

GOMOS Daily Report 06-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 15:46:35
Data source version	GOMOS/5.01
Start time of products	06DEC2010 00:11:47
Stop time of products	06DEC2010 23:58:00
Store outputs in DB	No
Nb of level 1b prods	142
Nb of prods with errors	1

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

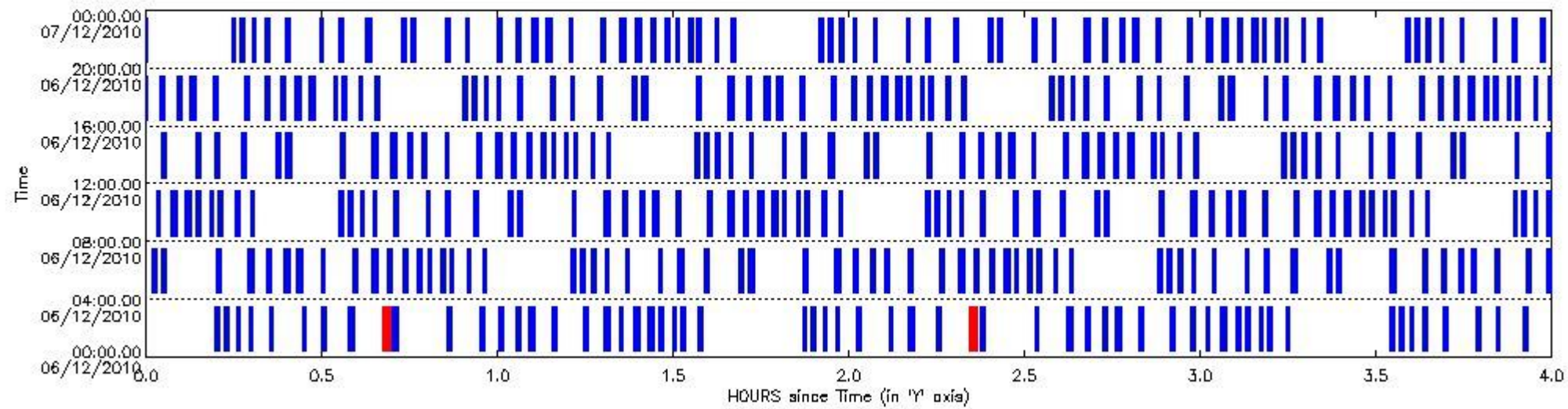
2.1 Level 0 products arrived in PCF (see template [here](#))

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
06-DEC-2010 00:40:24	4GamCrv	100	45835
06-DEC-2010 02:20:39	4GamCrv	100	45836

2.4 Summary of processed GOM_TRA_1P products

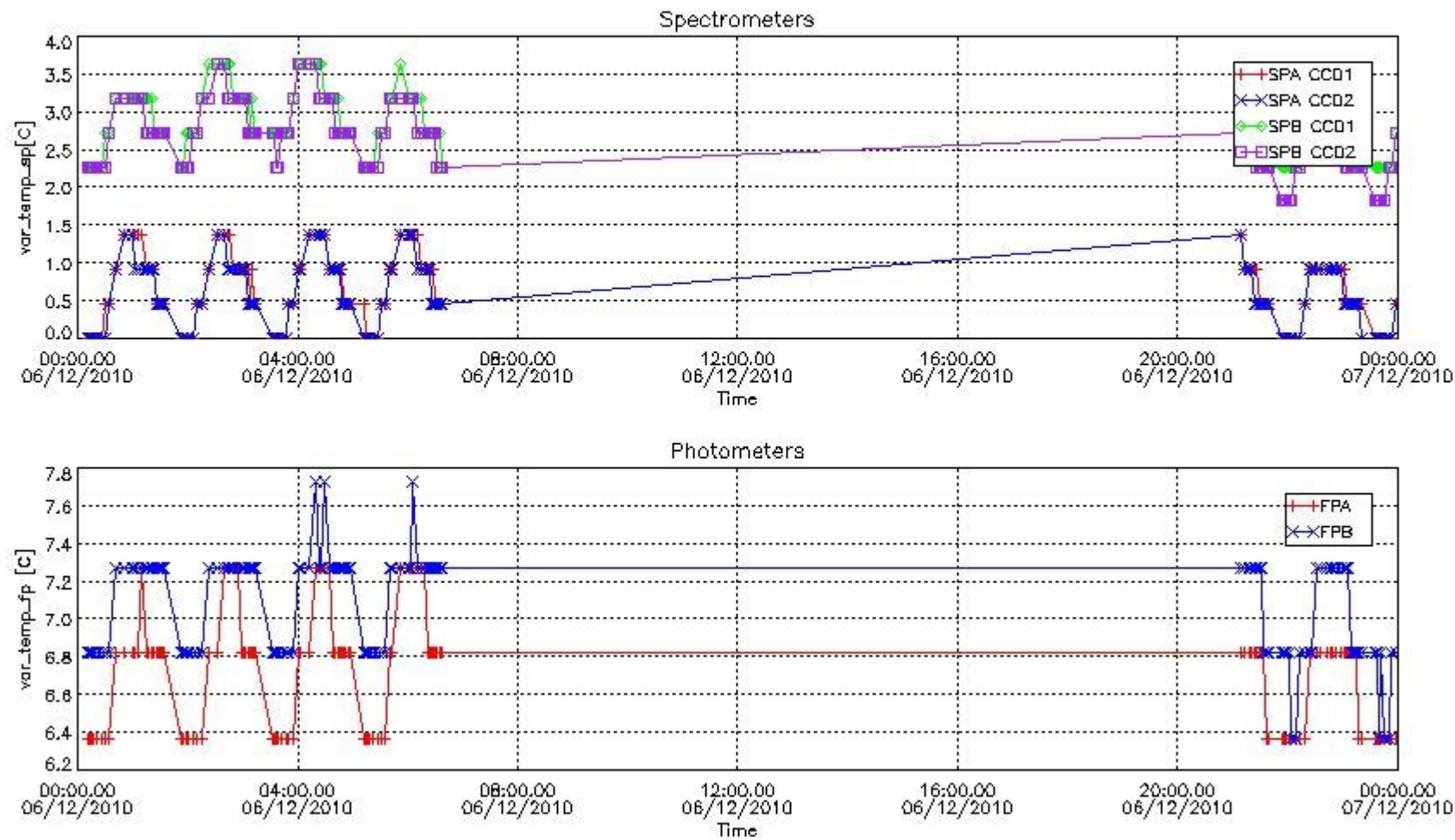
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20101206_001147_000000473097_00131_45835_4208.N1	06-DEC-2010 00:11:47	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	45835	No
2	GOM_TRA_1PNPDE20101206_001321_000000483097_00131_45835_4209.N1	06-DEC-2010 00:13:21	Bright	48.000	82	48Bet UMa	2.3650	10600.	96	45835	No
3	GOM_TRA_1PNPDE20101206_001519_000000393097_00131_45835_4210.N1	06-DEC-2010 00:15:19	Bright	38.500	32	77Eps UMa	1.7630	11000.	77	45835	No
4	GOM_TRA_1PNPDE20101206_001733_000000383097_00131_45835_4211.N1	06-DEC-2010 00:17:33	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	45835	No
5	GOM_TRA_1PNPDE20101206_002103_000000413097_00131_45835_4212.N1	06-DEC-2010 00:21:03	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	45835	No
6	GOM_TRA_1PNPDE20101206_002641_000000373097_00131_45835_4213.N1	06-DEC-2010 00:26:41	Bright	36.500	111	8Eta Boo	2.6800	6000.0	73	45835	No
7	GOM_TRA_1PNPDE20101206_002958_000000443097_00131_45835_4214.N1	06-DEC-2010 00:29:58	Bright	43.500	138	47Eps Vir	2.8280	4700.0	87	45835	No
8	GOM_TRA_1PNPDE20101206_003433_000000523097_00131_45835_4215.N1	06-DEC-2010 00:34:33	Bright	52.000	121	29Gam Vir	2.7400	7200.0	104	45835	No
9	GOM_TRA_1PNPDE20101206_004205_000000513097_00131_45835_4241.N1	06-DEC-2010 00:42:05	Dark	51.000	171	2Eps Crv	3.0010	4250.0	102	45835	No

10	GOM_TRA_1PNPDE20101206_005126_000000453097_00132_45836_4242.N1	06-DEC-2010 00:51:26	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	45836	No
11	GOM_TRA_1PNPDE20101206_010004_000000523097_00132_45836_4243.N1	06-DEC-2010 01:00:04	Dark	51.500	34	Gam2Vel	1.7930	23000.	103	45836	No
12	GOM_TRA_1PNPDE20101206_010301_000000573097_00132_45836_4244.N1	06-DEC-2010 01:03:01	Dark	57.000	2	Alp Car	-0.73600	7000.0	114	45836	No
13	GOM_TRA_1PNPDE20101206_010512_000000633097_00132_45836_4245.N1	06-DEC-2010 01:05:12	Dark	62.500	117	Pi Pup	2.7060	3800.0	125	45836	No
14	GOM_TRA_1PNPDE20101206_010916_000000453097_00132_45836_4246.N1	06-DEC-2010 01:09:16	Dark	44.500	108	Alp Col	2.6520	15200.	89	45836	No
15	GOM_TRA_1PNPDE20101206_011441_000000493097_00132_45836_4247.N1	06-DEC-2010 01:14:41	Straylight	49.000	101	11Alp Lep	2.5820	7000.0	98	45836	No
16	GOM_TRA_1PNPDE20101206_011803_000000613097_00132_45836_4248.N1	06-DEC-2010 01:18:03	Straylight	61.000	7	19Bet Ori	0.10000	14000.	122	45836	No
17	GOM_TRA_1PNPDE20101206_012043_000000323097_00132_45836_4249.N1	06-DEC-2010 01:20:43	Straylight	32.000	30	46Eps Ori	1.6940	30000.	64	45836	No
18	GOM_TRA_1PNPDE20101206_012317_000000593097_00132_45836_4250.N1	06-DEC-2010 01:23:17	Tw_i_and_stray	59.000	27	24Gam Ori	1.6360	26000.	118	45836	No
19	GOM_TRA_1PNPDE20101206_012544_000000593097_00132_45836_4251.N1	06-DEC-2010 01:25:44	Bright	59.000	13	87Alp Tau	0.86700	3800.0	118	45836	No
20	GOM_TRA_1PNPDE20101206_012734_000000373097_00132_45836_4252.N1	06-DEC-2010 01:27:34	Bright	37.000	146	25Eta Tau	2.8730	15200.	74	45836	No
21	GOM_TRA_1PNPDE20101206_012950_000000373097_00132_45836_4253.N1	06-DEC-2010 01:29:50	Bright	36.500	150	44Zet Per	2.8900	28000.	73	45836	No
22	GOM_TRA_1PNPDE20101206_013118_000000443097_00132_45836_4254.N1	06-DEC-2010 01:31:18	Bright	44.000	114	3lot Aur	2.6930	4600.0	88	45836	No
23	GOM_TRA_1PNPDE20101206_013418_000000363097_00132_45836_4255.N1	06-DEC-2010 01:34:18	Bright	36.000	175	39Del Per	3.0100	19400.	72	45836	No
24	GOM_TRA_1PNPDE20101206_015201_000000463097_00132_45836_4256.N1	06-DEC-2010 01:52:01	Bright	45.500	36	50Alp UMa	1.8000	6300.0	91	45836	No
25	GOM_TRA_1PNPDE20101206_015334_000000483097_00132_45836_4257.N1	06-DEC-2010 01:53:34	Bright	48.000	82	48Bet UMa	2.3650	10600.	96	45836	No
26	GOM_TRA_1PNPDE20101206_015533_000000413097_00132_45836_4258.N1	06-DEC-2010 01:55:33	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	45836	No
27	GOM_TRA_1PNPDE20101206_015747_000000383097_00132_45836_4259.N1	06-DEC-2010 01:57:47	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	45836	No
28	GOM_TRA_1PNPDE20101206_020117_000000413097_00132_45836_4260.N1	06-DEC-2010 02:01:17	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	45836	No
29	GOM_TRA_1PNPDE20101206_020655_000000373097_00132_45836_4261.N1	06-DEC-2010 02:06:55	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	45836	No
30	GOM_TRA_1PNPDE20101206_021013_000000633097_00132_45836_4262.N1	06-DEC-2010 02:10:13	Bright	62.500	138	47Eps Vir	2.8280	4700.0	125	45836	No
31	GOM_TRA_1PNPDE20101206_021448_000000523097_00132_45836_4265.N1	06-DEC-2010 02:14:48	Bright	51.500	121	29Gam Vir	2.7400	7200.0	103	45836	No
32	GOM_TRA_1PNPDE20101206_022220_000000503097_00132_45836_4266.N1	06-DEC-2010 02:22:20	Dark	50.000	171	2Eps Crv	3.0010	4250.0	100	45836	No
33	GOM_TRA_1PNPDE20101206_023141_000000443097_00133_45837_4267.N1	06-DEC-2010 02:31:41	Dark	43.500	113	Mu Vel	2.6920	5000.0	87	45837	No
34	GOM_TRA_1PNPDE20101206_024019_000000513097_00133_45837_4268.N1	06-DEC-2010 02:40:19	Dark	50.500	34	Gam2Vel	1.7930	23000.	101	45837	No
35	GOM_TRA_1PNPDE20101206_024315_000000523097_00133_45837_4269.N1	06-DEC-2010 02:43:15	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	45837	No
36	GOM_TRA_1PNPDE20101206_024527_000000623097_00133_45837_4270.N1	06-DEC-2010 02:45:27	Dark	61.500	117	Pi Pup	2.7060	3800.0	123	45837	No
37	GOM_TRA_1PNPDE20101206_024931_000000463097_00133_45837_4271.N1	06-DEC-2010 02:49:31	Dark	45.500	108	Alp Col	2.6520	15200.	91	45837	No
38	GOM_TRA_1PNPDE20101206_025455_000000513097_00133_45837_4272.N1	06-DEC-2010 02:54:55	Straylight	50.500	101	11Alp Lep	2.5820	7000.0	101	45837	No
39	GOM_TRA_1PNPDE20101206_025817_000000573097_00133_45837_4273.N1	06-DEC-2010 02:58:17	Straylight	56.500	7	19Bet Ori	0.10000	14000.	113	45837	No
40	GOM_TRA_1PNPDE20101206_030057_000000323097_00133_45837_4274.N1	06-DEC-2010 03:00:57	Straylight	32.000	30	46Eps Ori	1.6940	30000.	64	45837	No
41	GOM_TRA_1PNPDE20101206_030331_000000593097_00133_45837_4275.N1	06-DEC-2010 03:03:31	Tw_i_and_stray	59.000	27	24Gam Ori	1.6360	26000.	118	45837	No
42	GOM_TRA_1PNPDE20101206_030558_000000573097_00133_45837_4276.N1	06-DEC-2010 03:05:58	Bright	57.000	13	87Alp Tau	0.86700	3800.0	114	45837	No
43	GOM_TRA_1PNPDE20101206_030748_000000393097_00133_45837_4277.N1	06-DEC-2010 03:07:48	Bright	39.000	146	25Eta Tau	2.8730	15200.	78	45837	No
44	GOM_TRA_1PNPDE20101206_031004_000000383097_00133_45837_4278.N1	06-DEC-2010 03:10:04	Bright	37.500	150	44Zet Per	2.8900	28000.	75	45837	No
45	GOM_TRA_1PNPDE20101206_031132_000000433097_00133_45837_4279.N1	06-DEC-2010 03:11:32	Bright	43.000	114	3lot Aur	2.6930	4600.0	86	45837	No
46	GOM_TRA_1PNPDE20101206_031432_000000373097_00133_45837_4280.N1	06-DEC-2010 03:14:32	Bright	36.500	175	39Del Per	3.0100	19400.	73	45837	No
47	GOM_TRA_1PNPDE20101206_033215_000000463097_00133_45837_4309.N1	06-DEC-2010 03:32:15	Bright	45.500	36	50Alp UMa	1.8000	6300.0	91	45837	No
48	GOM_TRA_1PNPDE20101206_033348_000000493097_00133_45837_4310.N1	06-DEC-2010 03:33:48	Bright	49.000	82	48Bet UMa	2.3650	10600.	98	45837	No
49	GOM_TRA_1PNPDE20101206_033547_000000403097_00133_45837_4311.N1	06-DEC-2010 03:35:47	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	45837	No
50	GOM_TRA_1PNPDE20101206_033801_000000373097_00133_45837_4312.N1	06-DEC-2010 03:38:01	Bright	37.000	39	85Eta UMa	1.8540	24000.	74	45837	No
51	GOM_TRA_1PNPDE20101206_034131_000000403097_00133_45837_4313.N1	06-DEC-2010 03:41:31	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	45837	No
52	GOM_TRA_1PNPDE20101206_034709_000000363097_00133_45837_4314.N1	06-DEC-2010 03:47:09	Bright	35.500	111	8Eta Boo	2.6800	6000.0	71	45837	No
53	GOM_TRA_1PNPDE20101206_035027_000000433097_00133_45837_4315.N1	06-DEC-2010 03:50:27	Bright	43.000	138	47Eps Vir	2.8280	4700.0	86	45837	No
54	GOM_TRA_1PNPDE20101206_035503_000000533097_00133_45837_4316.N1	06-DEC-2010 03:55:03	Bright	53.000	121	29Gam Vir	2.7400	7200.0	106	45837	No
55	GOM_TRA_1PNPDE20101206_040058_000000483097_00133_45837_4317.N1	06-DEC-2010 04:00:58	Dark	48.000	100	4Gam Crv	2.5800	13100.	96	45837	No
56	GOM_TRA_1PNPDE20101206_040234_000000493097_00133_45837_4318.N1	06-DEC-2010 04:02:34	Dark	49.000	171	2Eps Crv	3.0010	4250.0	98	45837	No
57	GOM_TRA_1PNPDE20101206_041156_000000453097_00134_45838_4319.N1	06-DEC-2010 04:11:56	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	45838	No
58	GOM_TRA_1PNPDE20101206_042034_000000533097_00134_45838_4320.N1	06-DEC-2010 04:20:34	Dark	52.500	34	Gam2Vel	1.7930	23000.	105	45838	No
59	GOM_TRA_1PNPDE20101206_042330_000000553097_00134_45838_4321.N1	06-DEC-2010 04:23:30	Dark	54.500	2	Alp Car	-0.73600	7000.0	109	45838	No
60	GOM_TRA_1PNPDE20101206_042541_000000643097_00134_45838_4322.N1	06-DEC-2010 04:25:41	Dark	64.000	117	Pi Pup	2.7060	3800.0	128	45838	No
61	GOM_TRA_1PNPDE20101206_042946_000000453097_00134_45838_4323.N1	06-DEC-2010 04:29:46	Dark	44.500	108	Alp Col	2.6520	15200.	89	45838	No
62	GOM_TRA_1PNPDE20101206_043509_000000523097_00134_45838_4324.N1	06-DEC-2010 04:35:09	Straylight	51.500	101	11Alp Lep	2.5820	7000.0	103	45838	No
63	GOM_TRA_1PNPDE20101206_043831_000000553097_00134_45838_4325.N1	06-DEC-2010 04:38:31	Straylight	55.000	7	19Bet Ori	0.10000	14000.	110	45838	No
64	GOM_TRA_1PNPDE20101206_044111_000000393097_00134_45838_4326.N1	06-DEC-2010 04:41:11	Straylight	39.000	30	46Eps Ori	1.6940	30000.	78	45838	No
65	GOM_TRA_1PNPDE20101206_044345_000000583097_00134_45838_4327.N1	06-DEC-2010 04:43:45	Tw_i_and_stray	57.500	27	24Gam Ori	1.6360	26000.	115	45838	No
66	GOM_TRA_1PNPDE20101206_044612_000000543097_00134_45838_4328.N1	06-DEC-2010 04:46:12	Bright	54.000	13	87Alp Tau	0.86700	3800.0	108	45838	No
67	GOM_TRA_1PNPDE20101206_044802_000000393097_00134_45838_4329.N1	06-DEC-2010 04:48:02	Bright	38.500	146	25Eta Tau	2.8730	15200.	77	45838	No
68	GOM_TRA_1PNPDE20101206_045019_000000373097_00134_45838_4330.N1	06-DEC-2010 04:50:19	Bright	37.000	150	44Zet Per	2.8900	28000.	74	45838	No

