

GOMOS Daily Report 07-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	14DEC2010 15:56:27
Data source version	GOMOS/5.01
Start time of products	07DEC2010 00:03:58
Stop time of products	07DEC2010 23:56:00
Store outputs in DB	No
Nb of level 1b prods	145
Nb of prods with errors	1

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

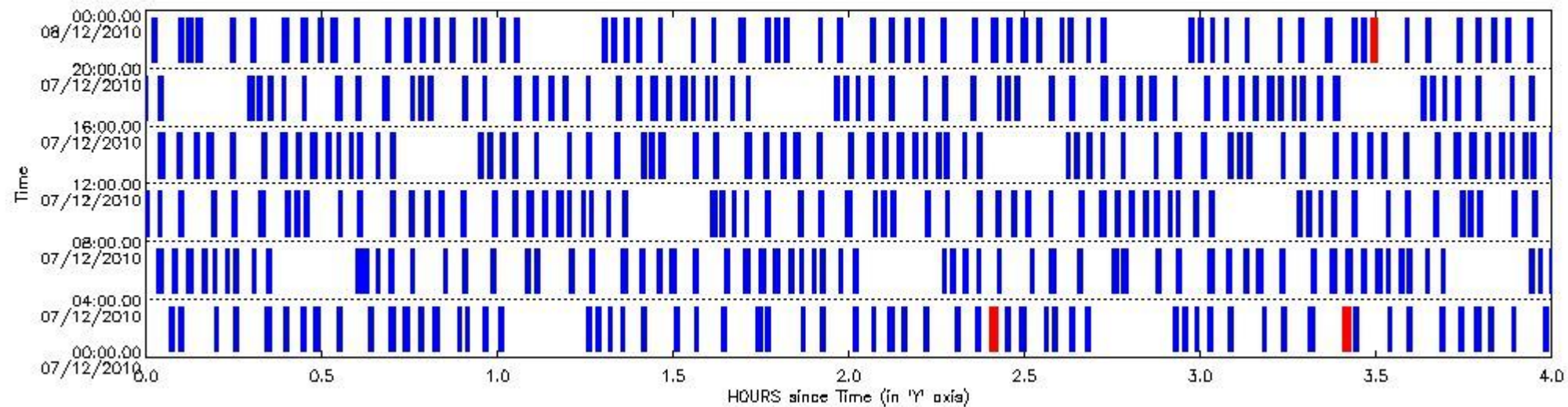
2.1 Level 0 products arrived in PCF (see template [here](#))

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
07-DEC-2010 02:24:06	46EpsOri	30	45851
07-DEC-2010 03:24:24	4GamCrv	100	45851
07-DEC-2010 23:29:01	2EpsCrv	171	45863

2.4 Summary of processed GOM_TRA_1P products

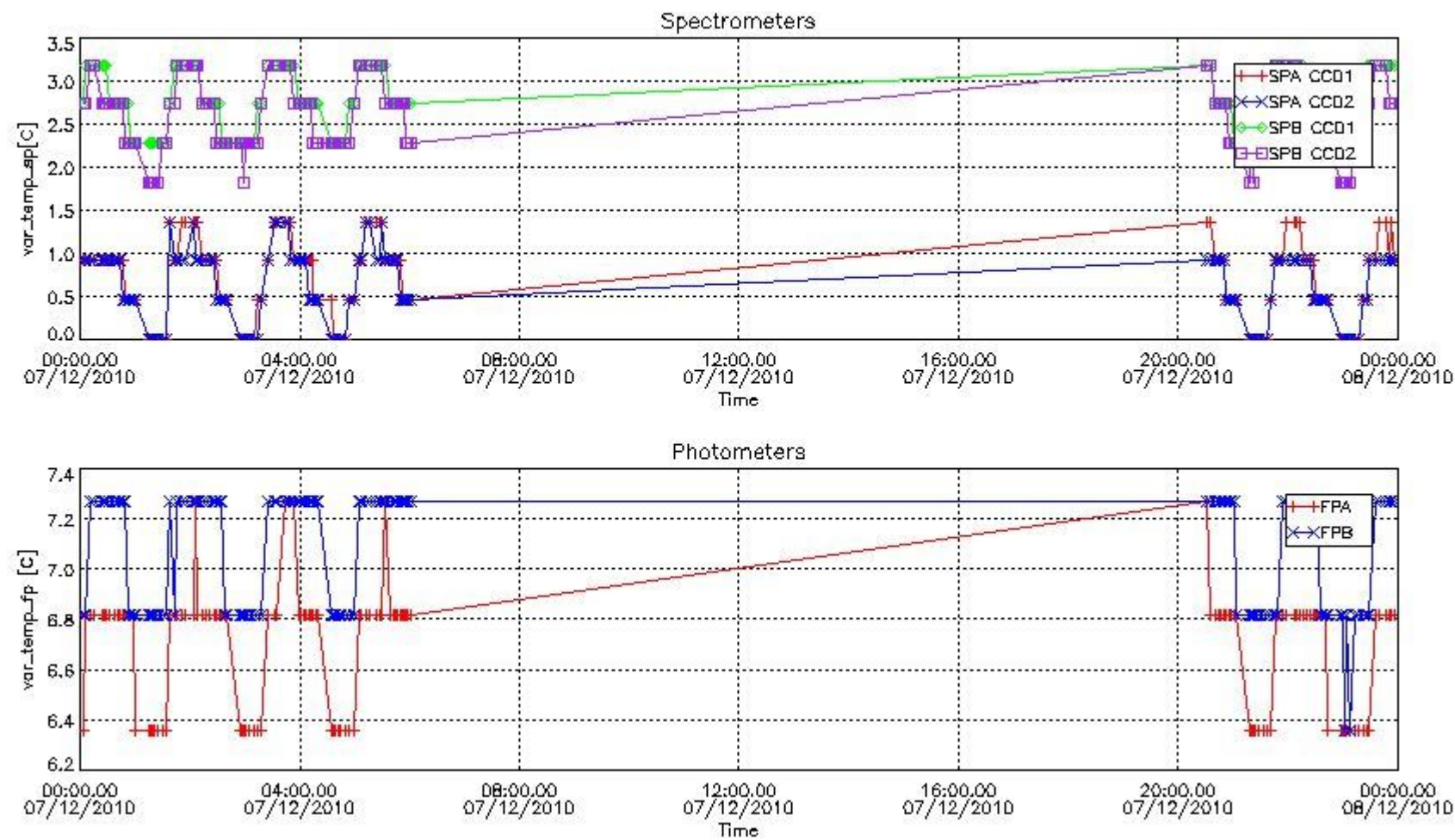
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20101207_000358_000000513097_00145_45849_4592.N1	07-DEC-2010 00:03:58	Dark	50.500	100	4Gam Crv	2.5800	13100.	101	45849	No
2	GOM_TRA_1PNPDE20101207_000534_000000503097_00145_45849_4593.N1	07-DEC-2010 00:05:34	Dark	50.000	171	2Eps Crv	3.0010	4250.0	100	45849	No
3	GOM_TRA_1PNPDE20101207_001133_000000423097_00145_45849_4594.N1	07-DEC-2010 00:11:33	Dark	41.500	99	Del Cen	2.5750	26000.	83	45849	No
4	GOM_TRA_1PNPDE20101207_001454_000000443097_00146_45850_4595.N1	07-DEC-2010 00:14:54	Dark	43.500	113	Mu Vel	2.6920	5000.0	87	45850	No
5	GOM_TRA_1PNPDE20101207_002332_000000483097_00146_45850_4596.N1	07-DEC-2010 00:23:32	Dark	47.500	34	Gam2Vel	1.7930	23000.	95	45850	No
6	GOM_TRA_1PNPDE20101207_002624_000000523097_00146_45850_4597.N1	07-DEC-2010 00:26:24	Dark	51.500	2	Alp Car	-0.73600	7000.0	103	45850	No
7	GOM_TRA_1PNPDE20101207_002838_000000583097_00146_45850_4598.N1	07-DEC-2010 00:28:38	Dark	58.000	117	Pi Pup	2.7060	3800.0	116	45850	No
8	GOM_TRA_1PNPDE20101207_003238_000000443097_00146_45850_4599.N1	07-DEC-2010 00:32:38	Dark	44.000	108	Alp Col	2.6520	15200.	88	45850	No

9	GOM_TRA_1PNPDE20101207_003759_000000513097_00146_45850_4600.N1	07-DEC-2010 00:37:59	Straylight	50.500	101	11Alp Lep	2.5820	7000.0	101	45850	No
10	GOM_TRA_1PNPDE20101207_004119_000000633097_00146_45850_4601.N1	07-DEC-2010 00:41:19	Straylight	63.000	7	19Bet Ori	0.10000	14000.	126	45850	No
11	GOM_TRA_1PNPDE20101207_004356_000000563097_00146_45850_4602.N1	07-DEC-2010 00:43:56	Straylight	56.000	30	46Eps Ori	1.6940	30000.	112	45850	No
12	GOM_TRA_1PNPDE20101207_004628_000000573097_00146_45850_4603.N1	07-DEC-2010 00:46:28	Twilight_and_stray	57.000	27	24Gam Ori	1.6360	26000.	114	45850	No
13	GOM_TRA_1PNPDE20101207_004858_000000543097_00146_45850_4604.N1	07-DEC-2010 00:48:58	Bright	54.000	13	87Alp Tau	0.86700	3800.0	108	45850	No
14	GOM_TRA_1PNPDE20101207_005305_000000353097_00146_45850_4605.N1	07-DEC-2010 00:53:05	Bright	35.000	150	44Zet Per	2.8900	28000.	70	45850	No
15	GOM_TRA_1PNPDE20101207_005428_000000443097_00146_45850_4606.N1	07-DEC-2010 00:54:28	Bright	43.500	114	3lot Aur	2.6930	4600.0	87	45850	No
16	GOM_TRA_1PNPDE20101207_005733_000000373097_00146_45850_4607.N1	07-DEC-2010 00:57:33	Bright	36.500	175	39Del Per	3.0100	19400.	73	45850	No
17	GOM_TRA_1PNPDE20101207_010009_000000483097_00146_45850_4608.N1	07-DEC-2010 01:00:09	Bright	48.000	42	34Bet Aur	1.9000	10200.	96	45850	No
18	GOM_TRA_1PNPDE20101207_011512_000000473097_00146_45850_4609.N1	07-DEC-2010 01:15:12	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	45850	No
19	GOM_TRA_1PNPDE20101207_011644_000000483097_00146_45850_4610.N1	07-DEC-2010 01:16:44	Bright	48.000	82	48Bet UMa	2.3650	10600.	96	45850	No
20	GOM_TRA_1PNPDE20101207_011848_000000423097_00146_45850_4611.N1	07-DEC-2010 01:18:48	Bright	41.500	32	77Eps UMa	1.7630	11000.	83	45850	No
21	GOM_TRA_1PNPDE20101207_012103_000000373097_00146_45850_4612.N1	07-DEC-2010 01:21:03	Bright	37.000	39	85Eta UMa	1.8540	24000.	74	45850	No
22	GOM_TRA_1PNPDE20101207_012434_000000413097_00146_45850_4613.N1	07-DEC-2010 01:24:34	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	45850	No
23	GOM_TRA_1PNPDE20101207_013015_000000383097_00146_45850_4614.N1	07-DEC-2010 01:30:15	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	45850	No
24	GOM_TRA_1PNPDE20101207_013335_000000433097_00146_45850_4615.N1	07-DEC-2010 01:33:35	Bright	43.000	138	47Eps Vir	2.8280	4700.0	86	45850	No
25	GOM_TRA_1PNPDE20101207_013815_000000513097_00146_45850_4618.N1	07-DEC-2010 01:38:15	Bright	51.000	121	29Gam Vir	2.7400	7200.0	102	45850	Yes
26	GOM_TRA_1PNPDE20101207_014413_000000513097_00146_45850_4619.N1	07-DEC-2010 01:44:13	Dark	50.500	100	4Gam Crv	2.5800	13100.	101	45850	No
27	GOM_TRA_1PNPDE20101207_014549_000000493097_00146_45850_4620.N1	07-DEC-2010 01:45:49	Dark	49.000	171	2Eps Crv	3.0010	4250.0	98	45850	No
28	GOM_TRA_1PNPDE20101207_015148_000000413097_00146_45850_4621.N1	07-DEC-2010 01:51:48	Dark	41.000	99	Del Cen	2.5750	26000.	82	45850	No
29	GOM_TRA_1PNPDE20101207_015509_000000453097_00147_45851_4622.N1	07-DEC-2010 01:55:09	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	45851	No
30	GOM_TRA_1PNPDE20101207_020347_000000473097_00147_45851_4623.N1	07-DEC-2010 02:03:47	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	45851	No
31	GOM_TRA_1PNPDE20101207_020638_000000553097_00147_45851_4624.N1	07-DEC-2010 02:06:38	Dark	54.500	2	Alp Car	-0.73600	7000.0	109	45851	No
32	GOM_TRA_1PNPDE20101207_020853_000000593097_00147_45851_4625.N1	07-DEC-2010 02:08:53	Dark	59.000	117	Pi Pup	2.7060	3800.0	118	45851	No
33	GOM_TRA_1PNPDE20101207_021253_000000433097_00147_45851_4626.N1	07-DEC-2010 02:12:53	Dark	43.000	108	Alp Col	2.6520	15200.	86	45851	No
34	GOM_TRA_1PNPDE20101207_021813_000000493097_00147_45851_4627.N1	07-DEC-2010 02:18:13	Straylight	49.000	101	11Alp Lep	2.5820	7000.0	98	45851	No
35	GOM_TRA_1PNPDE20101207_022133_000000593097_00147_45851_4628.N1	07-DEC-2010 02:21:33	Straylight	58.500	7	19Bet Ori	0.10000	14000.	117	45851	No
36	GOM_TRA_1PNPDE20101207_022642_000000563097_00147_45851_4629.N1	07-DEC-2010 02:26:42	Twilight_and_stray	55.500	27	24Gam Ori	1.6360	26000.	111	45851	No
37	GOM_TRA_1PNPDE20101207_022911_000000593097_00147_45851_4630.N1	07-DEC-2010 02:29:11	Bright	59.000	13	87Alp Tau	0.86700	3800.0	118	45851	No
38	GOM_TRA_1PNPDE20101207_023319_000000383097_00147_45851_4631.N1	07-DEC-2010 02:33:19	Bright	37.500	150	44Zet Per	2.8900	28000.	75	45851	No
39	GOM_TRA_1PNPDE20101207_023442_000000433097_00147_45851_4632.N1	07-DEC-2010 02:34:42	Bright	42.500	114	3lot Aur	2.6930	4600.0	85	45851	No
40	GOM_TRA_1PNPDE20101207_023747_000000363097_00147_45851_4633.N1	07-DEC-2010 02:37:47	Bright	36.000	175	39Del Per	3.0100	19400.	72	45851	No
41	GOM_TRA_1PNPDE20101207_024022_000000473097_00147_45851_4634.N1	07-DEC-2010 02:40:22	Bright	46.500	42	34Bet Aur	1.9000	10200.	93	45851	No
42	GOM_TRA_1PNPDE20101207_025525_000000473097_00147_45851_4659.N1	07-DEC-2010 02:55:25	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	45851	No
43	GOM_TRA_1PNPDE20101207_025658_000000503097_00147_45851_4660.N1	07-DEC-2010 02:56:58	Bright	49.500	82	48Bet UMa	2.3650	10600.	99	45851	No
44	GOM_TRA_1PNPDE20101207_025902_000000423097_00147_45851_4661.N1	07-DEC-2010 02:59:02	Bright	41.500	32	77Eps UMa	1.7630	11000.	83	45851	No
45	GOM_TRA_1PNPDE20101207_030118_000000393097_00147_45851_4662.N1	07-DEC-2010 03:01:18	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	45851	No
46	GOM_TRA_1PNPDE20101207_030448_000000403097_00147_45851_4663.N1	07-DEC-2010 03:04:48	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	45851	No
47	GOM_TRA_1PNPDE20101207_031029_000000373097_00147_45851_4664.N1	07-DEC-2010 03:10:29	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	45851	No
48	GOM_TRA_1PNPDE20101207_031350_000000443097_00147_45851_4665.N1	07-DEC-2010 03:13:50	Bright	43.500	138	47Eps Vir	2.8280	4700.0	87	45851	No
49	GOM_TRA_1PNPDE20101207_031829_000000523097_00147_45851_4666.N1	07-DEC-2010 03:18:29	Bright	52.000	121	29Gam Vir	2.7400	7200.0	104	45851	No
50	GOM_TRA_1PNPDE20101207_032605_000000543097_00147_45851_4667.N1	07-DEC-2010 03:26:05	Dark	54.000	171	2Eps Crv	3.0010	4250.0	108	45851	No
51	GOM_TRA_1PNPDE20101207_033203_000000403097_00147_45851_4668.N1	07-DEC-2010 03:32:03	Dark	40.000	99	Del Cen	2.5750	26000.	80	45851	No
52	GOM_TRA_1PNPDE20101207_033523_000000453097_00148_45852_4669.N1	07-DEC-2010 03:35:23	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	45852	No
53	GOM_TRA_1PNPDE20101207_034402_000000483097_00148_45852_4670.N1	07-DEC-2010 03:44:02	Dark	47.500	34	Gam2Vel	1.7930	23000.	95	45852	No
54	GOM_TRA_1PNPDE20101207_034653_000000573097_00148_45852_4671.N1	07-DEC-2010 03:46:53	Dark	57.000	2	Alp Car	-0.73600	7000.0	114	45852	No
55	GOM_TRA_1PNPDE20101207_034908_000000563097_00148_45852_4672.N1	07-DEC-2010 03:49:08	Dark	56.000	117	Pi Pup	2.7060	3800.0	112	45852	No
56	GOM_TRA_1PNPDE20101207_035307_000000463097_00148_45852_4673.N1	07-DEC-2010 03:53:07	Dark	45.500	108	Alp Col	2.6520	15200.	91	45852	No
57	GOM_TRA_1PNPDE20101207_035828_000000513097_00148_45852_4674.N1	07-DEC-2010 03:58:28	Straylight	51.000	101	11Alp Lep	2.5820	7000.0	102	45852	No
58	GOM_TRA_1PNPDE20101207_040147_000000553097_00148_45852_4675.N1	07-DEC-2010 04:01:47	Straylight	55.000	7	19Bet Ori	0.10000	14000.	110	45852	No
59	GOM_TRA_1PNPDE20101207_040424_000000543097_00148_45852_4676.N1	07-DEC-2010 04:04:24	Straylight	53.500	30	46Eps Ori	1.6940	30000.	107	45852	No
60	GOM_TRA_1PNPDE20101207_040656_000000543097_00148_45852_4677.N1	07-DEC-2010 04:06:56	Twilight_and_stray	54.000	27	24Gam Ori	1.6360	26000.	108	45852	No
61	GOM_TRA_1PNPDE20101207_040926_000000593097_00148_45852_4678.N1	07-DEC-2010 04:09:26	Bright	58.500	13	87Alp Tau	0.86700	3800.0	117	45852	No
62	GOM_TRA_1PNPDE20101207_041117_000000383097_00148_45852_4679.N1	07-DEC-2010 04:11:17	Bright	38.000	146	25Eta Tau	2.8730	15200.	76	45852	No
63	GOM_TRA_1PNPDE20101207_041333_000000373097_00148_45852_4680.N1	07-DEC-2010 04:13:33	Bright	37.000	150	44Zet Per	2.8900	28000.	74	45852	No
64	GOM_TRA_1PNPDE20101207_041456_000000433097_00148_45852_4681.N1	07-DEC-2010 04:14:56	Bright	43.000	114	3lot Aur	2.6930	4600.0	86	45852	No
65	GOM_TRA_1PNPDE20101207_041801_000000363097_00148_45852_4682.N1	07-DEC-2010 04:18:01	Bright	36.000	175	39Del Per	3.0100	19400.	72	45852	No
66	GOM_TRA_1PNPDE20101207_042036_000000493097_00148_45852_4683.N1	07-DEC-2010 04:20:36	Bright	48.500	42	34Bet Aur	1.9000	10200.	97	45852	No
67	GOM_TRA_1PNPDE20101207_043539_000000663097_00148_45852_4681.N1	07-DEC-2010 04:35:39	Bright	66.000	36	50Alp UMa	1.8000	6300.0	132	45852	No

