

GOMOS Daily Report 17-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 04:54:01
Data source version	GOMOS/5.00L03
Start time of products	17NOV2009 00:04:23
Stop time of products	17NOV2009 23:58:41
Store outputs in DB	Yes
Nb of level 1b prods	107
Nb of prods with errors	0

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

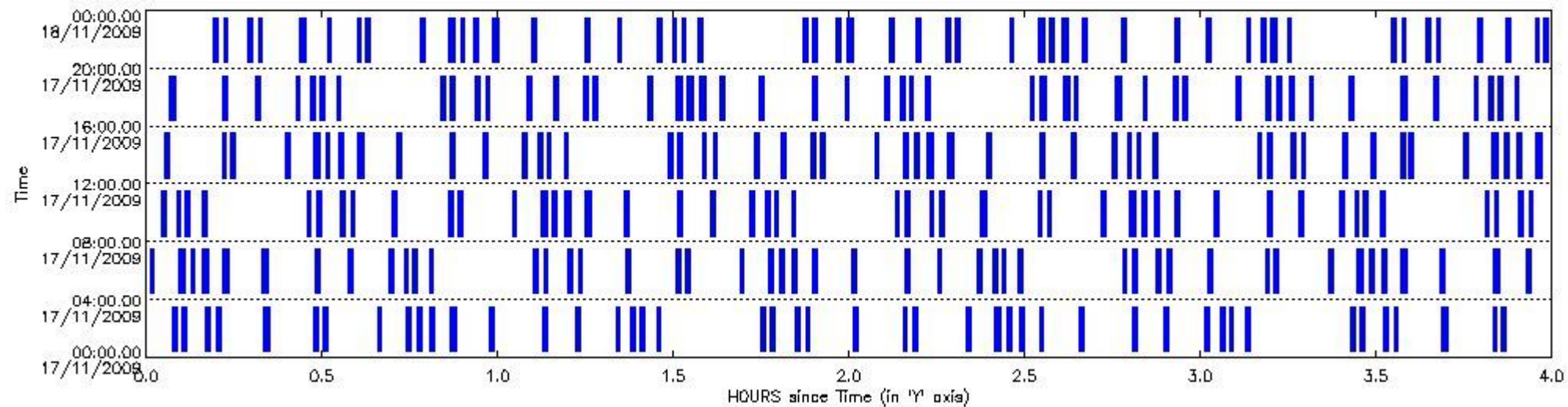
2.1 Level 0 products arrived in PCF (see template [here](#))

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.

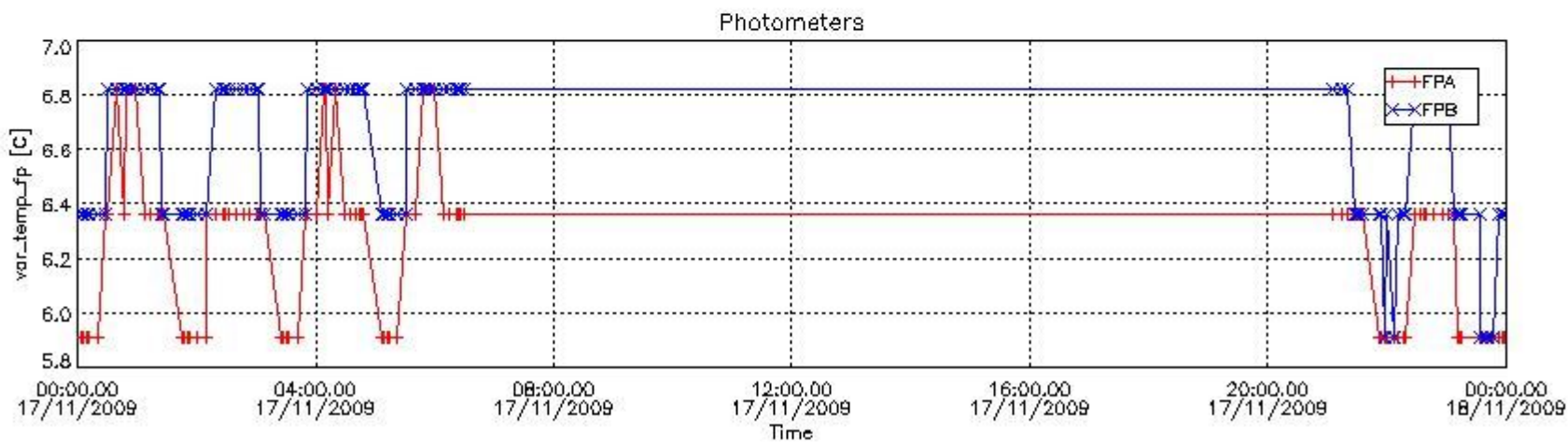
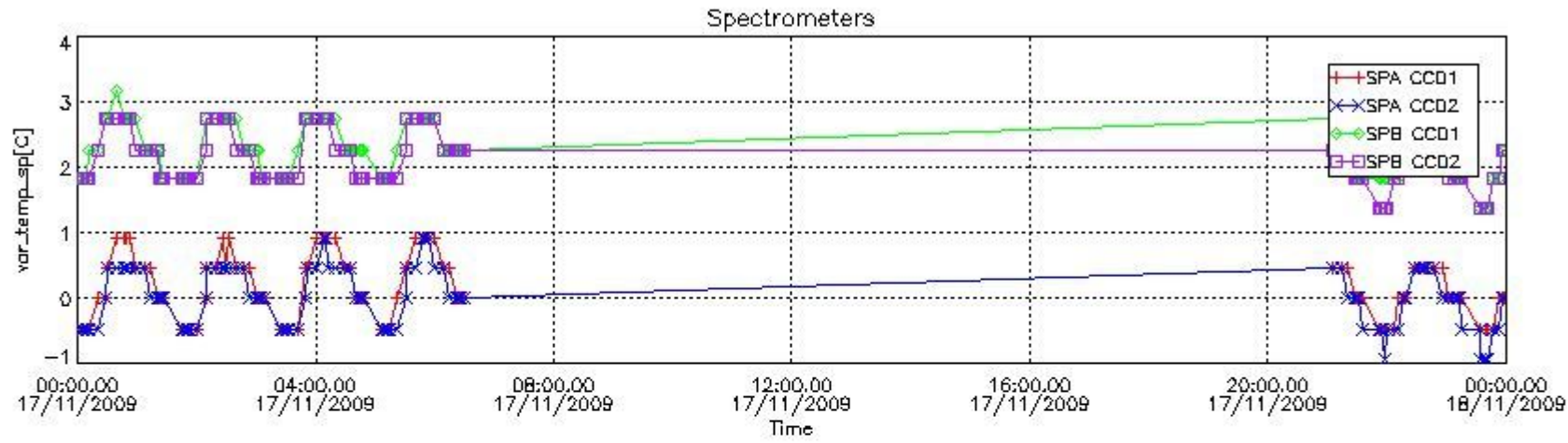
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20091117_000423_000000452084_00202_40336_3746.N1	17-NOV-2009 00:04:23	Bright	44.500	36	50Alp UMa	1.8000	6300.0	89	40336	No
2	GOM_TRA_1PNPDE20091117_000602_000000442084_00202_40336_3747.N1	17-NOV-2009 00:06:02	Bright	44.000	82	48Bet UMa	2.3650	10600.	88	40336	No
3	GOM_TRA_1PNPDE20091117_001007_000000452084_00202_40336_3748.N1	17-NOV-2009 00:10:07	Bright	45.000	174	52Psi UMa	3.0040	4400.0	90	40336	No
4	GOM_TRA_1PNPDE20091117_001157_000000532084_00202_40336_3749.N1	17-NOV-2009 00:11:57	Bright	53.000	152	12Alp2CVn	2.8900	11000.	106	40336	No
5	GOM_TRA_1PNPDE20091117_002003_000000622084_00202_40336_3750.N1	17-NOV-2009 00:20:03	Bright	61.500	62	94Bet Leo	2.1360	9700.0	123	40336	No
6	GOM_TRA_1PNPDE20091117_002840_000000442084_00202_40336_3739.N1	17-NOV-2009 00:28:40	Twilight	44.000	100	4Gam Crv	2.5800	13100.	88	40336	No
7	GOM_TRA_1PNPDE20091117_003011_000000452084_00202_40336_3740.N1	17-NOV-2009 00:30:11	Twilight	44.500	171	2Eps Crv	3.0010	4250.0	89	40336	No
8	GOM_TRA_1PNPDE20091117_003928_000000432084_00202_40336_3741.N1	17-NOV-2009 00:39:28	Dark	43.000	113	Mu Vel	2.6920	5000.0	86	40336	No
9	GOM_TRA_1PNPDE20091117_004620_000000432084_00203_40337_3742.N1	17-NOV-2009 00:46:20	Dark	43.000	41	Eps Car	1.8600	4100.0	86	40337	No
10	GOM_TRA_1PNPDE20091117_004823_000000552084_00203_40337_3743.N1	17-NOV-2009 00:48:23	Dark	55.000	70	Zet Pup	2.2460	39000.	110	40337	No
11	GOM_TRA_1PNPDE20091117_005151_000000612084_00203_40337_3744.N1	17-NOV-2009 00:51:51	Dark	61.000	2	Alp Car	-0.73600	7000.0	122	40337	No
12	GOM_TRA_1PNPDE20091117_005833_000000522084_00203_40337_3745.N1	17-NOV-2009 00:58:33	Dark	52.000	108	Alp Col	2.6520	15200.	104	40337	No

13	GOM_TRA_1PNPDE20091117_010743_000000522084_00203_40337_3746.N1	17-NOV-2009 01:07:43	Straylight	52.000	165	34Gam Eri	2.9500	3200.0	104	40337	No
14	GOM_TRA_1PNPDE20091117_011316_000000482084_00203_40337_3747.N1	17-NOV-2009 01:13:16	Twilight	47.500	94	92Alp Cet	2.5260	3100.0	95	40337	No
15	GOM_TRA_1PNPDE20091117_012009_000000452084_00203_40337_3748.N1	17-NOV-2009 01:20:09	Bright	45.000	146	25Eta Tau	2.8730	15200.	90	40337	No
16	GOM_TRA_1PNPDE20091117_012247_000000442084_00203_40337_3749.N1	17-NOV-2009 01:22:47	Bright	43.500	150	44Zet Per	2.8900	28000.	87	40337	No
17	GOM_TRA_1PNPDE20091117_012420_000000392084_00203_40337_3750.N1	17-NOV-2009 01:24:20	Bright	39.000	79	26Bet Per	2.3100	13100.	78	40337	No
18	GOM_TRA_1PNPDE20091117_012710_000000392084_00203_40337_3751.N1	17-NOV-2009 01:27:10	Bright	39.000	35	33Alp Per	1.7950	6250.0	78	40337	No
19	GOM_TRA_1PNPDE20091117_014459_000000472084_00203_40337_3752.N1	17-NOV-2009 01:44:59	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	40337	No
20	GOM_TRA_1PNPDE20091117_014637_000000402084_00203_40337_3753.N1	17-NOV-2009 01:46:37	Bright	39.500	82	48Bet UMa	2.3650	10600.	79	40337	No
21	GOM_TRA_1PNPDE20091117_015043_000000582084_00203_40337_3754.N1	17-NOV-2009 01:50:43	Bright	58.000	174	52Psi UMa	3.0040	4400.0	116	40337	No
22	GOM_TRA_1PNPDE20091117_015233_000000392084_00203_40337_3755.N1	17-NOV-2009 01:52:33	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	40337	No
23	GOM_TRA_1PNPDE20091117_020039_000000452084_00203_40337_3756.N1	17-NOV-2009 02:00:39	Bright	44.500	62	94Bet Leo	2.1360	9700.0	89	40337	No
24	GOM_TRA_1PNPDE20091117_020916_000000402084_00203_40337_3749.N1	17-NOV-2009 02:09:16	Twilight	40.000	100	4Gam Crv	2.5800	13100.	80	40337	No
25	GOM_TRA_1PNPDE20091117_021048_000000472084_00203_40337_3750.N1	17-NOV-2009 02:10:48	Twilight	46.500	171	2Eps Crv	3.0010	4250.0	93	40337	No
26	GOM_TRA_1PNPDE20091117_022005_000000402084_00203_40337_3751.N1	17-NOV-2009 02:20:05	Dark	40.000	113	Mu Vel	2.6920	5000.0	80	40337	No
27	GOM_TRA_1PNPDE20091117_022657_000000432084_00204_40338_3752.N1	17-NOV-2009 02:26:57	Dark	43.000	41	Eps Car	1.8600	4100.0	86	40338	No
28	GOM_TRA_1PNPDE20091117_022900_000000542084_00204_40338_3753.N1	17-NOV-2009 02:29:00	Dark	54.000	70	Zet Pup	2.2460	39000.	108	40338	No
29	GOM_TRA_1PNPDE20091117_023227_000000482084_00204_40338_3754.N1	17-NOV-2009 02:32:27	Dark	47.500	2	Alp Car	-0.73600	7000.0	95	40338	No
30	GOM_TRA_1PNPDE20091117_023909_000000532084_00204_40338_3755.N1	17-NOV-2009 02:39:09	Dark	52.500	108	Alp Col	2.6520	15200.	105	40338	No
31	GOM_TRA_1PNPDE20091117_024819_000000512084_00204_40338_3756.N1	17-NOV-2009 02:48:19	Straylight	51.000	165	34Gam Eri	2.9500	3200.0	102	40338	No
32	GOM_TRA_1PNPDE20091117_025351_000000482084_00204_40338_3757.N1	17-NOV-2009 02:53:51	Twilight	47.500	94	92Alp Cet	2.5260	3100.0	95	40338	No
33	GOM_TRA_1PNPDE20091117_030045_000000442084_00204_40338_3758.N1	17-NOV-2009 03:00:45	Bright	43.500	146	25Eta Tau	2.8730	15200.	87	40338	No
34	GOM_TRA_1PNPDE20091117_030322_000000452084_00204_40338_3759.N1	17-NOV-2009 03:03:22	Bright	44.500	150	44Zet Per	2.8900	28000.	89	40338	No
35	GOM_TRA_1PNPDE20091117_030455_000000402084_00204_40338_3760.N1	17-NOV-2009 03:04:55	Bright	40.000	79	26Bet Per	2.3100	13100.	80	40338	No
36	GOM_TRA_1PNPDE20091117_030746_000000382084_00204_40338_3761.N1	17-NOV-2009 03:07:46	Bright	38.000	35	33Alp Per	1.7950	6250.0	76	40338	No
37	GOM_TRA_1PNPDE20091117_032535_000000472084_00204_40338_3755.N1	17-NOV-2009 03:25:35	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	40338	No
38	GOM_TRA_1PNPDE20091117_032713_000000462084_00204_40338_3756.N1	17-NOV-2009 03:27:13	Bright	45.500	82	48Bet UMa	2.3650	10600.	91	40338	No
39	GOM_TRA_1PNPDE20091117_033118_000000442084_00204_40338_3757.N1	17-NOV-2009 03:31:18	Bright	43.500	174	52Psi UMa	3.0040	4400.0	87	40338	No
40	GOM_TRA_1PNPDE20091117_033309_000000362084_00204_40338_3758.N1	17-NOV-2009 03:33:09	Bright	35.500	152	12Alp2CVn	2.8900	11000.	71	40338	No
41	GOM_TRA_1PNPDE20091117_034116_000000622084_00204_40338_3759.N1	17-NOV-2009 03:41:16	Bright	62.000	62	94Bet Leo	2.1360	9700.0	124	40338	No
42	GOM_TRA_1PNPDE20091117_034953_000000462084_00204_40338_3760.N1	17-NOV-2009 03:49:53	Twilight	46.000	100	4Gam Crv	2.5800	13100.	92	40338	No
43	GOM_TRA_1PNPDE20091117_035124_000000472084_00204_40338_3761.N1	17-NOV-2009 03:51:24	Twilight	46.500	171	2Eps Crv	3.0010	4250.0	93	40338	No
44	GOM_TRA_1PNPDE20091117_040042_000000402084_00204_40338_3762.N1	17-NOV-2009 04:00:42	Dark	40.000	113	Mu Vel	2.6920	5000.0	80	40338	No
45	GOM_TRA_1PNPDE20091117_040734_000000422084_00205_40339_3763.N1	17-NOV-2009 04:07:34	Dark	42.000	41	Eps Car	1.8600	4100.0	84	40339	No
46	GOM_TRA_1PNPDE20091117_040937_000000552084_00205_40339_3764.N1	17-NOV-2009 04:09:37	Dark	55.000	70	Zet Pup	2.2460	39000.	110	40339	No
47	GOM_TRA_1PNPDE20091117_041304_000000612084_00205_40339_3765.N1	17-NOV-2009 04:13:04	Dark	61.000	2	Alp Car	-0.73600	7000.0	122	40339	No
48	GOM_TRA_1PNPDE20091117_041946_000000542084_00205_40339_3766.N1	17-NOV-2009 04:19:46	Dark	54.000	108	Alp Col	2.6520	15200.	108	40339	No
49	GOM_TRA_1PNPDE20091117_042855_000000492084_00205_40339_3767.N1	17-NOV-2009 04:28:55	Straylight	49.000	165	34Gam Eri	2.9500	3200.0	98	40339	No
50	GOM_TRA_1PNPDE20091117_043427_000000482084_00205_40339_3768.N1	17-NOV-2009 04:34:27	Twilight	48.000	94	92Alp Cet	2.5260	3100.0	96	40339	No
51	GOM_TRA_1PNPDE20091117_044121_000000452084_00205_40339_3769.N1	17-NOV-2009 04:41:21	Bright	45.000	146	25Eta Tau	2.8730	15200.	90	40339	No
52	GOM_TRA_1PNPDE20091117_044358_000000452084_00205_40339_3770.N1	17-NOV-2009 04:43:58	Bright	44.500	150	44Zet Per	2.8900	28000.	89	40339	No
53	GOM_TRA_1PNPDE20091117_044531_000000392084_00205_40339_3771.N1	17-NOV-2009 04:45:31	Bright	38.500	79	26Bet Per	2.3100	13100.	77	40339	No
54	GOM_TRA_1PNPDE20091117_044822_000000402084_00205_40339_3772.N1	17-NOV-2009 04:48:22	Bright	40.000	35	33Alp Per	1.7950	6250.0	80	40339	No
55	GOM_TRA_1PNPDE20091117_050610_000000402084_00205_40339_3762.N1	17-NOV-2009 05:06:10	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	40339	No
56	GOM_TRA_1PNPDE20091117_050749_000000442084_00205_40339_3763.N1	17-NOV-2009 05:07:49	Bright	44.000	82	48Bet UMa	2.3650	10600.	88	40339	No
57	GOM_TRA_1PNPDE20091117_051154_000000452084_00205_40339_3764.N1	17-NOV-2009 05:11:54	Bright	45.000	174	52Psi UMa	3.0040	4400.0	90	40339	No
58	GOM_TRA_1PNPDE20091117_051345_000000352084_00205_40339_3765.N1	17-NOV-2009 05:13:45	Bright	35.000	152	12Alp2CVn	2.8900	11000.	70	40339	No
59	GOM_TRA_1PNPDE20091117_052152_000000412084_00205_40339_3766.N1	17-NOV-2009 05:21:52	Bright	40.500	62	94Bet Leo	2.1360	9700.0	81	40339	No
60	GOM_TRA_1PNPDE20091117_053029_000000442084_00205_40339_3767.N1	17-NOV-2009 05:30:29	Twilight	44.000	100	4Gam Crv	2.5800	13100.	88	40339	No
61	GOM_TRA_1PNPDE20091117_053201_000000452084_00205_40339_3768.N1	17-NOV-2009 05:32:01	Twilight	44.500	171	2Eps Crv	3.0010	4250.0	89	40339	No
62	GOM_TRA_1PNPDE20091117_054118_000000432084_00205_40339_3769.N1	17-NOV-2009 05:41:18	Dark	42.500	113	Mu Vel	2.6920	5000.0	85	40339	No
63	GOM_TRA_1PNPDE20091117_054810_000000422084_00206_40340_3770.N1	17-NOV-2009 05:48:10	Dark	41.500	41	Eps Car	1.8600	4100.0	83	40340	No
64	GOM_TRA_1PNPDE20091117_055014_000000532084_00206_40340_3771.N1	17-NOV-2009 05:50:14	Dark	53.000	70	Zet Pup	2.2460	39000.	106	40340	No
65	GOM_TRA_1PNPDE20091117_055341_000000472084_00206_40340_3772.N1	17-NOV-2009 05:53:41	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	40340	No
66	GOM_TRA_1PNPDE20091117_060022_000000532084_00206_40340_3773.N1	17-NOV-2009 06:00:22	Dark	52.500	108	Alp Col	2.6520	15200.	105	40340	No
67	GOM_TRA_1PNPDE20091117_060931_000000512084_00206_40340_3774.N1	17-NOV-2009 06:09:31	Straylight	51.000	165	34Gam Eri	2.9500	3200.0	102	40340	No
68	GOM_TRA_1PNPDE20091117_061504_000000462084_00206_40340_3775.N1	17-NOV-2009 06:15:04	Twilight	45.500	94	92Alp Cet	2.5260	3100.0	91	40340	No
69	GOM_TRA_1PNPDE20091117_062156_000000432084_00206_40340_3776.N1	17-NOV-2009 06:21:56	Bright	43.000	146	25Eta Tau	2.8730	15200.	86	40340	No
70	GOM_TRA_1PNPDE20091117_062433_000000452084_00206_40340_3777.N1	17-NOV-2009 06:24:33	Bright	45.000	150	44Zet Per	2.8900	28000.	90	40340	No
71	GOM_TRA_1PNPDE20091117_062607_000000382084_00206_40340_3778.N1	17-NOV-2009 06:26:07	Bright	38.000	79	26Bet Per	2.3100	13100.	76	40340	No

