

GOMOS Daily Report 09-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 16:12:42
Data source version	GOMOS/5.01
Start time of products	09DEC2010 00:01:33
Stop time of products	09DEC2010 23:56:22
Store outputs in DB	No
Nb of level 1b prods	157
Nb of prods with errors	1

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

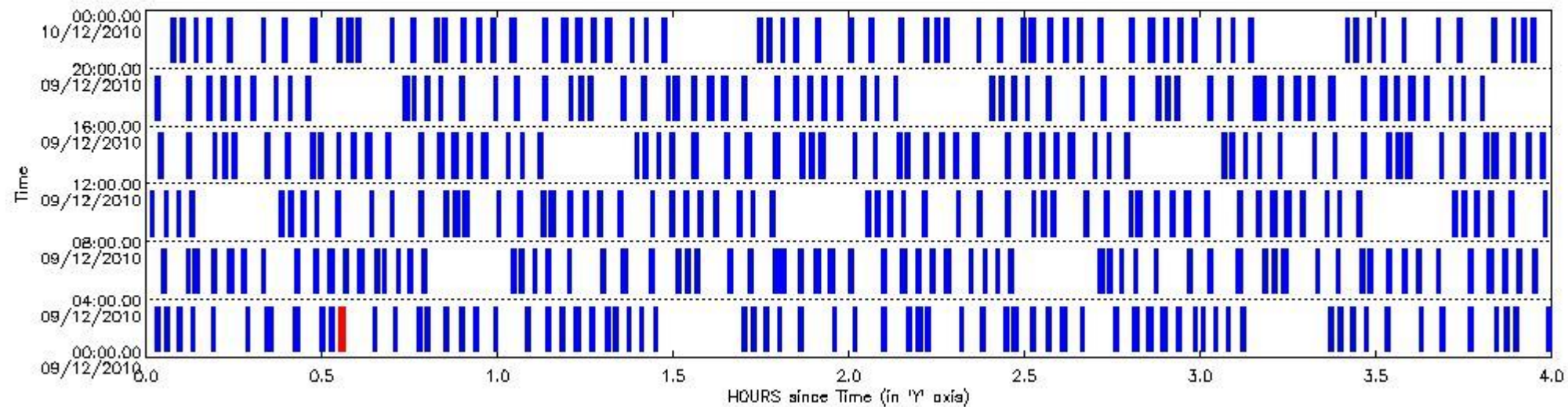
2.1 Level 0 products arrived in PCF (see template [here](#))

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
09-DEC-2010 00:32:47	2EpsCrv	171	45878

2.4 Summary of processed GOM_TRA_1P products

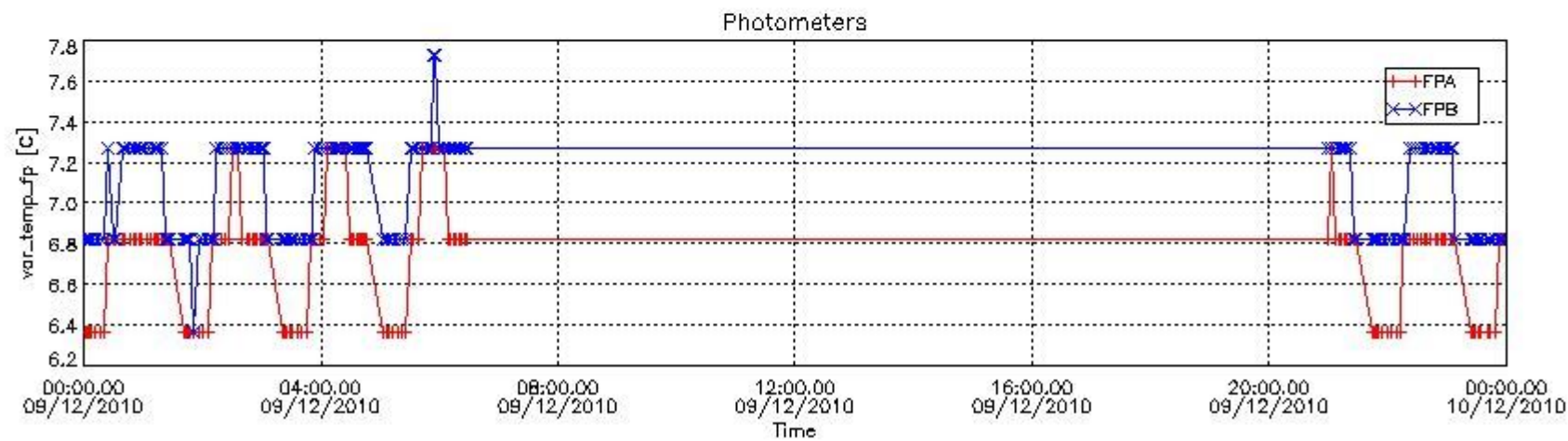
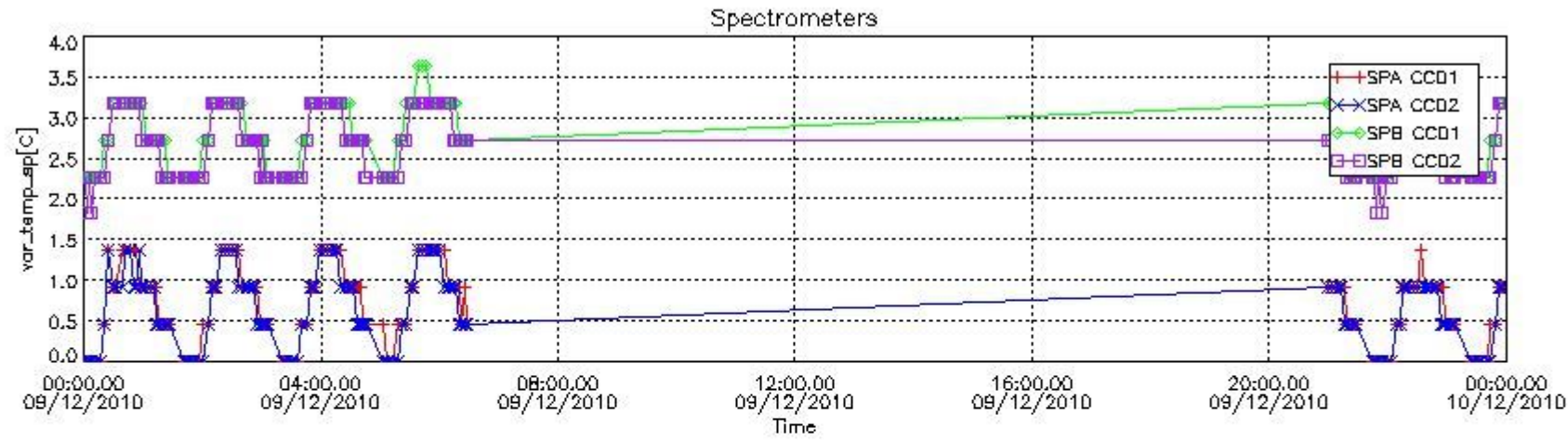
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20101209_000133_000000473097_00174_45878_5245.N1	09-DEC-2010 00:01:33	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	45878	No
2	GOM_TRA_1PNPDE20101209_000304_000000503097_00174_45878_5246.N1	09-DEC-2010 00:03:04	Bright	49.500	82	48Bet UMa	2.3650	10600.	99	45878	No
3	GOM_TRA_1PNPDE20101209_000517_000000423097_00174_45878_5247.N1	09-DEC-2010 00:05:17	Bright	41.500	32	77Eps UMa	1.7630	11000.	83	45878	No
4	GOM_TRA_1PNPDE20101209_000736_000000403097_00174_45878_5248.N1	09-DEC-2010 00:07:36	Bright	40.000	39	85Eta UMa	1.8540	24000.	80	45878	No
5	GOM_TRA_1PNPDE20101209_001107_000000413097_00174_45878_5249.N1	09-DEC-2010 00:11:07	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	45878	No
6	GOM_TRA_1PNPDE20101209_001655_000000373097_00174_45878_5250.N1	09-DEC-2010 00:16:55	Bright	36.500	111	8Eta Boo	2.6800	6000.0	73	45878	No
7	GOM_TRA_1PNPDE20101209_002022_000000663097_00174_45878_5251.N1	09-DEC-2010 00:20:22	Bright	66.000	138	47Eps Vir	2.8280	4700.0	132	45878	No
8	GOM_TRA_1PNPDE20101209_002509_000000533097_00174_45878_5282.N1	09-DEC-2010 00:25:09	Tw_i_and_stray	52.500	121	29Gam Vir	2.7400	7200.0	105	45878	Yes
9	GOM_TRA_1PNPDE20101209_002940_000000463097_00174_45878_5283.N1	09-DEC-2010 00:29:40	Tw_i_and_stray	46.000	169	46Gam Hya	2.9910	4700.0	92	45878	No
10	GOM_TRA_1PNPDE20101209_003115_000000523097_00174_45878_5284.N1	09-DEC-2010 00:31:15	Dark	51.500	100	4Gam Crv	2.5800	13100.	103	45878	No

11	GOM_TRA_1PNPDE20101209_003837_000000413097_00174_45878_5285.N1	09-DEC-2010 00:38:37	Dark	41.000	99	Del Cen	2.5750	26000.	82	45878	No
12	GOM_TRA_1PNPDE20101209_004205_000000463097_00175_45879_5286.N1	09-DEC-2010 00:42:05	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	45879	No
13	GOM_TRA_1PNPDE20101209_004617_000000443097_00175_45879_5287.N1	09-DEC-2010 00:46:17	Dark	43.500	91	Kap Vel	2.4900	26000.	87	45879	No
14	GOM_TRA_1PNPDE20101209_005042_000000473097_00175_45879_5288.N1	09-DEC-2010 00:50:42	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	45879	No
15	GOM_TRA_1PNPDE20101209_005324_000000533097_00175_45879_5289.N1	09-DEC-2010 00:53:24	Dark	52.500	2	Alp Car	-0.73600	7000.0	105	45879	No
16	GOM_TRA_1PNPDE20101209_005546_000000563097_00175_45879_5290.N1	09-DEC-2010 00:55:46	Dark	56.000	117	Pi Pup	2.7060	3800.0	112	45879	No
17	GOM_TRA_1PNPDE20101209_005915_000000343097_00175_45879_5291.N1	09-DEC-2010 00:59:15	Dark	34.000	23	21Eps CMa	1.5020	26000.	68	45879	No
18	GOM_TRA_1PNPDE20101209_010450_000000493097_00175_45879_5292.N1	09-DEC-2010 01:04:50	Straylight	49.000	101	11Alp Lep	2.5820	7000.0	98	45879	No
19	GOM_TRA_1PNPDE20101209_010806_000000553097_00175_45879_5293.N1	09-DEC-2010 01:08:06	Straylight	54.500	7	19Bet Ori	0.10000	14000.	109	45879	No
20	GOM_TRA_1PNPDE20101209_011037_000000563097_00175_45879_5294.N1	09-DEC-2010 01:10:37	Straylight	56.000	30	46Eps Ori	1.6940	30000.	112	45879	No
21	GOM_TRA_1PNPDE20101209_011306_000000553097_00175_45879_5295.N1	09-DEC-2010 01:13:06	Twilight_and_stray	54.500	27	24Gam Ori	1.6360	26000.	109	45879	No
22	GOM_TRA_1PNPDE20101209_011539_000000503097_00175_45879_5296.N1	09-DEC-2010 01:15:39	Bright	49.500	13	87Alp Tau	0.86700	3800.0	99	45879	No
23	GOM_TRA_1PNPDE20101209_011831_000000373097_00175_45879_5297.N1	09-DEC-2010 01:18:31	Bright	37.000	176	23Zet Tau	3.0200	22000.	74	45879	No
24	GOM_TRA_1PNPDE20101209_011949_000000373097_00175_45879_5298.N1	09-DEC-2010 01:19:49	Bright	37.000	150	44Zet Per	2.8900	28000.	74	45879	No
25	GOM_TRA_1PNPDE20101209_012210_000000383097_00175_45879_5299.N1	09-DEC-2010 01:22:10	Bright	37.500	149	45Eps Per	2.8880	30000.	75	45879	No
26	GOM_TRA_1PNPDE20101209_012417_000000353097_00175_45879_5300.N1	09-DEC-2010 01:24:17	Bright	35.000	175	39Del Per	3.0100	19400.	70	45879	No
27	GOM_TRA_1PNPDE20101209_012634_000000473097_00175_45879_5301.N1	09-DEC-2010 01:26:34	Bright	47.000	42	34Bet Aur	1.9000	10200.	94	45879	No
28	GOM_TRA_1PNPDE20101209_014146_000000473097_00175_45879_5302.N1	09-DEC-2010 01:41:46	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	45879	No
29	GOM_TRA_1PNPDE20101209_014318_000000503097_00175_45879_5303.N1	09-DEC-2010 01:43:18	Bright	50.000	82	48Bet UMa	2.3650	10600.	100	45879	No
30	GOM_TRA_1PNPDE20101209_014531_000000413097_00175_45879_5304.N1	09-DEC-2010 01:45:31	Bright	41.000	32	77Eps UMa	1.7630	11000.	82	45879	No
31	GOM_TRA_1PNPDE20101209_014750_000000383097_00175_45879_5305.N1	09-DEC-2010 01:47:50	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	45879	No
32	GOM_TRA_1PNPDE20101209_015121_000000443097_00175_45879_5306.N1	09-DEC-2010 01:51:21	Bright	43.500	152	12Alp2CVn	2.8900	11000.	87	45879	No
33	GOM_TRA_1PNPDE20101209_015709_000000393097_00175_45879_5307.N1	09-DEC-2010 01:57:09	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	45879	No
34	GOM_TRA_1PNPDE20101209_020036_000000443097_00175_45879_5308.N1	09-DEC-2010 02:00:36	Bright	44.000	138	47Eps Vir	2.8280	4700.0	88	45879	No
35	GOM_TRA_1PNPDE20101209_020524_000000553097_00175_45879_5327.N1	09-DEC-2010 02:05:24	Twilight_and_stray	55.000	121	29Gam Vir	2.7400	7200.0	110	45879	No
36	GOM_TRA_1PNPDE20101209_020955_000000463097_00175_45879_5328.N1	09-DEC-2010 02:09:55	Twilight_and_stray	46.000	169	46Gam Hya	2.9910	4700.0	92	45879	No
37	GOM_TRA_1PNPDE20101209_021130_000000553097_00175_45879_5329.N1	09-DEC-2010 02:11:30	Dark	54.500	100	4Gam Crv	2.5800	13100.	109	45879	No
38	GOM_TRA_1PNPDE20101209_021306_000000513097_00175_45879_5330.N1	09-DEC-2010 02:13:06	Dark	51.000	171	2Eps Crv	3.0010	4250.0	102	45879	No
39	GOM_TRA_1PNPDE20101209_021852_000000403097_00175_45879_5331.N1	09-DEC-2010 02:18:52	Dark	40.000	99	Del Cen	2.5750	26000.	80	45879	No
40	GOM_TRA_1PNPDE20101209_022220_000000463097_00176_45880_5332.N1	09-DEC-2010 02:22:20	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	45880	No
41	GOM_TRA_1PNPDE20101209_022632_000000443097_00176_45880_5333.N1	09-DEC-2010 02:26:32	Dark	44.000	91	Kap Vel	2.4900	26000.	88	45880	No
42	GOM_TRA_1PNPDE20101209_023057_000000473097_00176_45880_5334.N1	09-DEC-2010 02:30:57	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	45880	No
43	GOM_TRA_1PNPDE20101209_023338_000000523097_00176_45880_5335.N1	09-DEC-2010 02:33:38	Dark	51.500	2	Alp Car	-0.73600	7000.0	103	45880	No
44	GOM_TRA_1PNPDE20101209_023600_000000613097_00176_45880_5336.N1	09-DEC-2010 02:36:00	Dark	60.500	117	Pi Pup	2.7060	3800.0	121	45880	No
45	GOM_TRA_1PNPDE20101209_023929_000000383097_00176_45880_5337.N1	09-DEC-2010 02:39:29	Dark	38.000	23	21Eps CMa	1.5020	26000.	76	45880	No
46	GOM_TRA_1PNPDE20101209_024504_000000513097_00176_45880_5338.N1	09-DEC-2010 02:45:04	Straylight	50.500	101	11Alp Lep	2.5820	7000.0	101	45880	No
47	GOM_TRA_1PNPDE20101209_024820_000000613097_00176_45880_5339.N1	09-DEC-2010 02:48:20	Straylight	61.000	7	19Bet Ori	0.10000	14000.	122	45880	No
48	GOM_TRA_1PNPDE20101209_025051_000000553097_00176_45880_5340.N1	09-DEC-2010 02:50:51	Straylight	55.000	30	46Eps Ori	1.6940	30000.	110	45880	No
49	GOM_TRA_1PNPDE20101209_025320_000000533097_00176_45880_5341.N1	09-DEC-2010 02:53:20	Twilight_and_stray	52.500	27	24Gam Ori	1.6360	26000.	105	45880	No
50	GOM_TRA_1PNPDE20101209_025553_000000573097_00176_45880_5342.N1	09-DEC-2010 02:55:53	Bright	57.000	13	87Alp Tau	0.86700	3800.0	114	45880	No
51	GOM_TRA_1PNPDE20101209_025844_000000443097_00176_45880_5343.N1	09-DEC-2010 02:58:44	Bright	44.000	176	23Zet Tau	3.0200	22000.	88	45880	No
52	GOM_TRA_1PNPDE20101209_030003_000000393097_00176_45880_5344.N1	09-DEC-2010 03:00:03	Bright	38.500	150	44Zet Per	2.8900	28000.	77	45880	No
53	GOM_TRA_1PNPDE20101209_030224_000000363097_00176_45880_5345.N1	09-DEC-2010 03:02:24	Bright	35.500	149	45Eps Per	2.8880	30000.	71	45880	No
54	GOM_TRA_1PNPDE20101209_030431_000000363097_00176_45880_5346.N1	09-DEC-2010 03:04:31	Bright	35.500	175	39Del Per	3.0100	19400.	71	45880	No
55	GOM_TRA_1PNPDE20101209_030647_000000473097_00176_45880_5347.N1	09-DEC-2010 03:06:47	Bright	47.000	42	34Bet Aur	1.9000	10200.	94	45880	No
56	GOM_TRA_1PNPDE20101209_032200_000000473097_00176_45880_5373.N1	09-DEC-2010 03:22:00	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	45880	No
57	GOM_TRA_1PNPDE20101209_032331_000000473097_00176_45880_5374.N1	09-DEC-2010 03:23:31	Bright	47.000	82	48Bet UMa	2.3650	10600.	94	45880	No
58	GOM_TRA_1PNPDE20101209_032545_000000423097_00176_45880_5375.N1	09-DEC-2010 03:25:45	Bright	41.500	32	77Eps UMa	1.7630	11000.	83	45880	No
59	GOM_TRA_1PNPDE20101209_032804_000000363097_00176_45880_5376.N1	09-DEC-2010 03:28:04	Bright	36.000	39	85Eta UMa	1.8540	24000.	72	45880	No
60	GOM_TRA_1PNPDE20101209_033135_000000443097_00176_45880_5377.N1	09-DEC-2010 03:31:35	Bright	43.500	152	12Alp2CVn	2.8900	11000.	87	45880	No
61	GOM_TRA_1PNPDE20101209_033723_000000373097_00176_45880_5378.N1	09-DEC-2010 03:37:23	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	45880	No
62	GOM_TRA_1PNPDE20101209_034051_000000443097_00176_45880_5379.N1	09-DEC-2010 03:40:51	Bright	44.000	138	47Eps Vir	2.8280	4700.0	88	45880	No
63	GOM_TRA_1PNPDE20101209_034538_000000543097_00176_45880_5380.N1	09-DEC-2010 03:45:38	Twilight_and_stray	53.500	121	29Gam Vir	2.7400	7200.0	107	45880	No
64	GOM_TRA_1PNPDE20101209_035009_000000453097_00176_45880_5381.N1	09-DEC-2010 03:50:09	Twilight_and_stray	44.500	169	46Gam Hya	2.9910	4700.0	89	45880	No
65	GOM_TRA_1PNPDE20101209_035145_000000513097_00176_45880_5382.N1	09-DEC-2010 03:51:45	Dark	50.500	100	4Gam Crv	2.5800	13100.	101	45880	No
66	GOM_TRA_1PNPDE20101209_035321_000000513097_00176_45880_5383.N1	09-DEC-2010 03:53:21	Dark	50.500	171	2Eps Crv	3.0010	4250.0	101	45880	No
67	GOM_TRA_1PNPDE20101209_035907_000000433097_00176_45880_5384.N1	09-DEC-2010 03:59:07	Dark	43.000	99	Del Cen	2.5750	26000.	86	45880	No
68	GOM_TRA_1PNPDE20101209_040235_000000463097_00177_45881_5385.N1	09-DEC-2010 04:02:35	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	45881	No
69	GOM_TRA_1PNPDE20101209_040647_000000443097_00177_45881_5386.N1	09-DEC-2010 04:06:47	Dark	43.500	91	Kap Vel	2.4900	26000.	87	45881	No

