

GOMOS Daily Report 29-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	01JAN2011 05:03:44
Data source version	GOMOS/5.01
Start time of products	29DEC2010 00:01:13
Stop time of products	29DEC2010 23:58:09
Store outputs in DB	Yes
Nb of level 1b prods	171
Nb of prods with errors	2

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

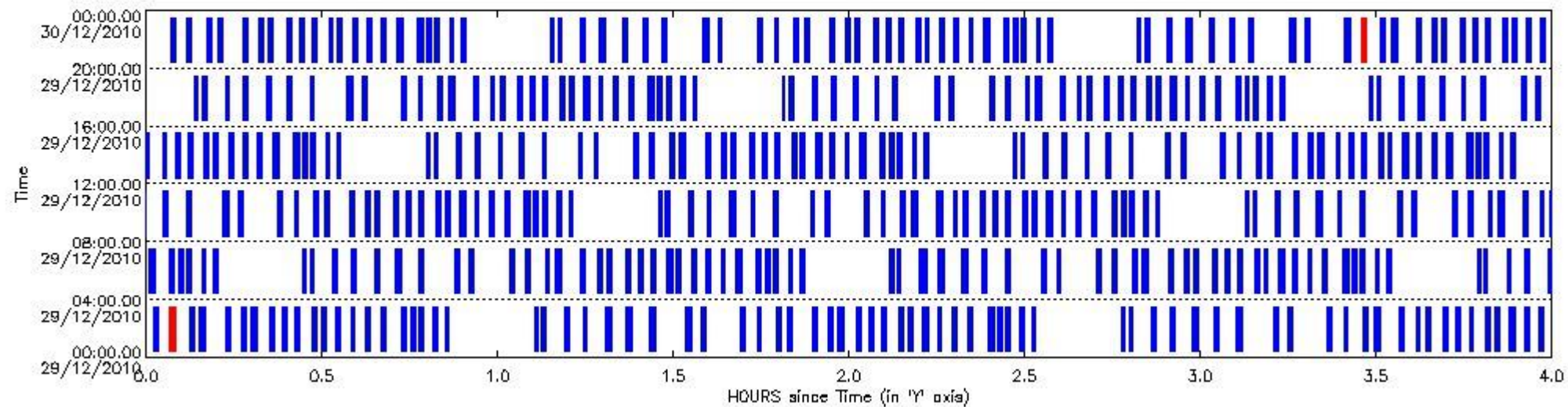
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
29-DEC-2010 00:03:58	ZetCen	95	46165
29-DEC-2010 23:27:23	ZetCen	95	46179

2.4 Summary of processed GOM_TRA_1P products

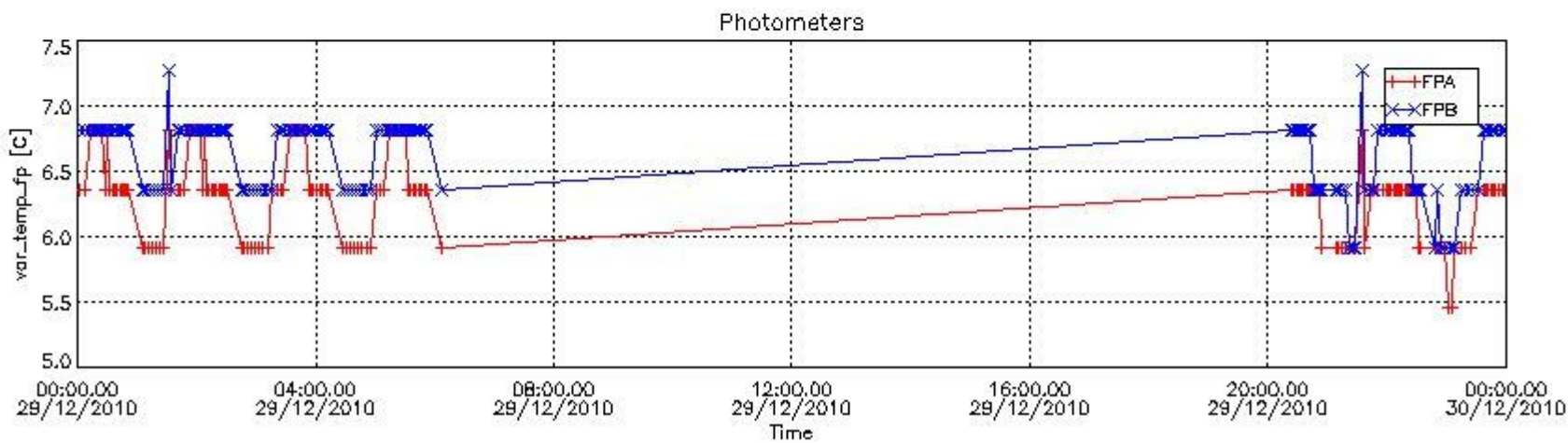
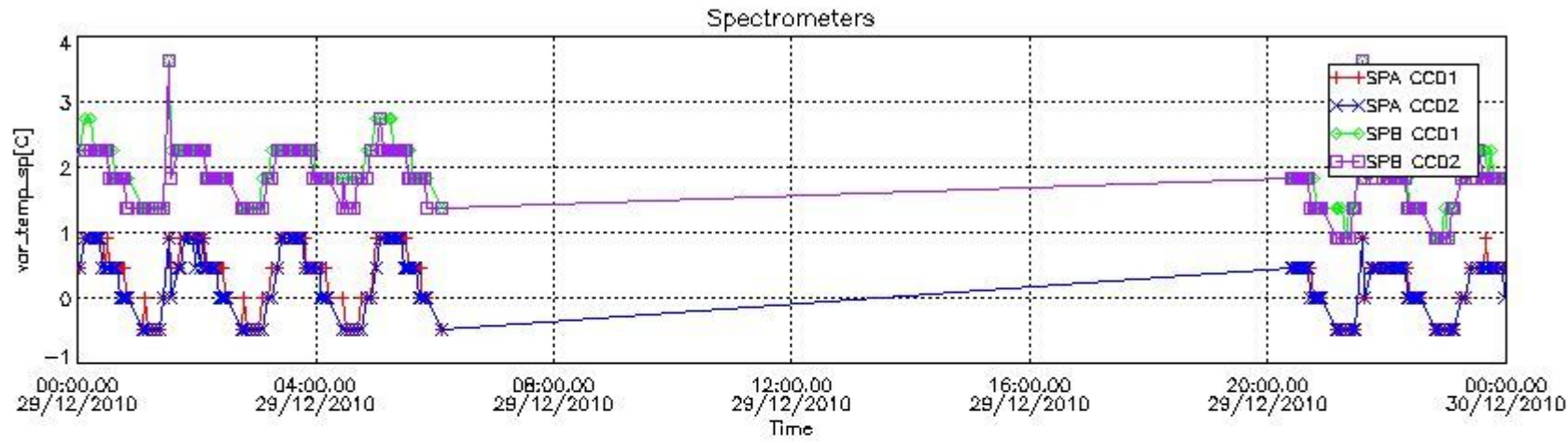
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20101229_000113_000000493098_00030_46165_0035.N1	29-DEC-2010 00:01:13	Dark	49.000	54	5The Cen	2.0550	4500.0	98	46165	No
2	GOM_TRA_1PNPDE20101229_000723_000000463098_00031_46166_0036.N1	29-DEC-2010 00:07:23	Dark	45.500	64	Gam Cen	2.2000	10600.	91	46166	No
3	GOM_TRA_1PNPDE20101229_001327_000000503098_00031_46166_0037.N1	29-DEC-2010 00:13:27	Dark	49.500	113	Mu Vel	2.6920	5000.0	99	46166	No
4	GOM_TRA_1PNPDE20101229_001615_000000423098_00031_46166_0038.N1	29-DEC-2010 00:16:15	Dark	42.000	71	lot Car	2.2460	7700.0	84	46166	No
5	GOM_TRA_1PNPDE20101229_001754_000000543098_00031_46166_0039.N1	29-DEC-2010 00:17:54	Dark	54.000	41	Eps Car	1.8600	4100.0	108	46166	No
6	GOM_TRA_1PNPDE20101229_002101_000000453098_00031_46166_0040.N1	29-DEC-2010 00:21:01	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	46166	No
7	GOM_TRA_1PNPDE20101229_002311_000000483098_00031_46166_0041.N1	29-DEC-2010 00:23:11	Dark	47.500	70	Zet Pup	2.2460	39000.	95	46166	No
8	GOM_TRA_1PNPDE20101229_002522_000000493098_00031_46166_0042.N1	29-DEC-2010 00:25:22	Dark	48.500	117	Pi Pup	2.7060	3800.0	97	46166	No
9	GOM_TRA_1PNPDE20101229_002814_000000473098_00031_46166_0043.N1	29-DEC-2010 00:28:14	Straylight	46.500	23	21Eps CMa	1.5020	26000.	93	46166	No

10	GOM_TRA_1PNPDE20101229_002948_000000483098_00031_46166_0044.N1	29-DEC-2010 00:29:48	Straylight	47.500	179	24Omi2CMa	3.0320	24000.	95	46166	No
11	GOM_TRA_1PNPDE20101229_003220_000000533098_00031_46166_0045.N1	29-DEC-2010 00:32:20	Straylight	52.500	1	9Alp CMa	-1.4400	11000.	105	46166	No
12	GOM_TRA_1PNPDE20101229_003451_000000433098_00031_46166_0046.N1	29-DEC-2010 00:34:51	Straylight	43.000	56	53Kap Ori	2.0650	30000.	86	46166	No
13	GOM_TRA_1PNPDE20101229_003723_000000453098_00031_46166_0047.N1	29-DEC-2010 00:37:23	Straylight	45.000	30	46Eps Ori	1.6940	30000.	90	46166	No
14	GOM_TRA_1PNPDE20101229_003958_000000573098_00031_46166_0048.N1	29-DEC-2010 00:39:58	Tw_i_and_stray	57.000	14	58Alp Ori	0.87000	3000.0	114	46166	No
15	GOM_TRA_1PNPDE20101229_004326_000000633098_00031_46166_0049.N1	29-DEC-2010 00:43:26	Bright	62.500	44	24Gam Gem	1.9280	11000.	125	46166	No
16	GOM_TRA_1PNPDE20101229_004503_000000493098_00031_46166_0050.N1	29-DEC-2010 00:45:03	Bright	49.000	151	13Mu Gem	2.8900	3000.0	98	46166	No
17	GOM_TRA_1PNPDE20101229_004627_000000473098_00031_46166_0051.N1	29-DEC-2010 00:46:27	Bright	47.000	170	27Eps Gem	3.0000	9700.0	94	46166	No
18	GOM_TRA_1PNPDE20101229_004859_000000403098_00031_46166_0052.N1	29-DEC-2010 00:48:59	Bright	39.500	107	37The Aur	2.6490	11000.	79	46166	No
19	GOM_TRA_1PNPDE20101229_005057_000000413098_00031_46166_0053.N1	29-DEC-2010 00:50:57	Bright	40.500	6	13Alp Aur	0.080000	3400.0	81	46166	No
20	GOM_TRA_1PNPDE20101229_010618_000000363098_00031_46166_0054.N1	29-DEC-2010 01:06:18	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	46166	No
21	GOM_TRA_1PNPDE20101229_010731_000000383098_00031_46166_0055.N1	29-DEC-2010 01:07:31	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	46166	No
22	GOM_TRA_1PNPDE20101229_011122_000000473098_00031_46166_0056.N1	29-DEC-2010 01:11:22	Bright	47.000	32	77Eps UMa	1.7630	11000.	94	46166	No
23	GOM_TRA_1PNPDE20101229_011431_000000453098_00031_46166_0057.N1	29-DEC-2010 01:14:31	Bright	45.000	39	85Eta UMa	1.8540	24000.	90	46166	No
24	GOM_TRA_1PNPDE20101229_011825_000000613098_00031_46166_0058.N1	29-DEC-2010 01:18:25	Bright	61.000	180	27Gam Boo	3.0400	8000.0	122	46166	No
25	GOM_TRA_1PNPDE20101229_012159_000000603098_00031_46166_0059.N1	29-DEC-2010 01:21:59	Bright	60.000	83		2.3780	11000.	120	46166	No
26	GOM_TRA_1PNPDE20101229_012555_000000603098_00031_46166_0060.N1	29-DEC-2010 01:25:55	Bright	60.000	111	8Eta Boo	2.6800	6000.0	120	46166	No
27	GOM_TRA_1PNPDE20101229_013208_000000553098_00031_46166_0047.N1	29-DEC-2010 01:32:08	Bright	55.000	104	27Bet Lib	2.6140	13100.	110	46166	Yes
28	GOM_TRA_1PNPDE20101229_013441_000000453098_00031_46166_0048.N1	29-DEC-2010 01:34:41	Tw_i_and_stray	45.000	122	9Alp2Lib	2.7470	9700.0	90	46166	No
29	GOM_TRA_1PNPDE20101229_014127_000000423098_00031_46166_0049.N1	29-DEC-2010 01:41:27	Dark	41.500	54	5The Cen	2.0550	4500.0	83	46166	No
30	GOM_TRA_1PNPDE20101229_014417_000000413098_00031_46166_0050.N1	29-DEC-2010 01:44:17	Dark	40.500	95	Zet Cen	2.5450	26000.	81	46166	No
31	GOM_TRA_1PNPDE20101229_014737_000000463098_00032_46167_0051.N1	29-DEC-2010 01:47:37	Dark	46.000	64	Gam Cen	2.2000	10600.	92	46167	No
32	GOM_TRA_1PNPDE20101229_015341_000000483098_00032_46167_0052.N1	29-DEC-2010 01:53:41	Dark	48.000	113	Mu Vel	2.6920	5000.0	96	46167	No
33	GOM_TRA_1PNPDE20101229_015630_000000413098_00032_46167_0053.N1	29-DEC-2010 01:56:30	Dark	41.000	71	lot Car	2.2460	7700.0	82	46167	No
34	GOM_TRA_1PNPDE20101229_015808_000000503098_00032_46167_0054.N1	29-DEC-2010 01:58:08	Dark	50.000	41	Eps Car	1.8600	4100.0	100	46167	No
35	GOM_TRA_1PNPDE20101229_020115_000000483098_00032_46167_0055.N1	29-DEC-2010 02:01:15	Dark	48.000	34	Gam2Vel	1.7930	23000.	96	46167	No
36	GOM_TRA_1PNPDE20101229_020326_000000473098_00032_46167_0056.N1	29-DEC-2010 02:03:26	Dark	47.000	70	Zet Pup	2.2460	39000.	94	46167	No
37	GOM_TRA_1PNPDE20101229_020536_000000483098_00032_46167_0057.N1	29-DEC-2010 02:05:36	Dark	48.000	117	Pi Pup	2.7060	3800.0	96	46167	No
38	GOM_TRA_1PNPDE20101229_020828_000000463098_00032_46167_0058.N1	29-DEC-2010 02:08:28	Straylight	46.000	23	21Eps CMa	1.5020	26000.	92	46167	No
39	GOM_TRA_1PNPDE20101229_021002_000000463098_00032_46167_0059.N1	29-DEC-2010 02:10:02	Straylight	46.000	179	24Omi2CMa	3.0320	24000.	92	46167	No
40	GOM_TRA_1PNPDE20101229_021234_000000553098_00032_46167_0060.N1	29-DEC-2010 02:12:34	Straylight	55.000	1	9Alp CMa	-1.4400	11000.	110	46167	No
41	GOM_TRA_1PNPDE20101229_021505_000000443098_00032_46167_0061.N1	29-DEC-2010 02:15:05	Straylight	44.000	56	53Kap Ori	2.0650	30000.	88	46167	No
42	GOM_TRA_1PNPDE20101229_021737_000000483098_00032_46167_0062.N1	29-DEC-2010 02:17:37	Straylight	47.500	30	46Eps Ori	1.6940	30000.	95	46167	No
43	GOM_TRA_1PNPDE20101229_022012_000000573098_00032_46167_0063.N1	29-DEC-2010 02:20:12	Tw_i_and_stray	57.000	14	58Alp Ori	0.87000	3000.0	114	46167	No
44	GOM_TRA_1PNPDE20101229_022340_000000663098_00032_46167_0064.N1	29-DEC-2010 02:23:40	Bright	66.000	44	24Gam Gem	1.9280	11000.	132	46167	No
45	GOM_TRA_1PNPDE20101229_022516_000000503098_00032_46167_0065.N1	29-DEC-2010 02:25:16	Bright	49.500	151	13Mu Gem	2.8900	3000.0	99	46167	No
46	GOM_TRA_1PNPDE20101229_022640_000000483098_00032_46167_0066.N1	29-DEC-2010 02:26:40	Bright	48.000	170	27Eps Gem	3.0000	9700.0	96	46167	No
47	GOM_TRA_1PNPDE20101229_022913_000000393098_00032_46167_0067.N1	29-DEC-2010 02:29:13	Bright	39.000	107	37The Aur	2.6490	11000.	78	46167	No
48	GOM_TRA_1PNPDE20101229_023111_000000393098_00032_46167_0068.N1	29-DEC-2010 02:31:11	Bright	39.000	6	13Alp Aur	0.080000	3400.0	78	46167	No
49	GOM_TRA_1PNPDE20101229_024632_000000363098_00032_46167_0071.N1	29-DEC-2010 02:46:32	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	46167	No
50	GOM_TRA_1PNPDE20101229_024745_000000393098_00032_46167_0072.N1	29-DEC-2010 02:47:45	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	46167	No
51	GOM_TRA_1PNPDE20101229_025136_000000483098_00032_46167_0073.N1	29-DEC-2010 02:51:36	Bright	47.500	32	77Eps UMa	1.7630	11000.	95	46167	No
52	GOM_TRA_1PNPDE20101229_025444_000000553098_00032_46167_0074.N1	29-DEC-2010 02:54:44	Bright	55.000	39	85Eta UMa	1.8540	24000.	110	46167	No
53	GOM_TRA_1PNPDE20101229_025839_000000613098_00032_46167_0075.N1	29-DEC-2010 02:58:39	Bright	61.000	180	27Gam Boo	3.0400	8000.0	122	46167	No
54	GOM_TRA_1PNPDE20101229_030213_000000603098_00032_46167_0076.N1	29-DEC-2010 03:02:13	Bright	60.000	83		2.3780	11000.	120	46167	No
55	GOM_TRA_1PNPDE20101229_030609_000000603098_00032_46167_0077.N1	29-DEC-2010 03:06:09	Bright	60.000	111	8Eta Boo	2.6800	6000.0	120	46167	No
56	GOM_TRA_1PNPDE20101229_031222_000000553098_00032_46167_0078.N1	29-DEC-2010 03:12:22	Bright	55.000	104	27Bet Lib	2.6140	13100.	110	46167	No
57	GOM_TRA_1PNPDE20101229_031455_000000463098_00032_46167_0079.N1	29-DEC-2010 03:14:55	Tw_i_and_stray	46.000	122	9Alp2Lib	2.7470	9700.0	92	46167	No
58	GOM_TRA_1PNPDE20101229_032142_000000483098_00032_46167_0080.N1	29-DEC-2010 03:21:42	Dark	47.500	54	5The Cen	2.0550	4500.0	95	46167	No
59	GOM_TRA_1PNPDE20101229_032431_000000413098_00032_46167_0081.N1	29-DEC-2010 03:24:31	Dark	41.000	95	Zet Cen	2.5450	26000.	82	46167	No
60	GOM_TRA_1PNPDE20101229_032752_000000453098_00033_46168_0082.N1	29-DEC-2010 03:27:52	Dark	44.500	64	Gam Cen	2.2000	10600.	89	46168	No
61	GOM_TRA_1PNPDE20101229_033356_000000483098_00033_46168_0083.N1	29-DEC-2010 03:33:56	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	46168	No
62	GOM_TRA_1PNPDE20101229_033644_000000423098_00033_46168_0084.N1	29-DEC-2010 03:36:44	Dark	41.500	71	lot Car	2.2460	7700.0	83	46168	No
63	GOM_TRA_1PNPDE20101229_033823_000000533098_00033_46168_0085.N1	29-DEC-2010 03:38:23	Dark	52.500	41	Eps Car	1.8600	4100.0	105	46168	No
64	GOM_TRA_1PNPDE20101229_034130_000000463098_00033_46168_0086.N1	29-DEC-2010 03:41:30	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	46168	No
65	GOM_TRA_1PNPDE20101229_034341_000000493098_00033_46168_0087.N1	29-DEC-2010 03:43:41	Dark	49.000	70	Zet Pup	2.2460	39000.	98	46168	No
66	GOM_TRA_1PNPDE20101229_034551_000000493098_00033_46168_0088.N1	29-DEC-2010 03:45:51	Dark	48.500	117	Pi Pup	2.7060	3800.0	97	46168	No
67	GOM_TRA_1PNPDE20101229_034843_000000483098_00033_46168_0089.N1	29-DEC-2010 03:48:43	Straylight	48.000	23	21Eps CMa	1.5020	26000.	96	46168	No
68	GOM_TRA_1PNPDE20101229_035017_000000453098_00033_46168_0090.N1	29-DEC-2010 03:50:17	Straylight	44.500	179	24Omi2CMa	3.0320	24000.	89	46168	No

