

GOMOS Daily Report 13-NOV-2009

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	20NOV2009 05:26:29
Data source version	GOMOS/5.00L03
Start time of products	13NOV2009 01:11:37
Stop time of products	13NOV2009 23:58:47
Store outputs in DB	Yes
Nb of level 1b prods	100
Nb of prods with errors	0

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

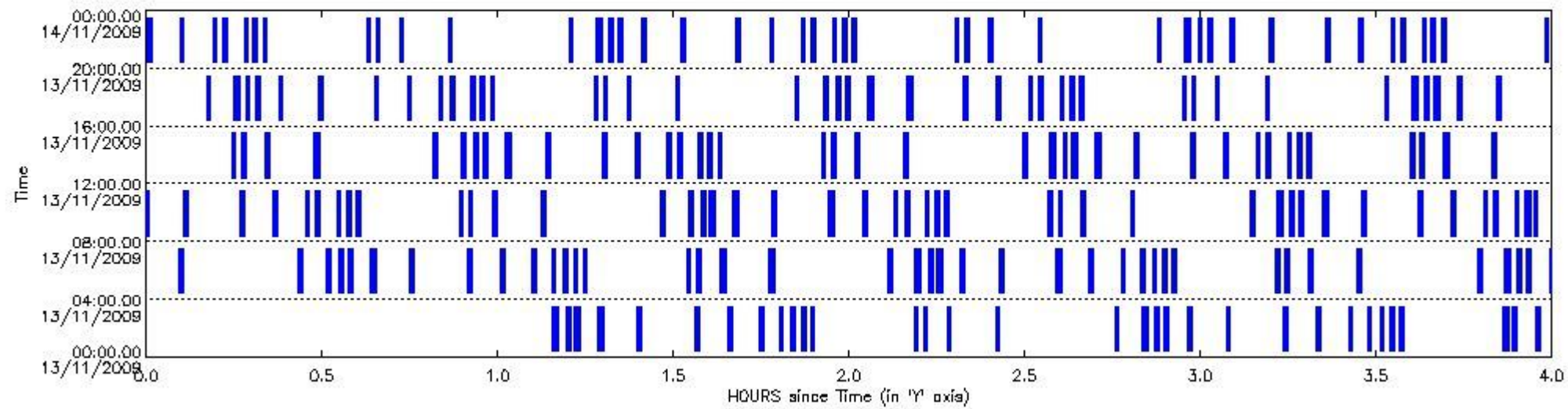
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

No missing products.

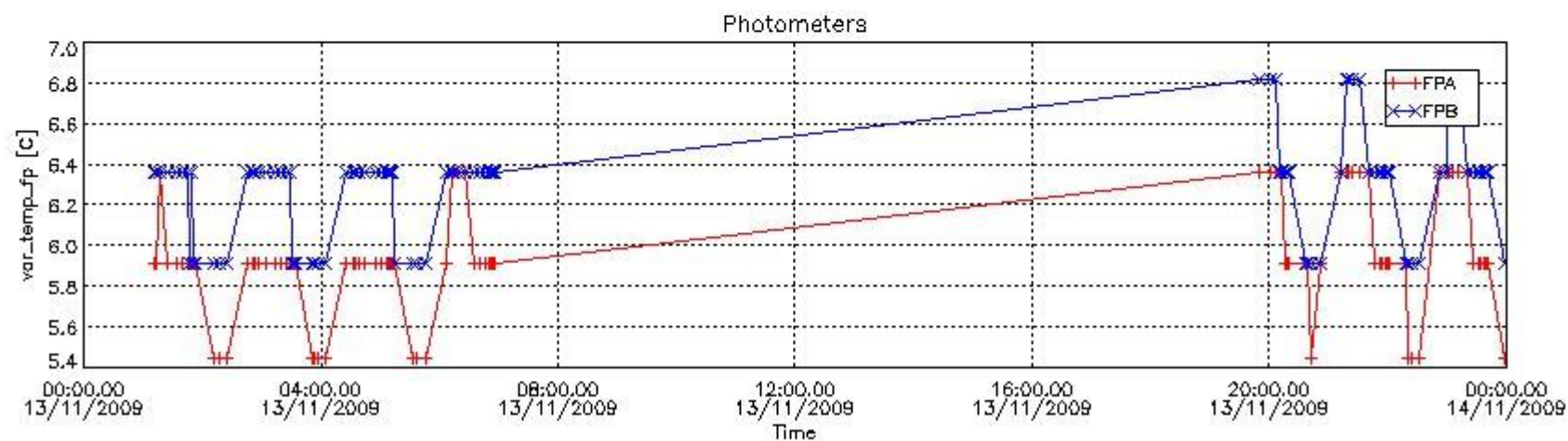
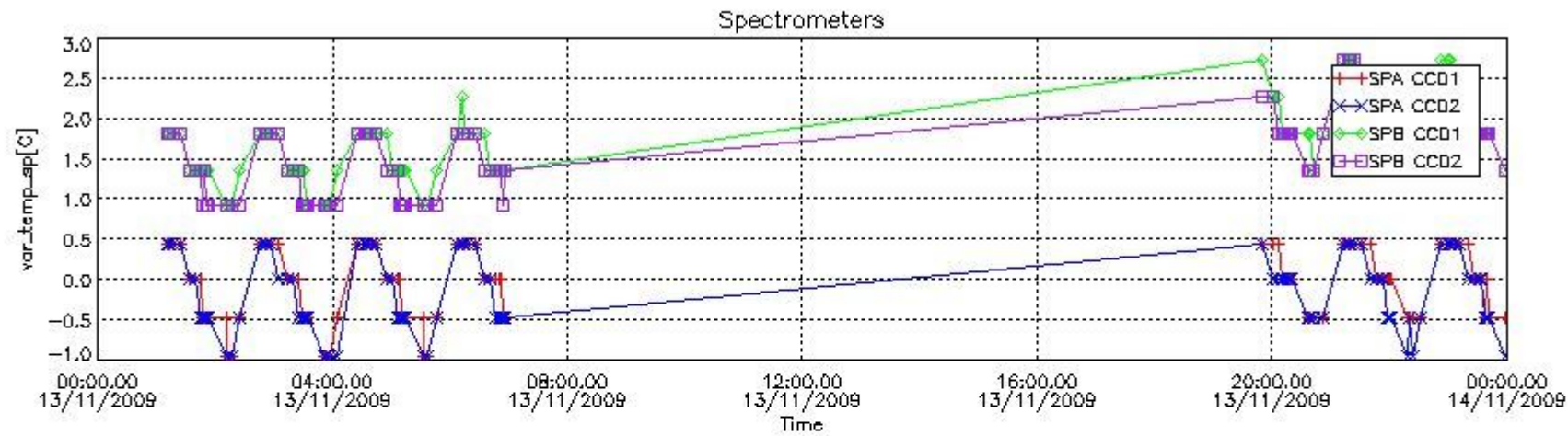
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20091113_011137_000000502084_00146_40280_3377.N1	13-NOV-2009 01:11:37	Dark	50.000	41	Eps Car	1.8600	4100.0	100	40280	No
2	GOM_TRA_1PNPDE20091113_011305_000000562084_00146_40280_3378.N1	13-NOV-2009 01:13:05	Dark	56.000	70	Zet Pup	2.2460	39000.	112	40280	No
3	GOM_TRA_1PNPDE20091113_011705_000000592084_00146_40280_3379.N1	13-NOV-2009 01:17:05	Dark	59.000	2	Alp Car	-0.73600	7000.0	118	40280	No
4	GOM_TRA_1PNPDE20091113_012348_000000432084_00146_40280_3380.N1	13-NOV-2009 01:23:48	Dark	43.000	108	Alp Col	2.6520	15200.	86	40280	No
5	GOM_TRA_1PNPDE20091113_013332_000000532084_00146_40280_3381.N1	13-NOV-2009 01:33:32	Straylight	53.000	165	34Gam Eri	2.9500	3200.0	106	40280	No
6	GOM_TRA_1PNPDE20091113_013912_000000482084_00146_40280_3382.N1	13-NOV-2009 01:39:12	Twilight_and_stray	48.000	94	92Alp Cet	2.5260	3100.0	96	40280	No
7	GOM_TRA_1PNPDE20091113_014442_000000392084_00146_40280_3383.N1	13-NOV-2009 01:44:42	Bright	38.500	50	13Alp Ari	2.0070	4250.0	77	40280	No
8	GOM_TRA_1PNPDE20091113_014800_000000362084_00146_40280_3384.N1	13-NOV-2009 01:48:00	Bright	36.000	173	4Bet Tri	3.0040	8900.0	72	40280	No
9	GOM_TRA_1PNPDE20091113_015004_000000372084_00146_40280_3385.N1	13-NOV-2009 01:50:04	Bright	36.500	73	57Gam1And	2.2600	13100.	73	40280	No
10	GOM_TRA_1PNPDE20091113_015146_000000542084_00146_40280_3386.N1	13-NOV-2009 01:51:46	Bright	53.500	149	45Eps Per	2.8880	30000.	107	40280	No
11	GOM_TRA_1PNPDE20091113_015324_000000412084_00146_40280_3387.N1	13-NOV-2009 01:53:24	Bright	41.000	35	33Alp Per	1.7950	6250.0	82	40280	No
12	GOM_TRA_1PNPDE20091113_021103_000000412084_00146_40280_3388.N1	13-NOV-2009 02:11:03	Bright	40.500	36	50Alp UMa	1.8000	6300.0	81	40280	No

