

GOMOS Daily Report 19-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	21DEC2010 04:37:59
Data source version	GOMOS/5.01
Start time of products	19DEC2010 00:01:36
Stop time of products	19DEC2010 23:57:16
Store outputs in DB	Yes
Nb of level 1b prods	185
Nb of prods with errors	0

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

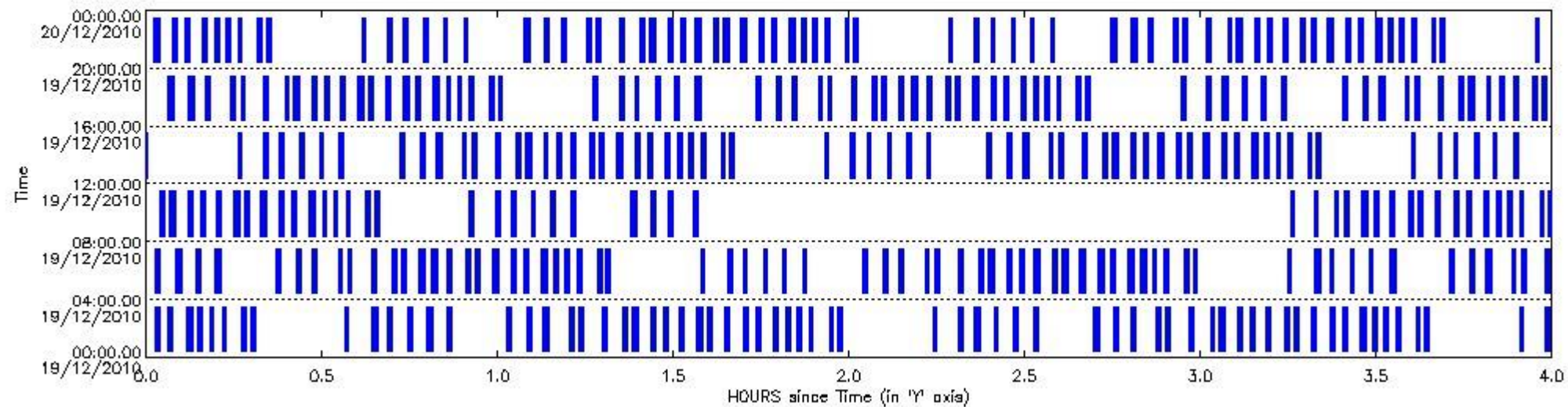
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

No missing products.

2.4 Summary of processed GOM_TRA_1P products

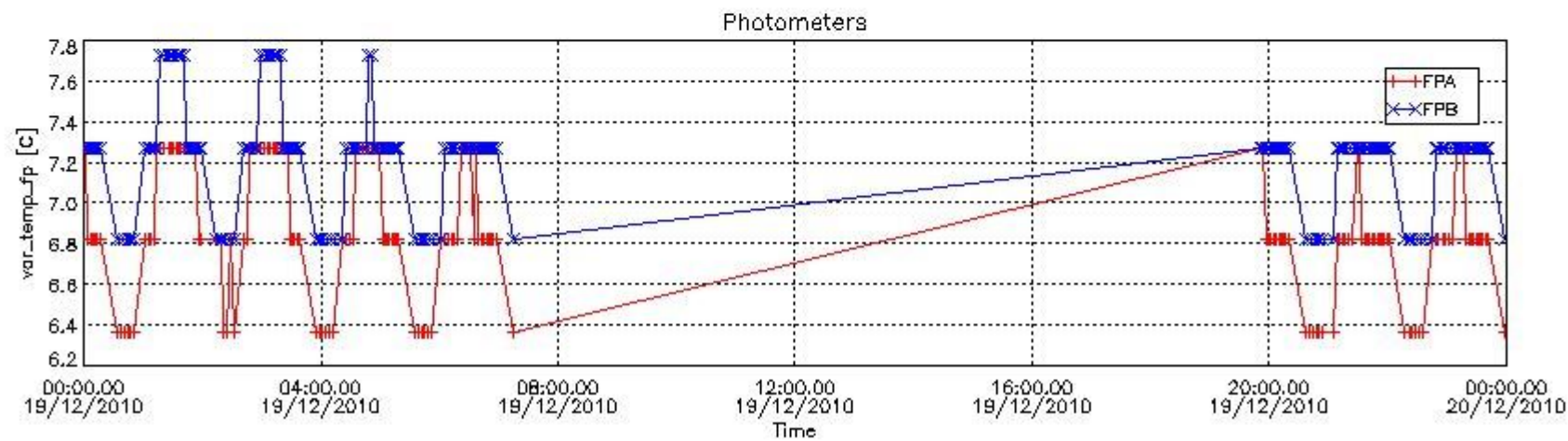
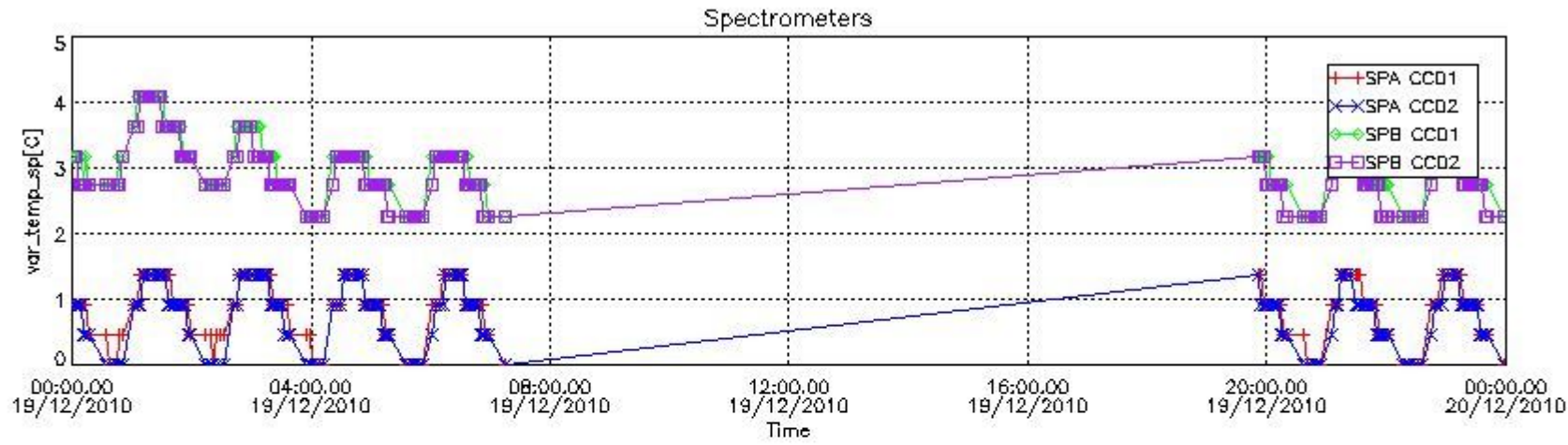
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20101219_000136_000000503097_00318_46022_7629.N1	19-DEC-2010 00:01:36	Straylight	49.500	7	19Bet Ori	0.10000	14000.	99	46022	No
2	GOM_TRA_1PNPDE20101219_000345_000000493097_00318_46022_7630.N1	19-DEC-2010 00:03:45	Straylight	48.500	30	46Eps Ori	1.6940	30000.	97	46022	No
3	GOM_TRA_1PNPDE20101219_000644_000000643097_00318_46022_7631.N1	19-DEC-2010 00:06:44	Twilight_and_stray	64.000	14	58Alp Ori	0.87000	3000.0	128	46022	No
4	GOM_TRA_1PNPDE20101219_000851_000000483097_00318_46022_7632.N1	19-DEC-2010 00:08:51	Twilight_and_stray	48.000	13	87Alp Tau	0.86700	3800.0	96	46022	No
5	GOM_TRA_1PNPDE20101219_001051_000000413097_00318_46022_7633.N1	19-DEC-2010 00:10:51	Bright	41.000	176	23Zet Tau	3.0200	22000.	82	46022	No
6	GOM_TRA_1PNPDE20101219_001254_000000413097_00318_46022_7634.N1	19-DEC-2010 00:12:54	Bright	41.000	28	12Bet Tau	1.6500	15200.	82	46022	No
7	GOM_TRA_1PNPDE20101219_001620_000000433097_00318_46022_7635.N1	19-DEC-2010 00:16:20	Bright	42.500	107	37The Aur	2.6490	11000.	85	46022	No
8	GOM_TRA_1PNPDE20101219_001748_000000453097_00318_46022_7636.N1	19-DEC-2010 00:17:48	Bright	45.000	6	13Alp Aur	0.080000	3400.0	90	46022	No
9	GOM_TRA_1PNPDE20101219_003400_000000343097_00318_46022_7637.N1	19-DEC-2010 00:34:00	Bright	33.500	60	7Bet UMi	2.0810	3950.0	67	46022	No
10	GOM_TRA_1PNPDE20101219_003827_000000603097_00318_46022_7638.N1	19-DEC-2010 00:38:27	Bright	59.500	32	77Eps UMa	1.7630	11000.	119	46022	No
11	GOM_TRA_1PNPDE20101219_004109_000000413097_00318_46022_7639.N1	19-DEC-2010 00:41:09	Bright	41.000	39	85Eta UMa	1.8540	24000.	82	46022	No
12	GOM_TRA_1PNPDE20101219_004436_000000563097_00318_46022_7640.N1	19-DEC-2010 00:44:36	Bright	56.000	180	27Gam Boo	3.0400	8000.0	112	46022	No

13	GOM_TRA_1PNPDE20101219_004752_000000553097_00318_46022_7641.N1	19-DEC-2010 00:47:52	Bright	55.000	83		2.3780	11000.	110	46022	No
14	GOM_TRA_1PNPDE20101219_005117_000000453097_00318_46022_7642.N1	19-DEC-2010 00:51:17	Bright	45.000	111	8Eta Boo	2.6800	6000.0	90	46022	No
15	GOM_TRA_1PNPDE20101219_010130_000000533097_00318_46022_7663.N1	19-DEC-2010 01:01:30	Twilight	53.000	15	67Alp Vir	0.97600	28000.	106	46022	No
16	GOM_TRA_1PNPDE20101219_010501_000000503097_00318_46022_7664.N1	19-DEC-2010 01:05:01	Dark	50.000	169	46Gam Hya	2.9910	4700.0	100	46022	No
17	GOM_TRA_1PNPDE20101219_010744_000000593097_00318_46022_7665.N1	19-DEC-2010 01:07:44	Dark	59.000	106	9Bet Crv	2.6480	5600.0	118	46022	No
18	GOM_TRA_1PNPDE20101219_011213_000000423097_00318_46022_7666.N1	19-DEC-2010 01:12:13	Dark	41.500	64	Gam Cen	2.2000	10600.	83	46022	No
19	GOM_TRA_1PNPDE20101219_011354_000000423097_00319_46023_7667.N1	19-DEC-2010 01:13:54	Dark	41.500	99	Del Cen	2.5750	26000.	83	46023	No
20	GOM_TRA_1PNPDE20101219_011751_000000473097_00319_46023_7668.N1	19-DEC-2010 01:17:51	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	46023	No
21	GOM_TRA_1PNPDE20101219_012126_000000433097_00319_46023_7669.N1	19-DEC-2010 01:21:26	Dark	42.500	71	lot Car	2.2460	7700.0	85	46023	No
22	GOM_TRA_1PNPDE20101219_012608_000000463097_00319_46023_7670.N1	19-DEC-2010 01:26:08	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	46023	No
23	GOM_TRA_1PNPDE20101219_012816_000000533097_00319_46023_7671.N1	19-DEC-2010 01:28:16	Dark	52.500	70	Zet Pup	2.2460	39000.	105	46023	No
24	GOM_TRA_1PNPDE20101219_013051_000000533097_00319_46023_7672.N1	19-DEC-2010 01:30:51	Dark	53.000	117	Pi Pup	2.7060	3800.0	106	46023	No
25	GOM_TRA_1PNPDE20101219_013400_000000553097_00319_46023_7673.N1	19-DEC-2010 01:34:00	Straylight	55.000	23	21Eps CMa	1.5020	26000.	110	46023	No
26	GOM_TRA_1PNPDE20101219_013543_000000503097_00319_46023_7674.N1	19-DEC-2010 01:35:43	Straylight	50.000	179	24Omi2CMa	3.0320	24000.	100	46023	No
27	GOM_TRA_1PNPDE20101219_013837_000000603097_00319_46023_7675.N1	19-DEC-2010 01:38:37	Straylight	60.000	1	9Alp CMa	-1.4400	11000.	120	46023	No
28	GOM_TRA_1PNPDE20101219_014150_000000493097_00319_46023_7676.N1	19-DEC-2010 01:41:50	Straylight	49.000	7	19Bet Ori	0.10000	14000.	98	46023	No
29	GOM_TRA_1PNPDE20101219_014359_000000513097_00319_46023_7677.N1	19-DEC-2010 01:43:59	Straylight	50.500	30	46Eps Ori	1.6940	30000.	101	46023	No
30	GOM_TRA_1PNPDE20101219_014657_000000573097_00319_46023_7678.N1	19-DEC-2010 01:46:57	Twilight	56.500	14	58Alp Ori	0.87000	3000.0	113	46023	No
31	GOM_TRA_1PNPDE20101219_014905_000000533097_00319_46023_7679.N1	19-DEC-2010 01:49:05	Twilight	52.500	13	87Alp Tau	0.86700	3800.0	105	46023	No
32	GOM_TRA_1PNPDE20101219_015104_000000443097_00319_46023_7680.N1	19-DEC-2010 01:51:04	Bright	44.000	176	23Zet Tau	3.0200	22000.	88	46023	No
33	GOM_TRA_1PNPDE20101219_015308_000000433097_00319_46023_7681.N1	19-DEC-2010 01:53:08	Bright	43.000	28	12Bet Tau	1.6500	15200.	86	46023	No
34	GOM_TRA_1PNPDE20101219_015633_000000433097_00319_46023_7682.N1	19-DEC-2010 01:56:33	Bright	42.500	107	37The Aur	2.6490	11000.	85	46023	No
35	GOM_TRA_1PNPDE20101219_015801_000000453097_00319_46023_7683.N1	19-DEC-2010 01:58:01	Bright	45.000	6	13Alp Aur	0.080000	3400.0	90	46023	No
36	GOM_TRA_1PNPDE20101219_021414_000000393097_00319_46023_7684.N1	19-DEC-2010 02:14:14	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	46023	No
37	GOM_TRA_1PNPDE20101219_021841_000000453097_00319_46023_7685.N1	19-DEC-2010 02:18:41	Bright	45.000	32	77Eps UMa	1.7630	11000.	90	46023	No
38	GOM_TRA_1PNPDE20101219_022123_000000593097_00319_46023_7686.N1	19-DEC-2010 02:21:23	Bright	59.000	39	85Eta UMa	1.8540	24000.	118	46023	No
39	GOM_TRA_1PNPDE20101219_022450_000000373097_00319_46023_7687.N1	19-DEC-2010 02:24:50	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	46023	No
40	GOM_TRA_1PNPDE20101219_022807_000000453097_00319_46023_7688.N1	19-DEC-2010 02:28:07	Bright	44.500	83		2.3780	11000.	89	46023	No
41	GOM_TRA_1PNPDE20101219_023132_000000423097_00319_46023_7689.N1	19-DEC-2010 02:31:32	Bright	42.000	111	8Eta Boo	2.6800	6000.0	84	46023	No
42	GOM_TRA_1PNPDE20101219_024145_000000553097_00319_46023_7690.N1	19-DEC-2010 02:41:45	Twilight	54.500	15	67Alp Vir	0.97600	28000.	109	46023	No
43	GOM_TRA_1PNPDE20101219_024515_000000473097_00319_46023_7691.N1	19-DEC-2010 02:45:15	Dark	47.000	169	46Gam Hya	2.9910	4700.0	94	46023	No
44	GOM_TRA_1PNPDE20101219_024759_000000643097_00319_46023_7692.N1	19-DEC-2010 02:47:59	Dark	63.500	106	9Bet Crv	2.6480	5600.0	127	46023	No
45	GOM_TRA_1PNPDE20101219_025228_000000423097_00319_46023_7693.N1	19-DEC-2010 02:52:28	Dark	41.500	64	Gam Cen	2.2000	10600.	83	46023	No
46	GOM_TRA_1PNPDE20101219_025408_000000433097_00320_46024_7694.N1	19-DEC-2010 02:54:08	Dark	43.000	99	Del Cen	2.5750	26000.	86	46024	No
47	GOM_TRA_1PNPDE20101219_025806_000000473097_00320_46024_7695.N1	19-DEC-2010 02:58:06	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	46024	No
48	GOM_TRA_1PNPDE20101219_030141_000000453097_00320_46024_7696.N1	19-DEC-2010 03:01:41	Dark	44.500	71	lot Car	2.2460	7700.0	89	46024	No
49	GOM_TRA_1PNPDE20101219_030623_000000503097_00320_46024_7697.N1	19-DEC-2010 03:06:23	Dark	49.500	34	Gam2Vel	1.7930	23000.	99	46024	No
50	GOM_TRA_1PNPDE20101219_030831_000000523097_00320_46024_7698.N1	19-DEC-2010 03:08:31	Dark	52.000	70	Zet Pup	2.2460	39000.	104	46024	No
51	GOM_TRA_1PNPDE20101219_031106_000000583097_00320_46024_7699.N1	19-DEC-2010 03:11:06	Dark	58.000	117	Pi Pup	2.7060	3800.0	116	46024	No
52	GOM_TRA_1PNPDE20101219_031414_000000503097_00320_46024_7700.N1	19-DEC-2010 03:14:14	Straylight	49.500	23	21Eps CMa	1.5020	26000.	99	46024	No
53	GOM_TRA_1PNPDE20101219_031558_000000533097_00320_46024_7701.N1	19-DEC-2010 03:15:58	Straylight	53.000	179	24Omi2CMa	3.0320	24000.	106	46024	No
54	GOM_TRA_1PNPDE20101219_031851_000000583097_00320_46024_7702.N1	19-DEC-2010 03:18:51	Straylight	58.000	1	9Alp CMa	-1.4400	11000.	116	46024	No
55	GOM_TRA_1PNPDE20101219_032204_000000493097_00320_46024_7703.N1	19-DEC-2010 03:22:04	Straylight	49.000	7	19Bet Ori	0.10000	14000.	98	46024	No
56	GOM_TRA_1PNPDE20101219_032413_000000503097_00320_46024_7704.N1	19-DEC-2010 03:24:13	Straylight	50.000	30	46Eps Ori	1.6940	30000.	100	46024	No
57	GOM_TRA_1PNPDE20101219_032711_000000643097_00320_46024_7705.N1	19-DEC-2010 03:27:11	Twilight	64.000	14	58Alp Ori	0.87000	3000.0	128	46024	No
58	GOM_TRA_1PNPDE20101219_032919_000000493097_00320_46024_7706.N1	19-DEC-2010 03:29:19	Twilight	49.000	13	87Alp Tau	0.86700	3800.0	98	46024	No
59	GOM_TRA_1PNPDE20101219_033118_000000433097_00320_46024_7707.N1	19-DEC-2010 03:31:18	Bright	43.000	176	23Zet Tau	3.0200	22000.	86	46024	No
60	GOM_TRA_1PNPDE20101219_033322_000000433097_00320_46024_7708.N1	19-DEC-2010 03:33:22	Bright	43.000	28	12Bet Tau	1.6500	15200.	86	46024	No
61	GOM_TRA_1PNPDE20101219_033647_000000443097_00320_46024_7709.N1	19-DEC-2010 03:36:47	Bright	43.500	107	37The Aur	2.6490	11000.	87	46024	No
62	GOM_TRA_1PNPDE20101219_033815_000000463097_00320_46024_7710.N1	19-DEC-2010 03:38:15	Bright	45.500	6	13Alp Aur	0.080000	3400.0	91	46024	No
63	GOM_TRA_1PNPDE20101219_035428_000000383097_00320_46024_7685.N1	19-DEC-2010 03:54:28	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	46024	No
64	GOM_TRA_1PNPDE20101219_035855_000000453097_00320_46024_7686.N1	19-DEC-2010 03:58:55	Bright	44.500	32	77Eps UMa	1.7630	11000.	89	46024	No
65	GOM_TRA_1PNPDE20101219_040137_000000413097_00320_46024_7687.N1	19-DEC-2010 04:01:37	Bright	41.000	39	85Eta UMa	1.8540	24000.	82	46024	No
66	GOM_TRA_1PNPDE20101219_040504_000000523097_00320_46024_7688.N1	19-DEC-2010 04:05:04	Bright	51.500	180	27Gam Boo	3.0400	8000.0	103	46024	No
67	GOM_TRA_1PNPDE20101219_040821_000000553097_00320_46024_7689.N1	19-DEC-2010 04:08:21	Bright	55.000	83		2.3780	11000.	110	46024	No
68	GOM_TRA_1PNPDE20101219_041146_000000523097_00320_46024_7690.N1	19-DEC-2010 04:11:46	Bright	51.500	111	8Eta Boo	2.6800	6000.0	103	46024	No
69	GOM_TRA_1PNPDE20101219_042200_000000553097_00320_46024_7691.N1	19-DEC-2010 04:22:00	Twilight	54.500	15	67Alp Vir	0.97600	28000.	109	46024	No
70	GOM_TRA_1PNPDE20101219_042530_000000513097_00320_46024_7692.N1	19-DEC-2010 04:25:30	Dark	50.500	169	46Gam Hya	2.9910	4700.0	101	46024	No
71	GOM_TRA_1PNPDE20101219_042814_000000533097_00320_46024_7693.N1	19-DEC-2010 04:28:14	Dark	52.500	106	9Bet Crv	2.6480	5600.0	105	46024	No