72	GOM_TRA_1PNPDE20091117_062857_000000372084_00206_40340_3779.N1	17-NOV-2009 06:28:57	Bright	37.000	35	33Alp Per	1.7950	6250.0	74	40340	No
73	GOM_TRA_1PNPDE20091117_210551_000000532084_00215_40349_3812.N1	17-NOV-2009 21:05:51	Dark	52.500	108	Alp Col	2.6520	15200.	105	40349	No
74	GOM_TRA_1PNPDE20091117_211455_000000512084_00215_40349_3813.N1	17-NOV-2009 21:14:55	Straylight	50.500	165	34Gam Eri	2.9500	3200.0	101	40349	No
75	GOM_TRA_1PNPDE20091117_212026_000000452084_00215_40349_3814.N1	17-NOV-2009 21:20:26	Twilight	45.000	94	92Alp Cet	2.5260	3100.0	90	40349	No
76	GOM_TRA_1PNPDE20091117_212715_000000452084_00215_40349_3815.N1	17-NOV-2009 21:27:15	Bright	45.000	146	25Eta Tau	2.8730	15200.	90	40349	No
77	GOM_TRA_1PNPDE20091117_212952_000000432084_00215_40349_3816.N1	17-NOV-2009 21:29:52	Bright	42.500	150	44Zet Per	2.8900	28000.	85	40349	No
78	GOM_TRA_1PNPDE20091117_213128_000000382084_00215_40349_3817.N1	17-NOV-2009 21:31:28	Bright	37.500	79	26Bet Per	2.3100	13100.	75	40349	No
79	GOM_TRA_1PNPDE20091117_213417_000000382084_00215_40349_3818.N1	17-NOV-2009 21:34:17	Bright	38.000	35	33Alp Per	1.7950	6250.0	76	40349	No
80	GOM_TRA_1PNPDE20091117_215208_000000472084_00215_40349_3819.N1	17-NOV-2009 21:52:08	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	40349	No
81	GOM_TRA_1PNPDE20091117_215346_000000452084_00215_40349_3820.N1	17-NOV-2009 21:53:46	Bright	45.000	82	48Bet UMa	2.3650	10600.	90	40349	No
82	GOM_TRA_1PNPDE20091117_215752_000000462084_00215_40349_3821.N1	17-NOV-2009 21:57:52	Bright	46.000	174	52Psi UMa	3.0040	4400.0	92	40349	No
83	GOM_TRA_1PNPDE20091117_215946_000000542084_00215_40349_3822.N1	17-NOV-2009 21:59:46	Bright	54.000	152	12Alp2CVn	2.8900	11000.	108	40349	No
84	GOM_TRA_1PNPDE20091117_220646_000000512084_00215_40349_3823.N1	17-NOV-2009 22:06:46	Bright	51.000	96	68Del Leo	2.5600	9300.0	102	40349	No
85	GOM_TRA_1PNPDE20091117_221127_000000542084_00215_40349_3824.N1	17-NOV-2009 22:11:27	Bright	53.500	121	29Gam Vir	2.7400	7200.0	107	40349	No
86	GOM_TRA_1PNPDE20091117_221633_000000422084_00215_40349_3818.N1	17-NOV-2009 22:16:33	Twilight	42.000	100	4Gam Crv	2.5800	13100.	84	40349	No
87	GOM_TRA_1PNPDE20091117_221805_000000482084_00215_40349_3819.N1	17-NOV-2009 22:18:05	Twilight	47.500	171	2Eps Crv	3.0010	4250.0	95	40349	No
88	GOM_TRA_1PNPDE20091117_222724_000000412084_00215_40349_3820.N1	17-NOV-2009 22:27:24	Dark	41.000	113	Mu Vel	2.6920	5000.0	82	40349	No
89	GOM_TRA_1PNPDE20091117_223416_000000422084_00216_40350_3821.N1	17-NOV-2009 22:34:16	Dark	41.500	41	Eps Car	1.8600	4100.0	83	40350	No
90	GOM_TRA_1PNPDE20091117_223626_000000552084_00216_40350_3822.N1	17-NOV-2009 22:36:26	Dark	55.000	70	Zet Pup	2.2460	39000.	110	40350	No
91	GOM_TRA_1PNPDE20091117_223946_000000502084_00216_40350_3823.N1	17-NOV-2009 22:39:46	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	40350	No
92	GOM_TRA_1PNPDE20091117_224628_000000542084_00216_40350_3824.N1	17-NOV-2009 22:46:28	Dark	54.000	108	Alp Col	2.6520	15200.	108	40350	No
93	GOM_TRA_1PNPDE20091117_225530_000000512084_00216_40350_3825.N1	17-NOV-2009 22:55:30	Straylight	50.500	165	34Gam Eri	2.9500	3200.0	101	40350	No
94	GOM_TRA_1PNPDE20091117_230102_000000462084_00216_40350_3826.N1	17-NOV-2009 23:01:02	Twilight	46.000	94	92Alp Cet	2.5260	3100.0	92	40350	No
95	GOM_TRA_1PNPDE20091117_230751_000000432084_00216_40350_3827.N1	17-NOV-2009 23:07:51	Bright	42.500	146	25Eta Tau	2.8730	15200.	85	40350	No
96	GOM_TRA_1PNPDE20091117_231027_000000442084_00216_40350_3828.N1	17-NOV-2009 23:10:27	Bright	43.500	150	44Zet Per	2.8900	28000.	87	40350	No
97	GOM_TRA_1PNPDE20091117_231203_000000562084_00216_40350_3829.N1	17-NOV-2009 23:12:03	Bright	56.000	79	26Bet Per	2.3100	13100.	112	40350	No
98	GOM_TRA_1PNPDE20091117_231453_000000392084_00216_40350_3830.N1	17-NOV-2009 23:14:53	Bright	38.500	35	33Alp Per	1.7950	6250.0	77	40350	No
99	GOM_TRA_1PNPDE20091117_233243_000000462084_00216_40350_3831.N1	17-NOV-2009 23:32:43	Bright	45.500	36	50Alp UMa	1.8000	6300.0	91	40350	No
100	GOM_TRA_1PNPDE20091117_233422_000000412084_00216_40350_3832.N1	17-NOV-2009 23:34:22	Bright	40.500	82	48Bet UMa	2.3650	10600.	81	40350	No
101	GOM_TRA_1PNPDE20091117_233828_000000462084_00216_40350_3833.N1	17-NOV-2009 23:38:28	Bright	45.500	174	52Psi UMa	3.0040	4400.0	91	40350	No
102	GOM_TRA_1PNPDE20091117_234021_000000352084_00216_40350_3834.N1	17-NOV-2009 23:40:21	Bright	34.500	152	12Alp2CVn	2.8900	11000.	69	40350	No
103	GOM_TRA_1PNPDE20091117_234721_000000502084_00216_40350_3835.N1	17-NOV-2009 23:47:21	Bright	49.500	96	68Del Leo	2.5600	9300.0	99	40350	No
104	GOM_TRA_1PNPDE20091117_235203_000000542084_00216_40350_3836.N1	17-NOV-2009 23:52:03	Bright	54.000	121	29Gam Vir	2.7400	7200.0	108	40350	No
105	GOM_TRA_1PNPDE20091117_235710_000000332084_00216_40350_3837.N1	17-NOV-2009 23:57:10	Twilight	33.000	100	4Gam Crv	2.5800	13100.	66	40350	No
106	GOM_TRA_1PNPDE20091117_235710_000000392084_00216_40350_3825.N1	17-NOV-2009 23:57:10	Twilight	39.000	100	4Gam Crv	2.5800	13100.	78	40350	No
107	GOM_TRA_1PNPDE20091117_235841_000000462084_00216_40350_3826.N1	17-NOV-2009 23:58:41	Twilight	46.000	171	2Eps Crv	3.0010	4250.0	92	40350	No

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



4. Overview of dark signal processing per product

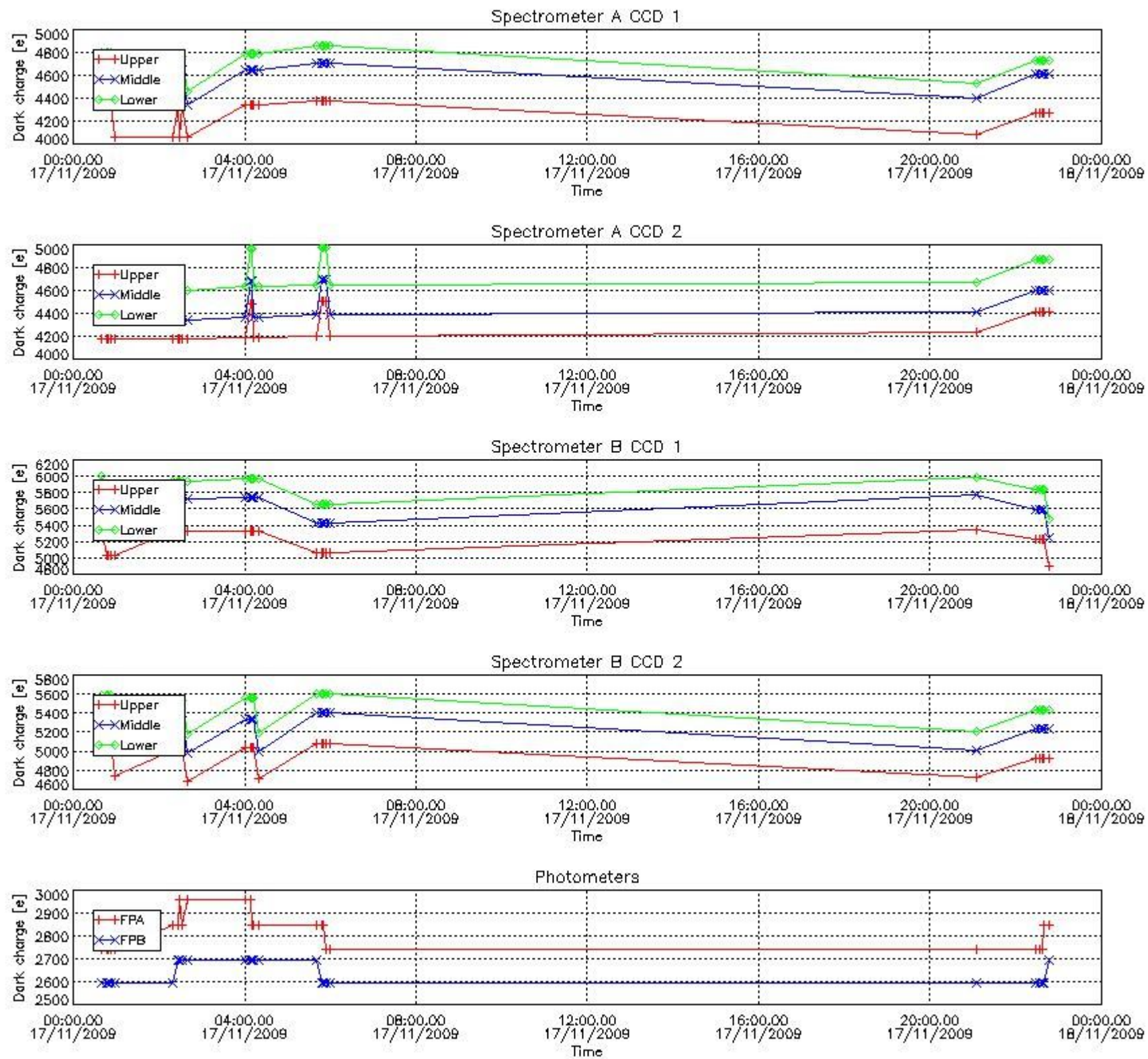
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20091117_210551_000000532084_00215_40349_3812.N1	DC map used
GOM_TRA_1PNPDE20091117_211455_000000512084_00215_40349_3813.N1	DC map used
GOM_TRA_1PNPDE20091117_212026_000000452084_00215_40349_3814.N1	DC map used
GOM_TRA_1PNPDE20091117_212715_000000452084_00215_40349_3815.N1	DC map used
GOM_TRA_1PNPDE20091117_212952_000000432084_00215_40349_3816.N1	DC map used
GOM_TRA_1PNPDE20091117_213128_000000382084_00215_40349_3817.N1	DC map used
GOM_TRA_1PNPDE20091117_213417_000000382084_00215_40349_3818.N1	DC map used
GOM_TRA_1PNPDE20091117_215208_000000472084_00215_40349_3819.N1	DC map used
GOM_TRA_1PNPDE20091117_215346_000000452084_00215_40349_3820.N1	DC map used
GOM_TRA_1PNPDE20091117_215752_000000462084_00215_40349_3821.N1	DC map used
GOM_TRA_1PNPDE20091117_215946_000000542084_00215_40349_3822.N1	DC map used
GOM_TRA_1PNPDE20091117_220646_000000512084_00215_40349_3823.N1	DC map used
GOM_TRA_1PNPDE20091117_221127_000000542084_00215_40349_3824.N1	DC map used