13	GOM_TRA_1PNPDE20091113_021241_000000402084_00146_40280_3389.N1	13-NOV-2009 02:12:41	Bright	40.000	82	48Bet UMa	2.3650	10600.	80	40280	No
14	GOM_TRA_1PNPDE20091113_021639_000000412084_00146_40280_3386.N1	13-NOV-2009 02:16:39	Bright	40.500	174	52Psi UMa	3.0040	4400.0	81	40280	No
15	GOM_TRA_1PNPDE20091113_022500_000000442084_00146_40280_3387.N1	13-NOV-2009 02:25:00	Bright	43.500	96	68Del Leo	2.5600	9300.0	87	40280	No
16	GOM_TRA_1PNPDE20091113_024523_000000392084_00146_40280_3388.N1	13-NOV-2009 02:45:23	Dark	38.500	113	Mu Vel	2.6920	5000.0	77	40280	No
17	GOM_TRA_1PNPDE20091113_025213_000000422084_00147_40281_3389.N1	13-NOV-2009 02:52:13	Dark	42.000	41	Eps Car	1.8600	4100.0	84	40281	No
18	GOM_TRA_1PNPDE20091113_025342_000000552084_00147_40281_3390.N1	13-NOV-2009 02:53:42	Dark	55.000	70	Zet Pup	2.2460	39000.	110	40281	No
19	GOM_TRA_1PNPDE20091113_025742_000000452084_00147_40281_3391.N1	13-NOV-2009 02:57:42	Dark	45.000	2	Alp Car	-0.73600	7000.0	90	40281	No
20	GOM_TRA_1PNPDE20091113_030424_000000432084_00147_40281_3392.N1	13-NOV-2009 03:04:24	Dark	43.000	108	Alp Col	2.6520	15200.	86	40281	No
21	GOM_TRA_1PNPDE20091113_031408_000000532084_00147_40281_3393.N1	13-NOV-2009 03:14:08	Straylight	52.500	165	34Gam Eri	2.9500	3200.0	105	40281	No
22	GOM_TRA_1PNPDE20091113_031948_000000472084_00147_40281_3394.N1	13-NOV-2009 03:19:48	Tw_i_and_stray	46.500	94	92Alp Cet	2.5260	3100.0	93	40281	No
23	GOM_TRA_1PNPDE20091113_032518_000000402084_00147_40281_3395.N1	13-NOV-2009 03:25:18	Bright	39.500	50	13Alp Ari	2.0070	4250.0	79	40281	No
24	GOM_TRA_1PNPDE20091113_032836_000000372084_00147_40281_3396.N1	13-NOV-2009 03:28:36	Bright	37.000	173	4Bet Tri	3.0040	8900.0	74	40281	No
25	GOM_TRA_1PNPDE20091113_033040_000000372084_00147_40281_3397.N1	13-NOV-2009 03:30:40	Bright	36.500	73	57Gam1And	2.2600	13100.	73	40281	No
26	GOM_TRA_1PNPDE20091113_033221_000000452084_00147_40281_3398.N1	13-NOV-2009 03:32:21	Bright	44.500	149	45Eps Per	2.8880	30000.	89	40281	No
27	GOM_TRA_1PNPDE20091113_033400_000000382084_00147_40281_3399.N1	13-NOV-2009 03:34:00	Bright	38.000	35	33Alp Per	1.7950	6250.0	76	40281	No
28	GOM_TRA_1PNPDE20091113_035138_000000582084_00147_40281_3394.N1	13-NOV-2009 03:51:38	Bright	58.000	36	50Alp UMa	1.8000	6300.0	116	40281	No
29	GOM_TRA_1PNPDE20091113_035317_000000412084_00147_40281_3395.N1	13-NOV-2009 03:53:17	Bright	41.000	82	48Bet UMa	2.3650	10600.	82	40281	No
30	GOM_TRA_1PNPDE20091113_035715_000000542084_00147_40281_3396.N1	13-NOV-2009 03:57:15	Bright	54.000	174	52Psi UMa	3.0040	4400.0	108	40281	No
31	GOM_TRA_1PNPDE20091113_040536_000000462084_00147_40281_3397.N1	13-NOV-2009 04:05:36	Bright	46.000	96	68Del Leo	2.5600	9300.0	92	40281	No
32	GOM_TRA_1PNPDE20091113_042600_000000432084_00147_40281_3398.N1	13-NOV-2009 04:26:00	Dark	43.000	113	Mu Vel	2.6920	5000.0	86	40281	No
33	GOM_TRA_1PNPDE20091113_043250_000000512084_00148_40282_3399.N1	13-NOV-2009 04:32:50	Dark	50.500	41	Eps Car	1.8600	4100.0	101	40282	No
34	GOM_TRA_1PNPDE20091113_043419_000000552084_00148_40282_3400.N1	13-NOV-2009 04:34:19	Dark	54.500	70	Zet Pup	2.2460	39000.	109	40282	No
35	GOM_TRA_1PNPDE20091113_043818_000000612084_00148_40282_3401.N1	13-NOV-2009 04:38:18	Dark	61.000	2	Alp Car	-0.73600	7000.0	122	40282	No
36	GOM_TRA_1PNPDE20091113_044501_000000462084_00148_40282_3402.N1	13-NOV-2009 04:45:01	Dark	46.000	108	Alp Col	2.6520	15200.	92	40282	No
37	GOM_TRA_1PNPDE20091113_045444_000000532084_00148_40282_3403.N1	13-NOV-2009 04:54:44	Straylight	52.500	165	34Gam Eri	2.9500	3200.0	105	40282	No
38	GOM_TRA_1PNPDE20091113_050024_000000482084_00148_40282_3404.N1	13-NOV-2009 05:00:24	Tw_i_and_stray	47.500	94	92Alp Cet	2.5260	3100.0	95	40282	No
39	GOM_TRA_1PNPDE20091113_050554_000000402084_00148_40282_3405.N1	13-NOV-2009 05:05:54	Bright	40.000	50	13Alp Ari	2.0070	4250.0	80	40282	No
40	GOM_TRA_1PNPDE20091113_050912_000000372084_00148_40282_3406.N1	13-NOV-2009 05:09:12	Bright	36.500	173	4Bet Tri	3.0040	8900.0	73	40282	No
41	GOM_TRA_1PNPDE20091113_051116_000000392084_00148_40282_3407.N1	13-NOV-2009 05:11:16	Bright	38.500	73	57Gam1And	2.2600	13100.	77	40282	No
42	GOM_TRA_1PNPDE20091113_051256_000000442084_00148_40282_3408.N1	13-NOV-2009 05:12:56	Bright	44.000	149	45Eps Per	2.8880	30000.	88	40282	No
43	GOM_TRA_1PNPDE20091113_051435_000000412084_00148_40282_3409.N1	13-NOV-2009 05:14:35	Bright	40.500	35	33Alp Per	1.7950	6250.0	81	40282	No
44	GOM_TRA_1PNPDE20091113_053214_000000442084_00148_40282_3406.N1	13-NOV-2009 05:32:14	Bright	43.500	36	50Alp UMa	1.8000	6300.0	87	40282	No
45	GOM_TRA_1PNPDE20091113_053353_000000442084_00148_40282_3407.N1	13-NOV-2009 05:33:53	Bright	43.500	82	48Bet UMa	2.3650	10600.	87	40282	No
46	GOM_TRA_1PNPDE20091113_053751_000000622084_00148_40282_3408.N1	13-NOV-2009 05:37:51	Bright	62.000	174	52Psi UMa	3.0040	4400.0	124	40282	No
47	GOM_TRA_1PNPDE20091113_054612_000000602084_00148_40282_3409.N1	13-NOV-2009 05:46:12	Bright	59.500	96	68Del Leo	2.5600	9300.0	119	40282	No
48	GOM_TRA_1PNPDE20091113_060637_000000442084_00148_40282_3410.N1	13-NOV-2009 06:06:37	Dark	43.500	113	Mu Vel	2.6920	5000.0	87	40282	No
49	GOM_TRA_1PNPDE20091113_061327_000000552084_00149_40283_3411.N1	13-NOV-2009 06:13:27	Dark	54.500	41	Eps Car	1.8600	4100.0	109	40283	No
50	GOM_TRA_1PNPDE20091113_061456_000000562084_00149_40283_3412.N1	13-NOV-2009 06:14:56	Dark	55.500	70	Zet Pup	2.2460	39000.	111	40283	No
51	GOM_TRA_1PNPDE20091113_061855_000000482084_00149_40283_3413.N1	13-NOV-2009 06:18:55	Dark	47.500	2	Alp Car	-0.73600	7000.0	95	40283	No
52	GOM_TRA_1PNPDE20091113_062538_000000462084_00149_40283_3414.N1	13-NOV-2009 06:25:38	Dark	46.000	108	Alp Col	2.6520	15200.	92	40283	No
53	GOM_TRA_1PNPDE20091113_063520_000000532084_00149_40283_3415.N1	13-NOV-2009 06:35:20	Straylight	53.000	165	34Gam Eri	2.9500	3200.0	106	40283	No
54	GOM_TRA_1PNPDE20091113_064100_000000472084_00149_40283_3416.N1	13-NOV-2009 06:41:00	Tw_i_and_stray	47.000	94	92Alp Cet	2.5260	3100.0	94	40283	No
55	GOM_TRA_1PNPDE20091113_064629_000000392084_00149_40283_3417.N1	13-NOV-2009 06:46:29	Bright	38.500	50	13Alp Ari	2.0070	4250.0	77	40283	No
56	GOM_TRA_1PNPDE20091113_064948_000000372084_00149_40283_3418.N1	13-NOV-2009 06:49:48	Bright	36.500	173	4Bet Tri	3.0040	8900.0	73	40283	No
57	GOM_TRA_1PNPDE20091113_065152_000000382084_00149_40283_3419.N1	13-NOV-2009 06:51:52	Bright	37.500	73	57Gam1And	2.2600	13100.	75	40283	No
58	GOM_TRA_1PNPDE20091113_065332_000000452084_00149_40283_3420.N1	13-NOV-2009 06:53:32	Bright	45.000	149	45Eps Per	2.8880	30000.	90	40283	No
59	GOM_TRA_1PNPDE20091113_065511_000000412084_00149_40283_3421.N1	13-NOV-2009 06:55:11	Bright	40.500	35	33Alp Per	1.7950	6250.0	81	40283	No
60	GOM_TRA_1PNPDE20091113_195031_000000512084_00157_40291_3446.N1	13-NOV-2009 19:50:31	Dark	50.500	108	Alp Col	2.6520	15200.	101	40291	No
61	GOM_TRA_1PNPDE20091113_200007_000000442084_00157_40291_3447.N1	13-NOV-2009 20:00:07	Straylight	43.500	165	34Gam Eri	2.9500	3200.0	87	40291	No
62	GOM_TRA_1PNPDE20091113_200546_000000392084_00157_40291_3448.N1	13-NOV-2009 20:05:46	Tw_i_and_stray	39.000	94	92Alp Cet	2.5260	3100.0	78	40291	No
63	GOM_TRA_1PNPDE20091113_201117_000000382084_00157_40291_3449.N1	13-NOV-2009 20:11:17	Bright	37.500	50	13Alp Ari	2.0070	4250.0	75	40291	No
64	GOM_TRA_1PNPDE20091113_201301_000000482084_00157_40291_3450.N1	13-NOV-2009 20:13:01	Bright	47.500	146	25Eta Tau	2.8730	15200.	95	40291	No
65	GOM_TRA_1PNPDE20091113_201639_000000362084_00157_40291_3451.N1	13-NOV-2009 20:16:39	Bright	35.500	73	57Gam1And	2.2600	13100.	71	40291	No
66	GOM_TRA_1PNPDE20091113_201814_000000432084_00157_40291_3452.N1	13-NOV-2009 20:18:14	Bright	43.000	149	45Eps Per	2.8880	30000.	86	40291	No
67	GOM_TRA_1PNPDE20091113_201955_000000422084_00157_40291_3453.N1	13-NOV-2009 20:19:55	Bright	41.500	35	33Alp Per	1.7950	6250.0	83	40291	No
68	GOM_TRA_1PNPDE20091113_203736_000000342084_00157_40291_3454.N1	13-NOV-2009 20:37:36	Bright	34.000	36	50Alp UMa	1.8000	6300.0	68	40291	No
69	GOM_TRA_1PNPDE20091113_203914_000000352084_00157_40291_3455.N1	13-NOV-2009 20:39:14	Bright	34.500	82	48Bet UMa	2.3650	10600.	69	40291	No
70	GOM_TRA_1PNPDE20091113_204314_000000352084_00157_40291_3456.N1	13-NOV-2009 20:43:14	Bright	34.500	174	52Psi UMa	3.0040	4400.0	69	40291	No
71	GOM_TRA_1PNPDE20091113_205139_000000372084_00157_40291_3457.N1	13-NOV-2009 20:51:39	Bright	36.500	96	68Del Leo	2.5600	9300.0	73	40291	No

72	GOM_TRA_1PNPDE20091113_211205_000000372084_00157_40291_3452.N1	13-NOV-2009 21:12:05	Dark	37.000	113	Mu Vel	2.6920	5000.0	74	40291	No
73	GOM_TRA_1PNPDE20091113_211855_000000412084_00158_40292_3453.N1	13-NOV-2009 21:18:55	Dark	41.000	41	Eps Car	1.8600	4100.0	82	40292	No
74	GOM_TRA_1PNPDE20091113_212031_000000552084_00158_40292_3454.N1	13-NOV-2009 21:20:31	Dark	55.000	70	Zet Pup	2.2460	39000.	110	40292	No
75	GOM_TRA_1PNPDE20091113_212424_000000502084_00158_40292_3455.N1	13-NOV-2009 21:24:24	Dark	50.000	2	Alp Car	-0.73600	7000.0	100	40292	No
76	GOM_TRA_1PNPDE20091113_213107_000000542084_00158_40292_3456.N1	13-NOV-2009 21:31:07	Dark	53.500	108	Alp Col	2.6520	15200.	107	40292	No
77	GOM_TRA_1PNPDE20091113_214044_000000452084_00158_40292_3457.N1	13-NOV-2009 21:40:44	Straylight	44.500	165	34Gam Eri	2.9500	3200.0	89	40292	No
78	GOM_TRA_1PNPDE20091113_214622_000000422084_00158_40292_3458.N1	13-NOV-2009 21:46:22	Twilight_stray	41.500	94	92Alp Cet	2.5260	3100.0	83	40292	No
79	GOM_TRA_1PNPDE20091113_215153_000000382084_00158_40292_3459.N1	13-NOV-2009 21:51:53	Bright	38.000	50	13Alp Ari	2.0070	4250.0	76	40292	No
80	GOM_TRA_1PNPDE20091113_215336_000000452084_00158_40292_3460.N1	13-NOV-2009 21:53:36	Bright	45.000	146	25Eta Tau	2.8730	15200.	90	40292	No
81	GOM_TRA_1PNPDE20091113_215714_000000402084_00158_40292_3461.N1	13-NOV-2009 21:57:14	Bright	39.500	73	57Gam1And	2.2600	13100.	79	40292	No
82	GOM_TRA_1PNPDE20091113_215849_000000452084_00158_40292_3462.N1	13-NOV-2009 21:58:49	Bright	44.500	149	45Eps Per	2.8880	30000.	89	40292	No
83	GOM_TRA_1PNPDE20091113_220030_000000412084_00158_40292_3463.N1	13-NOV-2009 22:00:30	Bright	41.000	35	33Alp Per	1.7950	6250.0	82	40292	No
84	GOM_TRA_1PNPDE20091113_221812_000000352084_00158_40292_3464.N1	13-NOV-2009 22:18:12	Bright	34.500	36	50Alp UMa	1.8000	6300.0	69	40292	No
85	GOM_TRA_1PNPDE20091113_221950_000000352084_00158_40292_3465.N1	13-NOV-2009 22:19:50	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	40292	No
86	GOM_TRA_1PNPDE20091113_222350_000000362084_00158_40292_3466.N1	13-NOV-2009 22:23:50	Bright	35.500	174	52Psi UMa	3.0040	4400.0	71	40292	No
87	GOM_TRA_1PNPDE20091113_223215_000000382084_00158_40292_3467.N1	13-NOV-2009 22:32:15	Bright	37.500	96	68Del Leo	2.5600	9300.0	75	40292	No
88	GOM_TRA_1PNPDE20091113_225241_000000382084_00158_40292_3458.N1	13-NOV-2009 22:52:41	Dark	38.000	113	Mu Vel	2.6920	5000.0	76	40292	No
89	GOM_TRA_1PNPDE20091113_225932_000000422084_00159_40293_3459.N1	13-NOV-2009 22:59:32	Dark	41.500	41	Eps Car	1.8600	4100.0	83	40293	No
90	GOM_TRA_1PNPDE20091113_230108_000000552084_00159_40293_3460.N1	13-NOV-2009 23:01:08	Dark	55.000	70	Zet Pup	2.2460	39000.	110	40293	No
91	GOM_TRA_1PNPDE20091113_230501_000000482084_00159_40293_3461.N1	13-NOV-2009 23:05:01	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	40293	No
92	GOM_TRA_1PNPDE20091113_231144_000000522084_00159_40293_3462.N1	13-NOV-2009 23:11:44	Dark	51.500	108	Alp Col	2.6520	15200.	103	40293	No
93	GOM_TRA_1PNPDE20091113_232119_000000462084_00159_40293_3463.N1	13-NOV-2009 23:21:19	Straylight	45.500	165	34Gam Eri	2.9500	3200.0	91	40293	No
94	GOM_TRA_1PNPDE20091113_232658_000000412084_00159_40293_3464.N1	13-NOV-2009 23:26:58	Twilight_stray	41.000	94	92Alp Cet	2.5260	3100.0	82	40293	No
95	GOM_TRA_1PNPDE20091113_233228_000000392084_00159_40293_3465.N1	13-NOV-2009 23:32:28	Bright	38.500	50	13Alp Ari	2.0070	4250.0	77	40293	No
96	GOM_TRA_1PNPDE20091113_233411_000000462084_00159_40293_3466.N1	13-NOV-2009 23:34:11	Bright	46.000	146	25Eta Tau	2.8730	15200.	92	40293	No
97	GOM_TRA_1PNPDE20091113_233750_000000372084_00159_40293_3467.N1	13-NOV-2009 23:37:50	Bright	36.500	73	57Gam1And	2.2600	13100.	73	40293	No
98	GOM_TRA_1PNPDE20091113_233924_000000422084_00159_40293_3468.N1	13-NOV-2009 23:39:24	Bright	41.500	149	45Eps Per	2.8880	30000.	83	40293	No
99	GOM_TRA_1PNPDE20091113_234106_000000592084_00159_40293_3469.N1	13-NOV-2009 23:41:06	Bright	59.000	35	33Alp Per	1.7950	6250.0	118	40293	No
100	GOM_TRA_1PNPDE20091113_235847_000000352084_00159_40293_3470.N1	13-NOV-2009 23:58:47	Bright	34.500	36	50Alp UMa	1.8000	6300.0	69	40293	No