72	GOM_TRA_1PNPDE20101219_043243_000000463097_00320_46024_7694.N1	19-DEC-2010 04:32:43	Dark	46.000	64	Gam Cen	2.2000	10600.	92	46024	No
73	GOM_TRA_1PNPDE20101219_043423_000000423097_00321_46025_7695.N1	19-DEC-2010 04:34:23	Dark	41.500	99	Del Cen	2.5750	26000.	83	46025	No
74	GOM_TRA_1PNPDE20101219_043821_000000473097_00321_46025_7696.N1	19-DEC-2010 04:38:21	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46025	No
75	GOM_TRA_1PNPDE20101219_044156_000000433097_00321_46025_7697.N1	19-DEC-2010 04:41:56	Dark	42.500	71	Iot Car	2.2460	7700.0	85	46025	No
76	GOM_TRA_1PNPDE20101219_044637_000000523097_00321_46025_7698.N1	19-DEC-2010 04:46:37	Dark	52.000	34	Gam2Vel	1.7930	23000.	104	46025	No
77	GOM_TRA_1PNPDE20101219_044846_000000543097_00321_46025_7699.N1	19-DEC-2010 04:48:46	Dark	53.500	70	Zet Pup	2.2460	39000.	107	46025	No
78	GOM_TRA_1PNPDE20101219_045121_000000553097_00321_46025_7700.N1	19-DEC-2010 04:51:21	Dark	54.500	117	Pi Pup	2.7060	3800.0	109	46025	No
79	GOM_TRA_1PNPDE20101219_045429_000000553097_00321_46025_7701.N1	19-DEC-2010 04:54:29	Straylight	55.000	23	21Eps CMa	1.5020	26000.	110	46025	No
80	GOM_TRA_1PNPDE20101219_045612_000000523097_00321_46025_7702.N1	19-DEC-2010 04:56:12	Straylight	51.500	179	24Omi2CMa	3.0320	24000.	103	46025	No
81	GOM_TRA_1PNPDE20101219_045906_000000583097_00321_46025_7703.N1	19-DEC-2010 04:59:06	Straylight	58.000	1	9Alp CMa	-1.4400	11000.	116	46025	No
82	GOM_TRA_1PNPDE20101219_050218_000000523097_00321_46025_7704.N1	19-DEC-2010 05:02:18	Straylight	51.500	7	19Bet Ori	0.10000	14000.	103	46025	No
83	GOM_TRA_1PNPDE20101219_050427_000000493097_00321_46025_7705.N1	19-DEC-2010 05:04:27	Straylight	49.000	30	46Eps Ori	1.6940	30000.	98	46025	No
84	GOM_TRA_1PNPDE20101219_050725_000000643097_00321_46025_7706.N1	19-DEC-2010 05:07:25	Tw_i_and_stray	64.000	14	58Alp Ori	0.87000	3000.0	128	46025	No
85	GOM_TRA_1PNPDE20101219_050933_000000513097_00321_46025_7707.N1	19-DEC-2010 05:09:33	Tw_i_and_stray	51.000	13	87Alp Tau	0.86700	3800.0	102	46025	No
86	GOM_TRA_1PNPDE20101219_051132_000000423097_00321_46025_7708.N1	19-DEC-2010 05:11:32	Bright	42.000	176	23Zet Tau	3.0200	22000.	84	46025	No
87	GOM_TRA_1PNPDE20101219_051335_000000443097_00321_46025_7709.N1	19-DEC-2010 05:13:35	Bright	43.500	28	12Bet Tau	1.6500	15200.	87	46025	No
88	GOM_TRA_1PNPDE20101219_051700_000000443097_00321_46025_7710.N1	19-DEC-2010 05:17:00	Bright	44.000	107	37The Aur	2.6490	11000.	88	46025	No
89	GOM_TRA_1PNPDE20101219_051829_000000473097_00321_46025_7711.N1	19-DEC-2010 05:18:29	Bright	46.500	6	13Alp Aur	0.080000	3400.0	93	46025	No
90	GOM_TRA_1PNPDE20101219_053442_000000393097_00321_46025_7707.N1	19-DEC-2010 05:34:42	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	46025	No
91	GOM_TRA_1PNPDE20101219_053909_000000623097_00321_46025_7708.N1	19-DEC-2010 05:39:09	Bright	61.500	32	77Eps UMa	1.7630	11000.	123	46025	No
92	GOM_TRA_1PNPDE20101219_054151_000000413097_00321_46025_7709.N1	19-DEC-2010 05:41:51	Bright	41.000	39	85Eta UMa	1.8540	24000.	82	46025	No
93	GOM_TRA_1PNPDE20101219_054519_000000383097_00321_46025_7710.N1	19-DEC-2010 05:45:19	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	46025	No
94	GOM_TRA_1PNPDE20101219_054835_000000383097_00321_46025_7711.N1	19-DEC-2010 05:48:35	Bright	37.500	83		2.3780	11000.	75	46025	No
95	GOM_TRA_1PNPDE20101219_055200_000000433097_00321_46025_7712.N1	19-DEC-2010 05:52:00	Bright	43.000	111	8Eta Boo	2.6800	6000.0	86	46025	No
96	GOM_TRA_1PNPDE20101219_060215_000000553097_00321_46025_7713.N1	19-DEC-2010 06:02:15	Tw_i_and_stray	55.000	15	67Alp Vir	0.97600	28000.	110	46025	No
97	GOM_TRA_1PNPDE20101219_060545_000000503097_00321_46025_7714.N1	19-DEC-2010 06:05:45	Dark	49.500	169	46Gam Hya	2.9910	4700.0	99	46025	No
98	GOM_TRA_1PNPDE20101219_060830_000000543097_00321_46025_7715.N1	19-DEC-2010 06:08:30	Dark	54.000	106	9Bet Crv	2.6480	5600.0	108	46025	No
99	GOM_TRA_1PNPDE20101219_061258_000000423097_00321_46025_7716.N1	19-DEC-2010 06:12:58	Dark	42.000	64	Gam Cen	2.2000	10600.	84	46025	No
100	GOM_TRA_1PNPDE20101219_061438_000000423097_00322_46026_7717.N1	19-DEC-2010 06:14:38	Dark	41.500	99	Del Cen	2.5750	26000.	83	46026	No
101	GOM_TRA_1PNPDE20101219_061836_000000473097_00322_46026_7718.N1	19-DEC-2010 06:18:36	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46026	No
102	GOM_TRA_1PNPDE20101219_062210_000000433097_00322_46026_7719.N1	19-DEC-2010 06:22:10	Dark	42.500	71	Iot Car	2.2460	7700.0	85	46026	No
103	GOM_TRA_1PNPDE20101219_062652_000000483097_00322_46026_7720.N1	19-DEC-2010 06:26:52	Dark	48.000	34	Gam2Vel	1.7930	23000.	96	46026	No
104	GOM_TRA_1PNPDE20101219_062901_000000523097_00322_46026_7721.N1	19-DEC-2010 06:29:01	Dark	51.500	70	Zet Pup	2.2460	39000.	103	46026	No
105	GOM_TRA_1PNPDE20101219_063135_000000583097_00322_46026_7722.N1	19-DEC-2010 06:31:35	Dark	58.000	117	Pi Pup	2.7060	3800.0	116	46026	No
106	GOM_TRA_1PNPDE20101219_063443_000000533097_00322_46026_7723.N1	19-DEC-2010 06:34:43	Straylight	52.500	23	21Eps CMa	1.5020	26000.	105	46026	No
107	GOM_TRA_1PNPDE20101219_063627_000000533097_00322_46026_7724.N1	19-DEC-2010 06:36:27	Straylight	52.500	179	24Omi2CMa	3.0320	24000.	105	46026	No
108	GOM_TRA_1PNPDE20101219_063920_000000573097_00322_46026_7725.N1	19-DEC-2010 06:39:20	Straylight	57.000	1	9Alp CMa	-1.4400	11000.	114	46026	No
109	GOM_TRA_1PNPDE20101219_064232_000000543097_00322_46026_7726.N1	19-DEC-2010 06:42:32	Straylight	54.000	7	19Bet Ori	0.10000	14000.	108	46026	No
110	GOM_TRA_1PNPDE20101219_064441_000000503097_00322_46026_7727.N1	19-DEC-2010 06:44:41	Straylight	49.500	30	46Eps Ori	1.6940	30000.	99	46026	No
111	GOM_TRA_1PNPDE20101219_064739_000000593097_00322_46026_7728.N1	19-DEC-2010 06:47:39	Tw_i_and_stray	59.000	14	58Alp Ori	0.87000	3000.0	118	46026	No
112	GOM_TRA_1PNPDE20101219_064947_000000533097_00322_46026_7729.N1	19-DEC-2010 06:49:47	Tw_i_and_stray	53.000	13	87Alp Tau	0.86700	3800.0	106	46026	No
113	GOM_TRA_1PNPDE20101219_065145_000000433097_00322_46026_7730.N1	19-DEC-2010 06:51:45	Bright	42.500	176	23Zet Tau	3.0200	22000.	85	46026	No
114	GOM_TRA_1PNPDE20101219_065349_000000433097_00322_46026_7731.N1	19-DEC-2010 06:53:49	Bright	42.500	28	12Bet Tau	1.6500	15200.	85	46026	No
115	GOM_TRA_1PNPDE20101219_065714_000000433097_00322_46026_7732.N1	19-DEC-2010 06:57:14	Bright	42.500	107	37The Aur	2.6490	11000.	85	46026	No
116	GOM_TRA_1PNPDE20101219_065843_000000453097_00322_46026_7733.N1	19-DEC-2010 06:58:43	Bright	44.500	6	13Alp Aur	0.080000	3400.0	89	46026	No
117	GOM_TRA_1PNPDE20101219_071456_000000373097_00322_46026_7734.N1	19-DEC-2010 07:14:56	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	46026	No
118	GOM_TRA_1PNPDE20101219_195059_000000513097_00330_46034_7797.N1	19-DEC-2010 19:50:59	Dark	51.000	70	Zet Pup	2.2460	39000.	102	46034	No
119	GOM_TRA_1PNPDE20101219_195331_000000483097_00330_46034_7798.N1	19-DEC-2010 19:53:31	Dark	47.500	117	Pi Pup	2.7060	3800.0	95	46034	No
120	GOM_TRA_1PNPDE20101219_195638_000000523097_00330_46034_7799.N1	19-DEC-2010 19:56:38	Straylight	52.000	23	21Eps CMa	1.5020	26000.	104	46034	No
121	GOM_TRA_1PNPDE20101219_195821_000000523097_00330_46034_7800.N1	19-DEC-2010 19:58:21	Straylight	51.500	179	24Omi2CMa	3.0320	24000.	103	46034	No
122	GOM_TRA_1PNPDE20101219_200113_000000673097_00330_46034_7801.N1	19-DEC-2010 20:01:13	Straylight	67.000	1	9Alp CMa	-1.4400	11000.	134	46034	No
123	GOM_TRA_1PNPDE20101219_200425_000000523097_00330_46034_7802.N1	19-DEC-2010 20:04:25	Straylight	51.500	7	19Bet Ori	0.10000	14000.	103	46034	No
124	GOM_TRA_1PNPDE20101219_200633_000000473097_00330_46034_7803.N1	19-DEC-2010 20:06:33	Straylight	47.000	30	46Eps Ori	1.6940	30000.	94	46034	No
125	GOM_TRA_1PNPDE20101219_200929_000000583097_00330_46034_7804.N1	19-DEC-2010 20:09:29	Tw_i_and_stray	57.500	14	58Alp Ori	0.87000	3000.0	115	46034	No
126	GOM_TRA_1PNPDE20101219_201139_000000533097_00330_46034_7805.N1	19-DEC-2010 20:11:39	Tw_i_and_stray	53.000	13	87Alp Tau	0.86700	3800.0	106	46034	No
127	GOM_TRA_1PNPDE20101219_201335_000000423097_00330_46034_7806.N1	19-DEC-2010 20:13:35	Bright	42.000	176	23Zet Tau	3.0200	22000.	84	46034	No
128	GOM_TRA_1PNPDE20101219_201539_000000413097_00330_46034_7807.N1	19-DEC-2010 20:15:39	Bright	40.500	28	12Bet Tau	1.6500	15200.	81	46034	No
129	GOM_TRA_1PNPDE20101219_201902_000000423097_00330_46034_7808.N1	19-DEC-2010 20:19:02	Bright	42.000	107	37The Aur	2.6490	11000.	84	46034	No
130	GOM_TRA_1PNPDE20101219_202033_000000453097_00330_46034_7809.N1	19-DEC-2010 20:20:33	Bright	44.500	6	13Alp Aur	0.080000	3400.0	89	46034	No

131	GOM_TRA_1PNPDE20101219_203648_000000343097_00330_46034_7810.N1	19-DEC-2010 20:36:48	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	46034	No
132	GOM_TRA_1PNPDE20101219_204113_000000413097_00330_46034_7811.N1	19-DEC-2010 20:41:13	Bright	41.000	32	77Eps UMa	1.7630	11000.	82	46034	No
133	GOM_TRA_1PNPDE20101219_204357_000000383097_00330_46034_7812.N1	19-DEC-2010 20:43:57	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	46034	No
134	GOM_TRA_1PNPDE20101219_204726_000000383097_00330_46034_7813.N1	19-DEC-2010 20:47:26	Bright	37.500	180	27Gam Boo	3.0400	8000.0	75	46034	No
135	GOM_TRA_1PNPDE20101219_205043_000000383097_00330_46034_7814.N1	19-DEC-2010 20:50:43	Bright	38.000	83		2.3780	11000.	76	46034	No
136	GOM_TRA_1PNPDE20101219_205410_000000443097_00330_46034_7815.N1	19-DEC-2010 20:54:10	Bright	43.500	111	8Eta Boo	2.6800	6000.0	87	46034	No
137	GOM_TRA_1PNPDE20101219_210429_000000583097_00330_46034_7813.N1	19-DEC-2010 21:04:29	Twilight	57.500	15	67Alp Vir	0.97600	28000.	115	46034	No
138	GOM_TRA_1PNPDE20101219_210759_000000473097_00330_46034_7814.N1	19-DEC-2010 21:07:59	Dark	47.000	169	46Gam Hya	2.9910	4700.0	94	46034	No
139	GOM_TRA_1PNPDE20101219_211047_000000553097_00330_46034_7815.N1	19-DEC-2010 21:10:47	Dark	55.000	106	9Bet Crv	2.6480	5600.0	110	46034	No
140	GOM_TRA_1PNPDE20101219_211510_000000433097_00330_46034_7816.N1	19-DEC-2010 21:15:10	Dark	43.000	64	Gam Cen	2.2000	10600.	86	46034	No
141	GOM_TRA_1PNPDE20101219_211651_000000433097_00331_46035_7817.N1	19-DEC-2010 21:16:51	Dark	42.500	99	Del Cen	2.5750	26000.	85	46035	No
142	GOM_TRA_1PNPDE20101219_212051_000000473097_00331_46035_7818.N1	19-DEC-2010 21:20:51	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46035	No
143	GOM_TRA_1PNPDE20101219_212422_000000423097_00331_46035_7819.N1	19-DEC-2010 21:24:22	Dark	42.000	71	Iot Car	2.2460	7700.0	84	46035	No
144	GOM_TRA_1PNPDE20101219_212904_000000483097_00331_46035_7820.N1	19-DEC-2010 21:29:04	Dark	48.000	34	Gam2Vel	1.7930	23000.	96	46035	No
145	GOM_TRA_1PNPDE20101219_213113_000000503097_00331_46035_7821.N1	19-DEC-2010 21:31:13	Dark	49.500	70	Zet Pup	2.2460	39000.	99	46035	No
146	GOM_TRA_1PNPDE20101219_213346_000000533097_00331_46035_7822.N1	19-DEC-2010 21:33:46	Dark	52.500	117	Pi Pup	2.7060	3800.0	105	46035	No
147	GOM_TRA_1PNPDE20101219_213653_000000513097_00331_46035_7823.N1	19-DEC-2010 21:36:53	Straylight	50.500	23	21Eps CMa	1.5020	26000.	101	46035	No
148	GOM_TRA_1PNPDE20101219_213836_000000503097_00331_46035_7824.N1	19-DEC-2010 21:38:36	Straylight	50.000	179	24Omi2CMa	3.0320	24000.	100	46035	No
149	GOM_TRA_1PNPDE20101219_214127_000000643097_00331_46035_7825.N1	19-DEC-2010 21:41:27	Straylight	64.000	1	9Alp CMa	-1.4400	11000.	128	46035	No
150	GOM_TRA_1PNPDE20101219_214439_000000553097_00331_46035_7826.N1	19-DEC-2010 21:44:39	Straylight	54.500	7	19Bet Ori	0.10000	14000.	109	46035	No
151	GOM_TRA_1PNPDE20101219_214646_000000483097_00331_46035_7827.N1	19-DEC-2010 21:46:46	Straylight	47.500	30	46Eps Ori	1.6940	30000.	95	46035	No
152	GOM_TRA_1PNPDE20101219_214943_000000603097_00331_46035_7828.N1	19-DEC-2010 21:49:43	Twilight	60.000	14	58Alp Ori	0.87000	3000.0	120	46035	No
153	GOM_TRA_1PNPDE20101219_215153_000000493097_00331_46035_7829.N1	19-DEC-2010 21:51:53	Twilight	48.500	13	87Alp Tau	0.86700	3800.0	97	46035	No
154	GOM_TRA_1PNPDE20101219_215349_000000423097_00331_46035_7830.N1	19-DEC-2010 21:53:49	Bright	41.500	176	23Zet Tau	3.0200	22000.	83	46035	No
155	GOM_TRA_1PNPDE20101219_215552_000000433097_00331_46035_7831.N1	19-DEC-2010 21:55:52	Bright	42.500	28	12Bet Tau	1.6500	15200.	85	46035	No
156	GOM_TRA_1PNPDE20101219_215915_000000433097_00331_46035_7832.N1	19-DEC-2010 21:59:15	Bright	42.500	107	37The Aur	2.6490	11000.	85	46035	No
157	GOM_TRA_1PNPDE20101219_220046_000000423097_00331_46035_7833.N1	19-DEC-2010 22:00:46	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	46035	No
158	GOM_TRA_1PNPDE20101219_221702_000000383097_00331_46035_7834.N1	19-DEC-2010 22:17:02	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	46035	No
159	GOM_TRA_1PNPDE20101219_222126_000000453097_00331_46035_7835.N1	19-DEC-2010 22:21:26	Bright	45.000	32	77Eps UMa	1.7630	11000.	90	46035	No
160	GOM_TRA_1PNPDE20101219_222411_000000433097_00331_46035_7836.N1	19-DEC-2010 22:24:11	Bright	42.500	39	85Eta UMa	1.8540	24000.	85	46035	No
161	GOM_TRA_1PNPDE20101219_222740_000000383097_00331_46035_7837.N1	19-DEC-2010 22:27:40	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	46035	No
162	GOM_TRA_1PNPDE20101219_223057_000000403097_00331_46035_7838.N1	19-DEC-2010 22:30:57	Bright	39.500	83		2.3780	11000.	79	46035	No
163	GOM_TRA_1PNPDE20101219_223424_000000433097_00331_46035_7839.N1	19-DEC-2010 22:34:24	Bright	42.500	111	8Eta Boo	2.6800	6000.0	85	46035	No
164	GOM_TRA_1PNPDE20101219_224444_000000543097_00331_46035_7841.N1	19-DEC-2010 22:44:44	Twilight	54.000	15	67Alp Vir	0.97600	28000.	108	46035	No
165	GOM_TRA_1PNPDE20101219_224814_000000513097_00331_46035_7842.N1	19-DEC-2010 22:48:14	Dark	50.500	169	46Gam Hya	2.9910	4700.0	101	46035	No
166	GOM_TRA_1PNPDE20101219_225102_000000543097_00331_46035_7843.N1	19-DEC-2010 22:51:02	Dark	54.000	106	9Bet Crv	2.6480	5600.0	108	46035	No
167	GOM_TRA_1PNPDE20101219_225525_000000443097_00331_46035_7844.N1	19-DEC-2010 22:55:25	Dark	43.500	64	Gam Cen	2.2000	10600.	87	46035	No
168	GOM_TRA_1PNPDE20101219_225705_000000413097_00332_46036_7845.N1	19-DEC-2010 22:57:05	Dark	41.000	99	Del Cen	2.5750	26000.	82	46036	No
169	GOM_TRA_1PNPDE20101219_230105_000000463097_00332_46036_7846.N1	19-DEC-2010 23:01:05	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	46036	No
170	GOM_TRA_1PNPDE20101219_230436_000000413097_00332_46036_7847.N1	19-DEC-2010 23:04:36	Dark	41.000	71	Iot Car	2.2460	7700.0	82	46036	No
171	GOM_TRA_1PNPDE20101219_230919_000000503097_00332_46036_7848.N1	19-DEC-2010 23:09:19	Dark	50.000	34	Gam2Vel	1.7930	23000.	100	46036	No
172	GOM_TRA_1PNPDE20101219_231128_000000513097_00332_46036_7849.N1	19-DEC-2010 23:11:28	Dark	51.000	70	Zet Pup	2.2460	39000.	102	46036	No
173	GOM_TRA_1PNPDE20101219_231400_000000543097_00332_46036_7850.N1	19-DEC-2010 23:14:00	Dark	53.500	117	Pi Pup	2.7060	3800.0	107	46036	No
174	GOM_TRA_1PNPDE20101219_231707_000000513097_00332_46036_7851.N1	19-DEC-2010 23:17:07	Straylight	50.500	23	21Eps CMa	1.5020	26000.	101	46036	No
175	GOM_TRA_1PNPDE20101219_231850_000000503097_00332_46036_7852.N1	19-DEC-2010 23:18:50	Straylight	50.000	179	24Omi2CMa	3.0320	24000.	100	46036	No
176	GOM_TRA_1PNPDE20101219_232141_000000653097_00332_46036_7853.N1	19-DEC-2010 23:21:41	Straylight	64.500	1	9Alp CMa	-1.4400	11000.	129	46036	No
177	GOM_TRA_1PNPDE20101219_232453_000000493097_00332_46036_7854.N1	19-DEC-2010 23:24:53	Straylight	49.000	7	19Bet Ori	0.10000	14000.	98	46036	No
178	GOM_TRA_1PNPDE20101219_232700_000000473097_00332_46036_7855.N1	19-DEC-2010 23:27:00	Straylight	47.000	30	46Eps Ori	1.6940	30000.	94	46036	No
179	GOM_TRA_1PNPDE20101219_232956_000000593097_00332_46036_7856.N1	19-DEC-2010 23:29:56	Twilight	58.500	14	58Alp Ori	0.87000	3000.0	117	46036	No
180	GOM_TRA_1PNPDE20101219_233207_000000523097_00332_46036_7857.N1	19-DEC-2010 23:32:07	Twilight	51.500	13	87Alp Tau	0.86700	3800.0	103	46036	No
181	GOM_TRA_1PNPDE20101219_233402_000000413097_00332_46036_7858.N1	19-DEC-2010 23:34:02	Bright	40.500	176	23Zet Tau	3.0200	22000.	81	46036	No
182	GOM_TRA_1PNPDE20101219_233606_000000413097_00332_46036_7859.N1	19-DEC-2010 23:36:06	Bright	40.500	28	12Bet Tau	1.6500	15200.	81	46036	No
183	GOM_TRA_1PNPDE20101219_233929_000000423097_00332_46036_7860.N1	19-DEC-2010 23:39:29	Bright	42.000	107	37The Aur	2.6490	11000.	84	46036	No
184	GOM_TRA_1PNPDE20101219_234100_000000443097_00332_46036_7861.N1	19-DEC-2010 23:41:00	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	46036	No
185	GOM_TRA_1PNPDE20101219_235716_000000343097_00332_46036_7862.N1	19-DEC-2010 23:57:16	Bright	33.500	60	7Bet UMi	2.0810	3950.0	67	46036	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).