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



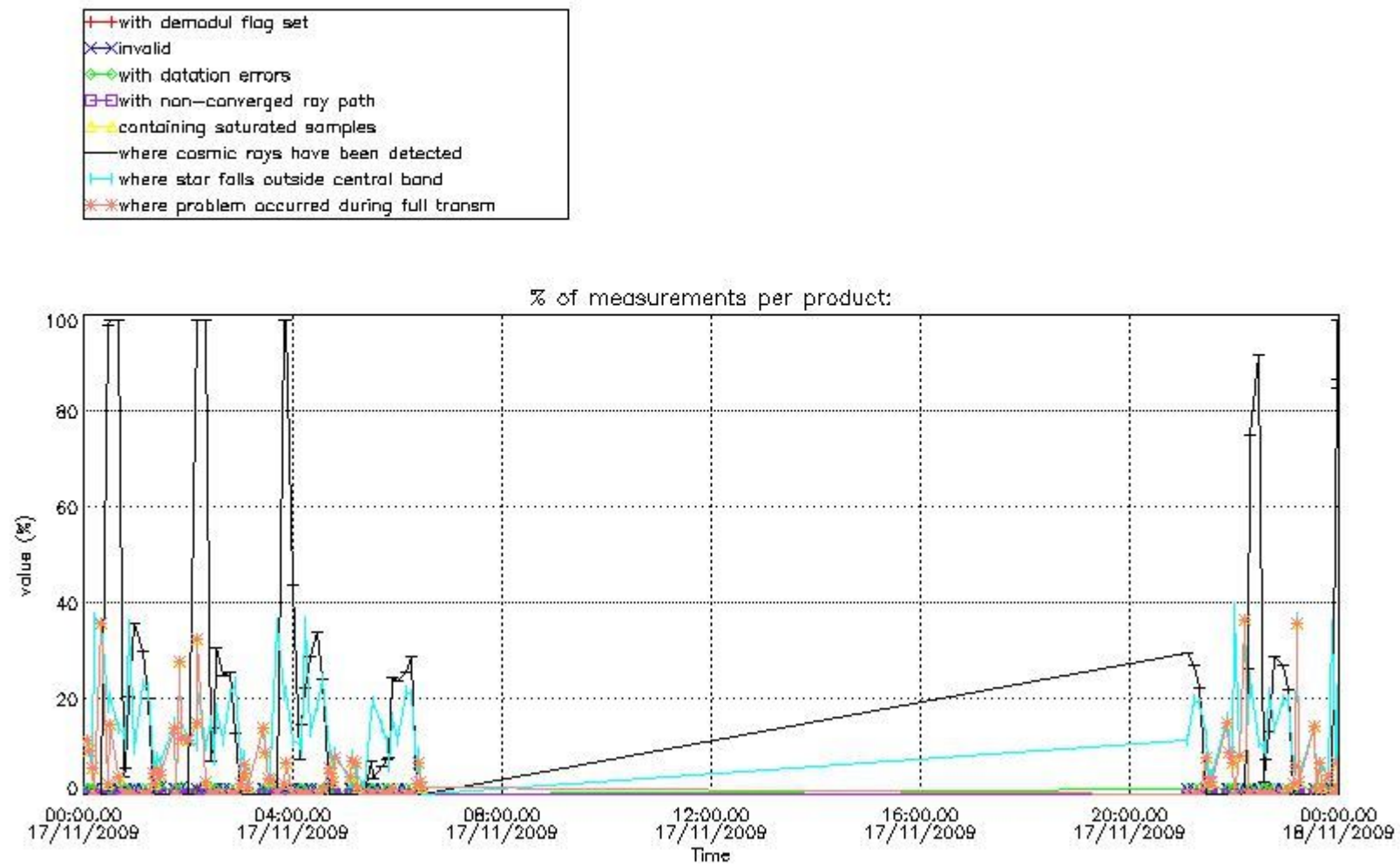
5. Demodulation flag and quality information monitoring

In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

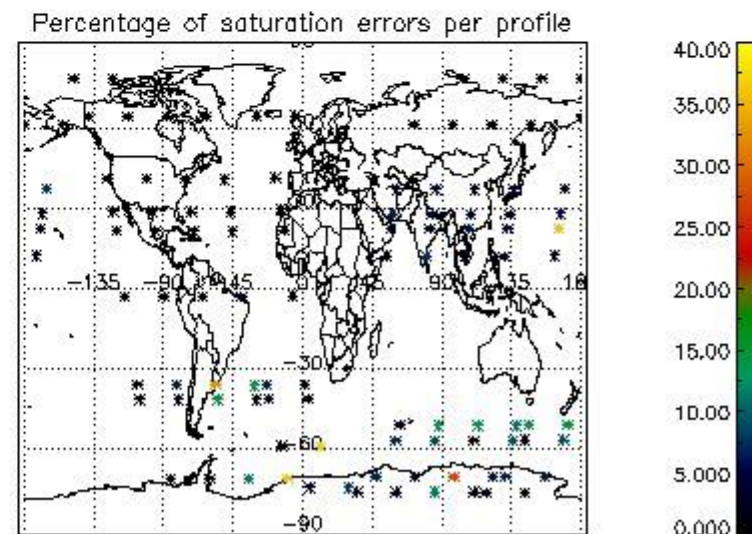
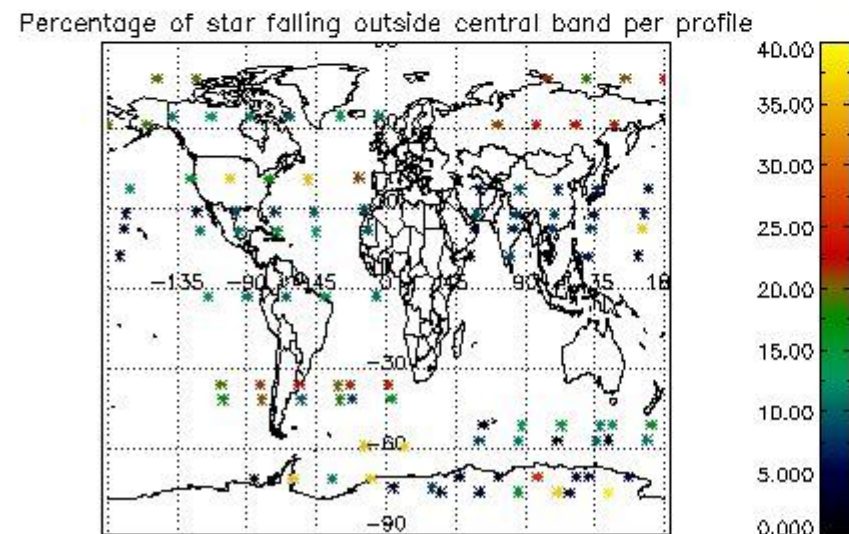
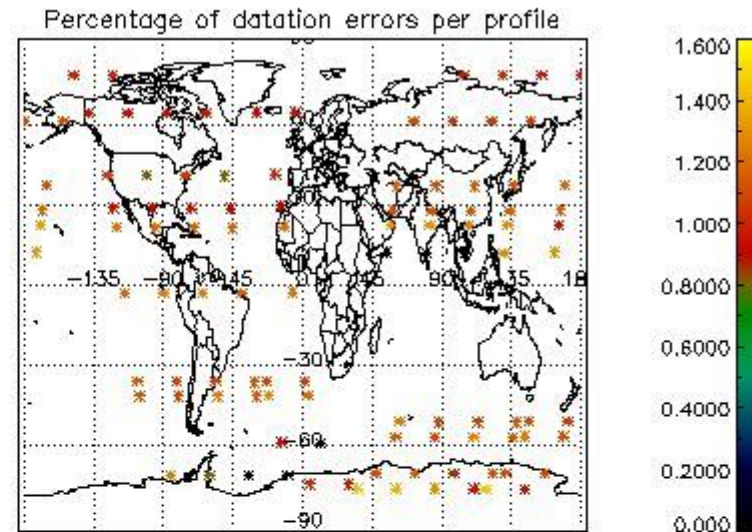
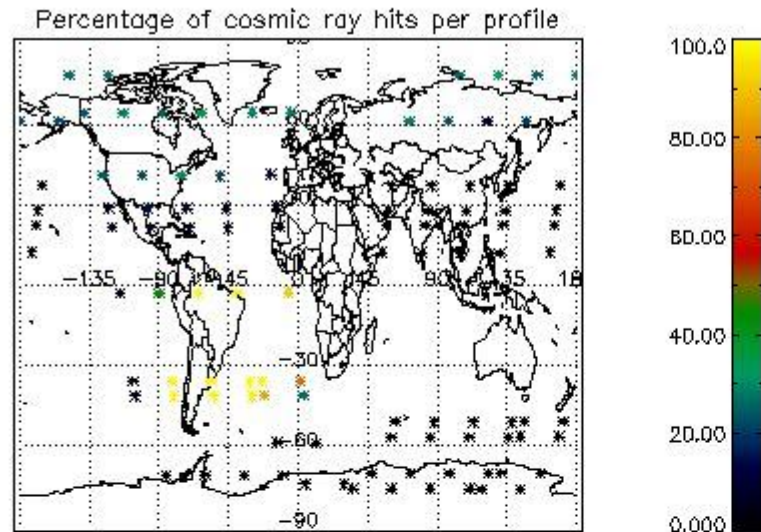
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	39.2523 %
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)



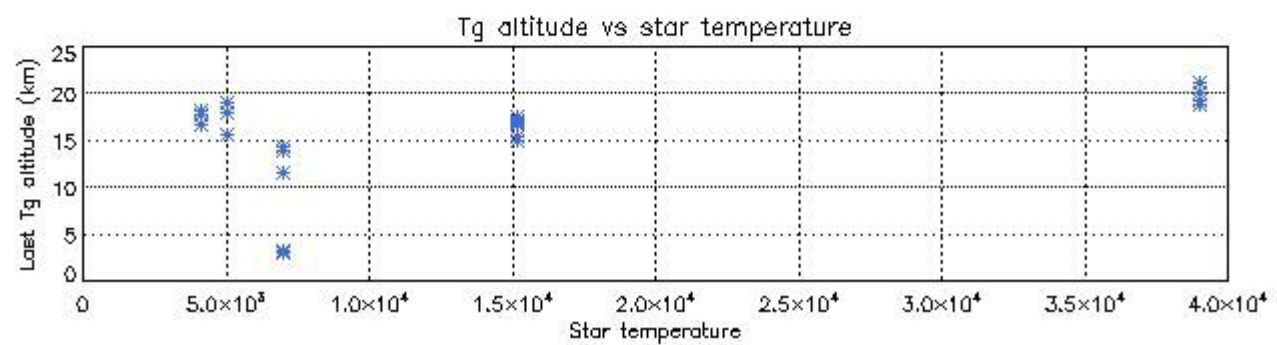
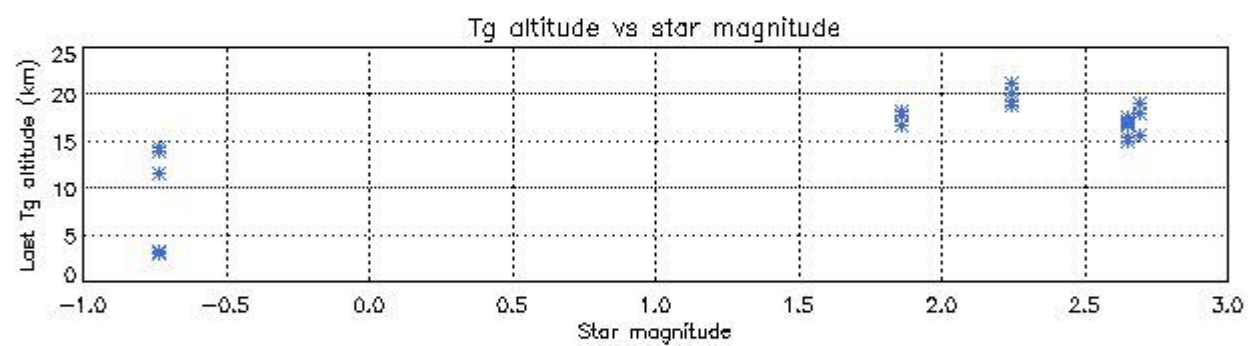
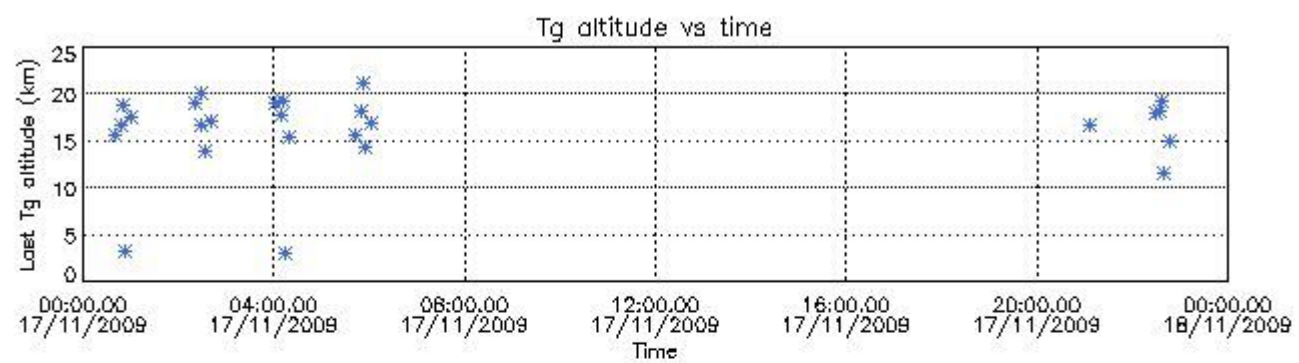
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.051	18.166	11.086
St. deviation:	4.3372	6.2460	0.84290
Maximum:	21.094	25.906	12.245
Minimum:	3.0308	3.5268	10.087
Number of data:	26.000	56.000	6.0000

