

GOMOS Daily Report 14-JAN-2011

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	17JAN2011 05:12:31
Data source version	GOMOS/5.01
Start time of products	14JAN2011 00:02:03
Stop time of products	14JAN2011 23:59:53
Store outputs in DB	Yes
Nb of level 1b prods	134
Nb of prods with errors	3

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

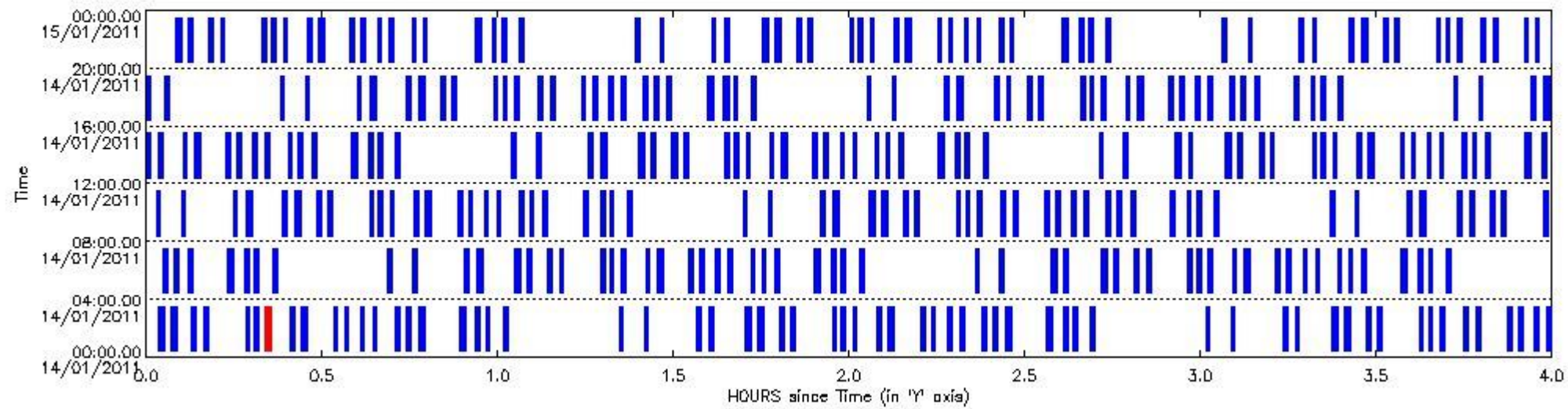
2.1 Level 0 products arrived in PCF (see template [here](#))

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
14-JAN-2011 00:20:20	ZetCen	95	46396

2.4 Summary of processed GOM_TRA_1P products

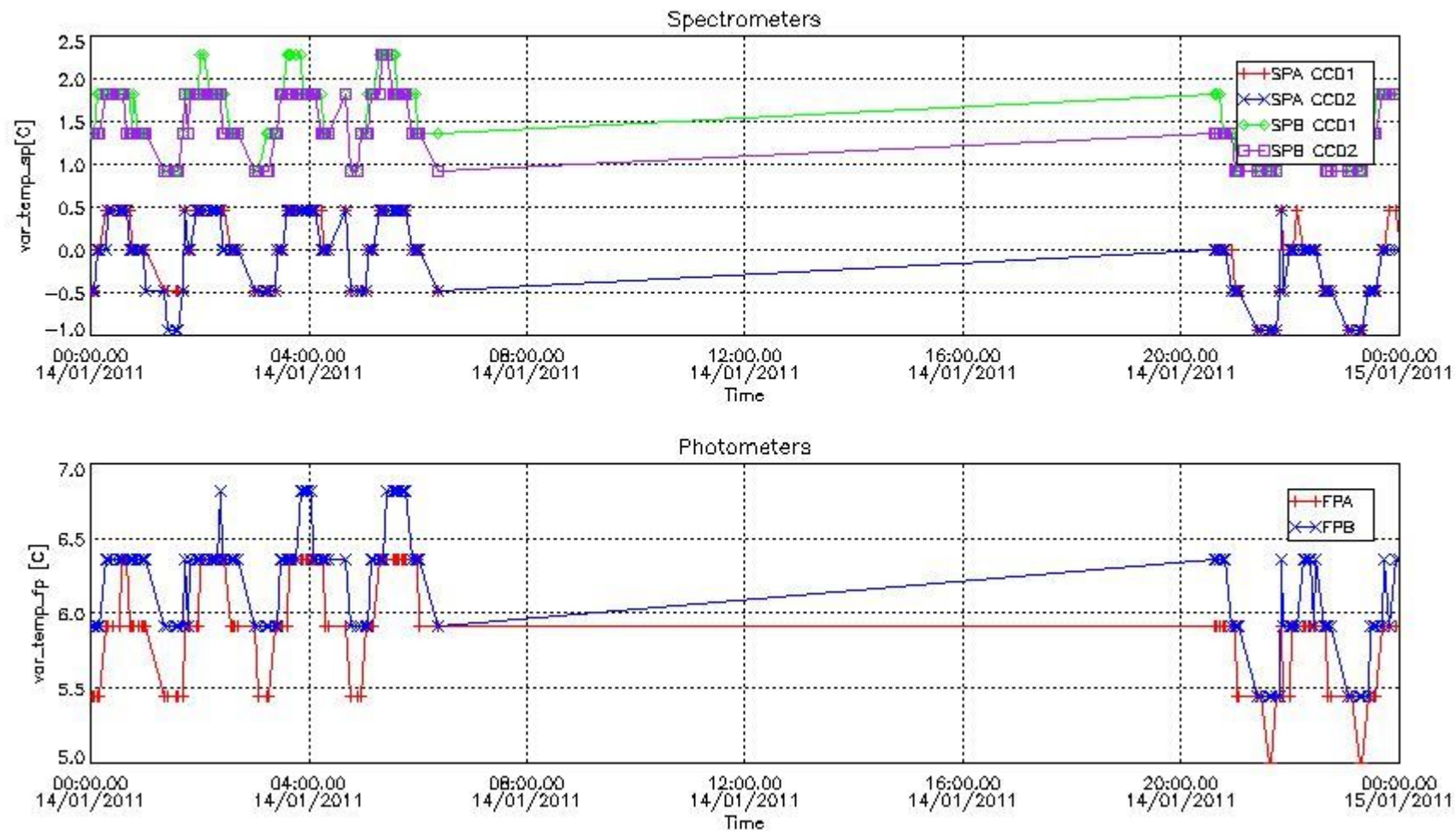
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20110114_000203_000000613098_00260_46395_3805.N1	14-JAN-2011 00:02:03	Bright	61.000	102	24Alp Ser	2.6000	4250.0	122	46395	No
2	GOM_TRA_1PNPDE20110114_000412_000000563098_00260_46395_3806.N1	14-JAN-2011 00:04:12	Bright	56.000	120	1Del Oph	2.7340	3200.0	112	46395	No
3	GOM_TRA_1PNPDE20110114_000745_000000493098_00260_46395_3808.N1	14-JAN-2011 00:07:45	Twilight_stray	49.000	104	27Bet Lib	2.6140	13100.	98	46395	No
4	GOM_TRA_1PNPDE20110114_000945_000000463098_00260_46395_3809.N1	14-JAN-2011 00:09:45	Twilight_stray	45.500	80	7Del Sco	2.3160	30000.	91	46395	No
5	GOM_TRA_1PNPDE20110114_001654_000000413098_00260_46395_3810.N1	14-JAN-2011 00:16:54	Dark	41.000	109	Bet Lup	2.6770	26000.	82	46395	No
6	GOM_TRA_1PNPDE20110114_001825_000000433098_00260_46395_3811.N1	14-JAN-2011 00:18:25	Dark	42.500	78	Alp Lup	2.3040	28000.	85	46395	No
7	GOM_TRA_1PNPDE20110114_002430_000000453098_00261_46396_3812.N1	14-JAN-2011 00:24:30	Dark	44.500	20	Bet Cru	1.2530	30000.	89	46396	No
8	GOM_TRA_1PNPDE20110114_003156_000000403098_00261_46396_3813.N1	14-JAN-2011 00:31:56	Dark	40.000	71	Iot Car	2.2460	7700.0	80	46396	No
9	GOM_TRA_1PNPDE20110114_003348_000000463098_00261_46396_3814.N1	14-JAN-2011 00:33:48	Dark	45.500	46	Del Vel	1.9540	10600.	91	46396	No
10	GOM_TRA_1PNPDE20110114_003631_000000433098_00261_46396_3815.N1	14-JAN-2011 00:36:31	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	46396	No

11	GOM_TRA_1PNPDE20110114_003840_000000433098_00261_46396_3816.N1	14-JAN-2011 00:38:40	Dark	42.500	70	Zet Pup	2.2460	39000.	85	46396	No
12	GOM_TRA_1PNPDE20110114_004229_000000433098_00261_46396_3817.N1	14-JAN-2011 00:42:29	Straylight	42.500	88	31Eta CMa	2.4480	20000.	85	46396	No
13	GOM_TRA_1PNPDE20110114_004420_000000433098_00261_46396_3818.N1	14-JAN-2011 00:44:20	Straylight	43.000	179	24Omi2CMa	3.0320	24000.	86	46396	No
14	GOM_TRA_1PNPDE20110114_004634_000000533098_00261_46396_3819.N1	14-JAN-2011 00:46:34	Straylight	53.000	1	9Alp CMa	-1.4400	11000.	106	46396	No
15	GOM_TRA_1PNPDE20110114_005324_000000623098_00261_46396_3820.N1	14-JAN-2011 00:53:24	Tw_i_and_stray	61.500	8	10Alp CMi	0.40000	6500.0	123	46396	No
16	GOM_TRA_1PNPDE20110114_005616_000000433098_00261_46396_3821.N1	14-JAN-2011 00:56:16	Bright	43.000	44	24Gam Gem	1.9280	11000.	86	46396	No
17	GOM_TRA_1PNPDE20110114_005759_000000423098_00261_46396_3822.N1	14-JAN-2011 00:57:59	Bright	42.000	151	13Mu Gem	2.8900	3000.0	84	46396	No
18	GOM_TRA_1PNPDE20110114_010101_000000503098_00261_46396_3823.N1	14-JAN-2011 01:01:01	Bright	49.500	17	78Bet Gem	1.1610	4500.0	99	46396	No
19	GOM_TRA_1PNPDE20110114_012047_000000393098_00261_46396_3824.N1	14-JAN-2011 01:20:47	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	46396	No
20	GOM_TRA_1PNPDE20110114_012503_000000383098_00261_46396_3825.N1	14-JAN-2011 01:25:03	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	46396	No
21	GOM_TRA_1PNPDE20110114_013349_000000543098_00261_46396_3826.N1	14-JAN-2011 01:33:49	Bright	54.000	133	40Zet Her	2.8070	6000.0	108	46396	No
22	GOM_TRA_1PNPDE20110114_013600_000000603098_00261_46396_3827.N1	14-JAN-2011 01:36:00	Bright	60.000	67	5Alp CrB	2.2210	11000.	120	46396	No
23	GOM_TRA_1PNPDE20110114_014218_000000613098_00261_46396_3828.N1	14-JAN-2011 01:42:18	Bright	61.000	102	24Alp Ser	2.6000	4250.0	122	46396	No
24	GOM_TRA_1PNPDE20110114_014426_000000563098_00261_46396_3825.N1	14-JAN-2011 01:44:26	Bright	56.000	120	1Del Oph	2.7340	3200.0	112	46396	Yes
25	GOM_TRA_1PNPDE20110114_014800_000000493098_00261_46396_3826.N1	14-JAN-2011 01:48:00	Tw_i_and_stray	48.500	104	27Bet Lib	2.6140	13100.	97	46396	No
26	GOM_TRA_1PNPDE20110114_014959_000000463098_00261_46396_3827.N1	14-JAN-2011 01:49:59	Tw_i_and_stray	45.500	80	7Del Sco	2.3160	30000.	91	46396	No
27	GOM_TRA_1PNPDE20110114_015709_000000403098_00261_46396_3828.N1	14-JAN-2011 01:57:09	Dark	39.500	109	Bet Lup	2.6770	26000.	79	46396	No
28	GOM_TRA_1PNPDE20110114_015839_000000423098_00261_46396_3829.N1	14-JAN-2011 01:58:39	Dark	41.500	78	Alp Lup	2.3040	28000.	83	46396	No
29	GOM_TRA_1PNPDE20110114_020038_000000443098_00262_46397_3830.N1	14-JAN-2011 02:00:38	Dark	44.000	95	Zet Cen	2.5450	26000.	88	46397	No
30	GOM_TRA_1PNPDE20110114_020445_000000443098_00262_46397_3831.N1	14-JAN-2011 02:04:45	Dark	44.000	20	Bet Cru	1.2530	30000.	88	46397	No
31	GOM_TRA_1PNPDE20110114_021210_000000453098_00262_46397_3832.N1	14-JAN-2011 02:12:10	Dark	45.000	71	lot Car	2.2460	7700.0	90	46397	No
32	GOM_TRA_1PNPDE20110114_021402_000000423098_00262_46397_3833.N1	14-JAN-2011 02:14:02	Dark	42.000	46	Del Vel	1.9540	10600.	84	46397	No
33	GOM_TRA_1PNPDE20110114_021645_000000453098_00262_46397_3834.N1	14-JAN-2011 02:16:45	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	46397	No
34	GOM_TRA_1PNPDE20110114_021854_000000463098_00262_46397_3835.N1	14-JAN-2011 02:18:54	Dark	46.000	70	Zet Pup	2.2460	39000.	92	46397	No
35	GOM_TRA_1PNPDE20110114_022243_000000443098_00262_46397_3836.N1	14-JAN-2011 02:22:43	Straylight	43.500	88	31Eta CMa	2.4480	20000.	87	46397	No
36	GOM_TRA_1PNPDE20110114_022435_000000433098_00262_46397_3837.N1	14-JAN-2011 02:24:35	Straylight	43.000	179	24Omi2CMa	3.0320	24000.	86	46397	No
37	GOM_TRA_1PNPDE20110114_022648_000000513098_00262_46397_3838.N1	14-JAN-2011 02:26:48	Straylight	51.000	1	9Alp CMa	-1.4400	11000.	102	46397	No
38	GOM_TRA_1PNPDE20110114_023338_000000623098_00262_46397_3839.N1	14-JAN-2011 02:33:38	Tw_i_and_stray	61.500	8	10Alp CMi	0.40000	6500.0	123	46397	No
39	GOM_TRA_1PNPDE20110114_023630_000000523098_00262_46397_3840.N1	14-JAN-2011 02:36:30	Bright	52.000	44	24Gam Gem	1.9280	11000.	104	46397	No
40	GOM_TRA_1PNPDE20110114_023813_000000423098_00262_46397_3841.N1	14-JAN-2011 02:38:13	Bright	42.000	151	13Mu Gem	2.8900	3000.0	84	46397	No
41	GOM_TRA_1PNPDE20110114_024115_000000483098_00262_46397_3842.N1	14-JAN-2011 02:41:15	Bright	48.000	17	78Bet Gem	1.1610	4500.0	96	46397	No
42	GOM_TRA_1PNPDE20110114_030101_000000363098_00262_46397_3849.N1	14-JAN-2011 03:01:01	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	46397	No
43	GOM_TRA_1PNPDE20110114_030516_000000393098_00262_46397_3850.N1	14-JAN-2011 03:05:16	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	46397	No
44	GOM_TRA_1PNPDE20110114_031403_000000543098_00262_46397_3851.N1	14-JAN-2011 03:14:03	Bright	54.000	133	40Zet Her	2.8070	6000.0	108	46397	No
45	GOM_TRA_1PNPDE20110114_031614_000000413098_00262_46397_3852.N1	14-JAN-2011 03:16:14	Bright	41.000	67	5Alp CrB	2.2210	11000.	82	46397	No
46	GOM_TRA_1PNPDE20110114_032232_000000613098_00262_46397_3853.N1	14-JAN-2011 03:22:32	Bright	61.000	102	24Alp Ser	2.6000	4250.0	122	46397	No
47	GOM_TRA_1PNPDE20110114_032441_000000563098_00262_46397_3854.N1	14-JAN-2011 03:24:41	Bright	56.000	120	1Del Oph	2.7340	3200.0	112	46397	No
48	GOM_TRA_1PNPDE20110114_032815_000000503098_00262_46397_3855.N1	14-JAN-2011 03:28:15	Tw_i_and_stray	49.500	104	27Bet Lib	2.6140	13100.	99	46397	No
49	GOM_TRA_1PNPDE20110114_033014_000000463098_00262_46397_3856.N1	14-JAN-2011 03:30:14	Tw_i_and_stray	46.000	80	7Del Sco	2.3160	30000.	92	46397	No
50	GOM_TRA_1PNPDE20110114_033724_000000413098_00262_46397_3857.N1	14-JAN-2011 03:37:24	Dark	40.500	109	Bet Lup	2.6770	26000.	81	46397	No
51	GOM_TRA_1PNPDE20110114_033854_000000423098_00262_46397_3858.N1	14-JAN-2011 03:38:54	Dark	41.500	78	Alp Lup	2.3040	28000.	83	46397	No
52	GOM_TRA_1PNPDE20110114_034053_000000433098_00263_46398_3859.N1	14-JAN-2011 03:40:53	Dark	43.000	95	Zet Cen	2.5450	26000.	86	46398	No
53	GOM_TRA_1PNPDE20110114_034500_000000433098_00263_46398_3860.N1	14-JAN-2011 03:45:00	Dark	42.500	20	Bet Cru	1.2530	30000.	85	46398	No
54	GOM_TRA_1PNPDE20110114_035225_000000433098_00263_46398_3861.N1	14-JAN-2011 03:52:25	Dark	42.500	71	lot Car	2.2460	7700.0	85	46398	No
55	GOM_TRA_1PNPDE20110114_035417_000000423098_00263_46398_3862.N1	14-JAN-2011 03:54:17	Dark	41.500	46	Del Vel	1.9540	10600.	83	46398	No
56	GOM_TRA_1PNPDE20110114_035700_000000453098_00263_46398_3863.N1	14-JAN-2011 03:57:00	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	46398	No
57	GOM_TRA_1PNPDE20110114_035908_000000463098_00263_46398_3864.N1	14-JAN-2011 03:59:08	Dark	46.000	70	Zet Pup	2.2460	39000.	92	46398	No
58	GOM_TRA_1PNPDE20110114_040257_000000453098_00263_46398_3865.N1	14-JAN-2011 04:02:57	Straylight	44.500	88	31Eta CMa	2.4480	20000.	89	46398	No
59	GOM_TRA_1PNPDE20110114_040449_000000423098_00263_46398_3866.N1	14-JAN-2011 04:04:49	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	46398	No
60	GOM_TRA_1PNPDE20110114_040703_000000493098_00263_46398_3867.N1	14-JAN-2011 04:07:03	Straylight	48.500	1	9Alp CMa	-1.4400	11000.	97	46398	No
61	GOM_TRA_1PNPDE20110114_041352_000000633098_00263_46398_3868.N1	14-JAN-2011 04:13:52	Tw_i_and_stray	62.500	8	10Alp CMi	0.40000	6500.0	125	46398	No
62	GOM_TRA_1PNPDE20110114_041644_000000463098_00263_46398_3869.N1	14-JAN-2011 04:16:44	Bright	45.500	44	24Gam Gem	1.9280	11000.	91	46398	No
63	GOM_TRA_1PNPDE20110114_041827_000000433098_00263_46398_3870.N1	14-JAN-2011 04:18:27	Bright	43.000	151	13Mu Gem	2.8900	3000.0	86	46398	No
64	GOM_TRA_1PNPDE20110114_042128_000000483098_00263_46398_3871.N1	14-JAN-2011 04:21:28	Bright	48.000	17	78Bet Gem	1.1610	4500.0	96	46398	No
65	GOM_TRA_1PNPDE20110114_044115_000000403098_00263_46398_3872.N1	14-JAN-2011 04:41:15	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46398	Yes
66	GOM_TRA_1PNPDE20110114_044531_000000393098_00263_46398_3873.N1	14-JAN-2011 04:45:31	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	46398	No
67	GOM_TRA_1PNPDE20110114_045417_000000543098_00263_46398_3874.N1	14-JAN-2011 04:54:17	Bright	54.000	133	40Zet Her	2.8070	6000.0	108	46398	No
68	GOM_TRA_1PNPDE20110114_045628_000000633098_00263_46398_3875.N1	14-JAN-2011 04:56:28	Bright	63.000	67	5Alp CrB	2.2210	11000.	126	46398	No
69	GOM_TRA_1PNPDE20110114_050247_000000613098_00263_46398_3876.N1	14-JAN-2011 05:02:47	Bright	61.000	102	24Alp Ser	2.6000	4250.0	122	46398	No

