

GOMOS Daily Report 23-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	27NOV2009 04:48:12
Data source version	GOMOS/5.00L04
Start time of products	23NOV2009 00:15:31
Stop time of products	23NOV2009 23:51:58
Store outputs in DB	Yes
Nb of level 1b prods	132
Nb of prods with errors	1

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

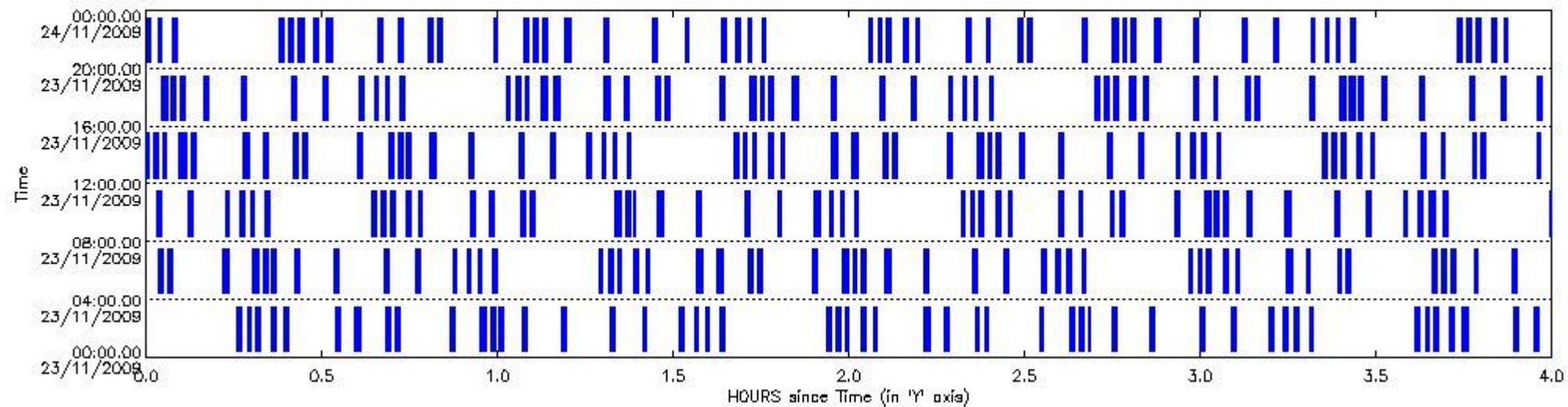
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

No missing products.

