

GOMOS Daily Report 31-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	03JAN2011 05:08:45
Data source version	GOMOS/5.01
Start time of products	31DEC2010 00:00:58
Stop time of products	31DEC2010 23:58:00
Store outputs in DB	Yes
Nb of level 1b prods	158
Nb of prods with errors	1

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

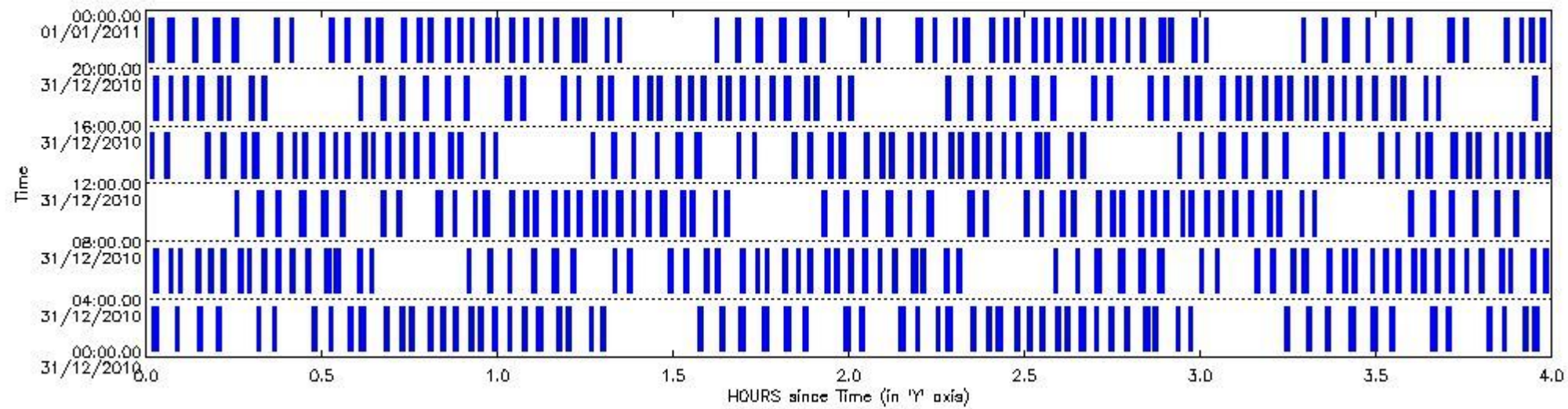
2.1 Level 0 products arrived in PCF (see template [here](#))

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

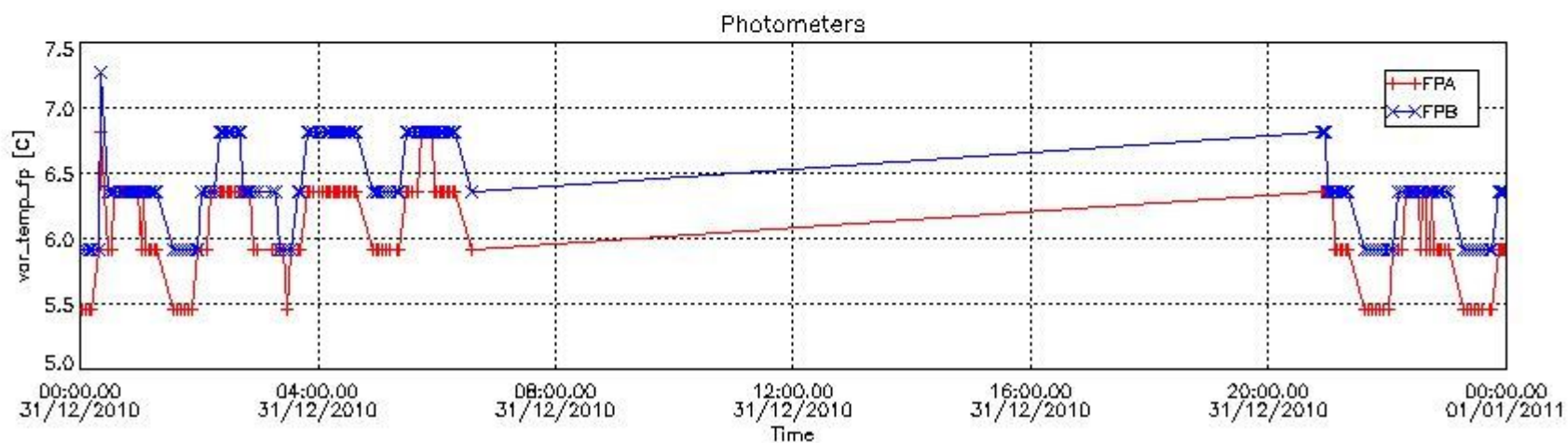
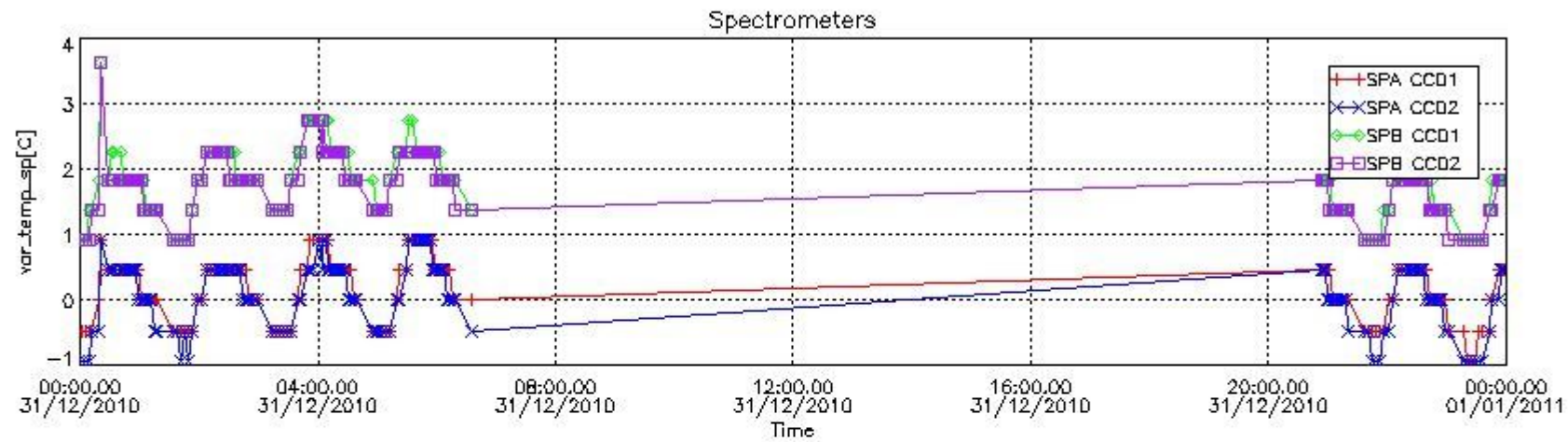
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20101231_000058_000000663098_00059_46194_0464.N1	31-DEC-2010 00:00:58	Bright	66.000	39	85Eta UMa	1.8540	24000.	132	46194	No
2	GOM_TRA_1PNPDE20101231_000458_000000413098_00059_46194_0465.N1	31-DEC-2010 00:04:58	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	46194	No
3	GOM_TRA_1PNPDE20101231_000837_000000613098_00059_46194_0466.N1	31-DEC-2010 00:08:37	Bright	61.000	83		2.3780	11000.	122	46194	No
4	GOM_TRA_1PNPDE20101231_001149_000000523098_00059_46194_0467.N1	31-DEC-2010 00:11:49	Bright	52.000	3	16Alp Boo	-0.050000	4250.0	104	46194	No
5	GOM_TRA_1PNPDE20101231_001852_000000423098_00059_46194_0468.N1	31-DEC-2010 00:18:52	Bright	42.000	104	27Bet Lib	2.6140	13100.	84	46194	No
6	GOM_TRA_1PNPDE20101231_002129_000000463098_00059_46194_0472.N1	31-DEC-2010 00:21:29	Twilight_stray	45.500	122	9Alp2Lib	2.7470	9700.0	91	46194	Yes
7	GOM_TRA_1PNPDE20101231_002819_000000483098_00059_46194_0473.N1	31-DEC-2010 00:28:19	Dark	47.500	54	5The Cen	2.0550	4500.0	95	46194	No
8	GOM_TRA_1PNPDE20101231_003106_000000413098_00059_46194_0474.N1	31-DEC-2010 00:31:06	Dark	40.500	95	Zet Cen	2.5450	26000.	81	46194	No
9	GOM_TRA_1PNPDE20101231_003432_000000483098_00060_46195_0475.N1	31-DEC-2010 00:34:32	Dark	47.500	64	Gam Cen	2.2000	10600.	95	46195	No
10	GOM_TRA_1PNPDE20101231_004039_000000483098_00060_46195_0476.N1	31-DEC-2010 00:40:39	Dark	48.000	113	Mu Vel	2.6920	5000.0	96	46195	No
11	GOM_TRA_1PNPDE20101231_004318_000000413098_00060_46195_0477.N1	31-DEC-2010 00:43:18	Dark	41.000	71	Iot Car	2.2460	7700.0	82	46195	No
12	GOM_TRA_1PNPDE20101231_004454_000000503098_00060_46195_0478.N1	31-DEC-2010 00:44:54	Dark	50.000	41	Eps Car	1.8600	4100.0	100	46195	No

13	GOM_TRA_1PNPDE20101231_004803_000000453098_00060_46195_0479.N1	31-DEC-2010 00:48:03	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	46195	No
14	GOM_TRA_1PNPDE20101231_005014_000000503098_00060_46195_0480.N1	31-DEC-2010 00:50:14	Dark	50.000	70	Zet Pup	2.2460	39000.	100	46195	No
15	GOM_TRA_1PNPDE20101231_005220_000000523098_00060_46195_0481.N1	31-DEC-2010 00:52:20	Dark	51.500	117	Pi Pup	2.7060	3800.0	103	46195	No
16	GOM_TRA_1PNPDE20101231_005509_000000463098_00060_46195_0482.N1	31-DEC-2010 00:55:09	Straylight	46.000	23	21Eps CMa	1.5020	26000.	92	46195	No
17	GOM_TRA_1PNPDE20101231_005641_000000473098_00060_46195_0483.N1	31-DEC-2010 00:56:41	Straylight	46.500	179	24Omi2CMa	3.0320	24000.	93	46195	No
18	GOM_TRA_1PNPDE20101231_005910_000000463098_00060_46195_0484.N1	31-DEC-2010 00:59:10	Straylight	46.000	1	9Alp CMa	-1.4400	11000.	92	46195	No
19	GOM_TRA_1PNPDE20101231_010140_000000433098_00060_46195_0485.N1	31-DEC-2010 01:01:40	Straylight	42.500	56	53Kap Ori	2.0650	30000.	85	46195	No
20	GOM_TRA_1PNPDE20101231_010410_000000453098_00060_46195_0486.N1	31-DEC-2010 01:04:10	Straylight	44.500	30	46Eps Ori	1.6940	30000.	89	46195	No
21	GOM_TRA_1PNPDE20101231_010642_000000563098_00060_46195_0487.N1	31-DEC-2010 01:06:42	Twilight_stray	56.000	14	58Alp Ori	0.87000	3000.0	112	46195	No
22	GOM_TRA_1PNPDE20101231_011001_000000573098_00060_46195_0488.N1	31-DEC-2010 01:10:01	Bright	56.500	44	24Gam Gem	1.9280	11000.	113	46195	No
23	GOM_TRA_1PNPDE20101231_011139_000000473098_00060_46195_0489.N1	31-DEC-2010 01:11:39	Bright	47.000	151	13Mu Gem	2.8900	3000.0	94	46195	No
24	GOM_TRA_1PNPDE20101231_011537_000000393098_00060_46195_0490.N1	31-DEC-2010 01:15:37	Bright	38.500	107	37The Aur	2.6490	11000.	77	46195	No
25	GOM_TRA_1PNPDE20101231_011740_000000423098_00060_46195_0491.N1	31-DEC-2010 01:17:40	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	46195	No
26	GOM_TRA_1PNPDE20101231_013415_000000373098_00060_46195_0492.N1	31-DEC-2010 01:34:15	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	46195	No
27	GOM_TRA_1PNPDE20101231_013758_000000483098_00060_46195_0493.N1	31-DEC-2010 01:37:58	Bright	47.500	32	77Eps UMa	1.7630	11000.	95	46195	No
28	GOM_TRA_1PNPDE20101231_014112_000000663098_00060_46195_0494.N1	31-DEC-2010 01:41:12	Bright	66.000	39	85Eta UMa	1.8540	24000.	132	46195	No
29	GOM_TRA_1PNPDE20101231_014512_000000623098_00060_46195_0495.N1	31-DEC-2010 01:45:12	Bright	62.000	180	27Gam Boo	3.0400	8000.0	124	46195	No
30	GOM_TRA_1PNPDE20101231_014851_000000613098_00060_46195_0496.N1	31-DEC-2010 01:48:51	Bright	61.000	83		2.3780	11000.	122	46195	No
31	GOM_TRA_1PNPDE20101231_015204_000000523098_00060_46195_0497.N1	31-DEC-2010 01:52:04	Bright	52.000	3	16Alp Boo	-0.050000	4250.0	104	46195	No
32	GOM_TRA_1PNPDE20101231_015907_000000563098_00060_46195_0486.N1	31-DEC-2010 01:59:07	Bright	56.000	104	27Bet Lib	2.6140	13100.	112	46195	No
33	GOM_TRA_1PNPDE20101231_020143_000000463098_00060_46195_0487.N1	31-DEC-2010 02:01:43	Twilight_stray	46.000	122	9Alp2Lib	2.7470	9700.0	92	46195	No
34	GOM_TRA_1PNPDE20101231_020834_000000533098_00060_46195_0488.N1	31-DEC-2010 02:08:34	Dark	53.000	54	5The Cen	2.0550	4500.0	106	46195	No
35	GOM_TRA_1PNPDE20101231_021120_000000423098_00060_46195_0489.N1	31-DEC-2010 02:11:20	Dark	42.000	95	Zet Cen	2.5450	26000.	84	46195	No
36	GOM_TRA_1PNPDE20101231_021447_000000443098_00061_46196_0490.N1	31-DEC-2010 02:14:47	Dark	43.500	64	Gam Cen	2.2000	10600.	87	46196	No
37	GOM_TRA_1PNPDE20101231_022054_000000473098_00061_46196_0491.N1	31-DEC-2010 02:20:54	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46196	No
38	GOM_TRA_1PNPDE20101231_022332_000000423098_00061_46196_0492.N1	31-DEC-2010 02:23:32	Dark	41.500	71	lot Car	2.2460	7700.0	83	46196	No
39	GOM_TRA_1PNPDE20101231_022508_000000563098_00061_46196_0493.N1	31-DEC-2010 02:25:08	Dark	56.000	41	Eps Car	1.8600	4100.0	112	46196	No
40	GOM_TRA_1PNPDE20101231_022817_000000473098_00061_46196_0494.N1	31-DEC-2010 02:28:17	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	46196	No
41	GOM_TRA_1PNPDE20101231_023028_000000463098_00061_46196_0495.N1	31-DEC-2010 02:30:28	Dark	45.500	70	Zet Pup	2.2460	39000.	91	46196	No
42	GOM_TRA_1PNPDE20101231_023234_000000493098_00061_46196_0496.N1	31-DEC-2010 02:32:34	Dark	48.500	117	Pi Pup	2.7060	3800.0	97	46196	No
43	GOM_TRA_1PNPDE20101231_023523_000000473098_00061_46196_0497.N1	31-DEC-2010 02:35:23	Straylight	47.000	23	21Eps CMa	1.5020	26000.	94	46196	No
44	GOM_TRA_1PNPDE20101231_023656_000000463098_00061_46196_0498.N1	31-DEC-2010 02:36:56	Straylight	45.500	179	24Omi2CMa	3.0320	24000.	91	46196	No
45	GOM_TRA_1PNPDE20101231_023925_000000493098_00061_46196_0499.N1	31-DEC-2010 02:39:25	Straylight	49.000	1	9Alp CMa	-1.4400	11000.	98	46196	No
46	GOM_TRA_1PNPDE20101231_024154_000000433098_00061_46196_0500.N1	31-DEC-2010 02:41:54	Straylight	43.000	56	53Kap Ori	2.0650	30000.	86	46196	No
47	GOM_TRA_1PNPDE20101231_024425_000000453098_00061_46196_0501.N1	31-DEC-2010 02:44:25	Straylight	45.000	30	46Eps Ori	1.6940	30000.	90	46196	No
48	GOM_TRA_1PNPDE20101231_024656_000000563098_00061_46196_0502.N1	31-DEC-2010 02:46:56	Twilight_stray	56.000	14	58Alp Ori	0.87000	3000.0	112	46196	No
49	GOM_TRA_1PNPDE20101231_025015_000000603098_00061_46196_0503.N1	31-DEC-2010 02:50:15	Bright	59.500	44	24Gam Gem	1.9280	11000.	119	46196	No
50	GOM_TRA_1PNPDE20101231_025153_000000493098_00061_46196_0504.N1	31-DEC-2010 02:51:53	Bright	49.000	151	13Mu Gem	2.8900	3000.0	98	46196	No
51	GOM_TRA_1PNPDE20101231_025551_000000393098_00061_46196_0505.N1	31-DEC-2010 02:55:51	Bright	39.000	107	37The Aur	2.6490	11000.	78	46196	No
52	GOM_TRA_1PNPDE20101231_025754_000000413098_00061_46196_0506.N1	31-DEC-2010 02:57:54	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	46196	No
53	GOM_TRA_1PNPDE20101231_031429_000000373098_00061_46196_0519.N1	31-DEC-2010 03:14:29	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	46196	No
54	GOM_TRA_1PNPDE20101231_031811_000000483098_00061_46196_0520.N1	31-DEC-2010 03:18:11	Bright	47.500	32	77Eps UMa	1.7630	11000.	95	46196	No
55	GOM_TRA_1PNPDE20101231_032126_000000443098_00061_46196_0521.N1	31-DEC-2010 03:21:26	Bright	44.000	39	85Eta UMa	1.8540	24000.	88	46196	No
56	GOM_TRA_1PNPDE20101231_032527_000000553098_00061_46196_0522.N1	31-DEC-2010 03:25:27	Bright	55.000	180	27Gam Boo	3.0400	8000.0	110	46196	No
57	GOM_TRA_1PNPDE20101231_032905_000000623098_00061_46196_0523.N1	31-DEC-2010 03:29:05	Bright	62.000	83		2.3780	11000.	124	46196	No
58	GOM_TRA_1PNPDE20101231_033218_000000533098_00061_46196_0524.N1	31-DEC-2010 03:32:18	Bright	52.500	3	16Alp Boo	-0.050000	4250.0	105	46196	No
59	GOM_TRA_1PNPDE20101231_033921_000000563098_00061_46196_0525.N1	31-DEC-2010 03:39:21	Bright	56.000	104	27Bet Lib	2.6140	13100.	112	46196	No
60	GOM_TRA_1PNPDE20101231_034158_000000473098_00061_46196_0526.N1	31-DEC-2010 03:41:58	Twilight_stray	47.000	122	9Alp2Lib	2.7470	9700.0	94	46196	No
61	GOM_TRA_1PNPDE20101231_034848_000000483098_00061_46196_0527.N1	31-DEC-2010 03:48:48	Dark	48.000	54	5The Cen	2.0550	4500.0	96	46196	No
62	GOM_TRA_1PNPDE20101231_035135_000000413098_00061_46196_0528.N1	31-DEC-2010 03:51:35	Dark	40.500	95	Zet Cen	2.5450	26000.	81	46196	No
63	GOM_TRA_1PNPDE20101231_035502_000000463098_00062_46197_0529.N1	31-DEC-2010 03:55:02	Dark	46.000	64	Gam Cen	2.2000	10600.	92	46197	No
64	GOM_TRA_1PNPDE20101231_040109_000000483098_00062_46197_0530.N1	31-DEC-2010 04:01:09	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	46197	No
65	GOM_TRA_1PNPDE20101231_040347_000000433098_00062_46197_0531.N1	31-DEC-2010 04:03:47	Dark	43.000	71	lot Car	2.2460	7700.0	86	46197	No
66	GOM_TRA_1PNPDE20101231_040523_000000483098_00062_46197_0532.N1	31-DEC-2010 04:05:23	Dark	47.500	41	Eps Car	1.8600	4100.0	95	46197	No
67	GOM_TRA_1PNPDE20101231_040832_000000473098_00062_46197_0533.N1	31-DEC-2010 04:08:32	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	46197	No
68	GOM_TRA_1PNPDE20101231_041043_000000493098_00062_46197_0534.N1	31-DEC-2010 04:10:43	Dark	48.500	70	Zet Pup	2.2460	39000.	97	46197	No
69	GOM_TRA_1PNPDE20101231_041249_000000443098_00062_46197_0535.N1	31-DEC-2010 04:12:49	Dark	43.500	117	Pi Pup	2.7060	3800.0	87	46197	No
70	GOM_TRA_1PNPDE20101231_041537_000000473098_00062_46197_0536.N1	31-DEC-2010 04:15:37	Straylight	46.500	23	21Eps CMa	1.5020	26000.	93	46197	No
71	GOM_TRA_1PNPDE20101231_041710_000000463098_00062_46197_0537.N1	31-DEC-2010 04:17:10	Straylight	45.500	179	24Omi2CMa	3.0320	24000.	91	46197	No