70	GOM_TRA_1PNPDE20110114_050455_000000563098_00263_46398_3877.N1	14-JAN-2011 05:04:55	Bright	56.000	120	1Del Oph	2.7340	3200.0	112	46398	No
71	GOM_TRA_1PNPDE20110114_050830_000000493098_00263_46398_3878.N1	14-JAN-2011 05:08:30	Twilight	48.500	104	27Bet Lib	2.6140	13100.	97	46398	No
72	GOM_TRA_1PNPDE20110114_051028_000000443098_00263_46398_3879.N1	14-JAN-2011 05:10:28	Twilight	44.000	80	7Del Sco	2.3160	30000.	88	46398	No
73	GOM_TRA_1PNPDE20110114_051738_000000413098_00263_46398_3880.N1	14-JAN-2011 05:17:38	Dark	40.500	109	Bet Lup	2.6770	26000.	81	46398	No
74	GOM_TRA_1PNPDE20110114_051909_000000413098_00263_46398_3881.N1	14-JAN-2011 05:19:09	Dark	41.000	78	Alp Lup	2.3040	28000.	82	46398	No
75	GOM_TRA_1PNPDE20110114_052108_000000433098_00264_46399_3882.N1	14-JAN-2011 05:21:08	Dark	42.500	95	Zet Cen	2.5450	26000.	85	46399	No
76	GOM_TRA_1PNPDE20110114_052514_000000423098_00264_46399_3883.N1	14-JAN-2011 05:25:14	Dark	42.000	20	Bet Cru	1.2530	30000.	84	46399	No
77	GOM_TRA_1PNPDE20110114_053239_000000413098_00264_46399_3884.N1	14-JAN-2011 05:32:39	Dark	40.500	71	lot Car	2.2460	7700.0	81	46399	No
78	GOM_TRA_1PNPDE20110114_053431_000000443098_00264_46399_3885.N1	14-JAN-2011 05:34:31	Dark	43.500	46	Del Vel	1.9540	10600.	87	46399	No
79	GOM_TRA_1PNPDE20110114_053714_000000413098_00264_46399_3886.N1	14-JAN-2011 05:37:14	Dark	41.000	34	Gam2Vel	1.7930	23000.	82	46399	No
80	GOM_TRA_1PNPDE20110114_053923_000000423098_00264_46399_3887.N1	14-JAN-2011 05:39:23	Dark	42.000	70	Zet Pup	2.2460	39000.	84	46399	No
81	GOM_TRA_1PNPDE20110114_054311_000000423098_00264_46399_3888.N1	14-JAN-2011 05:43:11	Straylight	42.000	88	31Eta CMa	2.4480	20000.	84	46399	No
82	GOM_TRA_1PNPDE20110114_054503_000000423098_00264_46399_3889.N1	14-JAN-2011 05:45:03	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	46399	No
83	GOM_TRA_1PNPDE20110114_054717_000000483098_00264_46399_3890.N1	14-JAN-2011 05:47:17	Straylight	48.000	1	9Alp CMa	-1.4400	11000.	96	46399	No
84	GOM_TRA_1PNPDE20110114_055406_000000573098_00264_46399_3891.N1	14-JAN-2011 05:54:06	Twilight	56.500	8	10Alp CMi	0.40000	6500.0	113	46399	No
85	GOM_TRA_1PNPDE20110114_055658_000000443098_00264_46399_3892.N1	14-JAN-2011 05:56:58	Bright	44.000	44	24Gam Gem	1.9280	11000.	88	46399	No
86	GOM_TRA_1PNPDE20110114_055841_000000443098_00264_46399_3893.N1	14-JAN-2011 05:58:41	Bright	44.000	151	13Mu Gem	2.8900	3000.0	88	46399	No
87	GOM_TRA_1PNPDE20110114_060142_000000493098_00264_46399_3894.N1	14-JAN-2011 06:01:42	Bright	49.000	17	78Bet Gem	1.1610	4500.0	98	46399	No
88	GOM_TRA_1PNPDE20110114_062128_000000363098_00264_46399_3895.N1	14-JAN-2011 06:21:28	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	46399	No
89	GOM_TRA_1PNPDE20110114_203642_000000453098_00273_46408_3988.N1	14-JAN-2011 20:36:42	Dark	45.000	46	Del Vel	1.9540	10600.	90	46408	No
90	GOM_TRA_1PNPDE20110114_203924_000000453098_00273_46408_3989.N1	14-JAN-2011 20:39:24	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	46408	No
91	GOM_TRA_1PNPDE20110114_204132_000000433098_00273_46408_3990.N1	14-JAN-2011 20:41:32	Dark	42.500	70	Zet Pup	2.2460	39000.	85	46408	No
92	GOM_TRA_1PNPDE20110114_204520_000000443098_00273_46408_3991.N1	14-JAN-2011 20:45:20	Straylight	44.000	88	31Eta CMa	2.4480	20000.	88	46408	No
93	GOM_TRA_1PNPDE20110114_204711_000000423098_00273_46408_3992.N1	14-JAN-2011 20:47:11	Straylight	42.000	179	24Omi2CMa	3.0320	24000.	84	46408	No
94	GOM_TRA_1PNPDE20110114_205610_000000593098_00273_46408_3993.N1	14-JAN-2011 20:56:10	Twilight	58.500	8	10Alp CMi	0.40000	6500.0	117	46408	No
95	GOM_TRA_1PNPDE20110114_205904_000000423098_00273_46408_3994.N1	14-JAN-2011 20:59:04	Bright	41.500	44	24Gam Gem	1.9280	11000.	83	46408	No
96	GOM_TRA_1PNPDE20110114_210047_000000393098_00273_46408_3995.N1	14-JAN-2011 21:00:47	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	46408	No
97	GOM_TRA_1PNPDE20110114_210344_000000483098_00273_46408_3996.N1	14-JAN-2011 21:03:44	Bright	47.500	17	78Bet Gem	1.1610	4500.0	95	46408	No
98	GOM_TRA_1PNPDE20110114_212333_000000383098_00273_46408_3997.N1	14-JAN-2011 21:23:33	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	46408	No
99	GOM_TRA_1PNPDE20110114_212750_000000353098_00273_46408_3998.N1	14-JAN-2011 21:27:50	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	46408	No
100	GOM_TRA_1PNPDE20110114_213639_000000373098_00273_46408_3999.N1	14-JAN-2011 21:36:39	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	46408	No
101	GOM_TRA_1PNPDE20110114_213851_000000443098_00273_46408_4000.N1	14-JAN-2011 21:38:51	Bright	44.000	67	5Alp CrB	2.2210	11000.	88	46408	No
102	GOM_TRA_1PNPDE20110114_214512_000000623098_00273_46408_4001.N1	14-JAN-2011 21:45:12	Bright	62.000	102	24Alp Ser	2.6000	4250.0	124	46408	No
103	GOM_TRA_1PNPDE20110114_214719_000000563098_00273_46408_4002.N1	14-JAN-2011 21:47:19	Bright	56.000	120	1Del Oph	2.7340	3200.0	112	46408	No
104	GOM_TRA_1PNPDE20110114_215057_000000503098_00273_46408_4014.N1	14-JAN-2011 21:50:57	Twilight	50.000	104	27Bet Lib	2.6140	13100.	100	46408	Yes
105	GOM_TRA_1PNPDE20110114_215254_000000483098_00273_46408_4015.N1	14-JAN-2011 21:52:54	Twilight	47.500	80	7Del Sco	2.3160	30000.	95	46408	No
106	GOM_TRA_1PNPDE20110114_220005_000000423098_00273_46408_4016.N1	14-JAN-2011 22:00:05	Dark	41.500	109	Bet Lup	2.6770	26000.	83	46408	No
107	GOM_TRA_1PNPDE20110114_220136_000000413098_00273_46408_4017.N1	14-JAN-2011 22:01:36	Dark	41.000	78	Alp Lup	2.3040	28000.	82	46408	No
108	GOM_TRA_1PNPDE20110114_220336_000000433098_00274_46409_4018.N1	14-JAN-2011 22:03:36	Dark	43.000	95	Zet Cen	2.5450	26000.	86	46409	No
109	GOM_TRA_1PNPDE20110114_220741_000000413098_00274_46409_4019.N1	14-JAN-2011 22:07:41	Dark	41.000	20	Bet Cru	1.2530	30000.	82	46409	No
110	GOM_TRA_1PNPDE20110114_221504_000000423098_00274_46409_4020.N1	14-JAN-2011 22:15:04	Dark	42.000	71	lot Car	2.2460	7700.0	84	46409	No
111	GOM_TRA_1PNPDE20110114_221656_000000463098_00274_46409_4021.N1	14-JAN-2011 22:16:56	Dark	45.500	46	Del Vel	1.9540	10600.	91	46409	No
112	GOM_TRA_1PNPDE20110114_221938_000000453098_00274_46409_4022.N1	14-JAN-2011 22:19:38	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	46409	No
113	GOM_TRA_1PNPDE20110114_222146_000000433098_00274_46409_4023.N1	14-JAN-2011 22:21:46	Dark	42.500	70	Zet Pup	2.2460	39000.	85	46409	No
114	GOM_TRA_1PNPDE20110114_222534_000000453098_00274_46409_4024.N1	14-JAN-2011 22:25:34	Straylight	45.000	88	31Eta CMa	2.4480	20000.	90	46409	No
115	GOM_TRA_1PNPDE20110114_222725_000000423098_00274_46409_4025.N1	14-JAN-2011 22:27:25	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	46409	No
116	GOM_TRA_1PNPDE20110114_223623_000000623098_00274_46409_4026.N1	14-JAN-2011 22:36:23	Twilight	61.500	8	10Alp CMi	0.40000	6500.0	123	46409	No
117	GOM_TRA_1PNPDE20110114_223918_000000443098_00274_46409_4027.N1	14-JAN-2011 22:39:18	Bright	43.500	44	24Gam Gem	1.9280	11000.	87	46409	No
118	GOM_TRA_1PNPDE20110114_224101_000000403098_00274_46409_4028.N1	14-JAN-2011 22:41:01	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	46409	No
119	GOM_TRA_1PNPDE20110114_224357_000000483098_00274_46409_4029.N1	14-JAN-2011 22:43:57	Bright	47.500	17	78Bet Gem	1.1610	4500.0	95	46409	No
120	GOM_TRA_1PNPDE20110114_230347_000000353098_00274_46409_4030.N1	14-JAN-2011 23:03:47	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	46409	No
121	GOM_TRA_1PNPDE20110114_230805_000000373098_00274_46409_4031.N1	14-JAN-2011 23:08:05	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	46409	No
122	GOM_TRA_1PNPDE20110114_231653_000000363098_00274_46409_4032.N1	14-JAN-2011 23:16:53	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	46409	No
123	GOM_TRA_1PNPDE20110114_231905_000000423098_00274_46409_4033.N1	14-JAN-2011 23:19:05	Bright	42.000	67	5Alp CrB	2.2210	11000.	84	46409	No
124	GOM_TRA_1PNPDE20110114_232526_000000443098_00274_46409_4034.N1	14-JAN-2011 23:25:26	Bright	44.000	102	24Alp Ser	2.6000	4250.0	88	46409	No
125	GOM_TRA_1PNPDE20110114_232734_000000563098_00274_46409_4035.N1	14-JAN-2011 23:27:34	Bright	56.000	120	1Del Oph	2.7340	3200.0	112	46409	No
126	GOM_TRA_1PNPDE20110114_233112_000000503098_00274_46409_4036.N1	14-JAN-2011 23:31:12	Twilight	49.500	104	27Bet Lib	2.6140	13100.	99	46409	No
127	GOM_TRA_1PNPDE20110114_233308_000000473098_00274_46409_4037.N1	14-JAN-2011 23:33:08	Twilight	47.000	80	7Del Sco	2.3160	30000.	94	46409	No
128	GOM_TRA_1PNPDE20110114_234020_000000403098_00274_46409_4038.N1	14-JAN-2011 23:40:20	Dark	40.000	109	Bet Lup	2.6770	26000.	80	46409	No

129	GOM_TRA_1PNPDE20110114_234150_000000413098_00274_46409_4039.N1	14-JAN-2011 23:41:50	Dark	41.000	78	Alp Lup	2.3040	28000.	82	46409	No
130	GOM_TRA_1PNPDE20110114_234351_000000423098_00275_46410_4040.N1	14-JAN-2011 23:43:51	Dark	41.500	95	Zet Cen	2.5450	26000.	83	46410	No
131	GOM_TRA_1PNPDE20110114_234755_000000433098_00275_46410_4041.N1	14-JAN-2011 23:47:55	Dark	42.500	20	Bet Cru	1.2530	30000.	85	46410	No
132	GOM_TRA_1PNPDE20110114_235518_000000423098_00275_46410_4042.N1	14-JAN-2011 23:55:18	Dark	41.500	71	lot Car	2.2460	7700.0	83	46410	No
133	GOM_TRA_1PNPDE20110114_235710_000000443098_00275_46410_4043.N1	14-JAN-2011 23:57:10	Dark	44.000	46	Del Vel	1.9540	10600.	88	46410	No
134	GOM_TRA_1PNPDE20110114_235953_000000453098_00275_46410_4044.N1	14-JAN-2011 23:59:53	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	46410	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).

