

GOMOS Daily Report 14-SEP-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	16SEP2009 04:34:12
Data source version	GOMOS/5.00
Start time of products	14SEP2009 00:01:58
Stop time of products	14SEP2009 23:57:31
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)

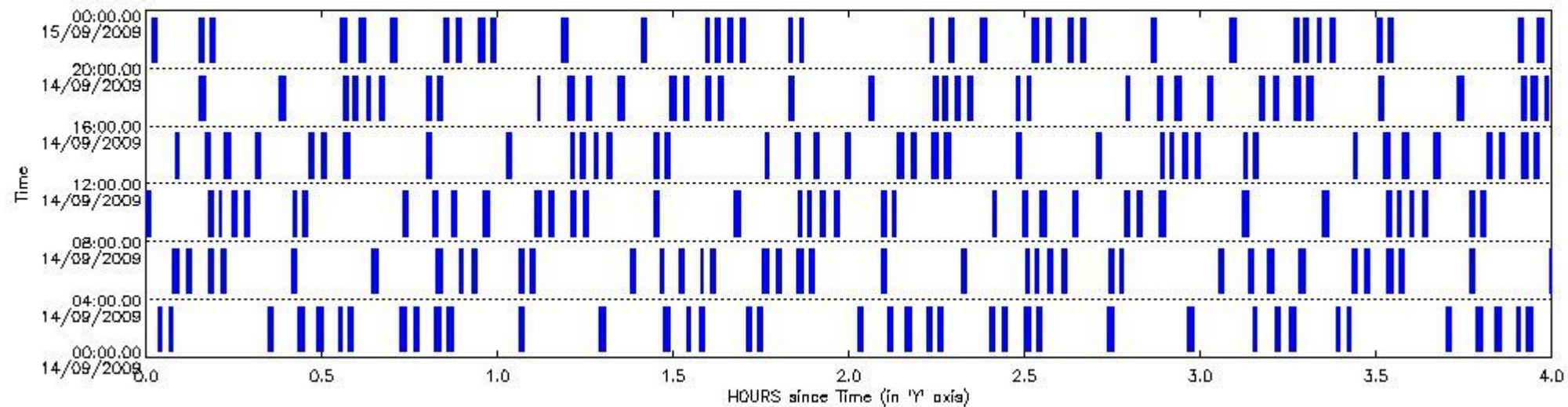
2.1 Level 0 products arrived in PCF (see template [here](#))

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.

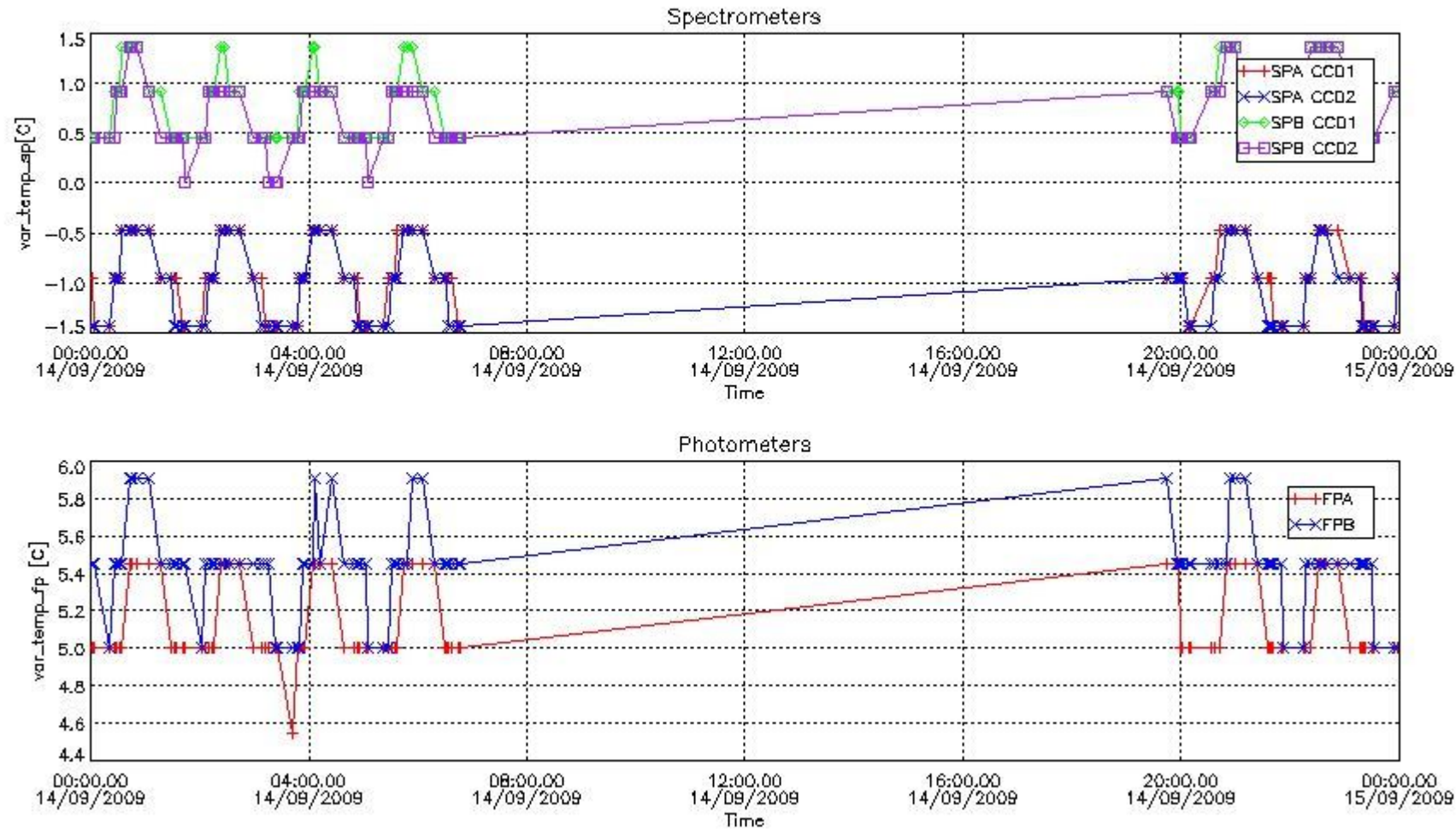
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20090914_000158_000000412082_00288_39420_3122.N1	14-SEP-2009 00:01:58	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	39420	No
2	GOM_TRA_1PNPDE20090914_000349_000000432082_00288_39420_3123.N1	14-SEP-2009 00:03:49	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39420	No
3	GOM_TRA_1PNPDE20090914_002051_000000522082_00288_39420_3124.N1	14-SEP-2009 00:20:51	Bright	52.000	42	34Bet Aur	1.9000	10200.	104	39420	No
4	GOM_TRA_1PNPDE20090914_002556_000000602082_00288_39420_3125.N1	14-SEP-2009 00:25:56	Bright	60.000	24	66Alp Gem	1.5800	10200.	120	39420	No
5	GOM_TRA_1PNPDE20090914_002903_000000622082_00288_39420_3126.N1	14-SEP-2009 00:29:03	Twilight	62.000	170	27Eps Gem	3.0000	9700.0	124	39420	No
6	GOM_TRA_1PNPDE20090914_003246_000000402082_00288_39420_3127.N1	14-SEP-2009 00:32:46	Straylight	40.000	44	24Gam Gem	1.9280	11000.	80	39420	No
7	GOM_TRA_1PNPDE20090914_003427_000000502082_00288_39420_3128.N1	14-SEP-2009 00:34:27	Twilight	50.000	8	10Alp CMi	0.40000	6500.0	100	39420	No
8	GOM_TRA_1PNPDE20090914_004320_000000572082_00288_39420_3269.N1	14-SEP-2009 00:43:20	Dark	57.000	1	9Alp CMa	-1.4400	11000.	114	39420	No
9	GOM_TRA_1PNPDE20090914_004538_000000502082_00288_39420_3270.N1	14-SEP-2009 00:45:38	Dark	50.000	23	21Eps CMa	1.5020	26000.	100	39420	No
10	GOM_TRA_1PNPDE20090914_005126_000000512082_00288_39420_3271.N1	14-SEP-2009 00:51:26	Dark	51.000	108	Alp Col	2.6520	15200.	102	39420	No
11	GOM_TRA_1PNPDE20090914_010333_000000562082_00289_39421_3272.N1	14-SEP-2009 01:03:33	Dark	55.500	157	The1Eri	2.9060	9300.0	111	39421	No
12	GOM_TRA_1PNPDE20090914_011717_000000592082_00289_39421_3273.N1	14-SEP-2009 01:17:17	Twilight	58.500	52	16Bet Cet	2.0370	4500.0	117	39421	No

13	GOM_TRA_1PNPDE20090914_012819_000000582082_00289_39421_3274.N1	14-SEP-2009 01:28:19	Bright	58.000	90	54Alp Peg	2.4870	11000.	116	39421	No
14	GOM_TRA_1PNPDE20090914_013213_000000402082_00289_39421_3275.N1	14-SEP-2009 01:32:13	Bright	40.000	93	53Bet Peg	2.5200	3100.0	80	39421	No
15	GOM_TRA_1PNPDE20090914_013430_000000502082_00289_39421_3276.N1	14-SEP-2009 01:34:30	Bright	49.500	58	21Alp And	2.0730	11000.	99	39421	No
16	GOM_TRA_1PNPDE20090914_014234_000000372082_00289_39421_3277.N1	14-SEP-2009 01:42:34	Bright	37.000	74	11Bet Cas	2.2680	6600.0	74	39421	No
17	GOM_TRA_1PNPDE20090914_014425_000000442082_00289_39421_3278.N1	14-SEP-2009 01:44:25	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	39421	No
18	GOM_TRA_1PNPDE20090914_020127_000000522082_00289_39421_3279.N1	14-SEP-2009 02:01:27	Bright	52.000	42	34Bet Aur	1.9000	10200.	104	39421	No
19	GOM_TRA_1PNPDE20090914_020632_000000452082_00289_39421_3280.N1	14-SEP-2009 02:06:32	Bright	44.500	24	66Alp Gem	1.5800	10200.	89	39421	No
20	GOM_TRA_1PNPDE20090914_020939_000000632082_00289_39421_3281.N1	14-SEP-2009 02:09:39	Twilight	63.000	170	27Eps Gem	3.0000	9700.0	126	39421	No
21	GOM_TRA_1PNPDE20090914_021322_000000402082_00289_39421_3282.N1	14-SEP-2009 02:13:22	Straylight	40.000	44	24Gam Gem	1.9280	11000.	80	39421	No
22	GOM_TRA_1PNPDE20090914_021503_000000582082_00289_39421_3283.N1	14-SEP-2009 02:15:03	Twilight	58.000	8	10Alp CMi	0.40000	6500.0	116	39421	No
23	GOM_TRA_1PNPDE20090914_022356_000000592082_00289_39421_3397.N1	14-SEP-2009 02:23:56	Dark	58.500	1	9Alp CMa	-1.4400	11000.	117	39421	No
24	GOM_TRA_1PNPDE20090914_022615_000000452082_00289_39421_3398.N1	14-SEP-2009 02:26:15	Dark	44.500	23	21Eps CMa	1.5020	26000.	89	39421	No
25	GOM_TRA_1PNPDE20090914_023203_000000552082_00289_39421_3399.N1	14-SEP-2009 02:32:03	Dark	54.500	108	Alp Col	2.6520	15200.	109	39421	No
26	GOM_TRA_1PNPDE20090914_024410_000000542082_00290_39422_3400.N1	14-SEP-2009 02:44:10	Dark	54.000	157	The1Eri	2.9060	9300.0	108	39422	No
27	GOM_TRA_1PNPDE20090914_025753_000000582082_00290_39422_3401.N1	14-SEP-2009 02:57:53	Twilight	58.000	52	16Bet Cet	2.0370	4500.0	116	39422	No
28	GOM_TRA_1PNPDE20090914_030854_000000412082_00290_39422_3402.N1	14-SEP-2009 03:08:54	Bright	41.000	90	54Alp Peg	2.4870	11000.	82	39422	No
29	GOM_TRA_1PNPDE20090914_031249_000000422082_00290_39422_3403.N1	14-SEP-2009 03:12:49	Bright	42.000	93	53Bet Peg	2.5200	3100.0	84	39422	No
30	GOM_TRA_1PNPDE20090914_031505_000000722082_00290_39422_3404.N1	14-SEP-2009 03:15:05	Bright	72.000	58	21Alp And	2.0730	11000.	144	39422	No
31	GOM_TRA_1PNPDE20090914_032309_000000422082_00290_39422_3405.N1	14-SEP-2009 03:23:09	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	39422	No
32	GOM_TRA_1PNPDE20090914_032500_000000432082_00290_39422_3406.N1	14-SEP-2009 03:25:00	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39422	No
33	GOM_TRA_1PNPDE20090914_034202_000000472082_00290_39422_3557.N1	14-SEP-2009 03:42:02	Bright	47.000	42	34Bet Aur	1.9000	10200.	94	39422	No
34	GOM_TRA_1PNPDE20090914_034708_000000612082_00290_39422_3558.N1	14-SEP-2009 03:47:08	Bright	61.000	24	66Alp Gem	1.5800	10200.	122	39422	No
35	GOM_TRA_1PNPDE20090914_035016_000000612082_00290_39422_3559.N1	14-SEP-2009 03:50:16	Twilight	60.500	170	27Eps Gem	3.0000	9700.0	121	39422	No
36	GOM_TRA_1PNPDE20090914_035359_000000322082_00290_39422_3560.N1	14-SEP-2009 03:53:59	Straylight	32.000	44	24Gam Gem	1.9280	11000.	64	39422	No
37	GOM_TRA_1PNPDE20090914_035539_000000612082_00290_39422_3561.N1	14-SEP-2009 03:55:39	Twilight	61.000	8	10Alp CMi	0.40000	6500.0	122	39422	No
38	GOM_TRA_1PNPDE20090914_040433_000000572082_00290_39422_3562.N1	14-SEP-2009 04:04:33	Dark	56.500	1	9Alp CMa	-1.4400	11000.	113	39422	No
39	GOM_TRA_1PNPDE20090914_040651_000000452082_00290_39422_3563.N1	14-SEP-2009 04:06:51	Dark	44.500	23	21Eps CMa	1.5020	26000.	89	39422	No
40	GOM_TRA_1PNPDE20090914_041240_000000502082_00290_39422_3564.N1	14-SEP-2009 04:12:40	Dark	49.500	108	Alp Col	2.6520	15200.	99	39422	No
41	GOM_TRA_1PNPDE20090914_042447_000000552082_00291_39423_3565.N1	14-SEP-2009 04:24:47	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39423	No
42	GOM_TRA_1PNPDE20090914_043830_000000572082_00291_39423_3566.N1	14-SEP-2009 04:38:30	Twilight	56.500	52	16Bet Cet	2.0370	4500.0	113	39423	No
43	GOM_TRA_1PNPDE20090914_044930_000000582082_00291_39423_3567.N1	14-SEP-2009 04:49:30	Bright	58.000	90	54Alp Peg	2.4870	11000.	116	39423	No
44	GOM_TRA_1PNPDE20090914_045324_000000402082_00291_39423_3568.N1	14-SEP-2009 04:53:24	Bright	39.500	93	53Bet Peg	2.5200	3100.0	79	39423	No
45	GOM_TRA_1PNPDE20090914_045541_000000482082_00291_39423_3569.N1	14-SEP-2009 04:55:41	Bright	47.500	58	21Alp And	2.0730	11000.	95	39423	No
46	GOM_TRA_1PNPDE20090914_050345_000000422082_00291_39423_3570.N1	14-SEP-2009 05:03:45	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	39423	No
47	GOM_TRA_1PNPDE20090914_050535_000000442082_00291_39423_3571.N1	14-SEP-2009 05:05:35	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	39423	No
48	GOM_TRA_1PNPDE20090914_052238_000000472082_00291_39423_3736.N1	14-SEP-2009 05:22:38	Bright	47.000	42	34Bet Aur	1.9000	10200.	94	39423	No
49	GOM_TRA_1PNPDE20090914_052744_000000412082_00291_39423_3737.N1	14-SEP-2009 05:27:44	Bright	41.000	24	66Alp Gem	1.5800	10200.	82	39423	No
50	GOM_TRA_1PNPDE20090914_053052_000000612082_00291_39423_3738.N1	14-SEP-2009 05:30:52	Twilight	60.500	170	27Eps Gem	3.0000	9700.0	121	39423	No
51	GOM_TRA_1PNPDE20090914_053435_000000322082_00291_39423_3739.N1	14-SEP-2009 05:34:35	Straylight	32.000	44	24Gam Gem	1.9280	11000.	64	39423	No
52	GOM_TRA_1PNPDE20090914_053616_000000582082_00291_39423_3740.N1	14-SEP-2009 05:36:16	Twilight	57.500	8	10Alp CMi	0.40000	6500.0	115	39423	No
53	GOM_TRA_1PNPDE20090914_054510_000000592082_00291_39423_3741.N1	14-SEP-2009 05:45:10	Dark	59.000	1	9Alp CMa	-1.4400	11000.	118	39423	No
54	GOM_TRA_1PNPDE20090914_054728_000000502082_00291_39423_3742.N1	14-SEP-2009 05:47:28	Dark	50.000	23	21Eps CMa	1.5020	26000.	100	39423	No
55	GOM_TRA_1PNPDE20090914_055317_000000512082_00291_39423_3743.N1	14-SEP-2009 05:53:17	Dark	50.500	108	Alp Col	2.6520	15200.	101	39423	No
56	GOM_TRA_1PNPDE20090914_060524_000000572082_00292_39424_3744.N1	14-SEP-2009 06:05:24	Dark	56.500	157	The1Eri	2.9060	9300.0	113	39424	No
57	GOM_TRA_1PNPDE20090914_061906_000000602082_00292_39424_3745.N1	14-SEP-2009 06:19:06	Twilight	59.500	52	16Bet Cet	2.0370	4500.0	119	39424	No
58	GOM_TRA_1PNPDE20090914_063006_000000402082_00292_39424_3746.N1	14-SEP-2009 06:30:06	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	39424	No
59	GOM_TRA_1PNPDE20090914_063147_000000292082_00292_39424_3747.N1	14-SEP-2009 06:31:47	Twilight	29.000	140	88Gam Peg	2.8340	26000.	58	39424	No
60	GOM_TRA_1PNPDE20090914_063400_000000412082_00292_39424_3748.N1	14-SEP-2009 06:34:00	Bright	41.000	93	53Bet Peg	2.5200	3100.0	82	39424	No
61	GOM_TRA_1PNPDE20090914_063616_000000492082_00292_39424_3749.N1	14-SEP-2009 06:36:16	Bright	49.000	58	21Alp And	2.0730	11000.	98	39424	No
62	GOM_TRA_1PNPDE20090914_064420_000000432082_00292_39424_3750.N1	14-SEP-2009 06:44:20	Bright	42.500	74	11Bet Cas	2.2680	6600.0	85	39424	No
63	GOM_TRA_1PNPDE20090914_064611_000000442082_00292_39424_3751.N1	14-SEP-2009 06:46:11	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	39424	No
64	GOM_TRA_1PNPDE20090914_194354_000000592082_00300_39432_4162.N1	14-SEP-2009 19:43:54	Twilight	59.000	52	16Bet Cet	2.0370	4500.0	118	39432	No
65	GOM_TRA_1PNPDE20090914_195452_000000402082_00300_39432_4163.N1	14-SEP-2009 19:54:52	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	39432	No
66	GOM_TRA_1PNPDE20090914_195629_000000562082_00300_39432_4164.N1	14-SEP-2009 19:56:29	Bright	56.000	140	88Gam Peg	2.8340	26000.	112	39432	No
67	GOM_TRA_1PNPDE20090914_195845_000000422082_00300_39432_4165.N1	14-SEP-2009 19:58:45	Bright	42.000	93	53Bet Peg	2.5200	3100.0	84	39432	No
68	GOM_TRA_1PNPDE20090914_200057_000000482082_00300_39432_4166.N1	14-SEP-2009 20:00:57	Bright	48.000	58	21Alp And	2.0730	11000.	96	39432	No
69	GOM_TRA_1PNPDE20090914_200904_000000422082_00300_39432_4167.N1	14-SEP-2009 20:09:04	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	39432	No
70	GOM_TRA_1PNPDE20090914_201054_000000432082_00300_39432_4168.N1	14-SEP-2009 20:10:54	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39432	No
71	GOM_TRA_1PNPDE20090914_203309_000000622082_00300_39432_4169.N1	14-SEP-2009 20:33:09	Bright	62.000	24	66Alp Gem	1.5800	10200.	124	39432	No