69	GOM_TRA_1PNPDE20101229_035249_000000593098_00033_46168_0091.N1	29-DEC-2010 03:52:49	Straylight	59.000	1	9Alp CMa	-1.4400	11000.	118	46168	No
70	GOM_TRA_1PNPDE20101229_035519_000000443098_00033_46168_0092.N1	29-DEC-2010 03:55:19	Straylight	44.000	56	53Kap Ori	2.0650	30000.	88	46168	No
71	GOM_TRA_1PNPDE20101229_035751_000000463098_00033_46168_0093.N1	29-DEC-2010 03:57:51	Straylight	45.500	30	46Eps Ori	1.6940	30000.	91	46168	No
72	GOM_TRA_1PNPDE20101229_040026_000000573098_00033_46168_0094.N1	29-DEC-2010 04:00:26	Tw_i_and_stray	57.000	14	58Alp Ori	0.87000	3000.0	114	46168	No
73	GOM_TRA_1PNPDE20101229_040353_000000573098_00033_46168_0095.N1	29-DEC-2010 04:03:53	Bright	56.500	44	24Gam Gem	1.9280	11000.	113	46168	No
74	GOM_TRA_1PNPDE20101229_040530_000000483098_00033_46168_0096.N1	29-DEC-2010 04:05:30	Bright	48.000	151	13Mu Gem	2.8900	3000.0	96	46168	No
75	GOM_TRA_1PNPDE20101229_040654_000000483098_00033_46168_0097.N1	29-DEC-2010 04:06:54	Bright	48.000	170	27Eps Gem	3.0000	9700.0	96	46168	No
76	GOM_TRA_1PNPDE20101229_040927_000000393098_00033_46168_0098.N1	29-DEC-2010 04:09:27	Bright	39.000	107	37The Aur	2.6490	11000.	78	46168	No
77	GOM_TRA_1PNPDE20101229_041125_000000443098_00033_46168_0099.N1	29-DEC-2010 04:11:25	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	46168	No
78	GOM_TRA_1PNPDE20101229_042645_000000353098_00033_46168_0100.N1	29-DEC-2010 04:26:45	Bright	35.000	36	50Alp UMa	1.8000	6300.0	70	46168	No
79	GOM_TRA_1PNPDE20101229_042759_000000393098_00033_46168_0089.N1	29-DEC-2010 04:27:59	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	46168	No
80	GOM_TRA_1PNPDE20101229_043149_000000473098_00033_46168_0090.N1	29-DEC-2010 04:31:49	Bright	46.500	32	77Eps UMa	1.7630	11000.	93	46168	No
81	GOM_TRA_1PNPDE20101229_043458_000000463098_00033_46168_0091.N1	29-DEC-2010 04:34:58	Bright	45.500	39	85Eta UMa	1.8540	24000.	91	46168	No
82	GOM_TRA_1PNPDE20101229_043853_000000613098_00033_46168_0092.N1	29-DEC-2010 04:38:53	Bright	61.000	180	27Gam Boo	3.0400	8000.0	122	46168	No
83	GOM_TRA_1PNPDE20101229_044227_000000603098_00033_46168_0093.N1	29-DEC-2010 04:42:27	Bright	60.000	83		2.3780	11000.	120	46168	No
84	GOM_TRA_1PNPDE20101229_044624_000000523098_00033_46168_0094.N1	29-DEC-2010 04:46:24	Bright	52.000	111	8Eta Boo	2.6800	6000.0	104	46168	No
85	GOM_TRA_1PNPDE20101229_045237_000000553098_00033_46168_0095.N1	29-DEC-2010 04:52:37	Bright	55.000	104	27Bet Lib	2.6140	13100.	110	46168	No
86	GOM_TRA_1PNPDE20101229_045510_000000453098_00033_46168_0096.N1	29-DEC-2010 04:55:10	Tw_i_and_stray	44.500	122	9Alp2Lib	2.7470	9700.0	89	46168	No
87	GOM_TRA_1PNPDE20101229_050157_000000553098_00033_46168_0097.N1	29-DEC-2010 05:01:57	Dark	54.500	54	5The Cen	2.0550	4500.0	109	46168	No
88	GOM_TRA_1PNPDE20101229_050446_000000393098_00033_46168_0098.N1	29-DEC-2010 05:04:46	Dark	38.500	95	Zet Cen	2.5450	26000.	77	46168	No
89	GOM_TRA_1PNPDE20101229_050807_000000443098_00034_46169_0099.N1	29-DEC-2010 05:08:07	Dark	44.000	64	Gam Cen	2.2000	10600.	88	46169	No
90	GOM_TRA_1PNPDE20101229_051412_000000483098_00034_46169_0100.N1	29-DEC-2010 05:14:12	Dark	48.000	113	Mu Vel	2.6920	5000.0	96	46169	No
91	GOM_TRA_1PNPDE20101229_051659_000000443098_00034_46169_0101.N1	29-DEC-2010 05:16:59	Dark	44.000	71	lot Car	2.2460	7700.0	88	46169	No
92	GOM_TRA_1PNPDE20101229_051838_000000463098_00034_46169_0102.N1	29-DEC-2010 05:18:38	Dark	46.000	41	Eps Car	1.8600	4100.0	92	46169	No
93	GOM_TRA_1PNPDE20101229_052144_000000493098_00034_46169_0103.N1	29-DEC-2010 05:21:44	Dark	49.000	34	Gam2Vel	1.7930	23000.	98	46169	No
94	GOM_TRA_1PNPDE20101229_052355_000000473098_00034_46169_0104.N1	29-DEC-2010 05:23:55	Dark	46.500	70	Zet Pup	2.2460	39000.	93	46169	No
95	GOM_TRA_1PNPDE20101229_052605_000000493098_00034_46169_0105.N1	29-DEC-2010 05:26:05	Dark	48.500	117	Pi Pup	2.7060	3800.0	97	46169	No
96	GOM_TRA_1PNPDE20101229_052857_000000503098_00034_46169_0106.N1	29-DEC-2010 05:28:57	Straylight	49.500	23	21Eps CMa	1.5020	26000.	99	46169	No
97	GOM_TRA_1PNPDE20101229_053031_000000483098_00034_46169_0107.N1	29-DEC-2010 05:30:31	Straylight	47.500	179	24Omi2CMa	3.0320	24000.	95	46169	No
98	GOM_TRA_1PNPDE20101229_053303_000000583098_00034_46169_0108.N1	29-DEC-2010 05:33:03	Straylight	58.000	1	9Alp CMa	-1.4400	11000.	116	46169	No
99	GOM_TRA_1PNPDE20101229_053534_000000433098_00034_46169_0109.N1	29-DEC-2010 05:35:34	Straylight	43.000	56	53Kap Ori	2.0650	30000.	86	46169	No
100	GOM_TRA_1PNPDE20101229_053805_000000463098_00034_46169_0110.N1	29-DEC-2010 05:38:05	Straylight	46.000	30	46Eps Ori	1.6940	30000.	92	46169	No
101	GOM_TRA_1PNPDE20101229_054040_000000573098_00034_46169_0111.N1	29-DEC-2010 05:40:40	Tw_i_and_stray	57.000	14	58Alp Ori	0.87000	3000.0	114	46169	No
102	GOM_TRA_1PNPDE20101229_054407_000000543098_00034_46169_0112.N1	29-DEC-2010 05:44:07	Bright	54.000	44	24Gam Gem	1.9280	11000.	108	46169	No
103	GOM_TRA_1PNPDE20101229_054544_000000493098_00034_46169_0113.N1	29-DEC-2010 05:45:44	Bright	49.000	151	13Mu Gem	2.8900	3000.0	98	46169	No
104	GOM_TRA_1PNPDE20101229_054707_000000483098_00034_46169_0114.N1	29-DEC-2010 05:47:07	Bright	48.000	170	27Eps Gem	3.0000	9700.0	96	46169	No
105	GOM_TRA_1PNPDE20101229_054940_000000403098_00034_46169_0115.N1	29-DEC-2010 05:49:40	Bright	39.500	107	37The Aur	2.6490	11000.	79	46169	No
106	GOM_TRA_1PNPDE20101229_055139_000000433098_00034_46169_0116.N1	29-DEC-2010 05:51:39	Bright	43.000	6	13Alp Aur	0.080000	3400.0	86	46169	No
107	GOM_TRA_1PNPDE20101229_060659_000000353098_00034_46169_0117.N1	29-DEC-2010 06:06:59	Tw_i_and_stray	34.500	36	50Alp UMa	1.8000	6300.0	69	46169	No
108	GOM_TRA_1PNPDE20101229_202356_000000493098_00043_46178_0195.N1	29-DEC-2010 20:23:56	Dark	48.500	34	Gam2Vel	1.7930	23000.	97	46178	No
109	GOM_TRA_1PNPDE20101229_202607_000000463098_00043_46178_0196.N1	29-DEC-2010 20:26:07	Dark	45.500	70	Zet Pup	2.2460	39000.	91	46178	No
110	GOM_TRA_1PNPDE20101229_202815_000000493098_00043_46178_0197.N1	29-DEC-2010 20:28:15	Dark	49.000	117	Pi Pup	2.7060	3800.0	98	46178	No
111	GOM_TRA_1PNPDE20101229_203106_000000483098_00043_46178_0198.N1	29-DEC-2010 20:31:06	Straylight	47.500	23	21Eps CMa	1.5020	26000.	95	46178	No
112	GOM_TRA_1PNPDE20101229_203239_000000453098_00043_46178_0199.N1	29-DEC-2010 20:32:39	Straylight	44.500	179	24Omi2CMa	3.0320	24000.	89	46178	No
113	GOM_TRA_1PNPDE20101229_203510_000000493098_00043_46178_0200.N1	29-DEC-2010 20:35:10	Straylight	49.000	1	9Alp CMa	-1.4400	11000.	98	46178	No
114	GOM_TRA_1PNPDE20101229_203741_000000413098_00043_46178_0201.N1	29-DEC-2010 20:37:41	Straylight	40.500	56	53Kap Ori	2.0650	30000.	81	46178	No
115	GOM_TRA_1PNPDE20101229_204012_000000473098_00043_46178_0202.N1	29-DEC-2010 20:40:12	Straylight	46.500	30	46Eps Ori	1.6940	30000.	93	46178	No
116	GOM_TRA_1PNPDE20101229_204246_000000573098_00043_46178_0203.N1	29-DEC-2010 20:42:46	Tw_i_and_stray	57.000	14	58Alp Ori	0.87000	3000.0	114	46178	No
117	GOM_TRA_1PNPDE20101229_204610_000000653098_00043_46178_0204.N1	29-DEC-2010 20:46:10	Bright	65.000	44	24Gam Gem	1.9280	11000.	130	46178	No
118	GOM_TRA_1PNPDE20101229_204747_000000473098_00043_46178_0205.N1	29-DEC-2010 20:47:47	Bright	47.000	151	13Mu Gem	2.8900	3000.0	94	46178	No
119	GOM_TRA_1PNPDE20101229_204909_000000473098_00043_46178_0206.N1	29-DEC-2010 20:49:09	Bright	47.000	170	27Eps Gem	3.0000	9700.0	94	46178	No
120	GOM_TRA_1PNPDE20101229_205144_000000403098_00043_46178_0207.N1	29-DEC-2010 20:51:44	Bright	40.000	107	37The Aur	2.6490	11000.	80	46178	No
121	GOM_TRA_1PNPDE20101229_205344_000000413098_00043_46178_0208.N1	29-DEC-2010 20:53:44	Bright	40.500	6	13Alp Aur	0.080000	3400.0	81	46178	No
122	GOM_TRA_1PNPDE20101229_210859_000000303098_00043_46178_0209.N1	29-DEC-2010 21:08:59	Tw_i_and_stray	30.000	36	50Alp UMa	1.8000	6300.0	60	46178	No
123	GOM_TRA_1PNPDE20101229_211019_000000383098_00043_46178_0210.N1	29-DEC-2010 21:10:19	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	46178	No
124	GOM_TRA_1PNPDE20101229_211406_000000453098_00043_46178_0211.N1	29-DEC-2010 21:14:06	Bright	45.000	32	77Eps UMa	1.7630	11000.	90	46178	No
125	GOM_TRA_1PNPDE20101229_211717_000000653098_00043_46178_0212.N1	29-DEC-2010 21:17:17	Bright	65.000	39	85Eta UMa	1.8540	24000.	130	46178	No
126	GOM_TRA_1PNPDE20101229_212114_000000613098_00043_46178_0213.N1	29-DEC-2010 21:21:14	Bright	61.000	180	27Gam Boo	3.0400	8000.0	122	46178	No
127	GOM_TRA_1PNPDE20101229_212450_000000423098_00043_46178_0214.N1	29-DEC-2010 21:24:50	Bright	41.500	83		2.3780	11000.	83	46178	No

128	GOM_TRA_1PNPDE20101229_212759_000000523098_00043_46178_0215.N1	29-DEC-2010 21:27:59	Bright	51.500	3	16Alp Boo	-0.050000	4250.0	103	46178	No
129	GOM_TRA_1PNPDE20101229_213501_000000553098_00043_46178_0216.N1	29-DEC-2010 21:35:01	Bright	55.000	104	27Bet Lib	2.6140	13100.	110	46178	Yes
130	GOM_TRA_1PNPDE20101229_213736_000000443098_00043_46178_0217.N1	29-DEC-2010 21:37:36	Twilight	44.000	122	9Alp2Lib	2.7470	9700.0	88	46178	No
131	GOM_TRA_1PNPDE20101229_214424_000000493098_00043_46178_0218.N1	29-DEC-2010 21:44:24	Dark	48.500	54	5The Cen	2.0550	4500.0	97	46178	No
132	GOM_TRA_1PNPDE20101229_214712_000000413098_00043_46178_0219.N1	29-DEC-2010 21:47:12	Dark	40.500	95	Zet Cen	2.5450	26000.	81	46178	No
133	GOM_TRA_1PNPDE20101229_215035_000000453098_00044_46179_0220.N1	29-DEC-2010 21:50:35	Dark	45.000	64	Gam Cen	2.2000	10600.	90	46179	No
134	GOM_TRA_1PNPDE20101229_215641_000000483098_00044_46179_0221.N1	29-DEC-2010 21:56:41	Dark	48.000	113	Mu Vel	2.6920	5000.0	96	46179	No
135	GOM_TRA_1PNPDE20101229_215925_000000423098_00044_46179_0222.N1	29-DEC-2010 21:59:25	Dark	41.500	71	lot Car	2.2460	7700.0	83	46179	No
136	GOM_TRA_1PNPDE20101229_220103_000000473098_00044_46179_0223.N1	29-DEC-2010 22:01:03	Dark	47.000	41	Eps Car	1.8600	4100.0	94	46179	No
137	GOM_TRA_1PNPDE20101229_220410_000000493098_00044_46179_0224.N1	29-DEC-2010 22:04:10	Dark	48.500	34	Gam2Vel	1.7930	23000.	97	46179	No
138	GOM_TRA_1PNPDE20101229_220621_000000463098_00044_46179_0225.N1	29-DEC-2010 22:06:21	Dark	46.000	70	Zet Pup	2.2460	39000.	92	46179	No
139	GOM_TRA_1PNPDE20101229_220830_000000473098_00044_46179_0226.N1	29-DEC-2010 22:08:30	Dark	47.000	117	Pi Pup	2.7060	3800.0	94	46179	No
140	GOM_TRA_1PNPDE20101229_221120_000000493098_00044_46179_0227.N1	29-DEC-2010 22:11:20	Straylight	48.500	23	21Eps CMa	1.5020	26000.	97	46179	No
141	GOM_TRA_1PNPDE20101229_221254_000000463098_00044_46179_0228.N1	29-DEC-2010 22:12:54	Straylight	46.000	179	24Omi2CMa	3.0320	24000.	92	46179	No
142	GOM_TRA_1PNPDE20101229_221524_000000543098_00044_46179_0229.N1	29-DEC-2010 22:15:24	Straylight	53.500	1	9Alp CMa	-1.4400	11000.	107	46179	No
143	GOM_TRA_1PNPDE20101229_221755_000000443098_00044_46179_0230.N1	29-DEC-2010 22:17:55	Straylight	43.500	56	53Kap Ori	2.0650	30000.	87	46179	No
144	GOM_TRA_1PNPDE20101229_222026_000000453098_00044_46179_0231.N1	29-DEC-2010 22:20:26	Straylight	44.500	30	46Eps Ori	1.6940	30000.	89	46179	No
145	GOM_TRA_1PNPDE20101229_222300_000000573098_00044_46179_0232.N1	29-DEC-2010 22:23:00	Twilight	57.000	14	58Alp Ori	0.87000	3000.0	114	46179	No
146	GOM_TRA_1PNPDE20101229_222623_000000543098_00044_46179_0233.N1	29-DEC-2010 22:26:23	Bright	54.000	44	24Gam Gem	1.9280	11000.	108	46179	No
147	GOM_TRA_1PNPDE20101229_222800_000000473098_00044_46179_0234.N1	29-DEC-2010 22:28:00	Bright	47.000	151	13Mu Gem	2.8900	3000.0	94	46179	No
148	GOM_TRA_1PNPDE20101229_222922_000000473098_00044_46179_0235.N1	29-DEC-2010 22:29:22	Bright	47.000	170	27Eps Gem	3.0000	9700.0	94	46179	No
149	GOM_TRA_1PNPDE20101229_223158_000000393098_00044_46179_0236.N1	29-DEC-2010 22:31:58	Bright	39.000	107	37The Aur	2.6490	11000.	78	46179	No
150	GOM_TRA_1PNPDE20101229_223358_000000413098_00044_46179_0237.N1	29-DEC-2010 22:33:58	Bright	40.500	6	13Alp Aur	0.080000	3400.0	81	46179	No
151	GOM_TRA_1PNPDE20101229_224912_000000303098_00044_46179_0238.N1	29-DEC-2010 22:49:12	Twilight	30.000	36	50Alp UMa	1.8000	6300.0	60	46179	No
152	GOM_TRA_1PNPDE20101229_225032_000000543098_00044_46179_0239.N1	29-DEC-2010 22:50:32	Bright	54.000	60	7Bet UMi	2.0810	3950.0	108	46179	No
153	GOM_TRA_1PNPDE20101229_225420_000000483098_00044_46179_0240.N1	29-DEC-2010 22:54:20	Bright	47.500	32	77Eps UMa	1.7630	11000.	95	46179	No
154	GOM_TRA_1PNPDE20101229_225731_000000653098_00044_46179_0241.N1	29-DEC-2010 22:57:31	Bright	65.000	39	85Eta UMa	1.8540	24000.	130	46179	No
155	GOM_TRA_1PNPDE20101229_230128_000000593098_00044_46179_0242.N1	29-DEC-2010 23:01:28	Bright	58.500	180	27Gam Boo	3.0400	8000.0	117	46179	No
156	GOM_TRA_1PNPDE20101229_230504_000000423098_00044_46179_0243.N1	29-DEC-2010 23:05:04	Bright	42.000	83		2.3780	11000.	84	46179	No
157	GOM_TRA_1PNPDE20101229_230813_000000523098_00044_46179_0244.N1	29-DEC-2010 23:08:13	Bright	51.500	3	16Alp Boo	-0.050000	4250.0	103	46179	No
158	GOM_TRA_1PNPDE20101229_231516_000000553098_00044_46179_0245.N1	29-DEC-2010 23:15:16	Bright	55.000	104	27Bet Lib	2.6140	13100.	110	46179	No
159	GOM_TRA_1PNPDE20101229_231750_000000453098_00044_46179_0235.N1	29-DEC-2010 23:17:50	Twilight	45.000	122	9Alp2Lib	2.7470	9700.0	90	46179	No
160	GOM_TRA_1PNPDE20101229_232439_000000533098_00044_46179_0236.N1	29-DEC-2010 23:24:39	Dark	53.000	54	5The Cen	2.0550	4500.0	106	46179	No
161	GOM_TRA_1PNPDE20101229_233050_000000453098_00045_46180_0237.N1	29-DEC-2010 23:30:50	Dark	45.000	64	Gam Cen	2.2000	10600.	90	46180	No
162	GOM_TRA_1PNPDE20101229_233656_000000483098_00045_46180_0238.N1	29-DEC-2010 23:36:56	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	46180	No
163	GOM_TRA_1PNPDE20101229_233940_000000473098_00045_46180_0239.N1	29-DEC-2010 23:39:40	Dark	46.500	71	lot Car	2.2460	7700.0	93	46180	No
164	GOM_TRA_1PNPDE20101229_234117_000000473098_00045_46180_0240.N1	29-DEC-2010 23:41:17	Dark	46.500	41	Eps Car	1.8600	4100.0	93	46180	No
165	GOM_TRA_1PNPDE20101229_234424_000000473098_00045_46180_0241.N1	29-DEC-2010 23:44:24	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	46180	No
166	GOM_TRA_1PNPDE20101229_234636_000000493098_00045_46180_0242.N1	29-DEC-2010 23:46:36	Dark	48.500	70	Zet Pup	2.2460	39000.	97	46180	No
167	GOM_TRA_1PNPDE20101229_234844_000000483098_00045_46180_0243.N1	29-DEC-2010 23:48:44	Dark	47.500	117	Pi Pup	2.7060	3800.0	95	46180	No
168	GOM_TRA_1PNPDE20101229_235134_000000473098_00045_46180_0244.N1	29-DEC-2010 23:51:34	Straylight	46.500	23	21Eps CMa	1.5020	26000.	93	46180	No
169	GOM_TRA_1PNPDE20101229_235308_000000483098_00045_46180_0245.N1	29-DEC-2010 23:53:08	Straylight	47.500	179	24Omi2CMa	3.0320	24000.	95	46180	No
170	GOM_TRA_1PNPDE20101229_235538_000000533098_00045_46180_0246.N1	29-DEC-2010 23:55:38	Straylight	52.500	1	9Alp CMa	-1.4400	11000.	105	46180	No
171	GOM_TRA_1PNPDE20101229_235809_000000443098_00045_46180_0247.N1	29-DEC-2010 23:58:09	Straylight	43.500	56	53Kap Ori	2.0650	30000.	87	46180	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).

