

GOMOS Daily Report 24-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	27DEC2010 05:00:03
Data source version	GOMOS/5.01
Start time of products	24DEC2010 00:00:30
Stop time of products	24DEC2010 23:57:33
Store outputs in DB	Yes
Nb of level 1b prods	189
Nb of prods with errors	1

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

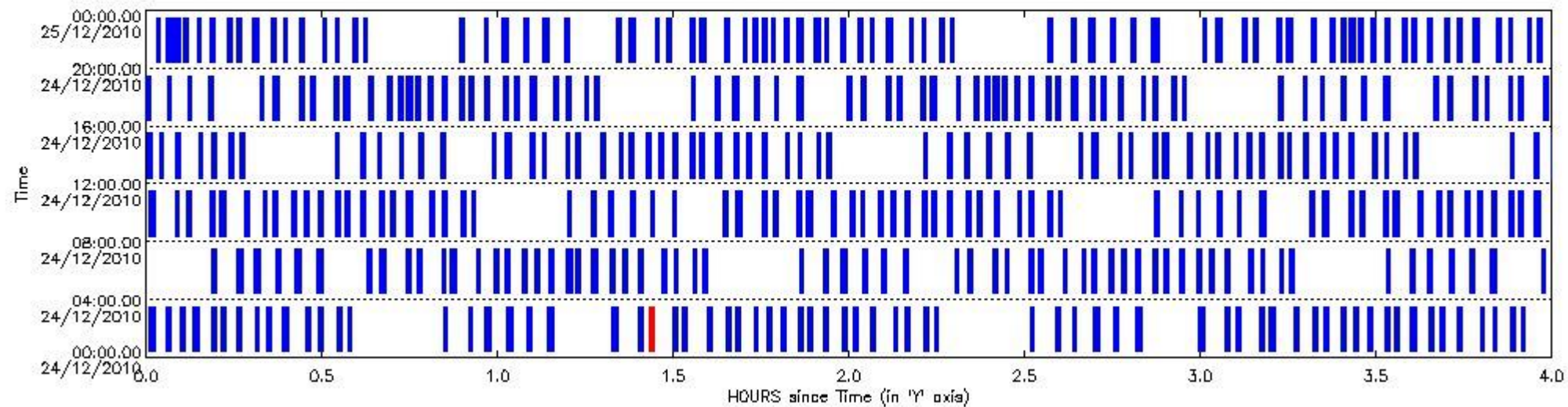
2.1 Level 0 products arrived in PCF (see template [here](#))

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
24-DEC-2010 01:25:47	lotCen	123	46094

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_1PNPDE20101224_000030_000000563097_00390_46094_8788.N1	24-DEC-2010 00:00:30	Dark	55.500	41	Eps Car	1.8600	4100.0	111	46094	No
2	GOM_TRA_1PNPDE20101224_000329_000000453097_00390_46094_8789.N1	24-DEC-2010 00:03:29	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	46094	No
3	GOM_TRA_1PNPDE20101224_000540_000000483097_00390_46094_8790.N1	24-DEC-2010 00:05:40	Dark	48.000	70	Zet Pup	2.2460	39000.	96	46094	No
4	GOM_TRA_1PNPDE20101224_000802_000000523097_00390_46094_8791.N1	24-DEC-2010 00:08:02	Dark	51.500	117	Pi Pup	2.7060	3800.0	103	46094	No
5	GOM_TRA_1PNPDE20101224_001101_000000523097_00390_46094_8792.N1	24-DEC-2010 00:11:01	Straylight	51.500	23	21Eps CMa	1.5020	26000.	103	46094	No
6	GOM_TRA_1PNPDE20101224_001240_000000473097_00390_46094_8793.N1	24-DEC-2010 00:12:40	Straylight	47.000	179	24Omi2CMa	3.0320	24000.	94	46094	No
7	GOM_TRA_1PNPDE20101224_001522_000000583097_00390_46094_8794.N1	24-DEC-2010 00:15:22	Straylight	57.500	1	9Alp CMa	-1.4400	11000.	115	46094	No
8	GOM_TRA_1PNPDE20101224_001831_000000443097_00390_46094_8795.N1	24-DEC-2010 00:18:31	Straylight	44.000	7	19Bet Ori	0.10000	14000.	88	46094	No
9	GOM_TRA_1PNPDE20101224_002032_000000473097_00390_46094_8796.N1	24-DEC-2010 00:20:32	Straylight	47.000	30	46Eps Ori	1.6940	30000.	94	46094	No
10	GOM_TRA_1PNPDE20101224_002318_000000603097_00390_46094_8797.N1	24-DEC-2010 00:23:18	Twilight_stray	60.000	14	58Alp Ori	0.87000	3000.0	120	46094	No

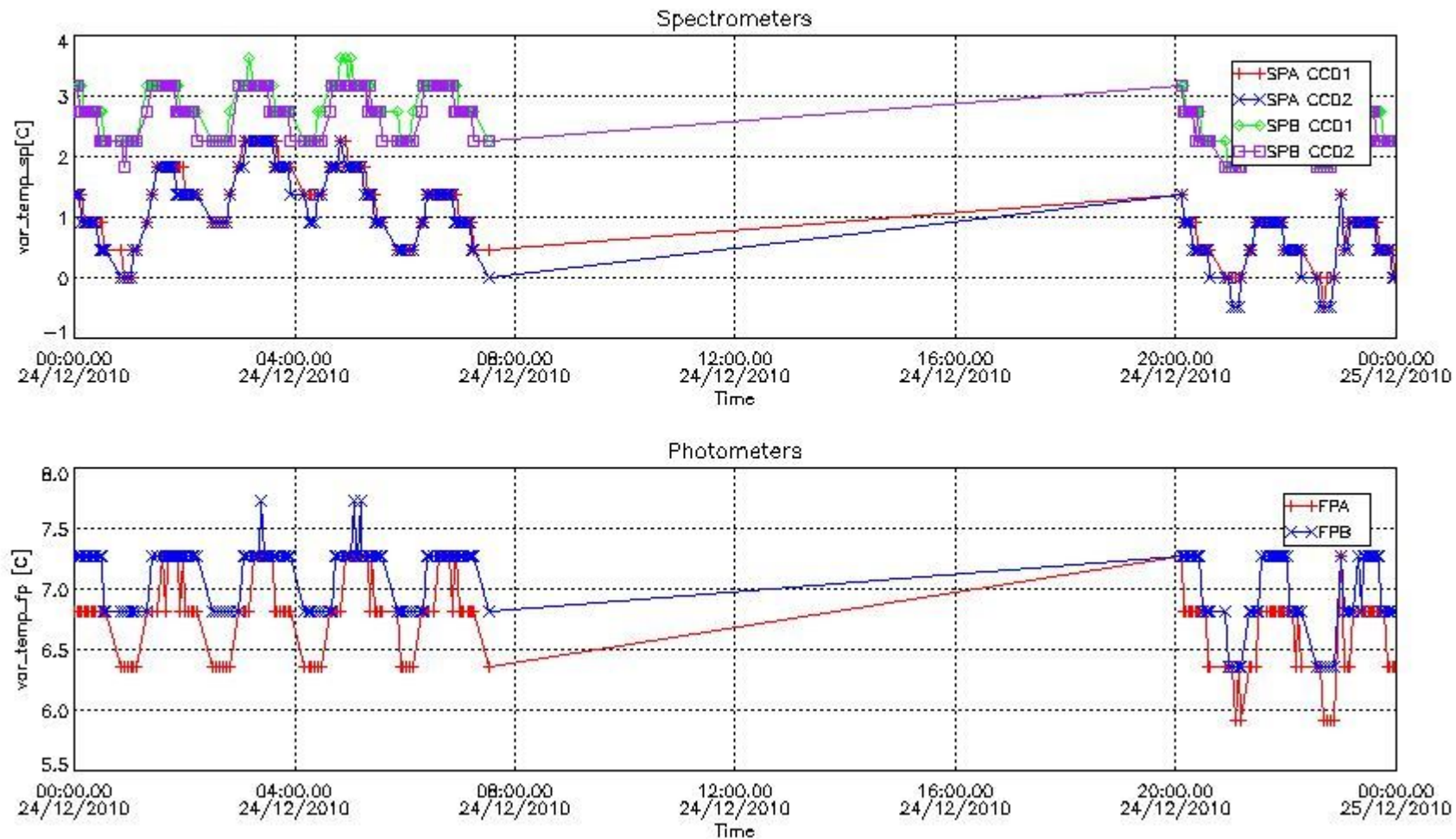
11	GOM_TRA_1PNPDE20101224_002721_000000423097_00390_46094_8798.N1	24-DEC-2010 00:27:21	Bright	41.500	176	23Zet Tau	3.0200	22000.	83	46094	No
12	GOM_TRA_1PNPDE20101224_002925_000000413097_00390_46094_8799.N1	24-DEC-2010 00:29:25	Bright	41.000	28	12Bet Tau	1.6500	15200.	82	46094	No
13	GOM_TRA_1PNPDE20101224_003235_000000413097_00390_46094_8800.N1	24-DEC-2010 00:32:35	Bright	41.000	107	37The Aur	2.6490	11000.	82	46094	No
14	GOM_TRA_1PNPDE20101224_003420_000000423097_00390_46094_8801.N1	24-DEC-2010 00:34:20	Bright	41.500	6	13Alp Aur	0.080000	3400.0	83	46094	No
15	GOM_TRA_1PNPDE20101224_005047_000000383097_00390_46094_8802.N1	24-DEC-2010 00:50:47	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	46094	No
16	GOM_TRA_1PNPDE20101224_005457_000000453097_00390_46094_8803.N1	24-DEC-2010 00:54:57	Bright	45.000	32	77Eps UMa	1.7630	11000.	90	46094	No
17	GOM_TRA_1PNPDE20101224_005752_000000623097_00390_46094_8804.N1	24-DEC-2010 00:57:52	Bright	62.000	39	85Eta UMa	1.8540	24000.	124	46094	No
18	GOM_TRA_1PNPDE20101224_010131_000000583097_00390_46094_8805.N1	24-DEC-2010 01:01:31	Bright	58.000	180	27Gam Boo	3.0400	8000.0	116	46094	No
19	GOM_TRA_1PNPDE20101224_010455_000000573097_00390_46094_8806.N1	24-DEC-2010 01:04:55	Bright	57.000	83		2.3780	11000.	114	46094	No
20	GOM_TRA_1PNPDE20101224_010834_000000673097_00390_46094_8807.N1	24-DEC-2010 01:08:34	Bright	66.500	111	8Eta Boo	2.6800	6000.0	133	46094	No
21	GOM_TRA_1PNPDE20101224_011925_000000623097_00390_46094_8827.N1	24-DEC-2010 01:19:25	Twilight	62.000	15	67Alp Vir	0.97600	28000.	124	46094	No
22	GOM_TRA_1PNPDE20101224_012354_000000523097_00390_46094_8828.N1	24-DEC-2010 01:23:54	Dark	52.000	54	5The Cen	2.0550	4500.0	104	46094	No
23	GOM_TRA_1PNPDE20101224_012953_000000423097_00391_46095_8829.N1	24-DEC-2010 01:29:53	Dark	41.500	64	Gam Cen	2.2000	10600.	83	46095	No
24	GOM_TRA_1PNPDE20101224_013547_000000483097_00391_46095_8830.N1	24-DEC-2010 01:35:47	Dark	48.000	113	Mu Vel	2.6920	5000.0	96	46095	No
25	GOM_TRA_1PNPDE20101224_013859_000000423097_00391_46095_8831.N1	24-DEC-2010 01:38:59	Dark	42.000	71	lot Car	2.2460	7700.0	84	46095	No
26	GOM_TRA_1PNPDE20101224_014044_000000473097_00391_46095_8832.N1	24-DEC-2010 01:40:44	Dark	47.000	41	Eps Car	1.8600	4100.0	94	46095	No
27	GOM_TRA_1PNPDE20101224_014344_000000453097_00391_46095_8833.N1	24-DEC-2010 01:43:44	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	46095	No
28	GOM_TRA_1PNPDE20101224_014554_000000473097_00391_46095_8834.N1	24-DEC-2010 01:45:54	Dark	47.000	70	Zet Pup	2.2460	39000.	94	46095	No
29	GOM_TRA_1PNPDE20101224_014816_000000513097_00391_46095_8835.N1	24-DEC-2010 01:48:16	Dark	50.500	117	Pi Pup	2.7060	3800.0	101	46095	No
30	GOM_TRA_1PNPDE20101224_015116_000000503097_00391_46095_8836.N1	24-DEC-2010 01:51:16	Straylight	50.000	23	21Eps CMa	1.5020	26000.	100	46095	No
31	GOM_TRA_1PNPDE20101224_015254_000000483097_00391_46095_8837.N1	24-DEC-2010 01:52:54	Straylight	48.000	179	24Omi2CMa	3.0320	24000.	96	46095	No
32	GOM_TRA_1PNPDE20101224_015536_000000523097_00391_46095_8838.N1	24-DEC-2010 01:55:36	Straylight	52.000	1	9Alp CMa	-1.4400	11000.	104	46095	No
33	GOM_TRA_1PNPDE20101224_015845_000000483097_00391_46095_8839.N1	24-DEC-2010 01:58:45	Straylight	47.500	7	19Bet Ori	0.10000	14000.	95	46095	No
34	GOM_TRA_1PNPDE20101224_020046_000000453097_00391_46095_8840.N1	24-DEC-2010 02:00:46	Straylight	45.000	30	46Eps Ori	1.6940	30000.	90	46095	No
35	GOM_TRA_1PNPDE20101224_020332_000000603097_00391_46095_8841.N1	24-DEC-2010 02:03:32	Twilight	60.000	14	58Alp Ori	0.87000	3000.0	120	46095	No
36	GOM_TRA_1PNPDE20101224_020734_000000433097_00391_46095_8842.N1	24-DEC-2010 02:07:34	Bright	42.500	176	23Zet Tau	3.0200	22000.	85	46095	No
37	GOM_TRA_1PNPDE20101224_020939_000000413097_00391_46095_8843.N1	24-DEC-2010 02:09:39	Bright	41.000	28	12Bet Tau	1.6500	15200.	82	46095	No
38	GOM_TRA_1PNPDE20101224_021249_000000423097_00391_46095_8844.N1	24-DEC-2010 02:12:49	Bright	41.500	107	37The Aur	2.6490	11000.	83	46095	No
39	GOM_TRA_1PNPDE20101224_021433_000000453097_00391_46095_8845.N1	24-DEC-2010 02:14:33	Bright	44.500	6	13Alp Aur	0.080000	3400.0	89	46095	No
40	GOM_TRA_1PNPDE20101224_023101_000000383097_00391_46095_8846.N1	24-DEC-2010 02:31:01	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	46095	No
41	GOM_TRA_1PNPDE20101224_023511_000000473097_00391_46095_8847.N1	24-DEC-2010 02:35:11	Bright	46.500	32	77Eps UMa	1.7630	11000.	93	46095	No
42	GOM_TRA_1PNPDE20101224_023806_000000433097_00391_46095_8848.N1	24-DEC-2010 02:38:06	Bright	43.000	39	85Eta UMa	1.8540	24000.	86	46095	No
43	GOM_TRA_1PNPDE20101224_024146_000000583097_00391_46095_8849.N1	24-DEC-2010 02:41:46	Bright	58.000	180	27Gam Boo	3.0400	8000.0	116	46095	No
44	GOM_TRA_1PNPDE20101224_024509_000000573097_00391_46095_8850.N1	24-DEC-2010 02:45:09	Bright	57.000	83		2.3780	11000.	114	46095	No
45	GOM_TRA_1PNPDE20101224_024848_000000673097_00391_46095_8851.N1	24-DEC-2010 02:48:48	Bright	67.000	111	8Eta Boo	2.6800	6000.0	134	46095	No
46	GOM_TRA_1PNPDE20101224_025940_000000573097_00391_46095_8852.N1	24-DEC-2010 02:59:40	Twilight	56.500	15	67Alp Vir	0.97600	28000.	113	46095	No
47	GOM_TRA_1PNPDE20101224_030408_000000473097_00391_46095_8853.N1	24-DEC-2010 03:04:08	Dark	47.000	54	5The Cen	2.0550	4500.0	94	46095	No
48	GOM_TRA_1PNPDE20101224_030606_000000433097_00391_46095_8854.N1	24-DEC-2010 03:06:06	Dark	42.500	123	lot Cen	2.7500	10200.	85	46095	No
49	GOM_TRA_1PNPDE20101224_031008_000000443097_00392_46096_8855.N1	24-DEC-2010 03:10:08	Dark	43.500	64	Gam Cen	2.2000	10600.	87	46096	No
50	GOM_TRA_1PNPDE20101224_031602_000000463097_00392_46096_8856.N1	24-DEC-2010 03:16:02	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	46096	No
51	GOM_TRA_1PNPDE20101224_031914_000000473097_00392_46096_8857.N1	24-DEC-2010 03:19:14	Dark	47.000	71	lot Car	2.2460	7700.0	94	46096	No
52	GOM_TRA_1PNPDE20101224_032059_000000533097_00392_46096_8858.N1	24-DEC-2010 03:20:59	Dark	52.500	41	Eps Car	1.8600	4100.0	105	46096	No
53	GOM_TRA_1PNPDE20101224_032359_000000483097_00392_46096_8859.N1	24-DEC-2010 03:23:59	Dark	47.500	34	Gam2Vel	1.7930	23000.	95	46096	No
54	GOM_TRA_1PNPDE20101224_032609_000000533097_00392_46096_8860.N1	24-DEC-2010 03:26:09	Dark	52.500	70	Zet Pup	2.2460	39000.	105	46096	No
55	GOM_TRA_1PNPDE20101224_032831_000000523097_00392_46096_8861.N1	24-DEC-2010 03:28:31	Dark	52.000	117	Pi Pup	2.7060	3800.0	104	46096	No
56	GOM_TRA_1PNPDE20101224_033130_000000503097_00392_46096_8862.N1	24-DEC-2010 03:31:30	Straylight	50.000	23	21Eps CMa	1.5020	26000.	100	46096	No
57	GOM_TRA_1PNPDE20101224_033309_000000483097_00392_46096_8863.N1	24-DEC-2010 03:33:09	Straylight	47.500	179	24Omi2CMa	3.0320	24000.	95	46096	No
58	GOM_TRA_1PNPDE20101224_033550_000000633097_00392_46096_8864.N1	24-DEC-2010 03:35:50	Straylight	63.000	1	9Alp CMa	-1.4400	11000.	126	46096	No
59	GOM_TRA_1PNPDE20101224_033859_000000483097_00392_46096_8865.N1	24-DEC-2010 03:38:59	Straylight	48.000	7	19Bet Ori	0.10000	14000.	96	46096	No
60	GOM_TRA_1PNPDE20101224_034100_000000463097_00392_46096_8866.N1	24-DEC-2010 03:41:00	Straylight	45.500	30	46Eps Ori	1.6940	30000.	91	46096	No
61	GOM_TRA_1PNPDE20101224_034346_000000603097_00392_46096_8867.N1	24-DEC-2010 03:43:46	Twilight	60.000	14	58Alp Ori	0.87000	3000.0	120	46096	No
62	GOM_TRA_1PNPDE20101224_034748_000000433097_00392_46096_8868.N1	24-DEC-2010 03:47:48	Bright	42.500	176	23Zet Tau	3.0200	22000.	85	46096	No
63	GOM_TRA_1PNPDE20101224_034953_000000423097_00392_46096_8869.N1	24-DEC-2010 03:49:53	Bright	41.500	28	12Bet Tau	1.6500	15200.	83	46096	No
64	GOM_TRA_1PNPDE20101224_035303_000000413097_00392_46096_8870.N1	24-DEC-2010 03:53:03	Bright	41.000	107	37The Aur	2.6490	11000.	82	46096	No
65	GOM_TRA_1PNPDE20101224_035447_000000433097_00392_46096_8871.N1	24-DEC-2010 03:54:47	Bright	42.500	6	13Alp Aur	0.080000	3400.0	85	46096	No
66	GOM_TRA_1PNPDE20101224_041115_000000383097_00392_46096_8840.N1	24-DEC-2010 04:11:15	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	46096	No
67	GOM_TRA_1PNPDE20101224_041524_000000663097_00392_46096_8841.N1	24-DEC-2010 04:15:24	Bright	66.000	32	77Eps UMa	1.7630	11000.	132	46096	No
68	GOM_TRA_1PNPDE20101224_041820_000000623097_00392_46096_8842.N1	24-DEC-2010 04:18:20	Bright	62.000	39	85Eta UMa	1.8540	24000.	124	46096	No
69	GOM_TRA_1PNPDE20101224_042200_000000583097_00392_46096_8843.N1	24-DEC-2010 04:22:00	Bright	58.000	180	27Gam Boo	3.0400	8000.0	116	46096	No