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



4. Overview of dark signal processing per product

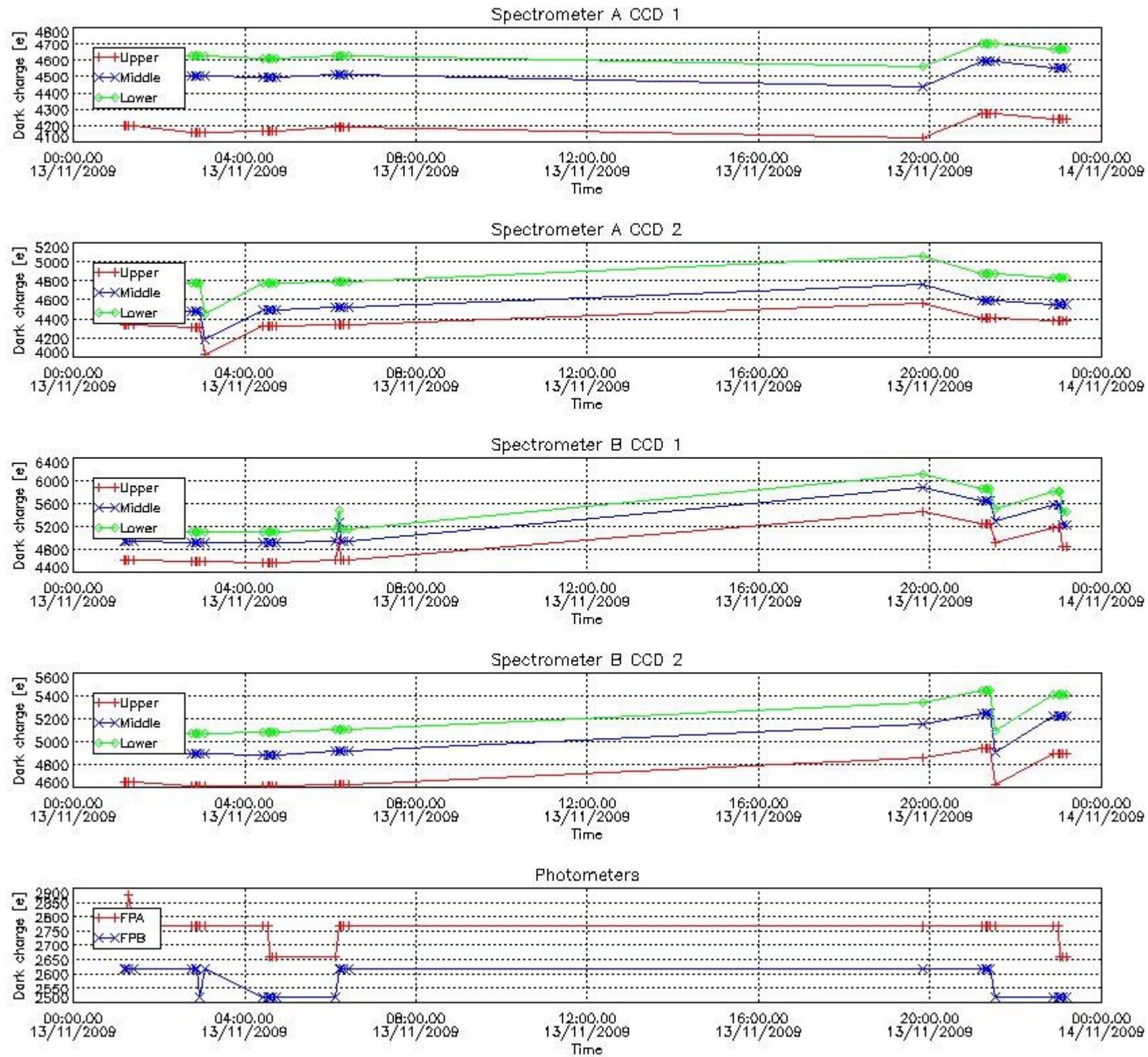
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20091113_195031_000000512084_00157_40291_3446.N1	DC map used
GOM_TRA_1PNPDE20091113_200007_000000442084_00157_40291_3447.N1	DC map used
GOM_TRA_1PNPDE20091113_200546_000000392084_00157_40291_3448.N1	DC map used
GOM_TRA_1PNPDE20091113_201117_000000382084_00157_40291_3449.N1	DC map used
GOM_TRA_1PNPDE20091113_201301_000000482084_00157_40291_3450.N1	DC map used
GOM_TRA_1PNPDE20091113_201639_000000362084_00157_40291_3451.N1	DC map used
GOM_TRA_1PNPDE20091113_201814_000000432084_00157_40291_3452.N1	DC map used
GOM_TRA_1PNPDE20091113_201955_000000422084_00157_40291_3453.N1	DC map used
GOM_TRA_1PNPDE20091113_203736_000000342084_00157_40291_3454.N1	DC map used
GOM_TRA_1PNPDE20091113_203914_000000352084_00157_40291_3455.N1	DC map used
GOM_TRA_1PNPDE20091113_204314_000000352084_00157_40291_3456.N1	DC map used
GOM_TRA_1PNPDE20091113_205139_000000372084_00157_40291_3457.N1	DC map used

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



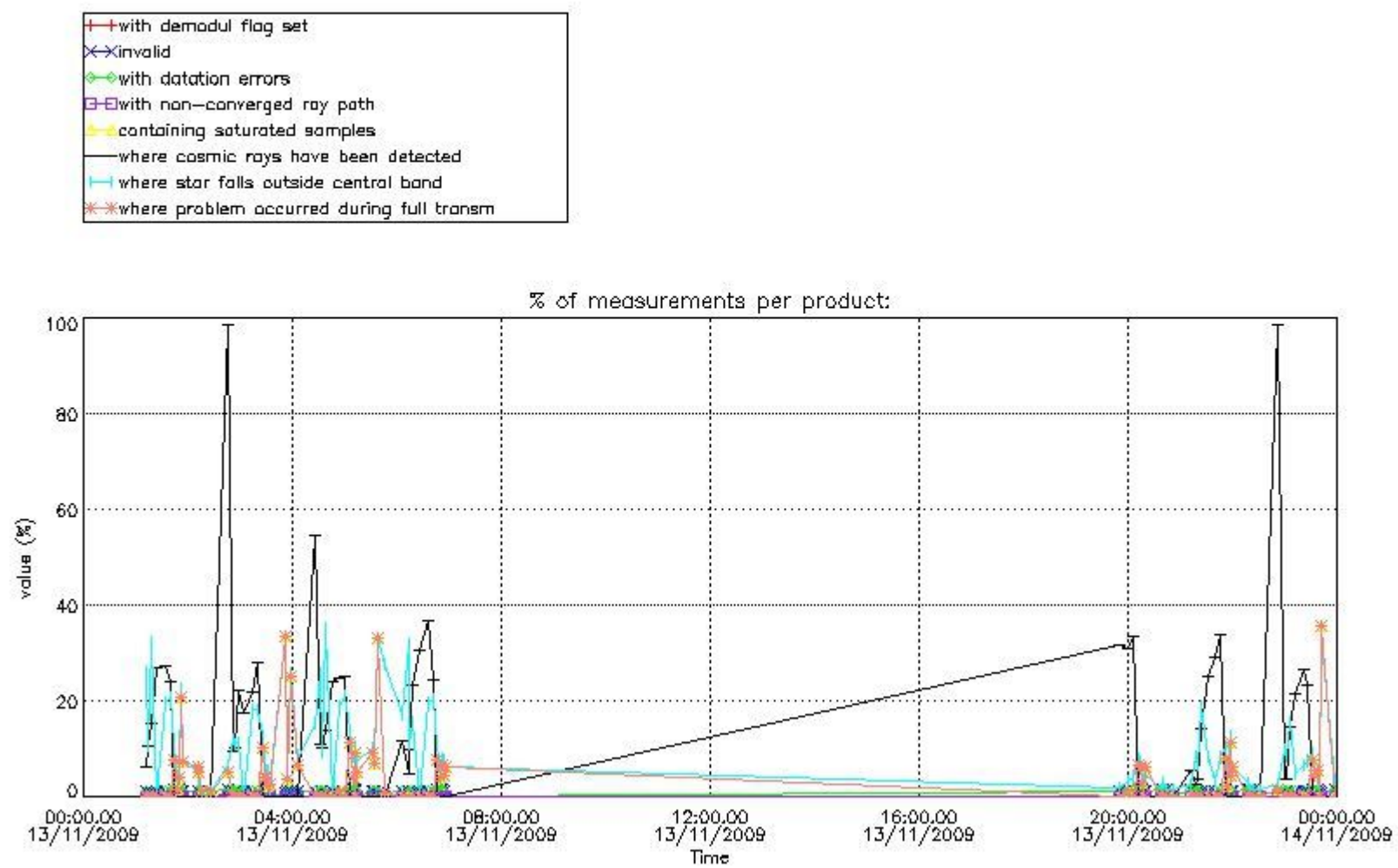
5. Demodulation flag and quality information monitoring

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.

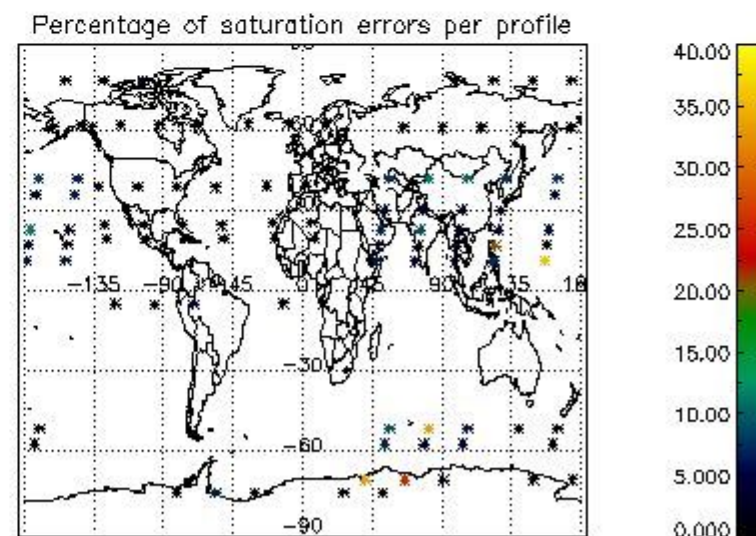
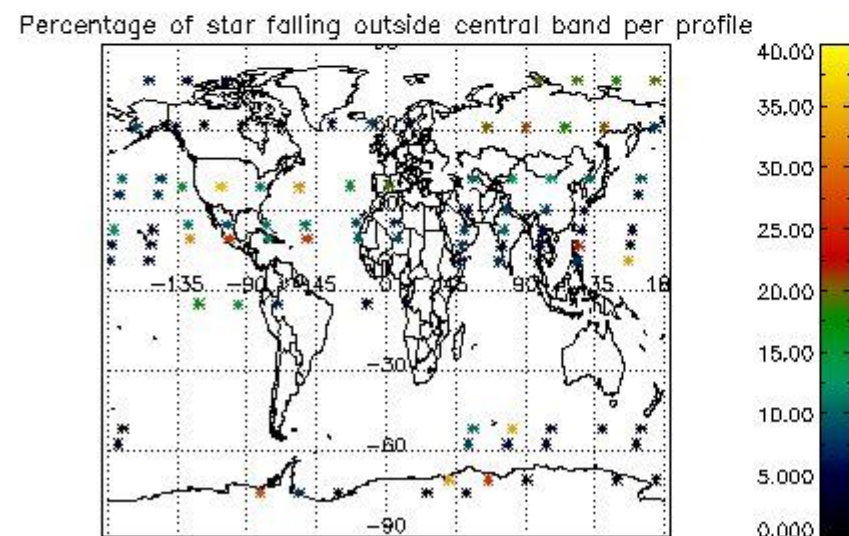
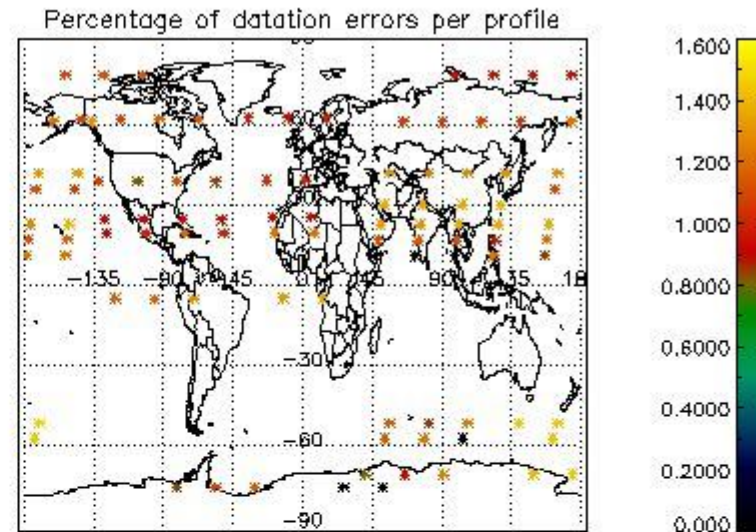
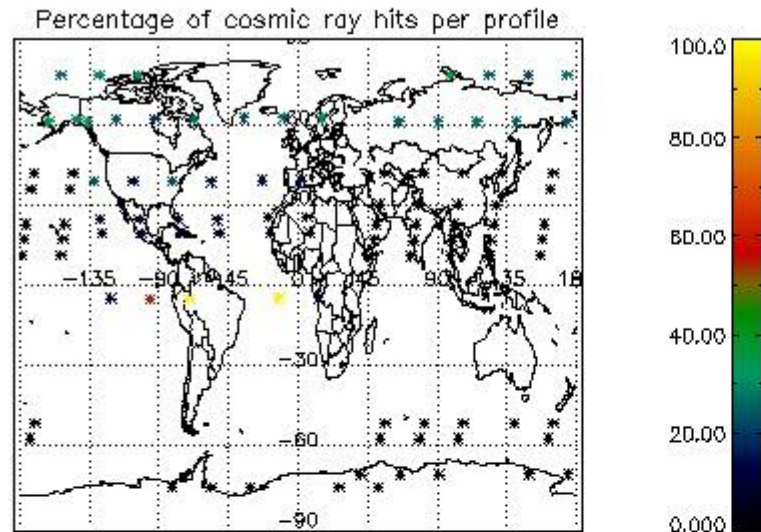
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	35.0000 %
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)