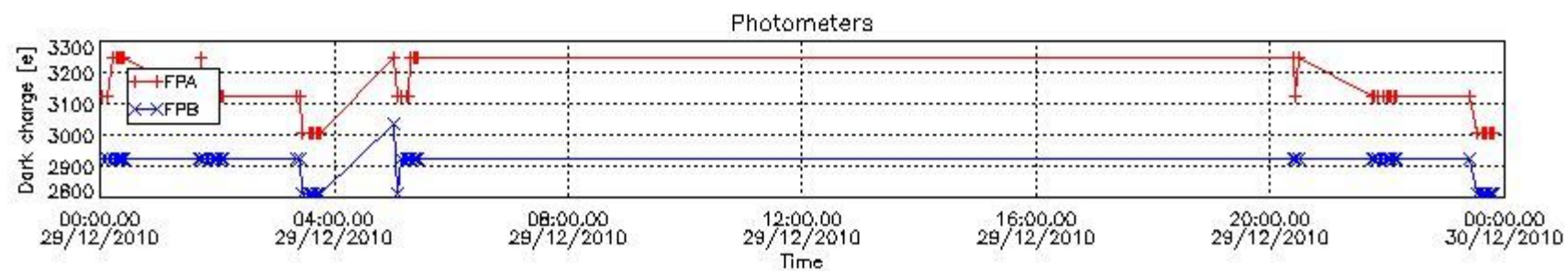
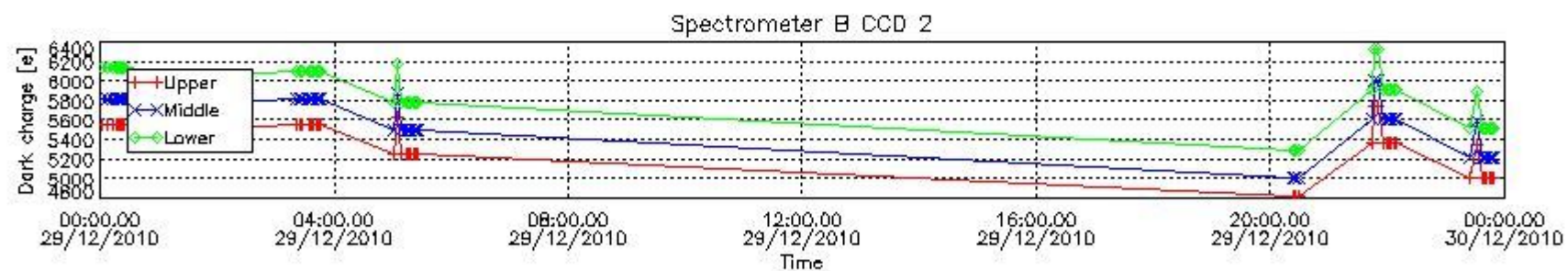
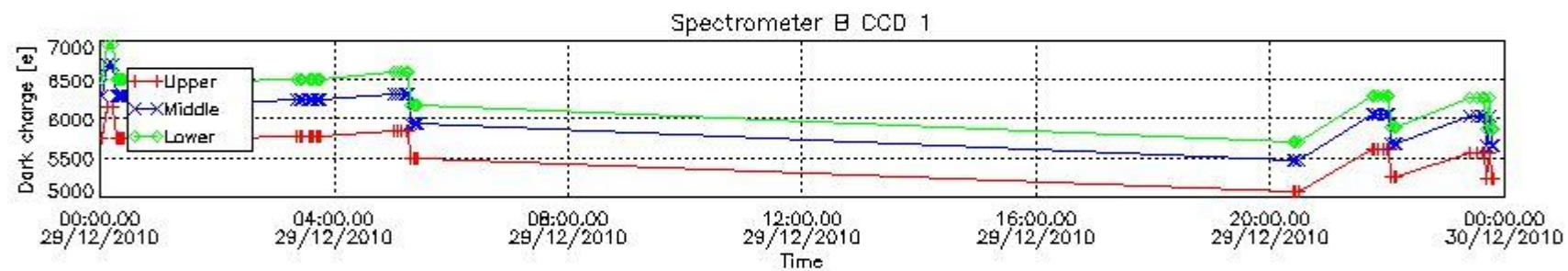
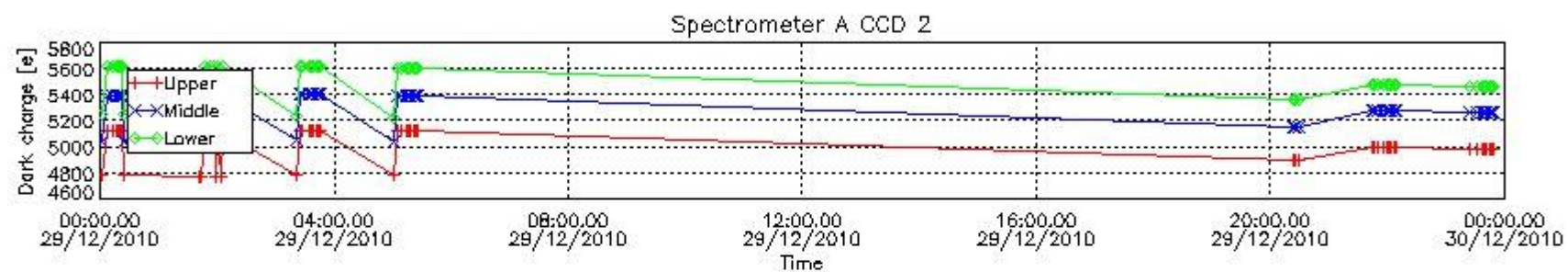
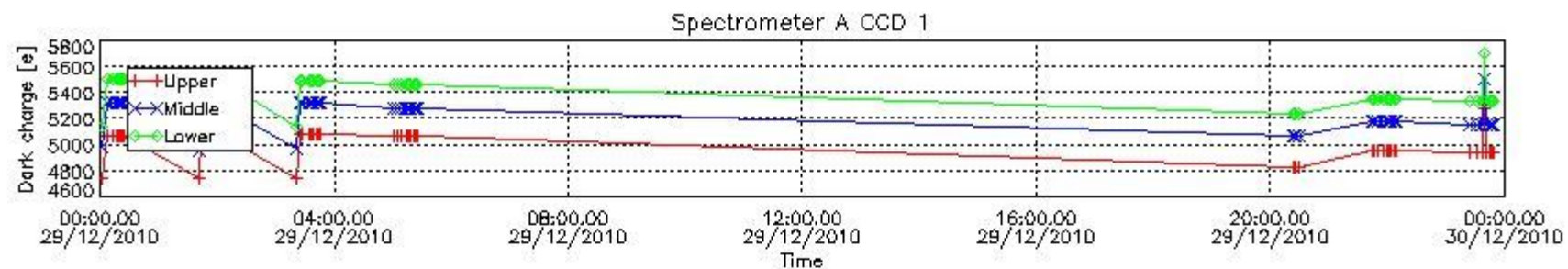
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20101229_202356_000000493098_00043_46178_0195.N1	DC map used
GOM_TRA_1PNPDE20101229_202607_000000463098_00043_46178_0196.N1	DC map used
GOM_TRA_1PNPDE20101229_202815_000000493098_00043_46178_0197.N1	DC map used
GOM_TRA_1PNPDE20101229_203106_000000483098_00043_46178_0198.N1	DC map used
GOM_TRA_1PNPDE20101229_203239_000000453098_00043_46178_0199.N1	DC map used
GOM_TRA_1PNPDE20101229_203510_000000493098_00043_46178_0200.N1	DC map used
GOM_TRA_1PNPDE20101229_203741_000000413098_00043_46178_0201.N1	DC map used
GOM_TRA_1PNPDE20101229_204012_000000473098_00043_46178_0202.N1	DC map used
GOM_TRA_1PNPDE20101229_204246_000000573098_00043_46178_0203.N1	DC map used
GOM_TRA_1PNPDE20101229_204610_000000653098_00043_46178_0204.N1	DC map used
GOM_TRA_1PNPDE20101229_204747_000000473098_00043_46178_0205.N1	DC map used
GOM_TRA_1PNPDE20101229_204909_000000473098_00043_46178_0206.N1	DC map used
GOM_TRA_1PNPDE20101229_205144_000000403098_00043_46178_0207.N1	DC map used
GOM_TRA_1PNPDE20101229_205344_000000413098_00043_46178_0208.N1	DC map used

GOM_TRA_1PNPDE20101229_210859_000000303098_00043_46178_0209.N1	DC map used
GOM_TRA_1PNPDE20101229_211019_000000383098_00043_46178_0210.N1	DC map used
GOM_TRA_1PNPDE20101229_211406_000000453098_00043_46178_0211.N1	DC map used
GOM_TRA_1PNPDE20101229_211717_000000653098_00043_46178_0212.N1	DC map used
GOM_TRA_1PNPDE20101229_212114_000000613098_00043_46178_0213.N1	DC map used
GOM_TRA_1PNPDE20101229_212450_000000423098_00043_46178_0214.N1	DC map used
GOM_TRA_1PNPDE20101229_212759_000000523098_00043_46178_0215.N1	DC map used

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



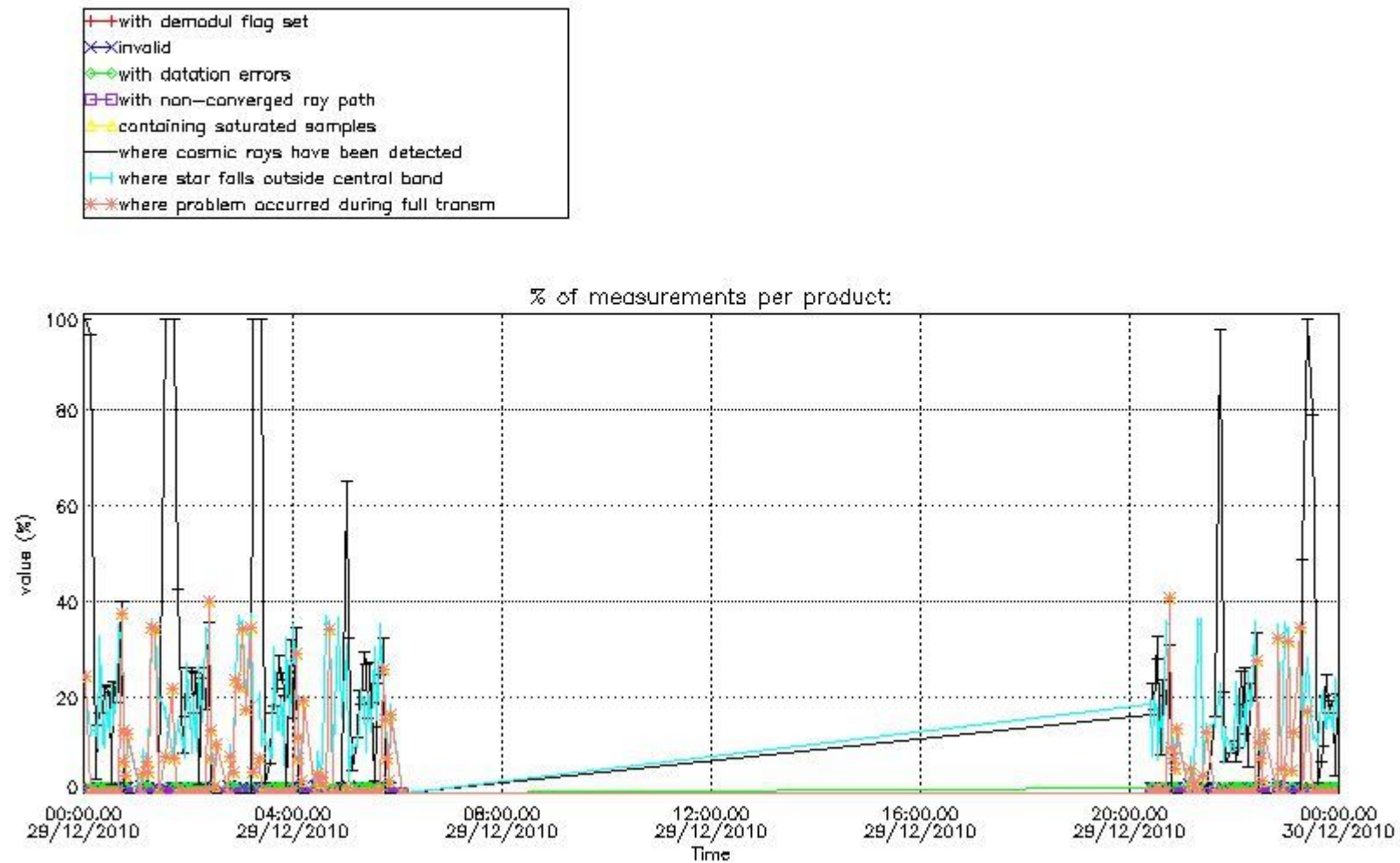
5. Demodulation flag and quality information monitoring

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.

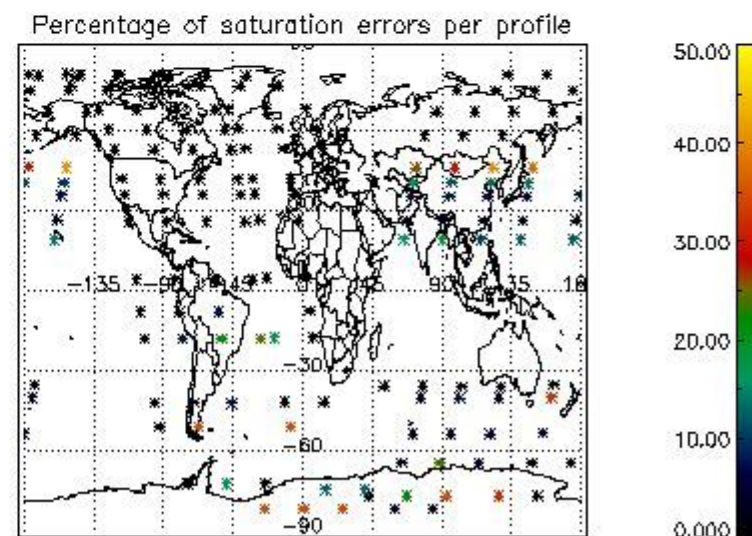
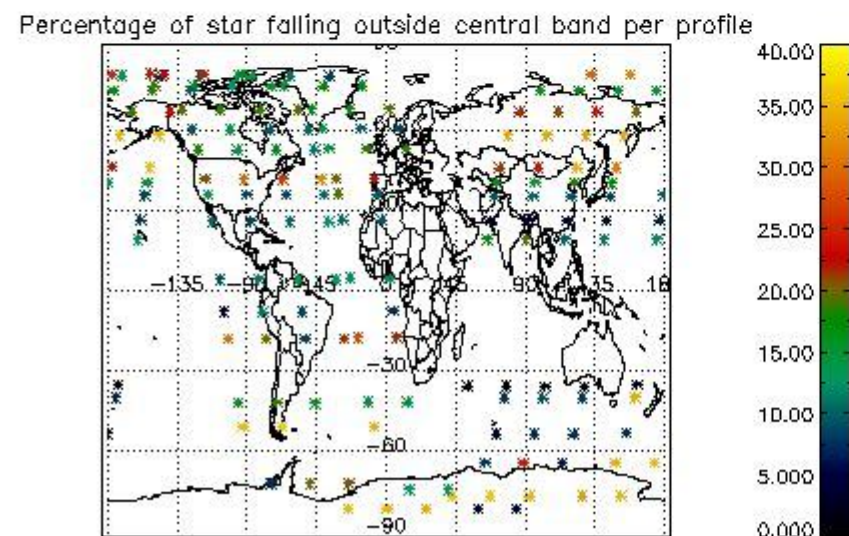
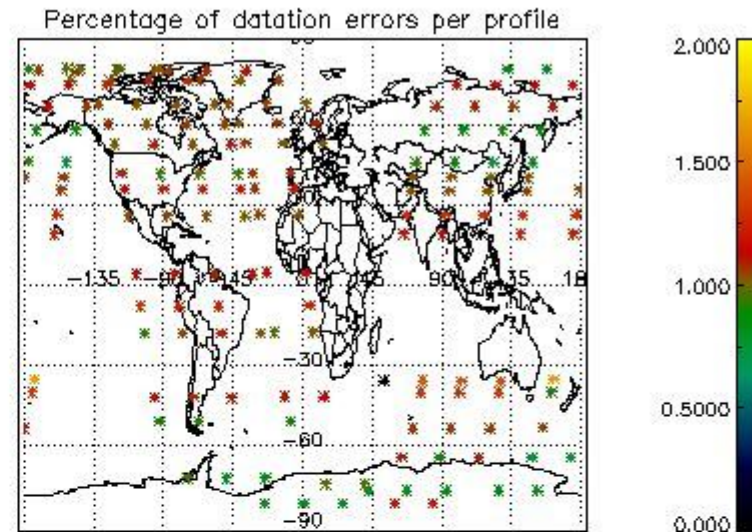
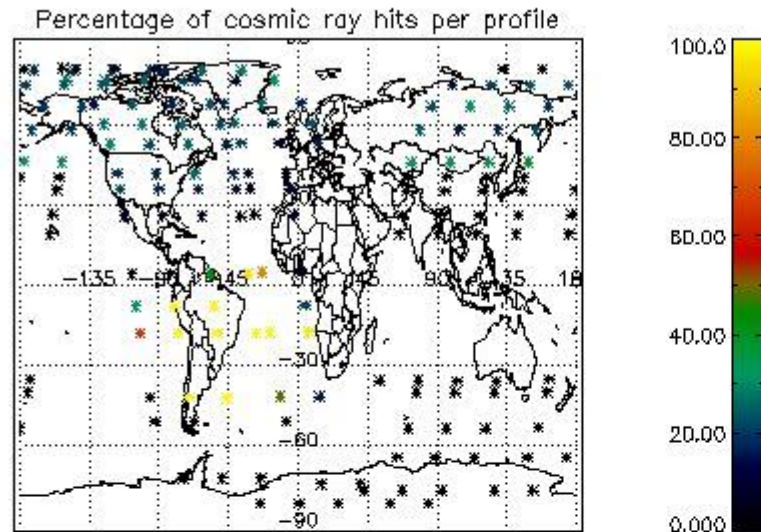
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	55.0296 %
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)