70	GOM_TRA_1PNPDE20101224_042524_000000573097_00392_46096_8844.N1	24-DEC-2010 04:25:24	Bright	57.000	83		2.3780	11000.	114	46096	No
71	GOM_TRA_1PNPDE20101224_042902_000000673097_00392_46096_8845.N1	24-DEC-2010 04:29:02	Bright	67.000	111	8Eta Boo	2.6800	6000.0	134	46096	No
72	GOM_TRA_1PNPDE20101224_043746_000000413097_00392_46096_8846.N1	24-DEC-2010 04:37:46	Bright	41.000	122	9Alp2Lib	2.7470	9700.0	82	46096	No
73	GOM_TRA_1PNPDE20101224_043955_000000583097_00392_46096_8847.N1	24-DEC-2010 04:39:55	Tw_i_and_stray	58.000	15	67Alp Vir	0.97600	28000.	116	46096	No
74	GOM_TRA_1PNPDE20101224_044423_000000453097_00392_46096_8848.N1	24-DEC-2010 04:44:23	Dark	44.500	54	5The Cen	2.0550	4500.0	89	46096	No
75	GOM_TRA_1PNPDE20101224_044621_000000423097_00392_46096_8849.N1	24-DEC-2010 04:46:21	Dark	42.000	123	lot Cen	2.7500	10200.	84	46096	No
76	GOM_TRA_1PNPDE20101224_045023_000000433097_00393_46097_8850.N1	24-DEC-2010 04:50:23	Dark	42.500	64	Gam Cen	2.2000	10600.	85	46097	No
77	GOM_TRA_1PNPDE20101224_045617_000000483097_00393_46097_8851.N1	24-DEC-2010 04:56:17	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	46097	No
78	GOM_TRA_1PNPDE20101224_045928_000000423097_00393_46097_8852.N1	24-DEC-2010 04:59:28	Dark	42.000	71	lot Car	2.2460	7700.0	84	46097	No
79	GOM_TRA_1PNPDE20101224_050113_000000473097_00393_46097_8853.N1	24-DEC-2010 05:01:13	Dark	46.500	41	Eps Car	1.8600	4100.0	93	46097	No
80	GOM_TRA_1PNPDE20101224_050413_000000423097_00393_46097_8854.N1	24-DEC-2010 05:04:13	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	46097	No
81	GOM_TRA_1PNPDE20101224_050624_000000503097_00393_46097_8855.N1	24-DEC-2010 05:06:24	Dark	49.500	70	Zet Pup	2.2460	39000.	99	46097	No
82	GOM_TRA_1PNPDE20101224_050845_000000523097_00393_46097_8856.N1	24-DEC-2010 05:08:45	Dark	51.500	117	Pi Pup	2.7060	3800.0	103	46097	No
83	GOM_TRA_1PNPDE20101224_051145_000000543097_00393_46097_8857.N1	24-DEC-2010 05:11:45	Straylight	54.000	23	21Eps CMa	1.5020	26000.	108	46097	No
84	GOM_TRA_1PNPDE20101224_051323_000000503097_00393_46097_8858.N1	24-DEC-2010 05:13:23	Straylight	49.500	179	24Omi2CMa	3.0320	24000.	99	46097	No
85	GOM_TRA_1PNPDE20101224_051604_000000583097_00393_46097_8859.N1	24-DEC-2010 05:16:04	Straylight	58.000	1	9Alp CMa	-1.4400	11000.	116	46097	No
86	GOM_TRA_1PNPDE20101224_051914_000000493097_00393_46097_8860.N1	24-DEC-2010 05:19:14	Straylight	49.000	7	19Bet Ori	0.10000	14000.	98	46097	No
87	GOM_TRA_1PNPDE20101224_052114_000000463097_00393_46097_8861.N1	24-DEC-2010 05:21:14	Straylight	46.000	30	46Eps Ori	1.6940	30000.	92	46097	No
88	GOM_TRA_1PNPDE20101224_052400_000000563097_00393_46097_8862.N1	24-DEC-2010 05:24:00	Tw_i_and_stray	56.000	14	58Alp Ori	0.87000	3000.0	112	46097	No
89	GOM_TRA_1PNPDE20101224_052802_000000413097_00393_46097_8863.N1	24-DEC-2010 05:28:02	Bright	41.000	176	23Zet Tau	3.0200	22000.	82	46097	No
90	GOM_TRA_1PNPDE20101224_053007_000000423097_00393_46097_8864.N1	24-DEC-2010 05:30:07	Bright	41.500	28	12Bet Tau	1.6500	15200.	83	46097	No
91	GOM_TRA_1PNPDE20101224_053317_000000413097_00393_46097_8865.N1	24-DEC-2010 05:33:17	Bright	41.000	107	37The Aur	2.6490	11000.	82	46097	No
92	GOM_TRA_1PNPDE20101224_053501_000000423097_00393_46097_8866.N1	24-DEC-2010 05:35:01	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	46097	No
93	GOM_TRA_1PNPDE20101224_055129_000000423097_00393_46097_8874.N1	24-DEC-2010 05:51:29	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	46097	No
94	GOM_TRA_1PNPDE20101224_055538_000000463097_00393_46097_8875.N1	24-DEC-2010 05:55:38	Bright	45.500	32	77Eps UMa	1.7630	11000.	91	46097	No
95	GOM_TRA_1PNPDE20101224_055834_000000623097_00393_46097_8876.N1	24-DEC-2010 05:58:34	Bright	62.000	39	85Eta UMa	1.8540	24000.	124	46097	No
96	GOM_TRA_1PNPDE20101224_060214_000000503097_00393_46097_8877.N1	24-DEC-2010 06:02:14	Bright	50.000	180	27Gam Boo	3.0400	8000.0	100	46097	No
97	GOM_TRA_1PNPDE20101224_060538_000000403097_00393_46097_8878.N1	24-DEC-2010 06:05:38	Bright	40.000	83		2.3780	11000.	80	46097	No
98	GOM_TRA_1PNPDE20101224_060917_000000473097_00393_46097_8879.N1	24-DEC-2010 06:09:17	Bright	46.500	111	8Eta Boo	2.6800	6000.0	93	46097	No
99	GOM_TRA_1PNPDE20101224_061800_000000423097_00393_46097_8880.N1	24-DEC-2010 06:18:00	Bright	41.500	122	9Alp2Lib	2.7470	9700.0	83	46097	No
100	GOM_TRA_1PNPDE20101224_062010_000000613097_00393_46097_8881.N1	24-DEC-2010 06:20:10	Tw_i_and_stray	60.500	15	67Alp Vir	0.97600	28000.	121	46097	No
101	GOM_TRA_1PNPDE20101224_062438_000000453097_00393_46097_8882.N1	24-DEC-2010 06:24:38	Dark	45.000	54	5The Cen	2.0550	4500.0	90	46097	No
102	GOM_TRA_1PNPDE20101224_062636_000000433097_00393_46097_8883.N1	24-DEC-2010 06:26:36	Dark	42.500	123	lot Cen	2.7500	10200.	85	46097	No
103	GOM_TRA_1PNPDE20101224_063038_000000463097_00394_46098_8884.N1	24-DEC-2010 06:30:38	Dark	45.500	64	Gam Cen	2.2000	10600.	91	46098	No
104	GOM_TRA_1PNPDE20101224_063632_000000453097_00394_46098_8885.N1	24-DEC-2010 06:36:32	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	46098	No
105	GOM_TRA_1PNPDE20101224_063943_000000423097_00394_46098_8886.N1	24-DEC-2010 06:39:43	Dark	42.000	71	lot Car	2.2460	7700.0	84	46098	No
106	GOM_TRA_1PNPDE20101224_064128_000000533097_00394_46098_8887.N1	24-DEC-2010 06:41:28	Dark	53.000	41	Eps Car	1.8600	4100.0	106	46098	No
107	GOM_TRA_1PNPDE20101224_064428_000000453097_00394_46098_8888.N1	24-DEC-2010 06:44:28	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	46098	No
108	GOM_TRA_1PNPDE20101224_064638_000000483097_00394_46098_8889.N1	24-DEC-2010 06:46:38	Dark	48.000	70	Zet Pup	2.2460	39000.	96	46098	No
109	GOM_TRA_1PNPDE20101224_064900_000000493097_00394_46098_8890.N1	24-DEC-2010 06:49:00	Dark	49.000	117	Pi Pup	2.7060	3800.0	98	46098	No
110	GOM_TRA_1PNPDE20101224_065159_000000503097_00394_46098_8891.N1	24-DEC-2010 06:51:59	Straylight	49.500	23	21Eps CMa	1.5020	26000.	99	46098	No
111	GOM_TRA_1PNPDE20101224_065337_000000493097_00394_46098_8892.N1	24-DEC-2010 06:53:37	Straylight	48.500	179	24Omi2CMa	3.0320	24000.	97	46098	No
112	GOM_TRA_1PNPDE20101224_065619_000000553097_00394_46098_8893.N1	24-DEC-2010 06:56:19	Straylight	54.500	1	9Alp CMa	-1.4400	11000.	109	46098	No
113	GOM_TRA_1PNPDE20101224_065928_000000483097_00394_46098_8894.N1	24-DEC-2010 06:59:28	Straylight	47.500	7	19Bet Ori	0.10000	14000.	95	46098	No
114	GOM_TRA_1PNPDE20101224_070128_000000473097_00394_46098_8895.N1	24-DEC-2010 07:01:28	Straylight	47.000	30	46Eps Ori	1.6940	30000.	94	46098	No
115	GOM_TRA_1PNPDE20101224_070414_000000513097_00394_46098_8896.N1	24-DEC-2010 07:04:14	Tw_i_and_stray	51.000	14	58Alp Ori	0.87000	3000.0	102	46098	No
116	GOM_TRA_1PNPDE20101224_070816_000000413097_00394_46098_8897.N1	24-DEC-2010 07:08:16	Bright	41.000	176	23Zet Tau	3.0200	22000.	82	46098	No
117	GOM_TRA_1PNPDE20101224_071020_000000413097_00394_46098_8898.N1	24-DEC-2010 07:10:20	Bright	40.500	28	12Bet Tau	1.6500	15200.	81	46098	No
118	GOM_TRA_1PNPDE20101224_071330_000000423097_00394_46098_8899.N1	24-DEC-2010 07:13:30	Bright	41.500	107	37The Aur	2.6490	11000.	83	46098	No
119	GOM_TRA_1PNPDE20101224_071515_000000423097_00394_46098_8900.N1	24-DEC-2010 07:15:15	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	46098	No
120	GOM_TRA_1PNPDE20101224_073143_000000383097_00394_46098_8901.N1	24-DEC-2010 07:31:43	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	46098	No
121	GOM_TRA_1PNPDE20101224_200625_000000463097_00402_46106_8961.N1	24-DEC-2010 20:06:25	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	46106	Yes
122	GOM_TRA_1PNPDE20101224_200836_000000473097_00402_46106_8962.N1	24-DEC-2010 20:08:36	Dark	47.000	70	Zet Pup	2.2460	39000.	94	46106	No
123	GOM_TRA_1PNPDE20101224_201056_000000503097_00402_46106_8963.N1	24-DEC-2010 20:10:56	Dark	49.500	117	Pi Pup	2.7060	3800.0	99	46106	No
124	GOM_TRA_1PNPDE20101224_201354_000000483097_00402_46106_8964.N1	24-DEC-2010 20:13:54	Straylight	48.000	23	21Eps CMa	1.5020	26000.	96	46106	No
125	GOM_TRA_1PNPDE20101224_201532_000000503097_00402_46106_8965.N1	24-DEC-2010 20:15:32	Straylight	50.000	179	24Omi2CMa	3.0320	24000.	100	46106	No
126	GOM_TRA_1PNPDE20101224_201812_000000643097_00402_46106_8966.N1	24-DEC-2010 20:18:12	Straylight	64.000	1	9Alp CMa	-1.4400	11000.	128	46106	No
127	GOM_TRA_1PNPDE20101224_202121_000000483097_00402_46106_8967.N1	24-DEC-2010 20:21:21	Straylight	48.000	7	19Bet Ori	0.10000	14000.	96	46106	No
128	GOM_TRA_1PNPDE20101224_202321_000000433097_00402_46106_8968.N1	24-DEC-2010 20:23:21	Straylight	43.000	30	46Eps Ori	1.6940	30000.	86	46106	No

129	GOM_TRA_1PNPDE20101224_202605_000000583097_00402_46106_8969.N1	24-DEC-2010 20:26:05	Twilight	58.000	14	58Alp Ori	0.87000	3000.0	116	46106	No
130	GOM_TRA_1PNPDE20101224_203006_000000403097_00402_46106_8970.N1	24-DEC-2010 20:30:06	Bright	40.000	176	23Zet Tau	3.0200	22000.	80	46106	No
131	GOM_TRA_1PNPDE20101224_203211_000000403097_00402_46106_8971.N1	24-DEC-2010 20:32:11	Bright	40.000	28	12Bet Tau	1.6500	15200.	80	46106	No
132	GOM_TRA_1PNPDE20101224_203519_000000423097_00402_46106_8972.N1	24-DEC-2010 20:35:19	Bright	41.500	107	37The Aur	2.6490	11000.	83	46106	No
133	GOM_TRA_1PNPDE20101224_203706_000000423097_00402_46106_8973.N1	24-DEC-2010 20:37:06	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	46106	No
134	GOM_TRA_1PNPDE20101224_205334_000000353097_00402_46106_8974.N1	24-DEC-2010 20:53:34	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	46106	No
135	GOM_TRA_1PNPDE20101224_205742_000000423097_00402_46106_8975.N1	24-DEC-2010 20:57:42	Bright	42.000	32	77Eps UMa	1.7630	11000.	84	46106	No
136	GOM_TRA_1PNPDE20101224_210039_000000623097_00402_46106_8976.N1	24-DEC-2010 21:00:39	Bright	62.000	39	85Eta UMa	1.8540	24000.	124	46106	No
137	GOM_TRA_1PNPDE20101224_210421_000000593097_00402_46106_8977.N1	24-DEC-2010 21:04:21	Bright	59.000	180	27Gam Boo	3.0400	8000.0	118	46106	No
138	GOM_TRA_1PNPDE20101224_210746_000000583097_00402_46106_8978.N1	24-DEC-2010 21:07:46	Bright	58.000	83		2.3780	11000.	116	46106	No
139	GOM_TRA_1PNPDE20101224_211127_000000483097_00402_46106_8979.N1	24-DEC-2010 21:11:27	Bright	47.500	111	8Eta Boo	2.6800	6000.0	95	46106	No
140	GOM_TRA_1PNPDE20101224_212011_000000483097_00402_46106_8979.N1	24-DEC-2010 21:20:11	Bright	48.000	122	9Alp2Lib	2.7470	9700.0	96	46106	No
141	GOM_TRA_1PNPDE20101224_212226_000000613097_00402_46106_8980.N1	24-DEC-2010 21:22:26	Straylight	60.500	15	67Alp Vir	0.97600	28000.	121	46106	No
142	GOM_TRA_1PNPDE20101224_212649_000000453097_00402_46106_8981.N1	24-DEC-2010 21:26:49	Dark	45.000	54	5The Cen	2.0550	4500.0	90	46106	No
143	GOM_TRA_1PNPDE20101224_212849_000000443097_00402_46106_8982.N1	24-DEC-2010 21:28:49	Dark	43.500	123	1ot Cen	2.7500	10200.	87	46106	No
144	GOM_TRA_1PNPDE20101224_213251_000000433097_00403_46107_8983.N1	24-DEC-2010 21:32:51	Dark	42.500	64	Gam Cen	2.2000	10600.	85	46107	No
145	GOM_TRA_1PNPDE20101224_213846_000000473097_00403_46107_8984.N1	24-DEC-2010 21:38:46	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46107	No
146	GOM_TRA_1PNPDE20101224_214154_000000423097_00403_46107_8985.N1	24-DEC-2010 21:41:54	Dark	41.500	71	1ot Car	2.2460	7700.0	83	46107	No
147	GOM_TRA_1PNPDE20101224_214339_000000413097_00403_46107_8986.N1	24-DEC-2010 21:43:39	Dark	41.000	41	Eps Car	1.8600	4100.0	82	46107	No
148	GOM_TRA_1PNPDE20101224_214504_000000573097_00403_46107_8987.N1	24-DEC-2010 21:45:04	Dark	57.000	65	Lam Vel	2.2040	4400.0	114	46107	No
149	GOM_TRA_1PNPDE20101224_214640_000000463097_00403_46107_8988.N1	24-DEC-2010 21:46:40	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	46107	No
150	GOM_TRA_1PNPDE20101224_214850_000000463097_00403_46107_8989.N1	24-DEC-2010 21:48:50	Dark	46.000	70	Zet Pup	2.2460	39000.	92	46107	No
151	GOM_TRA_1PNPDE20101224_215110_000000513097_00403_46107_8990.N1	24-DEC-2010 21:51:10	Dark	51.000	117	Pi Pup	2.7060	3800.0	102	46107	No
152	GOM_TRA_1PNPDE20101224_215408_000000503097_00403_46107_8991.N1	24-DEC-2010 21:54:08	Straylight	50.000	23	21Eps CMa	1.5020	26000.	100	46107	No
153	GOM_TRA_1PNPDE20101224_215546_000000473097_00403_46107_8992.N1	24-DEC-2010 21:55:46	Straylight	47.000	179	24Omi2CMa	3.0320	24000.	94	46107	No
154	GOM_TRA_1PNPDE20101224_215826_000000593097_00403_46107_8993.N1	24-DEC-2010 21:58:26	Straylight	59.000	1	9Alp CMa	-1.4400	11000.	118	46107	No
155	GOM_TRA_1PNPDE20101224_220135_000000453097_00403_46107_8994.N1	24-DEC-2010 22:01:35	Straylight	45.000	7	19Bet Ori	0.10000	14000.	90	46107	No
156	GOM_TRA_1PNPDE20101224_220335_000000443097_00403_46107_8995.N1	24-DEC-2010 22:03:35	Straylight	43.500	30	46Eps Ori	1.6940	30000.	87	46107	No
157	GOM_TRA_1PNPDE20101224_220618_000000593097_00403_46107_8996.N1	24-DEC-2010 22:06:18	Twilight	58.500	14	58Alp Ori	0.87000	3000.0	117	46107	No
158	GOM_TRA_1PNPDE20101224_221020_000000383097_00403_46107_8997.N1	24-DEC-2010 22:10:20	Bright	37.500	176	23Zet Tau	3.0200	22000.	75	46107	No
159	GOM_TRA_1PNPDE20101224_221225_000000393097_00403_46107_8998.N1	24-DEC-2010 22:12:25	Bright	38.500	28	12Bet Tau	1.6500	15200.	77	46107	No
160	GOM_TRA_1PNPDE20101224_221533_000000413097_00403_46107_8999.N1	24-DEC-2010 22:15:33	Bright	40.500	107	37The Aur	2.6490	11000.	81	46107	No
161	GOM_TRA_1PNPDE20101224_221719_000000403097_00403_46107_9000.N1	24-DEC-2010 22:17:19	Bright	39.500	6	13Alp Aur	0.080000	3400.0	79	46107	No
162	GOM_TRA_1PNPDE20101224_223348_000000543097_00403_46107_9001.N1	24-DEC-2010 22:33:48	Bright	54.000	60	7Bet UMi	2.0810	3950.0	108	46107	No
163	GOM_TRA_1PNPDE20101224_223756_000000463097_00403_46107_9002.N1	24-DEC-2010 22:37:56	Bright	45.500	32	77Eps UMa	1.7630	11000.	91	46107	No
164	GOM_TRA_1PNPDE20101224_224053_000000623097_00403_46107_9003.N1	24-DEC-2010 22:40:53	Bright	62.000	39	85Eta UMa	1.8540	24000.	124	46107	No
165	GOM_TRA_1PNPDE20101224_224435_000000593097_00403_46107_9004.N1	24-DEC-2010 22:44:35	Bright	59.000	180	27Gam Boo	3.0400	8000.0	118	46107	No
166	GOM_TRA_1PNPDE20101224_224800_000000583097_00403_46107_9005.N1	24-DEC-2010 22:48:00	Bright	58.000	83		2.3780	11000.	116	46107	No
167	GOM_TRA_1PNPDE20101224_225141_000000683097_00403_46107_9006.N1	24-DEC-2010 22:51:41	Bright	68.000	111	8Eta Boo	2.6800	6000.0	136	46107	No
168	GOM_TRA_1PNPDE20101224_230025_000000413097_00403_46107_8999.N1	24-DEC-2010 23:00:25	Bright	40.500	122	9Alp2Lib	2.7470	9700.0	81	46107	No
169	GOM_TRA_1PNPDE20101224_230240_000000593097_00403_46107_9000.N1	24-DEC-2010 23:02:40	Straylight	59.000	15	67Alp Vir	0.97600	28000.	118	46107	No
170	GOM_TRA_1PNPDE20101224_230704_000000463097_00403_46107_9001.N1	24-DEC-2010 23:07:04	Dark	45.500	54	5The Cen	2.0550	4500.0	91	46107	No
171	GOM_TRA_1PNPDE20101224_230904_000000443097_00403_46107_9002.N1	24-DEC-2010 23:09:04	Dark	43.500	123	1ot Cen	2.7500	10200.	87	46107	No
172	GOM_TRA_1PNPDE20101224_231305_000000423097_00404_46108_9003.N1	24-DEC-2010 23:13:05	Dark	41.500	64	Gam Cen	2.2000	10600.	83	46108	No
173	GOM_TRA_1PNPDE20101224_231901_000000503097_00404_46108_9004.N1	24-DEC-2010 23:19:01	Dark	50.000	113	Mu Vel	2.6920	5000.0	100	46108	No
174	GOM_TRA_1PNPDE20101224_232209_000000413097_00404_46108_9005.N1	24-DEC-2010 23:22:09	Dark	40.500	71	1ot Car	2.2460	7700.0	81	46108	No
175	GOM_TRA_1PNPDE20101224_232353_000000543097_00404_46108_9006.N1	24-DEC-2010 23:23:53	Dark	53.500	41	Eps Car	1.8600	4100.0	107	46108	No
176	GOM_TRA_1PNPDE20101224_232519_000000673097_00404_46108_9007.N1	24-DEC-2010 23:25:19	Dark	67.000	65	Lam Vel	2.2040	4400.0	134	46108	No
177	GOM_TRA_1PNPDE20101224_232654_000000453097_00404_46108_9008.N1	24-DEC-2010 23:26:54	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	46108	No
178	GOM_TRA_1PNPDE20101224_232905_000000523097_00404_46108_9009.N1	24-DEC-2010 23:29:05	Dark	52.000	70	Zet Pup	2.2460	39000.	104	46108	No
179	GOM_TRA_1PNPDE20101224_233124_000000523097_00404_46108_9010.N1	24-DEC-2010 23:31:24	Dark	52.000	117	Pi Pup	2.7060	3800.0	104	46108	No
180	GOM_TRA_1PNPDE20101224_233422_000000523097_00404_46108_9011.N1	24-DEC-2010 23:34:22	Straylight	52.000	23	21Eps CMa	1.5020	26000.	104	46108	No
181	GOM_TRA_1PNPDE20101224_233600_000000473097_00404_46108_9012.N1	24-DEC-2010 23:36:00	Straylight	47.000	179	24Omi2CMa	3.0320	24000.	94	46108	No
182	GOM_TRA_1PNPDE20101224_233840_000000543097_00404_46108_9013.N1	24-DEC-2010 23:38:40	Straylight	53.500	1	9Alp CMa	-1.4400	11000.	107	46108	No
183	GOM_TRA_1PNPDE20101224_234149_000000473097_00404_46108_9014.N1	24-DEC-2010 23:41:49	Straylight	47.000	7	19Bet Ori	0.10000	14000.	94	46108	No
184	GOM_TRA_1PNPDE20101224_234349_000000483097_00404_46108_9015.N1	24-DEC-2010 23:43:49	Straylight	48.000	30	46Eps Ori	1.6940	30000.	96	46108	No
185	GOM_TRA_1PNPDE20101224_234632_000000573097_00404_46108_9016.N1	24-DEC-2010 23:46:32	Twilight	56.500	14	58Alp Ori	0.87000	3000.0	113	46108	No
186	GOM_TRA_1PNPDE20101224_235034_000000403097_00404_46108_9017.N1	24-DEC-2010 23:50:34	Bright	40.000	176	23Zet Tau	3.0200	22000.	80	46108	No
187	GOM_TRA_1PNPDE20101224_235239_000000393097_00404_46108_9018.N1	24-DEC-2010 23:52:39	Bright	38.500	28	12Bet Tau	1.6500	15200.	77	46108	No

188	GOM_TRA_1PNPDE20101224_235546_000000423097_00404_46108_9019.N1	24-DEC-2010 23:55:46	Bright	41.500	107	37The Aur	2.6490	11000.	83	46108	No
189	GOM_TRA_1PNPDE20101224_235733_000000423097_00404_46108_9020.N1	24-DEC-2010 23:57:33	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	46108	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).