72	GOM_TRA_1PNPDE20090914_203618_000000662082_00300_39432_4170.N1	14-SEP-2009 20:36:18	Twilight	66.000	170	27Eps Gem	3.0000	9700.0	132	39432	No
73	GOM_TRA_1PNPDE20090914_204144_000000562082_00300_39432_4171.N1	14-SEP-2009 20:41:44	Twilight	56.000	8	10Alp CMI	0.40000	6500.0	112	39432	No
74	GOM_TRA_1PNPDE20090914_205043_000000572082_00300_39432_4310.N1	14-SEP-2009 20:50:43	Dark	57.000	1	9Alp CMa	-1.4400	11000.	114	39432	No
75	GOM_TRA_1PNPDE20090914_205259_000000472082_00300_39432_4311.N1	14-SEP-2009 20:52:59	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	39432	No
76	GOM_TRA_1PNPDE20090914_205851_000000512082_00300_39432_4312.N1	14-SEP-2009 20:58:51	Dark	50.500	108	Alp Col	2.6520	15200.	101	39432	No
77	GOM_TRA_1PNPDE20090914_211057_000000552082_00301_39433_4313.N1	14-SEP-2009 21:10:57	Dark	54.500	157	The1Eri	2.9060	9300.0	109	39433	No
78	GOM_TRA_1PNPDE20090914_212430_000000582082_00301_39433_4314.N1	14-SEP-2009 21:24:30	Twilight	58.000	52	16Bet Cet	2.0370	4500.0	116	39433	No
79	GOM_TRA_1PNPDE20090914_213527_000000392082_00301_39433_4315.N1	14-SEP-2009 21:35:27	Bright	38.500	90	54Alp Peg	2.4870	11000.	77	39433	No
80	GOM_TRA_1PNPDE20090914_213704_000000502082_00301_39433_4316.N1	14-SEP-2009 21:37:04	Bright	50.000	140	88Gam Peg	2.8340	26000.	100	39433	No
81	GOM_TRA_1PNPDE20090914_213921_000000402082_00301_39433_4317.N1	14-SEP-2009 21:39:21	Bright	40.000	93	53Bet Peg	2.5200	3100.0	80	39433	No
82	GOM_TRA_1PNPDE20090914_214132_000000482082_00301_39433_4318.N1	14-SEP-2009 21:41:32	Bright	48.000	58	21Alp And	2.0730	11000.	96	39433	No
83	GOM_TRA_1PNPDE20090914_214939_000000422082_00301_39433_4319.N1	14-SEP-2009 21:49:39	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	39433	No
84	GOM_TRA_1PNPDE20090914_215129_000000442082_00301_39433_4320.N1	14-SEP-2009 21:51:29	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	39433	No
85	GOM_TRA_1PNPDE20090914_221344_000000412082_00301_39433_4321.N1	14-SEP-2009 22:13:44	Bright	40.500	24	66Alp Gem	1.5800	10200.	81	39433	No
86	GOM_TRA_1PNPDE20090914_221655_000000652082_00301_39433_4322.N1	14-SEP-2009 22:16:55	Twilight	64.500	170	27Eps Gem	3.0000	9700.0	129	39433	No
87	GOM_TRA_1PNPDE20090914_222220_000000612082_00301_39433_4323.N1	14-SEP-2009 22:22:20	Twilight	61.000	8	10Alp CMI	0.40000	6500.0	122	39433	No
88	GOM_TRA_1PNPDE20090914_223119_000000632082_00301_39433_4465.N1	14-SEP-2009 22:31:19	Dark	62.500	1	9Alp CMa	-1.4400	11000.	125	39433	No
89	GOM_TRA_1PNPDE20090914_223336_000000502082_00301_39433_4466.N1	14-SEP-2009 22:33:36	Dark	50.000	23	21Eps CMa	1.5020	26000.	100	39433	No
90	GOM_TRA_1PNPDE20090914_223928_000000522082_00301_39433_4467.N1	14-SEP-2009 22:39:28	Dark	51.500	108	Alp Col	2.6520	15200.	103	39433	No
91	GOM_TRA_1PNPDE20090914_225134_000000542082_00302_39434_4468.N1	14-SEP-2009 22:51:34	Dark	54.000	157	The1Eri	2.9060	9300.0	108	39434	No
92	GOM_TRA_1PNPDE20090914_230506_000000582082_00302_39434_4469.N1	14-SEP-2009 23:05:06	Twilight	58.000	52	16Bet Cet	2.0370	4500.0	116	39434	No
93	GOM_TRA_1PNPDE20090914_231603_000000392082_00302_39434_4470.N1	14-SEP-2009 23:16:03	Bright	39.000	90	54Alp Peg	2.4870	11000.	78	39434	No
94	GOM_TRA_1PNPDE20090914_231739_000000502082_00302_39434_4471.N1	14-SEP-2009 23:17:39	Bright	49.500	140	88Gam Peg	2.8340	26000.	99	39434	No
95	GOM_TRA_1PNPDE20090914_231957_000000422082_00302_39434_4472.N1	14-SEP-2009 23:19:57	Bright	42.000	93	53Bet Peg	2.5200	3100.0	84	39434	No
96	GOM_TRA_1PNPDE20090914_232208_000000482082_00302_39434_4473.N1	14-SEP-2009 23:22:08	Bright	48.000	58	21Alp And	2.0730	11000.	96	39434	No
97	GOM_TRA_1PNPDE20090914_233015_000000382082_00302_39434_4474.N1	14-SEP-2009 23:30:15	Bright	37.500	74	11Bet Cas	2.2680	6600.0	75	39434	No
98	GOM_TRA_1PNPDE20090914_233204_000000422082_00302_39434_4475.N1	14-SEP-2009 23:32:04	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	39434	No
99	GOM_TRA_1PNPDE20090914_235421_000000452082_00302_39434_4476.N1	14-SEP-2009 23:54:21	Bright	45.000	24	66Alp Gem	1.5800	10200.	90	39434	No
100	GOM_TRA_1PNPDE20090914_235731_000000652082_00302_39434_4477.N1	14-SEP-2009 23:57:31	Twilight	65.000	170	27Eps Gem	3.0000	9700.0	130	39434	No

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



4. Overview of dark signal processing per product

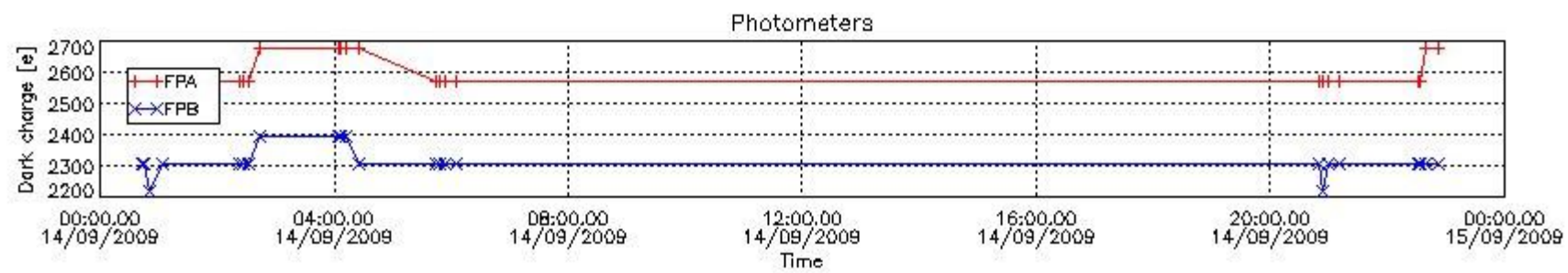
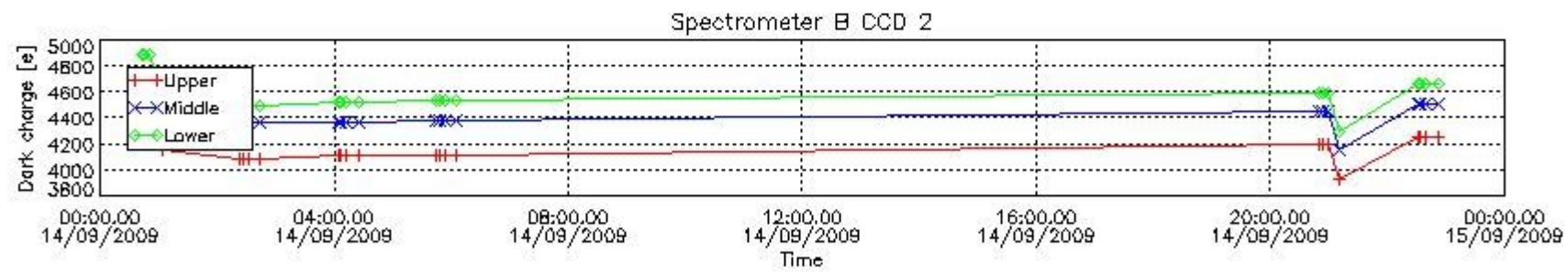
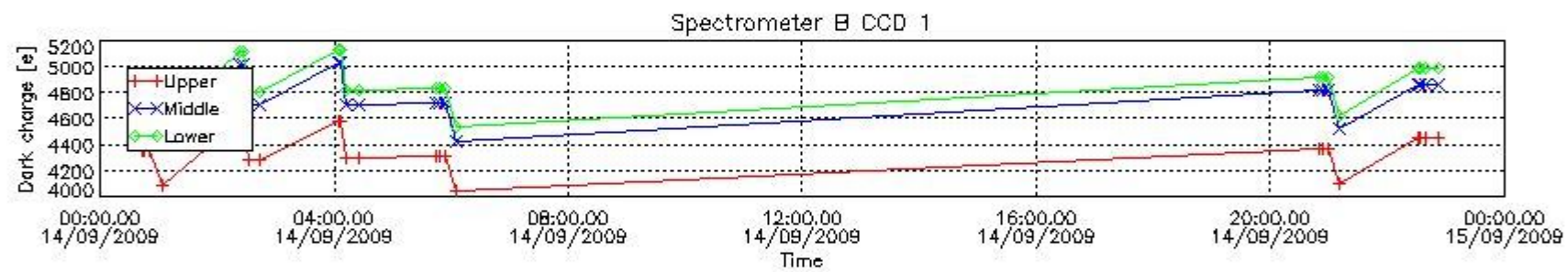
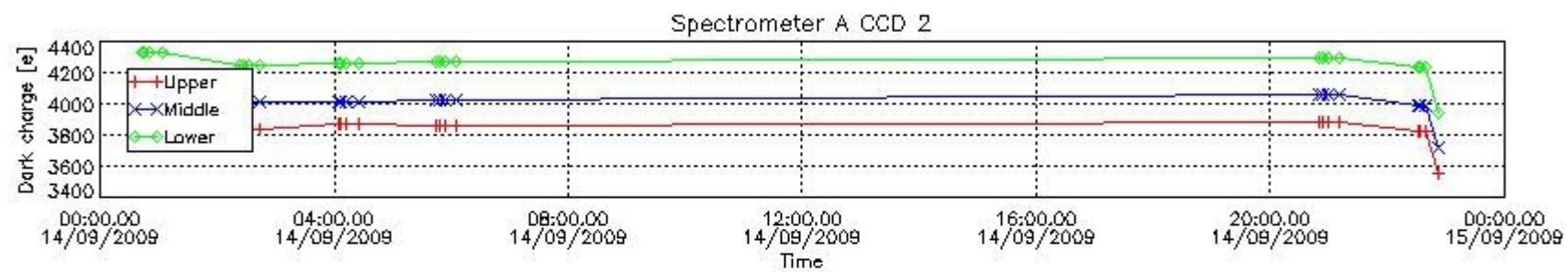
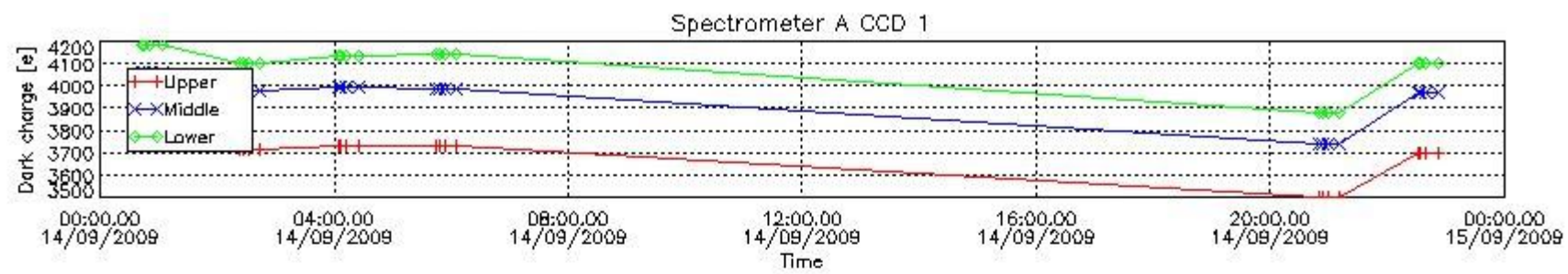
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20090914_194354_000000592082_00300_39432_4162.N1	DC map used
GOM_TRA_1PNPDE20090914_195452_000000402082_00300_39432_4163.N1	DC map used
GOM_TRA_1PNPDE20090914_195629_000000562082_00300_39432_4164.N1	DC map used
GOM_TRA_1PNPDE20090914_195845_000000422082_00300_39432_4165.N1	DC map used
GOM_TRA_1PNPDE20090914_200057_000000482082_00300_39432_4166.N1	DC map used
GOM_TRA_1PNPDE20090914_200904_000000422082_00300_39432_4167.N1	DC map used
GOM_TRA_1PNPDE20090914_201054_000000432082_00300_39432_4168.N1	DC map used
GOM_TRA_1PNPDE20090914_203309_000000622082_00300_39432_4169.N1	DC map used
GOM_TRA_1PNPDE20090914_203618_000000662082_00300_39432_4170.N1	DC map used
GOM_TRA_1PNPDE20090914_204144_000000562082_00300_39432_4171.N1	DC map used