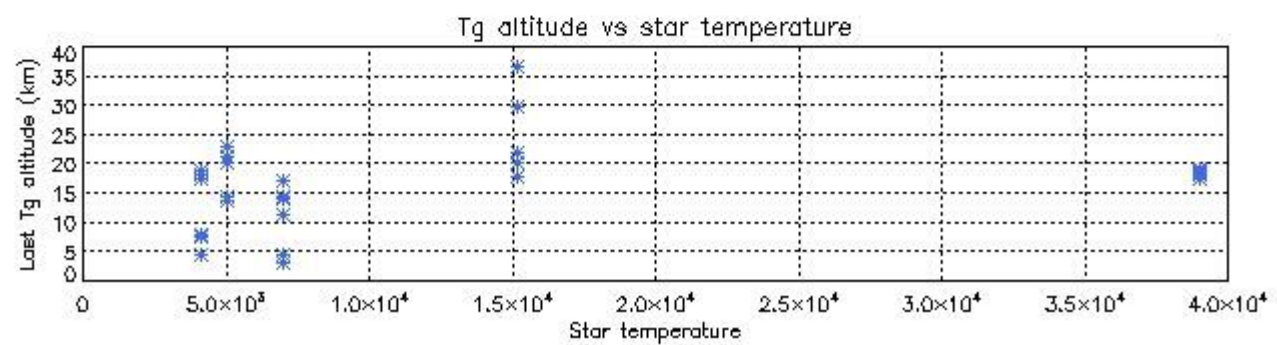
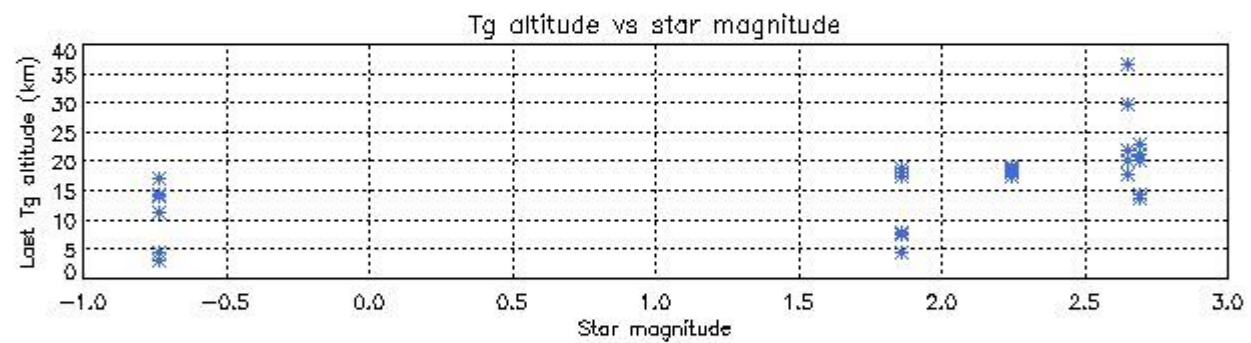
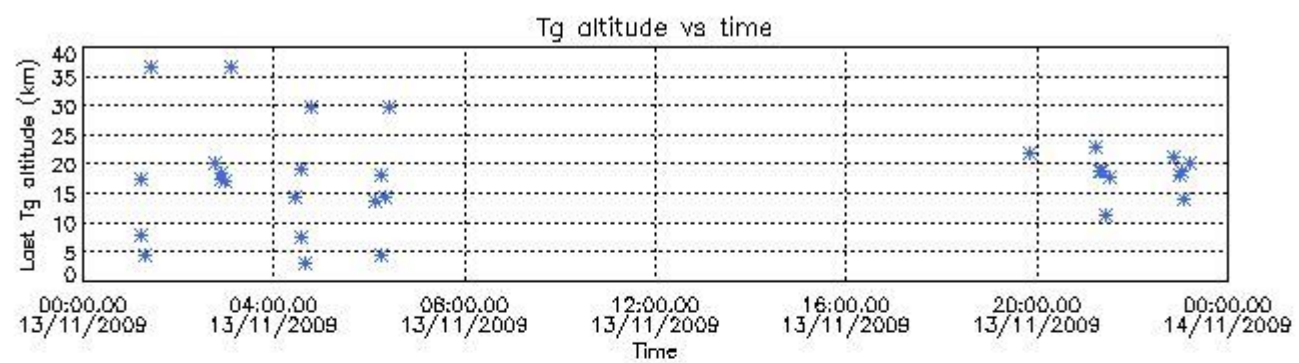
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	17.800	21.547	NaN
St. deviation:	8.1403	8.3563	NaN
Maximum:	36.585	40.652	NaN
Minimum:	3.2164	3.2370	NaN
Number of data:	30.000	56.000	NaN

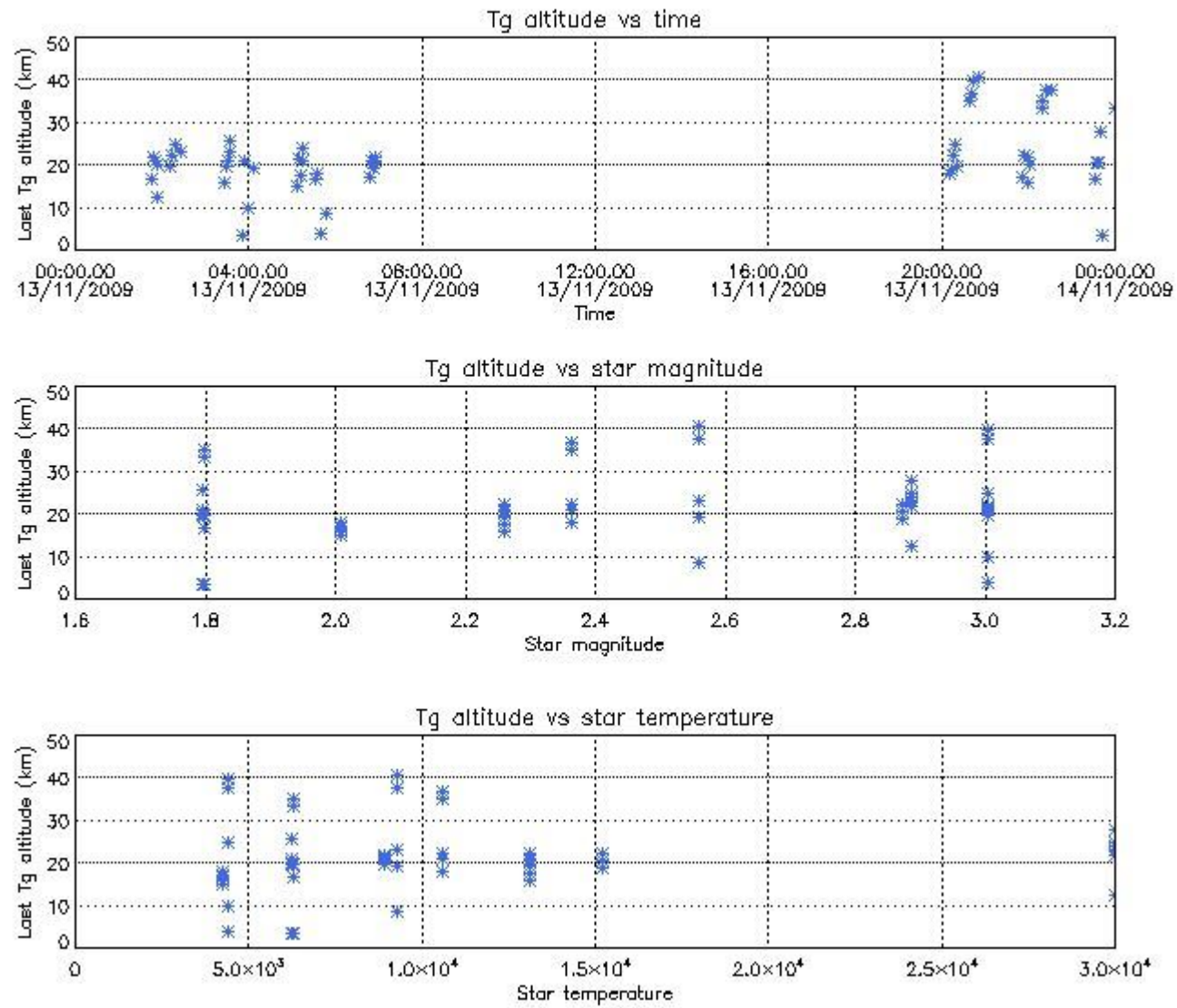
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

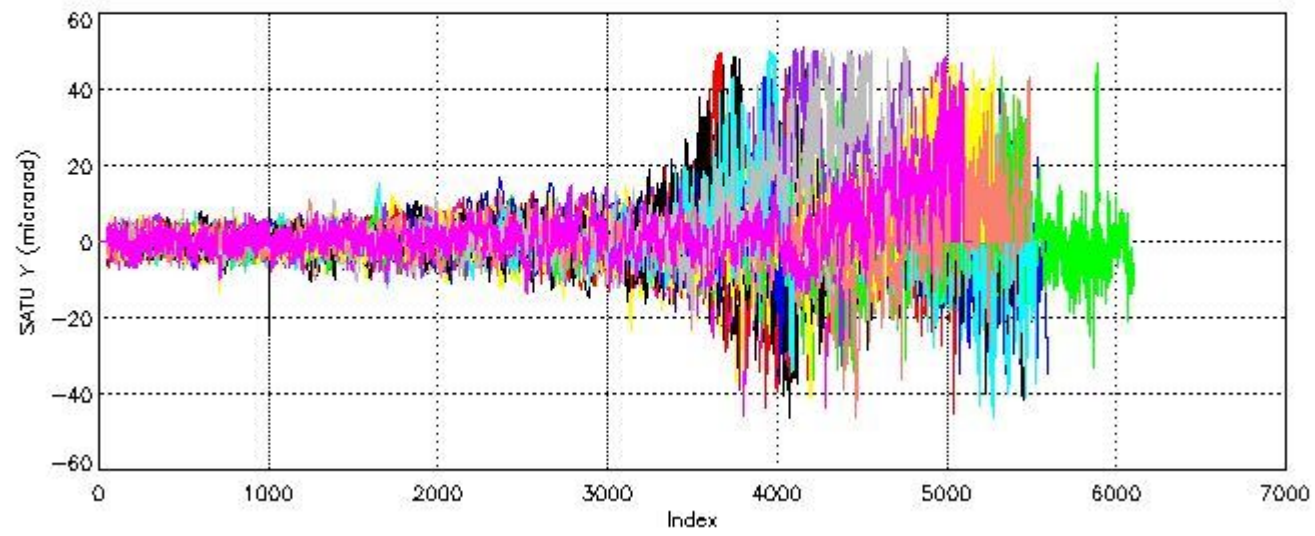
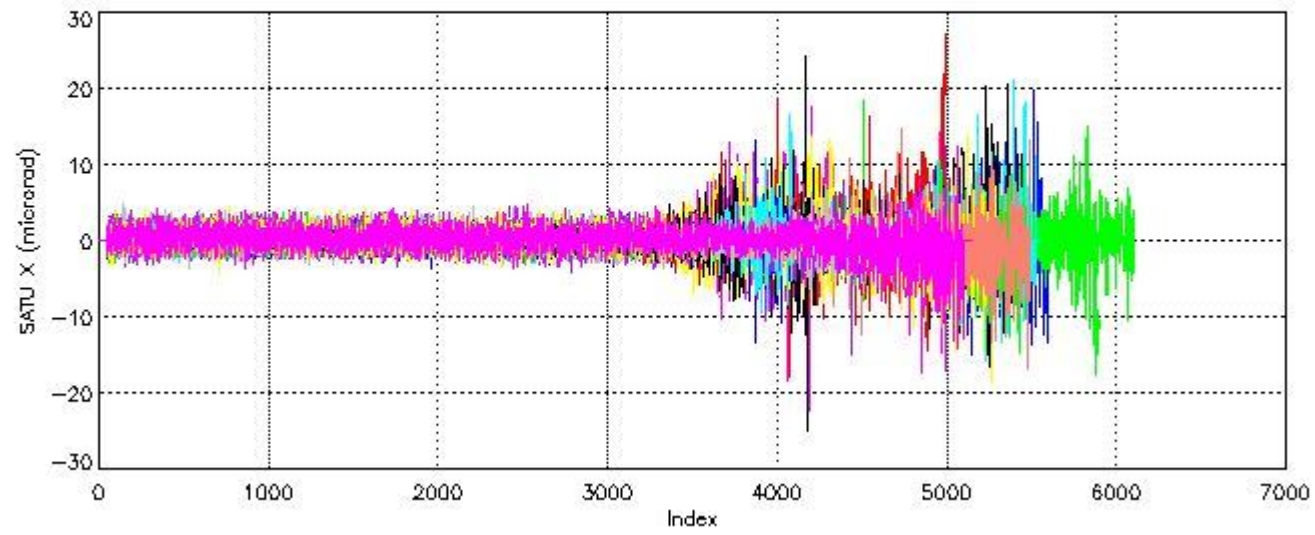


7. Star Acquisition and Tracking Unit (SATU)

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:	0.25311	-0.24216	0.19485	-0.21003
St. deviation:	0.61205	1.9856	0.87846	2.4092
Maximum:	4.8000	8.8000	7.8000	11.000
Minimum:	-4.3000	-13.400	-8.0000	-11.500

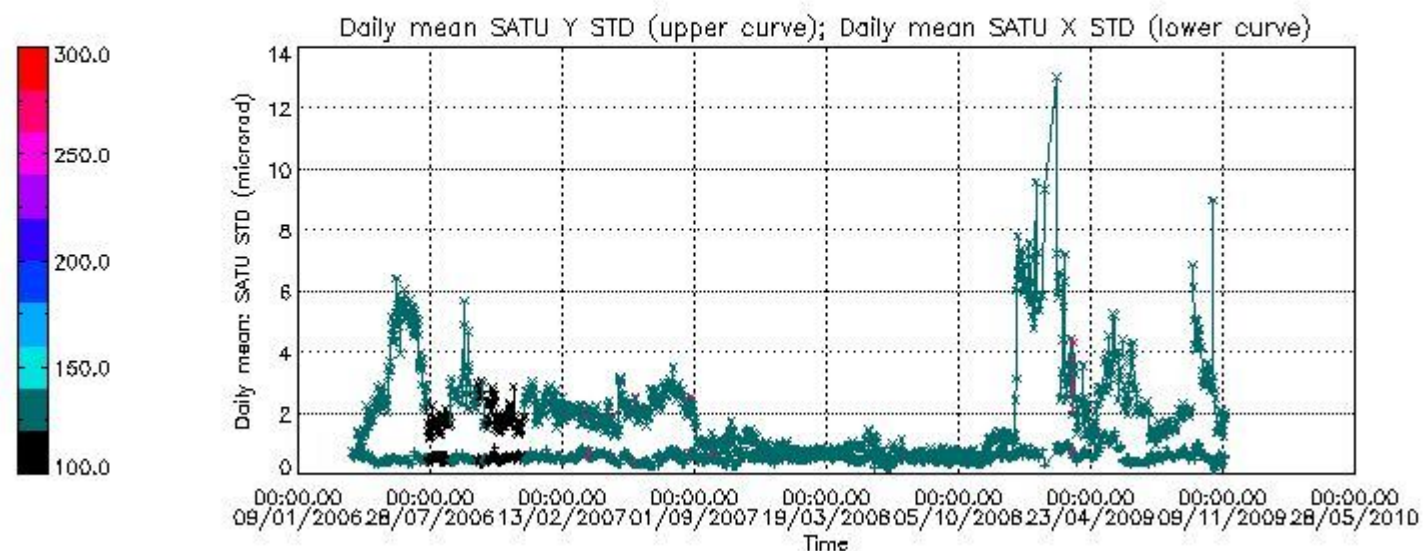
Number of data:	32450.	32450.	53700.	53700.
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