70	GOM_TRA_1PNPDE20101209_041112_000000463097_00177_45881_5387.N1	09-DEC-2010 04:11:12	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	45881	No
71	GOM_TRA_1PNPDE20101209_041353_000000573097_00177_45881_5388.N1	09-DEC-2010 04:13:53	Dark	57.000	2	Alp Car	-0.73600	7000.0	114	45881	No
72	GOM_TRA_1PNPDE20101209_041615_000000553097_00177_45881_5389.N1	09-DEC-2010 04:16:15	Dark	55.000	117	Pi Pup	2.7060	3800.0	110	45881	No
73	GOM_TRA_1PNPDE20101209_041944_000000383097_00177_45881_5390.N1	09-DEC-2010 04:19:44	Dark	38.000	23	21Eps CMa	1.5020	26000.	76	45881	No
74	GOM_TRA_1PNPDE20101209_042519_000000493097_00177_45881_5391.N1	09-DEC-2010 04:25:19	Straylight	49.000	101	11Alp Lep	2.5820	7000.0	98	45881	No
75	GOM_TRA_1PNPDE20101209_042834_000000543097_00177_45881_5392.N1	09-DEC-2010 04:28:34	Straylight	54.000	7	19Bet Ori	0.10000	14000.	108	45881	No
76	GOM_TRA_1PNPDE20101209_043105_000000573097_00177_45881_5393.N1	09-DEC-2010 04:31:05	Straylight	56.500	30	46Eps Ori	1.6940	30000.	113	45881	No
77	GOM_TRA_1PNPDE20101209_043334_000000563097_00177_45881_5394.N1	09-DEC-2010 04:33:34	Twilight_stray	56.000	27	24Gam Ori	1.6360	26000.	112	45881	No
78	GOM_TRA_1PNPDE20101209_043607_000000573097_00177_45881_5395.N1	09-DEC-2010 04:36:07	Bright	57.000	13	87Alp Tau	0.86700	3800.0	114	45881	No
79	GOM_TRA_1PNPDE20101209_043858_000000443097_00177_45881_5396.N1	09-DEC-2010 04:38:58	Bright	44.000	176	23Zet Tau	3.0200	22000.	88	45881	No
80	GOM_TRA_1PNPDE20101209_044017_000000383097_00177_45881_5397.N1	09-DEC-2010 04:40:17	Bright	37.500	150	44Zet Per	2.8900	28000.	75	45881	No
81	GOM_TRA_1PNPDE20101209_044238_000000373097_00177_45881_5398.N1	09-DEC-2010 04:42:38	Bright	36.500	149	45Eps Per	2.8880	30000.	73	45881	No
82	GOM_TRA_1PNPDE20101209_044445_000000363097_00177_45881_5399.N1	09-DEC-2010 04:44:45	Bright	35.500	175	39Del Per	3.0100	19400.	71	45881	No
83	GOM_TRA_1PNPDE20101209_044700_000000453097_00177_45881_5400.N1	09-DEC-2010 04:47:00	Bright	45.000	42	34Bet Aur	1.9000	10200.	90	45881	No
84	GOM_TRA_1PNPDE20101209_050214_000000483097_00177_45881_5407.N1	09-DEC-2010 05:02:14	Bright	47.500	36	50Alp UMa	1.8000	6300.0	95	45881	No
85	GOM_TRA_1PNPDE20101209_050345_000000513097_00177_45881_5408.N1	09-DEC-2010 05:03:45	Bright	50.500	82	48Bet UMa	2.3650	10600.	101	45881	No
86	GOM_TRA_1PNPDE20101209_050559_000000423097_00177_45881_5409.N1	09-DEC-2010 05:05:59	Bright	42.000	32	77Eps UMa	1.7630	11000.	84	45881	No
87	GOM_TRA_1PNPDE20101209_050818_000000393097_00177_45881_5410.N1	09-DEC-2010 05:08:18	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	45881	No
88	GOM_TRA_1PNPDE20101209_051149_000000433097_00177_45881_5411.N1	09-DEC-2010 05:11:49	Bright	42.500	152	12Alp2CVn	2.8900	11000.	85	45881	No
89	GOM_TRA_1PNPDE20101209_051738_000000463097_00177_45881_5412.N1	09-DEC-2010 05:17:38	Bright	45.500	111	8Eta Boo	2.6800	6000.0	91	45881	No
90	GOM_TRA_1PNPDE20101209_052105_000000663097_00177_45881_5413.N1	09-DEC-2010 05:21:05	Bright	66.000	138	47Eps Vir	2.8280	4700.0	132	45881	No
91	GOM_TRA_1PNPDE20101209_052553_000000513097_00177_45881_5414.N1	09-DEC-2010 05:25:53	Twilight_stray	50.500	121	29Gam Vir	2.7400	7200.0	101	45881	No
92	GOM_TRA_1PNPDE20101209_053024_000000463097_00177_45881_5415.N1	09-DEC-2010 05:30:24	Twilight_stray	46.000	169	46Gam Hya	2.9910	4700.0	92	45881	No
93	GOM_TRA_1PNPDE20101209_053200_000000523097_00177_45881_5416.N1	09-DEC-2010 05:32:00	Dark	52.000	100	4Gam Crv	2.5800	13100.	104	45881	No
94	GOM_TRA_1PNPDE20101209_053336_000000573097_00177_45881_5417.N1	09-DEC-2010 05:33:36	Dark	56.500	171	2Eps Crv	3.0010	4250.0	113	45881	No
95	GOM_TRA_1PNPDE20101209_053921_000000423097_00177_45881_5418.N1	09-DEC-2010 05:39:21	Dark	41.500	99	Del Cen	2.5750	26000.	83	45881	No
96	GOM_TRA_1PNPDE20101209_054250_000000463097_00178_45882_5419.N1	09-DEC-2010 05:42:50	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	45882	No
97	GOM_TRA_1PNPDE20101209_054702_000000443097_00178_45882_5420.N1	09-DEC-2010 05:47:02	Dark	44.000	91	Kap Vel	2.4900	26000.	88	45882	No
98	GOM_TRA_1PNPDE20101209_055127_000000473097_00178_45882_5421.N1	09-DEC-2010 05:51:27	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	45882	No
99	GOM_TRA_1PNPDE20101209_055407_000000573097_00178_45882_5422.N1	09-DEC-2010 05:54:07	Dark	57.000	2	Alp Car	-0.73600	7000.0	114	45882	No
100	GOM_TRA_1PNPDE20101209_055630_000000553097_00178_45882_5423.N1	09-DEC-2010 05:56:30	Dark	54.500	117	Pi Pup	2.7060	3800.0	109	45882	No
101	GOM_TRA_1PNPDE20101209_055959_000000423097_00178_45882_5424.N1	09-DEC-2010 05:59:59	Dark	42.000	23	21Eps CMa	1.5020	26000.	84	45882	No
102	GOM_TRA_1PNPDE20101209_060533_000000493097_00178_45882_5425.N1	09-DEC-2010 06:05:33	Straylight	48.500	101	11Alp Lep	2.5820	7000.0	97	45882	No
103	GOM_TRA_1PNPDE20101209_060848_000000583097_00178_45882_5426.N1	09-DEC-2010 06:08:48	Straylight	58.000	7	19Bet Ori	0.10000	14000.	116	45882	No
104	GOM_TRA_1PNPDE20101209_061118_000000573097_00178_45882_5427.N1	09-DEC-2010 06:11:18	Straylight	56.500	30	46Eps Ori	1.6940	30000.	113	45882	No
105	GOM_TRA_1PNPDE20101209_061348_000000553097_00178_45882_5428.N1	09-DEC-2010 06:13:48	Twilight_stray	54.500	27	24Gam Ori	1.6360	26000.	109	45882	No
106	GOM_TRA_1PNPDE20101209_061621_000000573097_00178_45882_5429.N1	09-DEC-2010 06:16:21	Bright	57.000	13	87Alp Tau	0.86700	3800.0	114	45882	No
107	GOM_TRA_1PNPDE20101209_062031_000000363097_00178_45882_5430.N1	09-DEC-2010 06:20:31	Bright	36.000	150	44Zet Per	2.8900	28000.	72	45882	No
108	GOM_TRA_1PNPDE20101209_062252_000000363097_00178_45882_5431.N1	09-DEC-2010 06:22:52	Bright	35.500	149	45Eps Per	2.8880	30000.	71	45882	No
109	GOM_TRA_1PNPDE20101209_062459_000000363097_00178_45882_5432.N1	09-DEC-2010 06:24:59	Bright	36.000	175	39Del Per	3.0100	19400.	72	45882	No
110	GOM_TRA_1PNPDE20101209_062714_000000483097_00178_45882_5433.N1	09-DEC-2010 06:27:14	Bright	47.500	42	34Bet Aur	1.9000	10200.	95	45882	No
111	GOM_TRA_1PNPDE20101209_205842_000000583097_00187_45891_5527.N1	09-DEC-2010 20:58:42	Dark	57.500	117	Pi Pup	2.7060	3800.0	115	45891	No
112	GOM_TRA_1PNPDE20101209_210210_000000573097_00187_45891_5528.N1	09-DEC-2010 21:02:10	Dark	57.000	23	21Eps CMa	1.5020	26000.	114	45891	No
113	GOM_TRA_1PNPDE20101209_210740_000000493097_00187_45891_5529.N1	09-DEC-2010 21:07:40	Straylight	48.500	101	11Alp Lep	2.5820	7000.0	97	45891	No
114	GOM_TRA_1PNPDE20101209_211054_000000603097_00187_45891_5530.N1	09-DEC-2010 21:10:54	Straylight	60.000	7	19Bet Ori	0.10000	14000.	120	45891	No
115	GOM_TRA_1PNPDE20101209_211323_000000523097_00187_45891_5531.N1	09-DEC-2010 21:13:23	Straylight	52.000	30	46Eps Ori	1.6940	30000.	104	45891	No
116	GOM_TRA_1PNPDE20101209_211551_000000533097_00187_45891_5532.N1	09-DEC-2010 21:15:51	Twilight_stray	53.000	27	24Gam Ori	1.6360	26000.	106	45891	No
117	GOM_TRA_1PNPDE20101209_211825_000000573097_00187_45891_5533.N1	09-DEC-2010 21:18:25	Twilight_stray	57.000	13	87Alp Tau	0.86700	3800.0	114	45891	No
118	GOM_TRA_1PNPDE20101209_212237_000000373097_00187_45891_5534.N1	09-DEC-2010 21:22:37	Bright	36.500	150	44Zet Per	2.8900	28000.	73	45891	No
119	GOM_TRA_1PNPDE20101209_212457_000000373097_00187_45891_5535.N1	09-DEC-2010 21:24:57	Bright	36.500	149	45Eps Per	2.8880	30000.	73	45891	No
120	GOM_TRA_1PNPDE20101209_212800_000000483097_00187_45891_5536.N1	09-DEC-2010 21:28:00	Bright	47.500	6	13Alp Aur	0.080000	3400.0	95	45891	No
121	GOM_TRA_1PNPDE20101209_214430_000000483097_00187_45891_5537.N1	09-DEC-2010 21:44:30	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	45891	No
122	GOM_TRA_1PNPDE20101209_214600_000000423097_00187_45891_5538.N1	09-DEC-2010 21:46:00	Bright	42.000	82	48Bet UMa	2.3650	10600.	84	45891	No
123	GOM_TRA_1PNPDE20101209_214817_000000423097_00187_45891_5539.N1	09-DEC-2010 21:48:17	Bright	42.000	32	77Eps UMa	1.7630	11000.	84	45891	No
124	GOM_TRA_1PNPDE20101209_215038_000000363097_00187_45891_5540.N1	09-DEC-2010 21:50:38	Bright	35.500	39	85Eta UMa	1.8540	24000.	71	45891	No
125	GOM_TRA_1PNPDE20101209_215410_000000533097_00187_45891_5541.N1	09-DEC-2010 21:54:10	Bright	53.000	152	12Alp2CVn	2.8900	11000.	106	45891	No
126	GOM_TRA_1PNPDE20101209_220001_000000393097_00187_45891_5542.N1	09-DEC-2010 22:00:01	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	45891	No
127	GOM_TRA_1PNPDE20101209_220331_000000473097_00187_45891_5543.N1	09-DEC-2010 22:03:31	Bright	47.000	138	47Eps Vir	2.8280	4700.0	94	45891	No
128	GOM_TRA_1PNPDE20101209_220822_000000553097_00187_45891_5544.N1	09-DEC-2010 22:08:22	Twilight_stray	55.000	121	29Gam Vir	2.7400	7200.0	110	45891	No

129	GOM_TRA_1PNPDE20101209_221250_000000453097_00187_45891_5547.N1	09-DEC-2010 22:12:50	Twilight	44.500	169	46Gam Hya	2.9910	4700.0	89	45891	No
130	GOM_TRA_1PNPDE20101209_221431_000000533097_00187_45891_5548.N1	09-DEC-2010 22:14:31	Dark	52.500	100	4Gam Crv	2.5800	13100.	105	45891	No
131	GOM_TRA_1PNPDE20101209_221607_000000563097_00187_45891_5549.N1	09-DEC-2010 22:16:07	Dark	55.500	171	2Eps Crv	3.0010	4250.0	111	45891	No
132	GOM_TRA_1PNPDE20101209_222148_000000413097_00187_45891_5550.N1	09-DEC-2010 22:21:48	Dark	40.500	99	Del Cen	2.5750	26000.	81	45891	No
133	GOM_TRA_1PNPDE20101209_222518_000000533097_00188_45892_5551.N1	09-DEC-2010 22:25:18	Dark	52.500	113	Mu Vel	2.6920	5000.0	105	45892	No
134	GOM_TRA_1PNPDE20101209_222927_000000433097_00188_45892_5552.N1	09-DEC-2010 22:29:27	Dark	43.000	71	lot Car	2.2460	7700.0	86	45892	No
135	GOM_TRA_1PNPDE20101209_223355_000000483097_00188_45892_5553.N1	09-DEC-2010 22:33:55	Dark	48.000	34	Gam2Vel	1.7930	23000.	96	45892	No
136	GOM_TRA_1PNPDE20101209_223632_000000463097_00188_45892_5554.N1	09-DEC-2010 22:36:32	Dark	46.000	2	Alp Car	-0.73600	7000.0	92	45892	No
137	GOM_TRA_1PNPDE20101209_223857_000000593097_00188_45892_5555.N1	09-DEC-2010 22:38:57	Dark	58.500	117	Pi Pup	2.7060	3800.0	117	45892	No
138	GOM_TRA_1PNPDE20101209_224224_000000593097_00188_45892_5556.N1	09-DEC-2010 22:42:24	Dark	58.500	23	21Eps CMa	1.5020	26000.	117	45892	No
139	GOM_TRA_1PNPDE20101209_224754_000000493097_00188_45892_5557.N1	09-DEC-2010 22:47:54	Straylight	48.500	101	11Alp Lep	2.5820	7000.0	97	45892	No
140	GOM_TRA_1PNPDE20101209_225108_000000533097_00188_45892_5558.N1	09-DEC-2010 22:51:08	Straylight	52.500	7	19Bet Ori	0.10000	14000.	105	45892	No
141	GOM_TRA_1PNPDE20101209_225337_000000523097_00188_45892_5559.N1	09-DEC-2010 22:53:37	Straylight	52.000	30	46Eps Ori	1.6940	30000.	104	45892	No
142	GOM_TRA_1PNPDE20101209_225605_000000543097_00188_45892_5560.N1	09-DEC-2010 22:56:05	Tw_i_and_stray	54.000	27	24Gam Ori	1.6360	26000.	108	45892	No
143	GOM_TRA_1PNPDE20101209_225839_000000483097_00188_45892_5561.N1	09-DEC-2010 22:58:39	Tw_i_and_stray	48.000	13	87Alp Tau	0.86700	3800.0	96	45892	No
144	GOM_TRA_1PNPDE20101209_230251_000000363097_00188_45892_5562.N1	09-DEC-2010 23:02:51	Bright	36.000	150	44Zet Per	2.8900	28000.	72	45892	No
145	GOM_TRA_1PNPDE20101209_230511_000000363097_00188_45892_5563.N1	09-DEC-2010 23:05:11	Bright	36.000	149	45Eps Per	2.8880	30000.	72	45892	No
146	GOM_TRA_1PNPDE20101209_230813_000000463097_00188_45892_5564.N1	09-DEC-2010 23:08:13	Bright	45.500	6	13Alp Aur	0.080000	3400.0	91	45892	No
147	GOM_TRA_1PNPDE20101209_232443_000000423097_00188_45892_5565.N1	09-DEC-2010 23:24:43	Bright	42.000	36	50Alp UMa	1.8000	6300.0	84	45892	No
148	GOM_TRA_1PNPDE20101209_232613_000000383097_00188_45892_5566.N1	09-DEC-2010 23:26:13	Bright	38.000	82	48Bet UMa	2.3650	10600.	76	45892	No
149	GOM_TRA_1PNPDE20101209_232831_000000413097_00188_45892_5567.N1	09-DEC-2010 23:28:31	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	45892	No
150	GOM_TRA_1PNPDE20101209_233052_000000383097_00188_45892_5568.N1	09-DEC-2010 23:30:52	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	45892	No
151	GOM_TRA_1PNPDE20101209_233424_000000423097_00188_45892_5569.N1	09-DEC-2010 23:34:24	Bright	41.500	152	12Alp2CVn	2.8900	11000.	83	45892	No
152	GOM_TRA_1PNPDE20101209_234015_000000383097_00188_45892_5570.N1	09-DEC-2010 23:40:15	Bright	38.000	111	8Eta Boo	2.6800	6000.0	76	45892	No
153	GOM_TRA_1PNPDE20101209_234345_000000483097_00188_45892_5571.N1	09-DEC-2010 23:43:45	Bright	48.000	138	47Eps Vir	2.8280	4700.0	96	45892	No
154	GOM_TRA_1PNPDE20101209_234938_000000583097_00188_45892_5572.N1	09-DEC-2010 23:49:38	Bright	58.000	15	67Alp Vir	0.97600	28000.	116	45892	No
155	GOM_TRA_1PNPDE20101209_235305_000000443097_00188_45892_5571.N1	09-DEC-2010 23:53:05	Twilight	44.000	169	46Gam Hya	2.9910	4700.0	88	45892	No
156	GOM_TRA_1PNPDE20101209_235446_000000543097_00188_45892_5572.N1	09-DEC-2010 23:54:46	Dark	53.500	100	4Gam Crv	2.5800	13100.	107	45892	No
157	GOM_TRA_1PNPDE20101209_235622_000000543097_00188_45892_5573.N1	09-DEC-2010 23:56:22	Dark	54.000	171	2Eps Crv	3.0010	4250.0	108	45892	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).