72	GOM_TRA_1PNPDE20101231_041939_000000503098_00062_46197_0538.N1	31-DEC-2010 04:19:39	Straylight	49.500	1	9Alp CMa	-1.4400	11000.	99	46197	No
73	GOM_TRA_1PNPDE20101231_042209_000000433098_00062_46197_0539.N1	31-DEC-2010 04:22:09	Straylight	42.500	56	53Kap Ori	2.0650	30000.	85	46197	No
74	GOM_TRA_1PNPDE20101231_042439_000000433098_00062_46197_0540.N1	31-DEC-2010 04:24:39	Straylight	42.500	30	46Eps Ori	1.6940	30000.	85	46197	No
75	GOM_TRA_1PNPDE20101231_042711_000000533098_00062_46197_0541.N1	31-DEC-2010 04:27:11	Twilight_and_stray	52.500	14	58Alp Ori	0.87000	3000.0	105	46197	No
76	GOM_TRA_1PNPDE20101231_043029_000000603098_00062_46197_0542.N1	31-DEC-2010 04:30:29	Bright	60.000	44	24Gam Gem	1.9280	11000.	120	46197	No
77	GOM_TRA_1PNPDE20101231_043207_000000613098_00062_46197_0543.N1	31-DEC-2010 04:32:07	Bright	61.000	151	13Mu Gem	2.8900	3000.0	122	46197	No
78	GOM_TRA_1PNPDE20101231_043605_000000413098_00062_46197_0544.N1	31-DEC-2010 04:36:05	Bright	40.500	107	37The Aur	2.6490	11000.	81	46197	No
79	GOM_TRA_1PNPDE20101231_043809_000000413098_00062_46197_0545.N1	31-DEC-2010 04:38:09	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	46197	No
80	GOM_TRA_1PNPDE20101231_045443_000000393098_00062_46197_0539.N1	31-DEC-2010 04:54:43	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	46197	No
81	GOM_TRA_1PNPDE20101231_045825_000000493098_00062_46197_0540.N1	31-DEC-2010 04:58:25	Bright	48.500	32	77Eps UMa	1.7630	11000.	97	46197	No
82	GOM_TRA_1PNPDE20101231_050140_000000453098_00062_46197_0541.N1	31-DEC-2010 05:01:40	Bright	44.500	39	85Eta UMa	1.8540	24000.	89	46197	No
83	GOM_TRA_1PNPDE20101231_050541_000000623098_00062_46197_0542.N1	31-DEC-2010 05:05:41	Bright	62.000	180	27Gam Boo	3.0400	8000.0	124	46197	No
84	GOM_TRA_1PNPDE20101231_050920_000000623098_00062_46197_0543.N1	31-DEC-2010 05:09:20	Bright	62.000	83		2.3780	11000.	124	46197	No
85	GOM_TRA_1PNPDE20101231_051233_000000523098_00062_46197_0544.N1	31-DEC-2010 05:12:33	Bright	51.500	3	16Alp Boo	-0.050000	4250.0	103	46197	No
86	GOM_TRA_1PNPDE20101231_051936_000000403098_00062_46197_0545.N1	31-DEC-2010 05:19:36	Bright	40.000	104	27Bet Lib	2.6140	13100.	80	46197	No
87	GOM_TRA_1PNPDE20101231_052213_000000473098_00062_46197_0546.N1	31-DEC-2010 05:22:13	Twilight_and_stray	47.000	122	9Alp2Lib	2.7470	9700.0	94	46197	No
88	GOM_TRA_1PNPDE20101231_052903_000000533098_00062_46197_0547.N1	31-DEC-2010 05:29:03	Dark	53.000	54	5The Cen	2.0550	4500.0	106	46197	No
89	GOM_TRA_1PNPDE20101231_053150_000000393098_00062_46197_0548.N1	31-DEC-2010 05:31:50	Dark	39.000	95	Zet Cen	2.5450	26000.	78	46197	No
90	GOM_TRA_1PNPDE20101231_053517_000000443098_00063_46198_0549.N1	31-DEC-2010 05:35:17	Dark	44.000	64	Gam Cen	2.2000	10600.	88	46198	No
91	GOM_TRA_1PNPDE20101231_054124_000000473098_00063_46198_0550.N1	31-DEC-2010 05:41:24	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	46198	No
92	GOM_TRA_1PNPDE20101231_054402_000000443098_00063_46198_0551.N1	31-DEC-2010 05:44:02	Dark	44.000	71	lot Car	2.2460	7700.0	88	46198	No
93	GOM_TRA_1PNPDE20101231_054537_000000443098_00063_46198_0552.N1	31-DEC-2010 05:45:37	Dark	43.500	41	Eps Car	1.8600	4100.0	87	46198	No
94	GOM_TRA_1PNPDE20101231_054847_000000433098_00063_46198_0553.N1	31-DEC-2010 05:48:47	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	46198	No
95	GOM_TRA_1PNPDE20101231_055057_000000443098_00063_46198_0554.N1	31-DEC-2010 05:50:57	Dark	44.000	70	Zet Pup	2.2460	39000.	88	46198	No
96	GOM_TRA_1PNPDE20101231_055303_000000493098_00063_46198_0555.N1	31-DEC-2010 05:53:03	Dark	48.500	117	Pi Pup	2.7060	3800.0	97	46198	No
97	GOM_TRA_1PNPDE20101231_055552_000000483098_00063_46198_0556.N1	31-DEC-2010 05:55:52	Straylight	48.000	23	21Eps CMa	1.5020	26000.	96	46198	No
98	GOM_TRA_1PNPDE20101231_055725_000000463098_00063_46198_0557.N1	31-DEC-2010 05:57:25	Straylight	46.000	179	24Omi2CMa	3.0320	24000.	92	46198	No
99	GOM_TRA_1PNPDE20101231_055953_000000523098_00063_46198_0558.N1	31-DEC-2010 05:59:53	Straylight	52.000	1	9Alp CMa	-1.4400	11000.	104	46198	No
100	GOM_TRA_1PNPDE20101231_060223_000000453098_00063_46198_0559.N1	31-DEC-2010 06:02:23	Straylight	44.500	56	53Kap Ori	2.0650	30000.	89	46198	No
101	GOM_TRA_1PNPDE20101231_060453_000000443098_00063_46198_0560.N1	31-DEC-2010 06:04:53	Straylight	44.000	30	46Eps Ori	1.6940	30000.	88	46198	No
102	GOM_TRA_1PNPDE20101231_060725_000000533098_00063_46198_0561.N1	31-DEC-2010 06:07:25	Twilight_and_stray	53.000	14	58Alp Ori	0.87000	3000.0	106	46198	No
103	GOM_TRA_1PNPDE20101231_061043_000000513098_00063_46198_0562.N1	31-DEC-2010 06:10:43	Bright	51.000	44	24Gam Gem	1.9280	11000.	102	46198	No
104	GOM_TRA_1PNPDE20101231_061220_000000493098_00063_46198_0563.N1	31-DEC-2010 06:12:20	Bright	49.000	151	13Mu Gem	2.8900	3000.0	98	46198	No
105	GOM_TRA_1PNPDE20101231_061619_000000403098_00063_46198_0564.N1	31-DEC-2010 06:16:19	Bright	39.500	107	37The Aur	2.6490	11000.	79	46198	No
106	GOM_TRA_1PNPDE20101231_061823_000000423098_00063_46198_0565.N1	31-DEC-2010 06:18:23	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	46198	No
107	GOM_TRA_1PNPDE20101231_063457_000000143098_00063_46198_0566.N1	31-DEC-2010 06:34:57	Twilight_and_stray	13.500	60	7Bet UMi	2.0810	3950.0	27	46198	No
108	GOM_TRA_1PNPDE20101231_205308_000000483098_00072_46207_0644.N1	31-DEC-2010 20:53:08	Dark	48.000	70	Zet Pup	2.2460	39000.	96	46207	No
109	GOM_TRA_1PNPDE20101231_205513_000000473098_00072_46207_0645.N1	31-DEC-2010 20:55:13	Dark	46.500	117	Pi Pup	2.7060	3800.0	93	46207	No
110	GOM_TRA_1PNPDE20101231_205800_000000493098_00072_46207_0646.N1	31-DEC-2010 20:58:00	Straylight	48.500	23	21Eps CMa	1.5020	26000.	97	46207	No
111	GOM_TRA_1PNPDE20101231_205933_000000453098_00072_46207_0647.N1	31-DEC-2010 20:59:33	Straylight	45.000	179	24Omi2CMa	3.0320	24000.	90	46207	No
112	GOM_TRA_1PNPDE20101231_210200_000000513098_00072_46207_0648.N1	31-DEC-2010 21:02:00	Straylight	51.000	1	9Alp CMa	-1.4400	11000.	102	46207	No
113	GOM_TRA_1PNPDE20101231_210430_000000433098_00072_46207_0649.N1	31-DEC-2010 21:04:30	Straylight	42.500	56	53Kap Ori	2.0650	30000.	85	46207	No
114	GOM_TRA_1PNPDE20101231_210700_000000453098_00072_46207_0650.N1	31-DEC-2010 21:07:00	Straylight	44.500	30	46Eps Ori	1.6940	30000.	89	46207	No
115	GOM_TRA_1PNPDE20101231_210930_000000563098_00072_46207_0651.N1	31-DEC-2010 21:09:30	Twilight_and_stray	56.000	14	58Alp Ori	0.87000	3000.0	112	46207	No
116	GOM_TRA_1PNPDE20101231_211246_000000613098_00072_46207_0652.N1	31-DEC-2010 21:12:46	Bright	60.500	44	24Gam Gem	1.9280	11000.	121	46207	No
117	GOM_TRA_1PNPDE20101231_211424_000000483098_00072_46207_0653.N1	31-DEC-2010 21:14:24	Bright	47.500	151	13Mu Gem	2.8900	3000.0	95	46207	No
118	GOM_TRA_1PNPDE20101231_211823_000000403098_00072_46207_0654.N1	31-DEC-2010 21:18:23	Bright	39.500	107	37The Aur	2.6490	11000.	79	46207	No
119	GOM_TRA_1PNPDE20101231_212028_000000423098_00072_46207_0655.N1	31-DEC-2010 21:20:28	Bright	41.500	6	13Alp Aur	0.080000	3400.0	83	46207	No
120	GOM_TRA_1PNPDE20101231_213702_000000353098_00072_46207_0656.N1	31-DEC-2010 21:37:02	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	46207	No
121	GOM_TRA_1PNPDE20101231_214041_000000493098_00072_46207_0657.N1	31-DEC-2010 21:40:41	Bright	48.500	32	77Eps UMa	1.7630	11000.	97	46207	No
122	GOM_TRA_1PNPDE20101231_214358_000000663098_00072_46207_0658.N1	31-DEC-2010 21:43:58	Bright	66.000	39	85Eta UMa	1.8540	24000.	132	46207	No
123	GOM_TRA_1PNPDE20101231_214801_000000623098_00072_46207_0659.N1	31-DEC-2010 21:48:01	Bright	62.000	180	27Gam Boo	3.0400	8000.0	124	46207	No
124	GOM_TRA_1PNPDE20101231_215142_000000623098_00072_46207_0660.N1	31-DEC-2010 21:51:42	Bright	62.000	83		2.3780	11000.	124	46207	No
125	GOM_TRA_1PNPDE20101231_215457_000000543098_00072_46207_0661.N1	31-DEC-2010 21:54:57	Bright	53.500	3	16Alp Boo	-0.050000	4250.0	107	46207	No
126	GOM_TRA_1PNPDE20101231_220201_000000563098_00072_46207_0662.N1	31-DEC-2010 22:02:01	Bright	56.000	104	27Bet Lib	2.6140	13100.	112	46207	No
127	GOM_TRA_1PNPDE20101231_220439_000000433098_00072_46207_0669.N1	31-DEC-2010 22:04:39	Twilight_and_stray	43.000	122	9Alp2Lib	2.7470	9700.0	86	46207	No
128	GOM_TRA_1PNPDE20101231_221131_000000543098_00072_46207_0670.N1	31-DEC-2010 22:11:31	Dark	54.000	54	5The Cen	2.0550	4500.0	108	46207	No
129	GOM_TRA_1PNPDE20101231_221416_000000413098_00072_46207_0671.N1	31-DEC-2010 22:14:16	Dark	40.500	95	Zet Cen	2.5450	26000.	81	46207	No
130	GOM_TRA_1PNPDE20101231_221745_000000433098_00073_46208_0672.N1	31-DEC-2010 22:17:45	Dark	43.000	64	Gam Cen	2.2000	10600.	86	46208	No

131	GOM_TRA_1PNPDE20101231_222353_000000503098_00073_46208_0673.N1	31-DEC-2010 22:23:53	Dark	49.500	113	Mu Vel	2.6920	5000.0	99	46208	No
132	GOM_TRA_1PNPDE20101231_222627_000000413098_00073_46208_0674.N1	31-DEC-2010 22:26:27	Dark	41.000	71	lot Car	2.2460	7700.0	82	46208	No
133	GOM_TRA_1PNPDE20101231_222821_000000443098_00073_46208_0675.N1	31-DEC-2010 22:28:21	Dark	43.500	46	Del Vel	1.9540	10600.	87	46208	No
134	GOM_TRA_1PNPDE20101231_223112_000000463098_00073_46208_0676.N1	31-DEC-2010 22:31:12	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	46208	No
135	GOM_TRA_1PNPDE20101231_223323_000000483098_00073_46208_0677.N1	31-DEC-2010 22:33:23	Dark	47.500	70	Zet Pup	2.2460	39000.	95	46208	No
136	GOM_TRA_1PNPDE20101231_223527_000000473098_00073_46208_0678.N1	31-DEC-2010 22:35:27	Dark	46.500	117	Pi Pup	2.7060	3800.0	93	46208	No
137	GOM_TRA_1PNPDE20101231_223815_000000473098_00073_46208_0679.N1	31-DEC-2010 22:38:15	Straylight	46.500	23	21Eps CMa	1.5020	26000.	93	46208	No
138	GOM_TRA_1PNPDE20101231_223947_000000423098_00073_46208_0680.N1	31-DEC-2010 22:39:47	Straylight	42.000	179	24Omi2CMa	3.0320	24000.	84	46208	No
139	GOM_TRA_1PNPDE20101231_224214_000000583098_00073_46208_0681.N1	31-DEC-2010 22:42:14	Straylight	57.500	1	9Alp CMa	-1.4400	11000.	115	46208	No
140	GOM_TRA_1PNPDE20101231_224444_000000423098_00073_46208_0682.N1	31-DEC-2010 22:44:44	Straylight	41.500	56	53Kap Ori	2.0650	30000.	83	46208	No
141	GOM_TRA_1PNPDE20101231_224714_000000433098_00073_46208_0683.N1	31-DEC-2010 22:47:14	Straylight	43.000	30	46Eps Ori	1.6940	30000.	86	46208	No
142	GOM_TRA_1PNPDE20101231_224944_000000563098_00073_46208_0684.N1	31-DEC-2010 22:49:44	Twilight_stray	55.500	14	58Alp Ori	0.87000	3000.0	111	46208	No
143	GOM_TRA_1PNPDE20101231_225259_000000573098_00073_46208_0685.N1	31-DEC-2010 22:52:59	Bright	57.000	44	24Gam Gem	1.9280	11000.	114	46208	No
144	GOM_TRA_1PNPDE20101231_225437_000000463098_00073_46208_0686.N1	31-DEC-2010 22:54:37	Bright	45.500	151	13Mu Gem	2.8900	3000.0	91	46208	No
145	GOM_TRA_1PNPDE20101231_225836_000000393098_00073_46208_0687.N1	31-DEC-2010 22:58:36	Bright	38.500	107	37The Aur	2.6490	11000.	77	46208	No
146	GOM_TRA_1PNPDE20101231_230042_000000413098_00073_46208_0688.N1	31-DEC-2010 23:00:42	Bright	40.500	6	13Alp Aur	0.080000	3400.0	81	46208	No
147	GOM_TRA_1PNPDE20101231_231716_000000373098_00073_46208_0689.N1	31-DEC-2010 23:17:16	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	46208	No
148	GOM_TRA_1PNPDE20101231_232055_000000473098_00073_46208_0690.N1	31-DEC-2010 23:20:55	Bright	47.000	32	77Eps UMa	1.7630	11000.	94	46208	No
149	GOM_TRA_1PNPDE20101231_232412_000000663098_00073_46208_0691.N1	31-DEC-2010 23:24:12	Bright	66.000	39	85Eta UMa	1.8540	24000.	132	46208	No
150	GOM_TRA_1PNPDE20101231_232815_000000413098_00073_46208_0692.N1	31-DEC-2010 23:28:15	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	46208	No
151	GOM_TRA_1PNPDE20101231_233156_000000623098_00073_46208_0693.N1	31-DEC-2010 23:31:56	Bright	62.000	83		2.3780	11000.	124	46208	No
152	GOM_TRA_1PNPDE20101231_233511_000000543098_00073_46208_0694.N1	31-DEC-2010 23:35:11	Bright	53.500	3	16Alp Boo	-0.050000	4250.0	107	46208	No
153	GOM_TRA_1PNPDE20101231_234215_000000563098_00073_46208_0695.N1	31-DEC-2010 23:42:15	Bright	56.000	104	27Bet Lib	2.6140	13100.	112	46208	No
154	GOM_TRA_1PNPDE20101231_234453_000000463098_00073_46208_0689.N1	31-DEC-2010 23:44:53	Twilight_stray	45.500	122	9Alp2Lib	2.7470	9700.0	91	46208	No
155	GOM_TRA_1PNPDE20101231_235145_000000513098_00073_46208_0690.N1	31-DEC-2010 23:51:45	Dark	50.500	54	5The Cen	2.0550	4500.0	101	46208	No
156	GOM_TRA_1PNPDE20101231_235431_000000413098_00073_46208_0691.N1	31-DEC-2010 23:54:31	Dark	41.000	95	Zet Cen	2.5450	26000.	82	46208	No
157	GOM_TRA_1PNPDE20101231_235615_000000403098_00074_46209_0692.N1	31-DEC-2010 23:56:15	Dark	39.500	77	Eps Cen	2.3030	28000.	79	46209	No
158	GOM_TRA_1PNPDE20101231_235800_000000443098_00074_46209_0693.N1	31-DEC-2010 23:58:00	Dark	44.000	64	Gam Cen	2.2000	10600.	88	46209	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).