69	GOM_TRA_1PNPDE20101206_045146_000000443097_00134_45838_4331.N1	06-DEC-2010 04:51:46	Bright	44.000	114	3lot Aur	2.6930	4600.0	88	45838	No
70	GOM_TRA_1PNPDE20101206_045446_000000373097_00134_45838_4332.N1	06-DEC-2010 04:54:46	Bright	36.500	175	39Del Per	3.0100	19400.	73	45838	No
71	GOM_TRA_1PNPDE20101206_045730_000000263097_00134_45838_4333.N1	06-DEC-2010 04:57:30	Tw_i_and_stray	25.500	42	34Bet Aur	1.9000	10200.	51	45838	No
72	GOM_TRA_1PNPDE20101206_051229_000000473097_00134_45838_4356.N1	06-DEC-2010 05:12:29	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	45838	No
73	GOM_TRA_1PNPDE20101206_051402_000000493097_00134_45838_4357.N1	06-DEC-2010 05:14:02	Bright	48.500	82	48Bet UMa	2.3650	10600.	97	45838	No
74	GOM_TRA_1PNPDE20101206_051601_000000413097_00134_45838_4358.N1	06-DEC-2010 05:16:01	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	45838	No
75	GOM_TRA_1PNPDE20101206_051815_000000373097_00134_45838_4359.N1	06-DEC-2010 05:18:15	Bright	36.500	39	85Eta UMa	1.8540	24000.	73	45838	No
76	GOM_TRA_1PNPDE20101206_052145_000000413097_00134_45838_4360.N1	06-DEC-2010 05:21:45	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	45838	No
77	GOM_TRA_1PNPDE20101206_052724_000000373097_00134_45838_4361.N1	06-DEC-2010 05:27:24	Bright	36.500	111	8Eta Boo	2.6800	6000.0	73	45838	No
78	GOM_TRA_1PNPDE20101206_053042_000000633097_00134_45838_4362.N1	06-DEC-2010 05:30:42	Bright	63.000	138	47Eps Vir	2.8280	4700.0	126	45838	No
79	GOM_TRA_1PNPDE20101206_053518_000000503097_00134_45838_4363.N1	06-DEC-2010 05:35:18	Bright	50.000	121	29Gam Vir	2.7400	7200.0	100	45838	No
80	GOM_TRA_1PNPDE20101206_054113_000000523097_00134_45838_4364.N1	06-DEC-2010 05:41:13	Dark	52.000	100	4Gam Crv	2.5800	13100.	104	45838	No
81	GOM_TRA_1PNPDE20101206_054250_000000543097_00134_45838_4365.N1	06-DEC-2010 05:42:50	Dark	53.500	171	2Eps Crv	3.0010	4250.0	107	45838	No
82	GOM_TRA_1PNPDE20101206_055210_000000453097_00135_45839_4366.N1	06-DEC-2010 05:52:10	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	45839	No
83	GOM_TRA_1PNPDE20101206_060049_000000503097_00135_45839_4367.N1	06-DEC-2010 06:00:49	Dark	49.500	34	Gam2Vel	1.7930	23000.	99	45839	No
84	GOM_TRA_1PNPDE20101206_060344_000000503097_00135_45839_4368.N1	06-DEC-2010 06:03:44	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	45839	No
85	GOM_TRA_1PNPDE20101206_060556_000000603097_00135_45839_4369.N1	06-DEC-2010 06:05:56	Dark	60.000	117	Pi Pup	2.7060	3800.0	120	45839	No
86	GOM_TRA_1PNPDE20101206_061000_000000463097_00135_45839_4370.N1	06-DEC-2010 06:10:00	Dark	45.500	108	Alp Col	2.6520	15200.	91	45839	No
87	GOM_TRA_1PNPDE20101206_061523_000000523097_00135_45839_4371.N1	06-DEC-2010 06:15:23	Straylight	52.000	101	11Alp Lep	2.5820	7000.0	104	45839	No
88	GOM_TRA_1PNPDE20101206_061845_000000533097_00135_45839_4372.N1	06-DEC-2010 06:18:45	Straylight	53.000	7	19Bet Ori	0.10000	14000.	106	45839	No
89	GOM_TRA_1PNPDE20101206_062125_000000393097_00135_45839_4373.N1	06-DEC-2010 06:21:25	Straylight	39.000	30	46Eps Ori	1.6940	30000.	78	45839	No
90	GOM_TRA_1PNPDE20101206_062358_000000573097_00135_45839_4374.N1	06-DEC-2010 06:23:58	Tw_i_and_stray	56.500	27	24Gam Ori	1.6360	26000.	113	45839	No
91	GOM_TRA_1PNPDE20101206_062626_000000593097_00135_45839_4375.N1	06-DEC-2010 06:26:26	Bright	59.000	13	87Alp Tau	0.86700	3800.0	118	45839	No
92	GOM_TRA_1PNPDE20101206_062816_000000373097_00135_45839_4376.N1	06-DEC-2010 06:28:16	Bright	37.000	146	25Eta Tau	2.8730	15200.	74	45839	No
93	GOM_TRA_1PNPDE20101206_063033_000000373097_00135_45839_4377.N1	06-DEC-2010 06:30:33	Bright	37.000	150	44Zet Per	2.8900	28000.	74	45839	No
94	GOM_TRA_1PNPDE20101206_063159_000000453097_00135_45839_4378.N1	06-DEC-2010 06:31:59	Bright	44.500	114	3lot Aur	2.6930	4600.0	89	45839	No
95	GOM_TRA_1PNPDE20101206_063500_000000363097_00135_45839_4379.N1	06-DEC-2010 06:35:00	Bright	36.000	175	39Del Per	3.0100	19400.	72	45839	No
96	GOM_TRA_1PNPDE20101206_063744_000000263097_00135_45839_4380.N1	06-DEC-2010 06:37:44	Tw_i_and_stray	25.500	42	34Bet Aur	1.9000	10200.	51	45839	No
97	GOM_TRA_1PNPDE20101206_210809_000000603097_00144_45848_4491.N1	06-DEC-2010 21:08:09	Dark	60.000	117	Pi Pup	2.7060	3800.0	120	45848	Yes
98	GOM_TRA_1PNPDE20101206_211210_000000433097_00144_45848_4492.N1	06-DEC-2010 21:12:10	Dark	43.000	108	Alp Col	2.6520	15200.	86	45848	No
99	GOM_TRA_1PNPDE20101206_211731_000000523097_00144_45848_4493.N1	06-DEC-2010 21:17:31	Straylight	51.500	101	11Alp Lep	2.5820	7000.0	103	45848	No
100	GOM_TRA_1PNPDE20101206_212051_000000563097_00144_45848_4494.N1	06-DEC-2010 21:20:51	Straylight	56.000	7	19Bet Ori	0.10000	14000.	112	45848	No
101	GOM_TRA_1PNPDE20101206_212329_000000593097_00144_45848_4495.N1	06-DEC-2010 21:23:29	Straylight	58.500	30	46Eps Ori	1.6940	30000.	117	45848	No
102	GOM_TRA_1PNPDE20101206_212601_000000553097_00144_45848_4496.N1	06-DEC-2010 21:26:01	Tw_i_and_stray	55.000	27	24Gam Ori	1.6360	26000.	110	45848	No
103	GOM_TRA_1PNPDE20101206_212830_000000593097_00144_45848_4497.N1	06-DEC-2010 21:28:30	Bright	59.000	13	87Alp Tau	0.86700	3800.0	118	45848	No
104	GOM_TRA_1PNPDE20101206_213022_000000383097_00144_45848_4498.N1	06-DEC-2010 21:30:22	Bright	38.000	146	25Eta Tau	2.8730	15200.	76	45848	No
105	GOM_TRA_1PNPDE20101206_213238_000000383097_00144_45848_4499.N1	06-DEC-2010 21:32:38	Bright	38.000	150	44Zet Per	2.8900	28000.	76	45848	No
106	GOM_TRA_1PNPDE20101206_213401_000000443097_00144_45848_4500.N1	06-DEC-2010 21:34:01	Bright	44.000	114	3lot Aur	2.6930	4600.0	88	45848	No
107	GOM_TRA_1PNPDE20101206_213706_000000363097_00144_45848_4501.N1	06-DEC-2010 21:37:06	Bright	36.000	175	39Del Per	3.0100	19400.	72	45848	No
108	GOM_TRA_1PNPDE20101206_213943_000000493097_00144_45848_4502.N1	06-DEC-2010 21:39:43	Bright	48.500	42	34Bet Aur	1.9000	10200.	97	45848	No
109	GOM_TRA_1PNPDE20101206_215445_000000483097_00144_45848_4503.N1	06-DEC-2010 21:54:45	Bright	47.500	36	50Alp UMa	1.8000	6300.0	95	45848	No
110	GOM_TRA_1PNPDE20101206_215617_000000493097_00144_45848_4504.N1	06-DEC-2010 21:56:17	Bright	49.000	82	48Bet UMa	2.3650	10600.	98	45848	No
111	GOM_TRA_1PNPDE20101206_215821_000000423097_00144_45848_4505.N1	06-DEC-2010 21:58:21	Bright	42.000	32	77Eps UMa	1.7630	11000.	84	45848	No
112	GOM_TRA_1PNPDE20101206_220036_000000383097_00144_45848_4506.N1	06-DEC-2010 22:00:36	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	45848	No
113	GOM_TRA_1PNPDE20101206_220406_000000413097_00144_45848_4507.N1	06-DEC-2010 22:04:06	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	45848	No
114	GOM_TRA_1PNPDE20101206_220947_000000363097_00144_45848_4508.N1	06-DEC-2010 22:09:47	Bright	36.000	111	8Eta Boo	2.6800	6000.0	72	45848	No
115	GOM_TRA_1PNPDE20101206_221306_000000463097_00144_45848_4509.N1	06-DEC-2010 22:13:06	Bright	45.500	138	47Eps Vir	2.8280	4700.0	91	45848	No
116	GOM_TRA_1PNPDE20101206_221745_000000533097_00144_45848_4510.N1	06-DEC-2010 22:17:45	Bright	52.500	121	29Gam Vir	2.7400	7200.0	105	45848	No
117	GOM_TRA_1PNPDE20101206_222343_000000543097_00144_45848_4541.N1	06-DEC-2010 22:23:43	Dark	54.000	100	4Gam Crv	2.5800	13100.	108	45848	No
118	GOM_TRA_1PNPDE20101206_222520_000000553097_00144_45848_4542.N1	06-DEC-2010 22:25:20	Dark	54.500	171	2Eps Crv	3.0010	4250.0	109	45848	No
119	GOM_TRA_1PNPDE20101206_223119_000000403097_00144_45848_4543.N1	06-DEC-2010 22:31:19	Dark	40.000	99	Del Cen	2.5750	26000.	80	45848	No
120	GOM_TRA_1PNPDE20101206_223439_000000443097_00145_45849_4544.N1	06-DEC-2010 22:34:39	Dark	44.000	113	Mu Vel	2.6920	5000.0	88	45849	No
121	GOM_TRA_1PNPDE20101206_224318_000000503097_00145_45849_4545.N1	06-DEC-2010 22:43:18	Dark	49.500	34	Gam2Vel	1.7930	23000.	99	45849	No
122	GOM_TRA_1PNPDE20101206_224609_000000483097_00145_45849_4546.N1	06-DEC-2010 22:46:09	Dark	47.500	2	Alp Car	-0.73600	7000.0	95	45849	No
123	GOM_TRA_1PNPDE20101206_224824_000000603097_00145_45849_4547.N1	06-DEC-2010 22:48:24	Dark	59.500	117	Pi Pup	2.7060	3800.0	119	45849	No
124	GOM_TRA_1PNPDE20101206_225224_000000453097_00145_45849_4548.N1	06-DEC-2010 22:52:24	Dark	44.500	108	Alp Col	2.6520	15200.	89	45849	No
125	GOM_TRA_1PNPDE20101206_225745_000000523097_00145_45849_4549.N1	06-DEC-2010 22:57:45	Straylight	51.500	101	11Alp Lep	2.5820	7000.0	103	45849	No
126	GOM_TRA_1PNPDE20101206_230105_000000583097_00145_45849_4550.N1	06-DEC-2010 23:01:05	Straylight	57.500	7	19Bet Ori	0.10000	14000.	115	45849	No
127	GOM_TRA_1PNPDE20101206_230343_000000543097_00145_45849_4551.N1	06-DEC-2010 23:03:43	Straylight	54.000	30	46Eps Ori	1.6940	30000.	108	45849	No

128	GOM_TRA_1PNPDE20101206_230615_000000533097_00145_45849_4552.N1	06-DEC-2010 23:06:15	Twilight_stray	52.500	27	24Gam Ori	1.6360	26000.	105	45849	No
129	GOM_TRA_1PNPDE20101206_230844_000000593097_00145_45849_4553.N1	06-DEC-2010 23:08:44	Bright	59.000	13	87Alp Tau	0.86700	3800.0	118	45849	No
130	GOM_TRA_1PNPDE20101206_231035_000000373097_00145_45849_4554.N1	06-DEC-2010 23:10:35	Bright	36.500	146	25Eta Tau	2.8730	15200.	73	45849	No
131	GOM_TRA_1PNPDE20101206_231251_000000373097_00145_45849_4555.N1	06-DEC-2010 23:12:51	Bright	36.500	150	44Zet Per	2.8900	28000.	73	45849	No
132	GOM_TRA_1PNPDE20101206_231415_000000443097_00145_45849_4556.N1	06-DEC-2010 23:14:15	Bright	44.000	114	3Iot Aur	2.6930	4600.0	88	45849	No
133	GOM_TRA_1PNPDE20101206_231719_000000363097_00145_45849_4557.N1	06-DEC-2010 23:17:19	Bright	36.000	175	39Del Per	3.0100	19400.	72	45849	No
134	GOM_TRA_1PNPDE20101206_231956_000000463097_00145_45849_4558.N1	06-DEC-2010 23:19:56	Bright	46.000	42	34Bet Aur	1.9000	10200.	92	45849	No
135	GOM_TRA_1PNPDE20101206_233458_000000463097_00145_45849_4559.N1	06-DEC-2010 23:34:58	Bright	46.000	36	50Alp UMa	1.8000	6300.0	92	45849	No
136	GOM_TRA_1PNPDE20101206_233631_000000483097_00145_45849_4560.N1	06-DEC-2010 23:36:31	Bright	48.000	82	48Bet UMa	2.3650	10600.	96	45849	No
137	GOM_TRA_1PNPDE20101206_233834_000000383097_00145_45849_4561.N1	06-DEC-2010 23:38:34	Bright	37.500	32	77Eps UMa	1.7630	11000.	75	45849	No
138	GOM_TRA_1PNPDE20101206_234049_000000373097_00145_45849_4562.N1	06-DEC-2010 23:40:49	Bright	37.000	39	85Eta UMa	1.8540	24000.	74	45849	No
139	GOM_TRA_1PNPDE20101206_234420_000000413097_00145_45849_4563.N1	06-DEC-2010 23:44:20	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	45849	No
140	GOM_TRA_1PNPDE20101206_235001_000000373097_00145_45849_4564.N1	06-DEC-2010 23:50:01	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	45849	No
141	GOM_TRA_1PNPDE20101206_235321_000000443097_00145_45849_4565.N1	06-DEC-2010 23:53:21	Bright	44.000	138	47Eps Vir	2.8280	4700.0	88	45849	No
142	GOM_TRA_1PNPDE20101206_235800_000000543097_00145_45849_4566.N1	06-DEC-2010 23:58:00	Bright	53.500	121	29Gam Vir	2.7400	7200.0	107	45849	No

3. Plot of GOMOS spectrometers and photometers temperatures from level 1b data



4. Overview of dark signal processing per product

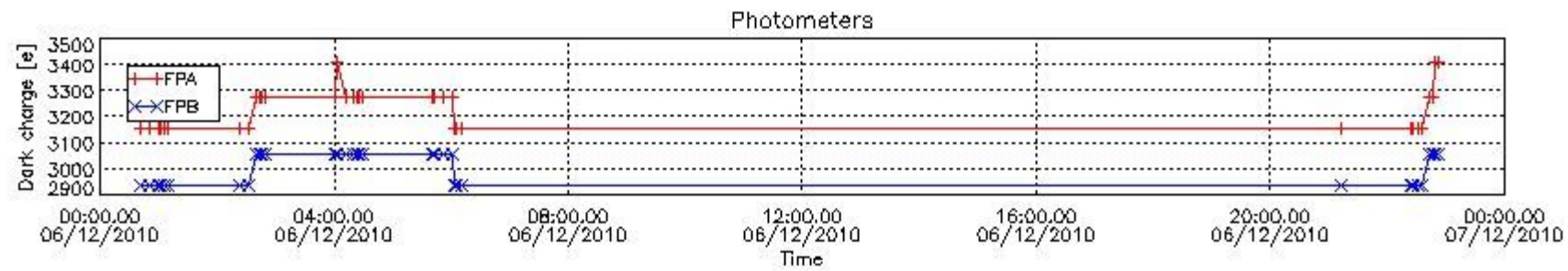
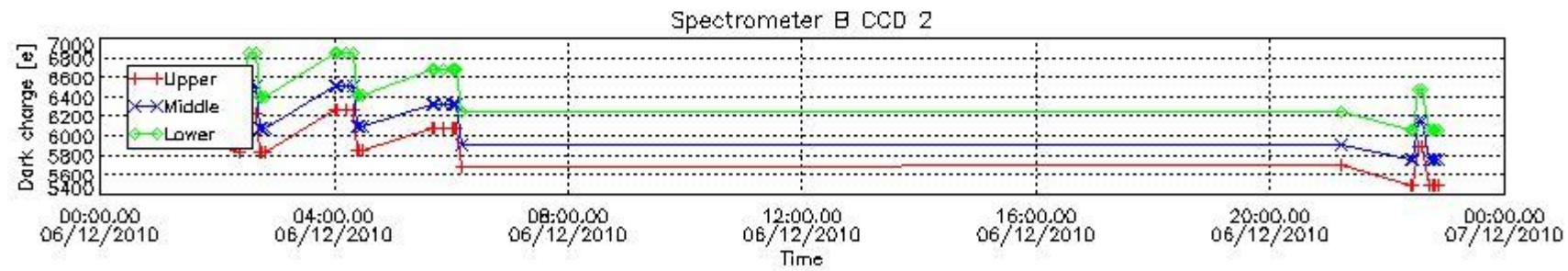
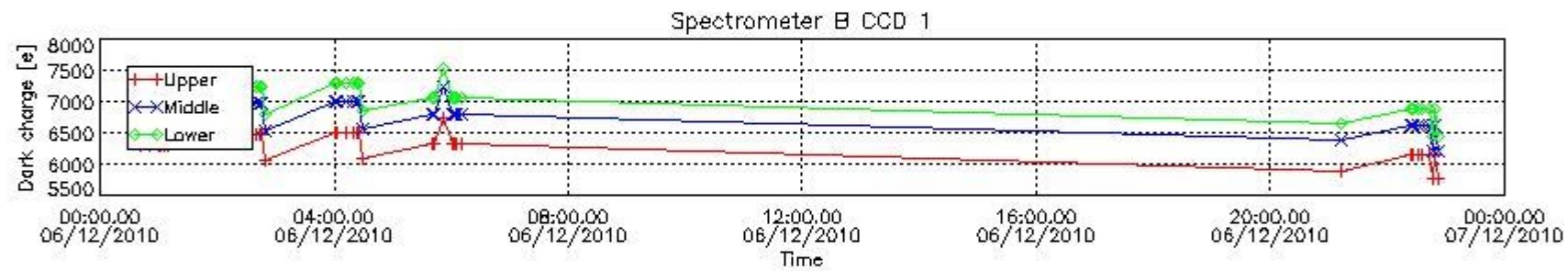
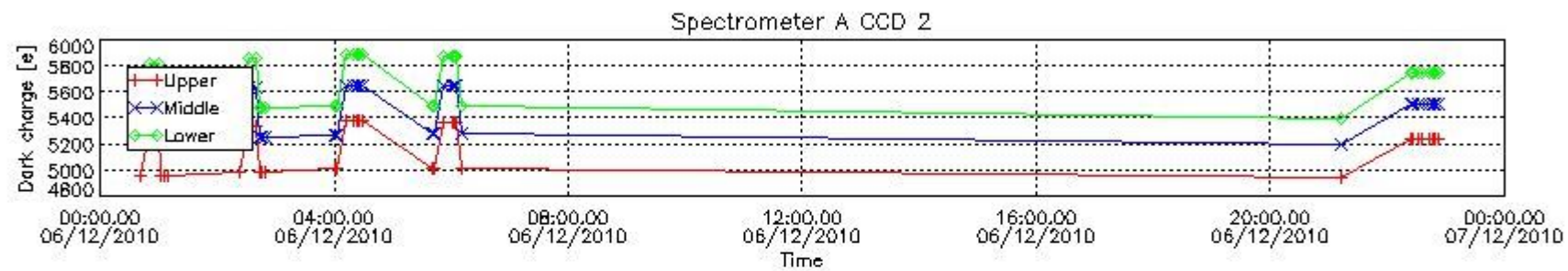
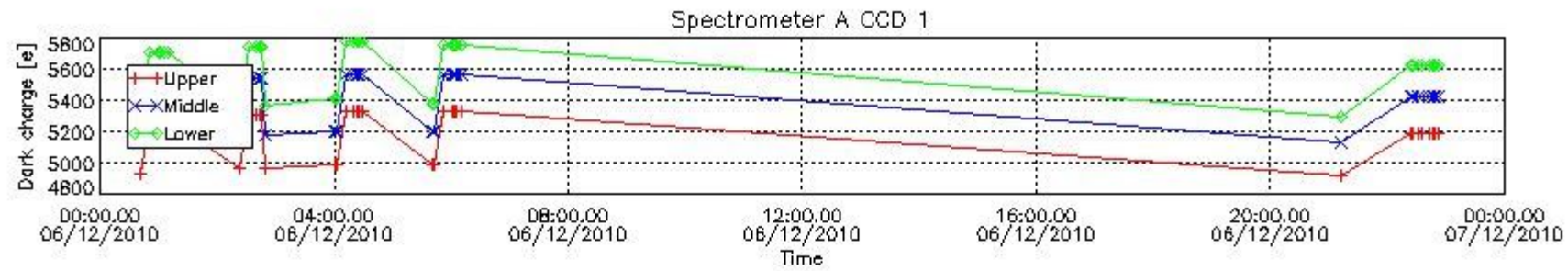
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20101206_210809_000000603097_00144_45848_4491.N1	DC map with no T dep.
GOM_TRA_1PNPDE20101206_211210_000000433097_00144_45848_4492.N1	DC map used
GOM_TRA_1PNPDE20101206_211731_000000523097_00144_45848_4493.N1	DC map used
GOM_TRA_1PNPDE20101206_212051_000000563097_00144_45848_4494.N1	DC map used
GOM_TRA_1PNPDE20101206_212329_000000593097_00144_45848_4495.N1	DC map used
GOM_TRA_1PNPDE20101206_212601_000000553097_00144_45848_4496.N1	DC map used
GOM_TRA_1PNPDE20101206_212830_000000593097_00144_45848_4497.N1	DC map used
GOM_TRA_1PNPDE20101206_213022_000000383097_00144_45848_4498.N1	DC map used
GOM_TRA_1PNPDE20101206_213238_000000383097_00144_45848_4499.N1	DC map used
GOM_TRA_1PNPDE20101206_213401_000000443097_00144_45848_4500.N1	DC map used
GOM_TRA_1PNPDE20101206_213706_000000363097_00144_45848_4501.N1	DC map used
GOM_TRA_1PNPDE20101206_213943_000000493097_00144_45848_4502.N1	DC map used
GOM_TRA_1PNPDE20101206_215445_000000483097_00144_45848_4503.N1	DC map used
GOM_TRA_1PNPDE20101206_215617_000000493097_00144_45848_4504.N1	DC map used
GOM_TRA_1PNPDE20101206_215821_000000423097_00144_45848_4505.N1	DC map used
GOM_TRA_1PNPDE20101206_220036_000000383097_00144_45848_4506.N1	DC map used
GOM_TRA_1PNPDE20101206_220406_000000413097_00144_45848_4507.N1	DC map used
GOM_TRA_1PNPDE20101206_220947_000000363097_00144_45848_4508.N1	DC map used
GOM_TRA_1PNPDE20101206_221306_000000463097_00144_45848_4509.N1	DC map used
GOM_TRA_1PNPDE20101206_221745_000000533097_00144_45848_4510.N1	DC map used