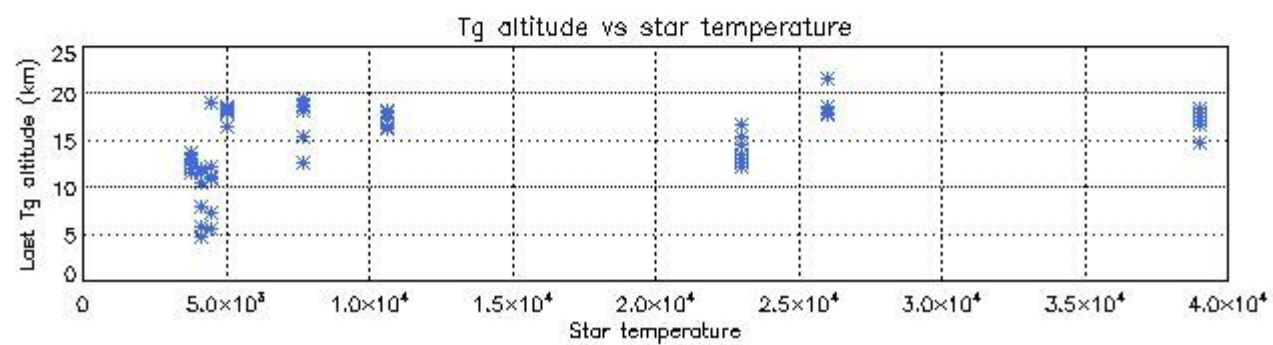
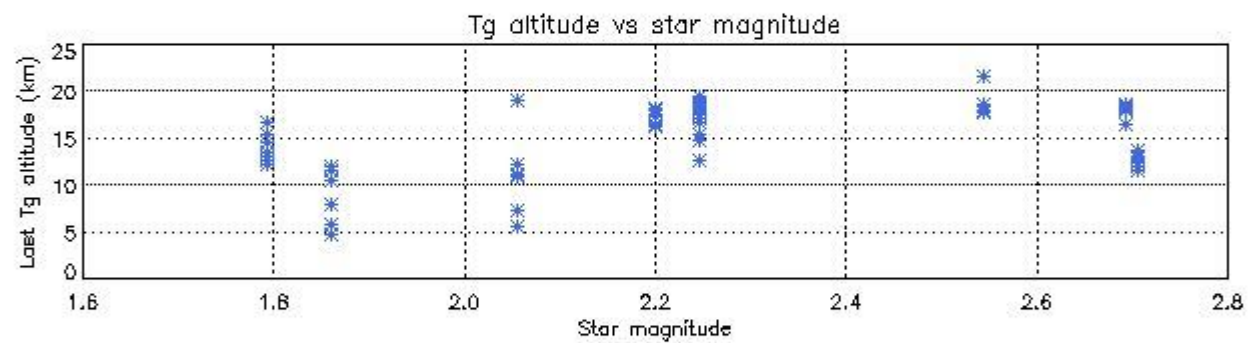
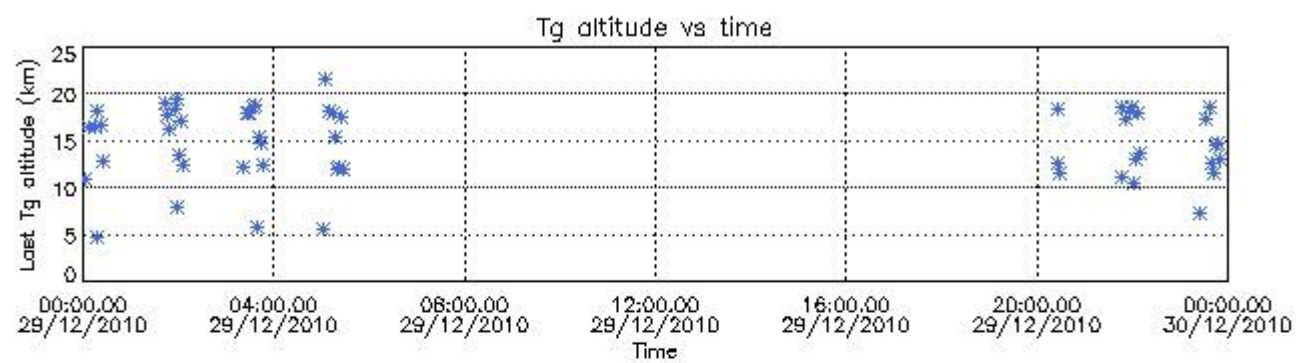
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.753	15.189	NaN
St. deviation:	3.8852	9.6105	NaN
Maximum:	21.618	49.369	NaN
Minimum:	4.6485	3.6172	NaN
Number of data:	55.000	66.000	NaN

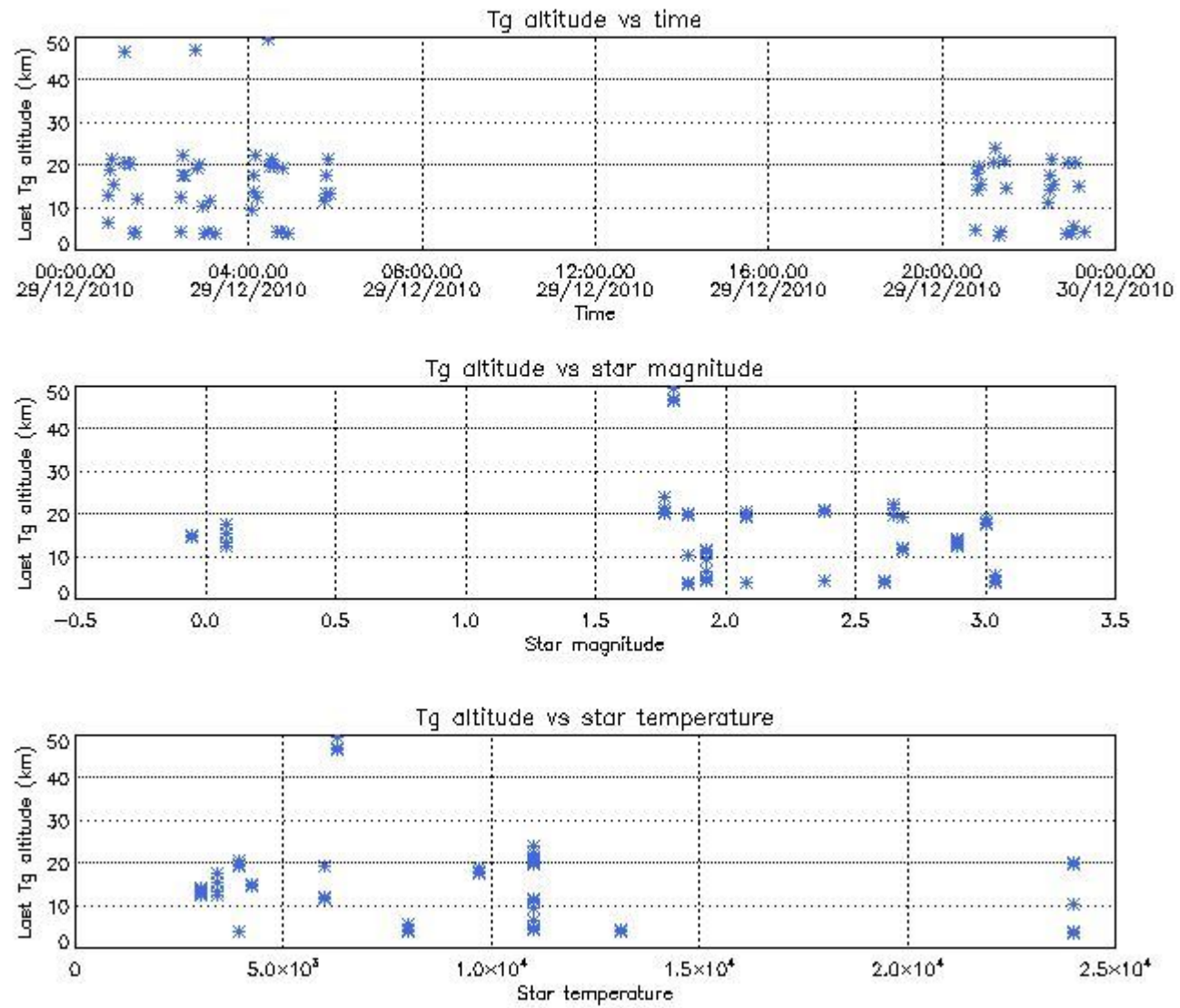
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

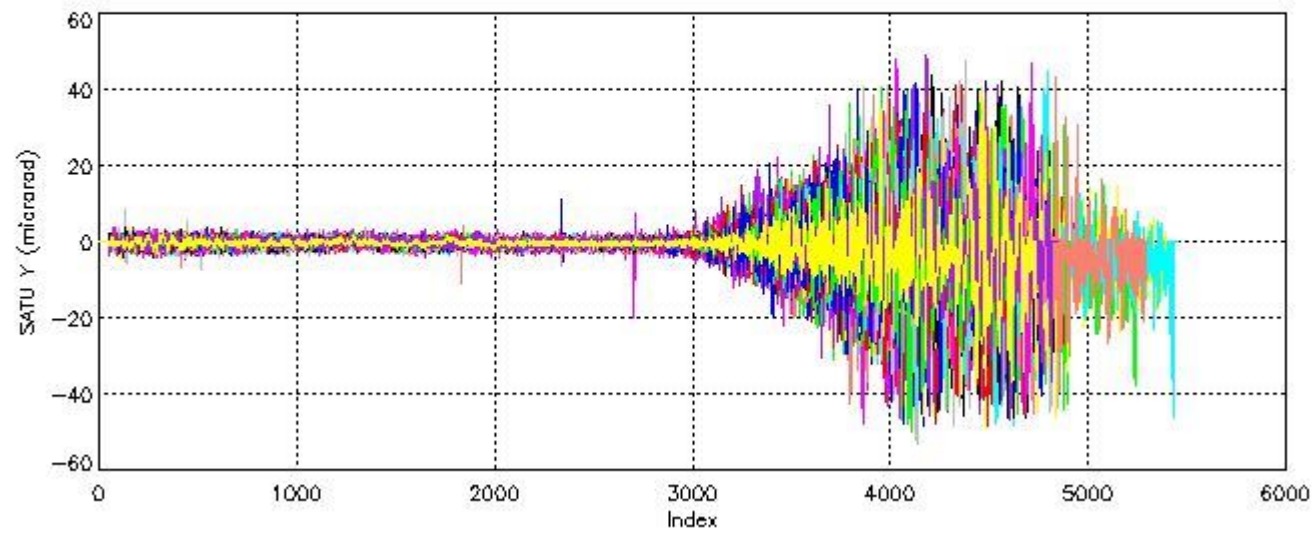
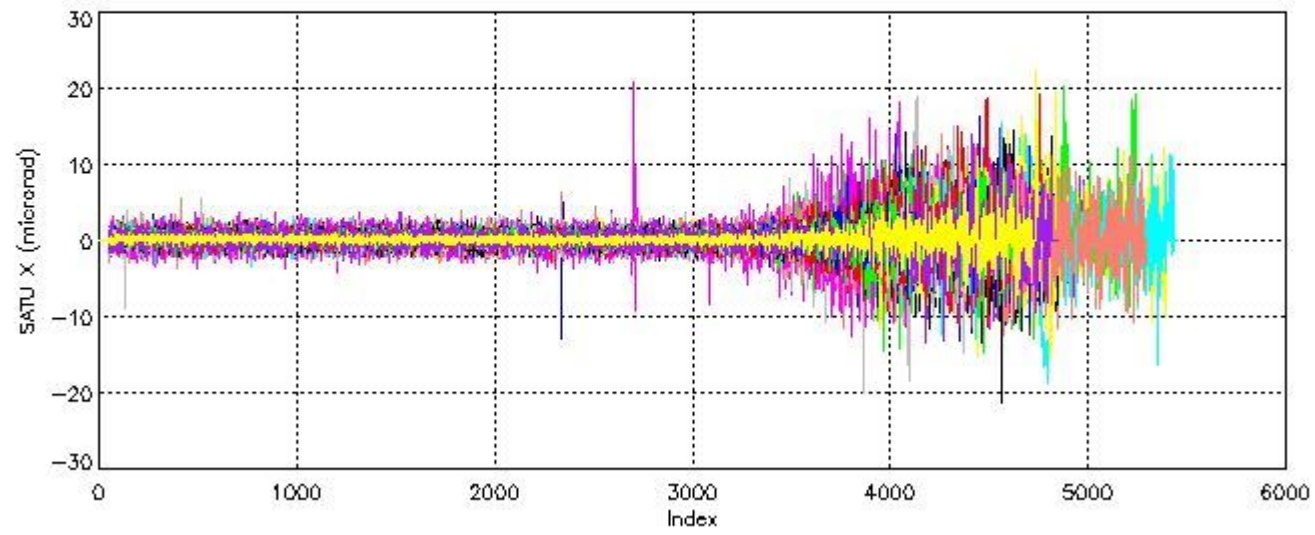


7. Star Acquisition and Tracking Unit (SATU)

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:	0.20923	-0.34889	0.17834	-0.26496
St. deviation:	0.54489	0.83231	0.66316	0.92497
Maximum:	5.6000	8.6000	4.9000	5.7000
Minimum:	-8.9000	-7.4000	-5.5000	-6.5000

Number of data:	56600.	56600.	66800.	66800.
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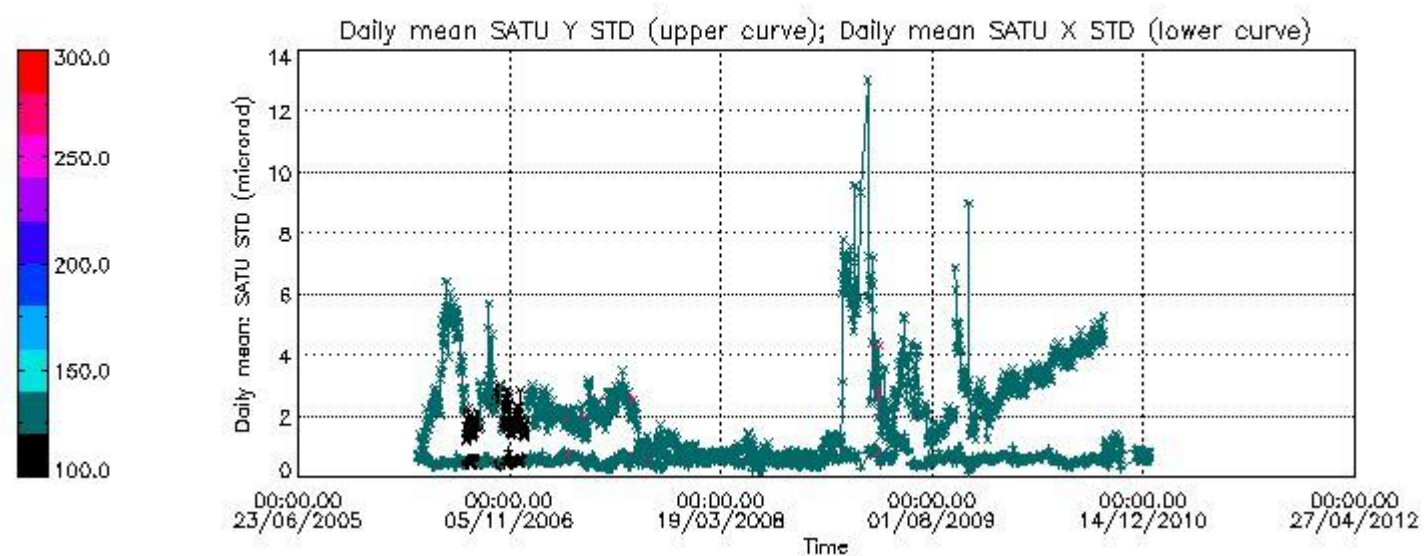
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