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



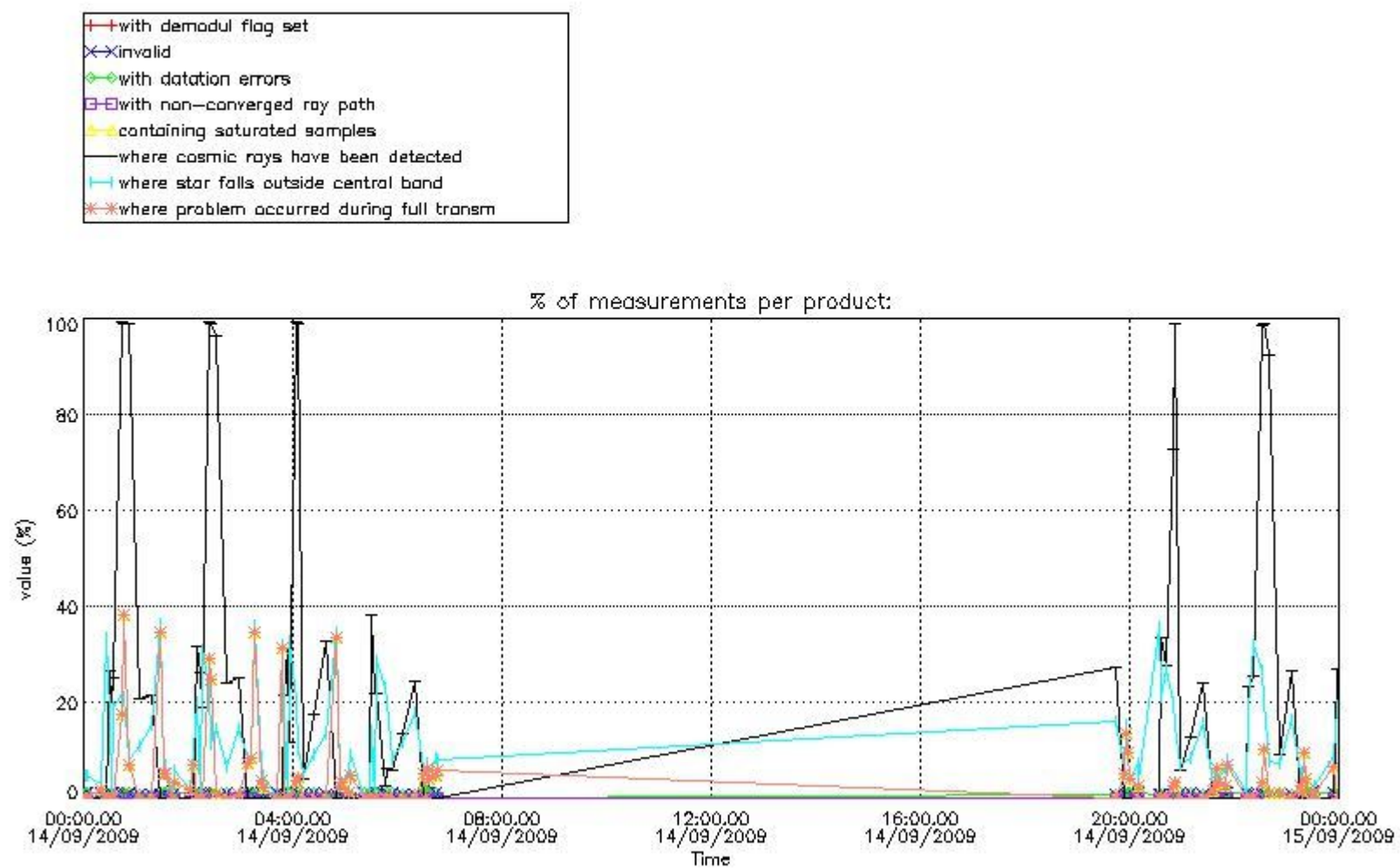
5. Demodulation flag and quality information monitoring

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.

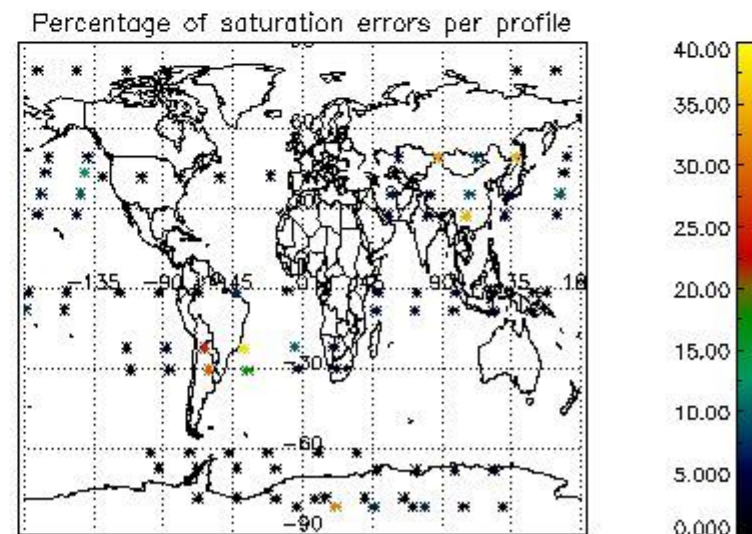
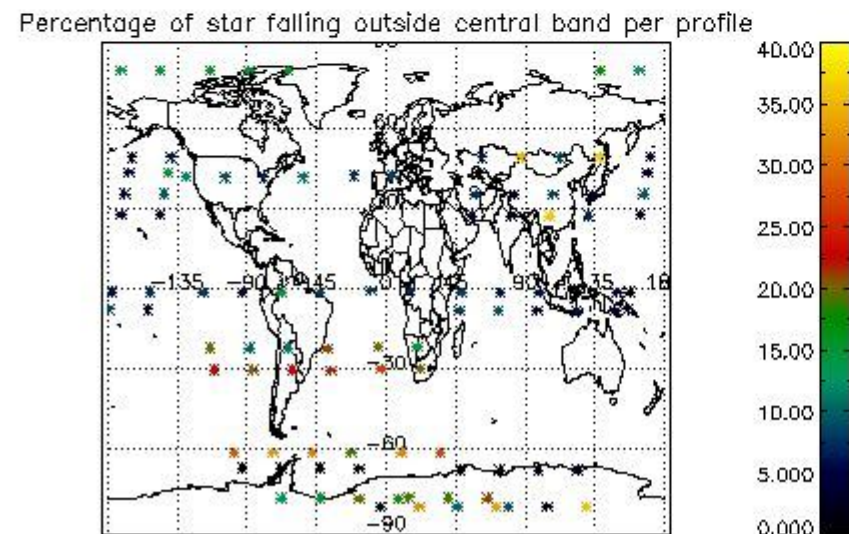
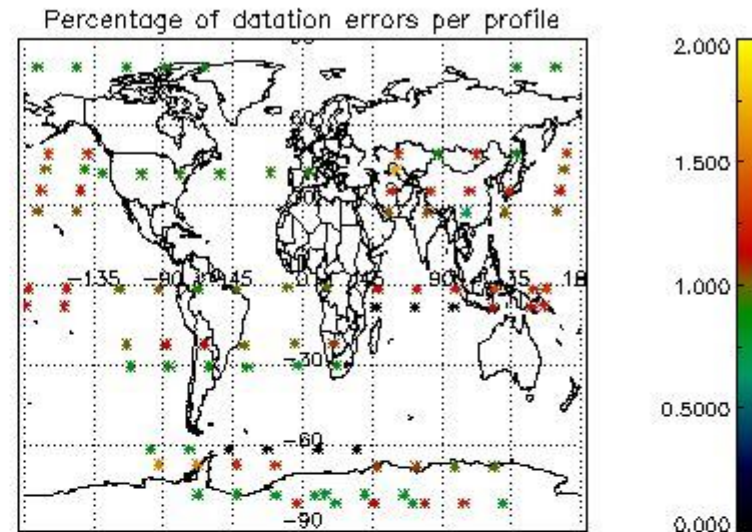
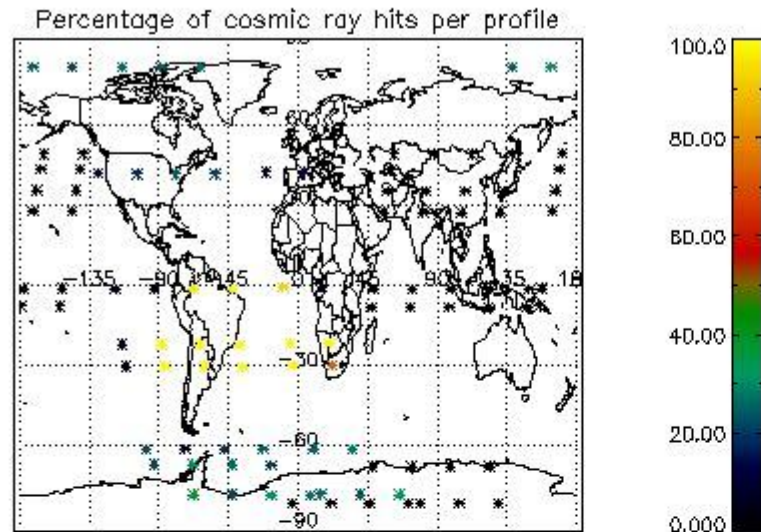
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	30.0000 %
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)



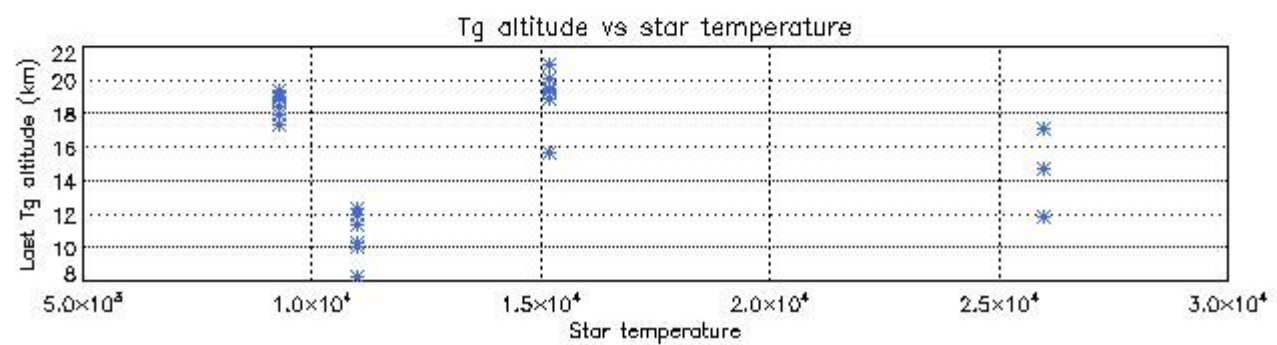
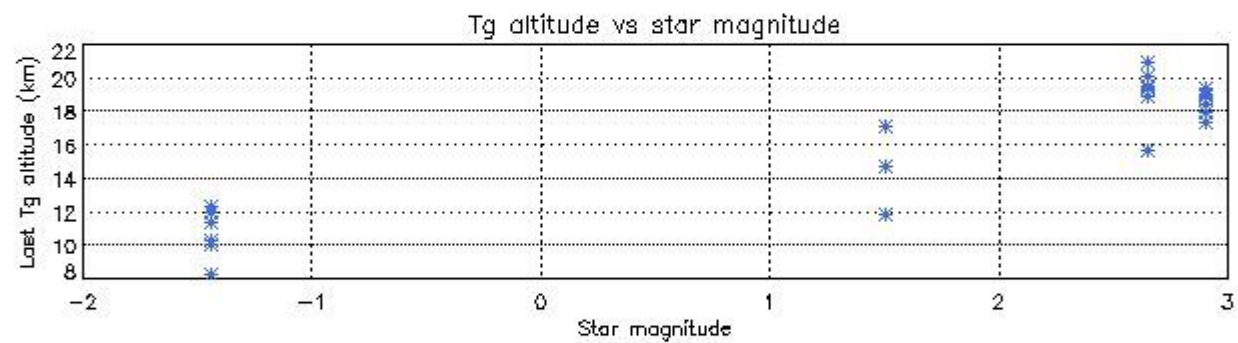
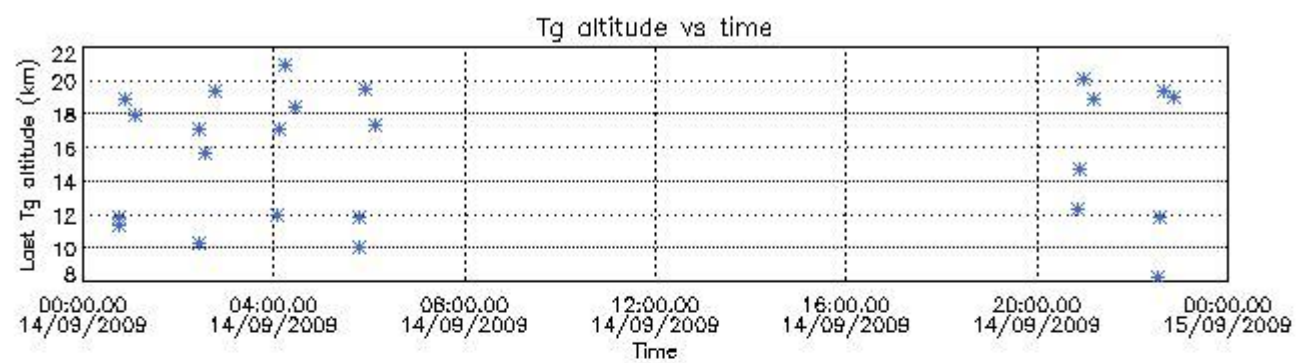
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.573	19.571	6.7972
St. deviation:	3.8672	6.4137	2.5822
Maximum:	20.877	30.404	11.571
Minimum:	8.2864	3.2141	4.3328
Number of data:	24.000	51.000	6.0000

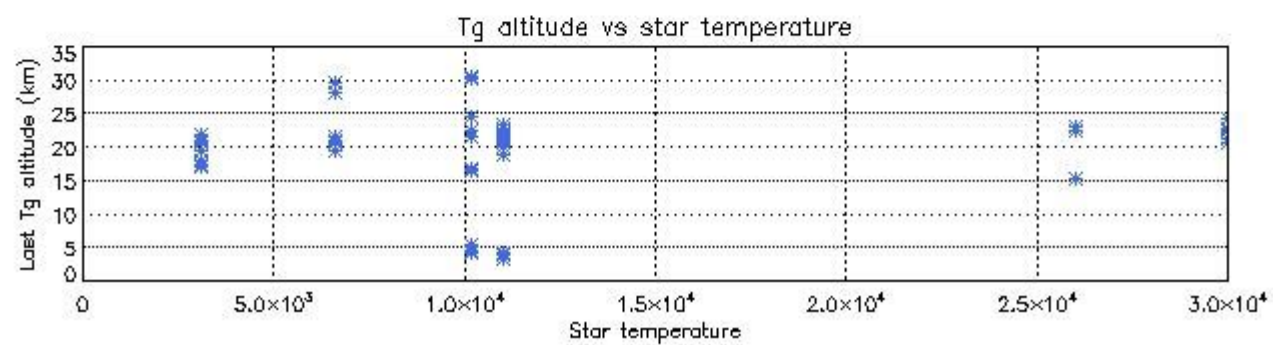
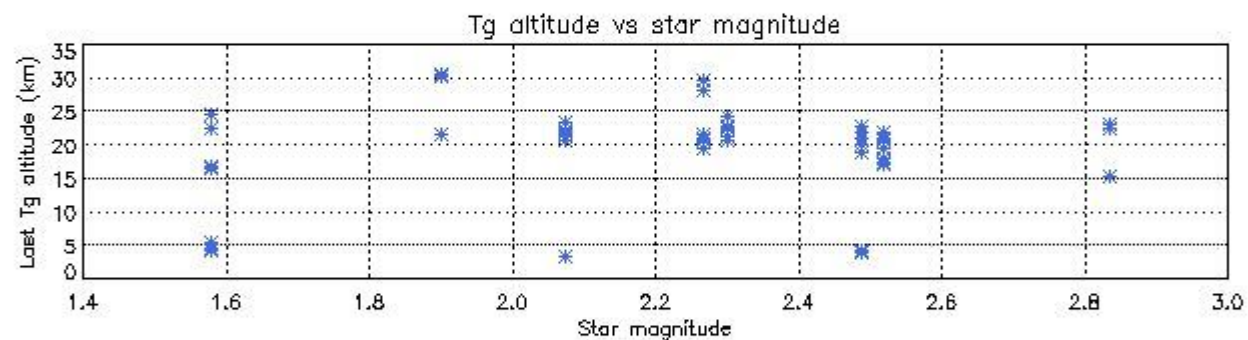
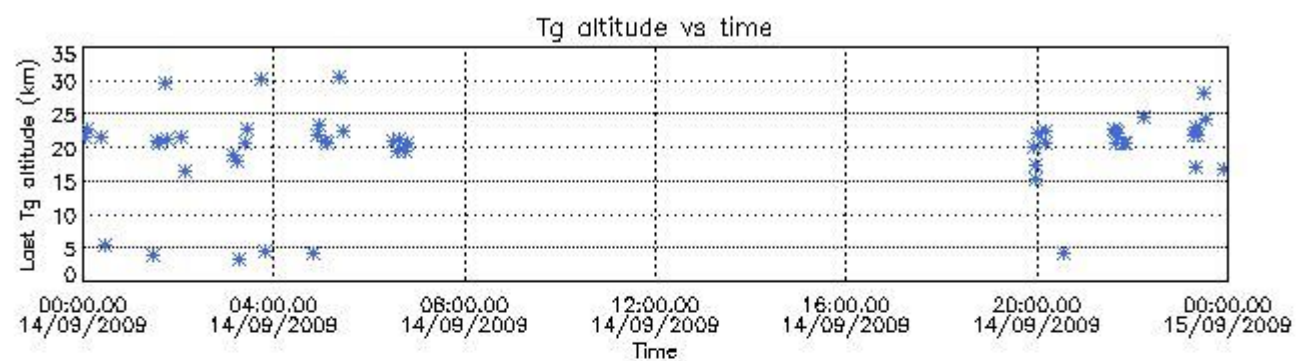
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