68	GOM_TRA_1PNPDE20101207_043712_000000473097_00148_45852_4682.N1	07-DEC-2010 04:37:12	Bright	46.500	82	48Bet UMa	2.3650	10600.	93	45852	No
69	GOM_TRA_1PNPDE20101207_043916_000000383097_00148_45852_4683.N1	07-DEC-2010 04:39:16	Bright	38.000	32	77Eps UMa	1.7630	11000.	76	45852	No
70	GOM_TRA_1PNPDE20101207_044132_000000353097_00148_45852_4684.N1	07-DEC-2010 04:41:32	Bright	35.000	39	85Eta UMa	1.8540	24000.	70	45852	No
71	GOM_TRA_1PNPDE20101207_044502_000000423097_00148_45852_4685.N1	07-DEC-2010 04:45:02	Bright	41.500	152	12Alp2CVn	2.8900	11000.	83	45852	No
72	GOM_TRA_1PNPDE20101207_045044_000000363097_00148_45852_4686.N1	07-DEC-2010 04:50:44	Bright	36.000	111	8Eta Boo	2.6800	6000.0	72	45852	No
73	GOM_TRA_1PNPDE20101207_045405_000000453097_00148_45852_4687.N1	07-DEC-2010 04:54:05	Bright	44.500	138	47Eps Vir	2.8280	4700.0	89	45852	No
74	GOM_TRA_1PNPDE20101207_045844_000000553097_00148_45852_4688.N1	07-DEC-2010 04:58:44	Bright	55.000	121	29Gam Vir	2.7400	7200.0	110	45852	No
75	GOM_TRA_1PNPDE20101207_050443_000000523097_00148_45852_4689.N1	07-DEC-2010 05:04:43	Dark	52.000	100	4Gam Crv	2.5800	13100.	104	45852	No
76	GOM_TRA_1PNPDE20101207_050620_000000533097_00148_45852_4690.N1	07-DEC-2010 05:06:20	Dark	52.500	171	2Eps Crv	3.0010	4250.0	105	45852	No
77	GOM_TRA_1PNPDE20101207_051217_000000393097_00148_45852_4691.N1	07-DEC-2010 05:12:17	Dark	39.000	99	Del Cen	2.5750	26000.	78	45852	No
78	GOM_TRA_1PNPDE20101207_051539_000000443097_00149_45853_4692.N1	07-DEC-2010 05:15:39	Dark	44.000	113	Mu Vel	2.6920	5000.0	88	45853	No
79	GOM_TRA_1PNPDE20101207_052417_000000523097_00149_45853_4693.N1	07-DEC-2010 05:24:17	Dark	51.500	34	Gam2Vel	1.7930	23000.	103	45853	No
80	GOM_TRA_1PNPDE20101207_052708_000000473097_00149_45853_4694.N1	07-DEC-2010 05:27:08	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	45853	No
81	GOM_TRA_1PNPDE20101207_052923_000000583097_00149_45853_4695.N1	07-DEC-2010 05:29:23	Dark	58.000	117	Pi Pup	2.7060	3800.0	116	45853	No
82	GOM_TRA_1PNPDE20101207_053321_000000443097_00149_45853_4696.N1	07-DEC-2010 05:33:21	Dark	43.500	108	Alp Col	2.6520	15200.	87	45853	No
83	GOM_TRA_1PNPDE20101207_053842_000000503097_00149_45853_4697.N1	07-DEC-2010 05:38:42	Straylight	49.500	101	11Alp Lep	2.5820	7000.0	99	45853	No
84	GOM_TRA_1PNPDE20101207_054201_000000553097_00149_45853_4698.N1	07-DEC-2010 05:42:01	Straylight	55.000	7	19Bet Ori	0.10000	14000.	110	45853	No
85	GOM_TRA_1PNPDE20101207_054438_000000573097_00149_45853_4699.N1	07-DEC-2010 05:44:38	Straylight	57.000	30	46Eps Ori	1.6940	30000.	114	45853	No
86	GOM_TRA_1PNPDE20101207_054710_000000563097_00149_45853_4700.N1	07-DEC-2010 05:47:10	Tw_i_and_stray	55.500	27	24Gam Ori	1.6360	26000.	111	45853	No
87	GOM_TRA_1PNPDE20101207_054940_000000593097_00149_45853_4701.N1	07-DEC-2010 05:49:40	Bright	59.000	13	87Alp Tau	0.86700	3800.0	118	45853	No
88	GOM_TRA_1PNPDE20101207_055132_000000383097_00149_45853_4702.N1	07-DEC-2010 05:51:32	Bright	37.500	146	25Eta Tau	2.8730	15200.	75	45853	No
89	GOM_TRA_1PNPDE20101207_055347_000000383097_00149_45853_4703.N1	07-DEC-2010 05:53:47	Bright	37.500	150	44Zet Per	2.8900	28000.	75	45853	No
90	GOM_TRA_1PNPDE20101207_055509_000000423097_00149_45853_4704.N1	07-DEC-2010 05:55:09	Bright	42.000	114	3lot Aur	2.6930	4600.0	84	45853	No
91	GOM_TRA_1PNPDE20101207_055815_000000373097_00149_45853_4705.N1	07-DEC-2010 05:58:15	Bright	36.500	175	39Del Per	3.0100	19400.	73	45853	No
92	GOM_TRA_1PNPDE20101207_060049_000000473097_00149_45853_4706.N1	07-DEC-2010 06:00:49	Bright	47.000	42	34Bet Aur	1.9000	10200.	94	45853	No
93	GOM_TRA_1PNPDE20101207_203136_000000573097_00158_45862_4829.N1	07-DEC-2010 20:31:36	Dark	57.000	117	Pi Pup	2.7060	3800.0	114	45862	No
94	GOM_TRA_1PNPDE20101207_203531_000000463097_00158_45862_4830.N1	07-DEC-2010 20:35:31	Dark	46.000	108	Alp Col	2.6520	15200.	92	45862	No
95	GOM_TRA_1PNPDE20101207_204049_000000493097_00158_45862_4831.N1	07-DEC-2010 20:40:49	Straylight	49.000	101	11Alp Lep	2.5820	7000.0	98	45862	No
96	GOM_TRA_1PNPDE20101207_204407_000000533097_00158_45862_4832.N1	07-DEC-2010 20:44:07	Straylight	55.000	7	19Bet Ori	0.10000	14000.	110	45862	No
97	GOM_TRA_1PNPDE20101207_204642_000000523097_00158_45862_4833.N1	07-DEC-2010 20:46:42	Straylight	52.000	30	46Eps Ori	1.6940	30000.	104	45862	No
98	GOM_TRA_1PNPDE20101207_204913_000000543097_00158_45862_4834.N1	07-DEC-2010 20:49:13	Tw_i_and_stray	54.000	27	24Gam Ori	1.6360	26000.	108	45862	No
99	GOM_TRA_1PNPDE20101207_205144_000000583097_00158_45862_4835.N1	07-DEC-2010 20:51:44	Bright	58.000	13	87Alp Tau	0.86700	3800.0	116	45862	No
100	GOM_TRA_1PNPDE20101207_205552_000000393097_00158_45862_4836.N1	07-DEC-2010 20:55:52	Bright	38.500	150	44Zet Per	2.8900	28000.	77	45862	No
101	GOM_TRA_1PNPDE20101207_205712_000000433097_00158_45862_4837.N1	07-DEC-2010 20:57:12	Bright	43.000	114	3lot Aur	2.6930	4600.0	86	45862	No
102	GOM_TRA_1PNPDE20101207_210021_000000543097_00158_45862_4838.N1	07-DEC-2010 21:00:21	Bright	54.000	175	39Del Per	3.0100	19400.	108	45862	No
103	GOM_TRA_1PNPDE20101207_210248_000000483097_00158_45862_4839.N1	07-DEC-2010 21:02:48	Bright	47.500	42	34Bet Aur	1.9000	10200.	95	45862	No
104	GOM_TRA_1PNPDE20101207_211755_000000473097_00158_45862_4840.N1	07-DEC-2010 21:17:55	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	45862	No
105	GOM_TRA_1PNPDE20101207_211927_000000493097_00158_45862_4841.N1	07-DEC-2010 21:19:27	Bright	49.000	82	48Bet UMa	2.3650	10600.	98	45862	No
106	GOM_TRA_1PNPDE20101207_212135_000000423097_00158_45862_4842.N1	07-DEC-2010 21:21:35	Bright	41.500	32	77Eps UMa	1.7630	11000.	83	45862	No
107	GOM_TRA_1PNPDE20101207_212352_000000393097_00158_45862_4843.N1	07-DEC-2010 21:23:52	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	45862	No
108	GOM_TRA_1PNPDE20101207_212723_000000403097_00158_45862_4844.N1	07-DEC-2010 21:27:23	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	45862	No
109	GOM_TRA_1PNPDE20101207_213306_000000363097_00158_45862_4845.N1	07-DEC-2010 21:33:06	Bright	36.000	111	8Eta Boo	2.6800	6000.0	72	45862	No
110	GOM_TRA_1PNPDE20101207_213630_000000453097_00158_45862_4846.N1	07-DEC-2010 21:36:30	Bright	45.000	138	47Eps Vir	2.8280	4700.0	90	45862	No
111	GOM_TRA_1PNPDE20101207_214112_000000553097_00158_45862_4844.N1	07-DEC-2010 21:41:12	Tw_i_and_stray	54.500	121	29Gam Vir	2.7400	7200.0	109	45862	No
112	GOM_TRA_1PNPDE20101207_214547_000000443097_00158_45862_4845.N1	07-DEC-2010 21:45:47	Tw_i_and_stray	43.500	169	46Gam Hya	2.9910	4700.0	87	45862	No
113	GOM_TRA_1PNPDE20101207_214714_000000533097_00158_45862_4846.N1	07-DEC-2010 21:47:14	Dark	52.500	100	4Gam Crv	2.5800	13100.	105	45862	No
114	GOM_TRA_1PNPDE20101207_214850_000000543097_00158_45862_4847.N1	07-DEC-2010 21:48:50	Dark	53.500	171	2Eps Crv	3.0010	4250.0	107	45862	No
115	GOM_TRA_1PNPDE20101207_215444_000000403097_00158_45862_4848.N1	07-DEC-2010 21:54:44	Dark	40.000	99	Del Cen	2.5750	26000.	80	45862	No
116	GOM_TRA_1PNPDE20101207_215807_000000463097_00159_45863_4849.N1	07-DEC-2010 21:58:07	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	45863	No
117	GOM_TRA_1PNPDE20101207_220645_000000493097_00159_45863_4850.N1	07-DEC-2010 22:06:45	Dark	49.000	34	Gam2Vel	1.7930	23000.	98	45863	No
118	GOM_TRA_1PNPDE20101207_220932_000000473097_00159_45863_4851.N1	07-DEC-2010 22:09:32	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	45863	No
119	GOM_TRA_1PNPDE20101207_221150_000000593097_00159_45863_4852.N1	07-DEC-2010 22:11:50	Dark	59.000	117	Pi Pup	2.7060	3800.0	118	45863	No
120	GOM_TRA_1PNPDE20101207_221545_000000443097_00159_45863_4853.N1	07-DEC-2010 22:15:45	Dark	43.500	108	Alp Col	2.6520	15200.	87	45863	No
121	GOM_TRA_1PNPDE20101207_222103_000000483097_00159_45863_4854.N1	07-DEC-2010 22:21:03	Straylight	48.000	101	11Alp Lep	2.5820	7000.0	96	45863	No
122	GOM_TRA_1PNPDE20101207_222422_000000563097_00159_45863_4855.N1	07-DEC-2010 22:24:22	Straylight	55.500	7	19Bet Ori	0.10000	14000.	111	45863	No
123	GOM_TRA_1PNPDE20101207_222656_000000543097_00159_45863_4856.N1	07-DEC-2010 22:26:56	Straylight	53.500	30	46Eps Ori	1.6940	30000.	107	45863	No
124	GOM_TRA_1PNPDE20101207_222927_000000563097_00159_45863_4857.N1	07-DEC-2010 22:29:27	Tw_i_and_stray	55.500	27	24Gam Ori	1.6360	26000.	111	45863	No
125	GOM_TRA_1PNPDE20101207_223158_000000583097_00159_45863_4858.N1	07-DEC-2010 22:31:58	Bright	58.000	13	87Alp Tau	0.86700	3800.0	116	45863	No
126	GOM_TRA_1PNPDE20101207_223606_000000373097_00159_45863_4859.N1	07-DEC-2010 22:36:06	Bright	36.500	150	44Zet Per	2.8900	28000.	73	45863	No

127	GOM_TRA_1PNPDE20101207_223725_000000433097_00159_45863_4860.N1	07-DEC-2010 22:37:25	Bright	43.000	114	3lot Aur	2.6930	4600.0	86	45863	No
128	GOM_TRA_1PNPDE20101207_224034_000000353097_00159_45863_4861.N1	07-DEC-2010 22:40:34	Bright	34.500	175	39Del Per	3.0100	19400.	69	45863	No
129	GOM_TRA_1PNPDE20101207_224301_000000463097_00159_45863_4862.N1	07-DEC-2010 22:43:01	Bright	45.500	42	34Bet Aur	1.9000	10200.	91	45863	No
130	GOM_TRA_1PNPDE20101207_225809_000000443097_00159_45863_4863.N1	07-DEC-2010 22:58:09	Bright	44.000	36	50Alp UMa	1.8000	6300.0	88	45863	No
131	GOM_TRA_1PNPDE20101207_225941_000000483097_00159_45863_4864.N1	07-DEC-2010 22:59:41	Bright	48.000	82	48Bet UMa	2.3650	10600.	96	45863	No
132	GOM_TRA_1PNPDE20101207_230149_000000383097_00159_45863_4865.N1	07-DEC-2010 23:01:49	Bright	37.500	32	77Eps UMa	1.7630	11000.	75	45863	No
133	GOM_TRA_1PNPDE20101207_230406_000000363097_00159_45863_4866.N1	07-DEC-2010 23:04:06	Bright	35.500	39	85Eta UMa	1.8540	24000.	71	45863	No
134	GOM_TRA_1PNPDE20101207_230737_000000423097_00159_45863_4867.N1	07-DEC-2010 23:07:37	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	45863	No
135	GOM_TRA_1PNPDE20101207_231321_000000373097_00159_45863_4868.N1	07-DEC-2010 23:13:21	Bright	36.500	111	8Eta Boo	2.6800	6000.0	73	45863	No
136	GOM_TRA_1PNPDE20101207_231644_000000463097_00159_45863_4869.N1	07-DEC-2010 23:16:44	Bright	46.000	138	47Eps Vir	2.8280	4700.0	92	45863	No
137	GOM_TRA_1PNPDE20101207_232127_000000523097_00159_45863_4870.N1	07-DEC-2010 23:21:27	Twilight_stray	52.000	121	29Gam Vir	2.7400	7200.0	104	45863	No
138	GOM_TRA_1PNPDE20101207_232601_000000463097_00159_45863_4868.N1	07-DEC-2010 23:26:01	Twilight_stray	45.500	169	46Gam Hya	2.9910	4700.0	91	45863	No
139	GOM_TRA_1PNPDE20101207_232729_000000543097_00159_45863_4869.N1	07-DEC-2010 23:27:29	Dark	54.000	100	4Gam Crv	2.5800	13100.	108	45863	No
140	GOM_TRA_1PNPDE20101207_233458_000000423097_00159_45863_4870.N1	07-DEC-2010 23:34:58	Dark	42.000	99	Del Cen	2.5750	26000.	84	45863	No
141	GOM_TRA_1PNPDE20101207_233822_000000553097_00160_45864_4871.N1	07-DEC-2010 23:38:22	Dark	54.500	113	Mu Vel	2.6920	5000.0	109	45864	No
142	GOM_TRA_1PNPDE20101207_234700_000000523097_00160_45864_4872.N1	07-DEC-2010 23:47:00	Dark	51.500	34	Gam2Vel	1.7930	23000.	103	45864	No
143	GOM_TRA_1PNPDE20101207_234947_000000503097_00160_45864_4873.N1	07-DEC-2010 23:49:47	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	45864	No
144	GOM_TRA_1PNPDE20101207_235205_000000553097_00160_45864_4874.N1	07-DEC-2010 23:52:05	Dark	55.000	117	Pi Pup	2.7060	3800.0	110	45864	No
145	GOM_TRA_1PNPDE20101207_235600_000000453097_00160_45864_4875.N1	07-DEC-2010 23:56:00	Dark	45.000	108	Alp Col	2.6520	15200.	90	45864	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