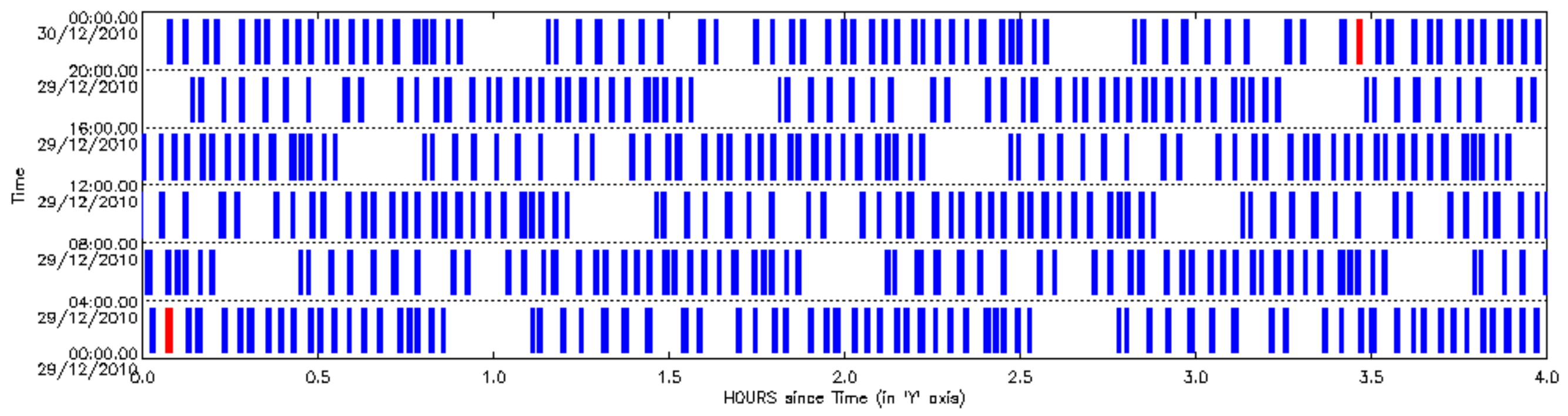
Lower curve: STD of SATU X axis

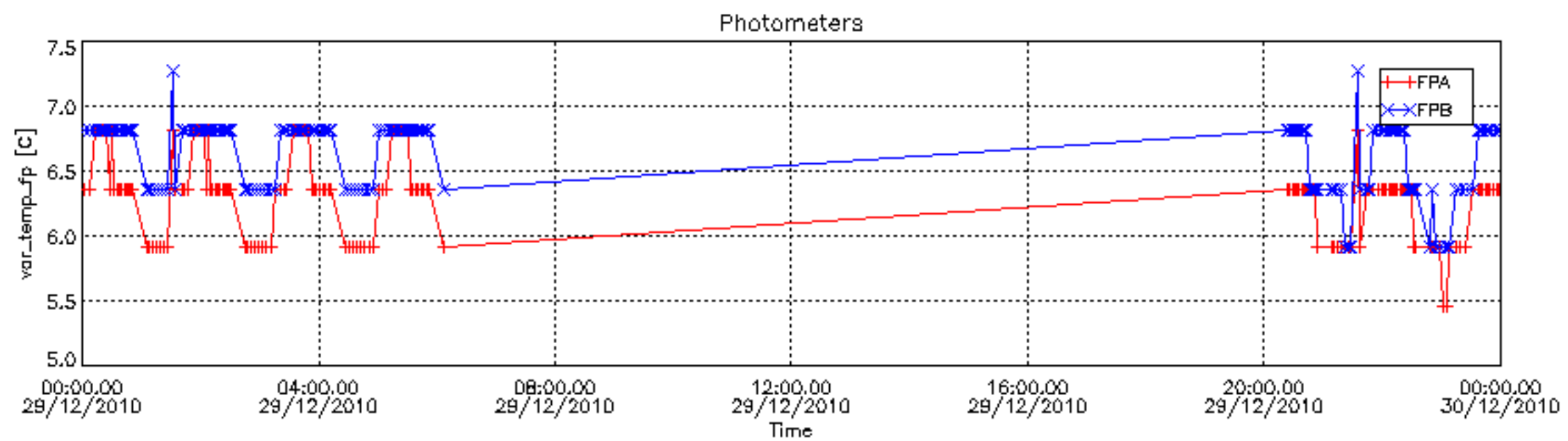
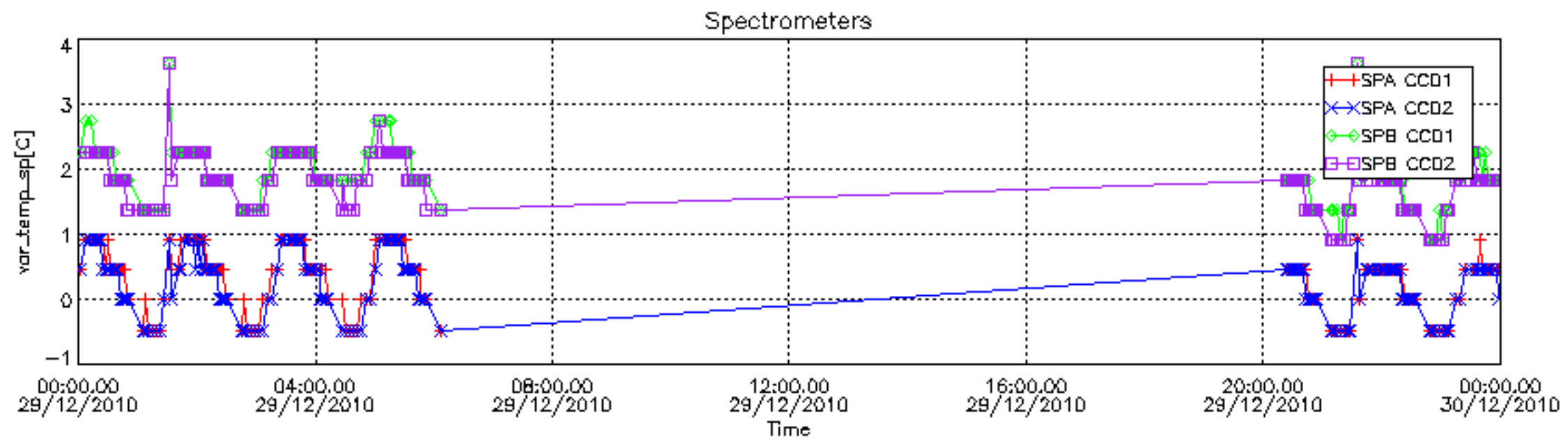


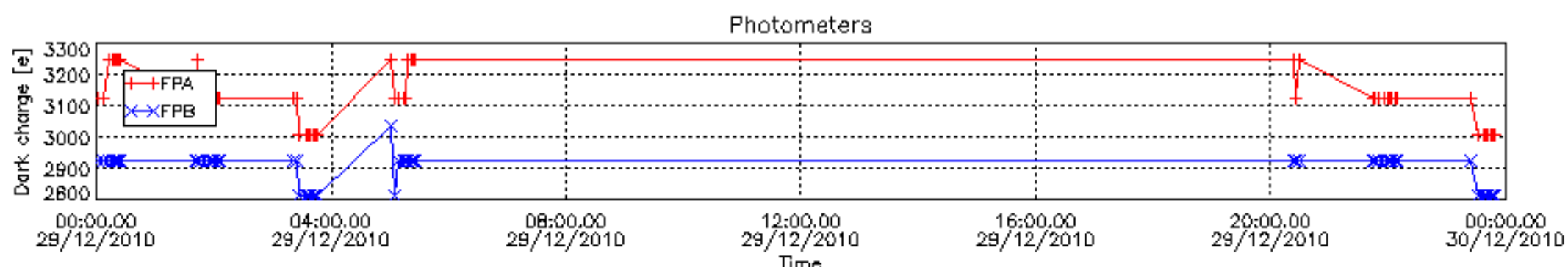
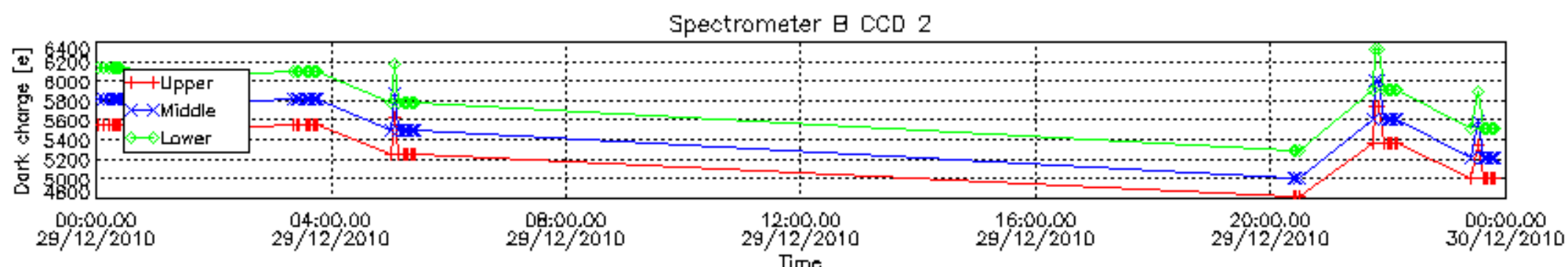
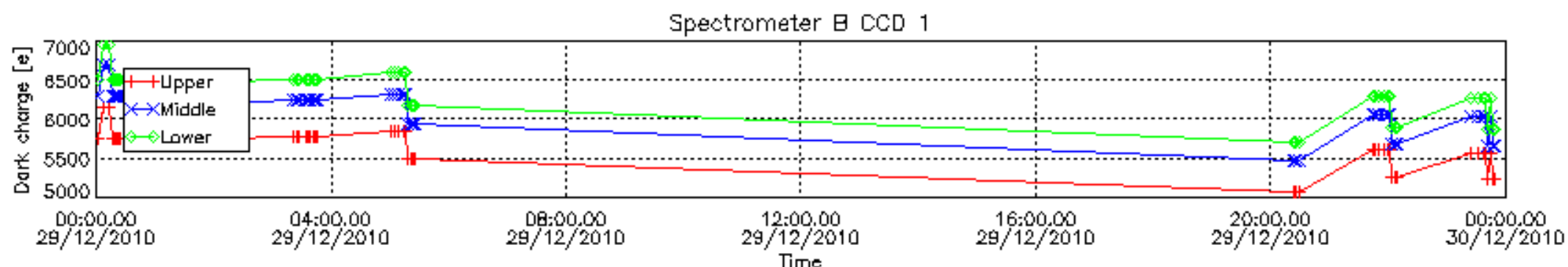
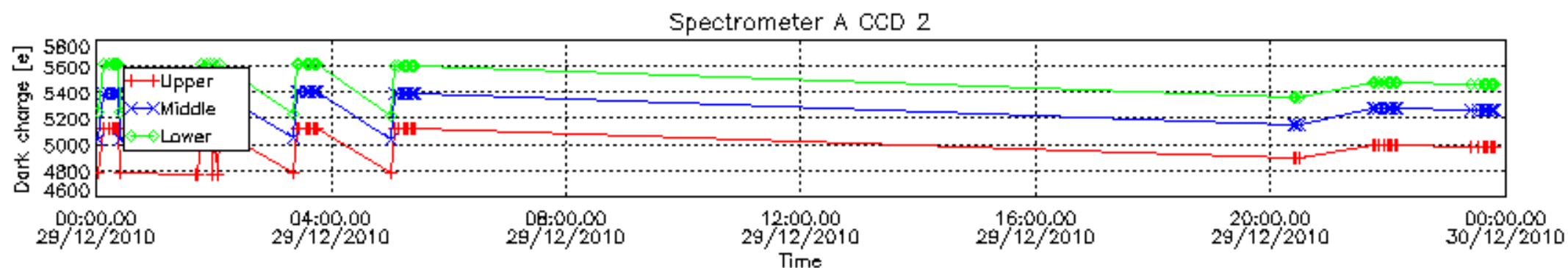
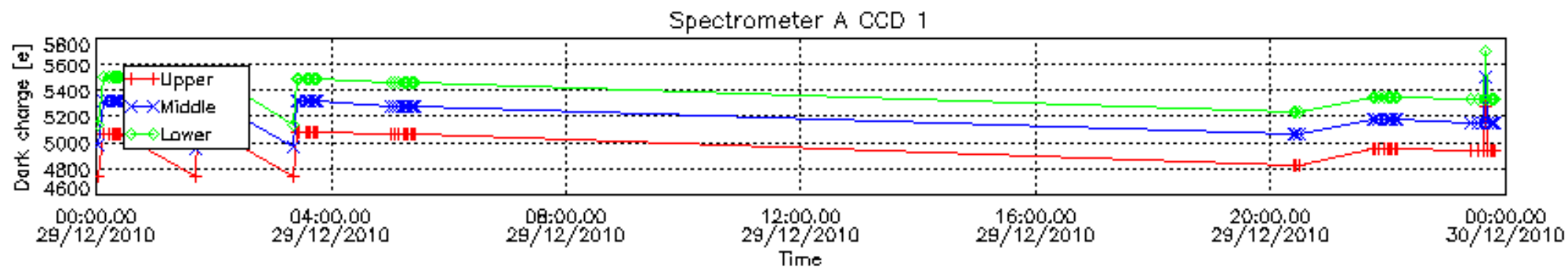
8. Auxiliary Data Files used for the production reported in section 2.4

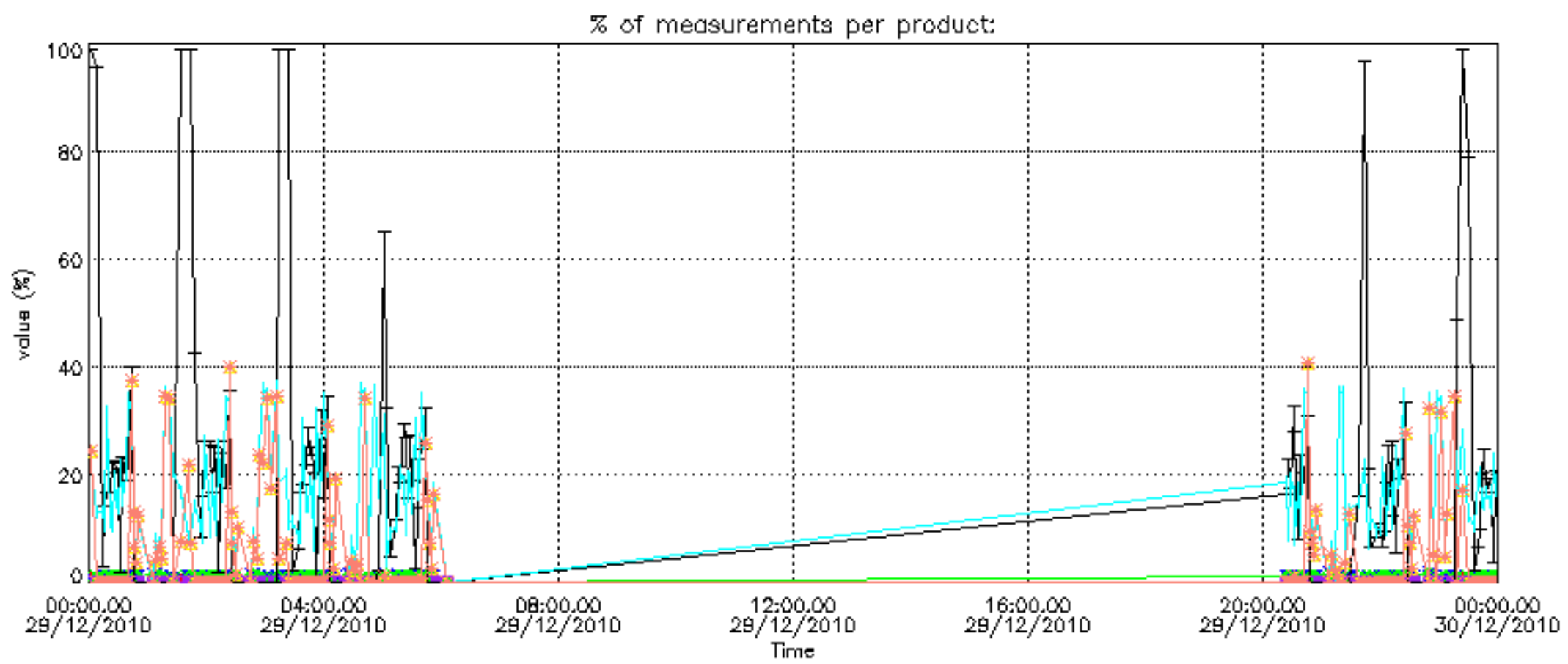
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	29-DEC-2010 00:01:13
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20101227_083101_20101226_000000_20500101_000000	1	29-DEC-2010 00:01:13
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	29-DEC-2010 00:01:13
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	29-DEC-2010 00:01:13
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	29-DEC-2010 00:01:13
ECMWF_FILE	AUX_ECF_AXNECM20101228_054115_20101228_210000_20101229_090000	1	29-DEC-2010 00:01:13
ECMWF_FILE	AUX_ECF_AXNECM20101228_172117_20101229_030000_20101229_150000	79	29-DEC-2010 04:27:59
ECMWF_FILE	AUX_ECF_AXNECM20101229_054114_20101229_150000_20101230_030000	108	29-DEC-2010 20:23:56
ECMWF_FILE	AUX_ECF_AXNECM20101229_054115_20101229_210000_20101230_090000	129	29-DEC-2010 21:35:01
OPTIONAL_ECMWF_FILE	MISSING	1	29-DEC-2010 00:01:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101228_235020_000057383098_00030_46165_2222.N1	1	29-DEC-2010 00:01:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101229_013117_000038253098_00031_46166_2223.N1	27	29-DEC-2010 01:32:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101229_024021_000060573098_00032_46167_2224.N1	49	29-DEC-2010 02:46:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101229_042637_000057383098_00033_46168_2225.N1	79	29-DEC-2010 04:27:59
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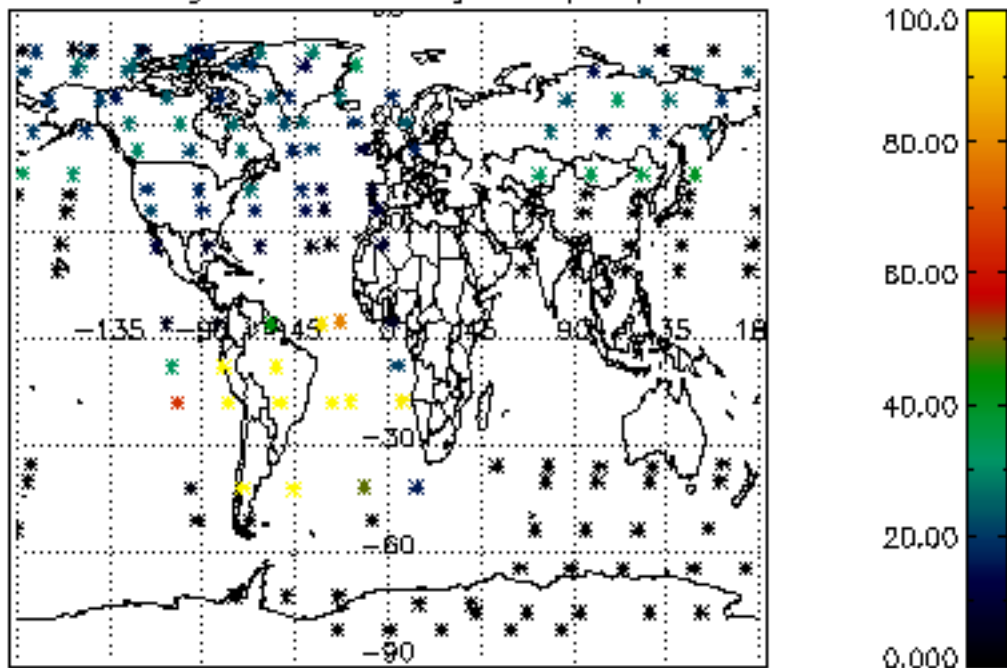