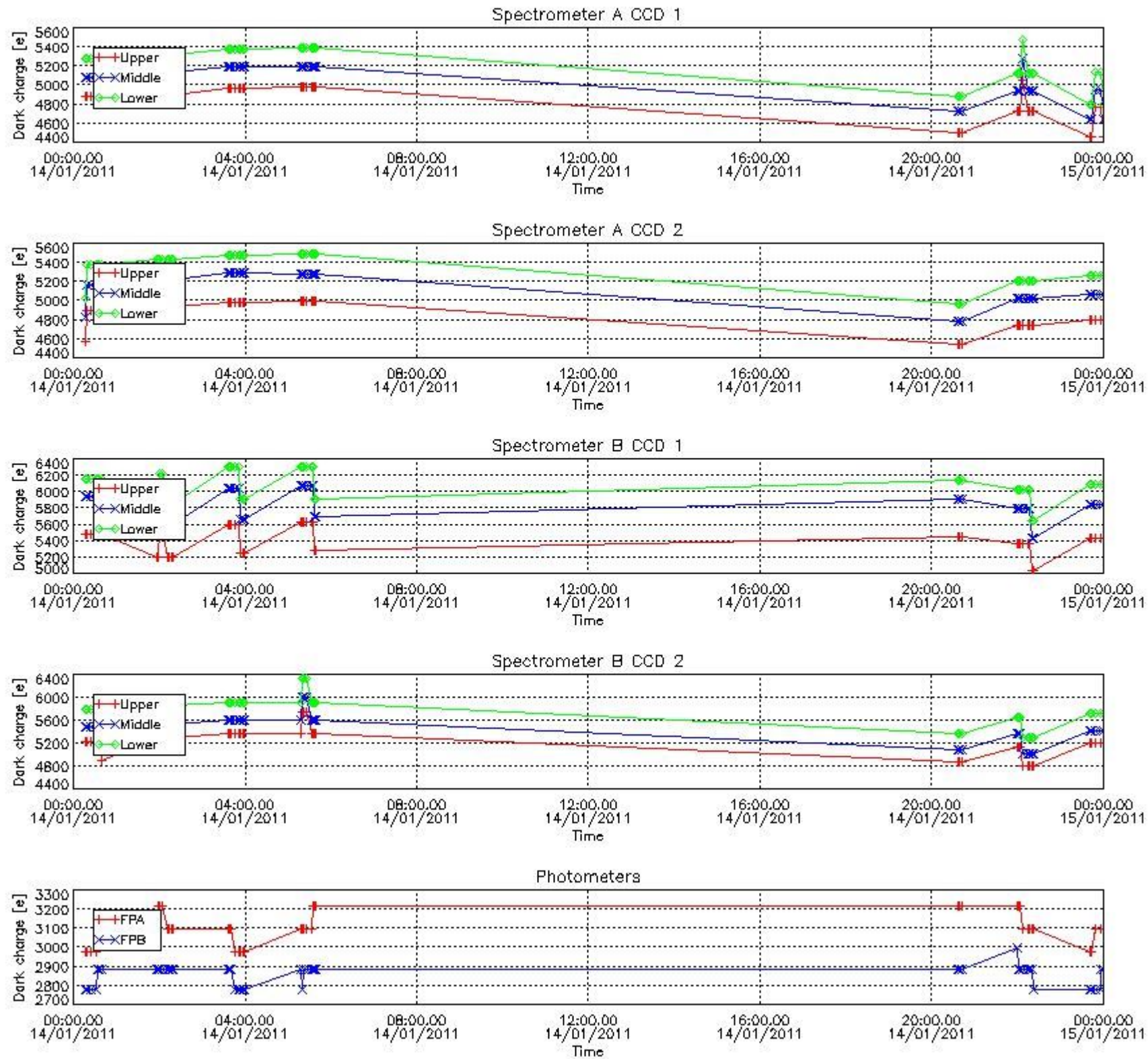
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110114_203642_000000453098_00273_46408_3988.N1	DC map used
GOM_TRA_1PNPDE20110114_203924_000000453098_00273_46408_3989.N1	DC map used
GOM_TRA_1PNPDE20110114_204132_000000433098_00273_46408_3990.N1	DC map used
GOM_TRA_1PNPDE20110114_204520_000000443098_00273_46408_3991.N1	DC map used

GOM_TRA_1PNPDE20110114_204711_000000423098_00273_46408_3992.N1	DC map used
GOM_TRA_1PNPDE20110114_205610_000000593098_00273_46408_3993.N1	DC map used
GOM_TRA_1PNPDE20110114_205904_000000423098_00273_46408_3994.N1	DC map used
GOM_TRA_1PNPDE20110114_210047_000000393098_00273_46408_3995.N1	DC map used
GOM_TRA_1PNPDE20110114_210344_000000483098_00273_46408_3996.N1	DC map used
GOM_TRA_1PNPDE20110114_212333_000000383098_00273_46408_3997.N1	DC map used
GOM_TRA_1PNPDE20110114_212750_000000353098_00273_46408_3998.N1	DC map used
GOM_TRA_1PNPDE20110114_213639_000000373098_00273_46408_3999.N1	DC map used
GOM_TRA_1PNPDE20110114_213851_000000443098_00273_46408_4000.N1	DC map used
GOM_TRA_1PNPDE20110114_214512_000000623098_00273_46408_4001.N1	DC map used
GOM_TRA_1PNPDE20110114_214719_000000563098_00273_46408_4002.N1	DC map used

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



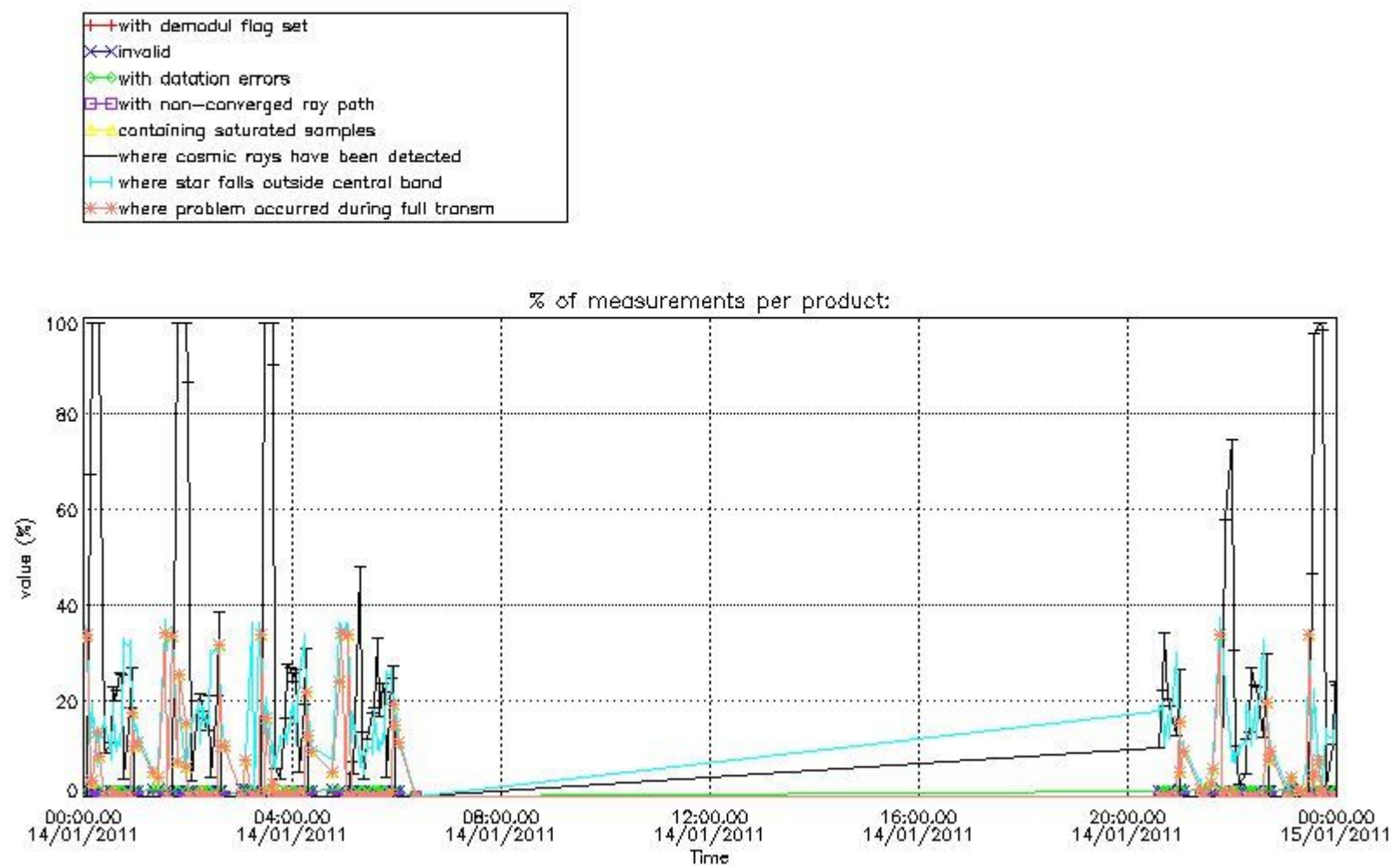
5. Demodulation flag and quality information monitoring

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.

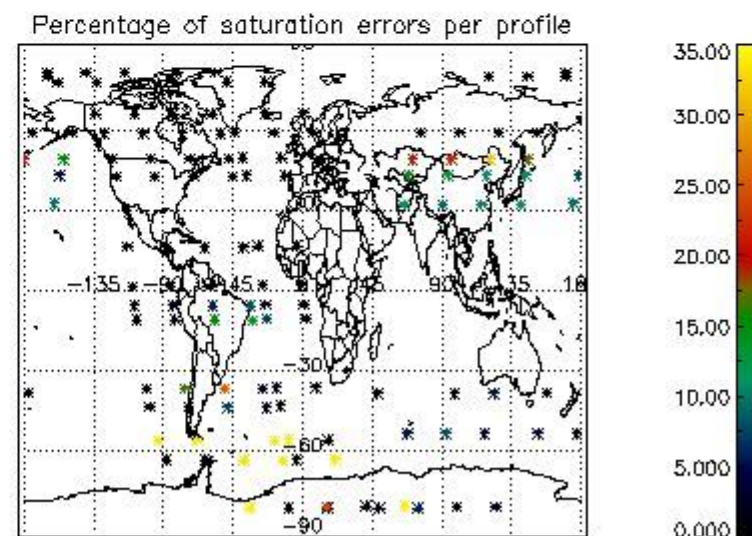
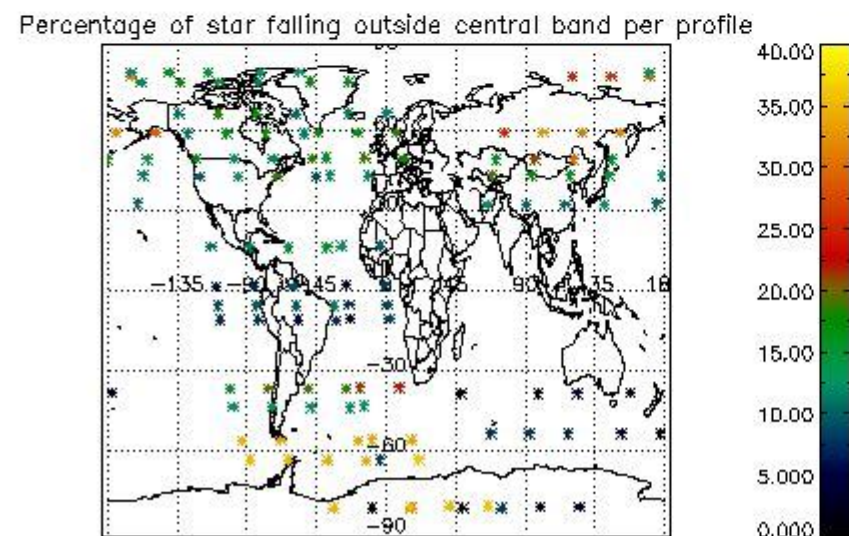
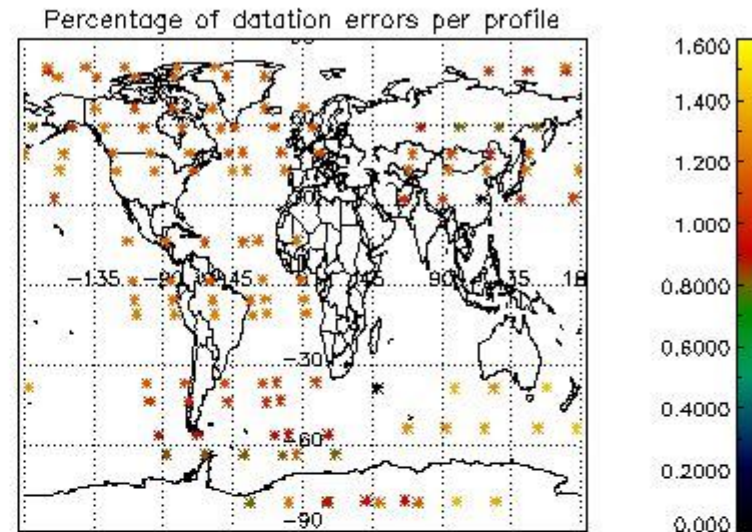
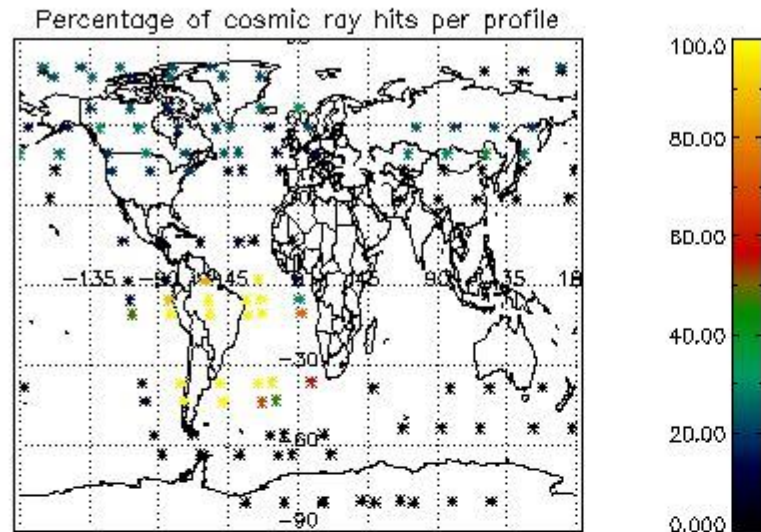
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	53.4351 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



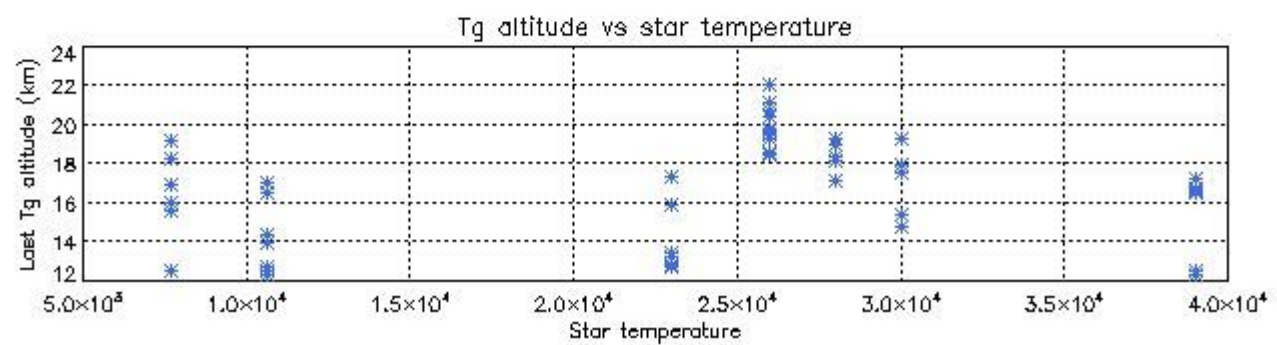
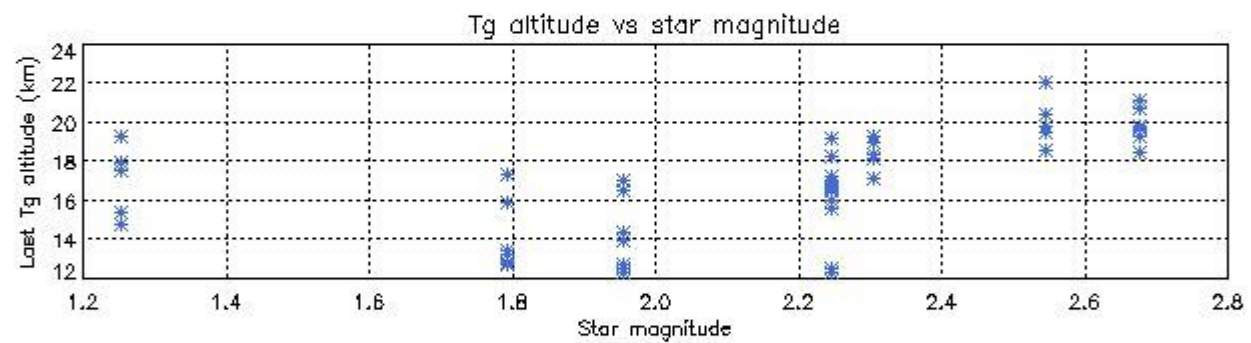
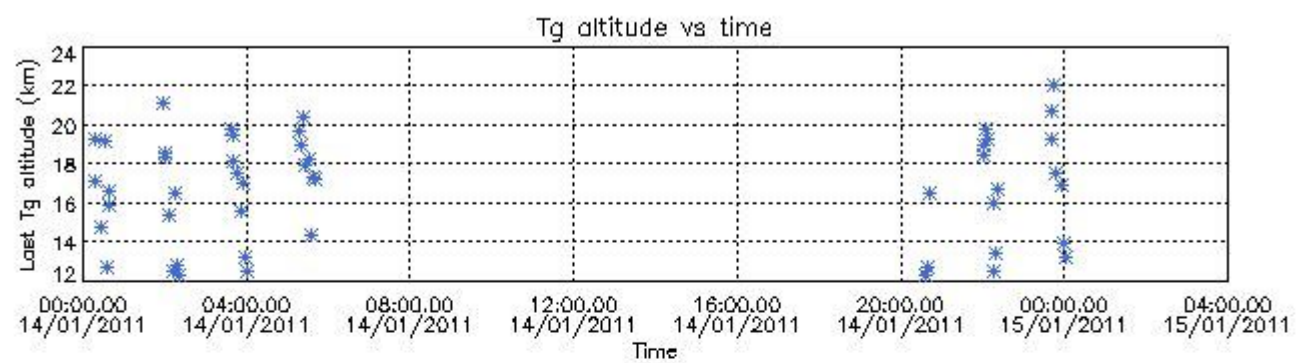
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.755	14.067	NaN
St. deviation:	2.7440	7.9872	NaN
Maximum:	22.034	30.243	NaN
Minimum:	12.270	3.9021	NaN
Number of data:	49.000	49.000	NaN