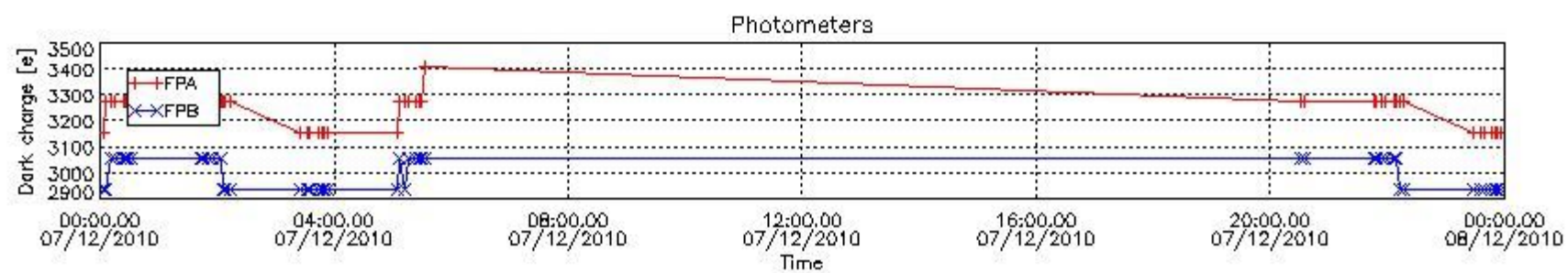
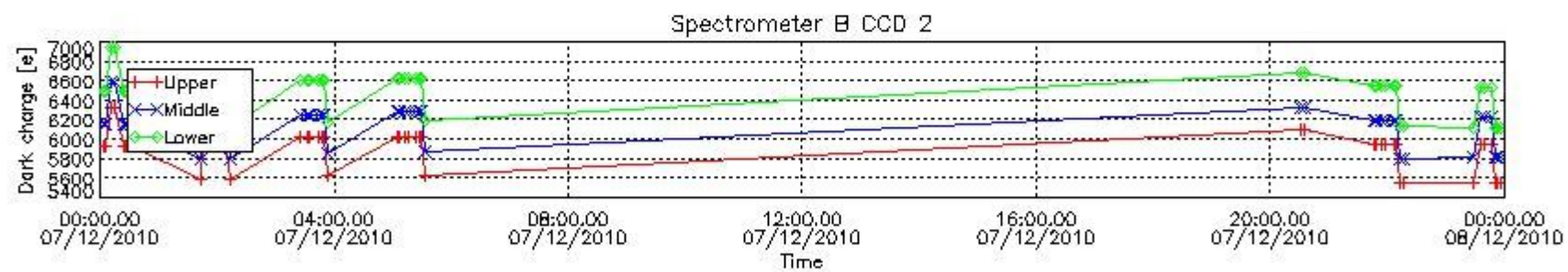
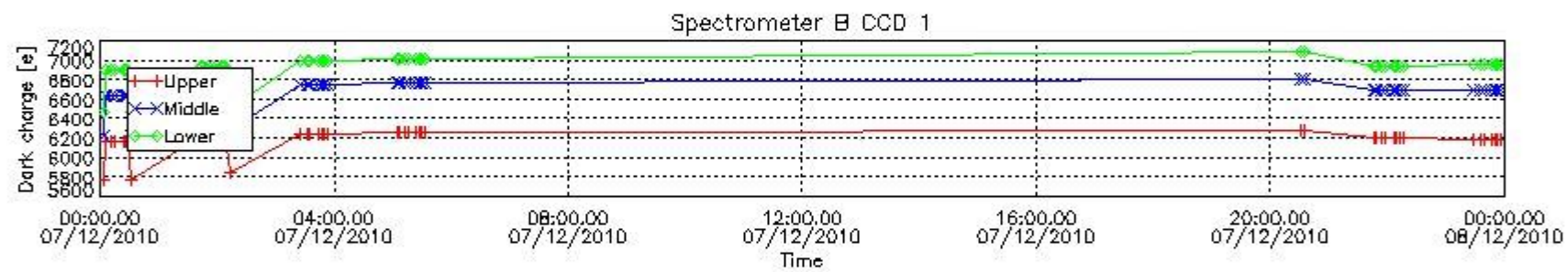
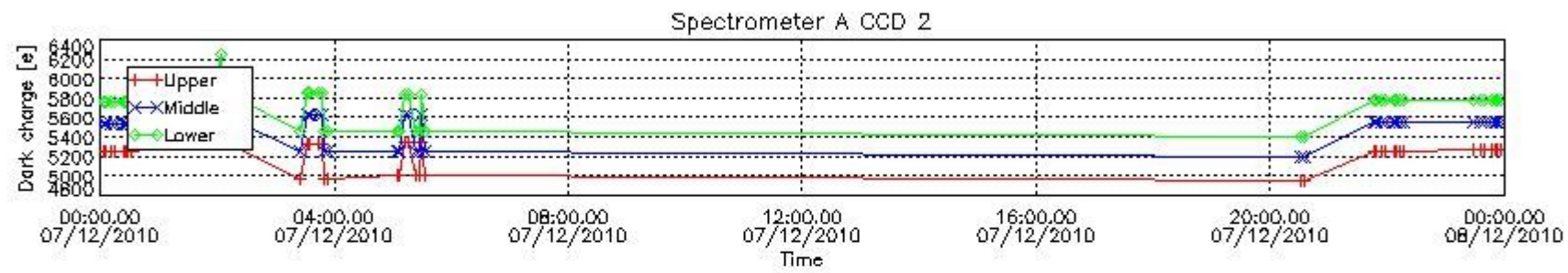
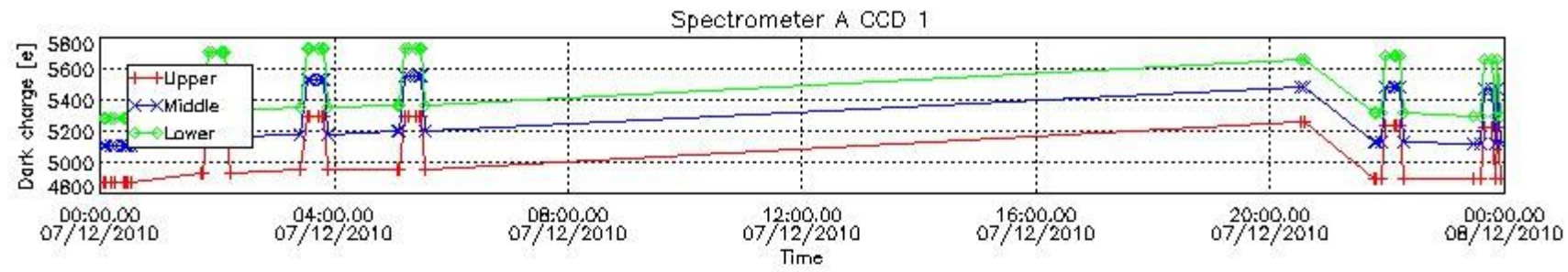
from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative 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_1PNPDE20101207_203136_000000573097_00158_45862_4829.N1	DC map used
GOM_TRA_1PNPDE20101207_203531_000000463097_00158_45862_4830.N1	DC map used
GOM_TRA_1PNPDE20101207_204049_000000493097_00158_45862_4831.N1	DC map used
GOM_TRA_1PNPDE20101207_204407_000000553097_00158_45862_4832.N1	DC map used
GOM_TRA_1PNPDE20101207_204642_000000523097_00158_45862_4833.N1	DC map used
GOM_TRA_1PNPDE20101207_204913_000000543097_00158_45862_4834.N1	DC map used
GOM_TRA_1PNPDE20101207_205144_000000583097_00158_45862_4835.N1	DC map used
GOM_TRA_1PNPDE20101207_205552_000000393097_00158_45862_4836.N1	DC map used
GOM_TRA_1PNPDE20101207_205712_000000433097_00158_45862_4837.N1	DC map used
GOM_TRA_1PNPDE20101207_210021_000000543097_00158_45862_4838.N1	DC map used
GOM_TRA_1PNPDE20101207_210248_000000483097_00158_45862_4839.N1	DC map used
GOM_TRA_1PNPDE20101207_211755_000000473097_00158_45862_4840.N1	DC map used
GOM_TRA_1PNPDE20101207_211927_000000493097_00158_45862_4841.N1	DC map used
GOM_TRA_1PNPDE20101207_212135_000000423097_00158_45862_4842.N1	DC map used
GOM_TRA_1PNPDE20101207_212352_000000393097_00158_45862_4843.N1	DC map used
GOM_TRA_1PNPDE20101207_212723_000000403097_00158_45862_4844.N1	DC map used
GOM_TRA_1PNPDE20101207_213306_000000363097_00158_45862_4845.N1	DC map used
GOM_TRA_1PNPDE20101207_213630_000000453097_00158_45862_4846.N1	DC map used

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



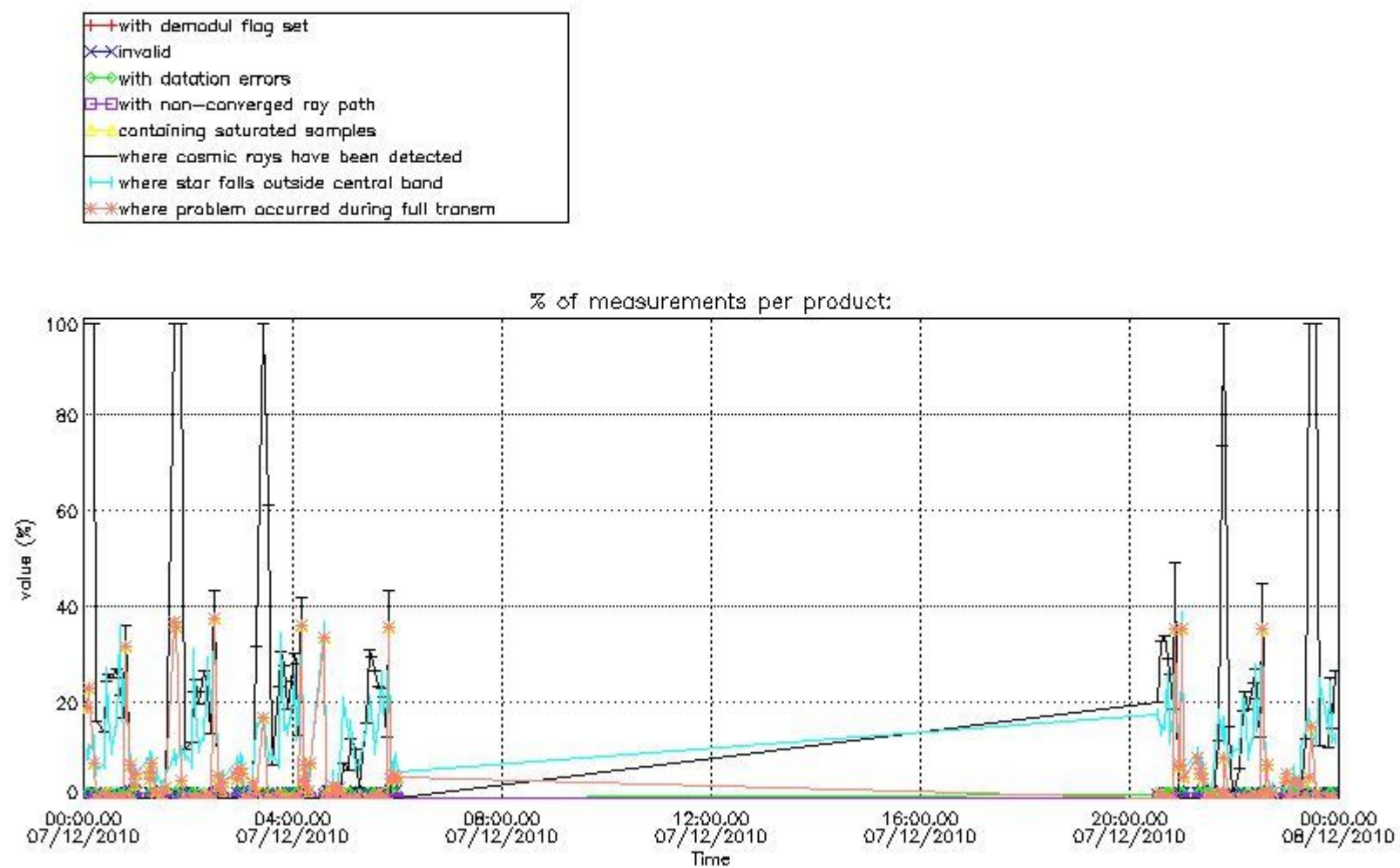
5. Demodulation flag and quality information monitoring

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.

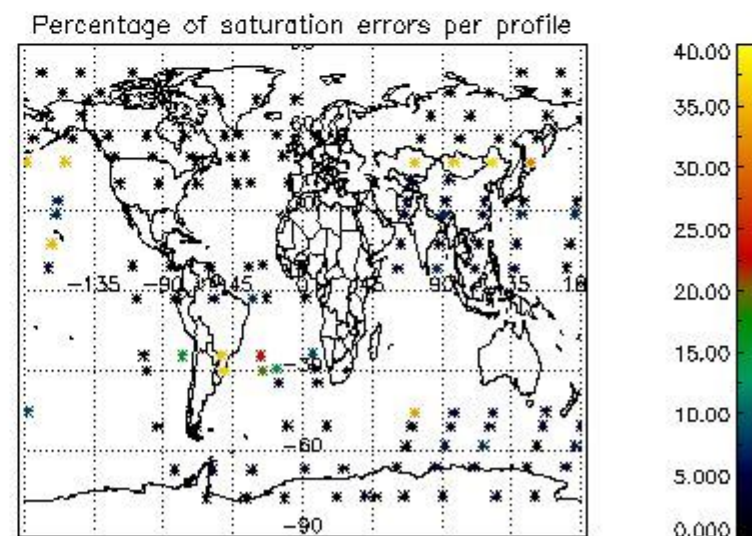
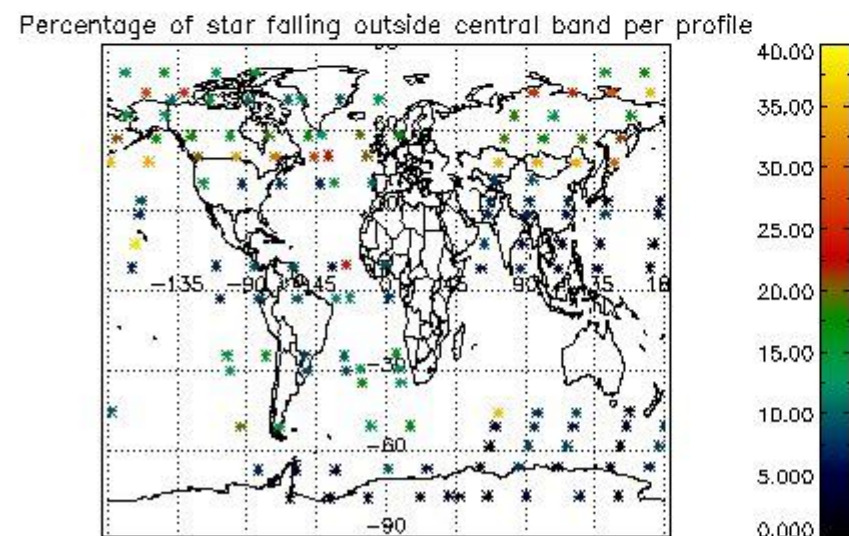
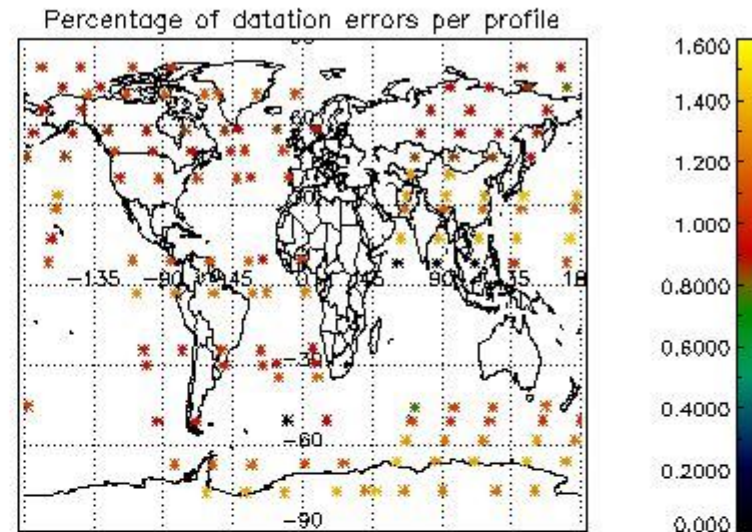
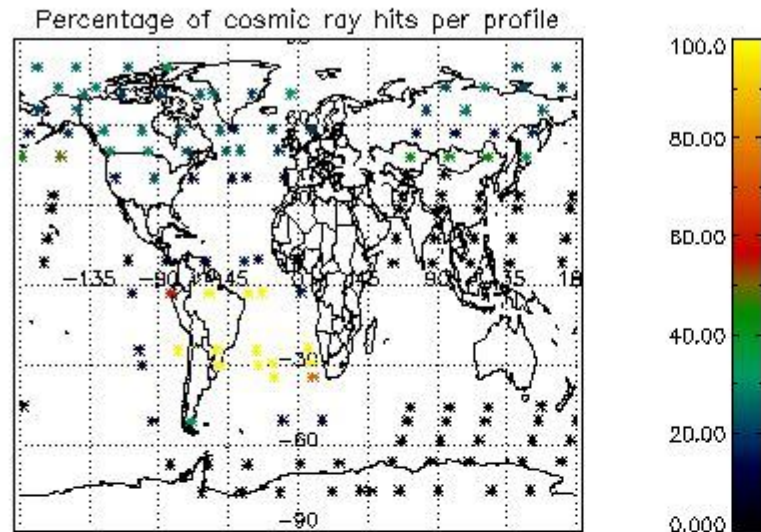
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	51.3889 %
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)



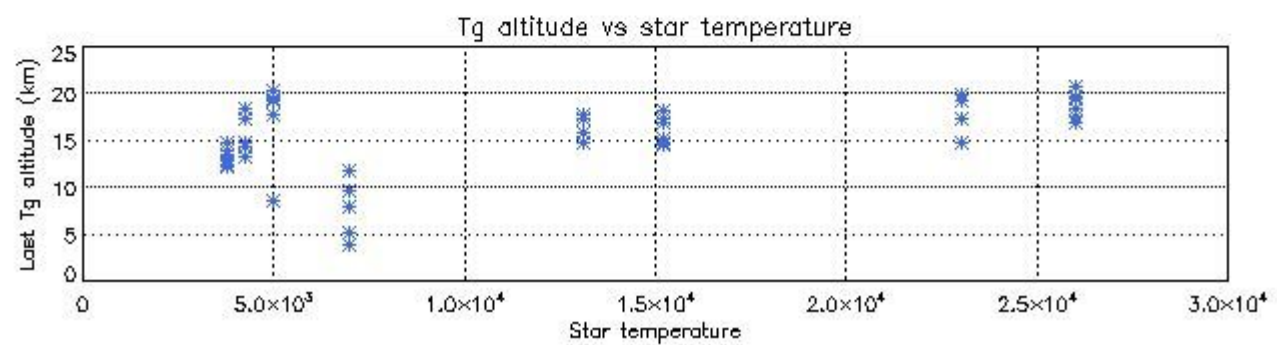
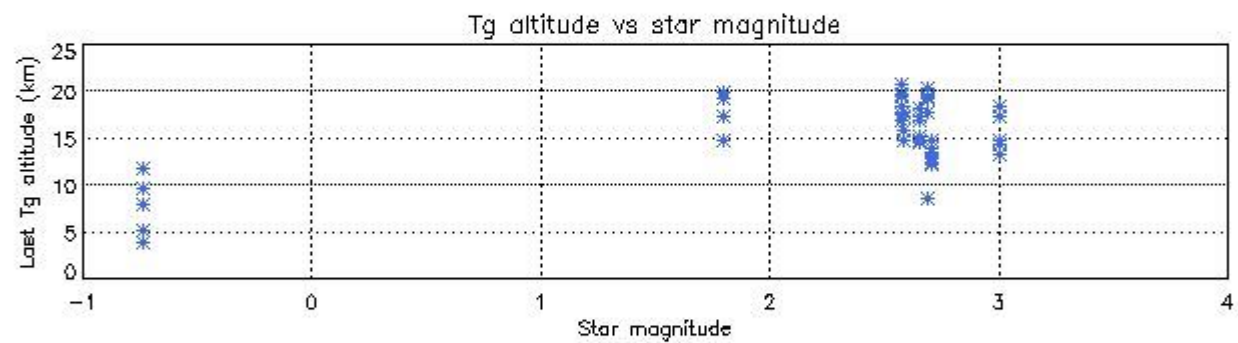
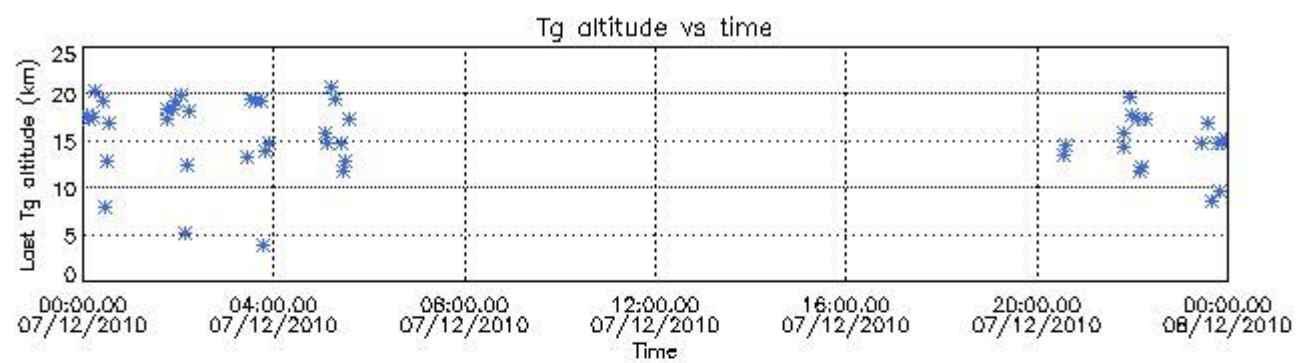
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.388	19.633	NaN
St. deviation:	3.8500	6.2380	NaN
Maximum:	20.832	27.614	NaN
Minimum:	3.8287	3.1928	NaN
Number of data:	48.000	69.000	NaN