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



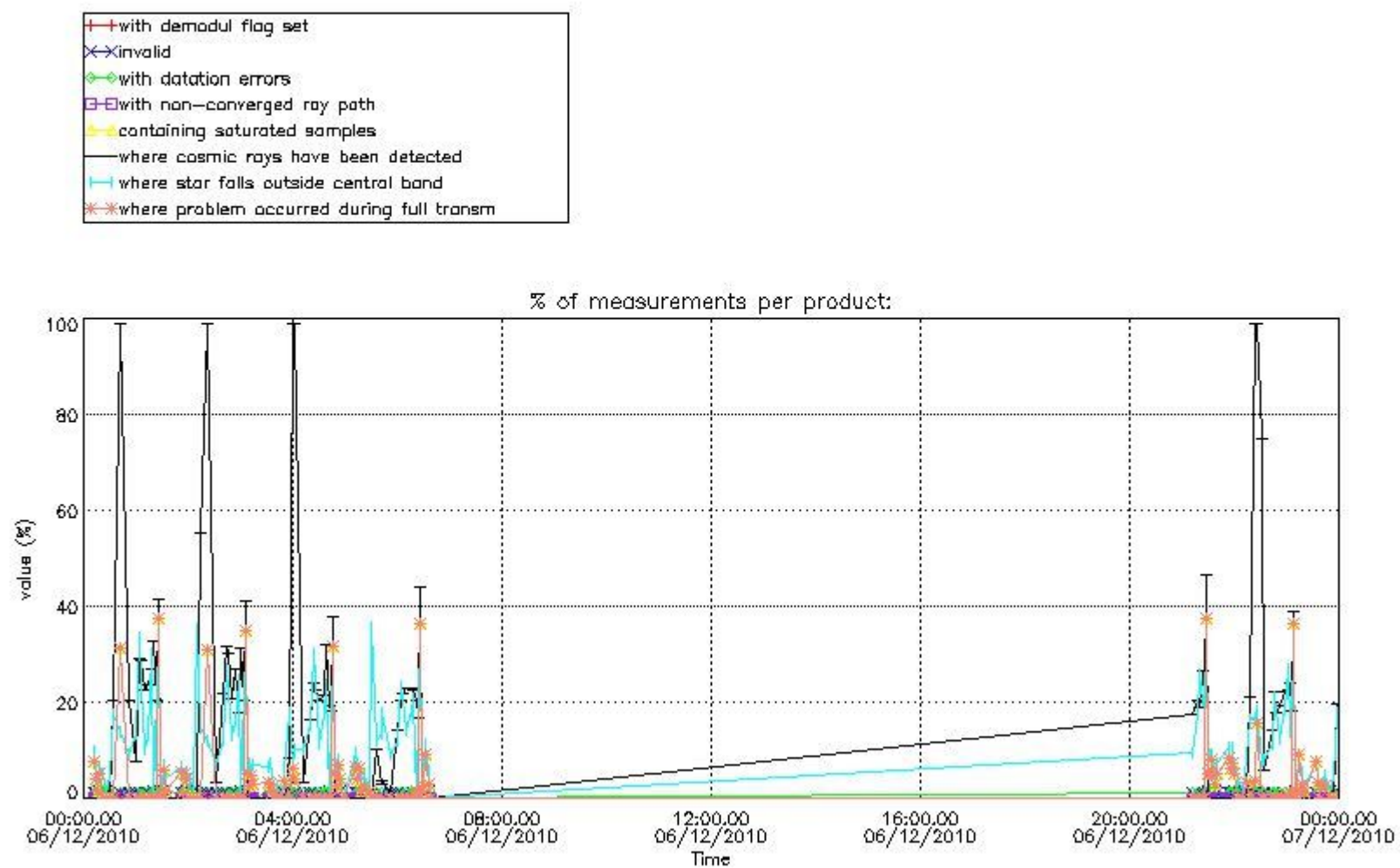
5. Demodulation flag and quality information monitoring

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.

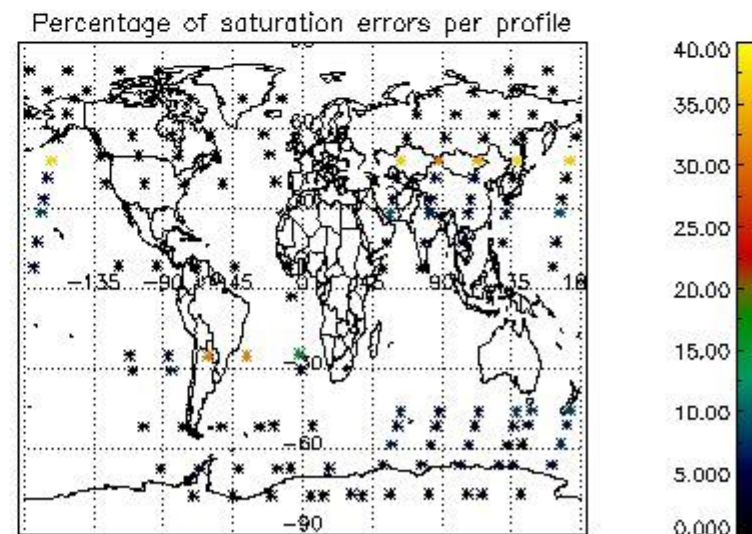
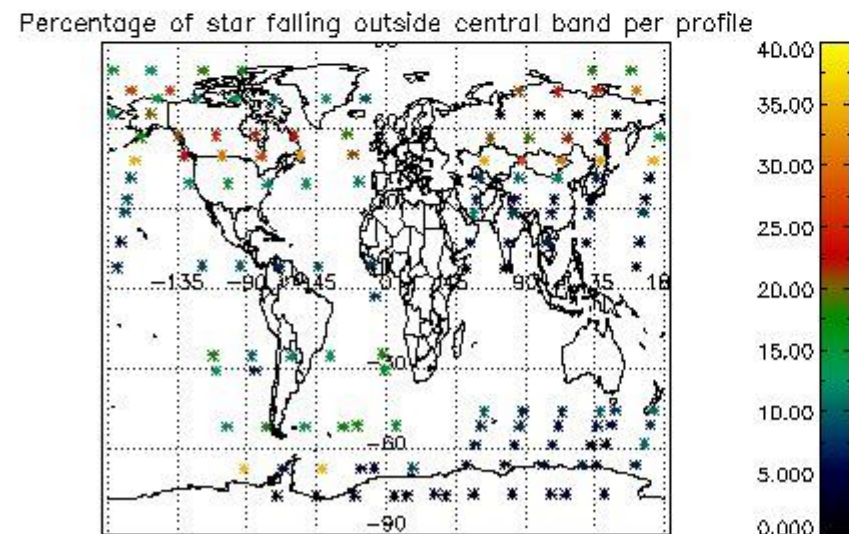
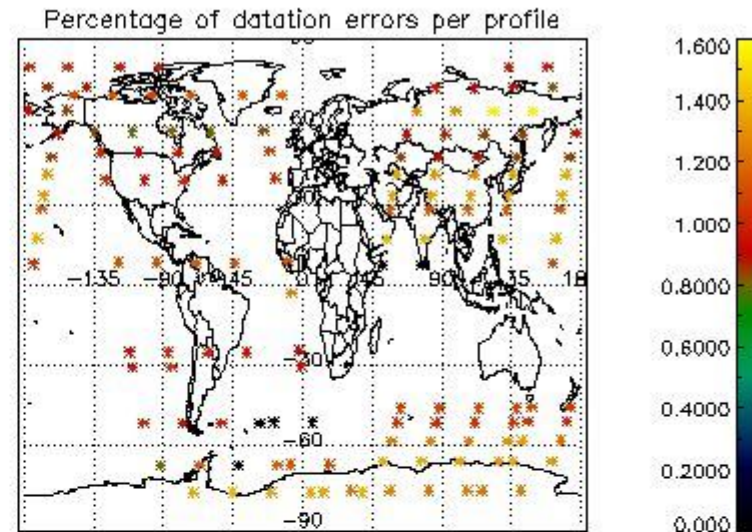
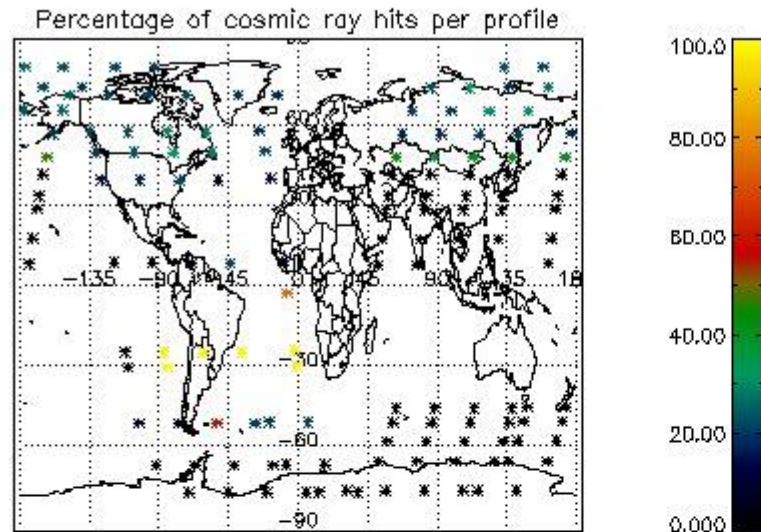
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	39.7163 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



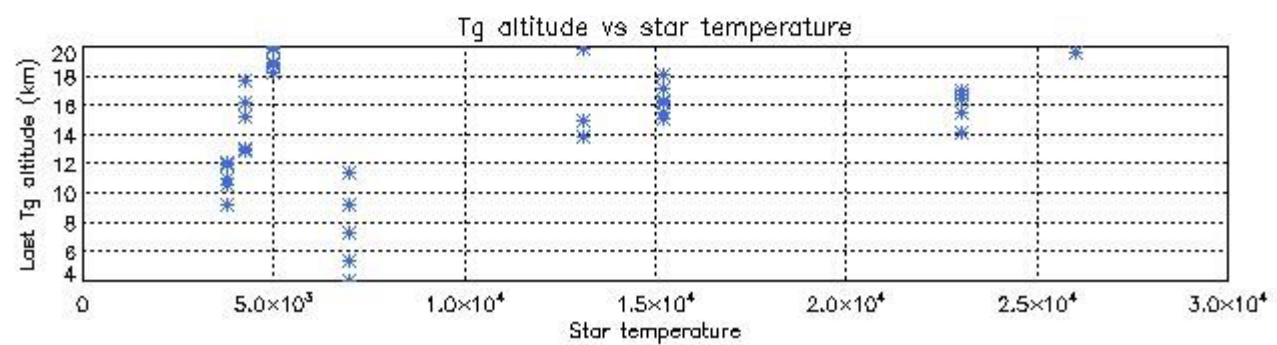
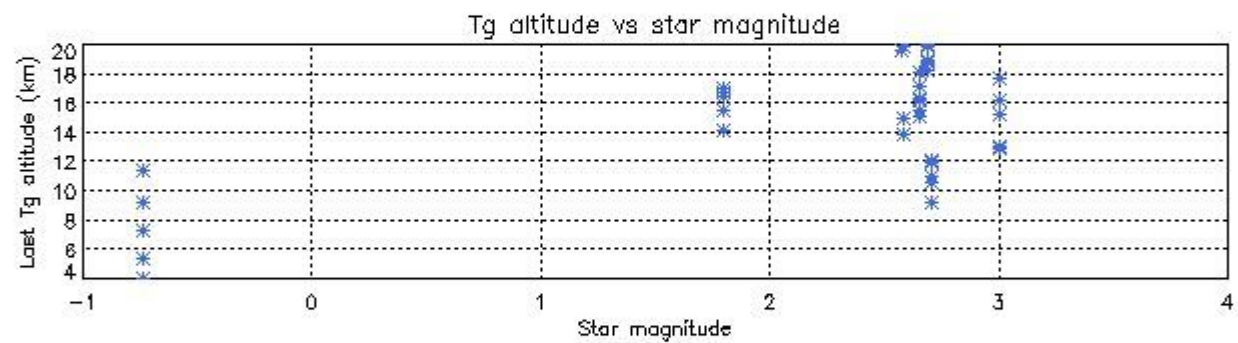
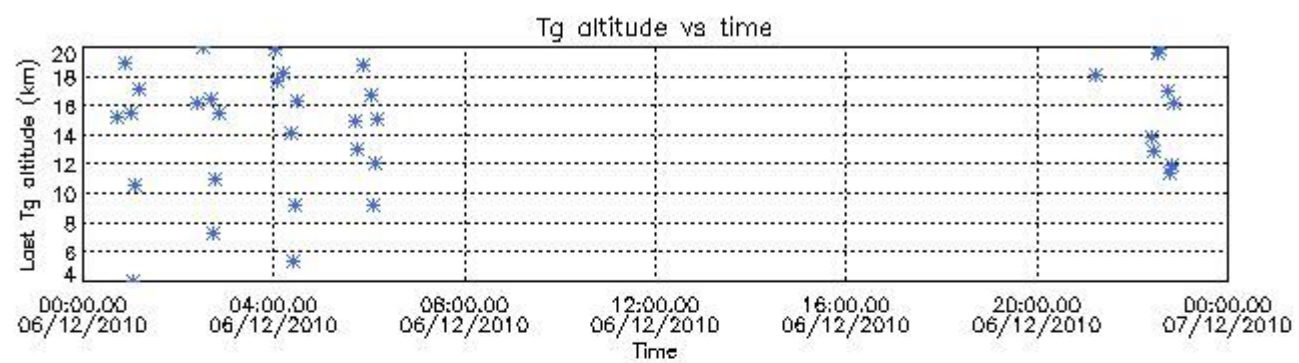
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.546	19.222	NaN
St. deviation:	4.1190	5.6141	NaN
Maximum:	19.984	26.801	NaN
Minimum:	4.0061	4.0092	NaN
Number of data:	35.000	80.000	NaN

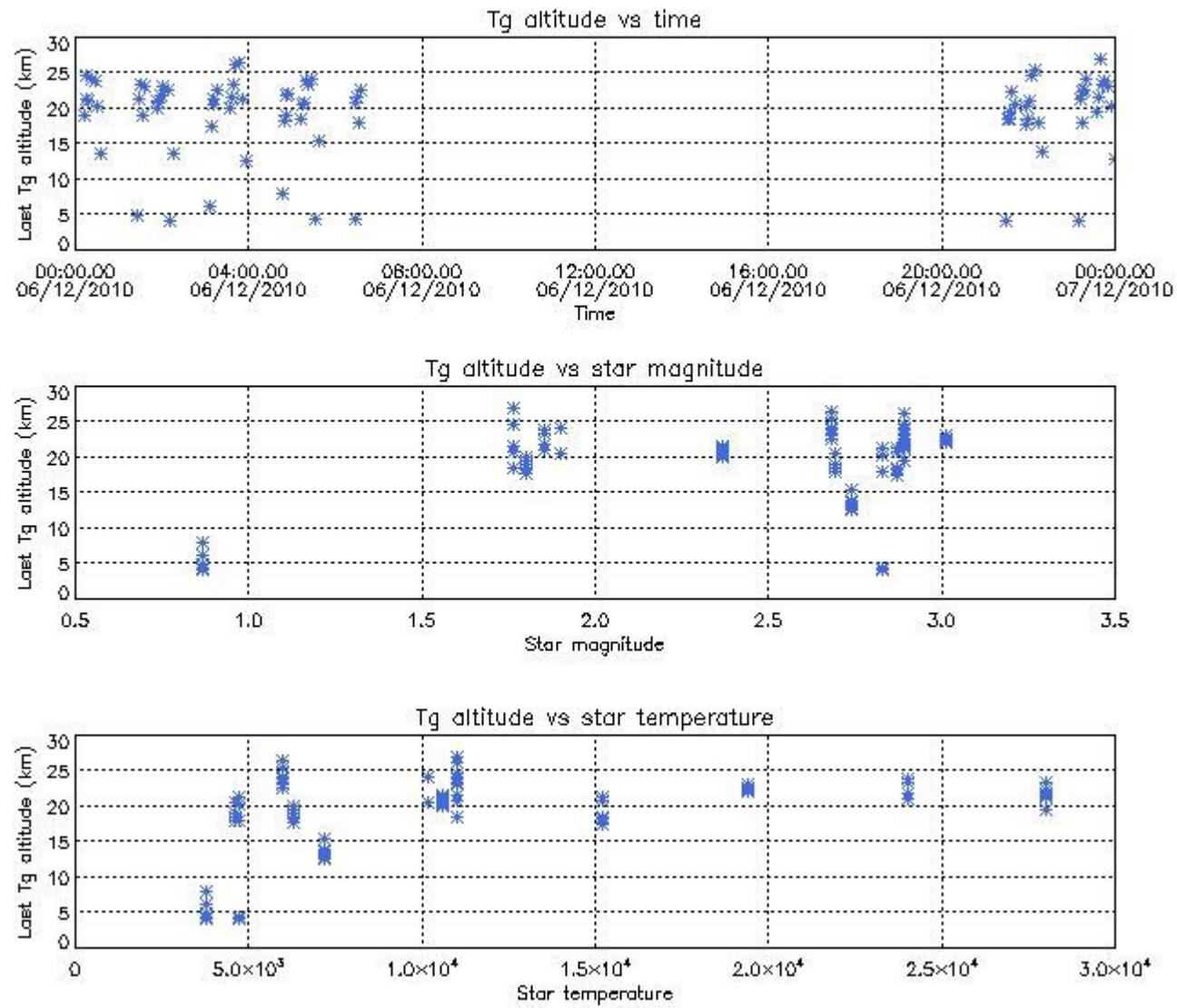
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