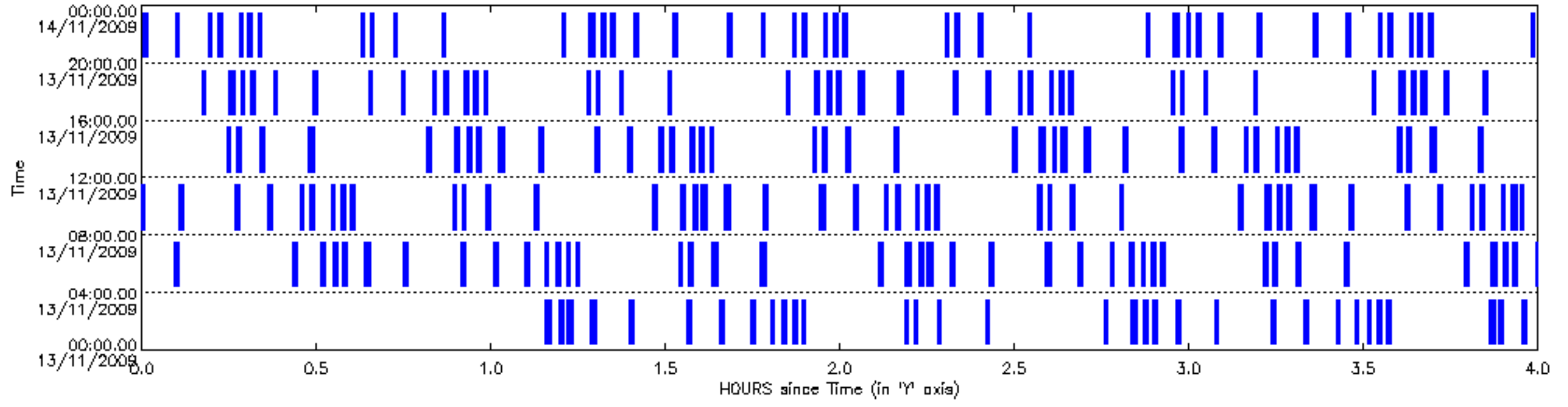
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

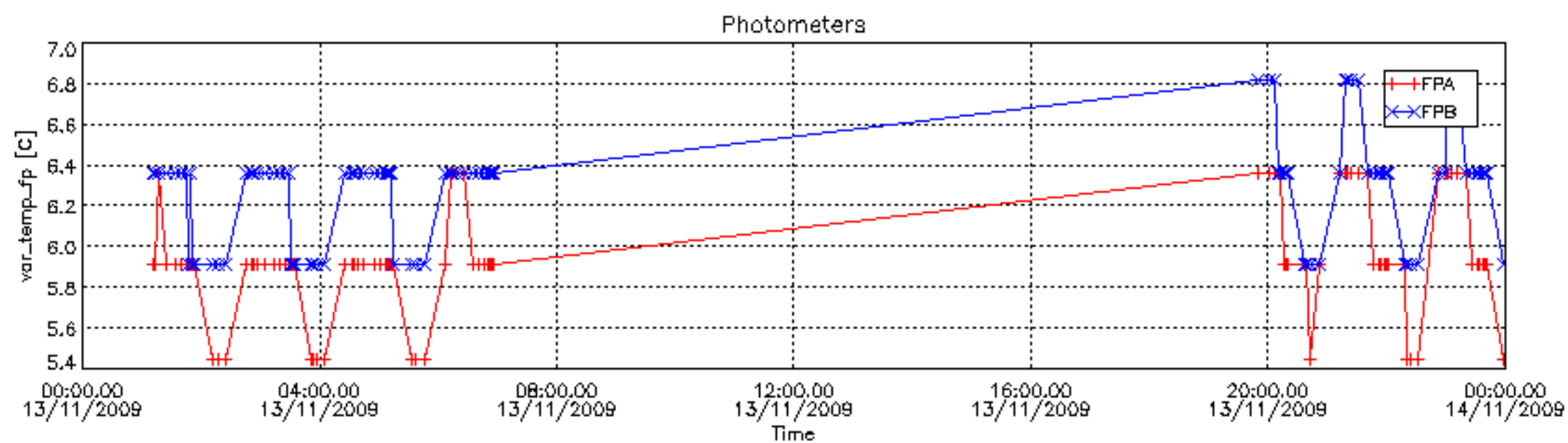
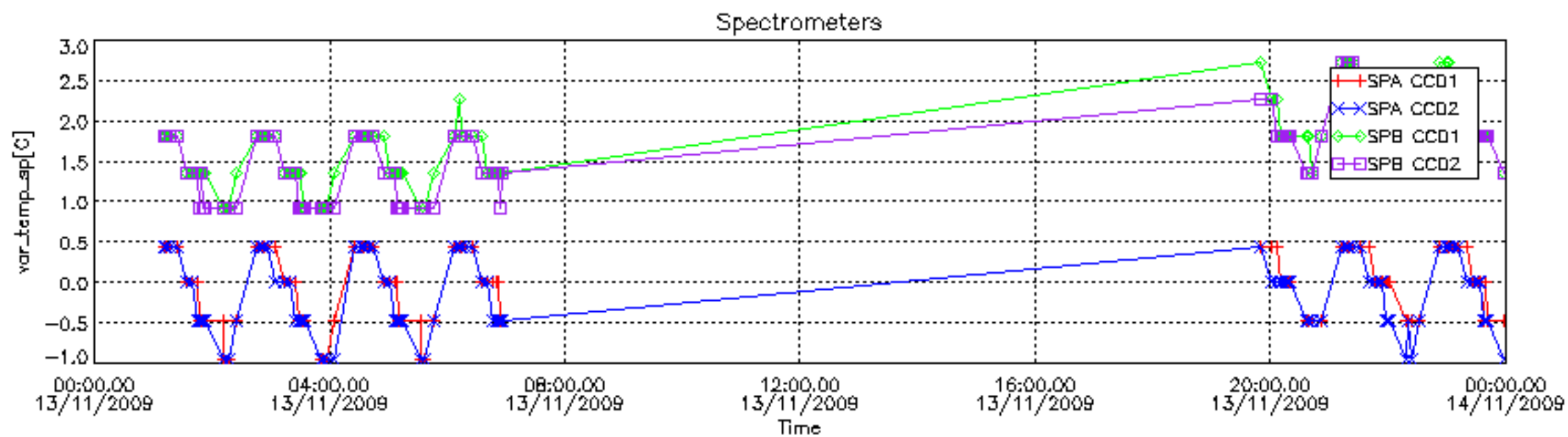


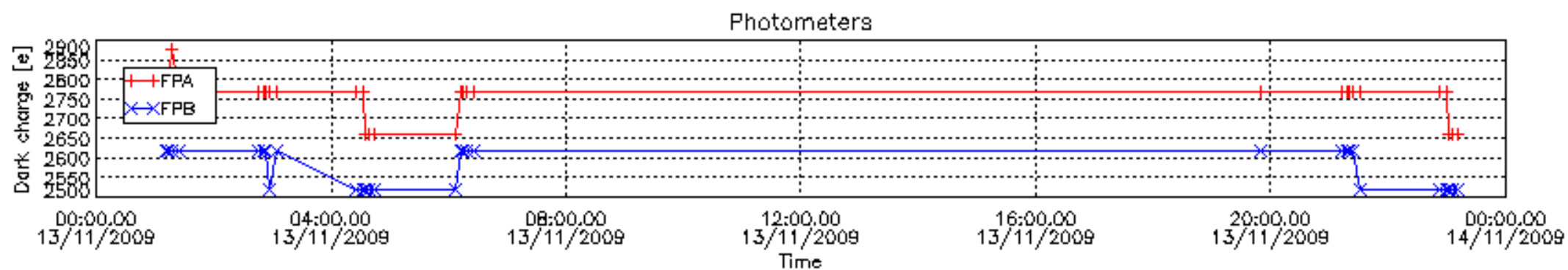
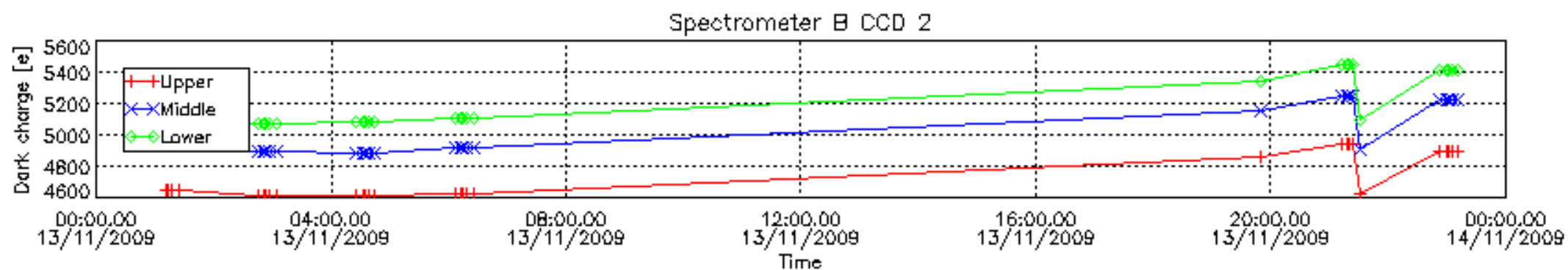
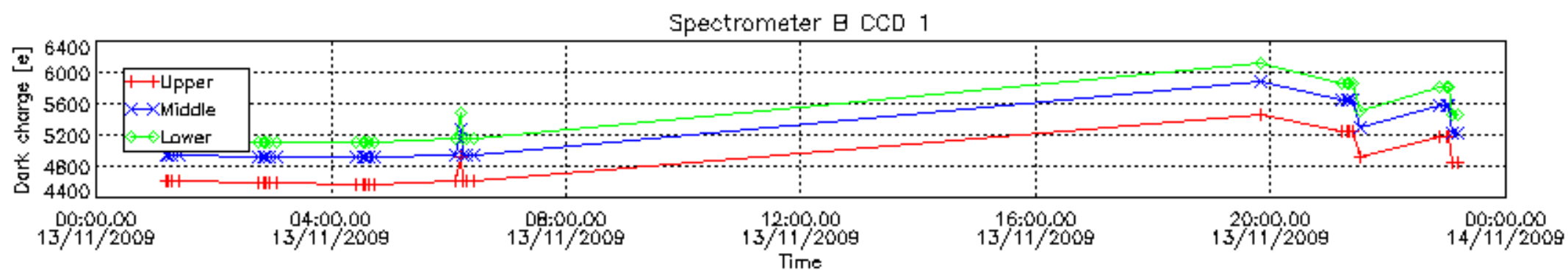
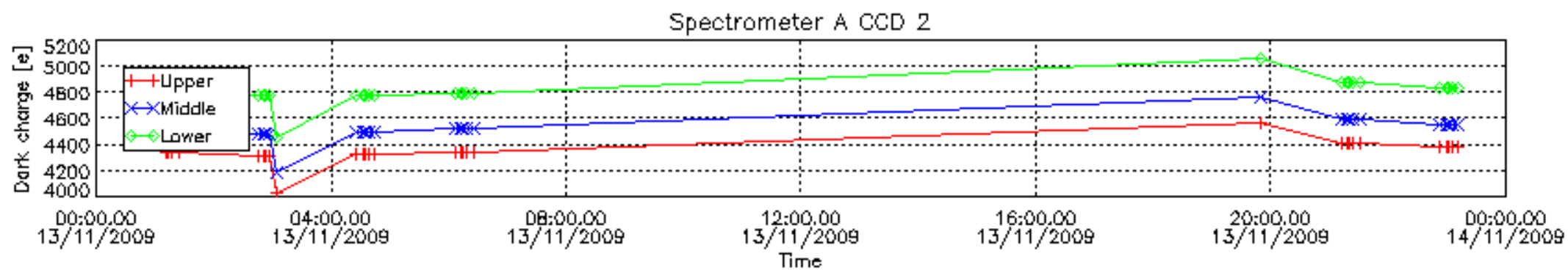
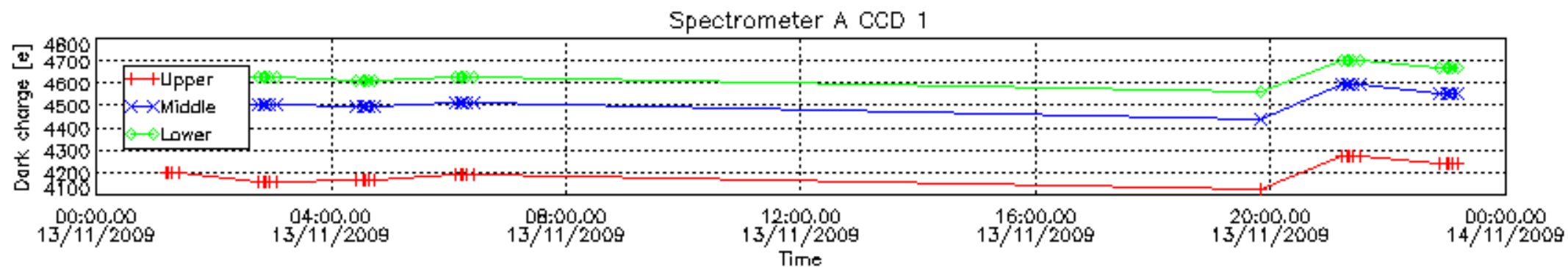
8. Auxiliary Data Files used for the production reported in section 2.4