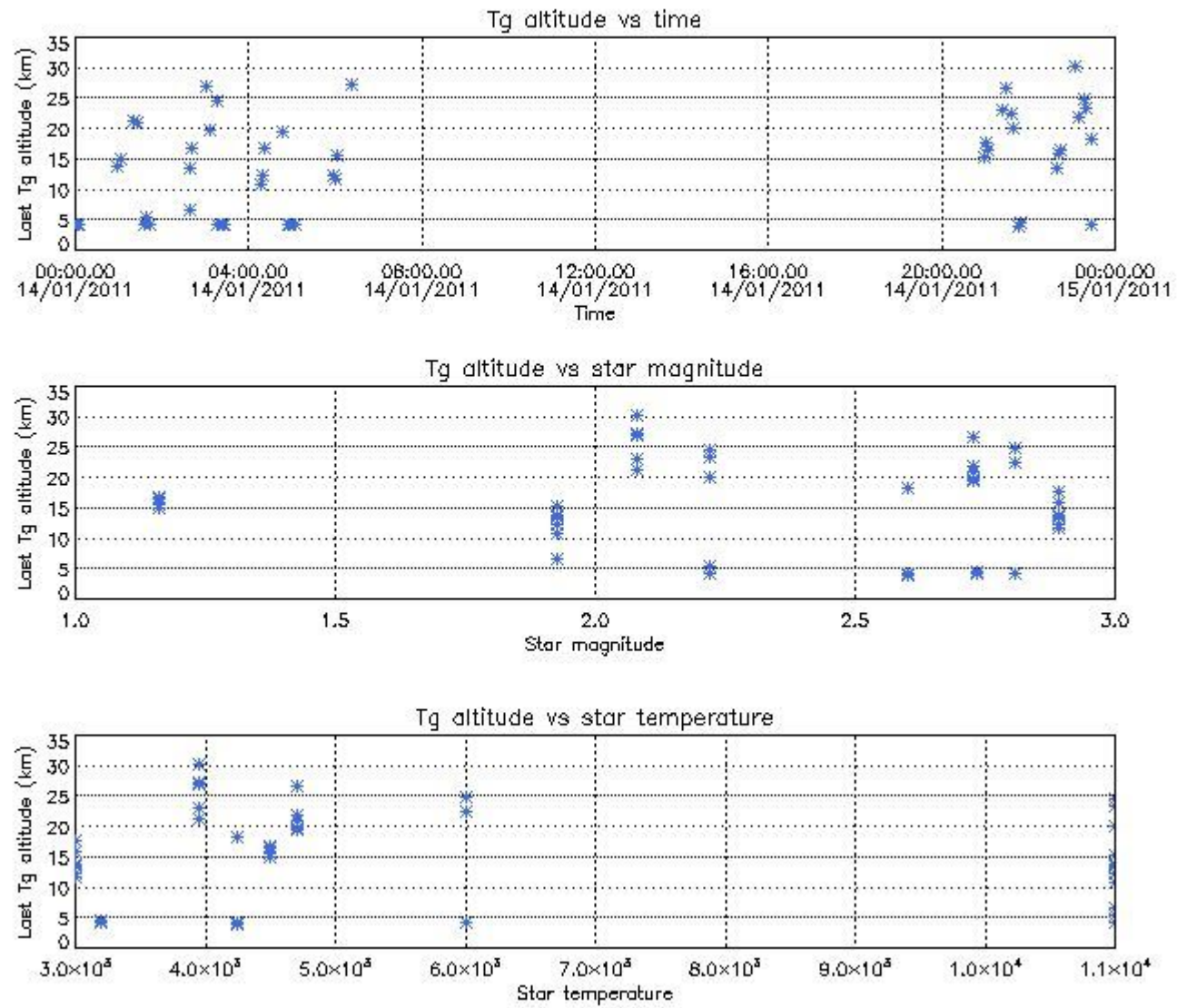
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

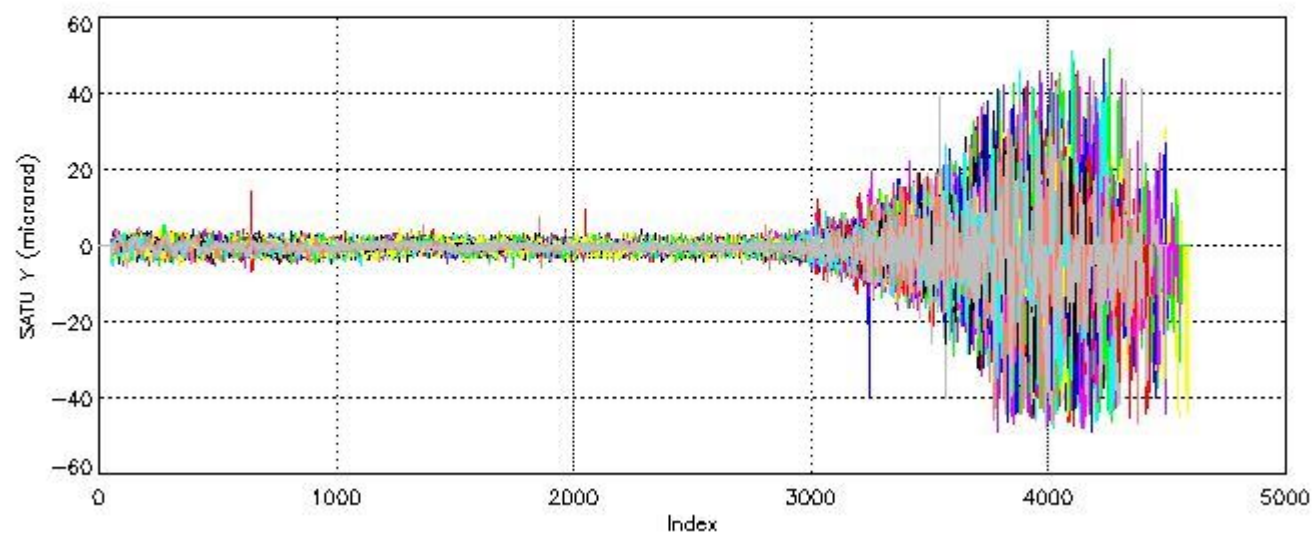
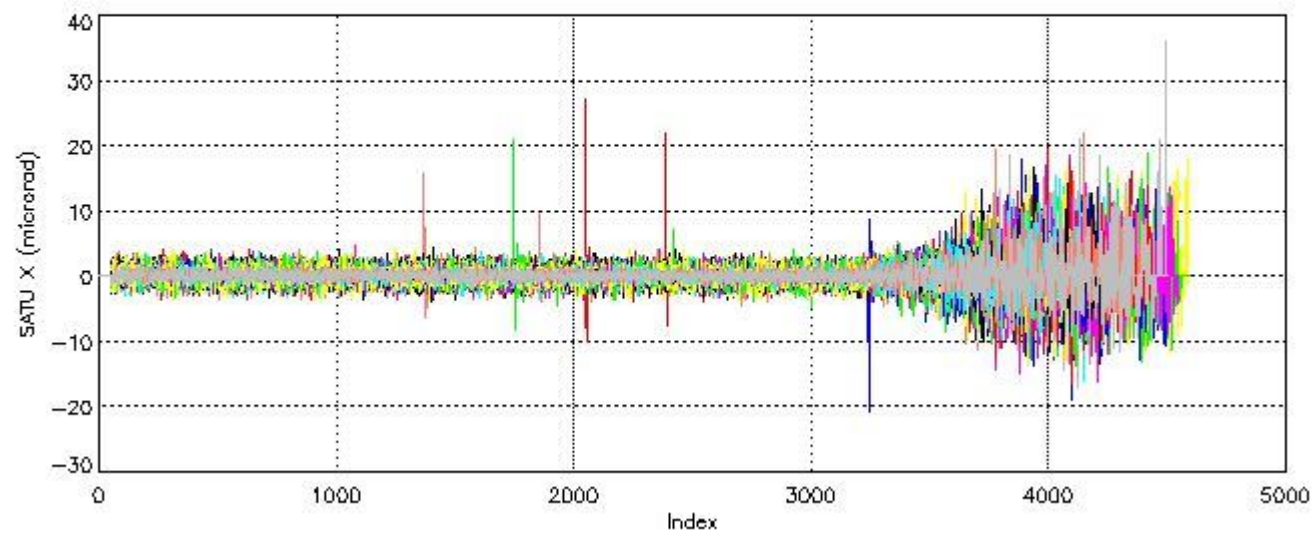


7. Star Acquisition and Tracking Unit (SATU)

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:	0.17026	-0.39284	0.14343	-0.37067
St. deviation:	0.73639	1.1291	0.52664	0.88937
Maximum:	4.1000	14.300	4.2000	3.8000
Minimum:	-3.8000	-6.6000	-3.4000	-5.6000

Number of data:	47900.	47900.	46150.	46150.
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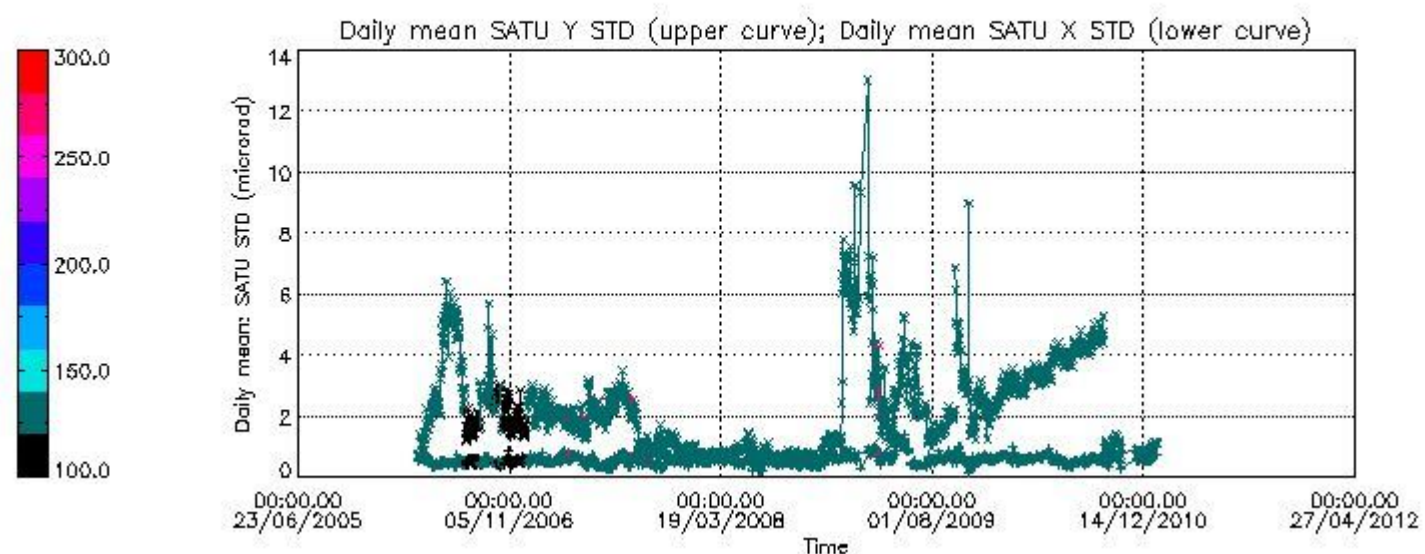
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

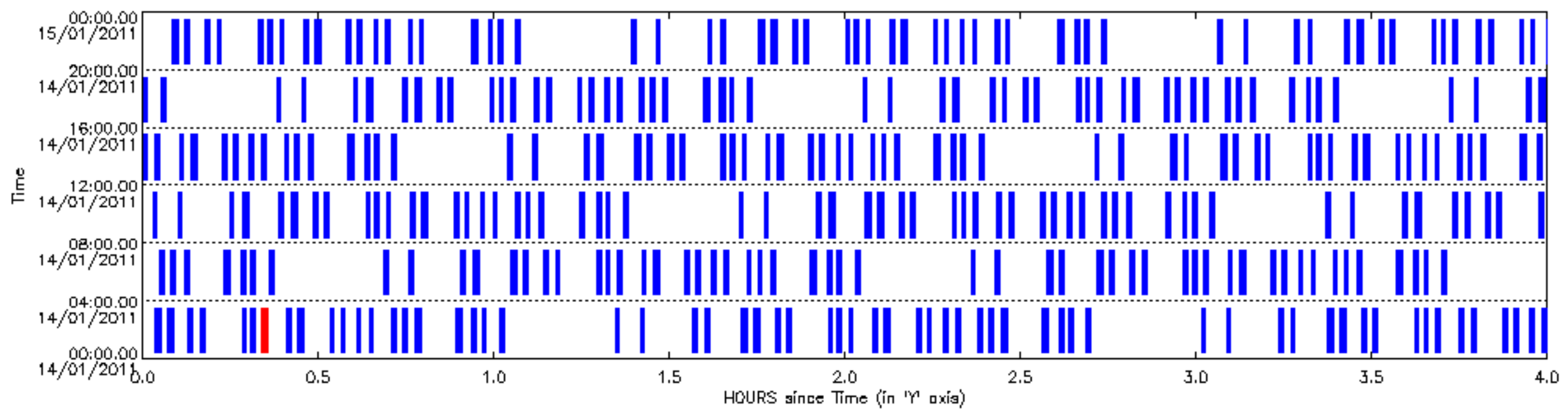
Lower curve: STD of SATU X axis

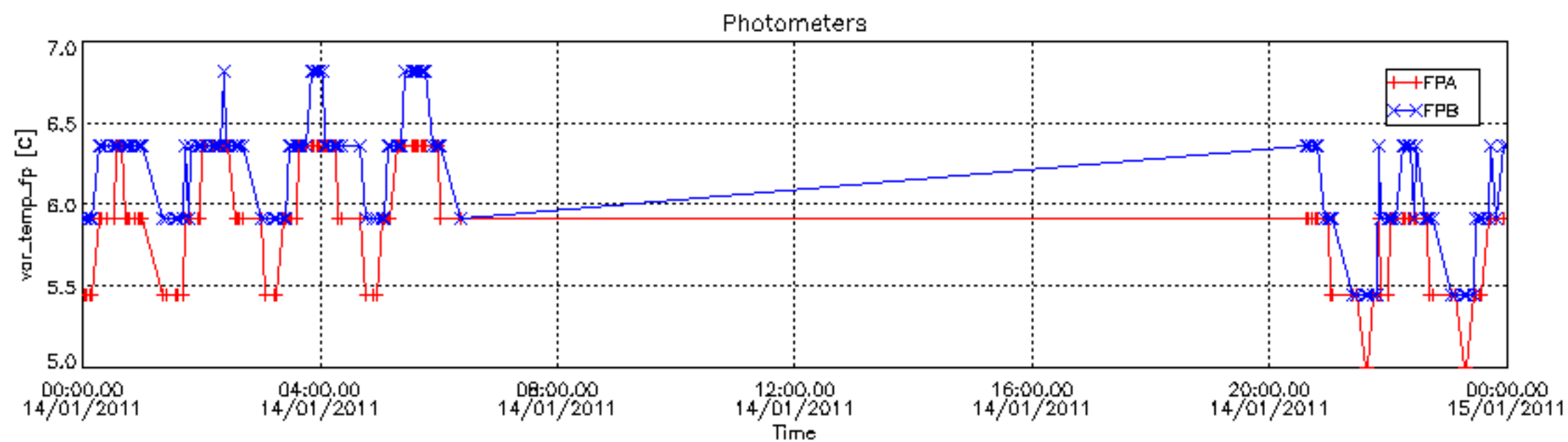
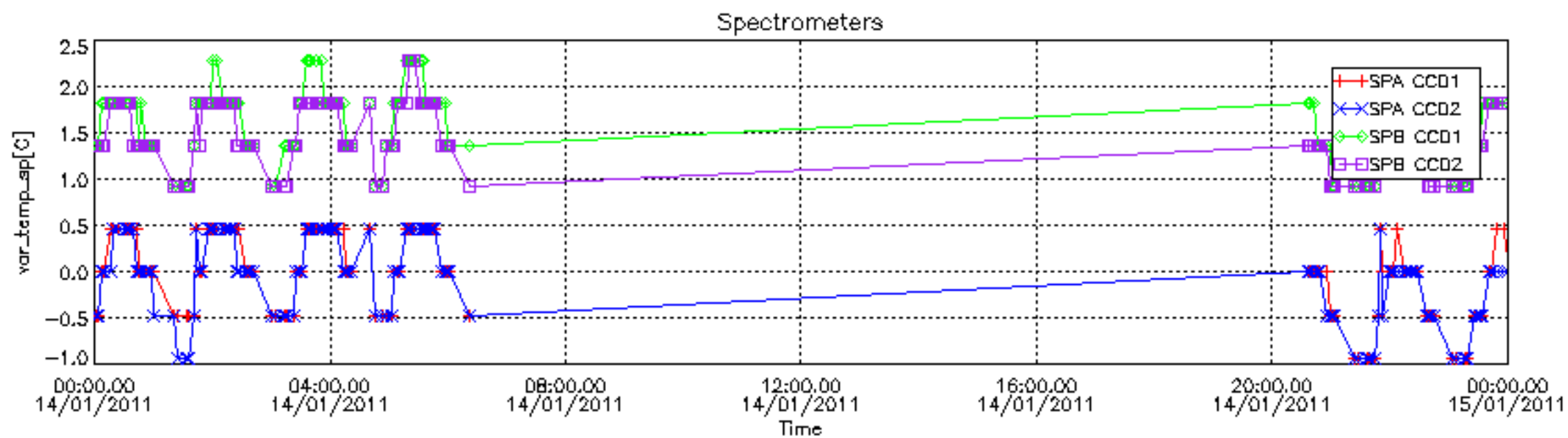