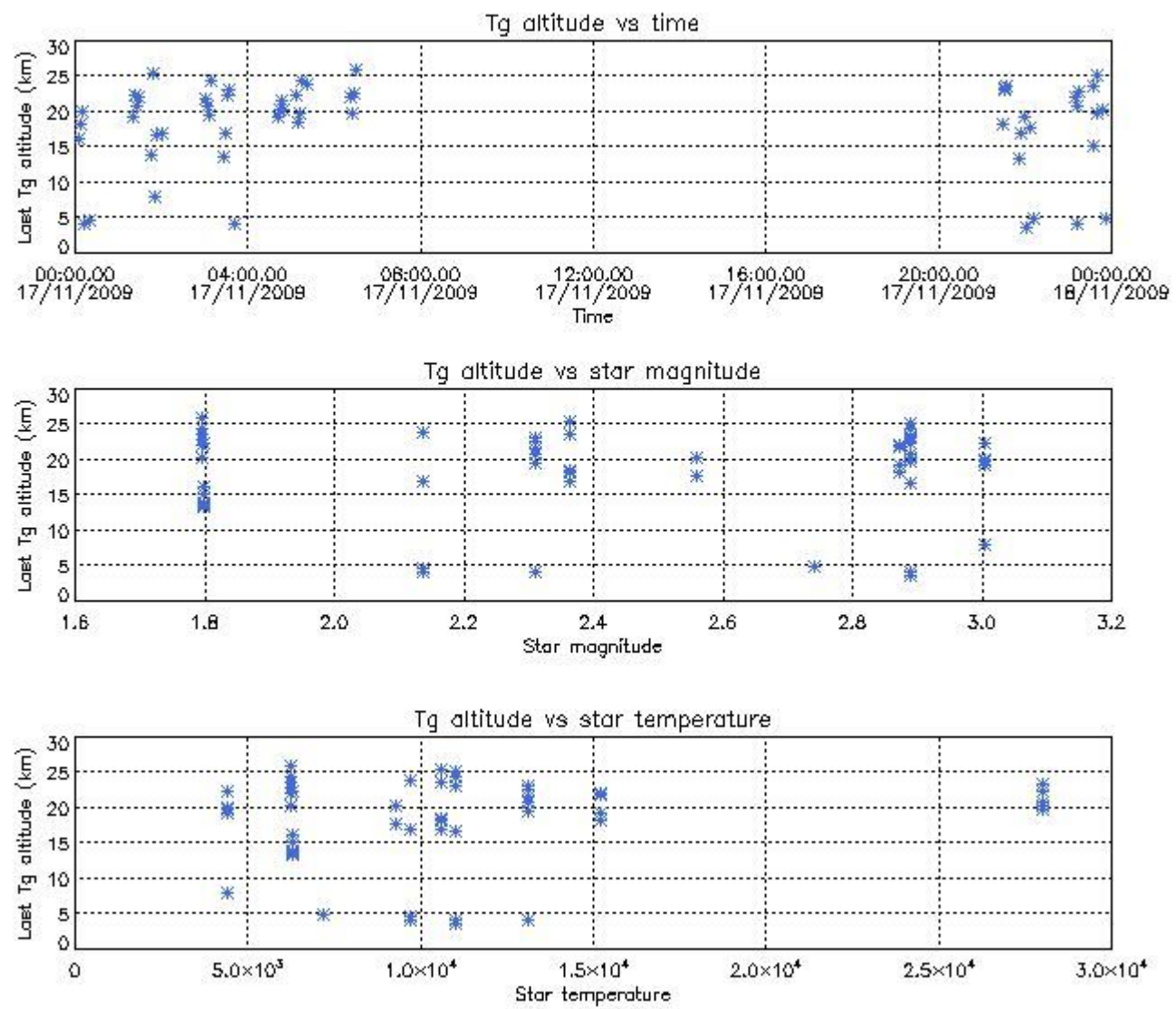
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



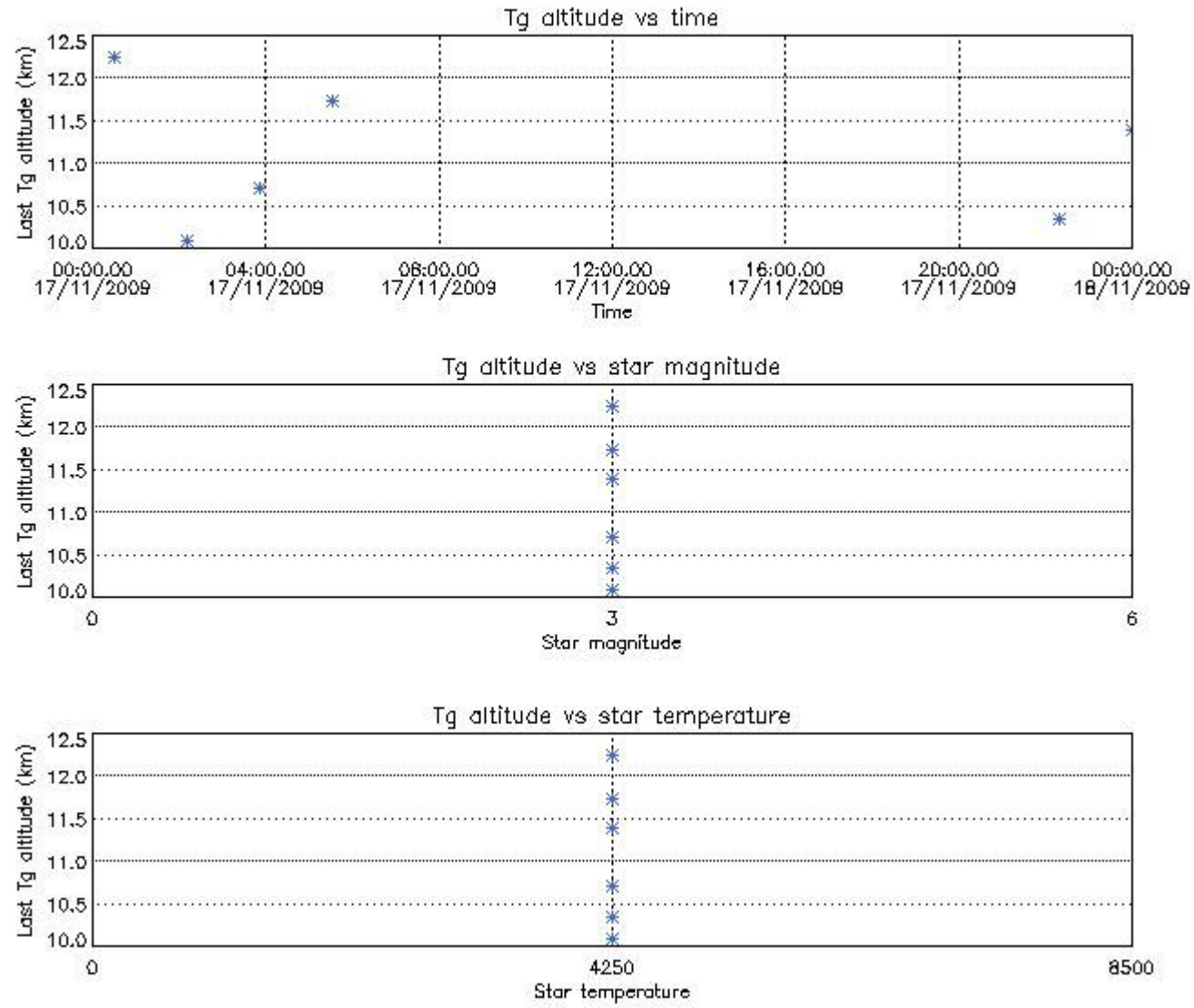
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

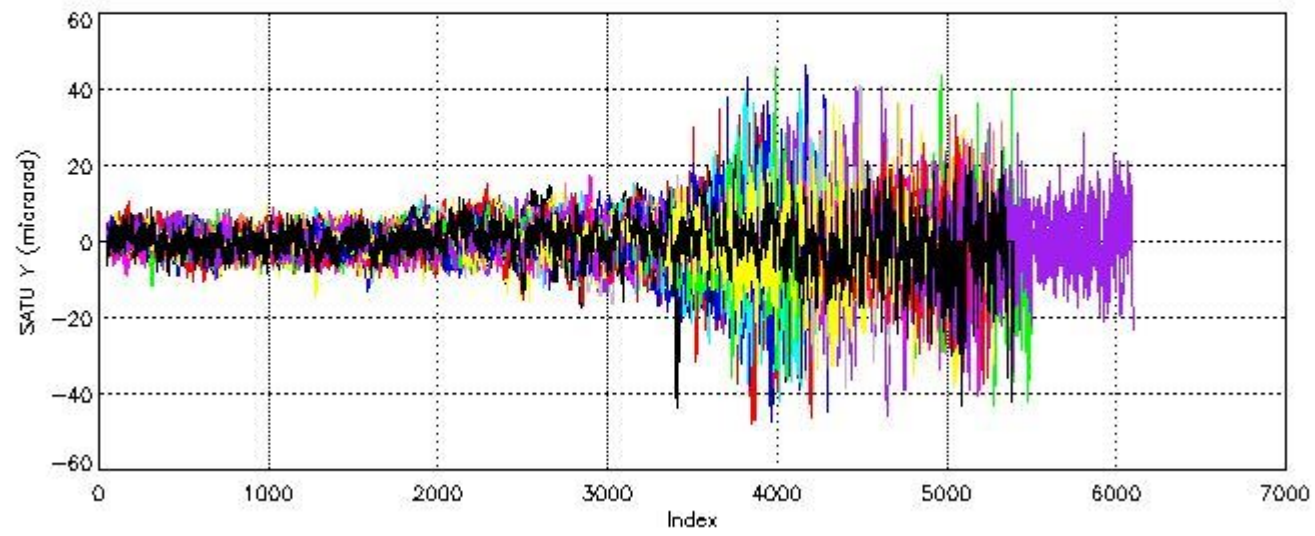
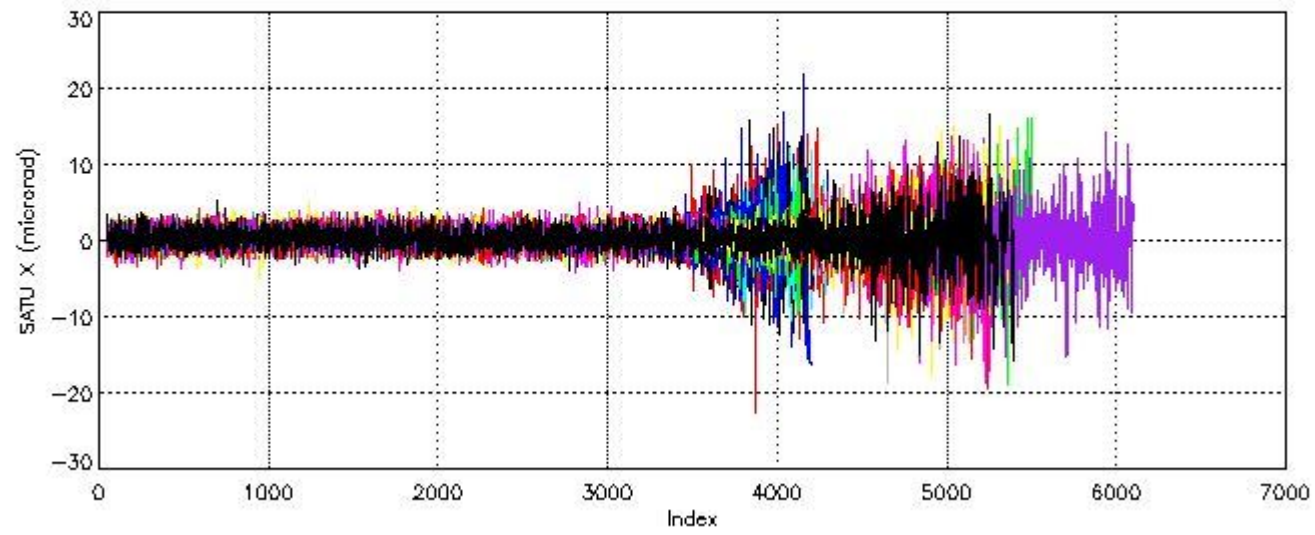


7. Star Acquisition and Tracking Unit (SATU)

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:	0.24761	-0.046766	0.19657	-0.17238
St. deviation:	0.62218	2.4749	1.0253	2.8703
Maximum:	5.2000	10.400	6.8000	12.500
Minimum:	-5.1000	-11.700	-6.6000	-18.800

Number of data:	27900.	27900.	54600.	54600.
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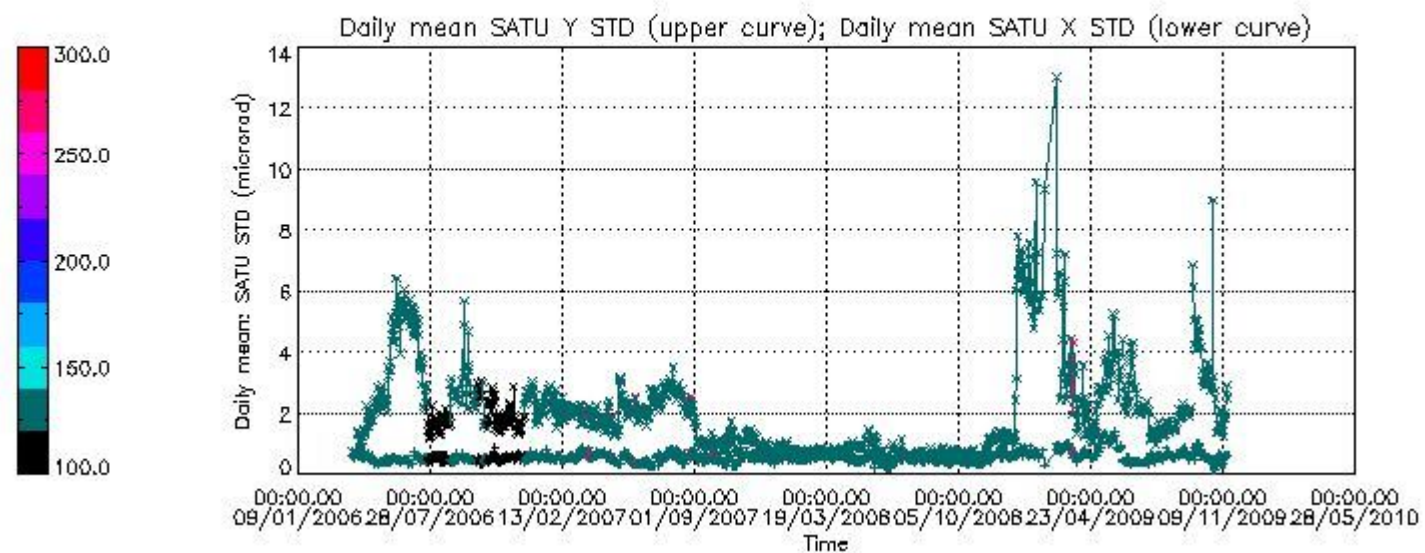
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