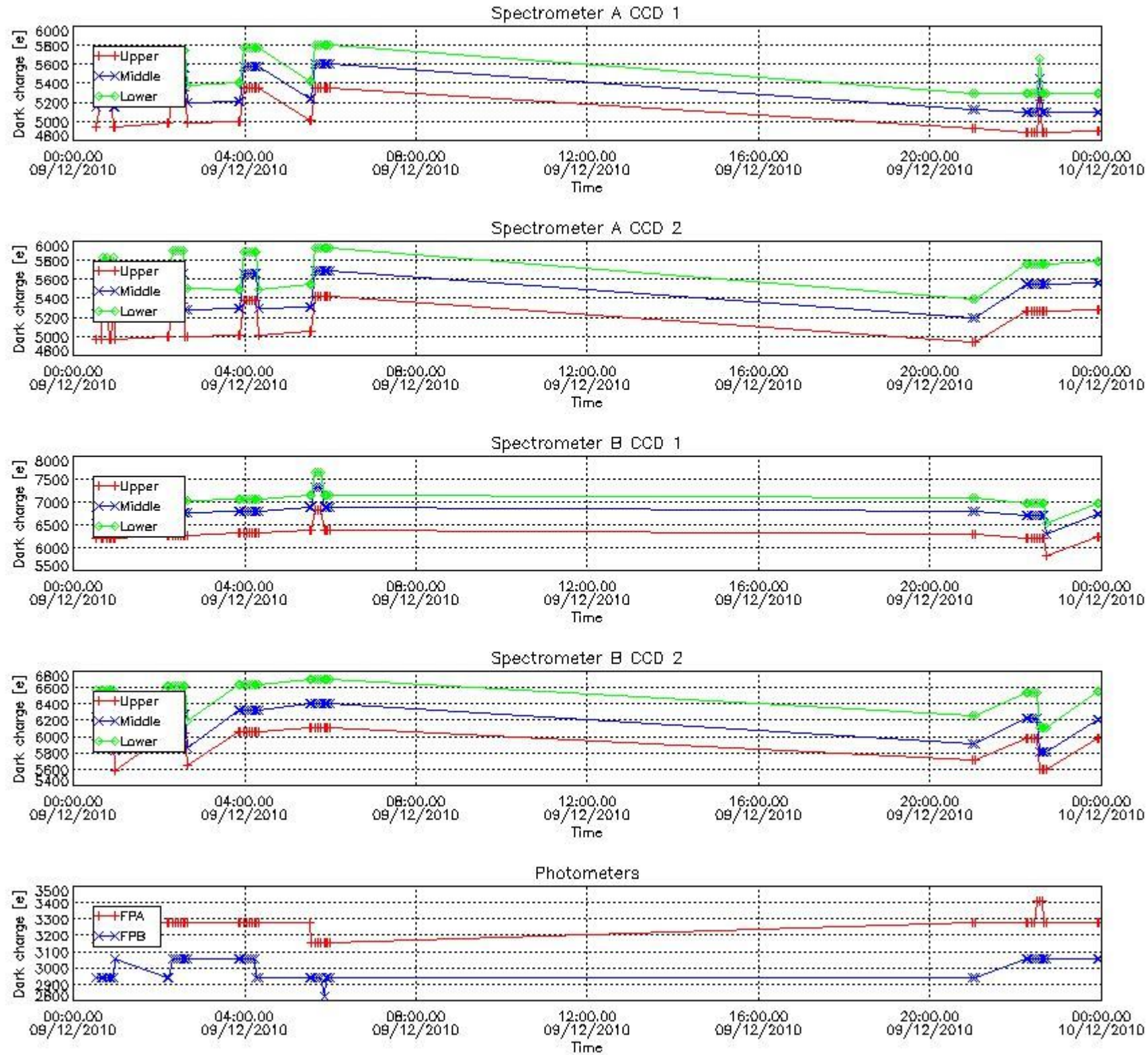
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20101209_205842_000000583097_00187_45891_5527.N1	DC map used
GOM_TRA_1PNPDE20101209_210210_000000573097_00187_45891_5528.N1	DC map used
GOM_TRA_1PNPDE20101209_210740_000000493097_00187_45891_5529.N1	DC map used
GOM_TRA_1PNPDE20101209_211054_000000603097_00187_45891_5530.N1	DC map used
GOM_TRA_1PNPDE20101209_211323_000000523097_00187_45891_5531.N1	DC map used
GOM_TRA_1PNPDE20101209_211551_000000533097_00187_45891_5532.N1	DC map used
GOM_TRA_1PNPDE20101209_211825_000000573097_00187_45891_5533.N1	DC map used
GOM_TRA_1PNPDE20101209_212237_000000373097_00187_45891_5534.N1	DC map used
GOM_TRA_1PNPDE20101209_212457_000000373097_00187_45891_5535.N1	DC map used
GOM_TRA_1PNPDE20101209_212800_000000483097_00187_45891_5536.N1	DC map used
GOM_TRA_1PNPDE20101209_214430_000000483097_00187_45891_5537.N1	DC map used
GOM_TRA_1PNPDE20101209_214600_000000423097_00187_45891_5538.N1	DC map used
GOM_TRA_1PNPDE20101209_214817_000000423097_00187_45891_5539.N1	DC map used
GOM_TRA_1PNPDE20101209_215038_000000363097_00187_45891_5540.N1	DC map used

GOM_TRA_1PNPDE20101209_215410_000000533097_00187_45891_5541.N1	DC map used
GOM_TRA_1PNPDE20101209_220001_000000393097_00187_45891_5542.N1	DC map used
GOM_TRA_1PNPDE20101209_220331_000000473097_00187_45891_5543.N1	DC map used
GOM_TRA_1PNPDE20101209_220822_000000553097_00187_45891_5544.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

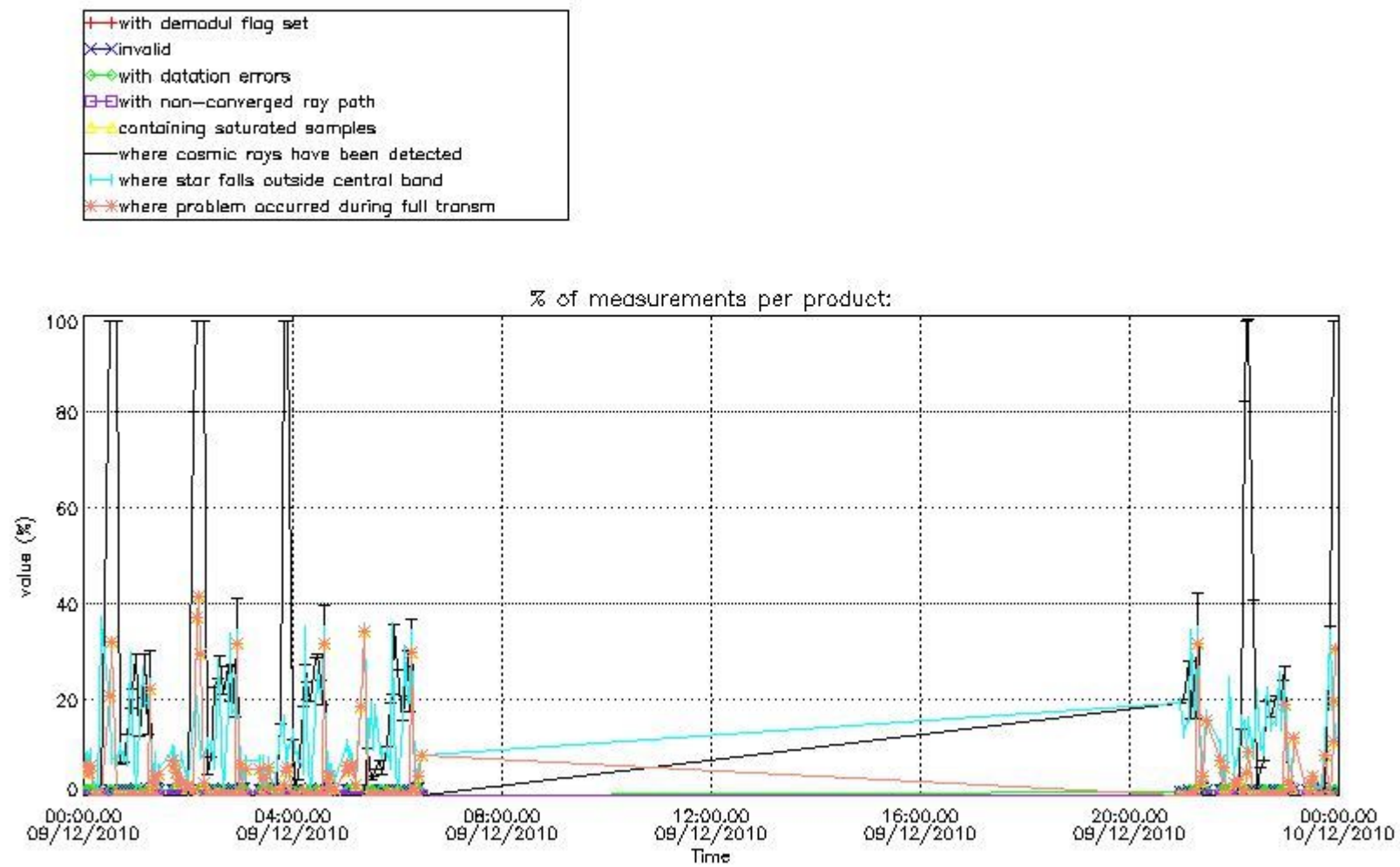
In this section it is presented the modulation information extracted from the pcd (product confidence data)

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.

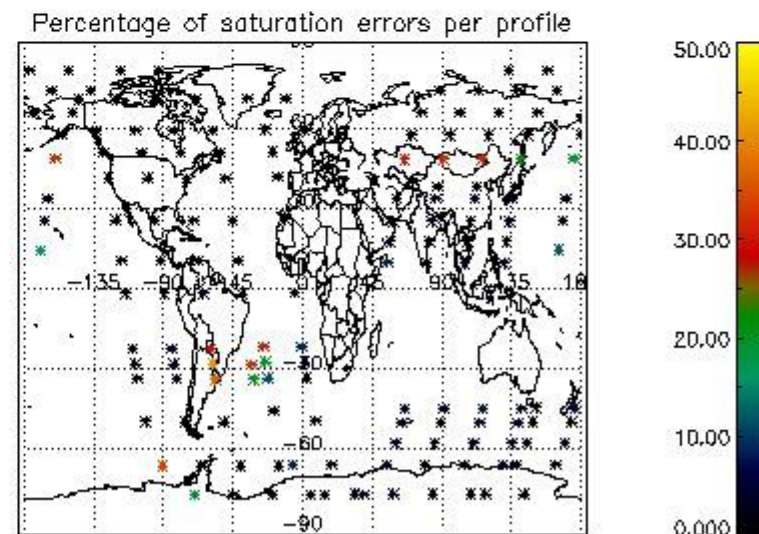
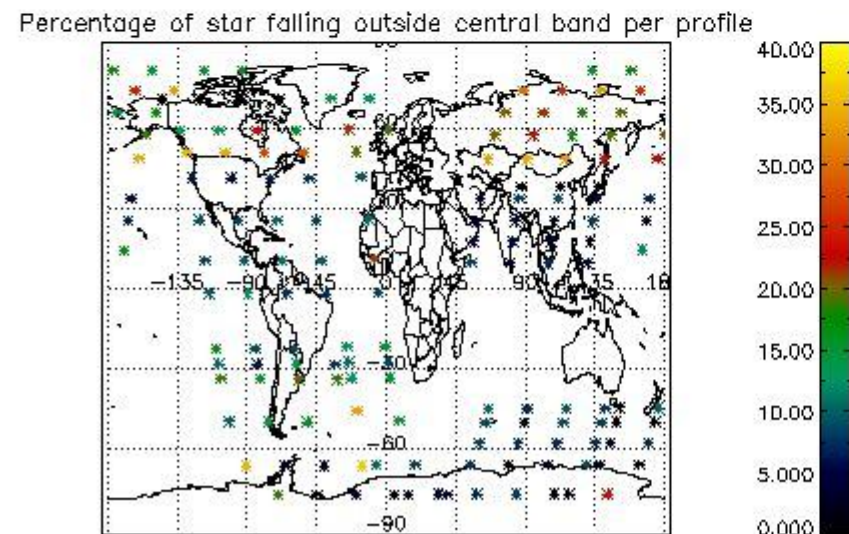
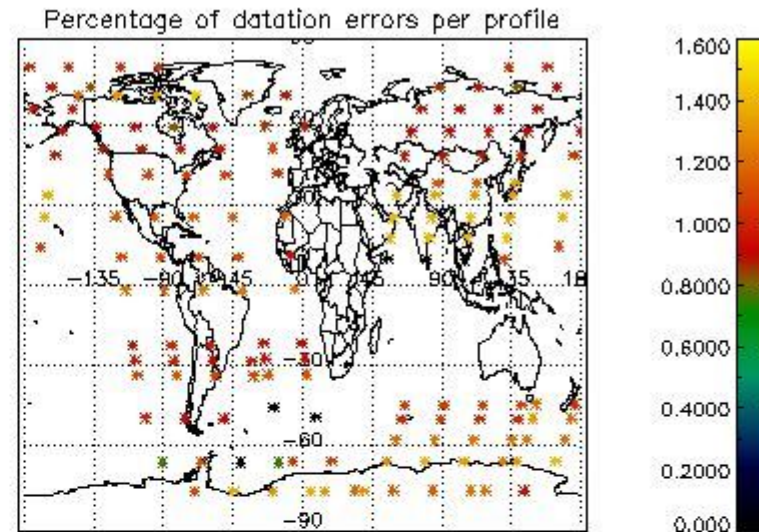
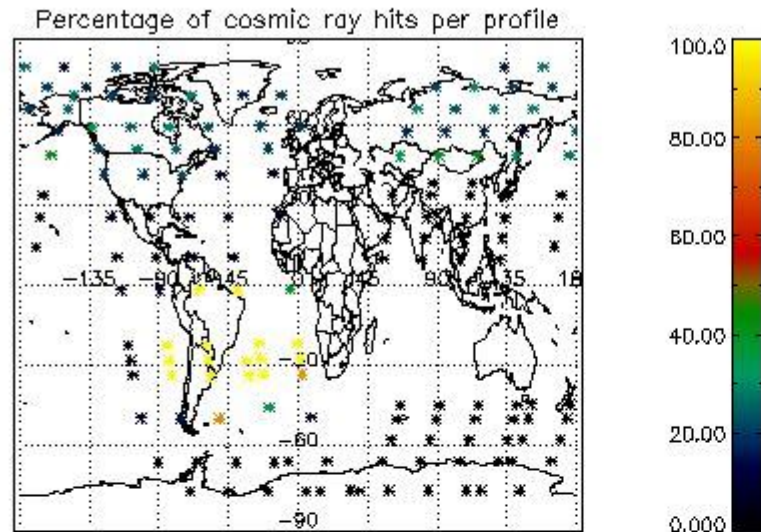
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	53.2051 %
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)



