

GOMOS Daily Report 28-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	31DEC2010 05:05:50
Data source version	GOMOS/5.01
Start time of products	28DEC2010 00:02:57
Stop time of products	28DEC2010 23:54:26
Store outputs in DB	Yes
Nb of level 1b prods	164
Nb of prods with errors	1

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

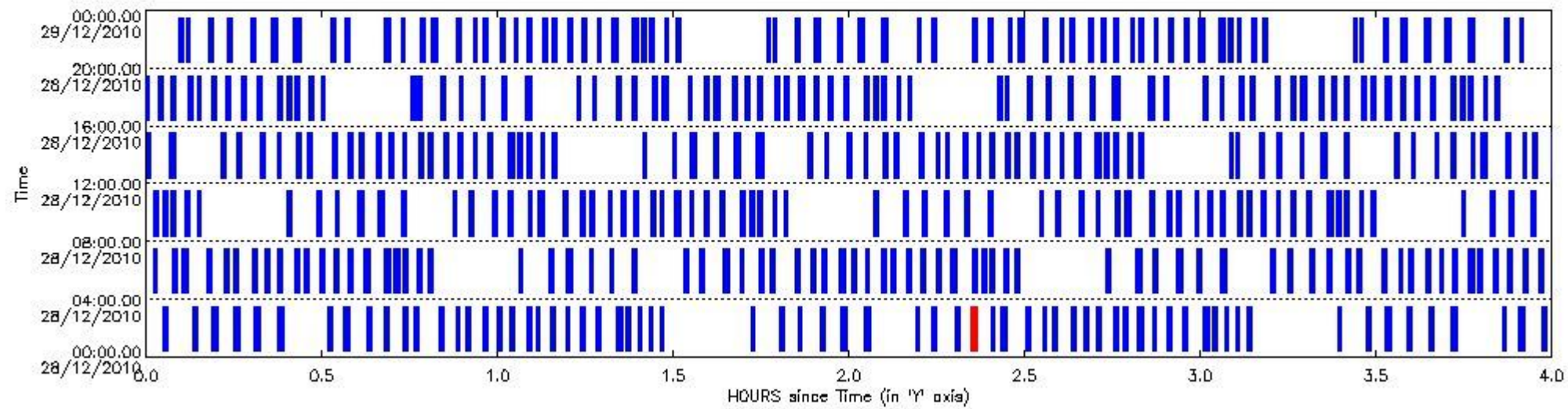
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

UTC start time	Star name	Star ID	Orbit
28-DEC-2010 02:20:49	ZetCen	95	46152

2.4 Summary of processed GOM_TRA_1P products

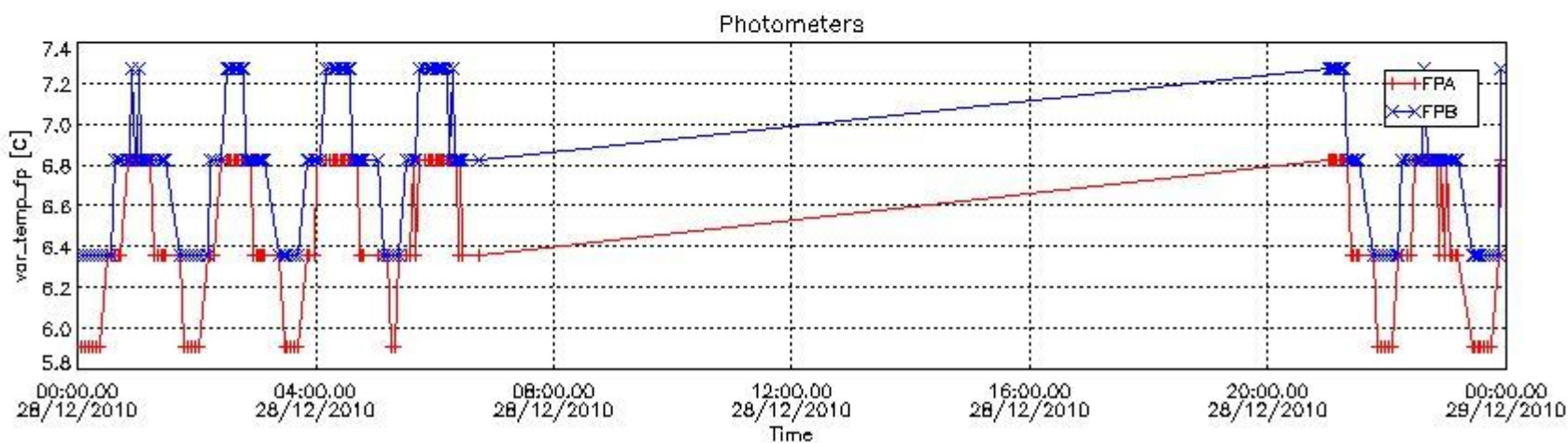
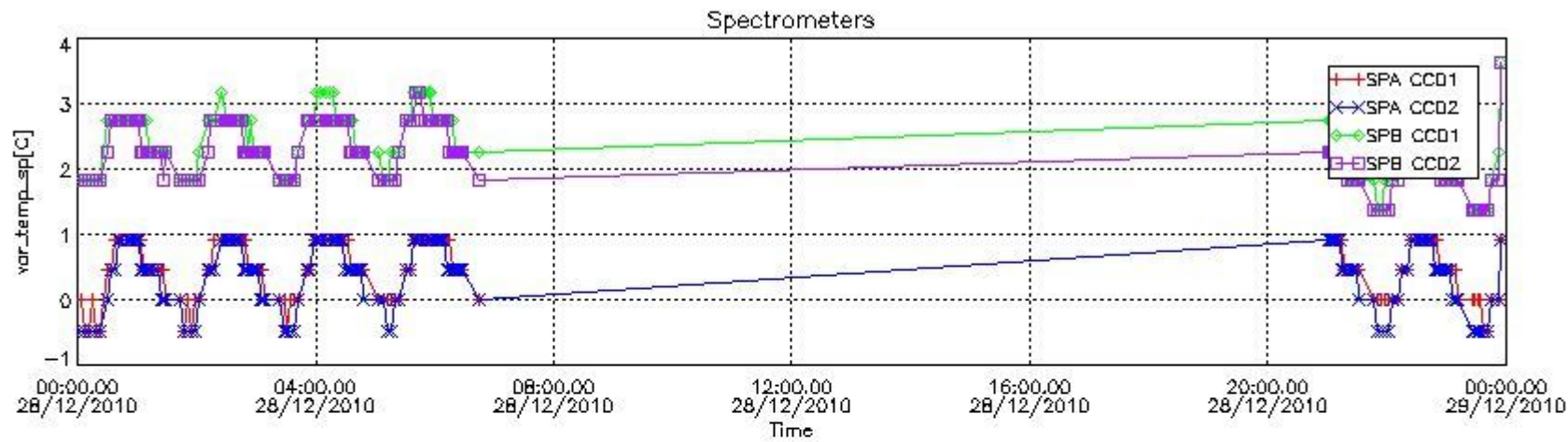
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20101228_000257_000000443098_00016_46151_9797.N1	28-DEC-2010 00:02:57	Bright	44.000	36	50Alp UMa	1.8000	6300.0	88	46151	No
2	GOM_TRA_1PNPDE20101228_000757_000000463098_00016_46151_9798.N1	28-DEC-2010 00:07:57	Bright	45.500	32	77Eps UMa	1.7630	11000.	91	46151	No
3	GOM_TRA_1PNPDE20101228_001103_000000643098_00016_46151_9799.N1	28-DEC-2010 00:11:03	Bright	64.000	39	85Eta UMa	1.8540	24000.	128	46151	No
4	GOM_TRA_1PNPDE20101228_001454_000000603098_00016_46151_9800.N1	28-DEC-2010 00:14:54	Bright	60.000	180	27Gam Boo	3.0400	8000.0	120	46151	No
5	GOM_TRA_1PNPDE20101228_001825_000000593098_00016_46151_9801.N1	28-DEC-2010 00:18:25	Bright	59.000	83		2.3780	11000.	118	46151	No
6	GOM_TRA_1PNPDE20101228_002217_000000723098_00016_46151_9802.N1	28-DEC-2010 00:22:17	Bright	72.000	111	8Eta Boo	2.6800	6000.0	144	46151	No
7	GOM_TRA_1PNPDE20101228_003103_000000473098_00016_46151_9792.N1	28-DEC-2010 00:31:03	Bright	46.500	122	9Alp2Lib	2.7470	9700.0	93	46151	No
8	GOM_TRA_1PNPDE20101228_003346_000000623098_00016_46151_9793.N1	28-DEC-2010 00:33:46	Straylight	62.000	15	67Alp Vir	0.97600	28000.	124	46151	No
9	GOM_TRA_1PNPDE20101228_003747_000000463098_00016_46151_9794.N1	28-DEC-2010 00:37:47	Dark	45.500	54	5The Cen	2.0550	4500.0	91	46151	No
10	GOM_TRA_1PNPDE20101228_004038_000000403098_00016_46151_9795.N1	28-DEC-2010 00:40:38	Dark	39.500	95	Zet Cen	2.5450	26000.	79	46151	No

11	GOM_TRA_1PNPDE20101228_004355_000000443098_00017_46152_9796.N1	28-DEC-2010 00:43:55	Dark	44.000	64	Gam Cen	2.2000	10600.	88	46152	No
12	GOM_TRA_1PNPDE20101228_004958_000000473098_00017_46152_9797.N1	28-DEC-2010 00:49:58	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46152	No
13	GOM_TRA_1PNPDE20101228_005251_000000453098_00017_46152_9798.N1	28-DEC-2010 00:52:51	Dark	44.500	71	lot Car	2.2460	7700.0	89	46152	No
14	GOM_TRA_1PNPDE20101228_005431_000000563098_00017_46152_9799.N1	28-DEC-2010 00:54:31	Dark	56.000	41	Eps Car	1.8600	4100.0	112	46152	No
15	GOM_TRA_1PNPDE20101228_005736_000000483098_00017_46152_9800.N1	28-DEC-2010 00:57:36	Dark	48.000	34	Gam2Vel	1.7930	23000.	96	46152	No
16	GOM_TRA_1PNPDE20101228_005947_000000493098_00017_46152_9801.N1	28-DEC-2010 00:59:47	Dark	49.000	70	Zet Pup	2.2460	39000.	98	46152	No
17	GOM_TRA_1PNPDE20101228_010200_000000513098_00017_46152_9802.N1	28-DEC-2010 01:02:00	Dark	51.000	117	Pi Pup	2.7060	3800.0	102	46152	No
18	GOM_TRA_1PNPDE20101228_010453_000000513098_00017_46152_9803.N1	28-DEC-2010 01:04:53	Straylight	50.500	23	21Eps CMa	1.5020	26000.	101	46152	No
19	GOM_TRA_1PNPDE20101228_010628_000000483098_00017_46152_9804.N1	28-DEC-2010 01:06:28	Straylight	47.500	179	24Omi2CMa	3.0320	24000.	95	46152	No
20	GOM_TRA_1PNPDE20101228_010902_000000543098_00017_46152_9805.N1	28-DEC-2010 01:09:02	Straylight	54.000	1	9Alp CMa	-1.4400	11000.	108	46152	No
21	GOM_TRA_1PNPDE20101228_011134_000000423098_00017_46152_9806.N1	28-DEC-2010 01:11:34	Straylight	41.500	56	53Kap Ori	2.0650	30000.	83	46152	No
22	GOM_TRA_1PNPDE20101228_011406_000000473098_00017_46152_9807.N1	28-DEC-2010 01:14:06	Straylight	47.000	30	46Eps Ori	1.6940	30000.	94	46152	No
23	GOM_TRA_1PNPDE20101228_011643_000000573098_00017_46152_9808.N1	28-DEC-2010 01:16:43	Tw_i_and_stray	57.000	14	58Alp Ori	0.87000	3000.0	114	46152	No
24	GOM_TRA_1PNPDE20101228_012015_000000593098_00017_46152_9809.N1	28-DEC-2010 01:20:15	Bright	59.000	44	24Gam Gem	1.9280	11000.	118	46152	No
25	GOM_TRA_1PNPDE20101228_012152_000000483098_00017_46152_9810.N1	28-DEC-2010 01:21:52	Bright	47.500	151	13Mu Gem	2.8900	3000.0	95	46152	No
26	GOM_TRA_1PNPDE20101228_012357_000000383098_00017_46152_9811.N1	28-DEC-2010 01:23:57	Bright	37.500	114	3lot Aur	2.6930	4600.0	75	46152	No
27	GOM_TRA_1PNPDE20101228_012547_000000403098_00017_46152_9812.N1	28-DEC-2010 01:25:47	Bright	40.000	107	37The Aur	2.6490	11000.	80	46152	No
28	GOM_TRA_1PNPDE20101228_012743_000000433098_00017_46152_9813.N1	28-DEC-2010 01:27:43	Bright	42.500	6	13Alp Aur	0.080000	3400.0	85	46152	No
29	GOM_TRA_1PNPDE20101228_014311_000000433098_00017_46152_9814.N1	28-DEC-2010 01:43:11	Bright	43.000	36	50Alp UMa	1.8000	6300.0	86	46152	No
30	GOM_TRA_1PNPDE20101228_014811_000000463098_00017_46152_9815.N1	28-DEC-2010 01:48:11	Bright	45.500	32	77Eps UMa	1.7630	11000.	91	46152	No
31	GOM_TRA_1PNPDE20101228_015117_000000413098_00017_46152_9816.N1	28-DEC-2010 01:51:17	Bright	41.000	39	85Eta UMa	1.8540	24000.	82	46152	No
32	GOM_TRA_1PNPDE20101228_015508_000000413098_00017_46152_9817.N1	28-DEC-2010 01:55:08	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	46152	No
33	GOM_TRA_1PNPDE20101228_015840_000000603098_00017_46152_9818.N1	28-DEC-2010 01:58:40	Bright	60.000	83		2.3780	11000.	120	46152	No
34	GOM_TRA_1PNPDE20101228_020232_000000723098_00017_46152_9819.N1	28-DEC-2010 02:02:32	Bright	71.500	111	8Eta Boo	2.6800	6000.0	143	46152	No
35	GOM_TRA_1PNPDE20101228_021117_000000423098_00017_46152_9824.N1	28-DEC-2010 02:11:17	Bright	41.500	122	9Alp2Lib	2.7470	9700.0	83	46152	No
36	GOM_TRA_1PNPDE20101228_021401_000000593098_00017_46152_9825.N1	28-DEC-2010 02:14:01	Straylight	59.000	15	67Alp Vir	0.97600	28000.	118	46152	No
37	GOM_TRA_1PNPDE20101228_021802_000000463098_00017_46152_9826.N1	28-DEC-2010 02:18:02	Dark	46.000	54	5The Cen	2.0550	4500.0	92	46152	No
38	GOM_TRA_1PNPDE20101228_022410_000000443098_00018_46153_9827.N1	28-DEC-2010 02:24:10	Dark	44.000	64	Gam Cen	2.2000	10600.	88	46153	No
39	GOM_TRA_1PNPDE20101228_023012_000000513098_00018_46153_9828.N1	28-DEC-2010 02:30:12	Dark	50.500	113	Mu Vel	2.6920	5000.0	101	46153	No
40	GOM_TRA_1PNPDE20101228_023306_000000423098_00018_46153_9829.N1	28-DEC-2010 02:33:06	Dark	42.000	71	lot Car	2.2460	7700.0	84	46153	No
41	GOM_TRA_1PNPDE20101228_023445_000000463098_00018_46153_9830.N1	28-DEC-2010 02:34:45	Dark	46.000	41	Eps Car	1.8600	4100.0	92	46153	No
42	GOM_TRA_1PNPDE20101228_023751_000000473098_00018_46153_9831.N1	28-DEC-2010 02:37:51	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	46153	No
43	GOM_TRA_1PNPDE20101228_024002_000000453098_00018_46153_9832.N1	28-DEC-2010 02:40:02	Dark	44.500	70	Zet Pup	2.2460	39000.	89	46153	No
44	GOM_TRA_1PNPDE20101228_024214_000000523098_00018_46153_9833.N1	28-DEC-2010 02:42:14	Dark	51.500	117	Pi Pup	2.7060	3800.0	103	46153	No
45	GOM_TRA_1PNPDE20101228_024507_000000493098_00018_46153_9834.N1	28-DEC-2010 02:45:07	Straylight	49.000	23	21Eps CMa	1.5020	26000.	98	46153	No
46	GOM_TRA_1PNPDE20101228_024643_000000483098_00018_46153_9835.N1	28-DEC-2010 02:46:43	Straylight	47.500	179	24Omi2CMa	3.0320	24000.	95	46153	No
47	GOM_TRA_1PNPDE20101228_024916_000000553098_00018_46153_9836.N1	28-DEC-2010 02:49:16	Straylight	55.000	1	9Alp CMa	-1.4400	11000.	110	46153	No
48	GOM_TRA_1PNPDE20101228_025148_000000453098_00018_46153_9837.N1	28-DEC-2010 02:51:48	Straylight	44.500	56	53Kap Ori	2.0650	30000.	89	46153	No
49	GOM_TRA_1PNPDE20101228_025420_000000453098_00018_46153_9838.N1	28-DEC-2010 02:54:20	Straylight	45.000	30	46Eps Ori	1.6940	30000.	90	46153	No
50	GOM_TRA_1PNPDE20101228_025657_000000573098_00018_46153_9839.N1	28-DEC-2010 02:56:57	Tw_i_and_stray	57.000	14	58Alp Ori	0.87000	3000.0	114	46153	No
51	GOM_TRA_1PNPDE20101228_030029_000000573098_00018_46153_9840.N1	28-DEC-2010 03:00:29	Bright	56.500	44	24Gam Gem	1.9280	11000.	113	46153	No
52	GOM_TRA_1PNPDE20101228_030205_000000493098_00018_46153_9841.N1	28-DEC-2010 03:02:05	Bright	49.000	151	13Mu Gem	2.8900	3000.0	98	46153	No
53	GOM_TRA_1PNPDE20101228_030411_000000393098_00018_46153_9842.N1	28-DEC-2010 03:04:11	Bright	39.000	114	3lot Aur	2.6930	4600.0	78	46153	No
54	GOM_TRA_1PNPDE20101228_030601_000000413098_00018_46153_9843.N1	28-DEC-2010 03:06:01	Bright	40.500	107	37The Aur	2.6490	11000.	81	46153	No
55	GOM_TRA_1PNPDE20101228_030757_000000433098_00018_46153_9844.N1	28-DEC-2010 03:07:57	Bright	42.500	6	13Alp Aur	0.080000	3400.0	85	46153	No
56	GOM_TRA_1PNPDE20101228_032324_000000433098_00018_46153_9849.N1	28-DEC-2010 03:23:24	Bright	43.000	36	50Alp UMa	1.8000	6300.0	86	46153	No
57	GOM_TRA_1PNPDE20101228_032825_000000483098_00018_46153_9850.N1	28-DEC-2010 03:28:25	Bright	48.000	32	77Eps UMa	1.7630	11000.	96	46153	No
58	GOM_TRA_1PNPDE20101228_033130_000000643098_00018_46153_9851.N1	28-DEC-2010 03:31:30	Bright	64.000	39	85Eta UMa	1.8540	24000.	128	46153	No
59	GOM_TRA_1PNPDE20101228_033522_000000483098_00018_46153_9852.N1	28-DEC-2010 03:35:22	Bright	48.000	180	27Gam Boo	3.0400	8000.0	96	46153	No
60	GOM_TRA_1PNPDE20101228_033854_000000603098_00018_46153_9853.N1	28-DEC-2010 03:38:54	Bright	60.000	83		2.3780	11000.	120	46153	No
61	GOM_TRA_1PNPDE20101228_034246_000000723098_00018_46153_9854.N1	28-DEC-2010 03:42:46	Bright	72.000	111	8Eta Boo	2.6800	6000.0	144	46153	No
62	GOM_TRA_1PNPDE20101228_035132_000000453098_00018_46153_9855.N1	28-DEC-2010 03:51:32	Tw_i_and_stray	44.500	122	9Alp2Lib	2.7470	9700.0	89	46153	No
63	GOM_TRA_1PNPDE20101228_035416_000000593098_00018_46153_9856.N1	28-DEC-2010 03:54:16	Straylight	59.000	15	67Alp Vir	0.97600	28000.	118	46153	No
64	GOM_TRA_1PNPDE20101228_035817_000000503098_00018_46153_9857.N1	28-DEC-2010 03:58:17	Dark	49.500	54	5The Cen	2.0550	4500.0	99	46153	No
65	GOM_TRA_1PNPDE20101228_040107_000000413098_00018_46153_9858.N1	28-DEC-2010 04:01:07	Dark	40.500	95	Zet Cen	2.5450	26000.	81	46153	No
66	GOM_TRA_1PNPDE20101228_040425_000000443098_00019_46154_9859.N1	28-DEC-2010 04:04:25	Dark	44.000	64	Gam Cen	2.2000	10600.	88	46154	No
67	GOM_TRA_1PNPDE20101228_041028_000000483098_00019_46154_9860.N1	28-DEC-2010 04:10:28	Dark	48.000	113	Mu Vel	2.6920	5000.0	96	46154	No
68	GOM_TRA_1PNPDE20101228_041320_000000433098_00019_46154_9861.N1	28-DEC-2010 04:13:20	Dark	42.500	71	lot Car	2.2460	7700.0	85	46154	No
69	GOM_TRA_1PNPDE20101228_041500_000000473098_00019_46154_9862.N1	28-DEC-2010 04:15:00	Dark	46.500	41	Eps Car	1.8600	4100.0	93	46154	No