2.4 Summary of processed GOM_TRA_1P products

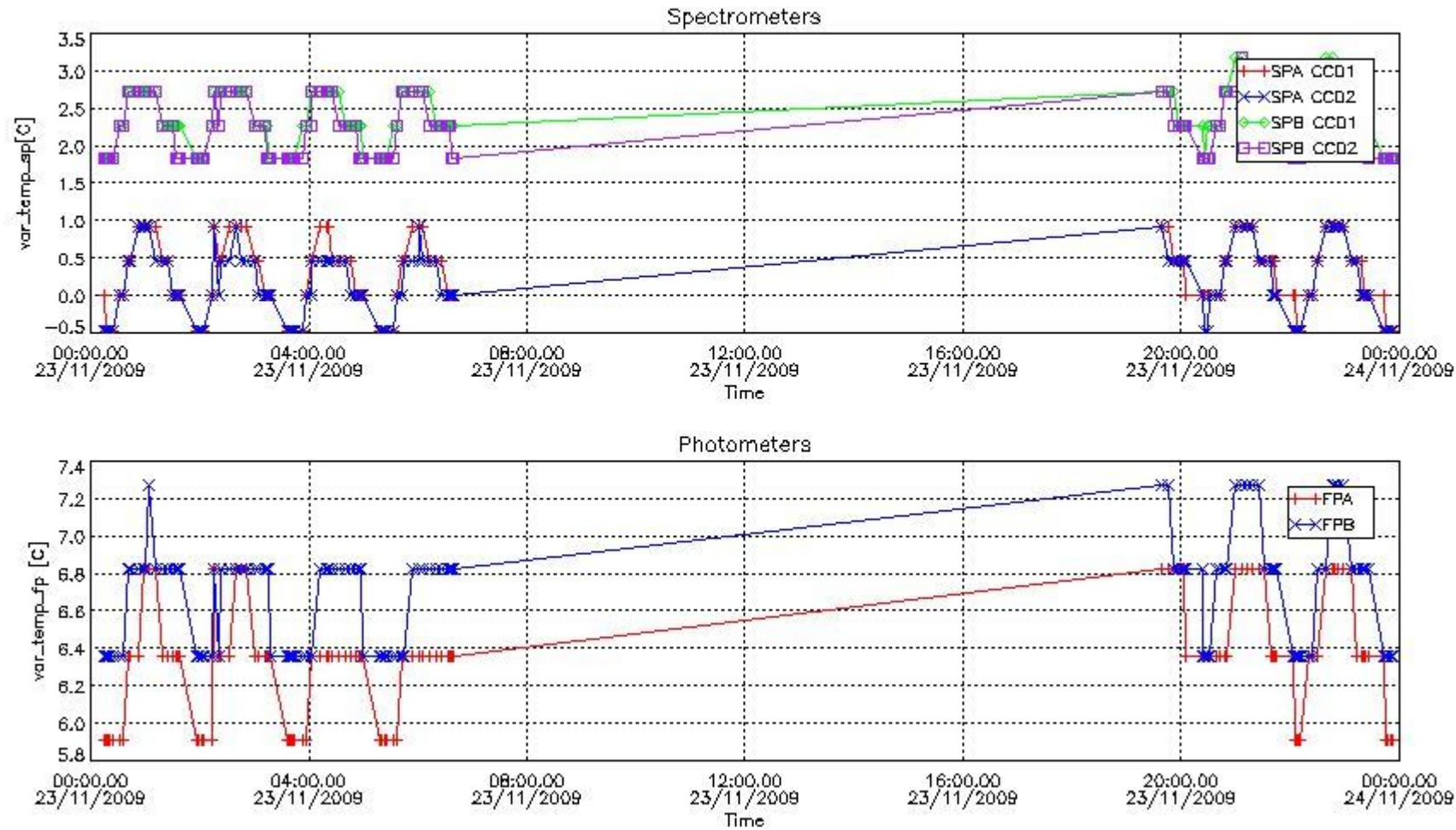
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20091123_001531_000000462084_00288_40422_4243.N1	23-NOV-2009 00:15:31	Bright	46.000	36	50Alp UMa	1.8000	6300.0	92	40422	No
2	GOM_TRA_1PNPDE20091123_001710_000000432084_00288_40422_4244.N1	23-NOV-2009 00:17:10	Bright	43.000	82	48Bet UMa	2.3650	10600.	86	40422	No
3	GOM_TRA_1PNPDE20091123_001840_000000412084_00288_40422_4245.N1	23-NOV-2009 00:18:40	Bright	41.000	87	64Gam UMa	2.4330	11000.	82	40422	No
4	GOM_TRA_1PNPDE20091123_002125_000000482084_00288_40422_4246.N1	23-NOV-2009 00:21:25	Bright	48.000	174	52Psi UMa	3.0040	4400.0	96	40422	No
5	GOM_TRA_1PNPDE20091123_002335_000000372084_00288_40422_4247.N1	23-NOV-2009 00:23:35	Bright	37.000	152	12Alp2CVn	2.8900	11000.	74	40422	No
6	GOM_TRA_1PNPDE20091123_003210_000000572084_00288_40422_4248.N1	23-NOV-2009 00:32:10	Bright	57.000	62	94Bet Leo	2.1360	9700.0	114	40422	No
7	GOM_TRA_1PNPDE20091123_003537_000000562084_00288_40422_4249.N1	23-NOV-2009 00:35:37	Bright	55.500	121	29Gam Vir	2.7400	7200.0	111	40422	No
8	GOM_TRA_1PNPDE20091123_004055_000000432084_00288_40422_4236.N1	23-NOV-2009 00:40:55	Twilight	42.500	100	4Gam Crv	2.5800	13100.	85	40422	No
9	GOM_TRA_1PNPDE20091123_004228_000000472084_00288_40422_4237.N1	23-NOV-2009 00:42:28	Twilight	46.500	171	2Eps Crv	3.0010	4250.0	93	40422	No
10	GOM_TRA_1PNPDE20091123_005154_000000452084_00288_40422_4238.N1	23-NOV-2009 00:51:54	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	40422	No
11	GOM_TRA_1PNPDE20091123_005844_000000492084_00289_40423_4239.N1	23-NOV-2009 00:58:44	Dark	48.500	41	Eps Car	1.8600	4100.0	97	40423	No
12	GOM_TRA_1PNPDE20091123_010011_000000492084_00289_40423_4240.N1	23-NOV-2009 01:00:11	Dark	49.000	34	Gam2Vel	1.7930	23000.	98	40423	No