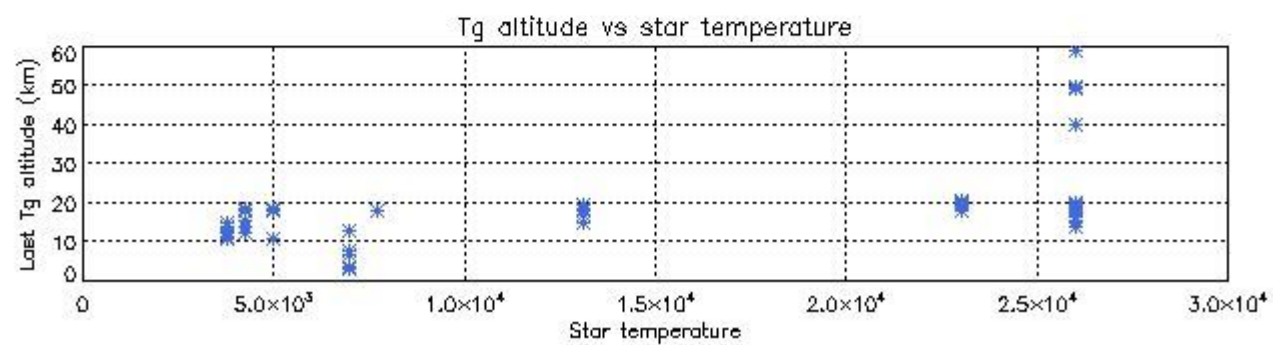
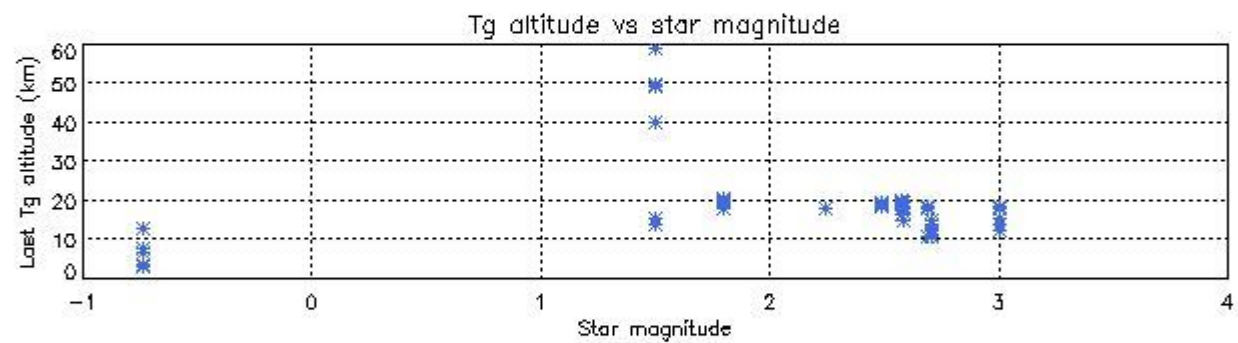
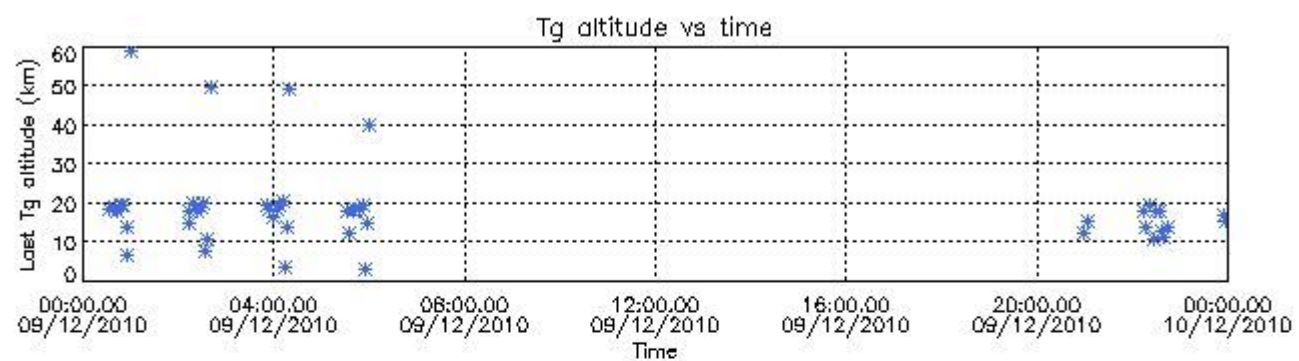
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	18.539	20.656	14.705
St. deviation:	10.486	7.2354	0.50549
Maximum:	58.987	44.985	15.062
Minimum:	3.1803	3.8176	14.347
Number of data:	48.000	72.000	2.0000

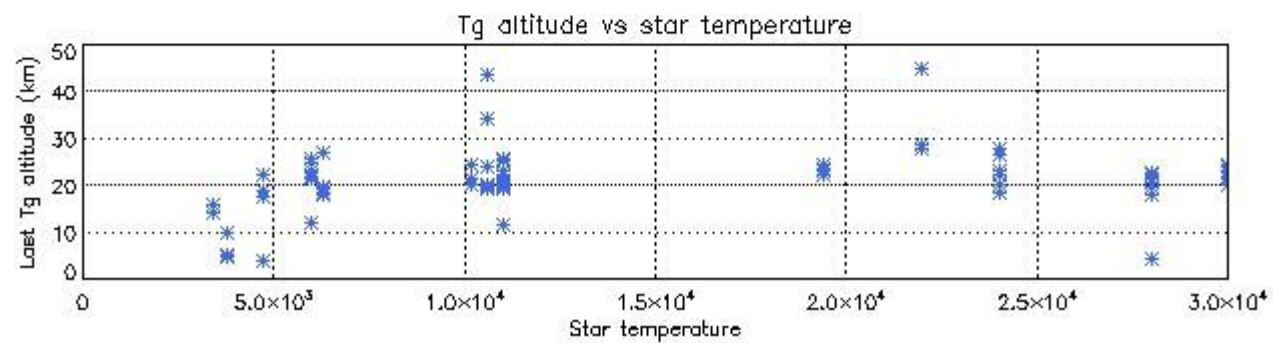
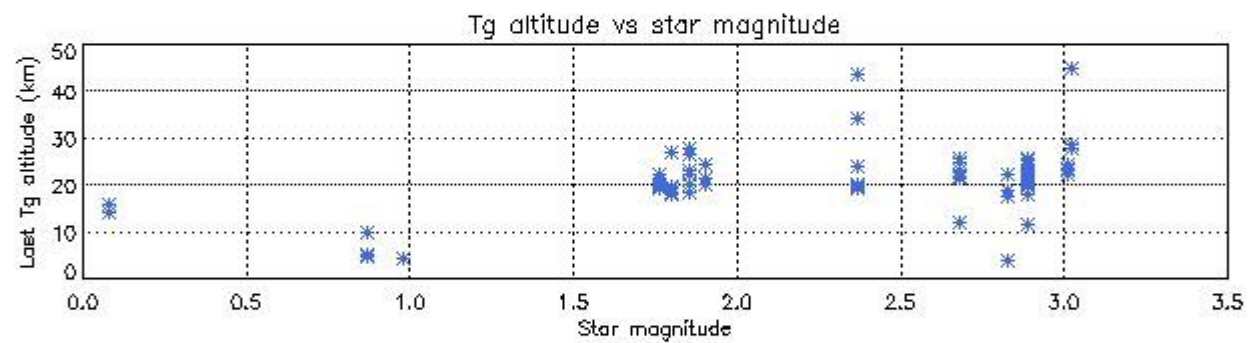
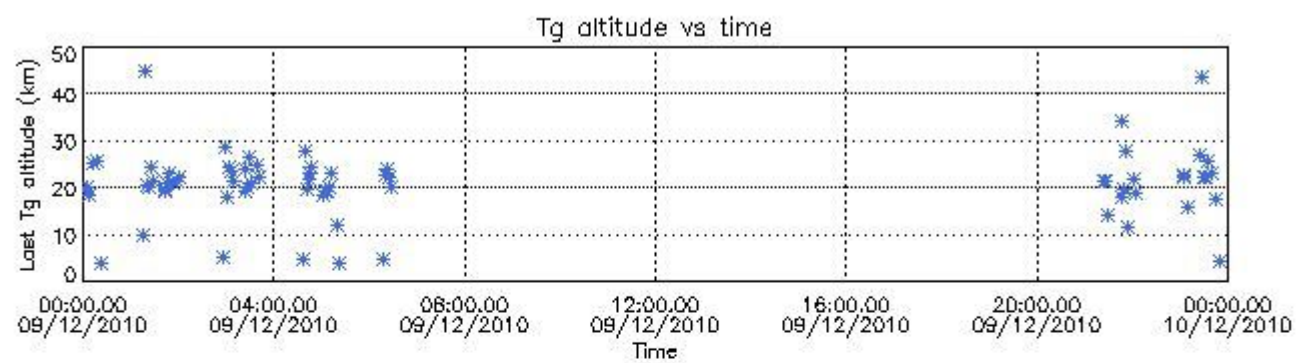
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



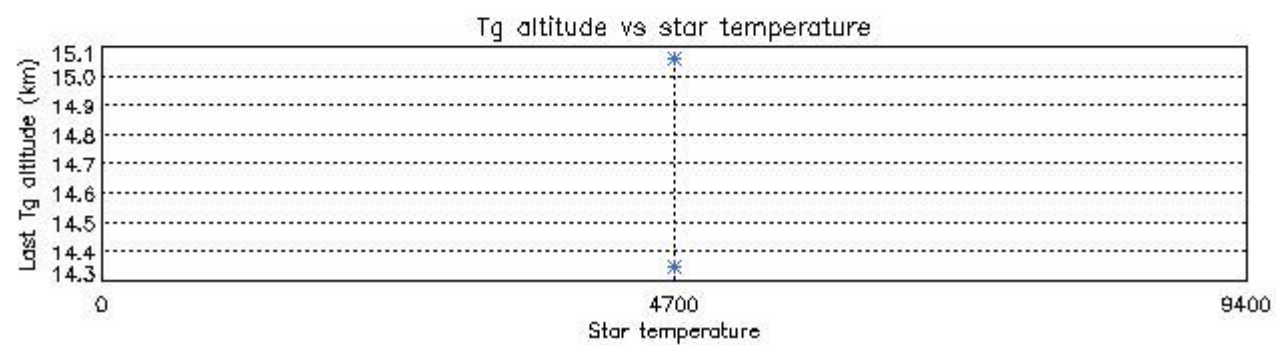
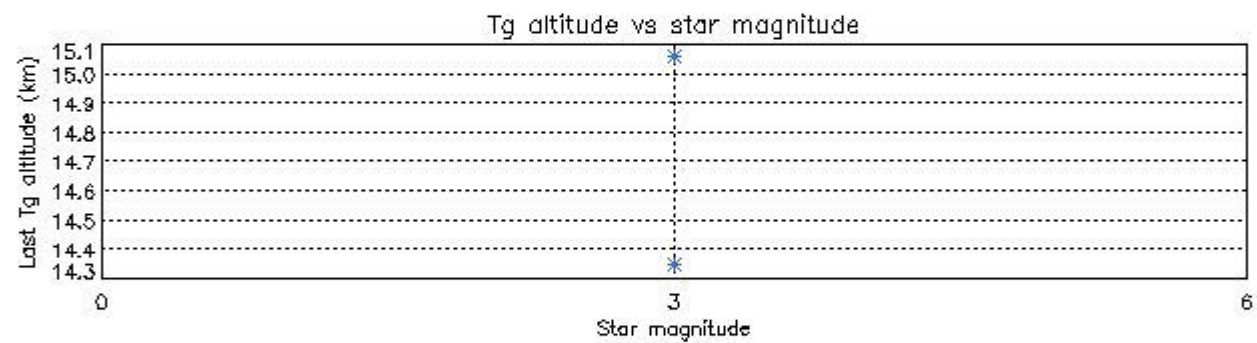
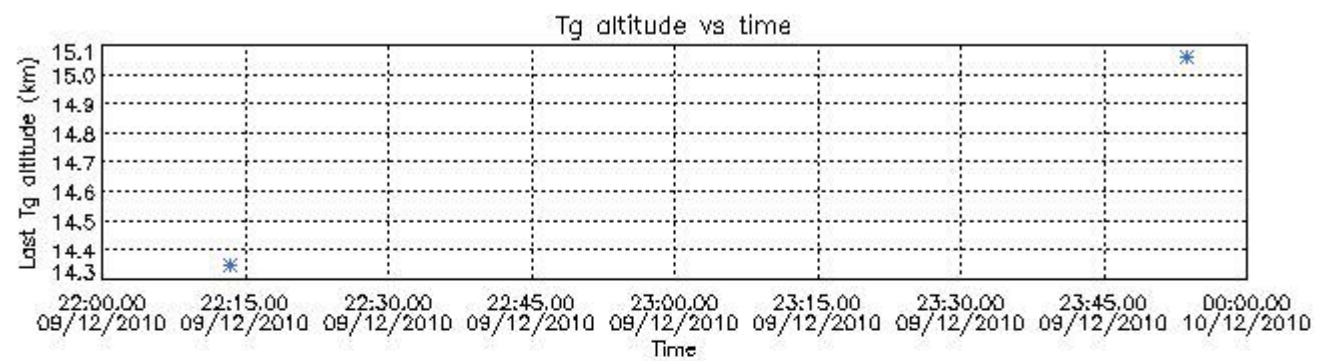
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

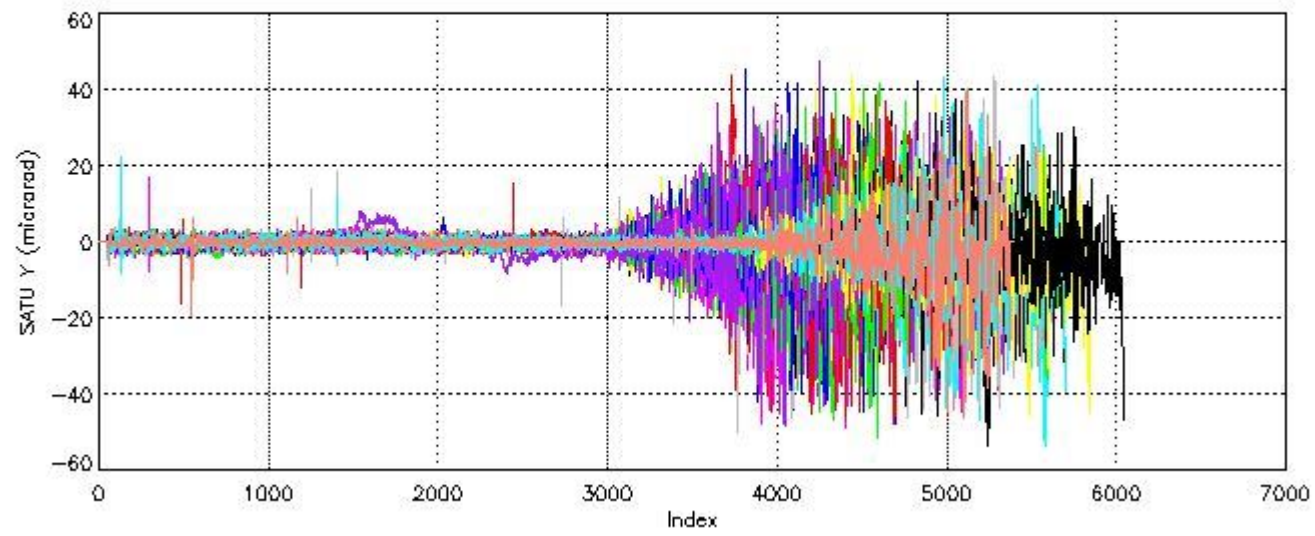
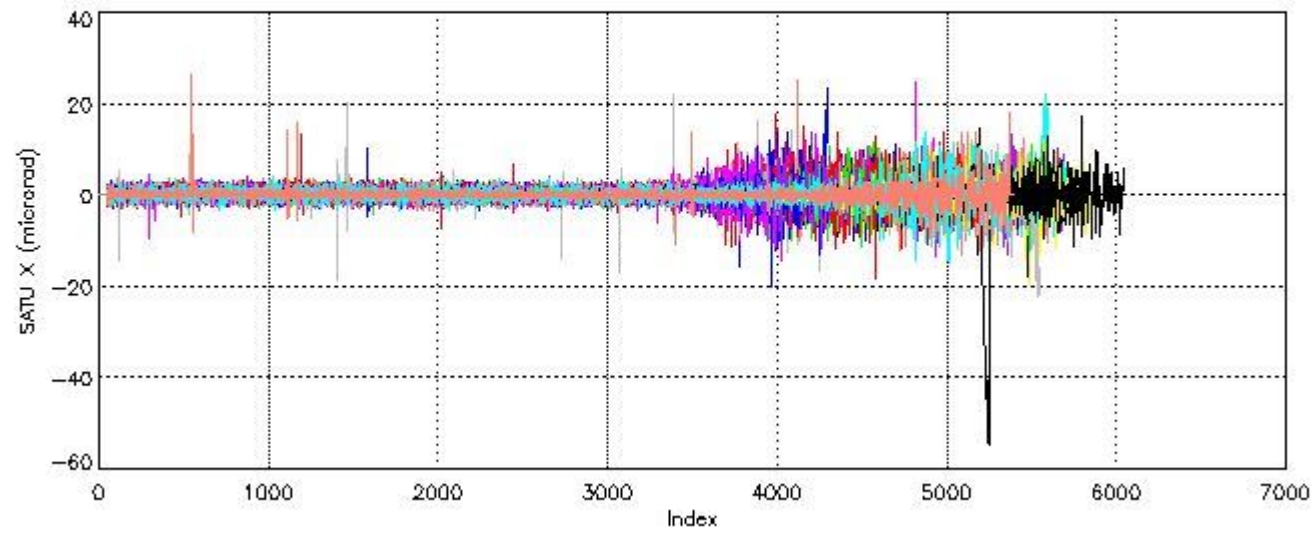


7. Star Acquisition and Tracking Unit (SATU)

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:	0.23149	-0.33214	0.15177	-0.23702
St. deviation:	0.61187	0.79199	0.95919	1.1185
Maximum:	26.400	22.100	7.1000	8.3000
Minimum:	-14.400	-19.500	-8.4000	-7.7000

Number of data:	55100.	55100.	71300.	71300.
-----------------	--------	--------	--------	--------