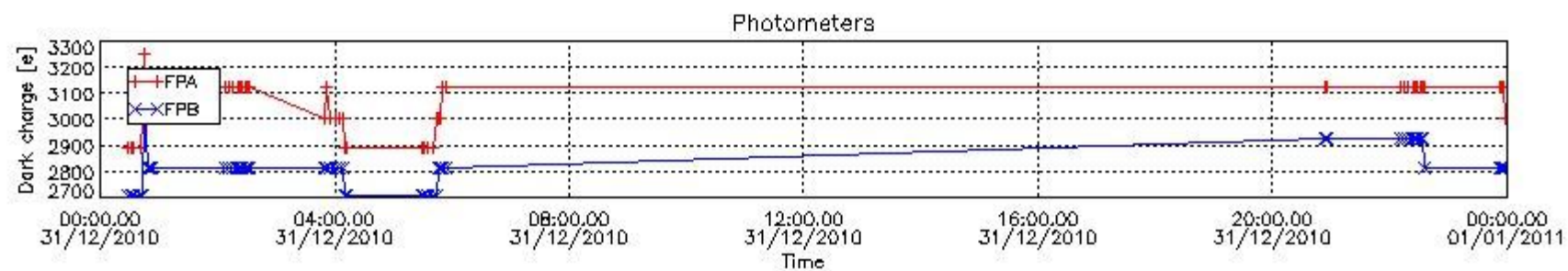
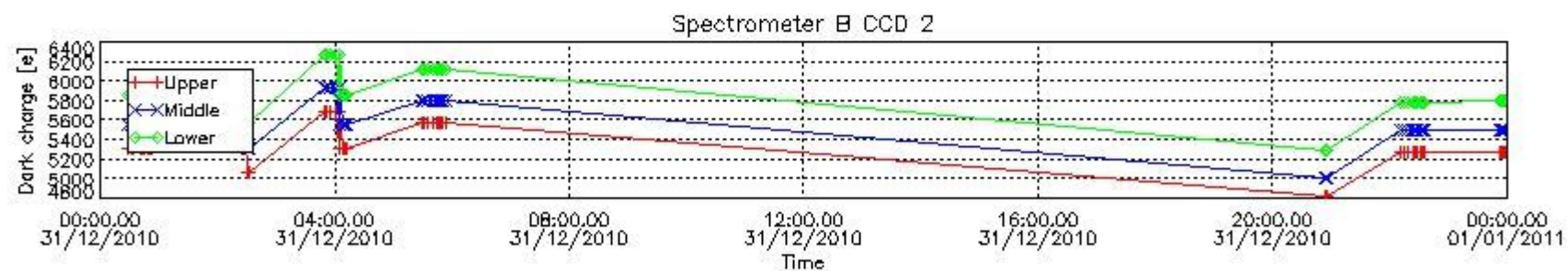
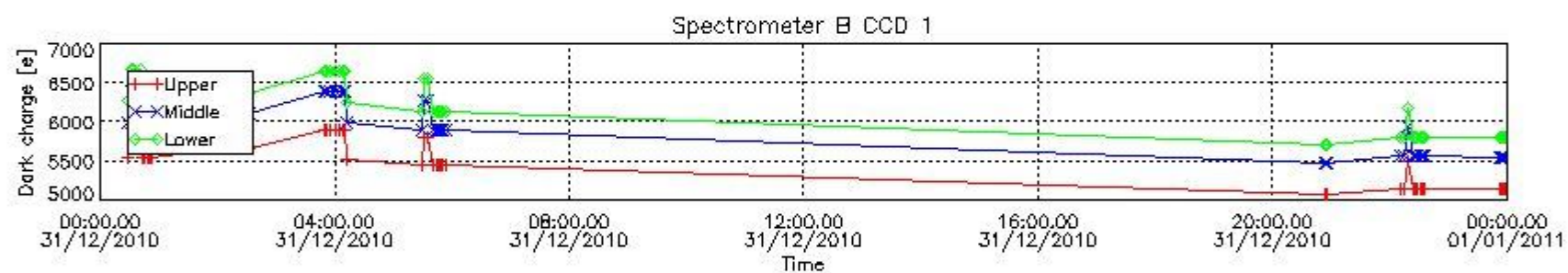
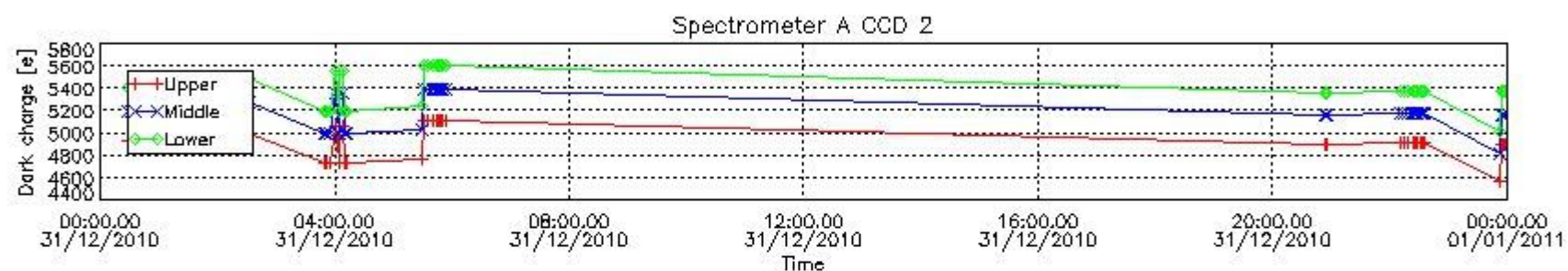
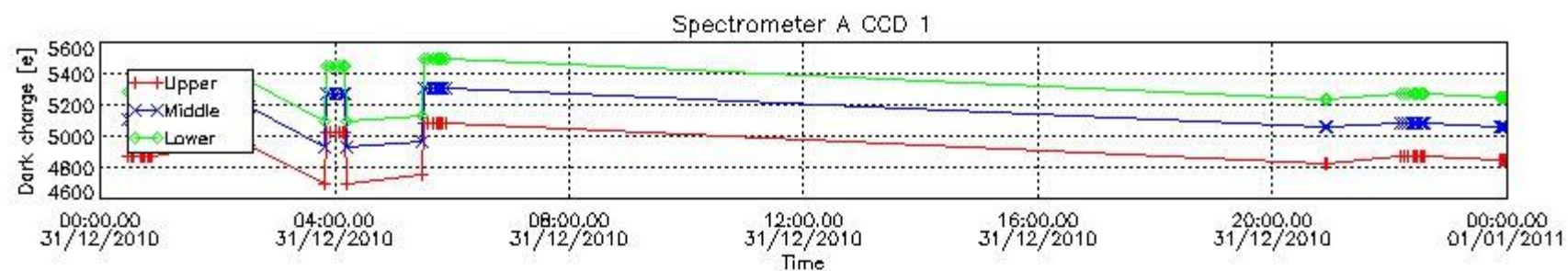
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20101231_205308_000000483098_00072_46207_0644.N1	DC map used
GOM_TRA_1PNPDE20101231_205513_000000473098_00072_46207_0645.N1	DC map used
GOM_TRA_1PNPDE20101231_205800_000000493098_00072_46207_0646.N1	DC map used
GOM_TRA_1PNPDE20101231_205933_000000453098_00072_46207_0647.N1	DC map used
GOM_TRA_1PNPDE20101231_210200_000000513098_00072_46207_0648.N1	DC map used
GOM_TRA_1PNPDE20101231_210430_000000433098_00072_46207_0649.N1	DC map used
GOM_TRA_1PNPDE20101231_210700_000000453098_00072_46207_0650.N1	DC map used
GOM_TRA_1PNPDE20101231_210930_000000563098_00072_46207_0651.N1	DC map used
GOM_TRA_1PNPDE20101231_211246_000000613098_00072_46207_0652.N1	DC map used
GOM_TRA_1PNPDE20101231_211424_000000483098_00072_46207_0653.N1	DC map used
GOM_TRA_1PNPDE20101231_211823_000000403098_00072_46207_0654.N1	DC map used
GOM_TRA_1PNPDE20101231_212028_000000423098_00072_46207_0655.N1	DC map used
GOM_TRA_1PNPDE20101231_213702_000000353098_00072_46207_0656.N1	DC map used
GOM_TRA_1PNPDE20101231_214041_000000493098_00072_46207_0657.N1	DC map used

GOM_TRA_1PNPDE20101231_214358_000000663098_00072_46207_0658.N1	DC map used
GOM_TRA_1PNPDE20101231_214801_000000623098_00072_46207_0659.N1	DC map used
GOM_TRA_1PNPDE20101231_215142_000000623098_00072_46207_0660.N1	DC map used
GOM_TRA_1PNPDE20101231_215457_000000543098_00072_46207_0661.N1	DC map used
GOM_TRA_1PNPDE20101231_220201_000000563098_00072_46207_0662.N1	DC map used

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

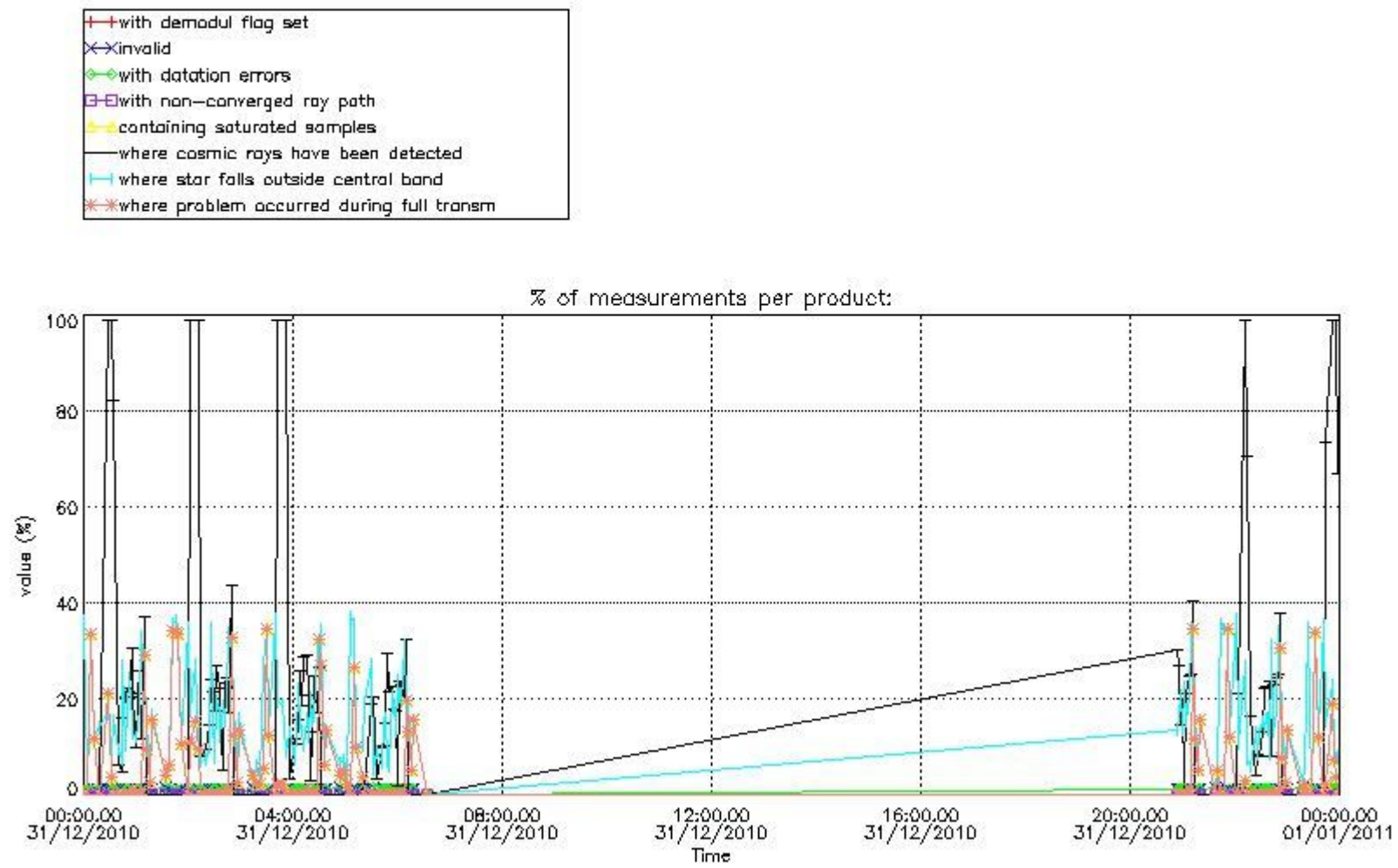


In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

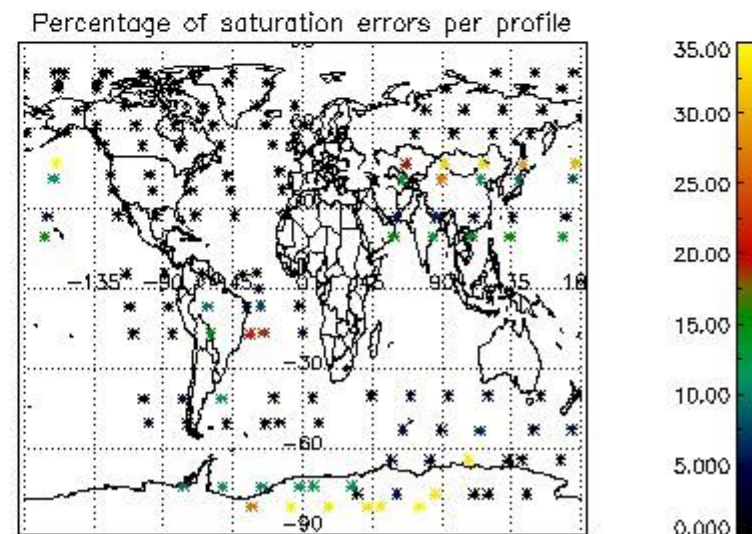
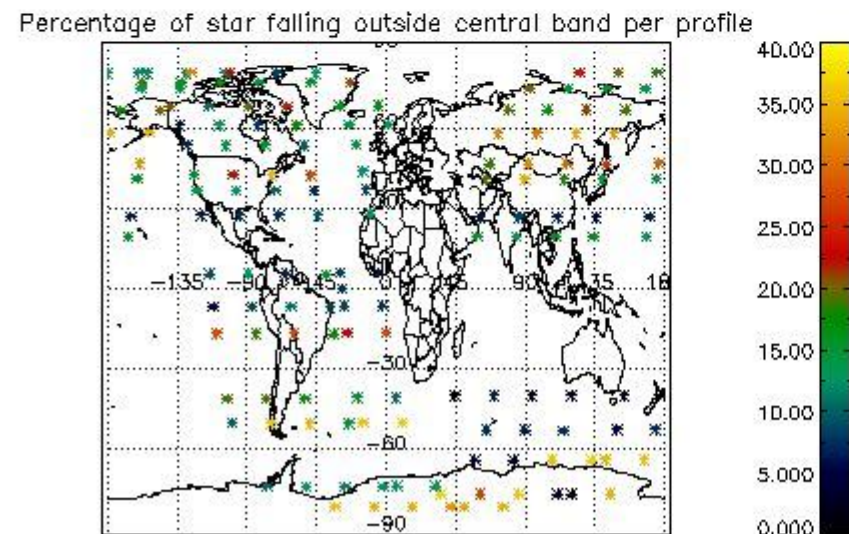
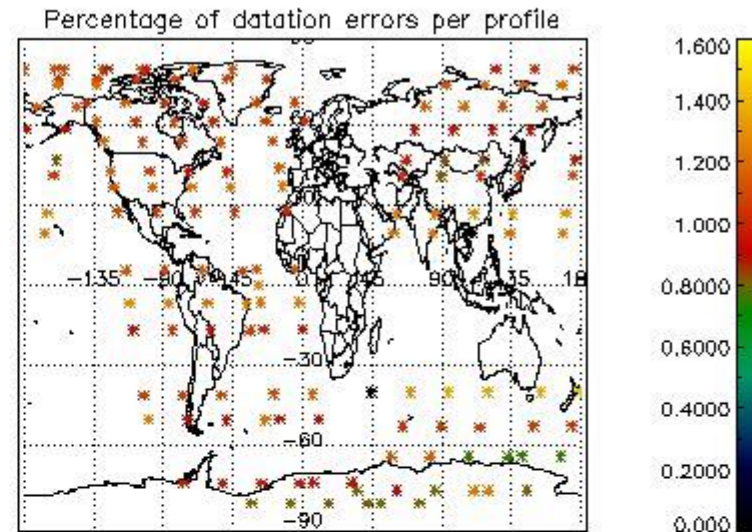
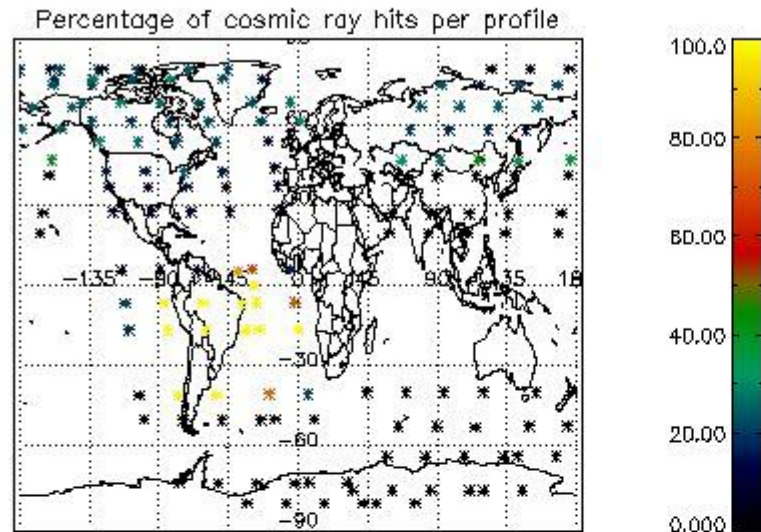
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	55.4140 %
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)



