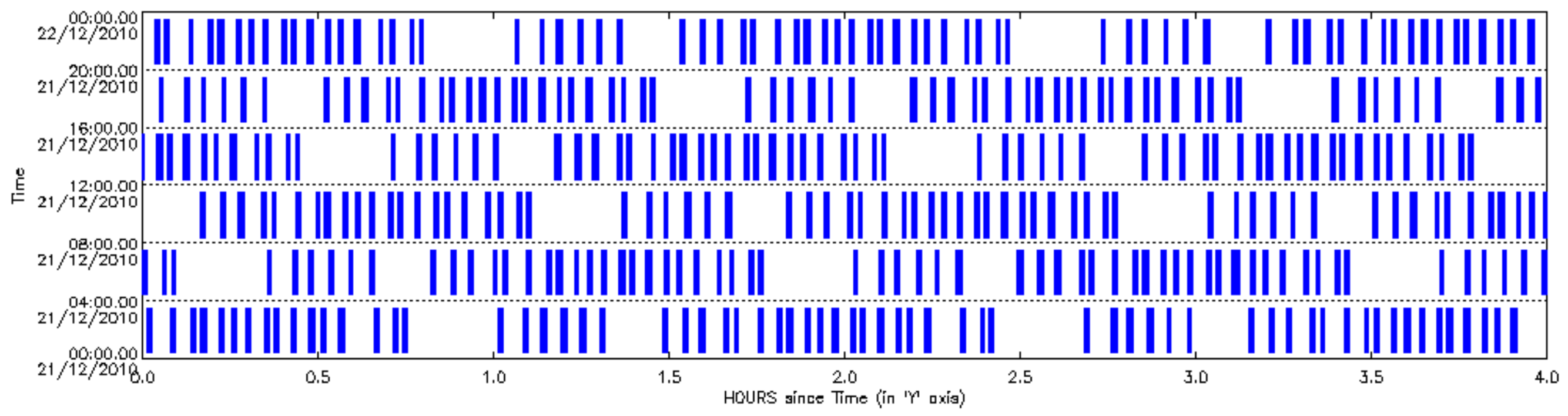
Lower curve: STD of SATU X axis

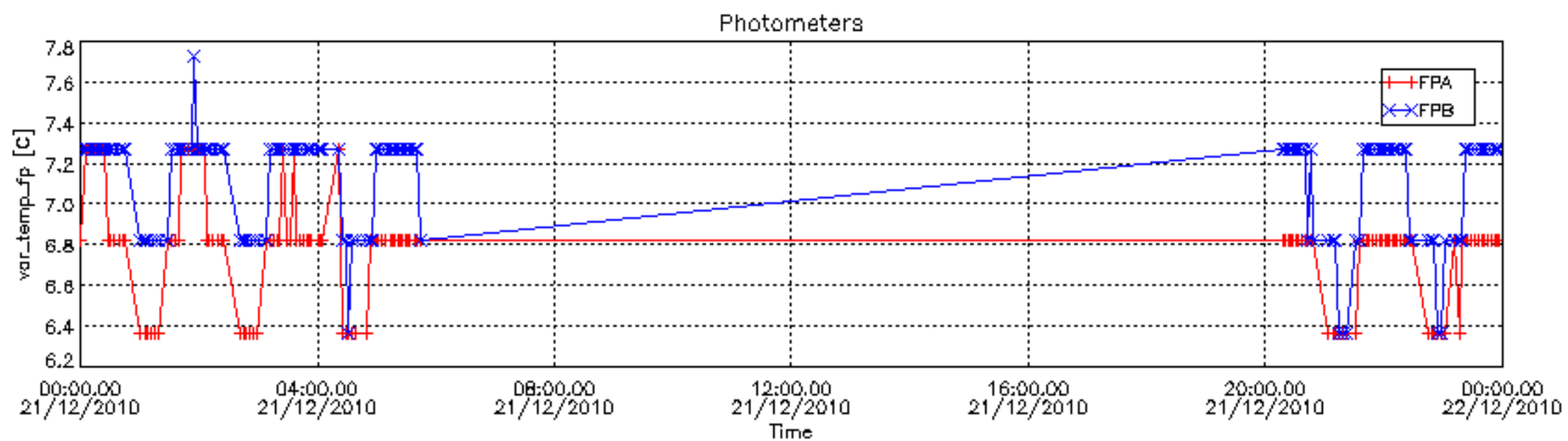
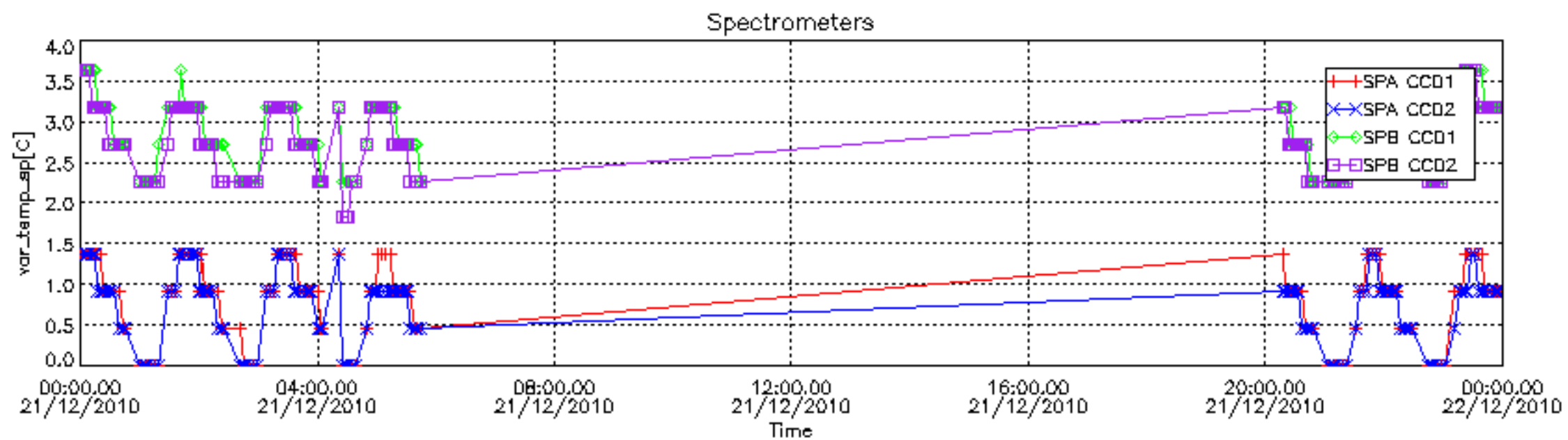