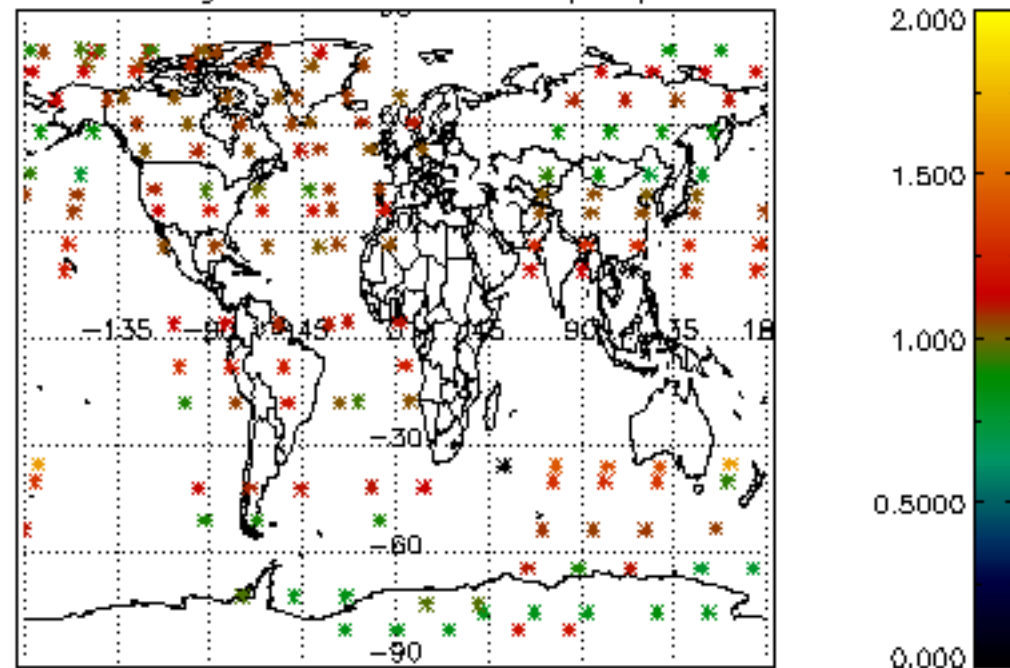




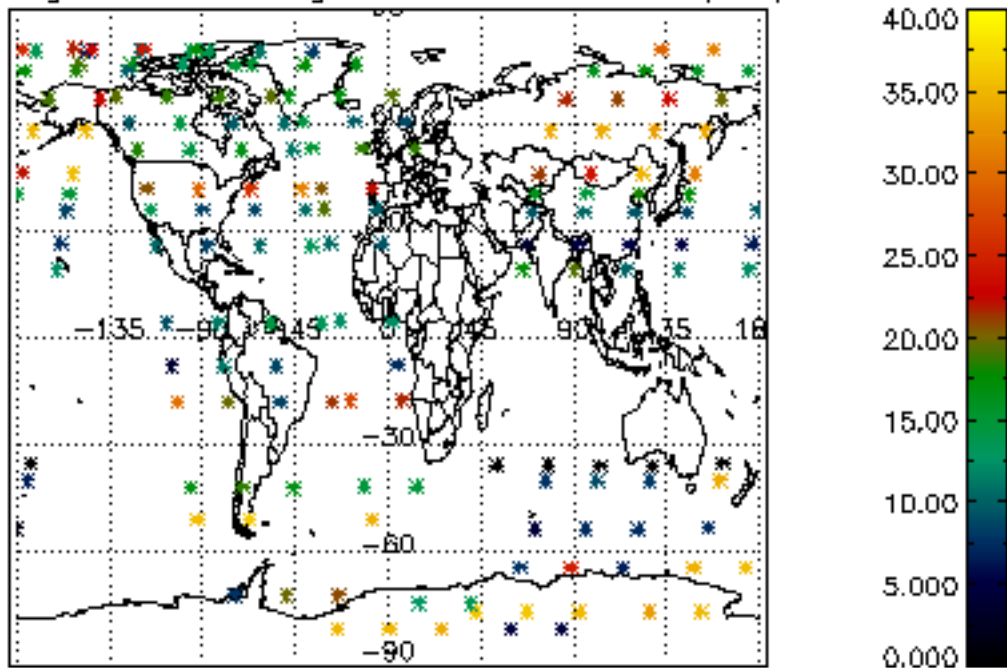
Percentage of cosmic ray hits per profile



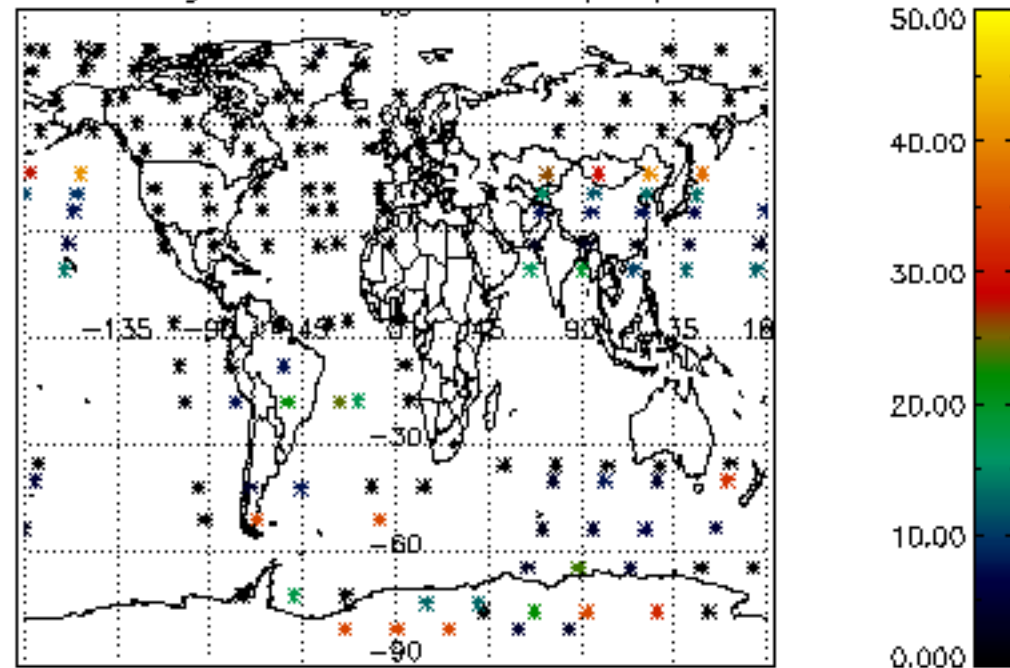
Percentage of datation errors per profile



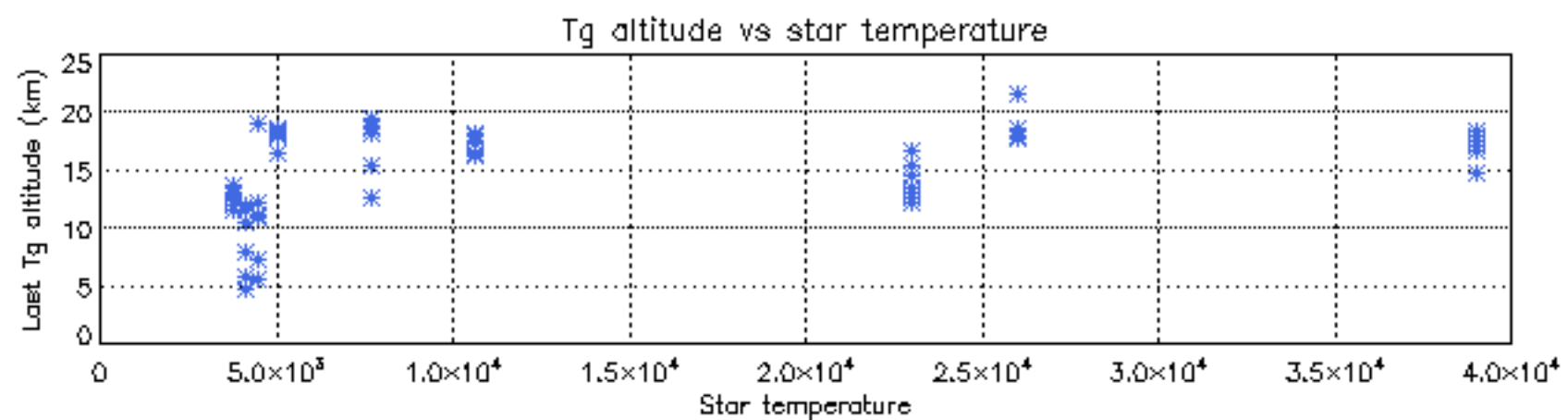
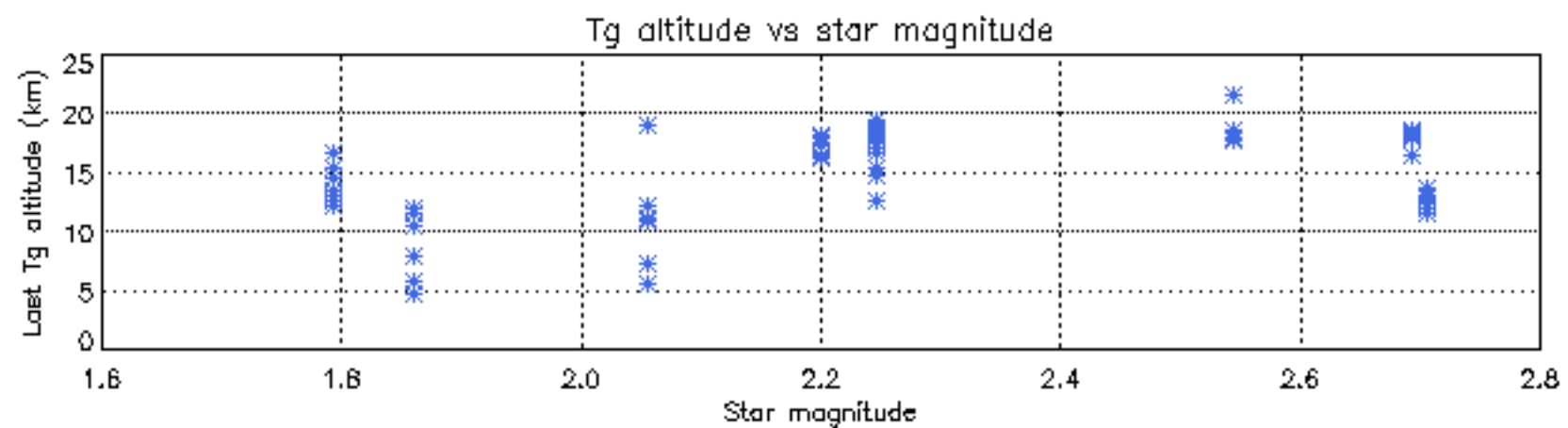
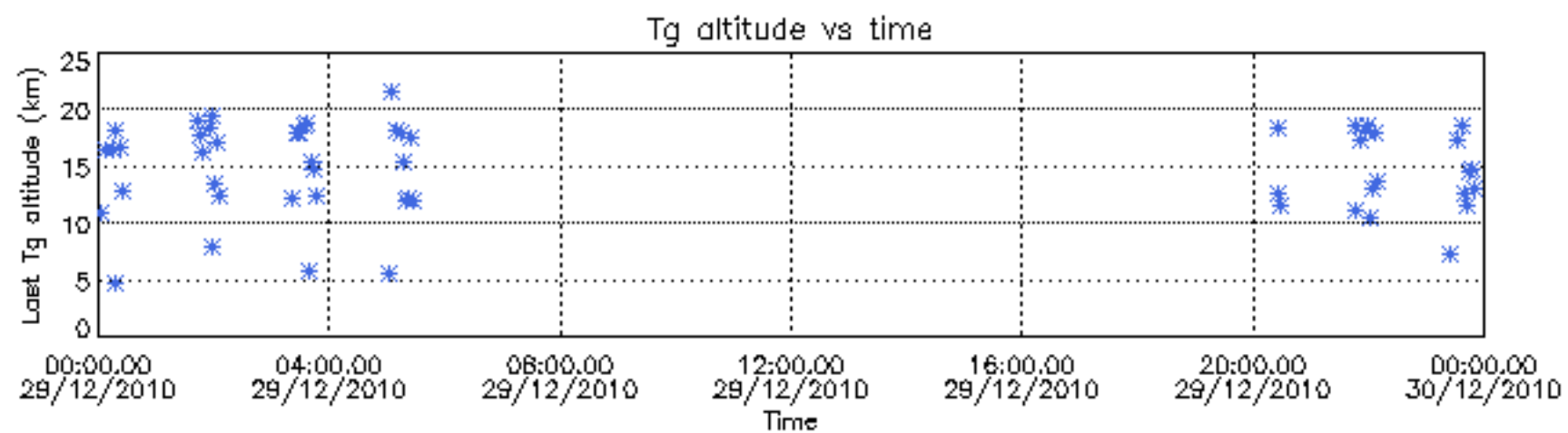
Percentage of star falling outside central band per profile



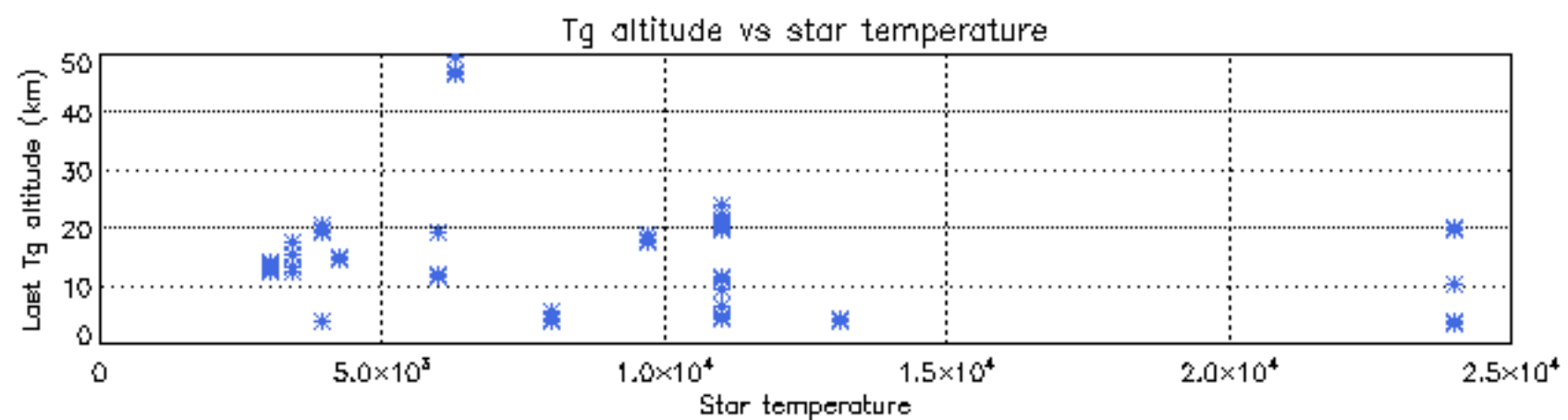
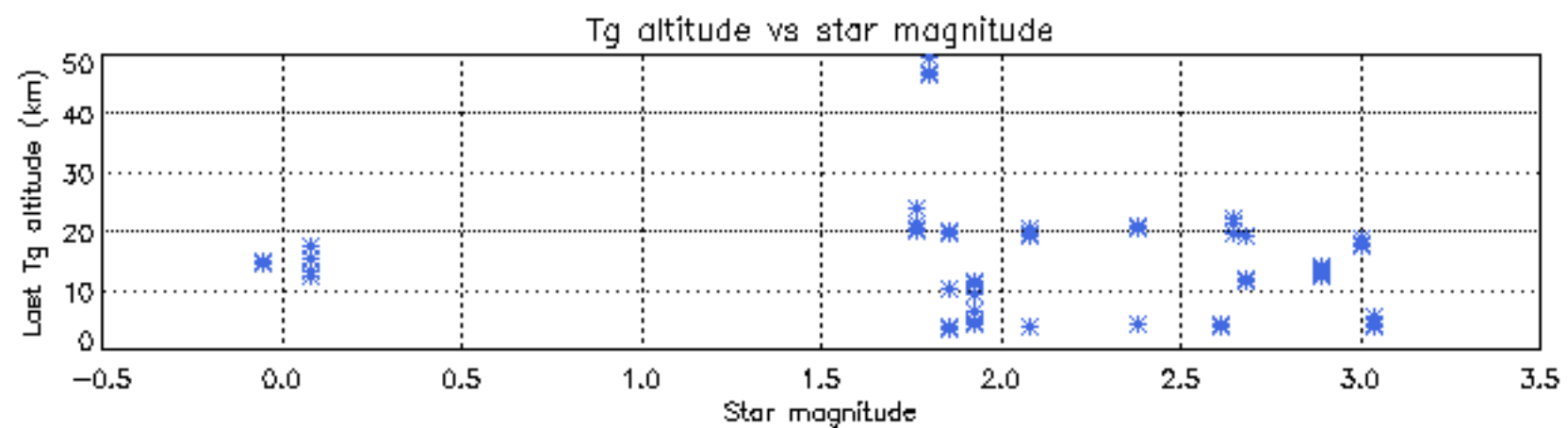
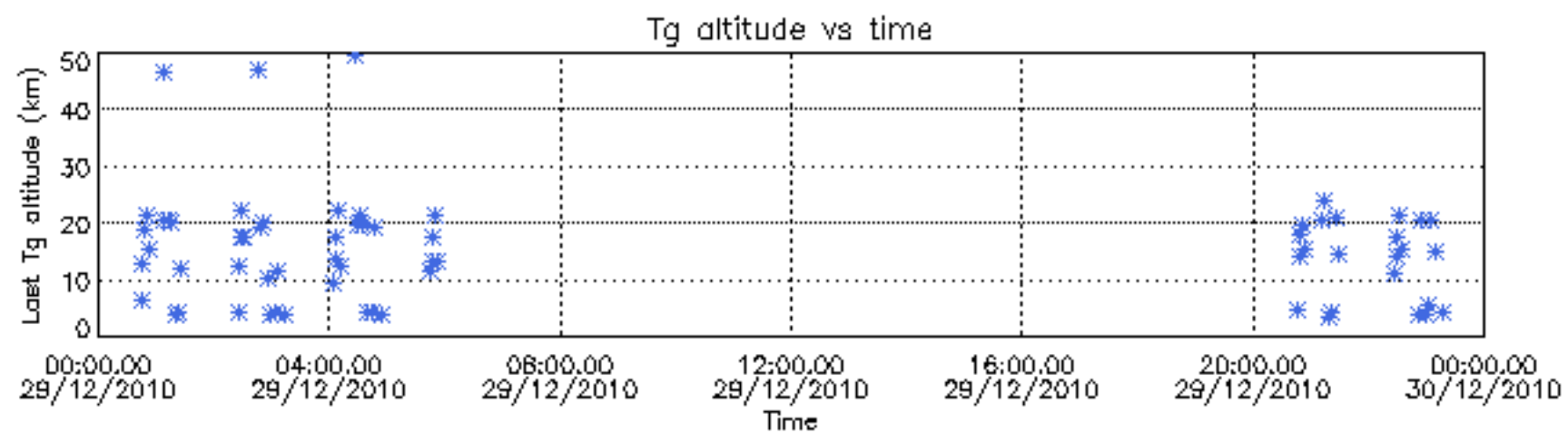
Percentage of saturation errors per profile