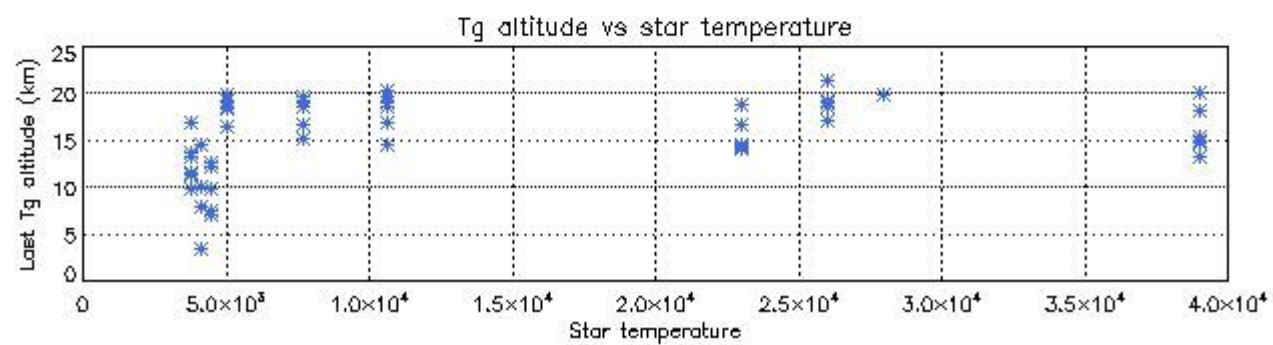
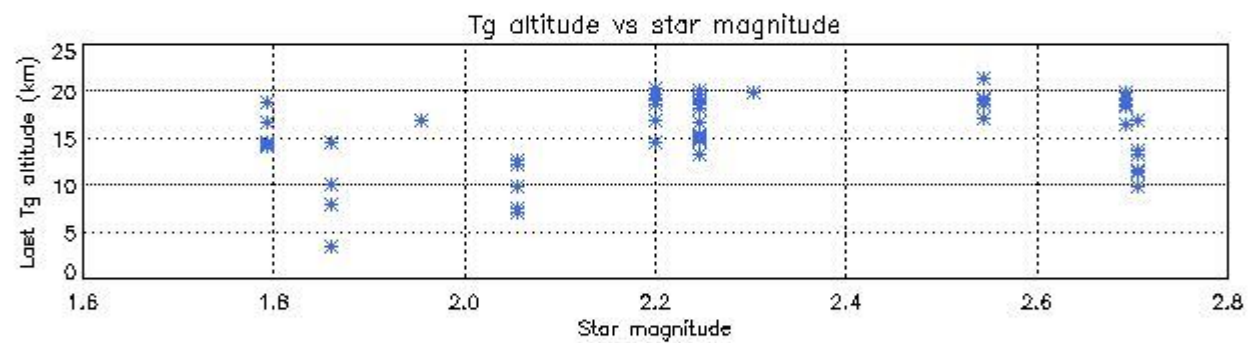
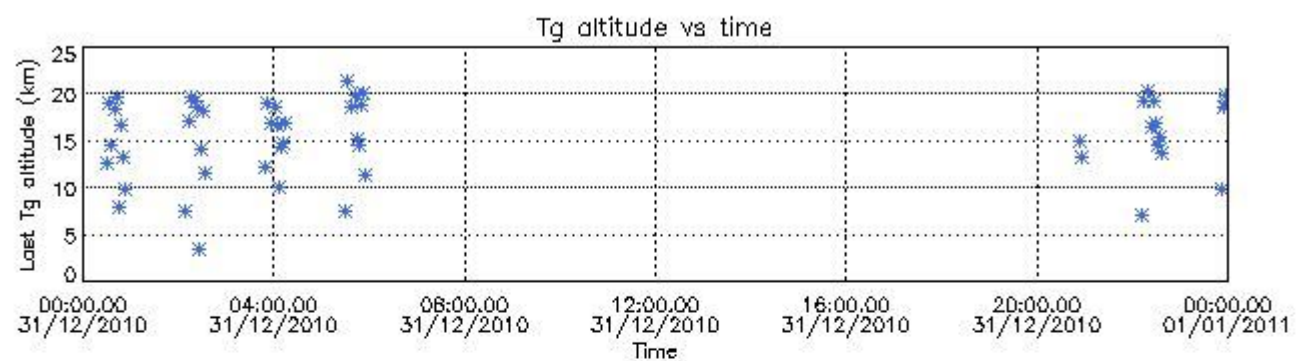
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.411	13.161	NaN
St. deviation:	4.1890	7.3231	NaN
Maximum:	21.356	26.891	NaN
Minimum:	3.4062	3.5396	NaN
Number of data:	51.000	64.000	NaN

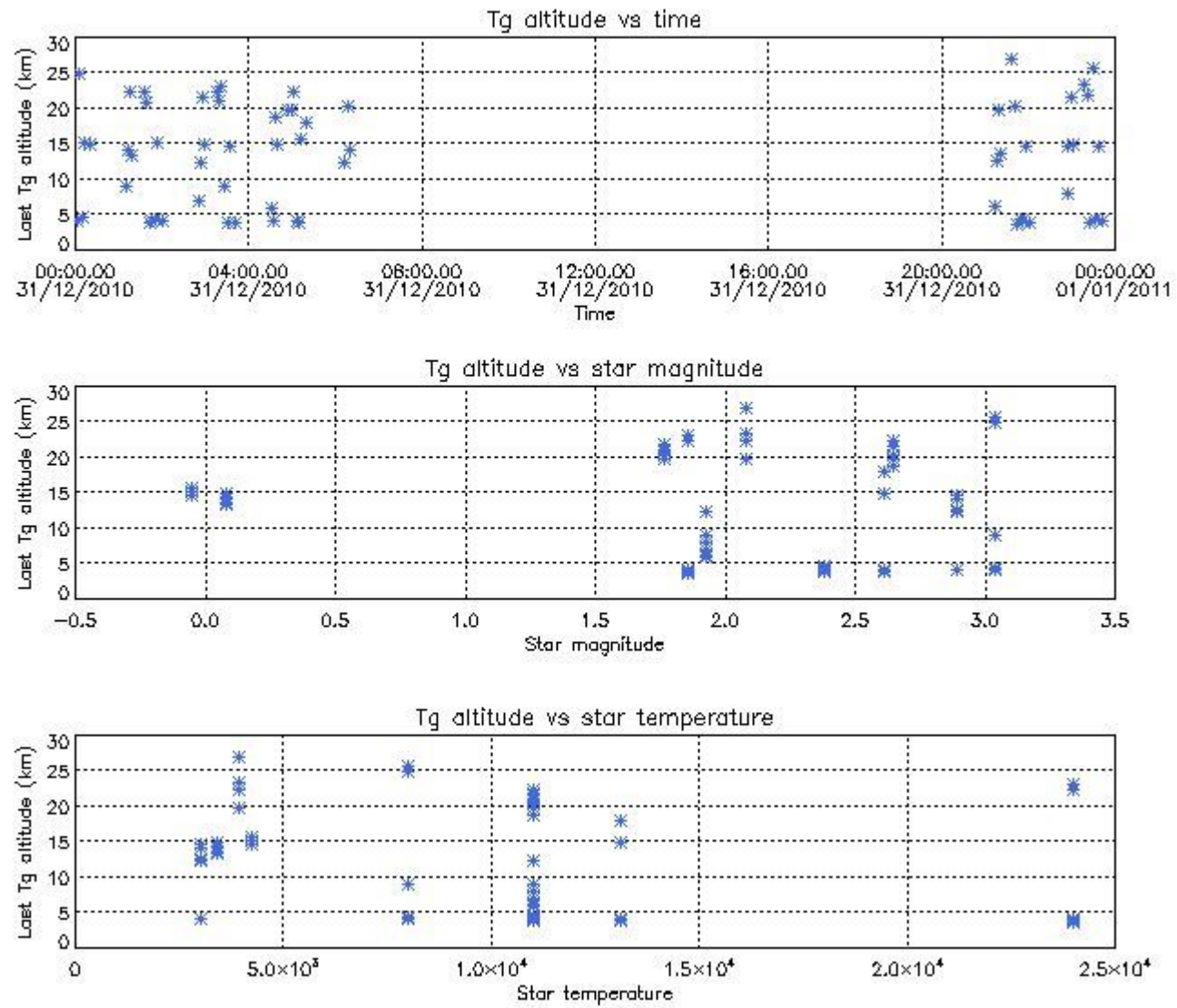
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

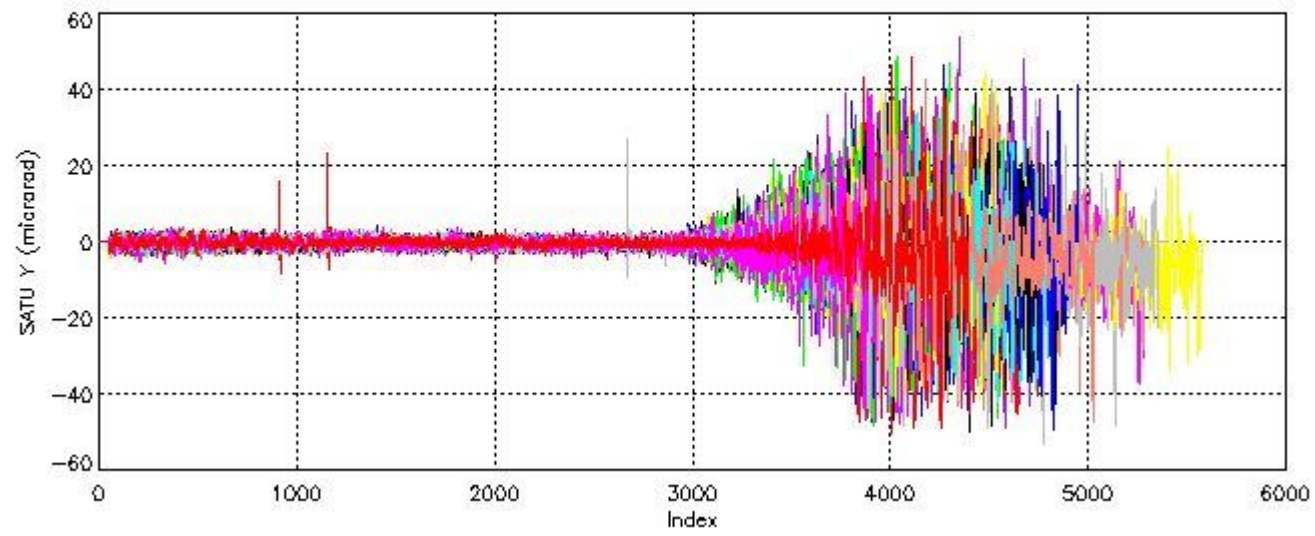
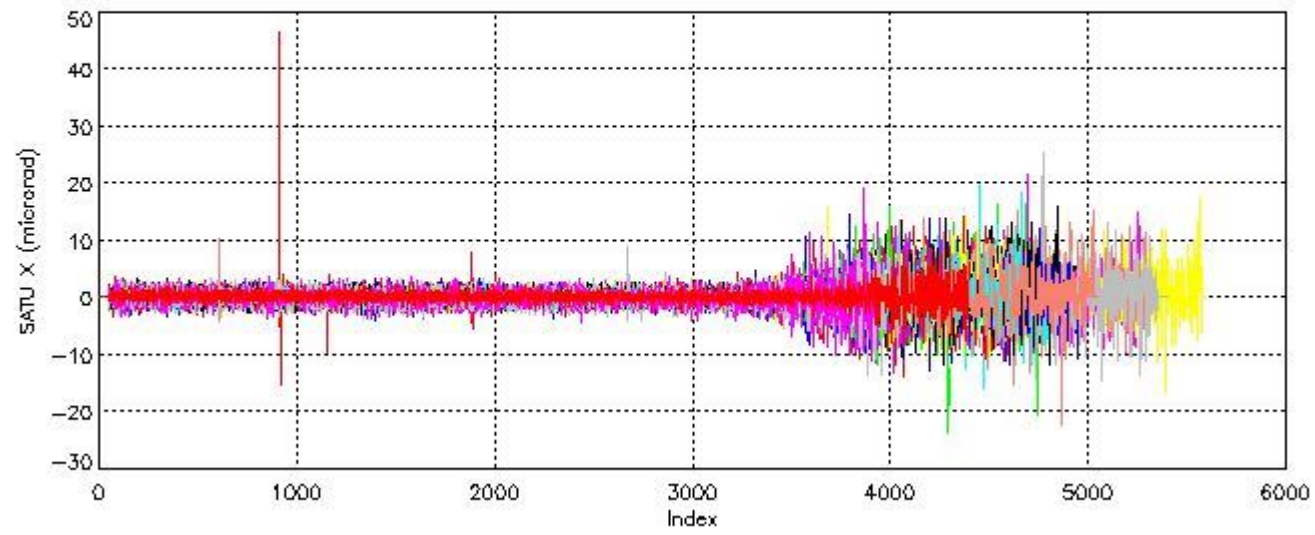


7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.



7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.20562	-0.34315	0.17507	-0.29483
St. deviation:	0.60350	0.88776	0.67996	0.95191
Maximum:	46.500	15.800	5.9000	7.2000
Minimum:	-15.300	-8.3000	-6.9000	-8.0000

Number of data:	52450.	52450.	63950.	63950.
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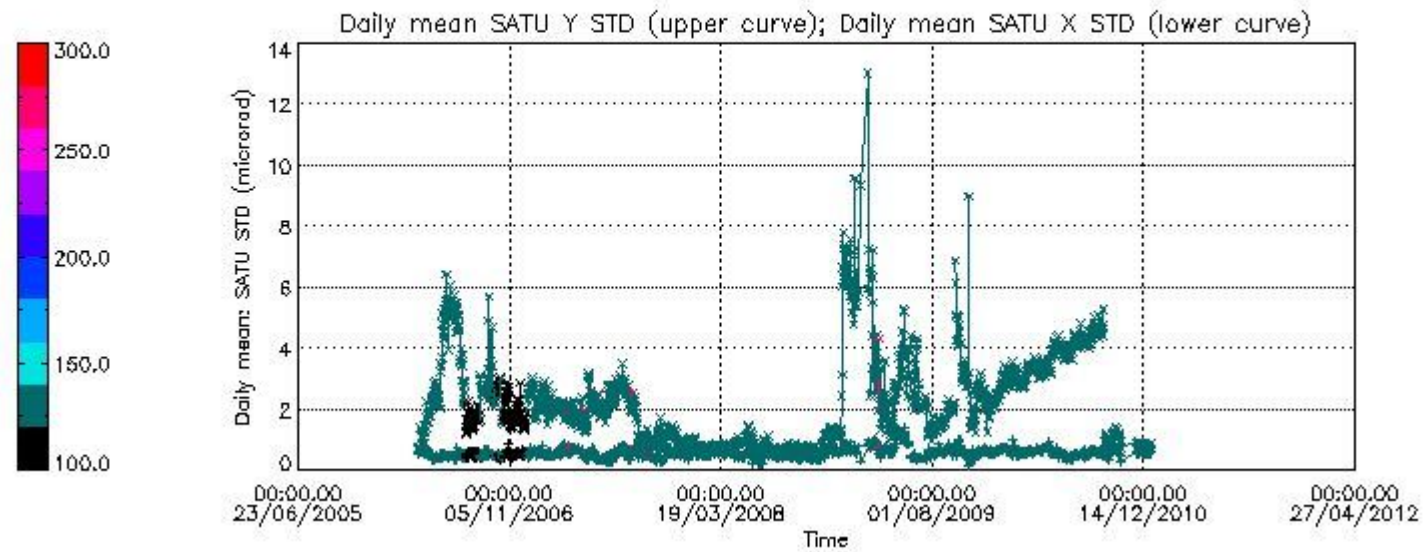
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