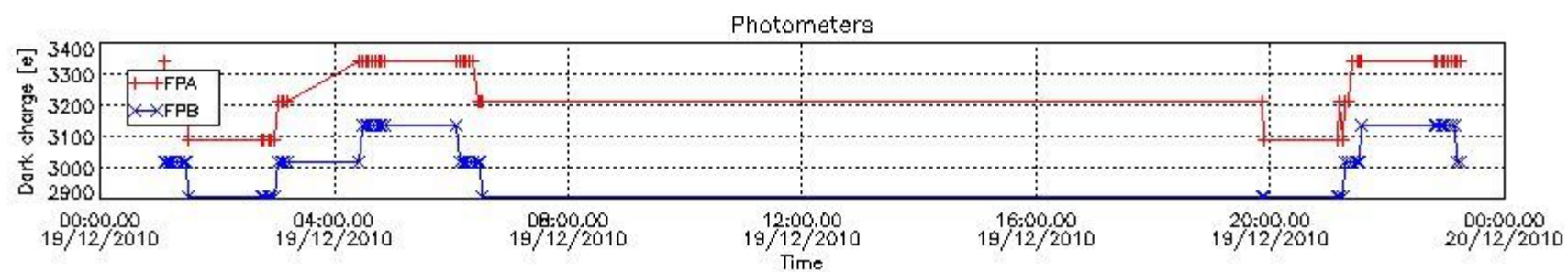
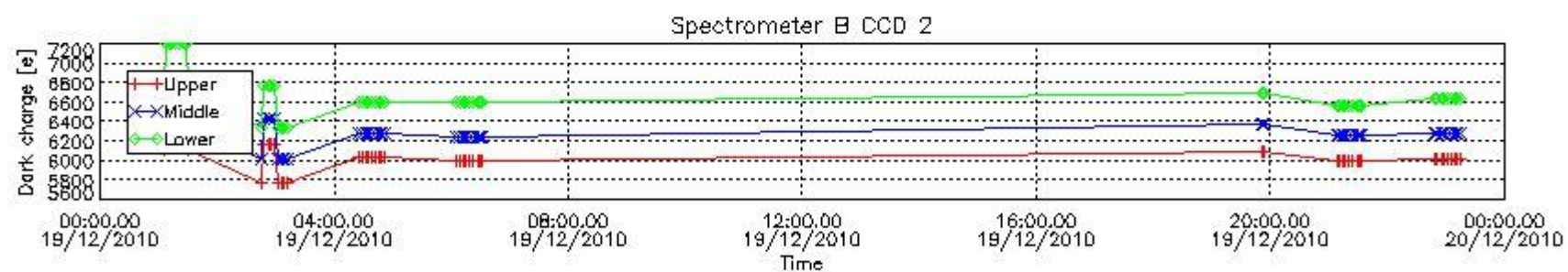
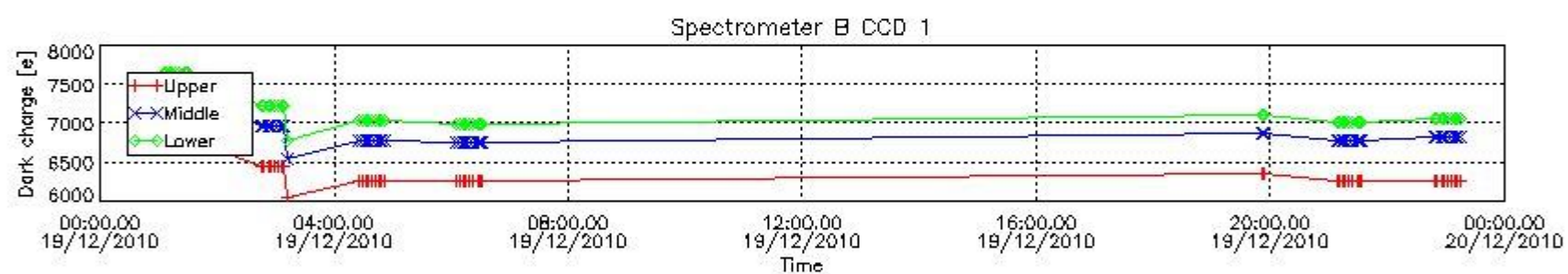
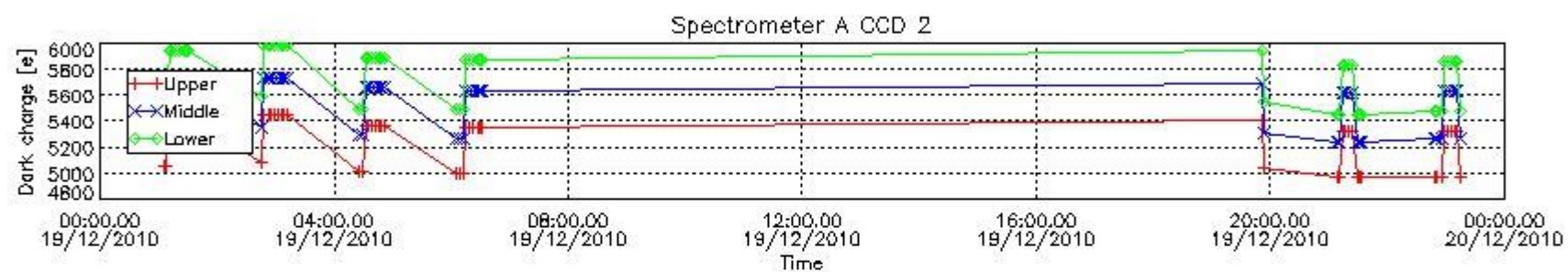
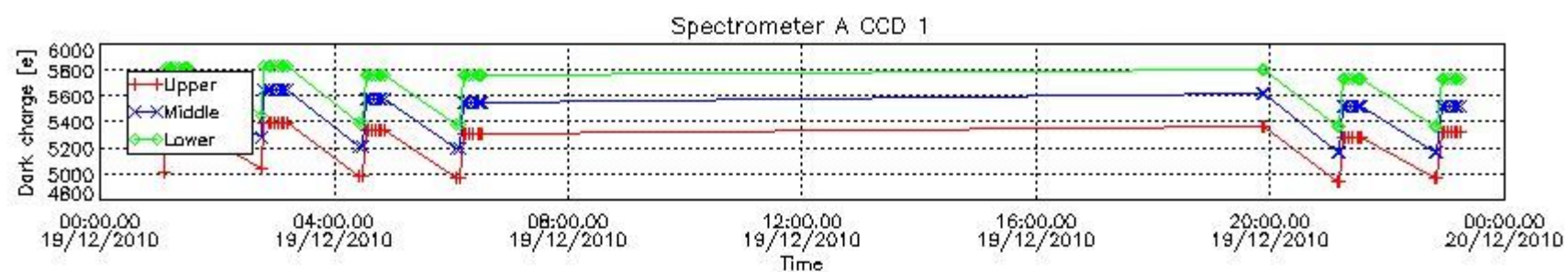
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20101219_195059_000000513097_00330_46034_7797.N1	DC map used
GOM_TRA_1PNPDE20101219_195331_000000483097_00330_46034_7798.N1	DC map used
GOM_TRA_1PNPDE20101219_195638_000000523097_00330_46034_7799.N1	DC map used
GOM_TRA_1PNPDE20101219_195821_000000523097_00330_46034_7800.N1	DC map used
GOM_TRA_1PNPDE20101219_200113_000000673097_00330_46034_7801.N1	DC map used
GOM_TRA_1PNPDE20101219_200425_000000523097_00330_46034_7802.N1	DC map used
GOM_TRA_1PNPDE20101219_200633_000000473097_00330_46034_7803.N1	DC map used
GOM_TRA_1PNPDE20101219_200929_000000583097_00330_46034_7804.N1	DC map used
GOM_TRA_1PNPDE20101219_201139_000000533097_00330_46034_7805.N1	DC map used
GOM_TRA_1PNPDE20101219_201335_000000423097_00330_46034_7806.N1	DC map used
GOM_TRA_1PNPDE20101219_201539_000000413097_00330_46034_7807.N1	DC map used
GOM_TRA_1PNPDE20101219_201902_000000423097_00330_46034_7808.N1	DC map used
GOM_TRA_1PNPDE20101219_202033_000000453097_00330_46034_7809.N1	DC map used
GOM_TRA_1PNPDE20101219_203648_000000343097_00330_46034_7810.N1	DC map used

GOM_TRA_1PNPDE20101219_204113_000000413097_00330_46034_7811.N1	DC map used
GOM_TRA_1PNPDE20101219_204357_000000383097_00330_46034_7812.N1	DC map used
GOM_TRA_1PNPDE20101219_204726_000000383097_00330_46034_7813.N1	DC map used
GOM_TRA_1PNPDE20101219_205043_000000383097_00330_46034_7814.N1	DC map used
GOM_TRA_1PNPDE20101219_205410_000000443097_00330_46034_7815.N1	DC map used

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



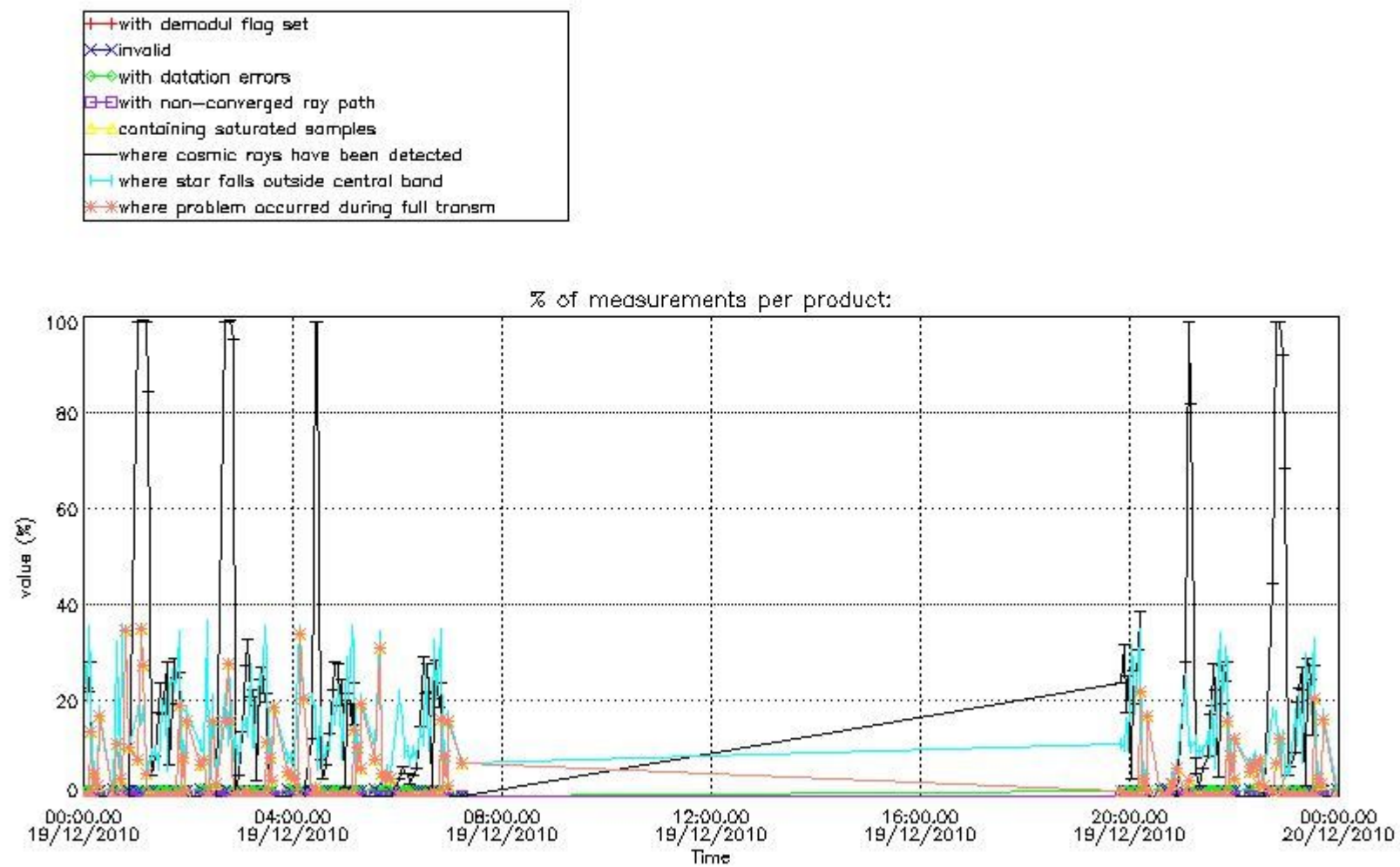
5. Demodulation flag and quality information monitoring

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.

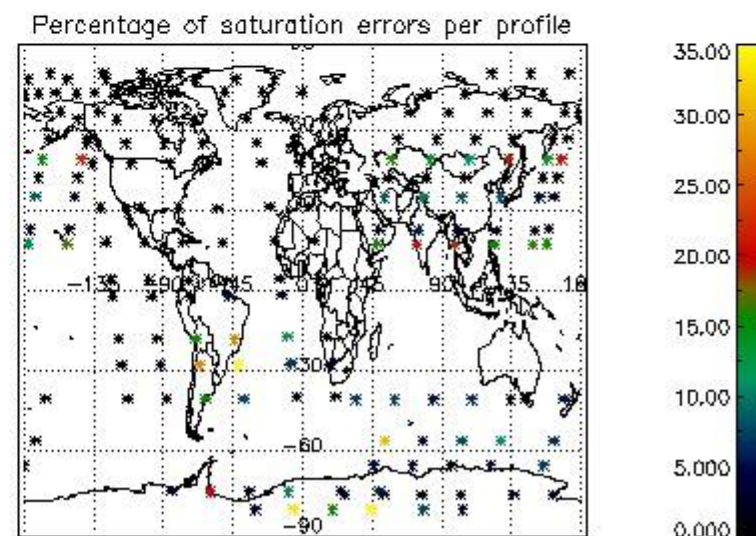
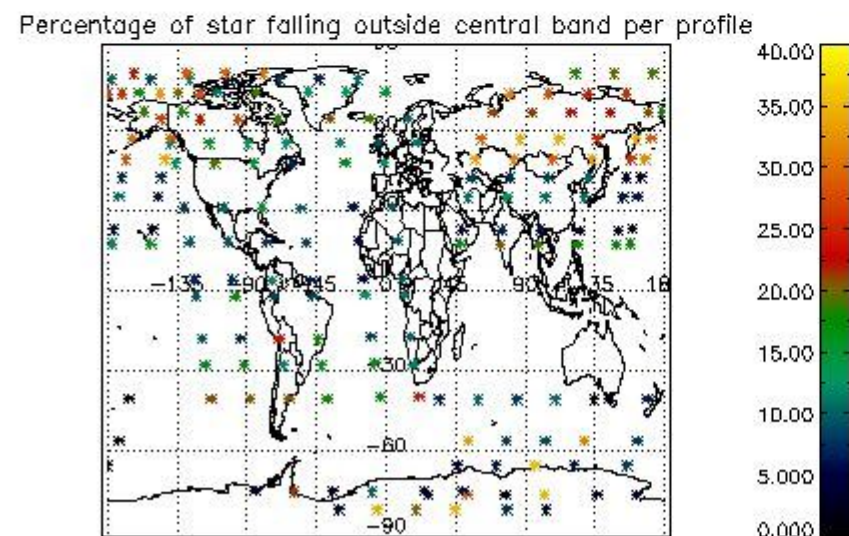
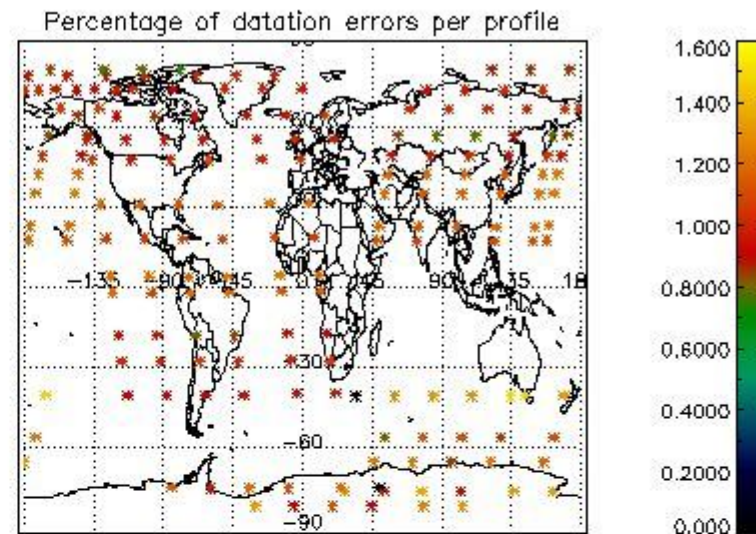
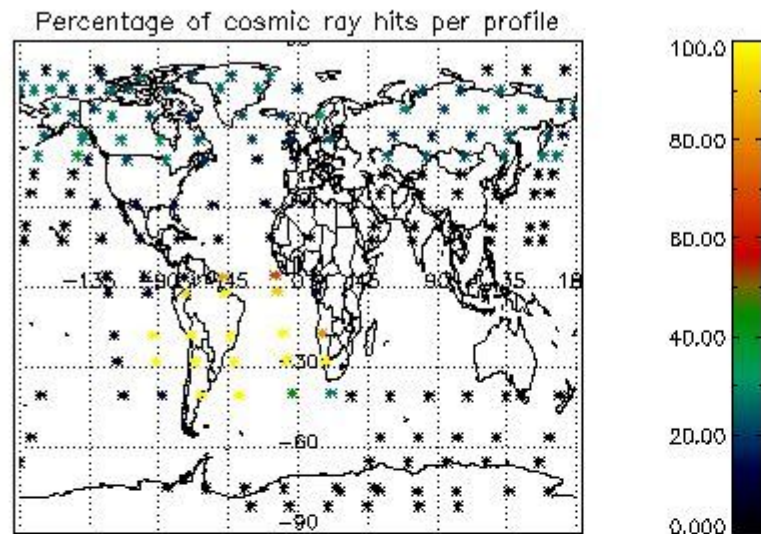
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	61.6216 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