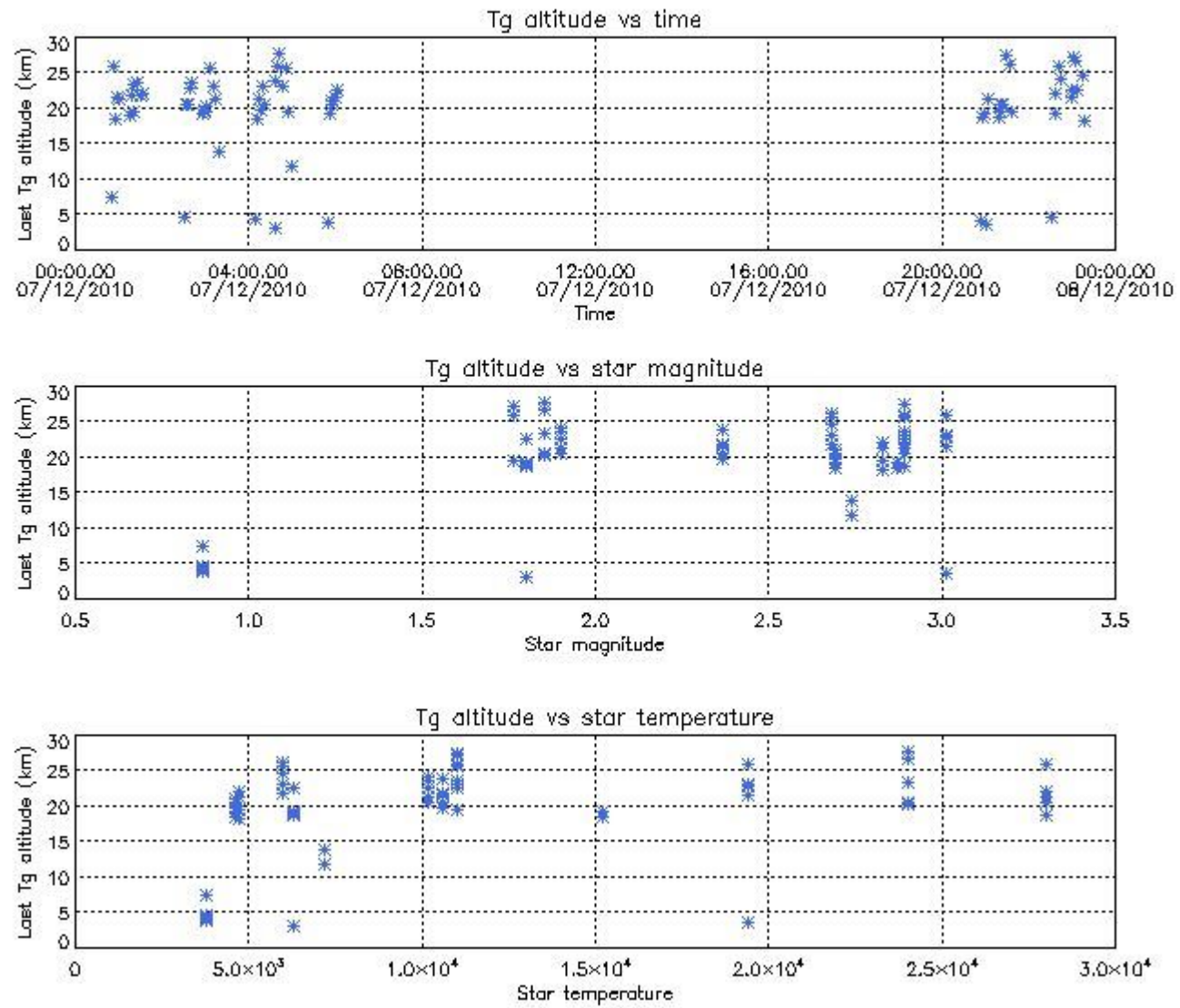
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

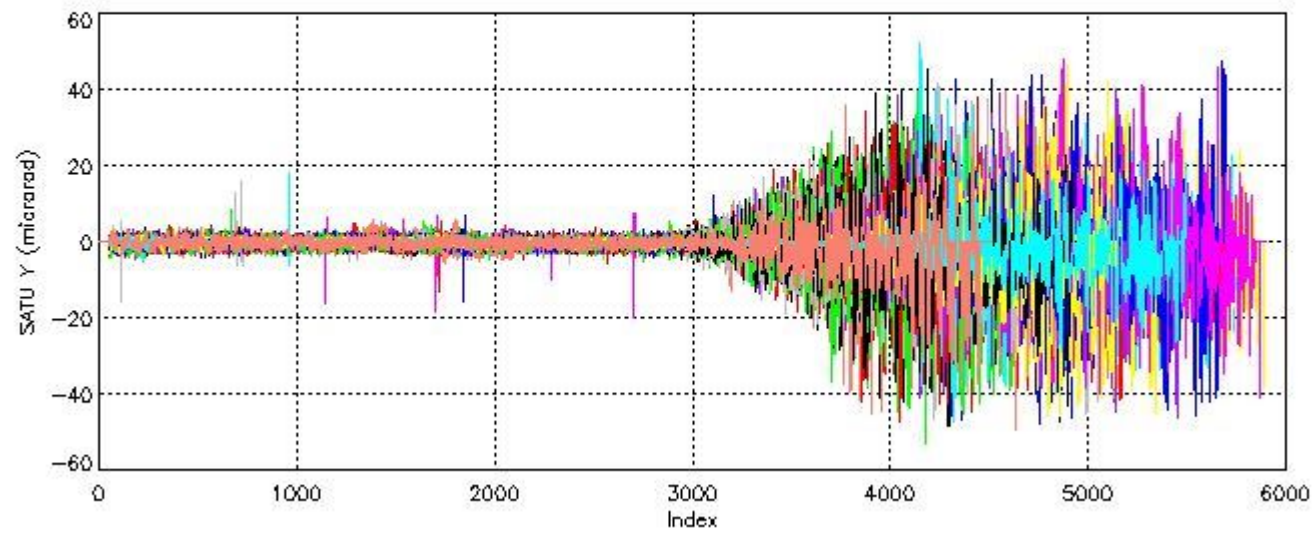
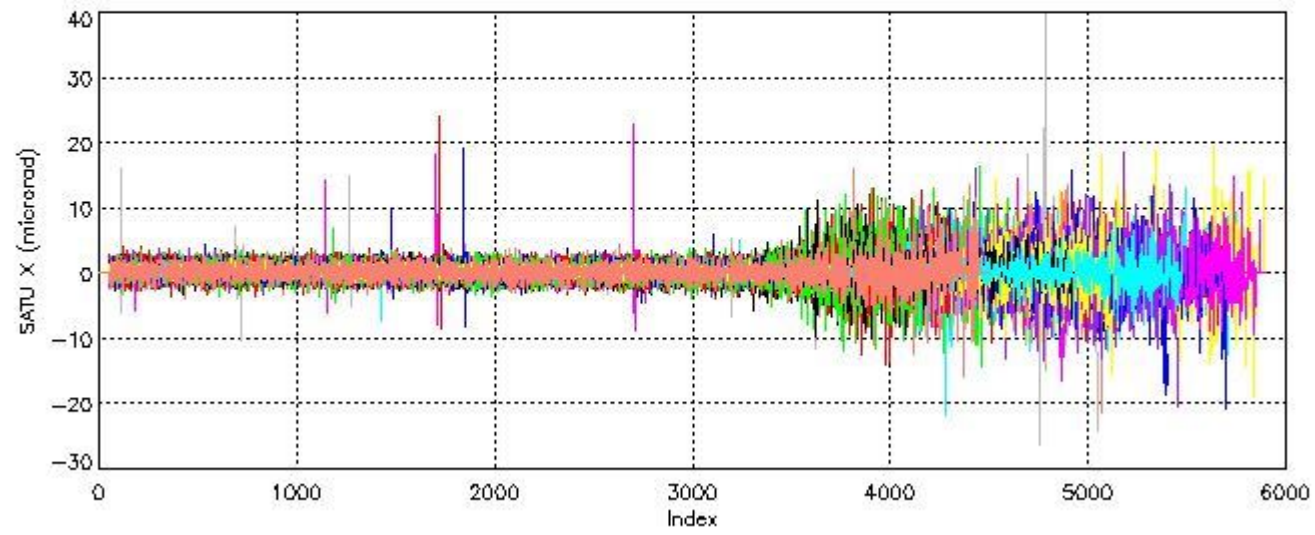


7. Star Acquisition and Tracking Unit (SATU)

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:	0.22339	-0.28643	0.18911	-0.26968
St. deviation:	0.63339	0.85875	0.87599	1.0421
Maximum:	16.000	17.800	7.3000	7.7000
Minimum:	-10.200	-16.300	-5.7000	-7.5000

Number of data:	52850.	52850.	67900.	67900.
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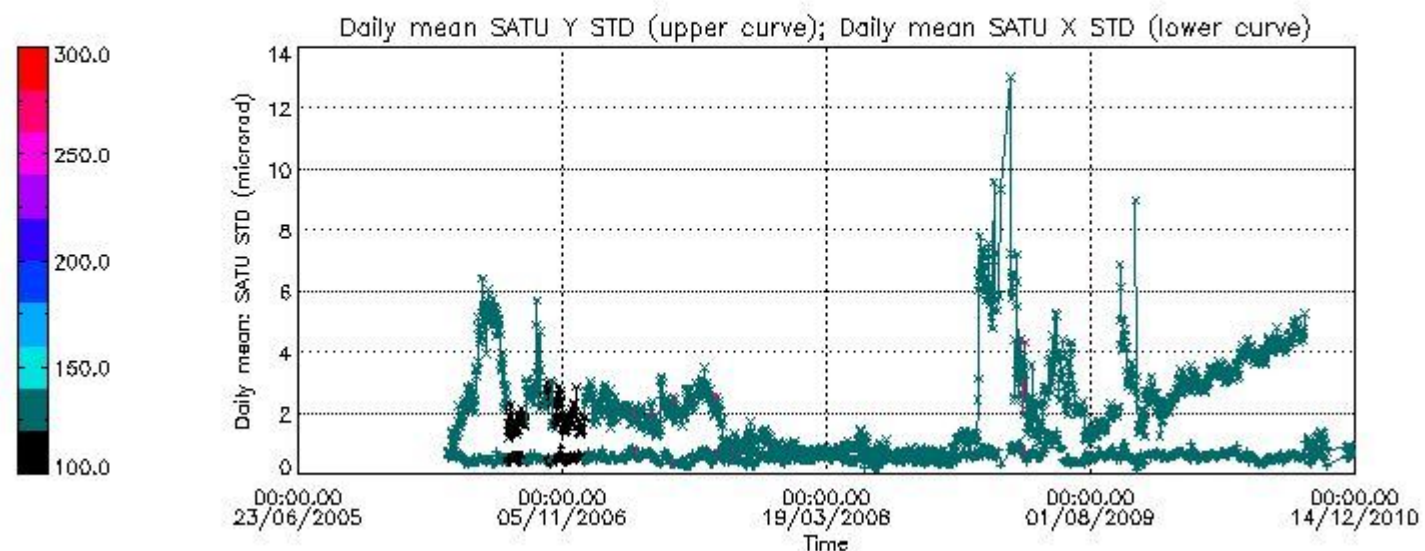
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

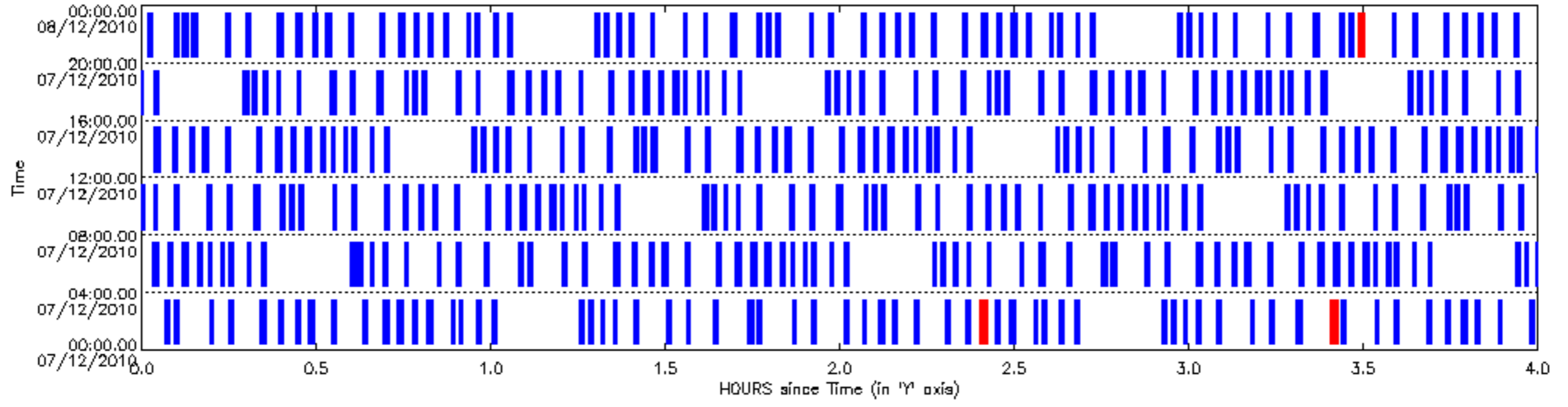
Lower curve: STD of SATU X axis

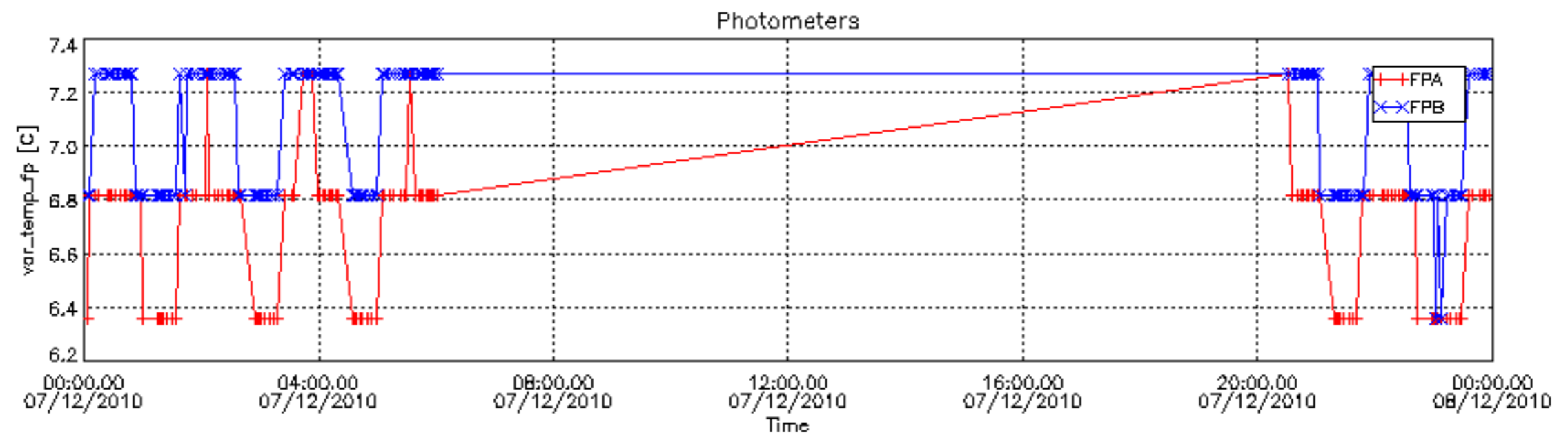
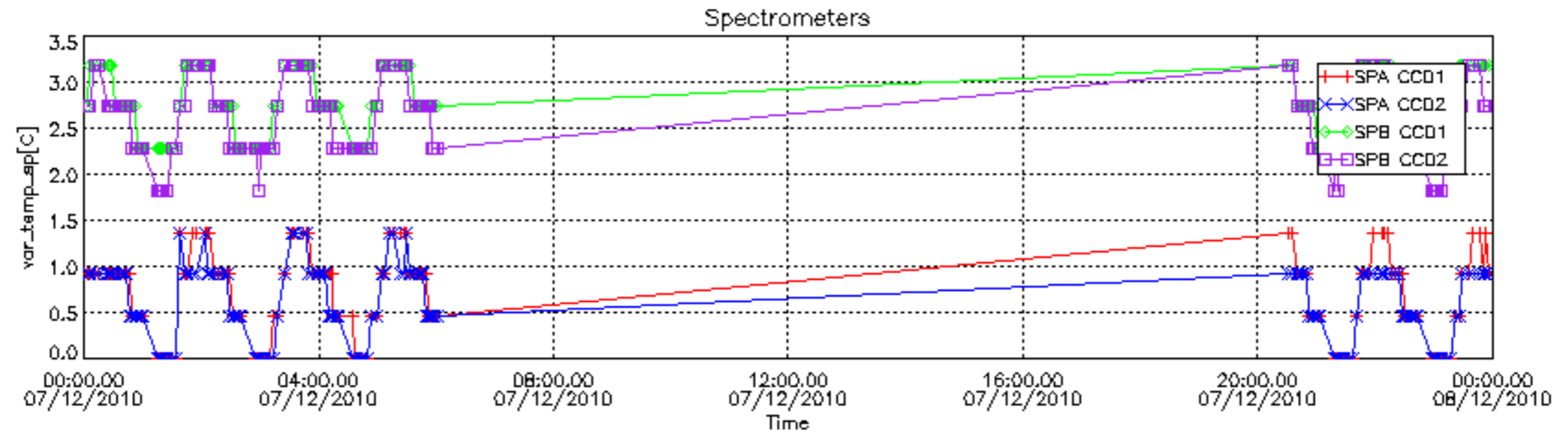


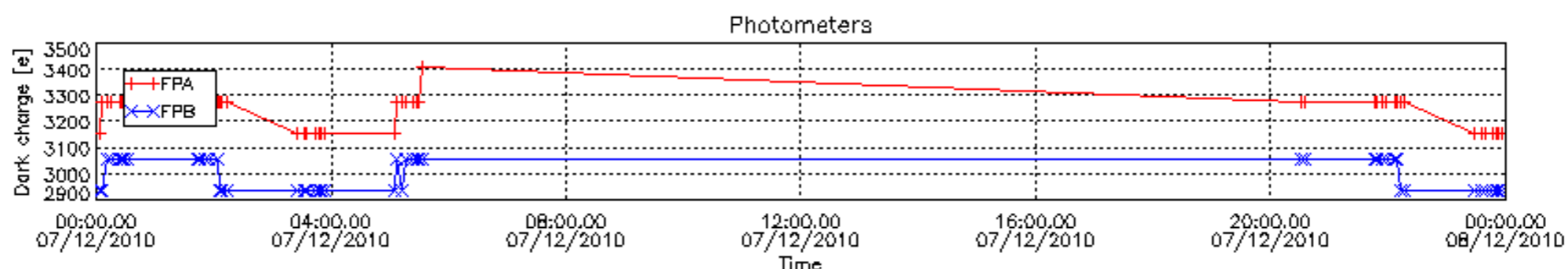
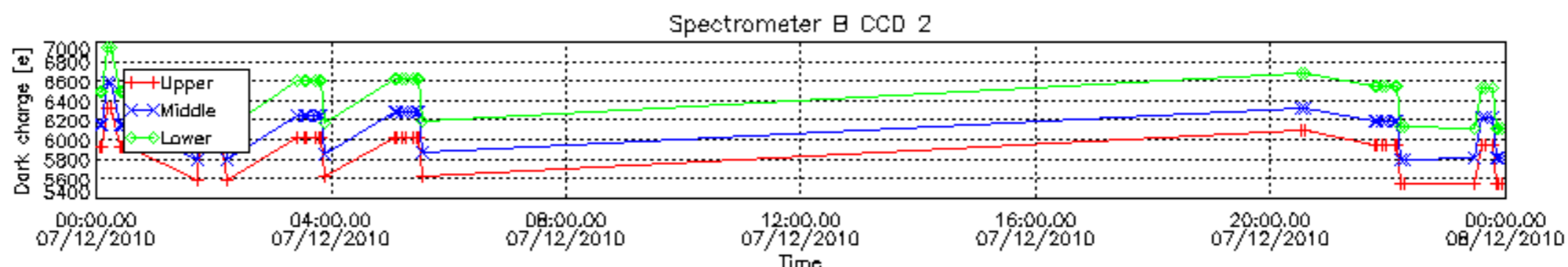
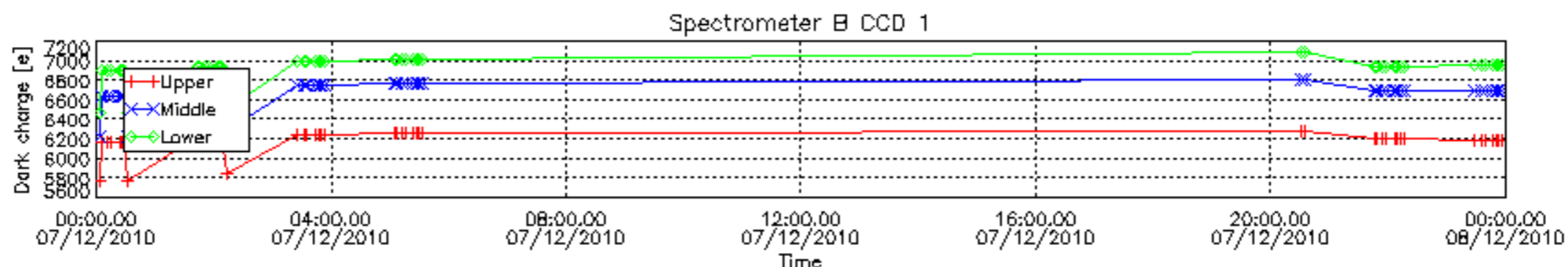
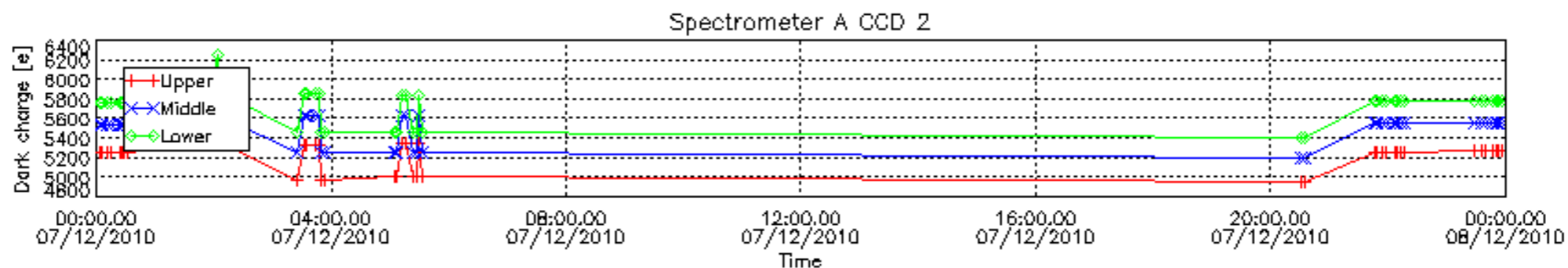
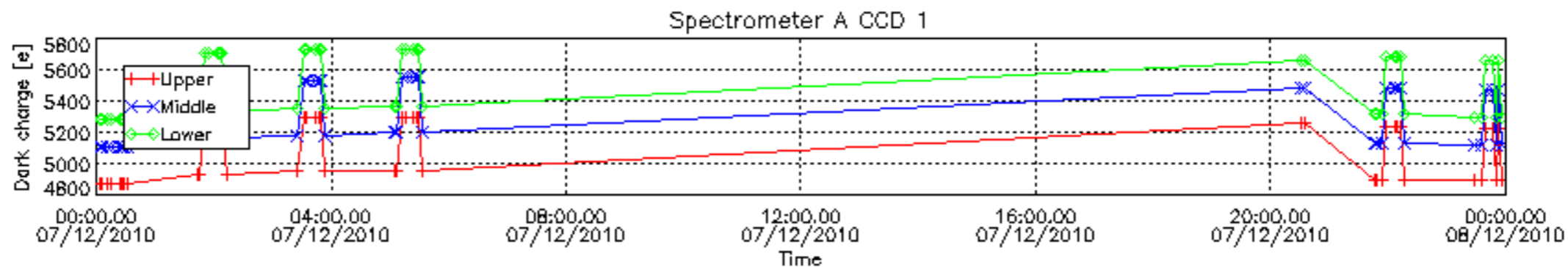
8. Auxiliary Data Files used for the production reported in section 2.4