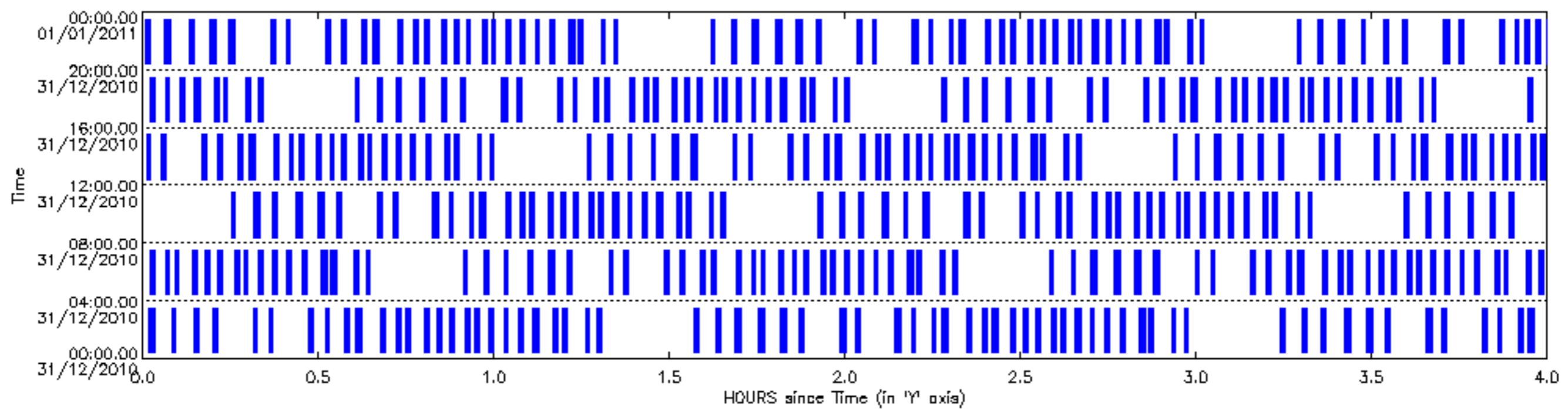
Lower curve: STD of SATU X axis

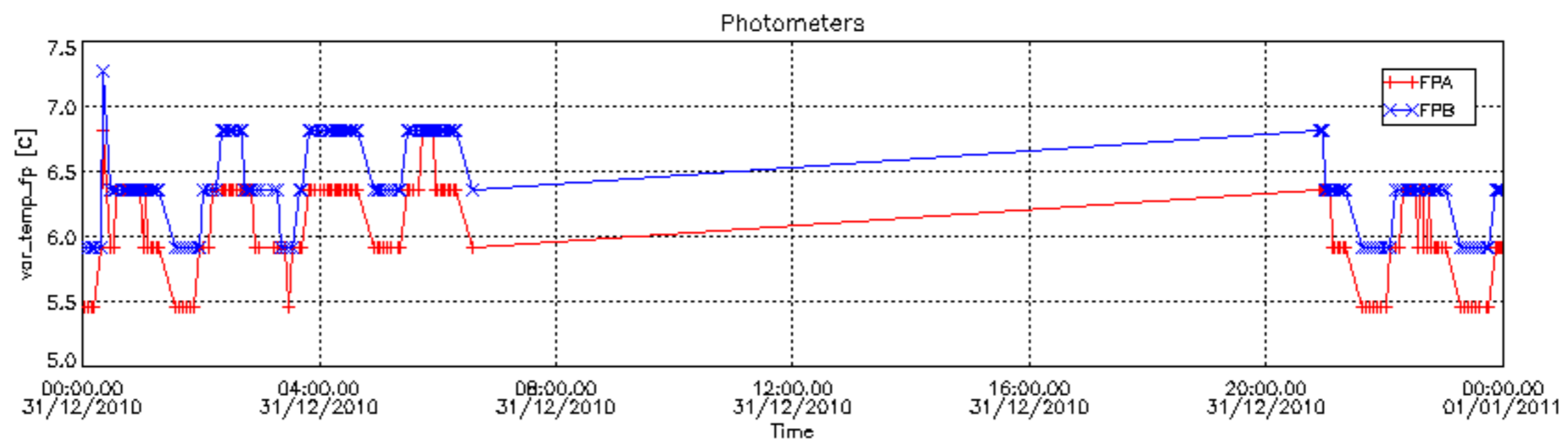
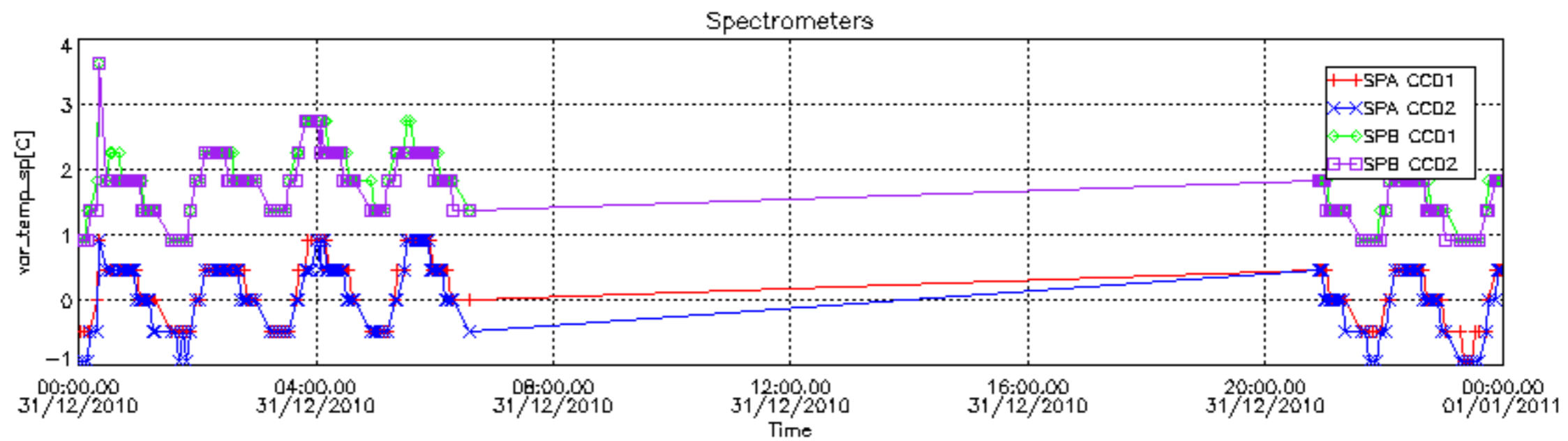


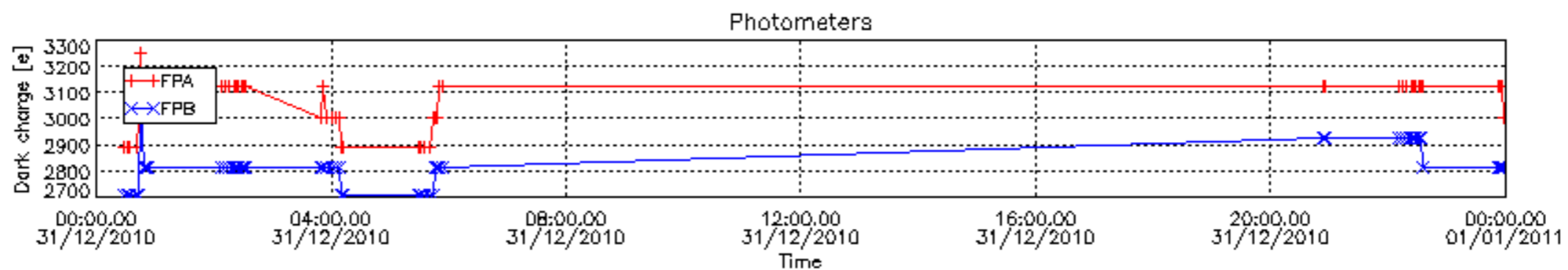
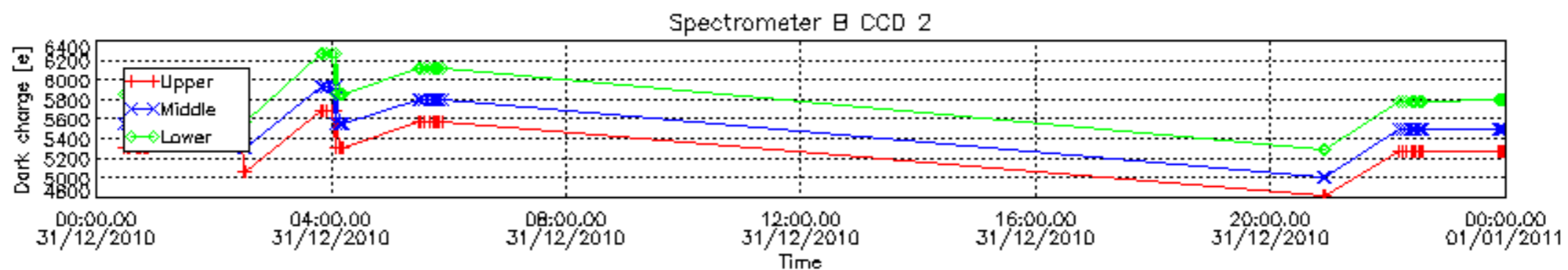
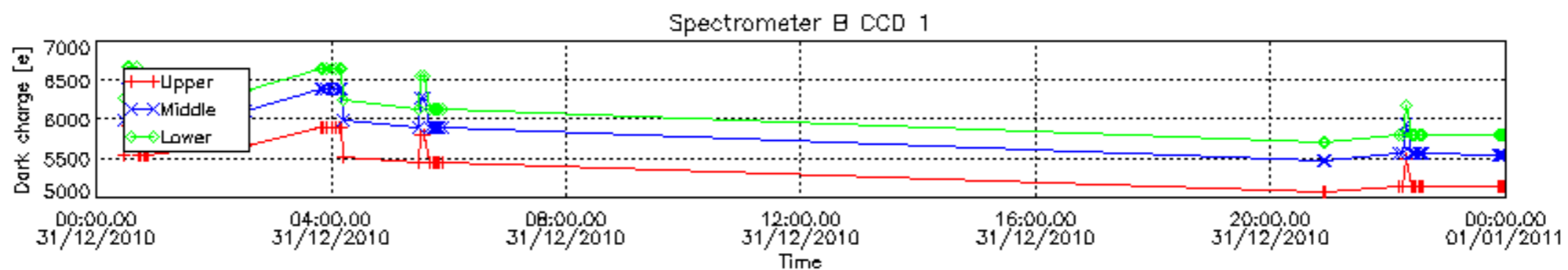
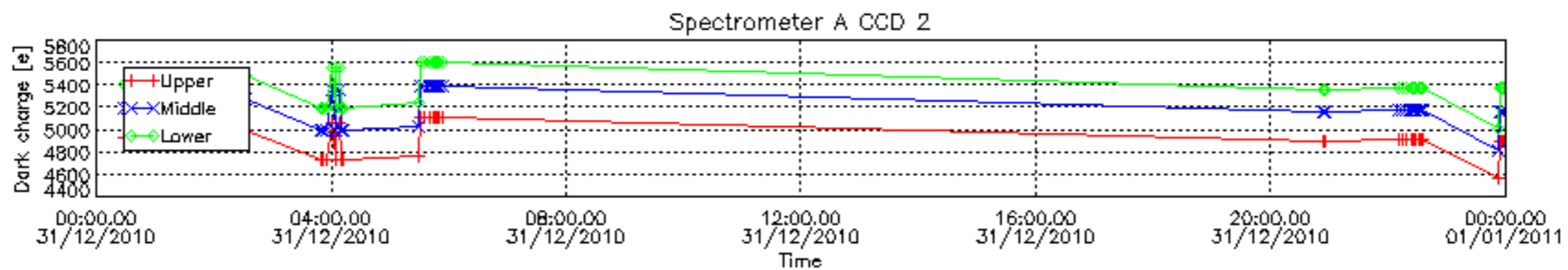
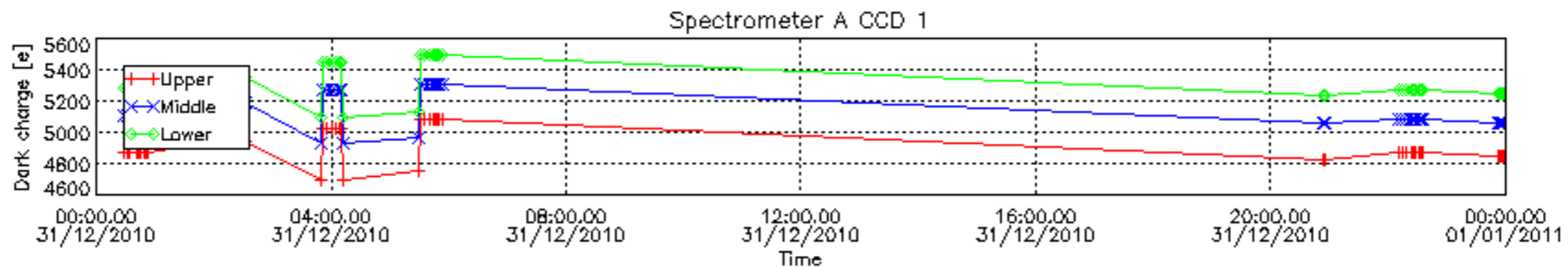
8. Auxiliary Data Files used for the production reported in section 2.4

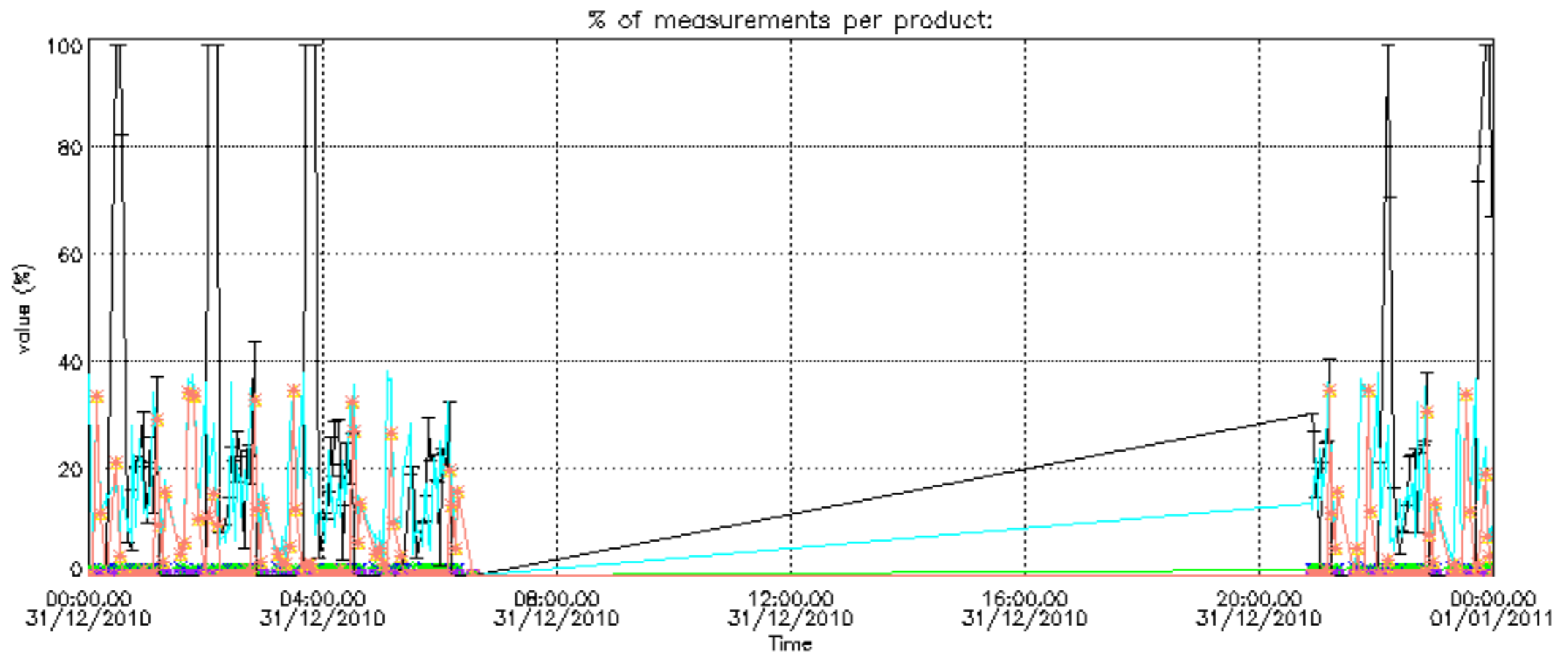
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
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CALIBRATION_DATABASE	GOM_CAL_AXVIEC20101227_083101_20101226_000000_20500101_000000	1	31-DEC-2010 00:00:58
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	31-DEC-2010 00:00:58
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	31-DEC-2010 00:00:58
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	31-DEC-2010 00:00:58
ECMWF_FILE	AUX_ECF_AXNECM20101230_054115_20101230_210000_20101231_090000	1	31-DEC-2010 00:00:58
ECMWF_FILE	AUX_ECF_AXNECM20101230_172115_20101231_030000_20101231_150000	53	31-DEC-2010 03:14:29
ECMWF_FILE	AUX_ECA_AXNECM20101231_052114_20101230_210000_20101231_090000	80	31-DEC-2010 04:54:43
ECMWF_FILE	AUX_ECF_AXNECM20101231_054113_20101231_150000_20110101_030000	108	31-DEC-2010 20:53:08
ECMWF_FILE	AUX_ECF_AXNECM20101231_054114_20101231_210000_20110101_090000	127	31-DEC-2010 22:04:39
OPTIONAL_ECMWF_FILE	MISSING	1	31-DEC-2010 00:00:58
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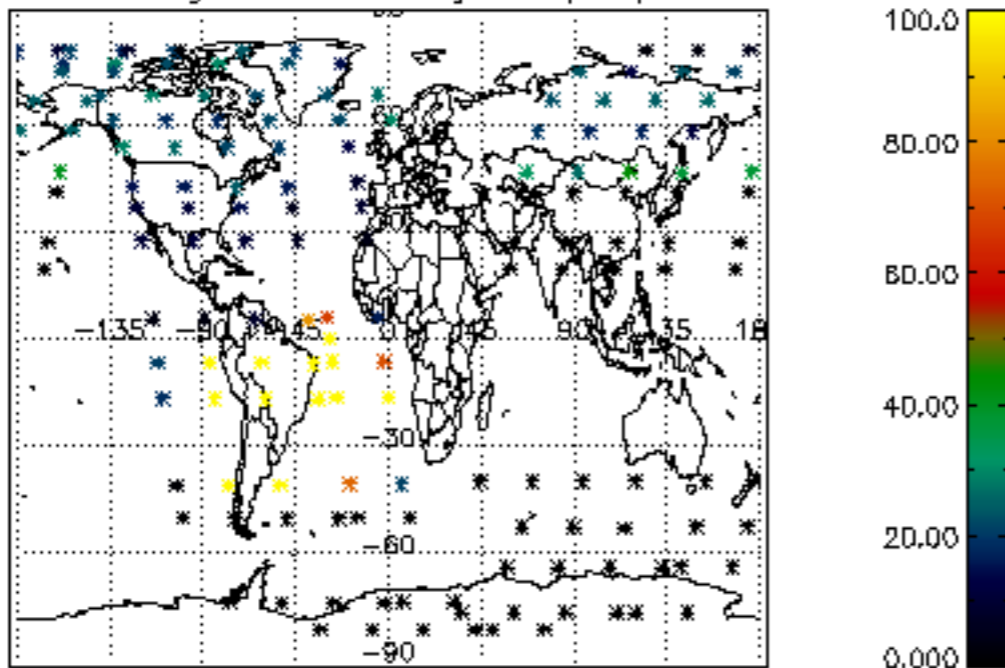