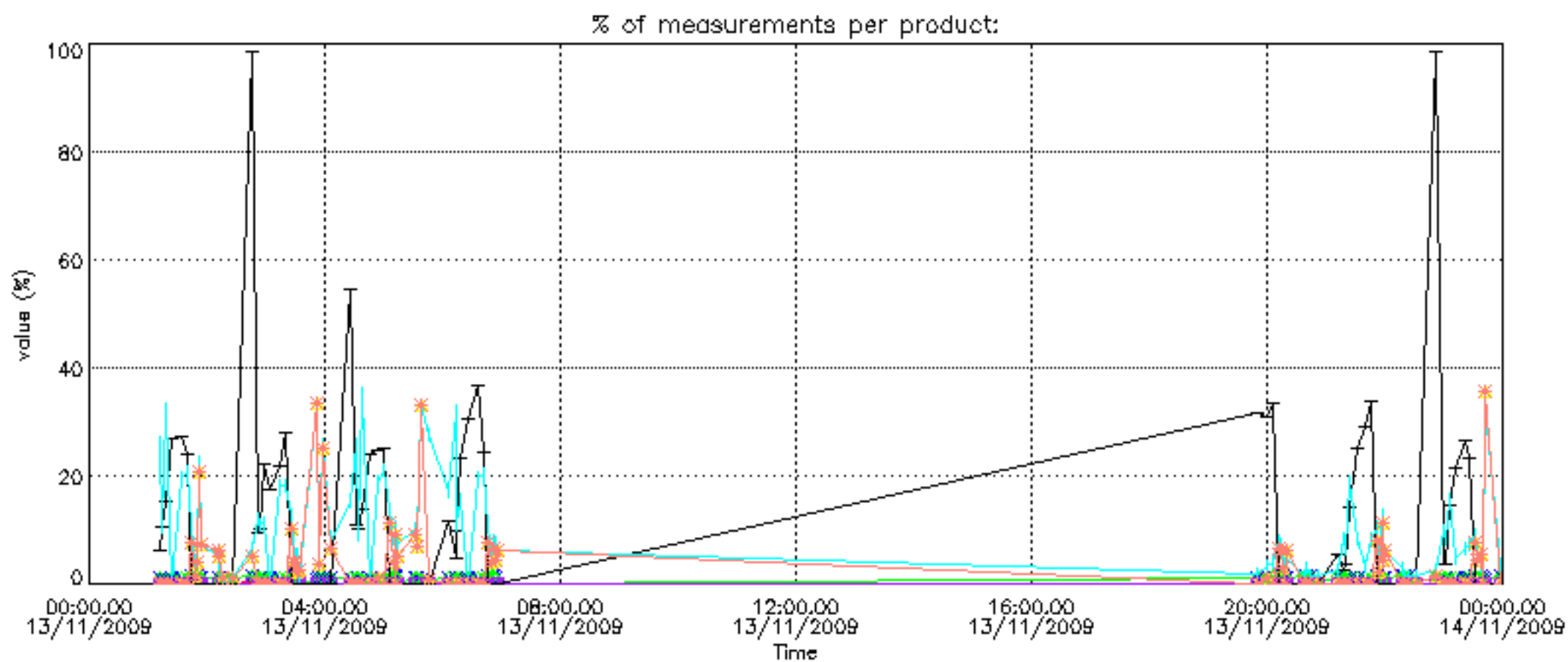
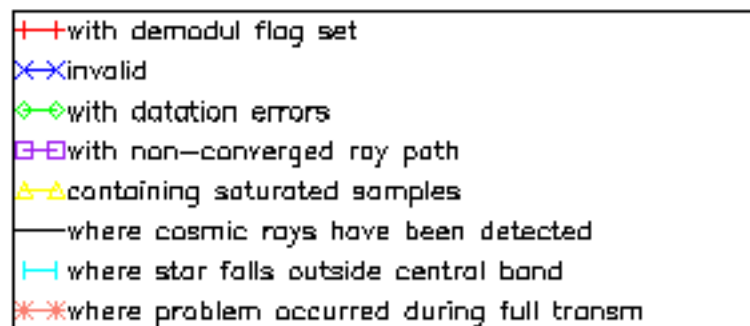
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	13-NOV-2009 01:11:37
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091106_091155_20091104_000000_20100101_000000	1	13-NOV-2009 01:11:37
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	13-NOV-2009 01:11:37
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	13-NOV-2009 01:11:37
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	13-NOV-2009 01:11:37
ECMWF_FILE	AUX_ECF_AXNECM20091112_064110_20091112_210000_20091113_090000	1	13-NOV-2009 01:11:37
ECMWF_FILE	AUX_ECF_AXNECM20091112_184110_20091113_030000_20091113_150000	28	13-NOV-2009 03:51:38
ECMWF_FILE	AUX_ECA_AXNECM20091113_062109_20091112_210000_20091113_090000	44	13-NOV-2009 05:32:14
ECMWF_FILE	AUX_ECA_AXNECM20091113_182110_20091113_090000_20091113_210000	60	13-NOV-2009 19:50:31
ECMWF_FILE	AUX_ECF_AXNECM20091113_064110_20091113_210000_20091114_090000	72	13-NOV-2009 21:12:05
OPTIONAL_ECMWF_FILE	MISSING	1	13-NOV-2009 01:11:37
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091113_005053_000044632084_00145_40279_9155.N1	1	13-NOV-2009 01:11:37
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091113_021034_000054192084_00146_40280_9156.N1	14	13-NOV-2009 02:16:39
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20091113_010109_20091112_182350_20091122_213039	28	13-NOV-2009 03:51:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091113_052710_000057382084_00148_40282_9158.N1	44	13-NOV-2009 05:32:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091113_194753_000038252084_00157_40291_9159.N1	60	13-NOV-2009 19:50:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091113_205139_000060572084_00157_40291_9160.N1	72	13-NOV-2009 21:12:05
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20091113_010109_20091112_182350_20091122_213039	88	13-NOV-2009 22:52:41

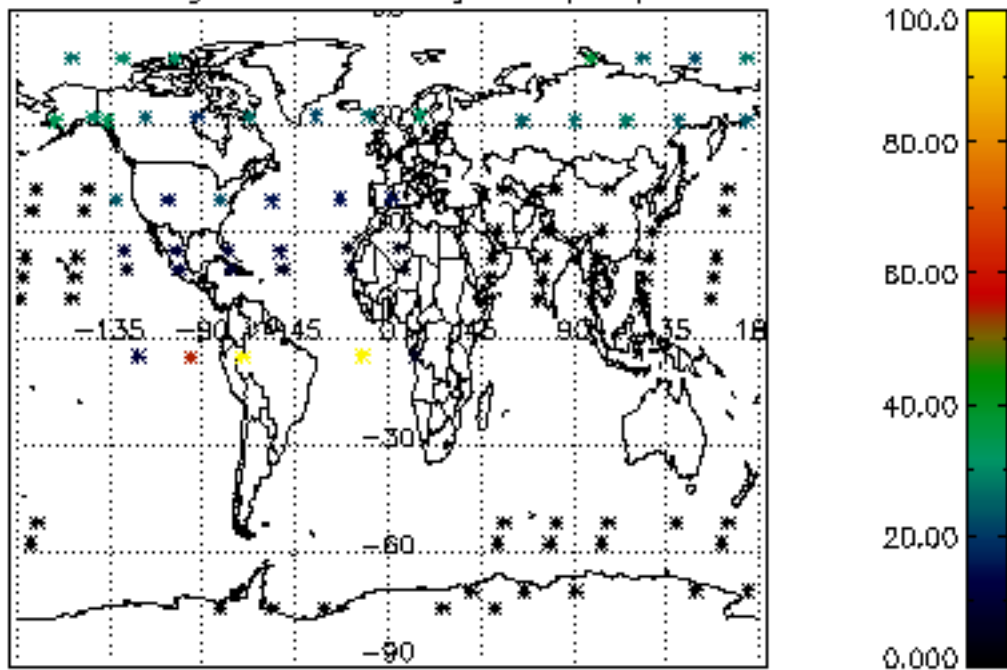




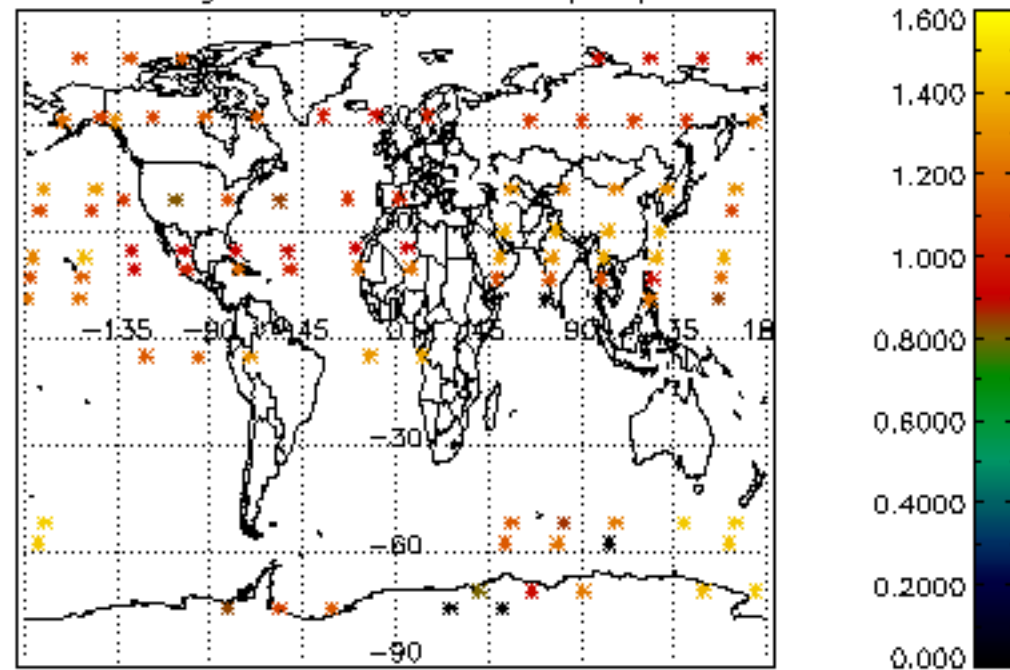




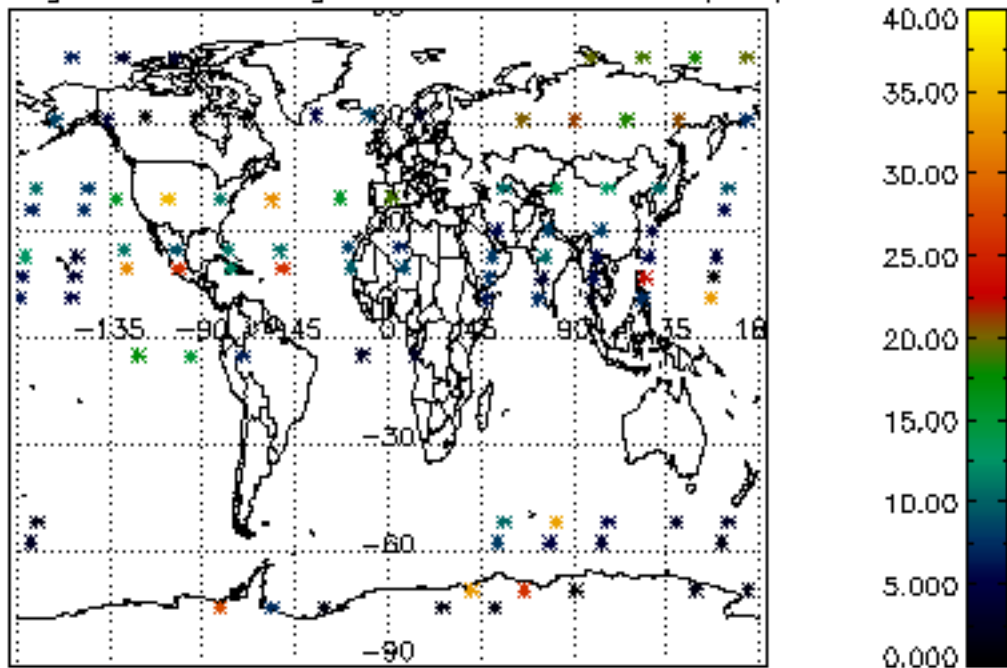
Percentage of cosmic ray hits per profile



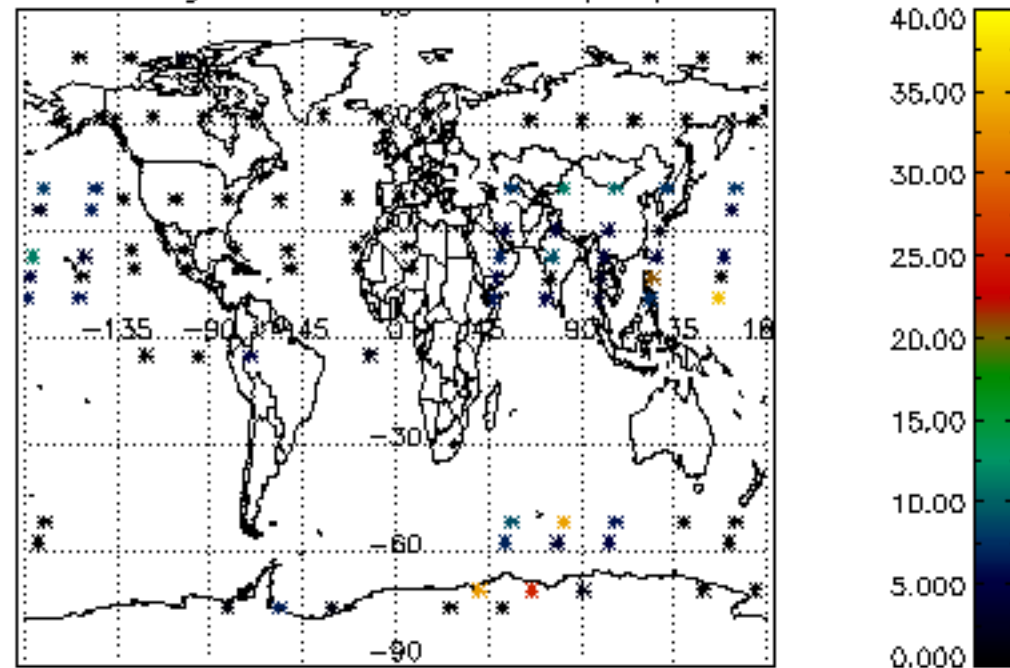
Percentage of datation errors per profile