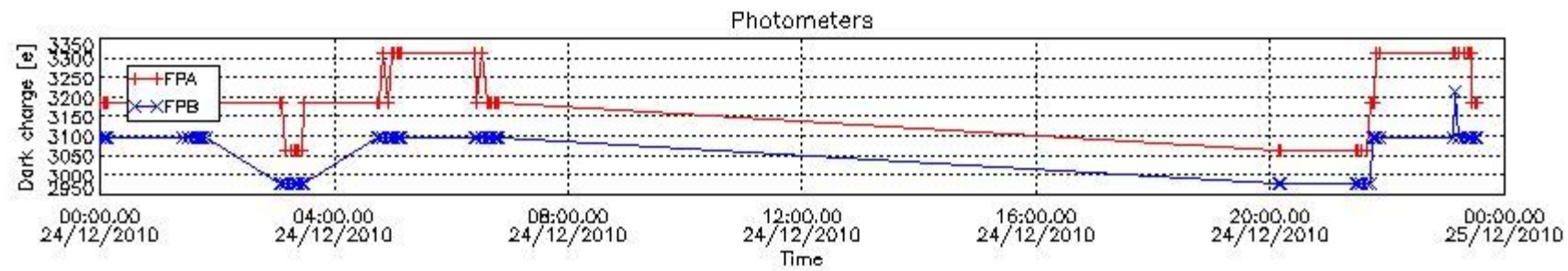
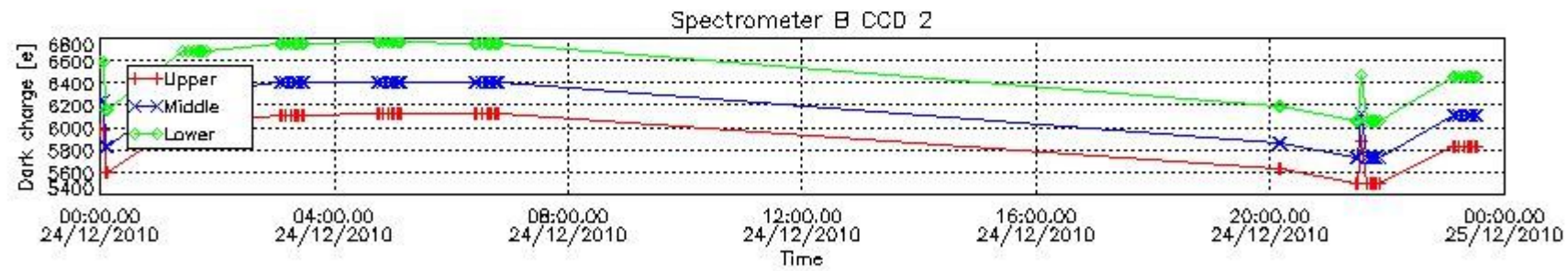
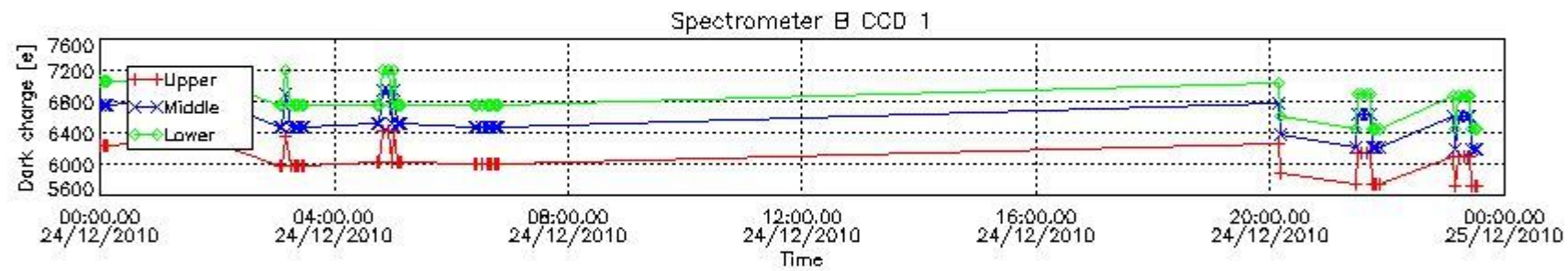
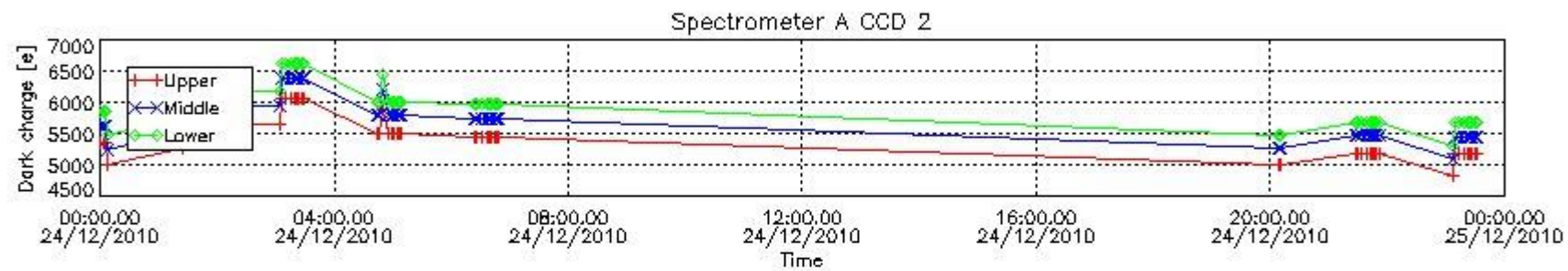
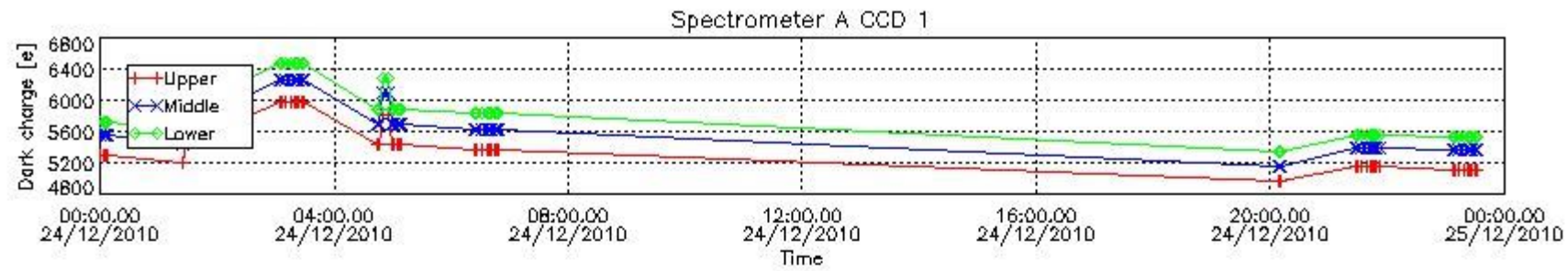
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20101224_200625_000000463097_00402_46106_8961.N1	DC map with no T dep.
GOM_TRA_1PNPDE20101224_200836_000000473097_00402_46106_8962.N1	DC map used
GOM_TRA_1PNPDE20101224_201056_000000503097_00402_46106_8963.N1	DC map used
GOM_TRA_1PNPDE20101224_201354_000000483097_00402_46106_8964.N1	DC map used
GOM_TRA_1PNPDE20101224_201532_000000503097_00402_46106_8965.N1	DC map used
GOM_TRA_1PNPDE20101224_201812_000000643097_00402_46106_8966.N1	DC map used
GOM_TRA_1PNPDE20101224_202121_000000483097_00402_46106_8967.N1	DC map used
GOM_TRA_1PNPDE20101224_202321_000000433097_00402_46106_8968.N1	DC map used

GOM_TRA_1PNPDE20101224_202605_000000583097_00402_46106_8969.N1	DC map used
GOM_TRA_1PNPDE20101224_203006_000000403097_00402_46106_8970.N1	DC map used
GOM_TRA_1PNPDE20101224_203211_000000403097_00402_46106_8971.N1	DC map used
GOM_TRA_1PNPDE20101224_203519_000000423097_00402_46106_8972.N1	DC map used
GOM_TRA_1PNPDE20101224_203706_000000423097_00402_46106_8973.N1	DC map used
GOM_TRA_1PNPDE20101224_205334_000000353097_00402_46106_8974.N1	DC map used
GOM_TRA_1PNPDE20101224_205742_000000423097_00402_46106_8975.N1	DC map used
GOM_TRA_1PNPDE20101224_210039_000000623097_00402_46106_8976.N1	DC map used
GOM_TRA_1PNPDE20101224_210421_000000593097_00402_46106_8977.N1	DC map used
GOM_TRA_1PNPDE20101224_210746_000000583097_00402_46106_8978.N1	DC map used
GOM_TRA_1PNPDE20101224_211127_000000483097_00402_46106_8979.N1	DC map used

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



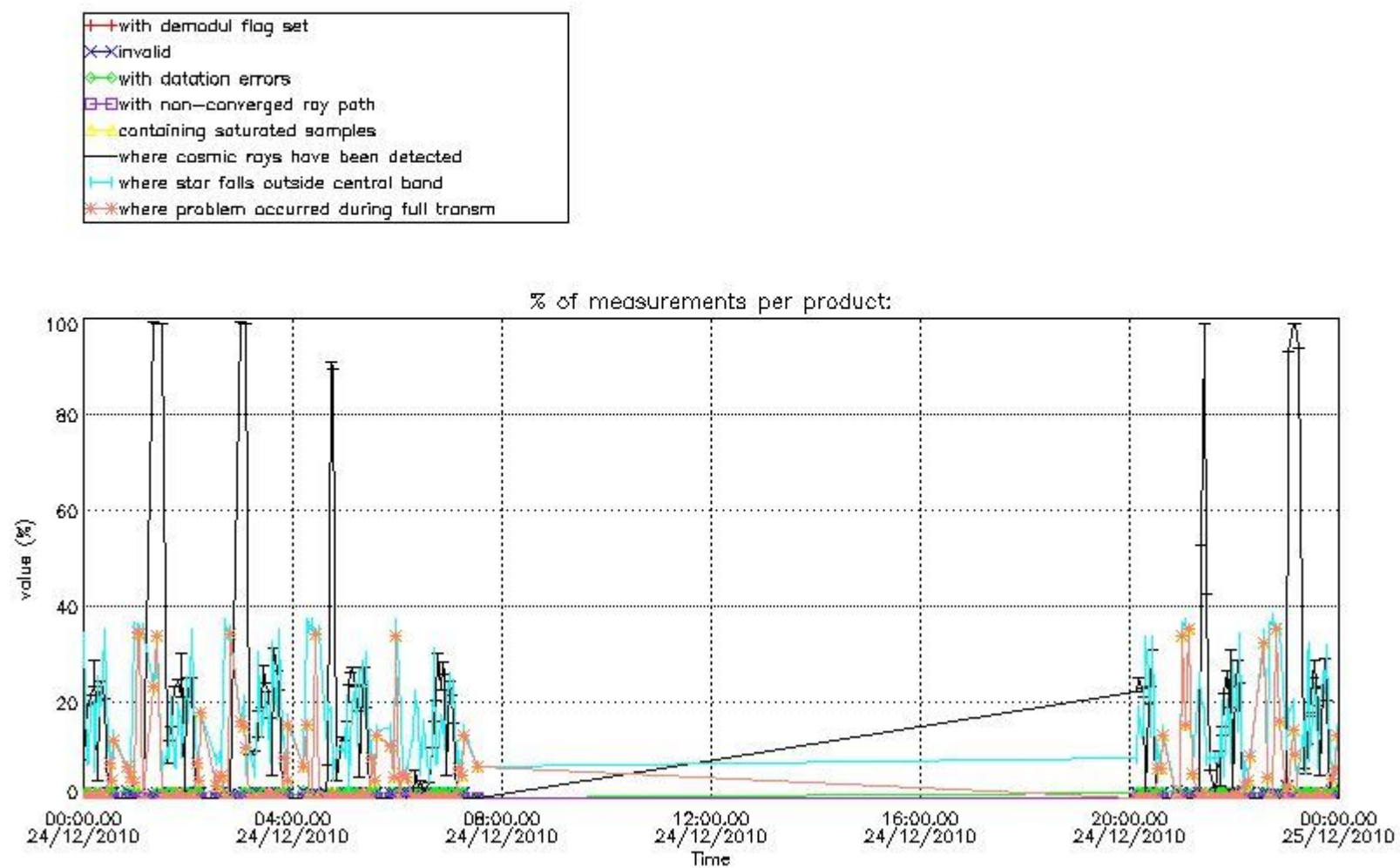
5. Demodulation flag and quality information monitoring

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.

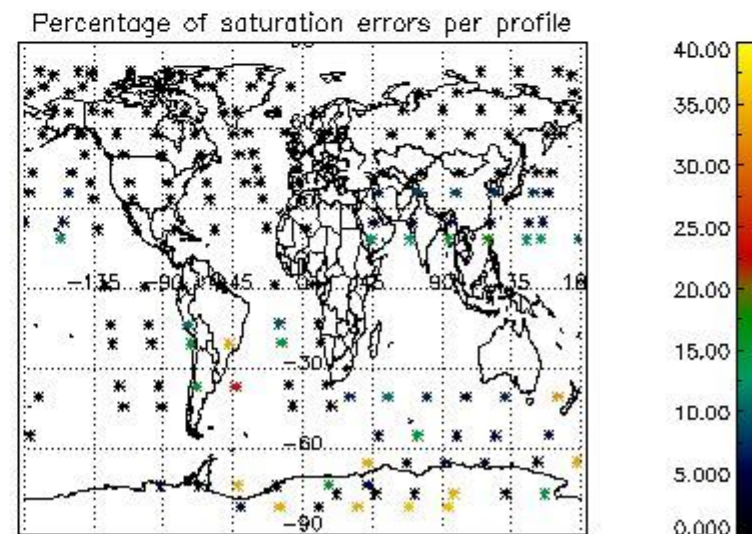
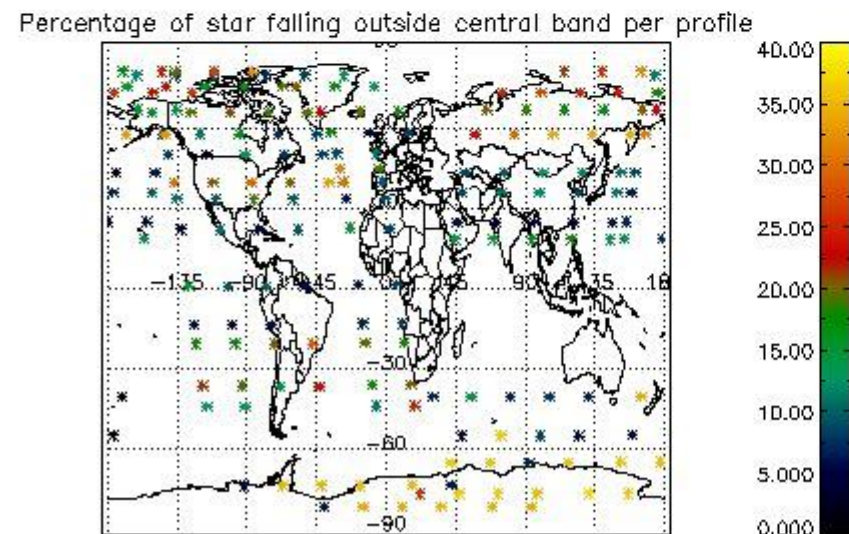
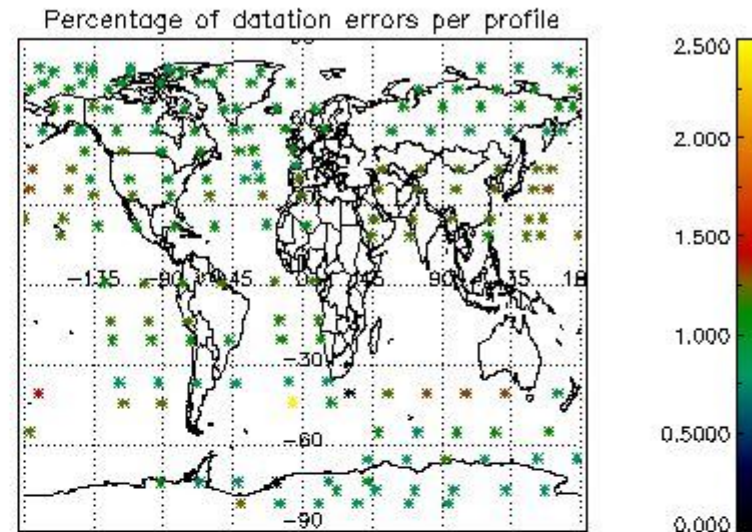
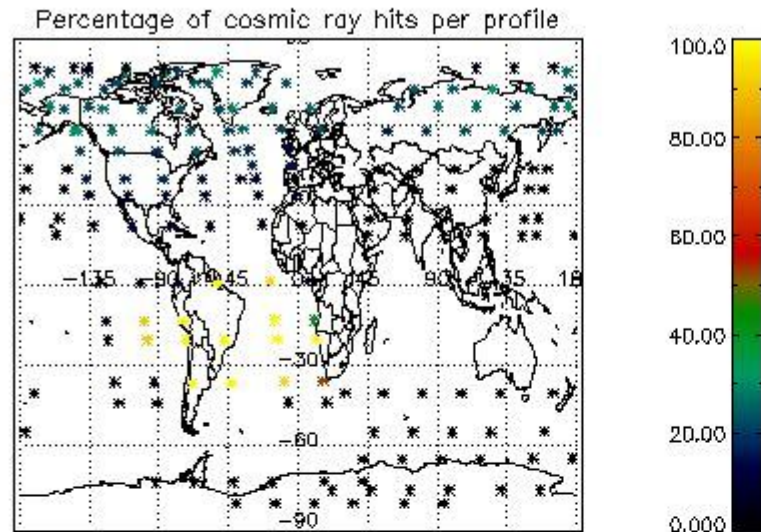
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	59.5745 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



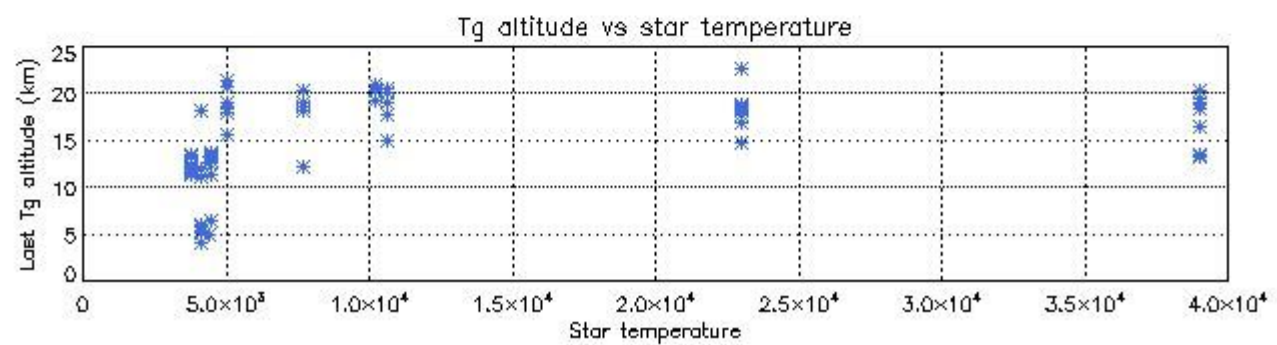
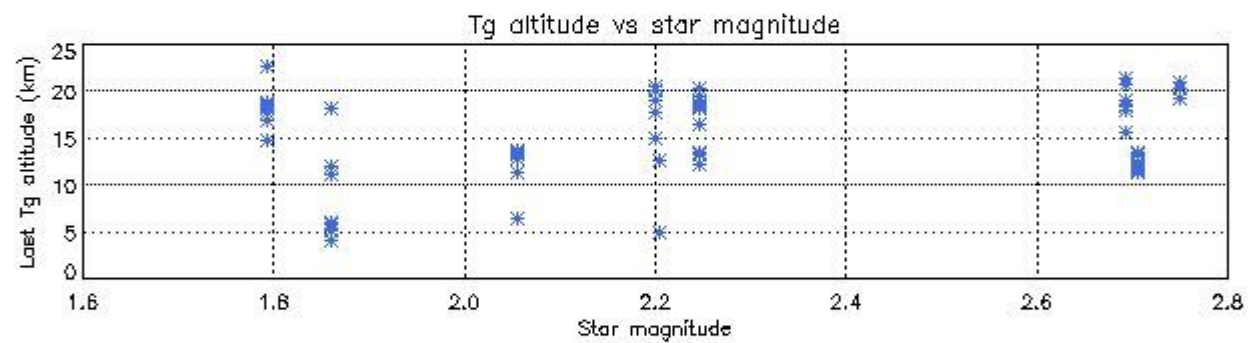
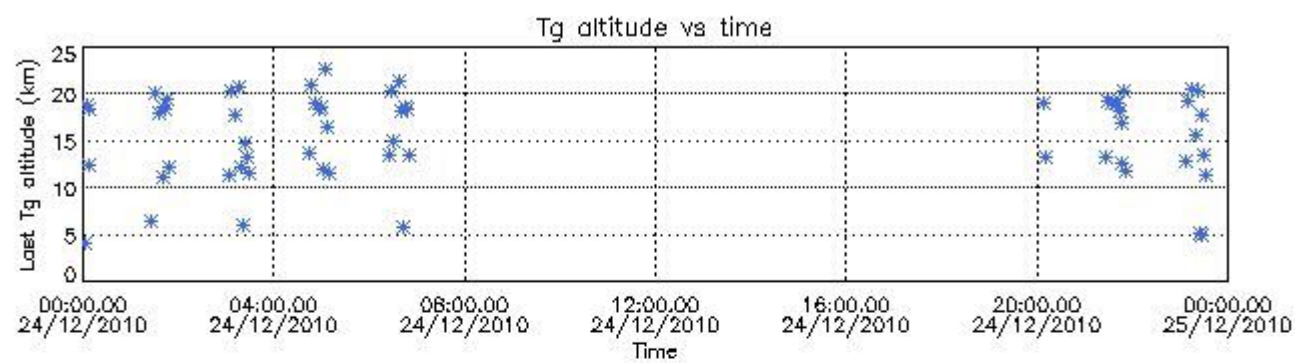
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.498	14.350	NaN
St. deviation:	4.6507	7.1469	NaN
Maximum:	22.677	26.617	NaN
Minimum:	4.0521	3.3198	NaN
Number of data:	61.000	73.000	NaN