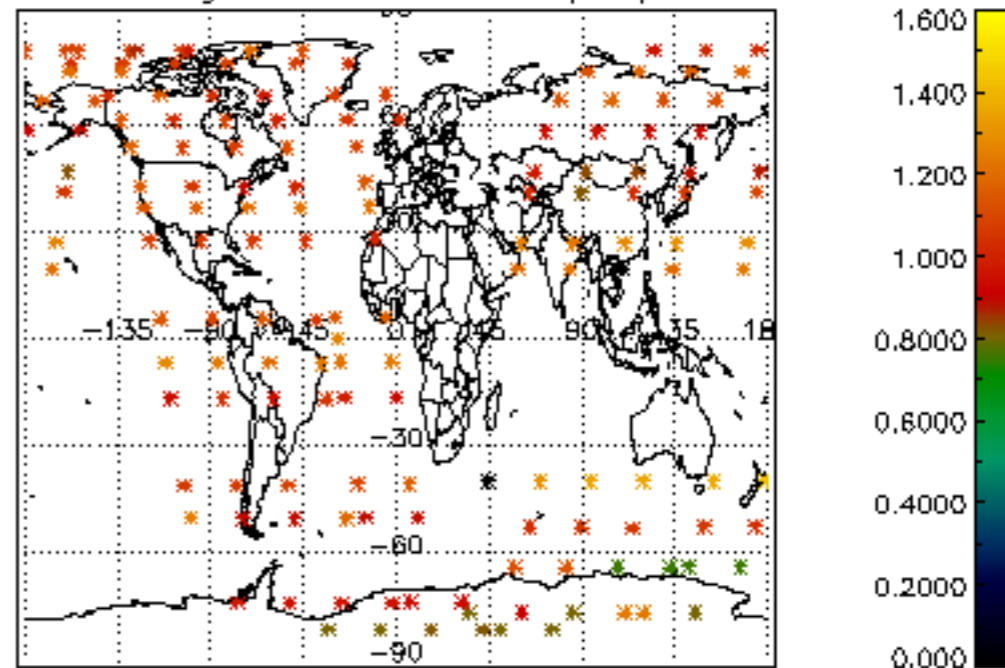




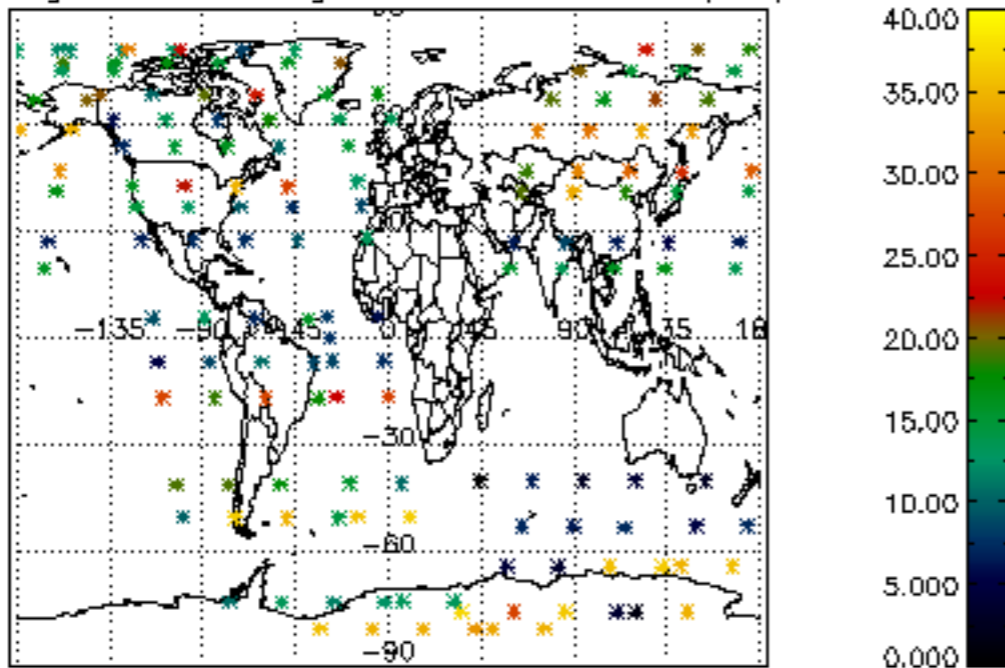
Percentage of cosmic ray hits per profile



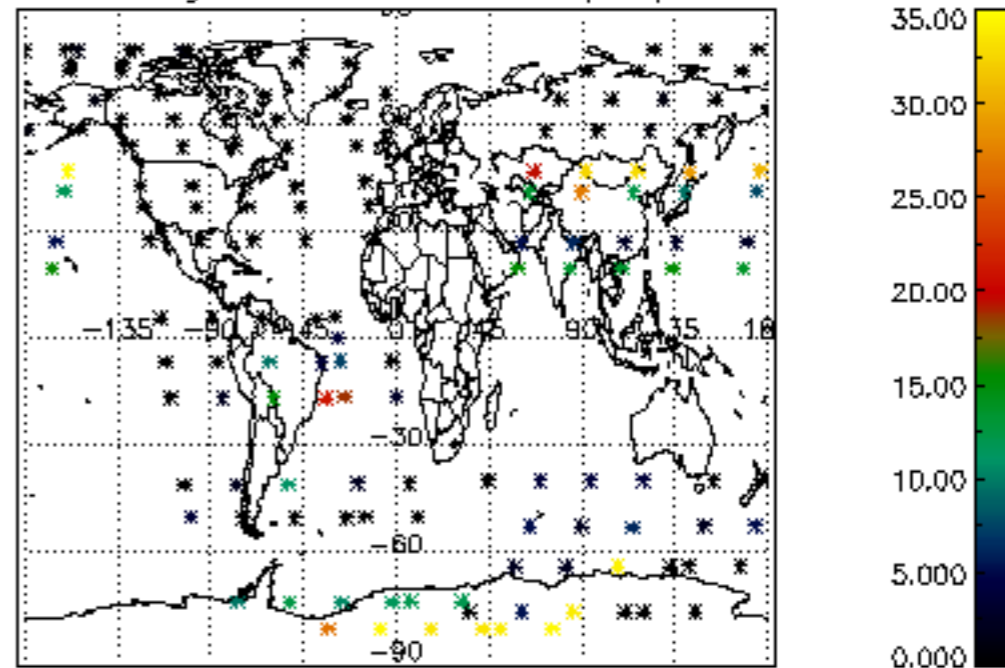
Percentage of datation errors per profile



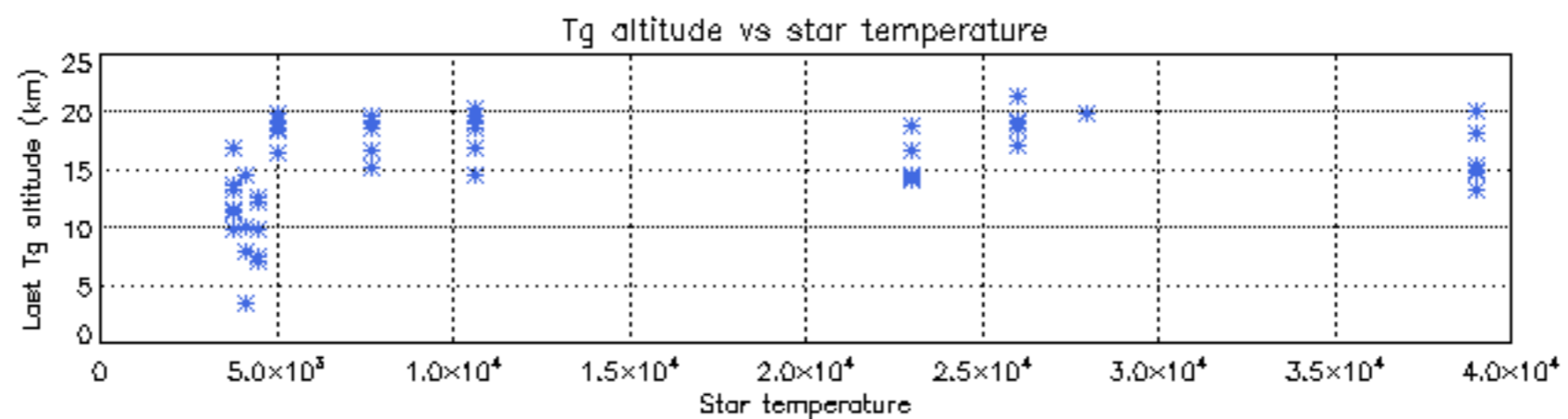
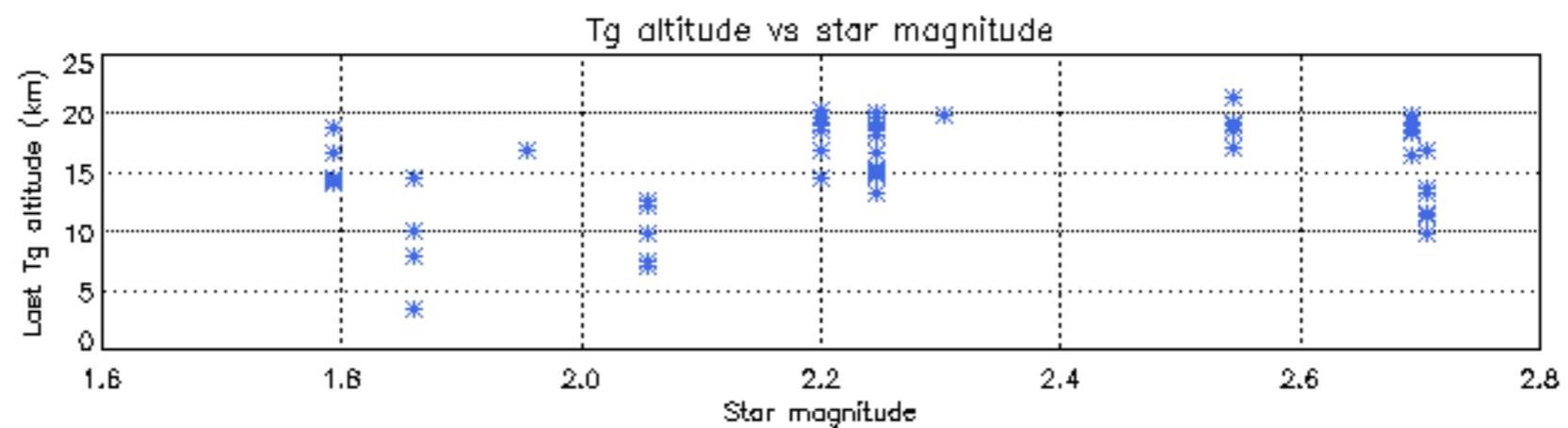
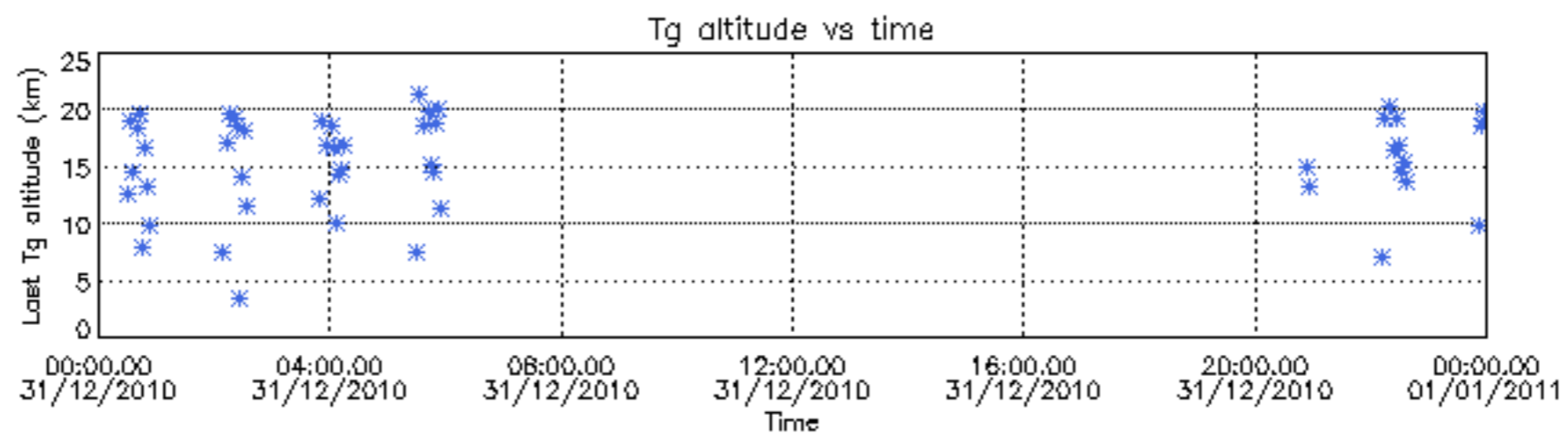
Percentage of star falling outside central band per profile



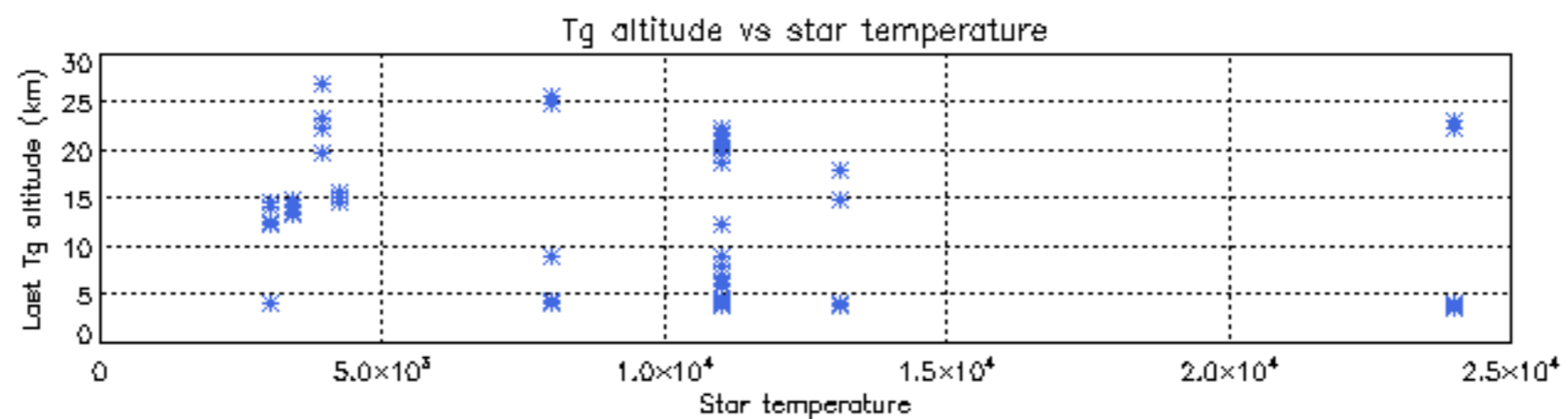
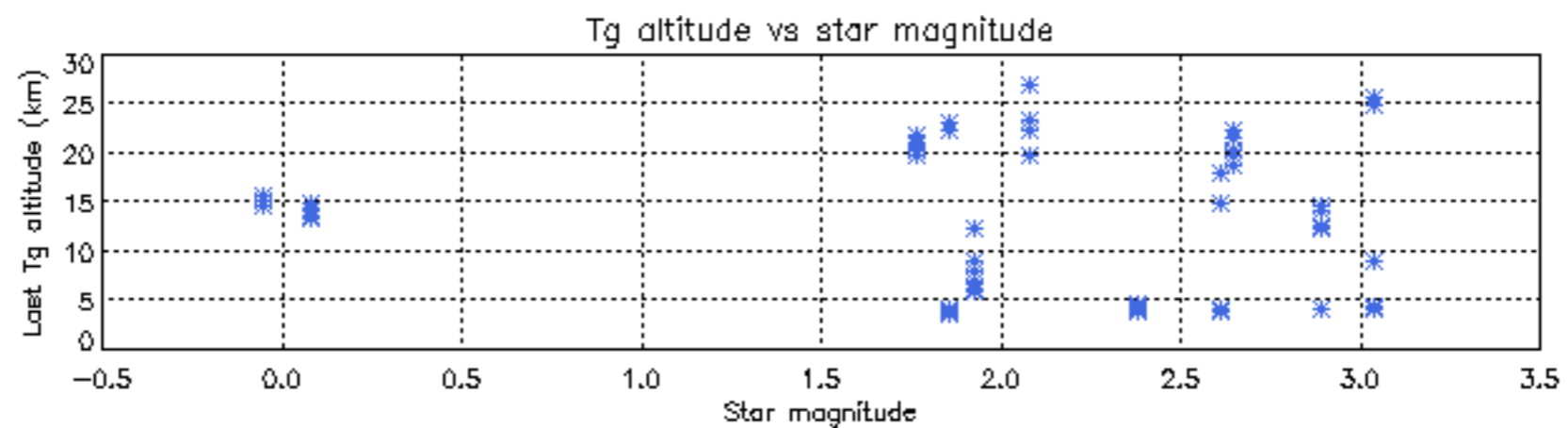
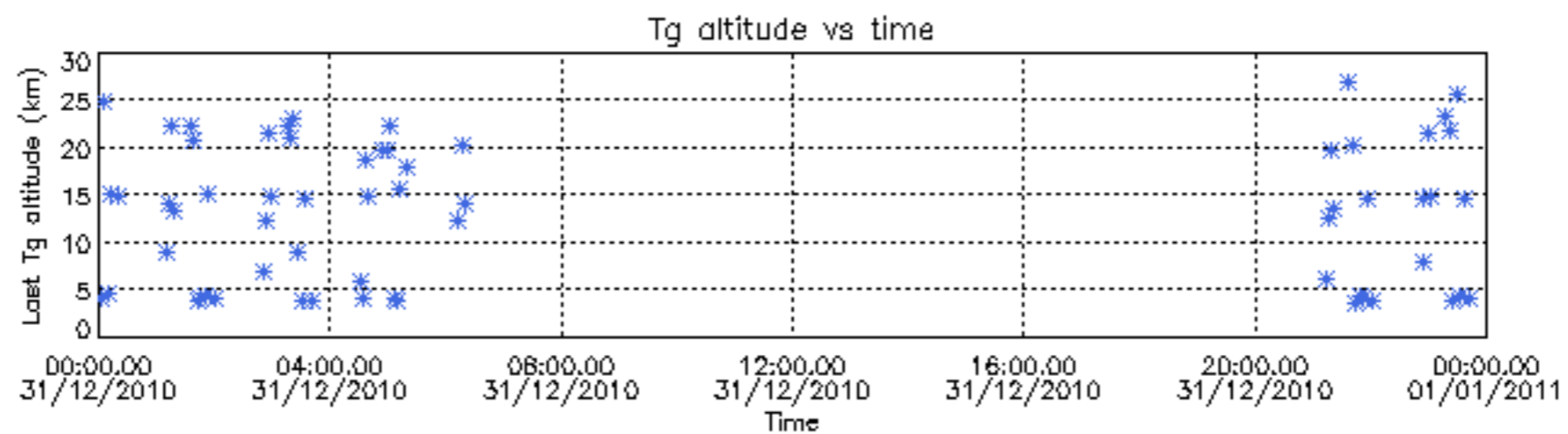
Percentage of saturation errors per profile