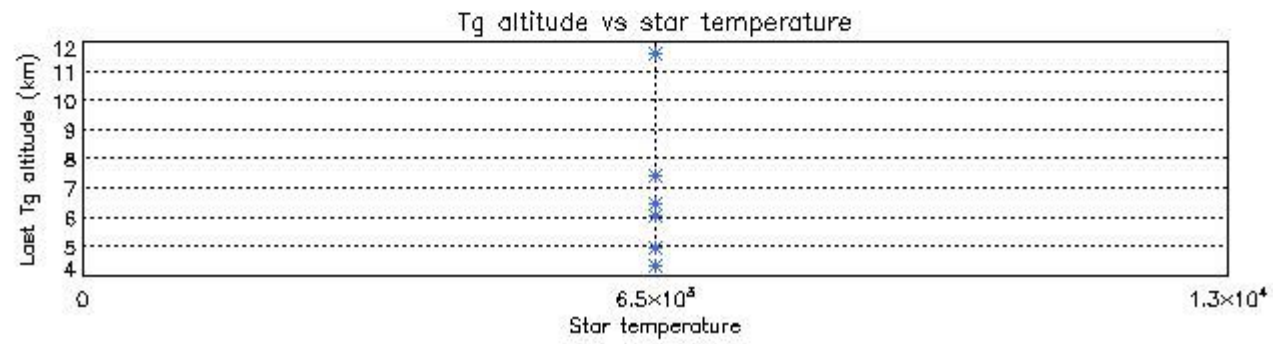
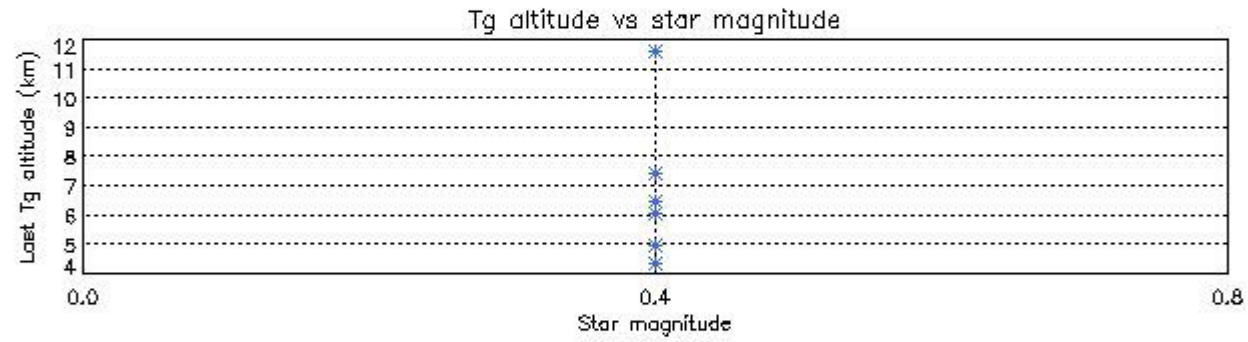
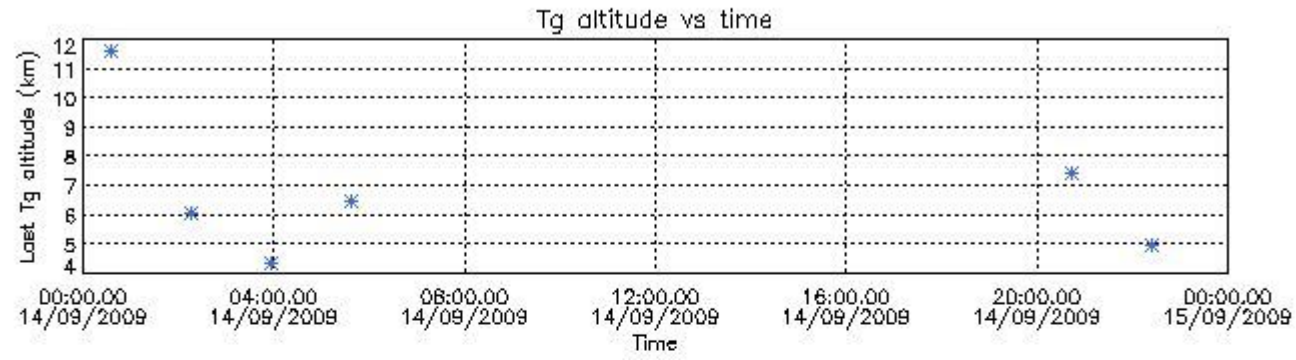
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

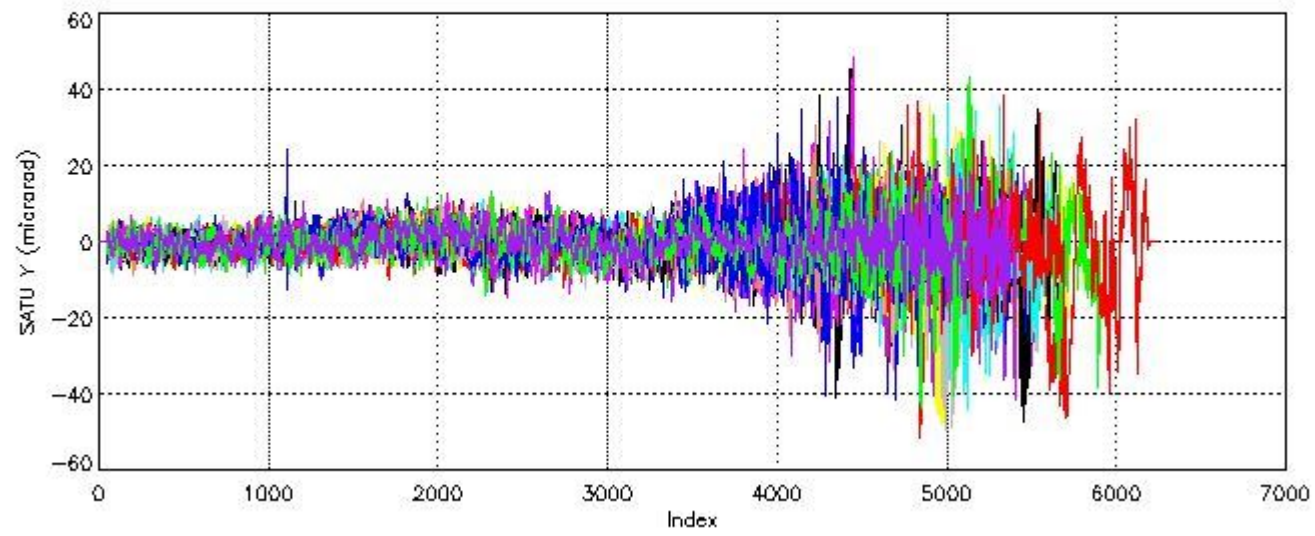
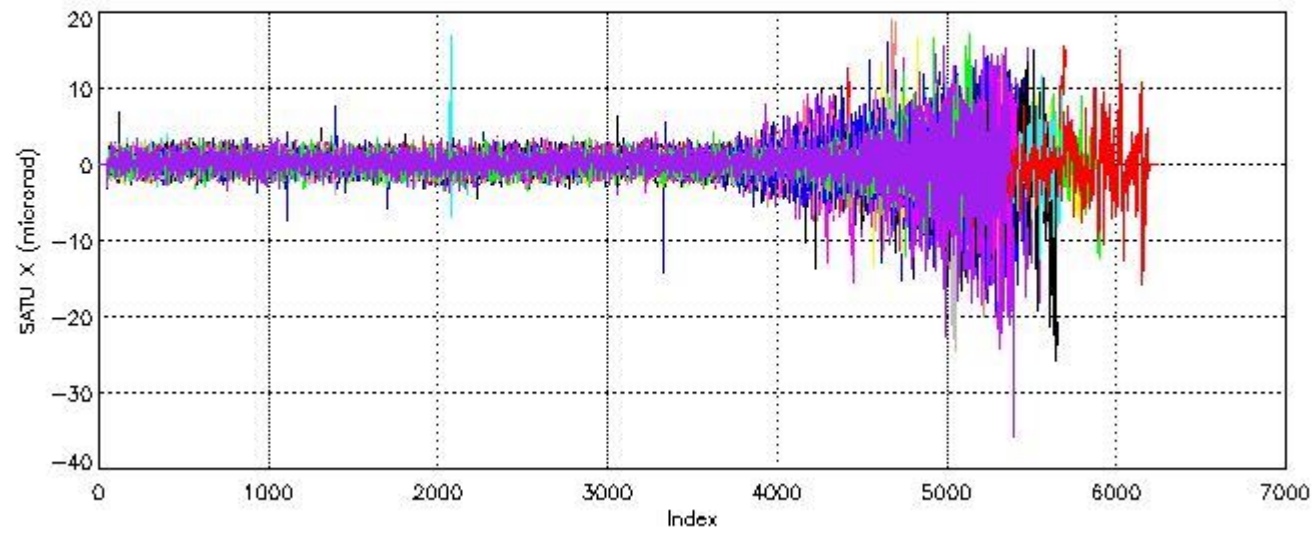


7. Star Acquisition and Tracking Unit (SATU)

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:	0.27168	-0.76692	0.25355	-0.57205
St. deviation:	0.66488	2.0207	0.76849	2.1777
Maximum:	6.8000	10.600	7.4000	10.900
Minimum:	-3.7000	-9.3000	-5.9000	-10.000

Number of data:	28200.	28200.	53350.	53350.
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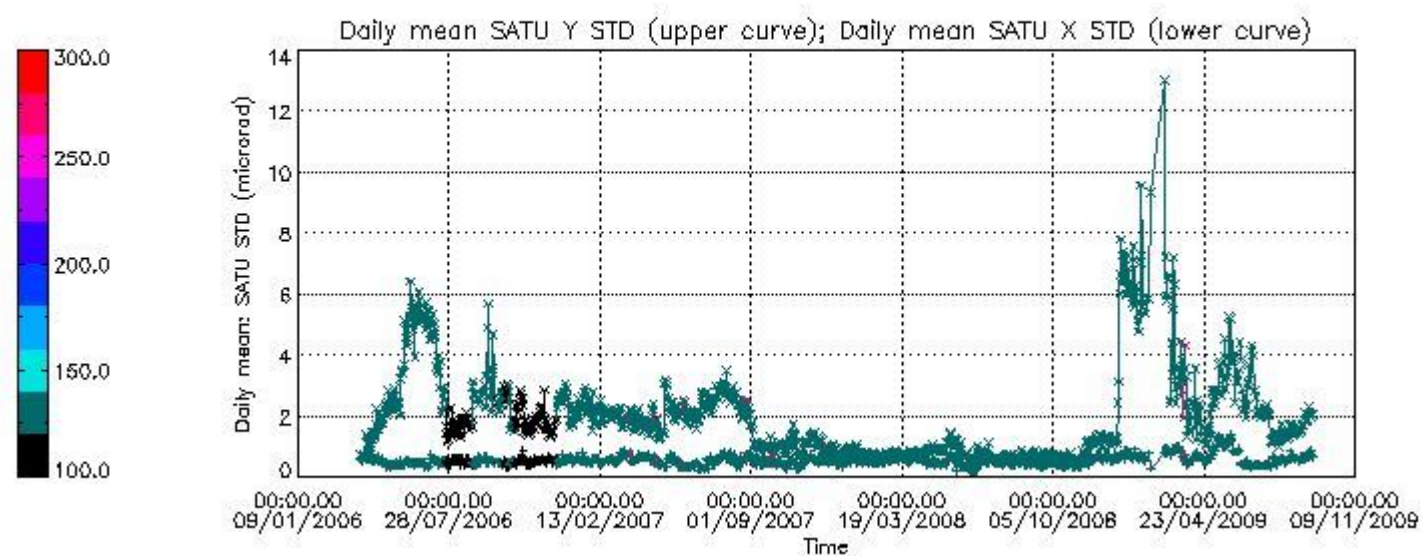
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

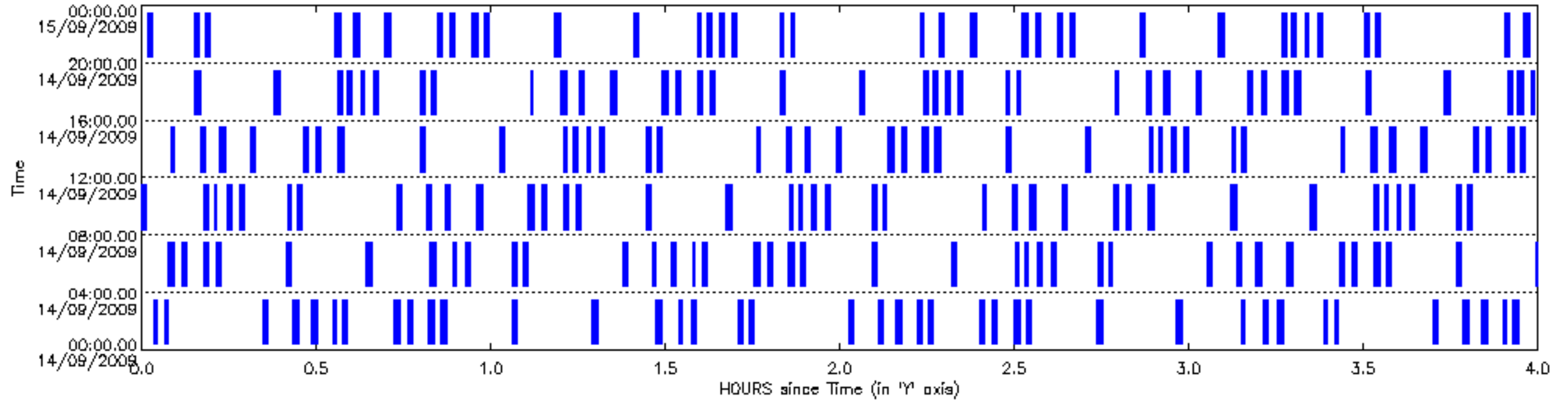
Lower curve: STD of SATU X axis

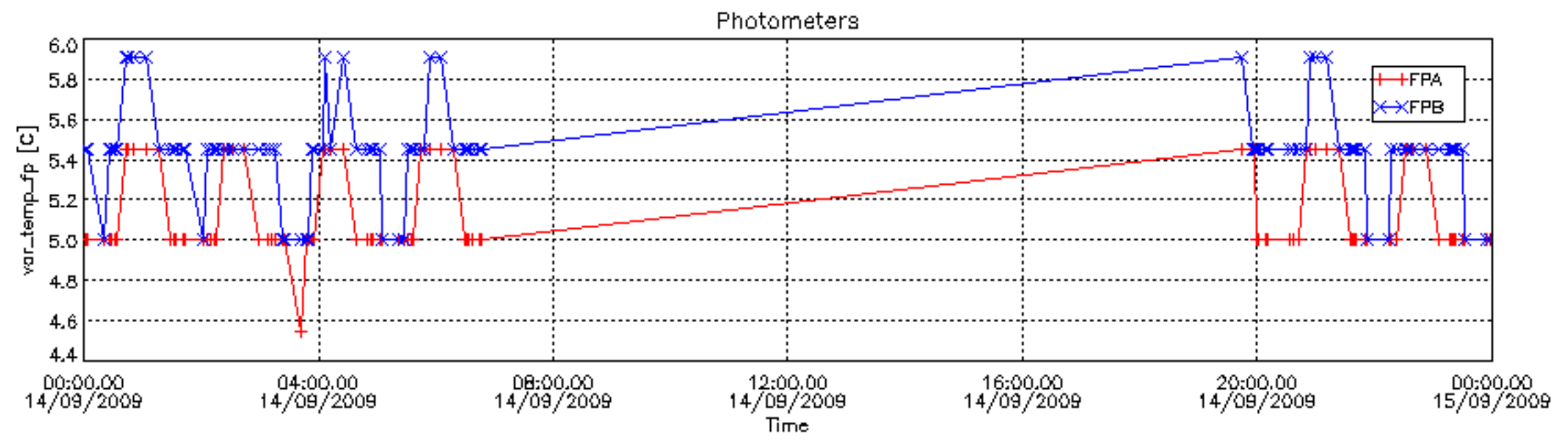
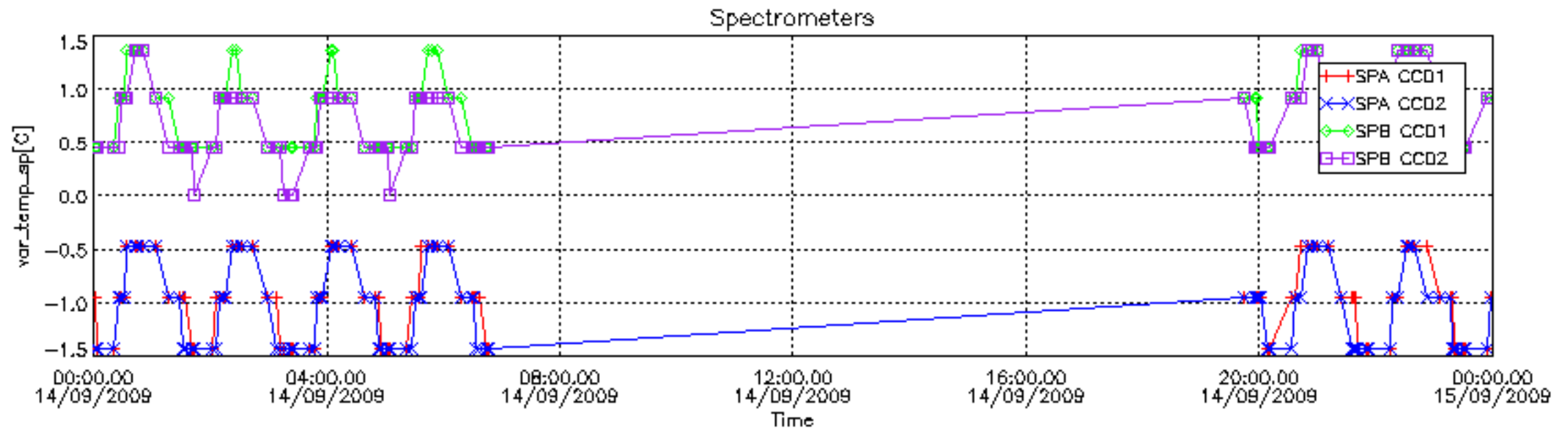