70	GOM_TRA_1PNPDE20101228_041806_000000453098_00019_46154_9863.N1	28-DEC-2010 04:18:06	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	46154	No
71	GOM_TRA_1PNPDE20101228_042017_000000503098_00019_46154_9864.N1	28-DEC-2010 04:20:17	Dark	49.500	70	Zet Pup	2.2460	39000.	99	46154	No
72	GOM_TRA_1PNPDE20101228_042229_000000483098_00019_46154_9865.N1	28-DEC-2010 04:22:29	Dark	48.000	117	Pi Pup	2.7060	3800.0	96	46154	No
73	GOM_TRA_1PNPDE20101228_042522_000000483098_00019_46154_9866.N1	28-DEC-2010 04:25:22	Straylight	47.500	23	21Eps CMa	1.5020	26000.	95	46154	No
74	GOM_TRA_1PNPDE20101228_042657_000000483098_00019_46154_9867.N1	28-DEC-2010 04:26:57	Straylight	47.500	179	24Omi2CMa	3.0320	24000.	95	46154	No
75	GOM_TRA_1PNPDE20101228_042930_000000583098_00019_46154_9868.N1	28-DEC-2010 04:29:30	Straylight	58.000	1	9Alp CMa	-1.4400	11000.	116	46154	No
76	GOM_TRA_1PNPDE20101228_043202_000000463098_00019_46154_9869.N1	28-DEC-2010 04:32:02	Straylight	45.500	56	53Kap Ori	2.0650	30000.	91	46154	No
77	GOM_TRA_1PNPDE20101228_043434_000000443098_00019_46154_9870.N1	28-DEC-2010 04:34:34	Straylight	43.500	30	46Eps Ori	1.6940	30000.	87	46154	No
78	GOM_TRA_1PNPDE20101228_043711_000000573098_00019_46154_9871.N1	28-DEC-2010 04:37:11	Twilight_stray	57.000	14	58Alp Ori	0.87000	3000.0	114	46154	No
79	GOM_TRA_1PNPDE20101228_044043_000000543098_00019_46154_9872.N1	28-DEC-2010 04:40:43	Bright	54.000	44	24Gam Gem	1.9280	11000.	108	46154	No
80	GOM_TRA_1PNPDE20101228_044219_000000523098_00019_46154_9873.N1	28-DEC-2010 04:42:19	Bright	51.500	151	13Mu Gem	2.8900	3000.0	103	46154	No
81	GOM_TRA_1PNPDE20101228_044345_000000473098_00019_46154_9874.N1	28-DEC-2010 04:43:45	Bright	47.000	170	27Eps Gem	3.0000	9700.0	94	46154	No
82	GOM_TRA_1PNPDE20101228_044615_000000413098_00019_46154_9875.N1	28-DEC-2010 04:46:15	Bright	40.500	107	37The Aur	2.6490	11000.	81	46154	No
83	GOM_TRA_1PNPDE20101228_044811_000000423098_00019_46154_9876.N1	28-DEC-2010 04:48:11	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	46154	No
84	GOM_TRA_1PNPDE20101228_050337_000000423098_00019_46154_9877.N1	28-DEC-2010 05:03:37	Bright	41.500	36	50Alp UMa	1.8000	6300.0	83	46154	No
85	GOM_TRA_1PNPDE20101228_050838_000000473098_00019_46154_9861.N1	28-DEC-2010 05:08:38	Bright	46.500	32	77Eps UMa	1.7630	11000.	93	46154	No
86	GOM_TRA_1PNPDE20101228_051145_000000643098_00019_46154_9862.N1	28-DEC-2010 05:11:45	Bright	64.000	39	85Eta UMa	1.8540	24000.	128	46154	No
87	GOM_TRA_1PNPDE20101228_051536_000000413098_00019_46154_9863.N1	28-DEC-2010 05:15:36	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	46154	No
88	GOM_TRA_1PNPDE20101228_051908_000000403098_00019_46154_9864.N1	28-DEC-2010 05:19:08	Bright	40.000	83		2.3780	11000.	80	46154	No
89	GOM_TRA_1PNPDE20101228_052301_000000493098_00019_46154_9865.N1	28-DEC-2010 05:23:01	Bright	49.000	111	8Eta Boo	2.6800	6000.0	98	46154	No
90	GOM_TRA_1PNPDE20101228_053147_000000463098_00019_46154_9866.N1	28-DEC-2010 05:31:47	Twilight_stray	46.000	122	9Alp2Lib	2.7470	9700.0	92	46154	No
91	GOM_TRA_1PNPDE20101228_053431_000000513098_00019_46154_9867.N1	28-DEC-2010 05:34:31	Straylight	51.000	15	67Alp Vir	0.97600	28000.	102	46154	No
92	GOM_TRA_1PNPDE20101228_053832_000000553098_00019_46154_9868.N1	28-DEC-2010 05:38:32	Dark	55.000	54	5The Cen	2.0550	4500.0	110	46154	No
93	GOM_TRA_1PNPDE20101228_054122_000000423098_00019_46154_9869.N1	28-DEC-2010 05:41:22	Dark	42.000	95	Zet Cen	2.5450	26000.	84	46154	No
94	GOM_TRA_1PNPDE20101228_054440_000000433098_00020_46155_9870.N1	28-DEC-2010 05:44:40	Dark	43.000	64	Gam Cen	2.2000	10600.	86	46155	No
95	GOM_TRA_1PNPDE20101228_055043_000000493098_00020_46155_9871.N1	28-DEC-2010 05:50:43	Dark	48.500	113	Mu Vel	2.6920	5000.0	97	46155	No
96	GOM_TRA_1PNPDE20101228_055335_000000473098_00020_46155_9872.N1	28-DEC-2010 05:53:35	Dark	47.000	71	lot Car	2.2460	7700.0	94	46155	No
97	GOM_TRA_1PNPDE20101228_055515_000000533098_00020_46155_9873.N1	28-DEC-2010 05:55:15	Dark	53.000	41	Eps Car	1.8600	4100.0	106	46155	No
98	GOM_TRA_1PNPDE20101228_055820_000000543098_00020_46155_9874.N1	28-DEC-2010 05:58:20	Dark	54.000	34	Gam2Vel	1.7930	23000.	108	46155	No
99	GOM_TRA_1PNPDE20101228_060031_000000493098_00020_46155_9875.N1	28-DEC-2010 06:00:31	Dark	48.500	70	Zet Pup	2.2460	39000.	97	46155	No
100	GOM_TRA_1PNPDE20101228_060244_000000473098_00020_46155_9876.N1	28-DEC-2010 06:02:44	Dark	47.000	117	Pi Pup	2.7060	3800.0	94	46155	No
101	GOM_TRA_1PNPDE20101228_060536_000000493098_00020_46155_9877.N1	28-DEC-2010 06:05:36	Straylight	49.000	23	21Eps CMa	1.5020	26000.	98	46155	No
102	GOM_TRA_1PNPDE20101228_060711_000000463098_00020_46155_9878.N1	28-DEC-2010 06:07:11	Straylight	45.500	179	24Omi2CMa	3.0320	24000.	91	46155	No
103	GOM_TRA_1PNPDE20101228_060945_000000583098_00020_46155_9879.N1	28-DEC-2010 06:09:45	Straylight	57.500	1	9Alp CMa	-1.4400	11000.	115	46155	No
104	GOM_TRA_1PNPDE20101228_061216_000000423098_00020_46155_9880.N1	28-DEC-2010 06:12:16	Straylight	42.000	56	53Kap Ori	2.0650	30000.	84	46155	No
105	GOM_TRA_1PNPDE20101228_061448_000000473098_00020_46155_9881.N1	28-DEC-2010 06:14:48	Straylight	46.500	30	46Eps Ori	1.6940	30000.	93	46155	No
106	GOM_TRA_1PNPDE20101228_061725_000000573098_00020_46155_9882.N1	28-DEC-2010 06:17:25	Twilight_stray	57.000	14	58Alp Ori	0.87000	3000.0	114	46155	No
107	GOM_TRA_1PNPDE20101228_062056_000000603098_00020_46155_9883.N1	28-DEC-2010 06:20:56	Bright	59.500	44	24Gam Gem	1.9280	11000.	119	46155	No
108	GOM_TRA_1PNPDE20101228_062233_000000633098_00020_46155_9884.N1	28-DEC-2010 06:22:33	Bright	63.000	151	13Mu Gem	2.8900	3000.0	126	46155	No
109	GOM_TRA_1PNPDE20101228_062359_000000473098_00020_46155_9885.N1	28-DEC-2010 06:23:59	Bright	47.000	170	27Eps Gem	3.0000	9700.0	94	46155	No
110	GOM_TRA_1PNPDE20101228_062629_000000403098_00020_46155_9886.N1	28-DEC-2010 06:26:29	Bright	40.000	107	37The Aur	2.6490	11000.	80	46155	No
111	GOM_TRA_1PNPDE20101228_062825_000000423098_00020_46155_9887.N1	28-DEC-2010 06:28:25	Bright	41.500	6	13Alp Aur	0.080000	3400.0	83	46155	No
112	GOM_TRA_1PNPDE20101228_064351_000000423098_00020_46155_9888.N1	28-DEC-2010 06:43:51	Bright	41.500	36	50Alp UMa	1.8000	6300.0	83	46155	No
113	GOM_TRA_1PNPDE20101228_210031_000000503098_00029_46164_9985.N1	28-DEC-2010 21:00:31	Dark	49.500	34	Gam2Vel	1.7930	23000.	99	46164	No
114	GOM_TRA_1PNPDE20101228_210243_000000483098_00029_46164_9986.N1	28-DEC-2010 21:02:43	Dark	47.500	70	Zet Pup	2.2460	39000.	95	46164	No
115	GOM_TRA_1PNPDE20101228_210453_000000513098_00029_46164_9987.N1	28-DEC-2010 21:04:53	Dark	51.000	117	Pi Pup	2.7060	3800.0	102	46164	No
116	GOM_TRA_1PNPDE20101228_210745_000000493098_00029_46164_9988.N1	28-DEC-2010 21:07:45	Straylight	49.000	23	21Eps CMa	1.5020	26000.	98	46164	No
117	GOM_TRA_1PNPDE20101228_210920_000000463098_00029_46164_9989.N1	28-DEC-2010 21:09:20	Straylight	46.000	179	24Omi2CMa	3.0320	24000.	92	46164	No
118	GOM_TRA_1PNPDE20101228_211152_000000533098_00029_46164_9990.N1	28-DEC-2010 21:11:52	Straylight	52.500	1	9Alp CMa	-1.4400	11000.	105	46164	No
119	GOM_TRA_1PNPDE20101228_211423_000000423098_00029_46164_9991.N1	28-DEC-2010 21:14:23	Straylight	42.000	56	53Kap Ori	2.0650	30000.	84	46164	No
120	GOM_TRA_1PNPDE20101228_211655_000000443098_00029_46164_9992.N1	28-DEC-2010 21:16:55	Straylight	44.000	30	46Eps Ori	1.6940	30000.	88	46164	No
121	GOM_TRA_1PNPDE20101228_211931_000000573098_00029_46164_9993.N1	28-DEC-2010 21:19:31	Twilight_stray	57.000	14	58Alp Ori	0.87000	3000.0	114	46164	No
122	GOM_TRA_1PNPDE20101228_212259_000000613098_00029_46164_9994.N1	28-DEC-2010 21:22:59	Bright	61.000	44	24Gam Gem	1.9280	11000.	122	46164	No
123	GOM_TRA_1PNPDE20101228_212435_000000503098_00029_46164_9995.N1	28-DEC-2010 21:24:35	Bright	50.000	151	13Mu Gem	2.8900	3000.0	100	46164	No
124	GOM_TRA_1PNPDE20101228_212600_000000463098_00029_46164_9996.N1	28-DEC-2010 21:26:00	Bright	45.500	170	27Eps Gem	3.0000	9700.0	91	46164	No
125	GOM_TRA_1PNPDE20101228_212832_000000403098_00029_46164_9997.N1	28-DEC-2010 21:28:32	Bright	40.000	107	37The Aur	2.6490	11000.	80	46164	No
126	GOM_TRA_1PNPDE20101228_213030_000000423098_00029_46164_9998.N1	28-DEC-2010 21:30:30	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	46164	No
127	GOM_TRA_1PNPDE20101228_214552_000000373098_00029_46164_9999.N1	28-DEC-2010 21:45:52	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	46164	No
128	GOM_TRA_1PNPDE20101228_214703_000000383098_00029_46164_0000.N1	28-DEC-2010 21:47:03	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	46164	No

129	GOM_TRA_1PNPDE20101228_215055_000000473098_00029_46164_0001.N1	28-DEC-2010 21:50:55	Bright	46.500	32	77Eps UMa	1.7630	11000.	93	46164	No
130	GOM_TRA_1PNPDE20101228_215403_000000643098_00029_46164_0002.N1	28-DEC-2010 21:54:03	Bright	64.000	39	85Eta UMa	1.8540	24000.	128	46164	No
131	GOM_TRA_1PNPDE20101228_215757_000000613098_00029_46164_0003.N1	28-DEC-2010 21:57:57	Bright	61.000	180	27Gam Boo	3.0400	8000.0	122	46164	No
132	GOM_TRA_1PNPDE20101228_220130_000000603098_00029_46164_0004.N1	28-DEC-2010 22:01:30	Bright	60.000	83		2.3780	11000.	120	46164	No
133	GOM_TRA_1PNPDE20101228_220526_000000693098_00029_46164_0005.N1	28-DEC-2010 22:05:26	Bright	69.000	111	8Eta Boo	2.6800	6000.0	138	46164	No
134	GOM_TRA_1PNPDE20101228_221139_000000373098_00029_46164_0006.N1	28-DEC-2010 22:11:39	Bright	37.000	104	27Bet Lib	2.6140	13100.	74	46164	No
135	GOM_TRA_1PNPDE20101228_221412_000000423098_00029_46164_0010.N1	28-DEC-2010 22:14:12	Twilight	41.500	122	9Alp2Lib	2.7470	9700.0	83	46164	No
136	GOM_TRA_1PNPDE20101228_222058_000000553098_00029_46164_0011.N1	28-DEC-2010 22:20:58	Dark	54.500	54	5The Cen	2.0550	4500.0	109	46164	No
137	GOM_TRA_1PNPDE20101228_222348_000000403098_00029_46164_0012.N1	28-DEC-2010 22:23:48	Dark	40.000	95	Zet Cen	2.5450	26000.	80	46164	No
138	GOM_TRA_1PNPDE20101228_222708_000000433098_00030_46165_0013.N1	28-DEC-2010 22:27:08	Dark	42.500	64	Gam Cen	2.2000	10600.	85	46165	No
139	GOM_TRA_1PNPDE20101228_223312_000000483098_00030_46165_0014.N1	28-DEC-2010 22:33:12	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	46165	No
140	GOM_TRA_1PNPDE20101228_223601_000000413098_00030_46165_0015.N1	28-DEC-2010 22:36:01	Dark	41.000	71	lot Car	2.2460	7700.0	82	46165	No
141	GOM_TRA_1PNPDE20101228_223740_000000563098_00030_46165_0016.N1	28-DEC-2010 22:37:40	Dark	55.500	41	Eps Car	1.8600	4100.0	111	46165	No
142	GOM_TRA_1PNPDE20101228_224046_000000493098_00030_46165_0017.N1	28-DEC-2010 22:40:46	Dark	48.500	34	Gam2Vel	1.7930	23000.	97	46165	No
143	GOM_TRA_1PNPDE20101228_224257_000000463098_00030_46165_0018.N1	28-DEC-2010 22:42:57	Dark	46.000	70	Zet Pup	2.2460	39000.	92	46165	No
144	GOM_TRA_1PNPDE20101228_224508_000000493098_00030_46165_0019.N1	28-DEC-2010 22:45:08	Dark	48.500	117	Pi Pup	2.7060	3800.0	97	46165	No
145	GOM_TRA_1PNPDE20101228_224759_000000483098_00030_46165_0020.N1	28-DEC-2010 22:47:59	Straylight	48.000	23	21Eps CMa	1.5020	26000.	96	46165	No
146	GOM_TRA_1PNPDE20101228_224934_000000453098_00030_46165_0021.N1	28-DEC-2010 22:49:34	Straylight	44.500	179	24Omi2CMa	3.0320	24000.	89	46165	No
147	GOM_TRA_1PNPDE20101228_225206_000000433098_00030_46165_0022.N1	28-DEC-2010 22:52:06	Straylight	42.500	1	9Alp CMa	-1.4400	11000.	85	46165	No
148	GOM_TRA_1PNPDE20101228_225437_000000433098_00030_46165_0023.N1	28-DEC-2010 22:54:37	Straylight	42.500	56	53Kap Ori	2.0650	30000.	85	46165	No
149	GOM_TRA_1PNPDE20101228_225709_000000473098_00030_46165_0024.N1	28-DEC-2010 22:57:09	Straylight	46.500	30	46Eps Ori	1.6940	30000.	93	46165	No
150	GOM_TRA_1PNPDE20101228_225945_000000573098_00030_46165_0025.N1	28-DEC-2010 22:59:45	Twilight	57.000	14	58Alp Ori	0.87000	3000.0	114	46165	No
151	GOM_TRA_1PNPDE20101228_230312_000000593098_00030_46165_0026.N1	28-DEC-2010 23:03:12	Bright	59.000	44	24Gam Gem	1.9280	11000.	118	46165	No
152	GOM_TRA_1PNPDE20101228_230449_000000473098_00030_46165_0027.N1	28-DEC-2010 23:04:49	Bright	47.000	151	13Mu Gem	2.8900	3000.0	94	46165	No
153	GOM_TRA_1PNPDE20101228_230613_000000473098_00030_46165_0028.N1	28-DEC-2010 23:06:13	Bright	46.500	170	27Eps Gem	3.0000	9700.0	93	46165	No
154	GOM_TRA_1PNPDE20101228_230846_000000403098_00030_46165_0029.N1	28-DEC-2010 23:08:46	Bright	40.000	107	37The Aur	2.6490	11000.	80	46165	No
155	GOM_TRA_1PNPDE20101228_231044_000000413098_00030_46165_0030.N1	28-DEC-2010 23:10:44	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	46165	No
156	GOM_TRA_1PNPDE20101228_232605_000000373098_00030_46165_0031.N1	28-DEC-2010 23:26:05	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	46165	No
157	GOM_TRA_1PNPDE20101228_232717_000000353098_00030_46165_0032.N1	28-DEC-2010 23:27:17	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	46165	No
158	GOM_TRA_1PNPDE20101228_233108_000000493098_00030_46165_0033.N1	28-DEC-2010 23:31:08	Bright	48.500	32	77Eps UMa	1.7630	11000.	97	46165	No
159	GOM_TRA_1PNPDE20101228_233417_000000643098_00030_46165_0034.N1	28-DEC-2010 23:34:17	Bright	64.000	39	85Eta UMa	1.8540	24000.	128	46165	No
160	GOM_TRA_1PNPDE20101228_233811_000000613098_00030_46165_0035.N1	28-DEC-2010 23:38:11	Bright	61.000	180	27Gam Boo	3.0400	8000.0	122	46165	No
161	GOM_TRA_1PNPDE20101228_234144_000000603098_00030_46165_0036.N1	28-DEC-2010 23:41:44	Bright	60.000	83		2.3780	11000.	120	46165	No
162	GOM_TRA_1PNPDE20101228_234540_000000693098_00030_46165_0037.N1	28-DEC-2010 23:45:40	Bright	69.000	111	8Eta Boo	2.6800	6000.0	138	46165	No
163	GOM_TRA_1PNPDE20101228_235153_000000553098_00030_46165_0038.N1	28-DEC-2010 23:51:53	Bright	55.000	104	27Bet Lib	2.6140	13100.	110	46165	No
164	GOM_TRA_1PNPDE20101228_235426_000000463098_00030_46165_0034.N1	28-DEC-2010 23:54:26	Twilight	46.000	122	9Alp2Lib	2.7470	9700.0	92	46165	Yes

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).