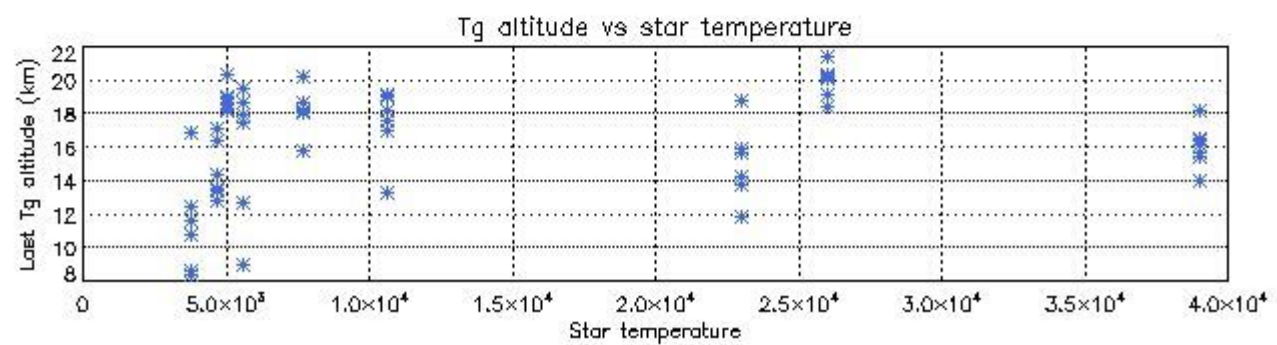
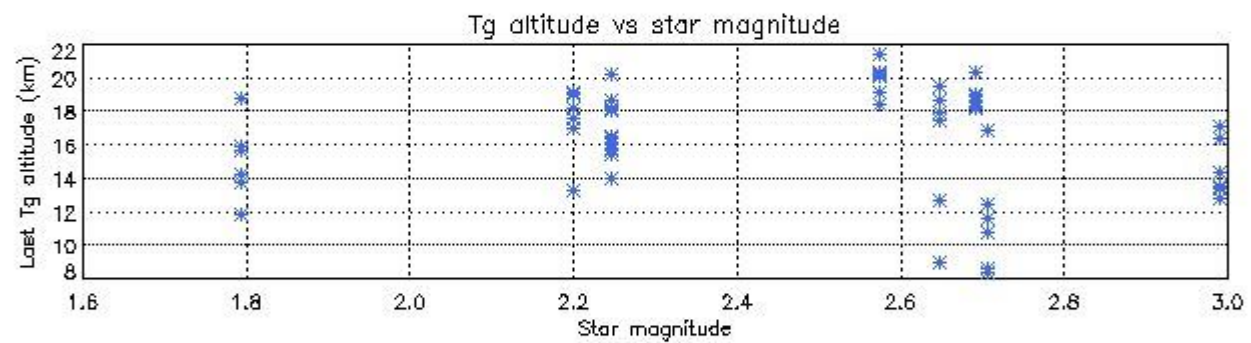
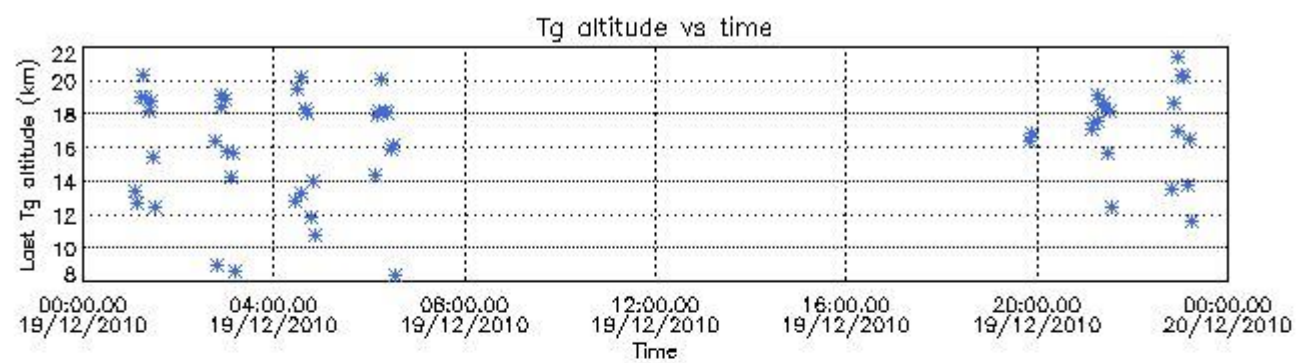
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.284	18.393	NaN
St. deviation:	3.1888	5.9137	NaN
Maximum:	21.355	28.831	NaN
Minimum:	8.3527	3.9350	NaN
Number of data:	56.000	70.000	NaN

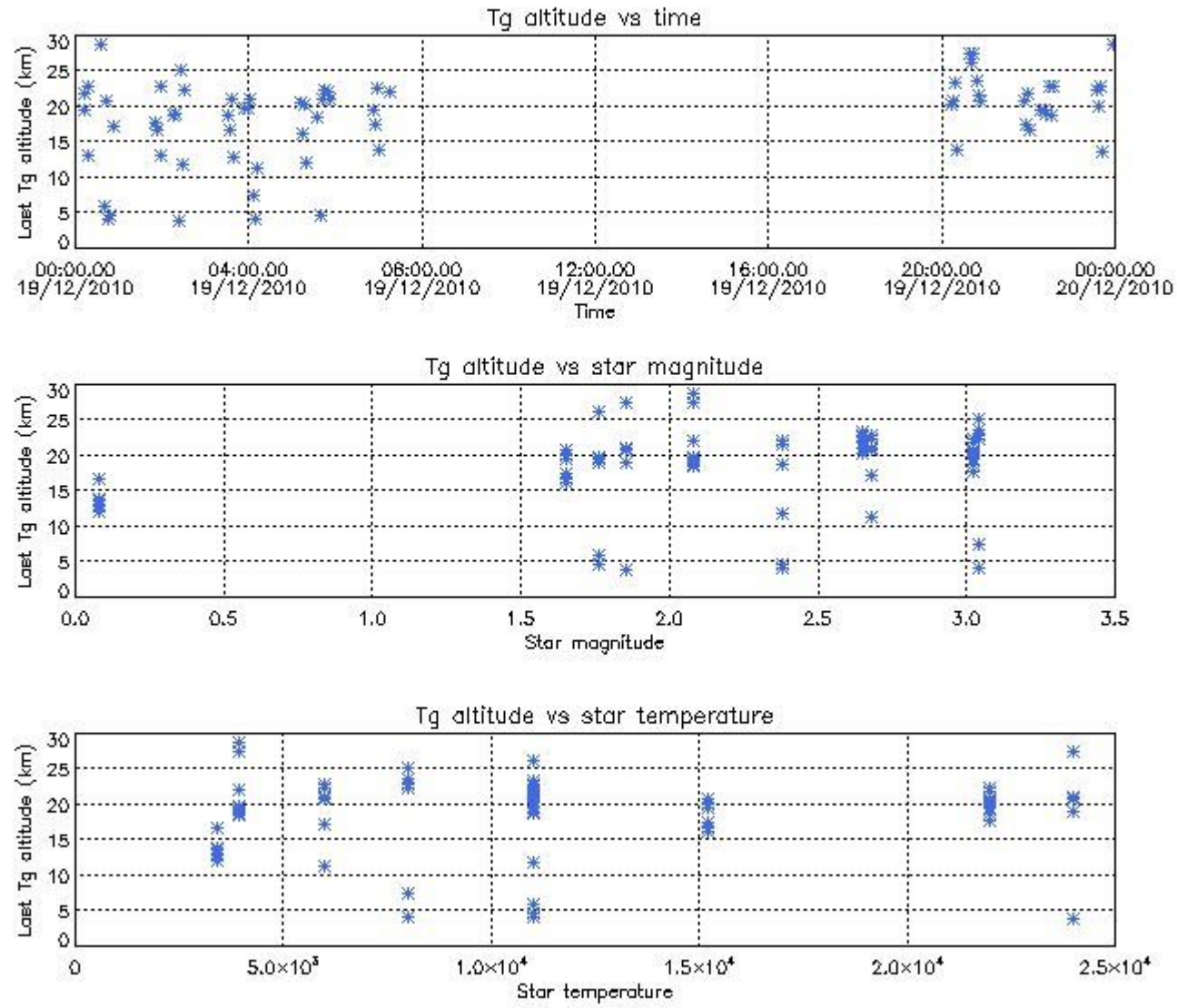
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

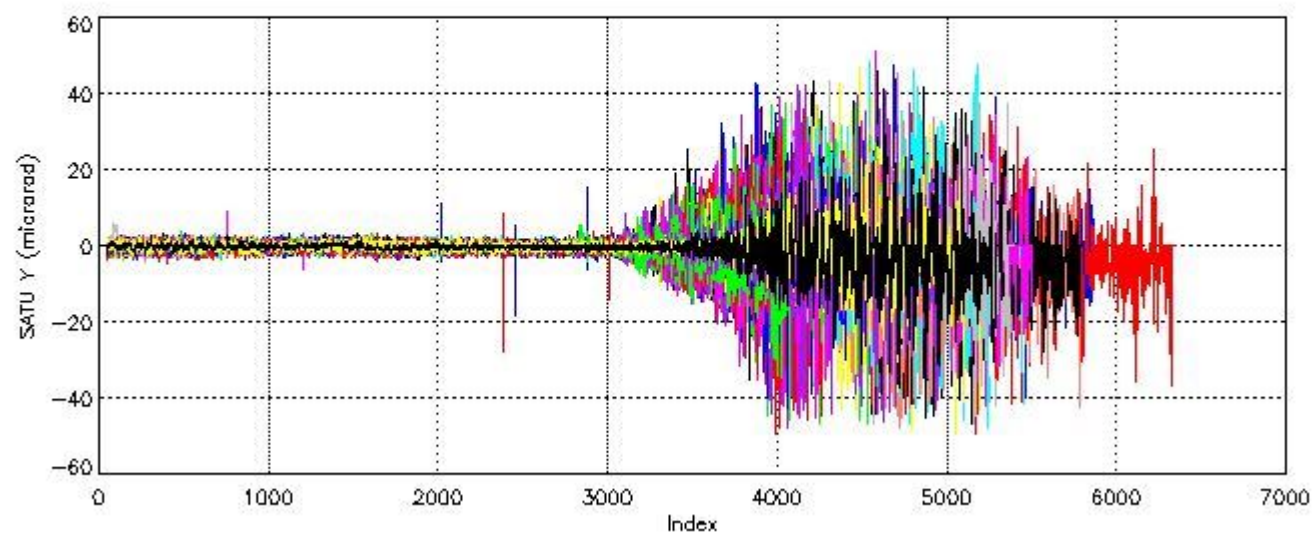
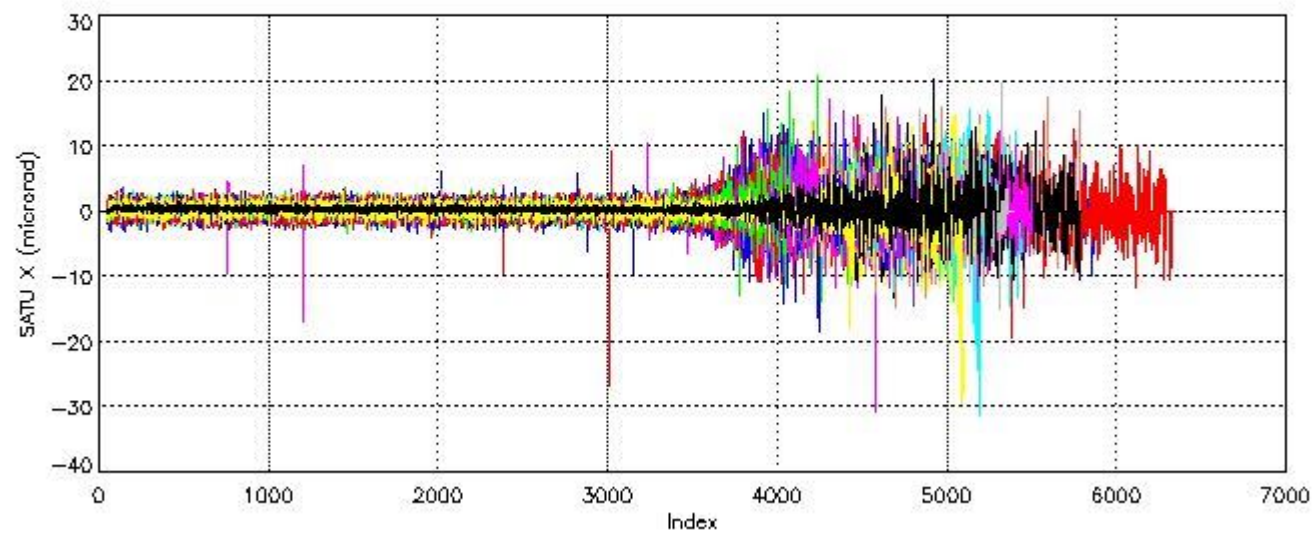


7. Star Acquisition and Tracking Unit (SATU)

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:	0.21191	-0.29435	0.16782	-0.23957
St. deviation:	0.62470	0.77085	0.80934	0.96499
Maximum:	4.5000	8.8000	6.2000	5.9000
Minimum:	-9.7000	-4.8000	-5.7000	-6.6000

Number of data:	62100.	62100.	67000.	67000.
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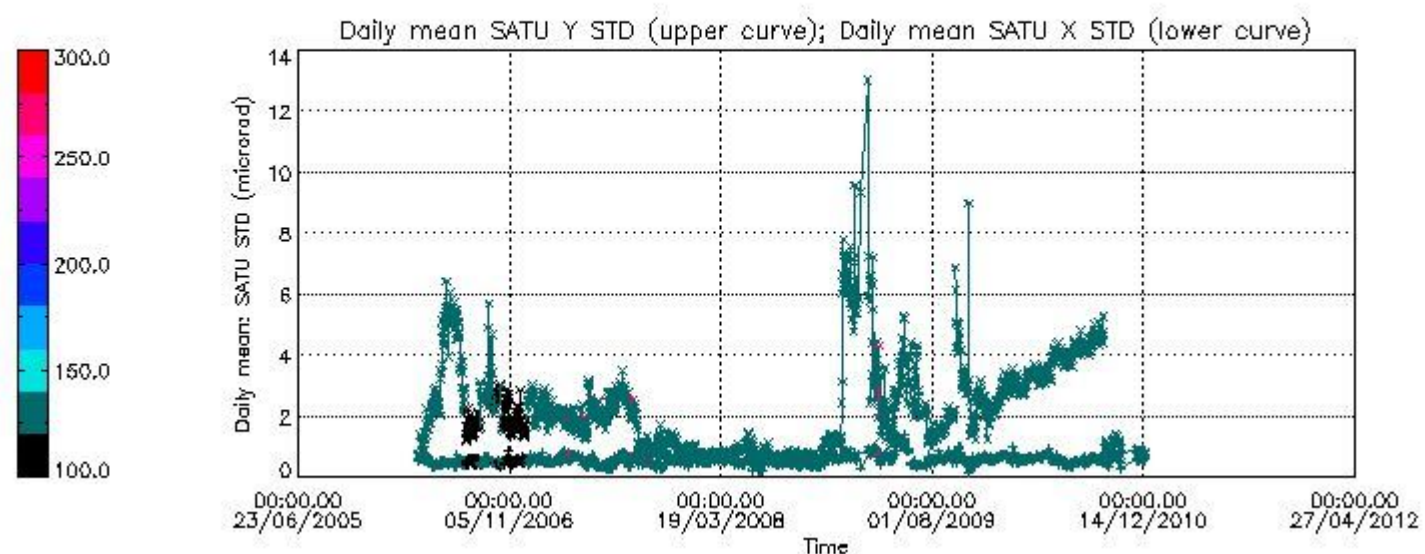
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

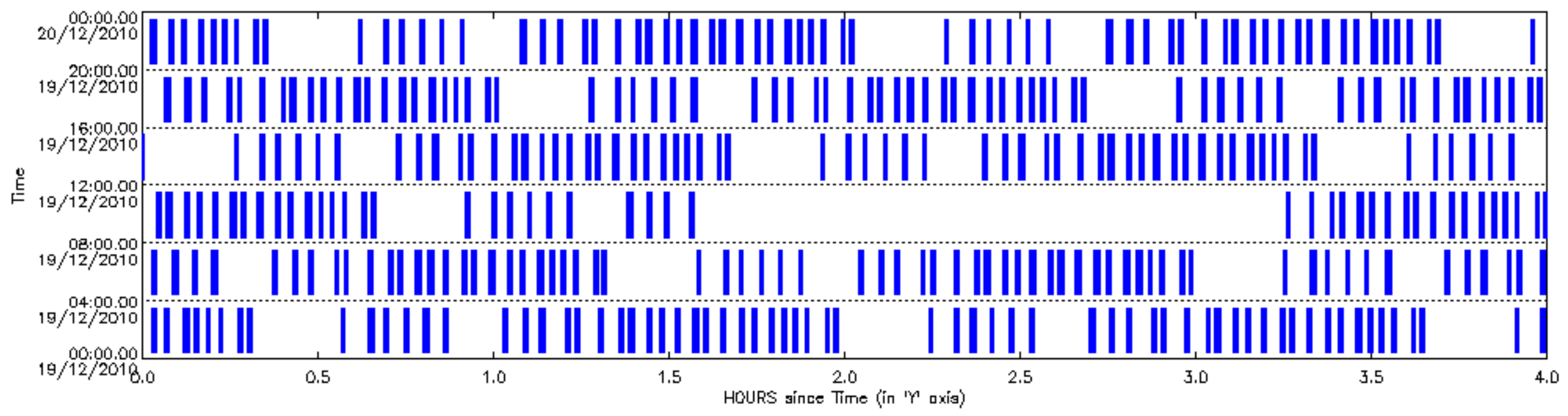
Lower curve: STD of SATU X axis

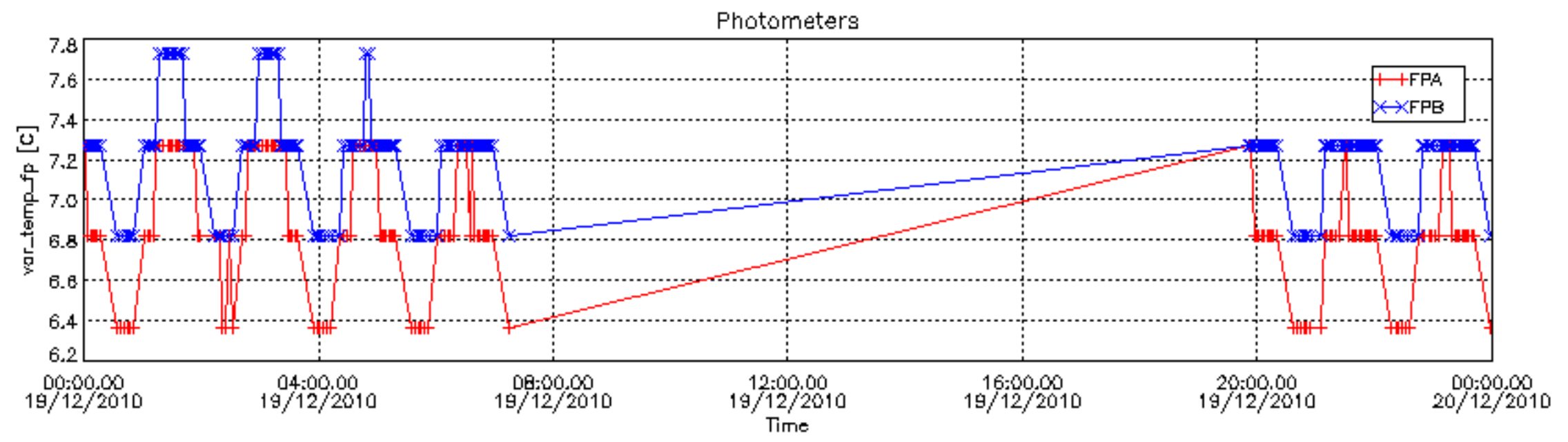
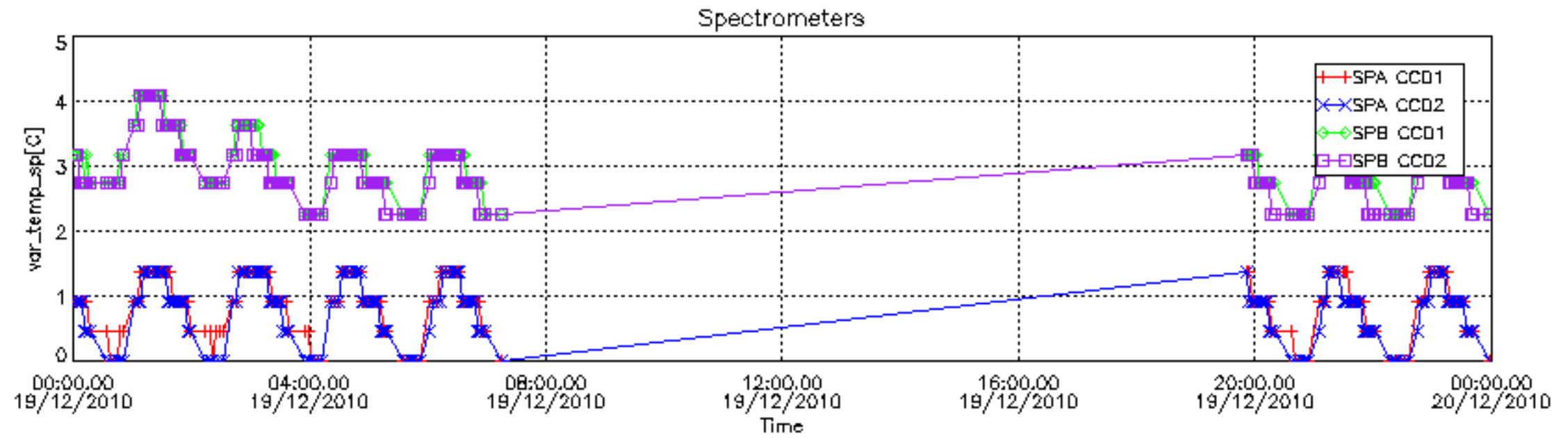