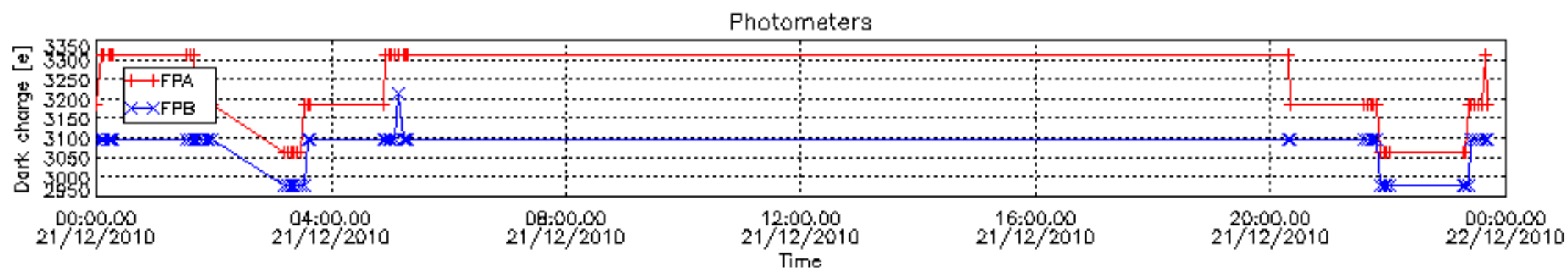
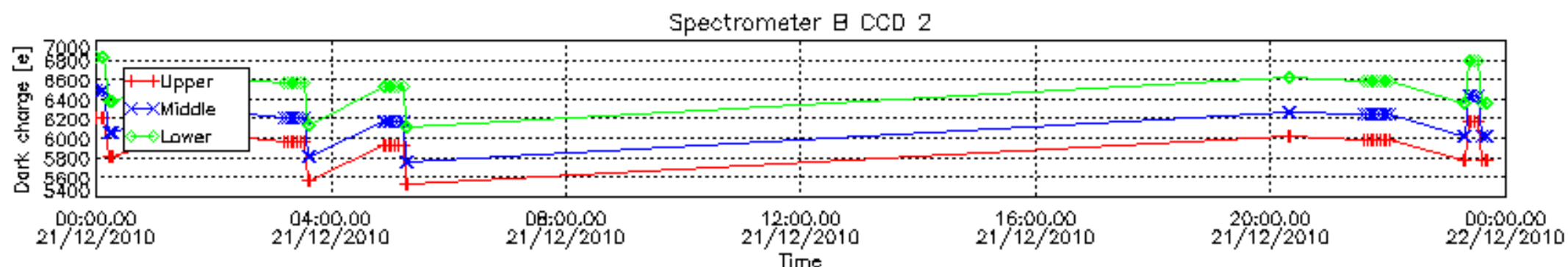
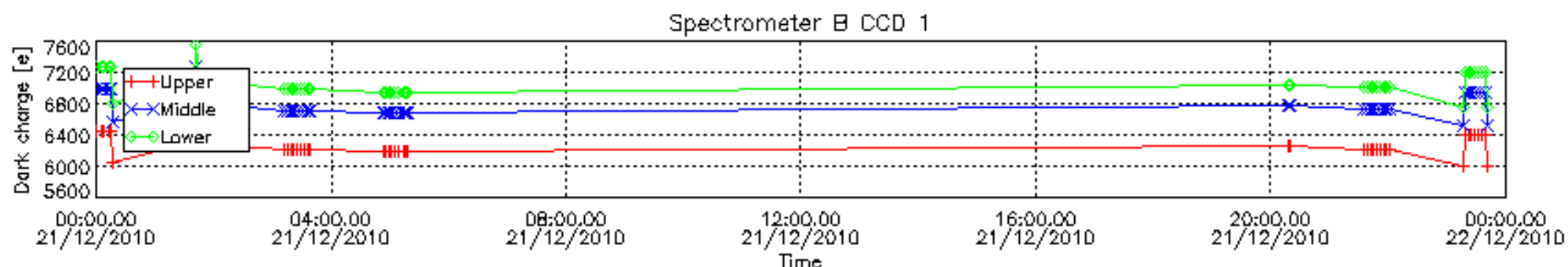
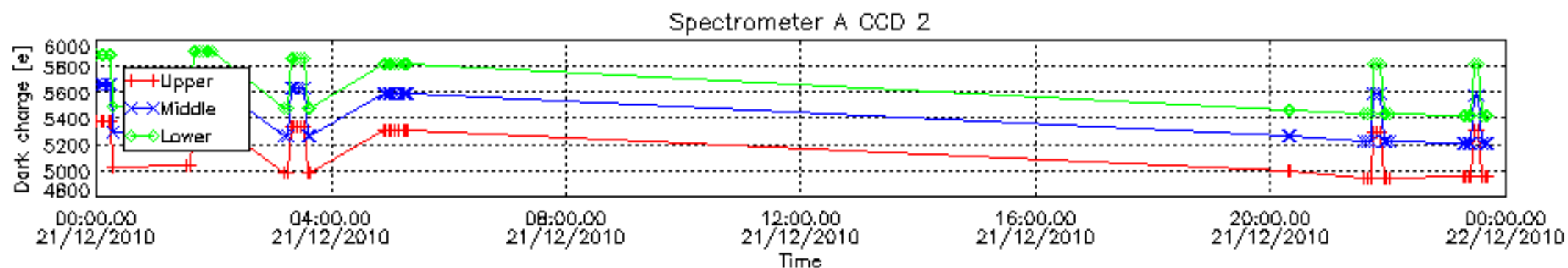
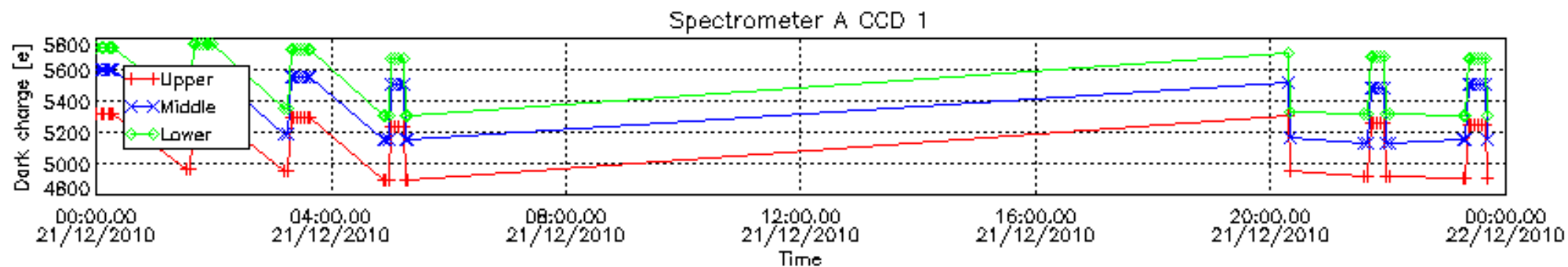
8. Auxiliary Data Files used for the production reported in section 2.4

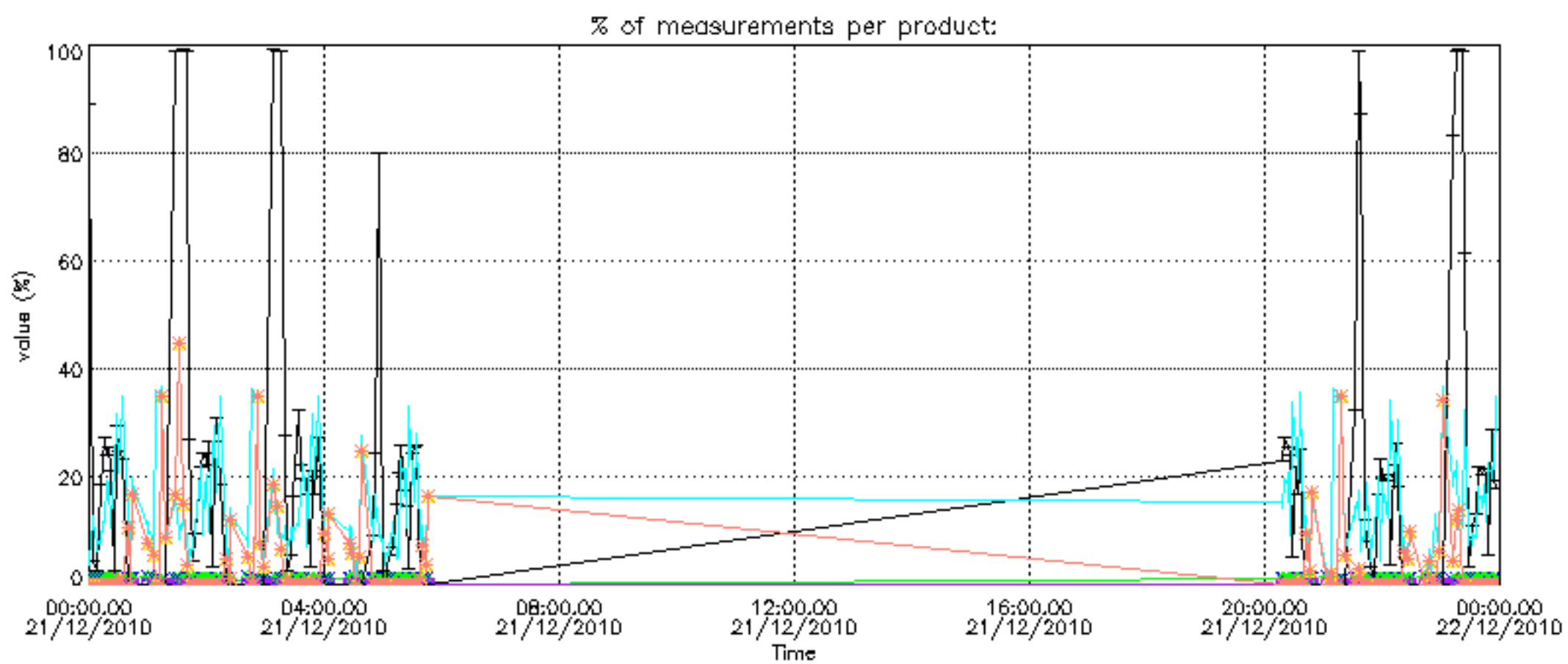
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	21-DEC-2010 00:00:47
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20101220_121136_20101219_000000_20500101_000000	1	21-DEC-2010 00:00:47
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	21-DEC-2010 00:00:47
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	21-DEC-2010 00:00:47
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	21-DEC-2010 00:00:47
ECMWF_FILE	AUX_ECF_AXNECM20101220_054115_20101220_210000_20101221_090000	1	21-DEC-2010 00:00:47
ECMWF_FILE	AUX_ECF_AXNECM20101220_174115_20101221_030000_20101221_150000	66	21-DEC-2010 04:21:14
ECMWF_FILE	AUX_ECF_AXNECM20101221_054115_20101221_150000_20101222_030000	92	21-DEC-2010 20:18:05
ECMWF_FILE	AUX_ECF_AXNECM20101221_054115_20101221_210000_20101222_090000	110	21-DEC-2010 21:31:41
OPTIONAL_ECMWF_FILE	MISSING	1	21-DEC-2010 00:00:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101220_234605_000054193097_00346_46050_2170.N1	1	21-DEC-2010 00:00:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101221_012143_000041443097_00347_46051_2171.N1	22	21-DEC-2010 01:28:42
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101221_023606_000057383097_00348_46052_2172.N1	41	21-DEC-2010 02:41:00
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101221_041703_000057383097_00349_46053_2173.N1	66	21-DEC-2010 04:21:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101221_201325_000041443097_00359_46063_2174.N1	92	21-DEC-2010 20:18:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101221_212748_000057383097_00359_46063_2175.N1	110	21-DEC-2010 21:31:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101221_230845_000057383097_00360_46064_2176.N1	136	21-DEC-2010 23:11:56