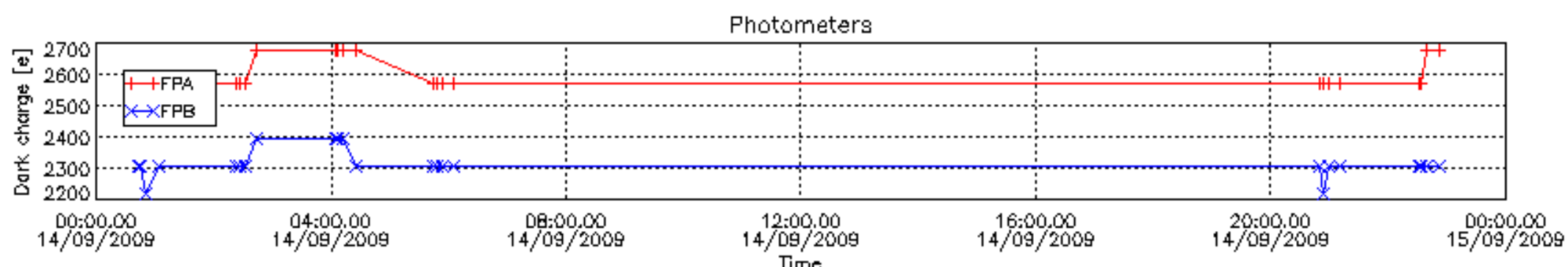
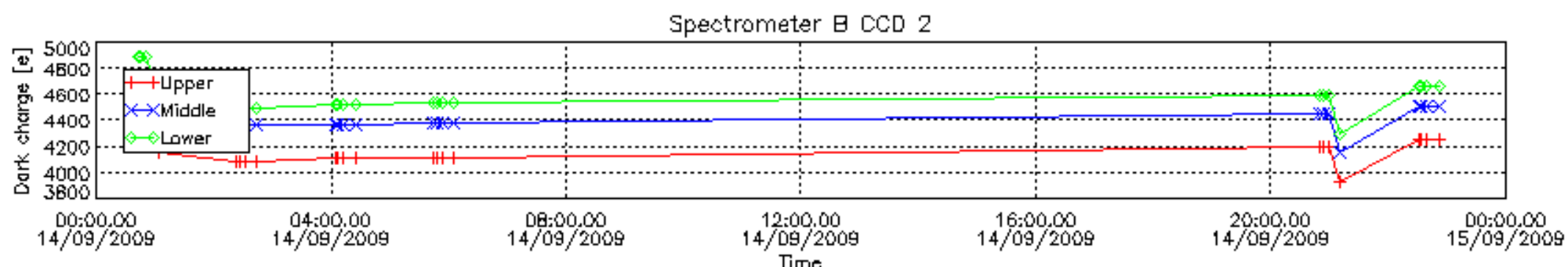
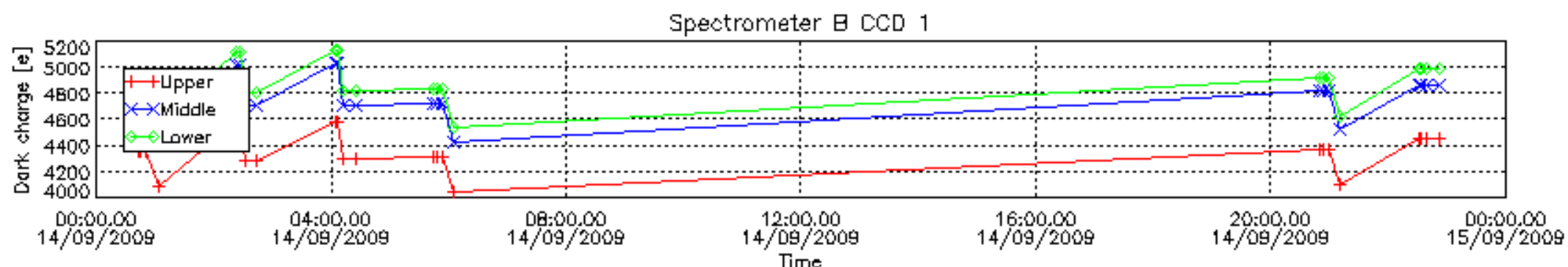
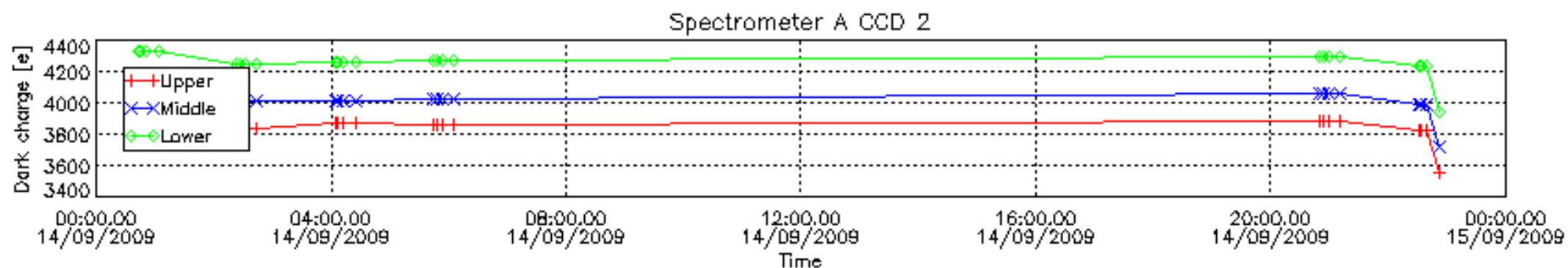
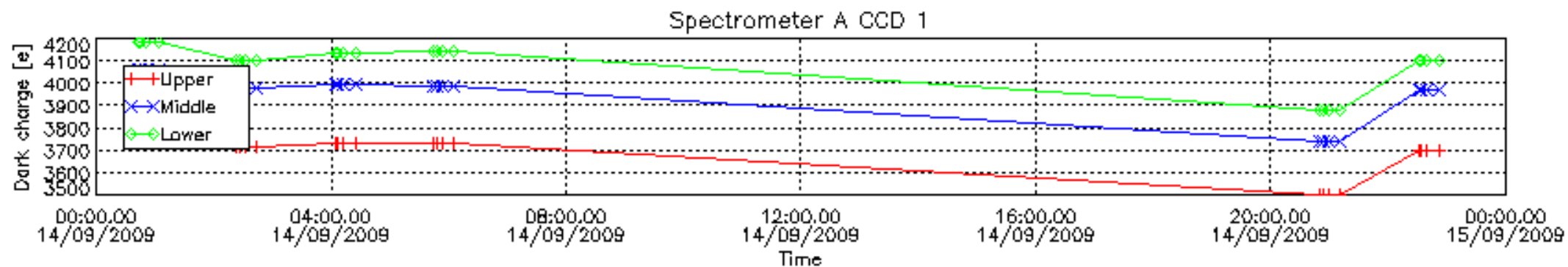
8. Auxiliary Data Files used for the production reported in section 2.4

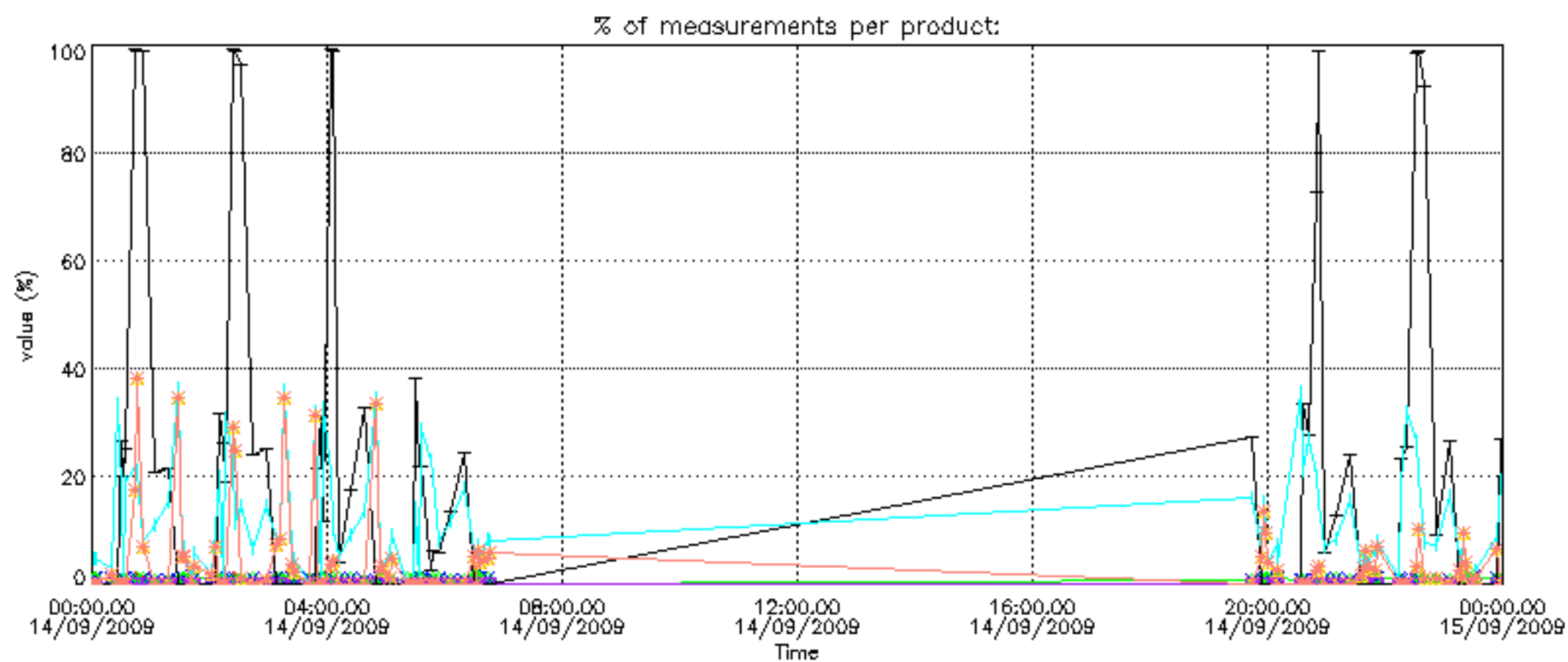
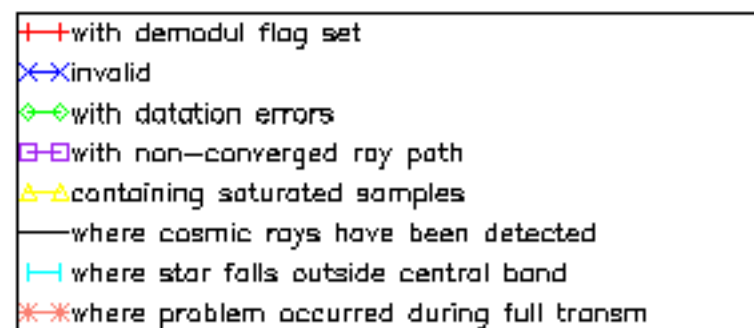
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	14-SEP-2009 00:01:58
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090907_104444_20090905_000000_20100101_000000	1	14-SEP-2009 00:01:58
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	14-SEP-2009 00:01:58
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	14-SEP-2009 00:01:58
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	14-SEP-2009 00:01:58
ECMWF_FILE	AUX_ECF_AXNECM20090913_064111_20090913_210000_20090914_090000	1	14-SEP-2009 00:01:58
ECMWF_FILE	AUX_ECF_AXNECM20090913_182114_20090914_030000_20090914_150000	33	14-SEP-2009 03:42:02
ECMWF_FILE	AUX_ECF_AXNECM20090914_064121_20090914_150000_20090915_030000	64	14-SEP-2009 19:43:54
ECMWF_FILE	AUX_ECF_AXNECM20090914_064122_20090914_210000_20090915_090000	88	14-SEP-2009 22:31:19
OPTIONAL_ECMWF_FILE	MISSING	1	14-SEP-2009 00:01:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090913_211549_000057382082_00286_39418_8754.N1	1	14-SEP-2009 00:01:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090913_225646_000057382082_00287_39419_8755.N1	8	14-SEP-2009 00:43:20
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090914_003743_000054192082_00288_39420_8756.N1	23	14-SEP-2009 02:23:56
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090914_021321_000041442082_00289_39421_8757.N1	33	14-SEP-2009 03:42:02
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090914_032744_000060572082_00290_39422_8758.N1	48	14-SEP-2009 05:22:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090914_193444_000038252082_00300_39432_8760.N1	64	14-SEP-2009 19:43:54
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090914_204348_000057382082_00300_39432_8761.N1	88	14-SEP-2009 22:31:19

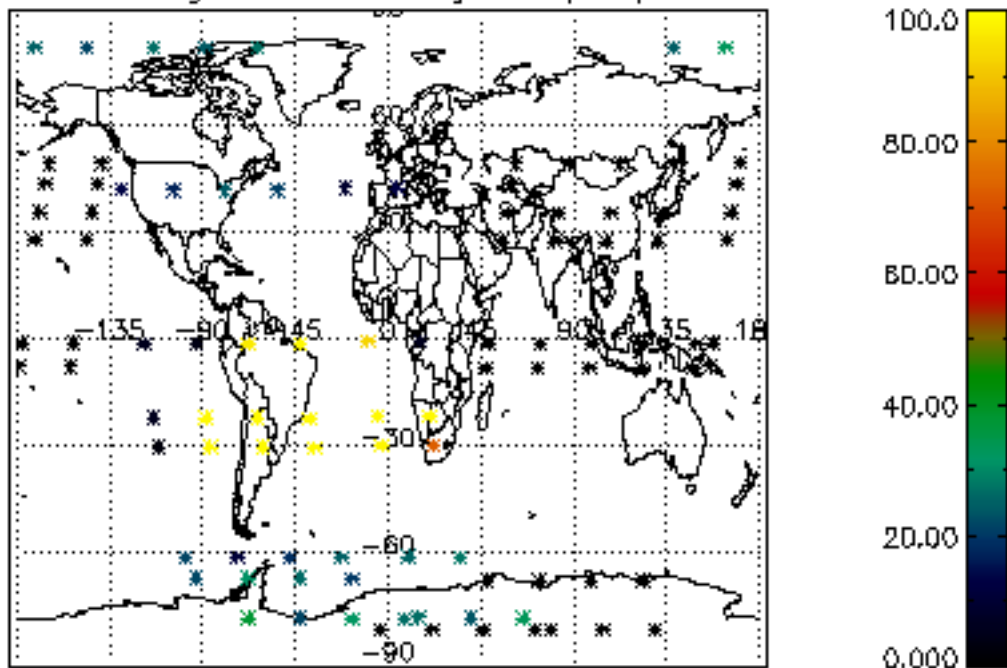




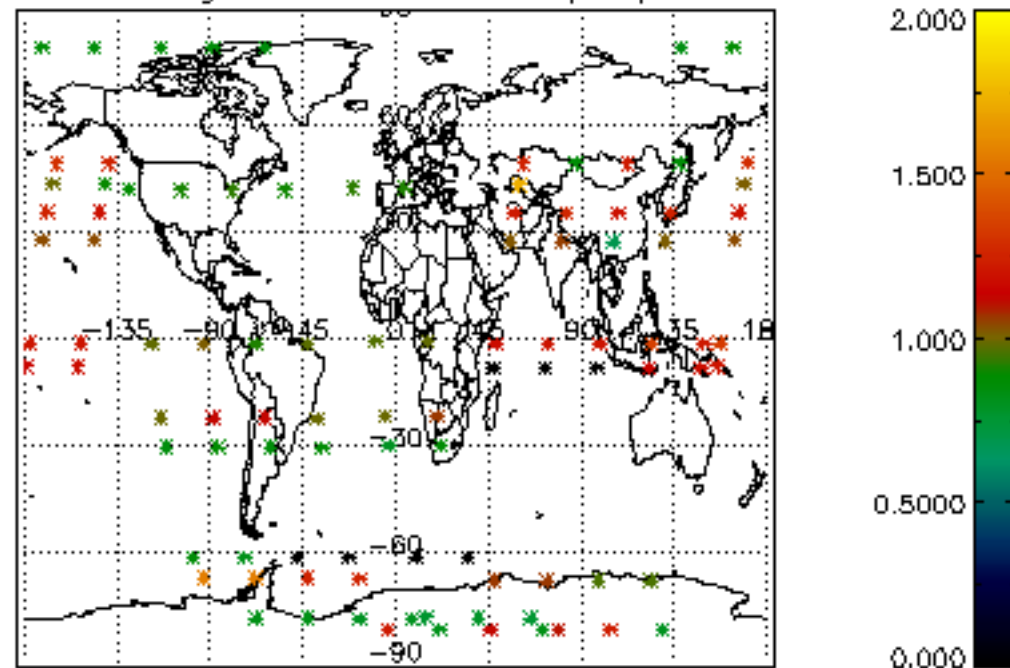




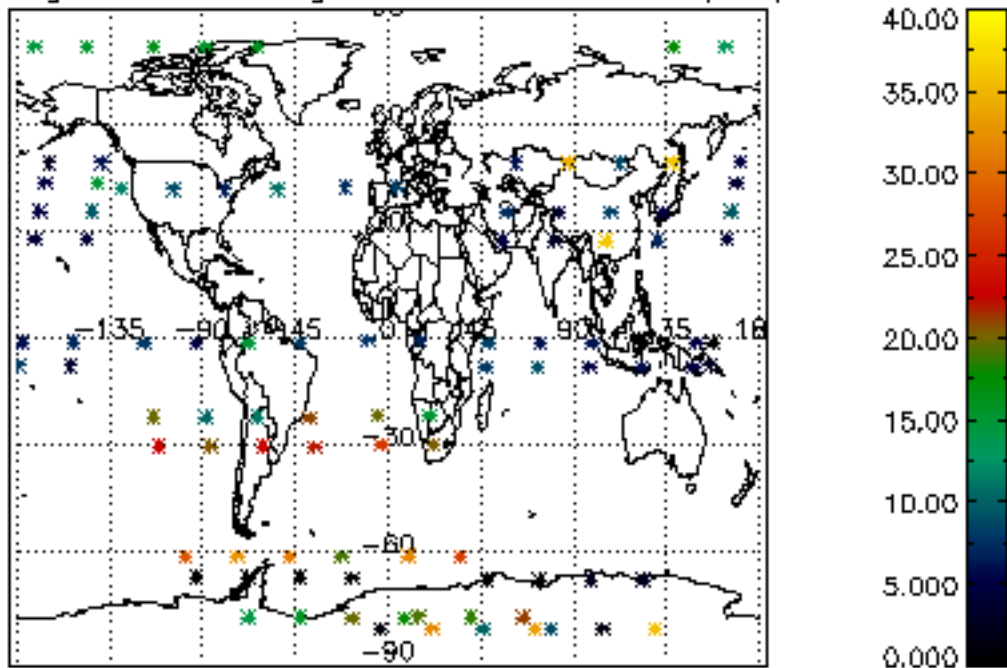
Percentage of cosmic ray hits per profile