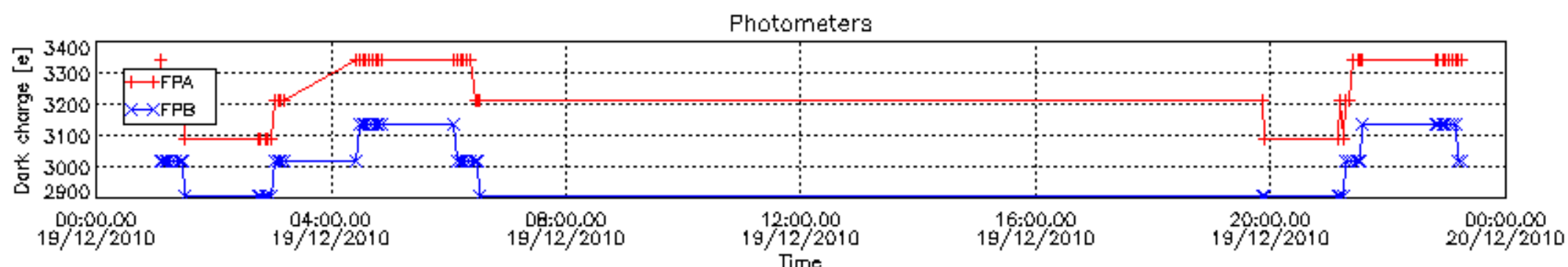
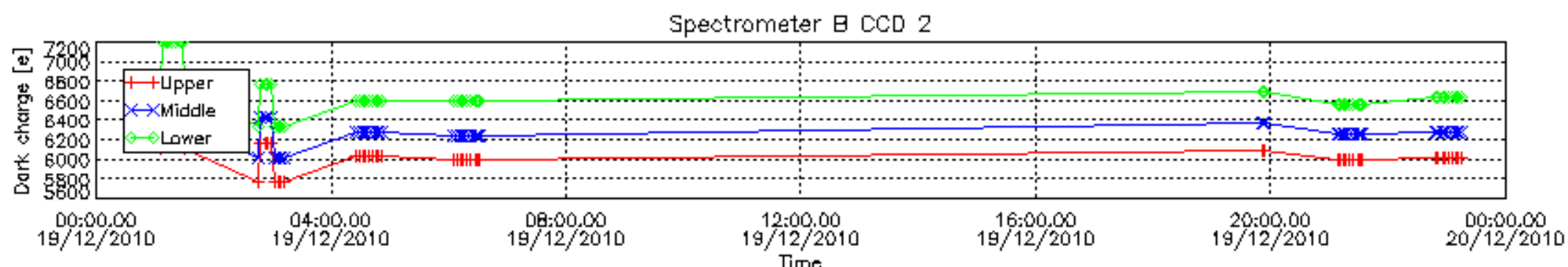
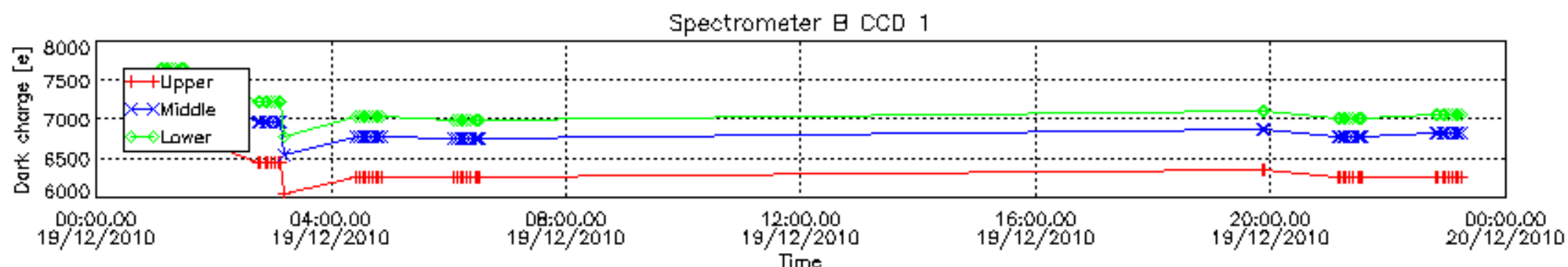
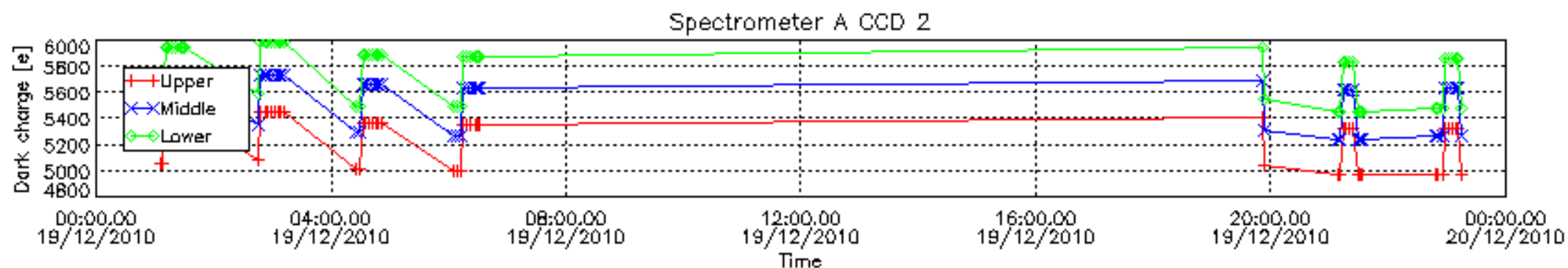
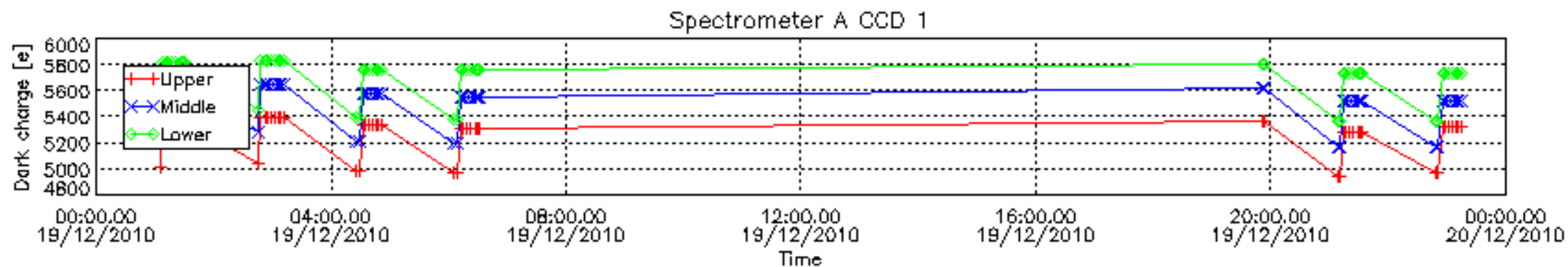
8. Auxiliary Data Files used for the production reported in section 2.4

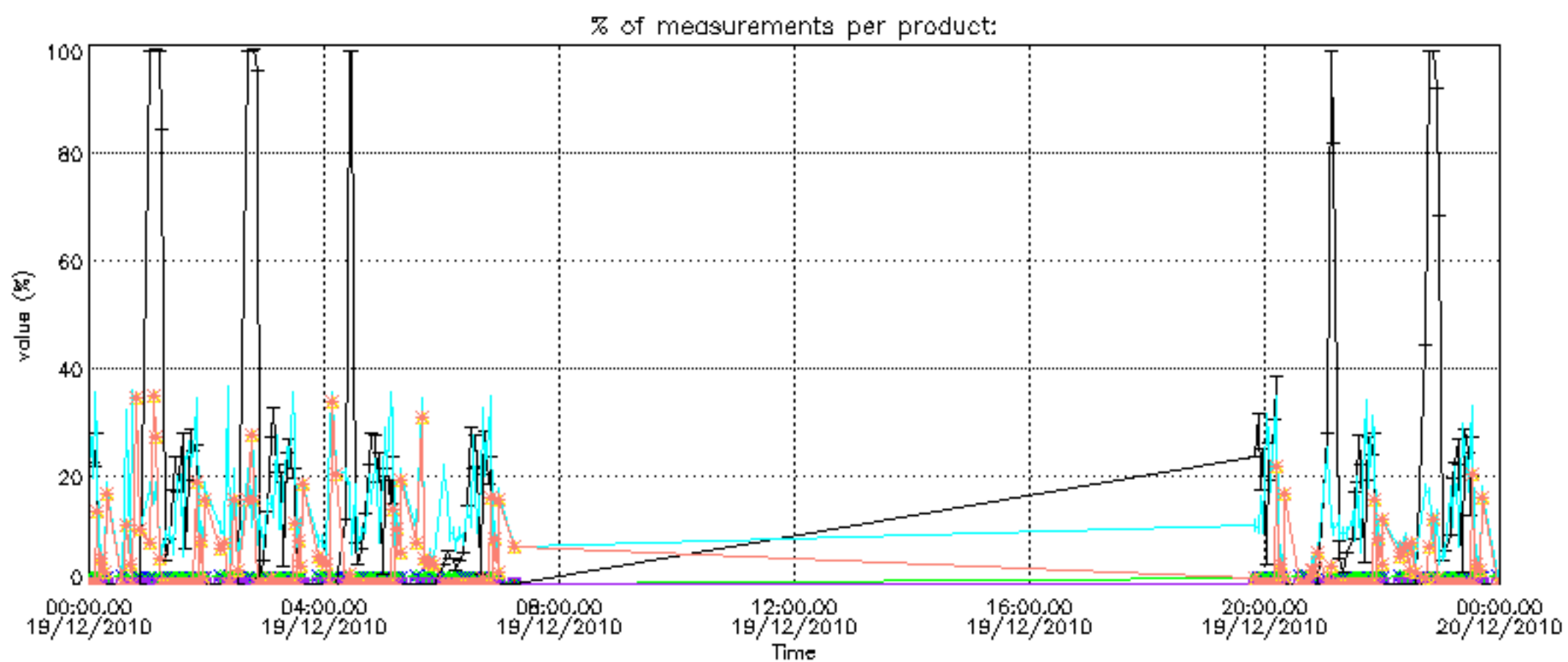
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	19-DEC-2010 00:01:36
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20101214_130634_20101212_000000_20500101_000000	1	19-DEC-2010 00:01:36
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	19-DEC-2010 00:01:36
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	19-DEC-2010 00:01:36
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	19-DEC-2010 00:01:36
ECMWF_FILE	AUX_ECF_AXNECM20101218_060113_20101218_210000_20101219_090000	1	19-DEC-2010 00:01:36
ECMWF_FILE	AUX_ECF_AXNECM20101218_174114_20101219_030000_20101219_150000	63	19-DEC-2010 03:54:28
ECMWF_FILE	AUX_ECA_AXNECM20101219_054114_20101218_210000_20101219_090000	90	19-DEC-2010 05:34:42
ECMWF_FILE	AUX_ECA_AXNECM20101219_174116_20101219_090000_20101219_210000	118	19-DEC-2010 19:50:59
ECMWF_FILE	AUX_ECF_AXNECM20101219_054115_20101219_210000_20101220_090000	137	19-DEC-2010 21:04:29
OPTIONAL_ECMWF_FILE	MISSING	1	19-DEC-2010 00:01:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101218_231947_000057383097_00317_46021_2155.N1	1	19-DEC-2010 00:01:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101219_010044_000098823097_00318_46022_2156.N1	15	19-DEC-2010 01:01:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101219_035045_000057383097_00320_46024_2157.N1	63	19-DEC-2010 03:54:28
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101219_053142_000057383097_00321_46025_2158.N1	90	19-DEC-2010 05:34:42
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101219_194707_000038253097_00330_46034_2161.N1	118	19-DEC-2010 19:50:59
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101219_205611_000060573097_00330_46034_2162.N1	137	19-DEC-2010 21:04:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101219_224227_000057383097_00331_46035_2163.N1	164	19-DEC-2010 22:44:44

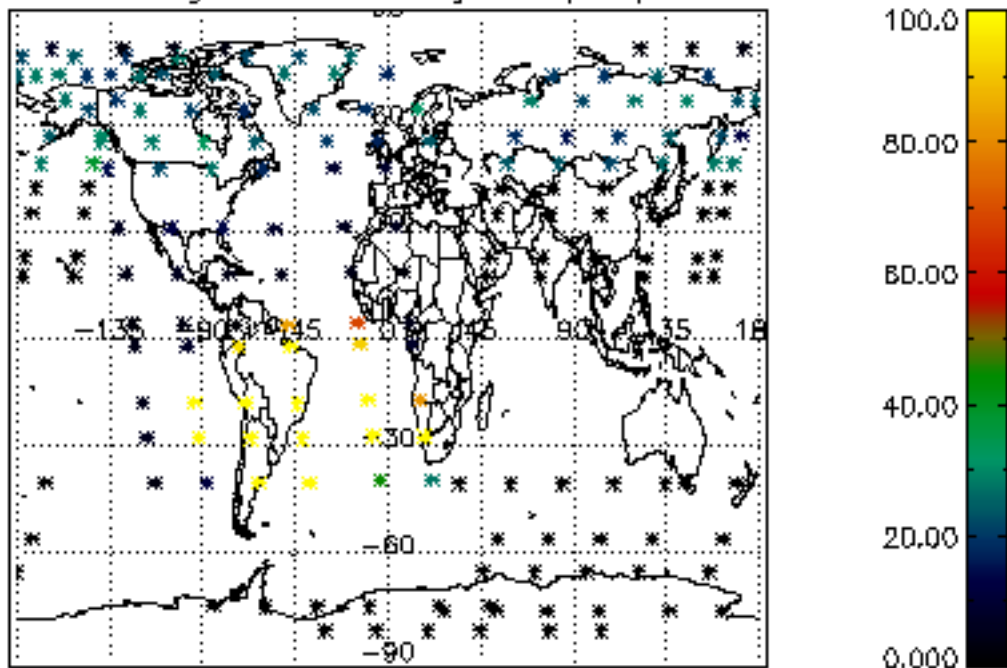




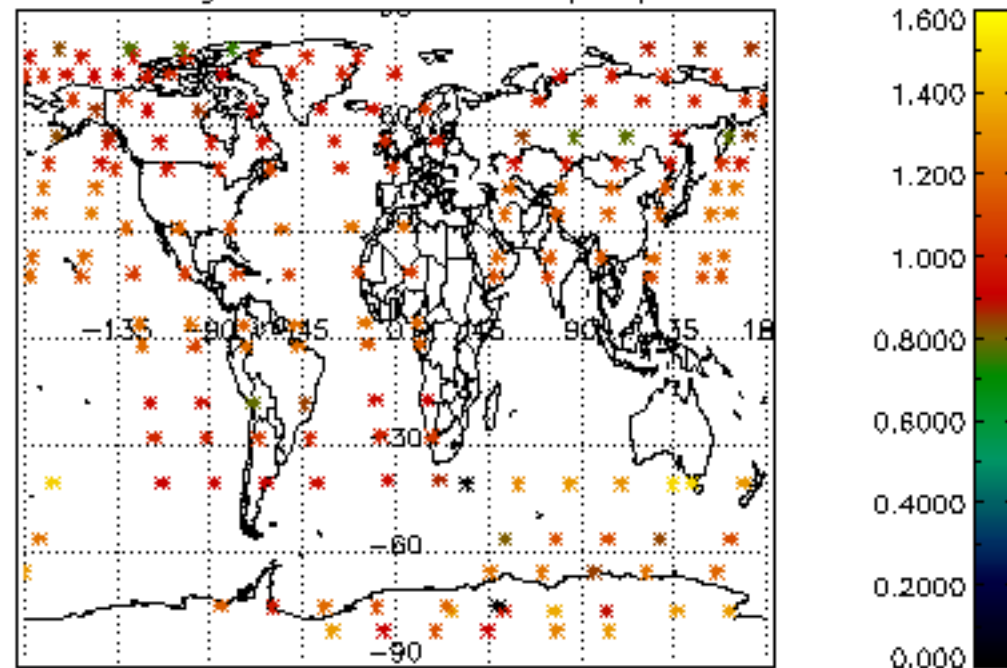




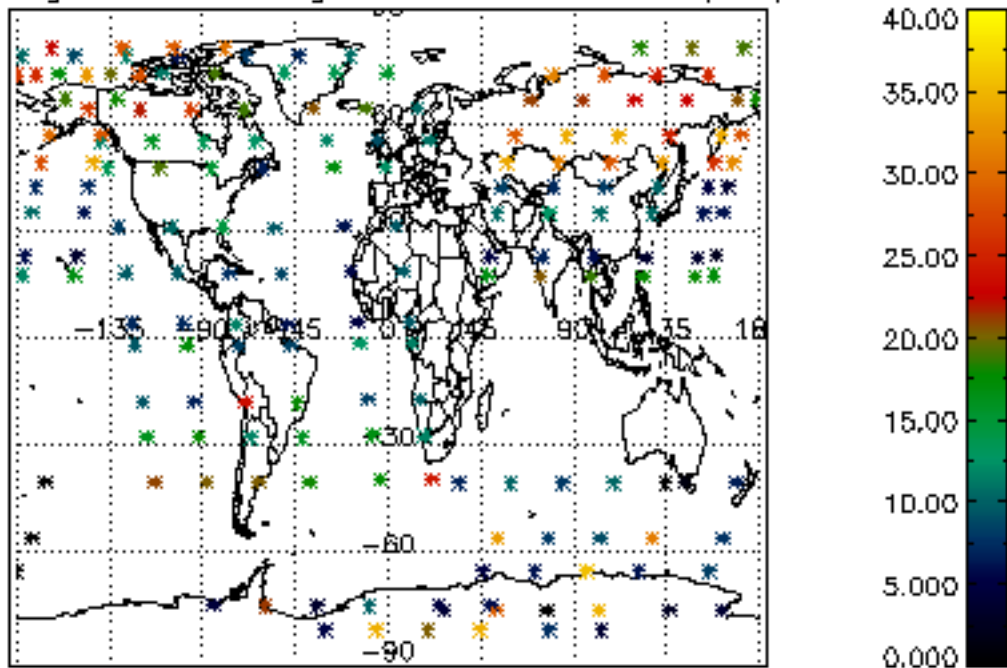
Percentage of cosmic ray hits per profile



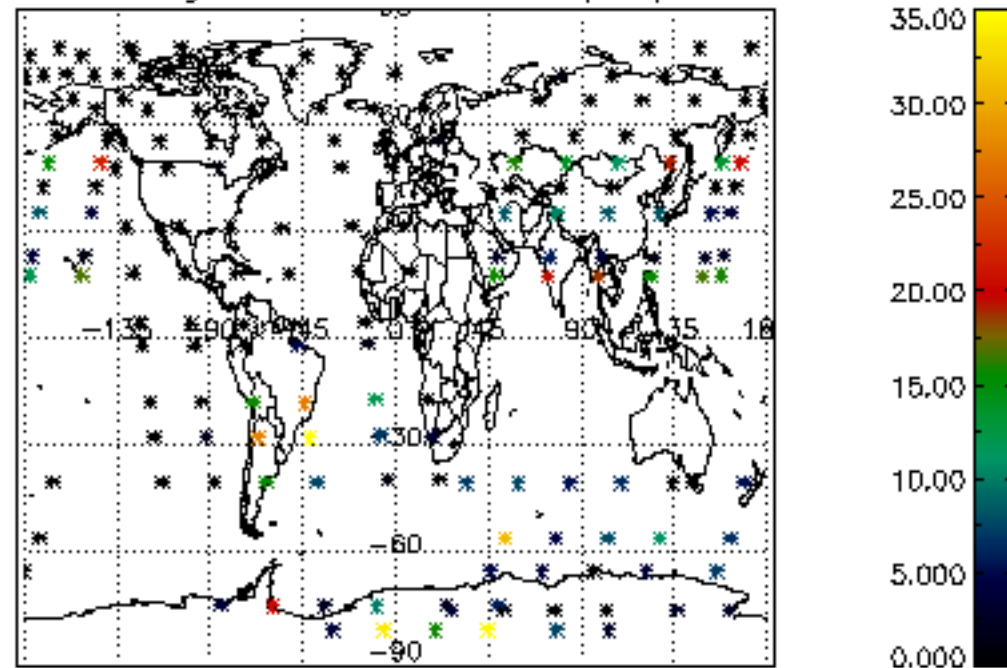
Percentage of datation errors per profile