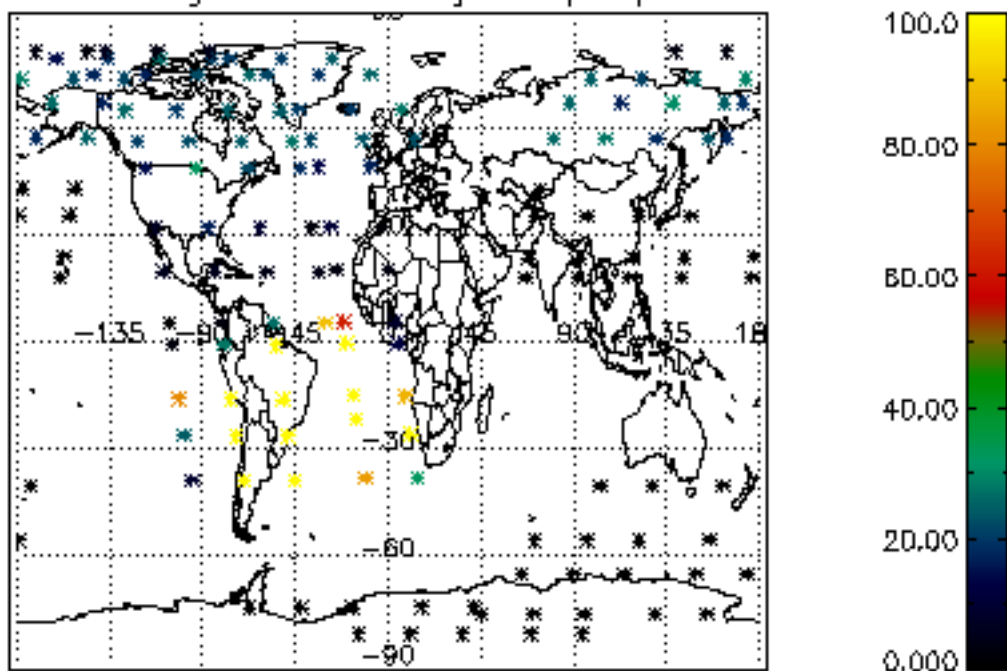




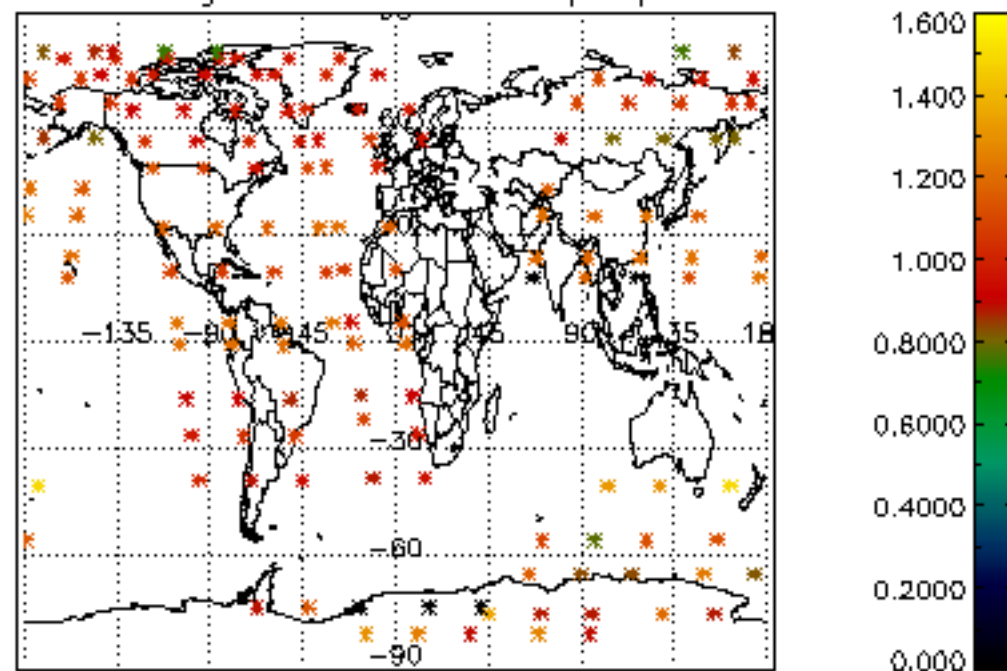




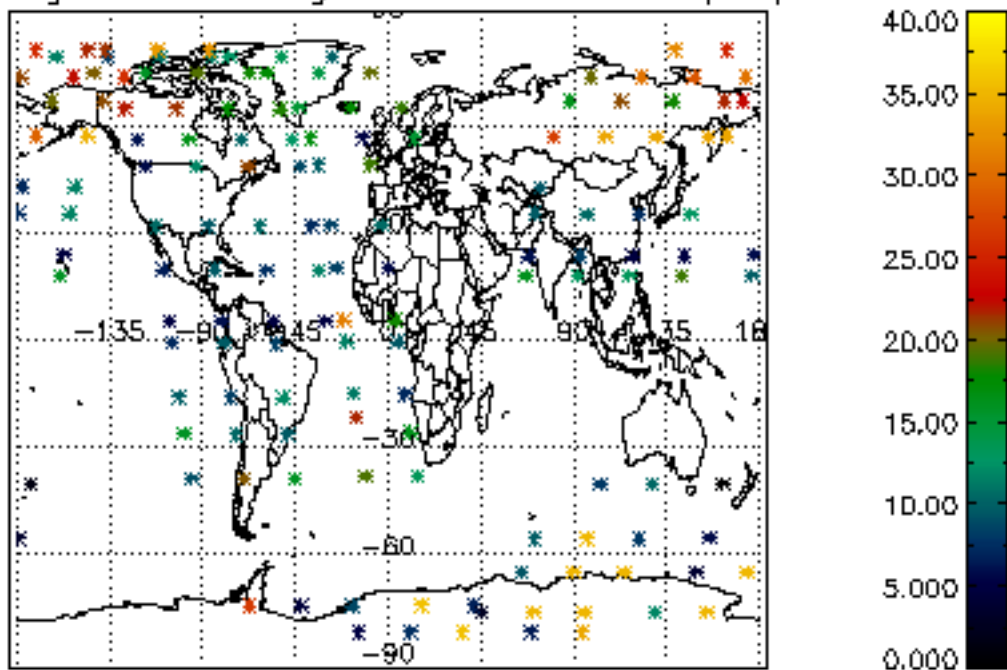
Percentage of cosmic ray hits per profile



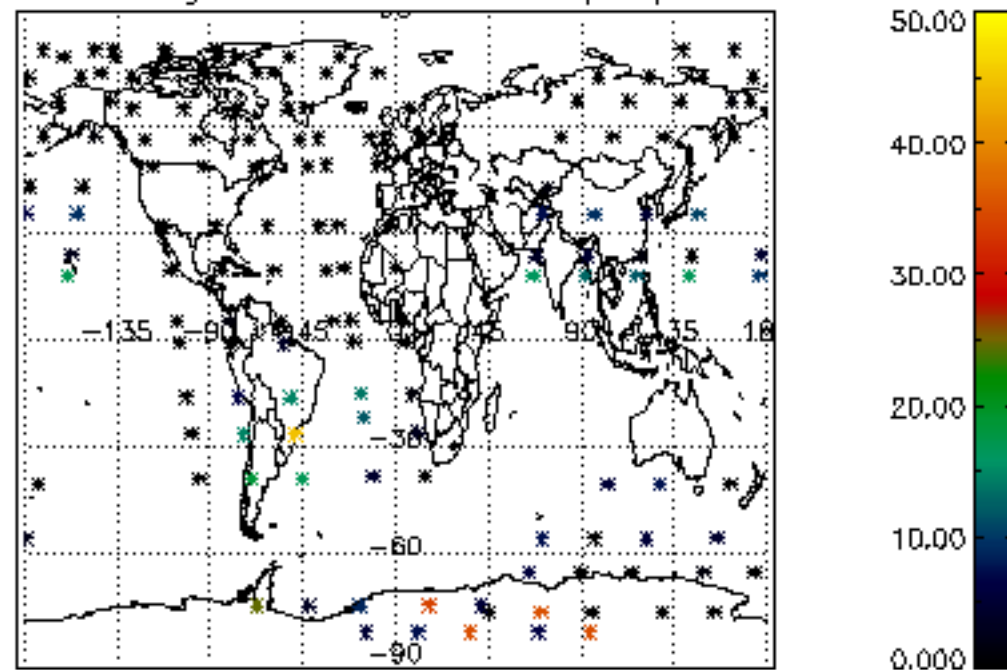
Percentage of datation errors per profile