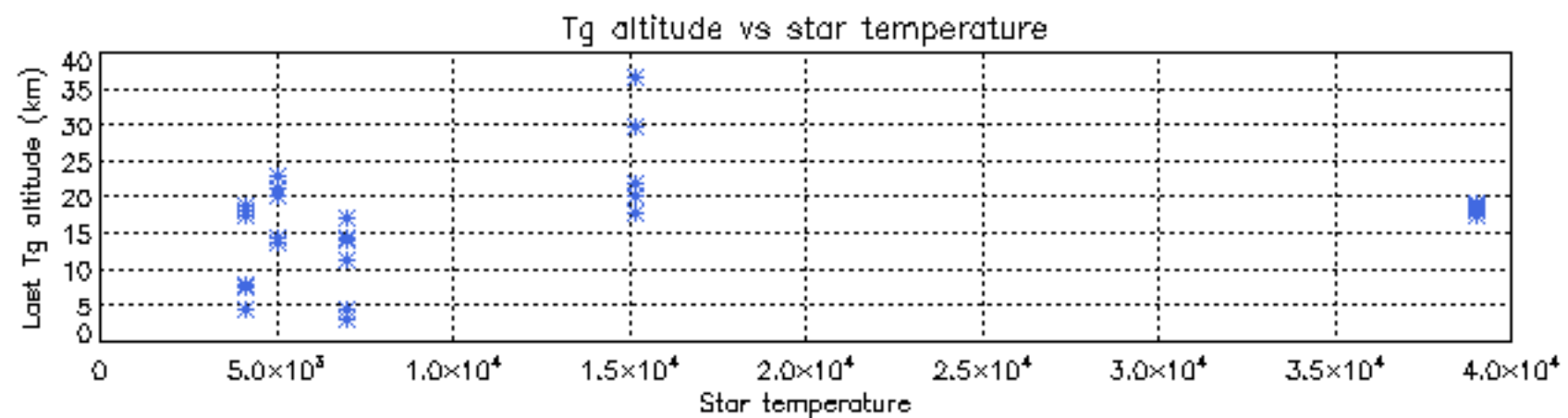
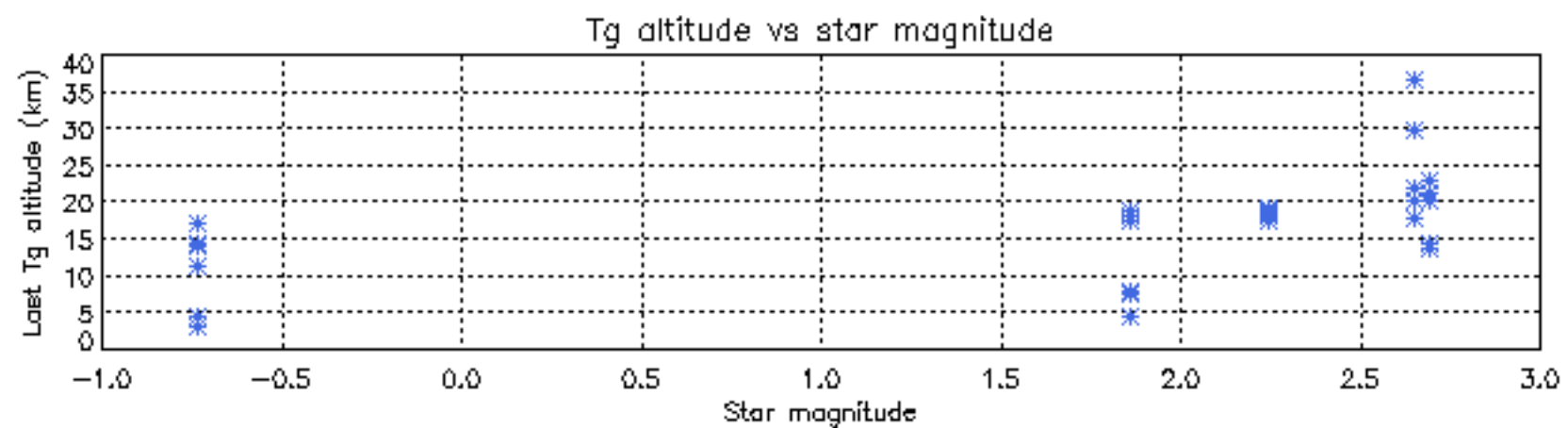
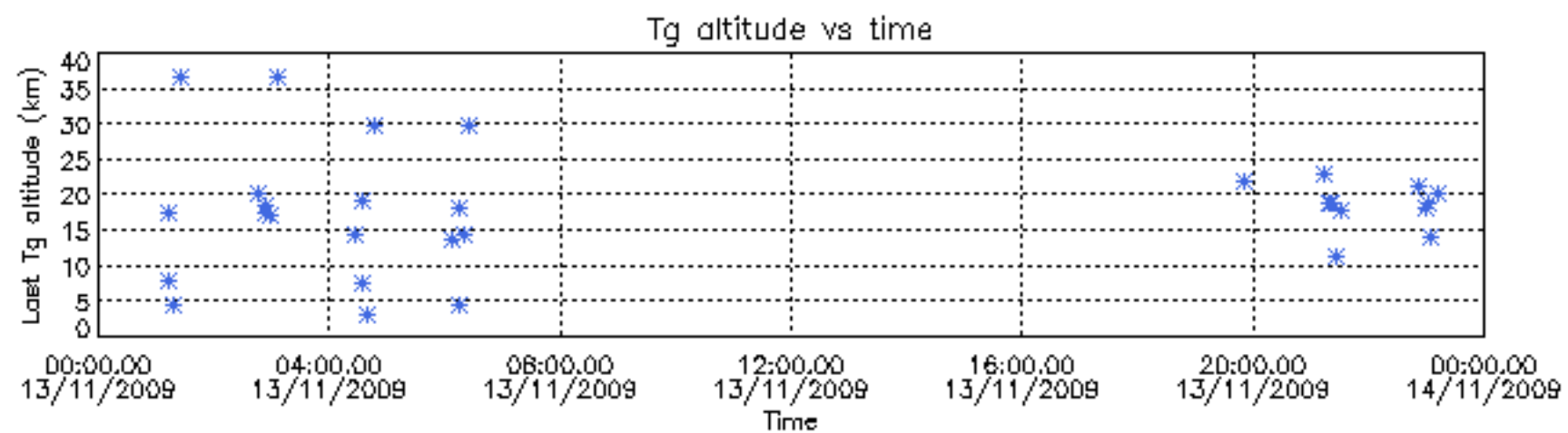
Percentage of star falling outside central band per profile



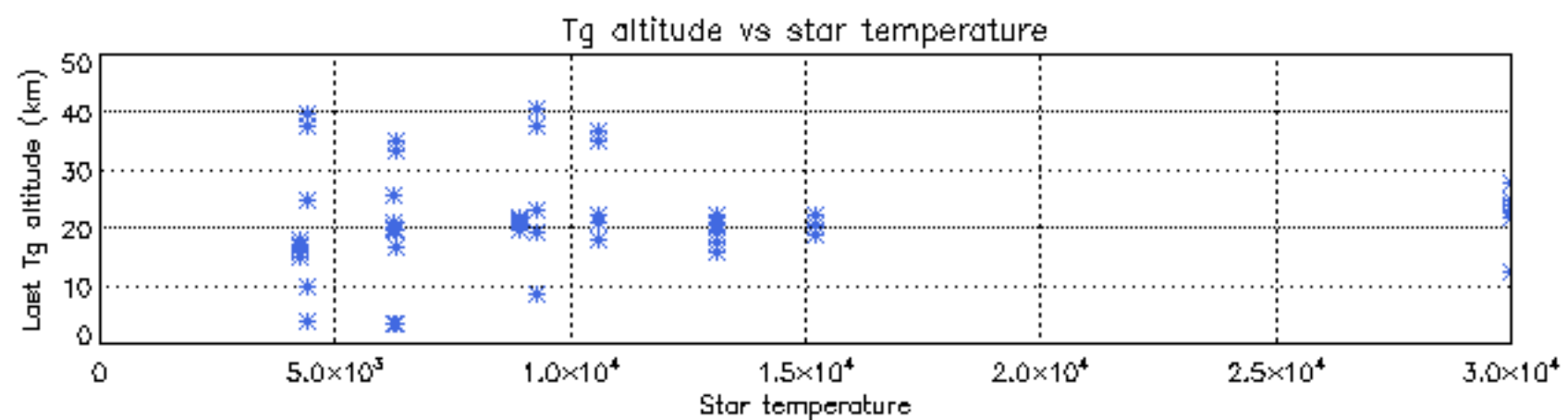
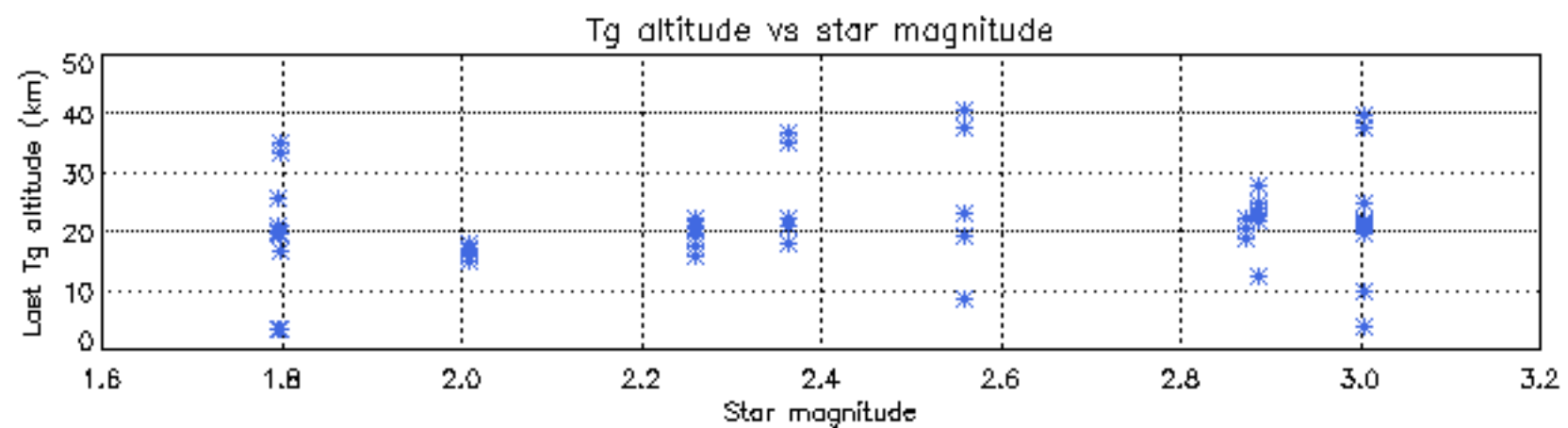
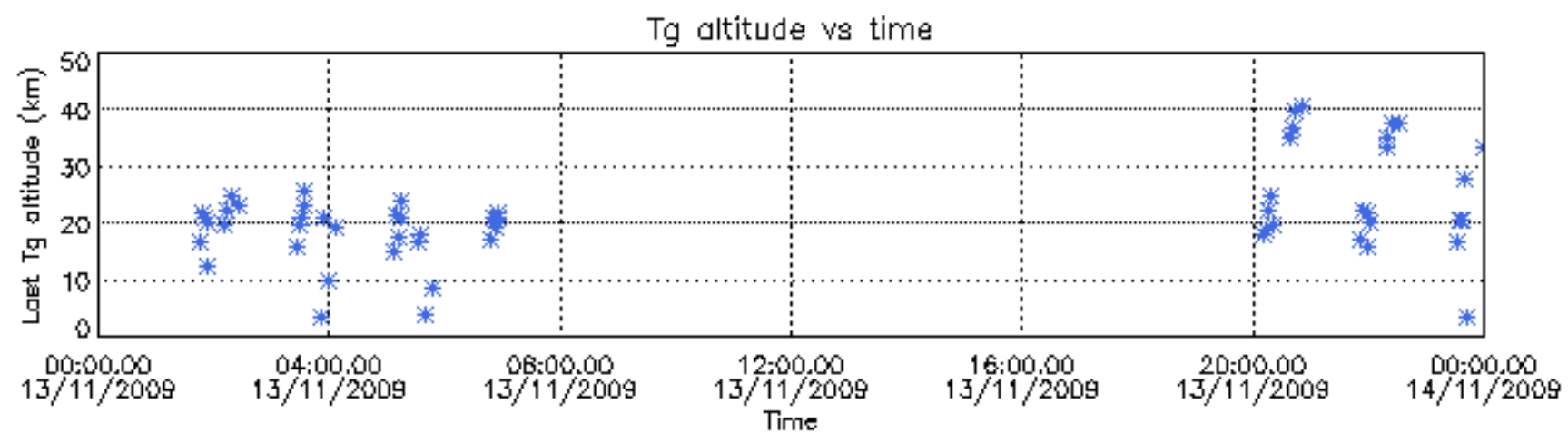
Percentage of saturation errors per profile

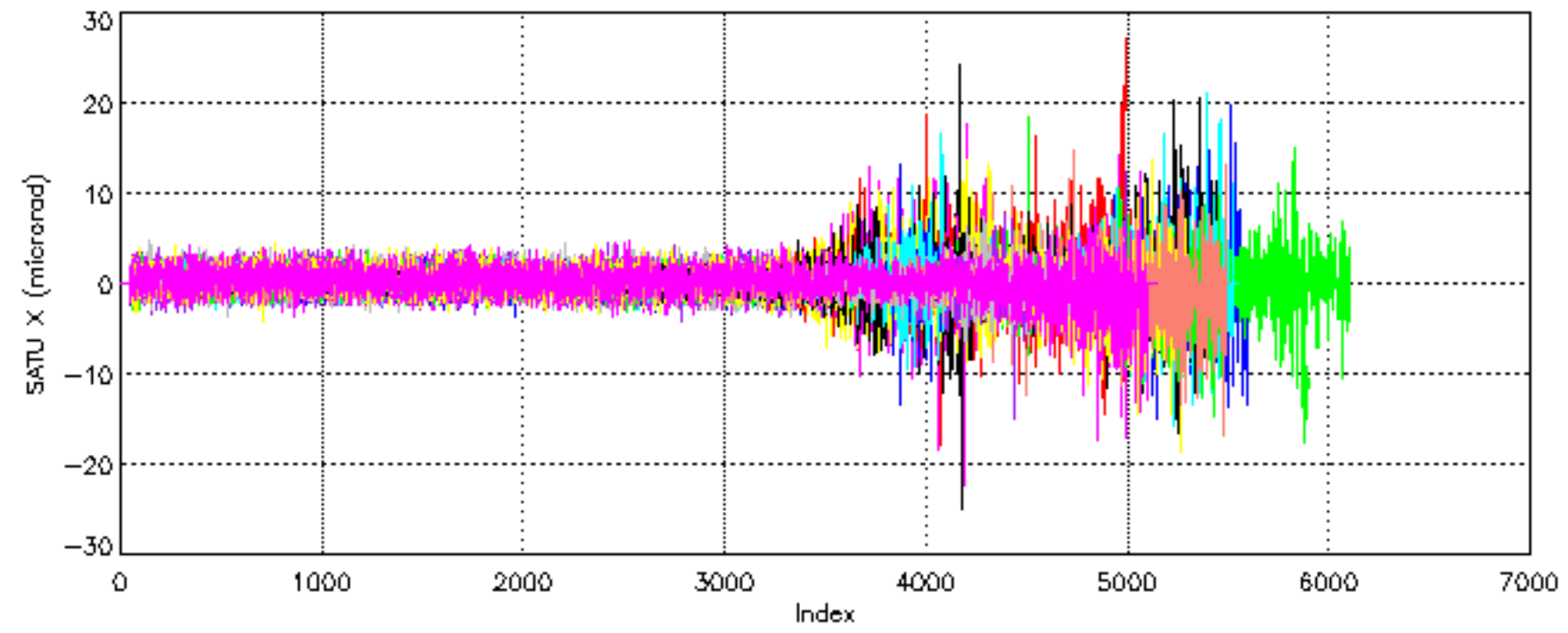


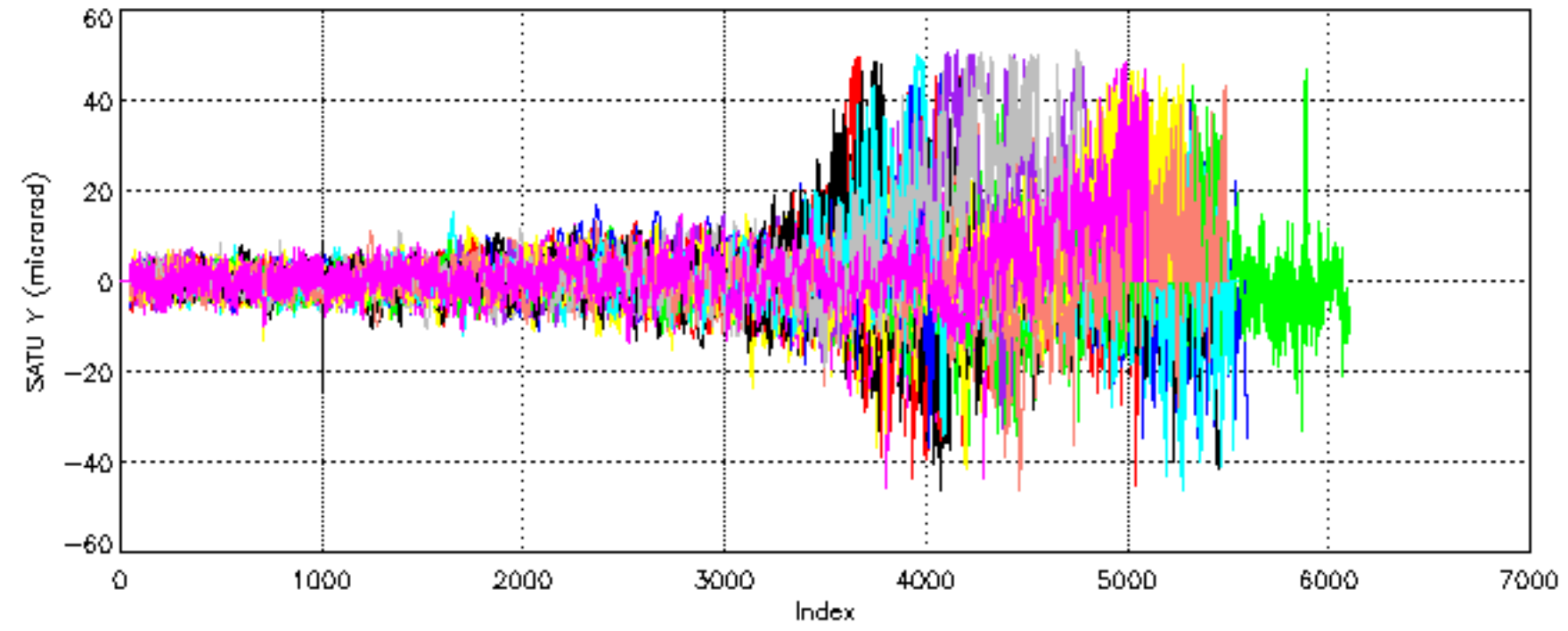
Tangent altitude at which the star is lost