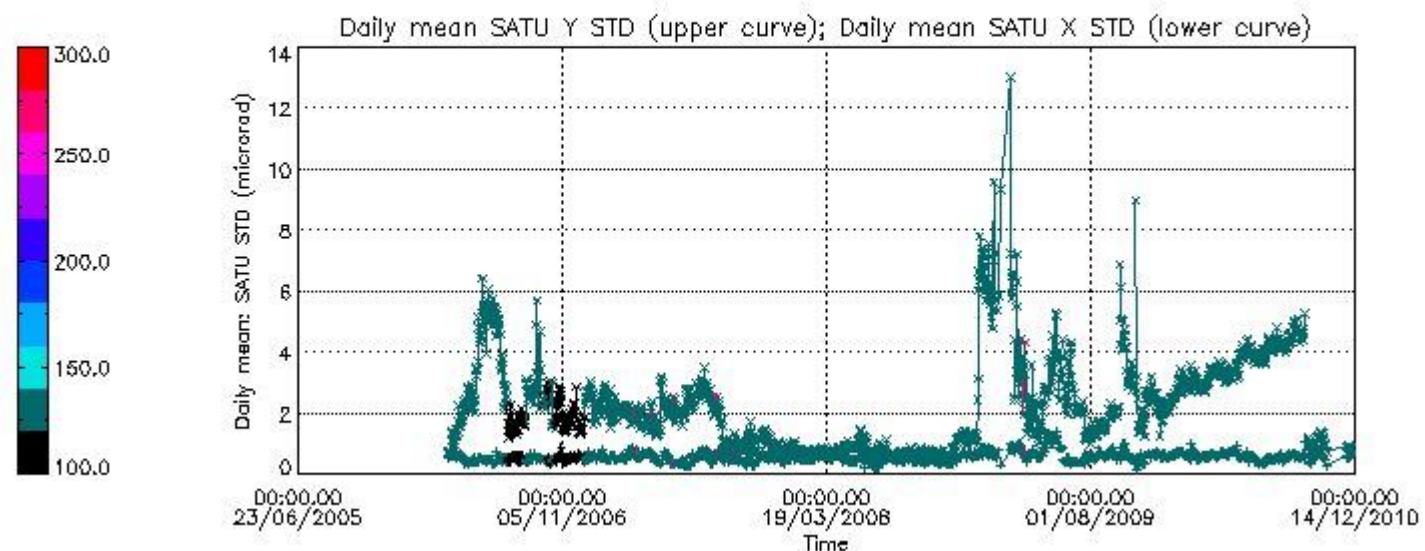
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

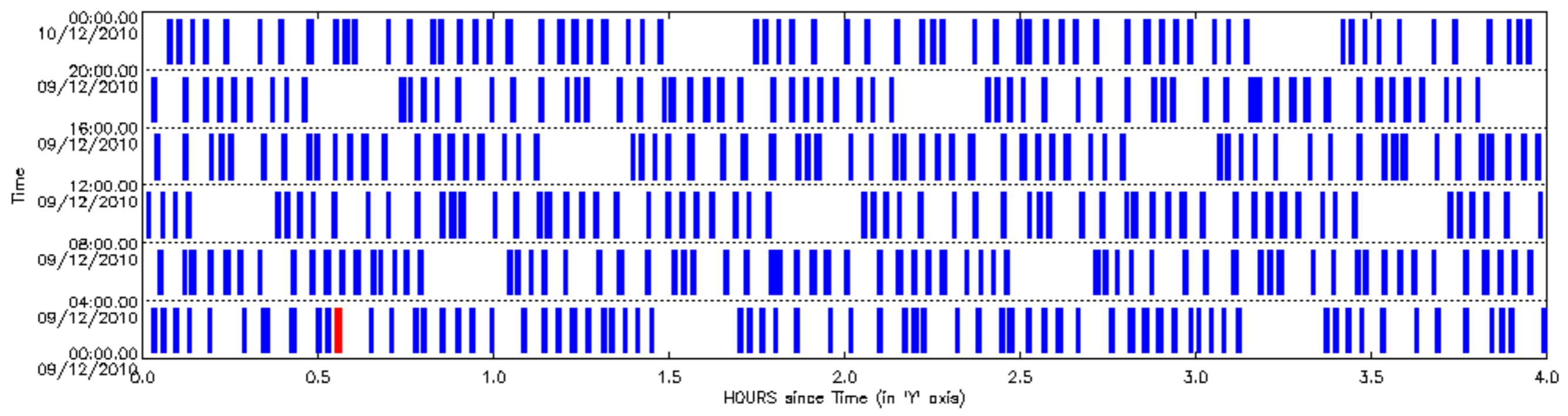
Lower curve: STD of SATU X axis

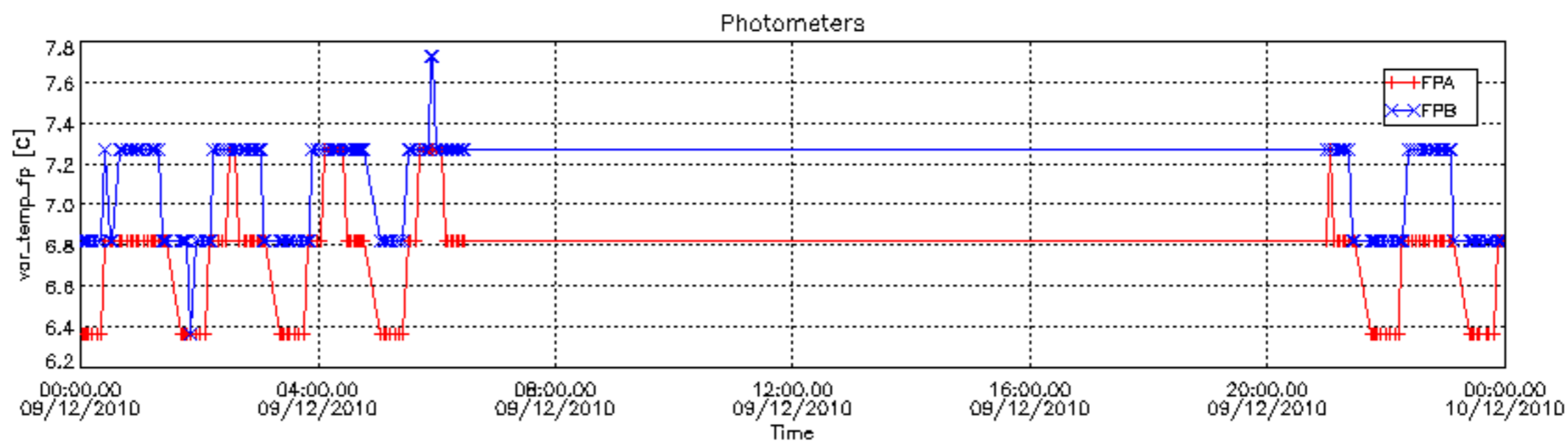
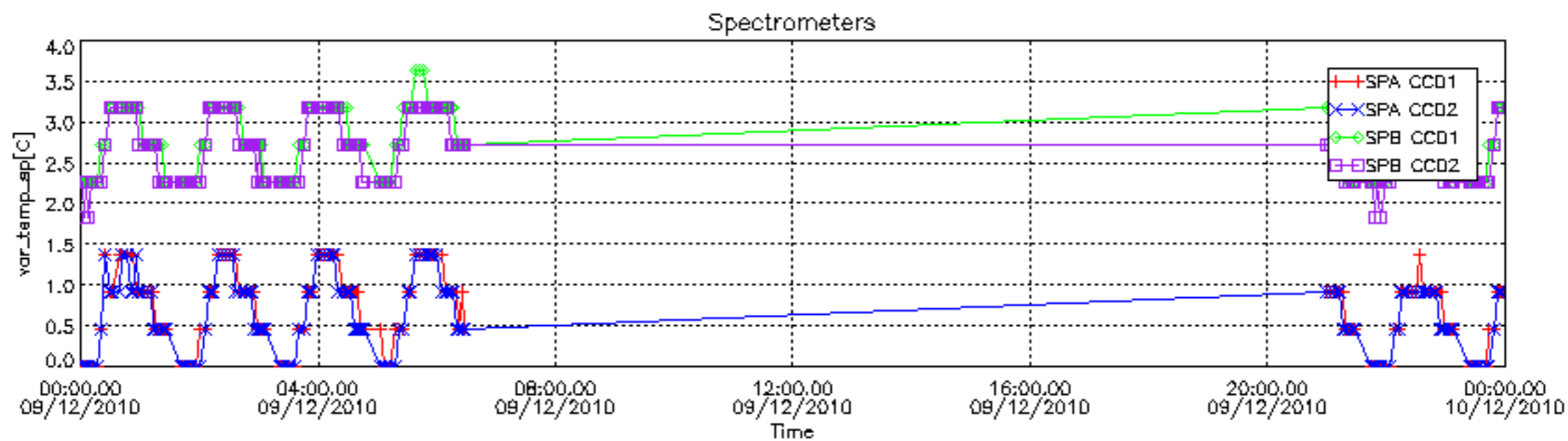


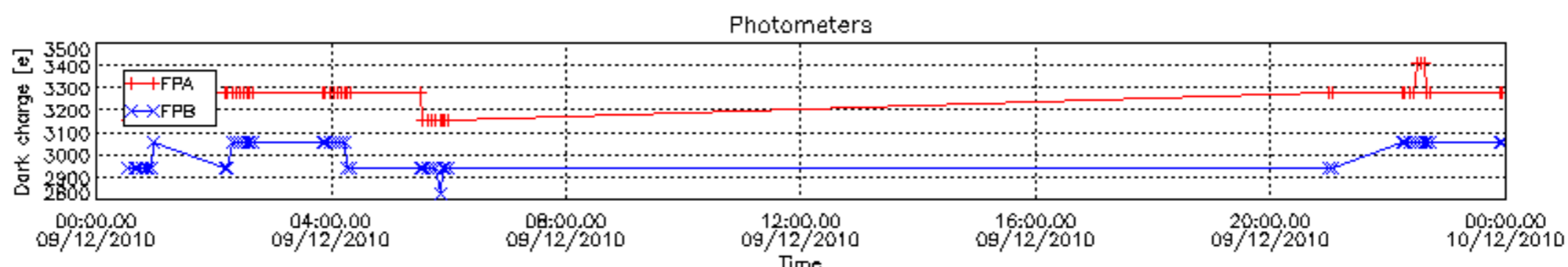
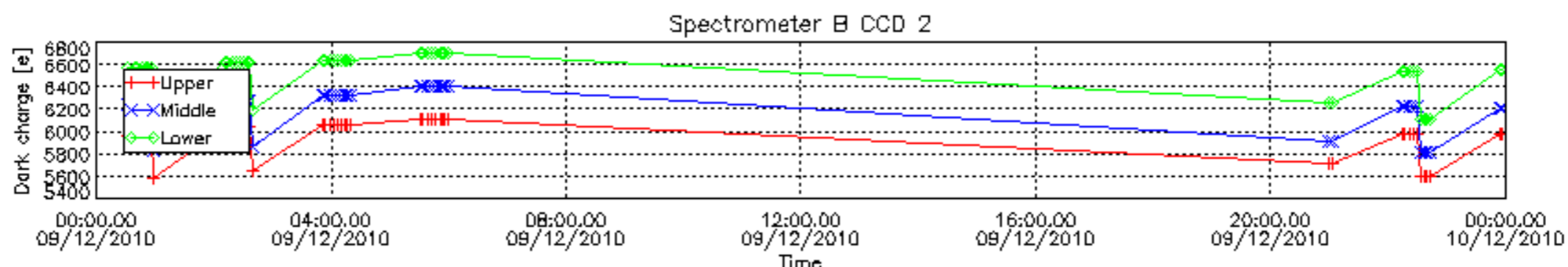
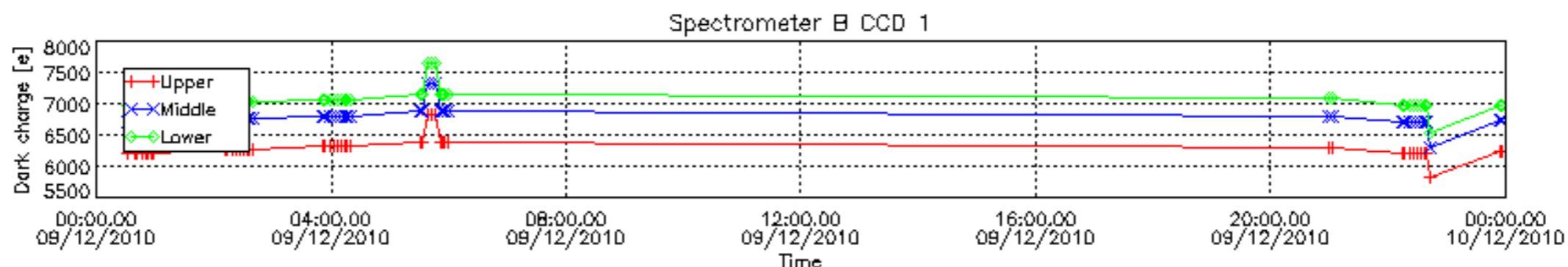
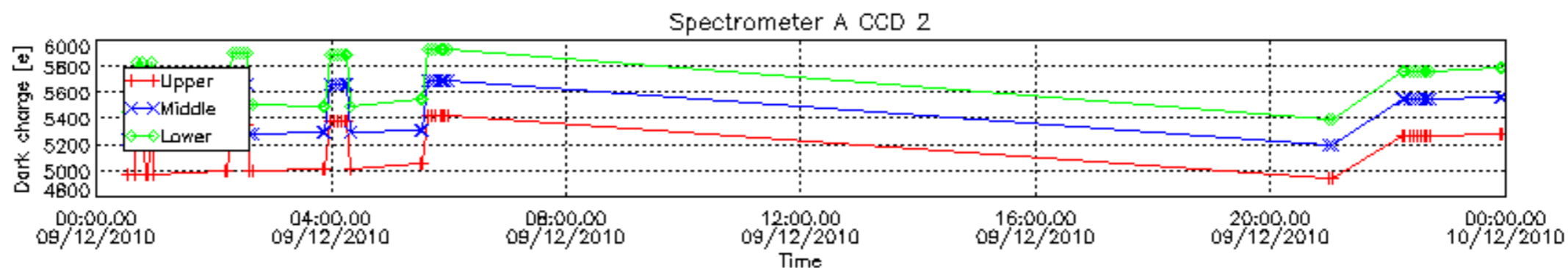
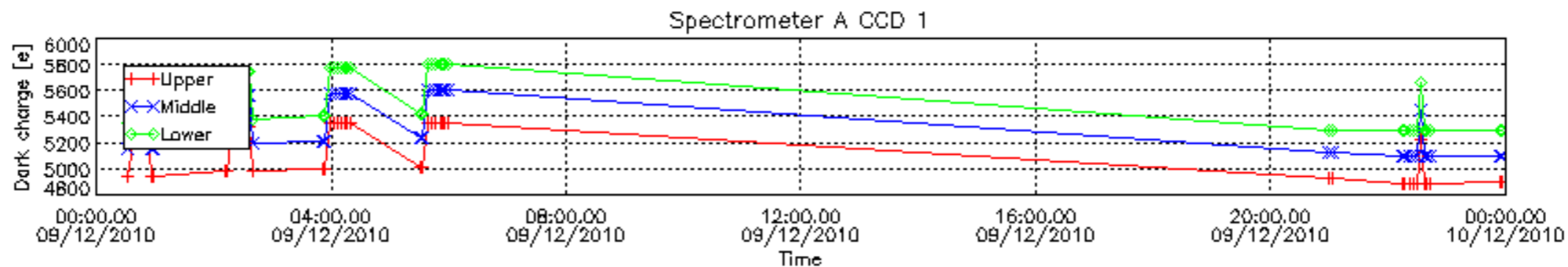
8. Auxiliary Data Files used for the production reported in section 2.4

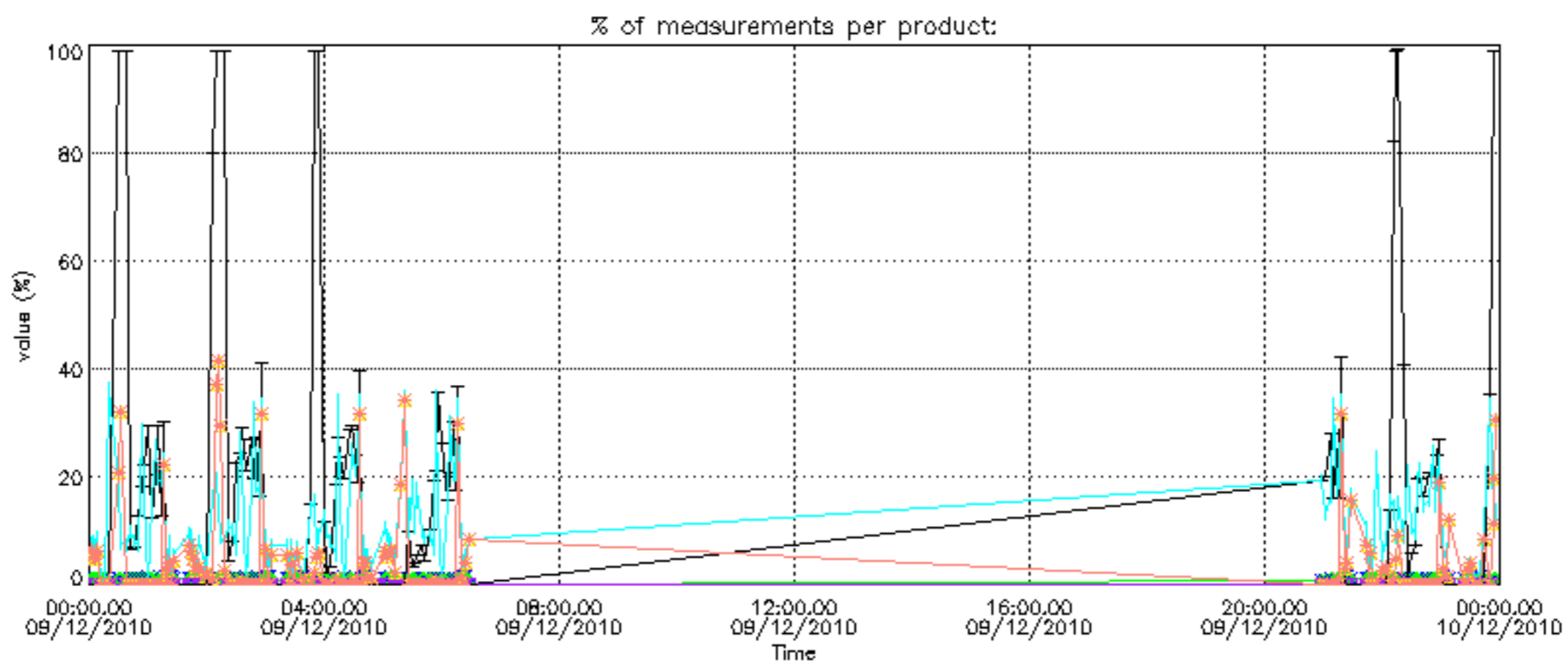
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
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CALIBRATION_DATABASE	GOM_CAL_AXVIEC20101201_093519_20101129_000000_20500101_000000	1	09-DEC-2010 00:01:33
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	09-DEC-2010 00:01:33
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	09-DEC-2010 00:01:33
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	09-DEC-2010 00:01:33
ECMWF_FILE	AUX_ECF_AXNECM20101208_054114_20101208_210000_20101209_090000	1	09-DEC-2010 00:01:33
ECMWF_FILE	AUX_ECF_AXNECM20101208_174113_20101209_030000_20101209_150000	56	09-DEC-2010 03:22:00
ECMWF_FILE	AUX_ECF_AXNECM20101209_054115_20101209_150000_20101210_030000	111	09-DEC-2010 20:58:42
ECMWF_FILE	AUX_ECF_AXNECM20101209_054116_20101209_210000_20101210_090000	129	09-DEC-2010 22:12:50
OPTIONAL_ECMWF_FILE	MISSING	1	09-DEC-2010 00:01:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101208_224355_000057383097_00173_45877_2085.N1	1	09-DEC-2010 00:01:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101209_002452_000054193097_00174_45878_2086.N1	8	09-DEC-2010 00:25:09
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101209_020030_000041443097_00175_45879_2087.N1	35	09-DEC-2010 02:05:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101209_031453_000057383097_00176_45880_2088.N1	56	09-DEC-2010 03:22:00
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101209_045550_000057383097_00177_45881_2089.N1	84	09-DEC-2010 05:02:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101209_205731_000038253097_00187_45891_2094.N1	111	09-DEC-2010 20:58:42
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101209_220635_000057383097_00187_45891_2095.N1	129	09-DEC-2010 22:12:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20101209_234732_000057383097_00188_45892_2096.N1	155	09-DEC-2010 23:53:05