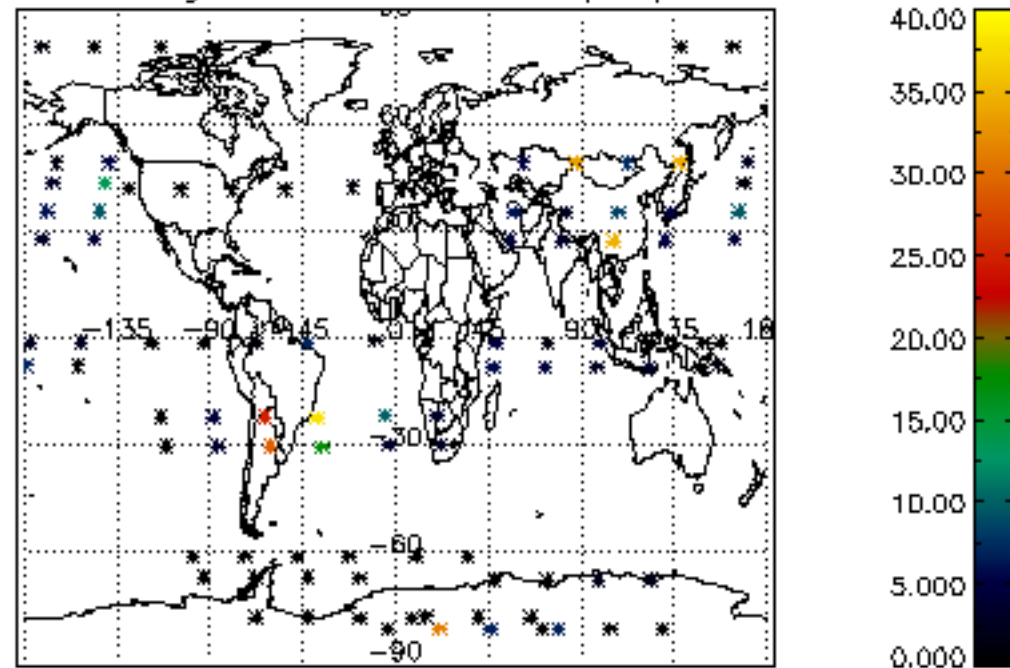
Percentage of datation errors per profile



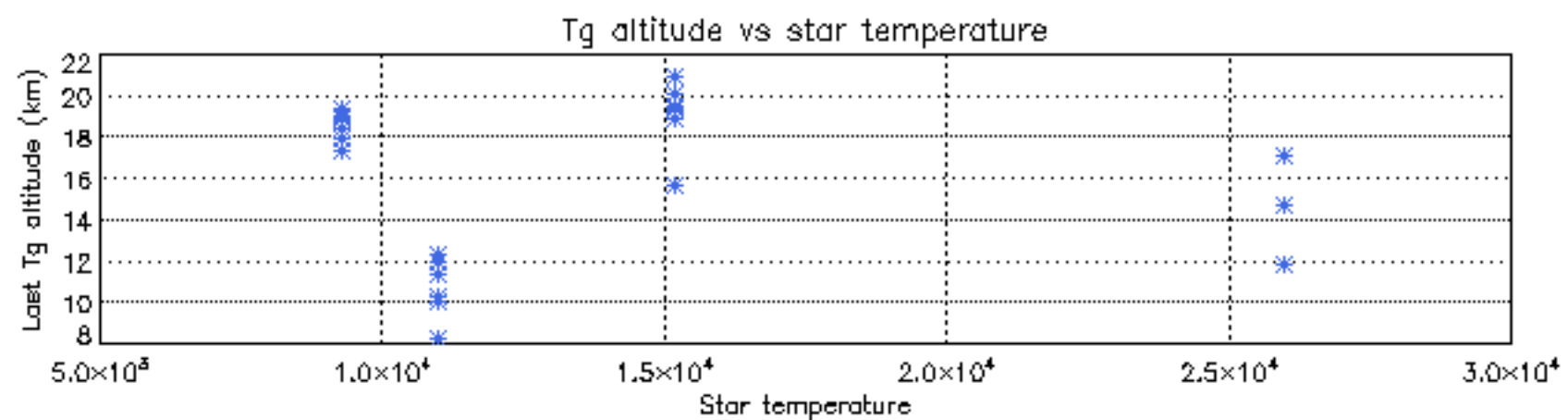
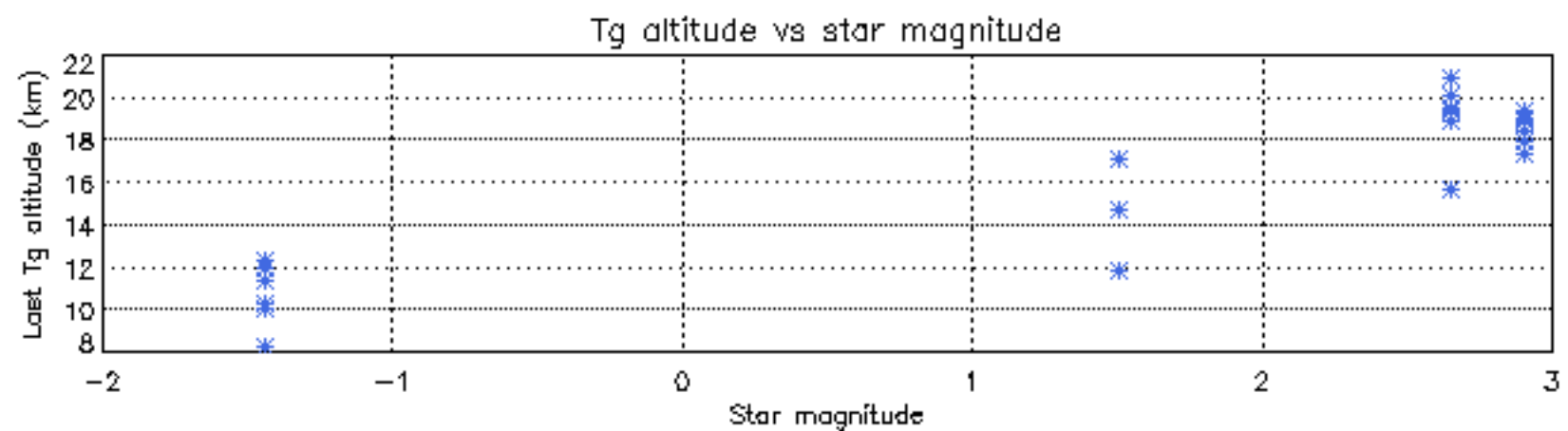
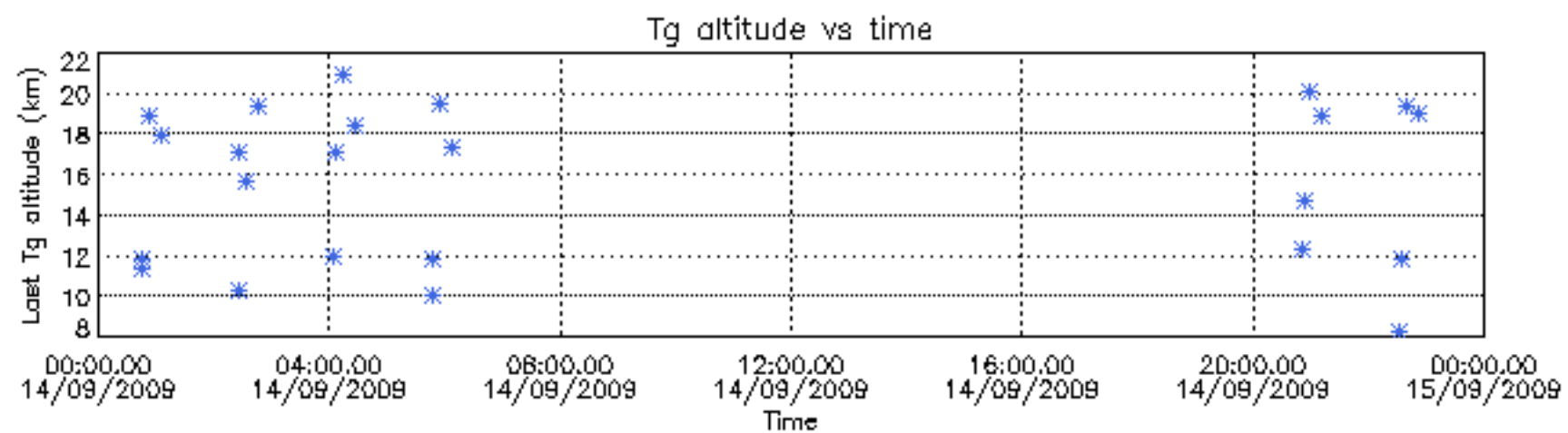
Percentage of star falling outside central band per profile



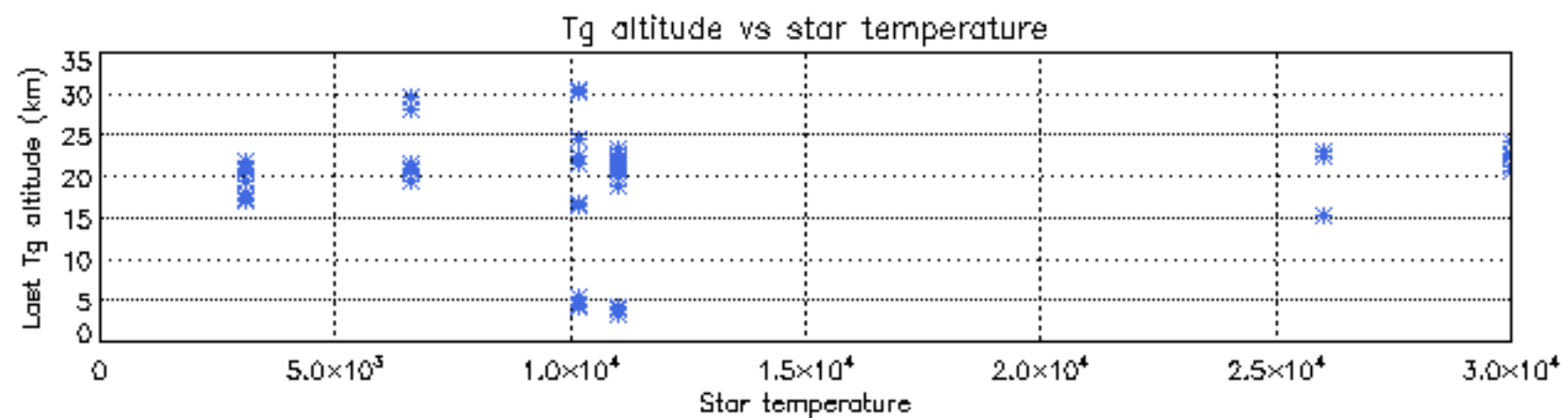
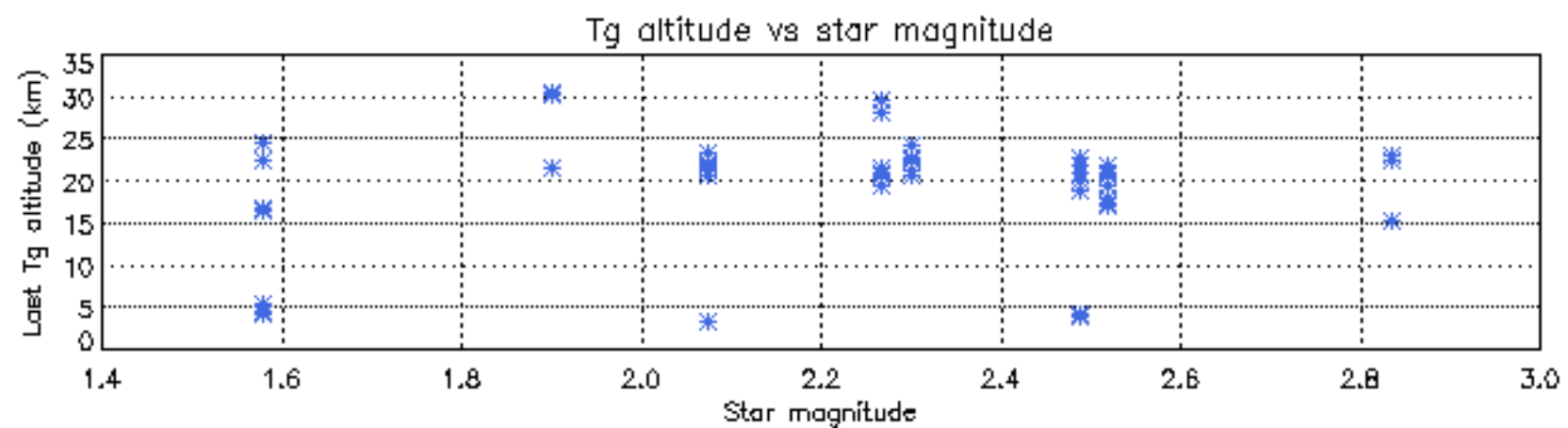
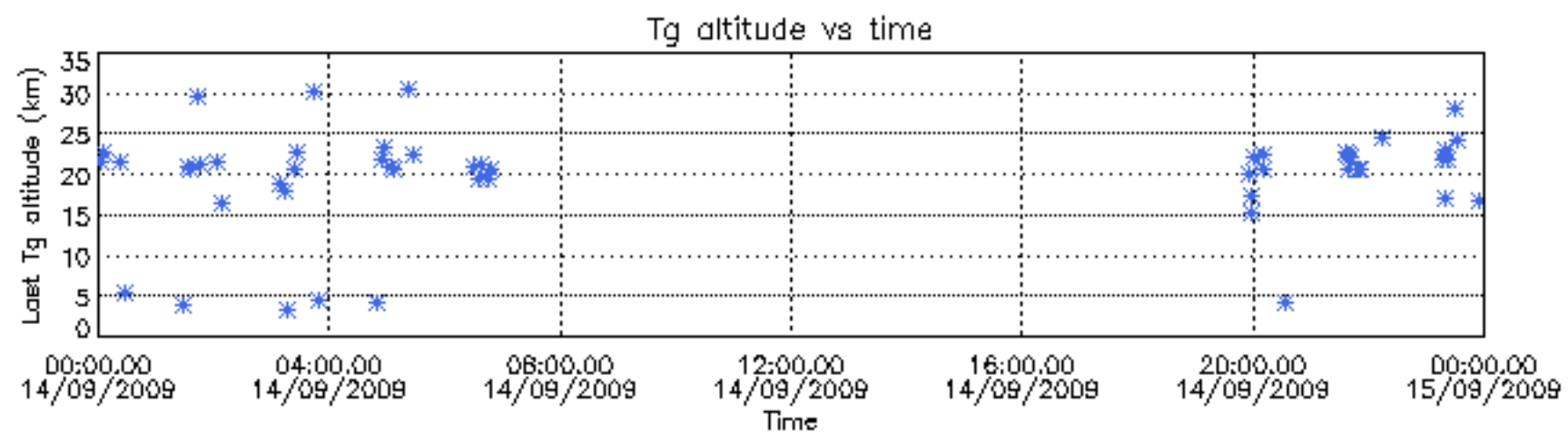
Percentage of saturation errors per profile