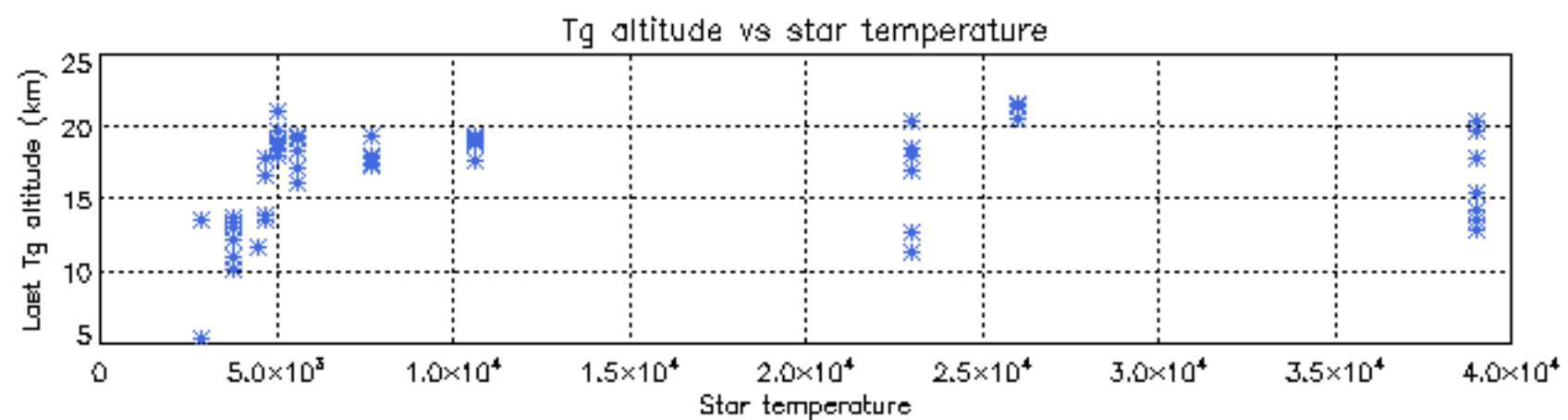
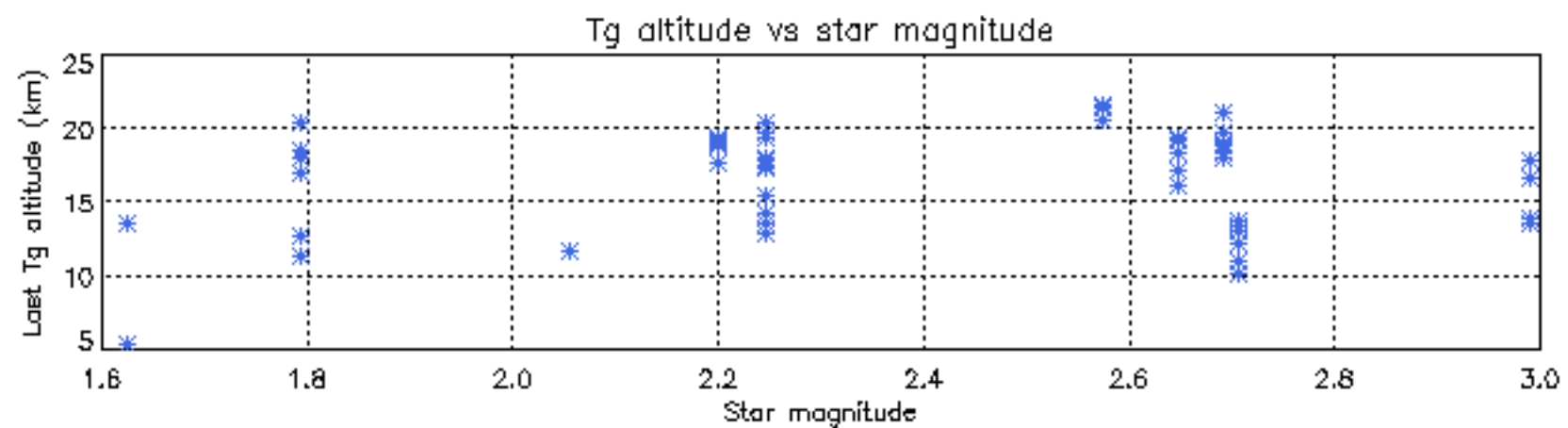
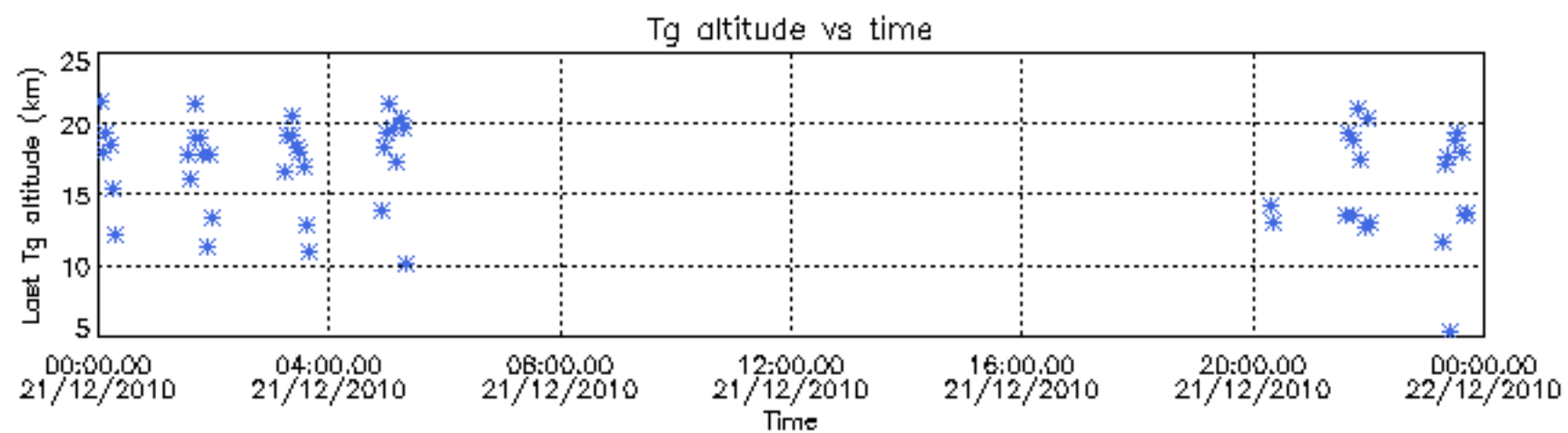
Percentage of star falling outside central band per profile



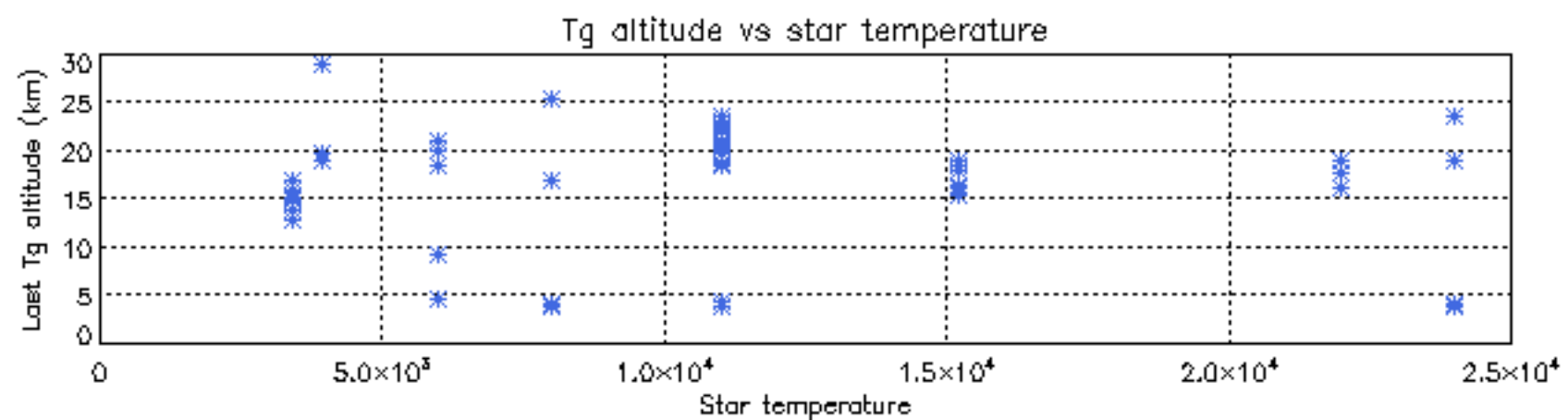
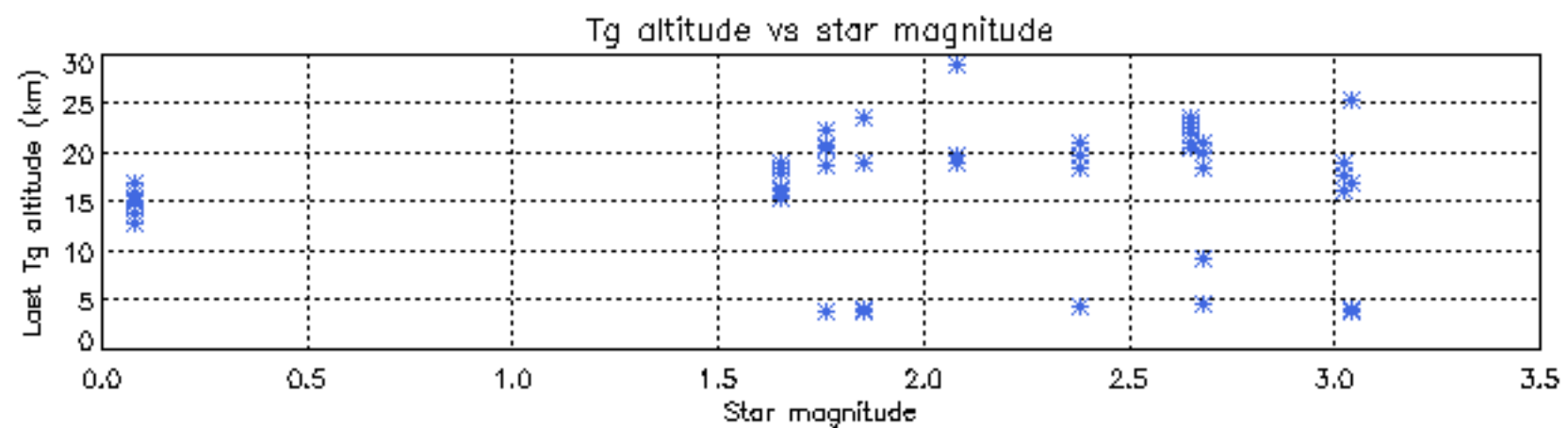
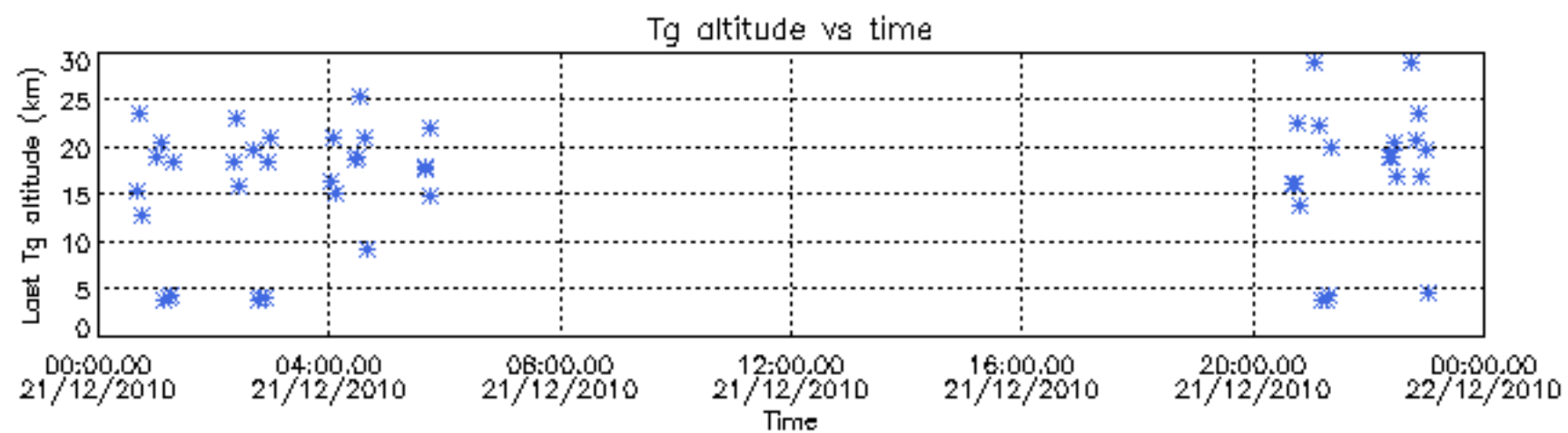
Percentage of saturation errors per profile