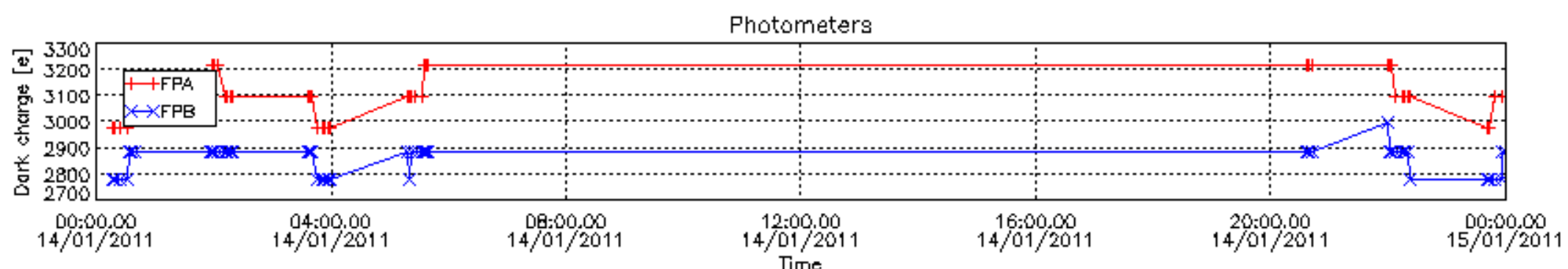
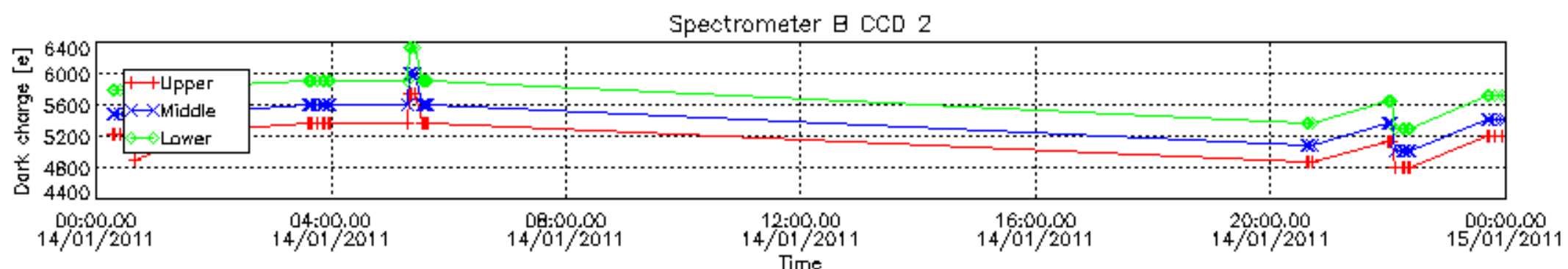
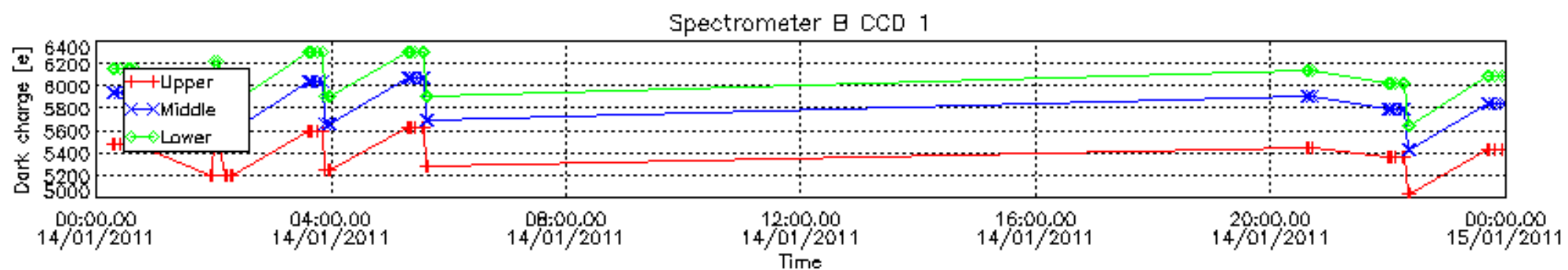
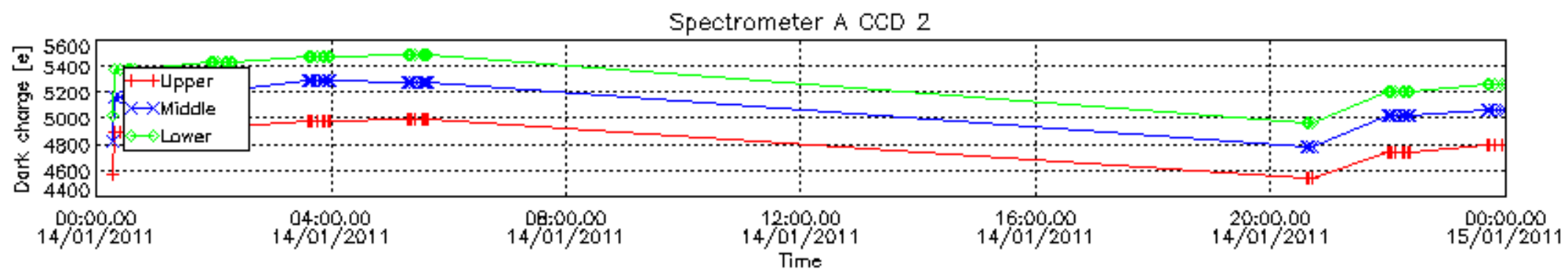
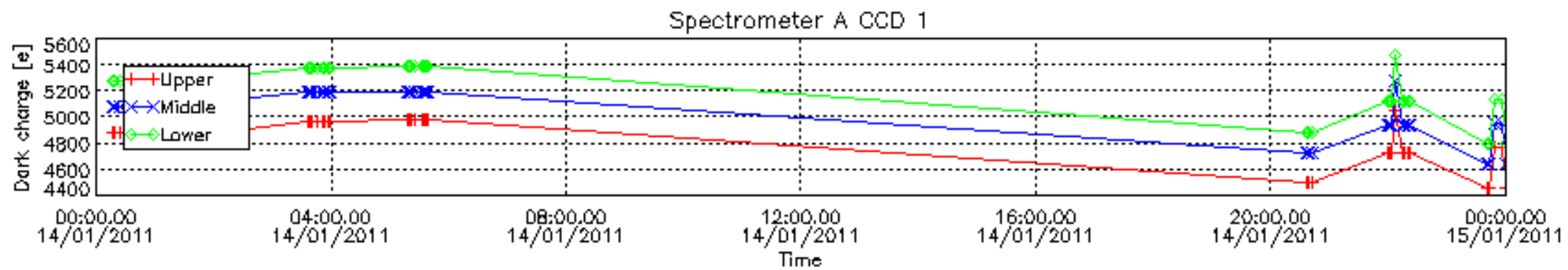
8. Auxiliary Data Files used for the production reported in section 2.4

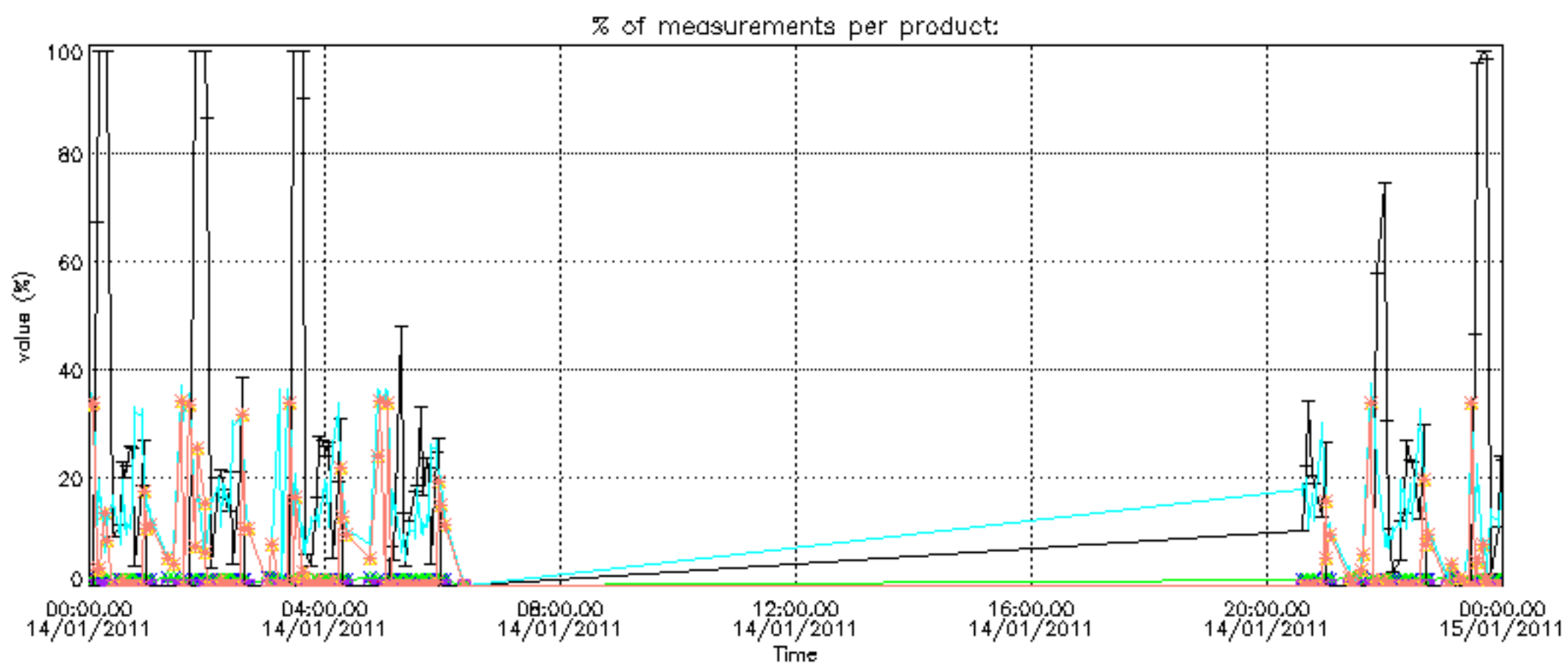
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	14-JAN-2011 00:02:03
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110111_101345_20110110_000000_20500101_000000	1	14-JAN-2011 00:02:03
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	14-JAN-2011 00:02:03
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	14-JAN-2011 00:02:03
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	14-JAN-2011 00:02:03
ECMWF_FILE	AUX_ECF_AXNECM20110113_052114_20110113_210000_20110114_090000	1	14-JAN-2011 00:02:03
ECMWF_FILE	AUX_ECF_AXNECM20110113_172132_20110114_030000_20110114_150000	42	14-JAN-2011 03:01:01
ECMWF_FILE	AUX_ECF_AXNECM20110114_052116_20110114_150000_20110115_030000	89	14-JAN-2011 20:36:42
ECMWF_FILE	AUX_ECF_AXNECM20110114_052116_20110114_210000_20110115_090000	104	14-JAN-2011 21:50:57
OPTIONAL_ECMWF_FILE	MISSING	1	14-JAN-2011 00:02:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110113_222311_000057383098_00259_46394_2320.N1	1	14-JAN-2011 00:02:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110114_000408_000057383098_00260_46395_2321.N1	3	14-JAN-2011 00:07:45
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110114_013946_000041443098_00261_46396_2322.N1	24	14-JAN-2011 01:44:26
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110114_025409_000060573098_00262_46397_2323.N1	42	14-JAN-2011 03:01:01
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110110_222114_20110110_192915_20110120_200253	65	14-JAN-2011 04:41:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110114_203128_000044633098_00273_46408_2325.N1	89	14-JAN-2011 20:36:42
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110114_215110_000054193098_00273_46408_2326.N1	104	14-JAN-2011 21:50:57
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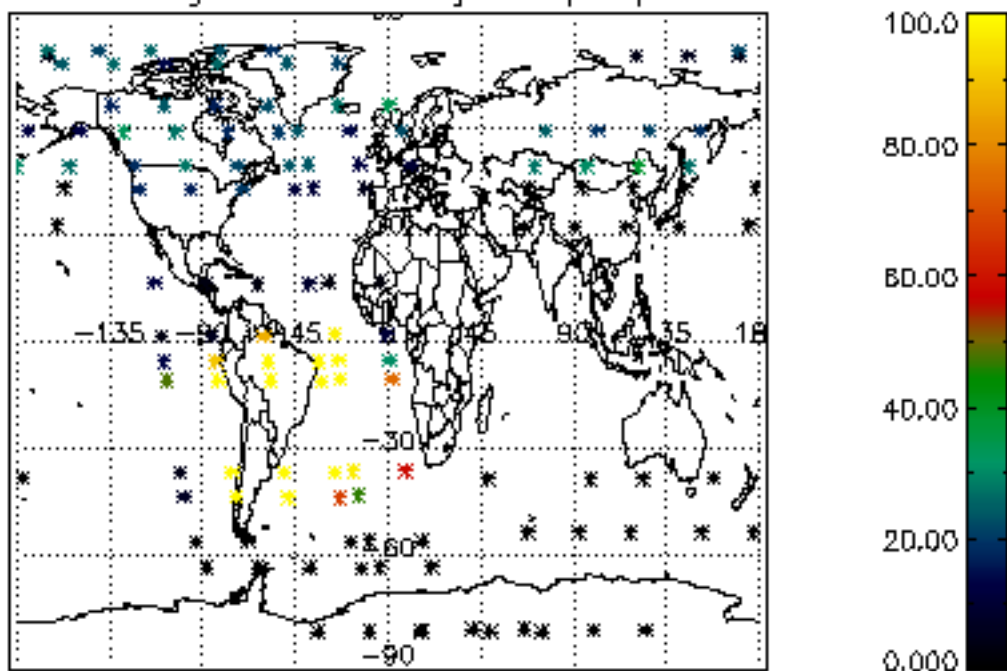