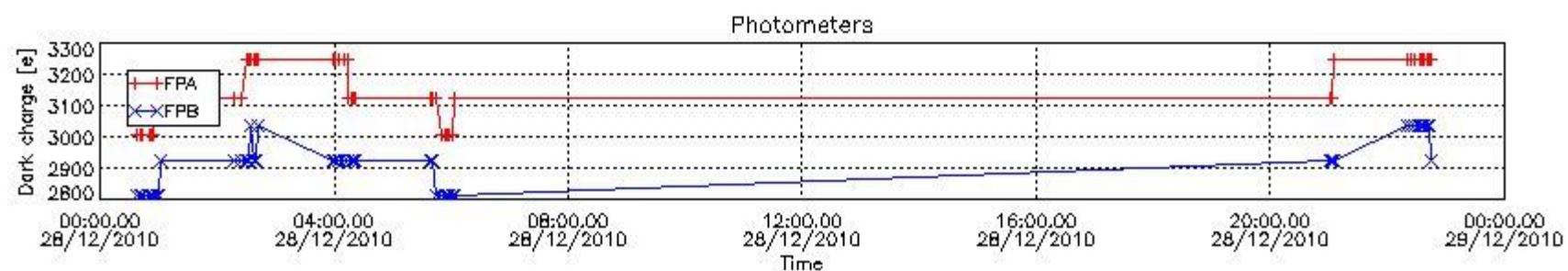
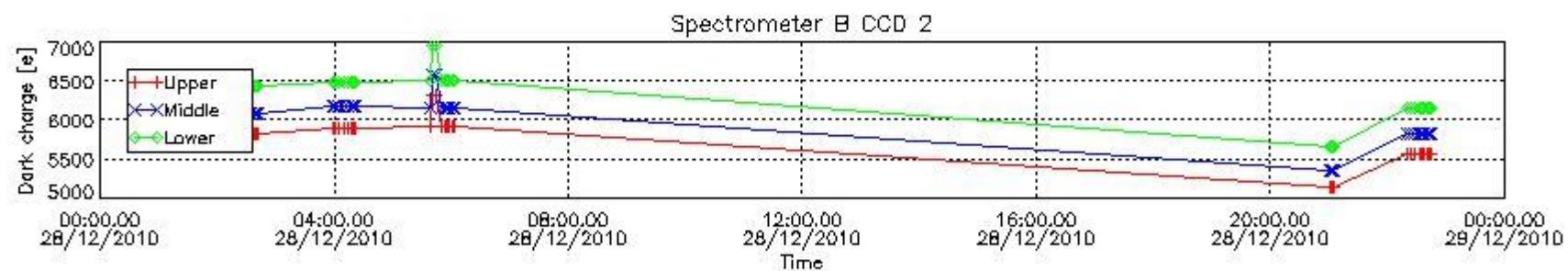
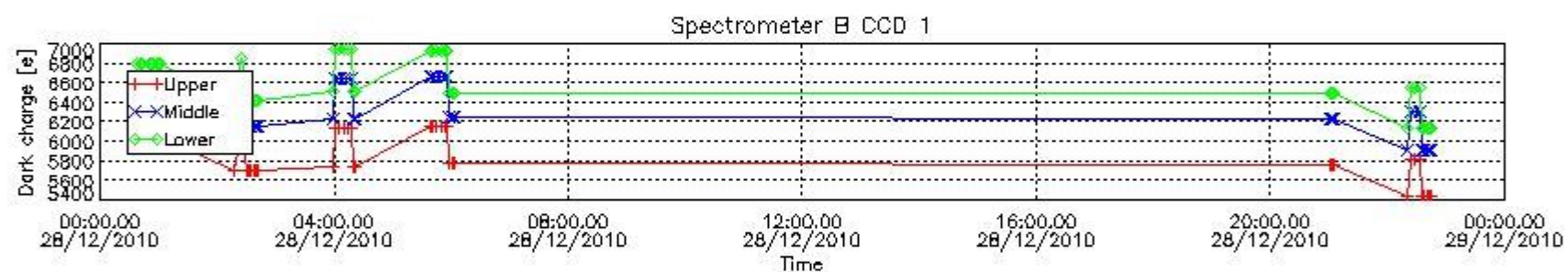
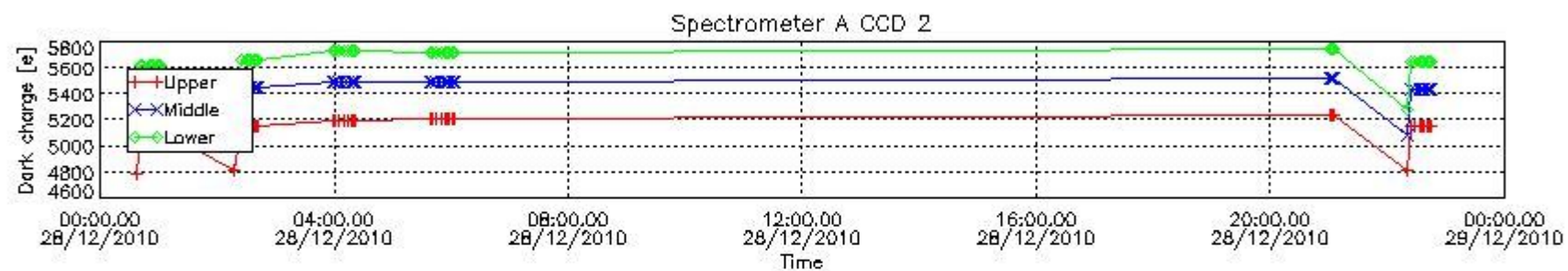
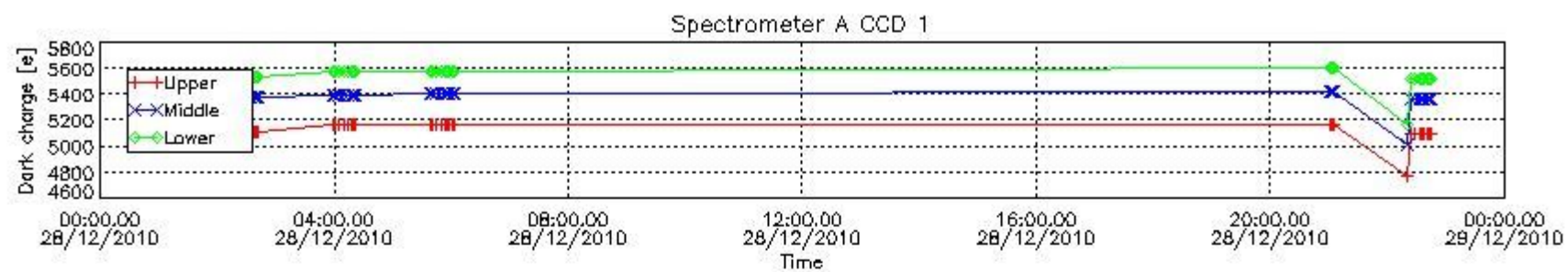
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20101228_210031_000000503098_00029_46164_9985.N1	DC map used
GOM_TRA_1PNPDE20101228_210243_000000483098_00029_46164_9986.N1	DC map used
GOM_TRA_1PNPDE20101228_210453_000000513098_00029_46164_9987.N1	DC map used
GOM_TRA_1PNPDE20101228_210745_000000493098_00029_46164_9988.N1	DC map used
GOM_TRA_1PNPDE20101228_210920_000000463098_00029_46164_9989.N1	DC map used
GOM_TRA_1PNPDE20101228_211152_000000533098_00029_46164_9990.N1	DC map used
GOM_TRA_1PNPDE20101228_211423_000000423098_00029_46164_9991.N1	DC map used
GOM_TRA_1PNPDE20101228_211655_000000443098_00029_46164_9992.N1	DC map used
GOM_TRA_1PNPDE20101228_211931_000000573098_00029_46164_9993.N1	DC map used
GOM_TRA_1PNPDE20101228_212259_000000613098_00029_46164_9994.N1	DC map used
GOM_TRA_1PNPDE20101228_212435_000000503098_00029_46164_9995.N1	DC map used
GOM_TRA_1PNPDE20101228_212600_000000463098_00029_46164_9996.N1	DC map used
GOM_TRA_1PNPDE20101228_212832_000000403098_00029_46164_9997.N1	DC map used
GOM_TRA_1PNPDE20101228_213030_000000423098_00029_46164_9998.N1	DC map used

GOM_TRA_1PNPDE20101228_214552_000000373098_00029_46164_9999.N1	DC map used
GOM_TRA_1PNPDE20101228_214703_000000383098_00029_46164_0000.N1	DC map used
GOM_TRA_1PNPDE20101228_215055_000000473098_00029_46164_0001.N1	DC map used
GOM_TRA_1PNPDE20101228_215403_000000643098_00029_46164_0002.N1	DC map used
GOM_TRA_1PNPDE20101228_215757_000000613098_00029_46164_0003.N1	DC map used
GOM_TRA_1PNPDE20101228_220130_000000603098_00029_46164_0004.N1	DC map used
GOM_TRA_1PNPDE20101228_220526_000000693098_00029_46164_0005.N1	DC map used
GOM_TRA_1PNPDE20101228_221139_000000373098_00029_46164_0006.N1	DC map used

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



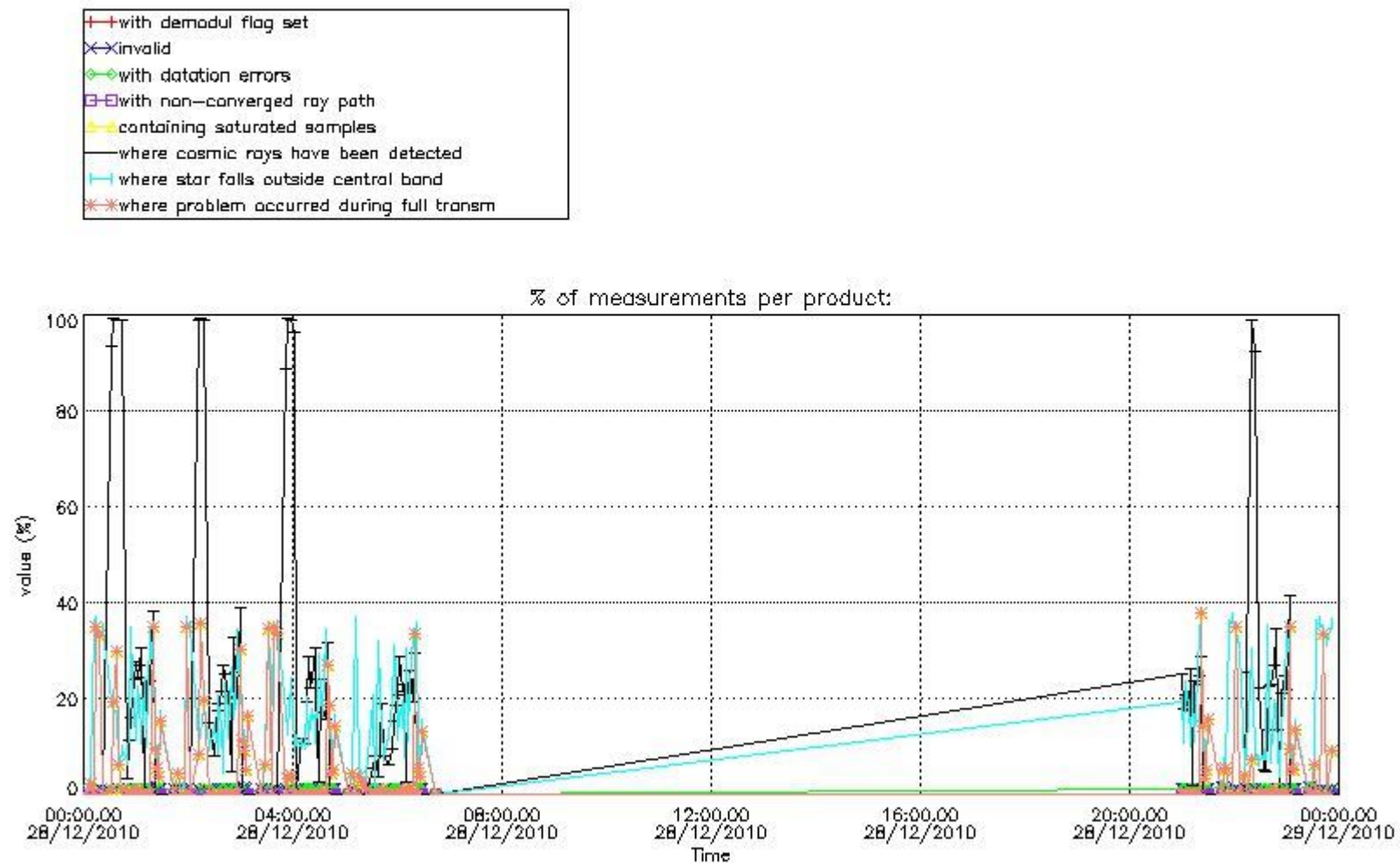
5. Demodulation flag and quality information monitoring

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.

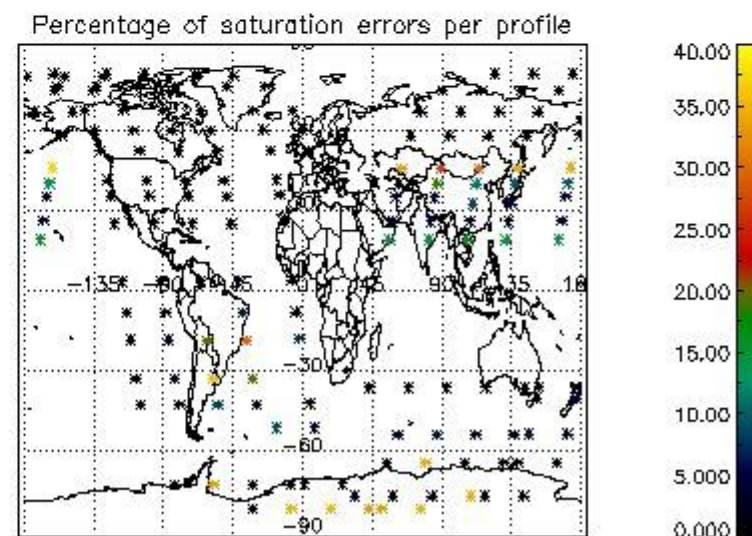
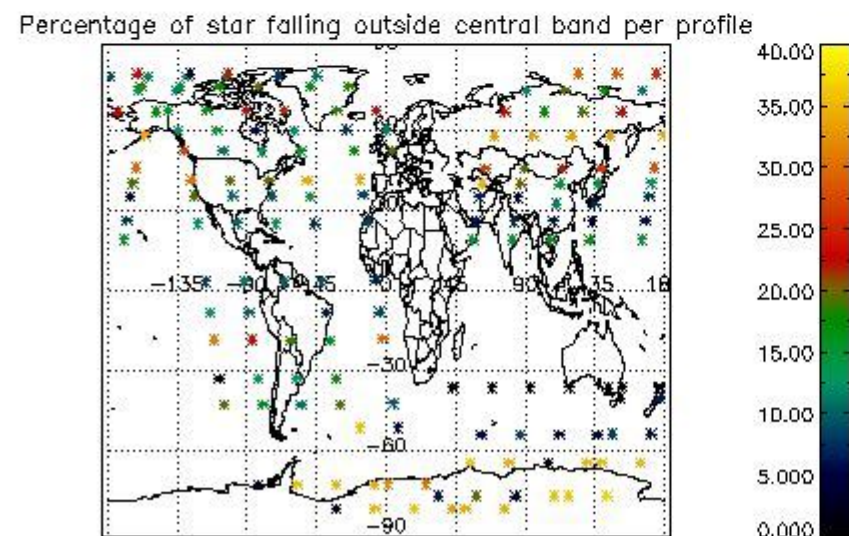
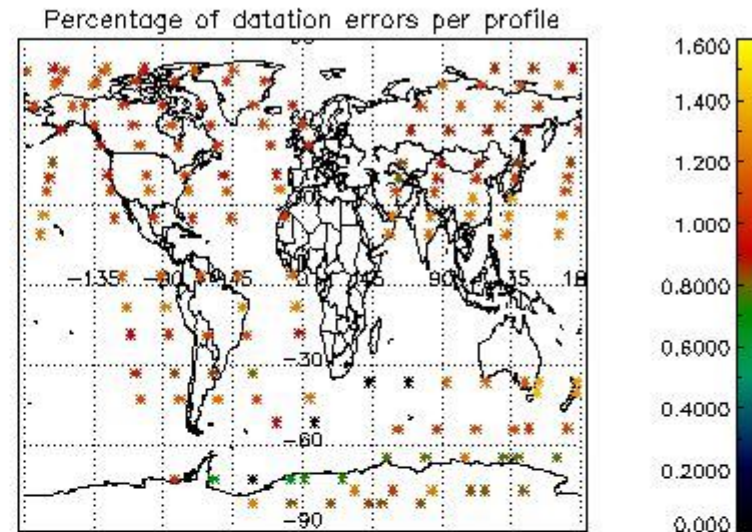
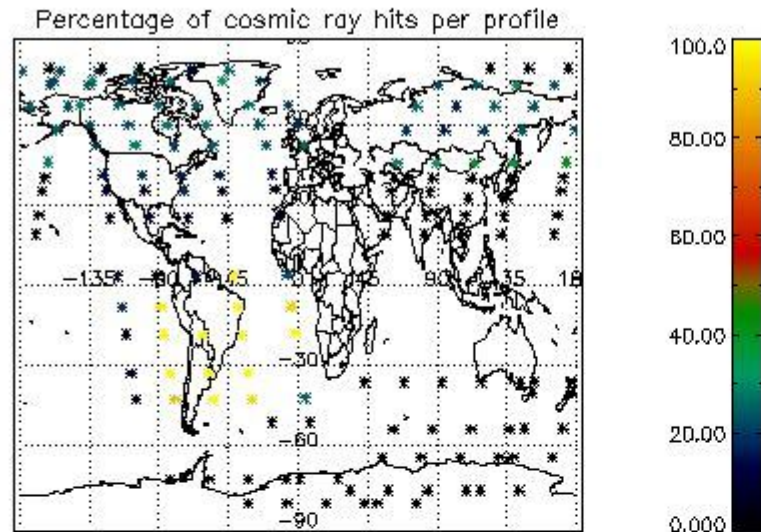
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	50.3067 %
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)