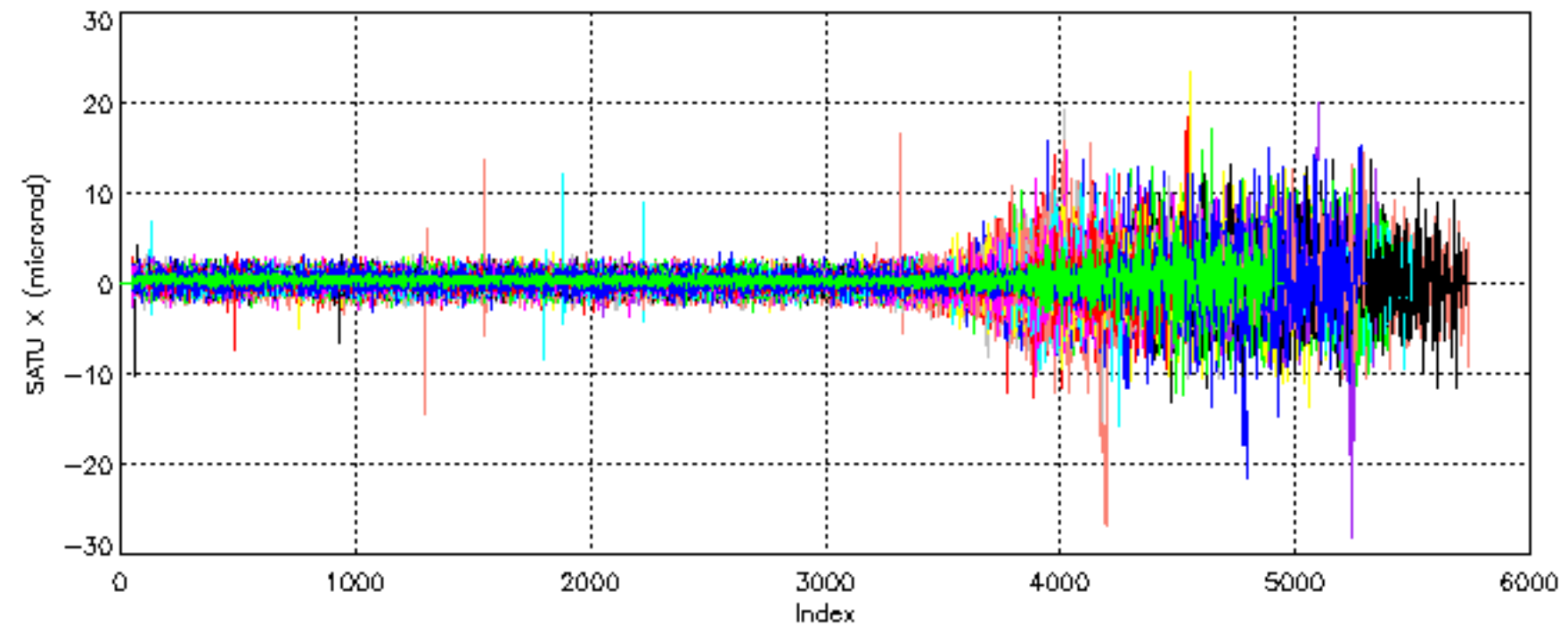


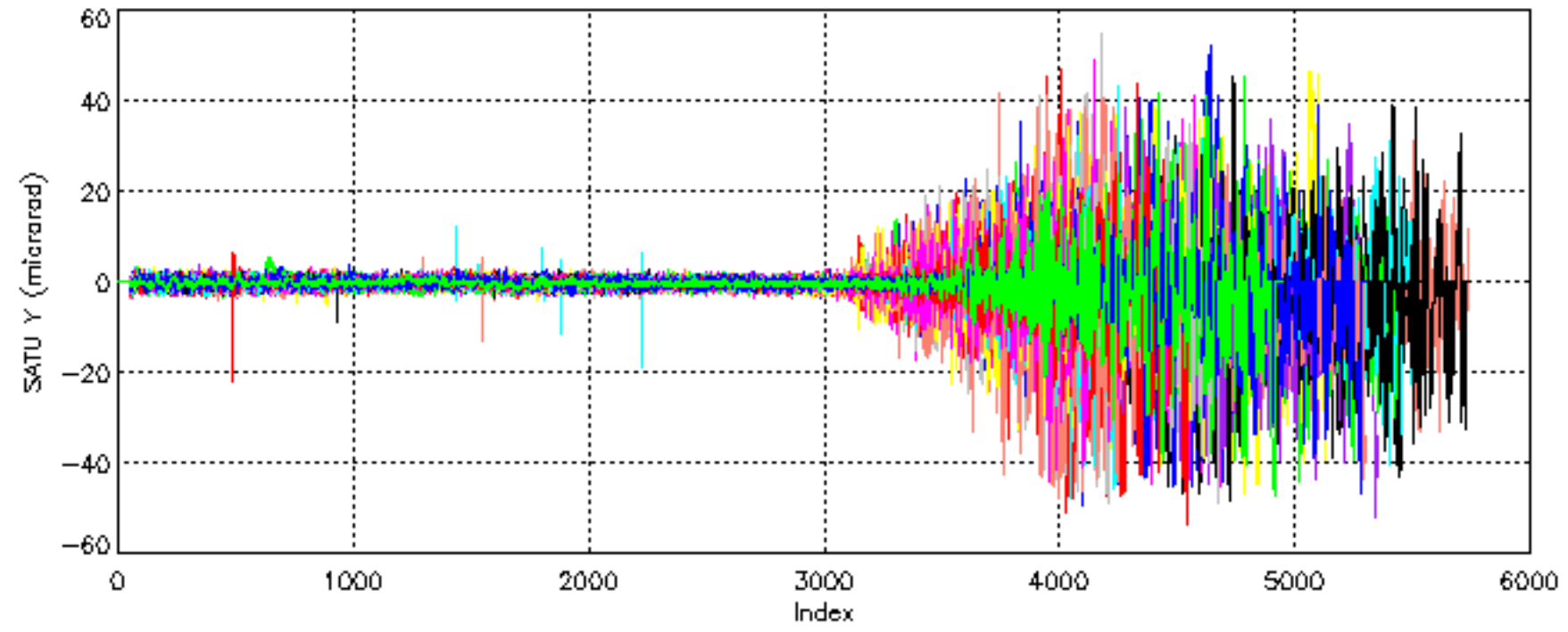
Tangent altitude at which the star is lost