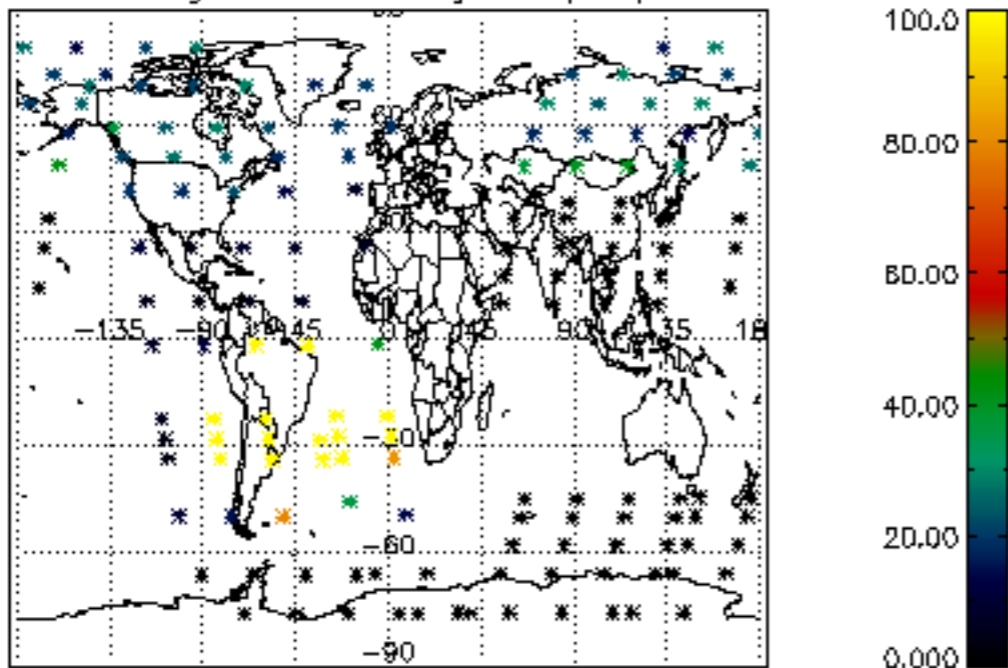




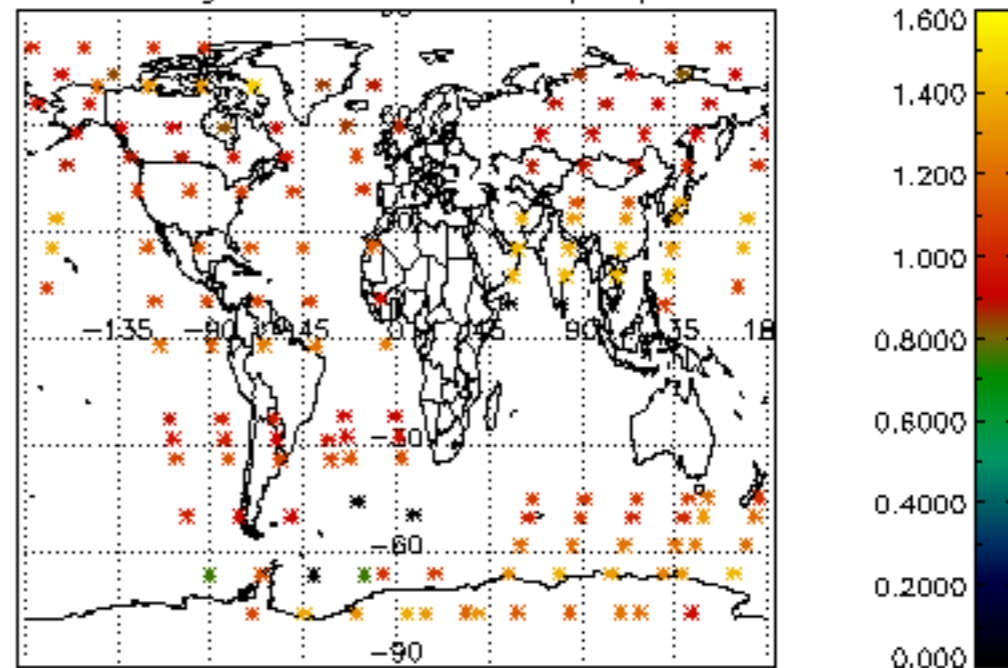




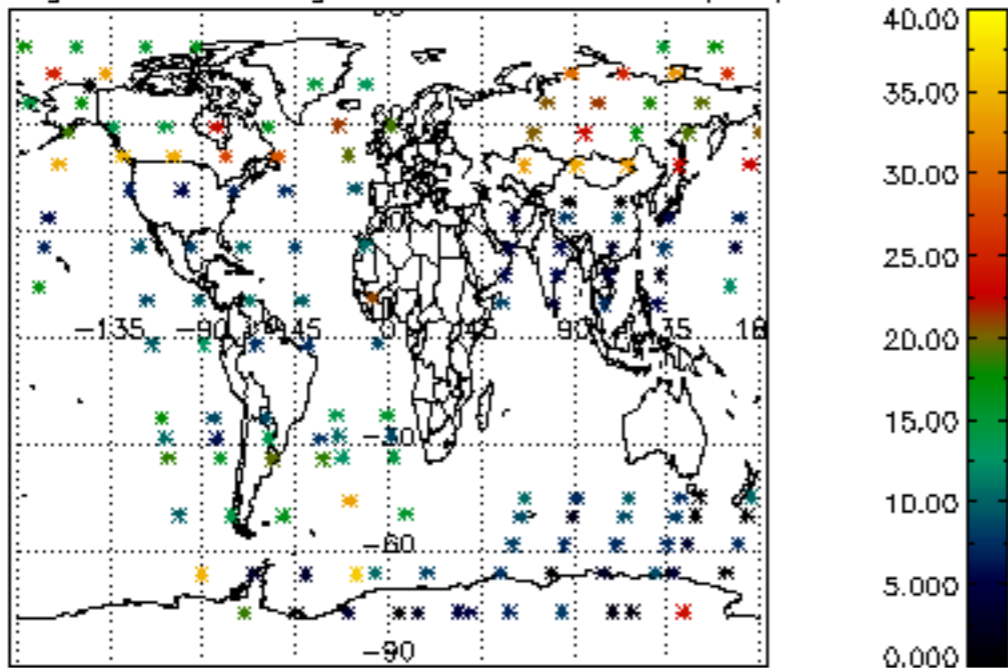
Percentage of cosmic ray hits per profile



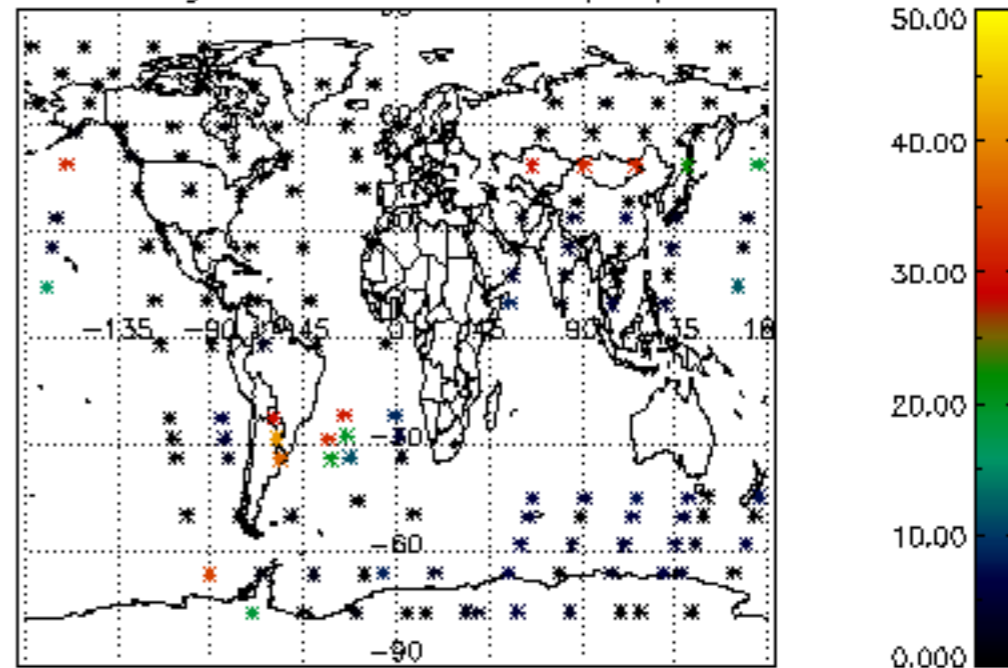
Percentage of datation errors per profile



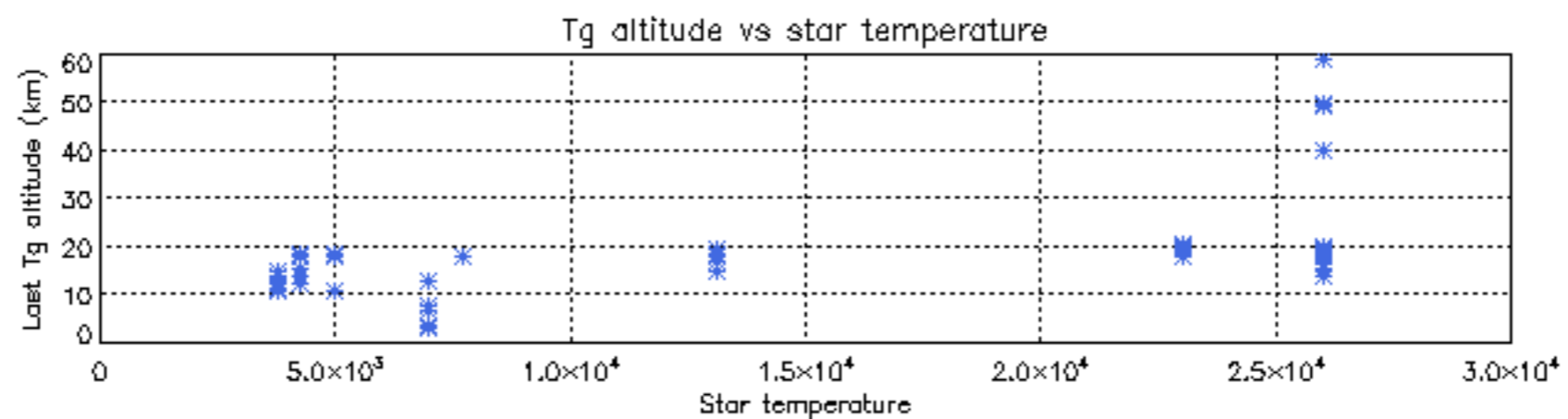
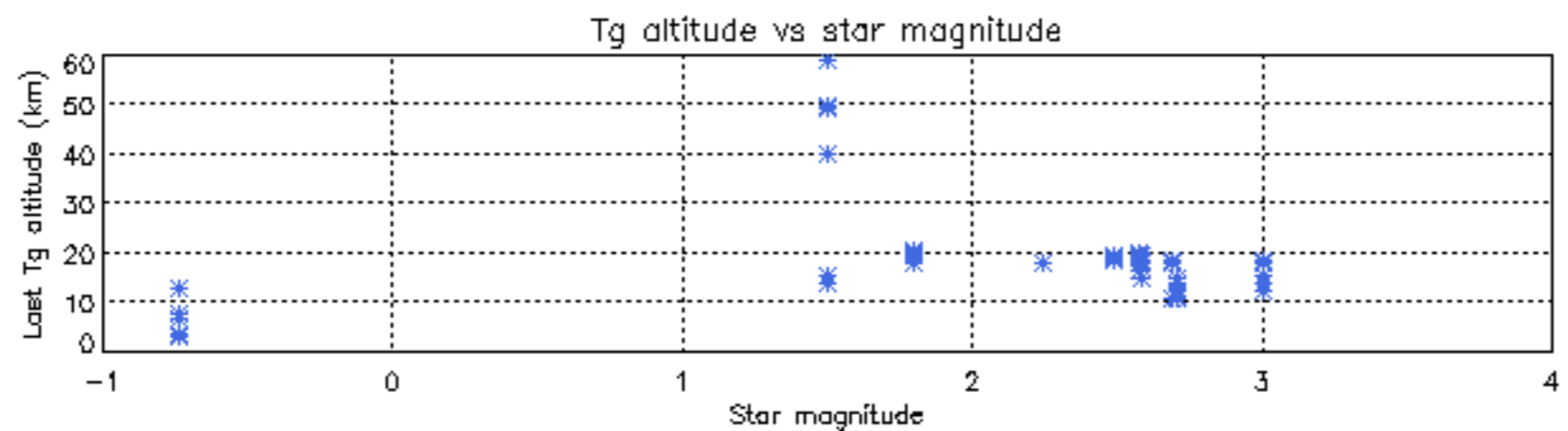
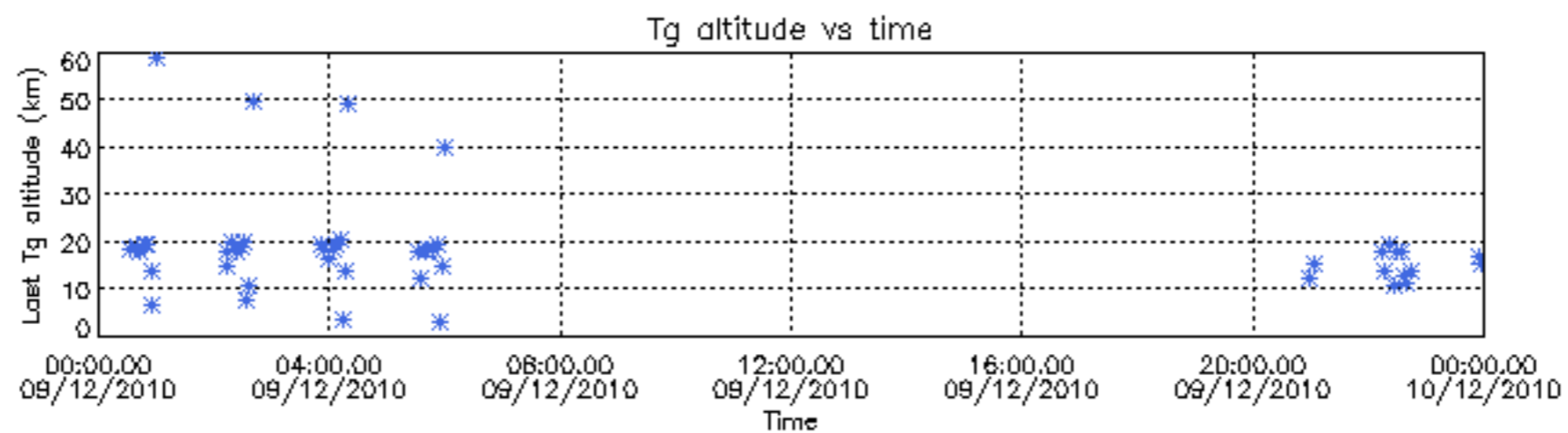
Percentage of star falling outside central band per profile