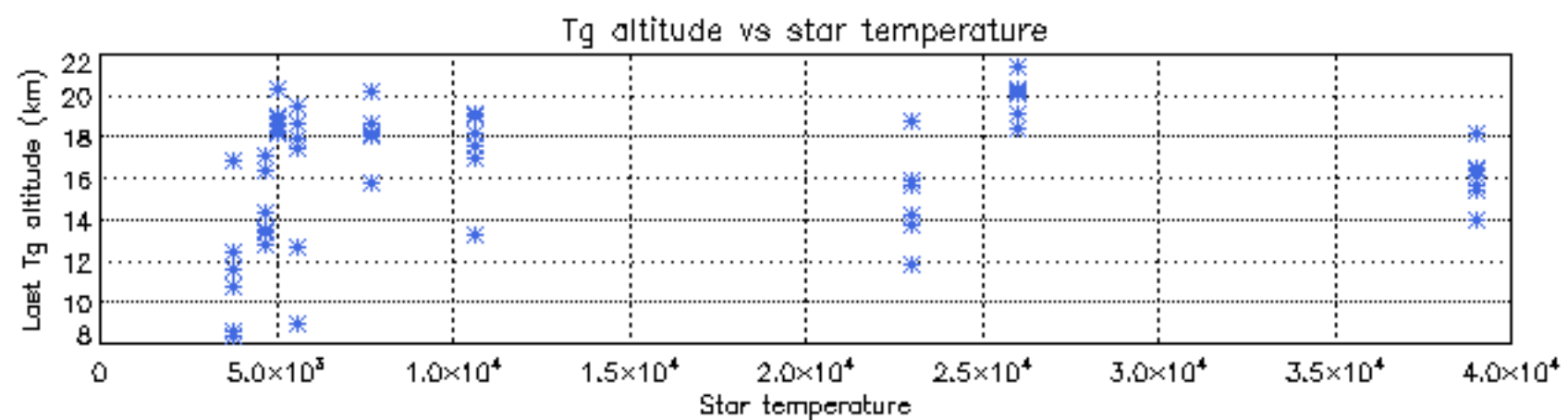
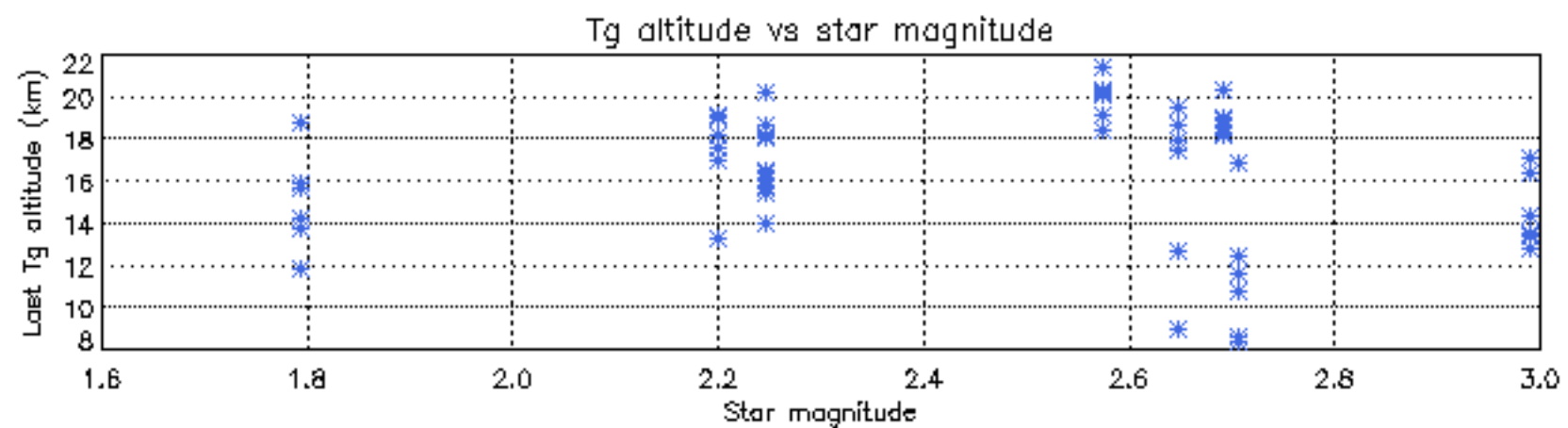
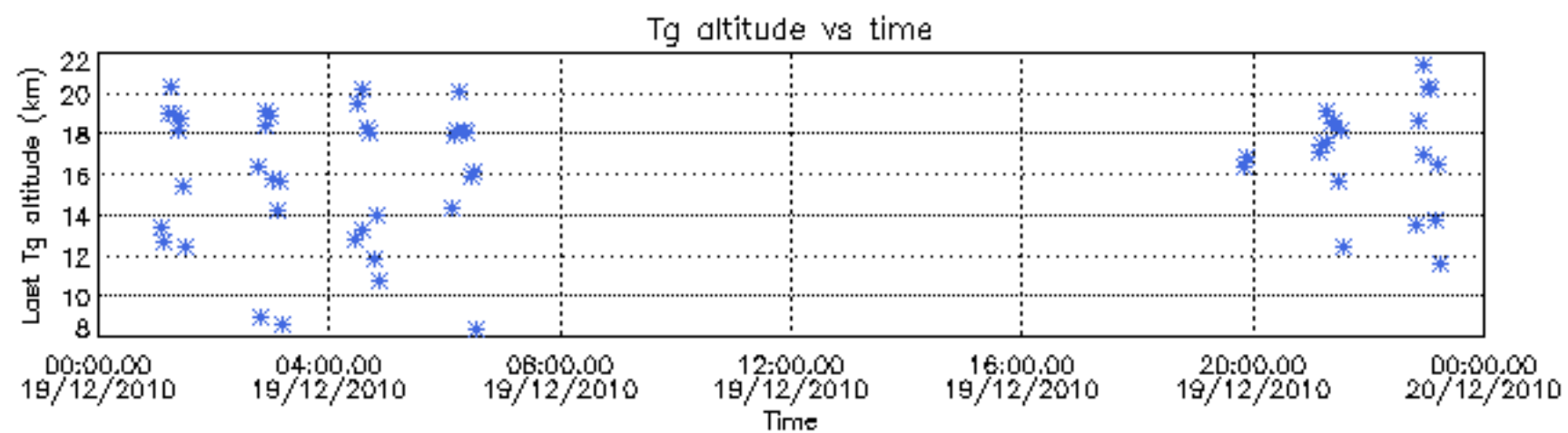
Percentage of star falling outside central band per profile



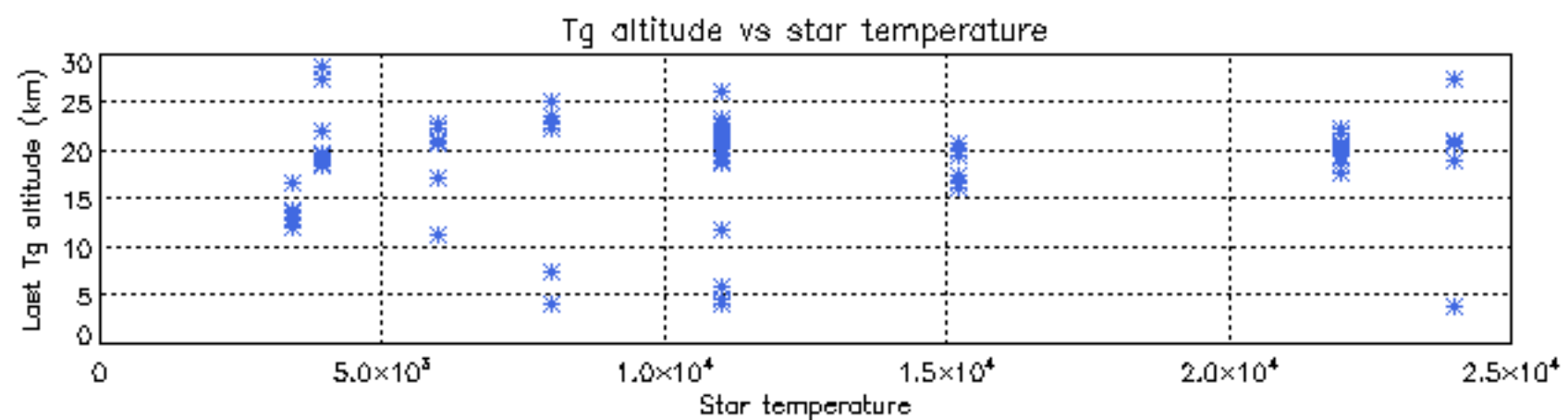
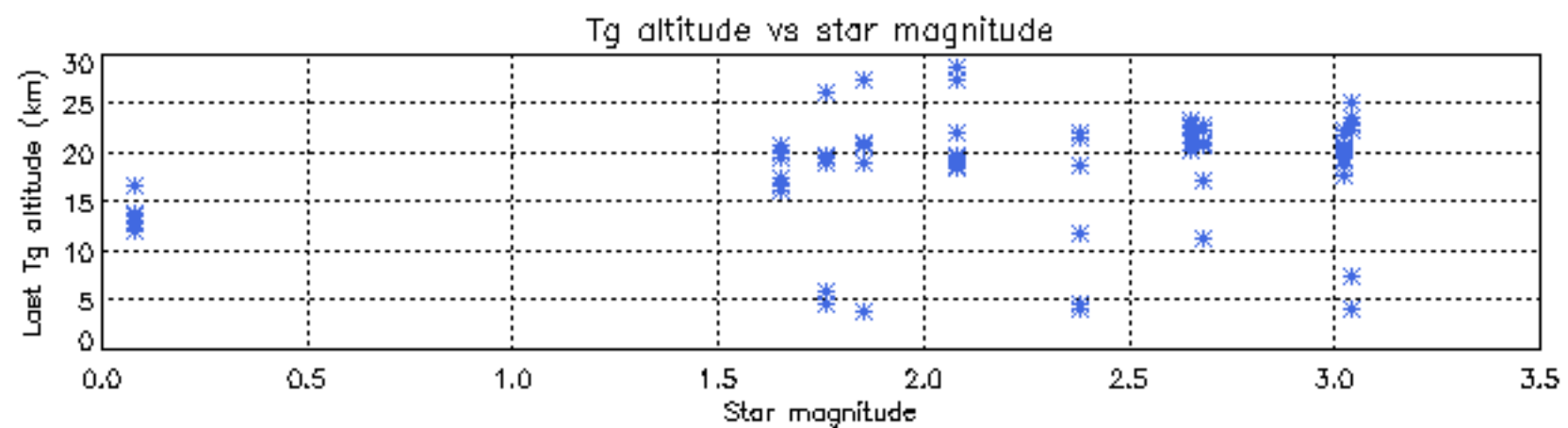
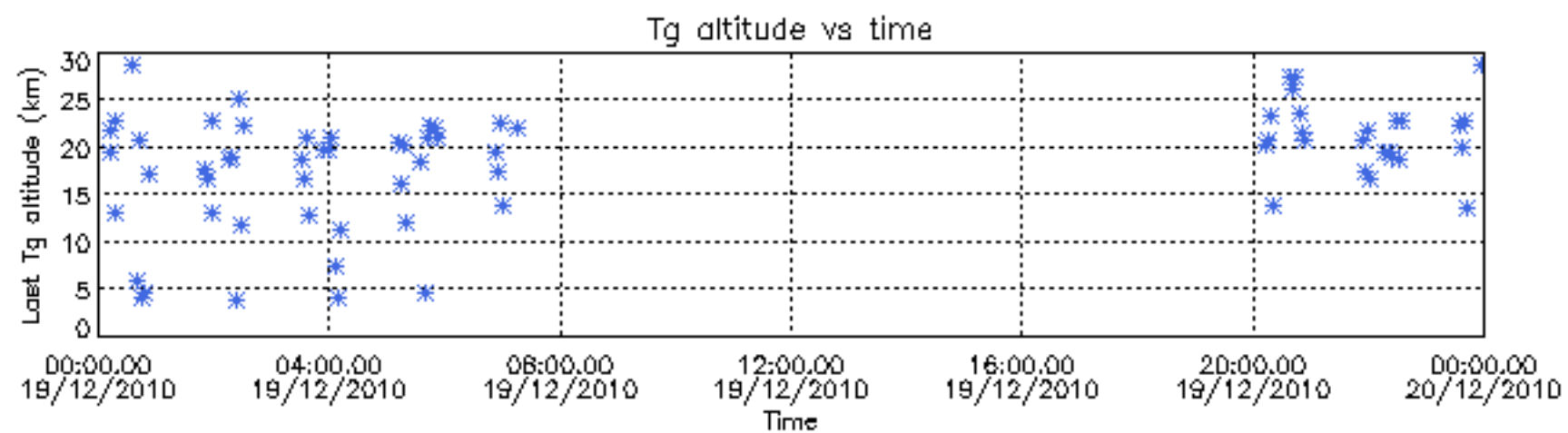
Percentage of saturation errors per profile

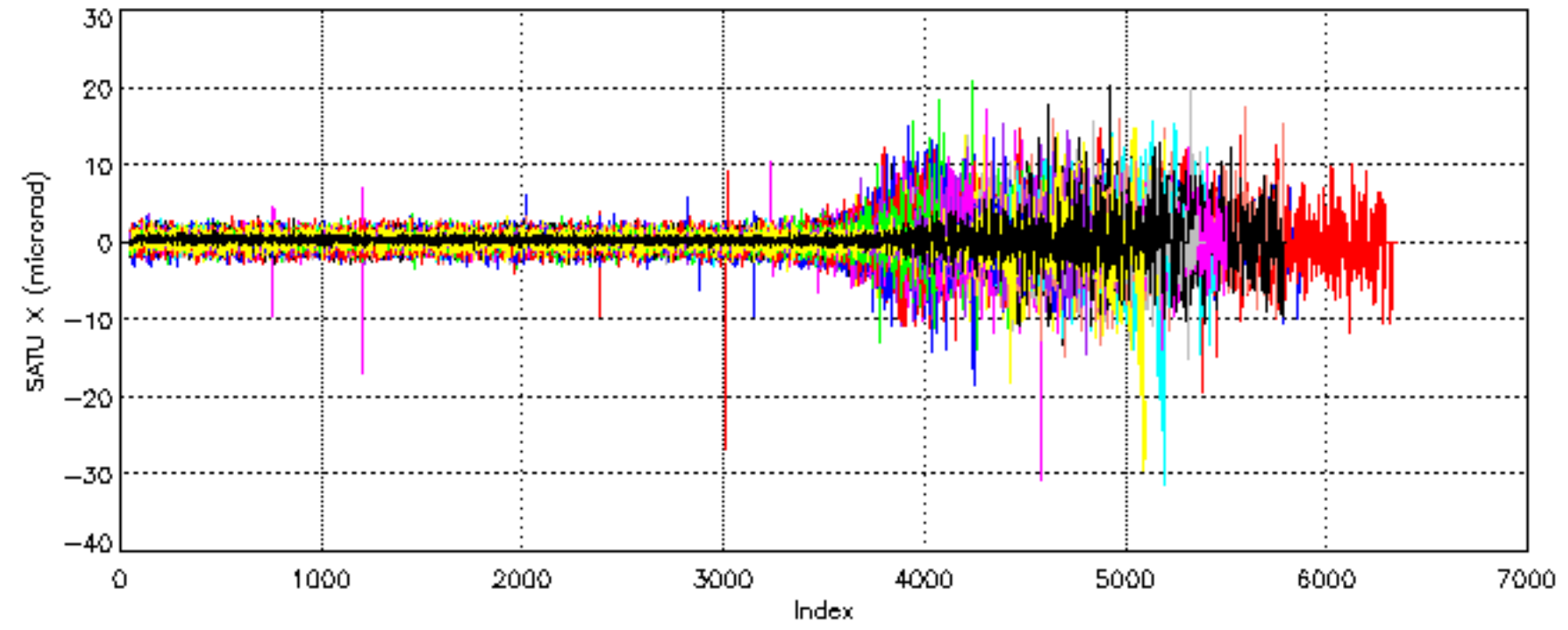


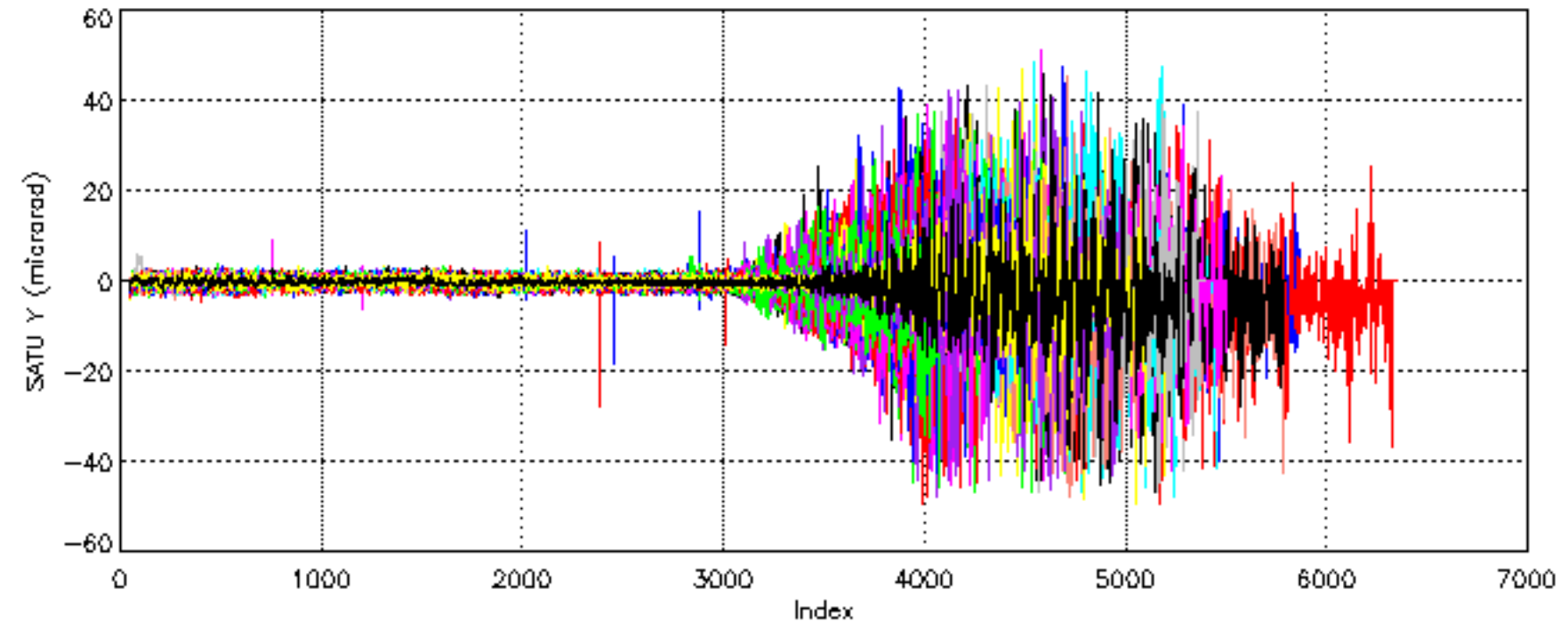
Tangent altitude at which the star is lost