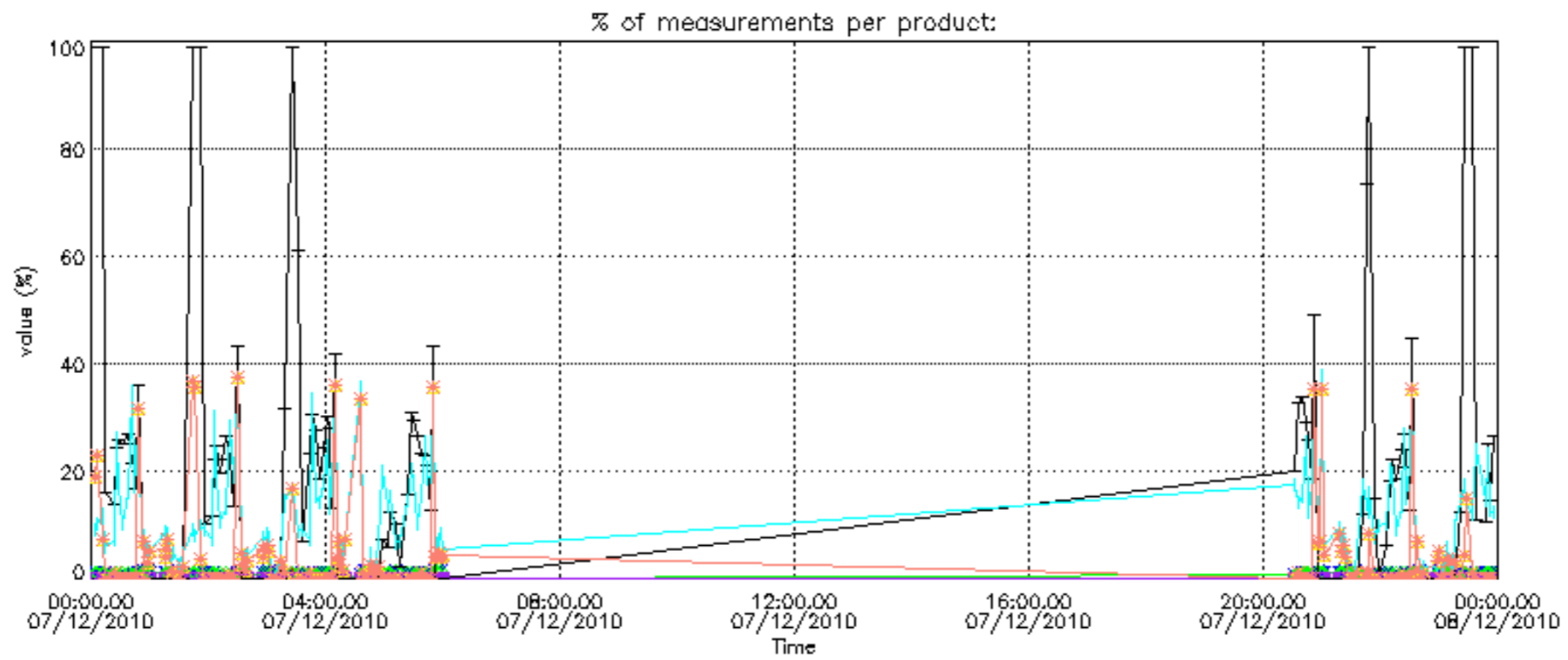
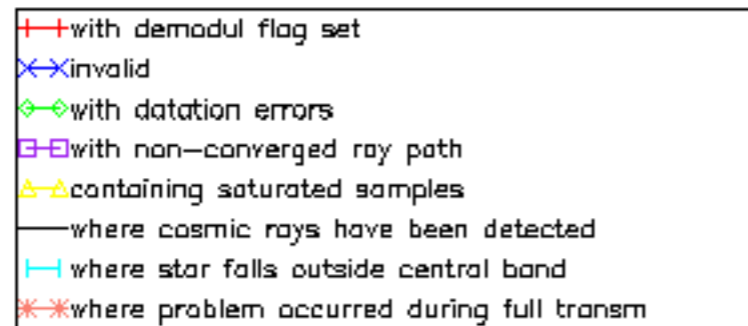
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	07-DEC-2010 00:03:58
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20101201_093519_20101129_000000_20500101_000000	1	07-DEC-2010 00:03:58
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	07-DEC-2010 00:03:58
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	07-DEC-2010 00:03:58
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	07-DEC-2010 00:03:58
ECMWF_FILE	AUX_ECF_AXNECM20101206_054116_20101206_210000_20101207_090000	1	07-DEC-2010 00:03:58
ECMWF_FILE	AUX_ECF_AXNECM20101206_172302_20101207_030000_20101207_150000	67	07-DEC-2010 04:35:39
ECMWF_FILE	AUX_ECF_AXNECM20101207_054115_20101207_150000_20101208_030000	93	07-DEC-2010 20:31:36
ECMWF_FILE	AUX_ECF_AXNECM20101207_054115_20101207_210000_20101208_090000	111	07-DEC-2010 21:41:12
OPTIONAL_ECMWF_FILE	MISSING	1	07-DEC-2010 00:03:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101206_235834_000054193097_00145_45849_2071.N1	1	07-DEC-2010 00:03:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101207_013412_000041443097_00146_45850_2072.N1	25	07-DEC-2010 01:38:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101207_024835_000057383097_00147_45851_2073.N1	42	07-DEC-2010 02:55:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101207_042932_000057383097_00148_45852_2074.N1	67	07-DEC-2010 04:35:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101207_202554_000041443097_00158_45862_2075.N1	93	07-DEC-2010 20:31:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101207_214017_000057383097_00158_45862_2076.N1	111	07-DEC-2010 21:41:12
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101207_232114_000057383097_00159_45863_2077.N1	138	07-DEC-2010 23:26:01

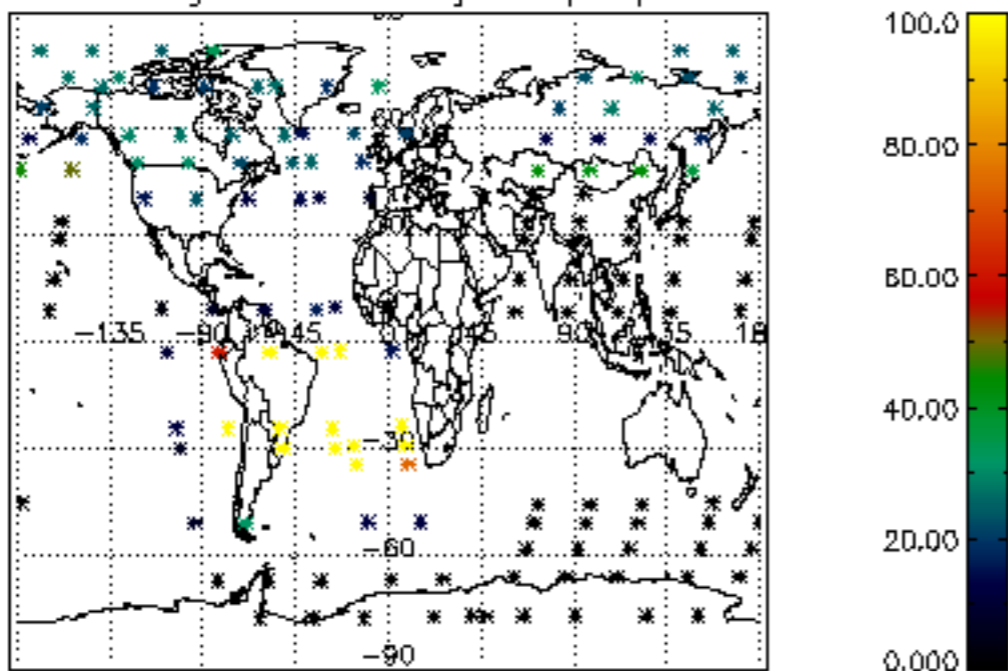




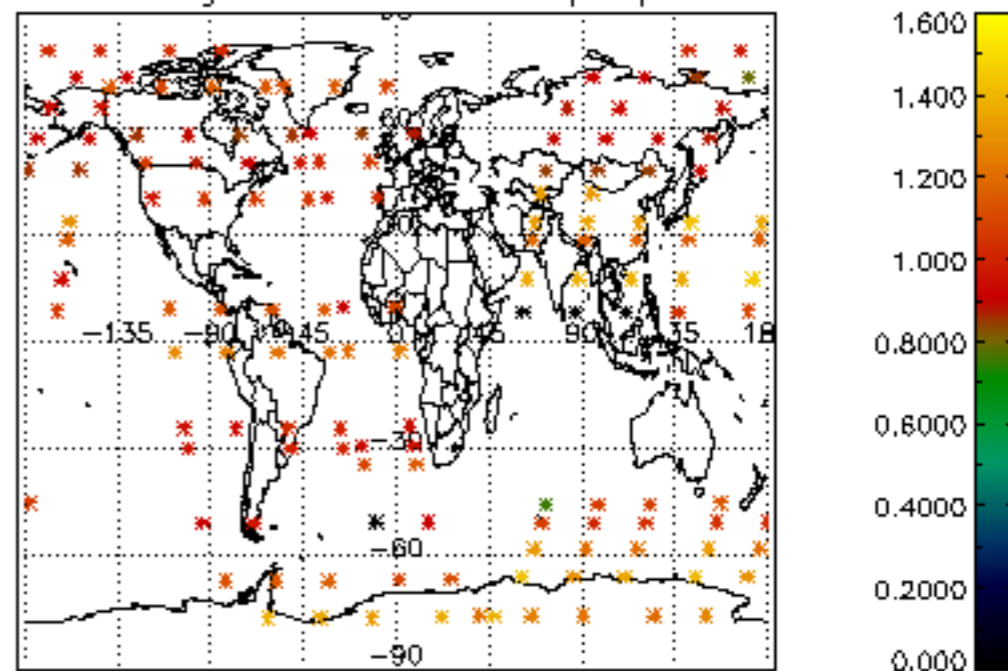




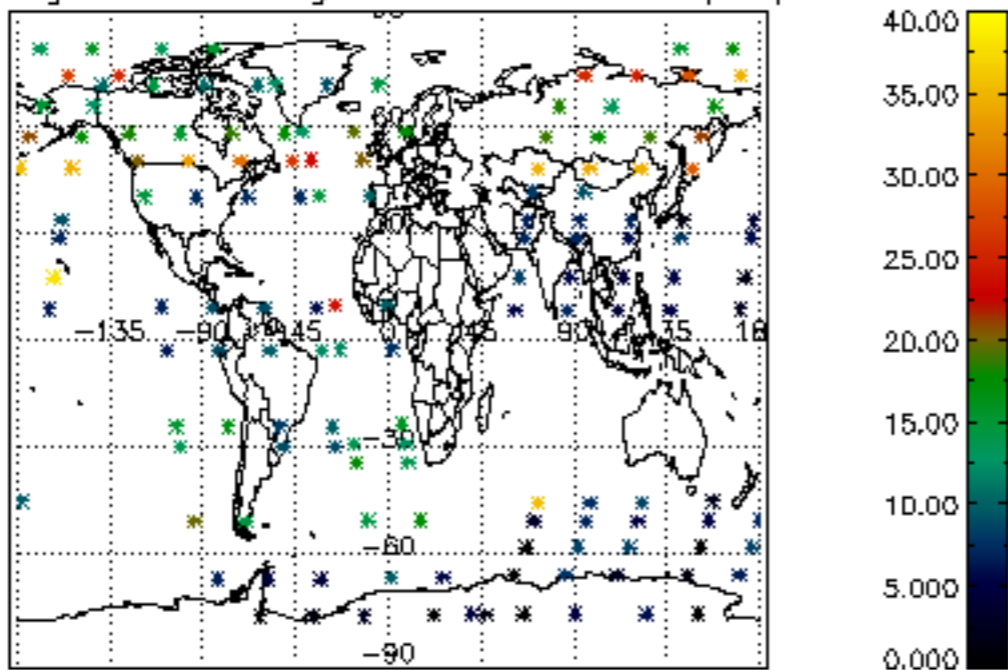
Percentage of cosmic ray hits per profile



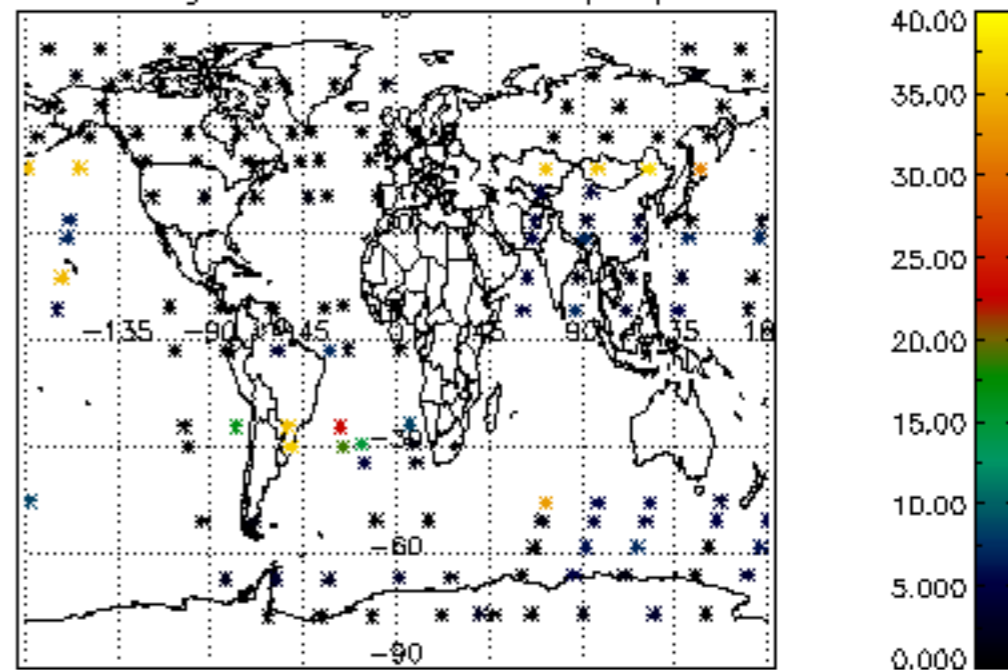
Percentage of datation errors per profile



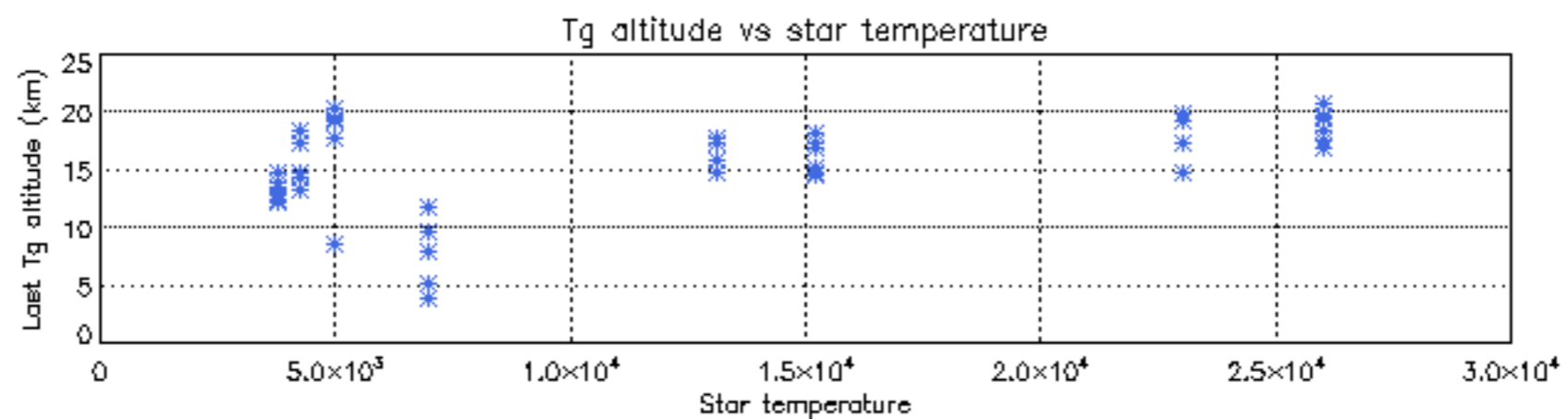
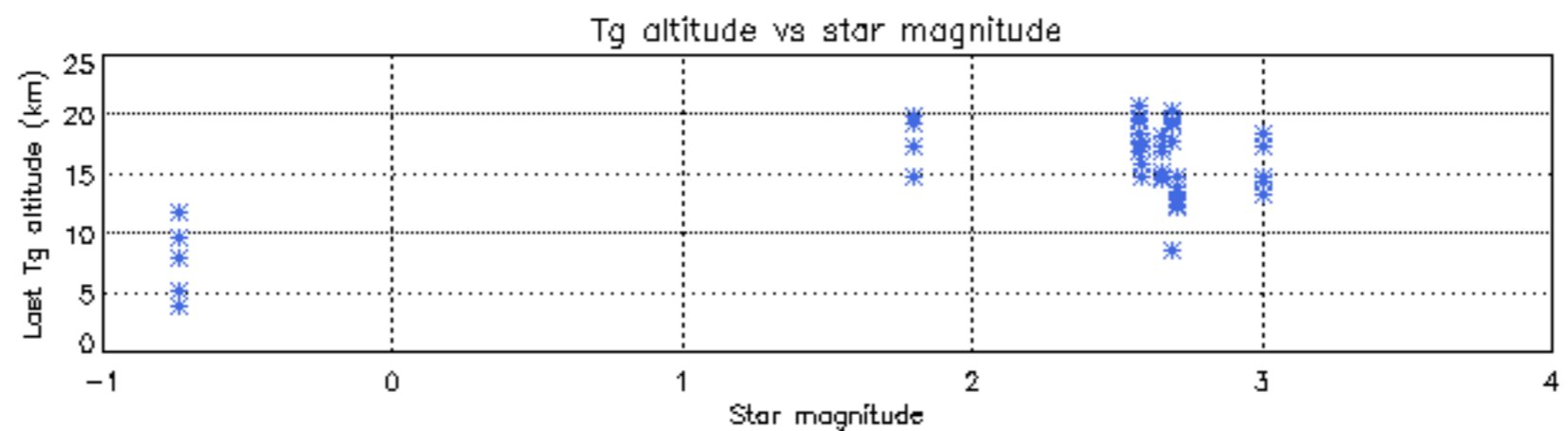
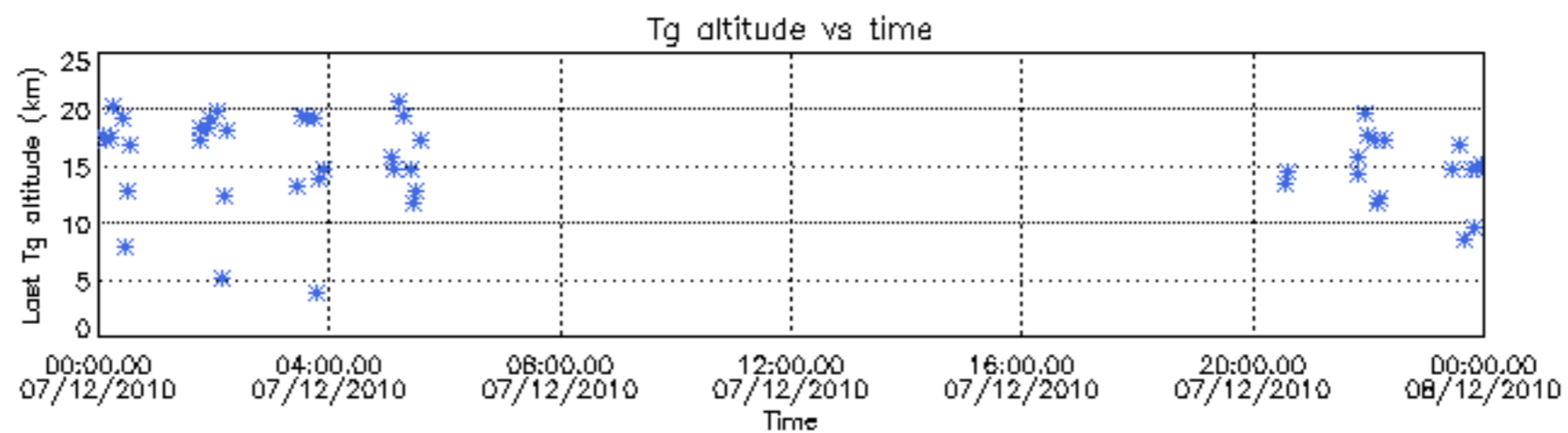
Percentage of star falling outside central band per profile