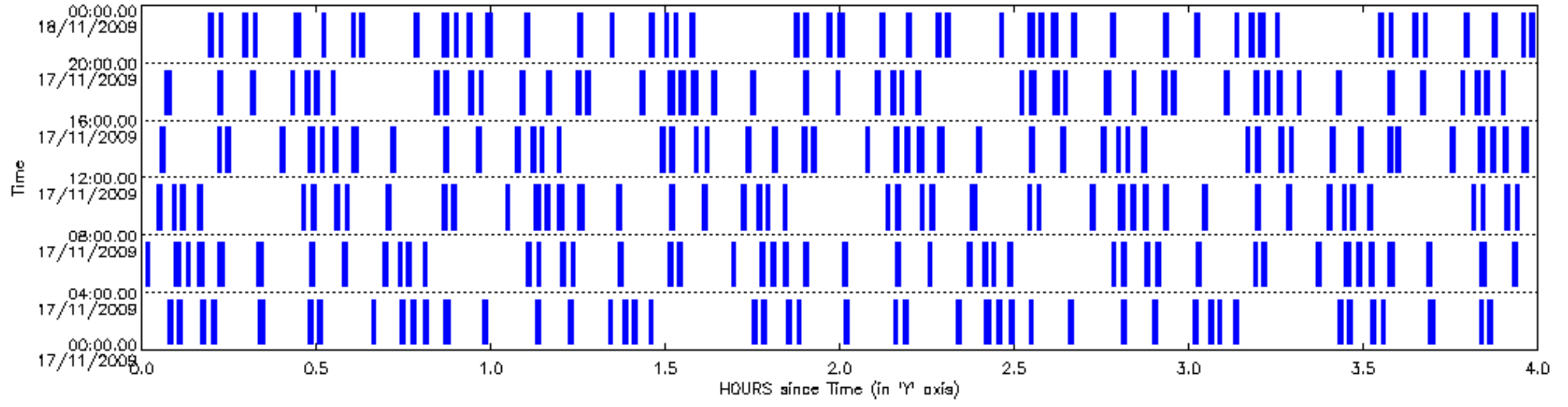
Lower curve: STD of SATU X axis

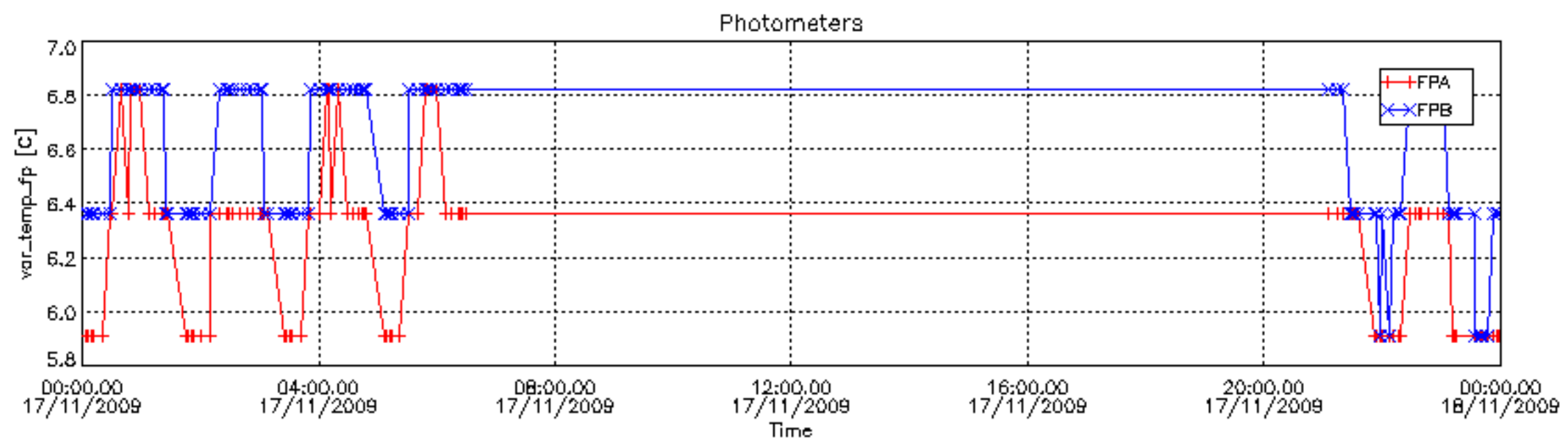
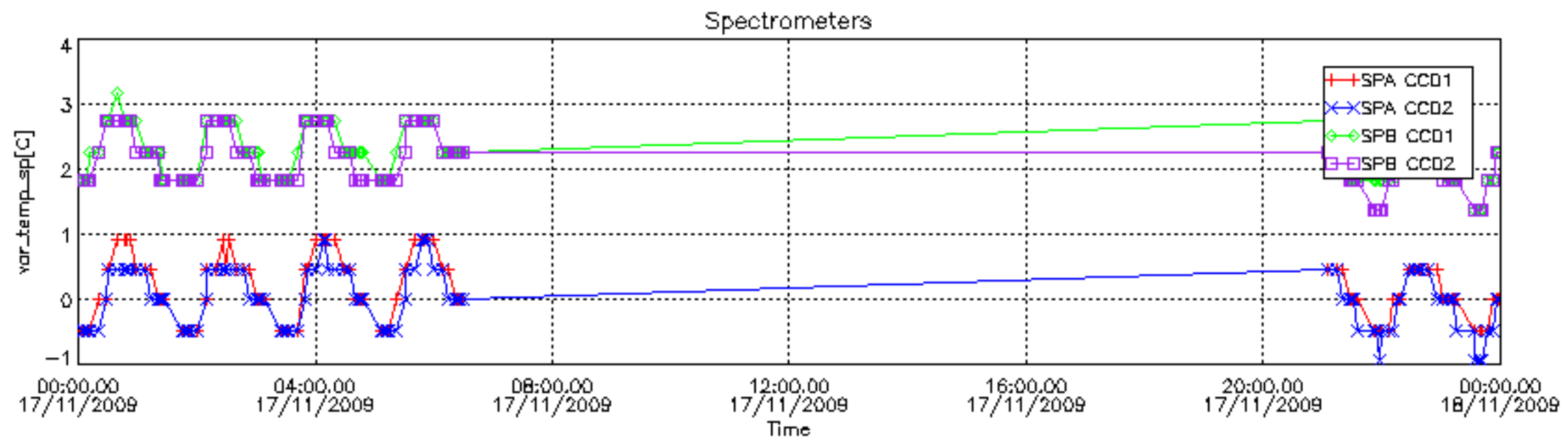


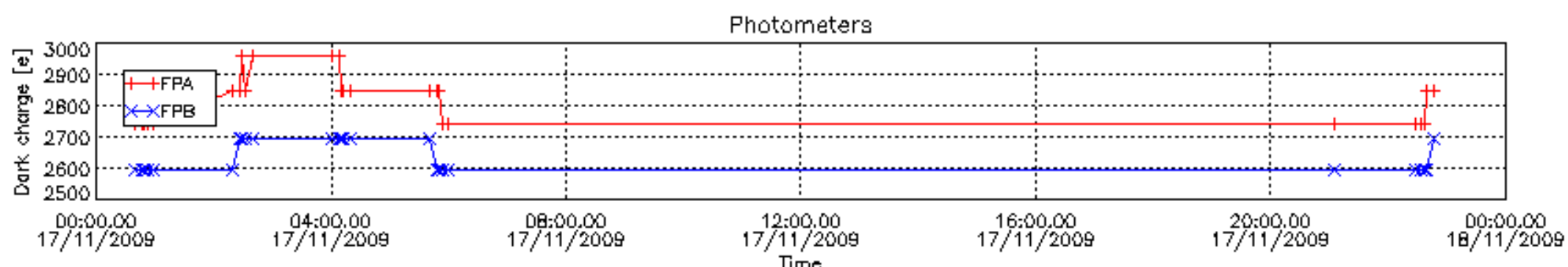
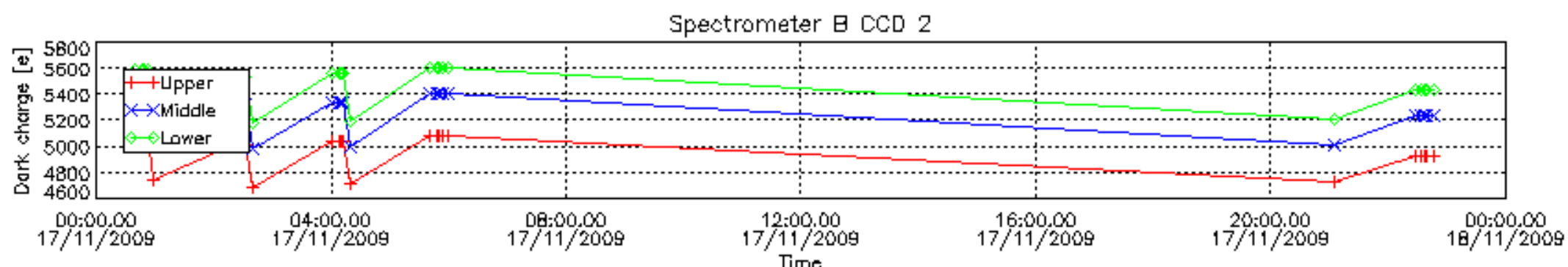
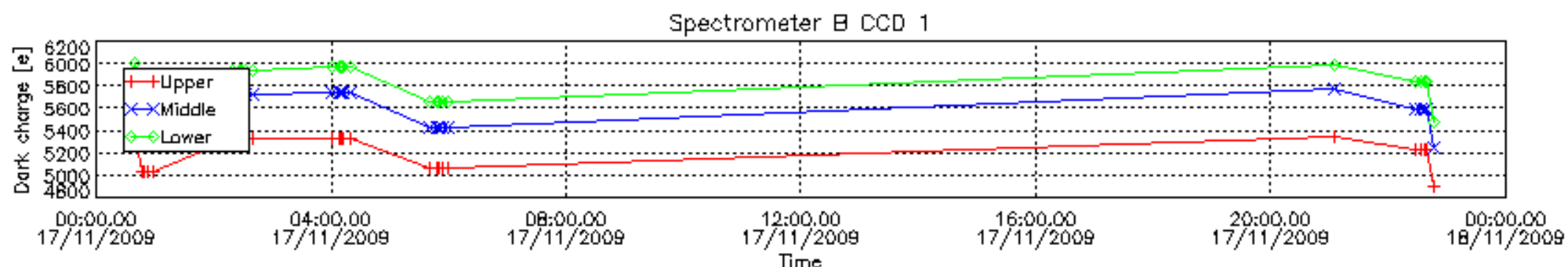
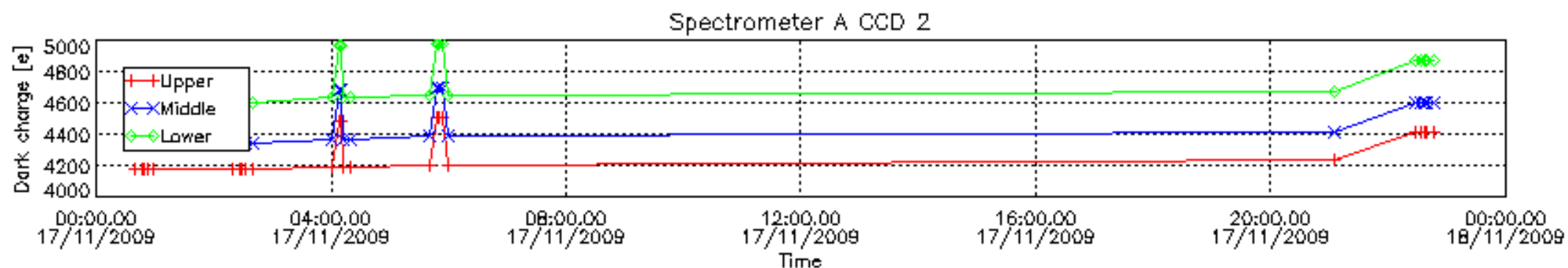
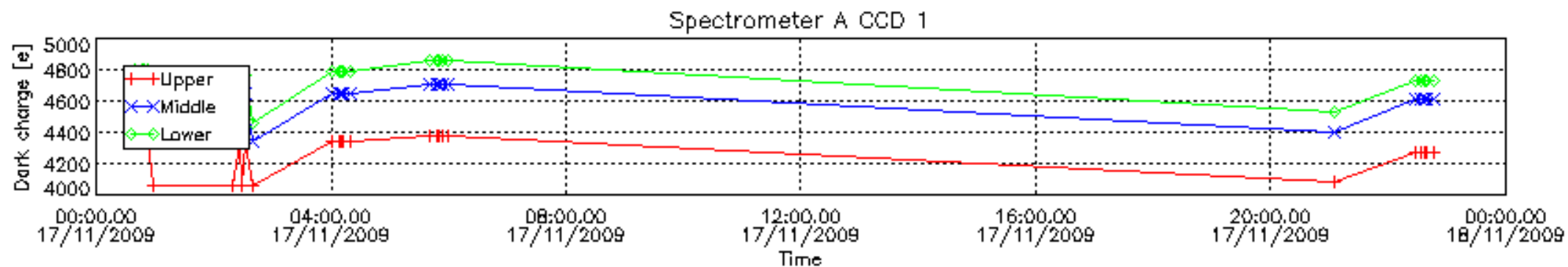
8. Auxiliary Data Files used for the production reported in section 2.4

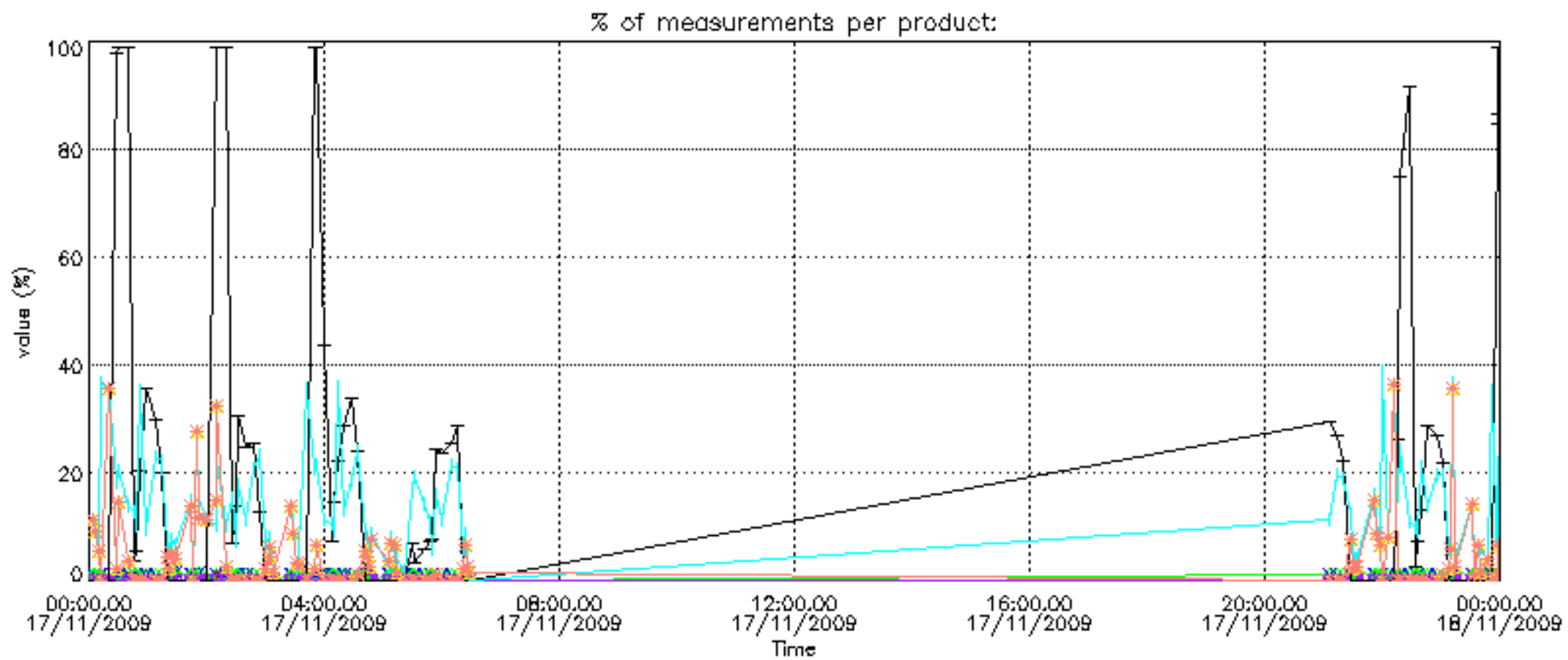
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	17-NOV-2009 00:04:23
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091116_112409_20091114_000000_20100101_000000	1	17-NOV-2009 00:04:23
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	17-NOV-2009 00:04:23
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	17-NOV-2009 00:04:23
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	17-NOV-2009 00:04:23
ECMWF_FILE	AUX_ECF_AXNECM20091116_064111_20091116_210000_20091117_090000	1	17-NOV-2009 00:04:23
ECMWF_FILE	AUX_ECF_AXNECM20091116_184110_20091117_030000_20091117_150000	37	17-NOV-2009 03:25:35
ECMWF_FILE	AUX_ECA_AXNECM20091117_062110_20091116_210000_20091117_090000	55	17-NOV-2009 05:06:10
ECMWF_FILE	AUX_ECF_AXNECM20091117_064111_20091117_210000_20091118_090000	73	17-NOV-2009 21:05:51
OPTIONAL_ECMWF_FILE	MISSING	1	17-NOV-2009 00:04:23
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091116_224249_000057382084_00201_40335_9181.N1	1	17-NOV-2009 00:04:23
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091117_002346_000057382084_00202_40336_9182.N1	6	17-NOV-2009 00:28:40
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091117_015925_000044632084_00203_40337_9183.N1	24	17-NOV-2009 02:09:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091117_031906_000057382084_00204_40338_9184.N1	37	17-NOV-2009 03:25:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091117_050003_000057382084_00205_40339_9185.N1	55	17-NOV-2009 05:06:10
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091117_205626_000041442084_00215_40349_9186.N1	73	17-NOV-2009 21:05:51
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091117_221049_000060572084_00215_40349_9187.N1	86	17-NOV-2009 22:16:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091117_235146_000057382084_00216_40350_9188.N1	106	17-NOV-2009 23:57:10