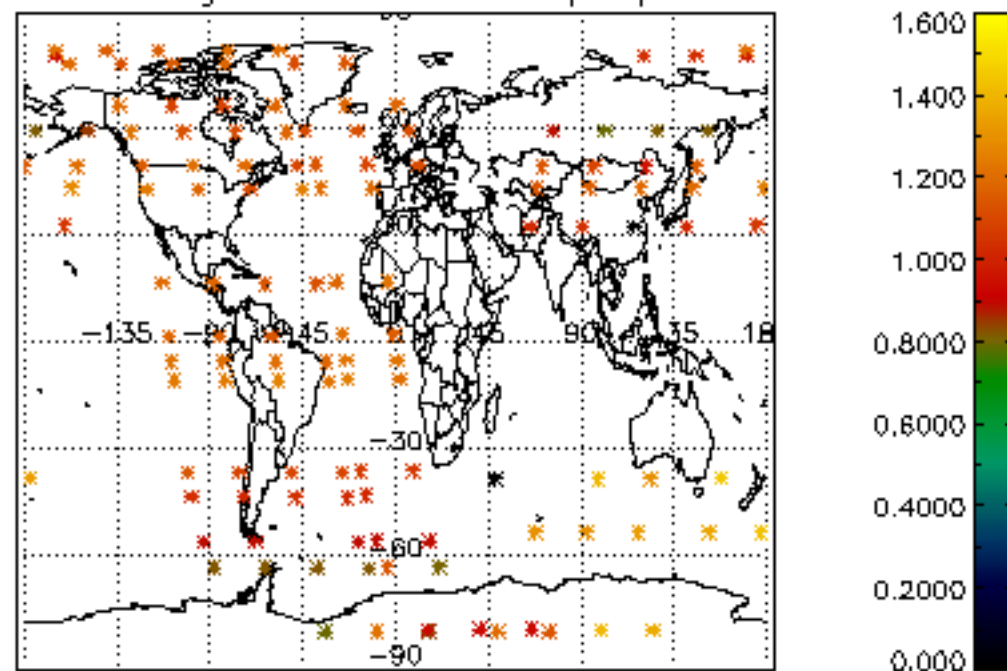




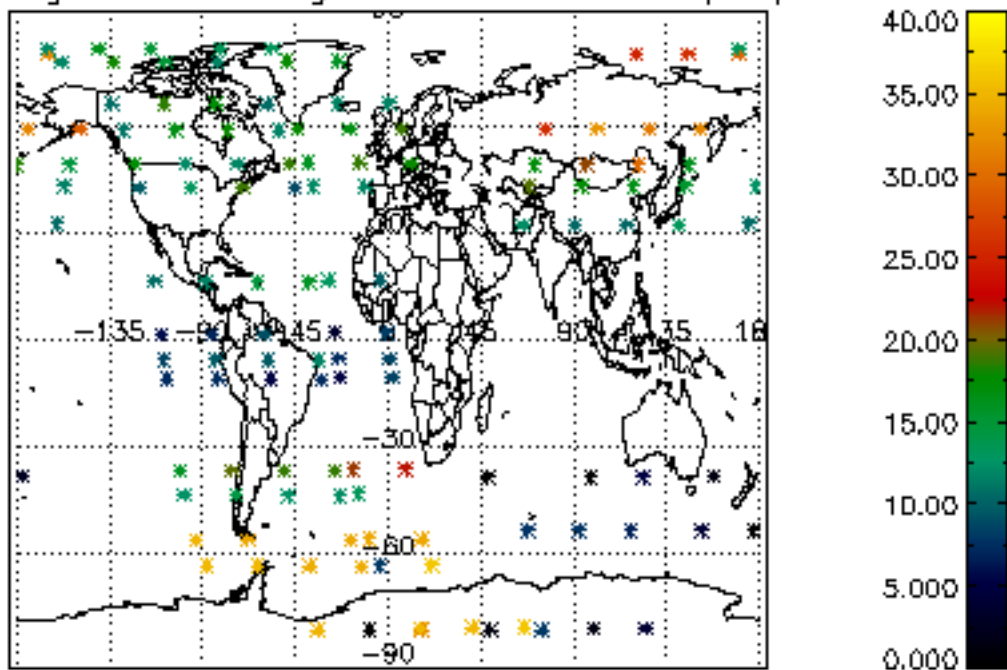
Percentage of cosmic ray hits per profile



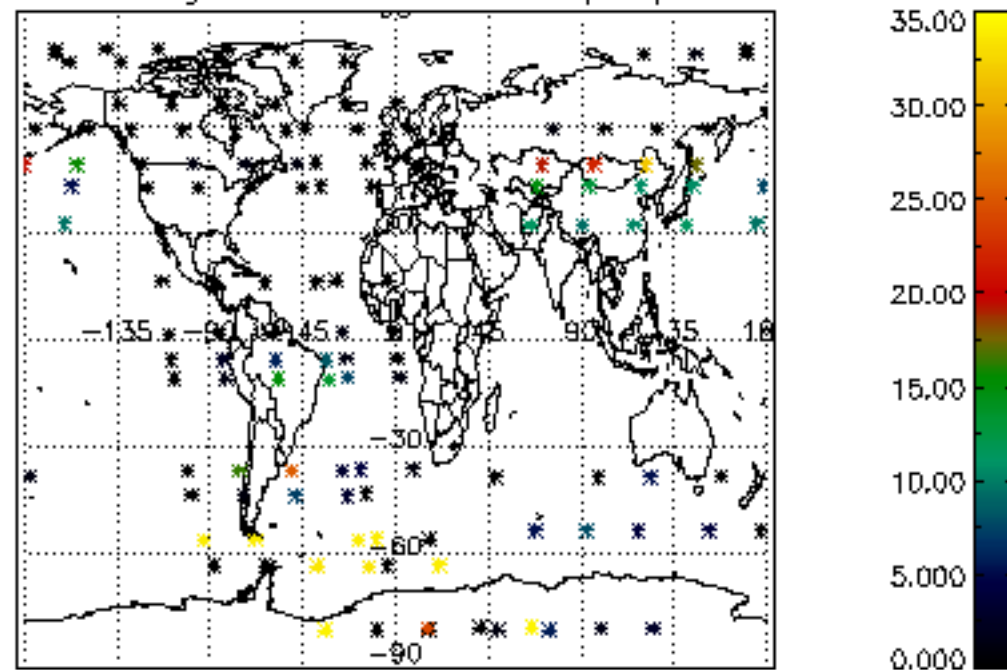
Percentage of datation errors per profile



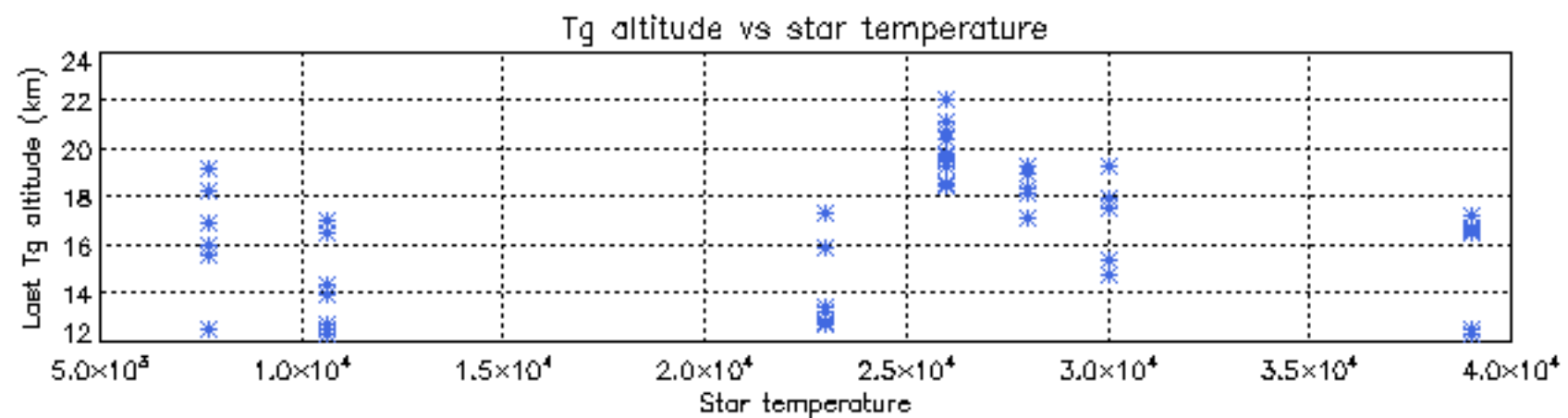
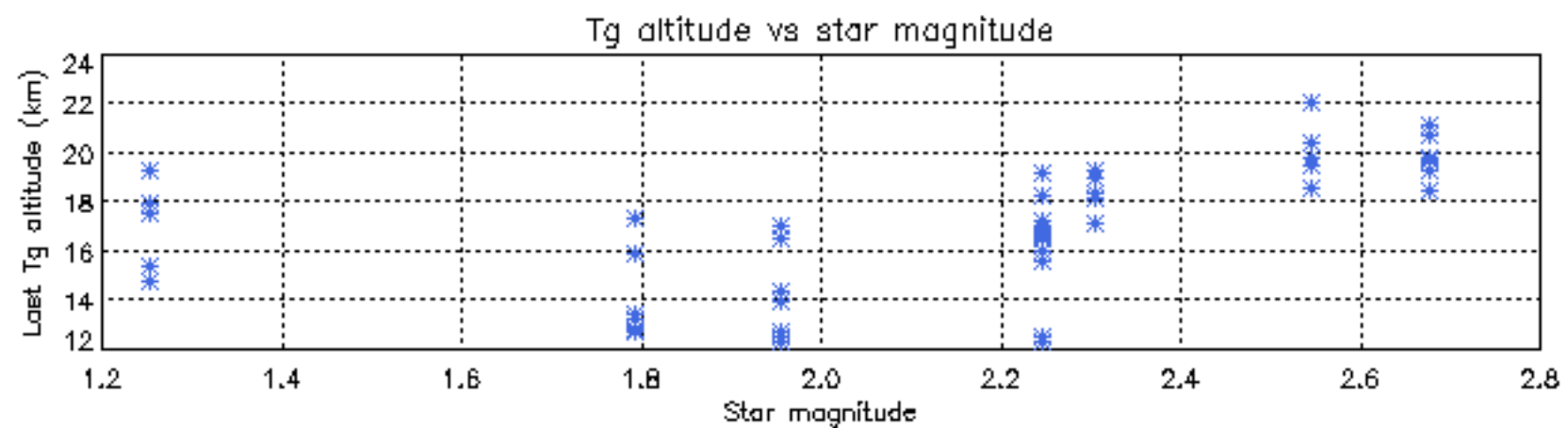
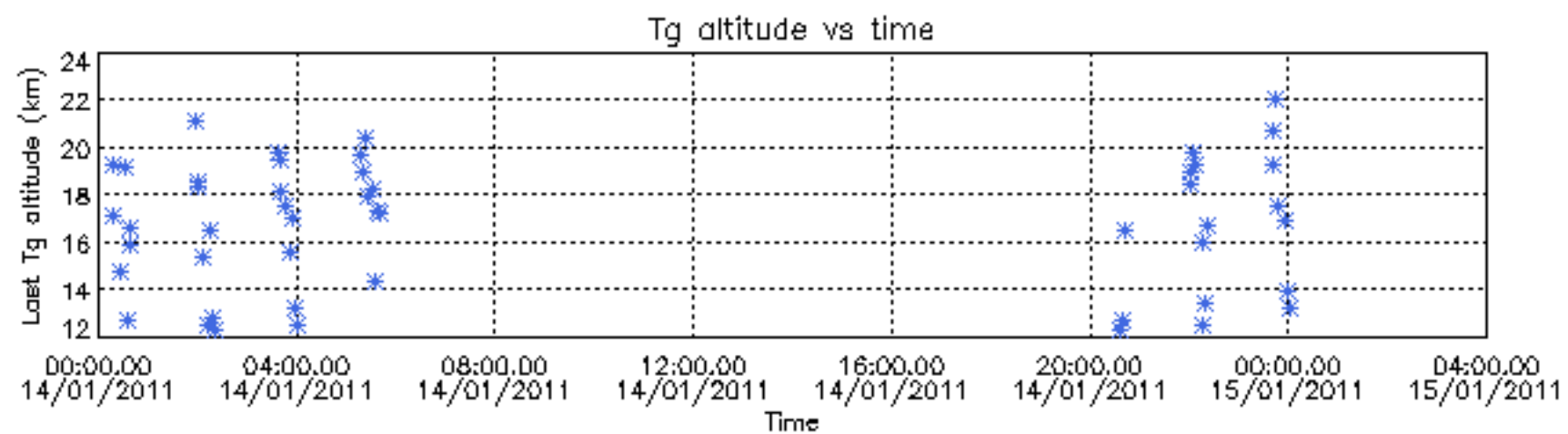
Percentage of star falling outside central band per profile



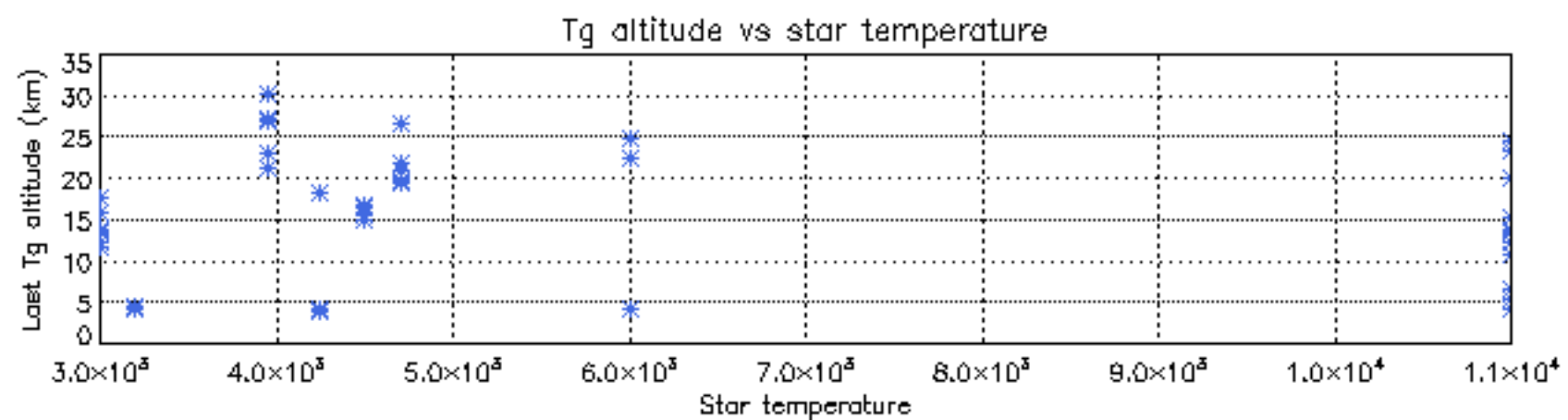
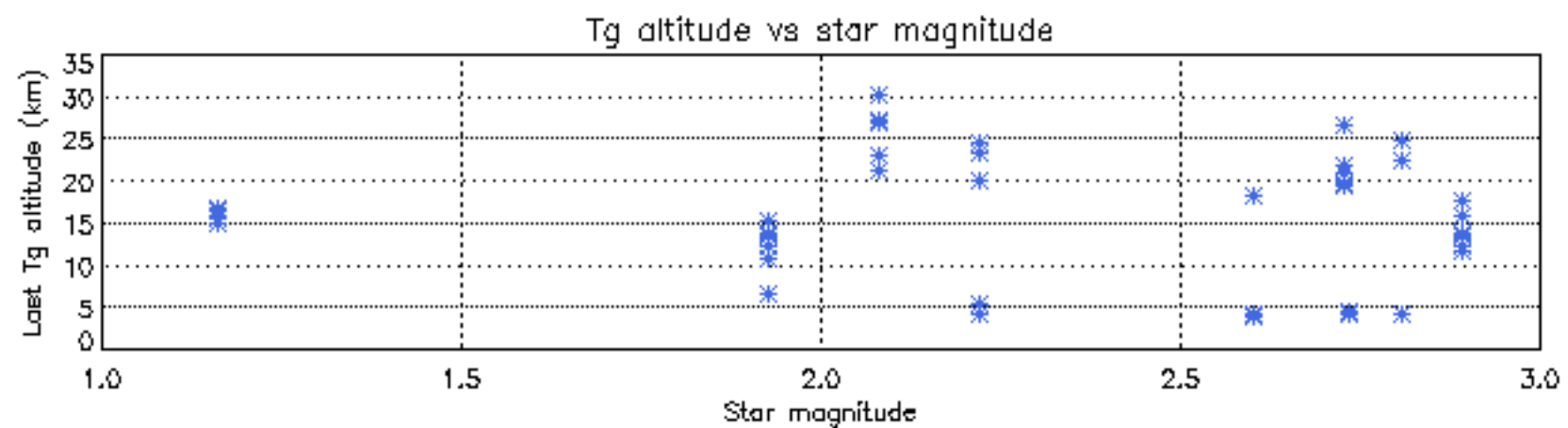
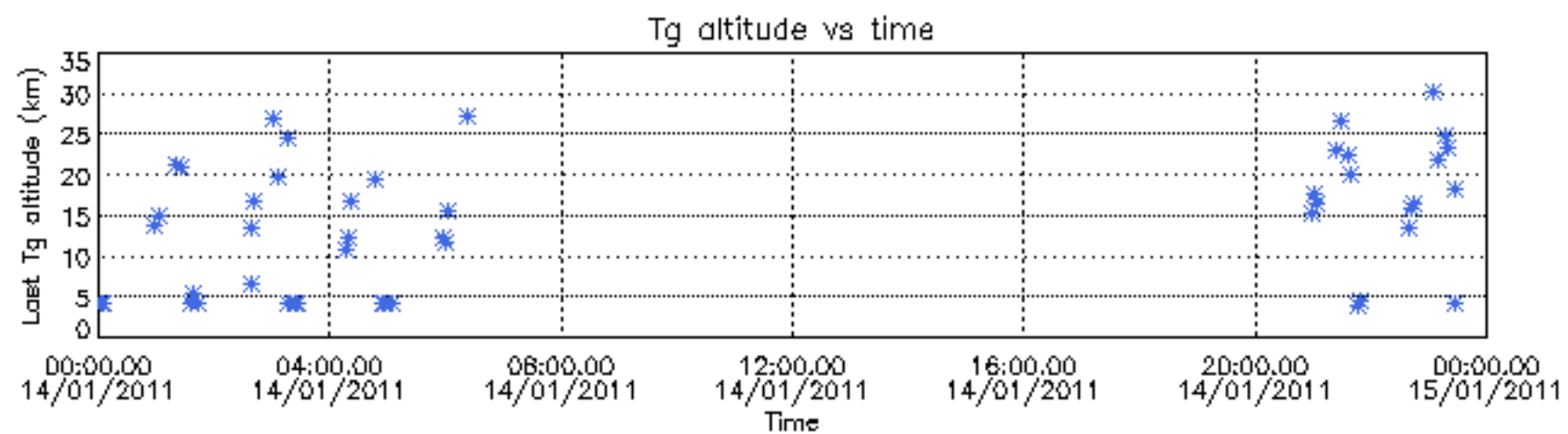
Percentage of saturation errors per profile