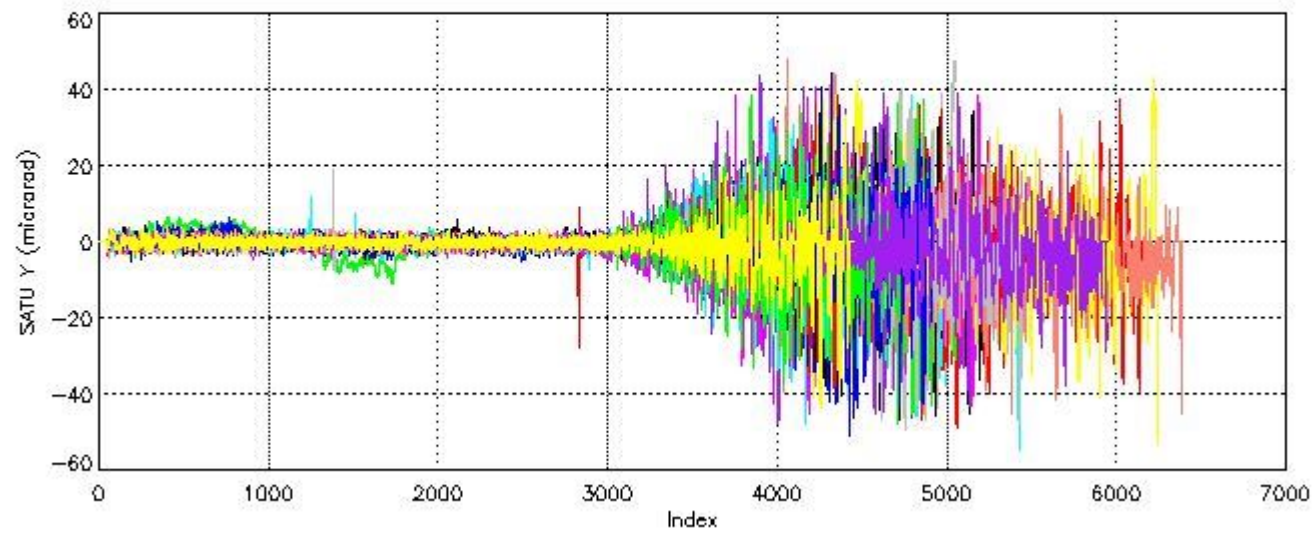
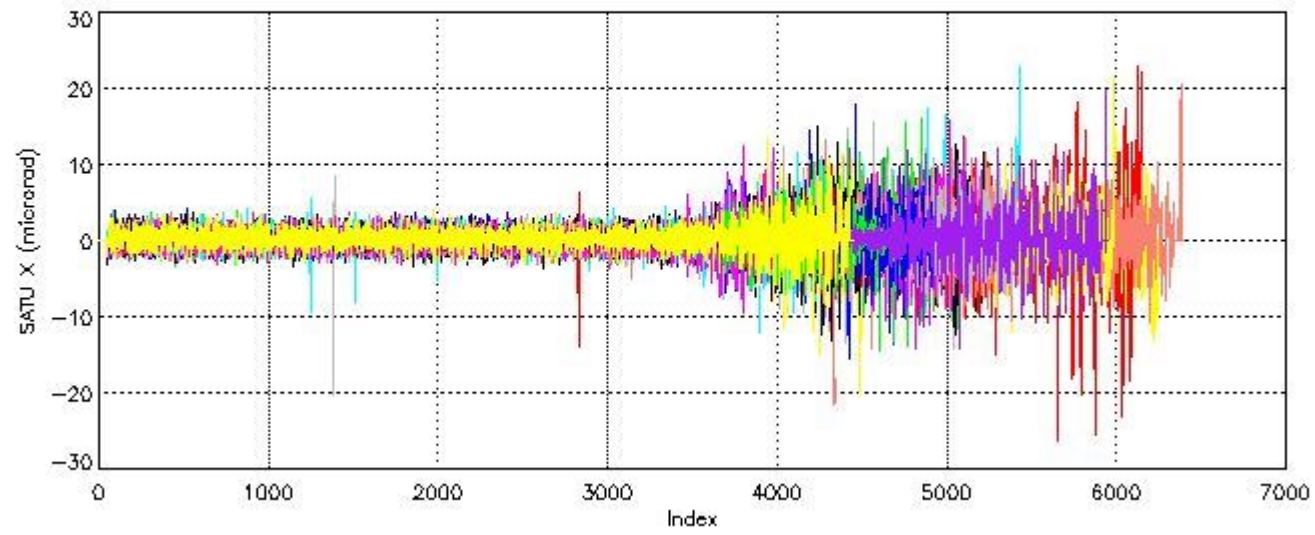


7. Star Acquisition and Tracking Unit (SATU)

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:	0.24155	-0.17162	0.16585	-0.25253
St. deviation:	0.59493	0.89074	0.90128	1.0927
Maximum:	4.3000	6.5000	7.9000	6.8000
Minimum:	-3.4000	-5.1000	-6.1000	-7.8000

Number of data:	38900.	38900.	78600.	78600.
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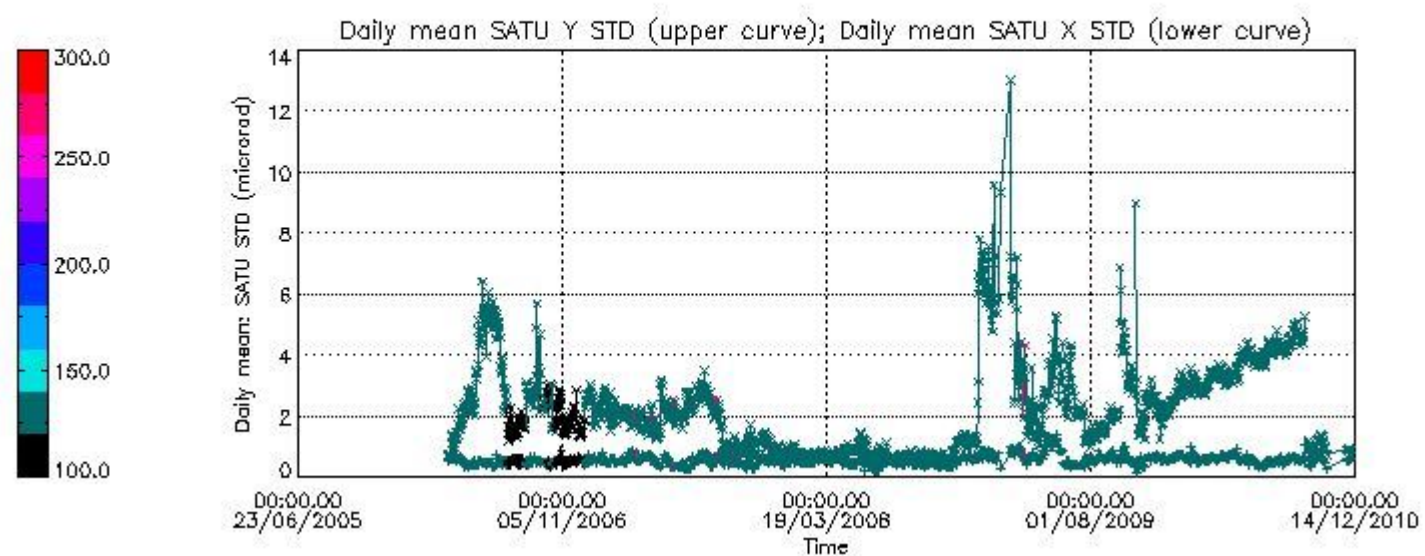
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

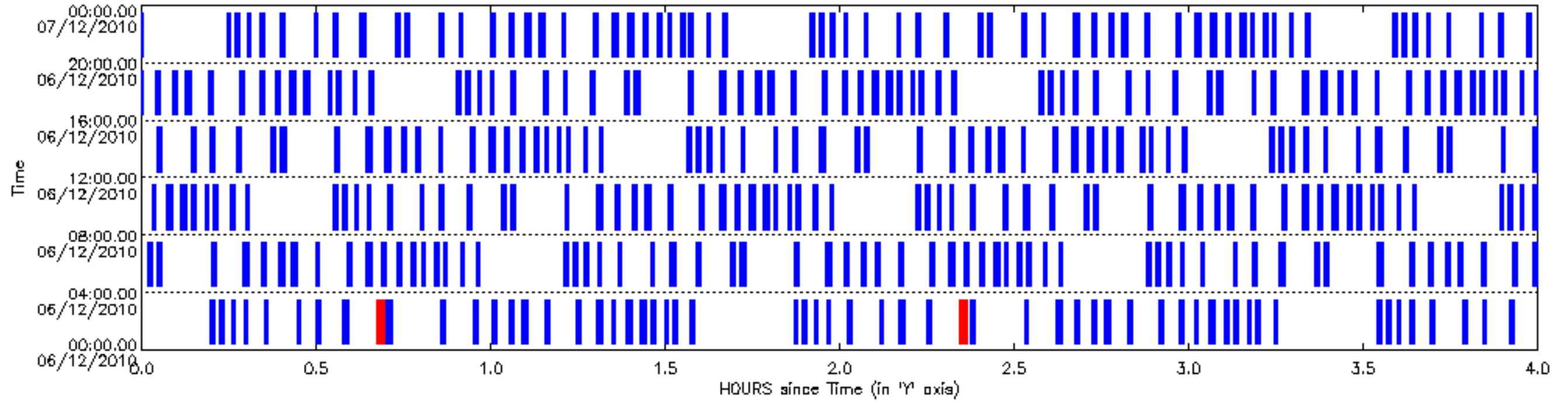
Lower curve: STD of SATU X axis

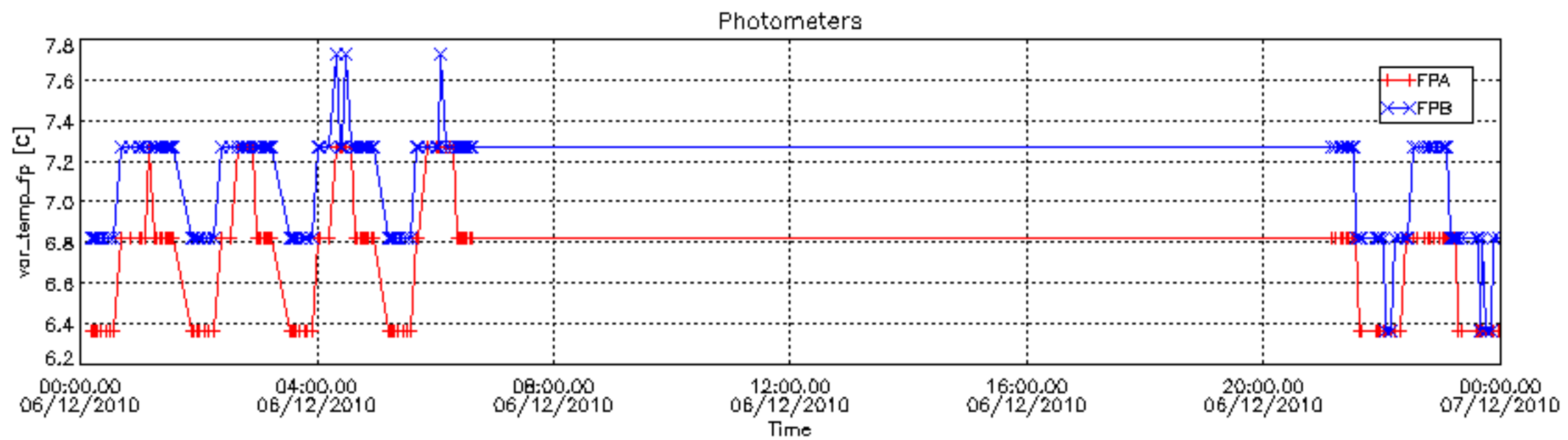
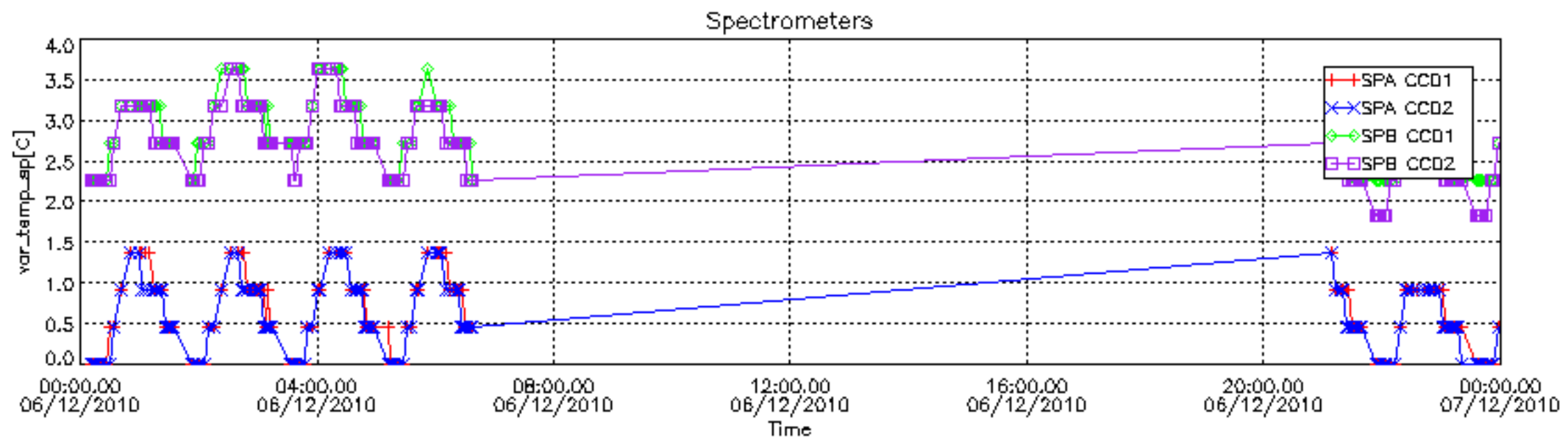


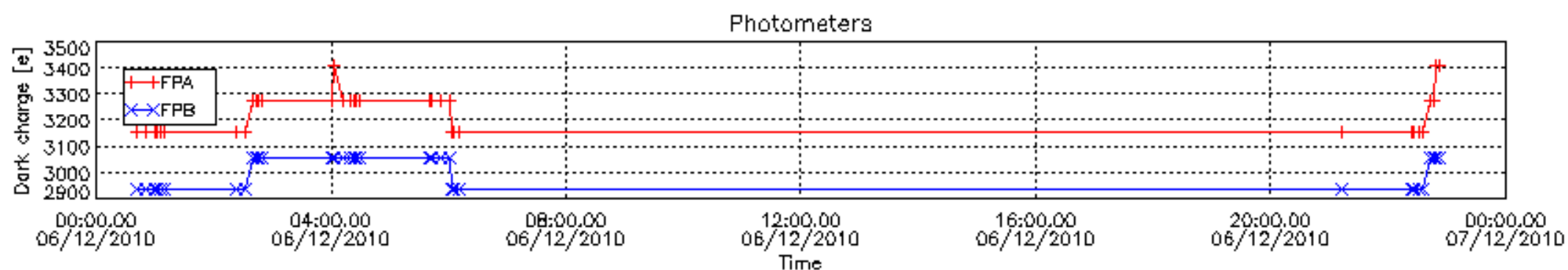
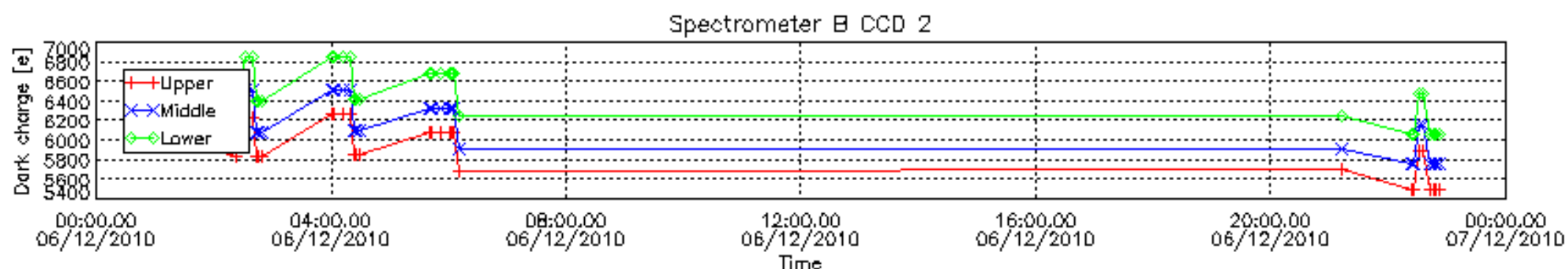
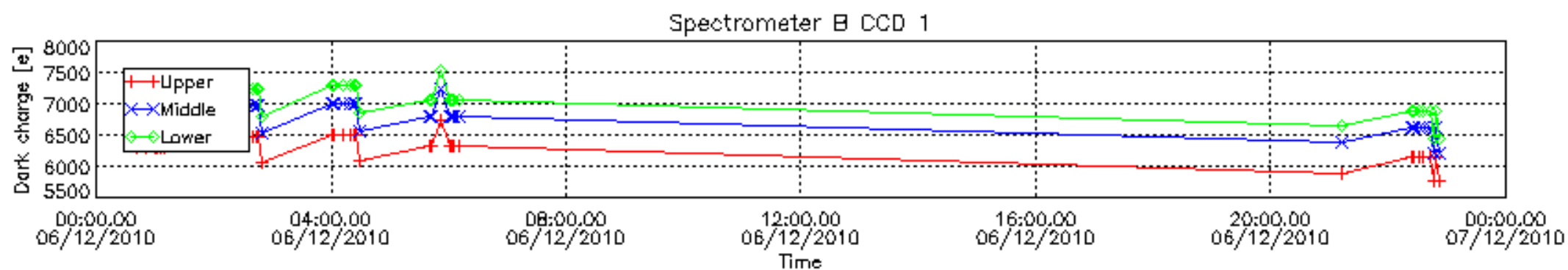
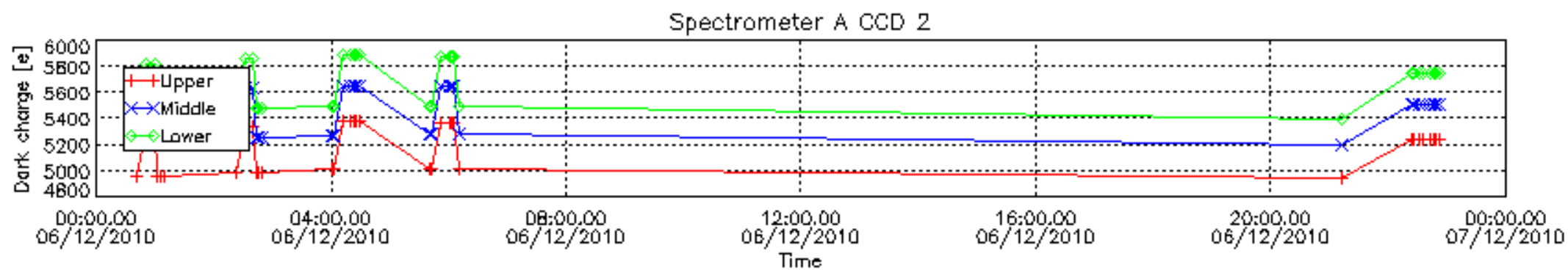
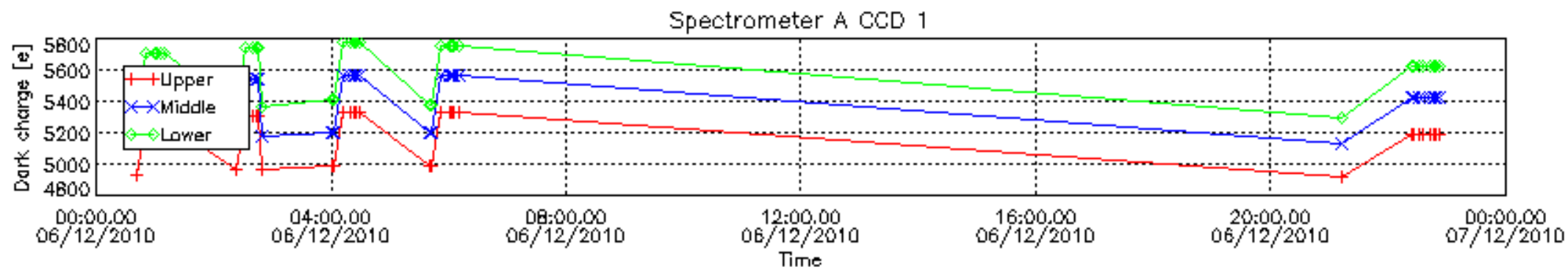
8. Auxiliary Data Files used for the production reported in section 2.4