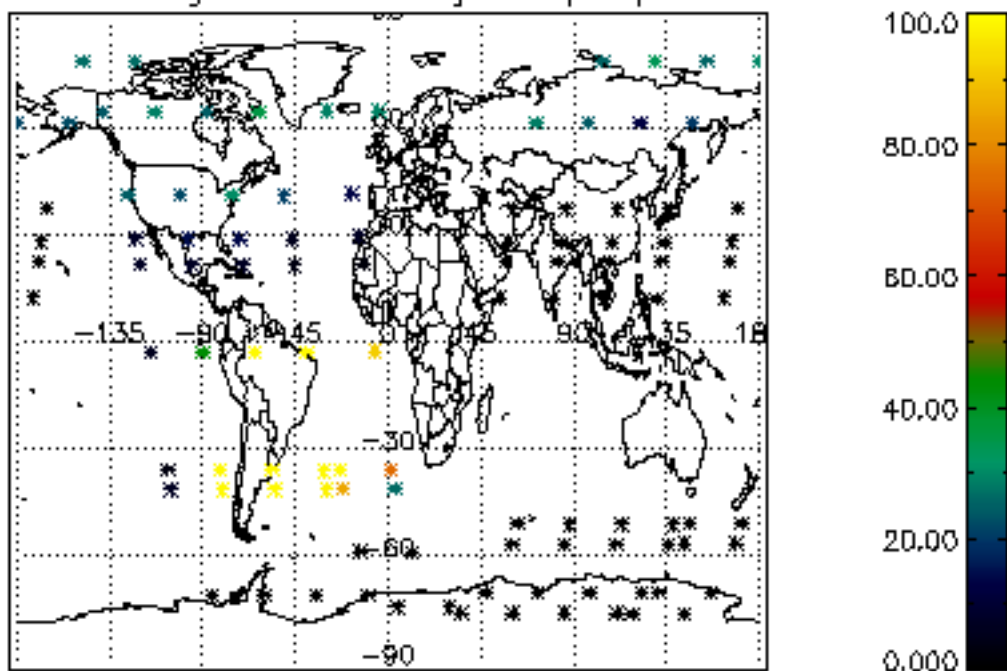




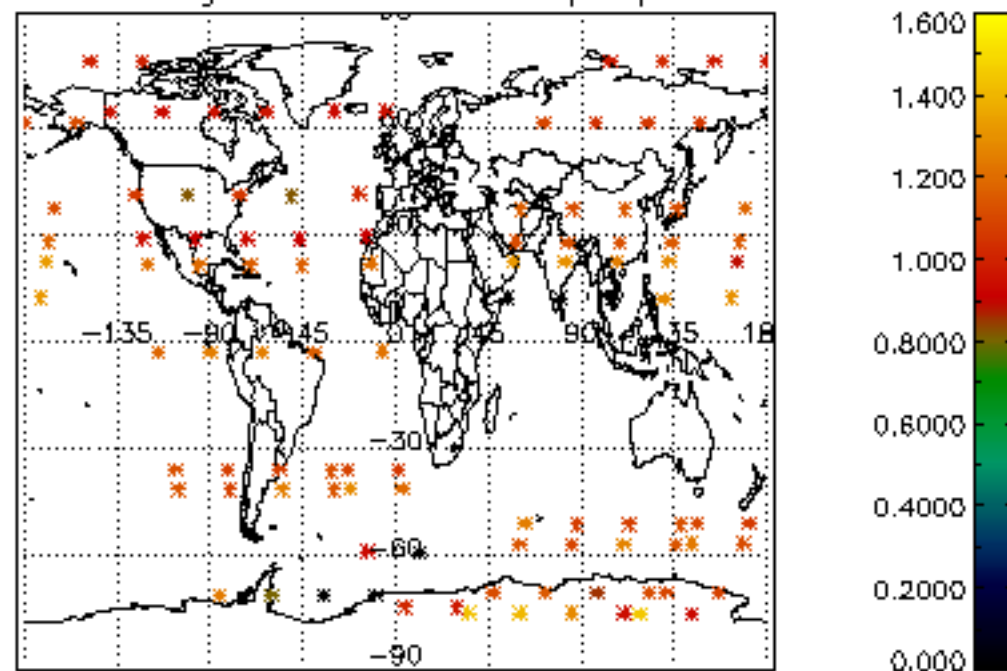




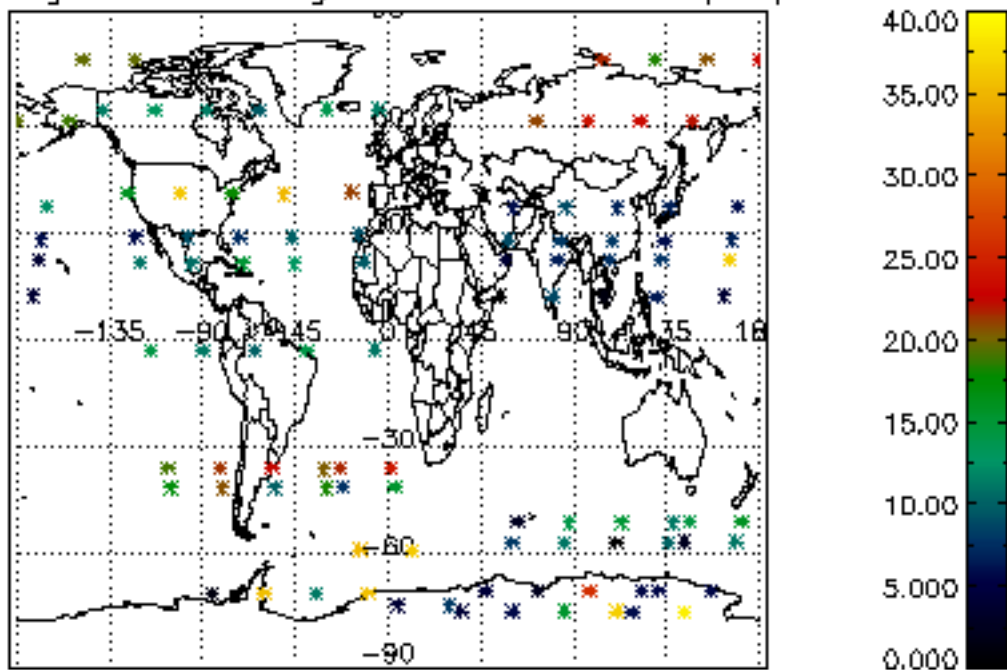
Percentage of cosmic ray hits per profile



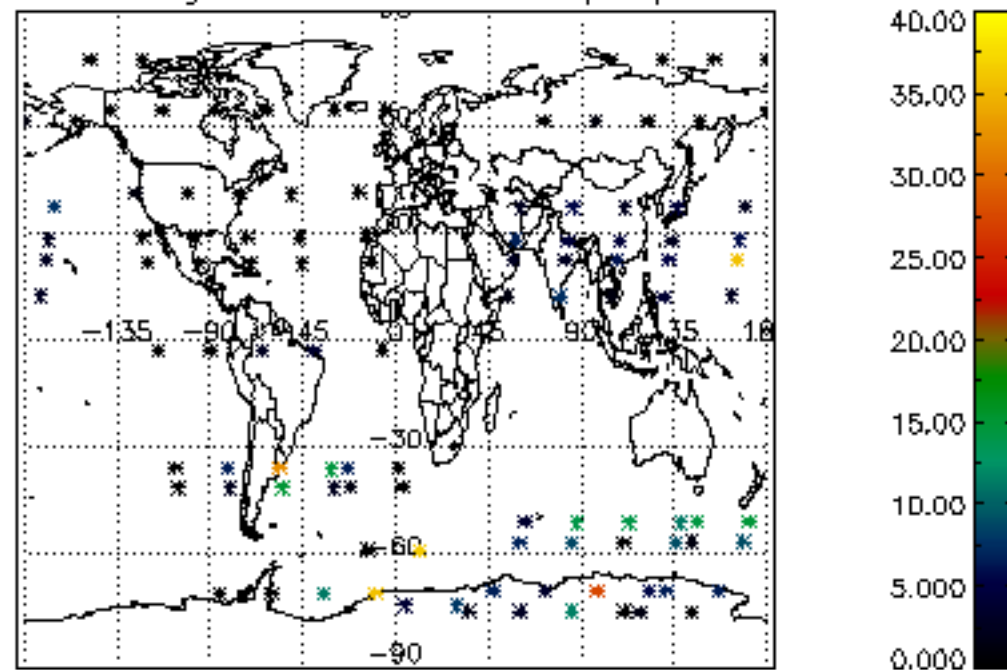
Percentage of datation errors per profile



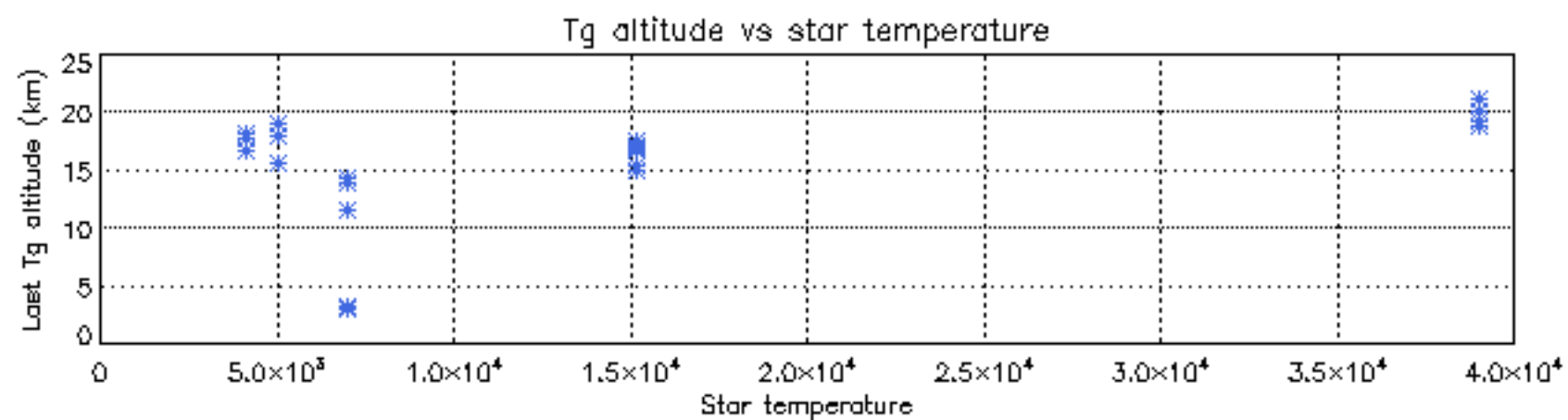
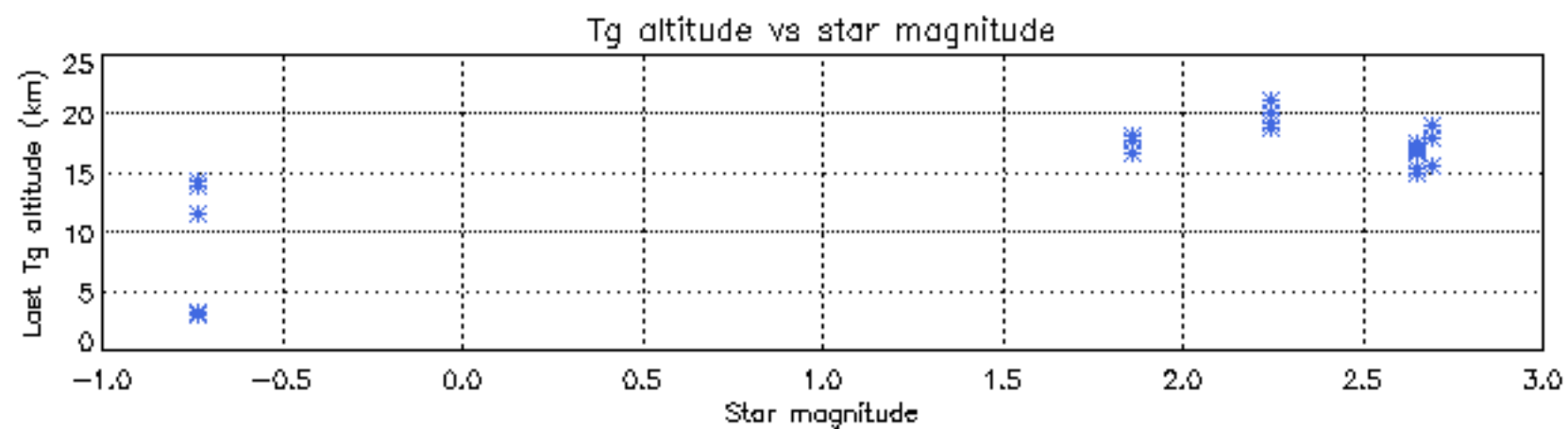
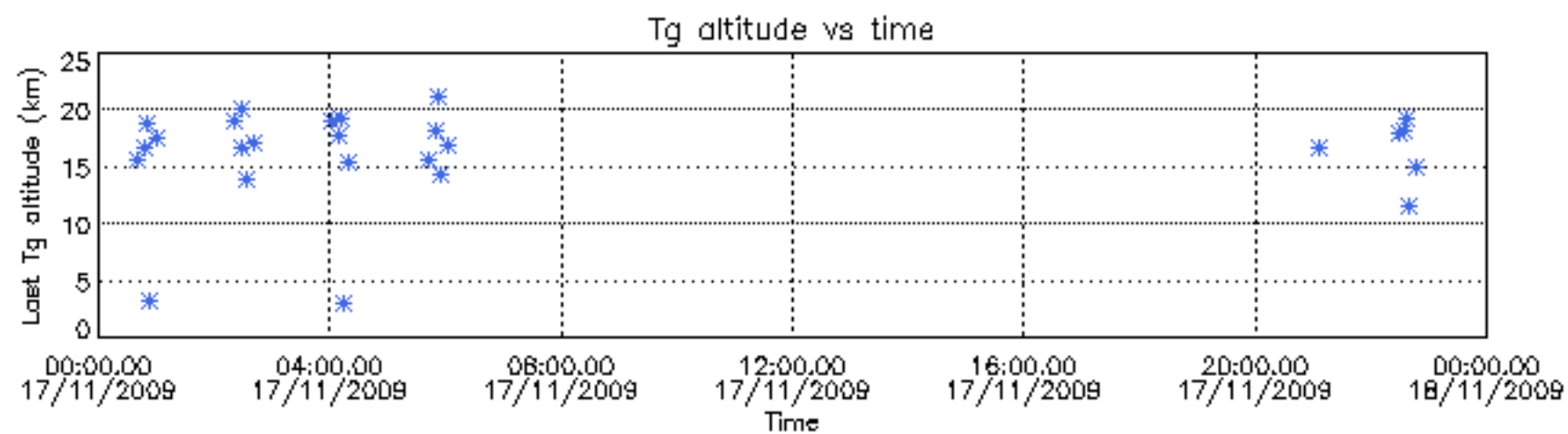
Percentage of star falling outside central band per profile



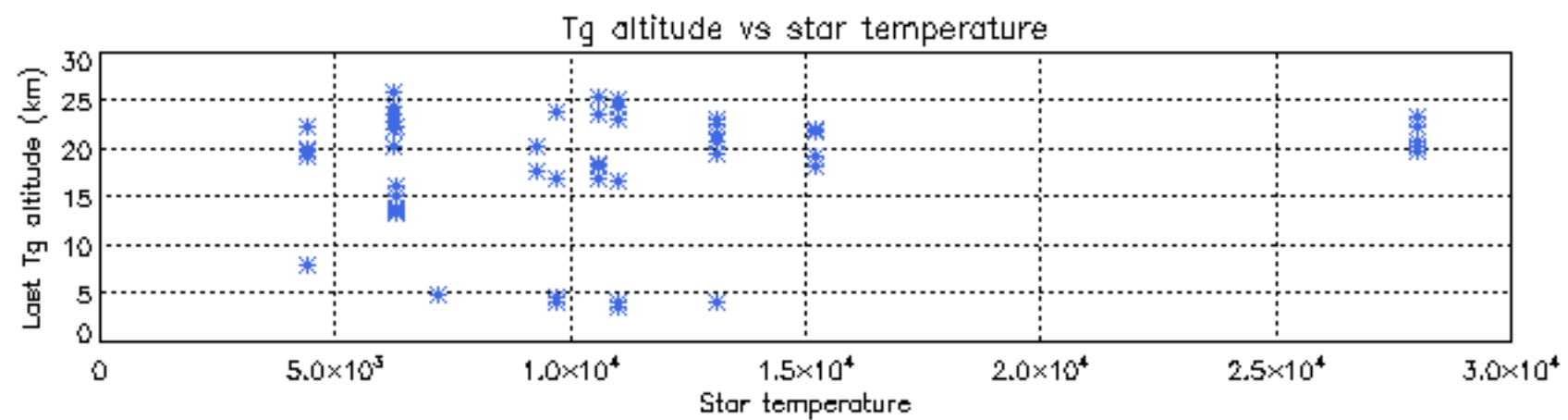
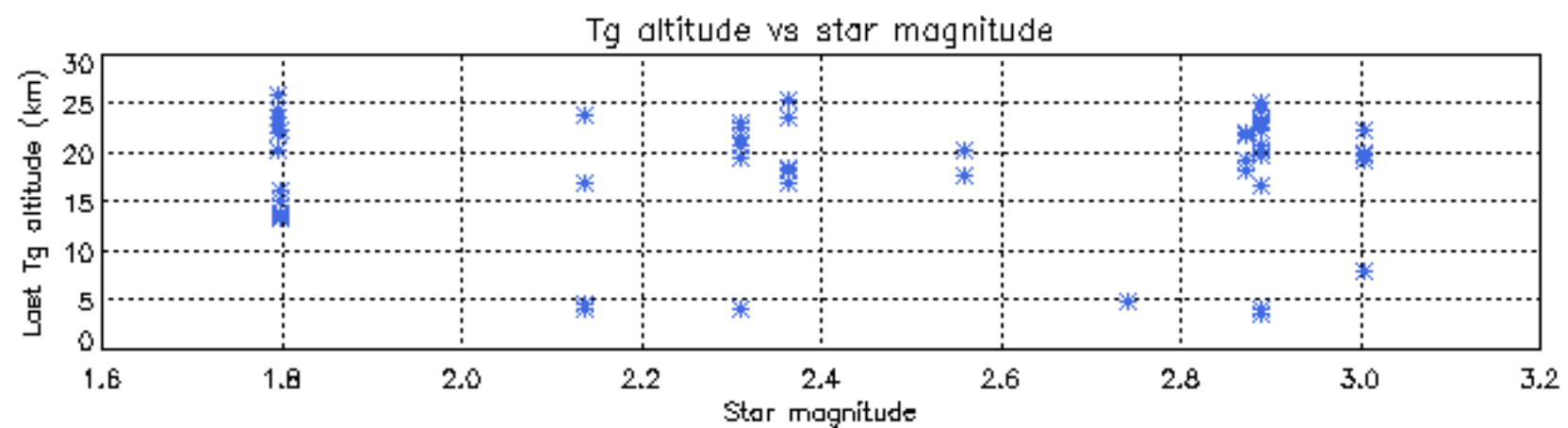
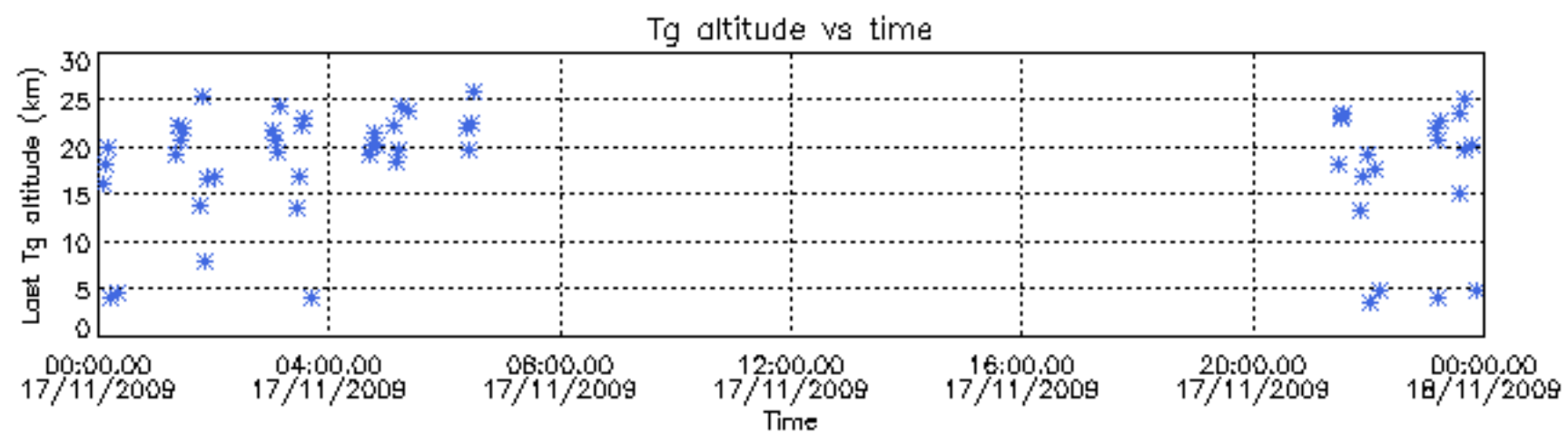
Percentage of saturation errors per profile