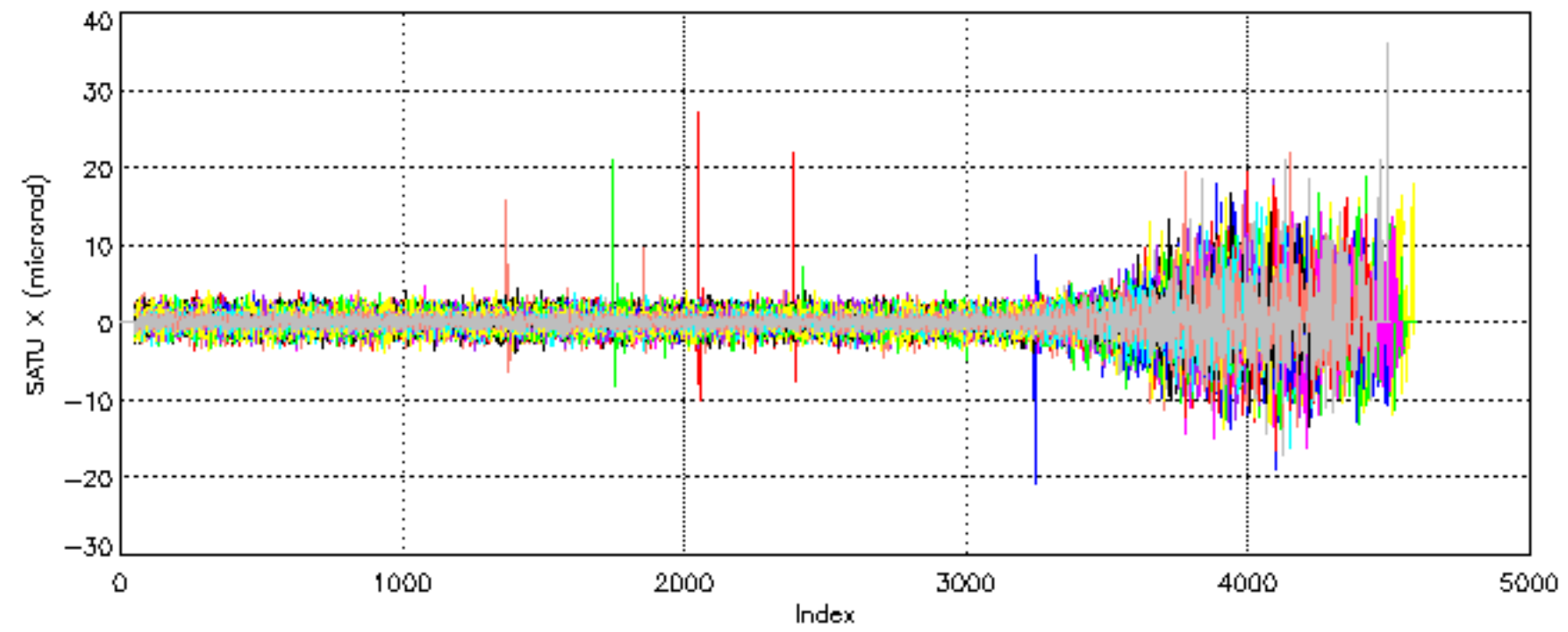


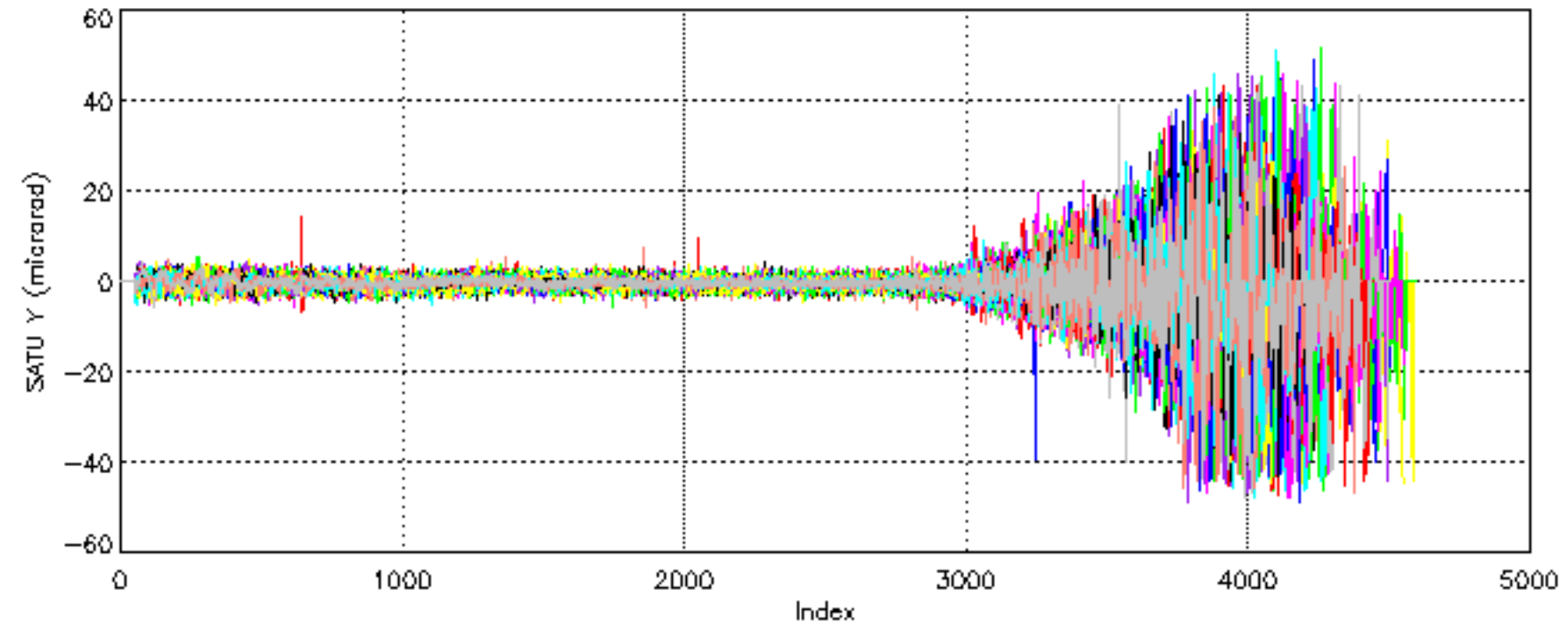
Tangent altitude at which the star is lost

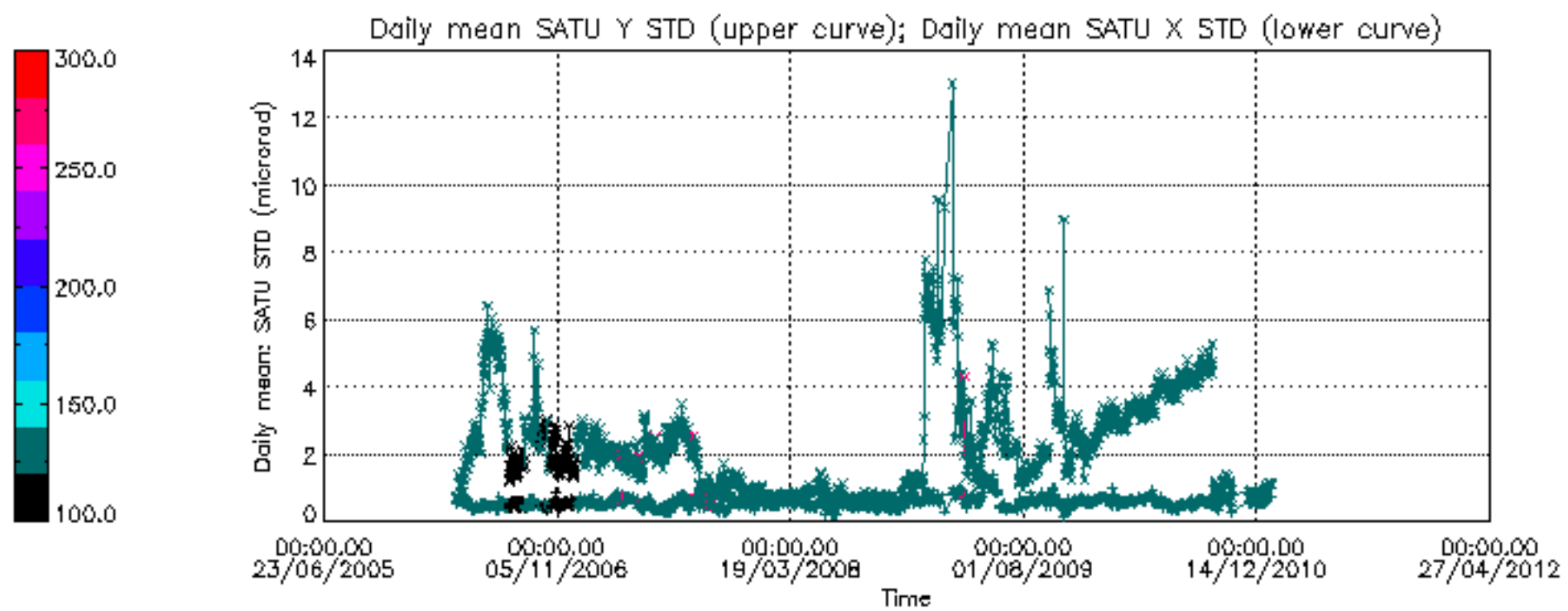


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110101_012508_000094163098_00074_46209_2000.N1

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2;	-272.2;	01-JAN-2011	01:32:00;	Dark	;	43.0;	54;	5The Cen	;	2.06;	4500;	occ;	86;	0;	46209
3;	-3.0;	01-JAN-2011	01:36:29;	Dark	;	40.5;	77;	Eps Cen	;	2.30;	28000;	occ;	81;	0;	46210
4;	102.2;	01-JAN-2011	01:38:14;	Dark	;	45.0;	64;	Gam Cen	;	2.20;	10600;	occ;	90;	0;	46210
5;	211.5;	01-JAN-2011	01:40:04;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	46210
6;	470.5;	01-JAN-2011	01:44:23;	Dark	;	48.0;	113;	Mu Vel	;	2.69;	5000;	occ;	96;	0;	46210
7;	623.9;	01-JAN-2011	01:46:56;	Dark	;	48.5;	71;	Iot Car	;	2.25;	7700;	occ;	97;	0;	46210
8;	738.0;	01-JAN-2011	01:48:50;	Dark	;	42.5;	46;	Del Vel	;	1.95;	10600;	occ;	85;	0;	46210
9;	908.3;	01-JAN-2011	01:51:41;	Dark	;	48.5;	34;	Gam2Vel	;	1.79;	23000;	occ;	97;	0;	46210
10;	1039.2;	01-JAN-2011	01:53:52;	Dark	;	49.5;	70;	Zet Pup	;	2.25;	39000;	occ;	99;	0;	46210
11;	1163.5;	01-JAN-2011	01:55:56;	Dark	;	49.0;	117;	Pi Pup	;	2.71;	3800;	occ;	98;	0;	46210
12;	1330.9;	01-JAN-2011	01:58:43;	Dark	;	47.0;	23;	21Eps CMa	;	1.50;	26000;	occ;	94;	0;	46210
13;	1423.0;	01-JAN-2011	02:00:15;	Dark	;	45.0;	179;	240mi2CMa	;	3.03;	24000;	occ;	90;	0;	46210
14;	1570.3;	01-JAN-2011	02:02:43;	Dark	;	53.0;	1;	9Alp CMa	;	-1.44;	11000;	occ;	106;	0;	46210
15;	1719.7;	01-JAN-2011	02:05:12;	Dark	;	42.5;	56;	53Kap Ori	;	2.07;	30000;	occ;	85;	0;	46210
16;	1869.3;	01-JAN-2011	02:07:42;	Dark	;	45.5;	30;	46Eps Ori	;	1.69;	30000;	occ;	91;	0;	46210
17;	2019.8;	01-JAN-2011	02:10:12;	Dark	;	55.0;	14;	58Alp Ori	;	0.87;	3000;	occ;	110;	0;	46210
18;	2214.1;	01-JAN-2011	02:13:26;	Dark	;	48.5;	44;	24Gam Gem	;	1.93;	11000;	occ;	97;	0;	46210
19;	2312.3;	01-JAN-2011	02:15:05;	Bright;	;	48.0;	151;	13Mu Gem	;	2.89;	3000;	occ;	96;	0;	46210
20;	2551.7;	01-JAN-2011	02:19:04;	Bright;	;	39.0;	107;	37The Aur	;	2.65;	11000;	occ;	78;	0;	46210
21;	2677.4;	01-JAN-2011	02:21:10;	Bright;	;	40.5;	6;	13Alp Aur	;	0.08;	3400;	occ;	81;	0;	46210
22;	3671.8;	01-JAN-2011	02:37:44;	Bright;	;	55.0;	60;	7Bet UMi	;	2.08;	3950;	occ;	110;	0;	46210
23;	3889.5;	01-JAN-2011	02:41:22;	Bright;	;	48.0;	32;	77Eps UMa	;	1.76;	11000;	occ;	96;	0;	46210
24;	4086.7;	01-JAN-2011	02:44:39;	Bright;	;	66.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	132;	0;	46210
25;	4331.1;	01-JAN-2011	02:48:43;	Bright;	;	40.0;	180;	27Gam Boo	;	3.04;	8000;	occ;	80;	0;	46210
26;	4552.2;	01-JAN-2011	02:52:24;	Bright;	;	62.0;	83;		;	2.38;	11000;	occ;	124;	0;	46210
27;	4747.8;	01-JAN-2011	02:55:40;	Bright;	;	54.0;	3;	16Alp Boo	;	-0.05;	4250;	occ;	108;	0;	46210
28;	4868.3;	01-JAN-2011	02:57:41;	Bright;	;	54.0;	102;	24Alp Ser	;	2.60;	4250;	occ;	108;	0;	46210
29;	5171.3;	01-JAN-2011	03:02:44;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	112;	0;	46210
30;	5330.2;	01-JAN-2011	03:05:23;	Dark	;	44.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	89;	0;	46210
31;	5742.5;	01-JAN-2011	03:12:15;	Dark	;	49.0;	54;	5The Cen	;	2.06;	4500;	occ;	98;	0;	46210
32;	5907.7;	01-JAN-2011	03:15:00;	Dark	;	40.0;	95;	Zet Cen	;	2.55;	26000;	occ;	80;	0;	46210
33;	6011.7;	01-JAN-2011	03:16:44;	Dark	;	39.5;	77;	Eps Cen	;	2.30;	28000;	occ;	79;	0;	46211
34;	6117.0;	01-JAN-2011	03:18:29;	Dark	;	45.0;	64;	Gam Cen	;	2.20;	10600;	occ;	90;	0;	46211
35;	6226.4;	01-JAN-2011	03:20:19;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	46211
36;	6485.7;	01-JAN-2011	03:24:38;	Dark	;	49.0;	113;	Mu Vel	;	2.69;	5000;	occ;	98;	0;	46211
37;	6638.6;	01-JAN-2011	03:27:11;	Dark	;	42.5;	71;	Iot Car	;	2.25;	7700;	occ;	85;	0;	46211
38;	6752.6;	01-JAN-2011	03:29:05;	Dark	;	45.0;	46;	Del Vel	;	1.95;	10600;	occ;	90;	0;	46211
39;	6923.2;	01-JAN-2011	03:31:56;	Dark	;	46.5;	34;	Gam2Vel	;	1.79;	23000;	occ;	93;	0;	46211
40;	7054.0;	01-JAN-2011	03:34:06;	Dark	;	45.5;	70;	Zet Pup	;	2.25;	39000;	occ;	91;	0;	46211
41;	7178.0;	01-JAN-2011	03:36:10;	Dark	;	47.0;	117;	Pi Pup	;	2.71;	3800;	occ;	94;	0;	46211
42;	7345.3;	01-JAN-2011	03:38:58;	Dark	;	46.0;	23;	21Eps CMa	;	1.50;	26000;	occ;	92;	0;	46211
43;	7437.3;	01-JAN-2011	03:40:30;	Dark	;	46.0;	179;	240mi2CMa	;	3.03;	24000;	occ;	92;	0;	46211
44;	7584.6;	01-JAN-2011	03:42:57;	Dark	;	53.0;	1;	9Alp CMa	;	-1.44;	11000;	occ;	106;	0;	46211
45;	7733.8;	01-JAN-2011	03:45:26;	Dark	;	44.0;	56;	53Kap Ori	;	2.07;	30000;	occ;	88;	0;	46211
46;	7883.6;	01-JAN-2011	03:47:56;	Dark	;	44.5;	30;	46Eps Ori	;	1.69;	30000;	occ;	89;	0;	46211
47;	8034.0;	01-JAN-2011	03:50:26;	Dark	;	55.0;	14;	58Alp Ori	;	0.87;	3000;	occ;	110;	0;	46211
48;	8228.0;	01-JAN-2011	03:53:40;	Dark	;	44.5;	44;	24Gam Gem	;	1.93;	11000;	occ;	89;	0;	46211
49;	8326.2;	01-JAN-2011	03:55:18;	Bright;	;	43.5;	151;	13Mu Gem	;	2.89;	3000;	occ;	87;	0;	46211
50;	8565.6;	01-JAN-2011	03:59:18;	Bright;	;	38.5;	107;	37The Aur	;	2.65;	11000;	occ;	77;	0;	46211
51;	8691.4;	01-JAN-2011	04:01:24;	Bright;	;	41.0;	6;	13Alp Aur	;	0.08;	3400;	occ;	82;	0;	46211