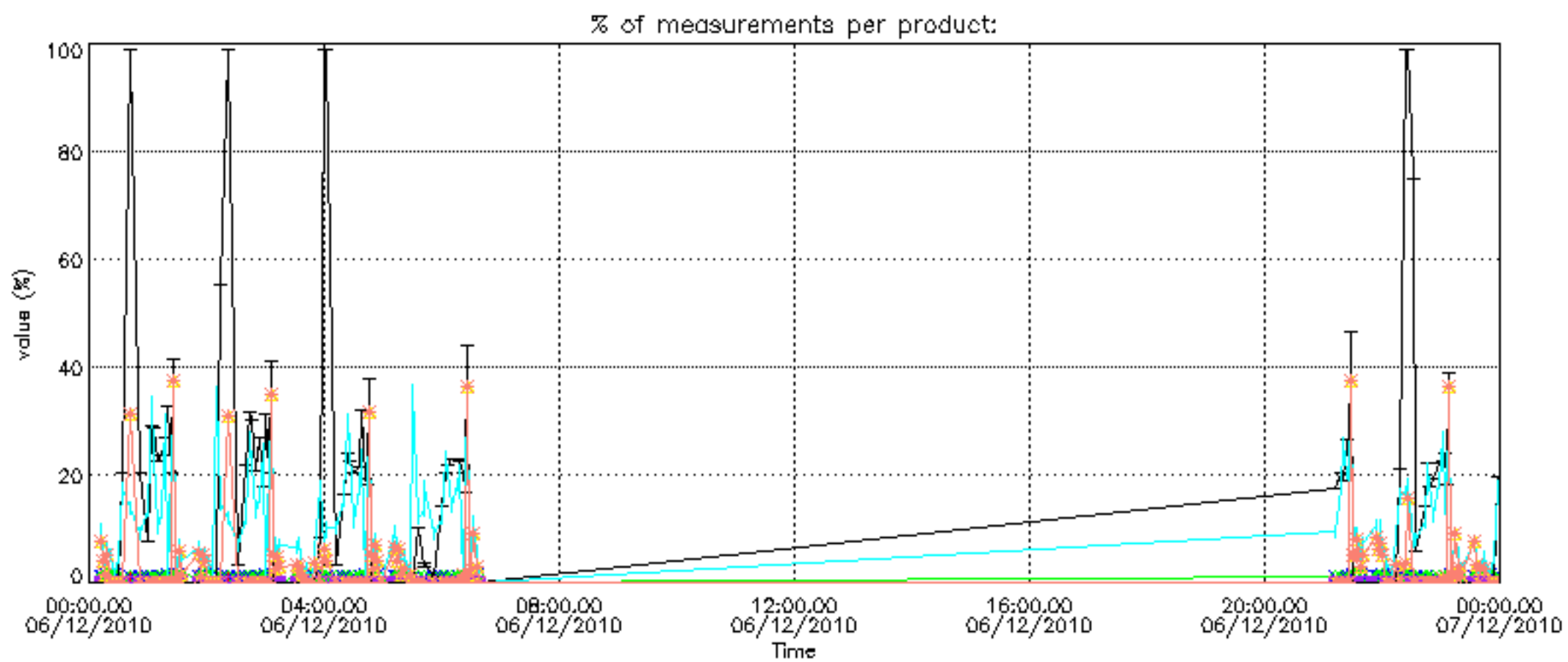
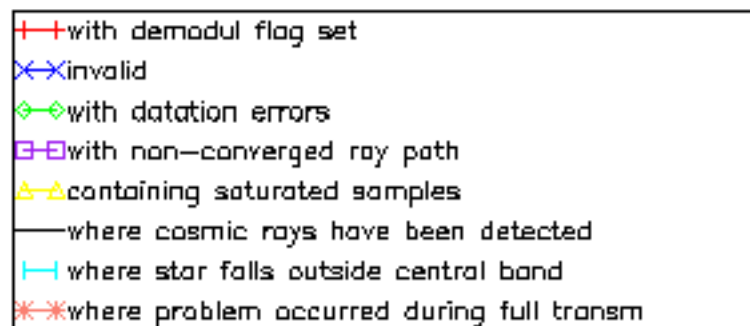
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	06-DEC-2010 00:11:47
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20101201_093519_20101129_000000_20500101_000000	1	06-DEC-2010 00:11:47
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	06-DEC-2010 00:11:47
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	06-DEC-2010 00:11:47
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	06-DEC-2010 00:11:47
ECMWF_FILE	AUX_ECF_AXNECM20101205_054115_20101205_210000_20101206_090000	1	06-DEC-2010 00:11:47
ECMWF_FILE	AUX_ECF_AXNECM20101205_174116_20101206_030000_20101206_150000	47	06-DEC-2010 03:32:15
ECMWF_FILE	AUX_ECF_AXNECM20101206_054116_20101206_210000_20101207_090000	97	06-DEC-2010 21:08:09
OPTIONAL_ECMWF_FILE	MISSING	1	06-DEC-2010 00:11:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101205_225456_000057383097_00130_45834_2064.N1	1	06-DEC-2010 00:11:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101206_003553_000054193097_00131_45835_2065.N1	9	06-DEC-2010 00:42:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101206_021131_000041443097_00132_45836_2066.N1	31	06-DEC-2010 02:14:48
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101206_032554_000057383097_00133_45837_2067.N1	47	06-DEC-2010 03:32:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101206_050651_000057383097_00134_45838_2068.N1	72	06-DEC-2010 05:12:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101206_210314_000041443097_00144_45848_2069.N1	97	06-DEC-2010 21:08:09
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101206_221737_000057383097_00144_45848_2070.N1	117	06-DEC-2010 22:23:43

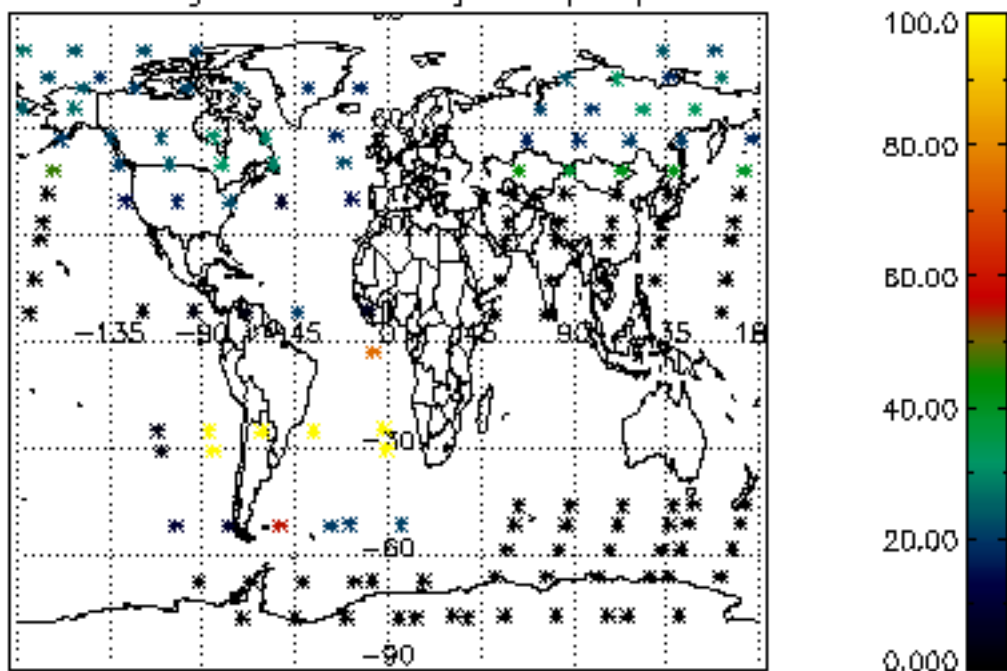




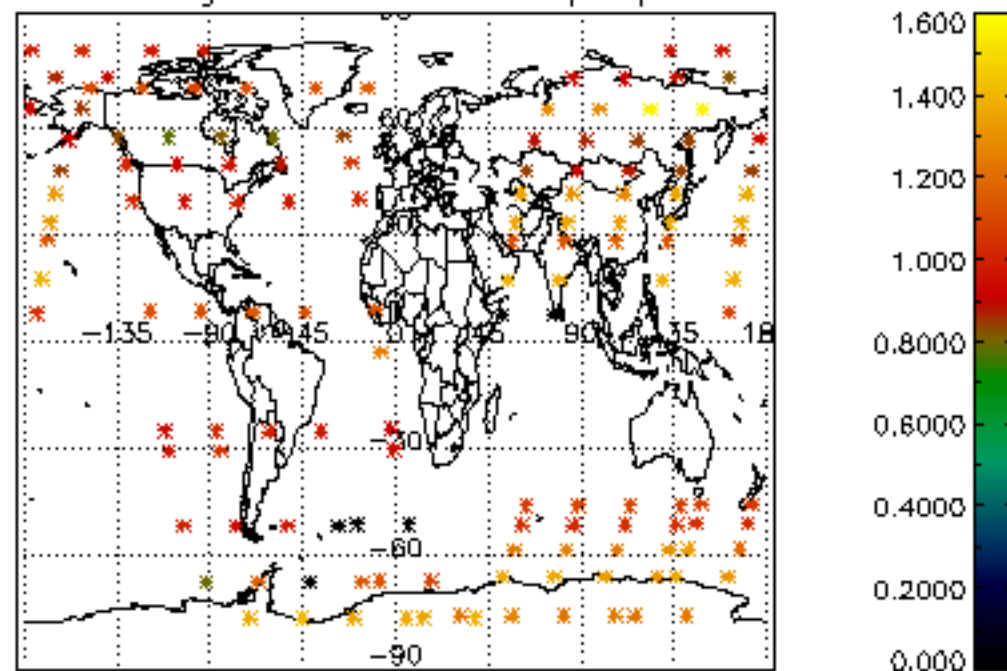




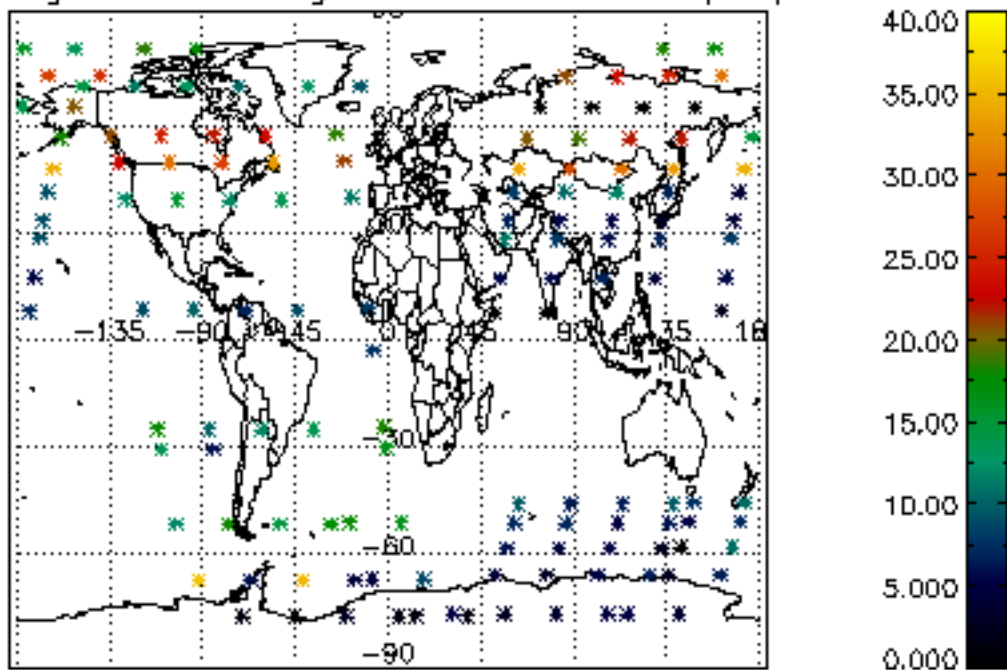
Percentage of cosmic ray hits per profile



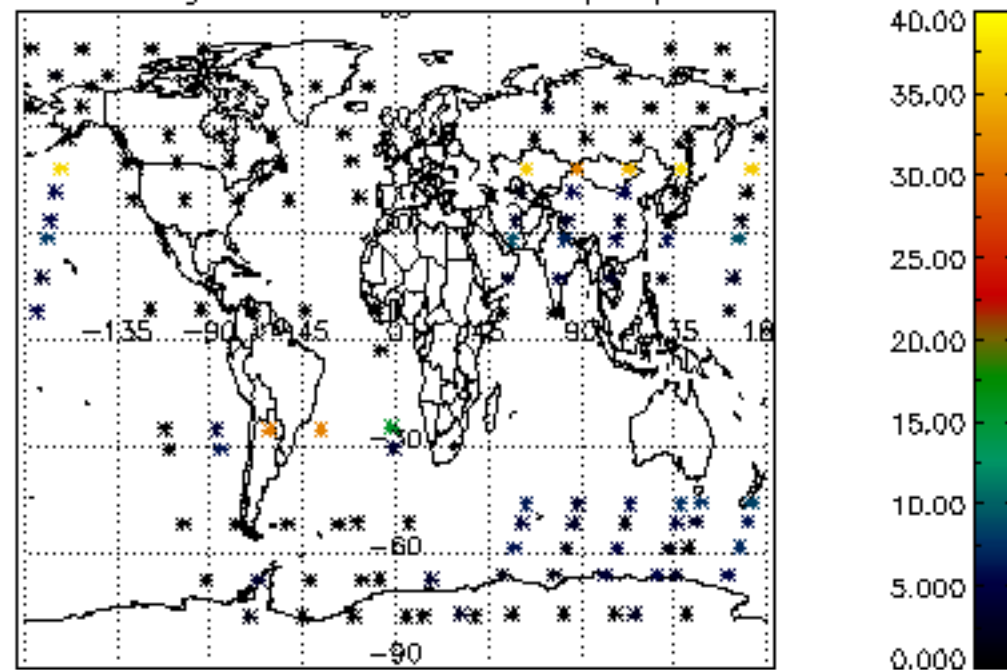
Percentage of datation errors per profile



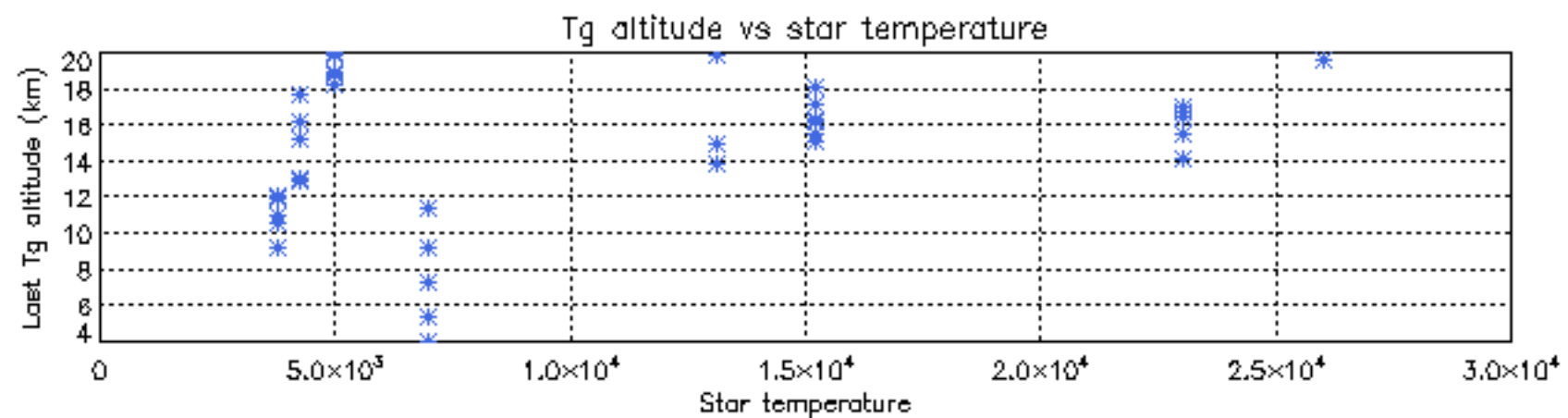
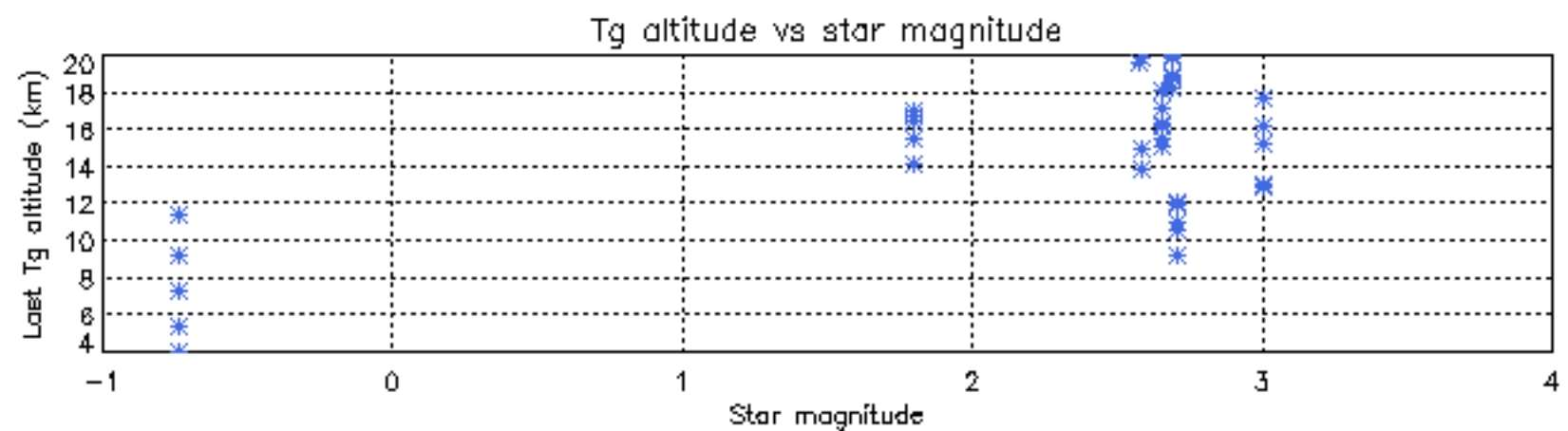
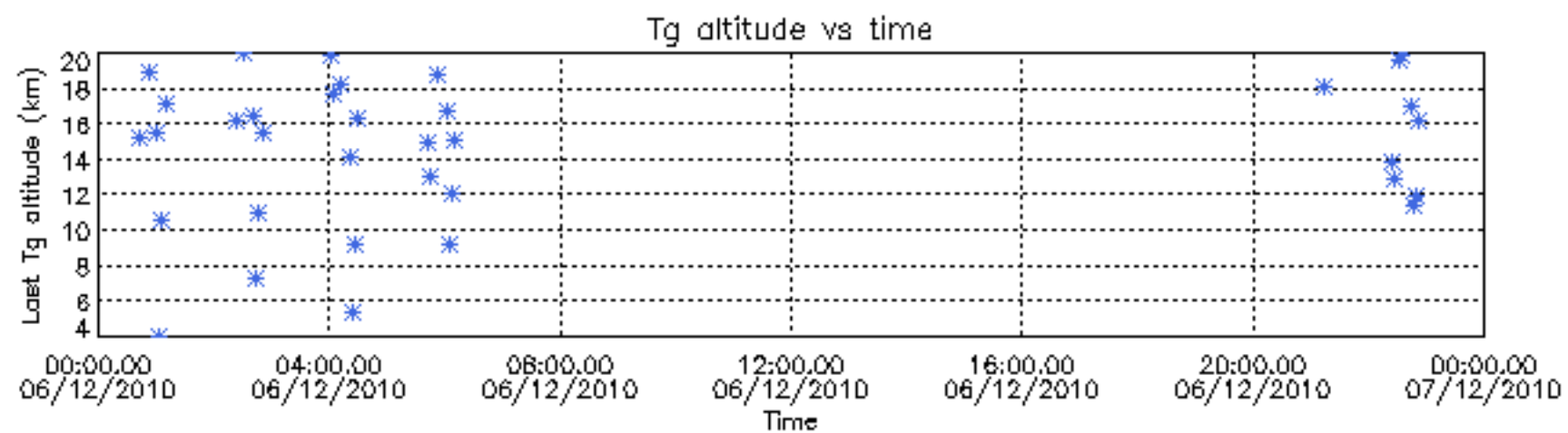
Percentage of star falling outside central band per profile