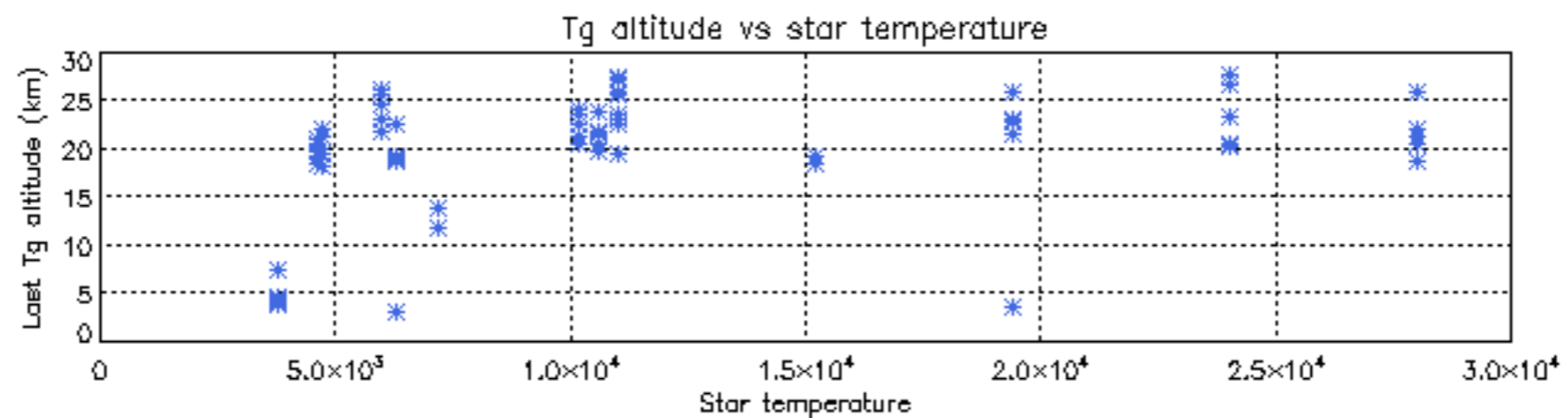
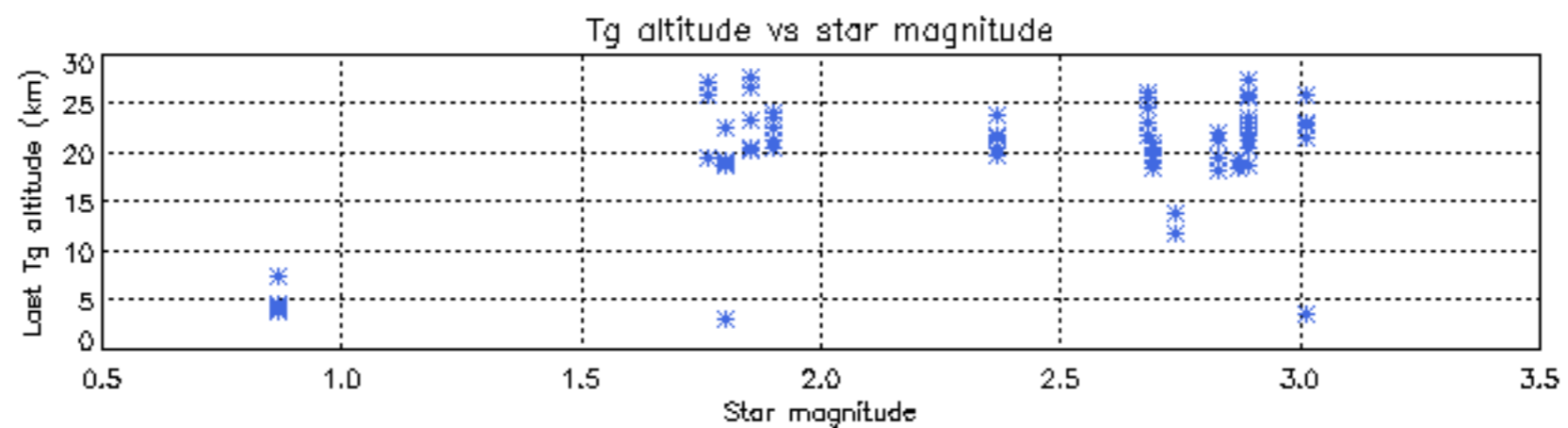
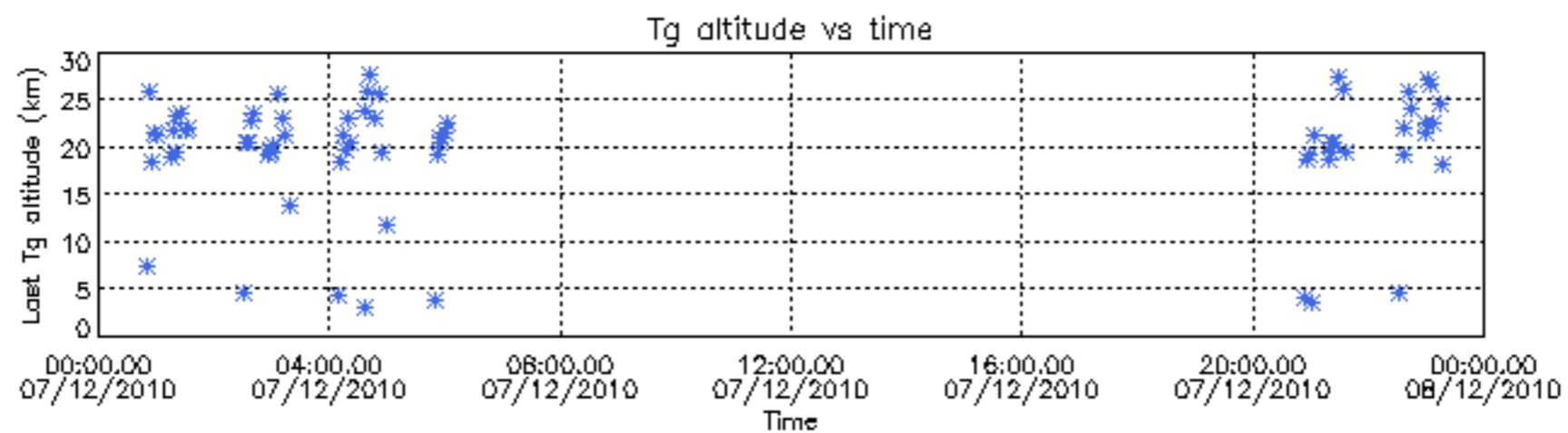
Percentage of saturation errors per profile

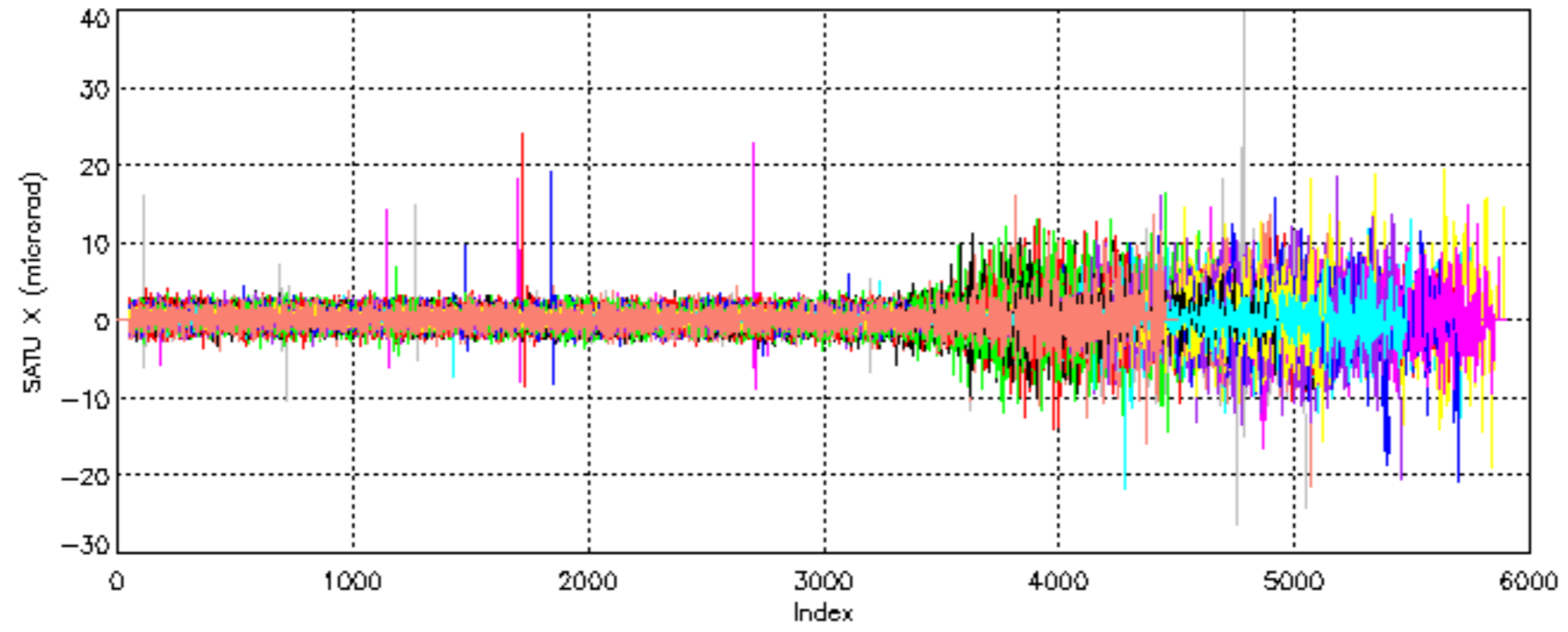


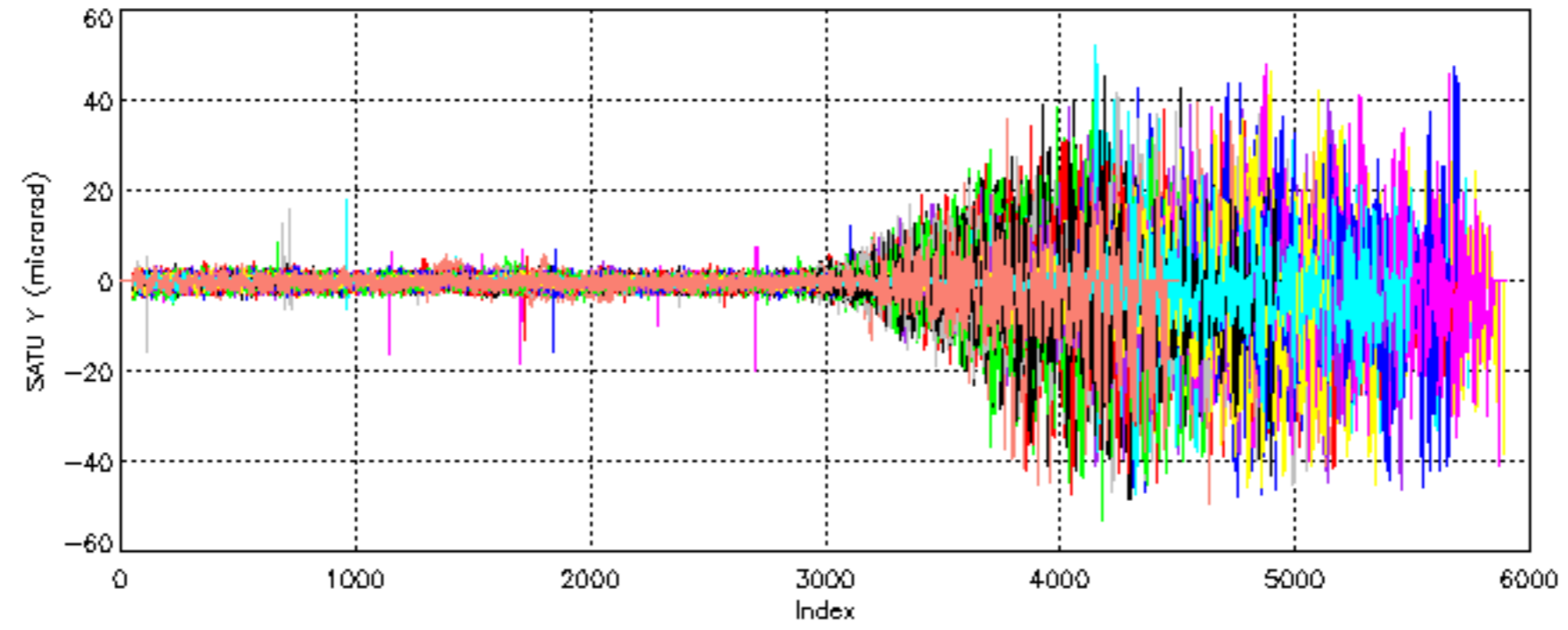
Tangent altitude at which the star is lost

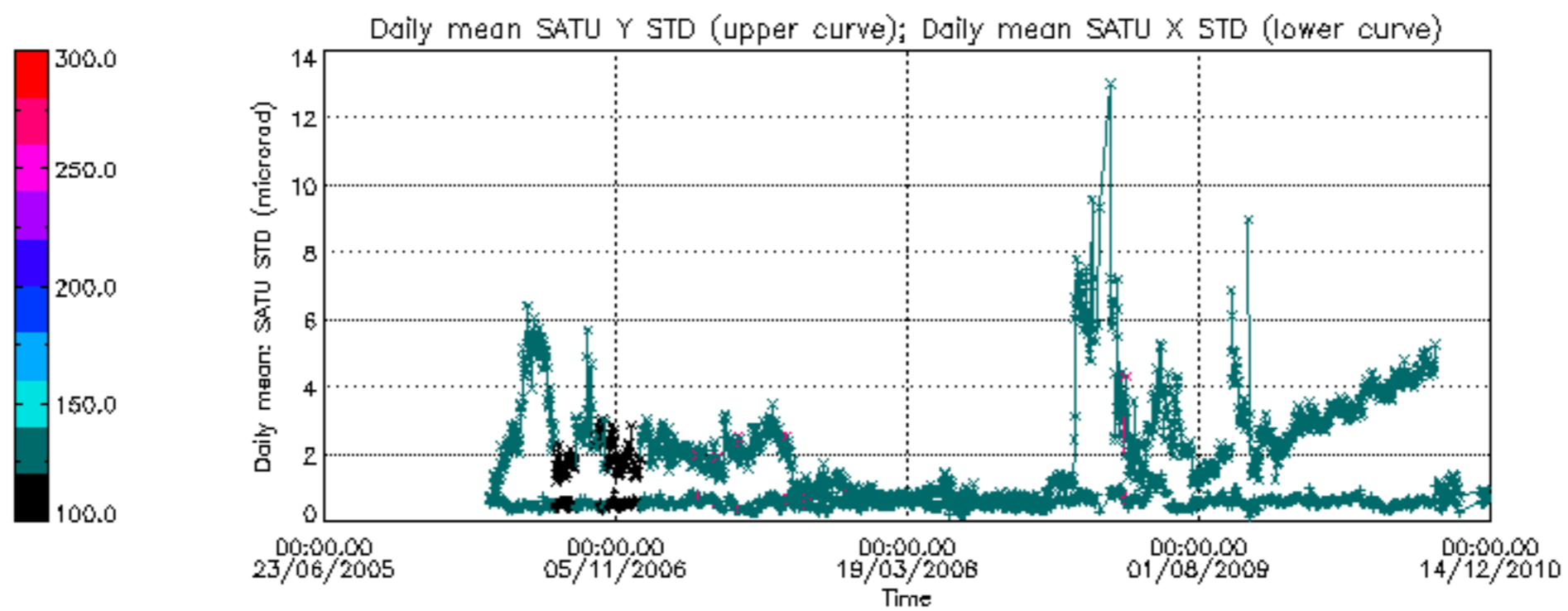


Tangent altitude at which the star is lost









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 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

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 6; 908.6; 01-DEC-2010 02:27:39; Dark ; 64.0; 117; Pi Pup ; 2.71; 3800;occ; 128; 0;45765
 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
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 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
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 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
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 8; -579.5; 01-DEC-2010 03:43:05; Dark ; 44.0; 100; 4Gam Crv ; 2.58; 13100;occ; 88; 0;45765
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 13; 799.1; 01-DEC-2010 04:06:04; Dark ; 56.0; 2; Alp Car ; -0.74; 7000;occ; 112; 0;45766
 14; 909.5; 01-DEC-2010 04:07:54; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;45766
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 17; 1739.4; 01-DEC-2010 04:21:44; Dark ; 60.5; 7; 19Bet Ori ; 0.10; 14000;occ; 121; 0;45766
 18; 2217.7; 01-DEC-2010 04:29:42; Bright; 58.5; 13; 87Alp Tau ; 0.87; 3800;occ; 117; 0;45766
 19; 2314.5; 01-DEC-2010 04:31:19; Bright; 39.5; 146; 25Eta Tau ; 2.87; 15200;occ; 79; 0;45766
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 22; 2722.5; 01-DEC-2010 04:38:07; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45766
 23; 2830.6; 01-DEC-2010 04:39:55; Bright; 51.0; 6; 13Alp Aur ; 0.08; 3400;occ; 102; 0;45766
 24; 2938.8; 01-DEC-2010 04:41:44; Bright; 46.5; 42; 34Bet Aur ; 1.90; 10200;occ; 93; 0;45766