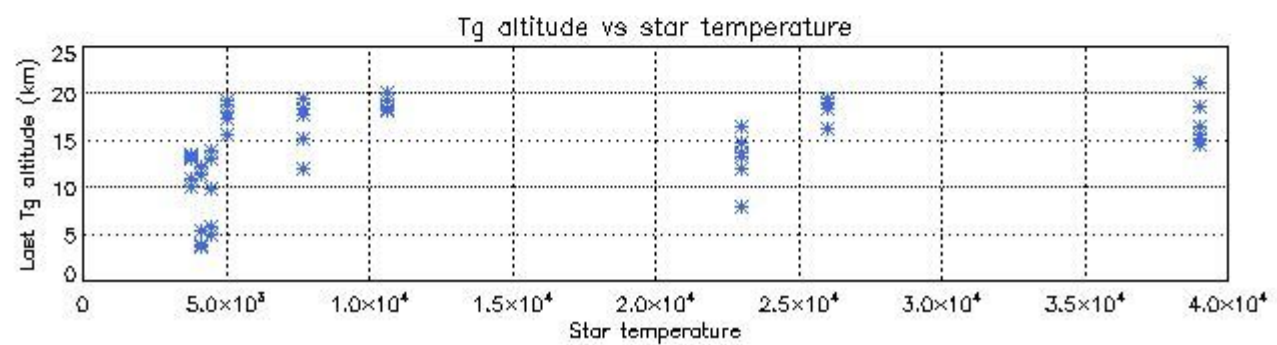
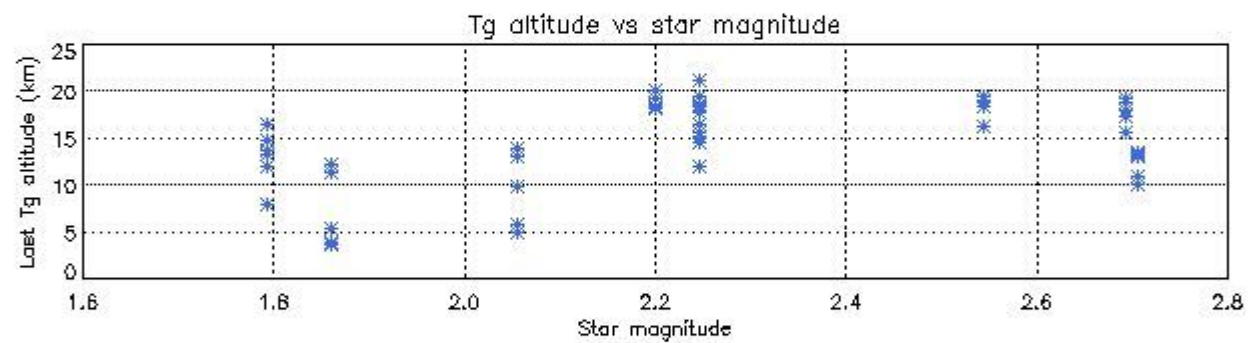
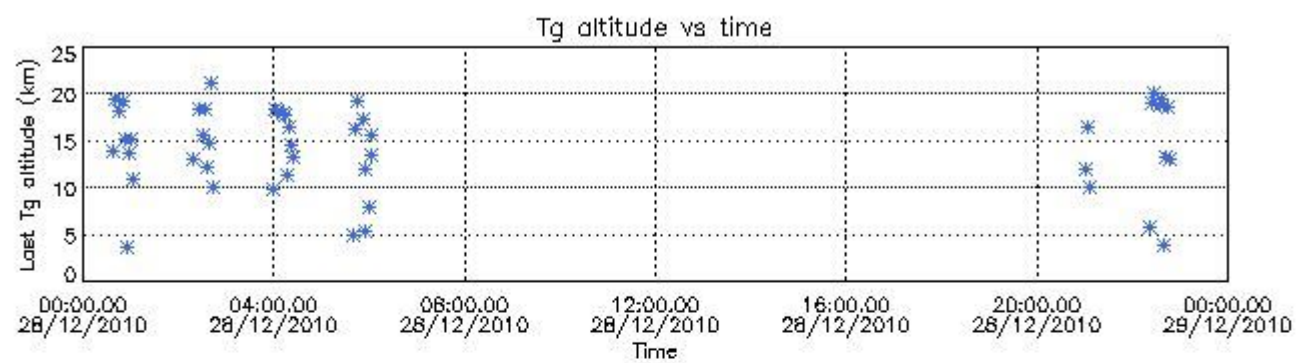
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.313	15.414	NaN
St. deviation:	4.6075	9.7032	NaN
Maximum:	21.168	44.485	NaN
Minimum:	3.6063	3.7939	NaN
Number of data:	47.000	73.000	NaN

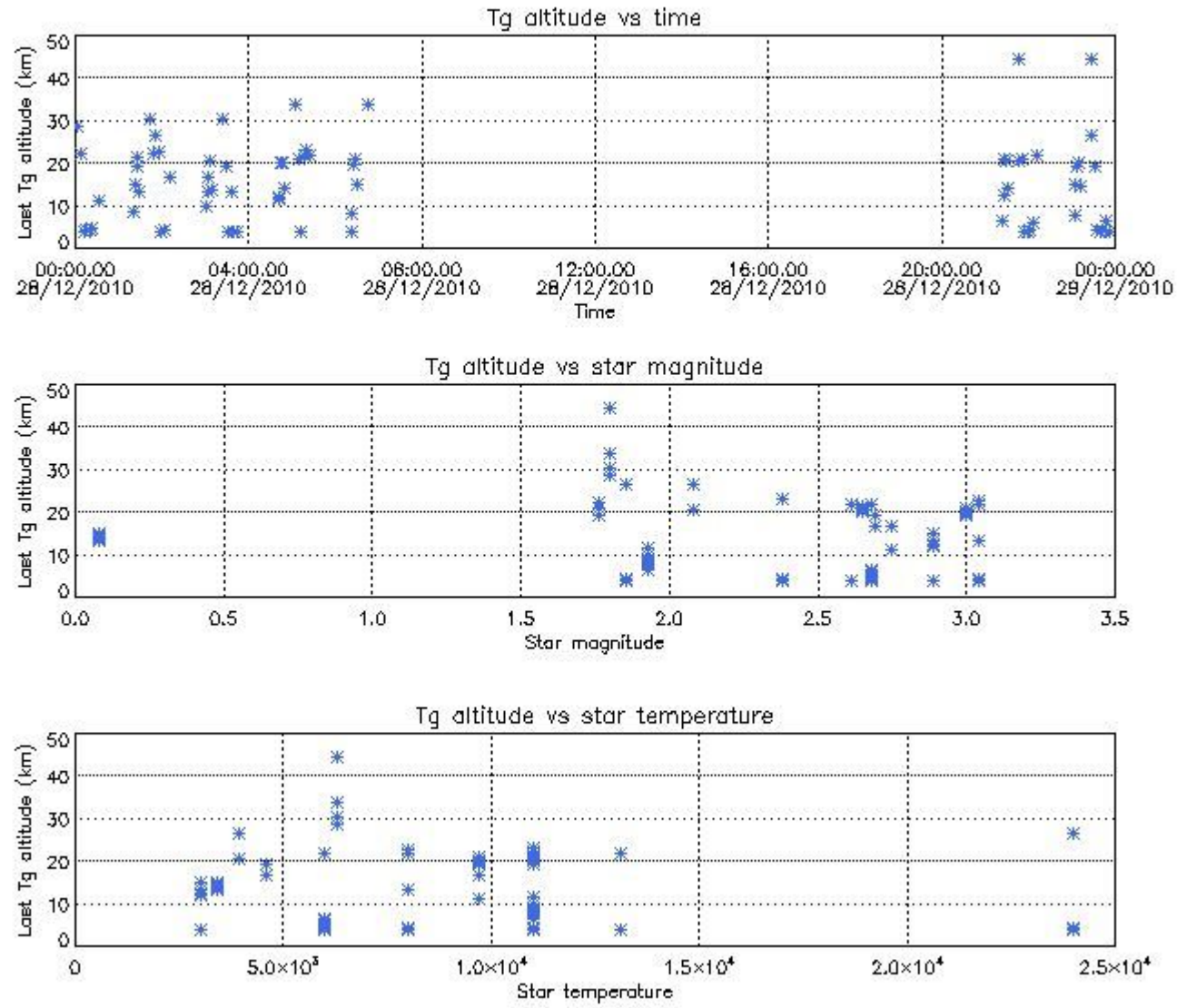
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

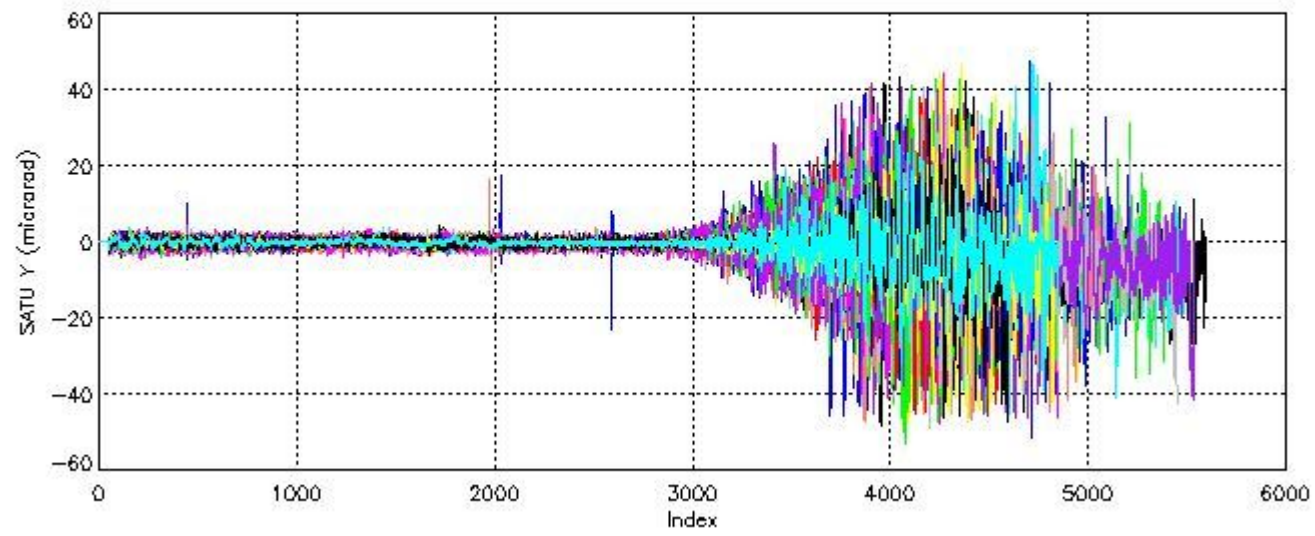
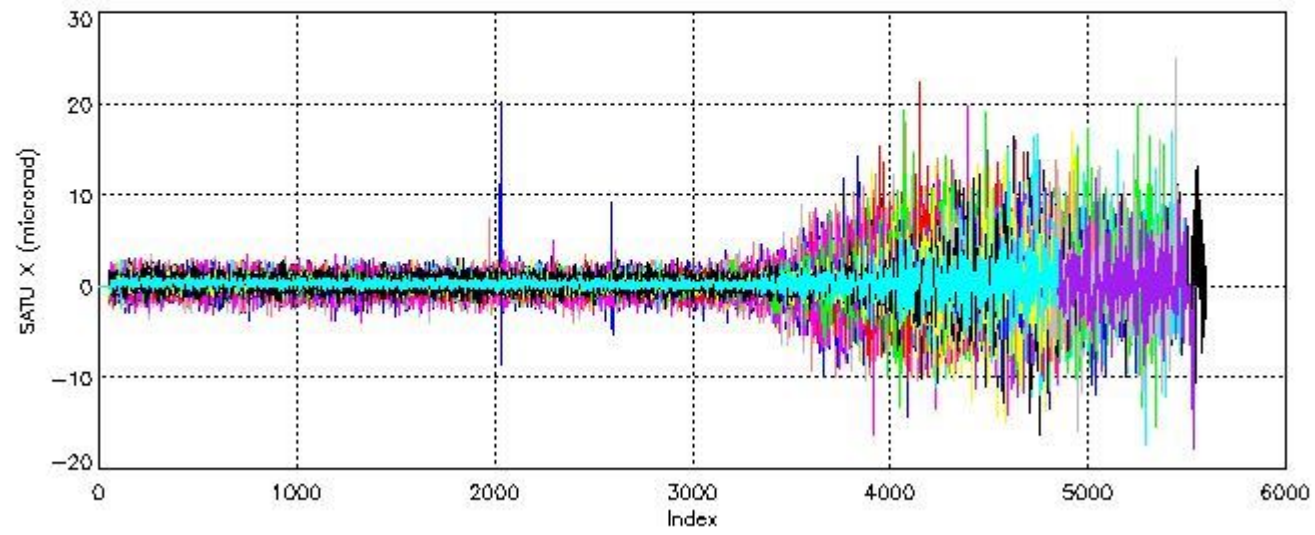


7. Star Acquisition and Tracking Unit (SATU)

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:	0.20789	-0.31275	0.19461	-0.26040
St. deviation:	0.54369	0.80447	0.68952	0.92856
Maximum:	3.5000	10.100	5.4000	6.5000
Minimum:	-3.7000	-4.9000	-5.4000	-6.7000

Number of data:	48500.	48500.	75200.	75200.
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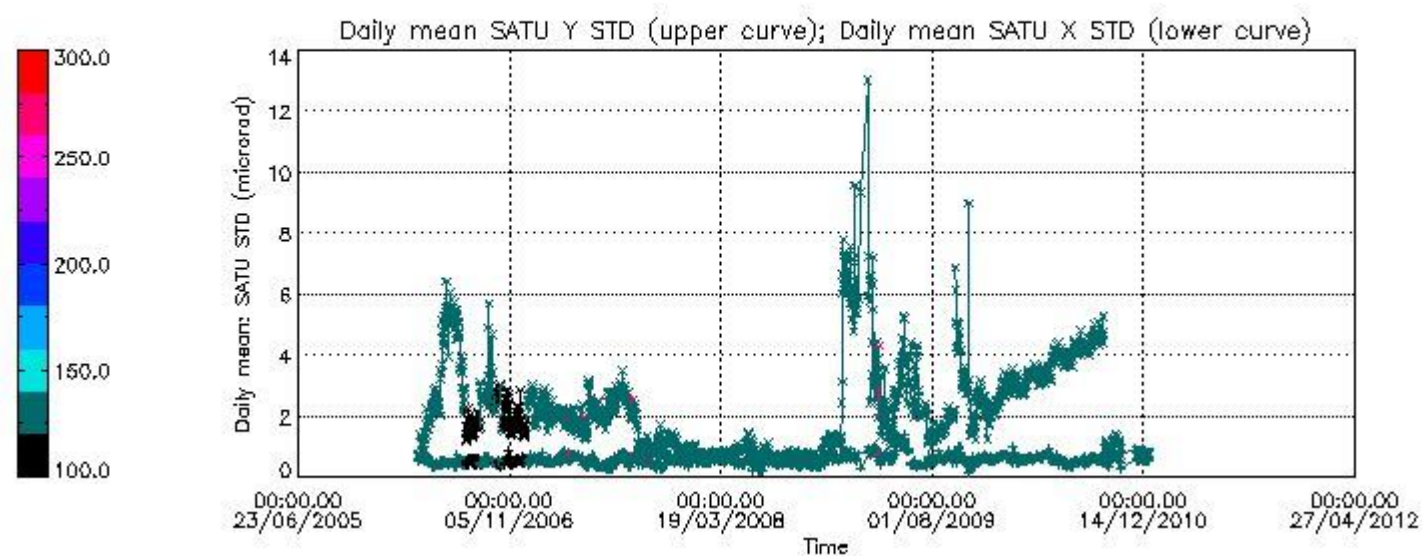
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