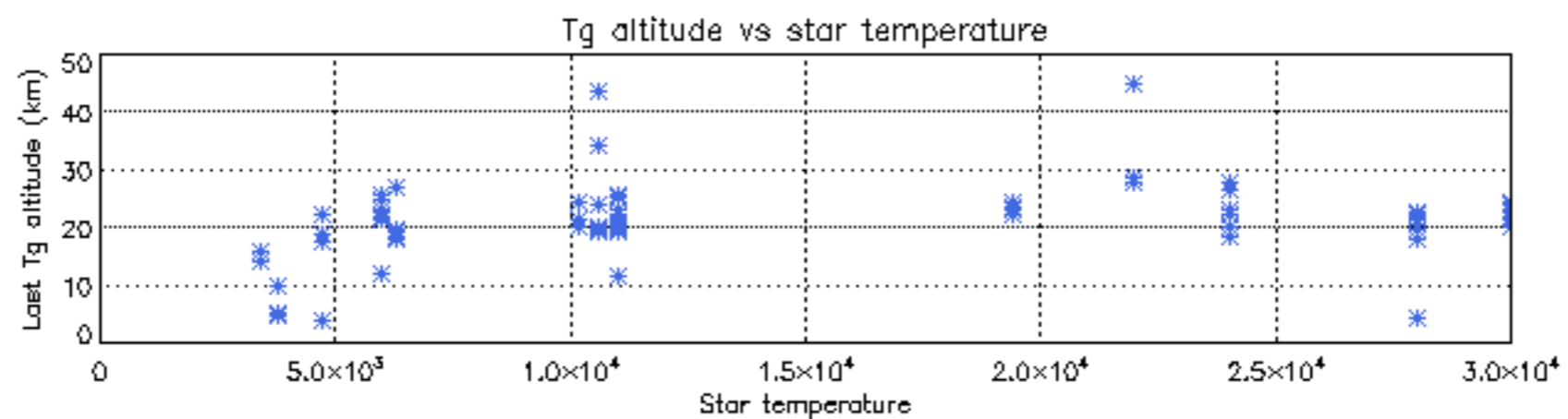
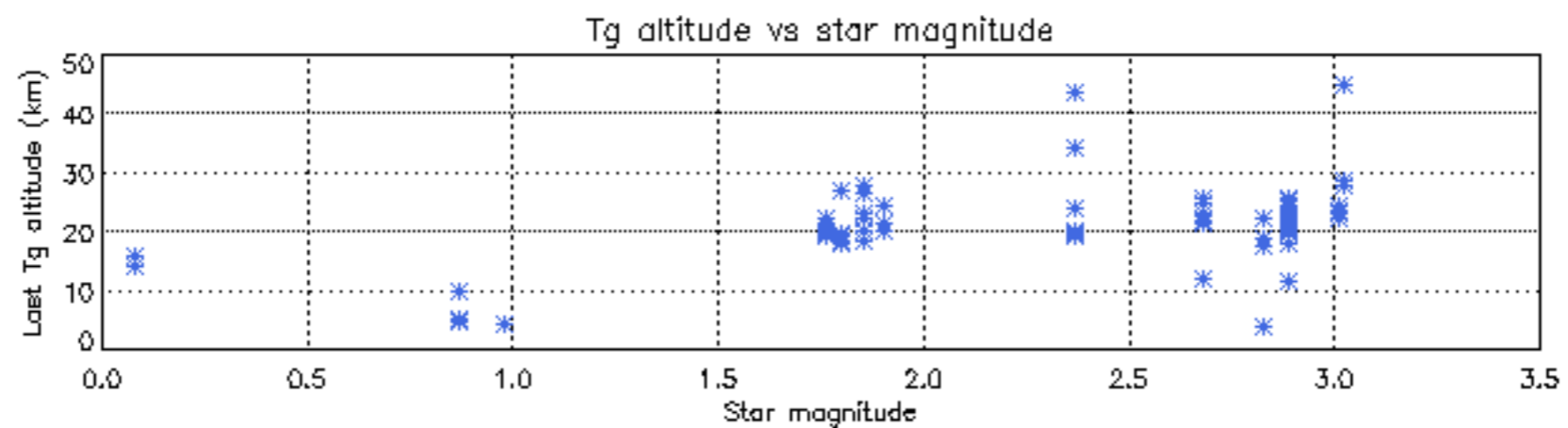
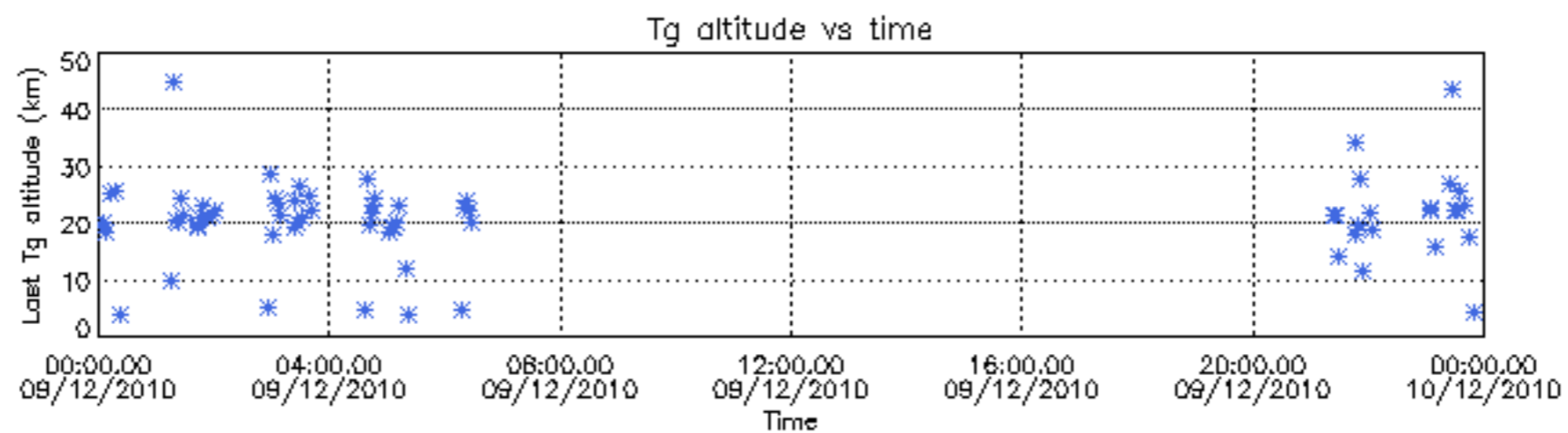
Percentage of saturation errors per profile



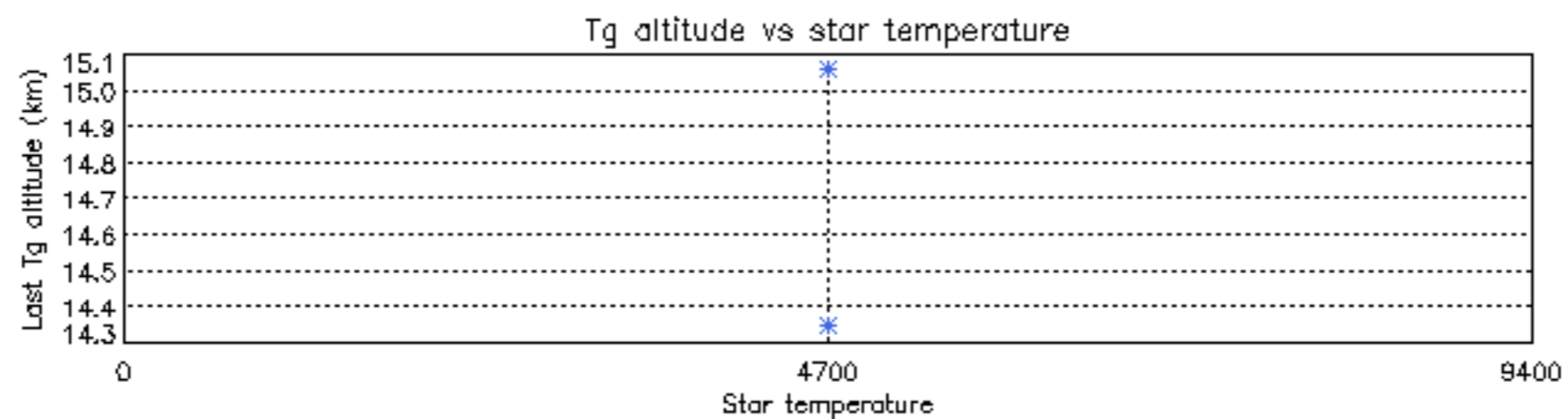
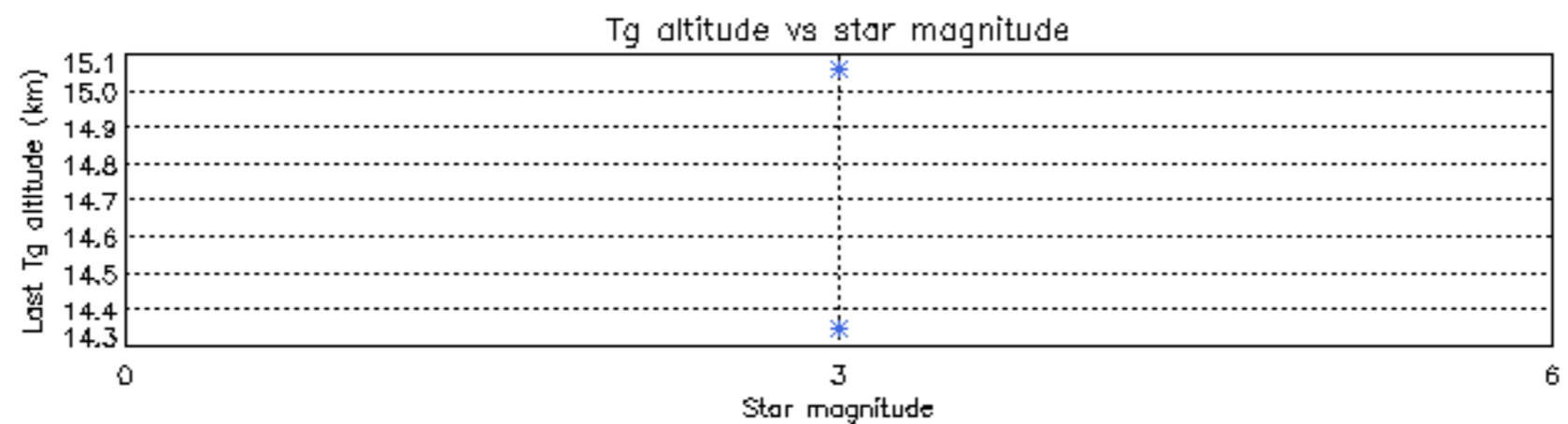
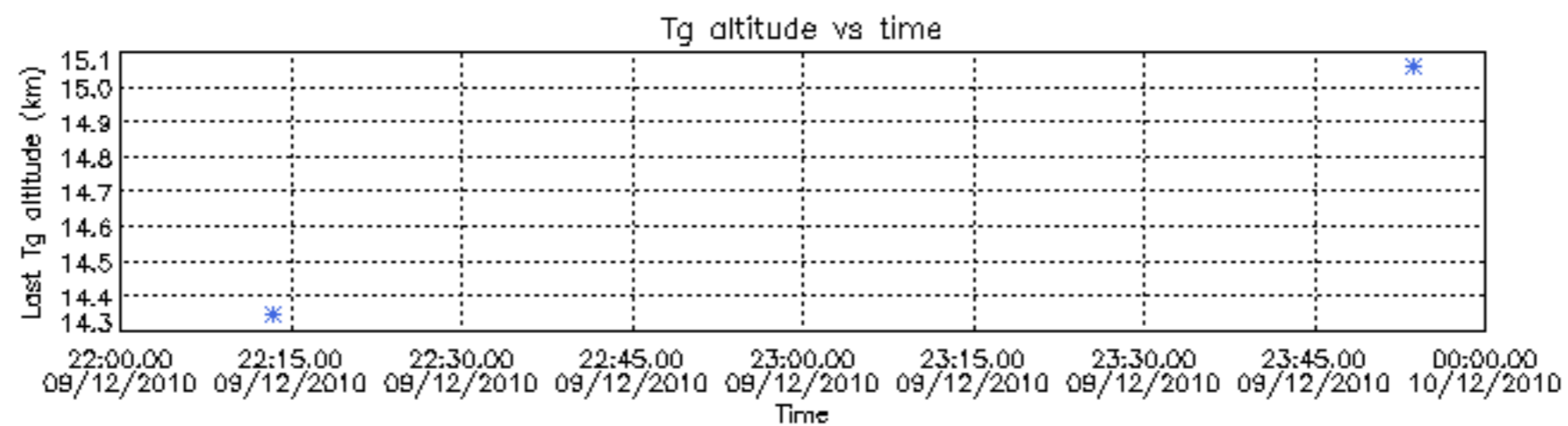
Tangent altitude at which the star is lost

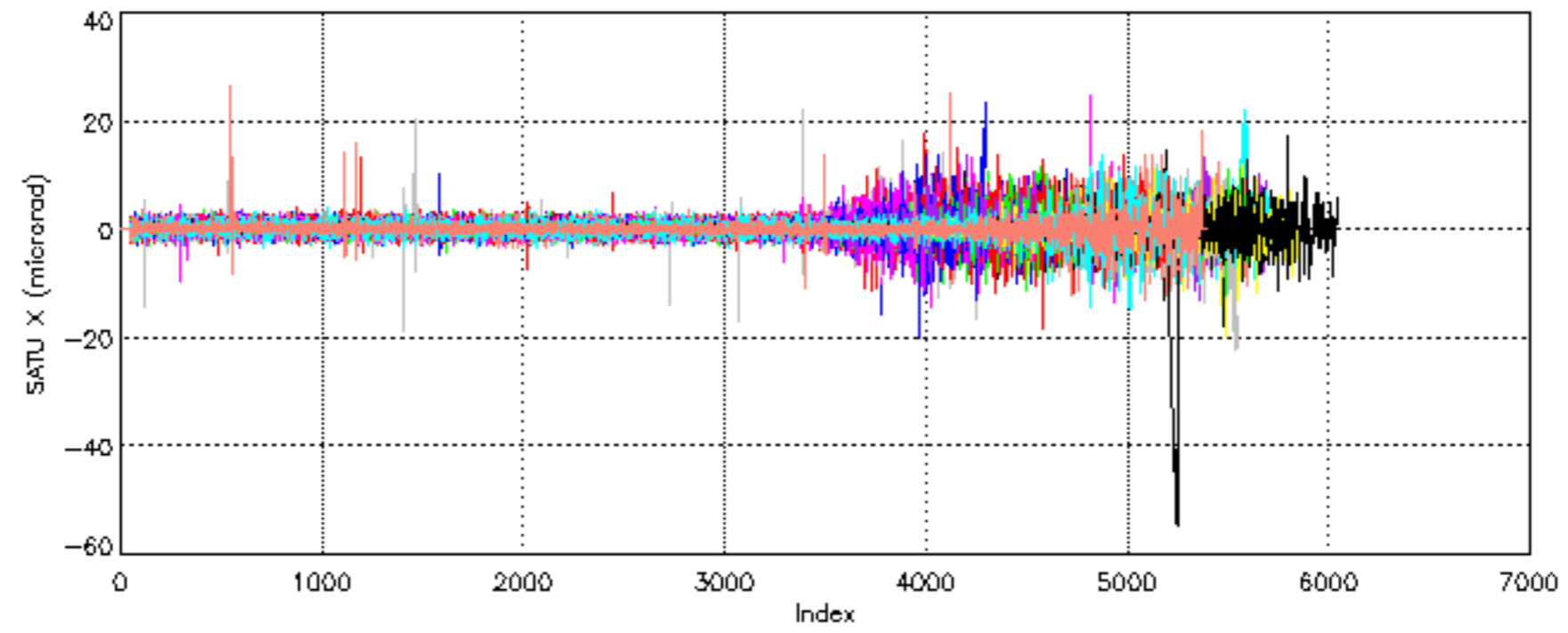


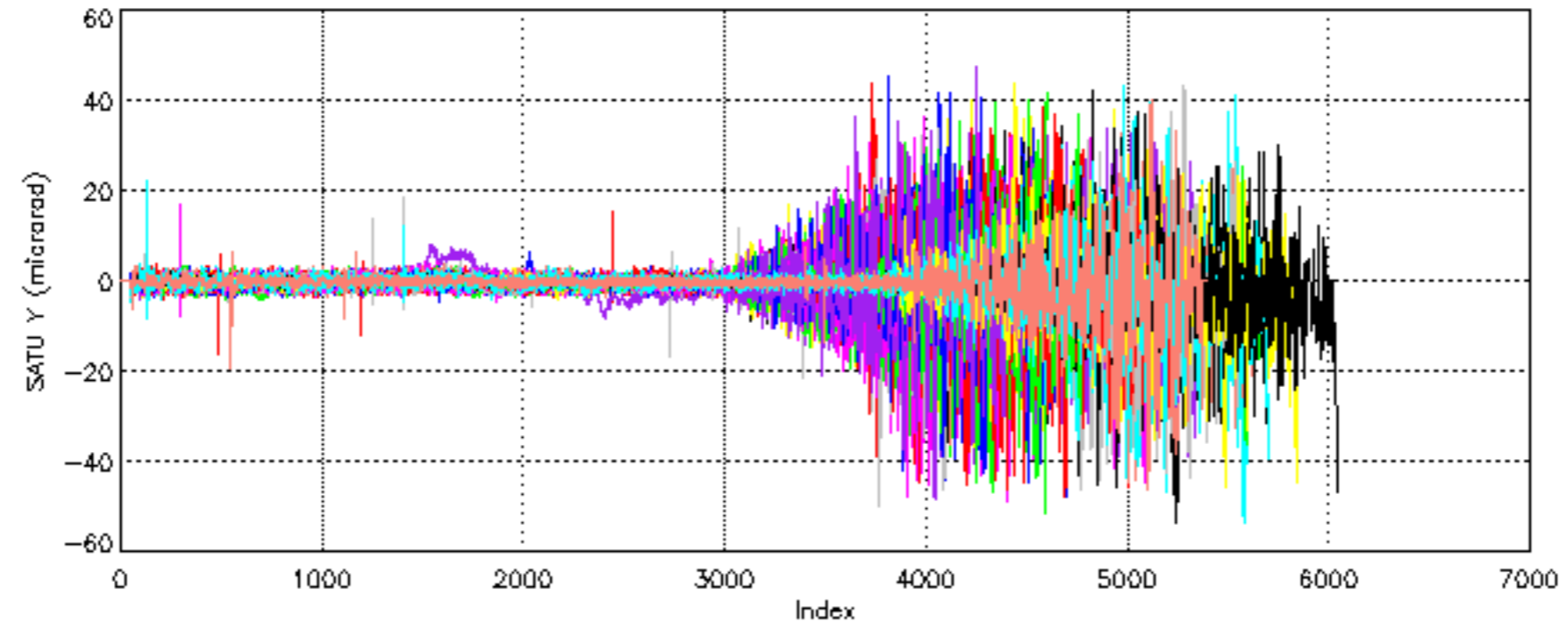
Tangent altitude at which the star is lost

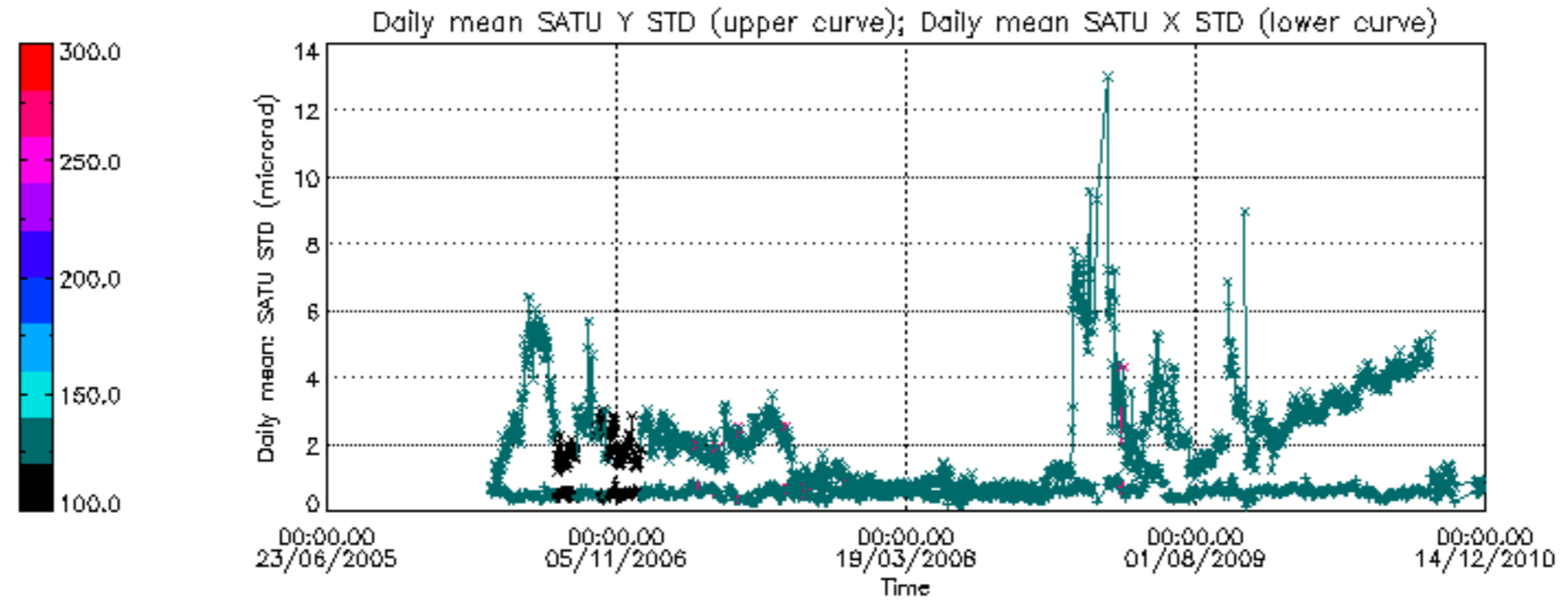


Tangent altitude at which the star is lost









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22; 6616.1; 01-DEC-2010 12:23:57; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;45771
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 3; 2078.6; 01-DEC-2010 12:48:33; Dark ; 26.0; 27; 24Gam Ori ; 1.64; 26000;occ; 52; 0;45771
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 8; 2721.5; 01-DEC-2010 12:59:16; Bright; 37.5; 175; 39Del Per ; 3.01; 19400;occ; 75; 0;45771