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3;-2019.9; 01-DEC-2010 04:59:19; Bright; 38.5; 32; 77Eps UMa ; 1.76; 11000;occ; 77; 0;45766
4;-1849.5; 01-DEC-2010 05:02:09; Bright; 50.5; 174; 52Psi UMa ; 3.00; 4400;occ; 101; 0;45766
5;-1687.6; 01-DEC-2010 05:04:51; Bright; 40.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 81; 0;45766
6;-1116.1; 01-DEC-2010 05:14:23; Bright; 62.0; 62; 94Bet Leo ; 2.14; 9700;occ; 124; 0;45766
7; -917.6; 01-DEC-2010 05:17:41; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;45766
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9; -483.1; 01-DEC-2010 05:24:56; Dark ; 49.0; 171; 2Eps Crv ; 3.00; 4250;occ; 98; 0;45766
10; 83.4; 01-DEC-2010 05:34:22; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45767
11; 407.3; 01-DEC-2010 05:39:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45767
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13; 799.8; 01-DEC-2010 05:46:19; Dark ; 58.0; 2; Alp Car ;-0.74; 7000;occ; 116; 0;45767
14; 910.4; 01-DEC-2010 05:48:09; Dark ; 58.5; 117; Pi Pup ; 2.71; 3800;occ; 117; 0;45767
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16; 1523.8; 01-DEC-2010 05:58:23; Dark ; 51.0; 101; 11Alp Lep ; 2.58; 7000;occ; 102; 0;45767
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20; 2455.7; 01-DEC-2010 06:13:55; Bright; 38.0; 150; 44Zet Per ; 2.89; 28000;occ; 76; 0;45767
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22; 2722.2; 01-DEC-2010 06:18:21; Bright; 37.0; 175; 39Del Per ; 3.01; 19400;occ; 74; 0;45767
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3; 1186.9; 01-DEC-2010 20:54:52; Dark ; 46.5; 108; Alp Col ; 2.65; 15200;occ; 93; 0;45776
4; 1525.1; 01-DEC-2010 21:00:30; Dark ; 53.5; 101; 11Alp Lep ; 2.58; 7000;occ; 107; 0;45776
5; 1738.8; 01-DEC-2010 21:04:04; Dark ; 58.0; 7; 19Bet Ori ; 0.10; 14000;occ; 116; 0;45776
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7; 2076.1; 01-DEC-2010 21:09:41; Dark ; 46.0; 27; 24Gam Ori ; 1.64; 26000;occ; 92; 0;45776
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11; 2598.4; 01-DEC-2010 21:18:24; Bright; 38.5; 149; 45Eps Per ; 2.89; 30000;occ; 77; 0;45776
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15; 3797.0; 01-DEC-2010 21:38:22; Bright; 42.5; 36; 50Alp UMa ; 1.80; 6300;occ; 85; 0;45776
16; 3892.3; 01-DEC-2010 21:39:58; Bright; 47.5; 82; 48Bet UMa ; 2.37; 10600;occ; 95; 0;45776
17; 3993.3; 01-DEC-2010 21:41:38; Bright; 39.5; 32; 77Eps UMa ; 1.76; 11000;occ; 79; 0;45776
18; 4161.7; 01-DEC-2010 21:44:27; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;45776
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 27; 6995.8; 07-DEC-2010 15:30:51; Dark ; 61.5; 117; Pi Pup ; 2.71; 3800;occ; 123; 0;45859
 28; 7232.1; 07-DEC-2010 15:34:48; Dark ; 46.5; 108; Alp Col ; 2.65; 15200;occ; 93; 0;45859

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1;	1537.2;	07-DEC-2010	15:40:07;	Dark	;	49.0;	101;	11Alp Lep	;	2.58;	7000;occ;	98;	0;	45859
2;	1735.8;	07-DEC-2010	15:43:25;	Dark	;	53.5;	7;	19Bet Ori	;	0.10;	14000;occ;	107;	0;	45859
3;	1891.2;	07-DEC-2010	15:46:01;	Dark	;	55.5;	30;	46Eps Ori	;	1.69;	30000;occ;	111;	0;	45859
4;	2042.4;	07-DEC-2010	15:48:32;	Dark	;	55.5;	27;	24Gam Ori	;	1.64;	26000;occ;	111;	0;	45859
5;	2192.9;	07-DEC-2010	15:51:02;	Dark	;	58.0;	13;	87Alp Tau	;	0.87;	3800;occ;	116;	0;	45859
6;	2305.6;	07-DEC-2010	15:52:55;	Bright;		37.5;	146;	25Eta Tau	;	2.87;	15200;occ;	75;	0;	45859
7;	2441.0;	07-DEC-2010	15:55:11;	Bright;		38.0;	150;	44Zet Per	;	2.89;	28000;occ;	76;	0;	45859
8;	2521.4;	07-DEC-2010	15:56:31;	Bright;		43.5;	114;	3Iot Aur	;	2.69;	4600;occ;	87;	0;	45859
9;	2708.8;	07-DEC-2010	15:59:38;	Bright;		36.5;	175;	39Del Per	;	3.01;	19400;occ;	73;	0;	45859
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;	12Alp2CVn	;	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;	Gam2Vel	;	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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3;	1537.3;	07-DEC-2010	17:20:21;	Dark	;	50.5;	101;	11Alp Lep	;	2.58;	7000;occ;	101;	0;	45860
4;	1735.9;	07-DEC-2010	17:23:39;	Dark	;	55.0;	7;	19Bet Ori	;	0.10;	14000;occ;	110;	0;	45860
5;	1891.1;	07-DEC-2010	17:26:15;	Dark	;	55.5;	30;	46Eps Ori	;	1.69;	30000;occ;	111;	0;	45860
6;	2042.2;	07-DEC-2010	17:28:46;	Dark	;	55.0;	27;	24Gam Ori	;	1.64;	26000;occ;	110;	0;	45860
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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
14;	3856.5;	07-DEC-2010	17:59:00;	Bright;		48.0;	82;	48Bet UMa	;	2.37;	10600;occ;	96;	0;	45860
15;	3983.4;	07-DEC-2010	18:01:07;	Bright;		42.5;	32;	77Eps UMa	;	1.76;	11000;occ;	85;	0;	45860
16;	4120.4;	07-DEC-2010	18:03:24;	Bright;		40.0;	39;	85Eta UMa	;	1.85;	24000;occ;	80;	0;	45860
17;	4330.9;	07-DEC-2010	18:06:55;	Bright;		40.5;	152;	12Alp2CVn	;	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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23;	5616.4;	07-DEC-2010	18:28:20;	Dark	;	53.5;	171;	2Eps Crv	;	3.00;	4250;occ;	107;	0;	45860
24;	5970.6;	07-DEC-2010	18:34:14;	Dark	;	40.5;	99;	Del Cen	;	2.58;	26000;occ;	81;	0;	45860
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;	Gam2Vel	;	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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3;	1537.4;	07-DEC-2010	19:00:35;	Dark	;	50.5;	101;	11Alp Lep	;	2.58;	7000;occ;	101;	0;	45861
4;	1735.8;	07-DEC-2010	19:03:54;	Dark	;	54.0;	7;	19Bet Ori	;	0.10;	14000;occ;	108;	0;	45861
5;	1890.7;	07-DEC-2010	19:06:28;	Dark	;	52.0;	30;	46Eps Ori	;	1.69;	30000;occ;	104;	0;	45861
6;	2041.8;	07-DEC-2010	19:09:00;	Dark	;	53.0;	27;	24Gam Ori	;	1.64;	26000;occ;	106;	0;	45861
7;	2192.4;	07-DEC-2010	19:11:30;	Dark	;	58.0;	13;	87Alp Tau	;	0.87;	3800;occ;	116;	0;	45861
8;	2305.4;	07-DEC-2010	19:13:23;	Bright;		37.5;	146;	25Eta Tau	;	2.87;	15200;occ;	75;	0;	45861
9;	2440.9;	07-DEC-2010	19:15:39;	Bright;		38.0;	150;	44Zet Per	;	2.89;	28000;occ;	76;	0;	45861


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13; 3764.1; 07-DEC-2010 19:37:42; Bright; 47.5; 36; 50Alp UMa ; 1.80; 6300;occ; 95; 0;45861
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15; 3983.3; 07-DEC-2010 19:41:21; Bright; 42.5; 32; 77Eps UMa ; 1.76; 11000;occ; 85; 0;45861
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17; 4330.7; 07-DEC-2010 19:47:08; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;45861
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19; 4877.4; 07-DEC-2010 19:56:15; Bright; 46.5; 138; 47Eps Vir ; 2.83; 4700;occ; 93; 0;45861
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22; 5521.0; 07-DEC-2010 20:06:59; Dark ; 50.0; 100; 4Gam Crv ; 2.58; 13100;occ; 100; 0;45861
23; 5617.4; 07-DEC-2010 20:08:35; Dark ; 55.0; 171; 2Eps Crv ; 3.00; 4250;occ; 110; 0;45861
24; 5971.2; 07-DEC-2010 20:14:29; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;45861
25; 6174.6; 07-DEC-2010 20:17:52; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;45862
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27; 6692.8; 07-DEC-2010 20:26:31; Dark ; 54.0; 34; Gam2Vel ; 1.79; 23000;occ; 108; 0;45862
28; 6860.2; 07-DEC-2010 20:29:18; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;45862
29; 6998.0; 07-DEC-2010 20:31:36; Dark ; 37.5; 117; Pi Pup ; 2.71; 3800;occ; 75; 0;45862
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 3;-2033.8; 09-DEC-2010 06:46:13; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;45882
 4;-1893.8; 09-DEC-2010 06:48:33; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;45882
 5;-1682.7; 09-DEC-2010 06:52:04; Bright; 43.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 87; 0;45882
 6;-1334.1; 09-DEC-2010 06:57:52; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;45882
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11; -374.8; 09-DEC-2010 07:13:51; Dark ; 56.5; 171; 2Eps Crv ; 3.00; 4250;occ; 113; 0;45882
12; -30.0; 09-DEC-2010 07:19:36; Dark ; 39.5; 99; Del Cen ; 2.58; 26000;occ; 79; 0;45882
13; 178.4; 09-DEC-2010 07:23:05; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45883
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16; 695.8; 09-DEC-2010 07:31:42; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;45883
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19; 1214.3; 10-DEC-2010 07:03:37; Dark ; 58.5; 23; 21Eps CMa ; 1.50; 26000;occ; 117; 0;45897
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24; 3939.8; 16-DEC-2010 00:48:12; Bright; 30.0; 87; 64Gam UMa ; 2.43; 11000;occ; 60; 0;45979
25; 4001.4; 16-DEC-2010 00:49:14; Bright; 59.0; 55; 79Zet UMa ; 2.06; 10200;occ; 118; 0;45979

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26; 4116.7; 16-DEC-2010 00:51:09; Bright; 58.0; 39; 85Eta UMa ; 1.85; 24000;occ; 116; 0;45979
 27; 4316.8; 16-DEC-2010 00:54:29; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;45979
 28; 4508.9; 16-DEC-2010 00:57:42; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;45979
 29; 4707.3; 16-DEC-2010 01:01:00; Bright; 60.0; 111; 8Eta Boo ; 2.68; 6000;occ; 120; 0;45979
 30; 4943.7; 16-DEC-2010 01:04:56; Bright; 53.5; 138; 47Eps Vir ; 2.83; 4700;occ; 107; 0;45979
 31; 5301.6; 16-DEC-2010 01:10:54; Dark ; 30.0; 15; 67Alp Vir ; 0.98; 28000;occ; 60; 0;45979

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 14; 253.3; 15-DEC-2010 07:04:26; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;45969
 15; 483.2; 15-DEC-2010 07:08:16; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;45969
 16; 569.4; 15-DEC-2010 07:09:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45969
 17; 760.6; 15-DEC-2010 07:12:53; Dark ; 50.0; 34; Gam2Vel ; 1.79; 23000;occ; 100; 0;45969
 18; 892.0; 15-DEC-2010 07:15:04; Dark ; 45.0; 2; Alp Car ; -0.74; 7000;occ; 90; 0;45969
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 7; 2437.3; 15-DEC-2010 07:40:50; Bright; 44.0; 28; 12Bet Tau ; 1.65; 15200;occ; 88; 0;45969
 8; 2655.0; 15-DEC-2010 07:44:27; Bright; 45.5; 107; 37The Aur ; 2.65; 11000;occ; 91; 0;45969
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 12; 4117.2; 15-DEC-2010 08:08:50; Bright; 40.5; 39; 85Eta UMa ; 1.85; 24000;occ; 81; 0;45969
 13; 4316.0; 15-DEC-2010 08:12:09; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;45969
 14; 4507.4; 15-DEC-2010 08:15:20; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;45969
 15; 4704.3; 15-DEC-2010 08:18:37; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;45969
 16; 4937.4; 15-DEC-2010 08:22:30; Bright; 73.0; 138; 47Eps Vir ; 2.83; 4700;occ; 146; 0;45969
 17; 5294.5; 15-DEC-2010 08:28:27; Dark ; 46.0; 15; 67Alp Vir ; 0.98; 28000;occ; 92; 0;45969
 18; 5503.8; 15-DEC-2010 08:31:56; Dark ; 46.5; 169; 46Gam Hya ; 2.99; 4700;occ; 93; 0;45969
 19; 5649.1; 15-DEC-2010 08:34:22; Dark ; 53.0; 106; 9Bet Crv ; 2.65; 5600;occ; 106; 0;45969
 20; 5741.7; 15-DEC-2010 08:35:54; Dark ; 58.0; 171; 2Eps Crv ; 3.00; 4250;occ; 116; 0;45969
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 22; 6040.7; 15-DEC-2010 08:40:53; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;45970
 23; 6268.5; 15-DEC-2010 08:44:41; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45970
 24; 6498.0; 15-DEC-2010 08:48:30; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;45970
 25; 6584.1; 15-DEC-2010 08:49:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45970
 26; 6775.4; 15-DEC-2010 08:53:08; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;45970
 27; 6906.4; 15-DEC-2010 08:55:19; Dark ; 47.0; 2; Alp Car ; -0.74; 7000;occ; 94; 0;45970
 28; 7066.8; 15-DEC-2010 08:57:59; Dark ; 55.0; 117; Pi Pup ; 2.71; 3800;occ; 110; 0;45970
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 3; 2063.7; 15-DEC-2010 09:14:50; Dark ; 65.0; 14; 58Alp Ori ; 0.87; 3000;occ; 130; 0;45970
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 6; 2436.9; 15-DEC-2010 09:21:03; Bright; 45.0; 28; 12Bet Tau ; 1.65; 15200;occ; 90; 0;45970
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11; 4117.2; 15-DEC-2010 09:49:04; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;45970
12; 4316.2; 15-DEC-2010 09:52:23; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;45970
13; 4507.5; 15-DEC-2010 09:55:34; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;45970
14; 4704.7; 15-DEC-2010 09:58:51; Bright; 60.0; 111; 8Eta Boo ; 2.68; 6000;occ; 120; 0;45970
15; 4938.0; 15-DEC-2010 10:02:45; Bright; 74.0; 138; 47Eps Vir ; 2.83; 4700;occ; 148; 0;45970
16; 5295.2; 15-DEC-2010 10:08:42; Dark ; 44.0; 15; 67Alp Vir ; 0.98; 28000;occ; 88; 0;45970
17; 5504.5; 15-DEC-2010 10:12:11; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;45970
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19; 5742.9; 15-DEC-2010 10:16:09; Dark ; 58.5; 171; 2Eps Crv ; 3.00; 4250;occ; 117; 0;45970
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21; 6269.2; 15-DEC-2010 10:24:56; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;45971
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23; 6584.8; 15-DEC-2010 10:30:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45971
24; 6776.1; 15-DEC-2010 10:33:23; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;45971
25; 6906.6; 15-DEC-2010 10:35:33; Dark ; 56.0; 2; Alp Car ;-0.74; 7000;occ; 112; 0;45971
26; 7067.3; 15-DEC-2010 10:38:14; Dark ; 52.5; 117; Pi Pup ; 2.71; 3800;occ; 105; 0;45971
27; 7262.9; 15-DEC-2010 10:41:29; Dark ; 55.0; 23; 21Eps CMa ; 1.50; 26000;occ; 110; 0;45971
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 4; 2063.4; 15-DEC-2010 10:55:04; Dark ; 68.0; 14; 58Alp Ori ; 0.87; 3000;occ; 136; 0;45971
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11; 3943.0; 15-DEC-2010 11:26:23; Bright; 47.0; 87; 64Gam UMa ; 2.43; 11000;occ; 94; 0;45971
12; 4117.1; 15-DEC-2010 11:29:18; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 0;45971
13; 4316.3; 15-DEC-2010 11:32:37; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;45971
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19; 5651.3; 15-DEC-2010 11:54:52; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;45971
20; 5744.2; 15-DEC-2010 11:56:25; Dark ; 57.0; 171; 2Eps Crv ; 3.00; 4250;occ; 114; 0;45971
21; 6042.1; 15-DEC-2010 12:01:23; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;45972
22; 6270.1; 15-DEC-2010 12:05:11; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45972
23; 6499.1; 15-DEC-2010 12:09:00; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;45972
24; 6585.6; 15-DEC-2010 12:10:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45972
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26; 6907.1; 15-DEC-2010 12:15:48; Dark ; 50.0; 2; Alp Car ;-0.74; 7000;occ; 100; 0;45972
27; 7067.9; 15-DEC-2010 12:18:28; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;45972
28; 7263.4; 15-DEC-2010 12:21:44; Dark ; 55.5; 23; 21Eps CMa ; 1.50; 26000;occ; 111; 0;45972
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 4; 2063.1; 15-DEC-2010 12:35:17; Dark ; 57.5; 14; 58Alp Ori ; 0.87; 3000;occ; 115; 0;45972
 5; 2177.7; 15-DEC-2010 12:37:12; Dark ; 50.0; 13; 87Alp Tau ; 0.87; 3800;occ; 100; 0;45972
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14; 4507.9; 15-DEC-2010 13:16:02; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;45972
15; 4705.3; 15-DEC-2010 13:19:20; Bright; 60.0; 111; 8Eta Boo ; 2.68; 6000;occ; 120; 0;45972
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17; 5296.6; 15-DEC-2010 13:29:11; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;45972

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22; 6042.7; 15-DEC-2010 13:41:37; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;45973
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26; 6777.6; 15-DEC-2010 13:53:52; Dark ; 54.5; 34; Gam2Vel ; 1.79; 23000;occ; 109; 0;45973
27; 6907.5; 15-DEC-2010 13:56:02; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;45973
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29; 7263.9; 15-DEC-2010 14:01:58; Dark ; 57.5; 23; 21Eps CMA ; 1.50; 26000;occ; 115; 0;45973
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13; 1202.1; 16-DEC-2010 01:42:49; Dark ; 26.0; 88; 31Eta CMA ; 2.45; 20000;occ; 52; 0;45980
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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
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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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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
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17; 2056.0; 16-DEC-2010 23:40:05; Dark ; 59.0; 14; 58Alp Ori ; 0.87; 3000;occ; 118; 0;45993
18; 2176.2; 16-DEC-2010 23:42:05; Dark ; 46.5; 13; 87Alp Tau ; 0.87; 3800;occ; 93; 0;45993