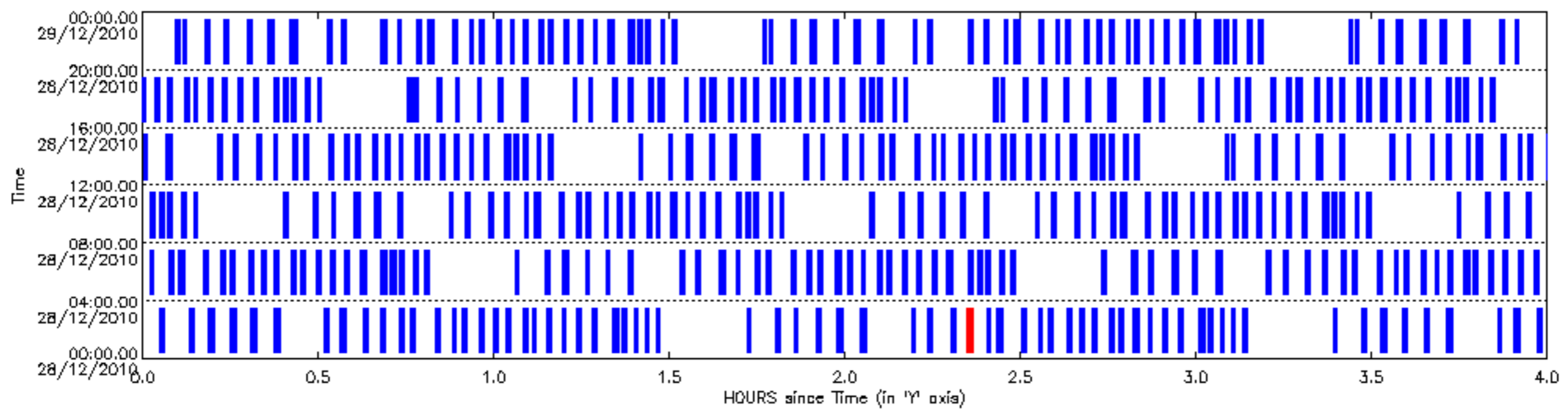
Lower curve: STD of SATU X axis

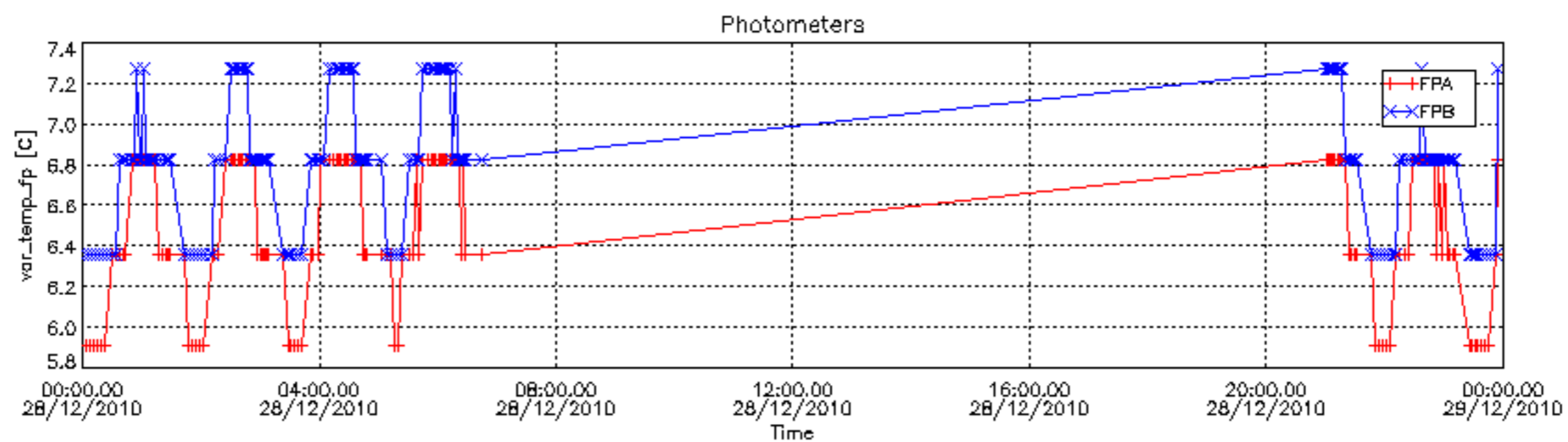
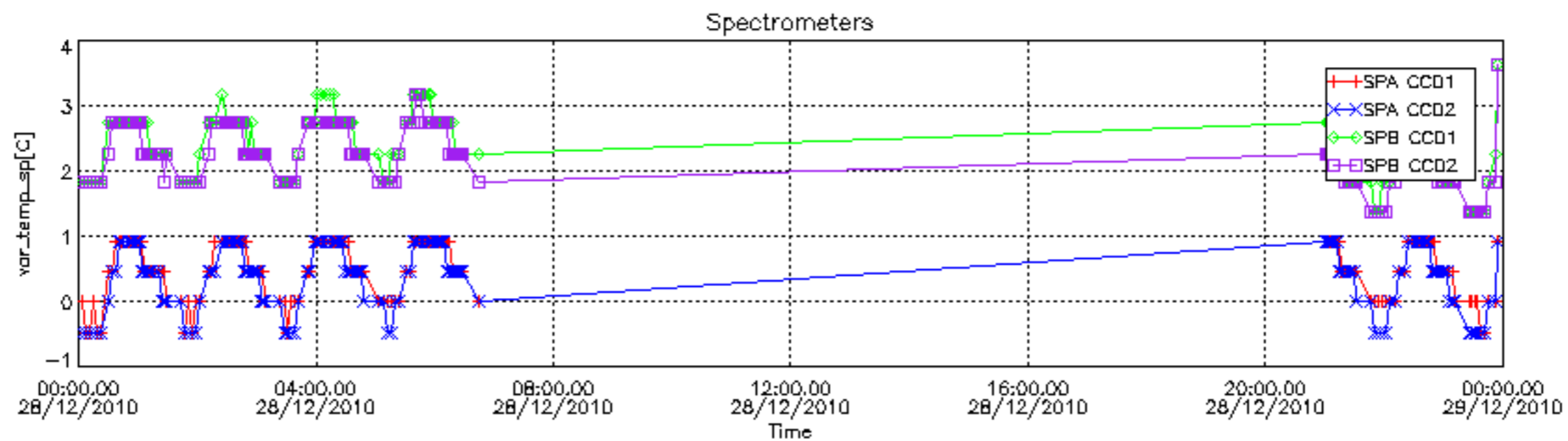


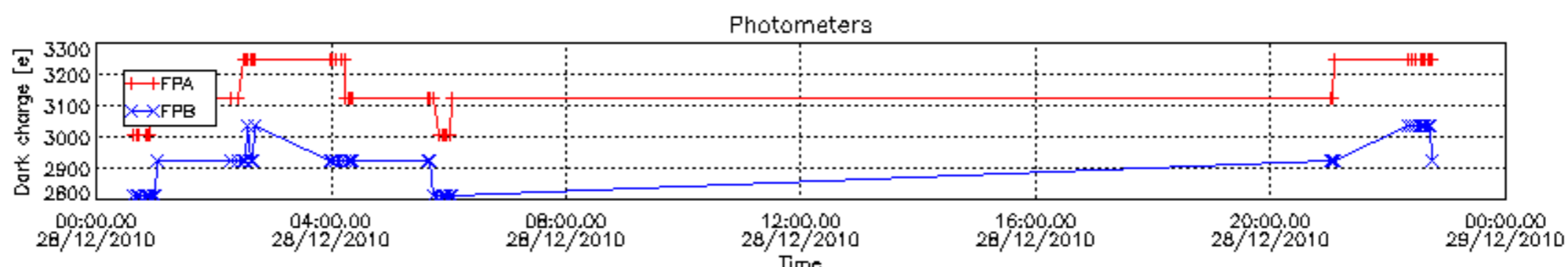
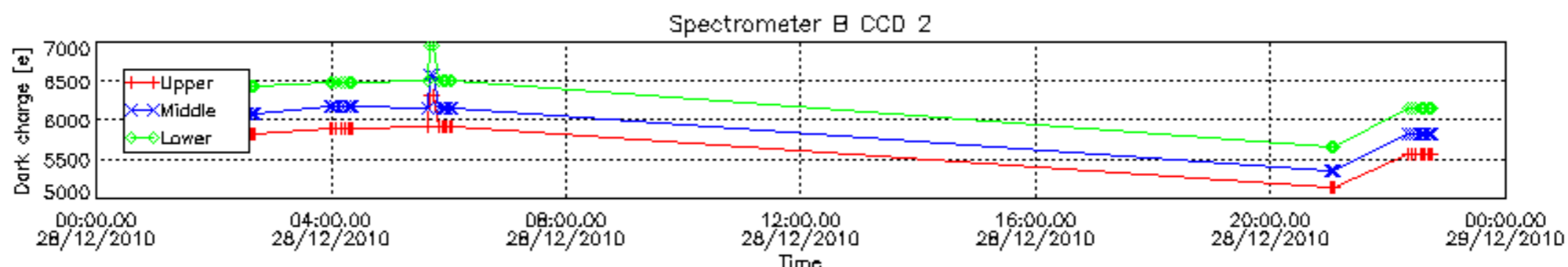
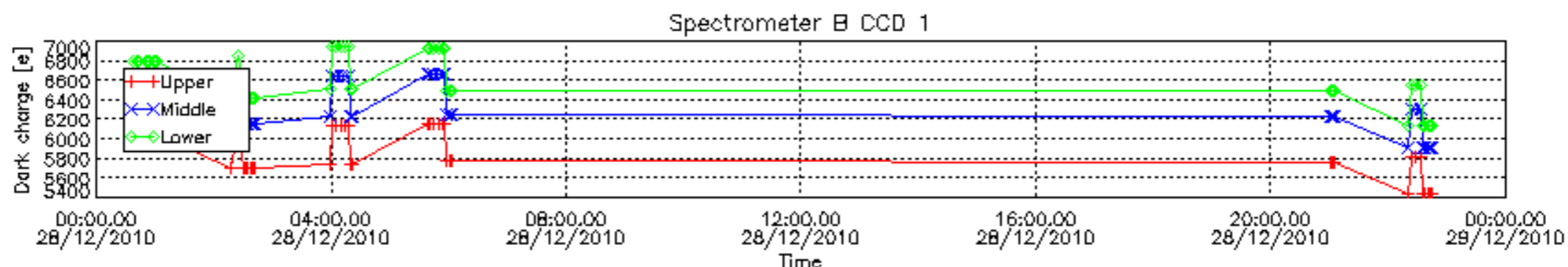
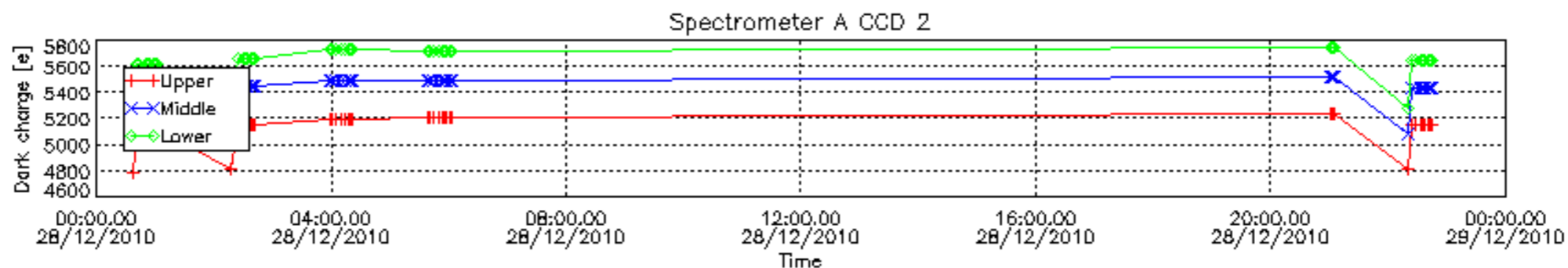
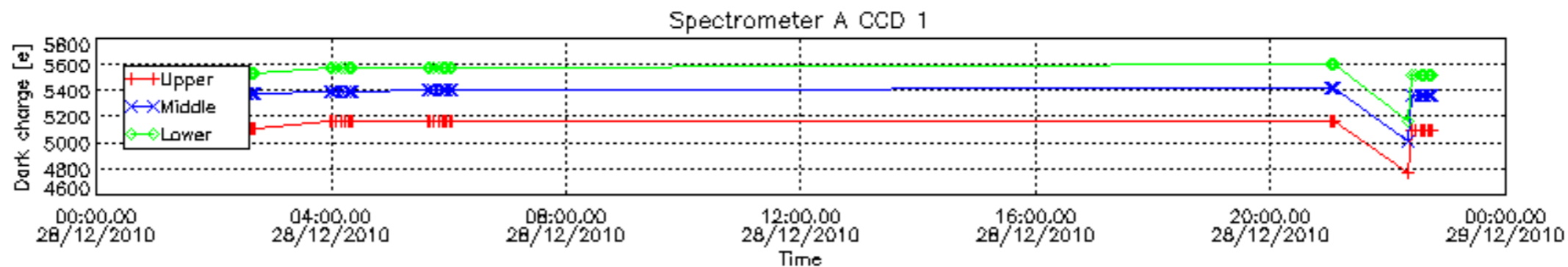
8. Auxiliary Data Files used for the production reported in section 2.4

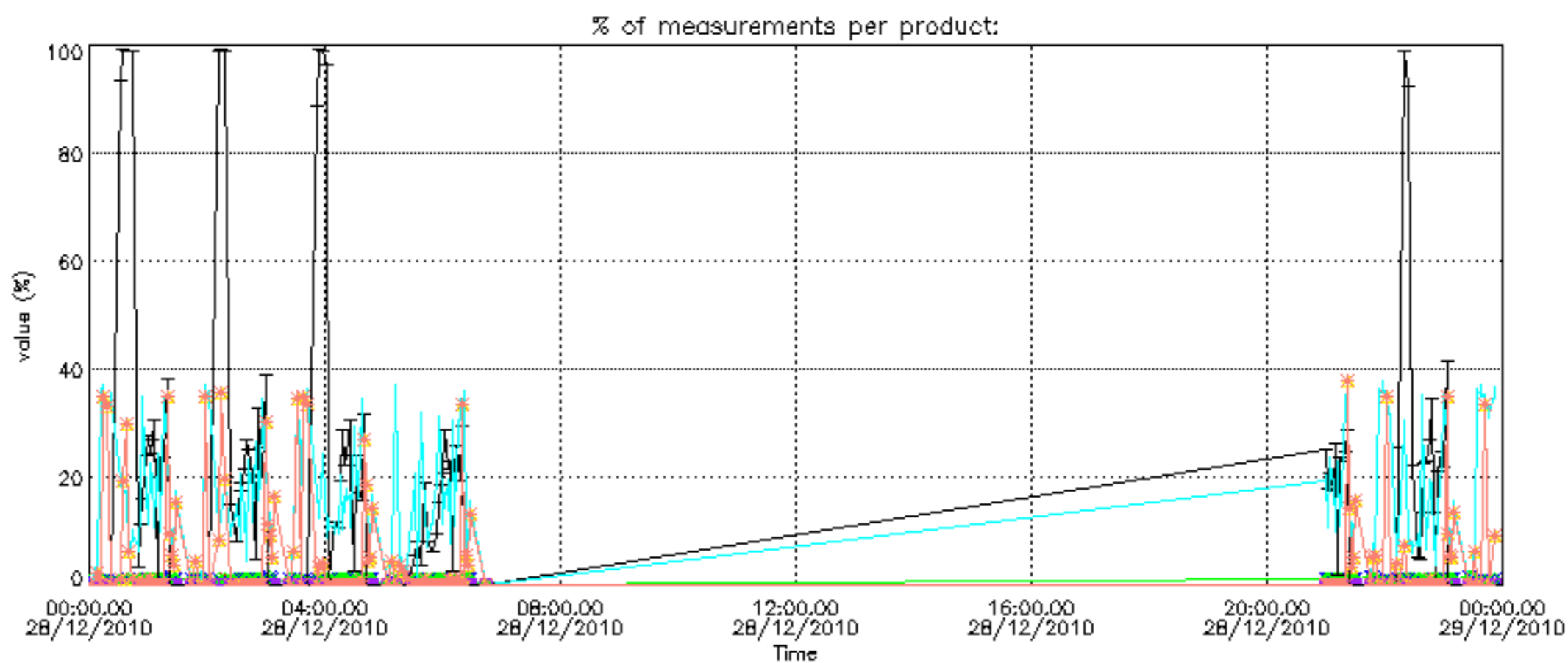
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	28-DEC-2010 00:02:57
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20101227_083101_20101226_000000_20500101_000000	1	28-DEC-2010 00:02:57
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	28-DEC-2010 00:02:57
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	28-DEC-2010 00:02:57
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	28-DEC-2010 00:02:57
ECMWF_FILE	AUX_ECF_AXNECM20101227_054116_20101227_210000_20101228_090000	1	28-DEC-2010 00:02:57
ECMWF_FILE	AUX_ECF_AXNECM20101227_174114_20101228_030000_20101228_150000	56	28-DEC-2010 03:23:24
ECMWF_FILE	AUX_ECA_AXNECM20101228_052116_20101227_210000_20101228_090000	85	28-DEC-2010 05:08:38
ECMWF_FILE	AUX_ECF_AXNECM20101228_054115_20101228_210000_20101229_090000	113	28-DEC-2010 21:00:31
OPTIONAL_ECMWF_FILE	MISSING	1	28-DEC-2010 00:02:57
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101227_224642_000057383098_00015_46150_2215.N1	1	28-DEC-2010 00:02:57
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101228_002739_000054193098_00016_46151_2216.N1	7	28-DEC-2010 00:31:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101228_020317_000041443098_00017_46152_2217.N1	35	28-DEC-2010 02:11:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101228_031740_000060573098_00018_46153_2218.N1	56	28-DEC-2010 03:23:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101228_050356_000054193098_00019_46154_2219.N1	85	28-DEC-2010 05:08:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101228_205500_000041443098_00029_46164_2220.N1	113	28-DEC-2010 21:00:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101228_220923_000057383098_00029_46164_2221.N1	135	28-DEC-2010 22:14:12
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101228_235020_000057383098_00030_46165_2222.N1	164	28-DEC-2010 23:54:26