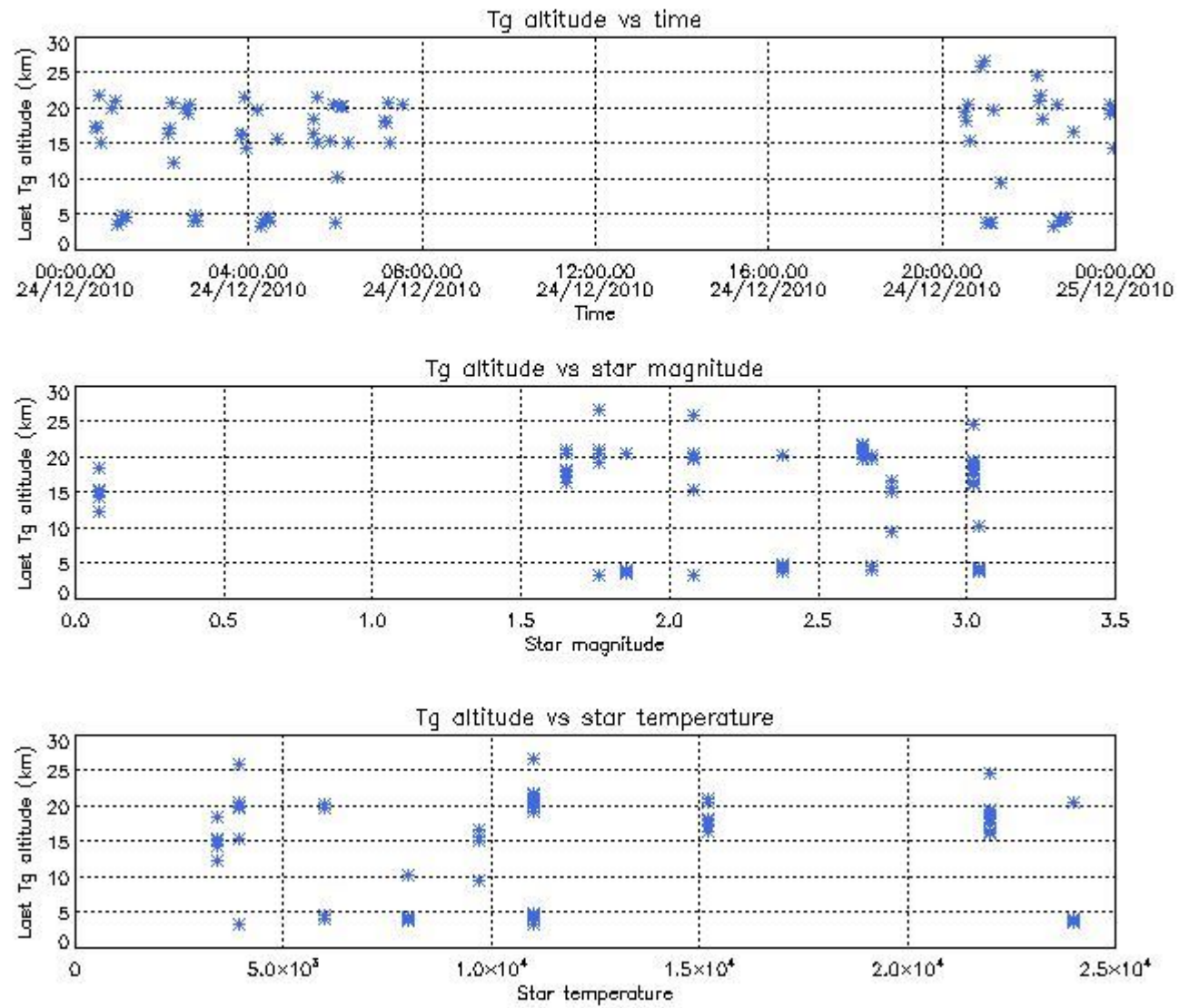
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

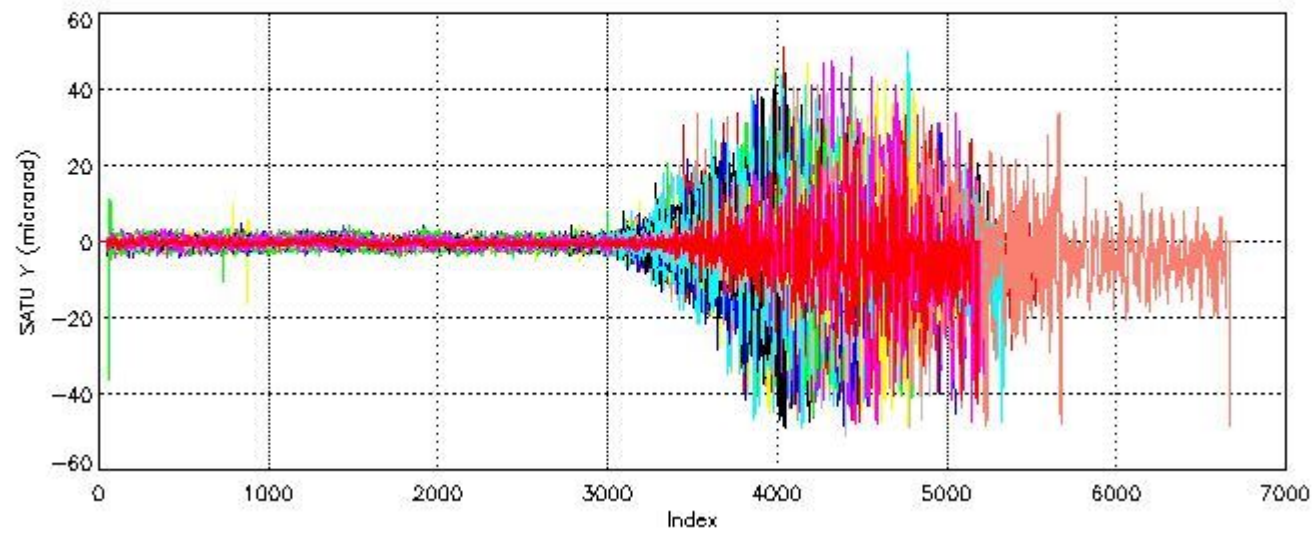
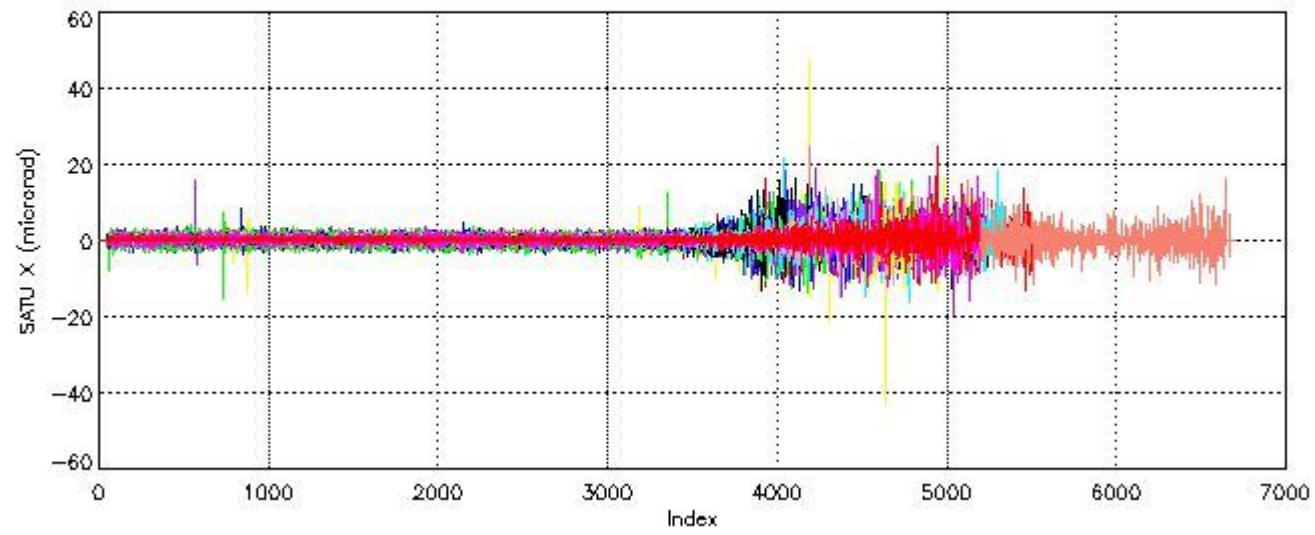


7. Star Acquisition and Tracking Unit (SATU)

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:	0.22931	-0.30326	0.15280	-0.26191
St. deviation:	0.54383	0.75550	0.82384	0.98324
Maximum:	15.600	11.300	6.2000	6.9000
Minimum:	-15.500	-36.400	-5.9000	-6.5000

Number of data:	64050.	64050.	69400.	69400.
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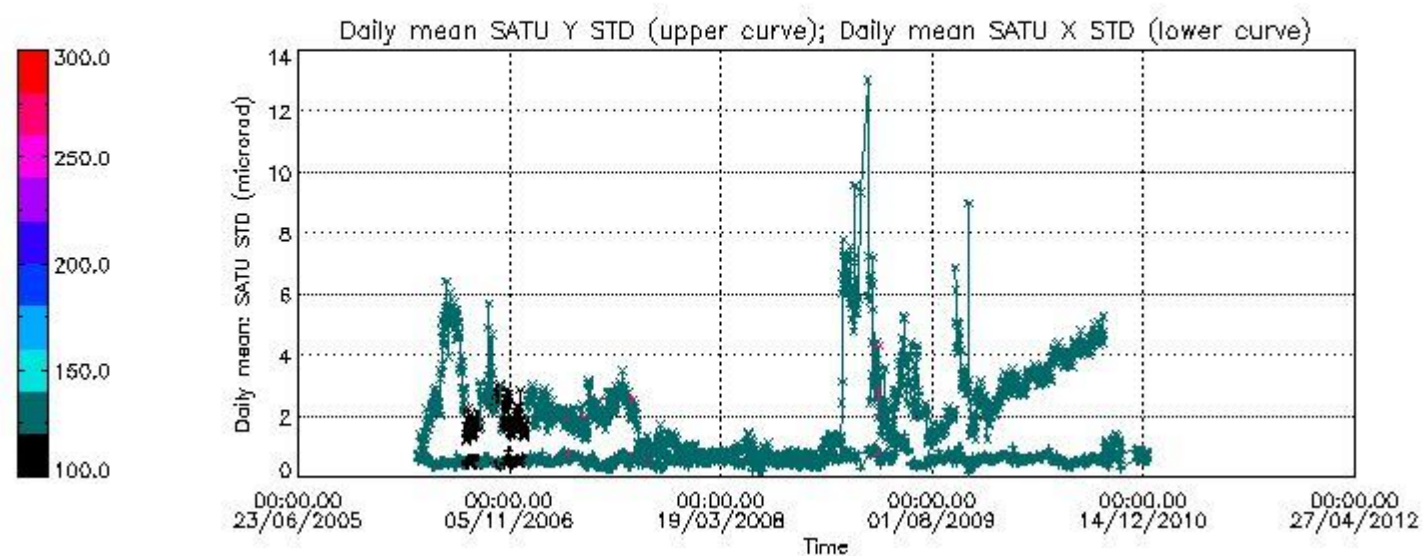
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

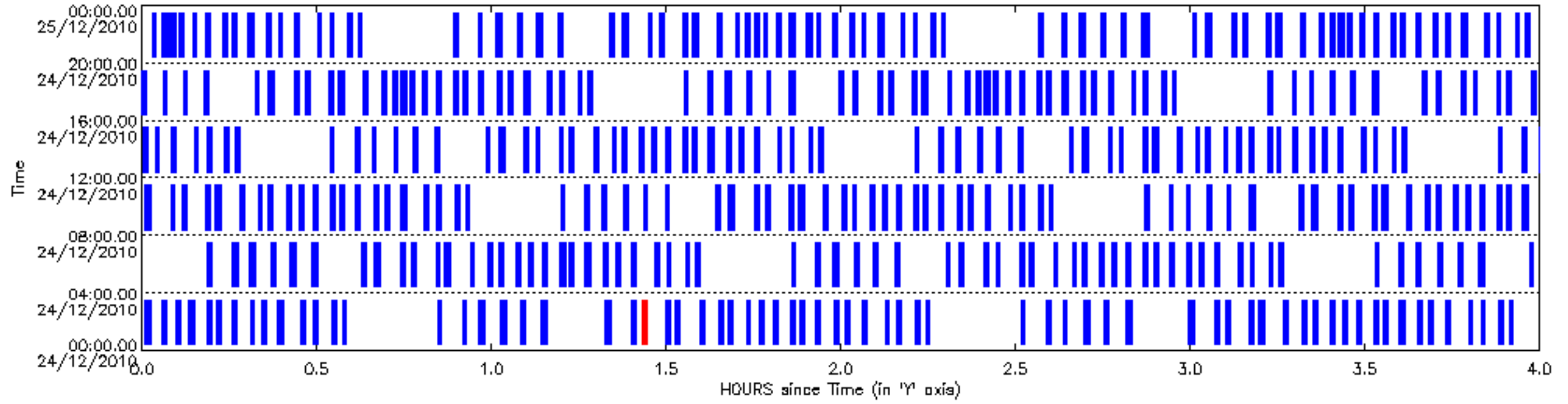
Lower curve: STD of SATU X axis

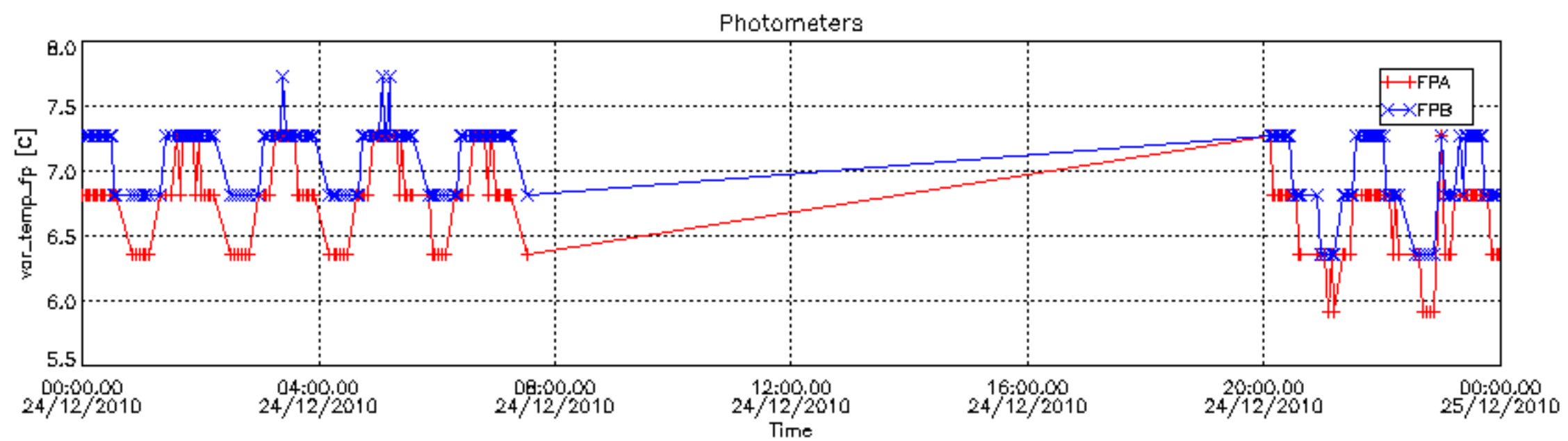
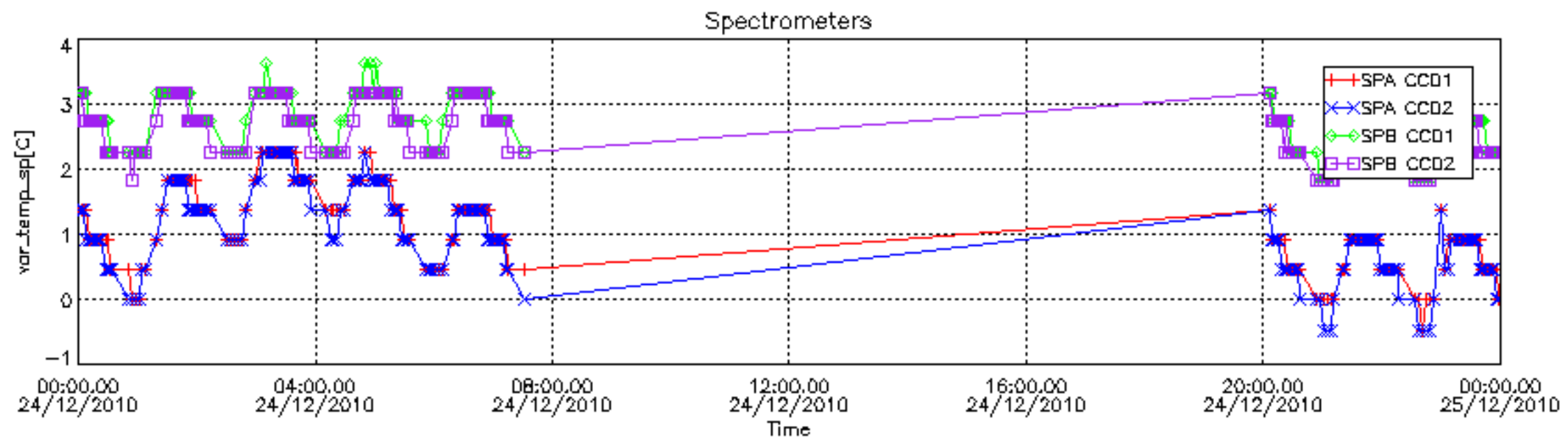


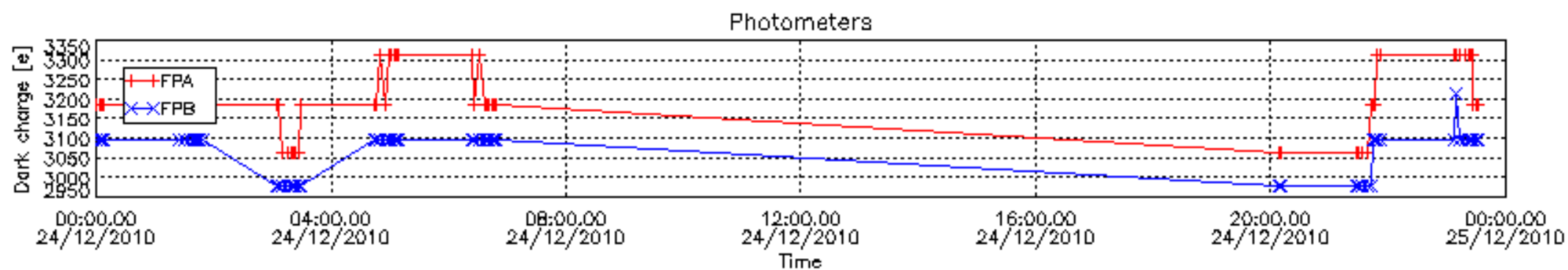
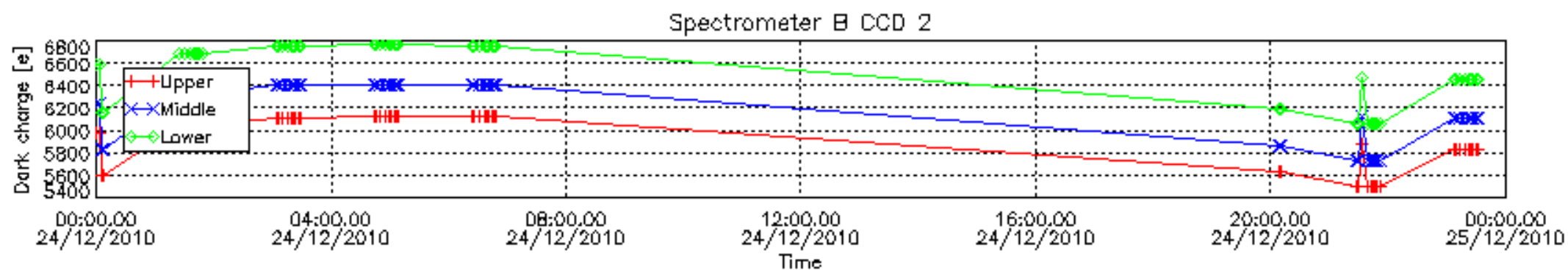
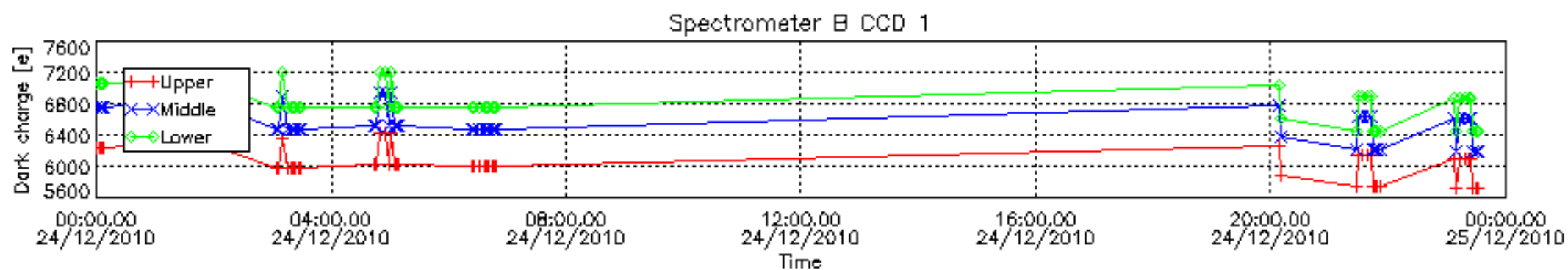
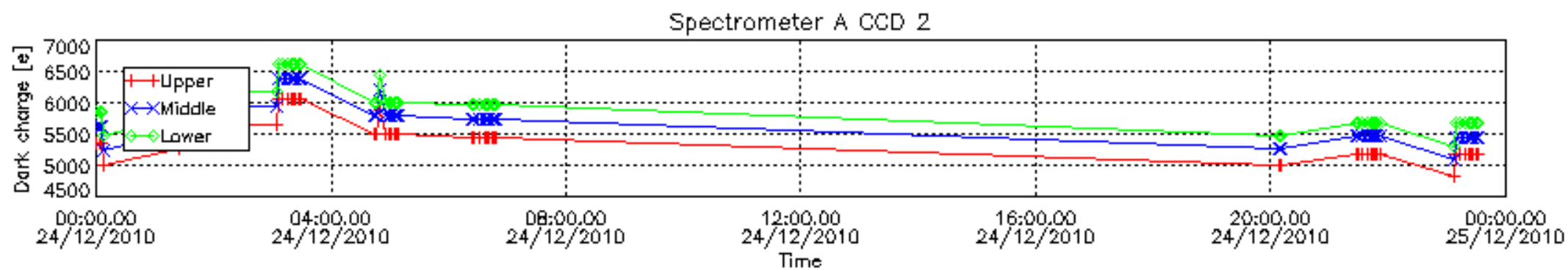
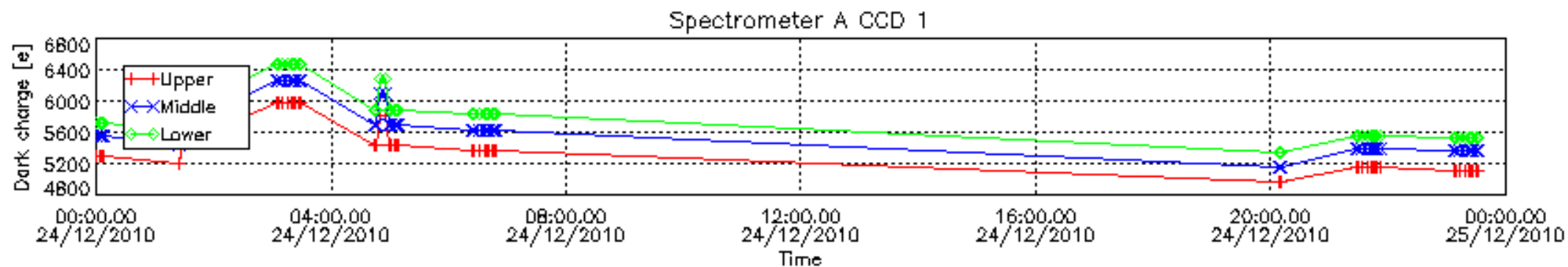
8. Auxiliary Data Files used for the production reported in section 2.4