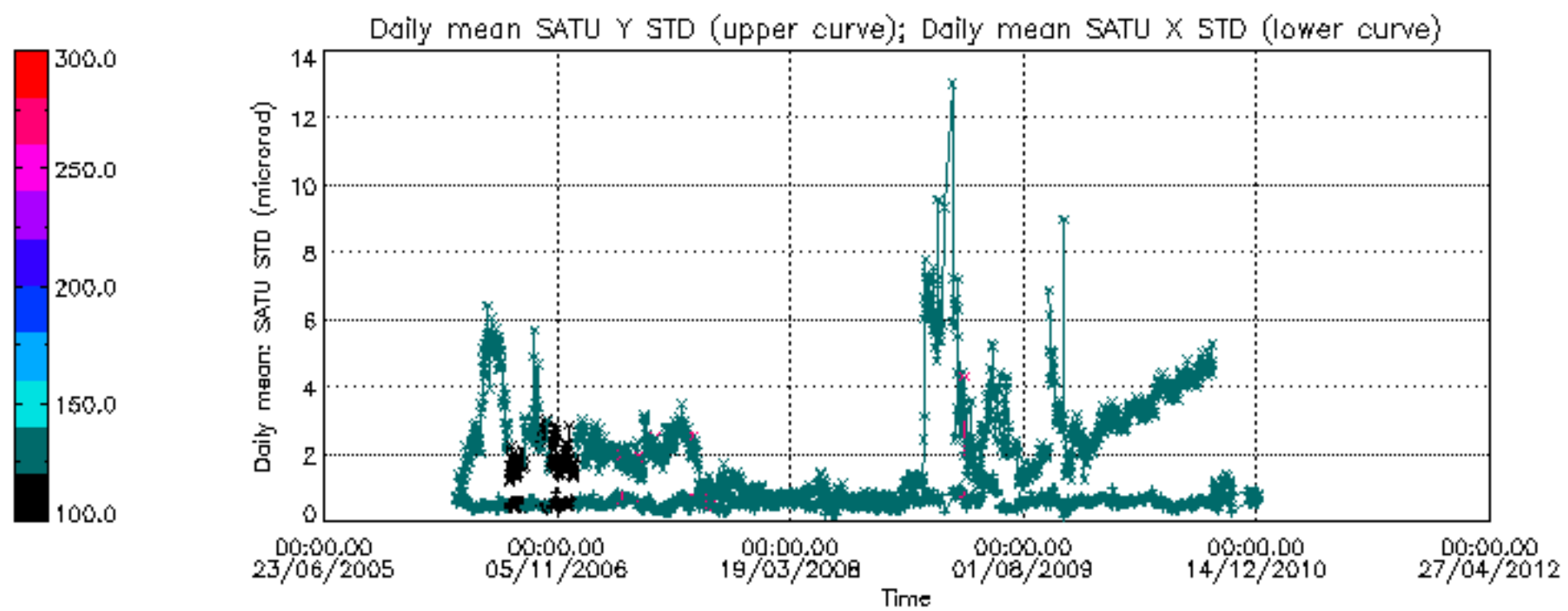


Tangent altitude at which the star is lost









/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
4; -1849.2; 01-DEC-2010 03:21:55; Bright; 67.0; 174; 52Psi UMa ; 3.00; 4400;occ; 134; 0;45765
5; -1687.8; 01-DEC-2010 03:24:37; Bright; 40.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 80; 0;45765
6; -1116.8; 01-DEC-2010 03:34:08; Bright; 58.0; 62; 94Bet Leo ; 2.14; 9700;occ; 116; 0;45765
7; -918.1; 01-DEC-2010 03:37:27; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;45765
8; -579.5; 01-DEC-2010 03:43:05; Dark ; 44.0; 100; 4Gam Crv ; 2.58; 13100;occ; 88; 0;45765
9; -484.1; 01-DEC-2010 03:44:41; Dark ; 47.0; 171; 2Eps Crv ; 3.00; 4250;occ; 94; 0;45765
10; 82.7; 01-DEC-2010 03:54:07; Dark ; 42.5; 113; Mu Vel ; 2.69; 5000;occ; 85; 0;45766
11; 406.4; 01-DEC-2010 03:59:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45766
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22; 6138.9; 04-DEC-2010 20:27:13; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;45819
23; 6464.7; 04-DEC-2010 20:32:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45819
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5; 2203.2; 05-DEC-2010 02:02:34; Dark ; 38.5; 13; 87Alp Tau ; 0.87; 3800;occ; 77; 21;45822
6; 2315.8; 05-DEC-2010 02:04:26; Bright; 37.5; 146; 25Eta Tau ; 2.87; 15200;occ; 75; 24;45822
7; 2445.6; 05-DEC-2010 02:06:36; Bright; 20.0; 150; 44Zet Per ; 2.89; 28000;occ; 40; 0;45822
8; 2553.5; 05-DEC-2010 02:08:24; Bright; 45.0; 114; 3Iot Aur ; 2.69; 4600;occ; 90; 47;45822
9; 2713.3; 05-DEC-2010 02:11:04; Bright; 44.5; 175; 39Del Per ; 3.01; 19400;occ; 89; 49;45822
10; 3779.8; 05-DEC-2010 02:28:50; Bright; 28.5; 36; 50Alp UMa ; 1.80; 6300;occ; 57; 11;45822
11; 3878.5; 05-DEC-2010 02:30:29; Bright; 43.5; 82; 48Bet UMa ; 2.37; 10600;occ; 87; 27;45822
12; 3996.3; 05-DEC-2010 02:32:27; Bright; 41.5; 32; 77Eps UMa ; 1.76; 11000;occ; 83; 23;45822
13; 4120.1; 05-DEC-2010 02:34:30; Bright; 48.5; 39; 85Eta UMa ; 1.85; 24000;occ; 97; 50;45822
14; 4345.1; 05-DEC-2010 02:38:16; Bright; 41.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 83; 59;45822
15; 4694.6; 05-DEC-2010 02:44:05; Bright; 36.0; 111; 8Eta Boo ; 2.68; 6000;occ; 72; 59;45822
16; 4862.1; 05-DEC-2010 02:46:52; Bright; 23.5; 138; 47Eps Vir ; 2.83; 4700;occ; 47; 17;45822
17; 5131.6; 05-DEC-2010 02:51:22; Bright; 13.0; 121; 29Gam Vir ; 2.74; 7200;occ; 26; 0;45822
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19; 6660.7; 05-DEC-2010 03:16:51; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 67;45823
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22; 7219.1; 05-DEC-2010 03:26:10; Dark ; 44.0; 108; Alp Col ; 2.65; 15200;occ; 88; 32;45823
23; 7583.1; 05-DEC-2010 03:32:14; Dark ; 50.0; 101; 11Alp Lep ; 2.58; 7000;occ; 100; 75;45823
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26; 8214.9; 05-DEC-2010 03:42:45; Dark ; 59.5; 13; 87Alp Tau ; 0.87; 3800;occ; 119; 39;45823
27; 8321.8; 05-DEC-2010 03:44:32; Bright; 24.0; 146; 25Eta Tau ; 2.87; 15200;occ; 48; 0;45823
28; 8470.5; 05-DEC-2010 03:47:01; Bright; 22.5; 150; 44Zet Per ; 2.89; 28000;occ; 45; 29;45823
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 8; 2306.2; 06-DEC-2010 21:30:22; Bright; 38.0; 146; 25Eta Tau ; 2.87; 15200;occ; 76; 0;45848

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 5; -1684.0; 06-DEC-2010 07:01:59; Bright; 40.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 80; 0;45839
 6; -1345.0; 06-DEC-2010 07:07:38; Bright; 36.0; 111; 8Eta Boo ; 2.68; 6000;occ; 72; 0;45839
 7; -1146.9; 06-DEC-2010 07:10:56; Bright; 45.0; 138; 47Eps Vir ; 2.83; 4700;occ; 90; 0;45839
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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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 11; 3865.6; 06-DEC-2010 08:34:29; Bright; 47.0; 82; 48Bet UMA ; 2.37; 10600;occ; 94; 0;45840
 12; 3986.2; 06-DEC-2010 08:36:29; Bright; 41.0; 32; 77Eps UMA ; 1.76; 11000;occ; 82; 0;45840
 13; 4120.3; 06-DEC-2010 08:38:43; Bright; 35.5; 39; 85Eta UMA ; 1.85; 24000;occ; 71; 0;45840
 14; 4330.0; 06-DEC-2010 08:42:13; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;45840
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 16; 4867.7; 06-DEC-2010 08:51:11; Bright; 45.0; 138; 47Eps Vir ; 2.83; 4700;occ; 90; 0;45840
 17; 5144.0; 06-DEC-2010 08:55:47; Dark ; 52.0; 121; 29Gam Vir ; 2.74; 7200;occ; 104; 0;45840
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 19; 5596.7; 06-DEC-2010 09:03:20; Dark ; 55.5; 171; 2Eps Crv ; 3.00; 4250;occ; 111; 0;45840
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 5; 2306.6; 06-DEC-2010 09:48:44; Bright; 34.5; 146; 25Eta Tau ; 2.87; 15200;occ; 69; 0;45841
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27; 6897.2; 13-DEC-2010 18:29:47; Dark ; 45.5; 2; Alp Car ; -0.74; 7000;occ; 91; 0;45947
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 27; 7060.3; 14-DEC-2010 14:35:18; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;45959
 28; 7257.7; 14-DEC-2010 14:38:36; Dark ; 54.0; 23; 21Eps CMA ; 1.50; 26000;occ; 108; 0;45959

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 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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26; 4115.6; 16-DEC-2010 22:34:11; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;45992
27; 4317.9; 16-DEC-2010 22:37:33; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;45992
28; 4511.2; 16-DEC-2010 22:40:46; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;45992
29; 4711.4; 16-DEC-2010 22:44:06; Bright; 61.0; 111; 8Eta Boo ; 2.68; 6000;occ; 122; 0;45992
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5; 42.5; 16-DEC-2010 23:06:31; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;45993
6; 274.6; 16-DEC-2010 23:10:24; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45993
7; 498.0; 16-DEC-2010 23:14:07; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;45993
8; 587.3; 16-DEC-2010 23:15:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45993
9; 777.5; 16-DEC-2010 23:18:46; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;45993
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12; 1258.0; 16-DEC-2010 23:26:47; Dark ; 51.0; 23; 21Eps CMA ; 1.50; 26000;occ; 102; 0;45993
13; 1363.9; 16-DEC-2010 23:28:33; Dark ; 34.0; 179; 240mi2CMA ; 3.03; 24000;occ; 68; 0;45993
14; 1527.2; 16-DEC-2010 23:31:16; Dark ; 50.5; 47; 2Bet CMA ; 1.98; 28000;occ; 101; 0;45993
15; 1738.4; 16-DEC-2010 23:34:47; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;45993
16; 1871.0; 16-DEC-2010 23:37:00; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;45993
17; 2056.0; 16-DEC-2010 23:40:05; Dark ; 59.0; 14; 58Alp Ori ; 0.87; 3000;occ; 118; 0;45993
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 22; 2770.5; 16-DEC-2010 23:51:59; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;45993
 23; 3685.5; 17-DEC-2010 00:07:14; Bright; 33.0; 60; 7Bet UMi ; 2.08; 3950;occ; 66; 0;45993
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 25; 4115.6; 17-DEC-2010 00:14:25; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;45993
 26; 4318.0; 17-DEC-2010 00:17:47; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;45993
 27; 4511.4; 17-DEC-2010 00:21:00; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;45993
 28; 4711.7; 17-DEC-2010 00:24:21; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;45993
 29; 5311.9; 17-DEC-2010 00:34:21; Dark ; 56.5; 15; 67Alp Vir ; 0.98; 28000;occ; 113; 0;45993

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 5;-1305.3; 16-DEC-2010 07:41:57; Bright; 41.0; 111; 8Eta Boo ; 2.68; 6000;occ; 82; 0;45983
 6;-1067.7; 16-DEC-2010 07:45:55; Bright; 59.0; 138; 47Eps Vir ; 2.83; 4700;occ; 118; 0;45983
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 9; -349.7; 16-DEC-2010 07:57:53; Dark ; 53.5; 106; 9Bet Crv ; 2.65; 5600;occ; 107; 0;45983
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 21; 1526.2; 16-DEC-2010 08:29:09; Dark ; 53.5; 47; 2Bet CMa ; 1.98; 28000;occ; 107; 0;45984

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 3; 2059.0; 16-DEC-2010 08:38:02; Dark ; 60.5; 14; 58Alp Ori ; 0.87; 3000;occ; 121; 0;45984
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 7; 2645.6; 16-DEC-2010 08:47:48; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;45984
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 12; 4317.2; 16-DEC-2010 09:15:40; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;45984
 13; 4510.0; 16-DEC-2010 09:18:53; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;45984
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 17; 5514.8; 16-DEC-2010 09:35:38; Dark ; 49.0; 169; 46Gam Hya ; 2.99; 4700;occ; 98; 0;45984
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 19; 5761.4; 16-DEC-2010 09:39:44; Dark ; 57.5; 171; 2Eps Crv ; 3.00; 4250;occ; 115; 0;45984
 20; 5953.1; 16-DEC-2010 09:42:56; Dark ; 42.5; 64; Gam Cen ; 2.20; 10600;occ; 85; 0;45984
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 22; 6281.6; 16-DEC-2010 09:48:24; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45985
 23; 6507.0; 16-DEC-2010 09:52:10; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;45985
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 26; 6912.8; 16-DEC-2010 09:58:56; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;45985
 27; 7075.1; 16-DEC-2010 10:01:38; Dark ; 50.0; 117; Pi Pup ; 2.71; 3800;occ; 100; 0;45985
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 29; 7310.0; 16-DEC-2010 10:05:33; Dark ; 53.0; 37; 25Del CMa ; 1.83; 5900;occ; 106; 0;45985
 30; 7540.3; 16-DEC-2010 10:09:23; Dark ; 51.0; 47; 2Bet CMa ; 1.98; 28000;occ; 102; 0;45985

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13; 4317.3; 16-DEC-2010 10:55:54; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;45985
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23; 6282.4; 16-DEC-2010 11:28:39; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45986
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25; 6596.0; 16-DEC-2010 11:33:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45986
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31; 7540.4; 16-DEC-2010 11:49:37; Dark ; 16.0; 47; 2Bet CMA ; 1.98; 28000;occ; 32; 0;45986

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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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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
16; 4949.2; 16-DEC-2010 14:26:54; Bright; 42.0; 138; 47Eps Vir ; 2.83; 4700;occ; 84; 0;45987
17; 5307.5; 16-DEC-2010 14:32:52; Dark ; 55.5; 15; 67Alp Vir ; 0.98; 28000;occ; 111; 0;45987
18; 5517.2; 16-DEC-2010 14:36:22; Dark ; 50.0; 169; 46Gam Hya ; 2.99; 4700;occ; 100; 0;45987
19; 5668.5; 16-DEC-2010 14:38:53; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;45987
20; 5765.4; 16-DEC-2010 14:40:30; Dark ; 52.0; 171; 2Eps Crv ; 3.00; 4250;occ; 104; 0;45987
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
30; 7376.7; 16-DEC-2010 15:07:21; Dark ; 24.5; 179; 240mi2CMa ; 3.03; 24000;occ; 49; 0;45988

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1; 1526.8; 16-DEC-2010 15:10:06; Dark ; 53.0; 47; 2Bet CMa ; 1.98; 28000;occ; 106; 0;45988
2; 1738.5; 16-DEC-2010 15:13:37; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;45988
3; 1871.8; 16-DEC-2010 15:15:51; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;45988
4; 2057.8; 16-DEC-2010 15:18:57; Dark ; 59.0; 14; 58Alp Ori ; 0.87; 3000;occ; 118; 0;45988
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
8; 2643.2; 16-DEC-2010 15:28:42; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;45988
9; 2773.4; 16-DEC-2010 15:30:52; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;45988
10; 3685.8; 16-DEC-2010 15:46:05; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;45988
11; 3960.0; 16-DEC-2010 15:50:39; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;45988
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
18; 5518.0; 16-DEC-2010 16:16:37; Dark ; 48.5; 169; 46Gam Hya ; 2.99; 4700;occ; 97; 0;45988
19; 5669.8; 16-DEC-2010 16:19:09; Dark ; 53.5; 106; 9Bet Crv ; 2.65; 5600;occ; 107; 0;45988
20; 5766.9; 16-DEC-2010 16:20:46; Dark ; 46.0; 171; 2Eps Crv ; 3.00; 4250;occ; 92; 0;45988
21; 5955.9; 16-DEC-2010 16:23:55; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;45988
22; 6053.9; 16-DEC-2010 16:25:33; Dark ; 42.5; 99; Del Cen ; 2.58; 26000;occ; 85; 0;45989
23; 6285.4; 16-DEC-2010 16:29:24; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;45989
24; 6509.7; 16-DEC-2010 16:33:08; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;45989
25; 6598.5; 16-DEC-2010 16:34:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45989
26; 6789.0; 16-DEC-2010 16:37:48; Dark ; 52.0; 34; Gam2Vel ; 1.79; 23000;occ; 104; 0;45989
27; 6916.1; 16-DEC-2010 16:39:55; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;45989
28; 7077.6; 16-DEC-2010 16:42:36; Dark ; 61.5; 117; Pi Pup ; 2.71; 3800;occ; 123; 0;45989
29; 7270.7; 16-DEC-2010 16:45:49; Dark ; 6.5; 23; 21Eps CMa ; 1.50; 26000;occ; 13; 0;45989

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1; 1256.6; 16-DEC-2010 16:45:49; Dark ; 53.5; 23; 21Eps CMa ; 1.50; 26000;occ; 107; 0;45989
2; 1362.9; 16-DEC-2010 16:47:36; Dark ; 25.0; 179; 240mi2CMa ; 3.03; 24000;occ; 50; 0;45989
3; 1526.8; 16-DEC-2010 16:50:20; Dark ; 52.5; 47; 2Bet CMa ; 1.98; 28000;occ; 105; 0;45989
4; 1738.4; 16-DEC-2010 16:53:51; Dark ; 50.0; 7; 19Bet Ori ; 0.10; 14000;occ; 100; 0;45989
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
10; 2642.4; 16-DEC-2010 17:08:55; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;45989
11; 2772.8; 16-DEC-2010 17:11:06; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;45989
12; 3685.7; 16-DEC-2010 17:26:19; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;45989
13; 3959.8; 16-DEC-2010 17:30:53; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;45989
14; 4116.0; 16-DEC-2010 17:33:29; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;45989

15; 4317.9; 16-DEC-2010 17:36:51; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;45989
 16; 4510.9; 16-DEC-2010 17:40:04; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;45989
 17; 4710.6; 16-DEC-2010 17:43:24; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;45989
 18; 4950.7; 16-DEC-2010 17:47:24; Bright; 33.0; 138; 47Eps Vir ; 2.83; 4700;occ; 66; 0;45989
 19; 5309.0; 16-DEC-2010 17:53:22; Dark ; 51.5; 15; 67Alp Vir ; 0.98; 28000;occ; 103; 0;45989
 20; 5518.7; 16-DEC-2010 17:56:52; Dark ; 46.5; 169; 46Gam Hya ; 2.99; 4700;occ; 93; 0;45989
 21; 5670.8; 16-DEC-2010 17:59:24; Dark ; 56.5; 106; 9Bet Crv ; 2.65; 5600;occ; 113; 0;45989
 22; 5768.1; 16-DEC-2010 18:01:01; Dark ; 46.0; 171; 2Eps Crv ; 3.00; 4250;occ; 92; 0;45989
 23; 5956.4; 16-DEC-2010 18:04:09; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;45989
 24; 6054.5; 16-DEC-2010 18:05:47; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;45990
 25; 6286.2; 16-DEC-2010 18:09:39; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45990
 26; 6510.2; 16-DEC-2010 18:13:23; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;45990
 27; 6599.2; 16-DEC-2010 18:14:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45990
 28; 6789.6; 16-DEC-2010 18:18:02; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;45990
 29; 6916.7; 16-DEC-2010 18:20:10; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;45990
 30; 7078.0; 16-DEC-2010 18:22:51; Dark ; 30.5; 117; Pi Pup ; 2.71; 3800;occ; 61; 0;45990

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1; -698.6; 17-DEC-2010 00:34:24; Dark ; 57.0; 15; 67Alp Vir ; 0.98; 28000;occ; 114; 7;45993
 2; -492.4; 17-DEC-2010 00:37:50; Dark ; 47.0; 169; 46Gam Hya ; 2.99; 4700;occ; 94; 0;45993
 3; -240.6; 17-DEC-2010 00:42:02; Dark ; 35.0; 171; 2Eps Crv ; 3.00; 4250;occ; 70; 0;45993
 4; -55.2; 17-DEC-2010 00:45:08; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;45993
 5; 43.0; 17-DEC-2010 00:46:46; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;45994
 6; 275.5; 17-DEC-2010 00:50:38; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45994
 7; 498.6; 17-DEC-2010 00:54:22; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;45994
 8; 588.1; 17-DEC-2010 00:55:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45994
 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
 17; 2055.8; 17-DEC-2010 01:20:19; Dark ; 58.5; 14; 58Alp Ori ; 0.87; 3000;occ; 117; 0;45994
 18; 2176.1; 17-DEC-2010 01:22:19; Dark ; 51.0; 13; 87Alp Tau ; 0.87; 3800;occ; 102; 0;45994
 19; 2304.3; 17-DEC-2010 01:24:27; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;45994
 20; 2427.4; 17-DEC-2010 01:26:30; Bright; 44.0; 28; 12Bet Tau ; 1.65; 15200;occ; 88; 0;45994
 21; 2639.5; 17-DEC-2010 01:30:02; Bright; 46.0; 107; 37The Aur ; 2.65; 11000;occ; 92; 0;45994
 22; 2770.0; 17-DEC-2010 01:32:13; Bright; 45.0; 42; 34Bet Aur ; 1.90; 10200;occ; 90; 0;45994
 23; 3685.4; 17-DEC-2010 01:47:28; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;45994
 24; 3958.4; 17-DEC-2010 01:52:01; Bright; 43.5; 32; 77Eps UMa ; 1.76; 11000;occ; 87; 0;45994
 25; 4115.5; 17-DEC-2010 01:54:38; Bright; 43.0; 39; 85Eta UMa ; 1.85; 24000;occ; 86; 0;45994
 26; 4318.1; 17-DEC-2010 01:58:01; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;45994
 27; 4511.5; 17-DEC-2010 02:01:14; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;45994
 28; 4712.1; 17-DEC-2010 02:04:35; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;45994

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1; -701.4; 17-DEC-2010 02:14:36; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;45994
 2; -337.7; 17-DEC-2010 02:20:39; Dark ; 57.5; 106; 9Bet Crv ; 2.65; 5600;occ; 115; 0;45994
 3; -239.1; 17-DEC-2010 02:22:18; Dark ; 29.0; 171; 2Eps Crv ; 3.00; 4250;occ; 58; 0;45994
 4; 43.9; 17-DEC-2010 02:27:01; Dark ; 46.5; 99; Del Cen ; 2.58; 26000;occ; 93; 0;45995
 5; 276.5; 17-DEC-2010 02:30:53; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45995
 6; 499.3; 17-DEC-2010 02:34:36; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;45995
 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
 9; 906.3; 17-DEC-2010 02:41:23; Dark ; 52.5; 70; Zet Pup ; 2.25; 39000;occ; 105; 0;45995
 10; 1066.6; 17-DEC-2010 02:44:03; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;45995
 11; 1259.0; 17-DEC-2010 02:47:16; Dark ; 53.5; 23; 21Eps CMa ; 1.50; 26000;occ; 107; 0;45995
 12; 1364.8; 17-DEC-2010 02:49:02; Dark ; 39.0; 179; 240mi2CMa ; 3.03; 24000;occ; 78; 0;45995
 13; 1527.6; 17-DEC-2010 02:51:44; Dark ; 52.5; 47; 2Bet CMa ; 1.98; 28000;occ; 105; 0;45995
 14; 1738.5; 17-DEC-2010 02:55:15; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;45995
 15; 1870.9; 17-DEC-2010 02:57:28; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;45995
 16; 2055.5; 17-DEC-2010 03:00:32; Dark ; 57.0; 14; 58Alp Ori ; 0.87; 3000;occ; 114; 0;45995
 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
 19; 2427.2; 17-DEC-2010 03:06:44; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;45995
 20; 2638.9; 17-DEC-2010 03:10:16; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;45995
 21; 2769.5; 17-DEC-2010 03:12:26; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;45995