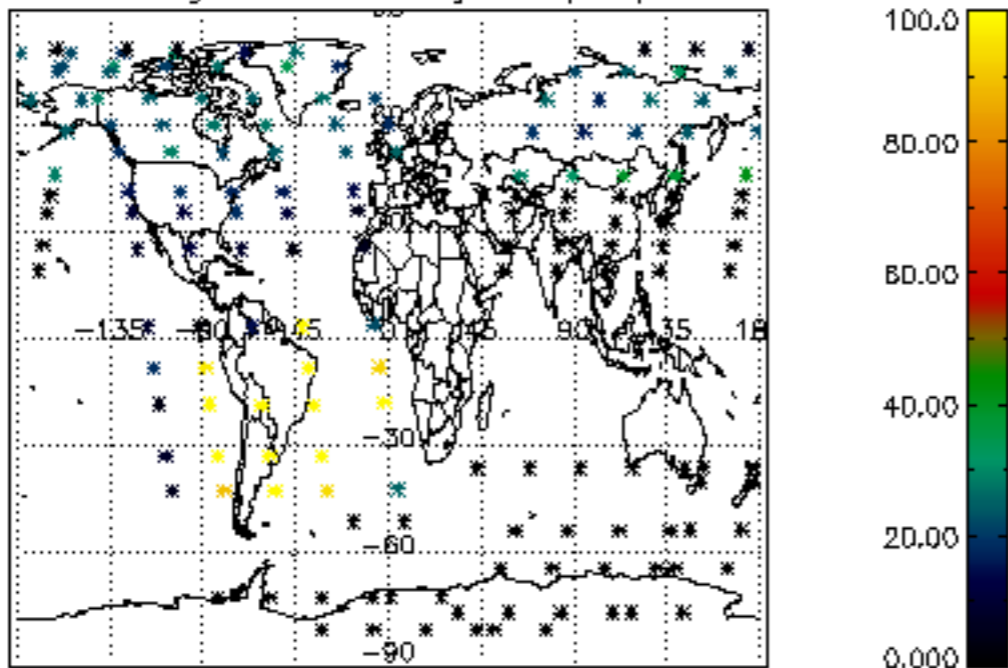




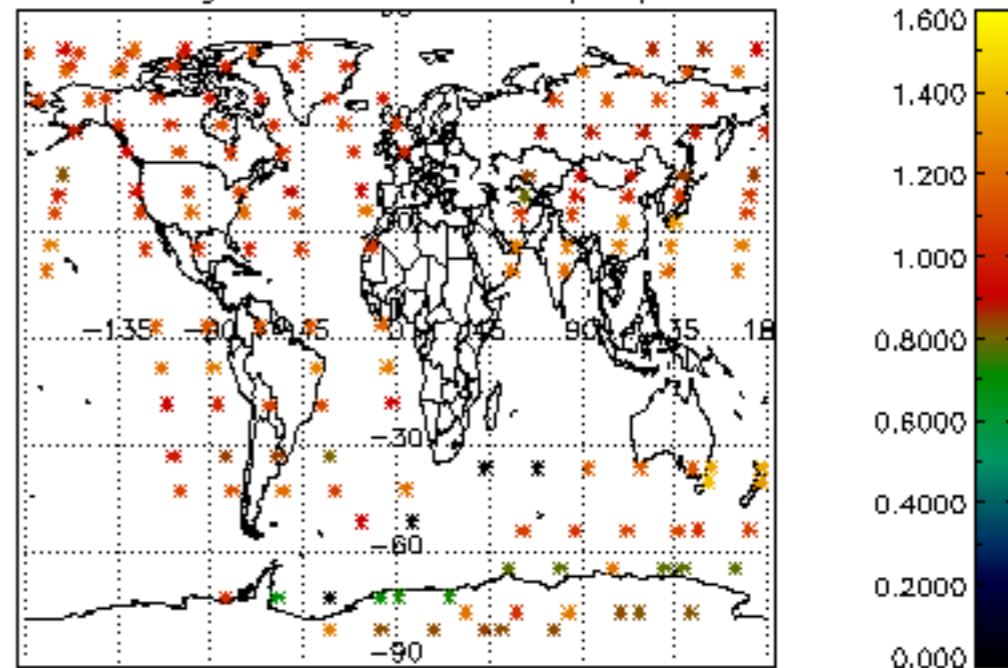




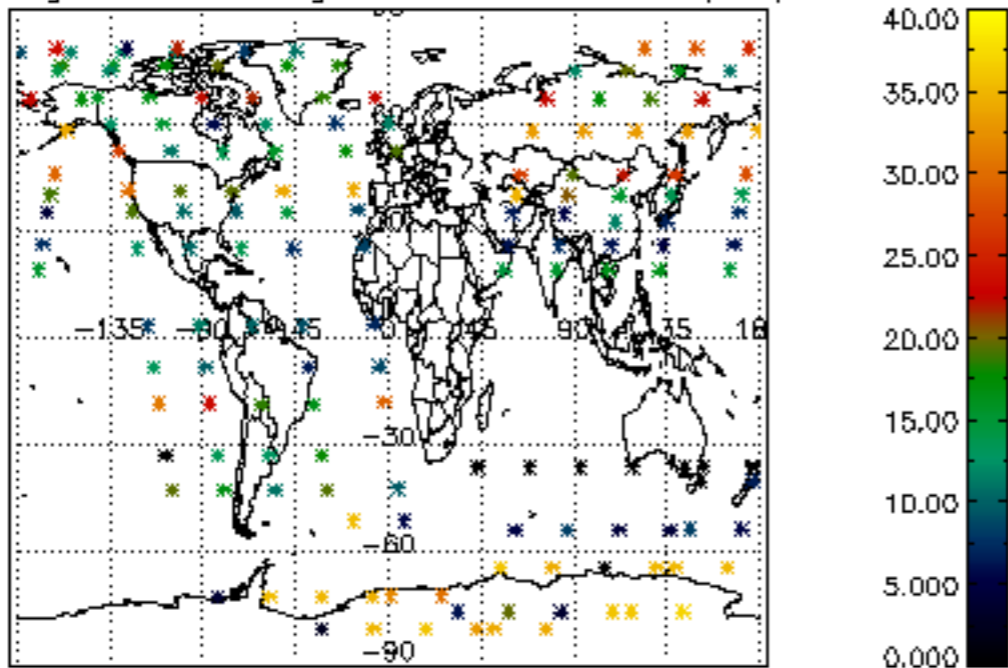
Percentage of cosmic ray hits per profile



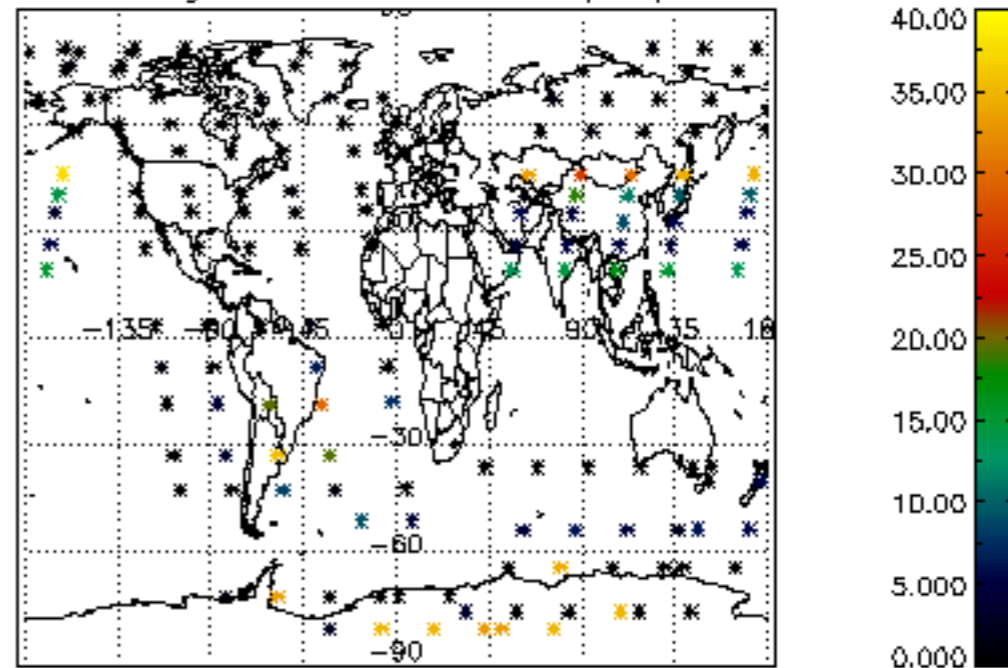
Percentage of datation errors per profile



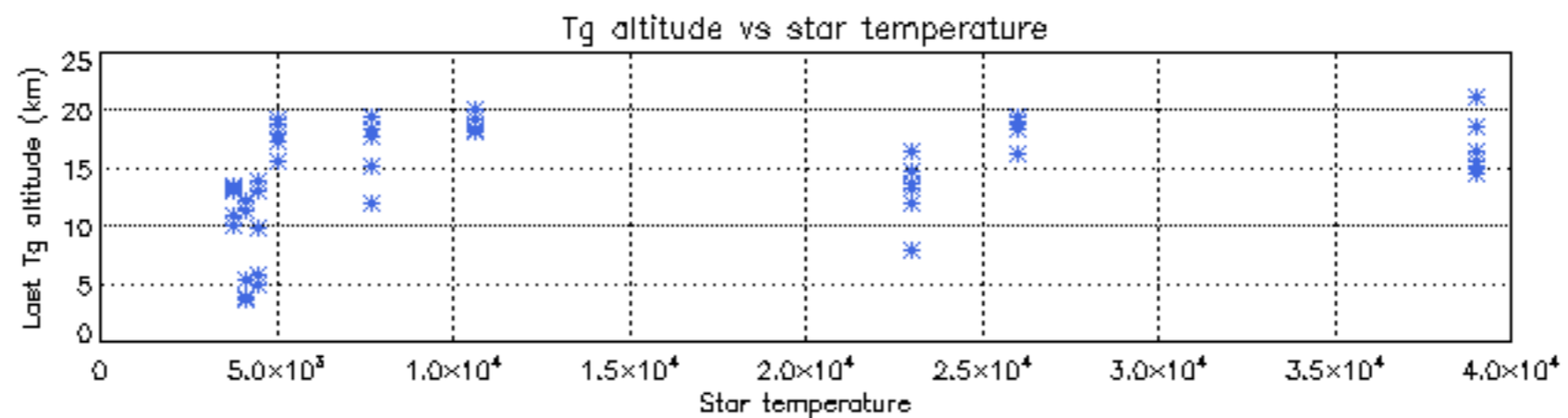
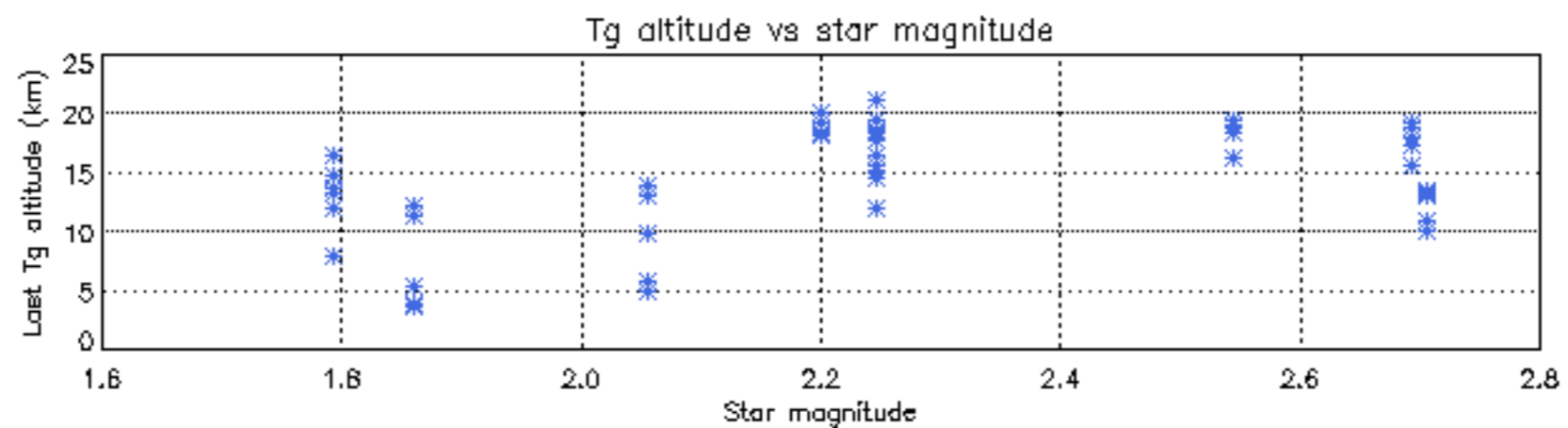
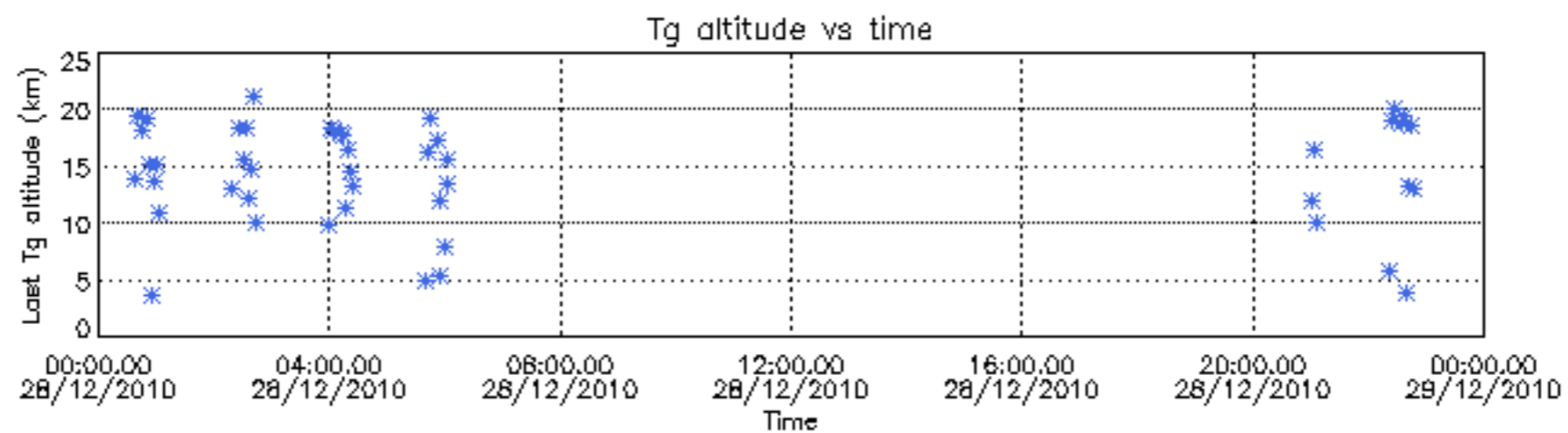
Percentage of star falling outside central band per profile



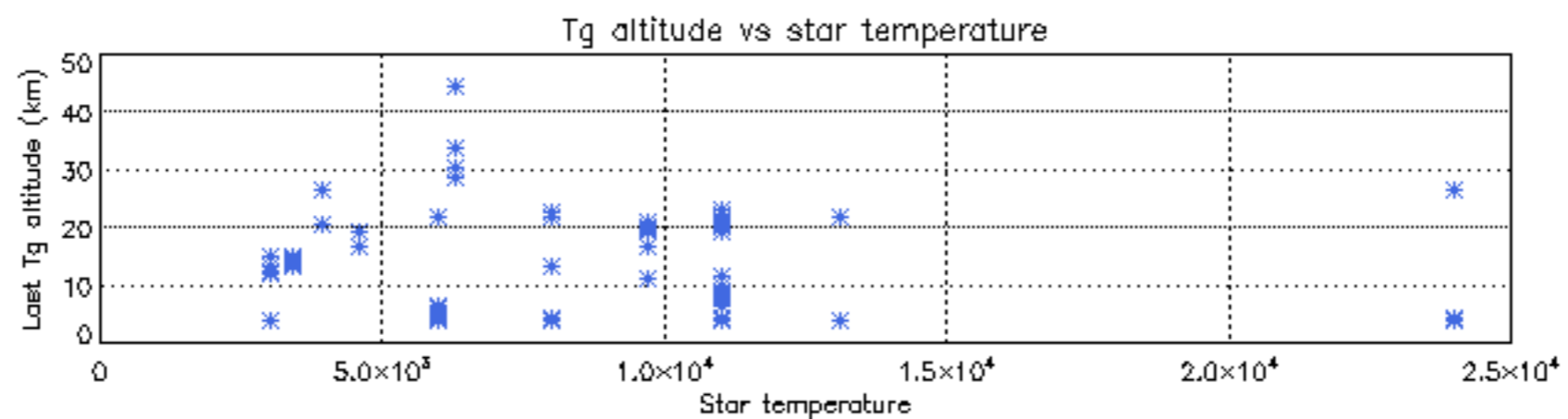
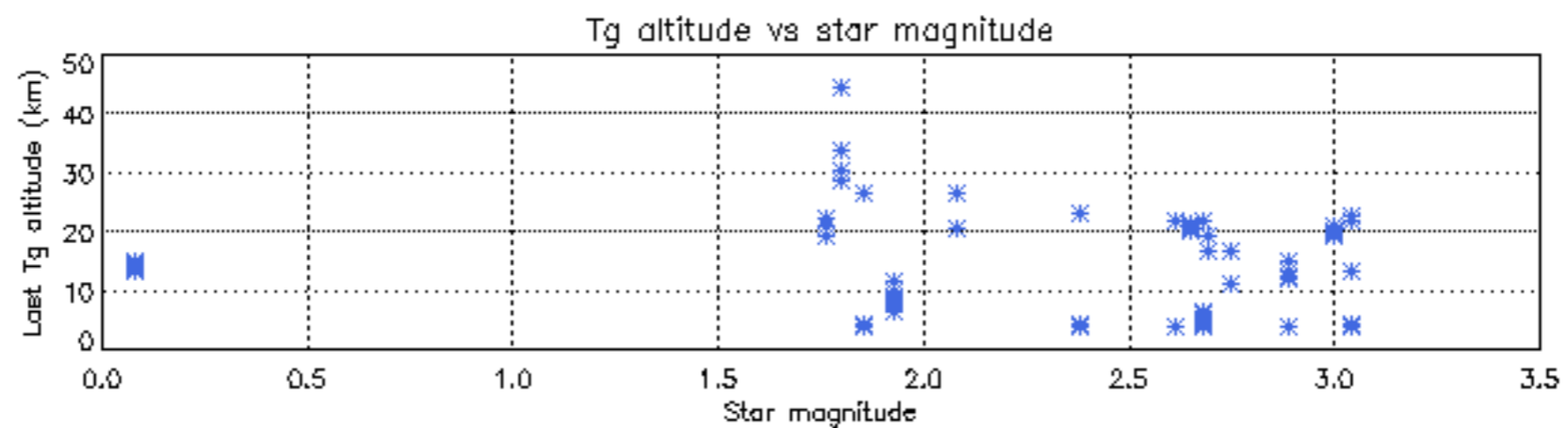
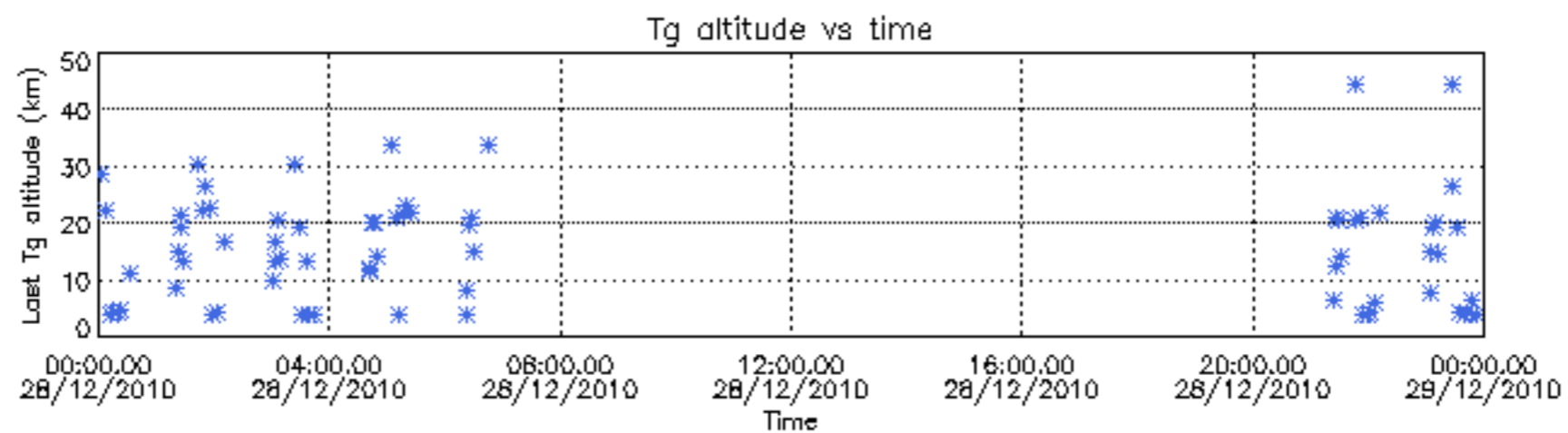
Percentage of saturation errors per profile