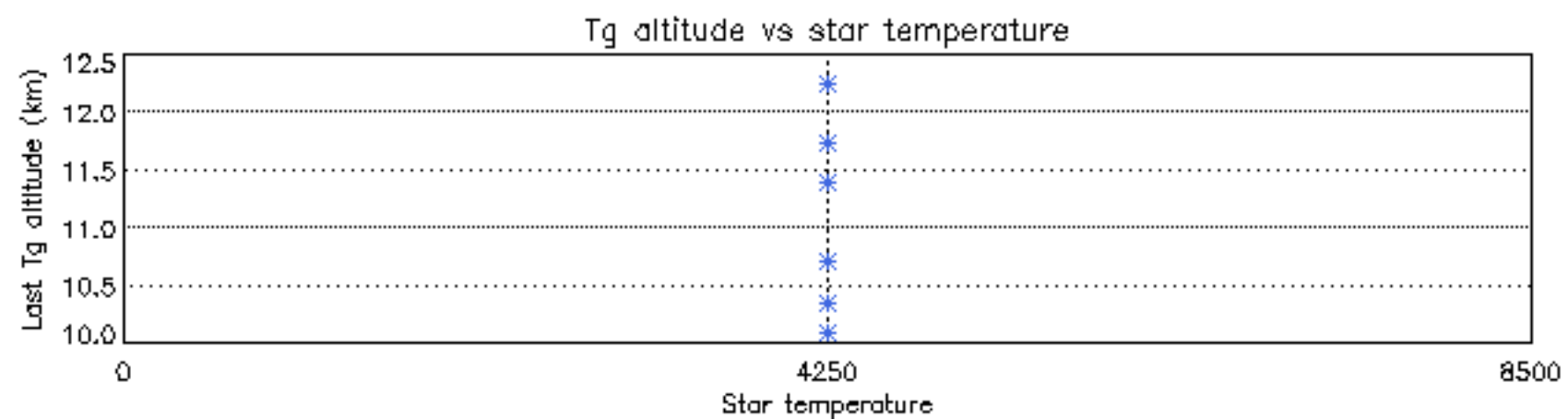
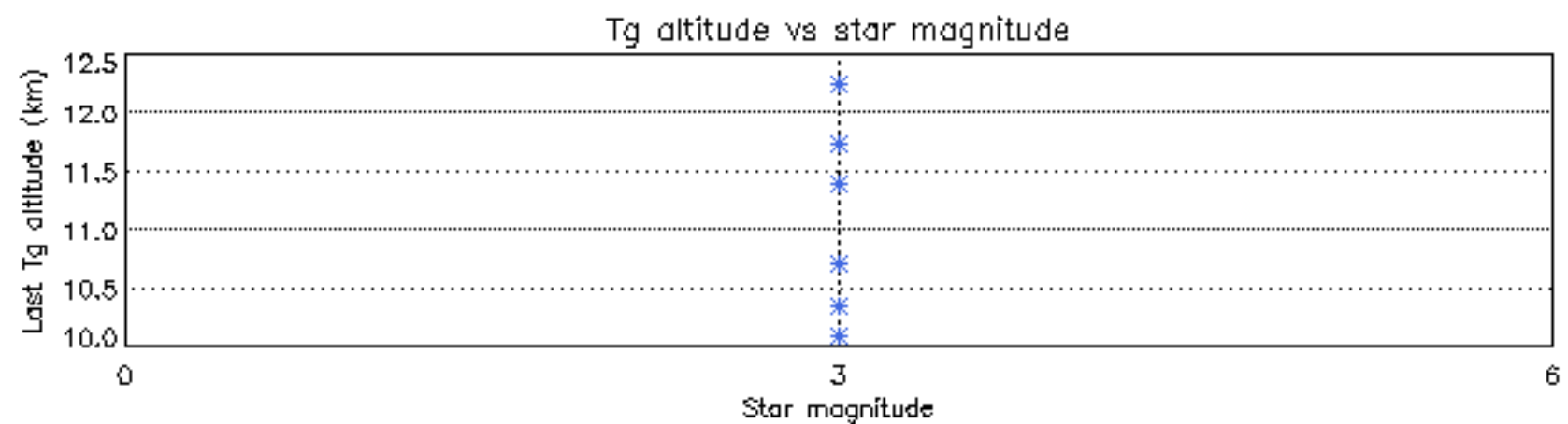
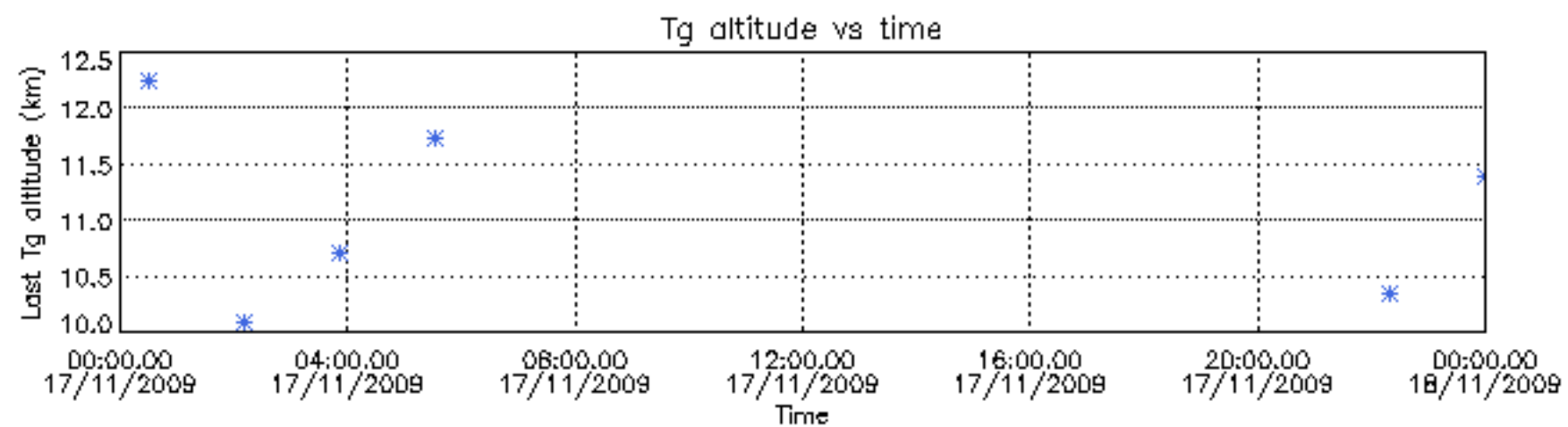
Tangent altitude at which the star is lost

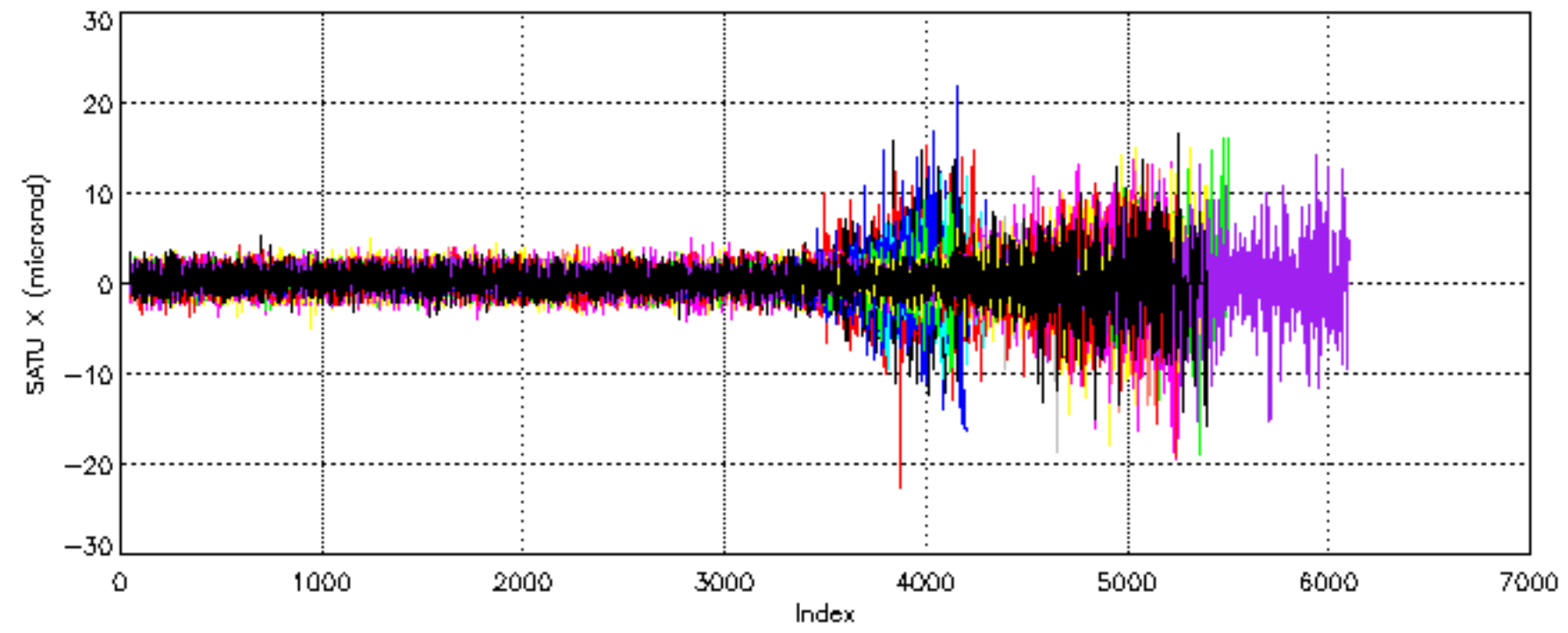


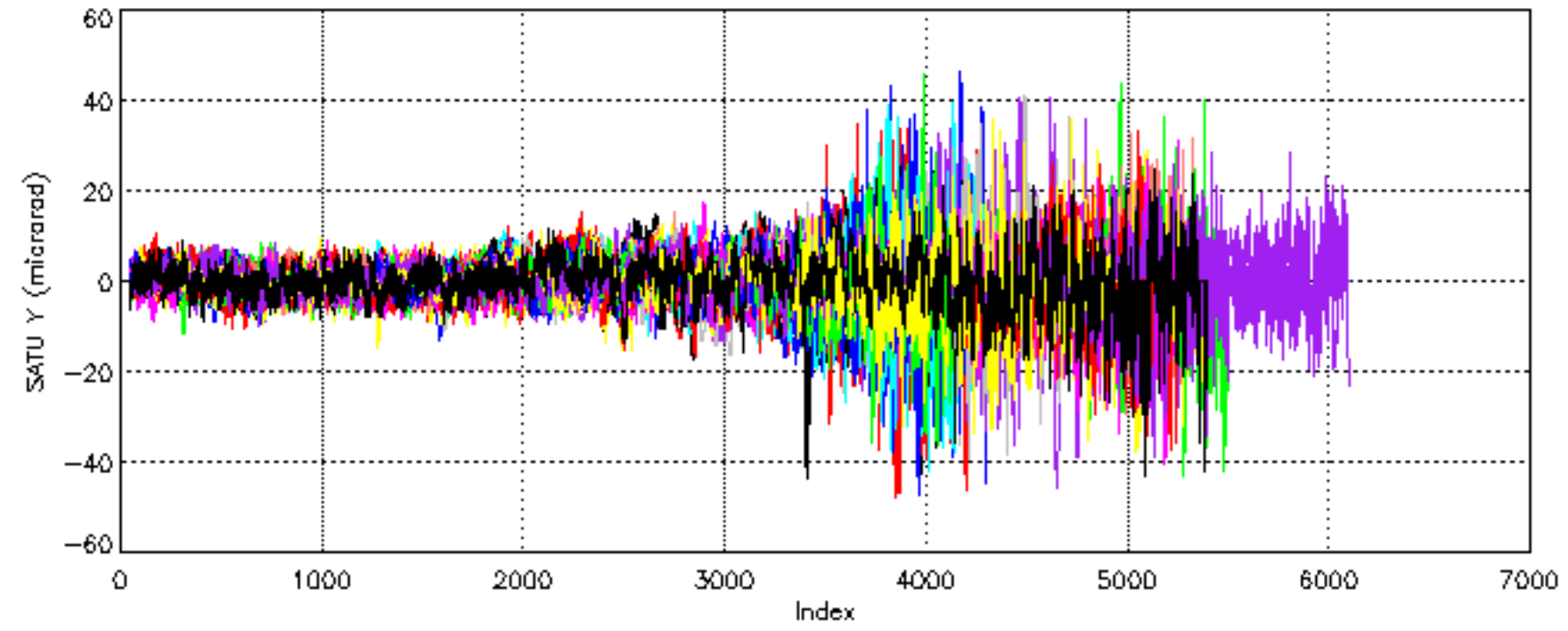
Tangent altitude at which the star is lost