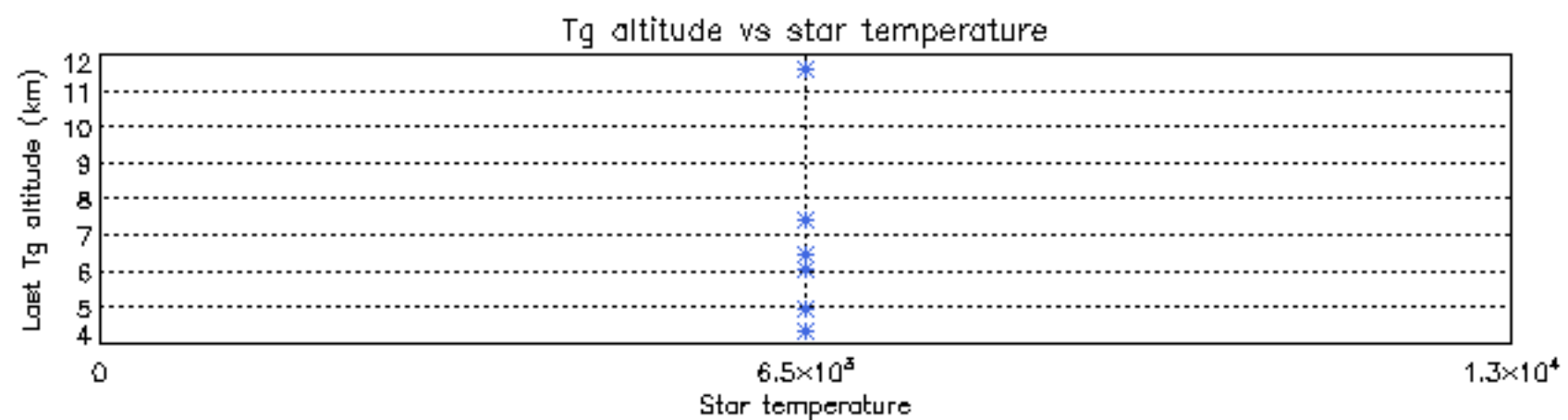
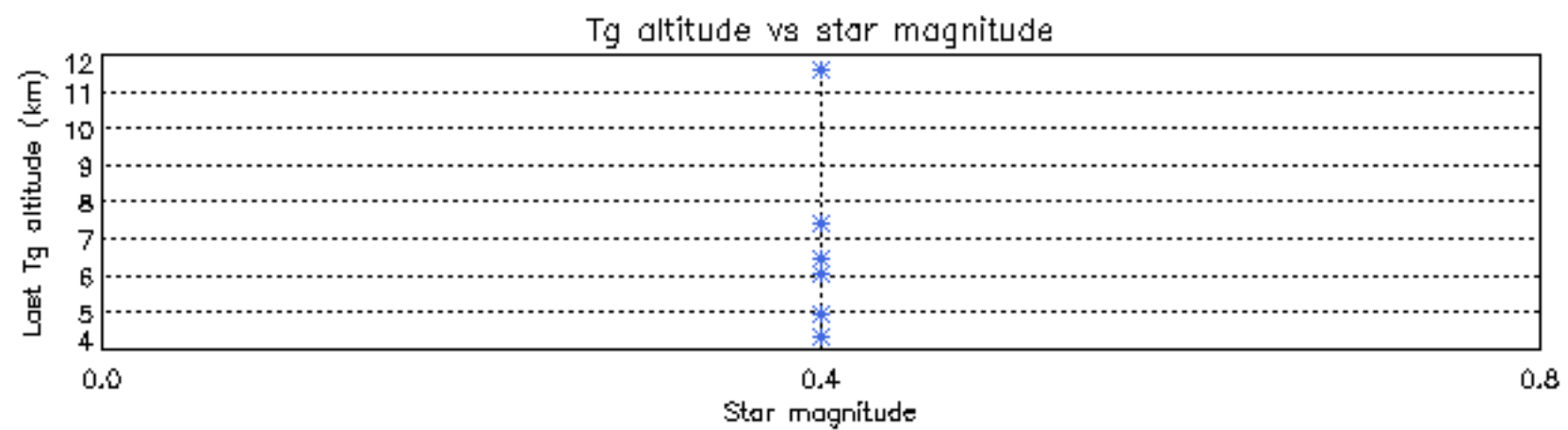
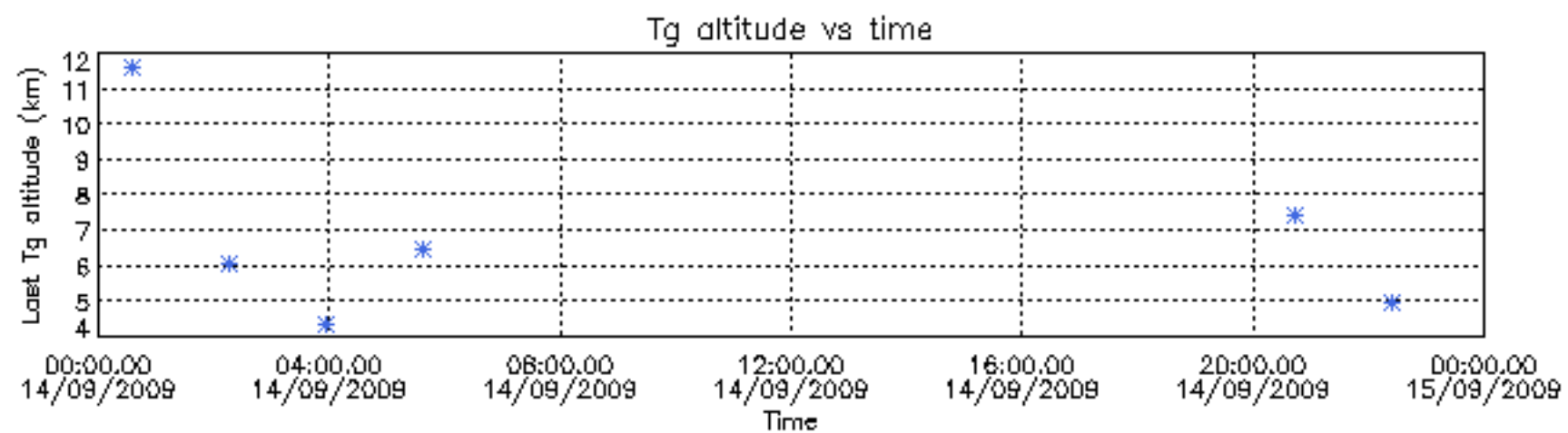
Tangent altitude at which the star is lost

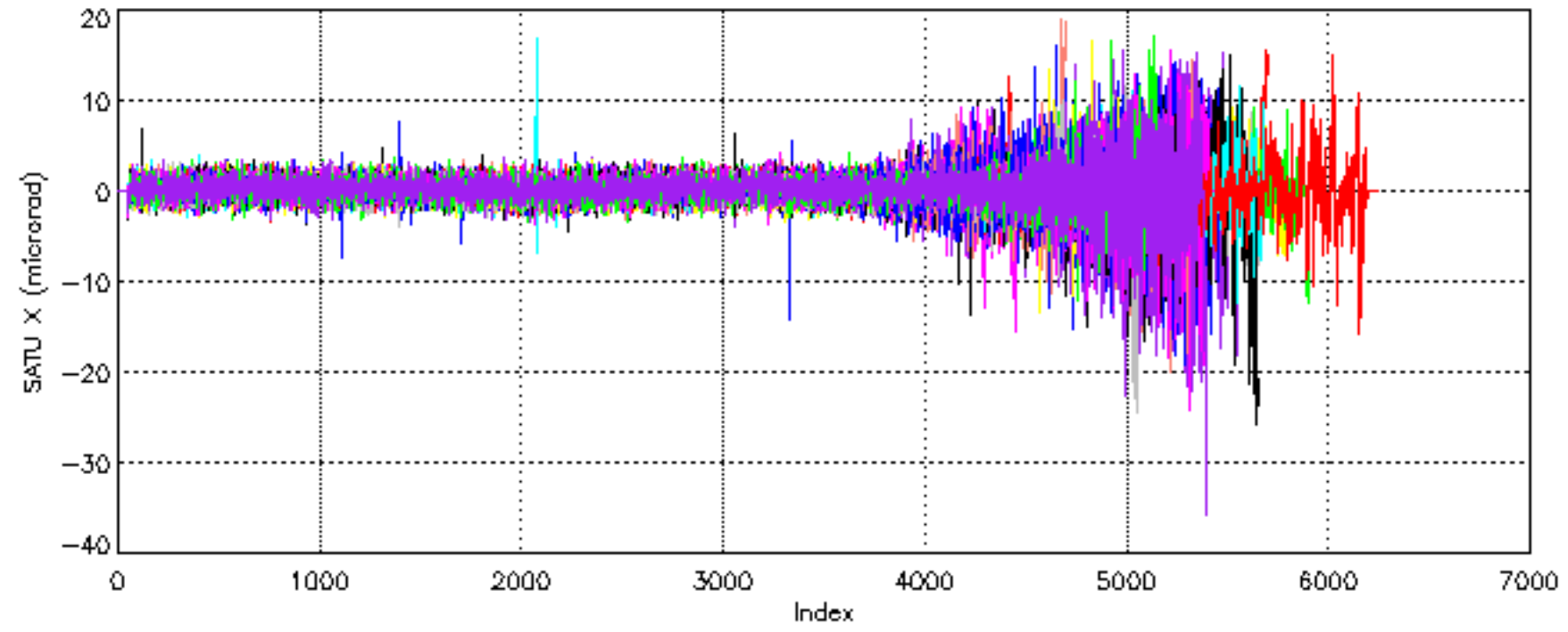


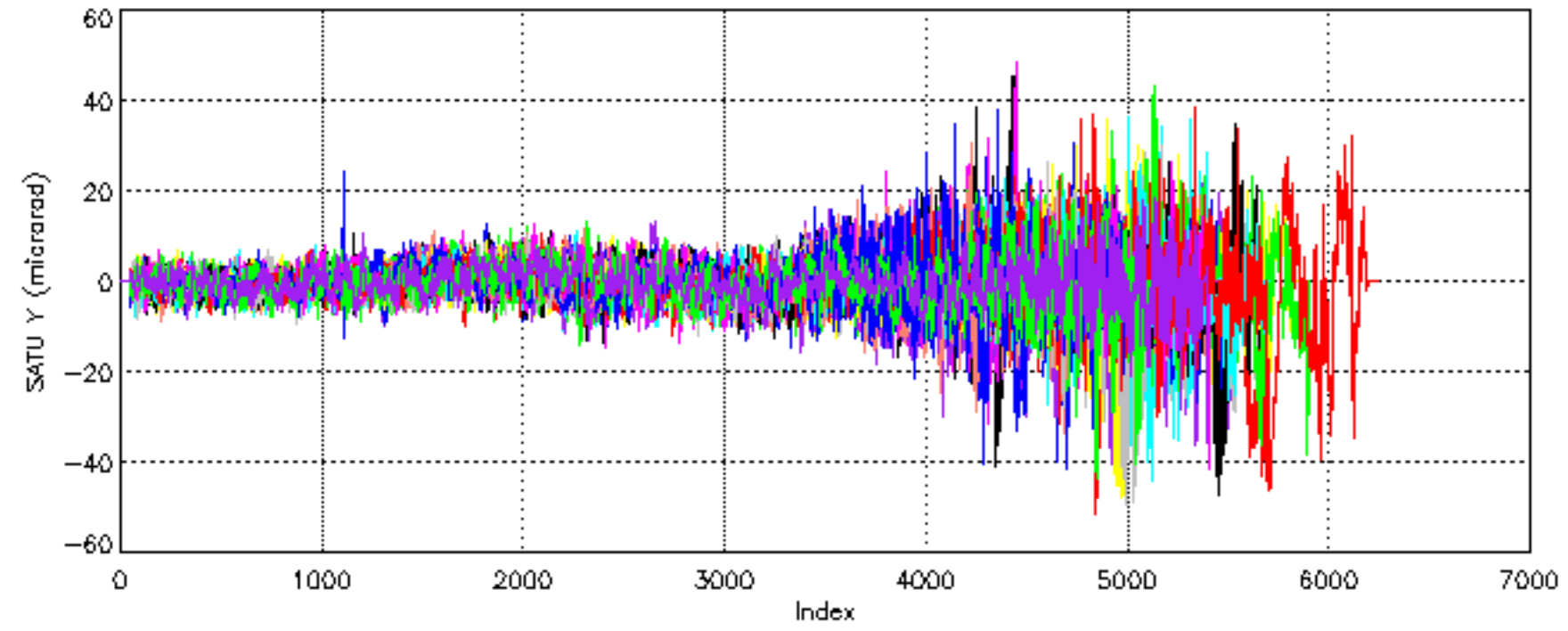
Tangent altitude at which the star is lost

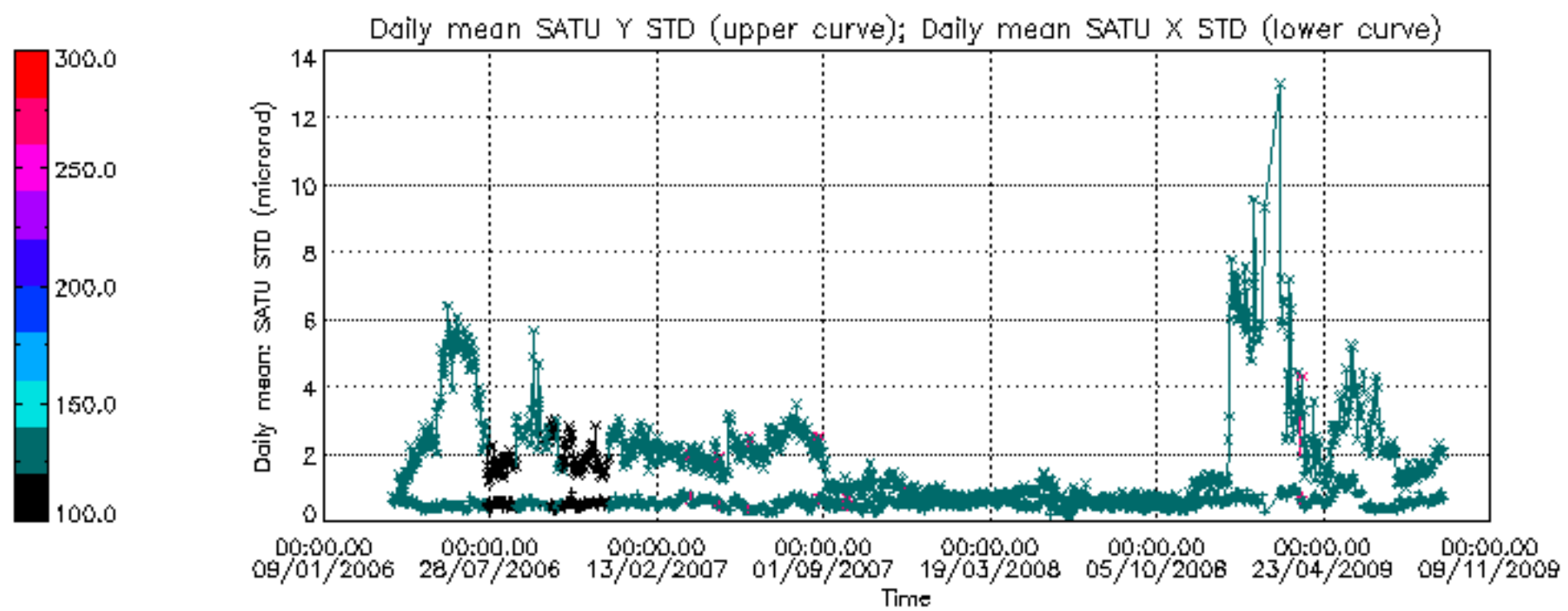


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20090901_004836_000055572082_00102_39234_8472.N1

1; -717.2; 01-SEP-2009 00:48:36; Dark ; 42.0; 30; 46Eps Ori ; 1.69; 30000;occ; 84; 0;39234
2; -585.8; 01-SEP-2009 00:50:47; Dark ; 48.5; 47; 2Bet CMA ; 1.98; 28000;occ; 97; 0;39234
3; -413.8; 01-SEP-2009 00:53:39; Dark ; 51.0; 101; 11Alp Lep ; 2.58; 7000;occ; 102; 0;39234
4; -237.7; 01-SEP-2009 00:56:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39234
5; 487.5; 01-SEP-2009 01:08:40; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39235
6; 962.2; 01-SEP-2009 01:16:35; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;39235
7; 1329.7; 01-SEP-2009 01:22:43; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;39235
8; 2249.9; 01-SEP-2009 01:38:03; Bright; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;39235
9; 2501.4; 01-SEP-2009 01:42:14; Bright; 41.5; 164; 44Eta Peg ; 2.95; 5400;occ; 83; 0;39235
10; 3142.8; 01-SEP-2009 01:52:56; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39235
11; 3270.9; 01-SEP-2009 01:55:04; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;39235
12; 4155.8; 01-SEP-2009 02:09:49; Bright; 60.0; 6; 13Alp Aur ; 0.08; 3400;occ; 120; 0;39235
13; 4378.2; 01-SEP-2009 02:13:31; Bright; 48.0; 107; 37The Aur ; 2.65; 11000;occ; 96; 0;39235
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3; -584.8; 01-SEP-2009 02:31:24; Dark ; 49.5; 47; 2Bet CMA ; 1.98; 28000;occ; 99; 0;39235
4; -412.2; 01-SEP-2009 02:34:17; Dark ; 52.5; 101; 11Alp Lep ; 2.58; 7000;occ; 105; 0;39235
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9; 2249.4; 01-SEP-2009 03:18:38; Bright; 47.0; 90; 54Alp Peg ; 2.49; 11000;occ; 94; 0;39236
10; 2500.7; 01-SEP-2009 03:22:50; Bright; 43.0; 164; 44Eta Peg ; 2.95; 5400;occ; 86; 0;39236
11; 3142.5; 01-SEP-2009 03:33:31; Bright; 40.0; 74; 11Bet Cas ; 2.27; 6600;occ; 80; 0;39236
12; 3270.4; 01-SEP-2009 03:35:39; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;39236