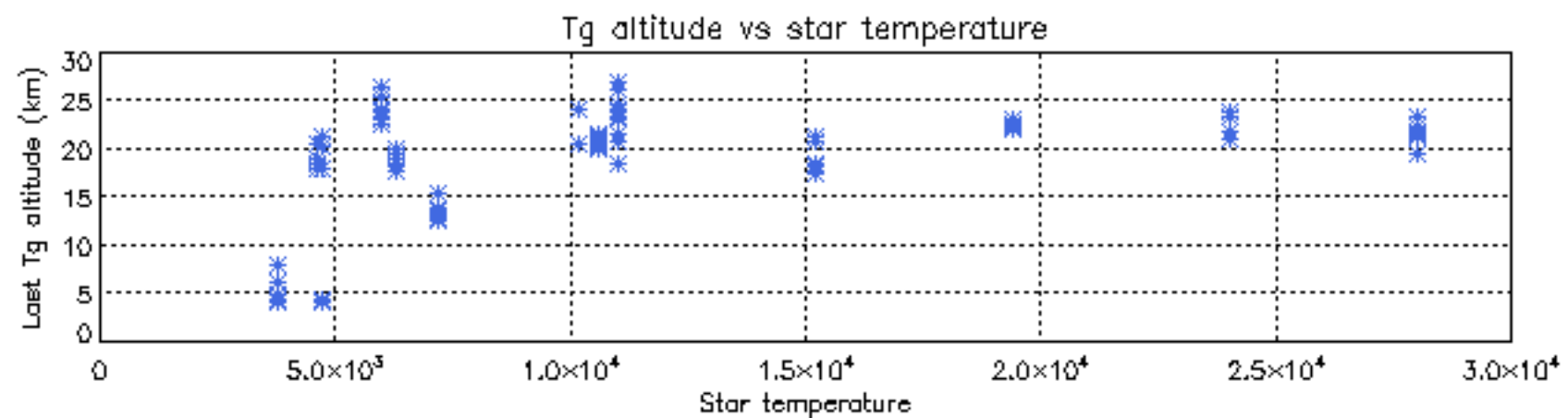
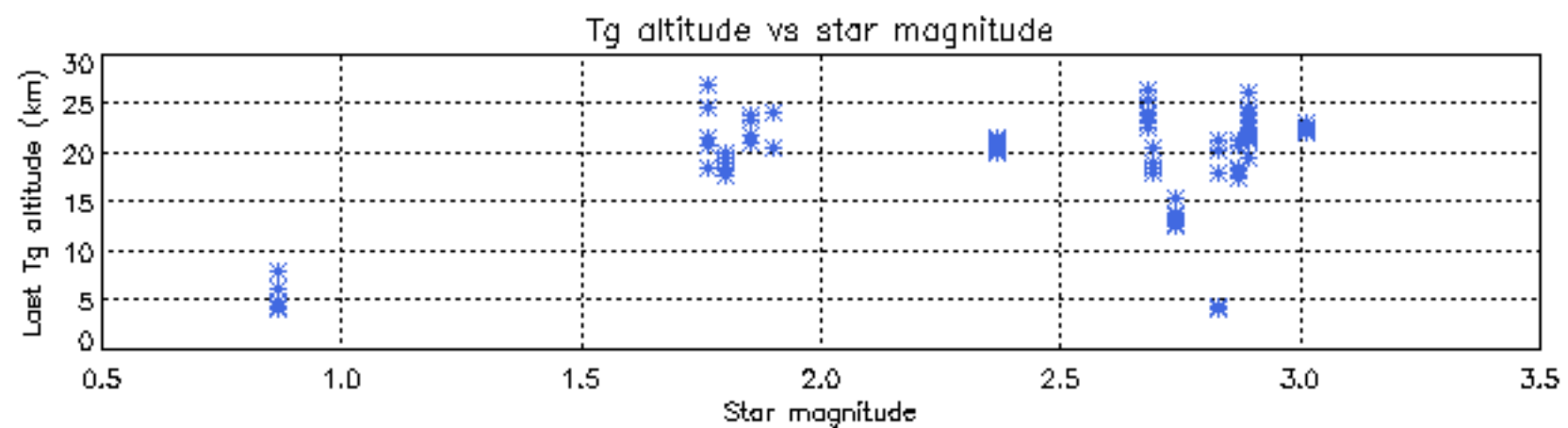
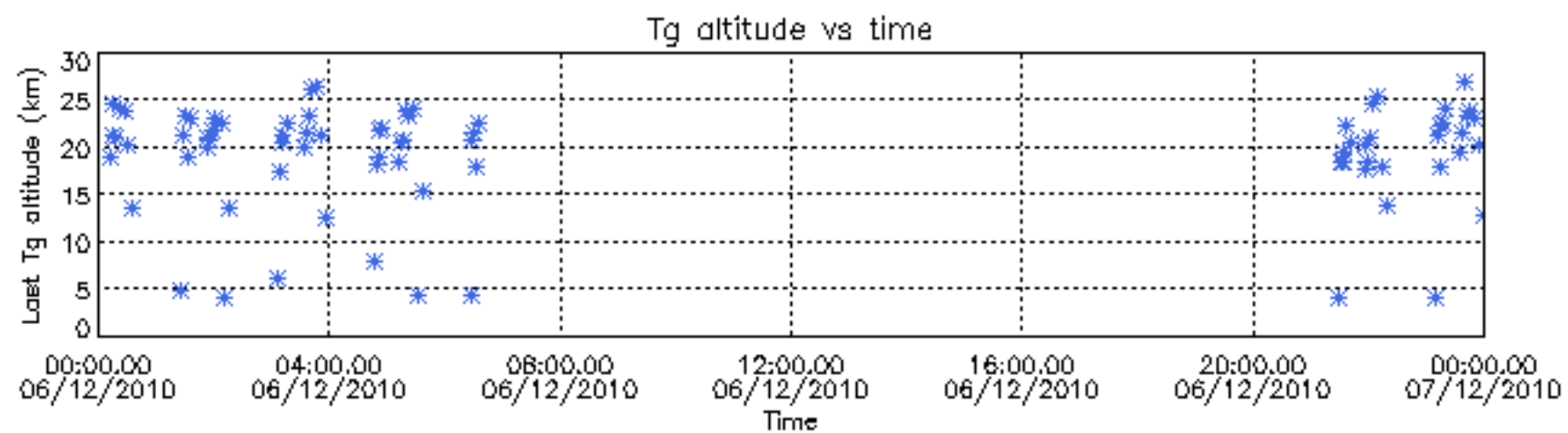
Percentage of saturation errors per profile

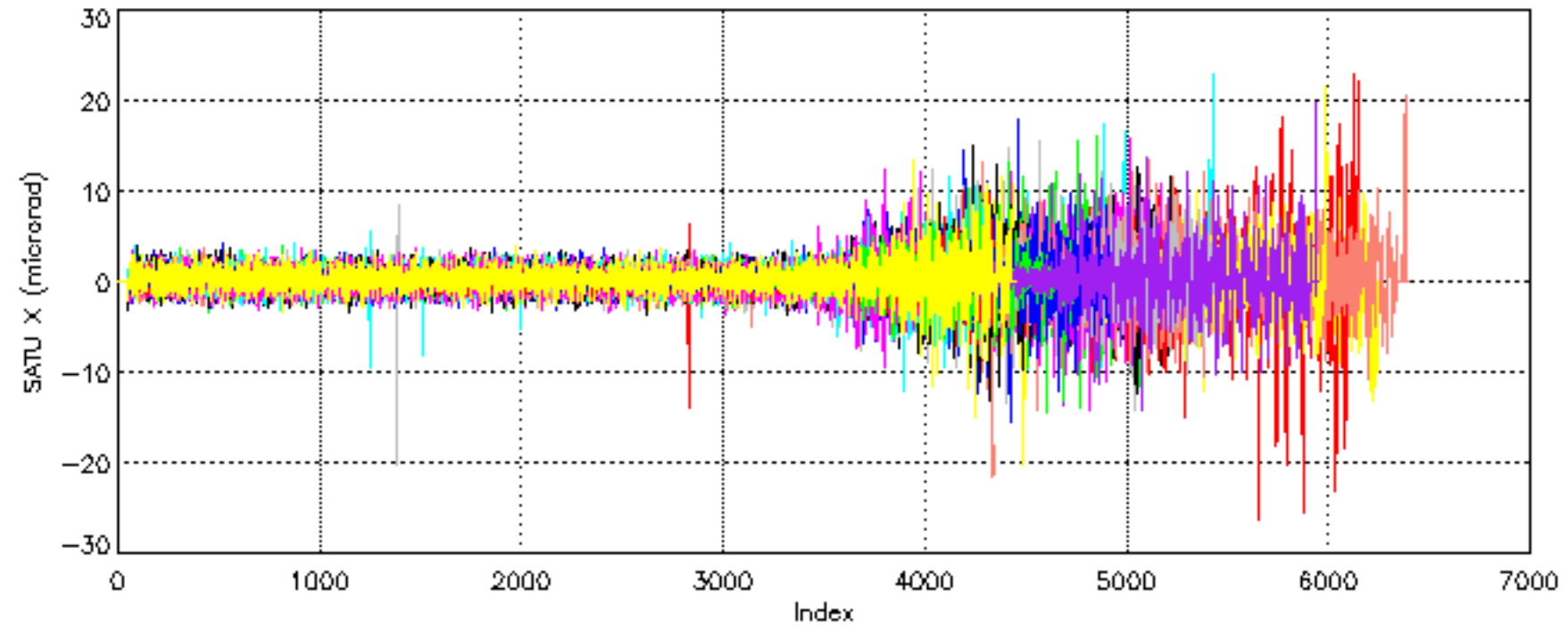


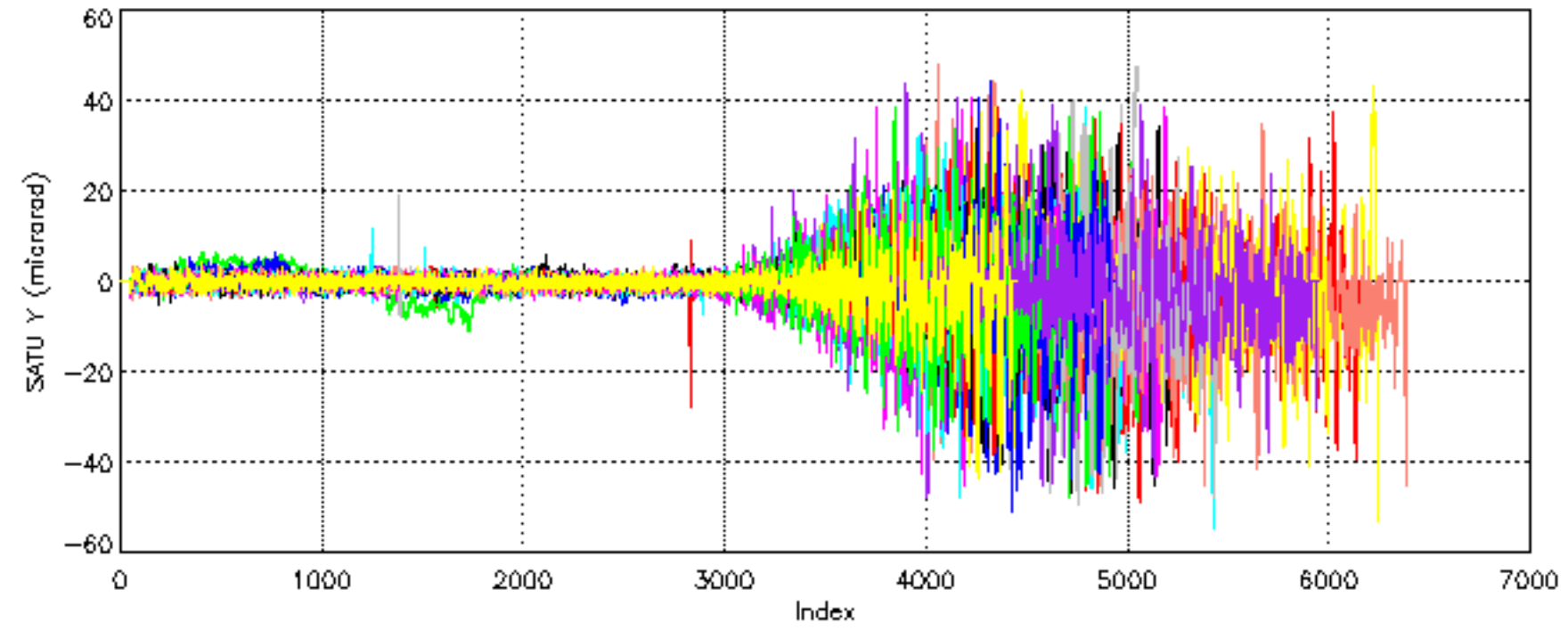
Tangent altitude at which the star is lost

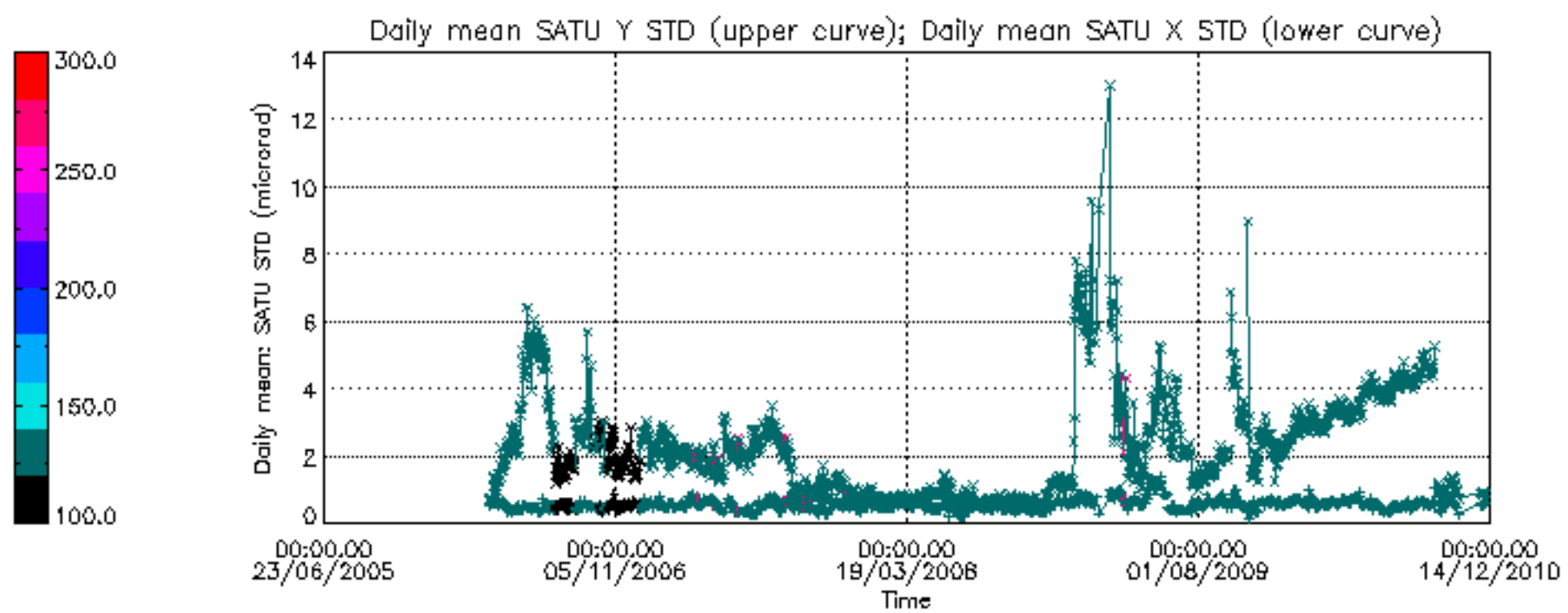


Tangent altitude at which the star is lost









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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
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 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
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 2; 81.8; 01-DEC-2010 02:13:52; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;45765
 3; 405.6; 01-DEC-2010 02:19:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45765
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 5; 798.6; 01-DEC-2010 02:25:49; Dark ; 58.0; 2; Alp Car ;-0.74; 7000;occ; 116; 0;45765
 6; 908.6; 01-DEC-2010 02:27:39; Dark ; 64.0; 117; Pi Pup ; 2.71; 3800;occ; 128; 0;45765
 7; 1182.1; 01-DEC-2010 02:32:13; Dark ; 47.0; 108; Alp Col ; 2.65; 15200;occ; 94; 0;45765
 8; 1523.4; 01-DEC-2010 02:37:54; Dark ; 55.0; 101; 11Alp Lep ; 2.58; 7000;occ; 110; 0;45765
 9; 1739.4; 01-DEC-2010 02:41:30; Dark ; 59.0; 7; 19Bet Ori ; 0.10; 14000;occ; 118; 0;45765
 10; 2217.8; 01-DEC-2010 02:49:28; Bright; 59.0; 13; 87Alp Tau ; 0.87; 3800;occ; 118; 0;45765
 11; 2314.7; 01-DEC-2010 02:51:05; Bright; 39.5; 146; 25Eta Tau ; 2.87; 15200;occ; 79; 0;45765
 12; 2456.0; 01-DEC-2010 02:53:27; Bright; 39.5; 150; 44Zet Per ; 2.89; 28000;occ; 79; 0;45765
 13; 2601.2; 01-DEC-2010 02:55:52; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;45765
 14; 2722.2; 01-DEC-2010 02:57:53; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45765
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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
 7; -918.1; 01-DEC-2010 03:37:27; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;45765
 8; -579.5; 01-DEC-2010 03:43:05; Dark ; 44.0; 100; 4Gam Crv ; 2.58; 13100;occ; 88; 0;45765
 9; -484.1; 01-DEC-2010 03:44:41; Dark ; 47.0; 171; 2Eps Crv ; 3.00; 4250;occ; 94; 0;45765
 10; 82.7; 01-DEC-2010 03:54:07; Dark ; 42.5; 113; Mu Vel ; 2.69; 5000;occ; 85; 0;45766
 11; 406.4; 01-DEC-2010 03:59:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45766
 12; 597.5; 01-DEC-2010 04:02:42; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45766
 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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 18; 2217.7; 01-DEC-2010 04:29:42; Bright; 58.5; 13; 87Alp Tau ; 0.87; 3800;occ; 117; 0;45766
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 21; 2601.3; 01-DEC-2010 04:36:06; Bright; 37.5; 149; 45Eps Per ; 2.89; 30000;occ; 75; 0;45766
 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
8; -578.6; 01-DEC-2010 05:23:20; Dark ; 46.0; 100; 4Gam Crv ; 2.58; 13100;occ; 92; 0;45766
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
12; 598.5; 01-DEC-2010 05:42:57; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45767
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
15; 1183.2; 01-DEC-2010 05:52:42; Dark ; 48.0; 108; Alp Col ; 2.65; 15200;occ; 96; 0;45767
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
21; 2600.9; 01-DEC-2010 06:16:20; Bright; 37.5; 149; 45Eps Per ; 2.89; 30000;occ; 75; 0;45767
22; 2722.2; 01-DEC-2010 06:18:21; Bright; 37.0; 175; 39Del Per ; 3.01; 19400;occ; 74; 0;45767
23; 2830.0; 01-DEC-2010 06:20:09; Bright; 51.5; 6; 13Alp Aur ; 0.08; 3400;occ; 103; 0;45767
24; 2937.8; 01-DEC-2010 06:21:57; Bright; 46.5; 42; 34Bet Aur ; 1.90; 10200;occ; 93; 0;45767
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2; 917.7; 01-DEC-2010 20:50:23; Dark ; 61.0; 117; Pi Pup ; 2.71; 3800;occ; 122; 0;45776
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
6; 1931.3; 01-DEC-2010 21:07:17; Dark ; 33.0; 72; 34Del Ori ; 2.25; 30000;occ; 66; 0;45776
7; 2076.1; 01-DEC-2010 21:09:41; Dark ; 46.0; 27; 24Gam Ori ; 1.64; 26000;occ; 92; 0;45776
8; 2214.4; 01-DEC-2010 21:12:00; Dark ; 54.0; 13; 87Alp Tau ; 0.87; 3800;occ; 108; 0;45776
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13; 2824.2; 01-DEC-2010 21:22:09; Bright; 51.0; 6; 13Alp Aur ; 0.08; 3400;occ; 102; 0;45776
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15; 3797.0; 01-DEC-2010 21:38:22; Bright; 42.5; 36; 50Alp UMa ; 1.80; 6300;occ; 85; 0;45776
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18; 4161.7; 01-DEC-2010 21:44:27; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;45776
19; 4326.9; 01-DEC-2010 21:47:12; Bright; 38.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 77; 0;45776
20; 4904.9; 01-DEC-2010 21:56:50; Bright; 58.0; 62; 94Bet Leo ; 2.14; 9700;occ; 116; 0;45776
21; 5102.4; 01-DEC-2010 22:00:08; Bright; 62.5; 121; 29Gam Vir ; 2.74; 7200;occ; 125; 0;45776
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3; 91.2; 01-DEC-2010 22:16:50; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;45777
4; 415.7; 01-DEC-2010 22:22:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45777
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2; 445.6; 04-DEC-2010 10:31:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45813
3; 638.2; 04-DEC-2010 10:34:22; Dark ; 51.5; 34; Gam2Vel ; 1.79; 23000;occ; 103; 0;45813
4; 822.9; 04-DEC-2010 10:37:27; Dark ; 48.0; 2; Alp Car ;-0.74; 7000;occ; 96; 0;45813
5; 947.7; 04-DEC-2010 10:39:32; Dark ; 57.5; 117; Pi Pup ; 2.71; 3800;occ; 115; 0;45813
6; 1201.3; 04-DEC-2010 10:43:46; Dark ; 46.5; 108; Alp Col ; 2.65; 15200;occ; 93; 0;45813
7; 1530.6; 04-DEC-2010 10:49:15; Dark ; 52.5; 101; 11Alp Lep ; 2.58; 7000;occ; 105; 0;45813
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2; 1737.0; 04-DEC-2010 10:52:41; Dark ; 58.0; 7; 19Bet Ori ; 0.10; 14000;occ; 116; 0;45813
3; 2203.6; 04-DEC-2010 11:00:28; Dark ; 44.0; 13; 87Alp Tau ; 0.87; 3800;occ; 88; 0;45813
4; 2308.7; 04-DEC-2010 11:02:13; Bright; 38.5; 146; 25Eta Tau ; 2.87; 15200;occ; 77; 0;45813
5; 2447.2; 04-DEC-2010 11:04:31; Bright; 38.0; 150; 44Zet Per ; 2.89; 28000;occ; 76; 0;45813
6; 2590.6; 04-DEC-2010 11:06:55; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;45813
7; 2714.4; 04-DEC-2010 11:08:59; Bright; 35.5; 175; 39Del Per ; 3.01; 19400;occ; 71; 0;45813
8; 2801.7; 04-DEC-2010 11:10:26; Bright; 50.5; 6; 13Alp Aur ; 0.08; 3400;occ; 101; 0;45813
9; 3783.4; 04-DEC-2010 11:26:48; Bright; 44.0; 36; 50Alp UMa ; 1.80; 6300;occ; 88; 0;45813
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11; 3989.4; 04-DEC-2010 11:30:14; Bright; 42.0; 32; 77Eps UMa ; 1.76; 11000;occ; 84; 0;45813
12; 4119.8; 04-DEC-2010 11:32:24; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;45813
13; 4328.8; 04-DEC-2010 11:35:53; Bright; 41.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 82; 0;45813
14; 4663.0; 04-DEC-2010 11:41:27; Bright; 36.0; 111; 8Eta Boo ; 2.68; 6000;occ; 72; 0;45813
15; 4855.8; 04-DEC-2010 11:44:40; Bright; 44.5; 138; 47Eps Vir ; 2.83; 4700;occ; 89; 0;45813
16; 5125.6; 04-DEC-2010 11:49:10; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;45813
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19; 6134.9; 04-DEC-2010 12:05:59; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45814
20; 6460.4; 04-DEC-2010 12:11:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45814
21; 6653.1; 04-DEC-2010 12:14:37; Dark ; 54.5; 34; Gam2Vel ; 1.79; 23000;occ; 109; 0;45814
22; 6837.3; 04-DEC-2010 12:17:41; Dark ; 52.0; 2; Alp Car ;-0.74; 7000;occ; 104; 0;45814
23; 6962.3; 04-DEC-2010 12:19:46; Dark ; 59.0; 117; Pi Pup ; 2.71; 3800;occ; 118; 0;45814
24; 7215.8; 04-DEC-2010 12:24:00; Dark ; 41.5; 108; Alp Col ; 2.65; 15200;occ; 83; 0;45814
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2; 1737.1; 04-DEC-2010 12:32:55; Dark ; 61.0; 7; 19Bet Ori ; 0.10; 14000;occ; 122; 0;45814
3; 2203.4; 04-DEC-2010 12:40:42; Dark ; 53.0; 13; 87Alp Tau ; 0.87; 3800;occ; 106; 0;45814
4; 2308.8; 04-DEC-2010 12:42:27; Bright; 37.5; 146; 25Eta Tau ; 2.87; 15200;occ; 75; 0;45814
5; 2447.0; 04-DEC-2010 12:44:45; Bright; 38.0; 150; 44Zet Per ; 2.89; 28000;occ; 76; 0;45814
6; 2590.2; 04-DEC-2010 12:47:08; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;45814
7; 2714.3; 04-DEC-2010 12:49:12; Bright; 37.0; 175; 39Del Per ; 3.01; 19400;occ; 74; 0;45814
8; 2801.3; 04-DEC-2010 12:50:39; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;45814
9; 3783.1; 04-DEC-2010 13:07:01; Bright; 45.5; 36; 50Alp UMa ; 1.80; 6300;occ; 91; 0;45814
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12; 4120.0; 04-DEC-2010 13:12:38; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;45814
13; 4329.1; 04-DEC-2010 13:16:07; Bright; 39.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 78; 0;45814
14; 4663.2; 04-DEC-2010 13:21:41; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;45814
15; 4856.4; 04-DEC-2010 13:24:55; Bright; 41.5; 138; 47Eps Vir ; 2.83; 4700;occ; 83; 0;45814
16; 5126.1; 04-DEC-2010 13:29:24; Bright; 45.5; 121; 29Gam Vir ; 2.74; 7200;occ; 91; 0;45814
17; 5476.0; 04-DEC-2010 13:35:14; Dark ; 51.0; 100; 4Gam Crv ; 2.58; 13100;occ; 102; 0;45814
18; 5572.0; 04-DEC-2010 13:36:50; Dark ; 52.0; 171; 2Eps Crv ; 3.00; 4250;occ; 104; 0;45814
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23; 6963.1; 04-DEC-2010 14:00:01; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;45815
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3; 2203.0; 04-DEC-2010 14:20:55; Dark ; 60.0; 13; 87Alp Tau ; 0.87; 3800;occ; 120; 0;45815
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5; 2447.2; 04-DEC-2010 14:24:59; Bright; 38.0; 150; 44Zet Per ; 2.89; 28000;occ; 76; 0;45815
6; 2590.1; 04-DEC-2010 14:27:22; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;45815
7; 2714.1; 04-DEC-2010 14:29:26; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45815