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 2;-2055.8; 17-DEC-2010 03:32:15; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;45995
 3;-1898.5; 17-DEC-2010 03:34:52; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;45995
 4;-1695.9; 17-DEC-2010 03:38:15; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;45995
 5;-1502.3; 17-DEC-2010 03:41:29; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;45995
 6;-1301.7; 17-DEC-2010 03:44:49; Bright; 41.0; 111; 8Eta Boo ; 2.68; 6000;occ; 82; 0;45995
 7; -700.5; 17-DEC-2010 03:54:50; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;45995
 8; -414.7; 17-DEC-2010 03:59:36; Dark ; 54.5; 163; 7Del Crv ; 2.94; 11000;occ; 109; 0;45995
 9; -336.8; 17-DEC-2010 04:00:54; Dark ; 60.0; 106; 9Bet Crv ; 2.65; 5600;occ; 120; 0;45995
 10; -237.8; 17-DEC-2010 04:02:33; Dark ; 29.0; 171; 2Eps Crv ; 3.00; 4250;occ; 58; 0;45995
 11; -54.1; 17-DEC-2010 04:05:37; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;45995
 12; 44.6; 17-DEC-2010 04:07:16; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;45996
 13; 277.4; 17-DEC-2010 04:11:08; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;45996
 14; 499.8; 17-DEC-2010 04:14:51; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;45996
 15; 589.5; 17-DEC-2010 04:16:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45996
 16; 779.7; 17-DEC-2010 04:19:31; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;45996
 17; 907.1; 17-DEC-2010 04:21:38; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;45996
 18; 1067.3; 17-DEC-2010 04:24:18; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;45996
 19; 1259.5; 17-DEC-2010 04:27:30; Dark ; 53.5; 23; 21Eps CMa ; 1.50; 26000;occ; 107; 0;45996
 20; 1365.1; 17-DEC-2010 04:29:16; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;45996
 21; 1527.9; 17-DEC-2010 04:31:59; Dark ; 49.5; 47; 2Bet CMa ; 1.98; 28000;occ; 99; 0;45996
 22; 1738.6; 17-DEC-2010 04:35:30; Dark ; 53.5; 7; 19Bet Ori ; 0.10; 14000;occ; 107; 0;45996
 23; 1870.9; 17-DEC-2010 04:37:42; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;45996
 24; 2055.4; 17-DEC-2010 04:40:46; Dark ; 60.0; 14; 58Alp Ori ; 0.87; 3000;occ; 120; 0;45996
 25; 2176.2; 17-DEC-2010 04:42:47; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;45996
 26; 2303.7; 17-DEC-2010 04:44:55; Bright; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;45996
 27; 2426.9; 17-DEC-2010 04:46:58; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;45996
 28; 2638.4; 17-DEC-2010 04:50:29; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;45996
 29; 2769.0; 17-DEC-2010 04:52:40; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;45996
 30; 3685.5; 17-DEC-2010 05:07:56; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;45996

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 2;-2056.1; 17-DEC-2010 05:12:29; Bright; 43.0; 32; 77Eps UMa ; 1.76; 11000;occ; 86; 0;45996
 3;-1898.6; 17-DEC-2010 05:15:06; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;45996
 4;-1695.9; 17-DEC-2010 05:18:29; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;45996
 5;-1502.2; 17-DEC-2010 05:21:43; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;45996
 6;-1301.5; 17-DEC-2010 05:25:04; Bright; 42.5; 111; 8Eta Boo ; 2.68; 6000;occ; 85; 0;45996
 7; -699.9; 17-DEC-2010 05:35:05; Dark ; 57.0; 15; 67Alp Vir ; 0.98; 28000;occ; 114; 0;45996
 8; -413.3; 17-DEC-2010 05:39:52; Dark ; 48.0; 163; 7Del Crv ; 2.94; 11000;occ; 96; 0;45996
 9; -335.7; 17-DEC-2010 05:41:09; Dark ; 55.5; 106; 9Bet Crv ; 2.65; 5600;occ; 111; 0;45996
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13; 1369.0; 18-DEC-2010 00:32:08; Dark ; 51.0; 179; 240mi2CMA ; 3.03; 24000;occ; 102; 0;46008
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23; 3685.1; 18-DEC-2010 01:10:44; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;46008
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23; 6964.1; 21-DEC-2010 10:16:37; Dark ; 49.5; 70; Zet Pup ; 2.25; 39000;occ; 99; 0;46057
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 19; 6347.4; 21-DEC-2010 11:46:34; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46058
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 22; 6649.4; 21-DEC-2010 15:12:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46060
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17; 4740.4; 22-DEC-2010 17:24:00; Bright; 66.0; 111; 8Eta Boo ; 2.68; 6000;occ; 132; 0;46075
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 22; 6105.3; 22-DEC-2010 17:46:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46076
 23; 6363.9; 22-DEC-2010 17:51:03; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46076
 24; 6562.3; 22-DEC-2010 17:54:21; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;46076
 25; 6669.1; 22-DEC-2010 17:56:08; Dark ; 46.5; 41; Eps Car ; 1.86; 4100;occ; 93; 0;46076
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 13; 3936.9; 22-DEC-2010 18:50:50; Bright; 46.0; 32; 77Eps UMa ; 1.76; 11000;occ; 92; 0;46076
 14; 4108.3; 22-DEC-2010 18:53:42; Bright; 40.0; 39; 85Eta UMa ; 1.85; 24000;occ; 80; 0;46076
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13; 1390.8; 23-DEC-2010 02:29:34; Dark ; 48.5; 179; 240mi2CMa ; 3.03; 24000;occ; 97; 0;46081
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5; -1486.6; 23-DEC-2010 05:02:05; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;46082
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13; 552.3; 23-DEC-2010 05:36:04; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;46083
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 27; 7410.1; 24-DEC-2010 11:54:20; Dark ; 45.5; 179; 240mi2CMA ; 3.03; 24000;occ; 91; 0;46101
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 23; 6682.1; 24-DEC-2010 13:22:26; Dark ; 48.5; 41; Eps Car ; 1.86; 4100;occ; 97; 0;46102
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27; 6994.3; 24-DEC-2010 16:48:06; Dark ; 50.0; 70; Zet Pup ; 2.25; 39000;occ; 100; 0;46104
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26;	6579.9;	24-DEC-2010	20:01:40;	Dark ;	42.5;	71;	Iot Car ;	2.25;	7700;occ;	85;	0;46106
27;	6684.2;	24-DEC-2010	20:03:24;	Dark ;	56.5;	41;	Eps Car ;	1.86;	4100;occ;	113;	0;46106
28;	6769.1;	24-DEC-2010	20:04:49;	Dark ;	58.5;	65;	Lam Vel ;	2.20;	4400;occ;	117;	0;46106
29;	6865.0;	24-DEC-2010	20:06:25;	Dark ;	46.0;	34;	Gam2Vel ;	1.79;	23000;occ;	92;	0;46106
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1;	-600.5;	25-DEC-2010	00:42:56;	Dark ;	60.5;	15;	67Alp Vir ;	0.98;	28000;occ;	121;	0;46108
2;	-338.0;	25-DEC-2010	00:47:18;	Dark ;	47.5;	54;	5The Cen ;	2.06;	4500;occ;	95;	0;46108
3;	23.9;	25-DEC-2010	00:53:20;	Dark ;	42.0;	64;	Gam Cen ;	2.20;	10600;occ;	84;	0;46109
4;	120.0;	25-DEC-2010	00:54:56;	Dark ;	59.5;	0;	;	0.00;	0;occ;	119;	0;46109
5;	379.8;	25-DEC-2010	00:59:16;	Dark ;	46.5;	113;	Mu Vel ;	2.69;	5000;occ;	93;	0;46109
6;	567.5;	25-DEC-2010	01:02:24;	Dark ;	41.0;	71;	Iot Car ;	2.25;	7700;occ;	82;	0;46109
7;	671.5;	25-DEC-2010	01:04:08;	Dark ;	55.0;	41;	Eps Car ;	1.86;	4100;occ;	110;	0;46109
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9;	983.3;	25-DEC-2010	01:09:19;	Dark ;	50.0;	70;	Zet Pup ;	2.25;	39000;occ;	100;	0;46109
10;	1122.8;	25-DEC-2010	01:11:39;	Dark ;	52.5;	117;	Pi Pup ;	2.71;	3800;occ;	105;	0;46109
11;	1300.6;	25-DEC-2010	01:14:37;	Dark ;	50.0;	23;	21Eps CMa ;	1.50;	26000;occ;	100;	0;46109
12;	1398.4;	25-DEC-2010	01:16:14;	Dark ;	48.0;	179;	240mi2CMa ;	3.03;	24000;occ;	96;	0;46109
13;	1557.9;	25-DEC-2010	01:18:54;	Dark ;	55.0;	1;	9Alp CMa ;	-1.44;	11000;occ;	110;	0;46109
14;	1746.8;	25-DEC-2010	01:22:03;	Dark ;	48.5;	7;	19Bet Ori ;	0.10;	14000;occ;	97;	0;46109
15;	1866.5;	25-DEC-2010	01:24:03;	Dark ;	45.5;	30;	46Eps Ori ;	1.69;	30000;occ;	91;	0;46109
16;	2030.0;	25-DEC-2010	01:26:46;	Dark ;	56.5;	14;	58Alp Ori ;	0.87;	3000;occ;	113;	0;46109
17;	2271.5;	25-DEC-2010	01:30:48;	Bright;	41.0;	176;	23Zet Tau ;	3.02;	22000;occ;	82;	0;46109
18;	2396.3;	25-DEC-2010	01:32:52;	Bright;	39.5;	28;	12Bet Tau ;	1.65;	15200;occ;	79;	0;46109
19;	2583.8;	25-DEC-2010	01:36:00;	Bright;	39.0;	107;	37The Aur ;	2.65;	11000;occ;	78;	0;46109
20;	2690.9;	25-DEC-2010	01:37:47;	Bright;	42.5;	6;	13Alp Aur ;	0.08;	3400;occ;	85;	0;46109
21;	3680.3;	25-DEC-2010	01:54:16;	Bright;	38.0;	60;	7Bet UMi ;	2.08;	3950;occ;	76;	0;46109
22;	3926.7;	25-DEC-2010	01:58:23;	Bright;	47.0;	32;	77Eps UMa ;	1.76;	11000;occ;	94;	0;46109
23;	4104.2;	25-DEC-2010	02:01:20;	Bright;	43.0;	39;	85Eta UMa ;	1.85;	24000;occ;	86;	0;46109
24;	4326.4;	25-DEC-2010	02:05:02;	Bright;	37.5;	180;	27Gam Boo ;	3.04;	8000;occ;	75;	0;46109
25;	4532.3;	25-DEC-2010	02:08:28;	Bright;	58.0;	83;	;	2.38;	11000;occ;	116;	0;46109
26;	4754.1;	25-DEC-2010	02:12:10;	Bright;	46.5;	111;	8Eta Boo ;	2.68;	6000;occ;	93;	0;46109
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9;	672.1;	25-DEC-2010	02:44:22;	Dark ;	45.5;	41;	Eps Car ;	1.86;	4100;occ;	91;	0;46110
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11;	853.2;	25-DEC-2010	02:47:23;	Dark ;	44.5;	34;	Gam2Vel ;	1.79;	23000;occ;	89;	0;46110
12;	983.9;	25-DEC-2010	02:49:34;	Dark ;	51.5;	70;	Zet Pup ;	2.25;	39000;occ;	103;	0;46110
13;	1123.3;	25-DEC-2010	02:51:53;	Dark ;	52.5;	117;	Pi Pup ;	2.71;	3800;occ;	105;	0;46110
14;	1301.0;	25-DEC-2010	02:54:51;	Dark ;	47.5;	23;	21Eps CMa ;	1.50;	26000;occ;	95;	0;46110
15;	1398.7;	25-DEC-2010	02:56:29;	Dark ;	49.0;	179;	240mi2CMa ;	3.03;	24000;occ;	98;	0;46110
16;	1558.0;	25-DEC-2010	02:59:08;	Dark ;	52.0;	1;	9Alp CMa ;	-1.44;	11000;occ;	104;	0;46110
17;	1747.0;	25-DEC-2010	03:02:17;	Dark ;	49.0;	7;	19Bet Ori ;	0.10;	14000;occ;	98;	0;46110

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20; 2271.3; 25-DEC-2010 03:11:01; Bright; 41.5; 176; 23Zet Tau ; 3.02; 22000;occ; 83; 0;46110
21; 2396.1; 25-DEC-2010 03:13:06; Bright; 41.0; 28; 12Bet Tau ; 1.65; 15200;occ; 82; 0;46110
22; 2583.5; 25-DEC-2010 03:16:13; Bright; 41.0; 107; 37The Aur ; 2.65; 11000;occ; 82; 0;46110
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11; 25.3; 25-DEC-2010 04:13:49; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;46111
12; 121.7; 25-DEC-2010 04:15:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46111
13; 381.5; 25-DEC-2010 04:19:46; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;46111
14; 568.8; 25-DEC-2010 04:22:53; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;46111
15; 672.5; 25-DEC-2010 04:24:37; Dark ; 46.0; 41; Eps Car ; 1.86; 4100;occ; 92; 0;46111
16; 759.4; 25-DEC-2010 04:26:03; Dark ; 59.5; 65; Lam Vel ; 2.20; 4400;occ; 119; 0;46111
17; 853.7; 25-DEC-2010 04:27:38; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;46111
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24; 1866.4; 25-DEC-2010 04:44:30; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;46111
25; 2029.8; 25-DEC-2010 04:47:14; Dark ; 57.0; 14; 58Alp Ori ; 0.87; 3000;occ; 114; 0;46111
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16; 760.2; 25-DEC-2010 06:06:18; Dark ; 69.0; 65; Lam Vel ; 2.20; 4400;occ; 138; 0;46112
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23; 1747.2; 25-DEC-2010 06:22:45; Dark ; 52.5; 7; 19Bet Ori ; 0.10; 14000;occ; 105; 0;46112
24; 1866.4; 25-DEC-2010 06:24:45; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;46112
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26; 2271.0; 25-DEC-2010 06:31:29; Bright; 39.5; 176; 23Zet Tau ; 3.02; 22000;occ; 79; 0;46112
27; 2395.8; 25-DEC-2010 06:33:34; Bright; 41.5; 28; 12Bet Tau ; 1.65; 15200;occ; 83; 0;46112
28; 2582.8; 25-DEC-2010 06:36:41; Bright; 40.5; 107; 37The Aur ; 2.65; 11000;occ; 81; 0;46112
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 11; 2579.0; 25-DEC-2010 21:38:44; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;46121
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 13; 3679.2; 25-DEC-2010 21:57:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;46121
 14; 3922.7; 25-DEC-2010 22:01:07; Bright; 66.0; 32; 77Eps UMa ; 1.76; 11000;occ; 132; 0;46121
 15; 4102.3; 25-DEC-2010 22:04:07; Bright; 63.0; 39; 85Eta UMa ; 1.85; 24000;occ; 126; 0;46121
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 17; 4534.6; 25-DEC-2010 22:11:19; Bright; 58.0; 83; ; 2.38; 11000;occ; 116; 0;46121
 18; 4758.8; 25-DEC-2010 22:15:03; Bright; 69.0; 111; 8Eta Boo ; 2.68; 6000;occ; 138; 0;46121
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23; 3895.6; 31-DEC-2010 01:37:58; Bright; 47.5; 32; 77Eps UMa ; 1.76; 11000;occ; 95; 0;46195
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4; -1683.4; 31-DEC-2010 03:25:27; Bright; 55.0; 180; 27Gam Boo ; 3.04; 8000;occ; 110; 0;46196
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 4; 2020.5; 31-DEC-2010 12:48:21; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;46202
 5; 2217.2; 31-DEC-2010 12:51:37; Dark ; 51.0; 44; 24Gam Gem ; 1.93; 11000;occ; 102; 0;46202
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 7; 2553.6; 31-DEC-2010 12:57:14; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46202
 8; 2678.0; 31-DEC-2010 12:59:18; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;46202
 9; 3672.7; 31-DEC-2010 13:15:53; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;46202
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12; 4330.6; 31-DEC-2010 13:26:51; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;46202
13; 4550.5; 31-DEC-2010 13:30:31; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;46202
14; 4744.6; 31-DEC-2010 13:33:45; Bright; 52.5; 3; 16Alp Boo ; -0.05; 4250;occ; 105; 0;46202
15; 5167.7; 31-DEC-2010 13:40:48; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;46202
16; 5325.6; 31-DEC-2010 13:43:26; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;46202
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19; 6110.6; 31-DEC-2010 13:56:31; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;46203
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21; 6478.4; 31-DEC-2010 14:02:39; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;46203
22; 6634.3; 31-DEC-2010 14:05:14; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;46203
23; 6729.6; 31-DEC-2010 14:06:50; Dark ; 43.5; 41; Eps Car ; 1.86; 4100;occ; 87; 0;46203
24; 6919.0; 31-DEC-2010 14:09:59; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;46203
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26; 7175.1; 31-DEC-2010 14:14:15; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;46203
27; 7343.0; 31-DEC-2010 14:17:03; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;46203
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 3; 1719.2; 31-DEC-2010 14:23:33; Dark ; 43.5; 56; 53Kap Ori ; 2.07; 30000;occ; 87; 0;46203
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 8; 2553.4; 31-DEC-2010 14:37:28; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;46203
 9; 2678.0; 31-DEC-2010 14:39:32; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;46203
10; 3672.7; 31-DEC-2010 14:56:07; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;46203
11; 3892.5; 31-DEC-2010 14:59:47; Bright; 48.0; 32; 77Eps UMA ; 1.76; 11000;occ; 96; 0;46203
12; 4088.3; 31-DEC-2010 15:03:02; Bright; 66.0; 39; 85Eta UMA ; 1.85; 24000;occ; 132; 0;46203
13; 4331.0; 31-DEC-2010 15:07:05; Bright; 46.0; 180; 27Gam Boo ; 3.04; 8000;occ; 92; 0;46203
14; 4550.9; 31-DEC-2010 15:10:45; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;46203
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16; 5168.3; 31-DEC-2010 15:21:02; Bright; 56.0; 104; 27Bet Lib ; 2.61; 13100;occ; 112; 0;46203
17; 5326.1; 31-DEC-2010 15:23:40; Dark ; 48.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 96; 0;46203
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 22; 6479.3; 31-DEC-2010 15:42:53; Dark ; 49.5; 113; Mu Vel ; 2.69; 5000;occ; 99; 0;46204
 23; 6634.9; 31-DEC-2010 15:45:29; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46204
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 26; 7050.5; 31-DEC-2010 15:52:25; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;46204
 27; 7175.5; 31-DEC-2010 15:54:30; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;46204
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 3; 1569.7; 31-DEC-2010 16:01:18; Dark ; 51.0; 1; 9Alp CMA ; -1.44; 11000;occ; 102; 0;46204
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 5; 1869.2; 31-DEC-2010 16:06:17; Dark ; 43.0; 30; 46Eps Ori ; 1.69; 30000;occ; 86; 0;46204
 6; 2020.3; 31-DEC-2010 16:08:48; Dark ; 55.5; 14; 58Alp Ori ; 0.87; 3000;occ; 111; 0;46204
 7; 2216.4; 31-DEC-2010 16:12:05; Dark ; 57.5; 44; 24Gam Gem ; 1.93; 11000;occ; 115; 0;46204
 8; 2314.3; 31-DEC-2010 16:13:42; Bright; 47.0; 151; 13Mu Gem ; 2.89; 3000;occ; 94; 0;46204
 9; 2553.2; 31-DEC-2010 16:17:41; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;46204
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 11; 3672.5; 31-DEC-2010 16:36:21; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;46204
 12; 3892.1; 31-DEC-2010 16:40:00; Bright; 48.0; 32; 77Eps UMa ; 1.76; 11000;occ; 96; 0;46204
 13; 4088.1; 31-DEC-2010 16:43:16; Bright; 46.5; 39; 85Eta UMa ; 1.85; 24000;occ; 93; 0;46204
 14; 4330.9; 31-DEC-2010 16:47:19; Bright; 43.5; 180; 27Gam Boo ; 3.04; 8000;occ; 87; 0;46204
 15; 4550.9; 31-DEC-2010 16:50:59; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;46204
 16; 4745.4; 31-DEC-2010 16:54:14; Bright; 53.0; 3; 16Alp Boo ; -0.05; 4250;occ; 106; 0;46204
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 18; 5326.8; 31-DEC-2010 17:03:55; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;46204
 19; 5738.3; 31-DEC-2010 17:10:47; Dark ; 52.5; 54; 5The Cen ; 2.06; 4500;occ; 105; 0;46204
 20; 5903.9; 31-DEC-2010 17:13:32; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;46204
 21; 6112.2; 31-DEC-2010 17:17:00; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;46205
 22; 6221.0; 31-DEC-2010 17:18:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46205
 23; 6480.3; 31-DEC-2010 17:23:08; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46205
 24; 6635.5; 31-DEC-2010 17:25:44; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46205
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 26; 6920.1; 31-DEC-2010 17:30:28; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;46205
 27; 7051.0; 31-DEC-2010 17:32:39; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;46205
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 9; 2313.9; 31-DEC-2010 17:53:56; Bright; 57.0; 151; 13Mu Gem ; 2.89; 3000;occ; 114; 0;46205
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 13; 3891.6; 31-DEC-2010 18:20:14; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;46205
 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
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 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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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
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21;	5739.5;	31-DEC-2010	20:31:16;	Dark	;	48.5;	54;	5The Cen	;	2.06;	4500;occ;	97;	0;	46206
22;	5904.9;	31-DEC-2010	20:34:01;	Dark	;	42.0;	95;	Zet Cen	;	2.55;	26000;occ;	84;	0;	46206
23;	6113.8;	31-DEC-2010	20:37:30;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;occ;	89;	0;	46207
24;	6222.7;	31-DEC-2010	20:39:19;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	46207
25;	6482.0;	31-DEC-2010	20:43:38;	Dark	;	46.5;	113;	Mu Vel	;	2.69;	5000;occ;	93;	0;	46207
26;	6636.4;	31-DEC-2010	20:46:13;	Dark	;	45.0;	71;	Iot Car	;	2.25;	7700;occ;	90;	0;	46207
27;	6750.2;	31-DEC-2010	20:48:07;	Dark	;	42.5;	46;	Del Vel	;	1.95;	10600;occ;	85;	0;	46207
28;	6921.0;	31-DEC-2010	20:50:57;	Dark	;	48.0;	34;	Gam2Vel	;	1.79;	23000;occ;	96;	0;	46207
29;	7051.8;	31-DEC-2010	20:53:08;	Dark	;	23.5;	70;	Zet Pup	;	2.25;	39000;occ;	47;	0;	46207