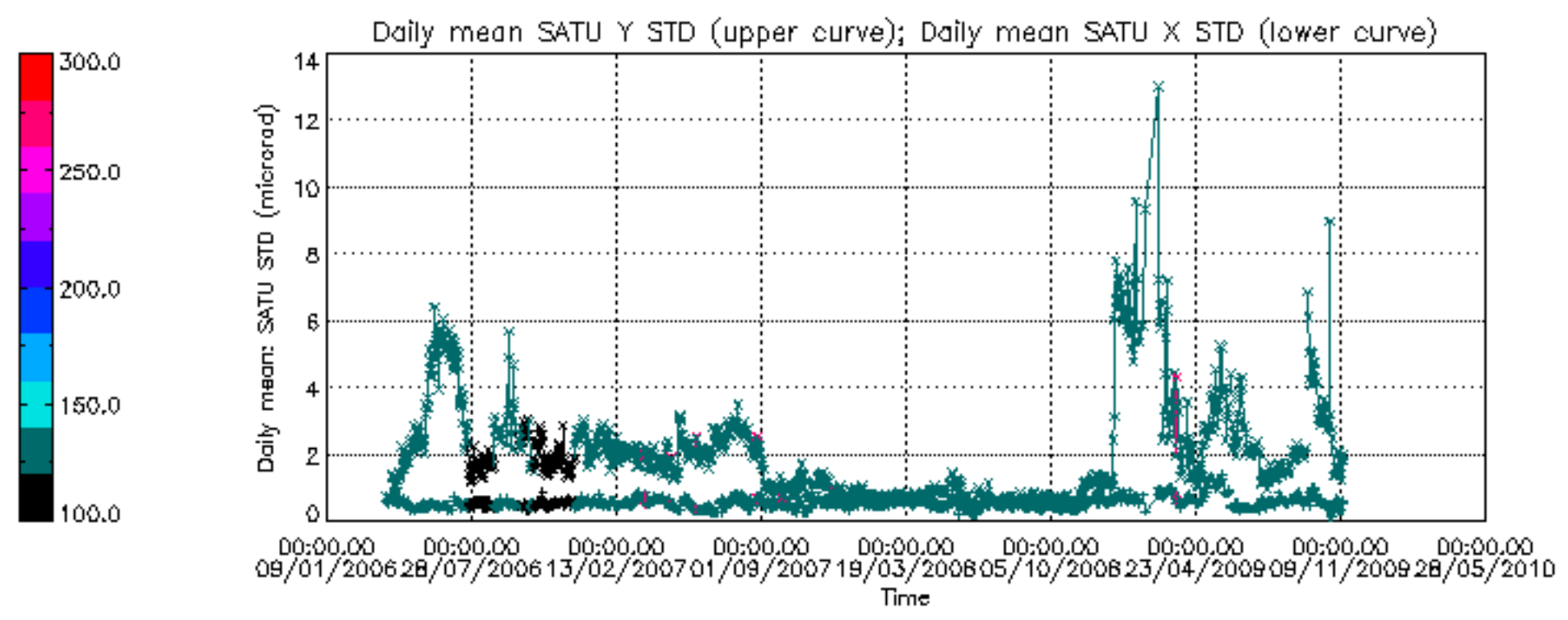


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20091101_003421_000055302083_00474_40107_8843.N1

1; -534.0; 01-NOV-2009 00:34:21; Dark ; 68.5; 48; 30Alp Hya ; 1.98; 4100;occ; 137; 0;40107
 2; -19.6; 01-NOV-2009 00:42:55; Dark ; 49.0; 65; Lam Vel ; 2.20; 4400;occ; 98; 0;40107
 3; 197.6; 01-NOV-2009 00:46:32; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;40108
 4; 348.1; 01-NOV-2009 00:49:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40108
 5; 524.1; 01-NOV-2009 00:51:59; Dark ; 51.0; 2; Alp Car ;-0.74; 7000;occ; 102; 0;40108
 6; 908.8; 01-NOV-2009 00:58:23; Dark ; 29.0; 108; Alp Col ; 2.65; 15200;occ; 58; 0;40108
 7; 2010.3; 01-NOV-2009 01:16:45; Dark ; 58.0; 94; 92Alp Cet ; 2.53; 3100;occ; 116; 0;40108
 8; 2273.3; 01-NOV-2009 01:21:08; Bright; 40.0; 105; 6Bet Ari ; 2.64; 8900;occ; 80; 0;40108
 9; 2538.3; 01-NOV-2009 01:25:33; Bright; 39.5; 173; 4Bet Tri ; 3.00; 8900;occ; 79; 0;40108
 10; 2660.8; 01-NOV-2009 01:27:35; Bright; 41.5; 73; 57Gam1And ; 2.26; 13100;occ; 83; 0;40108
 11; 2742.1; 01-NOV-2009 01:28:57; Bright; 46.0; 79; 26Bet Per ; 2.31; 13100;occ; 92; 0;40108
 12; 2934.3; 01-NOV-2009 01:32:09; Bright; 42.0; 160; 23Gam Per ; 2.93; 4700;occ; 84; 0;40108
 13; 3911.9; 01-NOV-2009 01:48:27; Bright; 38.5; 36; 50Alp UMa ; 1.80; 6300;occ; 77; 0;40108
 14; 4008.4; 01-NOV-2009 01:50:03; Bright; 38.0; 82; 48Bet UMa ; 2.37; 10600;occ; 76; 0;40108
 15; 4229.5; 01-NOV-2009 01:53:44; Bright; 38.5; 174; 52Psi UMa ; 3.00; 4400;occ; 77; 0;40108
 16; 4709.7; 01-NOV-2009 02:01:44; Bright; 46.0; 166; 17Eps Leo ; 2.98; 6000;occ; 92; 0;40108
 17; 4938.4; 01-NOV-2009 02:05:33; Bright; 58.0; 22; 32Alp Leo ; 1.36; 15200;occ; 116; 0;40108

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20091101_021458_000044602083_00475_40108_8844.N1

1; -532.5; 01-NOV-2009 02:14:58; Dark ; 66.0; 48; 30Alp Hya ; 1.98; 4100;occ; 132; 0;40108
 2; -18.6; 01-NOV-2009 02:23:32; Dark ; 45.5; 65; Lam Vel ; 2.20; 4400;occ; 91; 0;40108
 3; 198.7; 01-NOV-2009 02:27:09; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;40109
 4; 349.0; 01-NOV-2009 02:29:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40109
 5; 525.4; 01-NOV-2009 02:32:36; Dark ; 48.0; 2; Alp Car ;-0.74; 7000;occ; 96; 0;40109
 6; 910.1; 01-NOV-2009 02:39:01; Dark ; 29.0; 108; Alp Col ; 2.65; 15200;occ; 58; 0;40109
 7; 2010.1; 01-NOV-2009 02:57:21; Dark ; 56.5; 94; 92Alp Cet ; 2.53; 3100;occ; 113; 0;40109
 8; 2273.2; 01-NOV-2009 03:01:44; Bright; 38.5; 105; 6Bet Ari ; 2.64; 8900;occ; 77; 0;40109
 9; 2538.6; 01-NOV-2009 03:06:09; Bright; 39.0; 173; 4Bet Tri ; 3.00; 8900;occ; 78; 0;40109
 10; 2660.6; 01-NOV-2009 03:08:11; Bright; 40.5; 73; 57Gam1And ; 2.26; 13100;occ; 81; 0;40109
 11; 2741.6; 01-NOV-2009 03:09:32; Bright; 44.5; 79; 26Bet Per ; 2.31; 13100;occ; 89; 0;40109
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 18; 6598.7; 04-NOV-2009 12:42:34; Dark ; 62.0; 2; Alp Car ; -0.74; 7000;occ; 124; 0;40157
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 4; 2525.4; 04-NOV-2009 13:15:16; Bright; 38.0; 173; 4Bet Tri ; 3.00; 8900;occ; 76; 0;40158
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 12; 4770.1; 04-NOV-2009 13:52:41; Bright; 57.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 115; 0;40158
 13; 4972.4; 04-NOV-2009 13:56:03; Dark ; 61.5; 22; 32Alp Leo ; 1.36; 15200;occ; 123; 0;40158
 14; 6061.7; 04-NOV-2009 14:14:13; Dark ; 52.0; 65; Lam Vel ; 2.20; 4400;occ; 104; 0;40158
 15; 6206.6; 04-NOV-2009 14:16:37; Dark ; 50.5; 46; Del Vel ; 1.95; 10600;occ; 101; 0;40158
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 18; 6599.5; 04-NOV-2009 14:23:10; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;40158
 19; 6993.3; 04-NOV-2009 14:29:44; Dark ; 61.0; 108; Alp Col ; 2.65; 15200;occ; 122; 0;40158

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 12; 4770.8; 04-NOV-2009 15:33:18; Bright; 53.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 106; 0;40159
 13; 4973.4; 04-NOV-2009 15:36:40; Dark ; 64.5; 22; 32Alp Leo ; 1.36; 15200;occ; 129; 0;40159
 14; 6062.8; 04-NOV-2009 15:54:50; Dark ; 54.0; 65; Lam Vel ; 2.20; 4400;occ; 108; 0;40159
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 16; 6298.5; 04-NOV-2009 15:58:45; Dark ; 52.0; 70; Zet Pup ; 2.25; 39000;occ; 104; 0;40159
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 18; 6600.4; 04-NOV-2009 16:03:47; Dark ; 55.0; 2; Alp Car ; -0.74; 7000;occ; 110; 0;40159
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 9; 4229.8; 04-NOV-2009 17:04:53; Bright; 39.0; 174; 52Psi UMA ; 3.00; 4400;occ; 78; 0;40160
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 13; 6063.8; 04-NOV-2009 17:35:27; Dark ; 53.5; 65; Lam Vel ; 2.20; 4400;occ; 107; 0;40160
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9; 4229.7; 04-NOV-2009 18:45:28; Bright; 57.0; 174; 52Psi UMa ; 3.00; 4400;occ; 114; 0;40161
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13; 6064.6; 04-NOV-2009 19:16:03; Dark ; 58.0; 65; Lam Vel ; 2.20; 4400;occ; 116; 0;40161
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16; 6434.7; 04-NOV-2009 19:22:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40161
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6; 2647.4; 04-NOV-2009 19:59:42; Bright; 39.5; 73; 57Gam1And ; 2.26; 13100;occ; 79; 0;40162
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3; 268.5; 05-NOV-2009 00:21:51; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;40165
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6; 962.8; 05-NOV-2009 00:33:25; Dark ; 59.5; 108; Alp Col ; 2.65; 15200;occ; 119; 0;40165
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3; 269.9; 05-NOV-2009 02:02:28; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;40166
4; 402.4; 05-NOV-2009 02:04:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40166
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9; 271.0; 05-NOV-2009 03:43:05; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;40167
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4; 2508.5; 11-NOV-2009 12:54:52; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;40258
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6;	512.7;	23-NOV-2009	22:48:10;	Dark	;	50.5;	34;	Gam2Vel	;	1.79;	23000;occ;	101;	0;	40436
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5;	2617.4;	23-NOV-2009	08:17:52;	Bright;	;	38.0;	79;	26Bet Per	;	2.31;	13100;occ;	76;	0;	40427
6;	2766.3;	23-NOV-2009	08:20:21;	Bright;	;	39.0;	175;	39Del Per	;	3.01;	19400;occ;	78;	0;	40427
7;	3855.7;	23-NOV-2009	08:38:30;	Bright;	;	42.0;	36;	50Alp UMA	;	1.80;	6300;occ;	84;	0;	40427
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10;	4209.6;	23-NOV-2009	08:44:24;	Bright;	;	49.0;	174;	52Psi UMA	;	3.00;	4400;occ;	98;	0;	40427
11;	4340.2;	23-NOV-2009	08:46:35;	Bright;	;	33.5;	152;	12Alp2CVn	;	2.89;	11000;occ;	67;	0;	40427
12;	4857.8;	23-NOV-2009	08:55:12;	Bright;	;	49.5;	62;	94Bet Leo	;	2.14;	9700;occ;	99;	0;	40427
13;	5064.9;	23-NOV-2009	08:58:39;	Bright;	;	40.0;	121;	29Gam Vir	;	2.74;	7200;occ;	80;	0;	40427
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15;	5476.7;	23-NOV-2009	09:05:31;	Dark	;	44.5;	171;	2Eps Crv	;	3.00;	4250;occ;	89;	0;	40427
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5;	2765.9;	23-NOV-2009	10:00:56;	Bright;	;	39.0;	175;	39Del Per	;	3.01;	19400;occ;	78;	0;	40428
6;	3855.0;	23-NOV-2009	10:19:05;	Bright;	;	45.0;	36;	50Alp UMA	;	1.80;	6300;occ;	90;	0;	40428
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9;	4209.5;	23-NOV-2009	10:25:00;	Bright;	;	48.0;	174;	52Psi UMA	;	3.00;	4400;occ;	96;	0;	40428
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11;	4858.4;	23-NOV-2009	10:35:49;	Bright;	;	49.0;	62;	94Bet Leo	;	2.14;	9700;occ;	98;	0;	40428
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