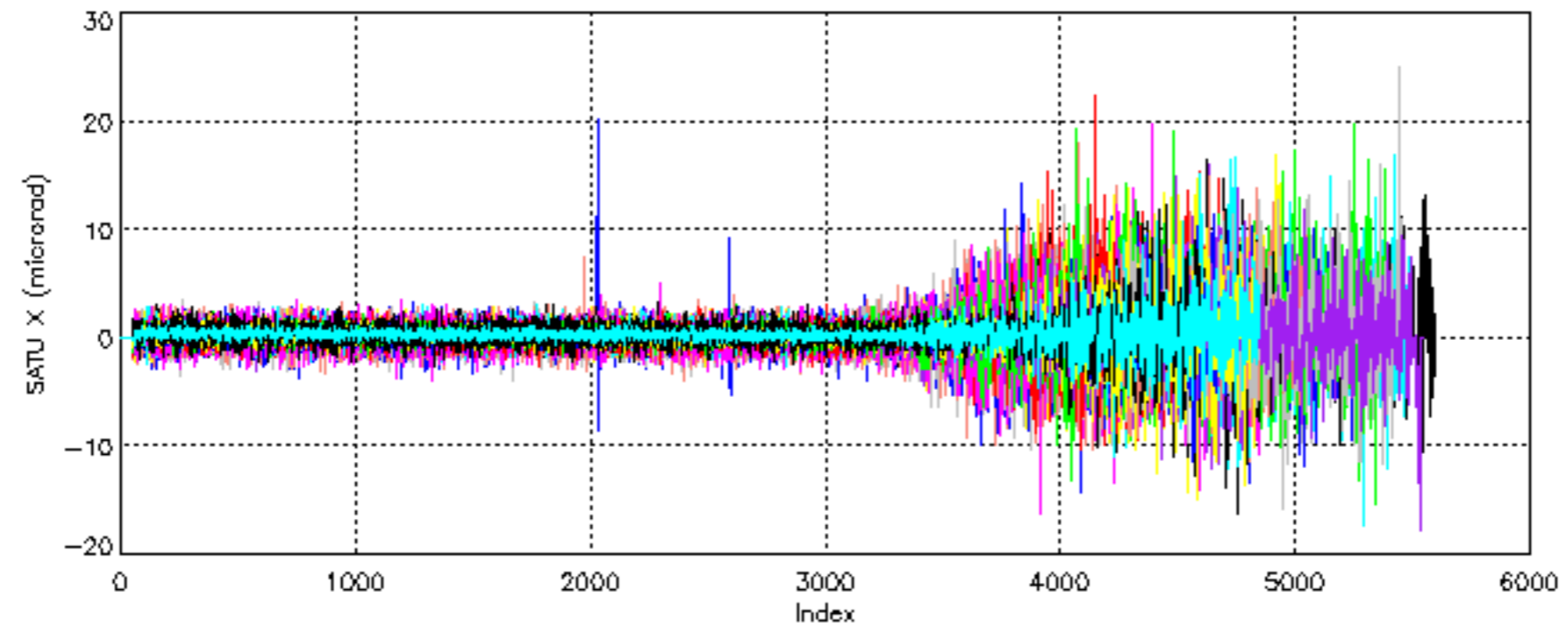


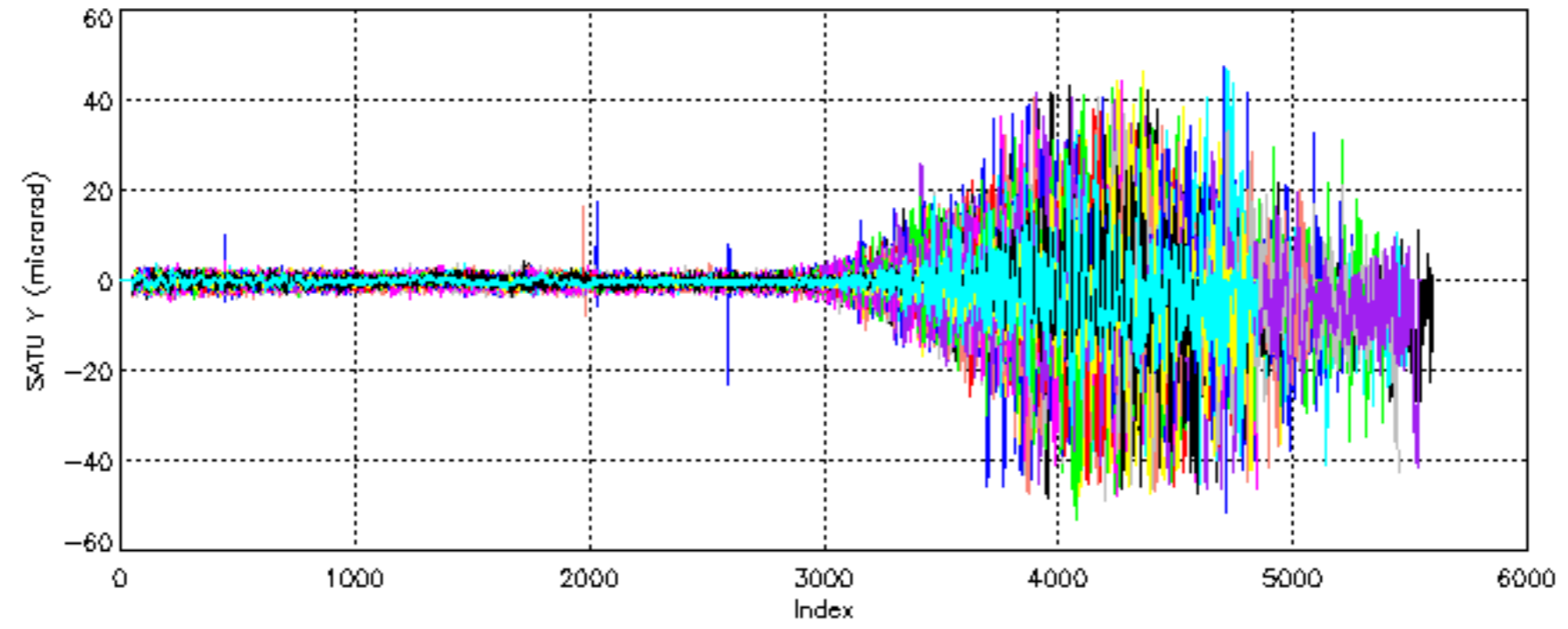
Tangent altitude at which the star is lost

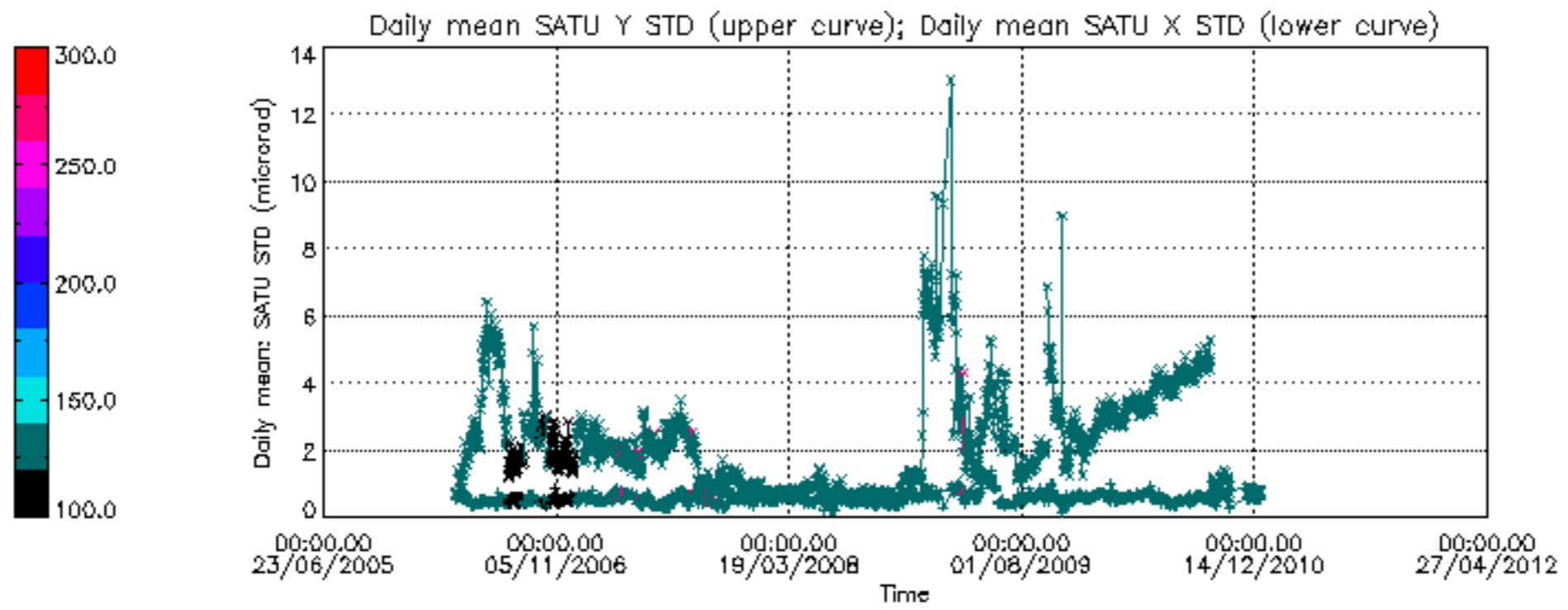


Tangent altitude at which the star is lost









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 4; 404.8; 01-DEC-2010 00:39:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45764
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 7; 907.6; 01-DEC-2010 00:47:24; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;45764
 8; 1181.6; 01-DEC-2010 00:51:58; Dark ; 47.0; 108; Alp Col ; 2.65; 15200;occ; 94; 0;45764
 9; 1523.2; 01-DEC-2010 00:57:40; Dark ; 54.5; 101; 11Alp Lep ; 2.58; 7000;occ; 109; 0;45764
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 18; 3801.3; 01-DEC-2010 01:35:38; Bright; 45.0; 36; 50Alp UMa ; 1.80; 6300;occ; 90; 0;45764
 19; 3896.8; 01-DEC-2010 01:37:13; Bright; 68.0; 82; 48Bet UMa ; 2.37; 10600;occ; 136; 0;45764
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 22; 4326.2; 01-DEC-2010 01:44:23; Bright; 39.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 78; 0;45764
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 5; 798.6; 01-DEC-2010 02:25:49; Dark ; 58.0; 2; Alp Car ; -0.74; 7000;occ; 116; 0;45765
 6; 908.6; 01-DEC-2010 02:27:39; Dark ; 64.0; 117; Pi Pup ; 2.71; 3800;occ; 128; 0;45765
 7; 1182.1; 01-DEC-2010 02:32:13; Dark ; 47.0; 108; Alp Col ; 2.65; 15200;occ; 94; 0;45765
 8; 1523.4; 01-DEC-2010 02:37:54; Dark ; 55.0; 101; 11Alp Lep ; 2.58; 7000;occ; 110; 0;45765
 9; 1739.4; 01-DEC-2010 02:41:30; Dark ; 59.0; 7; 19Bet Ori ; 0.10; 14000;occ; 118; 0;45765
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 14; 2722.2; 01-DEC-2010 02:57:53; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45765
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 11; 406.4; 01-DEC-2010 03:59:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45766
 12; 597.5; 01-DEC-2010 04:02:42; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45766
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3;	-2019.9;	01-DEC-2010	04:59:19;	Bright;	38.5;	32;	77Eps UMa	; 1.76;	11000;occ;	77;	0;	45766
4;	-1849.5;	01-DEC-2010	05:02:09;	Bright;	50.5;	174;	52Psi UMa	; 3.00;	4400;occ;	101;	0;	45766
5;	-1687.6;	01-DEC-2010	05:04:51;	Bright;	40.5;	152;	12Alp2CVn	; 2.89;	11000;occ;	81;	0;	45766
6;	-1116.1;	01-DEC-2010	05:14:23;	Bright;	62.0;	62;	94Bet Leo	; 2.14;	9700;occ;	124;	0;	45766
7;	-917.6;	01-DEC-2010	05:17:41;	Bright;	45.0;	121;	29Gam Vir	; 2.74;	7200;occ;	90;	0;	45766
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9;	-483.1;	01-DEC-2010	05:24:56;	Dark	49.0;	171;	2Eps Crv	; 3.00;	4250;occ;	98;	0;	45766
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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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 23; 4859.2; 05-DEC-2010 01:06:36; Bright; 44.0; 138; 47Eps Vir ; 2.83; 4700;occ; 88; 0;45821
 24; 5130.9; 05-DEC-2010 01:11:07; Bright; 49.5; 121; 29Gam Vir ; 2.74; 7200;occ; 99; 0;45821

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 5; 2202.6; 04-DEC-2010 17:41:23; Dark ; 57.0; 13; 87Alp Tau ; 0.87; 3800;occ; 114; 0;45817
 6; 2308.6; 04-DEC-2010 17:43:09; Bright; 38.0; 146; 25Eta Tau ; 2.87; 15200;occ; 76; 0;45817
 7; 2446.4; 04-DEC-2010 17:45:27; Bright; 39.0; 150; 44Zet Per ; 2.89; 28000;occ; 78; 0;45817
 8; 2589.6; 04-DEC-2010 17:47:50; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;45817
 9; 2714.1; 04-DEC-2010 17:49:54; Bright; 36.0; 175; 39Del Per ; 3.01; 19400;occ; 72; 0;45817
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 16; 4663.9; 04-DEC-2010 18:22:24; Bright; 37.0; 111; 8Eta Boo ; 2.68; 6000;occ; 74; 0;45817
 17; 4857.6; 04-DEC-2010 18:25:38; Bright; 42.5; 138; 47Eps Vir ; 2.83; 4700;occ; 85; 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
 22; 6463.9; 04-DEC-2010 18:52:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45818
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4; 1531.4; 04-DEC-2010 19:10:26; Dark ; 52.5; 101; 11Alp Lep ; 2.58; 7000;occ; 105; 0;45818
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16; 4120.0; 04-DEC-2010 19:53:34; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;45818
17; 4329.0; 04-DEC-2010 19:57:03; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 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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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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25; 6839.9; 04-DEC-2010 20:38:54; Dark ; 54.5; 2; Alp Car ; -0.74; 7000;occ; 109; 0;45819
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3; 1736.5; 05-DEC-2010 01:54:47; Dark ; 62.0; 7; 19Bet Ori ; 0.10; 14000;occ; 124; 80;45822
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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
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10; 3779.8; 05-DEC-2010 02:28:50; Bright; 28.5; 36; 50Alp UMa ; 1.80; 6300;occ; 57; 11;45822
11; 3878.5; 05-DEC-2010 02:30:29; Bright; 43.5; 82; 48Bet UMa ; 2.37; 10600;occ; 87; 27;45822
12; 3996.3; 05-DEC-2010 02:32:27; Bright; 41.5; 32; 77Eps UMa ; 1.76; 11000;occ; 83; 23;45822
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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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
24; 7760.7; 05-DEC-2010 03:35:11; Dark ; 32.5; 7; 19Bet Ori ; 0.10; 14000;occ; 65; 33;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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 9; 2873.9; 06-DEC-2010 08:17:57; Bright; 32.0; 42; 34Bet Aur ; 1.90; 10200;occ; 64; 0;45840

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 13; 4120.3; 06-DEC-2010 08:38:43; Bright; 35.5; 39; 85Eta UMA ; 1.85; 24000;occ; 71; 0;45840
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27; 6897.2; 13-DEC-2010 18:29:47; Dark ; 45.5; 2; Alp Car ; -0.74; 7000;occ; 91; 0;45947
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13; 1245.8; 14-DEC-2010 22:59:48; Dark ; 56.5; 23; 21Eps CMA ; 1.50; 26000;occ; 113; 0;45964
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15; 1737.3; 14-DEC-2010 23:08:00; Dark ; 46.0; 7; 19Bet Ori ; 0.10; 14000;occ; 92; 0;45964
16; 1874.0; 14-DEC-2010 23:10:16; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;45964
17; 2065.7; 14-DEC-2010 23:13:28; Dark ; 59.0; 14; 58Alp Ori ; 0.87; 3000;occ; 118; 0;45964
18; 2178.1; 14-DEC-2010 23:15:20; Dark ; 53.0; 13; 87Alp Tau ; 0.87; 3800;occ; 106; 0;45964
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21; 2658.1; 14-DEC-2010 23:23:20; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;45964
22; 2787.1; 14-DEC-2010 23:25:29; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;45964
23; 3686.2; 14-DEC-2010 23:40:29; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;45964

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 27; 4506.5; 14-DEC-2010 23:54:09; Bright; 54.0; 83; ; 2.38; 11000;occ; 108; 0;45964
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 21; 1521.8; 14-DEC-2010 08:02:18; Dark ; 55.0; 47; 2Bet CMa ; 1.98; 28000;occ; 110; 0;45955

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 6; 2442.9; 14-DEC-2010 08:17:39; Bright; 44.5; 28; 12Bet Tau ; 1.65; 15200;occ; 89; 0;45955
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 9; 3721.4; 14-DEC-2010 08:38:58; Bright; 47.5; 36; 50Alp UMa ; 1.80; 6300;occ; 95; 0;45955
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 13; 4505.4; 14-DEC-2010 13:52:43; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;45958
 14; 4701.1; 14-DEC-2010 13:55:59; Bright; 41.0; 111; 8Eta Boo ; 2.68; 6000;occ; 82; 0;45958

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 17; 5495.8; 14-DEC-2010 14:09:14; Dark ; 49.0; 169; 46Gam Hya ; 2.99; 4700;occ; 98; 0;45958
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 27; 7060.3; 14-DEC-2010 14:35:18; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;45959
 28; 7257.7; 14-DEC-2010 14:38:36; Dark ; 54.0; 23; 21Eps CMA ; 1.50; 26000;occ; 108; 0;45959

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 2; -514.0; 15-DEC-2010 00:10:42; Dark ; 44.5; 169; 46Gam Hya ; 2.99; 4700;occ; 89; 0;45964
 3; -370.3; 15-DEC-2010 00:13:06; Dark ; 55.0; 106; 9Bet Crv ; 2.65; 5600;occ; 110; 0;45964
 4; -73.4; 15-DEC-2010 00:18:03; Dark ; 47.0; 64; Gam Cen ; 2.20; 10600;occ; 94; 0;45964
 5; 23.0; 15-DEC-2010 00:19:39; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;45965
 6; 249.8; 15-DEC-2010 00:23:26; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45965
 7; 480.5; 15-DEC-2010 00:27:17; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;45965
 8; 566.4; 15-DEC-2010 00:28:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45965
 9; 757.7; 15-DEC-2010 00:31:54; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;45965
 10; 890.1; 15-DEC-2010 00:34:06; Dark ; 51.5; 2; Alp Car ; -0.74; 7000;occ; 103; 0;45965
 11; 1049.7; 15-DEC-2010 00:36:46; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;45965
 12; 1246.2; 15-DEC-2010 00:40:02; Dark ; 58.5; 23; 21Eps CMA ; 1.50; 26000;occ; 117; 0;45965
 13; 1523.2; 15-DEC-2010 00:44:39; Dark ; 54.0; 47; 2Bet CMA ; 1.98; 28000;occ; 108; 0;45965
 14; 1737.2; 15-DEC-2010 00:48:13; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;45965
 15; 1873.6; 15-DEC-2010 00:50:30; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;45965
 16; 2065.4; 15-DEC-2010 00:53:42; Dark ; 62.5; 14; 58Alp Ori ; 0.87; 3000;occ; 125; 0;45965
 17; 2177.9; 15-DEC-2010 00:55:34; Dark ; 47.5; 13; 87Alp Tau ; 0.87; 3800;occ; 95; 0;45965
 18; 2315.9; 15-DEC-2010 00:57:52; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;45965
 19; 2438.8; 15-DEC-2010 00:59:55; Bright; 44.0; 28; 12Bet Tau ; 1.65; 15200;occ; 88; 0;45965
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 21; 2786.4; 15-DEC-2010 01:05:43; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;45965
 22; 3686.1; 15-DEC-2010 01:20:42; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;45965
 23; 3964.9; 15-DEC-2010 01:25:21; Bright; 62.0; 32; 77Eps UMa ; 1.76; 11000;occ; 124; 0;45965
 24; 4117.3; 15-DEC-2010 01:27:54; Bright; 58.0; 39; 85Eta UMa ; 1.85; 24000;occ; 116; 0;45965
 25; 4315.6; 15-DEC-2010 01:31:12; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;45965
 26; 4506.5; 15-DEC-2010 01:34:23; Bright; 54.0; 83; ; 2.38; 11000;occ; 108; 0;45965
 27; 4703.0; 15-DEC-2010 01:37:39; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;45965
 28; 4934.7; 15-DEC-2010 01:41:31; Bright; 48.5; 138; 47Eps Vir ; 2.83; 4700;occ; 97; 0;45965