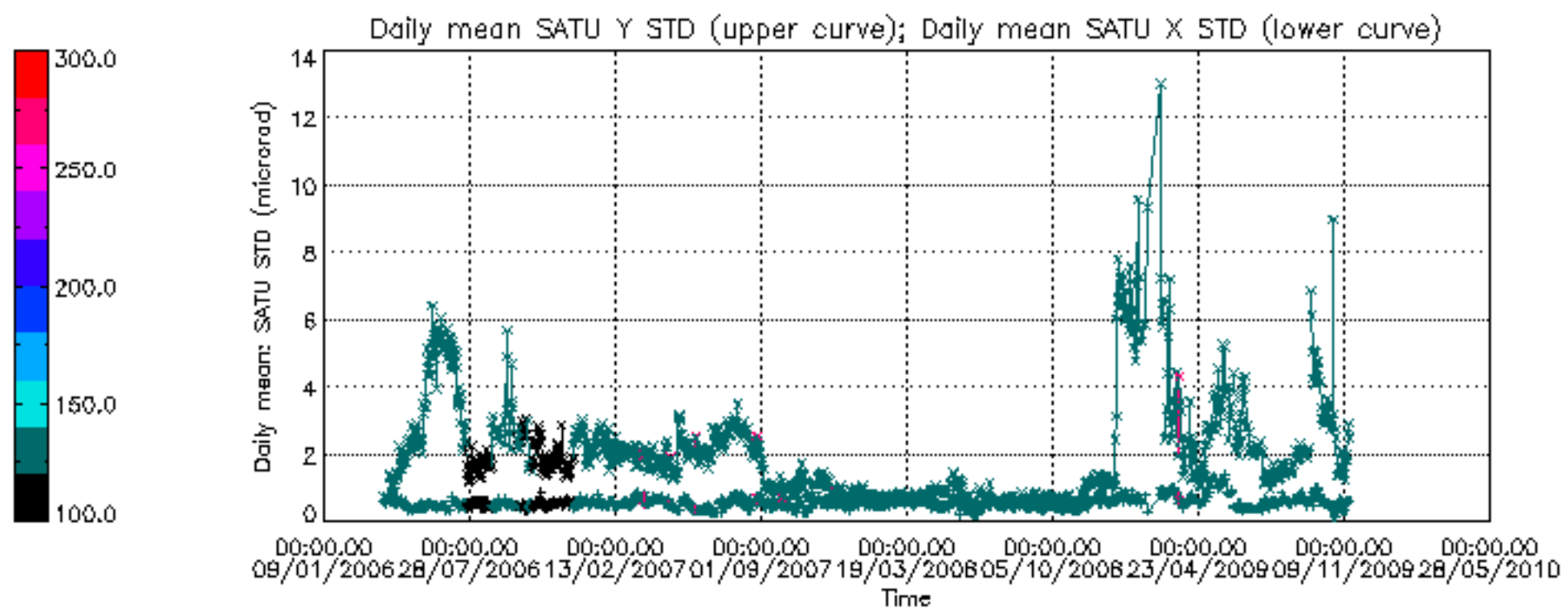


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__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
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 13; 2273.1; 01-NOV-2009 04:42:20; Bright; 40.0; 105; 6Bet Ari ; 2.64; 8900;occ; 80; 0;40110
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6; 2928.5; 01-NOV-2009 21:39:14; Bright; 41.5; 160; 23Gam Per ; 2.93; 4700;occ; 83; 0;40120
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 9; 4004.4; 04-NOV-2009 10:18:44; Bright; 37.0; 82; 48Bet UMA ; 2.37; 10600;occ; 74; 0;40156
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12; 4769.2; 04-NOV-2009 10:31:28; Bright; 45.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 109; 0;40156
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17; 6429.9; 04-NOV-2009 10:59:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40156
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 4; 2525.8; 04-NOV-2009 11:34:41; Bright; 37.5; 173; 4Bet Tri ; 3.00; 8900;occ; 75; 0;40157
 5; 2648.4; 04-NOV-2009 11:36:43; Bright; 55.0; 73; 57Gam1And ; 2.26; 13100;occ; 110; 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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 6; 2828.3; 04-NOV-2009 13:20:19; Bright; 50.5; 149; 45Eps Per ; 2.89; 30000;occ; 101; 0;40158
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 11; 4686.8; 04-NOV-2009 13:51:18; Bright; 38.5; 96; 68Del Leo ; 2.56; 9300;occ; 77; 0;40158
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 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
 16; 6297.2; 04-NOV-2009 14:18:08; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;40158
 17; 6431.8; 04-NOV-2009 14:20:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40158
 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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 6; 2827.4; 04-NOV-2009 15:00:54; Bright; 51.0; 149; 45Eps Per ; 2.89; 30000;occ; 102; 0;40159
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 14; 6062.8; 04-NOV-2009 15:54:50; Dark ; 54.0; 65; Lam Vel ; 2.20; 4400;occ; 108; 0;40159
 15; 6207.4; 04-NOV-2009 15:57:14; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;40159
 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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 6; 2826.4; 04-NOV-2009 16:41:29; Bright; 49.5; 149; 45Eps Per ; 2.89; 30000;occ; 99; 0;40160
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 12; 4974.2; 04-NOV-2009 17:17:17; Dark ; 75.5; 22; 32Alp Leo ; 1.36; 15200;occ; 151; 0;40160
 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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3; 2266.5; 04-NOV-2009 18:12:45; Bright; 37.5; 105; 6Bet Ari ; 2.64; 8900;occ; 75; 0;40161
4; 2524.7; 04-NOV-2009 18:17:03; Bright; 38.0; 173; 4Bet Tri ; 3.00; 8900;occ; 76; 0;40161
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5; 2524.4; 04-NOV-2009 19:57:39; Bright; 38.5; 173; 4Bet Tri ; 3.00; 8900;occ; 77; 0;40162
6; 2647.4; 04-NOV-2009 19:59:42; Bright; 39.5; 73; 57Gam1And ; 2.26; 13100;occ; 79; 0;40162
7; 2824.6; 04-NOV-2009 20:02:39; Bright; 64.0; 149; 45Eps Per ; 2.89; 30000;occ; 128; 0;40162
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13; 4975.4; 04-NOV-2009 20:38:30; Dark ; 64.0; 22; 32Alp Leo ; 1.36; 15200;occ; 128; 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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14; 4003.3; 05-NOV-2009 01:24:06; Bright; 41.0; 82; 48Bet UMa ; 2.37; 10600;occ; 82; 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
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 13; 6217.4; 05-NOV-2009 15:25:47; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;40173
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 6; 2813.9; 05-NOV-2009 16:09:40; Bright; 49.5; 149; 45Eps Per ; 2.89; 30000;occ; 99; 0;40174
 7; 3905.1; 05-NOV-2009 16:27:51; Bright; 40.0; 36; 50Alp UMa ; 1.80; 6300;occ; 80; 0;40174
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 9; 4229.9; 05-NOV-2009 16:33:16; Bright; 38.0; 174; 52Psi UMa ; 3.00; 4400;occ; 76; 0;40174
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12;	2500.5;	23-NOV-2009	23:21:18;	Bright;	;	40.5;	150;	44Zet Per	;	2.89;	28000;occ;	81;	0;	40436
13;	2615.8;	23-NOV-2009	23:23:13;	Bright;	;	38.0;	79;	26Bet Per	;	2.31;	13100;occ;	76;	0;	40436
14;	2763.4;	23-NOV-2009	23:25:41;	Bright;	;	38.0;	175;	39Del Per	;	3.01;	19400;occ;	76;	0;	40436
15;	3853.1;	23-NOV-2009	23:43:51;	Bright;	;	42.0;	36;	50Alp UMA	;	1.80;	6300;occ;	84;	0;	40436
16;	3950.8;	23-NOV-2009	23:45:28;	Bright;	;	45.5;	82;	48Bet UMA	;	2.37;	10600;occ;	91;	0;	40436
17;	4043.7;	23-NOV-2009	23:47:01;	Bright;	;	44.0;	87;	64Gam UMA	;	2.43;	11000;occ;	88;	0;	40436
18;	4208.0;	23-NOV-2009	23:49:46;	Bright;	;	51.5;	174;	52Psi UMA	;	3.00;	4400;occ;	103;	0;	40436
19;	4340.7;	23-NOV-2009	23:51:58;	Bright;	;	20.5;	152;	12Alp2CVn	;	2.89;	11000;occ;	41;	0;	40436
20;	4862.3;	24-NOV-2009	00:00:40;	Bright;	;	26.5;	62;	94Bet Leo	;	2.14;	9700;occ;	53;	0;	40436
21;	5068.6;	24-NOV-2009	00:04:06;	Bright;	;	56.5;	121;	29Gam Vir	;	2.74;	7200;occ;	113;	0;	40436

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2;	1973.4;	23-NOV-2009	08:07:08;	Dark	;	46.0;	94;	92Alp Cet	;	2.53;	3100;occ;	92;	0;	40427
3;	2353.7;	23-NOV-2009	08:13:28;	Bright;	;	41.0;	146;	25Eta Tau	;	2.87;	15200;occ;	82;	0;	40427
4;	2504.1;	23-NOV-2009	08:15:59;	Bright;	;	40.5;	150;	44Zet Per	;	2.89;	28000;occ;	81;	0;	40427
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
8;	3953.6;	23-NOV-2009	08:40:08;	Bright;	;	42.5;	82;	48Bet UMA	;	2.37;	10600;occ;	85;	0;	40427
9;	4045.0;	23-NOV-2009	08:41:39;	Bright;	;	45.0;	87;	64Gam UMA	;	2.43;	11000;occ;	90;	0;	40427
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
14;	5383.3;	23-NOV-2009	09:03:58;	Dark	;	45.0;	100;	4Gam Crv	;	2.58;	13100;occ;	90;	0;	40427
15;	5476.7;	23-NOV-2009	09:05:31;	Dark	;	44.5;	171;	2Eps Crv	;	3.00;	4250;occ;	89;	0;	40427
16;	6349.9;	23-NOV-2009	09:20:04;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	40427
17;	6452.7;	23-NOV-2009	09:21:47;	Dark	;	48.0;	41;	Eps Car	;	1.86;	4100;occ;	96;	0;	40427
18;	6541.1;	23-NOV-2009	09:23:16;	Dark	;	14.5;	34;	Gam2Vel	;	1.79;	23000;occ;	29;	0;	40427
19;	6781.8;	23-NOV-2009	09:27:16;	Dark	;	60.0;	2;	Alp Car	;	-0.74;	7000;occ;	120;	0;	40427
20;	7178.2;	23-NOV-2009	09:33:53;	Dark	;	50.0;	108;	Alp Col	;	2.65;	15200;occ;	100;	0;	40427
21;	7684.1;	23-NOV-2009	09:42:19;	Dark	;	48.5;	165;	34Gam Eri	;	2.95;	3200;occ;	97;	0;	40427

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2;	2353.4;	23-NOV-2009	09:54:04;	Bright;	;	59.0;	146;	25Eta Tau	;	2.87;	15200;occ;	118;	0;	40428
3;	2503.5;	23-NOV-2009	09:56:34;	Bright;	;	41.5;	150;	44Zet Per	;	2.89;	28000;occ;	83;	0;	40428
4;	2617.1;	23-NOV-2009	09:58:27;	Bright;	;	39.0;	79;	26Bet Per	;	2.31;	13100;occ;	78;	0;	40428
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
7;	3953.3;	23-NOV-2009	10:20:44;	Bright;	;	40.5;	82;	48Bet UMA	;	2.37;	10600;occ;	81;	0;	40428
8;	4044.9;	23-NOV-2009	10:22:15;	Bright;	;	37.5;	87;	64Gam UMA	;	2.43;	11000;occ;	75;	0;	40428
9;	4209.5;	23-NOV-2009	10:25:00;	Bright;	;	48.0;	174;	52Psi UMA	;	3.00;	4400;occ;	96;	0;	40428
10;	4340.0;	23-NOV-2009	10:27:10;	Bright;	;	36.0;	152;	12Alp2CVn	;	2.89;	11000;occ;	72;	0;	40428
11;	4858.4;	23-NOV-2009	10:35:49;	Bright;	;	49.0;	62;	94Bet Leo	;	2.14;	9700;occ;	98;	0;	40428
12;	5065.1;	23-NOV-2009	10:39:15;	Bright;	;	40.5;	121;	29Gam Vir	;	2.74;	7200;occ;	81;	0;	40428
13;	5384.0;	23-NOV-2009	10:44:34;	Dark	;	44.0;	100;	4Gam Crv	;	2.58;	13100;occ;	88;	0;	40428
14;	5477.4;	23-NOV-2009	10:46:08;	Dark	;	52.0;	171;	2Eps Crv	;	3.00;	4250;occ;	104;	0;	40428
15;	6043.4;	23-NOV-2009	10:55:34;	Dark	;	45.5;	113;	Mu Vel	;	2.69;	5000;occ;	91;	0;	40428
16;	6350.8;	23-NOV-2009	11:00:41;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	40428
17;	6453.4;	23-NOV-2009	11:02:24;	Dark	;	42.5;	41;	Eps Car	;	1.86;	4100;occ;	85;	0;	40428
18;	6541.9;	23-NOV-2009	11:03:52;	Dark	;	48.0;	34;	Gam2Vel	;	1.79;	23000;occ;	96;	0;	40428
19;	6782.6;	23-NOV-2009	11:07:53;	Dark	;	49.5;	2;	Alp Car	;	-0.74;	7000;occ;	99;	0;	40428
20;	7178.8;	23-NOV-2009	11:14:29;	Dark	;	51.5;	108;	Alp Col	;	2.65;	15200;occ;	103;	0;	40428

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2;	1973.6;	23-NOV-2009	11:28:20;	Dark	;	44.5;	94;	92Alp Cet	;	2.53;	3100;occ;	89;	0;	40429


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3; 2353.1; 23-NOV-2009 11:34:39; Bright; 42.5; 146; 25Eta Tau ; 2.87; 15200;occ; 85; 0;40429
4; 2503.2; 23-NOV-2009 11:37:09; Bright; 41.5; 150; 44Zet Per ; 2.89; 28000;occ; 83; 0;40429
5; 2616.9; 23-NOV-2009 11:39:03; Bright; 55.0; 79; 26Bet Per ; 2.31; 13100;occ; 110; 0;40429
6; 2765.9; 23-NOV-2009 11:41:32; Bright; 38.0; 175; 39Del Per ; 3.01; 19400;occ; 76; 0;40429
7; 3854.9; 23-NOV-2009 11:59:41; Bright; 44.5; 36; 50Alp UMa ; 1.80; 6300;occ; 89; 0;40429
8; 3953.0; 23-NOV-2009 12:01:19; Bright; 39.0; 82; 48Bet UMa ; 2.37; 10600;occ; 78; 0;40429
9; 4044.6; 23-NOV-2009 12:02:51; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;40429
10; 4209.4; 23-NOV-2009 12:05:36; Bright; 69.0; 174; 52Psi UMa ; 3.00; 4400;occ; 138; 0;40429
11; 4339.9; 23-NOV-2009 12:07:46; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 0;40429
12; 4858.9; 23-NOV-2009 12:16:25; Bright; 68.0; 62; 94Bet Leo ; 2.14; 9700;occ; 136; 0;40429
13; 5065.6; 23-NOV-2009 12:19:52; Bright; 57.0; 121; 29Gam Vir ; 2.74; 7200;occ; 114; 0;40429
14; 5384.6; 23-NOV-2009 12:25:11; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;40429
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16; 6044.3; 23-NOV-2009 12:36:11; Dark ; 42.5; 113; Mu Vel ; 2.69; 5000;occ; 85; 0;40429
17; 6351.6; 23-NOV-2009 12:41:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40429
18; 6454.2; 23-NOV-2009 12:43:00; Dark ; 42.5; 41; Eps Car ; 1.86; 4100;occ; 85; 0;40429
19; 6543.0; 23-NOV-2009 12:44:29; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40429
20; 6783.2; 23-NOV-2009 12:48:29; Dark ; 60.0; 2; Alp Car ;-0.74; 7000;occ; 120; 0;40429
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2; 1973.3; 23-NOV-2009 13:08:55; Dark ; 45.5; 94; 92Alp Cet ; 2.53; 3100;occ; 91; 0;40430
3; 2352.9; 23-NOV-2009 13:15:15; Bright; 41.5; 146; 25Eta Tau ; 2.87; 15200;occ; 83; 0;40430
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5; 2616.9; 23-NOV-2009 13:19:39; Bright; 40.0; 79; 26Bet Per ; 2.31; 13100;occ; 80; 0;40430
6; 2765.3; 23-NOV-2009 13:22:07; Bright; 38.5; 175; 39Del Per ; 3.01; 19400;occ; 77; 0;40430
7; 3854.8; 23-NOV-2009 13:40:17; Bright; 44.5; 36; 50Alp UMa ; 1.80; 6300;occ; 89; 0;40430
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11; 4340.3; 23-NOV-2009 13:48:22; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 0;40430
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13; 5066.0; 23-NOV-2009 14:00:28; Bright; 57.0; 121; 29Gam Vir ; 2.74; 7200;occ; 114; 0;40430
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18; 6454.7; 23-NOV-2009 14:23:37; Dark ; 41.5; 41; Eps Car ; 1.86; 4100;occ; 83; 0;40430
19; 6544.2; 23-NOV-2009 14:25:06; Dark ; 51.0; 34; Gam2Vel ; 1.79; 23000;occ; 102; 0;40430
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6; 2765.2; 23-NOV-2009 15:02:43; Bright; 36.5; 175; 39Del Per ; 3.01; 19400;occ; 73; 0;40431
7; 3854.7; 23-NOV-2009 15:20:53; Bright; 43.0; 36; 50Alp UMa ; 1.80; 6300;occ; 86; 0;40431
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11; 4340.4; 23-NOV-2009 15:28:58; Bright; 41.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 82; 0;40431
12; 4860.0; 23-NOV-2009 15:37:38; Bright; 48.0; 62; 94Bet Leo ; 2.14; 9700;occ; 96; 0;40431
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9; 4044.5; 23-NOV-2009 17:04:38; Bright; 43.5; 87; 64Gam UMa ; 2.43; 11000;occ; 87; 0;40432
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12; 4860.5; 23-NOV-2009 17:18:14; Bright; 49.5; 62; 94Bet Leo ; 2.14; 9700;occ; 99; 0;40432
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