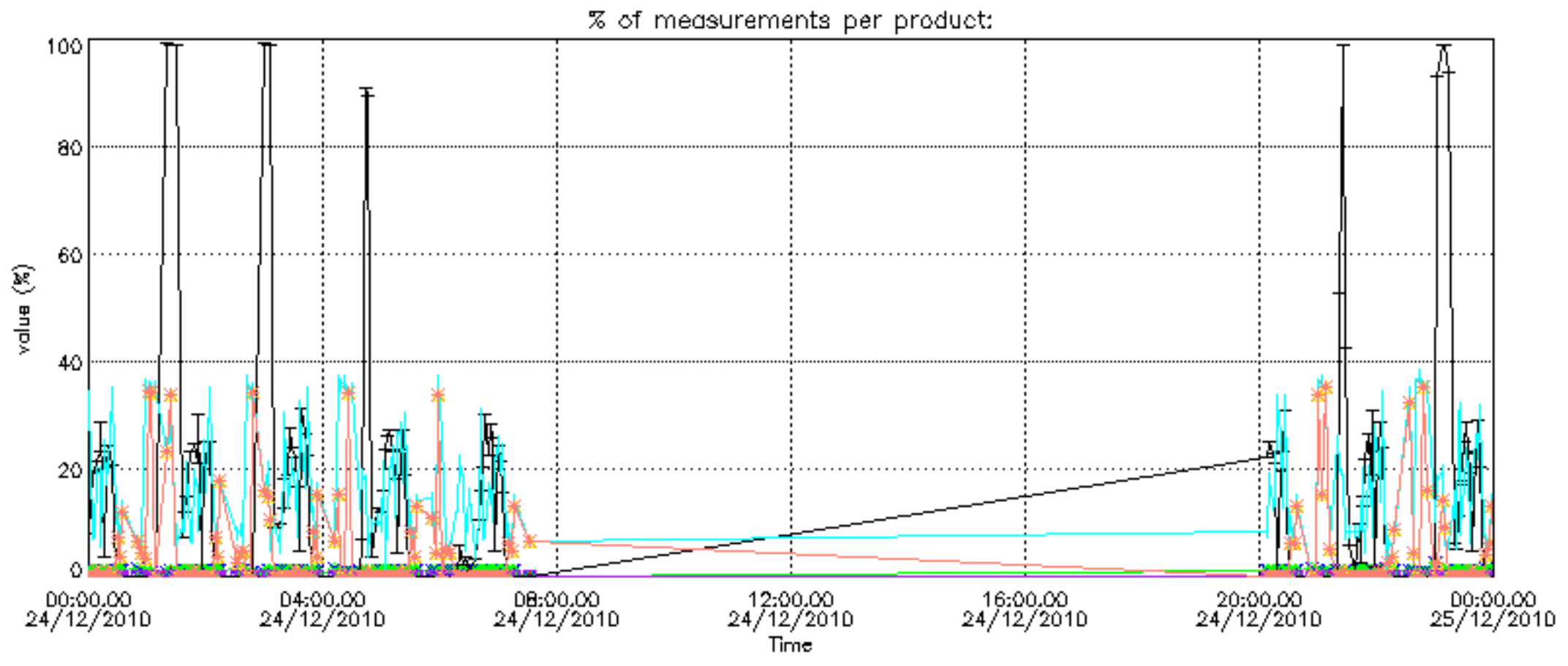
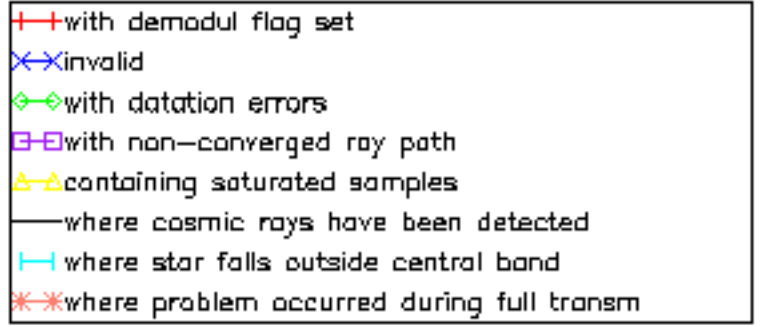
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	24-DEC-2010 00:00:30
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20101220_121136_20101219_000000_20500101_000000	1	24-DEC-2010 00:00:30
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	24-DEC-2010 00:00:30
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	24-DEC-2010 00:00:30
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	24-DEC-2010 00:00:30
ECMWF_FILE	AUX_ECF_AXNECM20101223_054116_20101223_210000_20101224_090000	1	24-DEC-2010 00:00:30
ECMWF_FILE	AUX_ECF_AXNECM20101223_172116_20101224_030000_20101224_150000	66	24-DEC-2010 04:11:15
ECMWF_FILE	AUX_ECA_AXNECM20101224_052116_20101223_210000_20101224_090000	93	24-DEC-2010 05:51:29
ECMWF_FILE	AUX_ECF_AXNECM20101224_054116_20101224_150000_20101225_030000	121	24-DEC-2010 20:06:25
ECMWF_FILE	AUX_ECF_AXNECM20101224_054116_20101224_210000_20101225_090000	140	24-DEC-2010 21:20:11
OPTIONAL_ECMWF_FILE	MISSING	1	24-DEC-2010 00:00:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101223_233503_000057383097_00389_46093_2190.N1	1	24-DEC-2010 00:00:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101224_011600_000098823097_00390_46094_2191.N1	21	24-DEC-2010 01:19:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101224_040602_000057383097_00392_46096_2192.N1	66	24-DEC-2010 04:11:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101224_054659_000060573097_00393_46097_2193.N1	93	24-DEC-2010 05:51:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101224_200224_000041443097_00402_46106_2194.N1	121	24-DEC-2010 20:06:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101224_211647_000057383097_00402_46106_2195.N1	140	24-DEC-2010 21:20:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101224_225744_000057383097_00403_46107_2196.N1	168	24-DEC-2010 23:00:25

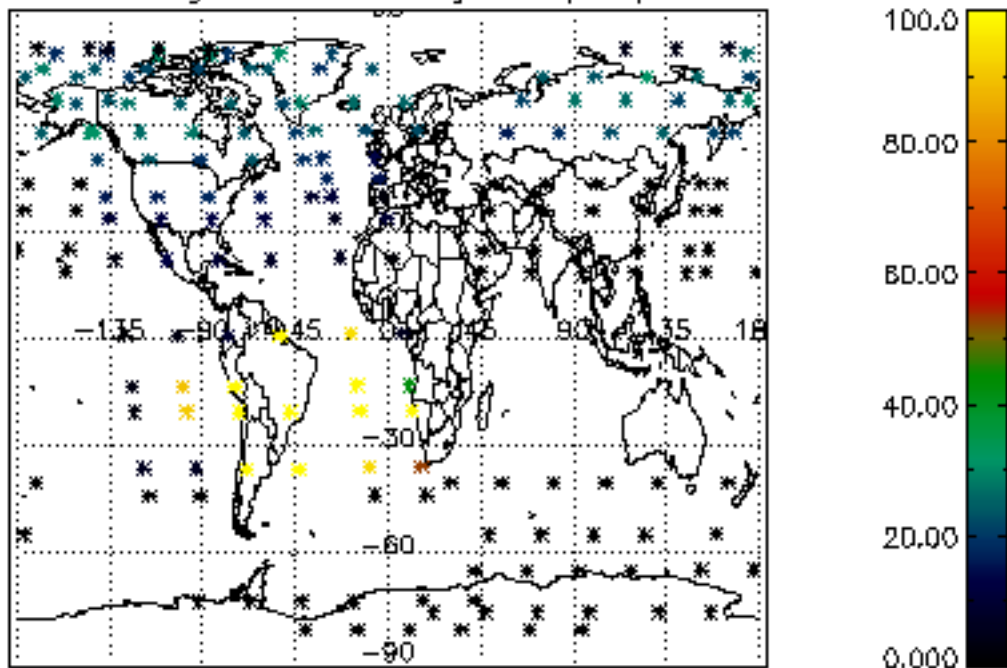




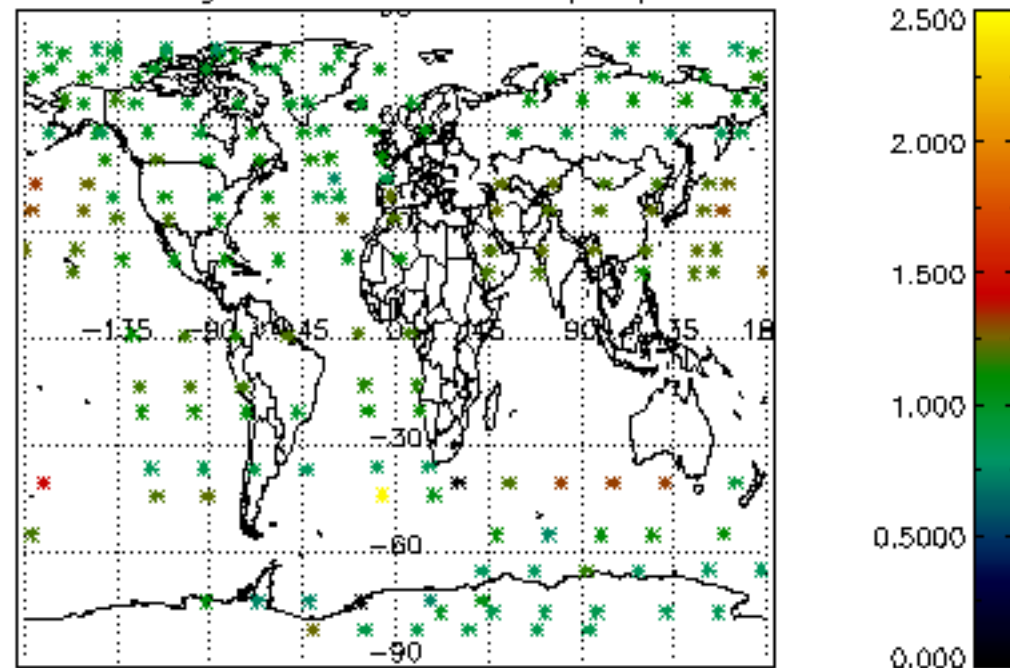




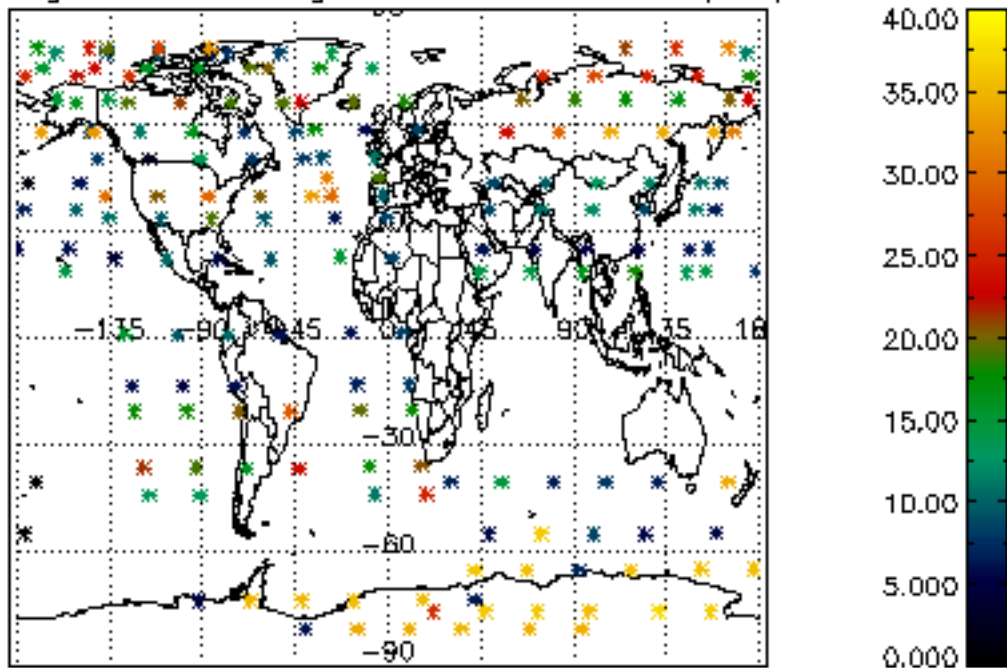
Percentage of cosmic ray hits per profile



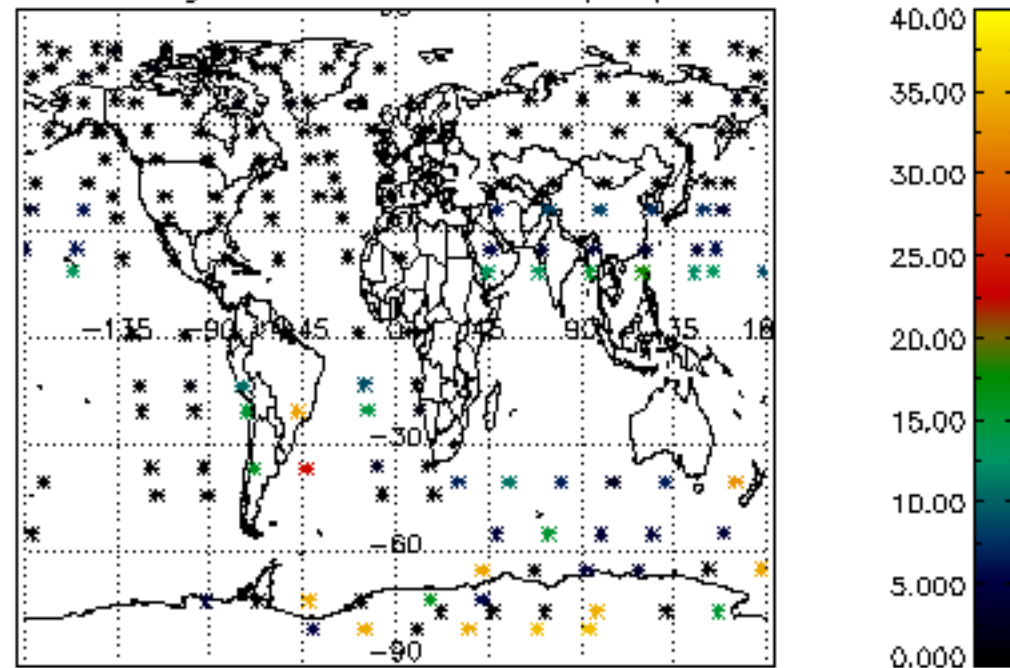
Percentage of datation errors per profile



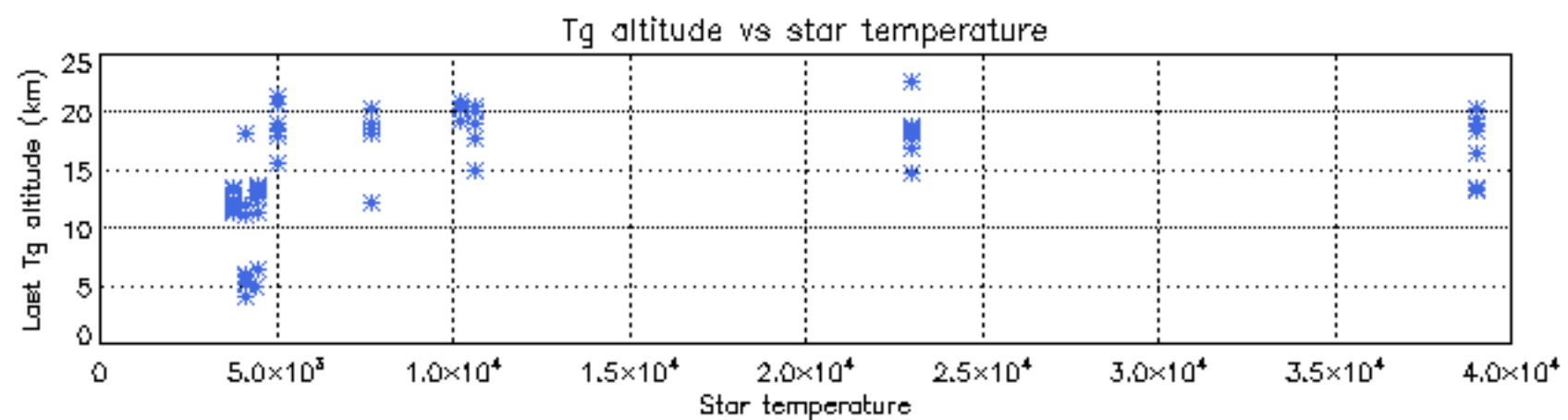
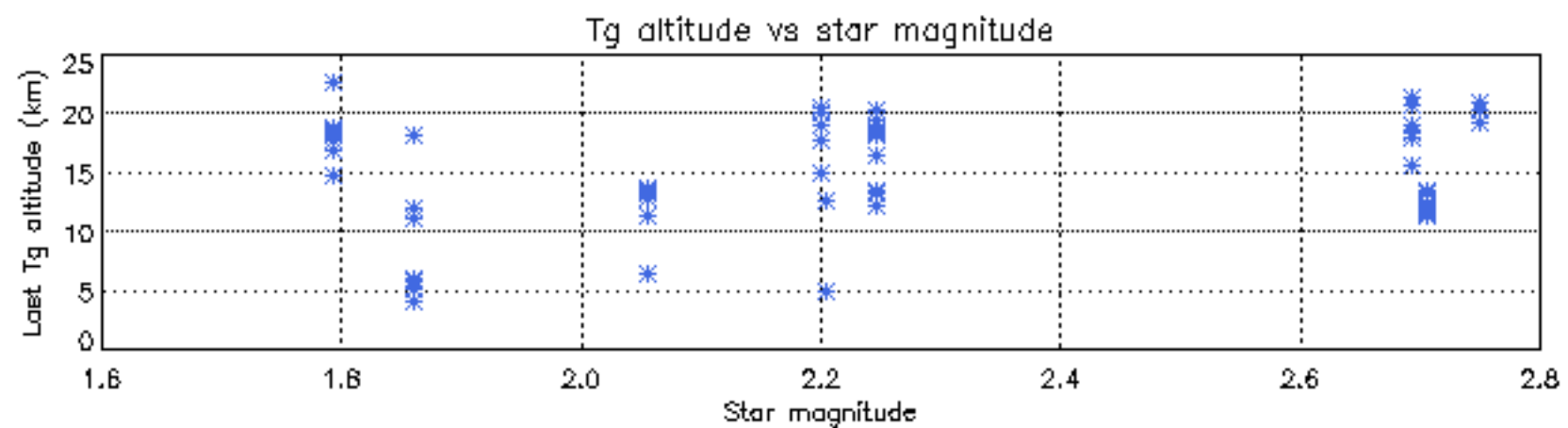
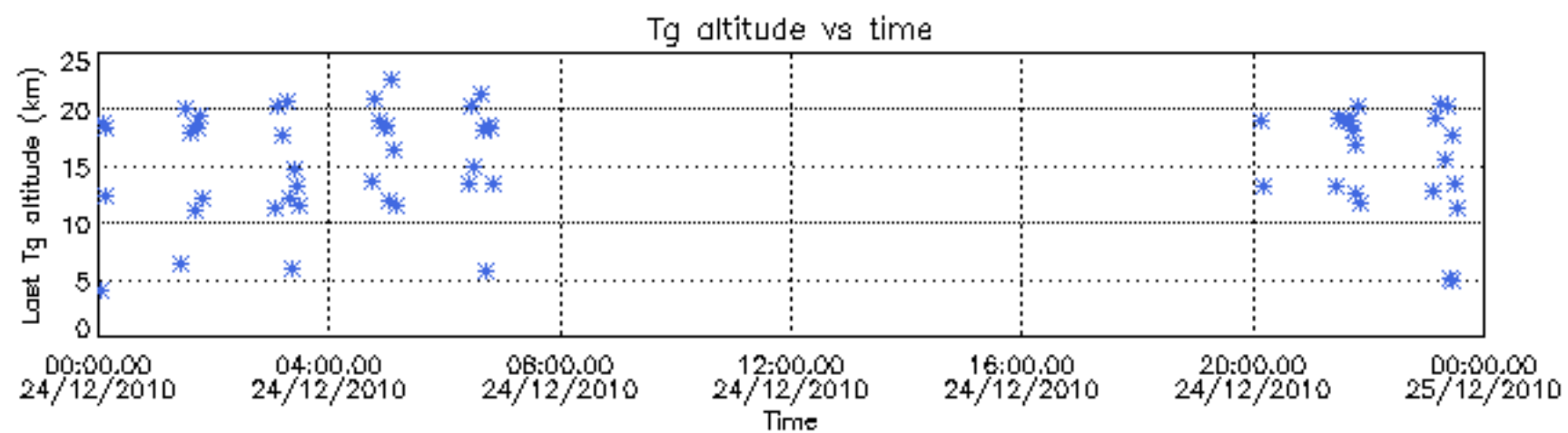
Percentage of star falling outside central band per profile