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 3; -277.5; 15-DEC-2010 01:54:53; Dark ; 57.5; 171; 2Eps Crv ; 3.00; 4250;occ; 115; 0;45965
 4; -72.7; 15-DEC-2010 01:58:18; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;45965
 5; 23.9; 15-DEC-2010 01:59:54; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;45966
 6; 250.7; 15-DEC-2010 02:03:41; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45966
 7; 481.2; 15-DEC-2010 02:07:31; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;45966
 8; 567.2; 15-DEC-2010 02:08:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45966
 9; 758.4; 15-DEC-2010 02:12:09; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;45966
 10; 890.5; 15-DEC-2010 02:14:21; Dark ; 40.0; 2; Alp Car ; -0.74; 7000;occ; 80; 0;45966
 11; 1050.4; 15-DEC-2010 02:17:01; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;45966
 12; 1246.7; 15-DEC-2010 02:20:17; Dark ; 53.5; 23; 21Eps CMA ; 1.50; 26000;occ; 107; 0;45966
 13; 1523.4; 15-DEC-2010 02:24:54; Dark ; 56.0; 47; 2Bet CMA ; 1.98; 28000;occ; 112; 0;45966
 14; 1737.3; 15-DEC-2010 02:28:28; Dark ; 52.5; 7; 19Bet Ori ; 0.10; 14000;occ; 105; 0;45966
 15; 1873.6; 15-DEC-2010 02:30:44; Dark ; 50.5; 30; 46Eps Ori ; 1.69; 30000;occ; 101; 0;45966
 16; 2065.0; 15-DEC-2010 02:33:55; Dark ; 67.0; 14; 58Alp Ori ; 0.87; 3000;occ; 134; 0;45966
 17; 2177.9; 15-DEC-2010 02:35:48; Dark ; 50.5; 13; 87Alp Tau ; 0.87; 3800;occ; 101; 0;45966
 18; 2315.7; 15-DEC-2010 02:38:06; Bright; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;45966
 19; 2438.3; 15-DEC-2010 02:40:09; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;45966
 20; 2656.6; 15-DEC-2010 02:43:47; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;45966
 21; 2786.1; 15-DEC-2010 02:45:56; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;45966

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4;-1698.3; 15-DEC-2010 03:11:26; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;45966
5;-1507.2; 15-DEC-2010 03:14:37; Bright; 46.0; 83; ; 2.38; 11000;occ; 92; 0;45966
6;-1310.7; 15-DEC-2010 03:17:54; Bright; 50.5; 111; 8Eta Boo ; 2.68; 6000;occ; 101; 0;45966
7;-1078.7; 15-DEC-2010 03:21:46; Bright; 73.0; 138; 47Eps Vir ; 2.83; 4700;occ; 146; 0;45966
8; -721.8; 15-DEC-2010 03:27:43; Dark ; 55.5; 15; 67Alp Vir ; 0.98; 28000;occ; 111; 0;45966
9; -512.4; 15-DEC-2010 03:31:12; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;45966
10; -368.0; 15-DEC-2010 03:33:36; Dark ; 52.5; 106; 9Bet Crv ; 2.65; 5600;occ; 105; 0;45966
11; -72.0; 15-DEC-2010 03:38:32; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;45966
12; 24.7; 15-DEC-2010 03:40:09; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;45967
13; 251.7; 15-DEC-2010 03:43:56; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45967
14; 481.9; 15-DEC-2010 03:47:46; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;45967
15; 567.9; 15-DEC-2010 03:49:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45967
16; 759.1; 15-DEC-2010 03:52:23; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;45967
17; 891.1; 15-DEC-2010 03:54:35; Dark ; 48.0; 2; Alp Car ;-0.74; 7000;occ; 96; 0;45967
18; 1051.0; 15-DEC-2010 03:57:15; Dark ; 57.5; 117; Pi Pup ; 2.71; 3800;occ; 115; 0;45967
19; 1247.3; 15-DEC-2010 04:00:32; Dark ; 54.5; 23; 21Eps CMa ; 1.50; 26000;occ; 109; 0;45967
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21; 1737.4; 15-DEC-2010 04:08:42; Dark ; 49.0; 7; 19Bet Ori ; 0.10; 14000;occ; 98; 0;45967
22; 1873.7; 15-DEC-2010 04:10:58; Dark ; 50.5; 30; 46Eps Ori ; 1.69; 30000;occ; 101; 0;45967
23; 2064.9; 15-DEC-2010 04:14:09; Dark ; 64.0; 14; 58Alp Ori ; 0.87; 3000;occ; 128; 0;45967
24; 2178.0; 15-DEC-2010 04:16:02; Dark ; 53.5; 13; 87Alp Tau ; 0.87; 3800;occ; 107; 0;45967
25; 2315.3; 15-DEC-2010 04:18:20; Bright; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;45967
26; 2438.0; 15-DEC-2010 04:20:22; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;45967
27; 2656.2; 15-DEC-2010 04:24:01; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;45967
28; 2785.6; 15-DEC-2010 04:26:10; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;45967
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3;-1896.8; 15-DEC-2010 04:48:22; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;45967
4;-1698.3; 15-DEC-2010 04:51:40; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;45967
5;-1507.0; 15-DEC-2010 04:54:51; Bright; 54.0; 83; ; 2.38; 11000;occ; 108; 0;45967
6;-1310.3; 15-DEC-2010 04:58:08; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;45967
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9; -511.8; 15-DEC-2010 05:11:27; Dark ; 46.5; 169; 46Gam Hya ; 2.99; 4700;occ; 93; 0;45967
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13; 25.2; 15-DEC-2010 05:20:24; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;45968
14; 252.4; 15-DEC-2010 05:24:11; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45968
15; 482.6; 15-DEC-2010 05:28:01; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;45968
16; 568.6; 15-DEC-2010 05:29:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45968
17; 759.8; 15-DEC-2010 05:32:38; Dark ; 54.5; 34; Gam2Vel ; 1.79; 23000;occ; 109; 0;45968
18; 891.5; 15-DEC-2010 05:34:50; Dark ; 52.0; 2; Alp Car ;-0.74; 7000;occ; 104; 0;45968
19; 1051.5; 15-DEC-2010 05:37:30; Dark ; 52.0; 117; Pi Pup ; 2.71; 3800;occ; 104; 0;45968
20; 1247.7; 15-DEC-2010 05:40:46; Dark ; 58.0; 23; 21Eps CMa ; 1.50; 26000;occ; 116; 0;45968
21; 1523.8; 15-DEC-2010 05:45:22; Dark ; 54.5; 47; 2Bet CMa ; 1.98; 28000;occ; 109; 0;45968
22; 1737.5; 15-DEC-2010 05:48:56; Dark ; 56.0; 7; 19Bet Ori ; 0.10; 14000;occ; 112; 0;45968
23; 1873.6; 15-DEC-2010 05:51:12; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;45968
24; 2064.5; 15-DEC-2010 05:54:23; Dark ; 59.5; 14; 58Alp Ori ; 0.87; 3000;occ; 119; 0;45968
25; 2177.9; 15-DEC-2010 05:56:16; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;45968
26; 2314.9; 15-DEC-2010 05:58:33; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;45968
27; 2437.6; 15-DEC-2010 06:00:36; Bright; 41.5; 28; 12Bet Tau ; 1.65; 15200;occ; 83; 0;45968
28; 2655.7; 15-DEC-2010 06:04:14; Bright; 45.5; 107; 37The Aur ; 2.65; 11000;occ; 91; 0;45968
29; 2784.9; 15-DEC-2010 06:06:23; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;45968
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3; 1251.6; 15-DEC-2010 20:42:56; Dark ; 56.0; 23; 21Eps CMa ; 1.50; 26000;occ; 112; 0;45977
4; 1525.0; 15-DEC-2010 20:47:30; Dark ; 52.5; 47; 2Bet CMa ; 1.98; 28000;occ; 105; 0;45977
5; 1737.9; 15-DEC-2010 20:51:03; Dark ; 49.5; 7; 19Bet Ori ; 0.10; 14000;occ; 99; 0;45977
6; 1872.7; 15-DEC-2010 20:53:17; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;45977
7; 2061.4; 15-DEC-2010 20:56:26; Dark ; 57.5; 14; 58Alp Ori ; 0.87; 3000;occ; 115; 0;45977
8; 2177.2; 15-DEC-2010 20:58:22; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;45977
9; 2311.1; 15-DEC-2010 21:00:36; Bright; 58.0; 176; 23Zet Tau ; 3.02; 22000;occ; 116; 0;45977
10; 2434.0; 15-DEC-2010 21:02:39; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;45977
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14; 3940.6; 15-DEC-2010 21:27:45; Bright; 34.0; 87; 64Gam UMa ; 2.43; 11000;occ; 68; 0;45977
15; 4001.7; 15-DEC-2010 21:28:46; Bright; 38.5; 55; 79Zet UMa ; 2.06; 10200;occ; 77; 0;45977
16; 4116.6; 15-DEC-2010 21:30:41; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;45977
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19; 4706.8; 15-DEC-2010 21:40:31; Bright; 43.5; 111; 8Eta Boo ; 2.68; 6000;occ; 87; 0;45977
20; 4942.5; 15-DEC-2010 21:44:27; Bright; 74.0; 138; 47Eps Vir ; 2.83; 4700;occ; 148; 0;45977
21; 5300.1; 15-DEC-2010 21:50:25; Dark ; 32.0; 15; 67Alp Vir ; 0.98; 28000;occ; 64; 0;45977
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 4; -262.0; 15-DEC-2010 21:57:57; Dark ; 59.5; 171; 2Eps Crv ; 3.00; 4250;occ; 119; 0;45977
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23; 3685.9; 15-DEC-2010 23:03:45; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 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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51; 8323.7; 16-DEC-2010 03:41:30; Bright; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;45981
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53; 8661.6; 16-DEC-2010 03:47:08; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;45981
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25; 6597.6; 16-DEC-2010 14:54:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45988
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 13; 1364.4; 17-DEC-2010 01:08:47; Dark ; 39.0; 179; 240mi2CMa ; 3.03; 24000;occ; 78; 0;45994
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 16; 1870.9; 17-DEC-2010 01:17:14; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;45994
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 22; 2770.0; 17-DEC-2010 01:32:13; Bright; 45.0; 42; 34Bet Aur ; 1.90; 10200;occ; 90; 0;45994
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 25; 4115.5; 17-DEC-2010 01:54:38; Bright; 43.0; 39; 85Eta UMa ; 1.85; 24000;occ; 86; 0;45994
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13; 1369.0; 18-DEC-2010 00:32:08; Dark ; 51.0; 179; 240mi2CMA ; 3.03; 24000;occ; 102; 0;46008
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16; 1869.9; 18-DEC-2010 00:40:29; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;46008
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23; 3685.1; 18-DEC-2010 01:10:44; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;46008
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26; 4319.3; 18-DEC-2010 01:21:19; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;46008
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28; 4716.6; 18-DEC-2010 01:27:56; Bright; 41.0; 111; 8Eta Boo ; 2.68; 6000;occ; 82; 0;46008
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12; 4318.5; 17-DEC-2010 08:38:58; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;45998
13; 4512.3; 17-DEC-2010 08:42:11; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;45998
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22; 6605.7; 17-DEC-2010 09:17:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45999
23; 6795.8; 17-DEC-2010 09:20:15; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;45999
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9; 3685.4; 17-DEC-2010 10:08:39; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;45999
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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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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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 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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 22; 6649.4; 21-DEC-2010 15:12:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46060
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 22; 6105.3; 22-DEC-2010 17:46:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46076
 23; 6363.9; 22-DEC-2010 17:51:03; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46076
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 13; 3936.9; 22-DEC-2010 18:50:50; Bright; 46.0; 32; 77Eps UMa ; 1.76; 11000;occ; 92; 0;46076
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13; 1390.8; 23-DEC-2010 02:29:34; Dark ; 48.5; 179; 240mi2CMa ; 3.03; 24000;occ; 97; 0;46081
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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
5; 379.8; 25-DEC-2010 00:59:16; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;46109
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
10; 1122.8; 25-DEC-2010 01:11:39; Dark ; 52.5; 117; Pi Pup ; 2.71; 3800;occ; 105; 0;46109
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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
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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
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21; 3680.3; 25-DEC-2010 01:54:16; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;46109
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
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5; 24.7; 25-DEC-2010 02:33:35; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;46110
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
8; 568.2; 25-DEC-2010 02:42:38; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 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
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27; 2396.0; 25-DEC-2010 04:53:20; Bright; 41.0; 28; 12Bet Tau ; 1.65; 15200;occ; 82; 0;46111
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26; 4327.3; 25-DEC-2010 23:48:06; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;46122
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21;	4327.9;	26-DEC-2010	23:11:23;	Bright;	;	38.0;	180;	27Gam Boo	;	3.04;	8000;occ;	76;	0;	46136
22;	4537.4;	26-DEC-2010	23:14:52;	Bright;	;	39.5;	83;		;	2.38;	11000;occ;	79;	0;	46136
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 17; 3907.6; 28-DEC-2010 21:50:55; Bright; 46.5; 32; 77Eps UMA ; 1.76; 11000;occ; 93; 0;46164
 18; 4095.5; 28-DEC-2010 21:54:03; Bright; 64.0; 39; 85Eta UMA ; 1.85; 24000;occ; 128; 0;46164
 19; 4329.4; 28-DEC-2010 21:57:57; Bright; 61.0; 180; 27Gam Boo ; 3.04; 8000;occ; 122; 0;46164
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 21; 4778.4; 28-DEC-2010 22:05:26; Bright; 69.0; 111; 8Eta Boo ; 2.68; 6000;occ; 138; 0;46164
 22; 5151.8; 28-DEC-2010 22:11:39; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;46164

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6; 430.3; 28-DEC-2010 22:33:12; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;46165
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22; 2682.1; 28-DEC-2010 23:10:44; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;46165
23; 3603.4; 28-DEC-2010 23:26:05; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;46165
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27; 4329.3; 28-DEC-2010 23:38:11; Bright; 61.0; 180; 27Gam Boo ; 3.04; 8000;occ; 122; 0;46165
28; 4543.0; 28-DEC-2010 23:41:44; Bright; 60.0; 83; ; 2.38; 11000;occ; 120; 0;46165
29; 4778.8; 28-DEC-2010 23:45:40; Bright; 69.0; 111; 8Eta Boo ; 2.68; 6000;occ; 138; 0;46165
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23; 3675.8; 29-DEC-2010 01:07:31; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;46166
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25; 4095.2; 29-DEC-2010 01:14:31; Bright; 45.0; 39; 85Eta UMa ; 1.85; 24000;occ; 90; 0;46166
26; 4329.2; 29-DEC-2010 01:18:25; Bright; 61.0; 180; 27Gam Boo ; 3.04; 8000;occ; 122; 0;46166
27; 4543.3; 29-DEC-2010 01:21:59; Bright; 60.0; 83; ; 2.38; 11000;occ; 120; 0;46166
28; 4779.3; 29-DEC-2010 01:25:55; Bright; 60.0; 111; 8Eta Boo ; 2.68; 6000;occ; 120; 0;46166
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4; -1685.1; 28-DEC-2010 06:55:50; Bright; 60.0; 180; 27Gam Boo ; 3.04; 8000;occ; 120; 0;46155
5; -1472.9; 28-DEC-2010 06:59:22; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;46155
6; -1239.8; 28-DEC-2010 07:03:16; Bright; 73.0; 111; 8Eta Boo ; 2.68; 6000;occ; 146; 0;46155
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27; 7435.2; 31-DEC-2010 12:38:21; Dark ; 45.0; 179; 240mi2CMA ; 3.03; 24000;occ; 90; 0;46202
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12; 4330.6; 31-DEC-2010 13:26:51; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;46202
13; 4550.5; 31-DEC-2010 13:30:31; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;46202
14; 4744.6; 31-DEC-2010 13:33:45; Bright; 52.5; 3; 16Alp Boo ; -0.05; 4250;occ; 105; 0;46202
15; 5167.7; 31-DEC-2010 13:40:48; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;46202
16; 5325.6; 31-DEC-2010 13:43:26; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;46202
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19; 6110.6; 31-DEC-2010 13:56:31; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;46203
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21; 6478.4; 31-DEC-2010 14:02:39; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;46203
22; 6634.3; 31-DEC-2010 14:05:14; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;46203
23; 6729.6; 31-DEC-2010 14:06:50; Dark ; 43.5; 41; Eps Car ; 1.86; 4100;occ; 87; 0;46203
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27; 7343.0; 31-DEC-2010 14:17:03; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 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
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 22; 6479.3; 31-DEC-2010 15:42:53; Dark ; 49.5; 113; Mu Vel ; 2.69; 5000;occ; 99; 0;46204
 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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 5; 1869.2; 31-DEC-2010 16:06:17; Dark ; 43.0; 30; 46Eps Ori ; 1.69; 30000;occ; 86; 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
 14; 4330.9; 31-DEC-2010 16:47:19; Bright; 43.5; 180; 27Gam Boo ; 3.04; 8000;occ; 87; 0;46204
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 16; 4745.4; 31-DEC-2010 16:54:14; Bright; 53.0; 3; 16Alp Boo ; -0.05; 4250;occ; 106; 0;46204
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 18; 5326.8; 31-DEC-2010 17:03:55; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;46204
 19; 5738.3; 31-DEC-2010 17:10:47; Dark ; 52.5; 54; 5The Cen ; 2.06; 4500;occ; 105; 0;46204
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 21; 6112.2; 31-DEC-2010 17:17:00; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;46205
 22; 6221.0; 31-DEC-2010 17:18:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46205
 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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 26; 6920.1; 31-DEC-2010 17:30:28; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;46205
 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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 13; 3891.6; 31-DEC-2010 18:20:14; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;46205
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 15; 4330.8; 31-DEC-2010 18:27:33; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;46205
 16; 4551.1; 31-DEC-2010 18:31:13; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;46205
 17; 4745.8; 31-DEC-2010 18:34:28; Bright; 52.5; 3; 16Alp Boo ; -0.05; 4250;occ; 105; 0;46205
 18; 5169.1; 31-DEC-2010 18:41:31; Bright; 45.5; 104; 27Bet Lib ; 2.61; 13100;occ; 91; 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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2;	1162.1;	31-DEC-2010	19:14:59;	Dark	;	47.0;	117;	Pi Pup	;	2.71;	3800;occ;	94;	0;	46206
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
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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
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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