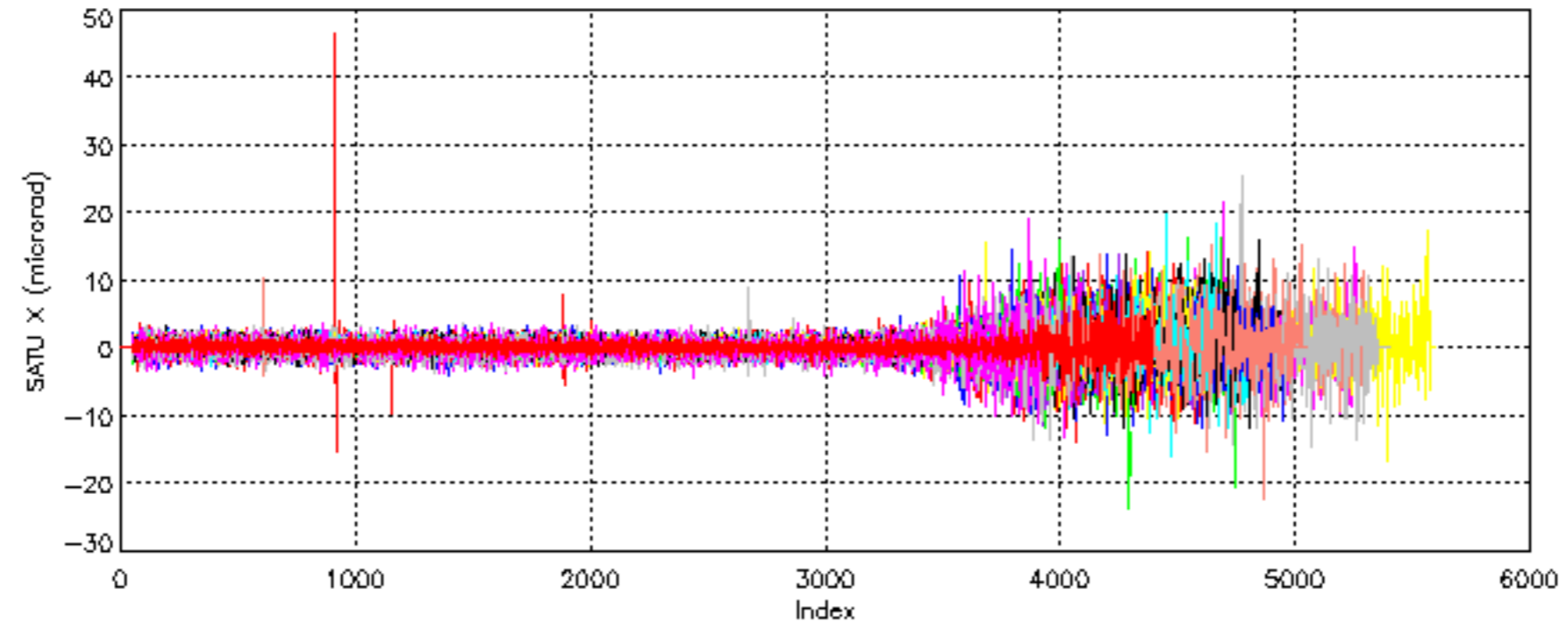


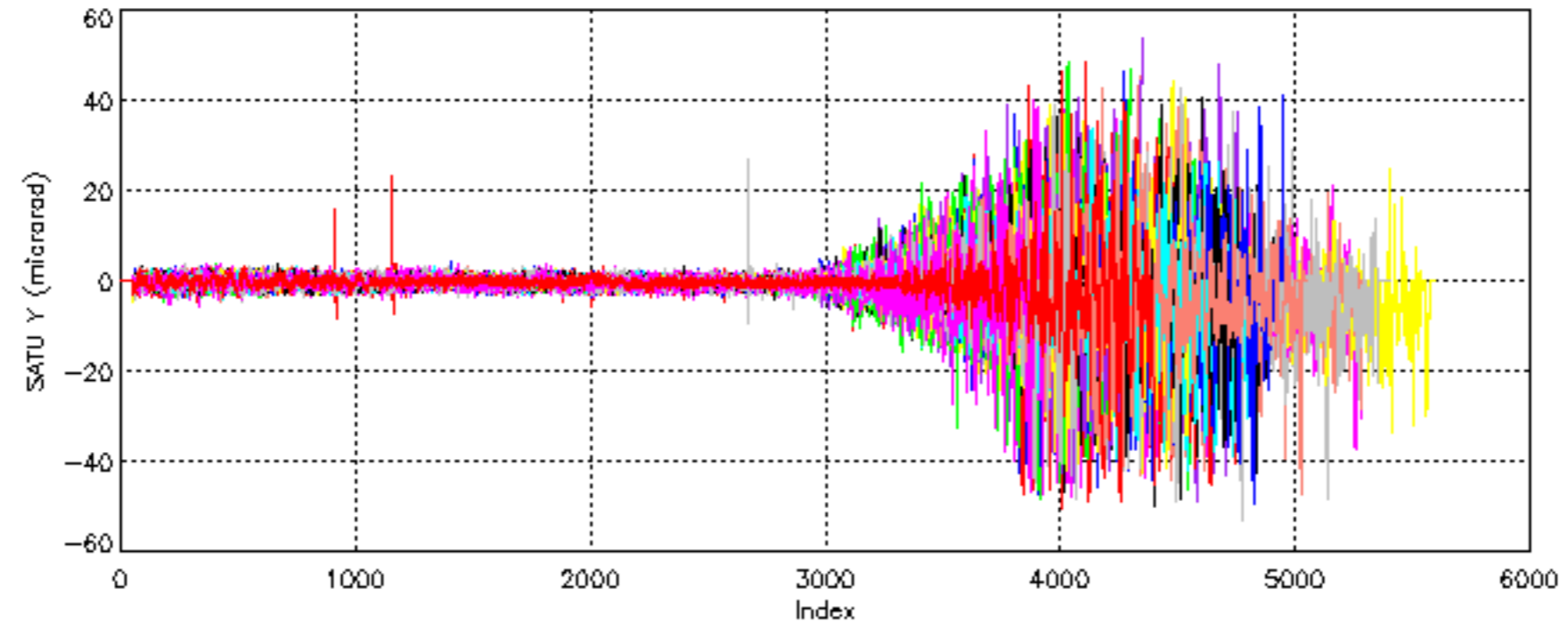
Tangent altitude at which the star is lost

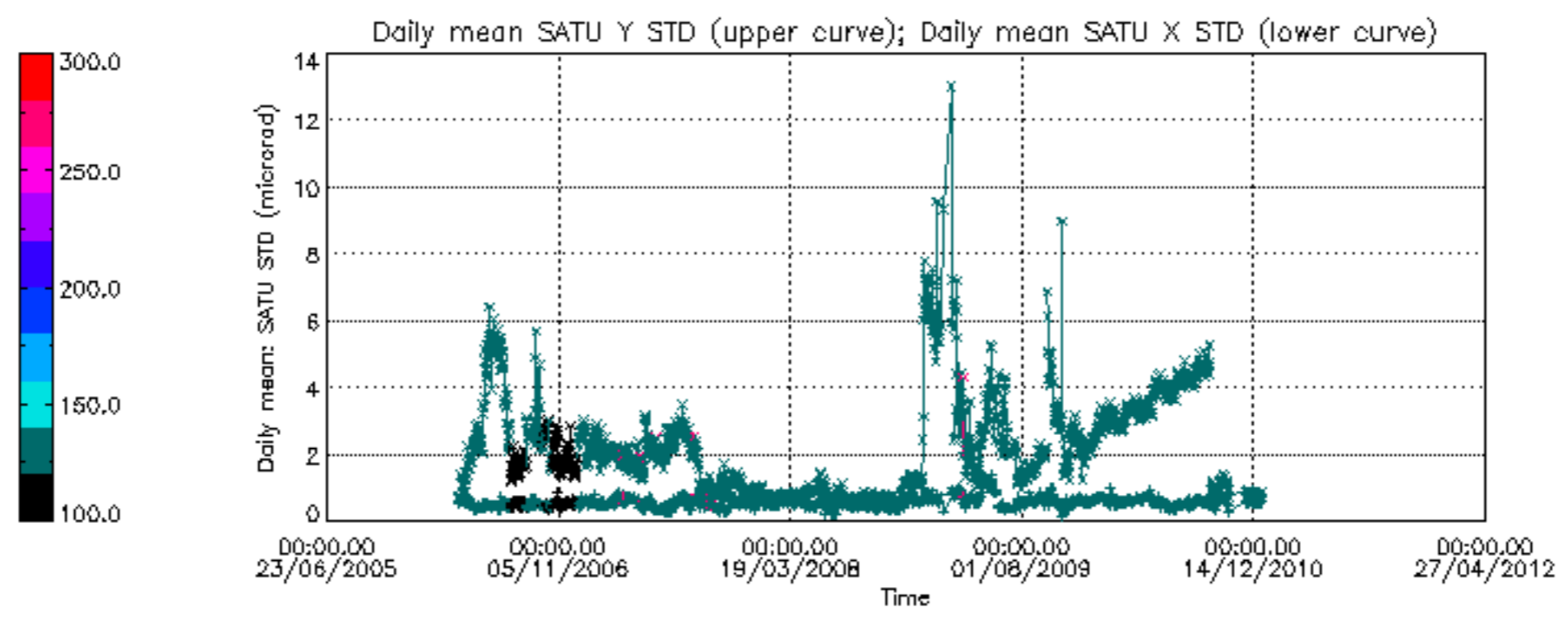


Tangent altitude at which the star is lost









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 6; 908.6; 01-DEC-2010 02:27:39; Dark ; 64.0; 117; Pi Pup ; 2.71; 3800;occ; 128; 0;45765
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 23; 6172.2; 07-DEC-2010 15:17:08; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45859
 24; 6497.4; 07-DEC-2010 15:22:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45859
 25; 6690.5; 07-DEC-2010 15:25:46; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45859
 26; 6858.9; 07-DEC-2010 15:28:34; Dark ; 55.0; 2; Alp Car ; -0.74; 7000;occ; 110; 0;45859
 27; 6995.8; 07-DEC-2010 15:30:51; Dark ; 61.5; 117; Pi Pup ; 2.71; 3800;occ; 123; 0;45859
 28; 7232.1; 07-DEC-2010 15:34:48; Dark ; 46.5; 108; Alp Col ; 2.65; 15200;occ; 93; 0;45859

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1;	1537.2;	07-DEC-2010	15:40:07;	Dark	;	49.0;	101;	11Alp	Lep	;	2.58;	7000;	occ;	98;	0;	45859
2;	1735.8;	07-DEC-2010	15:43:25;	Dark	;	53.5;	7;	19Bet	Ori	;	0.10;	14000;	occ;	107;	0;	45859
3;	1891.2;	07-DEC-2010	15:46:01;	Dark	;	55.5;	30;	46Eps	Ori	;	1.69;	30000;	occ;	111;	0;	45859
4;	2042.4;	07-DEC-2010	15:48:32;	Dark	;	55.5;	27;	24Gam	Ori	;	1.64;	26000;	occ;	111;	0;	45859
5;	2192.9;	07-DEC-2010	15:51:02;	Dark	;	58.0;	13;	87Alp	Tau	;	0.87;	3800;	occ;	116;	0;	45859
6;	2305.6;	07-DEC-2010	15:52:55;	Bright;		37.5;	146;	25Eta	Tau	;	2.87;	15200;	occ;	75;	0;	45859
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
9;	2708.8;	07-DEC-2010	15:59:38;	Bright;		36.5;	175;	39Del	Per	;	3.01;	19400;	occ;	73;	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;	12Alp2	CVn	;	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
18;	5158.1;	07-DEC-2010	16:40:28;	Dark	;	53.0;	121;	29Gam	Vir	;	2.74;	7200;	occ;	106;	0;	45859
19;	5433.5;	07-DEC-2010	16:45:03;	Dark	;	43.0;	169;	46Gam	Hya	;	2.99;	4700;	occ;	86;	0;	45859
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21;	5615.4;	07-DEC-2010	16:48:05;	Dark	;	52.5;	171;	2Eps	Crv	;	3.00;	4250;	occ;	105;	0;	45859
22;	5970.1;	07-DEC-2010	16:54:00;	Dark	;	41.0;	99;	Del	Cen	;	2.58;	26000;	occ;	82;	0;	45859
23;	6173.1;	07-DEC-2010	16:57:23;	Dark	;	44.5;	113;	Mu	Vel	;	2.69;	5000;	occ;	89;	0;	45860
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;	Gam2	Vel	;	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
27;	6996.5;	07-DEC-2010	17:11:06;	Dark	;	56.0;	117;	Pi	Pup	;	2.71;	3800;	occ;	112;	0;	45860

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2;	1218.4;	07-DEC-2010	17:15:02;	Dark	;	45.0;	108;	Alp	Col	;	2.65;	15200;	occ;	90;	0;	45860
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
5;	1891.1;	07-DEC-2010	17:26:15;	Dark	;	55.5;	30;	46Eps	Ori	;	1.69;	30000;	occ;	111;	0;	45860
6;	2042.2;	07-DEC-2010	17:28:46;	Dark	;	55.0;	27;	24Gam	Ori	;	1.64;	26000;	occ;	110;	0;	45860
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8;	2305.4;	07-DEC-2010	17:33:09;	Bright;		38.0;	146;	25Eta	Tau	;	2.87;	15200;	occ;	76;	0;	45860
9;	2440.9;	07-DEC-2010	17:35:24;	Bright;		37.5;	150;	44Zet	Per	;	2.89;	28000;	occ;	75;	0;	45860
10;	2520.9;	07-DEC-2010	17:36:44;	Bright;		43.0;	114;	3Iot	Aur	;	2.69;	4600;	occ;	86;	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
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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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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;	Gam2	Vel	;	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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4;	1735.8;	07-DEC-2010	19:03:54;	Dark	;	54.0;	7;	19Bet	Ori	;	0.10;	14000;	occ;	108;	0;	45861
5;	1890.7;	07-DEC-2010	19:06:28;	Dark	;	52.0;	30;	46Eps	Ori	;	1.69;	30000;	occ;	104;	0;	45861
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7;	2192.4;	07-DEC-2010	19:11:30;	Dark	;	58.0;	13;	87Alp	Tau	;	0.87;	3800;	occ;	116;	0;	45861
8;	2305.4;	07-DEC-2010	19:13:23;	Bright;		37.5;	146;	25Eta	Tau	;	2.87;	15200;	occ;	75;	0;	45861
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13; 3764.1; 07-DEC-2010 19:37:42; Bright; 47.5; 36; 50Alp UMa ; 1.80; 6300;occ; 95; 0;45861
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15; 3983.3; 07-DEC-2010 19:41:21; Bright; 42.5; 32; 77Eps UMa ; 1.76; 11000;occ; 85; 0;45861
16; 4120.3; 07-DEC-2010 19:43:38; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;45861
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22; 5521.0; 07-DEC-2010 20:06:59; Dark ; 50.0; 100; 4Gam Crv ; 2.58; 13100;occ; 100; 0;45861
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27; 6692.8; 07-DEC-2010 20:26:31; Dark ; 54.0; 34; Gam2Vel ; 1.79; 23000;occ; 108; 0;45862
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4; -1893.8; 09-DEC-2010 06:48:33; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;45882
5; -1682.7; 09-DEC-2010 06:52:04; Bright; 43.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 87; 0;45882
6; -1334.1; 09-DEC-2010 06:57:52; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;45882
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9; -567.3; 09-DEC-2010 07:10:39; Dark ; 44.0; 169; 46Gam Hya ; 2.99; 4700;occ; 88; 0;45882
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11; -374.8; 09-DEC-2010 07:13:51; Dark ; 56.5; 171; 2Eps Crv ; 3.00; 4250;occ; 113; 0;45882
12; -30.0; 09-DEC-2010 07:19:36; Dark ; 39.5; 99; Del Cen ; 2.58; 26000;occ; 79; 0;45882
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 13; 1523.2; 15-DEC-2010 00:44:39; Dark ; 54.0; 47; 2Bet CMA ; 1.98; 28000;occ; 108; 0;45965
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17; 2060.7; 16-DEC-2010 00:16:53; Dark ; 67.0; 14; 58Alp Ori ; 0.87; 3000;occ; 134; 0;45979
18; 2176.9; 16-DEC-2010 00:18:50; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;45979
19; 2310.4; 16-DEC-2010 00:21:03; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;45979
20; 2433.3; 16-DEC-2010 00:23:06; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;45979
21; 2648.6; 16-DEC-2010 00:26:41; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;45979
22; 2778.4; 16-DEC-2010 00:28:51; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;45979
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24; 3939.8; 16-DEC-2010 00:48:12; Bright; 30.0; 87; 64Gam UMa ; 2.43; 11000;occ; 60; 0;45979
25; 4001.4; 16-DEC-2010 00:49:14; Bright; 59.0; 55; 79Zet UMa ; 2.06; 10200;occ; 118; 0;45979