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 21; 2639.9; 16-DEC-2010 23:49:49; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;45993
 22; 2770.5; 16-DEC-2010 23:51:59; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;45993
 23; 3685.5; 17-DEC-2010 00:07:14; Bright; 33.0; 60; 7Bet UMi ; 2.08; 3950;occ; 66; 0;45993
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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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 18; 1060.8; 16-DEC-2010 08:21:24; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;45984
 19; 1204.1; 16-DEC-2010 08:23:47; Dark ; 34.0; 88; 31Eta CMa ; 2.45; 20000;occ; 68; 0;45984
 20; 1295.6; 16-DEC-2010 08:25:18; Dark ; 53.0; 37; 25Del CMa ; 1.83; 5900;occ; 106; 0;45984
 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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 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
 14; 4709.0; 16-DEC-2010 09:22:12; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;45984
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 17; 5514.8; 16-DEC-2010 09:35:38; Dark ; 49.0; 169; 46Gam Hya ; 2.99; 4700;occ; 98; 0;45984
 18; 5665.3; 16-DEC-2010 09:38:08; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;45984
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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
 24; 6595.3; 16-DEC-2010 09:53:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45985
 25; 6786.1; 16-DEC-2010 09:56:49; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45985
 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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6; 2308.0; 16-DEC-2010 10:22:25; Bright; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;45985
7; 2431.1; 16-DEC-2010 10:24:28; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 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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17; 5306.0; 16-DEC-2010 11:12:23; Dark ; 59.0; 15; 67Alp Vir ; 0.98; 28000;occ; 118; 0;45985
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19; 5666.4; 16-DEC-2010 11:18:23; Dark ; 52.0; 106; 9Bet Crv ; 2.65; 5600;occ; 104; 0;45985
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21; 5953.8; 16-DEC-2010 11:23:11; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;45985
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23; 6282.4; 16-DEC-2010 11:28:39; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45986
24; 6507.7; 16-DEC-2010 11:32:24; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;45986
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29; 7219.1; 16-DEC-2010 11:44:16; Dark ; 38.0; 88; 31Eta CMA ; 2.45; 20000;occ; 76; 0;45986
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7; 2430.6; 16-DEC-2010 12:04:41; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;45986
8; 2644.5; 16-DEC-2010 12:08:15; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;45986
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13; 4317.3; 16-DEC-2010 12:36:08; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;45986
14; 4510.3; 16-DEC-2010 12:39:21; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;45986
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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
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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
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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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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 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
 10; -53.4; 17-DEC-2010 05:45:52; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;45996
 11; 45.2; 17-DEC-2010 05:47:30; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;45997
 12; 278.3; 17-DEC-2010 05:51:23; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;45997
 13; 500.4; 17-DEC-2010 05:55:06; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;45997
 14; 590.2; 17-DEC-2010 05:56:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45997
 15; 780.3; 17-DEC-2010 05:59:45; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45997
 16; 907.7; 17-DEC-2010 06:01:53; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;45997
 17; 1067.7; 17-DEC-2010 06:04:33; Dark ; 52.5; 117; Pi Pup ; 2.71; 3800;occ; 105; 0;45997
 18; 1259.8; 17-DEC-2010 06:07:45; Dark ; 52.0; 23; 21Eps CMa ; 1.50; 26000;occ; 104; 0;45997
 19; 1365.4; 17-DEC-2010 06:09:30; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;45997
 20; 1528.1; 17-DEC-2010 06:12:13; Dark ; 51.5; 47; 2Bet CMa ; 1.98; 28000;occ; 103; 0;45997
 21; 1738.6; 17-DEC-2010 06:15:44; Dark ; 56.0; 7; 19Bet Ori ; 0.10; 14000;occ; 112; 0;45997
 22; 1870.9; 17-DEC-2010 06:17:56; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;45997
 23; 2055.0; 17-DEC-2010 06:21:00; Dark ; 59.5; 14; 58Alp Ori ; 0.87; 3000;occ; 119; 0;45997
 24; 2176.2; 17-DEC-2010 06:23:01; Dark ; 54.0; 13; 87Alp Tau ; 0.87; 3800;occ; 108; 0;45997
 25; 2303.5; 17-DEC-2010 06:25:09; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;45997
 26; 2426.6; 17-DEC-2010 06:27:12; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;45997
 27; 2637.7; 17-DEC-2010 06:30:43; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;45997
 28; 2768.5; 17-DEC-2010 06:32:54; Bright; 41.5; 42; 34Bet Aur ; 1.90; 10200;occ; 83; 0;45997

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 3; -323.2; 18-DEC-2010 00:03:56; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;46007
 4; -46.4; 18-DEC-2010 00:08:33; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;46007
 5; 52.9; 18-DEC-2010 00:10:12; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;46008
 6; 288.1; 18-DEC-2010 00:14:07; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;46008
 7; 507.2; 18-DEC-2010 00:17:47; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46008
 8; 598.3; 18-DEC-2010 00:19:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46008

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9; 787.7; 18-DEC-2010 00:22:27; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;46008
10; 915.8; 18-DEC-2010 00:24:35; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;46008
11; 1073.7; 18-DEC-2010 00:27:13; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;46008
12; 1264.1; 18-DEC-2010 00:30:23; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;46008
13; 1369.0; 18-DEC-2010 00:32:08; Dark ; 51.0; 179; 240mi2CMA ; 3.03; 24000;occ; 102; 0;46008
14; 1545.5; 18-DEC-2010 00:35:05; Dark ; 48.0; 1; 9Alp CMA ; -1.44; 11000;occ; 96; 0;46008
15; 1739.3; 18-DEC-2010 00:38:19; Dark ; 56.0; 7; 19Bet Ori ; 0.10; 14000;occ; 112; 0;46008
16; 1869.9; 18-DEC-2010 00:40:29; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;46008
17; 2051.7; 18-DEC-2010 00:43:31; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;46008
18; 2175.5; 18-DEC-2010 00:45:35; Dark ; 54.0; 13; 87Alp Tau ; 0.87; 3800;occ; 108; 0;46008
19; 2299.5; 18-DEC-2010 00:47:39; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;46008
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21; 2631.6; 18-DEC-2010 00:53:11; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;46008
22; 2762.5; 18-DEC-2010 00:55:22; Bright; 41.5; 42; 34Bet Aur ; 1.90; 10200;occ; 83; 0;46008
23; 3685.1; 18-DEC-2010 01:10:44; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;46008
24; 3955.0; 18-DEC-2010 01:15:14; Bright; 63.0; 32; 77Eps UMA ; 1.76; 11000;occ; 126; 0;46008
25; 4114.5; 18-DEC-2010 01:17:54; Bright; 43.0; 39; 85Eta UMA ; 1.85; 24000;occ; 86; 0;46008
26; 4319.3; 18-DEC-2010 01:21:19; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;46008
27; 4514.1; 18-DEC-2010 01:24:33; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;46008
28; 4716.6; 18-DEC-2010 01:27:56; Bright; 41.0; 111; 8Eta Boo ; 2.68; 6000;occ; 82; 0;46008
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3; -1898.7; 17-DEC-2010 06:55:20; Bright; 53.5; 39; 85Eta UMA ; 1.85; 24000;occ; 107; 0;45997
4; -1695.5; 17-DEC-2010 06:58:44; Bright; 56.0; 180; 27Gam Boo ; 3.04; 8000;occ; 112; 0;45997
5; -1501.8; 17-DEC-2010 07:01:57; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;45997
6; -1301.1; 17-DEC-2010 07:05:18; Bright; 58.5; 111; 8Eta Boo ; 2.68; 6000;occ; 117; 0;45997
7; -699.2; 17-DEC-2010 07:15:20; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;45997
8; -411.9; 17-DEC-2010 07:20:07; Dark ; 48.0; 163; 7Del Crv ; 2.94; 11000;occ; 96; 0;45997
9; -334.5; 17-DEC-2010 07:21:25; Dark ; 56.5; 106; 9Bet Crv ; 2.65; 5600;occ; 113; 0;45997
10; -52.6; 17-DEC-2010 07:26:07; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;45997
11; 46.0; 17-DEC-2010 07:27:45; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;45998
12; 279.3; 17-DEC-2010 07:31:38; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45998
13; 501.0; 17-DEC-2010 07:35:20; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;45998
14; 591.0; 17-DEC-2010 07:36:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45998
15; 781.1; 17-DEC-2010 07:40:00; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;45998
16; 908.7; 17-DEC-2010 07:42:08; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;45998
17; 1068.3; 17-DEC-2010 07:44:47; Dark ; 53.5; 117; Pi Pup ; 2.71; 3800;occ; 107; 0;45998
18; 1260.3; 17-DEC-2010 07:47:59; Dark ; 54.0; 23; 21Eps CMA ; 1.50; 26000;occ; 108; 0;45998
19; 1365.9; 17-DEC-2010 07:49:45; Dark ; 49.0; 179; 240mi2CMA ; 3.03; 24000;occ; 98; 0;45998
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2; 1870.9; 17-DEC-2010 07:58:10; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;45998
3; 2054.8; 17-DEC-2010 08:01:14; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;45998
4; 2176.1; 17-DEC-2010 08:03:15; Dark ; 54.0; 13; 87Alp Tau ; 0.87; 3800;occ; 108; 0;45998
5; 2303.1; 17-DEC-2010 08:05:22; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;45998
6; 2426.3; 17-DEC-2010 08:07:25; Bright; 40.5; 28; 12Bet Tau ; 1.65; 15200;occ; 81; 0;45998
7; 2637.3; 17-DEC-2010 08:10:56; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;45998
8; 2768.0; 17-DEC-2010 08:13:07; Bright; 55.5; 42; 34Bet Aur ; 1.90; 10200;occ; 111; 0;45998
9; 3685.4; 17-DEC-2010 08:28:25; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;45998
10; 3957.6; 17-DEC-2010 08:32:57; Bright; 44.0; 32; 77Eps UMA ; 1.76; 11000;occ; 88; 0;45998
11; 4115.5; 17-DEC-2010 08:35:35; Bright; 41.0; 39; 85Eta UMA ; 1.85; 24000;occ; 82; 0;45998
12; 4318.5; 17-DEC-2010 08:38:58; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;45998
13; 4512.3; 17-DEC-2010 08:42:11; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;45998
14; 4713.4; 17-DEC-2010 08:45:33; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;45998
15; 5315.7; 17-DEC-2010 08:55:35; Dark ; 51.5; 15; 67Alp Vir ; 0.98; 28000;occ; 103; 0;45998
16; 5603.4; 17-DEC-2010 09:00:23; Dark ; 41.0; 163; 7Del Crv ; 2.94; 11000;occ; 82; 0;45998
17; 5680.8; 17-DEC-2010 09:01:40; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;45998
18; 5962.1; 17-DEC-2010 09:06:21; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;45998
19; 6060.7; 17-DEC-2010 09:08:00; Dark ; 43.0; 99; Del Cen ; 2.58; 26000;occ; 86; 0;45999
20; 6294.1; 17-DEC-2010 09:11:53; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;45999
21; 6515.8; 17-DEC-2010 09:15:35; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;45999
22; 6605.7; 17-DEC-2010 09:17:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45999
23; 6795.8; 17-DEC-2010 09:20:15; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;45999
24; 6923.4; 17-DEC-2010 09:22:23; Dark ; 52.0; 70; Zet Pup ; 2.25; 39000;occ; 104; 0;45999
25; 7082.9; 17-DEC-2010 09:25:02; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;45999
26; 7274.7; 17-DEC-2010 09:28:14; Dark ; 55.0; 23; 21Eps CMA ; 1.50; 26000;occ; 110; 0;45999

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28; 7542.4; 17-DEC-2010 09:32:41; Dark ; 48.0; 47; 2Bet Cma ; 1.98; 28000;occ; 96; 0;45999
29; 7752.9; 17-DEC-2010 09:36:12; Dark ; 13.5; 7; 19Bet Ori ; 0.10; 14000;occ; 27; 0;45999
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3; 2054.4; 17-DEC-2010 09:41:28; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;45999
4; 2176.1; 17-DEC-2010 09:43:29; Dark ; 45.5; 13; 87Alp Tau ; 0.87; 3800;occ; 91; 0;45999
5; 2302.7; 17-DEC-2010 09:45:36; Bright; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;45999
6; 2425.7; 17-DEC-2010 09:47:39; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;45999
7; 2636.6; 17-DEC-2010 09:51:10; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;45999
8; 2767.4; 17-DEC-2010 09:53:21; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;45999
9; 3685.4; 17-DEC-2010 10:08:39; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;45999
10; 3957.4; 17-DEC-2010 10:13:11; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;45999
11; 4115.2; 17-DEC-2010 10:15:48; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;45999
12; 4318.5; 17-DEC-2010 10:19:12; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;45999
13; 4512.5; 17-DEC-2010 10:22:26; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;45999
14; 4713.7; 17-DEC-2010 10:25:47; Bright; 43.0; 111; 8Eta Boo ; 2.68; 6000;occ; 86; 0;45999
15; 5316.4; 17-DEC-2010 10:35:50; Dark ; 53.5; 15; 67Alp Vir ; 0.98; 28000;occ; 107; 0;45999
16; 5604.5; 17-DEC-2010 10:40:38; Dark ; 41.0; 163; 7Del Crv ; 2.94; 11000;occ; 82; 0;45999
17; 5681.8; 17-DEC-2010 10:41:55; Dark ; 55.5; 106; 9Bet Crv ; 2.65; 5600;occ; 111; 0;45999
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19; 6061.4; 17-DEC-2010 10:48:15; Dark ; 42.5; 99; Del Cen ; 2.58; 26000;occ; 85; 0;46000
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22; 6606.4; 17-DEC-2010 10:57:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46000
23; 6796.4; 17-DEC-2010 11:00:30; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;46000
24; 6924.0; 17-DEC-2010 11:02:37; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;46000
25; 7083.3; 17-DEC-2010 11:05:16; Dark ; 50.5; 117; Pi Pup ; 2.71; 3800;occ; 101; 0;46000
26; 7275.1; 17-DEC-2010 11:08:28; Dark ; 52.5; 23; 21Eps Cma ; 1.50; 26000;occ; 105; 0;46000
27; 7380.3; 17-DEC-2010 11:10:13; Dark ; 51.0; 179; 240mi2Cma ; 3.03; 24000;occ; 102; 0;46000
28; 7558.7; 17-DEC-2010 11:13:12; Dark ; 24.5; 1; 9Alp Cma ; -1.44; 11000;occ; 49; 0;46000
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6; 2302.4; 17-DEC-2010 11:25:50; Bright; 41.5; 176; 23Zet Tau ; 3.02; 22000;occ; 83; 0;46000
7; 2425.4; 17-DEC-2010 11:27:53; Bright; 41.5; 28; 12Bet Tau ; 1.65; 15200;occ; 83; 0;46000
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9; 2766.7; 17-DEC-2010 11:33:34; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;46000
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12; 4115.2; 17-DEC-2010 11:56:02; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;46000
13; 4318.6; 17-DEC-2010 11:59:26; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;46000
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16; 5317.2; 17-DEC-2010 12:16:04; Dark ; 52.0; 15; 67Alp Vir ; 0.98; 28000;occ; 104; 0;46000
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19; 5963.3; 17-DEC-2010 12:26:50; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;46000
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21; 6295.9; 17-DEC-2010 12:32:23; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;46001
22; 6517.0; 17-DEC-2010 12:36:04; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;46001
23; 6607.1; 17-DEC-2010 12:37:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46001
24; 6797.1; 17-DEC-2010 12:40:44; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;46001
25; 6924.7; 17-DEC-2010 12:42:52; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;46001
26; 7084.0; 17-DEC-2010 12:45:31; Dark ; 55.0; 117; Pi Pup ; 2.71; 3800;occ; 110; 0;46001
27; 7275.5; 17-DEC-2010 12:48:43; Dark ; 54.5; 23; 21Eps Cma ; 1.50; 26000;occ; 109; 0;46001
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3; 1870.6; 17-DEC-2010 12:58:52; Dark ; 51.5; 30; 46Eps Ori ; 1.69; 30000;occ; 103; 0;46001
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12; 4115.2; 17-DEC-2010 13:36:16; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;46001
13; 4318.7; 17-DEC-2010 13:39:40; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;46001
14; 4512.8; 17-DEC-2010 13:42:54; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;46001
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16; 5318.1; 17-DEC-2010 13:56:19; Dark ; 52.0; 15; 67Alp Vir ; 0.98; 28000;occ; 104; 0;46001
17; 5607.2; 17-DEC-2010 14:01:08; Dark ; 35.0; 163; 7Del Crv ; 2.94; 11000;occ; 70; 0;46001
18; 5684.0; 17-DEC-2010 14:02:25; Dark ; 54.5; 106; 9Bet Crv ; 2.65; 5600;occ; 109; 0;46001
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26; 7084.5; 17-DEC-2010 14:25:46; Dark ; 50.5; 117; Pi Pup ; 2.71; 3800;occ; 101; 0;46002
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26; 6651.5; 21-DEC-2010 20:12:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46063
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13; 1386.6; 22-DEC-2010 01:26:00; Dark ; 50.5; 179; 24Omi2CMa ; 3.03; 24000;occ; 101; 0;46066
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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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5; 2393.1; 26-DEC-2010 07:37:02; Bright; 40.0; 28; 12Bet Tau ; 1.65; 15200;occ; 80; 0;46127
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9; 3920.7; 26-DEC-2010 08:02:29; Bright; 46.5; 32; 77Eps UMa ; 1.76; 11000;occ; 93; 0;46127
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27; 7574.4; 26-DEC-2010 10:43:37; Dark ; 52.5; 1; 9Alp CMa ; -1.44; 11000;occ; 105; 0;46129
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12; 4536.2; 26-DEC-2010 11:33:13; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;46129
13; 4762.3; 26-DEC-2010 11:36:59; Bright; 51.5; 111; 8Eta Boo ; 2.68; 6000;occ; 103; 0;46129
14; 5286.9; 26-DEC-2010 11:45:44; Dark ; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;46129
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23; 6878.9; 26-DEC-2010 12:12:15; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;46130
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26; 7146.3; 26-DEC-2010 13:56:57; Dark ; 48.5; 117; Pi Pup ; 2.71; 3800;occ; 97; 0;46131
27; 7321.9; 26-DEC-2010 13:59:52; Dark ; 47.0; 23; 21Eps CMa ; 1.50; 26000;occ; 94; 0;46131
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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	
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24;	6886.4;	27-DEC-2010	09:55:25;	Dark	;	44.0;	34;	Gam2Vel	;	1.79;	23000;occ;	88;	0;	46143
25;	7017.4;	27-DEC-2010	09:57:36;	Dark	;	48.0;	70;	Zet Pup	;	2.25;	39000;occ;	96;	0;	46143
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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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22; 6634.3; 31-DEC-2010 14:05:14; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;46203
23; 6729.6; 31-DEC-2010 14:06:50; Dark ; 43.5; 41; Eps Car ; 1.86; 4100;occ; 87; 0;46203
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27; 7343.0; 31-DEC-2010 14:17:03; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;46203
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 23; 6634.9; 31-DEC-2010 15:45:29; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46204
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 27; 7175.5; 31-DEC-2010 15:54:30; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;46204
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 10; 2677.9; 31-DEC-2010 16:19:46; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;46204
 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
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 16; 4745.4; 31-DEC-2010 16:54:14; Bright; 53.0; 3; 16Alp Boo ; -0.05; 4250;occ; 106; 0;46204
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 21; 6112.2; 31-DEC-2010 17:17:00; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;46205
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 23; 6480.3; 31-DEC-2010 17:23:08; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46205
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 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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 23; 6221.9; 31-DEC-2010 18:59:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46206
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 26; 6749.9; 31-DEC-2010 19:07:52; Dark ; 47.0; 46; Del Vel ; 1.95; 10600;occ; 94; 0;46206
 27; 6920.5; 31-DEC-2010 19:10:43; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;46206
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2;	1162.1;	31-DEC-2010	19:14:59;	Dark	;	47.0;	117;	Pi Pup	;	2.71;	3800;occ;	94;	0;	46206
3;	1329.8;	31-DEC-2010	19:17:46;	Dark	;	44.0;	23;	21Eps CMa	;	1.50;	26000;occ;	88;	0;	46206
4;	1422.0;	31-DEC-2010	19:19:18;	Dark	;	42.5;	179;	24Omi2CMa	;	3.03;	24000;occ;	85;	0;	46206
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6;	1719.2;	31-DEC-2010	19:24:16;	Dark	;	42.0;	56;	53Kap Ori	;	2.07;	30000;occ;	84;	0;	46206
7;	1869.3;	31-DEC-2010	19:26:46;	Dark	;	44.5;	30;	46Eps Ori	;	1.69;	30000;occ;	89;	0;	46206
8;	2020.2;	31-DEC-2010	19:29:17;	Dark	;	55.0;	14;	58Alp Ori	;	0.87;	3000;occ;	110;	0;	46206
9;	2215.8;	31-DEC-2010	19:32:32;	Dark	;	57.0;	44;	24Gam Gem	;	1.93;	11000;occ;	114;	0;	46206
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