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3; -1348.6; 01-SEP-2009 03:59:16; Dark ; 53.5; 151; 13Mu Gem ; 2.89; 3000;occ; 107; 0;39236
4; -1242.9; 01-SEP-2009 04:01:02; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;39236
5; -965.8; 01-SEP-2009 04:05:39; Dark ; 74.0; 14; 58Alp Ori ; 0.87; 3000;occ; 148; 0;39236
6; -714.7; 01-SEP-2009 04:09:50; Dark ; 35.0; 30; 46Eps Ori ; 1.69; 30000;occ; 70; 0;39236
7; -584.2; 01-SEP-2009 04:12:01; Dark ; 49.0; 47; 2Bet CMA ; 1.98; 28000;occ; 98; 0;39236
8; -411.4; 01-SEP-2009 04:14:53; Dark ; 53.0; 101; 11Alp Lep ; 2.58; 7000;occ; 106; 0;39236
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11; 963.6; 01-SEP-2009 04:37:48; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;39237
12; 1330.4; 01-SEP-2009 04:43:55; Dark ; 43.5; 18; 24Alp PsA ; 1.17; 9700;occ; 87; 0;39237
13; 2248.7; 01-SEP-2009 04:59:14; Bright; 70.0; 90; 54Alp Peg ; 2.49; 11000;occ; 140; 0;39237
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3; -1348.2; 01-SEP-2009 05:39:53; Dark ; 58.0; 151; 13Mu Gem ; 2.89; 3000;occ; 116; 0;39237
4; -1242.4; 01-SEP-2009 05:41:38; Dark ; 49.5; 44; 24Gam Gem ; 1.93; 11000;occ; 99; 0;39237
5; -964.9; 01-SEP-2009 05:46:16; Dark ; 71.5; 14; 58Alp Ori ; 0.87; 3000;occ; 143; 0;39237
6; -713.5; 01-SEP-2009 05:50:27; Dark ; 35.0; 30; 46Eps Ori ; 1.69; 30000;occ; 70; 0;39237
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9; -234.2; 01-SEP-2009 05:58:27; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39237
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11; 964.2; 01-SEP-2009 06:18:25; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;39238
12; 1330.7; 01-SEP-2009 06:24:32; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;39238
13; 2248.4; 01-SEP-2009 06:39:49; Bright; 46.5; 90; 54Alp Peg ; 2.49; 11000;occ; 93; 0;39238
14; 2499.6; 01-SEP-2009 06:44:00; Bright; 41.5; 164; 44Eta Peg ; 2.95; 5400;occ; 83; 0;39238
15; 3141.0; 01-SEP-2009 06:54:42; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;39238
16; 3268.9; 01-SEP-2009 06:56:50; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39238

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3; 2244.0; 01-SEP-2009 20:04:32; Bright; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;39246
4; 2495.9; 01-SEP-2009 20:08:44; Bright; 40.5; 164; 44Eta Peg ; 2.95; 5400;occ; 81; 0;39246

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7; 4152.7; 01-SEP-2009 20:36:21; Bright; 62.5; 6; 13Alp Aur ; 0.08; 3400;occ; 125; 0;39246
8; 4378.4; 01-SEP-2009 20:40:07; Bright; 50.5; 107; 37The Aur ; 2.65; 11000;occ; 101; 0;39246
9; 4690.5; 01-SEP-2009 20:45:19; Dark ; 57.5; 151; 13Mu Gem ; 2.89; 3000;occ; 115; 0;39246
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4; -399.2; 01-SEP-2009 21:01:05; Dark ; 54.5; 101; 11Alp Lep ; 2.58; 7000;occ; 109; 0;39246
5; -223.7; 01-SEP-2009 21:04:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39246
6; 502.0; 01-SEP-2009 21:16:06; Dark ; 57.0; 157; The1Eri ; 2.91; 9300;occ; 114; 0;39247
7; 969.2; 01-SEP-2009 21:23:53; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39247
8; 1332.9; 01-SEP-2009 21:29:57; Dark ; 43.5; 18; 24Alp PsA ; 1.17; 9700;occ; 87; 0;39247
9; 2243.6; 01-SEP-2009 21:45:08; Bright; 48.5; 90; 54Alp Peg ; 2.49; 11000;occ; 97; 0;39247
10; 2495.3; 01-SEP-2009 21:49:19; Bright; 63.0; 164; 44Eta Peg ; 2.95; 5400;occ; 126; 0;39247
11; 3135.5; 01-SEP-2009 22:00:00; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39247
12; 3262.5; 01-SEP-2009 22:02:07; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;39247
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16; 4797.5; 01-SEP-2009 22:27:42; Dark ; 52.5; 44; 24Gam Gem ; 1.93; 11000;occ; 105; 0;39247
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3; -397.9; 01-SEP-2009 22:41:42; Dark ; 54.5; 101; 11Alp Lep ; 2.58; 7000;occ; 109; 0;39247
4; -222.5; 01-SEP-2009 22:44:38; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39247
5; 503.3; 01-SEP-2009 22:56:43; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;39248
6; 969.8; 01-SEP-2009 23:04:30; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;39248
7; 2243.0; 01-SEP-2009 23:25:43; Bright; 59.5; 90; 54Alp Peg ; 2.49; 11000;occ; 119; 0;39248
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13; 4691.1; 02-SEP-2009 00:06:31; Dark ; 58.5; 151; 13Mu Gem ; 2.89; 3000;occ; 117; 0;39248
14; 4797.8; 02-SEP-2009 00:08:18; Dark ; 51.0; 44; 24Gam Gem ; 1.93; 11000;occ; 102; 0;39248
15; 5080.2; 02-SEP-2009 00:13:00; Dark ; 70.5; 14; 58Alp Ori ; 0.87; 3000;occ; 141; 0;39248
16; 5330.6; 02-SEP-2009 00:17:11; Dark ; 63.5; 33; 50Zet Ori ; 1.77; 30000;occ; 127; 0;39248
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7; -582.7; 01-SEP-2009 07:33:14; Dark ; 47.5; 47; 2Bet CMA ; 1.98; 28000;occ; 95; 0;39238
8; -408.8; 01-SEP-2009 07:36:08; Dark ; 54.0; 101; 11Alp Lep ; 2.58; 7000;occ; 108; 0;39238
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3; 3140.5; 01-SEP-2009 08:35:17; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;39239
4; 3268.2; 01-SEP-2009 08:37:25; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;39239
5; 4154.7; 01-SEP-2009 08:52:11; Bright; 59.5; 6; 13Alp Aur ; 0.08; 3400;occ; 119; 0;39239
6; 4378.4; 01-SEP-2009 08:55:55; Bright; 46.5; 107; 37The Aur ; 2.65; 11000;occ; 93; 0;39239
7; 4688.4; 01-SEP-2009 09:01:05; Dark ; 54.5; 151; 13Mu Gem ; 2.89; 3000;occ; 109; 0;39239
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9; 5072.7; 01-SEP-2009 09:07:29; Dark ; 69.5; 14; 58Alp Ori ; 0.87; 3000;occ; 139; 0;39239
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4; -1231.0; 03-SEP-2009 04:38:36; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;39265
5; -940.6; 03-SEP-2009 04:43:26; Dark ; 82.0; 14; 58Alp Ori ; 0.87; 3000;occ; 164; 0;39265
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8; -375.2; 03-SEP-2009 04:52:51; Dark ; 60.5; 101; 11Alp Lep ; 2.58; 7000;occ; 121; 0;39265
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13; 2487.0; 03-SEP-2009 05:40:34; Bright; 62.0; 164; 44Eta Peg ; 2.95; 5400;occ; 124; 0;39266
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8; 4700.7; 03-SEP-2009 21:22:51; Dark ; 55.0; 151; 13Mu Gem ; 2.89; 3000;occ; 110; 0;39275
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6; 985.7; 03-SEP-2009 22:01:32; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;39276
7; 2230.0; 03-SEP-2009 22:22:16; Bright; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;39276
8; 2482.6; 03-SEP-2009 22:26:28; Bright; 41.5; 164; 44Eta Peg ; 2.95; 5400;occ; 83; 0;39276
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10; 3242.7; 03-SEP-2009 22:39:09; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;39276
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13; 5875.9; 13-SEP-2009 16:26:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39415
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9; 2415.6; 14-SEP-2009 21:39:21; Bright; 40.0; 93; 53Bet Peg ; 2.52; 3100;occ; 80; 0;39433
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13; 4479.3; 14-SEP-2009 22:13:44; Bright; 40.5; 24; 66Alp Gem ; 1.58; 10200;occ; 81; 0;39433
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2; 2480.2; 22-SEP-2009 17:27:28; Bright; 43.0; 58; 21Alp And ; 2.07; 11000;occ; 86; 0;39545
3; 2987.8; 22-SEP-2009 17:35:55; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;39545
4; 3083.9; 22-SEP-2009 17:37:32; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;39545
5; 4495.1; 22-SEP-2009 18:01:03; Bright; 48.5; 24; 66Alp Gem ; 1.58; 10200;occ; 97; 0;39545
6; 5062.6; 22-SEP-2009 18:10:30; Dark ; 63.0; 8; 10Alp CMi ; 0.40; 6500;occ; 126; 0;39545
7; 5668.0; 22-SEP-2009 18:20:36; Dark ; 75.5; 1; 9Alp CMA ; -1.44; 11000;occ; 151; 0;39545
8; 6002.1; 22-SEP-2009 18:26:10; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39545
9; 6169.9; 22-SEP-2009 18:28:58; Dark ; 53.5; 108; Alp Col ; 2.65; 15200;occ; 107; 0;39545
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2; 2220.9; 22-SEP-2009 19:03:45; Bright; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;39546
3; 2479.9; 22-SEP-2009 19:08:04; Bright; 43.0; 58; 21Alp And ; 2.07; 11000;occ; 86; 0;39546
4; 2987.5; 22-SEP-2009 19:16:31; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;39546
5; 3083.7; 22-SEP-2009 19:18:07; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;39546
6; 5062.8; 22-SEP-2009 19:51:06; Dark ; 41.5; 8; 10Alp CMi ; 0.40; 6500;occ; 83; 0;39546
7; 5669.0; 22-SEP-2009 20:01:13; Dark ; 27.0; 1; 9Alp CMA ; -1.44; 11000;occ; 54; 0;39546
8; 5816.4; 22-SEP-2009 20:03:40; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;39546
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2; 2983.0; 23-SEP-2009 15:23:37; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;39558
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2; 2204.5; 25-SEP-2009 22:30:24; Bright; 34.0; 140; 88Gam Peg ; 2.83; 26000;occ; 68; 0;39591
3; 2459.8; 25-SEP-2009 22:34:40; Bright; 34.0; 58; 21Alp And ; 2.07; 11000;occ; 68; 0;39591
4; 5097.1; 25-SEP-2009 23:18:37; Dark ; 66.5; 8; 10Alp CMI ; 0.40; 6500;occ; 133; 0;39591
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2; 2971.6; 26-SEP-2009 00:23:47; Bright; 36.0; 74; 11Bet Cas ; 2.27; 6600;occ; 72; 0;39592
3; 3061.3; 26-SEP-2009 00:25:17; Bright; 37.0; 76; 27Gam Cas ; 2.30; 30000;occ; 74; 0;39592
4; 4503.1; 26-SEP-2009 00:49:19; Bright; 33.5; 24; 66Alp Gem ; 1.58; 10200;occ; 67; 0;39592
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2; 16.8; 26-SEP-2009 01:15:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39593
3; 200.2; 26-SEP-2009 01:18:12; Dark ; 55.0; 108; Alp Col ; 2.65; 15200;occ; 110; 0;39593
4; 859.5; 26-SEP-2009 01:29:11; Dark ; 45.5; 157; The1Eri ; 2.91; 9300;occ; 91; 0;39593
5; 1547.3; 26-SEP-2009 01:40:39; Dark ; 38.0; 52; 16Bet Cet ; 2.04; 4500;occ; 76; 0;39593
6; 2203.8; 26-SEP-2009 01:51:35; Bright; 38.5; 140; 88Gam Peg ; 2.83; 26000;occ; 77; 0;39593
7; 2458.9; 26-SEP-2009 01:55:50; Bright; 25.0; 58; 21Alp And ; 2.07; 11000;occ; 50; 0;39593
8; 2715.3; 26-SEP-2009 02:00:07; Bright; 51.5; 53; 43Bet And ; 2.05; 3300;occ; 103; 0;39593
9; 2971.2; 26-SEP-2009 02:04:23; Bright; 23.0; 74; 11Bet Cas ; 2.27; 6600;occ; 46; 0;39593
10; 3061.2; 26-SEP-2009 02:05:53; Bright; 22.5; 76; 27Gam Cas ; 2.30; 30000;occ; 45; 0;39593
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2; -936.9; 26-SEP-2009 02:39:50; Dark ; 41.0; 8; 10Alp CMI ; 0.40; 6500;occ; 82; 0;39593
3; -298.1; 26-SEP-2009 02:50:29; Dark ; 39.0; 1; 9Alp CMA ; -1.44; 11000;occ; 78; 0;39593
4; -212.1; 26-SEP-2009 02:51:55; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;39593
5; 17.9; 26-SEP-2009 02:55:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39594
6; 202.0; 26-SEP-2009 02:58:49; Dark ; 54.5; 108; Alp Col ; 2.65; 15200;occ; 109; 0;39594
7; 860.8; 26-SEP-2009 03:09:48; Dark ; 45.5; 157; The1Eri ; 2.91; 9300;occ; 91; 0;39594
8; 1547.7; 26-SEP-2009 03:21:15; Dark ; 38.5; 52; 16Bet Cet ; 2.04; 4500;occ; 77; 0;39594
9; 2203.4; 26-SEP-2009 03:32:11; Bright; 39.0; 140; 88Gam Peg ; 2.83; 26000;occ; 78; 0;39594
10; 2458.4; 26-SEP-2009 03:36:26; Bright; 39.0; 58; 21Alp And ; 2.07; 11000;occ; 78; 0;39594
11; 2714.3; 26-SEP-2009 03:40:42; Bright; 74.0; 53; 43Bet And ; 2.05; 3300;occ; 148; 0;39594
12; 2971.0; 26-SEP-2009 03:44:58; Bright; 1.0; 74; 11Bet Cas ; 2.27; 6600;occ; 2; 0;39594
13; 3061.4; 26-SEP-2009 03:46:29; Bright; 16.5; 76; 27Gam Cas ; 2.30; 30000;occ; 33; 0;39594
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4; -210.9; 26-SEP-2009 04:32:33; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;39594
5; 19.1; 26-SEP-2009 04:36:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39595
6; 203.6; 26-SEP-2009 04:39:27; Dark ; 25.5; 108; Alp Col ; 2.65; 15200;occ; 51; 0;39595
7; 861.6; 26-SEP-2009 04:50:25; Dark ; 44.5; 157; The1Eri ; 2.91; 9300;occ; 89; 0;39595
8; 1548.5; 26-SEP-2009 05:01:52; Dark ; 35.5; 52; 16Bet Cet ; 2.04; 4500;occ; 71; 0;39595

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10; 2458.5; 26-SEP-2009 05:17:02; Bright; 36.5; 58; 21Alp And ; 2.07; 11000;occ; 73; 0;39595
11; 2713.8; 26-SEP-2009 05:21:17; Bright; 44.0; 53; 43Bet And ; 2.05; 3300;occ; 88; 0;39595
12; 2970.9; 26-SEP-2009 05:25:34; Bright; 33.5; 74; 11Bet Cas ; 2.27; 6600;occ; 67; 0;39595
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11; 2712.6; 26-SEP-2009 07:01:52; Bright; 50.5; 53; 43Bet And ; 2.05; 3300;occ; 101; 0;39596
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9; 2199.9; 26-SEP-2009 21:58:43; Bright; 37.0; 140; 88Gam Peg ; 2.83; 26000;occ; 74; 0;39605
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11; 2705.3; 26-SEP-2009 22:07:08; Bright; 44.5; 53; 43Bet And ; 2.05; 3300;occ; 89; 0;39605
12; 2967.5; 26-SEP-2009 22:11:30; Bright; 34.0; 74; 11Bet Cas ; 2.27; 6600;occ; 68; 0;39605
13; 3055.9; 26-SEP-2009 22:12:59; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;39605
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4; 219.6; 26-SEP-2009 23:06:18; Dark ; 50.5; 108; Alp Col ; 2.65; 15200;occ; 101; 0;39606
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9; 2704.0; 26-SEP-2009 23:47:42; Bright; 44.5; 53; 43Bet And ; 2.05; 3300;occ; 89; 0;39606
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11; 3055.6; 26-SEP-2009 23:53:34; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;39606
12; 4503.9; 27-SEP-2009 00:17:42; Bright; 35.0; 24; 66Alp Gem ; 1.58; 10200;occ; 70; 0;39606
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4; -208.9; 26-SEP-2009 07:53:46; Dark ; 20.5; 23; 21Eps CMA ; 1.50; 26000;occ; 41; 0;39596
5; 21.3; 26-SEP-2009 07:57:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39597
6; 206.2; 26-SEP-2009 08:00:41; Dark ; 57.0; 108; Alp Col ; 2.65; 15200;occ; 114; 0;39597
7; 864.1; 26-SEP-2009 08:11:39; Dark ; 43.0; 157; The1Eri ; 2.91; 9300;occ; 86; 0;39597
8; 1548.3; 26-SEP-2009 08:23:04; Dark ; 37.0; 52; 16Bet Cet ; 2.04; 4500;occ; 74; 0;39597
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2; 2457.1; 26-SEP-2009 08:38:12; Bright; 25.0; 58; 21Alp And ; 2.07; 11000;occ; 50; 0;39597
3; 2711.5; 26-SEP-2009 08:42:27; Bright; 30.0; 53; 43Bet And ; 2.05; 3300;occ; 60; 0;39597
4; 2970.0; 26-SEP-2009 08:46:45; Bright; 2.0; 74; 11Bet Cas ; 2.27; 6600;occ; 4; 0;39597
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