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13; 3993.8; 01-DEC-2010 15:00:43; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;45772
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21; 6427.3; 01-DEC-2010 17:21:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45774
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5;	2077.0;	01-DEC-2010	17:49:14;	Dark	;	40.0;	27;	24Gam Ori	;	1.64;	26000;occ;	80;	0;	45774
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8;	2454.3;	01-DEC-2010	17:55:31;	Bright;		39.0;	150;	44Zet Per	;	2.89;	28000;occ;	78;	0;	45774
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16;	4162.4;	01-DEC-2010	18:23:59;	Bright;		40.0;	174;	52Psi UMa	;	3.00;	4400;occ;	80;	0;	45774
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21;	5537.5;	01-DEC-2010	18:46:55;	Dark	;	47.0;	171;	2Eps Crv	;	3.00;	4250;occ;	94;	0;	45774
22;	6103.7;	01-DEC-2010	18:56:21;	Dark	;	44.5;	113;	Mu Vel	;	2.69;	5000;occ;	89;	0;	45775
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24;	6619.6;	01-DEC-2010	19:04:57;	Dark	;	49.0;	34;	Gam2Vel	;	1.79;	23000;occ;	98;	0;	45775
25;	6817.8;	01-DEC-2010	19:08:15;	Dark	;	58.0;	2;	Alp Car	;	-0.74;	7000;occ;	116;	0;	45775
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2;	1186.4;	01-DEC-2010	19:14:38;	Dark	;	48.5;	108;	Alp Col	;	2.65;	15200;occ;	97;	0;	45775
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11;	2720.6;	01-DEC-2010	19:40:12;	Bright;		36.5;	175;	39Del Per	;	3.01;	19400;occ;	73;	0;	45775
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13;	2930.3;	01-DEC-2010	19:43:41;	Bright;		49.5;	42;	34Bet Aur	;	1.90;	10200;occ;	99;	0;	45775
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15;	3892.7;	01-DEC-2010	19:59:44;	Bright;		44.0;	82;	48Bet UMa	;	2.37;	10600;occ;	88;	0;	45775
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17;	4162.0;	01-DEC-2010	20:04:13;	Bright;		40.0;	174;	52Psi UMa	;	3.00;	4400;occ;	80;	0;	45775
18;	4327.0;	01-DEC-2010	20:06:58;	Bright;		39.0;	152;	12Alp2CVn	;	2.89;	11000;occ;	78;	0;	45775
19;	4904.4;	01-DEC-2010	20:16:36;	Bright;		56.5;	62;	94Bet Leo	;	2.14;	9700;occ;	113;	0;	45775
20;	5101.7;	01-DEC-2010	20:19:53;	Bright;		42.5;	121;	29Gam Vir	;	2.74;	7200;occ;	85;	0;	45775
21;	5442.6;	01-DEC-2010	20:25:34;	Dark	;	47.0;	100;	4Gam Crv	;	2.58;	13100;occ;	94;	0;	45775
22;	5538.2;	01-DEC-2010	20:27:09;	Dark	;	47.5;	171;	2Eps Crv	;	3.00;	4250;occ;	95;	0;	45775
23;	6104.4;	01-DEC-2010	20:36:36;	Dark	;	42.0;	113;	Mu Vel	;	2.69;	5000;occ;	84;	0;	45776
24;	6428.9;	01-DEC-2010	20:42:00;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	45776
25;	6620.3;	01-DEC-2010	20:45:11;	Dark	;	52.5;	34;	Gam2Vel	;	1.79;	23000;occ;	105;	0;	45776
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 27; 5150.4; 06-DEC-2010 23:58:00; Dark ; 53.5; 121; 29Gam Vir ; 2.74; 7200;occ; 107; 0;45849

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 9; 2873.9; 06-DEC-2010 08:17:57; Bright; 32.0; 42; 34Bet Aur ; 1.90; 10200;occ; 64; 0;45840

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 13; 4120.3; 06-DEC-2010 08:38:43; Bright; 35.5; 39; 85Eta UMA ; 1.85; 24000;occ; 71; 0;45840
 14; 4330.0; 06-DEC-2010 08:42:13; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;45840
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14; 1525.3; 16-DEC-2010 00:07:58; Dark ; 50.5; 47; 2Bet CMa ; 1.98; 28000;occ; 101; 0;45979
15; 1737.9; 16-DEC-2010 00:11:30; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;45979
16; 1872.4; 16-DEC-2010 00:13:45; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;45979
17; 2060.7; 16-DEC-2010 00:16:53; Dark ; 67.0; 14; 58Alp Ori ; 0.87; 3000;occ; 134; 0;45979
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19; 2310.4; 16-DEC-2010 00:21:03; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;45979
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21; 2648.6; 16-DEC-2010 00:26:41; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;45979
22; 2778.4; 16-DEC-2010 00:28:51; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;45979
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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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 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
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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
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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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 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
 4; 2177.9; 15-DEC-2010 09:16:44; Dark ; 47.0; 13; 87Alp Tau ; 0.87; 3800;occ; 94; 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
 7; 2654.4; 15-DEC-2010 09:24:41; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 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
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18; 5650.3; 15-DEC-2010 10:14:37; Dark ; 55.0; 106; 9Bet Crv ; 2.65; 5600;occ; 110; 0;45970
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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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
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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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3; 1873.2; 15-DEC-2010 10:51:54; Dark ; 49.0; 30; 46Eps Ori ; 1.69; 30000;occ; 98; 0;45971
4; 2063.4; 15-DEC-2010 10:55:04; Dark ; 68.0; 14; 58Alp Ori ; 0.87; 3000;occ; 136; 0;45971
5; 2177.7; 15-DEC-2010 10:56:58; Dark ; 52.0; 13; 87Alp Tau ; 0.87; 3800;occ; 104; 0;45971
6; 2313.7; 15-DEC-2010 10:59:14; Bright; 48.5; 176; 23Zet Tau ; 3.02; 22000;occ; 97; 0;45971
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9; 2783.1; 15-DEC-2010 11:07:04; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;45971
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12; 4117.1; 15-DEC-2010 11:29:18; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 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
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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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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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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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25; 6586.4; 15-DEC-2010 13:50:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45973
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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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6; 274.6; 16-DEC-2010 23:10:24; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45993
7; 498.0; 16-DEC-2010 23:14:07; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;45993
8; 587.3; 16-DEC-2010 23:15:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45993
9; 777.5; 16-DEC-2010 23:18:46; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;45993
10; 904.7; 16-DEC-2010 23:20:54; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;45993
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12; 1258.0; 16-DEC-2010 23:26:47; Dark ; 51.0; 23; 21Eps CMA ; 1.50; 26000;occ; 102; 0;45993
13; 1363.9; 16-DEC-2010 23:28:33; Dark ; 34.0; 179; 240mi2CMA ; 3.03; 24000;occ; 68; 0;45993
14; 1527.2; 16-DEC-2010 23:31:16; Dark ; 50.5; 47; 2Bet CMA ; 1.98; 28000;occ; 101; 0;45993
15; 1738.4; 16-DEC-2010 23:34:47; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;45993
16; 1871.0; 16-DEC-2010 23:37:00; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;45993
17; 2056.0; 16-DEC-2010 23:40:05; Dark ; 59.0; 14; 58Alp Ori ; 0.87; 3000;occ; 118; 0;45993
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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 22; 2770.5; 16-DEC-2010 23:51:59; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;45993
 23; 3685.5; 17-DEC-2010 00:07:14; Bright; 33.0; 60; 7Bet UMi ; 2.08; 3950;occ; 66; 0;45993
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 25; 4115.6; 17-DEC-2010 00:14:25; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;45993
 26; 4318.0; 17-DEC-2010 00:17:47; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;45993
 27; 4511.4; 17-DEC-2010 00:21:00; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;45993
 28; 4711.7; 17-DEC-2010 00:24:21; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;45993
 29; 5311.9; 17-DEC-2010 00:34:21; Dark ; 56.5; 15; 67Alp Vir ; 0.98; 28000;occ; 113; 0;45993

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

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 3; 2059.0; 16-DEC-2010 08:38:02; Dark ; 60.5; 14; 58Alp Ori ; 0.87; 3000;occ; 121; 0;45984
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 5; 2308.7; 16-DEC-2010 08:42:11; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;45984
 6; 2431.4; 16-DEC-2010 08:44:14; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;45984
 7; 2645.6; 16-DEC-2010 08:47:48; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;45984
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 9; 3685.8; 16-DEC-2010 09:05:09; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;45984
 10; 3960.7; 16-DEC-2010 09:09:44; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;45984
 11; 4116.4; 16-DEC-2010 09:12:19; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;45984
 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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 16; 5305.3; 16-DEC-2010 09:32:08; Dark ; 52.0; 15; 67Alp Vir ; 0.98; 28000;occ; 104; 0;45984
 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
 19; 5761.4; 16-DEC-2010 09:39:44; Dark ; 57.5; 171; 2Eps Crv ; 3.00; 4250;occ; 115; 0;45984
 20; 5953.1; 16-DEC-2010 09:42:56; Dark ; 42.5; 64; Gam Cen ; 2.20; 10600;occ; 85; 0;45984
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 22; 6281.6; 16-DEC-2010 09:48:24; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;45985
 23; 6507.0; 16-DEC-2010 09:52:10; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;45985
 24; 6595.3; 16-DEC-2010 09:53:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45985
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 26; 6912.8; 16-DEC-2010 09:58:56; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;45985
 27; 7075.1; 16-DEC-2010 10:01:38; Dark ; 50.0; 117; Pi Pup ; 2.71; 3800;occ; 100; 0;45985
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 29; 7310.0; 16-DEC-2010 10:05:33; Dark ; 53.0; 37; 25Del CMa ; 1.83; 5900;occ; 106; 0;45985
 30; 7540.3; 16-DEC-2010 10:09:23; Dark ; 51.0; 47; 2Bet CMa ; 1.98; 28000;occ; 102; 0;45985

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 3; 1871.7; 16-DEC-2010 10:15:09; Dark ; 49.5; 30; 46Eps Ori ; 1.69; 30000;occ; 99; 0;45985

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5; 2176.7; 16-DEC-2010 10:20:14; Dark ; 52.0; 13; 87Alp Tau ; 0.87; 3800;occ; 104; 0;45985
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
8; 2645.2; 16-DEC-2010 10:28:02; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;45985
9; 2775.3; 16-DEC-2010 10:30:12; Bright; 42.5; 42; 34Bet Aur ; 1.90; 10200;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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19; 5666.4; 16-DEC-2010 11:18:23; Dark ; 52.0; 106; 9Bet Crv ; 2.65; 5600;occ; 104; 0;45985
20; 5762.7; 16-DEC-2010 11:20:00; Dark ; 58.0; 171; 2Eps Crv ; 3.00; 4250;occ; 116; 0;45985
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22; 6051.7; 16-DEC-2010 11:24:49; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;45986
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
25; 6596.0; 16-DEC-2010 11:33:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45986
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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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5; 2176.6; 16-DEC-2010 12:00:27; Dark ; 49.5; 13; 87Alp Tau ; 0.87; 3800;occ; 99; 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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19; 5667.4; 16-DEC-2010 12:58:38; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 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
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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
28; 7076.2; 16-DEC-2010 13:22:07; Dark ; 58.5; 117; Pi Pup ; 2.71; 3800;occ; 117; 0;45987
29; 7219.7; 16-DEC-2010 13:24:30; Dark ; 38.0; 88; 31Eta CMA ; 2.45; 20000;occ; 76; 0;45987
30; 7310.8; 16-DEC-2010 13:26:02; Dark ; 58.0; 37; 25Del CMA ; 1.83; 5900;occ; 116; 0;45987
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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3; 1871.7; 16-DEC-2010 13:35:36; Dark ; 50.5; 30; 46Eps Ori ; 1.69; 30000;occ; 101; 0;45987
4; 2058.1; 16-DEC-2010 13:38:43; Dark ; 60.5; 14; 58Alp Ori ; 0.87; 3000;occ; 121; 0;45987
5; 2176.7; 16-DEC-2010 13:40:41; Dark ; 44.5; 13; 87Alp Tau ; 0.87; 3800;occ; 89; 0;45987
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9; 2773.9; 16-DEC-2010 13:50:39; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;45987
10; 3685.9; 16-DEC-2010 14:05:51; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;45987
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12; 4116.3; 16-DEC-2010 14:13:01; Bright; 40.5; 39; 85Eta UMa ; 1.85; 24000;occ; 81; 0;45987
13; 4317.7; 16-DEC-2010 14:16:22; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;45987
14; 4510.6; 16-DEC-2010 14:19:35; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;45987
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16; 4949.2; 16-DEC-2010 14:26:54; Bright; 42.0; 138; 47Eps Vir ; 2.83; 4700;occ; 84; 0;45987
17; 5307.5; 16-DEC-2010 14:32:52; Dark ; 55.5; 15; 67Alp Vir ; 0.98; 28000;occ; 111; 0;45987
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19; 5668.5; 16-DEC-2010 14:38:53; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;45987
20; 5765.4; 16-DEC-2010 14:40:30; Dark ; 52.0; 171; 2Eps Crv ; 3.00; 4250;occ; 104; 0;45987
21; 5955.2; 16-DEC-2010 14:43:40; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;45987
22; 6053.1; 16-DEC-2010 14:45:18; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;45988
23; 6284.3; 16-DEC-2010 14:49:09; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;45988
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25; 6597.6; 16-DEC-2010 14:54:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;45988
26; 6788.2; 16-DEC-2010 14:57:33; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;45988
27; 6915.4; 16-DEC-2010 14:59:40; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;45988
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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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17; 5308.3; 16-DEC-2010 16:13:07; Dark ; 55.0; 15; 67Alp Vir ; 0.98; 28000;occ; 110; 0;45988
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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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4; 1738.4; 16-DEC-2010 16:53:51; Dark ; 50.0; 7; 19Bet Ori ; 0.10; 14000;occ; 100; 0;45989
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9; 2429.4; 16-DEC-2010 17:05:22; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;45989
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12; 3685.7; 16-DEC-2010 17:26:19; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;45989
13; 3959.8; 16-DEC-2010 17:30:53; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;45989
14; 4116.0; 16-DEC-2010 17:33:29; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;45989

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 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
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 21; 5670.8; 16-DEC-2010 17:59:24; Dark ; 56.5; 106; 9Bet Crv ; 2.65; 5600;occ; 113; 0;45989
 22; 5768.1; 16-DEC-2010 18:01:01; Dark ; 46.0; 171; 2Eps Crv ; 3.00; 4250;occ; 92; 0;45989
 23; 5956.4; 16-DEC-2010 18:04:09; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;45989
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 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
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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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 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
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 10; 905.4; 17-DEC-2010 01:01:08; Dark ; 52.5; 70; Zet Pup ; 2.25; 39000;occ; 105; 0;45994
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 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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 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
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 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
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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
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29; 2769.0; 17-DEC-2010 04:52:40; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;45996
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 19; 6347.4; 21-DEC-2010 11:46:34; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46058
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 25; 7133.2; 24-DEC-2010 11:49:43; Dark ; 50.5; 117; Pi Pup ; 2.71; 3800;occ; 101; 0;46101
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 27; 7410.1; 24-DEC-2010 11:54:20; Dark ; 45.5; 179; 240mi2CMA ; 3.03; 24000;occ; 91; 0;46101
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 9; 3680.7; 24-DEC-2010 12:32:25; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;46101
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 27; 7312.4; 24-DEC-2010 13:32:56; Dark ; 49.5; 23; 21Eps CMA ; 1.50; 26000;occ; 99; 0;46102
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 11; 4105.1; 24-DEC-2010 14:19:43; Bright; 45.0; 39; 85Eta UMa ; 1.85; 24000;occ; 90; 0;46102
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 23; 6682.6; 24-DEC-2010 15:02:40; Dark ; 44.5; 41; Eps Car ; 1.86; 4100;occ; 89; 0;46103
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27; 6994.3; 24-DEC-2010 16:48:06; Dark ; 50.0; 70; Zet Pup ; 2.25; 39000;occ; 100; 0;46104
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 9; 2678.0; 31-DEC-2010 14:39:32; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;46203
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14; 4550.9; 31-DEC-2010 15:10:45; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 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
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 12; 3892.1; 31-DEC-2010 16:40:00; Bright; 48.0; 32; 77Eps UMa ; 1.76; 11000;occ; 96; 0;46204
 13; 4088.1; 31-DEC-2010 16:43:16; Bright; 46.5; 39; 85Eta UMa ; 1.85; 24000;occ; 93; 0;46204
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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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 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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 3; 1422.0; 31-DEC-2010 17:39:04; Dark ; 44.0; 179; 240mi2CMA ; 3.03; 24000;occ; 88; 0;46205
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 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
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 22; 6112.9; 31-DEC-2010 18:57:15; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;46206
 23; 6221.9; 31-DEC-2010 18:59:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46206
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 26; 6749.9; 31-DEC-2010 19:07:52; Dark ; 47.0; 46; Del Vel ; 1.95; 10600;occ; 94; 0;46206
 27; 6920.5; 31-DEC-2010 19:10:43; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;46206
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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
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