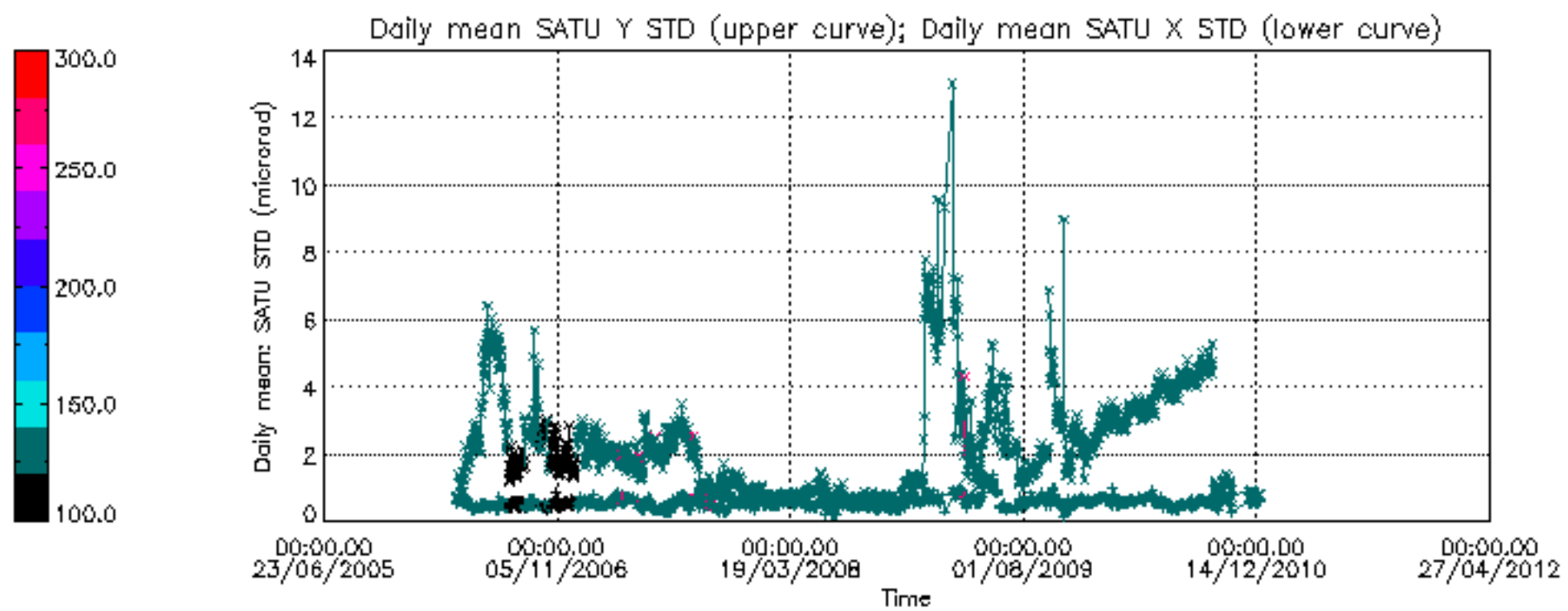


Tangent altitude at which the star is lost









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2; -485.7; 01-DEC-2010 00:24:11; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;45763
3; 80.8; 01-DEC-2010 00:33:37; Dark ; 42.0; 113; Mu Vel ; 2.69; 5000;occ; 84; 0;45764
4; 404.8; 01-DEC-2010 00:39:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45764
5; 595.6; 01-DEC-2010 00:42:12; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;45764
6; 797.9; 01-DEC-2010 00:45:35; Dark ; 49.0; 2; Alp Car ; -0.74; 7000;occ; 98; 0;45764
7; 907.6; 01-DEC-2010 00:47:24; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;45764
8; 1181.6; 01-DEC-2010 00:51:58; Dark ; 47.0; 108; Alp Col ; 2.65; 15200;occ; 94; 0;45764
9; 1523.2; 01-DEC-2010 00:57:40; Dark ; 54.5; 101; 11Alp Lep ; 2.58; 7000;occ; 109; 0;45764
10; 1739.4; 01-DEC-2010 01:01:16; Dark ; 68.5; 7; 19Bet Ori ; 0.10; 14000;occ; 137; 0;45764
11; 2218.1; 01-DEC-2010 01:09:15; Bright; 55.0; 13; 87Alp Tau ; 0.87; 3800;occ; 110; 0;45764
12; 2314.7; 01-DEC-2010 01:10:51; Bright; 37.5; 146; 25Eta Tau ; 2.87; 15200;occ; 75; 0;45764
13; 2456.2; 01-DEC-2010 01:13:13; Bright; 36.5; 150; 44Zet Per ; 2.89; 28000;occ; 73; 0;45764
14; 2601.4; 01-DEC-2010 01:15:38; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;45764
15; 2722.5; 01-DEC-2010 01:17:39; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45764
16; 2831.7; 01-DEC-2010 01:19:28; Bright; 53.0; 6; 13Alp Aur ; 0.08; 3400;occ; 106; 0;45764
17; 2940.4; 01-DEC-2010 01:21:17; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;45764
18; 3801.3; 01-DEC-2010 01:35:38; Bright; 45.0; 36; 50Alp UMa ; 1.80; 6300;occ; 90; 0;45764
19; 3896.8; 01-DEC-2010 01:37:13; Bright; 68.0; 82; 48Bet UMa ; 2.37; 10600;occ; 136; 0;45764
20; 3994.3; 01-DEC-2010 01:38:51; Bright; 38.0; 32; 77Eps UMa ; 1.76; 11000;occ; 76; 0;45764
21; 4165.0; 01-DEC-2010 01:41:42; Bright; 52.0; 174; 52Psi UMa ; 3.00; 4400;occ; 104; 0;45764
22; 4326.2; 01-DEC-2010 01:44:23; Bright; 39.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 78; 0;45764
23; 4896.6; 01-DEC-2010 01:53:53; Bright; 56.5; 62; 94Bet Leo ; 2.14; 9700;occ; 113; 0;45764
24; 5095.3; 01-DEC-2010 01:57:12; Bright; 23.5; 121; 29Gam Vir ; 2.74; 7200;occ; 47; 0;45764

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3; 405.6; 01-DEC-2010 02:19:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45765
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5; 798.6; 01-DEC-2010 02:25:49; Dark ; 58.0; 2; Alp Car ; -0.74; 7000;occ; 116; 0;45765
6; 908.6; 01-DEC-2010 02:27:39; Dark ; 64.0; 117; Pi Pup ; 2.71; 3800;occ; 128; 0;45765
7; 1182.1; 01-DEC-2010 02:32:13; Dark ; 47.0; 108; Alp Col ; 2.65; 15200;occ; 94; 0;45765
8; 1523.4; 01-DEC-2010 02:37:54; Dark ; 55.0; 101; 11Alp Lep ; 2.58; 7000;occ; 110; 0;45765
9; 1739.4; 01-DEC-2010 02:41:30; Dark ; 59.0; 7; 19Bet Ori ; 0.10; 14000;occ; 118; 0;45765
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12; 2456.0; 01-DEC-2010 02:53:27; Bright; 39.5; 150; 44Zet Per ; 2.89; 28000;occ; 79; 0;45765
13; 2601.2; 01-DEC-2010 02:55:52; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;45765
14; 2722.2; 01-DEC-2010 02:57:53; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45765
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3; -2019.8; 01-DEC-2010 03:19:05; Bright; 41.5; 32; 77Eps UMa ; 1.76; 11000;occ; 83; 0;45765
4; -1849.2; 01-DEC-2010 03:21:55; Bright; 67.0; 174; 52Psi UMa ; 3.00; 4400;occ; 134; 0;45765
5; -1687.8; 01-DEC-2010 03:24:37; Bright; 40.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 80; 0;45765
6; -1116.8; 01-DEC-2010 03:34:08; Bright; 58.0; 62; 94Bet Leo ; 2.14; 9700;occ; 116; 0;45765
7; -918.1; 01-DEC-2010 03:37:27; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;45765
8; -579.5; 01-DEC-2010 03:43:05; Dark ; 44.0; 100; 4Gam Crv ; 2.58; 13100;occ; 88; 0;45765
9; -484.1; 01-DEC-2010 03:44:41; Dark ; 47.0; 171; 2Eps Crv ; 3.00; 4250;occ; 94; 0;45765
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12; 597.5; 01-DEC-2010 04:02:42; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45766
13; 799.1; 01-DEC-2010 04:06:04; Dark ; 56.0; 2; Alp Car ; -0.74; 7000;occ; 112; 0;45766
14; 909.5; 01-DEC-2010 04:07:54; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;45766
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18; 2217.7; 01-DEC-2010 04:29:42; Bright; 58.5; 13; 87Alp Tau ; 0.87; 3800;occ; 117; 0;45766
19; 2314.5; 01-DEC-2010 04:31:19; Bright; 39.5; 146; 25Eta Tau ; 2.87; 15200;occ; 79; 0;45766
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22; 2722.5; 01-DEC-2010 04:38:07; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45766
23; 2830.6; 01-DEC-2010 04:39:55; Bright; 51.0; 6; 13Alp Aur ; 0.08; 3400;occ; 102; 0;45766
24; 2938.8; 01-DEC-2010 04:41:44; Bright; 46.5; 42; 34Bet Aur ; 1.90; 10200;occ; 93; 0;45766