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 27; 4316.8; 16-DEC-2010 00:54:29; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;45979
 28; 4508.9; 16-DEC-2010 00:57:42; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;45979
 29; 4707.3; 16-DEC-2010 01:01:00; Bright; 60.0; 111; 8Eta Boo ; 2.68; 6000;occ; 120; 0;45979
 30; 4943.7; 16-DEC-2010 01:04:56; Bright; 53.5; 138; 47Eps Vir ; 2.83; 4700;occ; 107; 0;45979
 31; 5301.6; 16-DEC-2010 01:10:54; Dark ; 30.0; 15; 67Alp Vir ; 0.98; 28000;occ; 60; 0;45979

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 14; 253.3; 15-DEC-2010 07:04:26; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;45969
 15; 483.2; 15-DEC-2010 07:08:16; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;45969
 16; 569.4; 15-DEC-2010 07:09:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45969
 17; 760.6; 15-DEC-2010 07:12:53; Dark ; 50.0; 34; Gam2Vel ; 1.79; 23000;occ; 100; 0;45969
 18; 892.0; 15-DEC-2010 07:15:04; Dark ; 45.0; 2; Alp Car ; -0.74; 7000;occ; 90; 0;45969
 19; 1052.2; 15-DEC-2010 07:17:45; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;45969
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 7; 2437.3; 15-DEC-2010 07:40:50; Bright; 44.0; 28; 12Bet Tau ; 1.65; 15200;occ; 88; 0;45969
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 12; 4117.2; 15-DEC-2010 08:08:50; Bright; 40.5; 39; 85Eta UMa ; 1.85; 24000;occ; 81; 0;45969
 13; 4316.0; 15-DEC-2010 08:12:09; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;45969
 14; 4507.4; 15-DEC-2010 08:15:20; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;45969
 15; 4704.3; 15-DEC-2010 08:18:37; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;45969
 16; 4937.4; 15-DEC-2010 08:22:30; Bright; 73.0; 138; 47Eps Vir ; 2.83; 4700;occ; 146; 0;45969
 17; 5294.5; 15-DEC-2010 08:28:27; Dark ; 46.0; 15; 67Alp Vir ; 0.98; 28000;occ; 92; 0;45969
 18; 5503.8; 15-DEC-2010 08:31:56; Dark ; 46.5; 169; 46Gam Hya ; 2.99; 4700;occ; 93; 0;45969
 19; 5649.1; 15-DEC-2010 08:34:22; Dark ; 53.0; 106; 9Bet Crv ; 2.65; 5600;occ; 106; 0;45969
 20; 5741.7; 15-DEC-2010 08:35:54; Dark ; 58.0; 171; 2Eps Crv ; 3.00; 4250;occ; 116; 0;45969
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 23; 6268.5; 15-DEC-2010 08:44:41; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45970
 24; 6498.0; 15-DEC-2010 08:48:30; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;45970
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 26; 6775.4; 15-DEC-2010 08:53:08; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;45970
 27; 6906.4; 15-DEC-2010 08:55:19; Dark ; 47.0; 2; Alp Car ; -0.74; 7000;occ; 94; 0;45970
 28; 7066.8; 15-DEC-2010 08:57:59; Dark ; 55.0; 117; Pi Pup ; 2.71; 3800;occ; 110; 0;45970
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 3; 2063.7; 15-DEC-2010 09:14:50; Dark ; 65.0; 14; 58Alp Ori ; 0.87; 3000;occ; 130; 0;45970
 4; 2177.9; 15-DEC-2010 09:16:44; Dark ; 47.0; 13; 87Alp Tau ; 0.87; 3800;occ; 94; 0;45970
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 6; 2436.9; 15-DEC-2010 09:21:03; Bright; 45.0; 28; 12Bet Tau ; 1.65; 15200;occ; 90; 0;45970
 7; 2654.4; 15-DEC-2010 09:24:41; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;45970
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11; 4117.2; 15-DEC-2010 09:49:04; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;45970
12; 4316.2; 15-DEC-2010 09:52:23; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;45970
13; 4507.5; 15-DEC-2010 09:55:34; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;45970
14; 4704.7; 15-DEC-2010 09:58:51; Bright; 60.0; 111; 8Eta Boo ; 2.68; 6000;occ; 120; 0;45970
15; 4938.0; 15-DEC-2010 10:02:45; Bright; 74.0; 138; 47Eps Vir ; 2.83; 4700;occ; 148; 0;45970
16; 5295.2; 15-DEC-2010 10:08:42; Dark ; 44.0; 15; 67Alp Vir ; 0.98; 28000;occ; 88; 0;45970
17; 5504.5; 15-DEC-2010 10:12:11; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;45970
18; 5650.3; 15-DEC-2010 10:14:37; Dark ; 55.0; 106; 9Bet Crv ; 2.65; 5600;occ; 110; 0;45970
19; 5742.9; 15-DEC-2010 10:16:09; Dark ; 58.5; 171; 2Eps Crv ; 3.00; 4250;occ; 117; 0;45970
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21; 6269.2; 15-DEC-2010 10:24:56; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;45971
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23; 6584.8; 15-DEC-2010 10:30:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45971
24; 6776.1; 15-DEC-2010 10:33:23; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;45971
25; 6906.6; 15-DEC-2010 10:35:33; Dark ; 56.0; 2; Alp Car ; -0.74; 7000;occ; 112; 0;45971
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27; 7262.9; 15-DEC-2010 10:41:29; Dark ; 55.0; 23; 21Eps CMa ; 1.50; 26000;occ; 110; 0;45971
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 3; 1873.2; 15-DEC-2010 10:51:54; Dark ; 49.0; 30; 46Eps Ori ; 1.69; 30000;occ; 98; 0;45971
 4; 2063.4; 15-DEC-2010 10:55:04; Dark ; 68.0; 14; 58Alp Ori ; 0.87; 3000;occ; 136; 0;45971
 5; 2177.7; 15-DEC-2010 10:56:58; Dark ; 52.0; 13; 87Alp Tau ; 0.87; 3800;occ; 104; 0;45971
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11; 3943.0; 15-DEC-2010 11:26:23; Bright; 47.0; 87; 64Gam UMa ; 2.43; 11000;occ; 94; 0;45971
12; 4117.1; 15-DEC-2010 11:29:18; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 0;45971
13; 4316.3; 15-DEC-2010 11:32:37; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;45971
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16; 4938.7; 15-DEC-2010 11:42:59; Bright; 74.0; 138; 47Eps Vir ; 2.83; 4700;occ; 148; 0;45971
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19; 5651.3; 15-DEC-2010 11:54:52; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;45971
20; 5744.2; 15-DEC-2010 11:56:25; Dark ; 57.0; 171; 2Eps Crv ; 3.00; 4250;occ; 114; 0;45971
21; 6042.1; 15-DEC-2010 12:01:23; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;45972
22; 6270.1; 15-DEC-2010 12:05:11; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45972
23; 6499.1; 15-DEC-2010 12:09:00; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;45972
24; 6585.6; 15-DEC-2010 12:10:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45972
25; 6776.8; 15-DEC-2010 12:13:37; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;45972
26; 6907.1; 15-DEC-2010 12:15:48; Dark ; 50.0; 2; Alp Car ; -0.74; 7000;occ; 100; 0;45972
27; 7067.9; 15-DEC-2010 12:18:28; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;45972
28; 7263.4; 15-DEC-2010 12:21:44; Dark ; 55.5; 23; 21Eps CMa ; 1.50; 26000;occ; 111; 0;45972
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 4; 2063.1; 15-DEC-2010 12:35:17; Dark ; 57.5; 14; 58Alp Ori ; 0.87; 3000;occ; 115; 0;45972
 5; 2177.7; 15-DEC-2010 12:37:12; Dark ; 50.0; 13; 87Alp Tau ; 0.87; 3800;occ; 100; 0;45972
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15; 4705.3; 15-DEC-2010 13:19:20; Bright; 60.0; 111; 8Eta Boo ; 2.68; 6000;occ; 120; 0;45972
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17; 5296.6; 15-DEC-2010 13:29:11; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;45972

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22; 6042.7; 15-DEC-2010 13:41:37; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;45973
23; 6271.0; 15-DEC-2010 13:45:25; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45973
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25; 6586.4; 15-DEC-2010 13:50:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45973
26; 6777.6; 15-DEC-2010 13:53:52; Dark ; 54.5; 34; Gam2Vel ; 1.79; 23000;occ; 109; 0;45973
27; 6907.5; 15-DEC-2010 13:56:02; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;45973
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29; 7263.9; 15-DEC-2010 14:01:58; Dark ; 57.5; 23; 21Eps CMA ; 1.50; 26000;occ; 115; 0;45973
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 23; 3685.5; 17-DEC-2010 00:07:14; Bright; 33.0; 60; 7Bet UMi ; 2.08; 3950;occ; 66; 0;45993
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 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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 17; 5514.8; 16-DEC-2010 09:35:38; Dark ; 49.0; 169; 46Gam Hya ; 2.99; 4700;occ; 98; 0;45984
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 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; 2773.4; 16-DEC-2010 15:30:52; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;45988
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13; 4317.9; 16-DEC-2010 15:56:37; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;45988
14; 4510.7; 16-DEC-2010 15:59:50; Bright; 35.0; 83; ; 2.38; 11000;occ; 70; 0;45988
15; 4710.3; 16-DEC-2010 16:03:09; Bright; 61.0; 111; 8Eta Boo ; 2.68; 6000;occ; 122; 0;45988
16; 4950.1; 16-DEC-2010 16:07:09; Bright; 33.0; 138; 47Eps Vir ; 2.83; 4700;occ; 66; 0;45988
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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19; 5669.8; 16-DEC-2010 16:19:09; Dark ; 53.5; 106; 9Bet Crv ; 2.65; 5600;occ; 107; 0;45988
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22; 6053.9; 16-DEC-2010 16:25:33; Dark ; 42.5; 99; Del Cen ; 2.58; 26000;occ; 85; 0;45989
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
25; 6598.5; 16-DEC-2010 16:34:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45989
26; 6789.0; 16-DEC-2010 16:37:48; Dark ; 52.0; 34; Gam2Vel ; 1.79; 23000;occ; 104; 0;45989
27; 6916.1; 16-DEC-2010 16:39:55; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;45989
28; 7077.6; 16-DEC-2010 16:42:36; Dark ; 61.5; 117; Pi Pup ; 2.71; 3800;occ; 123; 0;45989
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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3; 1526.8; 16-DEC-2010 16:50:20; Dark ; 52.5; 47; 2Bet CMa ; 1.98; 28000;occ; 105; 0;45989
4; 1738.4; 16-DEC-2010 16:53:51; Dark ; 50.0; 7; 19Bet Ori ; 0.10; 14000;occ; 100; 0;45989
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6; 2057.5; 16-DEC-2010 16:59:10; Dark ; 67.0; 14; 58Alp Ori ; 0.87; 3000;occ; 134; 0;45989
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9; 2429.4; 16-DEC-2010 17:05:22; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;45989
10; 2642.4; 16-DEC-2010 17:08:55; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;45989
11; 2772.8; 16-DEC-2010 17:11:06; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;45989
12; 3685.7; 16-DEC-2010 17:26:19; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;45989
13; 3959.8; 16-DEC-2010 17:30:53; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;45989
14; 4116.0; 16-DEC-2010 17:33:29; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;45989

15; 4317.9; 16-DEC-2010 17:36:51; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;45989
 16; 4510.9; 16-DEC-2010 17:40:04; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;45989
 17; 4710.6; 16-DEC-2010 17:43:24; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;45989
 18; 4950.7; 16-DEC-2010 17:47:24; Bright; 33.0; 138; 47Eps Vir ; 2.83; 4700;occ; 66; 0;45989
 19; 5309.0; 16-DEC-2010 17:53:22; Dark ; 51.5; 15; 67Alp Vir ; 0.98; 28000;occ; 103; 0;45989
 20; 5518.7; 16-DEC-2010 17:56:52; Dark ; 46.5; 169; 46Gam Hya ; 2.99; 4700;occ; 93; 0;45989
 21; 5670.8; 16-DEC-2010 17:59:24; Dark ; 56.5; 106; 9Bet Crv ; 2.65; 5600;occ; 113; 0;45989
 22; 5768.1; 16-DEC-2010 18:01:01; Dark ; 46.0; 171; 2Eps Crv ; 3.00; 4250;occ; 92; 0;45989
 23; 5956.4; 16-DEC-2010 18:04:09; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;45989
 24; 6054.5; 16-DEC-2010 18:05:47; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;45990
 25; 6286.2; 16-DEC-2010 18:09:39; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45990
 26; 6510.2; 16-DEC-2010 18:13:23; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;45990
 27; 6599.2; 16-DEC-2010 18:14:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45990
 28; 6789.6; 16-DEC-2010 18:18:02; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;45990
 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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 3; -240.6; 17-DEC-2010 00:42:02; Dark ; 35.0; 171; 2Eps Crv ; 3.00; 4250;occ; 70; 0;45993
 4; -55.2; 17-DEC-2010 00:45:08; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;45993
 5; 43.0; 17-DEC-2010 00:46:46; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;45994
 6; 275.5; 17-DEC-2010 00:50:38; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45994
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 10; 905.4; 17-DEC-2010 01:01:08; Dark ; 52.5; 70; Zet Pup ; 2.25; 39000;occ; 105; 0;45994
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 12; 1258.4; 17-DEC-2010 01:07:01; Dark ; 52.5; 23; 21Eps CMa ; 1.50; 26000;occ; 105; 0;45994
 13; 1364.4; 17-DEC-2010 01:08:47; Dark ; 39.0; 179; 240mi2CMa ; 3.03; 24000;occ; 78; 0;45994
 14; 1527.5; 17-DEC-2010 01:11:30; Dark ; 51.0; 47; 2Bet CMa ; 1.98; 28000;occ; 102; 0;45994
 15; 1738.3; 17-DEC-2010 01:15:01; Dark ; 50.0; 7; 19Bet Ori ; 0.10; 14000;occ; 100; 0;45994
 16; 1870.9; 17-DEC-2010 01:17:14; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;45994
 17; 2055.8; 17-DEC-2010 01:20:19; Dark ; 58.5; 14; 58Alp Ori ; 0.87; 3000;occ; 117; 0;45994
 18; 2176.1; 17-DEC-2010 01:22:19; Dark ; 51.0; 13; 87Alp Tau ; 0.87; 3800;occ; 102; 0;45994
 19; 2304.3; 17-DEC-2010 01:24:27; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;45994
 20; 2427.4; 17-DEC-2010 01:26:30; Bright; 44.0; 28; 12Bet Tau ; 1.65; 15200;occ; 88; 0;45994
 21; 2639.5; 17-DEC-2010 01:30:02; Bright; 46.0; 107; 37The Aur ; 2.65; 11000;occ; 92; 0;45994
 22; 2770.0; 17-DEC-2010 01:32:13; Bright; 45.0; 42; 34Bet Aur ; 1.90; 10200;occ; 90; 0;45994
 23; 3685.4; 17-DEC-2010 01:47:28; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;45994
 24; 3958.4; 17-DEC-2010 01:52:01; Bright; 43.5; 32; 77Eps UMa ; 1.76; 11000;occ; 87; 0;45994
 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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 3; -239.1; 17-DEC-2010 02:22:18; Dark ; 29.0; 171; 2Eps Crv ; 3.00; 4250;occ; 58; 0;45994
 4; 43.9; 17-DEC-2010 02:27:01; Dark ; 46.5; 99; Del Cen ; 2.58; 26000;occ; 93; 0;45995
 5; 276.5; 17-DEC-2010 02:30:53; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45995
 6; 499.3; 17-DEC-2010 02:34:36; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 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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 15; 1870.9; 17-DEC-2010 02:57:28; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 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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5;-1502.3; 17-DEC-2010 03:41:29; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;45995
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21; 1527.9; 17-DEC-2010 04:31:59; Dark ; 49.5; 47; 2Bet CMa ; 1.98; 28000;occ; 99; 0;45996
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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26; 2303.7; 17-DEC-2010 04:44:55; Bright; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;45996
27; 2426.9; 17-DEC-2010 04:46:58; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;45996
28; 2638.4; 17-DEC-2010 04:50:29; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;45996
29; 2769.0; 17-DEC-2010 04:52:40; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;45996
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19; 1365.4; 17-DEC-2010 06:09:30; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;45997
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22; 1870.9; 17-DEC-2010 06:17:56; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;45997
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13; 3685.3; 17-DEC-2010 18:29:49; Bright; 53.0; 60; 7Bet UMi ; 2.08; 3950;occ; 106; 0;46004
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17; 6000.8; 21-DEC-2010 10:00:34; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;46056
18; 6102.9; 21-DEC-2010 10:02:16; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;46057
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23; 6964.1; 21-DEC-2010 10:16:37; Dark ; 49.5; 70; Zet Pup ; 2.25; 39000;occ; 99; 0;46057
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 16; 5751.5; 21-DEC-2010 11:36:38; Dark ; 60.0; 106; 9Bet Crv ; 2.65; 5600;occ; 120; 0;46057
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 19; 6347.4; 21-DEC-2010 11:46:34; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46058
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 6; 2605.8; 21-DEC-2010 12:24:27; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;46058
 7; 2702.1; 21-DEC-2010 12:26:03; Bright; 40.0; 6; 13Alp Aur ; 0.08; 3400;occ; 80; 0;46058
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 22; 6649.4; 21-DEC-2010 15:12:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46060
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26; 7298.0; 21-DEC-2010 15:22:53; Dark ; 54.5; 23; 21Eps CMA ; 1.50; 26000;occ; 109; 0;46060
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13; 4323.6; 21-DEC-2010 16:13:32; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;46060
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26; 7114.9; 21-DEC-2010 17:00:04; Dark ; 52.0; 117; Pi Pup ; 2.71; 3800;occ; 104; 0;46061
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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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 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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 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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 12; 3672.4; 31-DEC-2010 18:16:35; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;46205
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 14; 4087.9; 31-DEC-2010 18:23:30; Bright; 46.5; 39; 85Eta UMa ; 1.85; 24000;occ; 93; 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