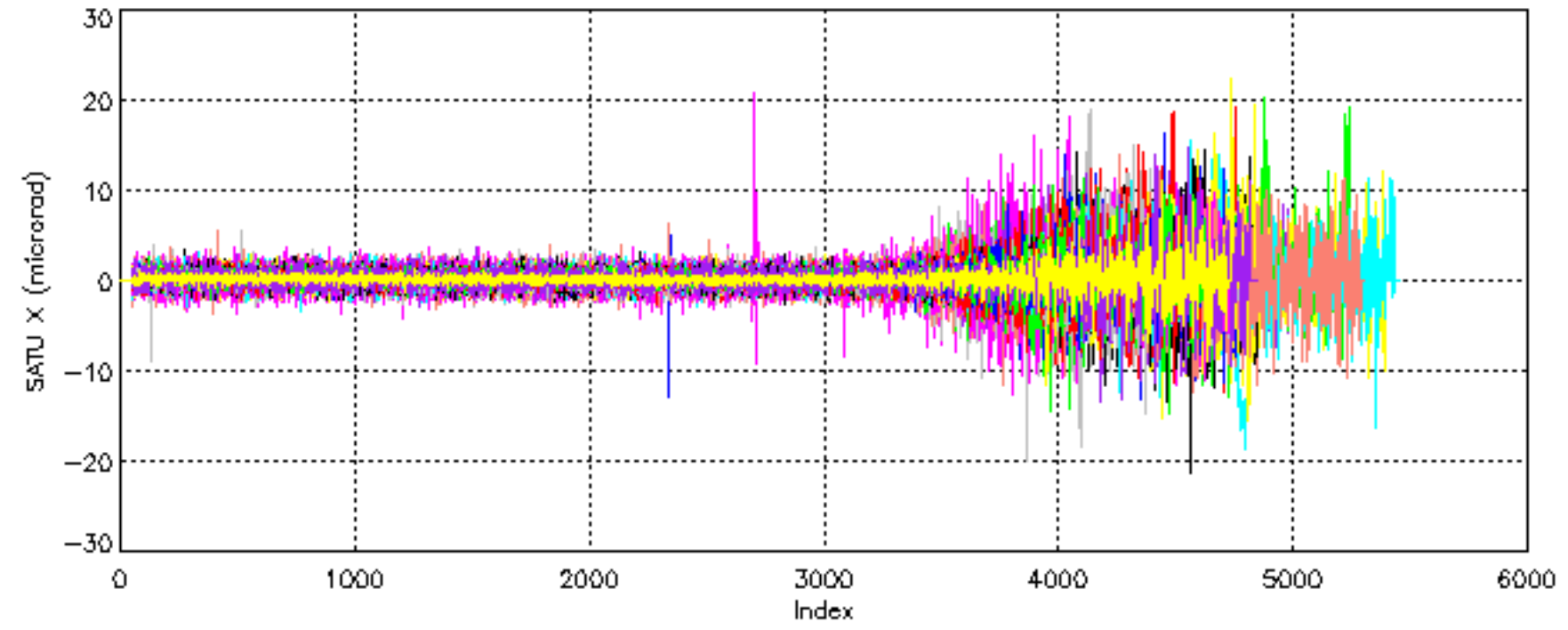


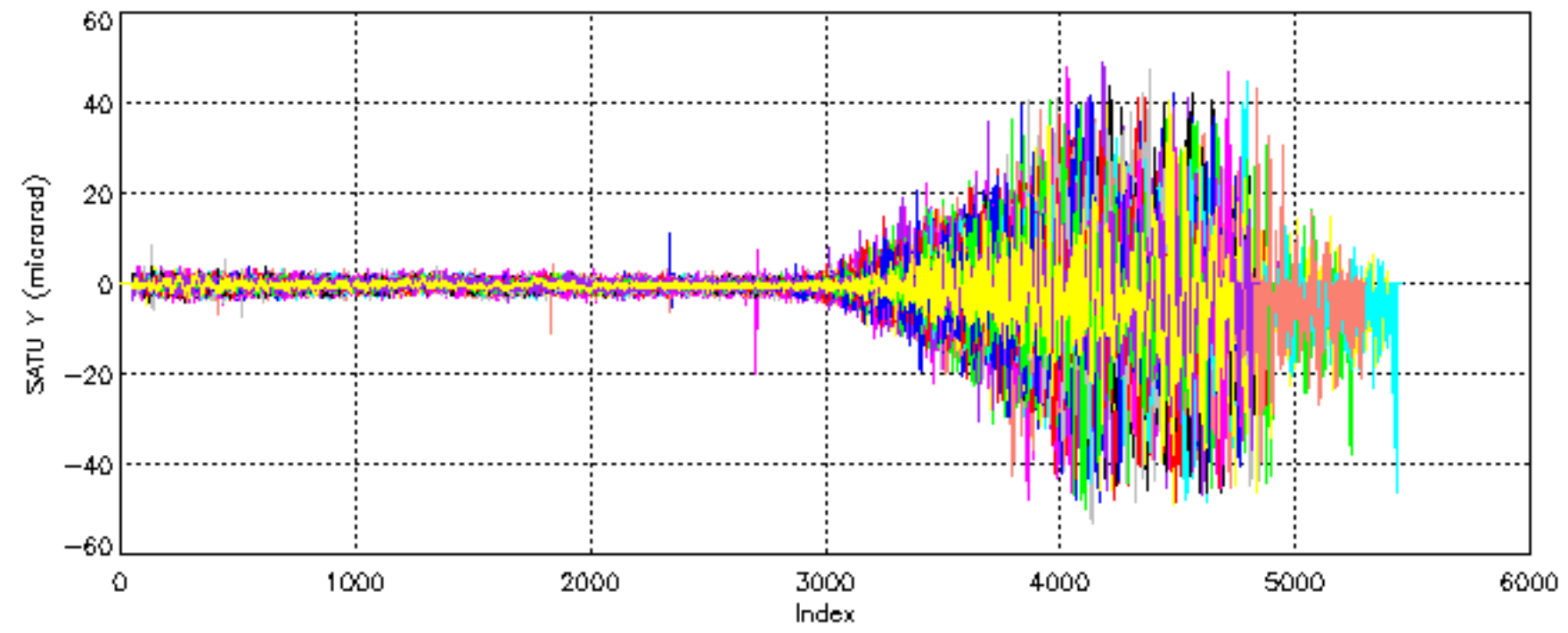
Tangent altitude at which the star is lost