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3;-2019.9; 01-DEC-2010 04:59:19; Bright; 38.5; 32; 77Eps UMa ; 1.76; 11000;occ; 77; 0;45766
4;-1849.5; 01-DEC-2010 05:02:09; Bright; 50.5; 174; 52Psi UMa ; 3.00; 4400;occ; 101; 0;45766
5;-1687.6; 01-DEC-2010 05:04:51; Bright; 40.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 81; 0;45766
6;-1116.1; 01-DEC-2010 05:14:23; Bright; 62.0; 62; 94Bet Leo ; 2.14; 9700;occ; 124; 0;45766
7; -917.6; 01-DEC-2010 05:17:41; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;45766
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9; -483.1; 01-DEC-2010 05:24:56; Dark ; 49.0; 171; 2Eps Crv ; 3.00; 4250;occ; 98; 0;45766
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11; 407.3; 01-DEC-2010 05:39:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45767
12; 598.5; 01-DEC-2010 05:42:57; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45767
13; 799.8; 01-DEC-2010 05:46:19; Dark ; 58.0; 2; Alp Car ;-0.74; 7000;occ; 116; 0;45767
14; 910.4; 01-DEC-2010 05:48:09; Dark ; 58.5; 117; Pi Pup ; 2.71; 3800;occ; 117; 0;45767
15; 1183.2; 01-DEC-2010 05:52:42; Dark ; 48.0; 108; Alp Col ; 2.65; 15200;occ; 96; 0;45767
16; 1523.8; 01-DEC-2010 05:58:23; Dark ; 51.0; 101; 11Alp Lep ; 2.58; 7000;occ; 102; 0;45767
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20; 2455.7; 01-DEC-2010 06:13:55; Bright; 38.0; 150; 44Zet Per ; 2.89; 28000;occ; 76; 0;45767
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22; 2722.2; 01-DEC-2010 06:18:21; Bright; 37.0; 175; 39Del Per ; 3.01; 19400;occ; 74; 0;45767
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7; 2076.1; 01-DEC-2010 21:09:41; Dark ; 46.0; 27; 24Gam Ori ; 1.64; 26000;occ; 92; 0;45776
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5; 2203.2; 05-DEC-2010 02:02:34; Dark ; 38.5; 13; 87Alp Tau ; 0.87; 3800;occ; 77; 21;45822
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7; 2445.6; 05-DEC-2010 02:06:36; Bright; 20.0; 150; 44Zet Per ; 2.89; 28000;occ; 40; 0;45822
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9; 2713.3; 05-DEC-2010 02:11:04; Bright; 44.5; 175; 39Del Per ; 3.01; 19400;occ; 89; 49;45822
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13; 4120.1; 05-DEC-2010 02:34:30; Bright; 48.5; 39; 85Eta UMa ; 1.85; 24000;occ; 97; 50;45822
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 23; 6843.8; 05-DEC-2010 10:00:50; Dark ; 45.5; 2; Alp Car ; -0.74; 7000;occ; 91; 0;45827
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 5; 2199.7; 05-DEC-2010 12:03:54; Dark ; 55.0; 13; 87Alp Tau ; 0.87; 3800;occ; 110; 0;45828
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 7; 2444.8; 05-DEC-2010 12:07:59; Bright; 38.0; 150; 44Zet Per ; 2.89; 28000;occ; 76; 0;45828
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 9; 2712.4; 05-DEC-2010 12:12:27; Bright; 36.0; 175; 39Del Per ; 3.01; 19400;occ; 72; 0;45828
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 11; 3777.4; 05-DEC-2010 12:30:12; Bright; 41.0; 36; 50Alp UMa ; 1.80; 6300;occ; 82; 0;45828
 12; 3870.8; 05-DEC-2010 12:31:46; Bright; 47.0; 82; 48Bet UMa ; 2.37; 10600;occ; 94; 0;45828
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 18; 5135.6; 05-DEC-2010 12:52:50; Dark ; 53.5; 121; 29Gam Vir ; 2.74; 7200;occ; 107; 0;45828
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17; 4862.7; 05-DEC-2010 14:28:31; Bright; 62.0; 138; 47Eps Vir ; 2.83; 4700;occ; 124; 0;45829
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23; 6666.6; 05-DEC-2010 14:58:35; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45830
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7;	2441.0;	07-DEC-2010	15:55:11;	Bright;		38.0;	150;	44Zet Per	;	2.89;	28000;occ;	76;	0;	45859
8;	2521.4;	07-DEC-2010	15:56:31;	Bright;		43.5;	114;	3Iot Aur	;	2.69;	4600;occ;	87;	0;	45859
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11;	3765.0;	07-DEC-2010	16:17:15;	Bright;		66.0;	36;	50Alp UMa	;	1.80;	6300;occ;	132;	0;	45859
12;	3857.0;	07-DEC-2010	16:18:46;	Bright;		49.5;	82;	48Bet UMa	;	2.37;	10600;occ;	99;	0;	45859
13;	3983.6;	07-DEC-2010	16:20:53;	Bright;		41.5;	32;	77Eps UMa	;	1.76;	11000;occ;	83;	0;	45859
14;	4120.4;	07-DEC-2010	16:23:10;	Bright;		39.5;	39;	85Eta UMa	;	1.85;	24000;occ;	79;	0;	45859
15;	4330.7;	07-DEC-2010	16:26:40;	Bright;		40.5;	152;	12Alp2CVn	;	2.89;	11000;occ;	81;	0;	45859
16;	4674.2;	07-DEC-2010	16:32:24;	Bright;		56.0;	111;	8Eta Boo	;	2.68;	6000;occ;	112;	0;	45859
17;	4876.5;	07-DEC-2010	16:35:46;	Bright;		43.0;	138;	47Eps Vir	;	2.83;	4700;occ;	86;	0;	45859
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24;	6498.3;	07-DEC-2010	17:02:48;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	45860
25;	6691.5;	07-DEC-2010	17:06:01;	Dark	;	48.5;	34;	Gam2Vel	;	1.79;	23000;occ;	97;	0;	45860
26;	6859.4;	07-DEC-2010	17:08:49;	Dark	;	49.0;	2;	Alp Car	;	-0.74;	7000;occ;	98;	0;	45860
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3;	1537.3;	07-DEC-2010	17:20:21;	Dark	;	50.5;	101;	11Alp Lep	;	2.58;	7000;occ;	101;	0;	45860
4;	1735.9;	07-DEC-2010	17:23:39;	Dark	;	55.0;	7;	19Bet Ori	;	0.10;	14000;occ;	110;	0;	45860
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12;	2857.9;	07-DEC-2010	17:42:21;	Bright;		47.5;	42;	34Bet Aur	;	1.90;	10200;occ;	95;	0;	45860
13;	3764.6;	07-DEC-2010	17:57:28;	Bright;		45.0;	36;	50Alp UMa	;	1.80;	6300;occ;	90;	0;	45860
14;	3856.5;	07-DEC-2010	17:59:00;	Bright;		48.0;	82;	48Bet UMa	;	2.37;	10600;occ;	96;	0;	45860
15;	3983.4;	07-DEC-2010	18:01:07;	Bright;		42.5;	32;	77Eps UMa	;	1.76;	11000;occ;	85;	0;	45860
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17;	4330.9;	07-DEC-2010	18:06:55;	Bright;		40.5;	152;	12Alp2CVn	;	2.89;	11000;occ;	81;	0;	45860
18;	4674.4;	07-DEC-2010	18:12:38;	Bright;		37.5;	111;	8Eta Boo	;	2.68;	6000;occ;	75;	0;	45860
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21;	5434.0;	07-DEC-2010	18:25:18;	Dark	;	43.5;	169;	46Gam Hya	;	2.99;	4700;occ;	87;	0;	45860
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23;	5616.4;	07-DEC-2010	18:28:20;	Dark	;	53.5;	171;	2Eps Crv	;	3.00;	4250;occ;	107;	0;	45860
24;	5970.6;	07-DEC-2010	18:34:14;	Dark	;	40.5;	99;	Del Cen	;	2.58;	26000;occ;	81;	0;	45860
25;	6173.8;	07-DEC-2010	18:37:37;	Dark	;	44.5;	113;	Mu Vel	;	2.69;	5000;occ;	89;	0;	45861
26;	6499.0;	07-DEC-2010	18:43:03;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	45861
27;	6692.2;	07-DEC-2010	18:46:16;	Dark	;	48.5;	34;	Gam2Vel	;	1.79;	23000;occ;	97;	0;	45861
28;	6859.9;	07-DEC-2010	18:49:03;	Dark	;	49.0;	2;	Alp Car	;	-0.74;	7000;occ;	98;	0;	45861
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19; 4877.4; 07-DEC-2010 19:56:15; Bright; 46.5; 138; 47Eps Vir ; 2.83; 4700;occ; 93; 0;45861
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13; 178.4; 09-DEC-2010 07:23:05; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45883
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 25; 4115.6; 17-DEC-2010 00:14:25; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;45993
 26; 4318.0; 17-DEC-2010 00:17:47; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;45993
 27; 4511.4; 17-DEC-2010 00:21:00; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;45993
 28; 4711.7; 17-DEC-2010 00:24:21; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;45993
 29; 5311.9; 17-DEC-2010 00:34:21; Dark ; 56.5; 15; 67Alp Vir ; 0.98; 28000;occ; 113; 0;45993

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 12; 36.4; 16-DEC-2010 08:04:19; Dark ; 43.0; 99; Del Cen ; 2.58; 26000;occ; 86; 0;45984
 13; 266.9; 16-DEC-2010 08:08:10; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45984
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 18; 1060.8; 16-DEC-2010 08:21:24; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;45984
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 20; 1295.6; 16-DEC-2010 08:25:18; Dark ; 53.0; 37; 25Del CMa ; 1.83; 5900;occ; 106; 0;45984
 21; 1526.2; 16-DEC-2010 08:29:09; Dark ; 53.5; 47; 2Bet CMa ; 1.98; 28000;occ; 107; 0;45984

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 3; 2059.0; 16-DEC-2010 08:38:02; Dark ; 60.5; 14; 58Alp Ori ; 0.87; 3000;occ; 121; 0;45984
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 12; 4317.2; 16-DEC-2010 09:15:40; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;45984
 13; 4510.0; 16-DEC-2010 09:18:53; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;45984
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 15; 4947.3; 16-DEC-2010 09:26:10; Bright; 51.0; 138; 47Eps Vir ; 2.83; 4700;occ; 102; 0;45984
 16; 5305.3; 16-DEC-2010 09:32:08; Dark ; 52.0; 15; 67Alp Vir ; 0.98; 28000;occ; 104; 0;45984
 17; 5514.8; 16-DEC-2010 09:35:38; Dark ; 49.0; 169; 46Gam Hya ; 2.99; 4700;occ; 98; 0;45984
 18; 5665.3; 16-DEC-2010 09:38:08; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;45984
 19; 5761.4; 16-DEC-2010 09:39:44; Dark ; 57.5; 171; 2Eps Crv ; 3.00; 4250;occ; 115; 0;45984
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 23; 6507.0; 16-DEC-2010 09:52:10; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;45985
 24; 6595.3; 16-DEC-2010 09:53:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45985
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 26; 6912.8; 16-DEC-2010 09:58:56; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;45985
 27; 7075.1; 16-DEC-2010 10:01:38; Dark ; 50.0; 117; Pi Pup ; 2.71; 3800;occ; 100; 0;45985
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9; 2775.3; 16-DEC-2010 10:30:12; Bright; 42.5; 42; 34Bet Aur ; 1.90; 10200;occ; 85; 0;45985
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13; 4317.3; 16-DEC-2010 10:55:54; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;45985
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19; 5666.4; 16-DEC-2010 11:18:23; Dark ; 52.0; 106; 9Bet Crv ; 2.65; 5600;occ; 104; 0;45985
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21; 5953.8; 16-DEC-2010 11:23:11; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;45985
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23; 6282.4; 16-DEC-2010 11:28:39; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45986
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27; 6913.6; 16-DEC-2010 11:39:10; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;45986
28; 7075.6; 16-DEC-2010 11:41:52; Dark ; 54.5; 117; Pi Pup ; 2.71; 3800;occ; 109; 0;45986
29; 7219.1; 16-DEC-2010 11:44:16; Dark ; 38.0; 88; 31Eta CMA ; 2.45; 20000;occ; 76; 0;45986
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31; 7540.4; 16-DEC-2010 11:49:37; Dark ; 16.0; 47; 2Bet CMA ; 1.98; 28000;occ; 32; 0;45986
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7; 2430.6; 16-DEC-2010 12:04:41; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;45986
8; 2644.5; 16-DEC-2010 12:08:15; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;45986
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12; 4116.2; 16-DEC-2010 12:32:47; Bright; 40.0; 39; 85Eta UMa ; 1.85; 24000;occ; 80; 0;45986
13; 4317.3; 16-DEC-2010 12:36:08; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;45986
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19; 5667.4; 16-DEC-2010 12:58:38; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;45986
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3; 1871.7; 16-DEC-2010 13:35:36; Dark ; 50.5; 30; 46Eps Ori ; 1.69; 30000;occ; 101; 0;45987
4; 2058.1; 16-DEC-2010 13:38:43; Dark ; 60.5; 14; 58Alp Ori ; 0.87; 3000;occ; 121; 0;45987
5; 2176.7; 16-DEC-2010 13:40:41; Dark ; 44.5; 13; 87Alp Tau ; 0.87; 3800;occ; 89; 0;45987
6; 2307.4; 16-DEC-2010 13:42:52; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;45987
7; 2430.3; 16-DEC-2010 13:44:55; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;45987