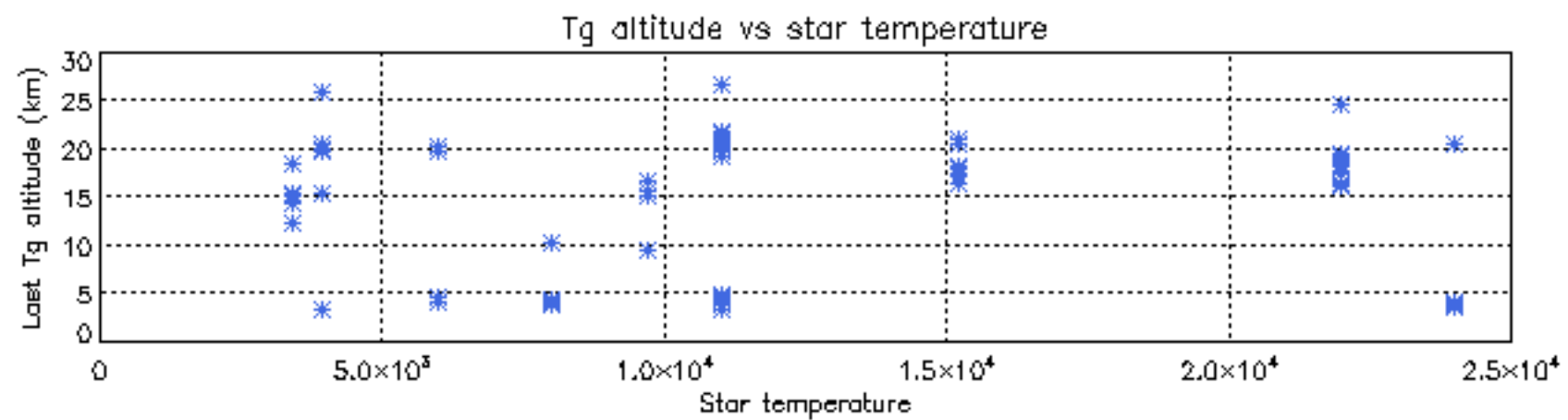
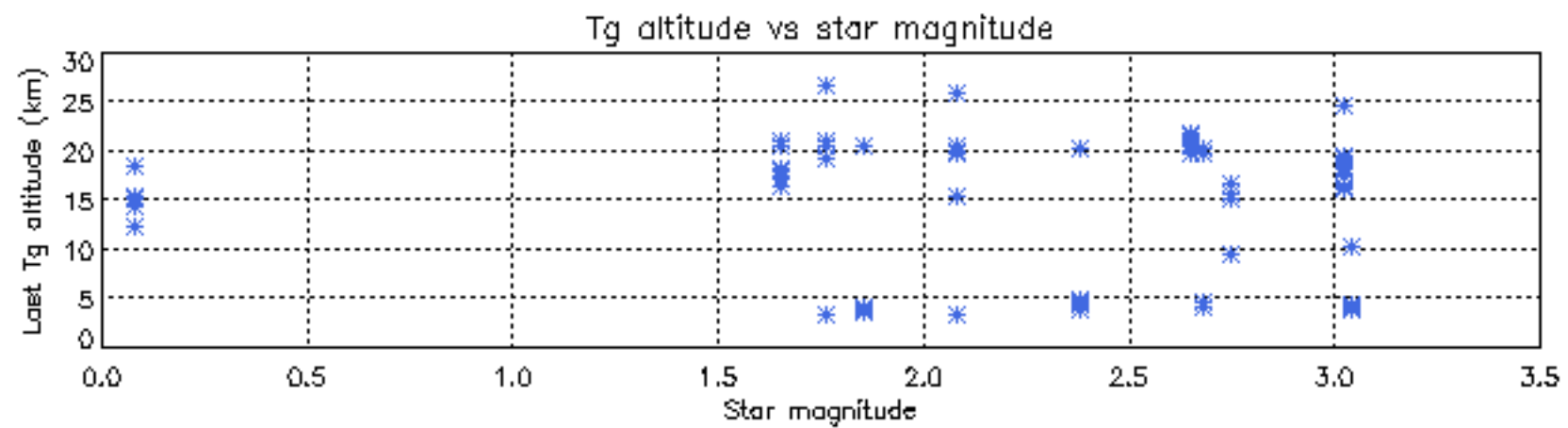
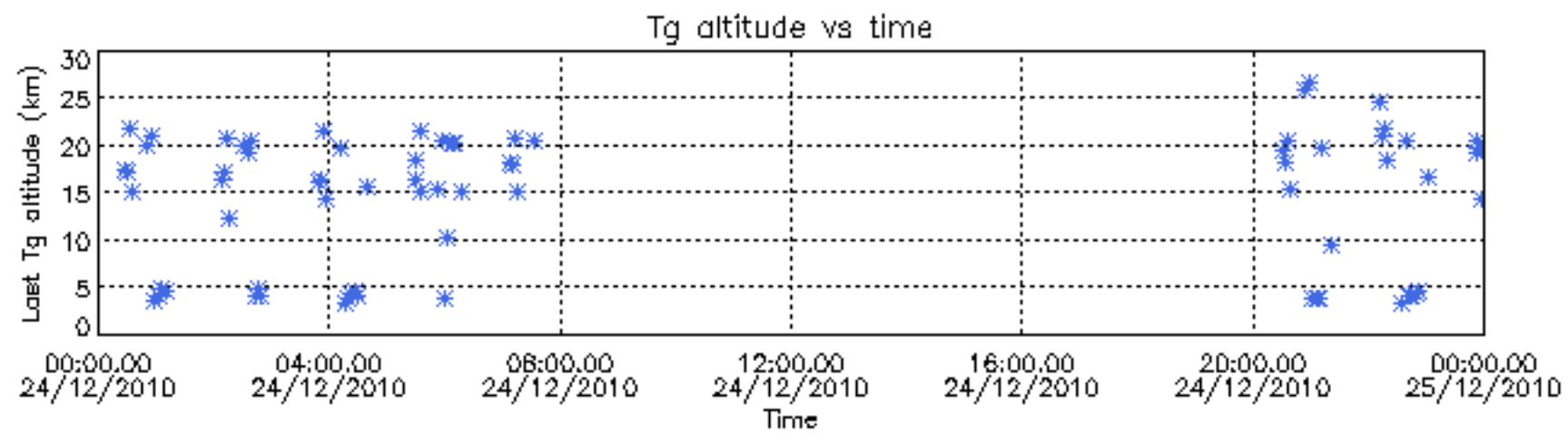
Percentage of saturation errors per profile

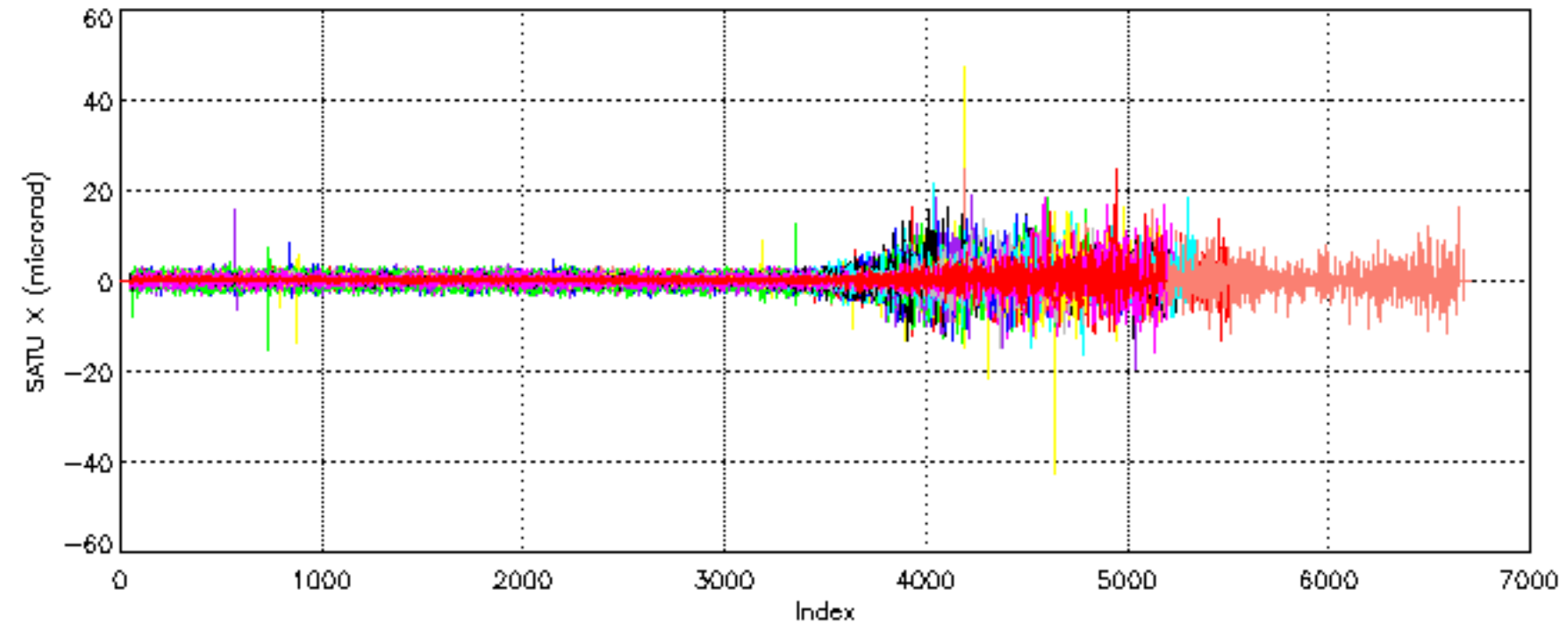


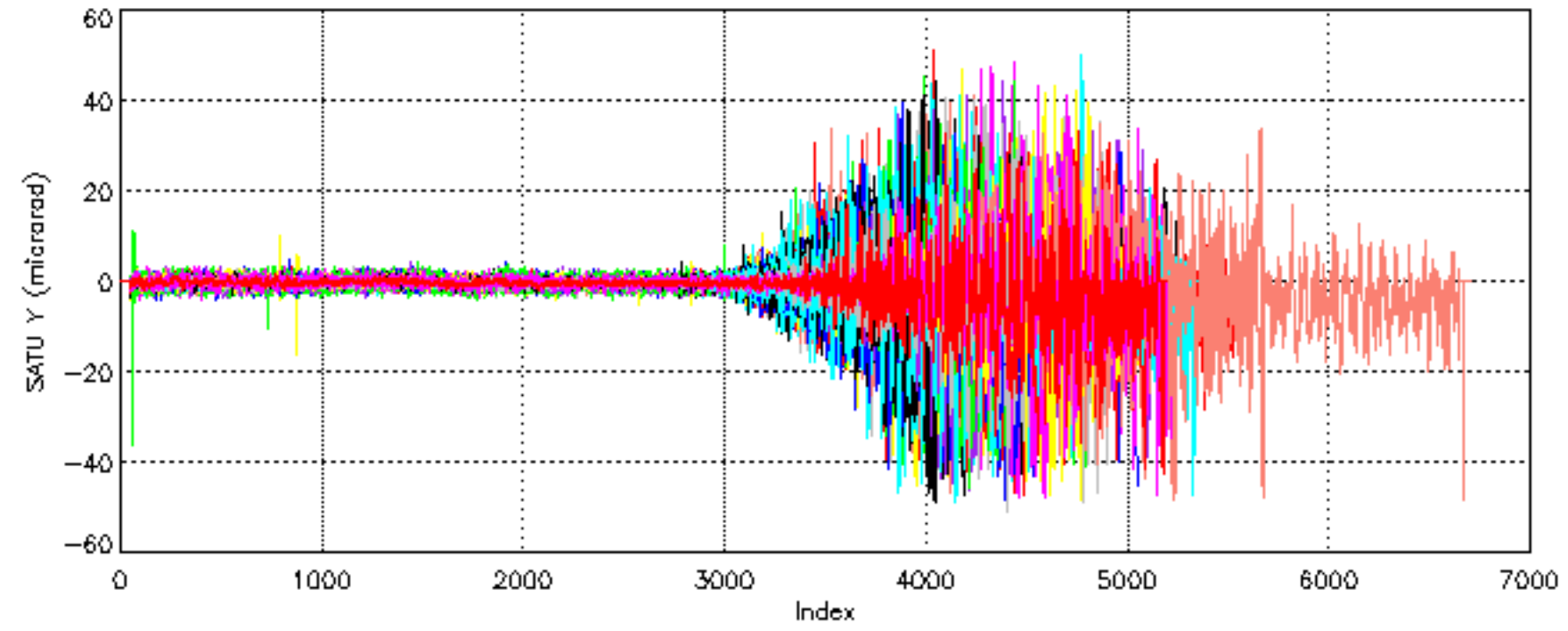
Tangent altitude at which the star is lost

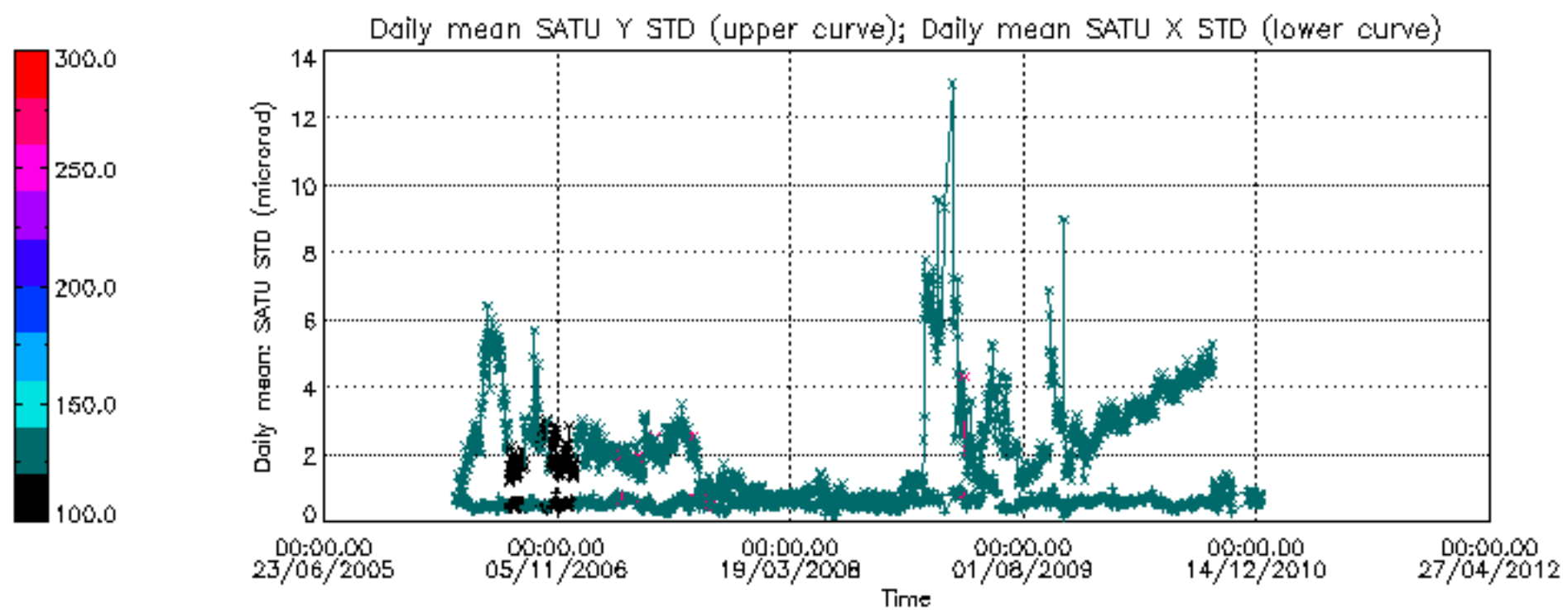


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20101201_002235_000056993097_00059_45763_1795.N1

1; -581.2; 01-DEC-2010 00:22:35; Dark ; 49.0; 100; 4Gam Crv ; 2.58; 13100;occ; 98; 0;45763
 2; -485.7; 01-DEC-2010 00:24:11; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;45763
 3; 80.8; 01-DEC-2010 00:33:37; Dark ; 42.0; 113; Mu Vel ; 2.69; 5000;occ; 84; 0;45764
 4; 404.8; 01-DEC-2010 00:39:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45764
 5; 595.6; 01-DEC-2010 00:42:12; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;45764
 6; 797.9; 01-DEC-2010 00:45:35; Dark ; 49.0; 2; Alp Car ;-0.74; 7000;occ; 98; 0;45764
 7; 907.6; 01-DEC-2010 00:47:24; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;45764
 8; 1181.6; 01-DEC-2010 00:51:58; Dark ; 47.0; 108; Alp Col ; 2.65; 15200;occ; 94; 0;45764
 9; 1523.2; 01-DEC-2010 00:57:40; Dark ; 54.5; 101; 11Alp Lep ; 2.58; 7000;occ; 109; 0;45764
 10; 1739.4; 01-DEC-2010 01:01:16; Dark ; 68.5; 7; 19Bet Ori ; 0.10; 14000;occ; 137; 0;45764
 11; 2218.1; 01-DEC-2010 01:09:15; Bright; 55.0; 13; 87Alp Tau ; 0.87; 3800;occ; 110; 0;45764
 12; 2314.7; 01-DEC-2010 01:10:51; Bright; 37.5; 146; 25Eta Tau ; 2.87; 15200;occ; 75; 0;45764
 13; 2456.2; 01-DEC-2010 01:13:13; Bright; 36.5; 150; 44Zet Per ; 2.89; 28000;occ; 73; 0;45764
 14; 2601.4; 01-DEC-2010 01:15:38; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;45764
 15; 2722.5; 01-DEC-2010 01:17:39; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45764
 16; 2831.7; 01-DEC-2010 01:19:28; Bright; 53.0; 6; 13Alp Aur ; 0.08; 3400;occ; 106; 0;45764
 17; 2940.4; 01-DEC-2010 01:21:17; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;45764
 18; 3801.3; 01-DEC-2010 01:35:38; Bright; 45.0; 36; 50Alp UMa ; 1.80; 6300;occ; 90; 0;45764
 19; 3896.8; 01-DEC-2010 01:37:13; Bright; 68.0; 82; 48Bet UMa ; 2.37; 10600;occ; 136; 0;45764
 20; 3994.3; 01-DEC-2010 01:38:51; Bright; 38.0; 32; 77Eps UMa ; 1.76; 11000;occ; 76; 0;45764
 21; 4165.0; 01-DEC-2010 01:41:42; Bright; 52.0; 174; 52Psi UMa ; 3.00; 4400;occ; 104; 0;45764
 22; 4326.2; 01-DEC-2010 01:44:23; Bright; 39.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 78; 0;45764
 23; 4896.6; 01-DEC-2010 01:53:53; Bright; 56.5; 62; 94Bet Leo ; 2.14; 9700;occ; 113; 0;45764
 24; 5095.3; 01-DEC-2010 01:57:12; Bright; 23.5; 121; 29Gam Vir ; 2.74; 7200;occ; 47; 0;45764

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20101201_015712_000038993097_00060_45764_1796.N1

1; -918.7; 01-DEC-2010 01:57:12; Bright; 62.0; 121; 29Gam Vir ; 2.74; 7200;occ; 124; 0;45764
 2; 81.8; 01-DEC-2010 02:13:52; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;45765
 3; 405.6; 01-DEC-2010 02:19:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45765
 4; 596.6; 01-DEC-2010 02:22:27; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45765
 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
 10; 2217.8; 01-DEC-2010 02:49:28; Bright; 59.0; 13; 87Alp Tau ; 0.87; 3800;occ; 118; 0;45765
 11; 2314.7; 01-DEC-2010 02:51:05; Bright; 39.5; 146; 25Eta Tau ; 2.87; 15200;occ; 79; 0;45765
 12; 2456.0; 01-DEC-2010 02:53:27; Bright; 39.5; 150; 44Zet Per ; 2.89; 28000;occ; 79; 0;45765
 13; 2601.2; 01-DEC-2010 02:55:52; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;45765
 14; 2722.2; 01-DEC-2010 02:57:53; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45765
 15; 2831.1; 01-DEC-2010 02:59:42; Bright; 53.5; 6; 13Alp Aur ; 0.08; 3400;occ; 107; 0;45765
 16; 2939.5; 01-DEC-2010 03:01:30; Bright; 41.5; 42; 34Bet Aur ; 1.90; 10200;occ; 83; 0;45765

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20101201_031552_000051983097_00061_45765_1797.N1

1; -2213.0; 01-DEC-2010 03:15:52; Bright; 45.5; 36; 50Alp UMa ; 1.80; 6300;occ; 91; 0;45765
 2; -2117.5; 01-DEC-2010 03:17:27; Bright; 48.0; 82; 48Bet UMa ; 2.37; 10600;occ; 96; 0;45765
 3; -2019.8; 01-DEC-2010 03:19:05; Bright; 41.5; 32; 77Eps UMa ; 1.76; 11000;occ; 83; 0;45765
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 6; 2449.9; 03-DEC-2010 08:20:50; Bright; 38.5; 150; 44Zet Per ; 2.89; 28000;occ; 77; 0;45797
 7; 2593.8; 03-DEC-2010 08:23:14; Bright; 36.5; 149; 45Eps Per ; 2.89; 30000;occ; 73; 0;45797
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23; 6464.7; 04-DEC-2010 20:32:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45819
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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
9; 2713.3; 05-DEC-2010 02:11:04; Bright; 44.5; 175; 39Del Per ; 3.01; 19400;occ; 89; 49;45822
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13; 4120.1; 05-DEC-2010 02:34:30; Bright; 48.5; 39; 85Eta UMa ; 1.85; 24000;occ; 97; 50;45822
14; 4345.1; 05-DEC-2010 02:38:16; Bright; 41.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 83; 59;45822
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16; 4862.1; 05-DEC-2010 02:46:52; Bright; 23.5; 138; 47Eps Vir ; 2.83; 4700;occ; 47; 17;45822
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 8; 2711.1; 06-DEC-2010 08:15:14; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45840
 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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 6; 2305.9; 07-DEC-2010 12:32:27; Bright; 36.5; 146; 25Eta Tau ; 2.87; 15200;occ; 73; 0;45857
 7; 2441.5; 07-DEC-2010 12:34:43; Bright; 37.5; 150; 44Zet Per ; 2.89; 28000;occ; 75; 0;45857
 8; 2522.3; 07-DEC-2010 12:36:04; Bright; 42.5; 114; 3Iot Aur ; 2.69; 4600;occ; 85; 0;45857
 9; 2709.0; 07-DEC-2010 12:39:11; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45857
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 14; 4120.3; 07-DEC-2010 13:02:42; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;45857
 15; 4330.6; 07-DEC-2010 13:06:12; Bright; 42.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 85; 0;45857
 16; 4673.6; 07-DEC-2010 13:11:55; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;45857
 17; 4875.5; 07-DEC-2010 13:15:17; Bright; 44.5; 138; 47Eps Vir ; 2.83; 4700;occ; 89; 0;45857
 18; 5156.7; 07-DEC-2010 13:19:58; Dark ; 51.5; 121; 29Gam Vir ; 2.74; 7200;occ; 103; 0;45857
 19; 5432.3; 07-DEC-2010 13:24:34; Dark ; 45.0; 169; 46Gam Hya ; 2.99; 4700;occ; 90; 0;45857
 20; 5517.0; 07-DEC-2010 13:25:58; Dark ; 50.0; 100; 4Gam Crv ; 2.58; 13100;occ; 100; 0;45857
 21; 5613.4; 07-DEC-2010 13:27:35; Dark ; 54.5; 171; 2Eps Crv ; 3.00; 4250;occ; 109; 0;45857
 22; 5968.9; 07-DEC-2010 13:33:30; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;45857
 23; 6171.3; 07-DEC-2010 13:36:53; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45858
 24; 6496.5; 07-DEC-2010 13:42:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45858
 25; 6689.7; 07-DEC-2010 13:45:31; Dark ; 51.5; 34; Gam2Vel ; 1.79; 23000;occ; 103; 0;45858
 26; 6858.3; 07-DEC-2010 13:48:20; Dark ; 48.5; 2; Alp Car ; -0.74; 7000;occ; 97; 0;45858
 27; 6995.0; 07-DEC-2010 13:50:36; Dark ; 54.5; 117; Pi Pup ; 2.71; 3800;occ; 109; 0;45858
 28; 7231.8; 07-DEC-2010 13:54:33; Dark ; 44.0; 108; Alp Col ; 2.65; 15200;occ; 88; 0;45858