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1;	-2342.4;	01-JAN-2011	04:17:58;	Bright;	;	39.0;	60;	7Bet UMi	;	2.08;	3950;	occ;	78;	0;	46211
2;	-2124.9;	01-JAN-2011	04:21:36;	Bright;	;	47.5;	32;	77Eps UMa	;	1.76;	11000;	occ;	95;	0;	46211
3;	-1927.5;	01-JAN-2011	04:24:53;	Bright;	;	45.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	90;	0;	46211
4;	-1683.0;	01-JAN-2011	04:28:57;	Bright;	;	42.5;	180;	27Gam Boo	;	3.04;	8000;	occ;	85;	0;	46211
5;	-1461.7;	01-JAN-2011	04:32:39;	Bright;	;	44.0;	83;		;	2.38;	11000;	occ;	88;	0;	46211
6;	-1265.7;	01-JAN-2011	04:35:55;	Bright;	;	54.0;	3;	16Alp Boo	;	-0.05;	4250;	occ;	108;	0;	46211
7;	-1145.5;	01-JAN-2011	04:37:55;	Bright;	;	54.0;	102;	24Alp Ser	;	2.60;	4250;	occ;	108;	0;	46211
8;	-842.3;	01-JAN-2011	04:42:58;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	112;	0;	46211
9;	-683.2;	01-JAN-2011	04:45:37;	Dark	;	45.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	91;	0;	46211
10;	-270.8;	01-JAN-2011	04:52:30;	Dark	;	47.0;	54;	5The Cen	;	2.06;	4500;	occ;	94;	0;	46211
11;	-105.9;	01-JAN-2011	04:55:15;	Dark	;	41.5;	95;	Zet Cen	;	2.55;	26000;	occ;	83;	0;	46211
12;	-1.7;	01-JAN-2011	04:56:59;	Dark	;	40.0;	77;	Eps Cen	;	2.30;	28000;	occ;	80;	0;	46212
13;	103.9;	01-JAN-2011	04:58:44;	Dark	;	44.0;	64;	Gam Cen	;	2.20;	10600;	occ;	88;	0;	46212
14;	213.3;	01-JAN-2011	05:00:34;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	46212
15;	472.3;	01-JAN-2011	05:04:53;	Dark	;	48.5;	113;	Mu Vel	;	2.69;	5000;	occ;	97;	0;	46212


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16; 625.1; 01-JAN-2011 05:07:26; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;46212
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19; 1040.6; 01-JAN-2011 05:14:21; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;46212
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25; 1869.6; 01-JAN-2011 05:28:10; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;46212
26; 2019.7; 01-JAN-2011 05:30:40; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;46212
27; 2213.8; 01-JAN-2011 05:33:54; Dark ; 52.5; 44; 24Gam Gem ; 1.93; 11000;occ; 105; 0;46212
28; 2312.0; 01-JAN-2011 05:35:32; Bright; 60.0; 151; 13Mu Gem ; 2.89; 3000;occ; 120; 0;46212
29; 2551.3; 01-JAN-2011 05:39:32; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46212
30; 2677.3; 01-JAN-2011 05:41:38; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;46212
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3; 1167.5; 01-JAN-2011 20:18:34; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;46221
4; 1333.8; 01-JAN-2011 20:21:21; Dark ; 48.0; 23; 21Eps CMA ; 1.50; 26000;occ; 96; 0;46221
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7; 1720.8; 01-JAN-2011 20:27:48; Dark ; 44.0; 56; 53Kap Ori ; 2.07; 30000;occ; 88; 0;46221
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9; 2019.3; 01-JAN-2011 20:32:46; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;46221
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11; 2309.2; 01-JAN-2011 20:37:36; Bright; 45.0; 151; 13Mu Gem ; 2.89; 3000;occ; 90; 0;46221
12; 2549.2; 01-JAN-2011 20:41:36; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;46221
13; 2676.5; 01-JAN-2011 20:43:43; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;46221
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19; 4752.6; 01-JAN-2011 21:18:19; Bright; 54.5; 3; 16Alp Boo ; -0.05; 4250;occ; 109; 0;46221
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9; 630.4; 01-JAN-2011 21:49:51; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;46222
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11; 914.6; 01-JAN-2011 21:54:35; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;46222
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 28; 7179.8; 01-JAN-2011 11:57:22; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;46216
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 16; 5174.0; 01-JAN-2011 13:04:11; Bright; 56.0; 104; 27Bet Lib ; 2.61; 13100;occ; 112; 0;46216
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 25; 6755.9; 01-JAN-2011 13:30:32; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;46217
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 13; 4331.4; 01-JAN-2011 14:30:22; Bright; 43.5; 180; 27Gam Boo ; 3.04; 8000;occ; 87; 0;46217
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 17; 5174.5; 01-JAN-2011 14:44:25; Bright; 56.0; 104; 27Bet Lib ; 2.61; 13100;occ; 112; 0;46217
 18; 5334.6; 01-JAN-2011 14:47:05; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;46217
 19; 5747.6; 01-JAN-2011 14:53:58; Dark ; 53.5; 54; 5The Cen ; 2.06; 4500;occ; 107; 0;46217

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 29; 7180.4; 01-JAN-2011 15:17:51; Dark ; 44.0; 117; Pi Pup ; 2.71; 3800;occ; 88; 0;46218
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 22; 6016.3; 01-JAN-2011 16:38:41; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;46219
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 25; 6933.7; 02-JAN-2011 14:37:00; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;46232
 26; 7064.5; 02-JAN-2011 14:39:11; Dark ; 45.5; 70; Zet Pup ; 2.25; 39000;occ; 91; 0;46232
 27; 7185.5; 02-JAN-2011 14:41:12; Dark ; 48.5; 117; Pi Pup ; 2.71; 3800;occ; 97; 0;46232
 28; 7350.9; 02-JAN-2011 14:43:58; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;46232

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 5; 2207.3; 02-JAN-2011 14:58:28; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;46232
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 11; 4082.0; 02-JAN-2011 15:29:43; Bright; 45.0; 39; 85Eta UMa ; 1.85; 24000;occ; 90; 0;46232
 12; 4331.7; 02-JAN-2011 15:33:53; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;46232
 13; 4556.9; 02-JAN-2011 15:37:38; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;46232
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 16; 5181.6; 02-JAN-2011 15:48:02; Bright; 57.0; 104; 27Bet Lib ; 2.61; 13100;occ; 114; 0;46232
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 22; 6246.9; 02-JAN-2011 16:05:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46233
 23; 6505.0; 02-JAN-2011 16:10:06; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;46233
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 25; 6764.5; 02-JAN-2011 16:14:25; Dark ; 48.5; 46; Del Vel ; 1.95; 10600;occ; 97; 0;46233
 26; 6934.3; 02-JAN-2011 16:17:15; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;46233
 27; 7065.1; 02-JAN-2011 16:19:26; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;46233
 28; 7185.9; 02-JAN-2011 16:21:27; Dark ; 48.5; 117; Pi Pup ; 2.71; 3800;occ; 97; 0;46233

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 4; 13.2; 03-JAN-2011 00:23:18; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;46238
 5; 125.0; 03-JAN-2011 00:25:10; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;46238
 6; 237.5; 03-JAN-2011 00:27:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46238
 7; 495.2; 03-JAN-2011 00:31:20; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46238
 8; 638.7; 03-JAN-2011 00:33:44; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;46238
 9; 752.9; 03-JAN-2011 00:35:38; Dark ; 45.0; 46; Del Vel ; 1.95; 10600;occ; 90; 0;46238
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 12; 1173.5; 03-JAN-2011 00:42:38; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;46238
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 14; 1429.0; 03-JAN-2011 00:46:54; Dark ; 38.0; 179; 240mi2CMA ; 3.03; 24000;occ; 76; 0;46238
 15; 1573.7; 03-JAN-2011 00:49:19; Dark ; 54.0; 1; 9Alp CMA ; -1.44; 11000;occ; 108; 0;46238
 16; 2018.5; 03-JAN-2011 00:56:43; Dark ; 50.0; 14; 58Alp Ori ; 0.87; 3000;occ; 100; 0;46238
 17; 2205.4; 03-JAN-2011 00:59:50; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;46238
 18; 2304.3; 03-JAN-2011 01:01:29; Bright; 50.5; 151; 13Mu Gem ; 2.89; 3000;occ; 101; 0;46238
 19; 2545.0; 03-JAN-2011 01:05:30; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;46238
 20; 2675.3; 03-JAN-2011 01:07:40; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;46238
 21; 3669.0; 03-JAN-2011 01:24:14; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;46238
 22; 3877.4; 03-JAN-2011 01:27:42; Bright; 49.0; 32; 77Eps UMa ; 1.76; 11000;occ; 98; 0;46238
 23; 4080.5; 03-JAN-2011 01:31:05; Bright; 44.5; 39; 85Eta UMa ; 1.85; 24000;occ; 89; 0;46238
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 25; 4558.0; 03-JAN-2011 01:39:03; Bright; 64.0; 83; ; 2.38; 11000;occ; 128; 0;46238
 26; 4760.2; 03-JAN-2011 01:42:25; Bright; 56.5; 3; 16Alp Boo ; -0.05; 4250;occ; 113; 0;46238
 27; 4877.0; 03-JAN-2011 01:44:22; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;46238
 28; 5184.4; 03-JAN-2011 01:49:29; Bright; 32.5; 104; 27Bet Lib ; 2.61; 13100;occ; 65; 0;46238

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 4; -88.9; 03-JAN-2011 02:01:50; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;46238
 5; 13.8; 03-JAN-2011 02:03:33; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;46239
 6; 125.8; 03-JAN-2011 02:05:25; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;46239
 7; 238.4; 03-JAN-2011 02:07:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46239
 8; 496.2; 03-JAN-2011 02:11:35; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;46239
 9; 639.3; 03-JAN-2011 02:13:58; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;46239
 10; 753.4; 03-JAN-2011 02:15:52; Dark ; 46.0; 46; Del Vel ; 1.95; 10600;occ; 92; 0;46239
 11; 923.1; 03-JAN-2011 02:18:42; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;46239
 12; 1053.9; 03-JAN-2011 02:20:53; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;46239
 13; 1173.8; 03-JAN-2011 02:22:53; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;46239
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 15; 1429.5; 03-JAN-2011 02:27:08; Dark ; 43.5; 179; 240mi2CMA ; 3.03; 24000;occ; 87; 0;46239
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 17; 2018.5; 03-JAN-2011 02:36:57; Dark ; 49.5; 14; 58Alp Ori ; 0.87; 3000;occ; 99; 0;46239
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 21; 2675.2; 03-JAN-2011 02:47:54; Bright; 40.0; 6; 13Alp Aur ; 0.08; 3400;occ; 80; 0;46239

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 2; -2137.0; 03-JAN-2011 03:07:56; Bright; 49.5; 32; 77Eps UMa ; 1.76; 11000;occ; 99; 0;46239
 3; -1933.7; 03-JAN-2011 03:11:19; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;46239
 4; -1682.3; 03-JAN-2011 03:15:31; Bright; 62.0; 180; 27Gam Boo ; 3.04; 8000;occ; 124; 0;46239
 5; -1455.8; 03-JAN-2011 03:19:17; Bright; 64.0; 83; ; 2.38; 11000;occ; 128; 0;46239
 6; -1253.3; 03-JAN-2011 03:22:40; Bright; 56.5; 3; 16Alp Boo ; -0.05; 4250;occ; 113; 0;46239
 7; -1136.8; 03-JAN-2011 03:24:36; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;46239
 8; -829.1; 03-JAN-2011 03:29:44; Bright; 57.0; 104; 27Bet Lib ; 2.61; 13100;occ; 114; 0;46239
 9; -665.9; 03-JAN-2011 03:32:27; Dark ; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;46239
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 11; -88.0; 03-JAN-2011 03:42:05; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;46239
 12; 14.6; 03-JAN-2011 03:43:48; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;46240
 13; 126.9; 03-JAN-2011 03:45:40; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;46240
 14; 239.3; 03-JAN-2011 03:47:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46240
 15; 497.1; 03-JAN-2011 03:51:50; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;46240
 16; 639.8; 03-JAN-2011 03:54:13; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;46240

17; 754.1; 03-JAN-2011 03:56:07; Dark ; 45.5; 46; Del Vel ; 1.95; 10600;occ; 91; 0;46240
 18; 923.7; 03-JAN-2011 03:58:57; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;46240
 19; 1054.3; 03-JAN-2011 04:01:07; Dark ; 45.5; 70; Zet Pup ; 2.25; 39000;occ; 91; 0;46240
 20; 1174.3; 03-JAN-2011 04:03:07; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;46240
 21; 1339.1; 03-JAN-2011 04:05:52; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;46240
 22; 1429.7; 03-JAN-2011 04:07:23; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;46240
 23; 1574.2; 03-JAN-2011 04:09:47; Dark ; 49.5; 1; 9Alp CMa ; -1.44; 11000;occ; 99; 0;46240
 24; 2018.9; 03-JAN-2011 04:17:12; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;46240
 25; 2205.2; 03-JAN-2011 04:20:18; Dark ; 44.0; 44; 24Gam Gem ; 1.93; 11000;occ; 88; 0;46240
 26; 2303.9; 03-JAN-2011 04:21:57; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;46240
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 28; 2675.5; 03-JAN-2011 04:28:08; Bright; 40.5; 6; 13Alp Aur ; 0.08; 3400;occ; 81; 0;46240
 29; 3668.8; 03-JAN-2011 04:44:42; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;46240

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 3; -1933.9; 03-JAN-2011 04:51:33; Bright; 68.0; 39; 85Eta UMa ; 1.85; 24000;occ; 136; 0;46240
 4; -1682.2; 03-JAN-2011 04:55:45; Bright; 64.0; 180; 27Gam Boo ; 3.04; 8000;occ; 128; 0;46240
 5; -1455.6; 03-JAN-2011 04:59:31; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;46240
 6; -1252.9; 03-JAN-2011 05:02:54; Bright; 57.0; 3; 16Alp Boo ; -0.05; 4250;occ; 114; 0;46240
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 8; -828.6; 03-JAN-2011 05:09:58; Bright; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;46240
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 13; 127.7; 03-JAN-2011 05:25:55; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;46241
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 19; 1054.7; 03-JAN-2011 05:41:22; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;46241
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 21; 1339.1; 03-JAN-2011 05:46:06; Dark ; 47.5; 23; 21Eps CMa ; 1.50; 26000;occ; 95; 0;46241
 22; 1429.9; 03-JAN-2011 05:47:37; Dark ; 45.0; 179; 240mi2CMa ; 3.03; 24000;occ; 90; 0;46241
 23; 1574.4; 03-JAN-2011 05:50:01; Dark ; 55.5; 1; 9Alp CMa ; -1.44; 11000;occ; 111; 0;46241
 24; 2018.7; 03-JAN-2011 05:57:26; Dark ; 49.0; 14; 58Alp Ori ; 0.87; 3000;occ; 98; 0;46241
 25; 2204.9; 03-JAN-2011 06:00:32; Dark ; 51.0; 44; 24Gam Gem ; 1.93; 11000;occ; 102; 0;46241
 26; 2303.9; 03-JAN-2011 06:02:11; Bright; 54.0; 151; 13Mu Gem ; 2.89; 3000;occ; 108; 0;46241
 27; 2544.6; 03-JAN-2011 06:06:12; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;46241
 28; 2677.0; 03-JAN-2011 06:08:24; Bright; 39.5; 6; 13Alp Aur ; 0.08; 3400;occ; 79; 0;46241
 29; 3668.7; 03-JAN-2011 06:24:56; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46241

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 5; 1431.9; 03-JAN-2011 20:49:45; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;46250
 6; 1575.4; 03-JAN-2011 20:52:09; Dark ; 53.5; 1; 9Alp CMa ; -1.44; 11000;occ; 107; 0;46250
 7; 2018.4; 03-JAN-2011 20:59:32; Dark ; 49.0; 14; 58Alp Ori ; 0.87; 3000;occ; 98; 0;46250
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 7; 217.6; 07-JAN-2011 21:23:04; Dark ; 44.0; 20; Bet Cru ; 1.25; 30000;occ; 88; 0;46308
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 5; 218.1; 07-JAN-2011 23:03:18; Dark ; 41.5; 20; Bet Cru ; 1.25; 30000;occ; 83; 0;46309
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