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12; 4116.3; 16-DEC-2010 14:13:01; Bright; 40.5; 39; 85Eta UMa ; 1.85; 24000;occ; 81; 0;45987
13; 4317.7; 16-DEC-2010 14:16:22; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;45987
14; 4510.6; 16-DEC-2010 14:19:35; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;45987
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17; 5308.3; 16-DEC-2010 16:13:07; Dark ; 55.0; 15; 67Alp Vir ; 0.98; 28000;occ; 110; 0;45988
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23; 6285.4; 16-DEC-2010 16:29:24; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;45989
24; 6509.7; 16-DEC-2010 16:33:08; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;45989
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29; 7270.7; 16-DEC-2010 16:45:49; Dark ; 6.5; 23; 21Eps CMa ; 1.50; 26000;occ; 13; 0;45989

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 22; 5768.1; 16-DEC-2010 18:01:01; Dark ; 46.0; 171; 2Eps Crv ; 3.00; 4250;occ; 92; 0;45989
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 27; 6599.2; 16-DEC-2010 18:14:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45990
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 29; 6916.7; 16-DEC-2010 18:20:10; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;45990
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 25; 4115.5; 17-DEC-2010 01:54:38; Bright; 43.0; 39; 85Eta UMa ; 1.85; 24000;occ; 86; 0;45994
 26; 4318.1; 17-DEC-2010 01:58:01; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;45994
 27; 4511.5; 17-DEC-2010 02:01:14; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;45994
 28; 4712.1; 17-DEC-2010 02:04:35; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;45994

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 4; 43.9; 17-DEC-2010 02:27:01; Dark ; 46.5; 99; Del Cen ; 2.58; 26000;occ; 93; 0;45995
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 6; 499.3; 17-DEC-2010 02:34:36; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;45995
 7; 588.8; 17-DEC-2010 02:36:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45995
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 9; 906.3; 17-DEC-2010 02:41:23; Dark ; 52.5; 70; Zet Pup ; 2.25; 39000;occ; 105; 0;45995
 10; 1066.6; 17-DEC-2010 02:44:03; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;45995
 11; 1259.0; 17-DEC-2010 02:47:16; Dark ; 53.5; 23; 21Eps CMa ; 1.50; 26000;occ; 107; 0;45995
 12; 1364.8; 17-DEC-2010 02:49:02; Dark ; 39.0; 179; 240mi2CMa ; 3.03; 24000;occ; 78; 0;45995
 13; 1527.6; 17-DEC-2010 02:51:44; Dark ; 52.5; 47; 2Bet CMa ; 1.98; 28000;occ; 105; 0;45995
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 19; 2427.2; 17-DEC-2010 03:06:44; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;45995
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 21; 2769.5; 17-DEC-2010 03:12:26; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;45995

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9; -336.8; 17-DEC-2010 04:00:54; Dark ; 60.0; 106; 9Bet Crv ; 2.65; 5600;occ; 120; 0;45995
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22; 1738.6; 17-DEC-2010 04:35:30; Dark ; 53.5; 7; 19Bet Ori ; 0.10; 14000;occ; 107; 0;45996
23; 1870.9; 17-DEC-2010 04:37:42; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;45996
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27; 2426.9; 17-DEC-2010 04:46:58; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;45996
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23; 2055.0; 17-DEC-2010 06:21:00; Dark ; 59.5; 14; 58Alp Ori ; 0.87; 3000;occ; 119; 0;45997
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26; 2426.6; 17-DEC-2010 06:27:12; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;45997
27; 2637.7; 17-DEC-2010 06:30:43; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;45997
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21;	3680.3;	25-DEC-2010	01:54:16;	Bright;	;	38.0;	60;	7Bet UMi	;	2.08;	3950;occ;	76;	0;	46109
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23;	4104.2;	25-DEC-2010	02:01:20;	Bright;	;	43.0;	39;	85Eta UMa	;	1.85;	24000;occ;	86;	0;	46109
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26; 7175.1; 31-DEC-2010 14:14:15; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;46203
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 8; 2553.4; 31-DEC-2010 14:37:28; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;46203
 9; 2678.0; 31-DEC-2010 14:39:32; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;46203
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13; 4331.0; 31-DEC-2010 15:07:05; Bright; 46.0; 180; 27Gam Boo ; 3.04; 8000;occ; 92; 0;46203
14; 4550.9; 31-DEC-2010 15:10:45; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;46203
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16; 5168.3; 31-DEC-2010 15:21:02; Bright; 56.0; 104; 27Bet Lib ; 2.61; 13100;occ; 112; 0;46203
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 23; 6634.9; 31-DEC-2010 15:45:29; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46204
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 27; 7175.5; 31-DEC-2010 15:54:30; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;46204
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 9; 2553.2; 31-DEC-2010 16:17:41; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;46204
 10; 2677.9; 31-DEC-2010 16:19:46; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;46204
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 12; 3892.1; 31-DEC-2010 16:40:00; Bright; 48.0; 32; 77Eps UMa ; 1.76; 11000;occ; 96; 0;46204
 13; 4088.1; 31-DEC-2010 16:43:16; Bright; 46.5; 39; 85Eta UMa ; 1.85; 24000;occ; 93; 0;46204
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 16; 4745.4; 31-DEC-2010 16:54:14; Bright; 53.0; 3; 16Alp Boo ; -0.05; 4250;occ; 106; 0;46204
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 23; 6480.3; 31-DEC-2010 17:23:08; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46205
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 27; 7051.0; 31-DEC-2010 17:32:39; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;46205
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 3; 1422.0; 31-DEC-2010 17:39:04; Dark ; 44.0; 179; 240mi2CMA ; 3.03; 24000;occ; 88; 0;46205
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 15; 4330.8; 31-DEC-2010 18:27:33; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;46205
 16; 4551.1; 31-DEC-2010 18:31:13; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;46205
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 22; 6112.9; 31-DEC-2010 18:57:15; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;46206
 23; 6221.9; 31-DEC-2010 18:59:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46206
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 26; 6749.9; 31-DEC-2010 19:07:52; Dark ; 47.0; 46; Del Vel ; 1.95; 10600;occ; 94; 0;46206
 27; 6920.5; 31-DEC-2010 19:10:43; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;46206
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3;	1329.8;	31-DEC-2010	19:17:46;	Dark	;	44.0;	23;	21Eps CMa	;	1.50;	26000;occ;	88;	0;	46206
4;	1422.0;	31-DEC-2010	19:19:18;	Dark	;	42.5;	179;	24Omi2CMa	;	3.03;	24000;occ;	85;	0;	46206
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6;	1719.2;	31-DEC-2010	19:24:16;	Dark	;	42.0;	56;	53Kap Ori	;	2.07;	30000;occ;	84;	0;	46206
7;	1869.3;	31-DEC-2010	19:26:46;	Dark	;	44.5;	30;	46Eps Ori	;	1.69;	30000;occ;	89;	0;	46206
8;	2020.2;	31-DEC-2010	19:29:17;	Dark	;	55.0;	14;	58Alp Ori	;	0.87;	3000;occ;	110;	0;	46206
9;	2215.8;	31-DEC-2010	19:32:32;	Dark	;	57.0;	44;	24Gam Gem	;	1.93;	11000;occ;	114;	0;	46206
10;	2313.6;	31-DEC-2010	19:34:10;	Bright;	;	47.5;	151;	13Mu Gem	;	2.89;	3000;occ;	95;	0;	46206
11;	2552.7;	31-DEC-2010	19:38:09;	Bright;	;	39.0;	107;	37The Aur	;	2.65;	11000;occ;	78;	0;	46206
12;	2677.7;	31-DEC-2010	19:40:14;	Bright;	;	41.0;	6;	13Alp Aur	;	0.08;	3400;occ;	82;	0;	46206
13;	3672.2;	31-DEC-2010	19:56:49;	Bright;	;	35.0;	60;	7Bet UMi	;	2.08;	3950;occ;	70;	0;	46206
14;	3891.1;	31-DEC-2010	20:00:28;	Bright;	;	49.5;	32;	77Eps UMa	;	1.76;	11000;occ;	99;	0;	46206
15;	4087.7;	31-DEC-2010	20:03:44;	Bright;	;	66.0;	39;	85Eta UMa	;	1.85;	24000;occ;	132;	0;	46206
16;	4330.9;	31-DEC-2010	20:07:47;	Bright;	;	62.0;	180;	27Gam Boo	;	3.04;	8000;occ;	124;	0;	46206
17;	4551.4;	31-DEC-2010	20:11:28;	Bright;	;	62.0;	83;		;	2.38;	11000;occ;	124;	0;	46206
18;	4746.2;	31-DEC-2010	20:14:43;	Bright;	;	53.5;	3;	16Alp Boo	;	-0.05;	4250;occ;	107;	0;	46206
19;	5169.6;	31-DEC-2010	20:21:46;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;occ;	112;	0;	46206
20;	5327.7;	31-DEC-2010	20:24:24;	Dark	;	45.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	91;	0;	46206
21;	5739.5;	31-DEC-2010	20:31:16;	Dark	;	48.5;	54;	5The Cen	;	2.06;	4500;occ;	97;	0;	46206
22;	5904.9;	31-DEC-2010	20:34:01;	Dark	;	42.0;	95;	Zet Cen	;	2.55;	26000;occ;	84;	0;	46206
23;	6113.8;	31-DEC-2010	20:37:30;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;occ;	89;	0;	46207
24;	6222.7;	31-DEC-2010	20:39:19;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	46207
25;	6482.0;	31-DEC-2010	20:43:38;	Dark	;	46.5;	113;	Mu Vel	;	2.69;	5000;occ;	93;	0;	46207
26;	6636.4;	31-DEC-2010	20:46:13;	Dark	;	45.0;	71;	Iot Car	;	2.25;	7700;occ;	90;	0;	46207
27;	6750.2;	31-DEC-2010	20:48:07;	Dark	;	42.5;	46;	Del Vel	;	1.95;	10600;occ;	85;	0;	46207
28;	6921.0;	31-DEC-2010	20:50:57;	Dark	;	48.0;	34;	Gam2Vel	;	1.79;	23000;occ;	96;	0;	46207
29;	7051.8;	31-DEC-2010	20:53:08;	Dark	;	23.5;	70;	Zet Pup	;	2.25;	39000;occ;	47;	0;	46207