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 2; 1736.0; 07-DEC-2010 14:03:11; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;45858
 3; 1891.4; 07-DEC-2010 14:05:47; Dark ; 55.5; 30; 46Eps Ori ; 1.69; 30000;occ; 111; 0;45858
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 6; 2305.7; 07-DEC-2010 14:12:41; Bright; 38.0; 146; 25Eta Tau ; 2.87; 15200;occ; 76; 0;45858
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 8; 2521.9; 07-DEC-2010 14:16:17; Bright; 43.0; 114; 3Iot Aur ; 2.69; 4600;occ; 86; 0;45858
 9; 2709.2; 07-DEC-2010 14:19:25; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45858
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 11; 3765.5; 07-DEC-2010 14:37:01; Bright; 46.5; 36; 50Alp UMa ; 1.80; 6300;occ; 93; 0;45858
 12; 3857.4; 07-DEC-2010 14:38:33; Bright; 49.5; 82; 48Bet UMa ; 2.37; 10600;occ; 99; 0;45858
 13; 3983.8; 07-DEC-2010 14:40:39; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;45858
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 19; 5432.9; 07-DEC-2010 15:04:48; Dark ; 43.0; 169; 46Gam Hya ; 2.99; 4700;occ; 86; 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
 23; 6172.2; 07-DEC-2010 15:17:08; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45859
 24; 6497.4; 07-DEC-2010 15:22:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45859
 25; 6690.5; 07-DEC-2010 15:25:46; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45859
 26; 6858.9; 07-DEC-2010 15:28:34; Dark ; 55.0; 2; Alp Car ; -0.74; 7000;occ; 110; 0;45859
 27; 6995.8; 07-DEC-2010 15:30:51; Dark ; 61.5; 117; Pi Pup ; 2.71; 3800;occ; 123; 0;45859
 28; 7232.1; 07-DEC-2010 15:34:48; Dark ; 46.5; 108; Alp Col ; 2.65; 15200;occ; 93; 0;45859

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2;	1735.8;	07-DEC-2010	15:43:25;	Dark	;	53.5;	7;	19Bet	Ori	;	0.10;	14000;	occ;	107;	0;	45859
3;	1891.2;	07-DEC-2010	15:46:01;	Dark	;	55.5;	30;	46Eps	Ori	;	1.69;	30000;	occ;	111;	0;	45859
4;	2042.4;	07-DEC-2010	15:48:32;	Dark	;	55.5;	27;	24Gam	Ori	;	1.64;	26000;	occ;	111;	0;	45859
5;	2192.9;	07-DEC-2010	15:51:02;	Dark	;	58.0;	13;	87Alp	Tau	;	0.87;	3800;	occ;	116;	0;	45859
6;	2305.6;	07-DEC-2010	15:52:55;	Bright;		37.5;	146;	25Eta	Tau	;	2.87;	15200;	occ;	75;	0;	45859
7;	2441.0;	07-DEC-2010	15:55:11;	Bright;		38.0;	150;	44Zet	Per	;	2.89;	28000;	occ;	76;	0;	45859
8;	2521.4;	07-DEC-2010	15:56:31;	Bright;		43.5;	114;	3Iot	Aur	;	2.69;	4600;	occ;	87;	0;	45859
9;	2708.8;	07-DEC-2010	15:59:38;	Bright;		36.5;	175;	39Del	Per	;	3.01;	19400;	occ;	73;	0;	45859
10;	2858.9;	07-DEC-2010	16:02:08;	Bright;		49.0;	42;	34Bet	Aur	;	1.90;	10200;	occ;	98;	0;	45859
11;	3765.0;	07-DEC-2010	16:17:15;	Bright;		66.0;	36;	50Alp	UMa	;	1.80;	6300;	occ;	132;	0;	45859
12;	3857.0;	07-DEC-2010	16:18:46;	Bright;		49.5;	82;	48Bet	UMa	;	2.37;	10600;	occ;	99;	0;	45859
13;	3983.6;	07-DEC-2010	16:20:53;	Bright;		41.5;	32;	77Eps	UMa	;	1.76;	11000;	occ;	83;	0;	45859
14;	4120.4;	07-DEC-2010	16:23:10;	Bright;		39.5;	39;	85Eta	UMa	;	1.85;	24000;	occ;	79;	0;	45859
15;	4330.7;	07-DEC-2010	16:26:40;	Bright;		40.5;	152;	12Alp2	CVn	;	2.89;	11000;	occ;	81;	0;	45859
16;	4674.2;	07-DEC-2010	16:32:24;	Bright;		56.0;	111;	8Eta	Boo	;	2.68;	6000;	occ;	112;	0;	45859
17;	4876.5;	07-DEC-2010	16:35:46;	Bright;		43.0;	138;	47Eps	Vir	;	2.83;	4700;	occ;	86;	0;	45859
18;	5158.1;	07-DEC-2010	16:40:28;	Dark	;	53.0;	121;	29Gam	Vir	;	2.74;	7200;	occ;	106;	0;	45859
19;	5433.5;	07-DEC-2010	16:45:03;	Dark	;	43.0;	169;	46Gam	Hya	;	2.99;	4700;	occ;	86;	0;	45859
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21;	5615.4;	07-DEC-2010	16:48:05;	Dark	;	52.5;	171;	2Eps	Crv	;	3.00;	4250;	occ;	105;	0;	45859
22;	5970.1;	07-DEC-2010	16:54:00;	Dark	;	41.0;	99;	Del	Cen	;	2.58;	26000;	occ;	82;	0;	45859
23;	6173.1;	07-DEC-2010	16:57:23;	Dark	;	44.5;	113;	Mu	Vel	;	2.69;	5000;	occ;	89;	0;	45860
24;	6498.3;	07-DEC-2010	17:02:48;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	45860
25;	6691.5;	07-DEC-2010	17:06:01;	Dark	;	48.5;	34;	Gam2	Vel	;	1.79;	23000;	occ;	97;	0;	45860
26;	6859.4;	07-DEC-2010	17:08:49;	Dark	;	49.0;	2;	Alp	Car	;	-0.74;	7000;	occ;	98;	0;	45860
27;	6996.5;	07-DEC-2010	17:11:06;	Dark	;	56.0;	117;	Pi	Pup	;	2.71;	3800;	occ;	112;	0;	45860

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2;	1218.4;	07-DEC-2010	17:15:02;	Dark	;	45.0;	108;	Alp	Col	;	2.65;	15200;	occ;	90;	0;	45860
3;	1537.3;	07-DEC-2010	17:20:21;	Dark	;	50.5;	101;	11Alp	Lep	;	2.58;	7000;	occ;	101;	0;	45860
4;	1735.9;	07-DEC-2010	17:23:39;	Dark	;	55.0;	7;	19Bet	Ori	;	0.10;	14000;	occ;	110;	0;	45860
5;	1891.1;	07-DEC-2010	17:26:15;	Dark	;	55.5;	30;	46Eps	Ori	;	1.69;	30000;	occ;	111;	0;	45860
6;	2042.2;	07-DEC-2010	17:28:46;	Dark	;	55.0;	27;	24Gam	Ori	;	1.64;	26000;	occ;	110;	0;	45860
7;	2192.5;	07-DEC-2010	17:31:16;	Dark	;	58.0;	13;	87Alp	Tau	;	0.87;	3800;	occ;	116;	0;	45860
8;	2305.4;	07-DEC-2010	17:33:09;	Bright;		38.0;	146;	25Eta	Tau	;	2.87;	15200;	occ;	76;	0;	45860
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10;	2520.9;	07-DEC-2010	17:36:44;	Bright;		43.0;	114;	3Iot	Aur	;	2.69;	4600;	occ;	86;	0;	45860
11;	2708.7;	07-DEC-2010	17:39:52;	Bright;		35.5;	175;	39Del	Per	;	3.01;	19400;	occ;	71;	0;	45860
12;	2857.9;	07-DEC-2010	17:42:21;	Bright;		47.5;	42;	34Bet	Aur	;	1.90;	10200;	occ;	95;	0;	45860
13;	3764.6;	07-DEC-2010	17:57:28;	Bright;		45.0;	36;	50Alp	UMa	;	1.80;	6300;	occ;	90;	0;	45860
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17;	4330.9;	07-DEC-2010	18:06:55;	Bright;		40.5;	152;	12Alp2	CVn	;	2.89;	11000;	occ;	81;	0;	45860
18;	4674.4;	07-DEC-2010	18:12:38;	Bright;		37.5;	111;	8Eta	Boo	;	2.68;	6000;	occ;	75;	0;	45860
19;	4876.9;	07-DEC-2010	18:16:01;	Bright;		45.5;	138;	47Eps	Vir	;	2.83;	4700;	occ;	91;	0;	45860
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21;	5434.0;	07-DEC-2010	18:25:18;	Dark	;	43.5;	169;	46Gam	Hya	;	2.99;	4700;	occ;	87;	0;	45860
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25;	6173.8;	07-DEC-2010	18:37:37;	Dark	;	44.5;	113;	Mu	Vel	;	2.69;	5000;	occ;	89;	0;	45861
26;	6499.0;	07-DEC-2010	18:43:03;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	45861
27;	6692.2;	07-DEC-2010	18:46:16;	Dark	;	48.5;	34;	Gam2	Vel	;	1.79;	23000;	occ;	97;	0;	45861
28;	6859.9;	07-DEC-2010	18:49:03;	Dark	;	49.0;	2;	Alp	Car	;	-0.74;	7000;	occ;	98;	0;	45861
29;	6997.1;	07-DEC-2010	18:51:21;	Dark	;	0.5;	117;	Pi	Pup	;	2.71;	3800;	occ;	1;	0;	45861

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5;	1890.7;	07-DEC-2010	19:06:28;	Dark	;	52.0;	30;	46Eps	Ori	;	1.69;	30000;	occ;	104;	0;	45861
6;	2041.8;	07-DEC-2010	19:09:00;	Dark	;	53.0;	27;	24Gam	Ori	;	1.64;	26000;	occ;	106;	0;	45861
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8;	2305.4;	07-DEC-2010	19:13:23;	Bright;		37.5;	146;	25Eta	Tau	;	2.87;	15200;	occ;	75;	0;	45861
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 23; 6257.6; 14-DEC-2010 12:41:42; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45958
 24; 6490.3; 14-DEC-2010 12:45:34; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;45958
 25; 6575.0; 14-DEC-2010 12:46:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45958
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 27; 6901.5; 14-DEC-2010 12:52:26; Dark ; 49.5; 2; Alp Car ; -0.74; 7000;occ; 99; 0;45958
 28; 7059.8; 14-DEC-2010 12:55:04; Dark ; 58.0; 117; Pi Pup ; 2.71; 3800;occ; 116; 0;45958
 29; 7257.2; 14-DEC-2010 12:58:21; Dark ; 56.0; 23; 21Eps CMa ; 1.50; 26000;occ; 112; 0;45958
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 13; 4505.4; 14-DEC-2010 13:52:43; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;45958
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 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
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 16; 2065.4; 15-DEC-2010 00:53:42; Dark ; 62.5; 14; 58Alp Ori ; 0.87; 3000;occ; 125; 0;45965
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 27; 4703.0; 15-DEC-2010 01:37:39; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;45965
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 5; 23.9; 15-DEC-2010 01:59:54; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;45966
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 13; 1523.4; 15-DEC-2010 02:24:54; Dark ; 56.0; 47; 2Bet CMA ; 1.98; 28000;occ; 112; 0;45966
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 18; 2315.7; 15-DEC-2010 02:38:06; Bright; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;45966
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6;-1310.7; 15-DEC-2010 03:17:54; Bright; 50.5; 111; 8Eta Boo ; 2.68; 6000;occ; 101; 0;45966
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9; -512.4; 15-DEC-2010 03:31:12; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;45966
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11; -72.0; 15-DEC-2010 03:38:32; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;45966
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13; 251.7; 15-DEC-2010 03:43:56; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45967
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15; 567.9; 15-DEC-2010 03:49:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45967
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12; 4116.2; 16-DEC-2010 12:32:47; Bright; 40.0; 39; 85Eta UMa ; 1.85; 24000;occ; 80; 0;45986
13; 4317.3; 16-DEC-2010 12:36:08; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;45986
14; 4510.3; 16-DEC-2010 12:39:21; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;45986
15; 4709.7; 16-DEC-2010 12:42:41; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;45986
16; 4948.4; 16-DEC-2010 12:46:39; Bright; 42.0; 138; 47Eps Vir ; 2.83; 4700;occ; 84; 0;45986
17; 5306.7; 16-DEC-2010 12:52:37; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;45986
18; 5516.3; 16-DEC-2010 12:56:07; Dark ; 44.0; 169; 46Gam Hya ; 2.99; 4700;occ; 88; 0;45986
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22; 6052.3; 16-DEC-2010 13:05:03; Dark ; 42.5; 99; Del Cen ; 2.58; 26000;occ; 85; 0;45987
23; 6283.4; 16-DEC-2010 13:08:54; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45987
24; 6508.3; 16-DEC-2010 13:12:39; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;45987
25; 6596.8; 16-DEC-2010 13:14:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45987
26; 6787.4; 16-DEC-2010 13:17:18; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;45987
27; 6914.4; 16-DEC-2010 13:19:25; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;45987
28; 7076.2; 16-DEC-2010 13:22:07; Dark ; 58.5; 117; Pi Pup ; 2.71; 3800;occ; 117; 0;45987
29; 7219.7; 16-DEC-2010 13:24:30; Dark ; 38.0; 88; 31Eta CMA ; 2.45; 20000;occ; 76; 0;45987
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31; 7540.6; 16-DEC-2010 13:29:51; Dark ; 31.0; 47; 2Bet CMA ; 1.98; 28000;occ; 62; 0;45987
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2; 1738.4; 16-DEC-2010 13:33:23; Dark ; 56.0; 7; 19Bet Ori ; 0.10; 14000;occ; 112; 0;45987
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4; 2058.1; 16-DEC-2010 13:38:43; Dark ; 60.5; 14; 58Alp Ori ; 0.87; 3000;occ; 121; 0;45987
5; 2176.7; 16-DEC-2010 13:40:41; Dark ; 44.5; 13; 87Alp Tau ; 0.87; 3800;occ; 89; 0;45987
6; 2307.4; 16-DEC-2010 13:42:52; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;45987
7; 2430.3; 16-DEC-2010 13:44:55; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;45987

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9; 2773.9; 16-DEC-2010 13:50:39; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;45987
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11; 3960.2; 16-DEC-2010 14:10:25; Bright; 42.0; 32; 77Eps UMa ; 1.76; 11000;occ; 84; 0;45987
12; 4116.3; 16-DEC-2010 14:13:01; Bright; 40.5; 39; 85Eta UMa ; 1.85; 24000;occ; 81; 0;45987
13; 4317.7; 16-DEC-2010 14:16:22; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;45987
14; 4510.6; 16-DEC-2010 14:19:35; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;45987
15; 4709.9; 16-DEC-2010 14:22:55; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;45987
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17; 5307.5; 16-DEC-2010 14:32:52; Dark ; 55.5; 15; 67Alp Vir ; 0.98; 28000;occ; 111; 0;45987
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21; 5955.2; 16-DEC-2010 14:43:40; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;45987
22; 6053.1; 16-DEC-2010 14:45:18; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;45988
23; 6284.3; 16-DEC-2010 14:49:09; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;45988
24; 6509.0; 16-DEC-2010 14:52:54; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;45988
25; 6597.6; 16-DEC-2010 14:54:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45988
26; 6788.2; 16-DEC-2010 14:57:33; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;45988
27; 6915.4; 16-DEC-2010 14:59:40; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;45988
28; 7077.0; 16-DEC-2010 15:02:22; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;45988
29; 7270.2; 16-DEC-2010 15:05:35; Dark ; 51.5; 23; 21Eps CMa ; 1.50; 26000;occ; 103; 0;45988
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3; 1871.8; 16-DEC-2010 15:15:51; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;45988
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5; 2176.7; 16-DEC-2010 15:20:55; Dark ; 45.5; 13; 87Alp Tau ; 0.87; 3800;occ; 91; 0;45988
6; 2307.2; 16-DEC-2010 15:23:06; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;45988
7; 2430.1; 16-DEC-2010 15:25:09; Bright; 40.5; 28; 12Bet Tau ; 1.65; 15200;occ; 81; 0;45988
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12; 4116.2; 16-DEC-2010 15:53:15; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;45988
13; 4317.9; 16-DEC-2010 15:56:37; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;45988
14; 4510.7; 16-DEC-2010 15:59:50; Bright; 35.0; 83; ; 2.38; 11000;occ; 70; 0;45988
15; 4710.3; 16-DEC-2010 16:03:09; Bright; 61.0; 111; 8Eta Boo ; 2.68; 6000;occ; 122; 0;45988
16; 4950.1; 16-DEC-2010 16:07:09; Bright; 33.0; 138; 47Eps Vir ; 2.83; 4700;occ; 66; 0;45988
17; 5308.3; 16-DEC-2010 16:13:07; Dark ; 55.0; 15; 67Alp Vir ; 0.98; 28000;occ; 110; 0;45988
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19; 5669.8; 16-DEC-2010 16:19:09; Dark ; 53.5; 106; 9Bet Crv ; 2.65; 5600;occ; 107; 0;45988
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23; 6285.4; 16-DEC-2010 16:29:24; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;45989
24; 6509.7; 16-DEC-2010 16:33:08; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;45989
25; 6598.5; 16-DEC-2010 16:34:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45989
26; 6789.0; 16-DEC-2010 16:37:48; Dark ; 52.0; 34; Gam2Vel ; 1.79; 23000;occ; 104; 0;45989
27; 6916.1; 16-DEC-2010 16:39:55; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;45989
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29; 7270.7; 16-DEC-2010 16:45:49; Dark ; 6.5; 23; 21Eps CMa ; 1.50; 26000;occ; 13; 0;45989

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5; 1871.4; 16-DEC-2010 16:56:04; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;45989
6; 2057.5; 16-DEC-2010 16:59:10; Dark ; 67.0; 14; 58Alp Ori ; 0.87; 3000;occ; 134; 0;45989
7; 2176.5; 16-DEC-2010 17:01:09; Dark ; 51.5; 13; 87Alp Tau ; 0.87; 3800;occ; 103; 0;45989
8; 2306.5; 16-DEC-2010 17:03:19; Bright; 47.0; 176; 23Zet Tau ; 3.02; 22000;occ; 94; 0;45989
9; 2429.4; 16-DEC-2010 17:05:22; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;45989
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11; 2772.8; 16-DEC-2010 17:11:06; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;45989
12; 3685.7; 16-DEC-2010 17:26:19; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;45989
13; 3959.8; 16-DEC-2010 17:30:53; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;45989
14; 4116.0; 16-DEC-2010 17:33:29; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;45989

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 17; 4710.6; 16-DEC-2010 17:43:24; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;45989
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 19; 5309.0; 16-DEC-2010 17:53:22; Dark ; 51.5; 15; 67Alp Vir ; 0.98; 28000;occ; 103; 0;45989
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 21; 5670.8; 16-DEC-2010 17:59:24; Dark ; 56.5; 106; 9Bet Crv ; 2.65; 5600;occ; 113; 0;45989
 22; 5768.1; 16-DEC-2010 18:01:01; Dark ; 46.0; 171; 2Eps Crv ; 3.00; 4250;occ; 92; 0;45989
 23; 5956.4; 16-DEC-2010 18:04:09; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;45989
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 27; 6599.2; 16-DEC-2010 18:14:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45990
 28; 6789.6; 16-DEC-2010 18:18:02; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;45990
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 3; -240.6; 17-DEC-2010 00:42:02; Dark ; 35.0; 171; 2Eps Crv ; 3.00; 4250;occ; 70; 0;45993
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 5; 43.0; 17-DEC-2010 00:46:46; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;45994
 6; 275.5; 17-DEC-2010 00:50:38; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45994
 7; 498.6; 17-DEC-2010 00:54:22; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;45994
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 9; 778.2; 17-DEC-2010 00:59:01; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;45994
 10; 905.4; 17-DEC-2010 01:01:08; Dark ; 52.5; 70; Zet Pup ; 2.25; 39000;occ; 105; 0;45994
 11; 1065.9; 17-DEC-2010 01:03:49; Dark ; 54.5; 117; Pi Pup ; 2.71; 3800;occ; 109; 0;45994
 12; 1258.4; 17-DEC-2010 01:07:01; Dark ; 52.5; 23; 21Eps CMa ; 1.50; 26000;occ; 105; 0;45994
 13; 1364.4; 17-DEC-2010 01:08:47; Dark ; 39.0; 179; 240mi2CMa ; 3.03; 24000;occ; 78; 0;45994
 14; 1527.5; 17-DEC-2010 01:11:30; Dark ; 51.0; 47; 2Bet CMa ; 1.98; 28000;occ; 102; 0;45994
 15; 1738.3; 17-DEC-2010 01:15:01; Dark ; 50.0; 7; 19Bet Ori ; 0.10; 14000;occ; 100; 0;45994
 16; 1870.9; 17-DEC-2010 01:17:14; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;45994
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 23; 3685.4; 17-DEC-2010 01:47:28; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 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
 26; 4318.1; 17-DEC-2010 01:58:01; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;45994
 27; 4511.5; 17-DEC-2010 02:01:14; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;45994
 28; 4712.1; 17-DEC-2010 02:04:35; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;45994