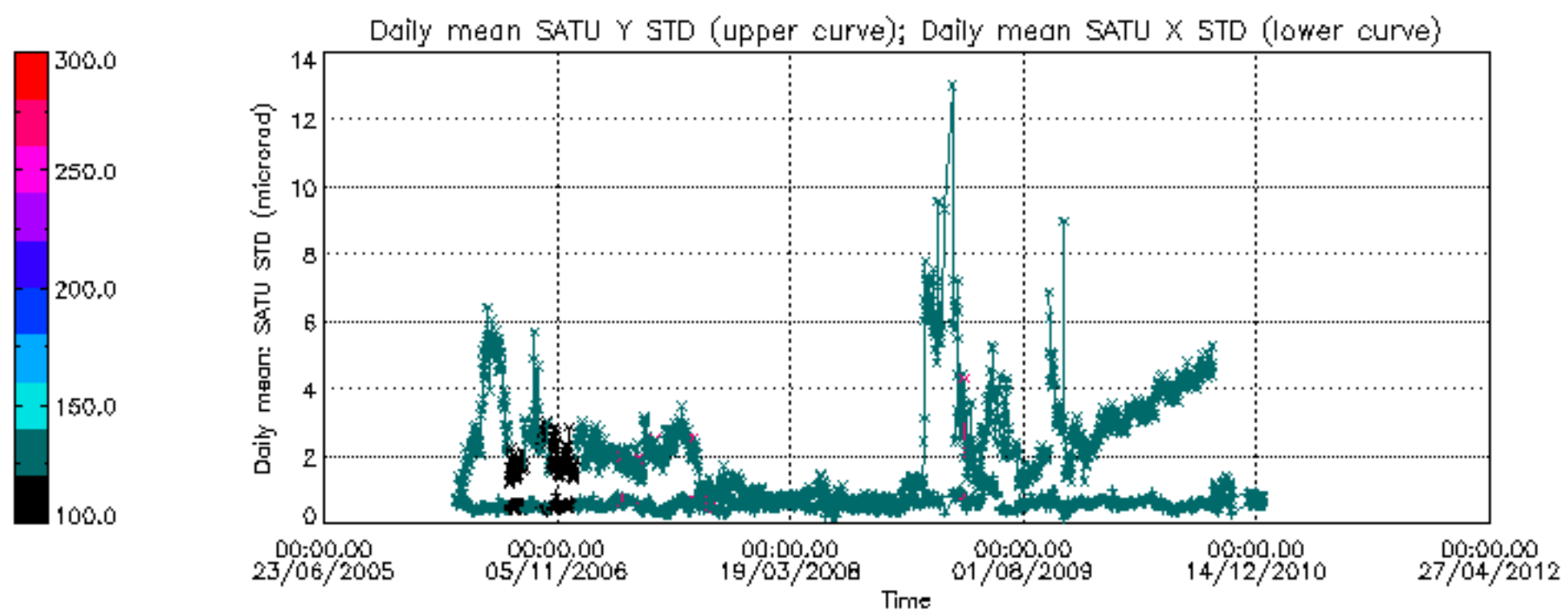


Tangent altitude at which the star is lost









```

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 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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13;	2824.2;	01-DEC-2010	21:22:09;	Bright;	51.0;	6;	13Alp Aur	; 0.08;	3400;occ;	102;	0;	45776
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18;	4161.7;	01-DEC-2010	21:44:27;	Bright;	35.0;	174;	52Psi UMa	; 3.00;	4400;occ;	70;	0;	45776
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17;	2720.2;	01-DEC-2010	23:00:39;	Bright;	35.5;	175;	39Del Per	; 3.01;	19400;occ;	71;	0;	45777
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13;	2930.3;	01-DEC-2010	19:43:41;	Bright;		49.5;	42;	34Bet Aur	;	1.90;	10200;occ;	99;	0;	45775
14;	3797.5;	01-DEC-2010	19:58:09;	Bright;		42.5;	36;	50Alp UMa	;	1.80;	6300;occ;	85;	0;	45775
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18;	4327.0;	01-DEC-2010	20:06:58;	Bright;		39.0;	152;	12Alp2CVn	;	2.89;	11000;occ;	78;	0;	45775
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22;	5538.2;	01-DEC-2010	20:27:09;	Dark	;	47.5;	171;	2Eps Crv	;	3.00;	4250;occ;	95;	0;	45775
23;	6104.4;	01-DEC-2010	20:36:36;	Dark	;	42.0;	113;	Mu Vel	;	2.69;	5000;occ;	84;	0;	45776
24;	6428.9;	01-DEC-2010	20:42:00;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	45776
25;	6620.3;	01-DEC-2010	20:45:11;	Dark	;	52.5;	34;	Gam2Vel	;	1.79;	23000;occ;	105;	0;	45776
26;	6818.2;	01-DEC-2010	20:48:29;	Dark	;	49.0;	2;	Alp Car	;	-0.74;	7000;occ;	98;	0;	45776

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8;	1525.7;	02-DEC-2010	02:01:13;	Dark	;	54.5;	101;	11Alp Lep	;	2.58;	7000;occ;	109;	0;	45779
9;	1738.6;	02-DEC-2010	02:04:46;	Dark	;	58.5;	7;	19Bet Ori	;	0.10;	14000;occ;	117;	0;	45779
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23; 4327.3; 02-DEC-2010 02:47:54; Bright; 40.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 81; 0;45779
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31; 6820.5; 02-DEC-2010 03:29:28; Dark ; 48.5; 2; Alp Car ;-0.74; 7000;occ; 97; 0;45780
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 24; 7216.7; 04-DEC-2010 15:44:29; Dark ; 43.5; 108; Alp Col ; 2.65; 15200;occ; 87; 0;45816

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 3; 2202.7; 04-DEC-2010 16:01:09; Dark ; 60.0; 13; 87Alp Tau ; 0.87; 3800;occ; 120; 0;45816
 4; 2308.6; 04-DEC-2010 16:02:55; Bright; 36.5; 146; 25Eta Tau ; 2.87; 15200;occ; 73; 0;45816
 5; 2446.9; 04-DEC-2010 16:05:13; Bright; 38.0; 150; 44Zet Per ; 2.89; 28000;occ; 76; 0;45816
 6; 2589.8; 04-DEC-2010 16:07:36; Bright; 37.5; 149; 45Eps Per ; 2.89; 30000;occ; 75; 0;45816
 7; 2713.9; 04-DEC-2010 16:09:40; Bright; 37.0; 175; 39Del Per ; 3.01; 19400;occ; 74; 0;45816
 8; 2800.1; 04-DEC-2010 16:11:06; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;45816
 9; 3782.5; 04-DEC-2010 16:27:29; Bright; 47.0; 36; 50Alp UMA ; 1.80; 6300;occ; 94; 0;45816
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 11; 3989.2; 04-DEC-2010 16:30:55; Bright; 38.5; 32; 77Eps UMA ; 1.76; 11000;occ; 77; 0;45816
 12; 4119.9; 04-DEC-2010 16:33:06; Bright; 39.0; 39; 85Eta UMA ; 1.85; 24000;occ; 78; 0;45816
 13; 4329.2; 04-DEC-2010 16:36:35; Bright; 41.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 82; 0;45816
 14; 4663.7; 04-DEC-2010 16:42:10; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;45816
 15; 4857.1; 04-DEC-2010 16:45:23; Bright; 42.5; 138; 47Eps Vir ; 2.83; 4700;occ; 85; 0;45816
 16; 5127.7; 04-DEC-2010 16:49:54; Bright; 47.5; 121; 29Gam Vir ; 2.74; 7200;occ; 95; 0;45816
 17; 5478.1; 04-DEC-2010 16:55:44; Dark ; 49.5; 100; 4Gam Crv ; 2.58; 13100;occ; 99; 0;45816
 18; 5574.1; 04-DEC-2010 16:57:20; Dark ; 51.0; 171; 2Eps Crv ; 3.00; 4250;occ; 102; 0;45816
 19; 6137.4; 04-DEC-2010 17:06:44; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45817
 20; 6463.1; 04-DEC-2010 17:12:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45817
 21; 6655.8; 04-DEC-2010 17:15:22; Dark ; 50.0; 34; Gam2Vel ; 1.79; 23000;occ; 100; 0;45817
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 23; 6964.7; 04-DEC-2010 17:20:31; Dark ; 60.0; 117; Pi Pup ; 2.71; 3800;occ; 120; 0;45817

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 19; 5478.9; 04-DEC-2010 18:35:59; Dark ; 50.0; 100; 4Gam Crv ; 2.58; 13100;occ; 100; 0;45817
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 21; 6138.3; 04-DEC-2010 18:46:59; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;45818
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13; 3781.5; 04-DEC-2010 19:47:56; Bright; 40.5; 36; 50Alp UMa ; 1.80; 6300;occ; 81; 0;45818
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19; 5128.9; 04-DEC-2010 20:10:23; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;45818
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21; 5575.7; 04-DEC-2010 20:17:50; Dark ; 50.0; 171; 2Eps Crv ; 3.00; 4250;occ; 100; 0;45818
22; 6138.9; 04-DEC-2010 20:27:13; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;45819
23; 6464.7; 04-DEC-2010 20:32:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45819
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Problem occurred when reading packet number 880!
Invalid integration number = 32!
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4; 2055.7; 05-DEC-2010 02:00:06; Dark ; 39.5; 27; 24Gam Ori ; 1.64; 26000;occ; 79; 31;45822
5; 2203.2; 05-DEC-2010 02:02:34; Dark ; 38.5; 13; 87Alp Tau ; 0.87; 3800;occ; 77; 21;45822
6; 2315.8; 05-DEC-2010 02:04:26; Bright; 37.5; 146; 25Eta Tau ; 2.87; 15200;occ; 75; 24;45822
7; 2445.6; 05-DEC-2010 02:06:36; Bright; 20.0; 150; 44Zet Per ; 2.89; 28000;occ; 40; 0;45822
8; 2553.5; 05-DEC-2010 02:08:24; Bright; 45.0; 114; 3Iot Aur ; 2.69; 4600;occ; 90; 47;45822
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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11; 3878.5; 05-DEC-2010 02:30:29; Bright; 43.5; 82; 48Bet UMa ; 2.37; 10600;occ; 87; 27;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
14; 4345.1; 05-DEC-2010 02:38:16; Bright; 41.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 83; 59;45822
15; 4694.6; 05-DEC-2010 02:44:05; Bright; 36.0; 111; 8Eta Boo ; 2.68; 6000;occ; 72; 59;45822
16; 4862.1; 05-DEC-2010 02:46:52; Bright; 23.5; 138; 47Eps Vir ; 2.83; 4700;occ; 47; 17;45822
17; 5131.6; 05-DEC-2010 02:51:22; Bright; 13.0; 121; 29Gam Vir ; 2.74; 7200;occ; 26; 0;45822
18; 5579.5; 05-DEC-2010 02:58:50; Dark ; 33.0; 171; 2Eps Crv ; 3.00; 4250;occ; 66; 37;45822
19; 6660.7; 05-DEC-2010 03:16:51; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 67;45823
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21; 7008.1; 05-DEC-2010 03:22:39; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 78;45823
22; 7219.1; 05-DEC-2010 03:26:10; Dark ; 44.0; 108; Alp Col ; 2.65; 15200;occ; 88; 32;45823
23; 7583.1; 05-DEC-2010 03:32:14; Dark ; 50.0; 101; 11Alp Lep ; 2.58; 7000;occ; 100; 75;45823
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26; 8214.9; 05-DEC-2010 03:42:45; Dark ; 59.5; 13; 87Alp Tau ; 0.87; 3800;occ; 119; 39;45823
27; 8321.8; 05-DEC-2010 03:44:32; Bright; 24.0; 146; 25Eta Tau ; 2.87; 15200;occ; 48; 0;45823
28; 8470.5; 05-DEC-2010 03:47:01; Bright; 22.5; 150; 44Zet Per ; 2.89; 28000;occ; 45; 29;45823
29; 8551.8; 05-DEC-2010 03:48:22; Bright; 44.5; 114; 3Iot Aur ; 2.69; 4600;occ; 89; 35;45823
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7; -1153.4; 05-DEC-2010 06:07:19; Bright; 52.0; 138; 47Eps Vir ; 2.83; 4700;occ; 104; 0;45824
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22; 2307.6; 05-DEC-2010 07:05:00; Bright; 37.5; 146; 25Eta Tau ; 2.87; 15200;occ; 75; 0;45825
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25; 2713.0; 05-DEC-2010 07:11:46; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45825
26; 2795.0; 05-DEC-2010 07:13:08; Bright; 48.0; 6; 13Alp Aur ; 0.08; 3400;occ; 96; 0;45825
27; 3778.8; 05-DEC-2010 07:29:31; Bright; 20.0; 36; 50Alp UMA ; 1.80; 6300;occ; 40; 0;45825
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9; 2444.0; 05-DEC-2010 20:29:09; Bright; 39.0; 150; 44Zet Per ; 2.89; 28000;occ; 78; 0;45833
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13; 3868.7; 05-DEC-2010 20:52:54; Bright; 47.0; 82; 48Bet UMA ; 2.37; 10600;occ; 94; 0;45833
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 15; 4330.6; 07-DEC-2010 14:46:26; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;45858
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 22; 5969.5; 07-DEC-2010 15:13:45; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;45858
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 27; 6995.8; 07-DEC-2010 15:30:51; Dark ; 61.5; 117; Pi Pup ; 2.71; 3800;occ; 123; 0;45859
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 15; 4330.7; 07-DEC-2010 16:26:40; Bright; 40.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 81; 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
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 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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 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
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 23; 6489.1; 14-DEC-2010 09:25:05; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;45956
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17; 2061.0; 15-DEC-2010 22:36:40; Dark ; 59.5; 14; 58Alp Ori ; 0.87; 3000;occ; 119; 0;45978
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19; 2310.6; 15-DEC-2010 22:40:49; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;45978
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21; 2649.2; 15-DEC-2010 22:46:28; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;45978
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25; 4001.6; 15-DEC-2010 23:09:00; Bright; 44.5; 55; 79Zet UMa ; 2.06; 10200;occ; 89; 0;45978
26; 4116.5; 15-DEC-2010 23:10:55; Bright; 58.0; 39; 85Eta UMa ; 1.85; 24000;occ; 116; 0;45978
27; 4316.6; 15-DEC-2010 23:14:15; Bright; 42.0; 180; 27Gam Boo ; 3.04; 8000;occ; 84; 0;45978
28; 4508.8; 15-DEC-2010 23:17:28; Bright; 54.0; 83; ; 2.38; 11000;occ; 108; 0;45978
29; 4707.0; 15-DEC-2010 23:20:46; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;45978
30; 4943.2; 15-DEC-2010 23:24:42; Bright; 52.5; 138; 47Eps Vir ; 2.83; 4700;occ; 105; 0;45978
31; 5300.8; 15-DEC-2010 23:30:39; Dark ; 38.5; 15; 67Alp Vir ; 0.98; 28000;occ; 77; 0;45978
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 5; -64.7; 15-DEC-2010 23:41:28; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;45978
 6; 32.7; 15-DEC-2010 23:43:05; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;45979
 7; 262.3; 15-DEC-2010 23:46:55; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45979
 8; 489.3; 15-DEC-2010 23:50:42; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;45979
 9; 576.9; 15-DEC-2010 23:52:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45979
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12; 1057.7; 16-DEC-2010 00:00:10; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;45979
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14; 1525.3; 16-DEC-2010 00:07:58; Dark ; 50.5; 47; 2Bet CMa ; 1.98; 28000;occ; 101; 0;45979
15; 1737.9; 16-DEC-2010 00:11:30; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;45979
16; 1872.4; 16-DEC-2010 00:13:45; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;45979
17; 2060.7; 16-DEC-2010 00:16:53; Dark ; 67.0; 14; 58Alp Ori ; 0.87; 3000;occ; 134; 0;45979
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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
23; 3685.9; 16-DEC-2010 00:43:59; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;45979
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
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 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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 6;-1309.9; 15-DEC-2010 06:38:23; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;45968
 7;-1077.3; 15-DEC-2010 06:42:15; Bright; 49.0; 138; 47Eps Vir ; 2.83; 4700;occ; 98; 0;45968
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 9; -511.0; 15-DEC-2010 06:51:41; Dark ; 47.5; 169; 46Gam Hya ; 2.99; 4700;occ; 95; 0;45968
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 11; -273.7; 15-DEC-2010 06:55:39; Dark ; 56.5; 171; 2Eps Crv ; 3.00; 4250;occ; 113; 0;45968
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 13; 26.0; 15-DEC-2010 07:00:38; Dark ; 43.0; 99; Del Cen ; 2.58; 26000;occ; 86; 0;45969
 14; 253.3; 15-DEC-2010 07:04:26; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;45969
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 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
 20; 1248.1; 15-DEC-2010 07:21:01; Dark ; 55.0; 23; 21Eps CMA ; 1.50; 26000;occ; 110; 0;45969
 21; 1524.0; 15-DEC-2010 07:25:36; Dark ; 55.0; 47; 2Bet CMA ; 1.98; 28000;occ; 110; 0;45969

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 5; 2177.9; 15-DEC-2010 07:36:30; Dark ; 47.5; 13; 87Alp Tau ; 0.87; 3800;occ; 95; 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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 22; 6040.7; 15-DEC-2010 08:40:53; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;45970
 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
 25; 6584.1; 15-DEC-2010 08:49:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45970
 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
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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
 5; 2314.2; 15-DEC-2010 09:19:01; Bright; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;45970
 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
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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
22; 6498.5; 15-DEC-2010 10:28:45; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;45971
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
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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
6; 2313.7; 15-DEC-2010 10:59:14; Bright; 48.5; 176; 23Zet Tau ; 3.02; 22000;occ; 97; 0;45971
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14; 4507.8; 15-DEC-2010 11:35:48; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 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
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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
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27; 7067.9; 15-DEC-2010 12:18:28; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;45972
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5; -56.6; 16-DEC-2010 21:24:38; Dark ; 42.5; 64; Gam Cen ; 2.20; 10600;occ; 85; 0;45991
6; 41.7; 16-DEC-2010 21:26:17; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;45992
7; 273.8; 16-DEC-2010 21:30:09; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45992
8; 497.5; 16-DEC-2010 21:33:52; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;45992
9; 586.6; 16-DEC-2010 21:35:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45992
10; 776.7; 16-DEC-2010 21:38:32; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;45992
11; 904.0; 16-DEC-2010 21:40:39; Dark ; 52.5; 70; Zet Pup ; 2.25; 39000;occ; 105; 0;45992
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13; 1257.7; 16-DEC-2010 21:46:33; Dark ; 53.5; 23; 21Eps CMA ; 1.50; 26000;occ; 107; 0;45992
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15; 1527.0; 16-DEC-2010 21:51:02; Dark ; 50.5; 47; 2Bet CMA ; 1.98; 28000;occ; 101; 0;45992
16; 1738.5; 16-DEC-2010 21:54:33; Dark ; 47.0; 7; 19Bet Ori ; 0.10; 14000;occ; 94; 0;45992
17; 1871.0; 16-DEC-2010 21:56:46; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;45992
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21; 2428.2; 16-DEC-2010 22:06:03; Bright; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;45992
22; 2640.4; 16-DEC-2010 22:09:35; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;45992
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26; 4115.6; 16-DEC-2010 22:34:11; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;45992
27; 4317.9; 16-DEC-2010 22:37:33; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;45992
28; 4511.2; 16-DEC-2010 22:40:46; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;45992
29; 4711.4; 16-DEC-2010 22:44:06; Bright; 61.0; 111; 8Eta Boo ; 2.68; 6000;occ; 122; 0;45992
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3; -241.9; 16-DEC-2010 23:01:47; Dark ; 35.0; 171; 2Eps Crv ; 3.00; 4250;occ; 70; 0;45992
4; -56.0; 16-DEC-2010 23:04:53; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;45992
5; 42.5; 16-DEC-2010 23:06:31; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;45993
6; 274.6; 16-DEC-2010 23:10:24; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45993
7; 498.0; 16-DEC-2010 23:14:07; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;45993
8; 587.3; 16-DEC-2010 23:15:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45993
9; 777.5; 16-DEC-2010 23:18:46; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;45993
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11; 1065.4; 16-DEC-2010 23:23:34; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;45993
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13; 1363.9; 16-DEC-2010 23:28:33; Dark ; 34.0; 179; 240mi2CMA ; 3.03; 24000;occ; 68; 0;45993
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15; 1738.4; 16-DEC-2010 23:34:47; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;45993
16; 1871.0; 16-DEC-2010 23:37:00; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;45993
17; 2056.0; 16-DEC-2010 23:40:05; Dark ; 59.0; 14; 58Alp Ori ; 0.87; 3000;occ; 118; 0;45993
18; 2176.2; 16-DEC-2010 23:42:05; Dark ; 46.5; 13; 87Alp Tau ; 0.87; 3800;occ; 93; 0;45993

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 21; 2639.9; 16-DEC-2010 23:49:49; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;45993
 22; 2770.5; 16-DEC-2010 23:51:59; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;45993
 23; 3685.5; 17-DEC-2010 00:07:14; Bright; 33.0; 60; 7Bet UMi ; 2.08; 3950;occ; 66; 0;45993
 24; 3958.6; 17-DEC-2010 00:11:48; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;45993
 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
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 19; 1204.1; 16-DEC-2010 08:23:47; Dark ; 34.0; 88; 31Eta CMa ; 2.45; 20000;occ; 68; 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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 6; 2431.4; 16-DEC-2010 08:44:14; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;45984
 7; 2645.6; 16-DEC-2010 08:47:48; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;45984
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 9; 3685.8; 16-DEC-2010 09:05:09; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;45984
 10; 3960.7; 16-DEC-2010 09:09:44; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;45984
 11; 4116.4; 16-DEC-2010 09:12:19; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;45984
 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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 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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 22; 6281.6; 16-DEC-2010 09:48:24; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45985
 23; 6507.0; 16-DEC-2010 09:52:10; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;45985
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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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23; 6282.4; 16-DEC-2010 11:28:39; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45986
24; 6507.7; 16-DEC-2010 11:32:24; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;45986
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26; 6786.7; 16-DEC-2010 11:37:04; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;45986
27; 6913.6; 16-DEC-2010 11:39:10; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;45986
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29; 7219.1; 16-DEC-2010 11:44:16; Dark ; 38.0; 88; 31Eta CMA ; 2.45; 20000;occ; 76; 0;45986
30; 7310.3; 16-DEC-2010 11:45:47; Dark ; 58.0; 37; 25Del CMA ; 1.83; 5900;occ; 116; 0;45986
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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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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13; 4317.3; 16-DEC-2010 12:36:08; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;45986
14; 4510.3; 16-DEC-2010 12:39:21; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 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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13; 3959.8; 16-DEC-2010 17:30:53; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;45989
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26; 7397.7; 21-DEC-2010 08:43:36; Dark ; 50.0; 179; 24Omi2CMa ; 3.03; 24000;occ; 100; 0;46056
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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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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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7; 1866.6; 24-DEC-2010 18:43:07; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;46105

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8;	2030.7;	24-DEC-2010	18:45:51;	Dark ;	59.0;	14;	58Alp Ori ;	0.87;	3000;occ;	118;	0;	46105
9;	2272.5;	24-DEC-2010	18:49:53;	Bright;	41.0;	176;	23Zet Tau ;	3.02;	22000;occ;	82;	0;	46105
10;	2397.1;	24-DEC-2010	18:51:57;	Bright;	41.0;	28;	12Bet Tau ;	1.65;	15200;occ;	82;	0;	46105
11;	2585.4;	24-DEC-2010	18:55:05;	Bright;	44.5;	107;	37The Aur ;	2.65;	11000;occ;	89;	0;	46105
12;	2691.8;	24-DEC-2010	18:56:52;	Bright;	43.0;	6;	13Alp Aur ;	0.08;	3400;occ;	86;	0;	46105
13;	3680.5;	24-DEC-2010	19:13:21;	Bright;	54.0;	60;	7Bet UMi ;	2.08;	3950;occ;	108;	0;	46105
14;	3928.2;	24-DEC-2010	19:17:28;	Bright;	46.5;	32;	77Eps UMa ;	1.76;	11000;occ;	93;	0;	46105
15;	4104.8;	24-DEC-2010	19:20:25;	Bright;	43.5;	39;	85Eta UMa ;	1.85;	24000;occ;	87;	0;	46105
16;	4326.5;	24-DEC-2010	19:24:07;	Bright;	39.5;	180;	27Gam Boo ;	3.04;	8000;occ;	79;	0;	46105
17;	4531.7;	24-DEC-2010	19:27:32;	Bright;	39.0;	83;	;	2.38;	11000;occ;	78;	0;	46105
18;	4752.3;	24-DEC-2010	19:31:12;	Bright;	68.0;	111;	8Eta Boo ;	2.68;	6000;occ;	136;	0;	46105
19;	5276.0;	24-DEC-2010	19:39:56;	Bright;	37.0;	122;	9Alp2Lib ;	2.75;	9700;occ;	74;	0;	46105
20;	5410.6;	24-DEC-2010	19:42:11;	Dark ;	59.5;	15;	67Alp Vir ;	0.98;	28000;occ;	119;	0;	46105
21;	5674.4;	24-DEC-2010	19:46:35;	Dark ;	44.5;	54;	5The Cen ;	2.06;	4500;occ;	89;	0;	46105
22;	5794.1;	24-DEC-2010	19:48:34;	Dark ;	44.0;	123;	Iot Cen ;	2.75;	10200;occ;	88;	0;	46105
23;	6035.7;	24-DEC-2010	19:52:36;	Dark ;	43.0;	64;	Gam Cen ;	2.20;	10600;occ;	86;	0;	46106
24;	6131.4;	24-DEC-2010	19:54:11;	Dark ;	59.5;	0;	;	0.00;	0;occ;	119;	0;	46106
25;	6391.1;	24-DEC-2010	19:58:31;	Dark ;	50.5;	113;	Mu Vel ;	2.69;	5000;occ;	101;	0;	46106
26;	6579.9;	24-DEC-2010	20:01:40;	Dark ;	42.5;	71;	Iot Car ;	2.25;	7700;occ;	85;	0;	46106
27;	6684.2;	24-DEC-2010	20:03:24;	Dark ;	56.5;	41;	Eps Car ;	1.86;	4100;occ;	113;	0;	46106
28;	6769.1;	24-DEC-2010	20:04:49;	Dark ;	58.5;	65;	Lam Vel ;	2.20;	4400;occ;	117;	0;	46106
29;	6865.0;	24-DEC-2010	20:06:25;	Dark ;	46.0;	34;	Gam2Vel ;	1.79;	23000;occ;	92;	0;	46106
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2;	-338.0;	25-DEC-2010	00:47:18;	Dark ;	47.5;	54;	5The Cen ;	2.06;	4500;occ;	95;	0;	46108
3;	23.9;	25-DEC-2010	00:53:20;	Dark ;	42.0;	64;	Gam Cen ;	2.20;	10600;occ;	84;	0;	46109
4;	120.0;	25-DEC-2010	00:54:56;	Dark ;	59.5;	0;	;	0.00;	0;occ;	119;	0;	46109
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6;	567.5;	25-DEC-2010	01:02:24;	Dark ;	41.0;	71;	Iot Car ;	2.25;	7700;occ;	82;	0;	46109
7;	671.5;	25-DEC-2010	01:04:08;	Dark ;	55.0;	41;	Eps Car ;	1.86;	4100;occ;	110;	0;	46109
8;	757.5;	25-DEC-2010	01:05:34;	Dark ;	58.5;	65;	Lam Vel ;	2.20;	4400;occ;	117;	0;	46109
9;	983.3;	25-DEC-2010	01:09:19;	Dark ;	50.0;	70;	Zet Pup ;	2.25;	39000;occ;	100;	0;	46109
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11;	1300.6;	25-DEC-2010	01:14:37;	Dark ;	50.0;	23;	21Eps CMa ;	1.50;	26000;occ;	100;	0;	46109
12;	1398.4;	25-DEC-2010	01:16:14;	Dark ;	48.0;	179;	240mi2CMa ;	3.03;	24000;occ;	96;	0;	46109
13;	1557.9;	25-DEC-2010	01:18:54;	Dark ;	55.0;	1;	9Alp CMa ;	-1.44;	11000;occ;	110;	0;	46109
14;	1746.8;	25-DEC-2010	01:22:03;	Dark ;	48.5;	7;	19Bet Ori ;	0.10;	14000;occ;	97;	0;	46109
15;	1866.5;	25-DEC-2010	01:24:03;	Dark ;	45.5;	30;	46Eps Ori ;	1.69;	30000;occ;	91;	0;	46109
16;	2030.0;	25-DEC-2010	01:26:46;	Dark ;	56.5;	14;	58Alp Ori ;	0.87;	3000;occ;	113;	0;	46109
17;	2271.5;	25-DEC-2010	01:30:48;	Bright;	41.0;	176;	23Zet Tau ;	3.02;	22000;occ;	82;	0;	46109
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19;	2583.8;	25-DEC-2010	01:36:00;	Bright;	39.0;	107;	37The Aur ;	2.65;	11000;occ;	78;	0;	46109
20;	2690.9;	25-DEC-2010	01:37:47;	Bright;	42.5;	6;	13Alp Aur ;	0.08;	3400;occ;	85;	0;	46109
21;	3680.3;	25-DEC-2010	01:54:16;	Bright;	38.0;	60;	7Bet UMi ;	2.08;	3950;occ;	76;	0;	46109
22;	3926.7;	25-DEC-2010	01:58:23;	Bright;	47.0;	32;	77Eps UMa ;	1.76;	11000;occ;	94;	0;	46109
23;	4104.2;	25-DEC-2010	02:01:20;	Bright;	43.0;	39;	85Eta UMa ;	1.85;	24000;occ;	86;	0;	46109
24;	4326.4;	25-DEC-2010	02:05:02;	Bright;	37.5;	180;	27Gam Boo ;	3.04;	8000;occ;	75;	0;	46109
25;	4532.3;	25-DEC-2010	02:08:28;	Bright;	58.0;	83;	;	2.38;	11000;occ;	116;	0;	46109
26;	4754.1;	25-DEC-2010	02:12:10;	Bright;	46.5;	111;	8Eta Boo ;	2.68;	6000;occ;	93;	0;	46109
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2;	-599.4;	25-DEC-2010	02:23:11;	Dark ;	53.5;	15;	67Alp Vir ;	0.98;	28000;occ;	107;	0;	46109
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4;	-216.7;	25-DEC-2010	02:29:33;	Dark ;	43.5;	123;	Iot Cen ;	2.75;	10200;occ;	87;	0;	46109
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6;	120.8;	25-DEC-2010	02:35:11;	Dark ;	59.5;	0;	;	0.00;	0;occ;	119;	0;	46110
7;	380.6;	25-DEC-2010	02:39:31;	Dark ;	46.5;	113;	Mu Vel ;	2.69;	5000;occ;	93;	0;	46110
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9;	672.1;	25-DEC-2010	02:44:22;	Dark ;	45.5;	41;	Eps Car ;	1.86;	4100;occ;	91;	0;	46110
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11;	853.2;	25-DEC-2010	02:47:23;	Dark ;	44.5;	34;	Gam2Vel ;	1.79;	23000;occ;	89;	0;	46110
12;	983.9;	25-DEC-2010	02:49:34;	Dark ;	51.5;	70;	Zet Pup ;	2.25;	39000;occ;	103;	0;	46110
13;	1123.3;	25-DEC-2010	02:51:53;	Dark ;	52.5;	117;	Pi Pup ;	2.71;	3800;occ;	105;	0;	46110
14;	1301.0;	25-DEC-2010	02:54:51;	Dark ;	47.5;	23;	21Eps CMa ;	1.50;	26000;occ;	95;	0;	46110
15;	1398.7;	25-DEC-2010	02:56:29;	Dark ;	49.0;	179;	240mi2CMa ;	3.03;	24000;occ;	98;	0;	46110
16;	1558.0;	25-DEC-2010	02:59:08;	Dark ;	52.0;	1;	9Alp CMa ;	-1.44;	11000;occ;	104;	0;	46110
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21; 2396.1; 25-DEC-2010 03:13:06; Bright; 41.0; 28; 12Bet Tau ; 1.65; 15200;occ; 82; 0;46110
22; 2583.5; 25-DEC-2010 03:16:13; Bright; 41.0; 107; 37The Aur ; 2.65; 11000;occ; 82; 0;46110
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 3;-1910.0; 25-DEC-2010 03:41:34; Bright; 62.0; 39; 85Eta UMa ; 1.85; 24000;occ; 124; 0;46110
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11; 25.3; 25-DEC-2010 04:13:49; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;46111
12; 121.7; 25-DEC-2010 04:15:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46111
13; 381.5; 25-DEC-2010 04:19:46; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;46111
14; 568.8; 25-DEC-2010 04:22:53; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;46111
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23; 1747.2; 25-DEC-2010 04:42:31; Dark ; 54.0; 7; 19Bet Ori ; 0.10; 14000;occ; 108; 0;46111
24; 1866.4; 25-DEC-2010 04:44:30; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;46111
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11; 26.1; 25-DEC-2010 05:54:04; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;46112
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14; 569.3; 25-DEC-2010 06:03:07; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46112
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23; 1747.2; 25-DEC-2010 06:22:45; Dark ; 52.5; 7; 19Bet Ori ; 0.10; 14000;occ; 105; 0;46112
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27; 2395.8; 25-DEC-2010 06:33:34; Bright; 41.5; 28; 12Bet Tau ; 1.65; 15200;occ; 83; 0;46112
28; 2582.8; 25-DEC-2010 06:36:41; Bright; 40.5; 107; 37The Aur ; 2.65; 11000;occ; 81; 0;46112
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19; 5803.8; 25-DEC-2010 15:51:32; Dark ; 44.5; 123; Iot Cen ; 2.75; 10200;occ; 89; 0;46117
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23; 3679.3; 26-DEC-2010 01:17:32; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;46123
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27; 4535.1; 26-DEC-2010 01:31:48; Bright; 58.0; 83; ; 2.38; 11000;occ; 116; 0;46123
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13;	3672.2;	31-DEC-2010	19:56:49;	Bright;	;	35.0;	60;	7Bet UMi	;	2.08;	3950;occ;	70;	0;	46206
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15;	4087.7;	31-DEC-2010	20:03:44;	Bright;	;	66.0;	39;	85Eta UMa	;	1.85;	24000;occ;	132;	0;	46206
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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