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 9; 3782.7; 04-DEC-2010 14:47:15; Bright; 45.5; 36; 50Alp UMA ; 1.80; 6300;occ; 91; 0;45815
 10; 3876.6; 04-DEC-2010 14:48:49; Bright; 48.0; 82; 48Bet UMA ; 2.37; 10600;occ; 96; 0;45815
 11; 3989.3; 04-DEC-2010 14:50:41; Bright; 41.0; 32; 77Eps UMA ; 1.76; 11000;occ; 82; 0;45815
 12; 4120.0; 04-DEC-2010 14:52:52; Bright; 55.0; 39; 85Eta UMA ; 1.85; 24000;occ; 110; 0;45815
 13; 4329.1; 04-DEC-2010 14:56:21; Bright; 40.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 81; 0;45815
 14; 4663.5; 04-DEC-2010 15:01:56; Bright; 35.5; 111; 8Eta Boo ; 2.68; 6000;occ; 71; 0;45815
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 18; 5573.2; 04-DEC-2010 15:17:05; Dark ; 53.5; 171; 2Eps Crv ; 3.00; 4250;occ; 107; 0;45815
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 21; 6655.0; 04-DEC-2010 15:35:07; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;45816
 22; 6838.5; 04-DEC-2010 15:38:11; Dark ; 55.5; 2; Alp Car ; -0.74; 7000;occ; 111; 0;45816
 23; 6963.9; 04-DEC-2010 15:40:16; Dark ; 58.5; 117; Pi Pup ; 2.71; 3800;occ; 117; 0;45816
 24; 7216.7; 04-DEC-2010 15:44:29; Dark ; 43.5; 108; Alp Col ; 2.65; 15200;occ; 87; 0;45816

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 11; 3989.2; 04-DEC-2010 16:30:55; Bright; 38.5; 32; 77Eps UMA ; 1.76; 11000;occ; 77; 0;45816
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 18; 5574.1; 04-DEC-2010 16:57:20; Dark ; 51.0; 171; 2Eps Crv ; 3.00; 4250;occ; 102; 0;45816
 19; 6137.4; 04-DEC-2010 17:06:44; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45817
 20; 6463.1; 04-DEC-2010 17:12:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45817
 21; 6655.8; 04-DEC-2010 17:15:22; Dark ; 50.0; 34; Gam2Vel ; 1.79; 23000;occ; 100; 0;45817
 22; 6838.9; 04-DEC-2010 17:18:25; Dark ; 58.0; 2; Alp Car ; -0.74; 7000;occ; 116; 0;45817
 23; 6964.7; 04-DEC-2010 17:20:31; Dark ; 60.0; 117; Pi Pup ; 2.71; 3800;occ; 120; 0;45817

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 3; 1531.1; 04-DEC-2010 17:30:11; Dark ; 46.0; 101; 11Alp Lep ; 2.58; 7000;occ; 92; 0;45817
 4; 1736.8; 04-DEC-2010 17:33:37; Dark ; 58.5; 7; 19Bet Ori ; 0.10; 14000;occ; 117; 0;45817
 5; 2202.6; 04-DEC-2010 17:41:23; Dark ; 57.0; 13; 87Alp Tau ; 0.87; 3800;occ; 114; 0;45817
 6; 2308.6; 04-DEC-2010 17:43:09; Bright; 38.0; 146; 25Eta Tau ; 2.87; 15200;occ; 76; 0;45817
 7; 2446.4; 04-DEC-2010 17:45:27; Bright; 39.0; 150; 44Zet Per ; 2.89; 28000;occ; 78; 0;45817
 8; 2589.6; 04-DEC-2010 17:47:50; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;45817
 9; 2714.1; 04-DEC-2010 17:49:54; Bright; 36.0; 175; 39Del Per ; 3.01; 19400;occ; 72; 0;45817
 10; 2799.6; 04-DEC-2010 17:51:20; Bright; 49.5; 6; 13Alp Aur ; 0.08; 3400;occ; 99; 0;45817
 11; 3782.0; 04-DEC-2010 18:07:42; Bright; 47.5; 36; 50Alp UMA ; 1.80; 6300;occ; 95; 0;45817
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 17; 4857.6; 04-DEC-2010 18:25:38; Bright; 42.5; 138; 47Eps Vir ; 2.83; 4700;occ; 85; 0;45817
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 22; 6463.9; 04-DEC-2010 18:52:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45818
 23; 6656.6; 04-DEC-2010 18:55:37; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;45818
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4; 1531.4; 04-DEC-2010 19:10:26; Dark ; 52.5; 101; 11Alp Lep ; 2.58; 7000;occ; 105; 0;45818
5; 1736.9; 04-DEC-2010 19:13:51; Dark ; 58.0; 7; 19Bet Ori ; 0.10; 14000;occ; 116; 0;45818
6; 2057.3; 04-DEC-2010 19:19:12; Dark ; 26.0; 27; 24Gam Ori ; 1.64; 26000;occ; 52; 0;45818
7; 2202.1; 04-DEC-2010 19:21:37; Dark ; 60.0; 13; 87Alp Tau ; 0.87; 3800;occ; 120; 0;45818
8; 2308.5; 04-DEC-2010 19:23:23; Bright; 38.5; 146; 25Eta Tau ; 2.87; 15200;occ; 77; 0;45818
9; 2446.4; 04-DEC-2010 19:25:41; Bright; 38.0; 150; 44Zet Per ; 2.89; 28000;occ; 76; 0;45818
10; 2540.3; 04-DEC-2010 19:27:15; Bright; 44.0; 114; 3Iot Aur ; 2.69; 4600;occ; 88; 0;45818
11; 2713.7; 04-DEC-2010 19:30:08; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;45818
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13; 3781.5; 04-DEC-2010 19:47:56; Bright; 40.5; 36; 50Alp UMa ; 1.80; 6300;occ; 81; 0;45818
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21; 5575.7; 04-DEC-2010 20:17:50; Dark ; 50.0; 171; 2Eps Crv ; 3.00; 4250;occ; 100; 0;45818
22; 6138.9; 04-DEC-2010 20:27:13; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;45819
23; 6464.7; 04-DEC-2010 20:32:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45819
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25; 6839.9; 04-DEC-2010 20:38:54; Dark ; 54.5; 2; Alp Car ; -0.74; 7000;occ; 109; 0;45819
26; 6966.2; 04-DEC-2010 20:41:01; Dark ; 59.5; 117; Pi Pup ; 2.71; 3800;occ; 119; 0;45819
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Problem occurred when reading packet number 880!
Invalid integration number = 32!
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2; 1531.9; 05-DEC-2010 01:51:22; Dark ; 49.5; 101; 11Alp Lep ; 2.58; 7000;occ; 99; 48;45822
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8; 2523.5; 07-DEC-2010 07:35:23; Bright; 44.0; 114; 3Iot Aur ; 2.69; 4600;occ; 88; 0;45854
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14; 4120.4; 07-DEC-2010 08:02:00; Bright; 39.5; 39; 85Eta UMA ; 1.85; 24000;occ; 79; 0;45854
15; 4330.6; 07-DEC-2010 08:05:30; Bright; 41.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 83; 0;45854
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23; 6168.9; 07-DEC-2010 08:36:08; Dark ; 48.5; 113; Mu Vel ; 2.69; 5000;occ; 97; 0;45855
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26; 6857.0; 07-DEC-2010 08:47:36; Dark ; 47.0; 2; Alp Car ; -0.74; 7000;occ; 94; 0;45855
27; 6992.9; 07-DEC-2010 08:49:52; Dark ; 58.5; 117; Pi Pup ; 2.71; 3800;occ; 117; 0;45855
28; 7230.7; 07-DEC-2010 08:53:50; Dark ; 44.0; 108; Alp Col ; 2.65; 15200;occ; 88; 0;45855
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 16; 4673.9; 07-DEC-2010 14:52:09; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;45858
 17; 4876.0; 07-DEC-2010 14:55:31; Bright; 64.0; 138; 47Eps Vir ; 2.83; 4700;occ; 128; 0;45858
 18; 5157.5; 07-DEC-2010 15:00:13; Dark ; 53.5; 121; 29Gam Vir ; 2.74; 7200;occ; 107; 0;45858
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 20; 5518.1; 07-DEC-2010 15:06:14; Dark ; 54.5; 100; 4Gam Crv ; 2.58; 13100;occ; 109; 0;45858
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 22; 5969.5; 07-DEC-2010 15:13:45; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;45858
 23; 6172.2; 07-DEC-2010 15:17:08; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45859
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 12; 4314.6; 14-DEC-2010 08:48:51; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;45955
 13; 4504.7; 14-DEC-2010 08:52:01; Bright; 34.5; 83; ; 2.38; 11000;occ; 69; 0;45955
 14; 4700.1; 14-DEC-2010 08:55:16; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;45955
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 16; 5284.7; 14-DEC-2010 09:05:01; Dark ; 49.0; 15; 67Alp Vir ; 0.98; 28000;occ; 98; 0;45955
 17; 5493.7; 14-DEC-2010 09:08:30; Dark ; 47.0; 169; 46Gam Hya ; 2.99; 4700;occ; 94; 0;45955
 18; 5628.5; 14-DEC-2010 09:10:45; Dark ; 49.0; 100; 4Gam Crv ; 2.58; 13100;occ; 98; 0;45955
 19; 5723.8; 14-DEC-2010 09:12:20; Dark ; 57.0; 171; 2Eps Crv ; 3.00; 4250;occ; 114; 0;45955
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 22; 6255.8; 14-DEC-2010 09:21:12; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45956
 23; 6489.1; 14-DEC-2010 09:25:05; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;45956
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 26; 6900.6; 14-DEC-2010 09:31:57; Dark ; 45.0; 2; Alp Car ; -0.74; 7000;occ; 90; 0;45956
 27; 7058.7; 14-DEC-2010 09:34:35; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;45956
 28; 7256.3; 14-DEC-2010 09:37:52; Dark ; 58.5; 23; 21Eps CMa ; 1.50; 26000;occ; 117; 0;45956
 29; 7536.0; 14-DEC-2010 09:42:32; Dark ; 53.0; 47; 2Bet CMa ; 1.98; 28000;occ; 106; 0;45956

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 6; 2320.2; 14-DEC-2010 09:55:50; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;45956
 7; 2442.5; 14-DEC-2010 09:57:53; Bright; 44.5; 28; 12Bet Tau ; 1.65; 15200;occ; 89; 0;45956
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 12; 4117.9; 14-DEC-2010 10:25:48; Bright; 40.0; 39; 85Eta UMa ; 1.85; 24000;occ; 80; 0;45956
 13; 4314.8; 14-DEC-2010 10:29:05; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;45956
 14; 4504.9; 14-DEC-2010 10:32:15; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;45956
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 22; 6031.8; 14-DEC-2010 10:57:42; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;45957
 23; 6256.8; 14-DEC-2010 11:01:27; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45957
 24; 6489.7; 14-DEC-2010 11:05:20; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;45957
 25; 6574.3; 14-DEC-2010 11:06:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45957
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 27; 6901.0; 14-DEC-2010 11:12:11; Dark ; 56.0; 2; Alp Car ; -0.74; 7000;occ; 112; 0;45957
 28; 7059.2; 14-DEC-2010 11:14:49; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;45957
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 19; 5631.1; 14-DEC-2010 12:31:15; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;45957
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 22; 6032.3; 14-DEC-2010 12:37:56; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;45958
 23; 6257.6; 14-DEC-2010 12:41:42; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45958
 24; 6490.3; 14-DEC-2010 12:45:34; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;45958
 25; 6575.0; 14-DEC-2010 12:46:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45958
 26; 6766.6; 14-DEC-2010 12:50:11; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;45958
 27; 6901.5; 14-DEC-2010 12:52:26; Dark ; 49.5; 2; Alp Car ; -0.74; 7000;occ; 99; 0;45958
 28; 7059.8; 14-DEC-2010 12:55:04; Dark ; 58.0; 117; Pi Pup ; 2.71; 3800;occ; 116; 0;45958
 29; 7257.2; 14-DEC-2010 12:58:21; Dark ; 56.0; 23; 21Eps CMa ; 1.50; 26000;occ; 112; 0;45958
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 3; 2068.0; 14-DEC-2010 13:12:06; Dark ; 63.5; 14; 58Alp Ori ; 0.87; 3000;occ; 127; 0;45958
 4; 2178.6; 14-DEC-2010 13:13:57; Dark ; 55.0; 13; 87Alp Tau ; 0.87; 3800;occ; 110; 0;45958
 5; 2319.2; 14-DEC-2010 13:16:17; Bright; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;45958
 6; 2441.7; 14-DEC-2010 13:18:20; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;45958
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 8; 2790.7; 14-DEC-2010 13:24:09; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;45958
 9; 3720.1; 14-DEC-2010 13:29:38; Bright; 46.5; 36; 50Alp UMa ; 1.80; 6300;occ; 93; 0;45958
 10; 3966.4; 14-DEC-2010 13:43:44; Bright; 43.0; 32; 77Eps UMa ; 1.76; 11000;occ; 86; 0;45958
 11; 4117.8; 14-DEC-2010 13:46:16; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 0;45958
 12; 4315.0; 14-DEC-2010 13:49:33; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;45958
 13; 4505.4; 14-DEC-2010 13:52:43; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;45958
 14; 4701.1; 14-DEC-2010 13:55:59; Bright; 41.0; 111; 8Eta Boo ; 2.68; 6000;occ; 82; 0;45958

15; 4930.1; 14-DEC-2010 13:59:48; Bright; 72.0; 138; 47Eps Vir ; 2.83; 4700;occ; 144; 0;45958
 16; 5286.7; 14-DEC-2010 14:05:45; Dark ; 51.5; 15; 67Alp Vir ; 0.98; 28000;occ; 103; 0;45958
 17; 5495.8; 14-DEC-2010 14:09:14; Dark ; 49.0; 169; 46Gam Hya ; 2.99; 4700;occ; 98; 0;45958
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 19; 5727.5; 14-DEC-2010 14:13:06; Dark ; 59.5; 171; 2Eps Crv ; 3.00; 4250;occ; 119; 0;45958
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 21; 6033.1; 14-DEC-2010 14:18:11; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;45959
 22; 6258.7; 14-DEC-2010 14:21:57; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45959
 23; 6491.1; 14-DEC-2010 14:25:49; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;45959
 24; 6575.9; 14-DEC-2010 14:27:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45959
 25; 6767.4; 14-DEC-2010 14:30:25; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;45959
 26; 6901.9; 14-DEC-2010 14:32:40; Dark ; 53.0; 2; Alp Car ; -0.74; 7000;occ; 106; 0;45959
 27; 7060.3; 14-DEC-2010 14:35:18; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;45959
 28; 7257.7; 14-DEC-2010 14:38:36; Dark ; 54.0; 23; 21Eps CMA ; 1.50; 26000;occ; 108; 0;45959