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 3; -239.1; 17-DEC-2010 02:22:18; Dark ; 29.0; 171; 2Eps Crv ; 3.00; 4250;occ; 58; 0;45994
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 6; 499.3; 17-DEC-2010 02:34:36; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;45995
 7; 588.8; 17-DEC-2010 02:36:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45995
 8; 778.9; 17-DEC-2010 02:39:16; Dark ; 52.0; 34; Gam2Vel ; 1.79; 23000;occ; 104; 0;45995
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 12; 1364.8; 17-DEC-2010 02:49:02; Dark ; 39.0; 179; 240mi2CMa ; 3.03; 24000;occ; 78; 0;45995
 13; 1527.6; 17-DEC-2010 02:51:44; Dark ; 52.5; 47; 2Bet CMa ; 1.98; 28000;occ; 105; 0;45995
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 15; 1870.9; 17-DEC-2010 02:57:28; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;45995
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 17; 2176.2; 17-DEC-2010 03:02:33; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;45995
 18; 2304.1; 17-DEC-2010 03:04:41; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;45995
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14; 4512.8; 17-DEC-2010 13:42:54; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;46001
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13; 4115.3; 17-DEC-2010 16:56:44; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;46003
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22; 6075.2; 18-DEC-2010 18:32:55; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;46019
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4; 2175.2; 20-DEC-2010 07:53:18; Dark ; 47.0; 13; 87Alp Tau ; 0.87; 3800;occ; 94; 0;46041
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9; 3684.0; 20-DEC-2010 08:18:26; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;46041
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11; 4112.1; 20-DEC-2010 08:25:34; Bright; 60.0; 39; 85Eta UMa ; 1.85; 24000;occ; 120; 0;46041
12; 4321.9; 20-DEC-2010 08:29:04; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;46041
13; 4520.0; 20-DEC-2010 08:32:22; Bright; 56.0; 83; ; 2.38; 11000;occ; 112; 0;46041
14; 4728.1; 20-DEC-2010 08:35:50; Bright; 64.0; 111; 8Eta Boo ; 2.68; 6000;occ; 128; 0;46041
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19; 6091.9; 20-DEC-2010 08:58:34; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;46042
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23; 6824.6; 20-DEC-2010 09:10:47; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;46042
24; 6953.9; 20-DEC-2010 09:12:56; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;46042
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27; 7393.7; 20-DEC-2010 09:20:16; Dark ; 49.5; 179; 240mi2CMa ; 3.03; 24000;occ; 99; 0;46042
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7; 2411.8; 20-DEC-2010 12:57:56; Bright; 41.0; 28; 12Bet Tau ; 1.65; 15200;occ; 82; 0;46044
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9; 2705.8; 20-DEC-2010 13:02:50; Bright; 43.0; 6; 13Alp Aur ; 0.08; 3400;occ; 86; 0;46044
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13; 4322.3; 20-DEC-2010 13:29:47; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;46044
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19; 5992.6; 20-DEC-2010 13:57:37; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;46044
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28; 7394.4; 20-DEC-2010 14:20:59; Dark ; 52.5; 179; 240mi2CMa ; 3.03; 24000;occ; 105; 0;46045

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6; 2287.7; 20-DEC-2010 14:36:06; Bright; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;46045
7; 2411.5; 20-DEC-2010 14:38:10; Bright; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;46045
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13; 4322.4; 20-DEC-2010 15:10:01; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;46045
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 16; 5354.1; 20-DEC-2010 15:27:12; Dark ; 55.0; 15; 67Alp Vir ; 0.98; 28000;occ; 110; 0;46045
 17; 5564.5; 20-DEC-2010 15:30:43; Dark ; 51.5; 169; 46Gam Hya ; 2.99; 4700;occ; 103; 0;46045
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 23; 6639.6; 20-DEC-2010 15:48:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46046
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 25; 6956.7; 20-DEC-2010 15:53:55; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;46046
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 9; 2611.7; 20-DEC-2010 16:21:44; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;46046
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 12; 3945.4; 20-DEC-2010 16:43:58; Bright; 45.5; 32; 77Eps UMa ; 1.76; 11000;occ; 91; 0;46046
 13; 4111.4; 20-DEC-2010 16:46:44; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;46046
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 17; 5354.9; 20-DEC-2010 17:07:27; Dark ; 52.0; 15; 67Alp Vir ; 0.98; 28000;occ; 104; 0;46046
 18; 5565.2; 20-DEC-2010 17:10:58; Dark ; 48.0; 169; 46Gam Hya ; 2.99; 4700;occ; 96; 0;46046
 19; 5737.7; 20-DEC-2010 17:13:50; Dark ; 57.0; 106; 9Bet Crv ; 2.65; 5600;occ; 114; 0;46046
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 22; 6337.7; 20-DEC-2010 17:23:50; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;46047
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 25; 6827.9; 20-DEC-2010 17:32:00; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;46047
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 3; 1279.2; 20-DEC-2010 17:39:46; Dark ; 52.0; 23; 21Eps CMa ; 1.50; 26000;occ; 104; 0;46047
 4; 1381.1; 20-DEC-2010 17:41:28; Dark ; 52.0; 179; 240mi2CMa ; 3.03; 24000;occ; 104; 0;46047
 5; 1550.4; 20-DEC-2010 17:44:17; Dark ; 64.0; 1; 9Alp CMa ; -1.44; 11000;occ; 128; 0;46047
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 17; 4521.0; 20-DEC-2010 18:33:48; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;46047
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 19; 5355.7; 20-DEC-2010 18:47:42; Dark ; 53.0; 15; 67Alp Vir ; 0.98; 28000;occ; 106; 0;46047
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 21; 5738.9; 20-DEC-2010 18:54:05; Dark ; 56.0; 106; 9Bet Crv ; 2.65; 5600;occ; 112; 0;46047
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22; 5740.1; 20-DEC-2010 20:34:21; Dark ; 60.5; 106; 9Bet Crv ; 2.65; 5600;occ; 121; 0;46048
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24; 6096.9; 20-DEC-2010 20:40:18; Dark ; 43.0; 99; Del Cen ; 2.58; 26000;occ; 86; 0;46049
25; 6339.3; 20-DEC-2010 20:44:20; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46049
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 6; 1743.0; 21-DEC-2010 20:31:14; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;46063
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22; 6576.4; 24-DEC-2010 10:00:12; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;46100
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27; 7311.6; 24-DEC-2010 10:12:28; Dark ; 51.0; 23; 21Eps CMA ; 1.50; 26000;occ; 102; 0;46100
28; 7409.9; 24-DEC-2010 10:14:06; Dark ; 49.0; 179; 240mi2CMA ; 3.03; 24000;occ; 98; 0;46100
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 13; 4530.9; 24-DEC-2010 12:46:35; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;46101
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 19; 6033.4; 24-DEC-2010 14:51:51; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;46103
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 23; 6682.6; 24-DEC-2010 15:02:40; Dark ; 44.5; 41; Eps Car ; 1.86; 4100;occ; 89; 0;46103
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 27; 7312.7; 24-DEC-2010 15:13:11; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;46103

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25; 6579.3; 24-DEC-2010 18:21:25; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;46105
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27; 6768.3; 24-DEC-2010 18:24:34; Dark ; 61.0; 65; Lam Vel ; 2.20; 4400;occ; 122; 0;46105
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6; 1746.7; 24-DEC-2010 18:41:07; Dark ; 50.5; 7; 19Bet Ori ; 0.10; 14000;occ; 101; 0;46105
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9;	2272.5;	24-DEC-2010	18:49:53;	Bright;	;	41.0;	176;	23Zet Tau	;	3.02;	22000;occ;	82;	0;	46105
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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
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19;	5276.0;	24-DEC-2010	19:39:56;	Bright;	;	37.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	74;	0;	46105
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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
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25;	6391.1;	24-DEC-2010	19:58:31;	Dark	;	50.5;	113;	Mu Vel	;	2.69;	5000;occ;	101;	0;	46106
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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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11;	1300.6;	25-DEC-2010	01:14:37;	Dark	;	50.0;	23;	21Eps CMa	;	1.50;	26000;occ;	100;	0;	46109
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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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13;	1123.3;	25-DEC-2010	02:51:53;	Dark	;	52.5;	117;	Pi Pup	;	2.71;	3800;occ;	105;	0;	46110
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3; 1712.1; 25-DEC-2010 14:43:20; Dark ; 46.0; 56; 53Kap Ori ; 2.07; 30000;occ; 92; 0;46117
4; 1866.6; 25-DEC-2010 14:45:55; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;46117
5; 2029.0; 25-DEC-2010 14:48:37; Dark ; 52.5; 14; 58Alp Ori ; 0.87; 3000;occ; 105; 0;46117
6; 2270.1; 25-DEC-2010 14:52:38; Bright; 41.5; 176; 23Zet Tau ; 3.02; 22000;occ; 83; 0;46117
7; 2394.8; 25-DEC-2010 14:54:43; Bright; 40.0; 28; 12Bet Tau ; 1.65; 15200;occ; 80; 0;46117
8; 2580.7; 25-DEC-2010 14:57:49; Bright; 41.5; 107; 37The Aur ; 2.65; 11000;occ; 83; 0;46117
9; 2689.5; 25-DEC-2010 14:59:38; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;46117
10; 3679.7; 25-DEC-2010 15:16:08; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;46117
11; 3924.3; 25-DEC-2010 15:20:13; Bright; 46.0; 32; 77Eps UMa ; 1.76; 11000;occ; 92; 0;46117
12; 4103.1; 25-DEC-2010 15:23:11; Bright; 42.5; 39; 85Eta UMa ; 1.85; 24000;occ; 85; 0;46117
13; 4327.0; 25-DEC-2010 15:26:55; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;46117
14; 4534.0; 25-DEC-2010 15:30:22; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;46117
15; 4757.4; 25-DEC-2010 15:34:06; Bright; 69.0; 111; 8Eta Boo ; 2.68; 6000;occ; 138; 0;46117
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17; 5422.8; 25-DEC-2010 15:45:11; Dark ; 60.0; 15; 67Alp Vir ; 0.98; 28000;occ; 120; 0;46117
18; 5681.5; 25-DEC-2010 15:49:30; Dark ; 46.5; 54; 5The Cen ; 2.06; 4500;occ; 93; 0;46117
19; 5803.8; 25-DEC-2010 15:51:32; Dark ; 44.5; 123; Iot Cen ; 2.75; 10200;occ; 89; 0;46117
20; 6044.6; 25-DEC-2010 15:55:33; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;46118
21; 6142.0; 25-DEC-2010 15:57:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46118
22; 6401.9; 25-DEC-2010 16:01:30; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;46118
23; 6586.9; 25-DEC-2010 16:04:35; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;46118
24; 6690.0; 25-DEC-2010 16:06:18; Dark ; 49.5; 41; Eps Car ; 1.86; 4100;occ; 99; 0;46118
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26; 7002.7; 25-DEC-2010 16:11:31; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;46118
27; 7140.7; 25-DEC-2010 16:13:49; Dark ; 48.5; 117; Pi Pup ; 2.71; 3800;occ; 97; 0;46118
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3; 1400.8; 25-DEC-2010 16:18:23; Dark ; 49.0; 179; 240mi2CMa ; 3.03; 24000;occ; 98; 0;46118
4; 1559.0; 25-DEC-2010 16:21:01; Dark ; 58.5; 1; 9Alp CMa ; -1.44; 11000;occ; 117; 0;46118
5; 1712.2; 25-DEC-2010 16:23:34; Dark ; 45.0; 56; 53Kap Ori ; 2.07; 30000;occ; 90; 0;46118
6; 1866.5; 25-DEC-2010 16:26:09; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;46118
7; 2028.7; 25-DEC-2010 16:28:51; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;46118
8; 2269.8; 25-DEC-2010 16:32:52; Bright; 40.5; 176; 23Zet Tau ; 3.02; 22000;occ; 81; 0;46118
9; 2394.6; 25-DEC-2010 16:34:57; Bright; 40.0; 28; 12Bet Tau ; 1.65; 15200;occ; 80; 0;46118
10; 2580.3; 25-DEC-2010 16:38:03; Bright; 40.5; 107; 37The Aur ; 2.65; 11000;occ; 81; 0;46118

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 13; 3923.8; 25-DEC-2010 17:00:26; Bright; 47.0; 32; 77Eps UMa ; 1.76; 11000;occ; 94; 0;46118
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 17; 4757.6; 25-DEC-2010 17:14:20; Bright; 69.0; 111; 8Eta Boo ; 2.68; 6000;occ; 138; 0;46118
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 22; 6045.3; 25-DEC-2010 17:35:48; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;46119
 23; 6142.9; 25-DEC-2010 17:37:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46119
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 25; 6587.5; 25-DEC-2010 17:44:50; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46119
 26; 6690.5; 25-DEC-2010 17:46:33; Dark ; 48.5; 41; Eps Car ; 1.86; 4100;occ; 97; 0;46119
 27; 6872.7; 25-DEC-2010 17:49:35; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;46119
 28; 7003.3; 25-DEC-2010 17:51:46; Dark ; 32.0; 70; Zet Pup ; 2.25; 39000;occ; 64; 0;46119

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 6; 1712.2; 25-DEC-2010 18:03:49; Dark ; 43.0; 56; 53Kap Ori ; 2.07; 30000;occ; 86; 0;46119
 7; 1866.4; 25-DEC-2010 18:06:23; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;46119
 8; 2028.5; 25-DEC-2010 18:09:05; Dark ; 53.5; 14; 58Alp Ori ; 0.87; 3000;occ; 107; 0;46119
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 11; 2579.9; 25-DEC-2010 18:18:16; Bright; 41.5; 107; 37The Aur ; 2.65; 11000;occ; 83; 0;46119
 12; 2689.0; 25-DEC-2010 18:20:05; Bright; 40.5; 6; 13Alp Aur ; 0.08; 3400;occ; 81; 0;46119
 13; 3679.7; 25-DEC-2010 18:36:36; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46119
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 16; 4327.1; 25-DEC-2010 18:47:23; Bright; 42.0; 180; 27Gam Boo ; 3.04; 8000;occ; 84; 0;46119
 17; 4534.4; 25-DEC-2010 18:50:51; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;46119
 18; 4758.1; 25-DEC-2010 18:54:35; Bright; 69.0; 111; 8Eta Boo ; 2.68; 6000;occ; 138; 0;46119
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 22; 5805.4; 25-DEC-2010 19:12:02; Dark ; 44.5; 123; Iot Cen ; 2.75; 10200;occ; 89; 0;46119
 23; 6046.0; 25-DEC-2010 19:16:02; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;46120
 24; 6143.8; 25-DEC-2010 19:17:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46120
 25; 6403.6; 25-DEC-2010 19:22:00; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;46120
 26; 6587.9; 25-DEC-2010 19:25:04; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;46120
 27; 6691.0; 25-DEC-2010 19:26:47; Dark ; 51.5; 41; Eps Car ; 1.86; 4100;occ; 103; 0;46120
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 5; 34.1; 26-DEC-2010 00:16:47; Dark ; 42.5; 64; Gam Cen ; 2.20; 10600;occ; 85; 0;46123
 6; 132.4; 26-DEC-2010 00:18:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46123
 7; 392.1; 26-DEC-2010 00:22:45; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;46123
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 9; 678.3; 26-DEC-2010 00:27:31; Dark ; 51.0; 41; Eps Car ; 1.86; 4100;occ; 102; 0;46123
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 14; 1402.0; 26-DEC-2010 00:39:34; Dark ; 48.0; 179; 240mi2CMa ; 3.03; 24000;occ; 96; 0;46123
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 17; 1866.3; 26-DEC-2010 00:47:19; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;46123
 18; 2027.8; 26-DEC-2010 00:50:00; Dark ; 59.0; 14; 58Alp Ori ; 0.87; 3000;occ; 118; 0;46123
 19; 2268.9; 26-DEC-2010 00:54:01; Bright; 39.5; 176; 23Zet Tau ; 3.02; 22000;occ; 79; 0;46123
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22; 2688.3; 26-DEC-2010 01:01:01; Bright; 45.0; 6; 13Alp Aur ; 0.08; 3400;occ; 90; 0;46123
23; 3679.3; 26-DEC-2010 01:17:32; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;46123
24; 3921.9; 26-DEC-2010 01:21:34; Bright; 53.0; 32; 77Eps UMa ; 1.76; 11000;occ; 106; 0;46123
25; 4102.0; 26-DEC-2010 01:24:34; Bright; 58.0; 39; 85Eta UMa ; 1.85; 24000;occ; 116; 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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9; 861.3; 26-DEC-2010 02:10:48; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;46124
10; 992.3; 26-DEC-2010 02:12:59; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;46124
11; 1129.4; 26-DEC-2010 02:15:16; Dark ; 50.0; 117; Pi Pup ; 2.71; 3800;occ; 100; 0;46124
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13; 1402.1; 26-DEC-2010 02:19:49; Dark ; 48.5; 179; 24Omi2CMa ; 3.03; 24000;occ; 97; 0;46124
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23; 1866.6; 26-DEC-2010 04:07:47; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;46125
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9;	3617.8;	27-DEC-2010	09:00:57;	Bright;	48.0;	36;	50Alp UMa	;	1.80;	6300;occ;	96;	0;	46142	
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11;	4099.2;	27-DEC-2010	09:08:58;	Bright;	57.0;	39;	85Eta UMa	;	1.85;	24000;occ;	114;	0;	46142	
12;	4328.4;	27-DEC-2010	09:12:47;	Bright;	41.0;	180;	27Gam Boo	;	3.04;	8000;occ;	82;	0;	46142	
13;	4538.7;	27-DEC-2010	09:16:18;	Bright;	39.0;	83;		;	2.38;	11000;occ;	78;	0;	46142	
14;	4768.1;	27-DEC-2010	09:20:07;	Bright;	50.5;	111;	8Eta Boo	;	2.68;	6000;occ;	101;	0;	46142	
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19;	6063.4;	27-DEC-2010	09:41:42;	Dark	;	45.5;	64;	Gam Cen	;	2.20;	10600;occ;	91;	0;	46143
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22;	6600.8;	27-DEC-2010	09:50:40;	Dark	;	42.5;	71;	Iot Car	;	2.25;	7700;occ;	85;	0;	46143
23;	6702.0;	27-DEC-2010	09:52:21;	Dark	;	47.0;	41;	Eps Car	;	1.86;	4100;occ;	94;	0;	46143
24;	6886.4;	27-DEC-2010	09:55:25;	Dark	;	44.0;	34;	Gam2Vel	;	1.79;	23000;occ;	88;	0;	46143
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28;	7421.2;	27-DEC-2010	10:04:20;	Dark	;	47.5;	179;	240mi2CMa	;	3.03;	24000;occ;	95;	0;	46143
29;	7576.3;	27-DEC-2010	10:06:55;	Dark	;	58.5;	1;	9Alp CMa	;	-1.44;	11000;occ;	117;	0;	46143
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8;	3617.1;	27-DEC-2010	10:41:10;	Bright;	49.0;	36;	50Alp UMa	;	1.80;	6300;occ;	98;	0;	46143	
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23;	6886.8;	27-DEC-2010	11:35:40;	Dark	;	45.5;	34;	Gam2Vel	;	1.79;	23000;occ;	91;	0;	46144
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 14; 4087.9; 31-DEC-2010 18:23:30; Bright; 46.5; 39; 85Eta UMa ; 1.85; 24000;occ; 93; 0;46205
 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
 19; 5327.2; 31-DEC-2010 18:44:10; Dark ; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;46205
 20; 5739.0; 31-DEC-2010 18:51:01; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;46205
 21; 5904.5; 31-DEC-2010 18:53:47; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;46205
 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
 24; 6481.2; 31-DEC-2010 19:03:24; Dark ; 52.0; 113; Mu Vel ; 2.69; 5000;occ; 104; 0;46206
 25; 6636.0; 31-DEC-2010 19:05:58; Dark ; 46.5; 71; Iot Car ; 2.25; 7700;occ; 93; 0;46206
 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
 28; 7051.4; 31-DEC-2010 19:12:54; Dark ; 22.5; 70; Zet Pup ; 2.25; 39000;occ; 45; 0;46206

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1;	1037.3;	31-DEC-2010	19:12:54;	Dark	;	49.0;	70;	Zet Pup	;	2.25;	39000;occ;	98;	0;	46206
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
5;	1569.9;	31-DEC-2010	19:21:46;	Dark	;	48.0;	1;	9Alp CMa	;	-1.44;	11000;occ;	96;	0;	46206
6;	1719.2;	31-DEC-2010	19:24:16;	Dark	;	42.0;	56;	53Kap Ori	;	2.07;	30000;occ;	84;	0;	46206
7;	1869.3;	31-DEC-2010	19:26:46;	Dark	;	44.5;	30;	46Eps Ori	;	1.69;	30000;occ;	89;	0;	46206
8;	2020.2;	31-DEC-2010	19:29:17;	Dark	;	55.0;	14;	58Alp Ori	;	0.87;	3000;occ;	110;	0;	46206
9;	2215.8;	31-DEC-2010	19:32:32;	Dark	;	57.0;	44;	24Gam Gem	;	1.93;	11000;occ;	114;	0;	46206
10;	2313.6;	31-DEC-2010	19:34:10;	Bright;	;	47.5;	151;	13Mu Gem	;	2.89;	3000;occ;	95;	0;	46206
11;	2552.7;	31-DEC-2010	19:38:09;	Bright;	;	39.0;	107;	37The Aur	;	2.65;	11000;occ;	78;	0;	46206
12;	2677.7;	31-DEC-2010	19:40:14;	Bright;	;	41.0;	6;	13Alp Aur	;	0.08;	3400;occ;	82;	0;	46206
13;	3672.2;	31-DEC-2010	19:56:49;	Bright;	;	35.0;	60;	7Bet UMi	;	2.08;	3950;occ;	70;	0;	46206
14;	3891.1;	31-DEC-2010	20:00:28;	Bright;	;	49.5;	32;	77Eps UMa	;	1.76;	11000;occ;	99;	0;	46206
15;	4087.7;	31-DEC-2010	20:03:44;	Bright;	;	66.0;	39;	85Eta UMa	;	1.85;	24000;occ;	132;	0;	46206
16;	4330.9;	31-DEC-2010	20:07:47;	Bright;	;	62.0;	180;	27Gam Boo	;	3.04;	8000;occ;	124;	0;	46206
17;	4551.4;	31-DEC-2010	20:11:28;	Bright;	;	62.0;	83;		;	2.38;	11000;occ;	124;	0;	46206
18;	4746.2;	31-DEC-2010	20:14:43;	Bright;	;	53.5;	3;	16Alp Boo	;	-0.05;	4250;occ;	107;	0;	46206
19;	5169.6;	31-DEC-2010	20:21:46;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;occ;	112;	0;	46206
20;	5327.7;	31-DEC-2010	20:24:24;	Dark	;	45.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	91;	0;	46206
21;	5739.5;	31-DEC-2010	20:31:16;	Dark	;	48.5;	54;	5The Cen	;	2.06;	4500;occ;	97;	0;	46206
22;	5904.9;	31-DEC-2010	20:34:01;	Dark	;	42.0;	95;	Zet Cen	;	2.55;	26000;occ;	84;	0;	46206
23;	6113.8;	31-DEC-2010	20:37:30;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;occ;	89;	0;	46207
24;	6222.7;	31-DEC-2010	20:39:19;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	46207
25;	6482.0;	31-DEC-2010	20:43:38;	Dark	;	46.5;	113;	Mu Vel	;	2.69;	5000;occ;	93;	0;	46207
26;	6636.4;	31-DEC-2010	20:46:13;	Dark	;	45.0;	71;	Iot Car	;	2.25;	7700;occ;	90;	0;	46207
27;	6750.2;	31-DEC-2010	20:48:07;	Dark	;	42.5;	46;	Del Vel	;	1.95;	10600;occ;	85;	0;	46207
28;	6921.0;	31-DEC-2010	20:50:57;	Dark	;	48.0;	34;	Gam2Vel	;	1.79;	23000;occ;	96;	0;	46207
29;	7051.8;	31-DEC-2010	20:53:08;	Dark	;	23.5;	70;	Zet Pup	;	2.25;	39000;occ;	47;	0;	46207