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 5; 23.0; 15-DEC-2010 00:19:39; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;45965
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 12; 1246.2; 15-DEC-2010 00:40:02; Dark ; 58.5; 23; 21Eps CMA ; 1.50; 26000;occ; 117; 0;45965
 13; 1523.2; 15-DEC-2010 00:44:39; Dark ; 54.0; 47; 2Bet CMA ; 1.98; 28000;occ; 108; 0;45965
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 15; 1873.6; 15-DEC-2010 00:50:30; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;45965
 16; 2065.4; 15-DEC-2010 00:53:42; Dark ; 62.5; 14; 58Alp Ori ; 0.87; 3000;occ; 125; 0;45965
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 22; 3686.1; 15-DEC-2010 01:20:42; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;45965
 23; 3964.9; 15-DEC-2010 01:25:21; Bright; 62.0; 32; 77Eps UMA ; 1.76; 11000;occ; 124; 0;45965
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 25; 4315.6; 15-DEC-2010 01:31:12; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;45965
 26; 4506.5; 15-DEC-2010 01:34:23; Bright; 54.0; 83; ; 2.38; 11000;occ; 108; 0;45965
 27; 4703.0; 15-DEC-2010 01:37:39; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;45965
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 9; 758.4; 15-DEC-2010 02:12:09; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;45966
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 12; 1246.7; 15-DEC-2010 02:20:17; Dark ; 53.5; 23; 21Eps CMA ; 1.50; 26000;occ; 107; 0;45966
 13; 1523.4; 15-DEC-2010 02:24:54; Dark ; 56.0; 47; 2Bet CMA ; 1.98; 28000;occ; 112; 0;45966
 14; 1737.3; 15-DEC-2010 02:28:28; Dark ; 52.5; 7; 19Bet Ori ; 0.10; 14000;occ; 105; 0;45966
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 16; 2065.0; 15-DEC-2010 02:33:55; Dark ; 67.0; 14; 58Alp Ori ; 0.87; 3000;occ; 134; 0;45966
 17; 2177.9; 15-DEC-2010 02:35:48; Dark ; 50.5; 13; 87Alp Tau ; 0.87; 3800;occ; 101; 0;45966
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27; 7262.9; 15-DEC-2010 10:41:29; Dark ; 55.0; 23; 21Eps CMa ; 1.50; 26000;occ; 110; 0;45971
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 15; 4947.3; 16-DEC-2010 09:26:10; Bright; 51.0; 138; 47Eps Vir ; 2.83; 4700;occ; 102; 0;45984
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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
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12; 4116.3; 16-DEC-2010 10:52:33; Bright; 51.0; 39; 85Eta UMa ; 1.85; 24000;occ; 102; 0;45985
13; 4317.3; 16-DEC-2010 10:55:54; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;45985
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23; 6282.4; 16-DEC-2010 11:28:39; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45986
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27; 6913.6; 16-DEC-2010 11:39:10; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;45986
28; 7075.6; 16-DEC-2010 11:41:52; Dark ; 54.5; 117; Pi Pup ; 2.71; 3800;occ; 109; 0;45986
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31; 7540.4; 16-DEC-2010 11:49:37; Dark ; 16.0; 47; 2Bet CMA ; 1.98; 28000;occ; 32; 0;45986

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6; 2307.7; 16-DEC-2010 12:02:39; Bright; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;45986
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8; 2644.5; 16-DEC-2010 12:08:15; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;45986
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14; 4510.3; 16-DEC-2010 12:39:21; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;45986
15; 4709.7; 16-DEC-2010 12:42:41; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;45986
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21; 5954.4; 16-DEC-2010 13:03:25; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;45986
22; 6052.3; 16-DEC-2010 13:05:03; Dark ; 42.5; 99; Del Cen ; 2.58; 26000;occ; 85; 0;45987
23; 6283.4; 16-DEC-2010 13:08:54; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;45987
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26; 6787.4; 16-DEC-2010 13:17:18; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;45987
27; 6914.4; 16-DEC-2010 13:19:25; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;45987
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29; 7219.7; 16-DEC-2010 13:24:30; Dark ; 38.0; 88; 31Eta CMA ; 2.45; 20000;occ; 76; 0;45987
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31; 7540.6; 16-DEC-2010 13:29:51; Dark ; 31.0; 47; 2Bet CMA ; 1.98; 28000;occ; 62; 0;45987

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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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14; 4510.6; 16-DEC-2010 14:19:35; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;45987
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23; 6284.3; 16-DEC-2010 14:49:09; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;45988
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28; 7077.0; 16-DEC-2010 15:02:22; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;45988
29; 7270.2; 16-DEC-2010 15:05:35; Dark ; 51.5; 23; 21Eps CMa ; 1.50; 26000;occ; 103; 0;45988
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14; 4510.7; 16-DEC-2010 15:59:50; Bright; 35.0; 83; ; 2.38; 11000;occ; 70; 0;45988
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21; 5955.9; 16-DEC-2010 16:23:55; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;45988
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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
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 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
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 25; 6286.2; 16-DEC-2010 18:09:39; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;45990
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 27; 6599.2; 16-DEC-2010 18:14:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45990
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 29; 6916.7; 16-DEC-2010 18:20:10; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;45990
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 3; -240.6; 17-DEC-2010 00:42:02; Dark ; 35.0; 171; 2Eps Crv ; 3.00; 4250;occ; 70; 0;45993
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 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
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 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
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 23; 3685.4; 17-DEC-2010 01:47:28; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;45994
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 25; 4115.5; 17-DEC-2010 01:54:38; Bright; 43.0; 39; 85Eta UMa ; 1.85; 24000;occ; 86; 0;45994
 26; 4318.1; 17-DEC-2010 01:58:01; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;45994
 27; 4511.5; 17-DEC-2010 02:01:14; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;45994
 28; 4712.1; 17-DEC-2010 02:04:35; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;45994

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 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
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 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
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 13; 1527.6; 17-DEC-2010 02:51:44; Dark ; 52.5; 47; 2Bet CMa ; 1.98; 28000;occ; 105; 0;45995
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 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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 13; 277.4; 17-DEC-2010 04:11:08; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;45996
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 15; 589.5; 17-DEC-2010 04:16:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45996
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 17; 907.1; 17-DEC-2010 04:21:38; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;45996
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 21; 1527.9; 17-DEC-2010 04:31:59; Dark ; 49.5; 47; 2Bet CMa ; 1.98; 28000;occ; 99; 0;45996
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 23; 1870.9; 17-DEC-2010 04:37:42; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;45996
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 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
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 23; 2055.0; 17-DEC-2010 06:21:00; Dark ; 59.5; 14; 58Alp Ori ; 0.87; 3000;occ; 119; 0;45997
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 27; 2637.7; 17-DEC-2010 06:30:43; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;45997
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27; 4514.1; 18-DEC-2010 01:24:33; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;46008
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13; 1385.9; 21-DEC-2010 22:05:31; Dark ; 52.0; 179; 240mi2CMa ; 3.03; 24000;occ; 104; 0;46064
14; 1552.5; 21-DEC-2010 22:08:18; Dark ; 66.5; 1; 9Alp CMa ; -1.44; 11000;occ; 133; 0;46064
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22; 3682.8; 21-DEC-2010 22:43:48; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;46064
23; 3940.4; 21-DEC-2010 22:48:05; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;46064
24; 4109.4; 21-DEC-2010 22:50:54; Bright; 40.5; 39; 85Eta UMa ; 1.85; 24000;occ; 81; 0;46064
25; 4323.5; 21-DEC-2010 22:54:29; Bright; 42.0; 180; 27Gam Boo ; 3.04; 8000;occ; 84; 0;46064
26; 4524.0; 21-DEC-2010 22:57:49; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;46064
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 5; 92.4; 21-DEC-2010 23:24:11; Dark ; 53.0; 26; Gam Cru ; 1.62; 2900;occ; 106; 0;46065
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13; 1386.3; 21-DEC-2010 23:45:45; Dark ; 51.5; 179; 240mi2CMa ; 3.03; 24000;occ; 103; 0;46065
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13; 535.8; 21-DEC-2010 06:49:15; Dark ; 45.5; 71; Iot Car ; 2.25; 7700;occ; 91; 0;46055
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13; 4733.0; 21-DEC-2010 07:59:12; Bright; 45.0; 111; 8Eta Boo ; 2.68; 6000;occ; 90; 0;46055
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3; 2039.6; 21-DEC-2010 10:34:46; Dark ; 62.0; 14; 58Alp Ori ; 0.87; 3000;occ; 124; 0;46057
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8; 2696.2; 23-DEC-2010 07:52:02; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;46084
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23; 6852.1; 23-DEC-2010 09:01:18; Dark ; 50.0; 34; Gam2Vel ; 1.79; 23000;occ; 100; 0;46085
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26; 7306.8; 23-DEC-2010 09:08:52; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;46085
27; 7405.9; 23-DEC-2010 09:10:31; Dark ; 47.5; 179; 240mi2CMA ; 3.03; 24000;occ; 95; 0;46085
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26;	4754.1;	25-DEC-2010	02:12:10;	Bright;	;	46.5;	111;	8Eta Boo	;	2.68;	6000;occ;	93;	0;	46109
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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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13; 4762.3; 26-DEC-2010 11:36:59; Bright; 51.5; 111; 8Eta Boo ; 2.68; 6000;occ; 103; 0;46129
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27; 7417.9; 26-DEC-2010 12:21:14; Dark ; 44.5; 179; 240mi2CMa ; 3.03; 24000;occ; 89; 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
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 28; 3618.4; 27-DEC-2010 07:20:43; Bright; 48.0; 36; 50Alp UMa ; 1.80; 6300;occ; 96; 0;46141

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 17; 4328.6; 27-DEC-2010 20:54:26; Bright; 60.0; 180; 27Gam Boo ; 3.04; 8000;occ; 120; 0;46149
 18; 4539.8; 27-DEC-2010 20:57:57; Bright; 59.0; 83; ; 2.38; 11000;occ; 118; 0;46149
 19; 4771.3; 27-DEC-2010 21:01:48; Bright; 71.5; 111; 8Eta Boo ; 2.68; 6000;occ; 143; 0;46149

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 22; 2568.7; 27-DEC-2010 22:05:20; Bright; 40.5; 107; 37The Aur ; 2.65; 11000;occ; 81; 0;46150
 23; 2683.9; 27-DEC-2010 22:07:15; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;46150
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 26; 4097.7; 27-DEC-2010 22:30:49; Bright; 64.0; 39; 85Eta UMa ; 1.85; 24000;occ; 128; 0;46150
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 28; 4540.1; 27-DEC-2010 22:38:11; Bright; 59.0; 83; ; 2.38; 11000;occ; 118; 0;46150
 29; 4771.7; 27-DEC-2010 22:42:03; Bright; 71.5; 111; 8Eta Boo ; 2.68; 6000;occ; 143; 0;46150

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 23; 3611.9; 28-DEC-2010 00:02:57; Bright; 44.0; 36; 50Alp UMa ; 1.80; 6300;occ; 88; 0;46151
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 27; 4540.2; 28-DEC-2010 00:18:25; Bright; 59.0; 83; ; 2.38; 11000;occ; 118; 0;46151
 28; 4772.1; 28-DEC-2010 00:22:17; Bright; 72.0; 111; 8Eta Boo ; 2.68; 6000;occ; 144; 0;46151
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 25; 6919.6; 31-DEC-2010 15:50:14; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;46204
 26; 7050.5; 31-DEC-2010 15:52:25; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;46204
 27; 7175.5; 31-DEC-2010 15:54:30; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;46204
 28; 7343.4; 31-DEC-2010 15:57:18; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;46204

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1; 1358.8; 31-DEC-2010 15:57:47; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 59;46204
 2; 1421.5; 31-DEC-2010 15:58:50; Dark ; 46.0; 179; 240mi2CMA ; 3.03; 24000;occ; 92; 0;46204
 3; 1569.7; 31-DEC-2010 16:01:18; Dark ; 51.0; 1; 9Alp CMA ; -1.44; 11000;occ; 102; 0;46204
 4; 1719.3; 31-DEC-2010 16:03:47; Dark ; 43.0; 56; 53Kap Ori ; 2.07; 30000;occ; 86; 0;46204
 5; 1869.2; 31-DEC-2010 16:06:17; Dark ; 43.0; 30; 46Eps Ori ; 1.69; 30000;occ; 86; 0;46204
 6; 2020.3; 31-DEC-2010 16:08:48; Dark ; 55.5; 14; 58Alp Ori ; 0.87; 3000;occ; 111; 0;46204
 7; 2216.4; 31-DEC-2010 16:12:05; Dark ; 57.5; 44; 24Gam Gem ; 1.93; 11000;occ; 115; 0;46204
 8; 2314.3; 31-DEC-2010 16:13:42; Bright; 47.0; 151; 13Mu Gem ; 2.89; 3000;occ; 94; 0;46204
 9; 2553.2; 31-DEC-2010 16:17:41; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;46204
 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
 14; 4330.9; 31-DEC-2010 16:47:19; Bright; 43.5; 180; 27Gam Boo ; 3.04; 8000;occ; 87; 0;46204
 15; 4550.9; 31-DEC-2010 16:50:59; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;46204
 16; 4745.4; 31-DEC-2010 16:54:14; Bright; 53.0; 3; 16Alp Boo ; -0.05; 4250;occ; 106; 0;46204
 17; 5168.7; 31-DEC-2010 17:01:17; Bright; 56.0; 104; 27Bet Lib ; 2.61; 13100;occ; 112; 0;46204
 18; 5326.8; 31-DEC-2010 17:03:55; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;46204
 19; 5738.3; 31-DEC-2010 17:10:47; Dark ; 52.5; 54; 5The Cen ; 2.06; 4500;occ; 105; 0;46204
 20; 5903.9; 31-DEC-2010 17:13:32; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;46204
 21; 6112.2; 31-DEC-2010 17:17:00; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;46205
 22; 6221.0; 31-DEC-2010 17:18:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46205
 23; 6480.3; 31-DEC-2010 17:23:08; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46205
 24; 6635.5; 31-DEC-2010 17:25:44; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46205
 25; 6730.5; 31-DEC-2010 17:27:19; Dark ; 50.5; 41; Eps Car ; 1.86; 4100;occ; 101; 0;46205
 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
 28; 7175.8; 31-DEC-2010 17:34:44; Dark ; 30.5; 117; Pi Pup ; 2.71; 3800;occ; 61; 0;46205

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 2; 1329.5; 31-DEC-2010 17:37:32; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;46205
 3; 1422.0; 31-DEC-2010 17:39:04; Dark ; 44.0; 179; 240mi2CMA ; 3.03; 24000;occ; 88; 0;46205
 4; 1569.7; 31-DEC-2010 17:41:32; Dark ; 49.0; 1; 9Alp CMA ; -1.44; 11000;occ; 98; 0;46205
 5; 1719.3; 31-DEC-2010 17:44:02; Dark ; 41.0; 56; 53Kap Ori ; 2.07; 30000;occ; 82; 0;46205
 6; 1869.3; 31-DEC-2010 17:46:32; Dark ; 44.0; 30; 46Eps Ori ; 1.69; 30000;occ; 88; 0;46205
 7; 2020.2; 31-DEC-2010 17:49:03; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;46205
 8; 2216.0; 31-DEC-2010 17:52:18; Dark ; 57.5; 44; 24Gam Gem ; 1.93; 11000;occ; 115; 0;46205
 9; 2313.9; 31-DEC-2010 17:53:56; Bright; 57.0; 151; 13Mu Gem ; 2.89; 3000;occ; 114; 0;46205
 10; 2552.9; 31-DEC-2010 17:57:55; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;46205
 11; 2677.8; 31-DEC-2010 18:00:00; Bright; 39.5; 6; 13Alp Aur ; 0.08; 3400;occ; 79; 0;46205
 12; 3672.4; 31-DEC-2010 18:16:35; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;46205
 13; 3891.6; 31-DEC-2010 18:20:14; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;46205
 14; 4087.9; 31-DEC-2010 18:23:30; Bright; 46.5; 39; 85Eta UMa ; 1.85; 24000;occ; 93; 0;46205
 15; 4330.8; 31-DEC-2010 18:27:33; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;46205
 16; 4551.1; 31-DEC-2010 18:31:13; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;46205
 17; 4745.8; 31-DEC-2010 18:34:28; Bright; 52.5; 3; 16Alp Boo ; -0.05; 4250;occ; 105; 0;46205
 18; 5169.1; 31-DEC-2010 18:41:31; Bright; 45.5; 104; 27Bet Lib ; 2.61; 13100;occ; 91; 0;46205
 19; 5327.2; 31-DEC-2010 18:44:10; Dark ; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;46205
 20; 5739.0; 31-DEC-2010 18:51:01; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;46205
 21; 5904.5; 31-DEC-2010 18:53:47; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;46205
 22; 6112.9; 31-DEC-2010 18:57:15; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;46206
 23; 6221.9; 31-DEC-2010 18:59:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46206
 24; 6481.2; 31-DEC-2010 19:03:24; Dark ; 52.0; 113; Mu Vel ; 2.69; 5000;occ; 104; 0;46206
 25; 6636.0; 31-DEC-2010 19:05:58; Dark ; 46.5; 71; Iot Car ; 2.25; 7700;occ; 93; 0;46206
 26; 6749.9; 31-DEC-2010 19:07:52; Dark ; 47.0; 46; Del Vel ; 1.95; 10600;occ; 94; 0;46206
 27; 6920.5; 31-DEC-2010 19:10:43; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;46206
 28; 7051.4; 31-DEC-2010 19:12:54; Dark ; 22.5; 70; Zet Pup ; 2.25; 39000;occ; 45; 0;46206

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2;	1162.1;	31-DEC-2010	19:14:59;	Dark	;	47.0;	117;	Pi Pup	;	2.71;	3800;occ;	94;	0;46206
3;	1329.8;	31-DEC-2010	19:17:46;	Dark	;	44.0;	23;	21Eps CMa	;	1.50;	26000;occ;	88;	0;46206
4;	1422.0;	31-DEC-2010	19:19:18;	Dark	;	42.5;	179;	24Omi2CMa	;	3.03;	24000;occ;	85;	0;46206
5;	1569.9;	31-DEC-2010	19:21:46;	Dark	;	48.0;	1;	9Alp CMa	;	-1.44;	11000;occ;	96;	0;46206
6;	1719.2;	31-DEC-2010	19:24:16;	Dark	;	42.0;	56;	53Kap Ori	;	2.07;	30000;occ;	84;	0;46206
7;	1869.3;	31-DEC-2010	19:26:46;	Dark	;	44.5;	30;	46Eps Ori	;	1.69;	30000;occ;	89;	0;46206
8;	2020.2;	31-DEC-2010	19:29:17;	Dark	;	55.0;	14;	58Alp Ori	;	0.87;	3000;occ;	110;	0;46206
9;	2215.8;	31-DEC-2010	19:32:32;	Dark	;	57.0;	44;	24Gam Gem	;	1.93;	11000;occ;	114;	0;46206
10;	2313.6;	31-DEC-2010	19:34:10;	Bright;	;	47.5;	151;	13Mu Gem	;	2.89;	3000;occ;	95;	0;46206
11;	2552.7;	31-DEC-2010	19:38:09;	Bright;	;	39.0;	107;	37The Aur	;	2.65;	11000;occ;	78;	0;46206
12;	2677.7;	31-DEC-2010	19:40:14;	Bright;	;	41.0;	6;	13Alp Aur	;	0.08;	3400;occ;	82;	0;46206
13;	3672.2;	31-DEC-2010	19:56:49;	Bright;	;	35.0;	60;	7Bet UMi	;	2.08;	3950;occ;	70;	0;46206
14;	3891.1;	31-DEC-2010	20:00:28;	Bright;	;	49.5;	32;	77Eps UMa	;	1.76;	11000;occ;	99;	0;46206
15;	4087.7;	31-DEC-2010	20:03:44;	Bright;	;	66.0;	39;	85Eta UMa	;	1.85;	24000;occ;	132;	0;46206
16;	4330.9;	31-DEC-2010	20:07:47;	Bright;	;	62.0;	180;	27Gam Boo	;	3.04;	8000;occ;	124;	0;46206
17;	4551.4;	31-DEC-2010	20:11:28;	Bright;	;	62.0;	83;		;	2.38;	11000;occ;	124;	0;46206
18;	4746.2;	31-DEC-2010	20:14:43;	Bright;	;	53.5;	3;	16Alp Boo	;	-0.05;	4250;occ;	107;	0;46206
19;	5169.6;	31-DEC-2010	20:21:46;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;occ;	112;	0;46206
20;	5327.7;	31-DEC-2010	20:24:24;	Dark	;	45.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	91;	0;46206
21;	5739.5;	31-DEC-2010	20:31:16;	Dark	;	48.5;	54;	5The Cen	;	2.06;	4500;occ;	97;	0;46206
22;	5904.9;	31-DEC-2010	20:34:01;	Dark	;	42.0;	95;	Zet Cen	;	2.55;	26000;occ;	84;	0;46206
23;	6113.8;	31-DEC-2010	20:37:30;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;occ;	89;	0;46207
24;	6222.7;	31-DEC-2010	20:39:19;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;46207
25;	6482.0;	31-DEC-2010	20:43:38;	Dark	;	46.5;	113;	Mu Vel	;	2.69;	5000;occ;	93;	0;46207
26;	6636.4;	31-DEC-2010	20:46:13;	Dark	;	45.0;	71;	Iot Car	;	2.25;	7700;occ;	90;	0;46207
27;	6750.2;	31-DEC-2010	20:48:07;	Dark	;	42.5;	46;	Del Vel	;	1.95;	10600;occ;	85;	0;46207
28;	6921.0;	31-DEC-2010	20:50:57;	Dark	;	48.0;	34;	Gam2Vel	;	1.79;	23000;occ;	96;	0;46207
29;	7051.8;	31-DEC-2010	20:53:08;	Dark	;	23.5;	70;	Zet Pup	;	2.25;	39000;occ;	47;	0;46207