13	GOM_TRA_1PNPDE20091123_010414_000000492084_00289_40423_4241.N1	23-NOV-2009 01:04:14	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	40423	No
14	GOM_TRA_1PNPDE20091123_011050_000000492084_00289_40423_4242.N1	23-NOV-2009 01:10:50	Dark	49.000	108	Alp Col	2.6520	15200.	98	40423	No
15	GOM_TRA_1PNPDE20091123_011918_000000482084_00289_40423_4243.N1	23-NOV-2009 01:19:18	Straylight	48.000	165	34Gam Eri	2.9500	3200.0	96	40423	No
16	GOM_TRA_1PNPDE20091123_012444_000000452084_00289_40423_4244.N1	23-NOV-2009 01:24:44	Twilight	45.000	94	92Alp Cet	2.5260	3100.0	90	40423	No
17	GOM_TRA_1PNPDE20091123_013106_000000432084_00289_40423_4245.N1	23-NOV-2009 01:31:06	Bright	42.500	146	25Eta Tau	2.8730	15200.	85	40423	No
18	GOM_TRA_1PNPDE20091123_013336_000000432084_00289_40423_4246.N1	23-NOV-2009 01:33:36	Bright	42.500	150	44Zet Per	2.8900	28000.	85	40423	No
19	GOM_TRA_1PNPDE20091123_013529_000000372084_00289_40423_4247.N1	23-NOV-2009 01:35:29	Bright	37.000	79	26Bet Per	2.3100	13100.	74	40423	No
20	GOM_TRA_1PNPDE20091123_013758_000000402084_00289_40423_4248.N1	23-NOV-2009 01:37:58	Bright	40.000	175	39Del Per	3.0100	19400.	80	40423	No
21	GOM_TRA_1PNPDE20091123_015607_000000482084_00289_40423_4249.N1	23-NOV-2009 01:56:07	Bright	47.500	36	50Alp UMa	1.8000	6300.0	95	40423	No
22	GOM_TRA_1PNPDE20091123_015745_000000462084_00289_40423_4250.N1	23-NOV-2009 01:57:45	Bright	46.000	82	48Bet UMa	2.3650	10600.	92	40423	No
23	GOM_TRA_1PNPDE20091123_015916_000000412084_00289_40423_4251.N1	23-NOV-2009 01:59:16	Bright	40.500	87	64Gam UMa	2.4330	11000.	81	40423	No
24	GOM_TRA_1PNPDE20091123_020201_000000492084_00289_40423_4252.N1	23-NOV-2009 02:02:01	Bright	49.000	174	52Psi UMa	3.0040	4400.0	98	40423	No
25	GOM_TRA_1PNPDE20091123_020410_000000362084_00289_40423_4253.N1	23-NOV-2009 02:04:10	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	40423	No
26	GOM_TRA_1PNPDE20091123_021246_000000682084_00289_40423_4254.N1	23-NOV-2009 02:12:46	Bright	68.000	62	94Bet Leo	2.1360	9700.0	136	40423	No
27	GOM_TRA_1PNPDE20091123_021614_000000562084_00289_40423_4244.N1	23-NOV-2009 02:16:14	Bright	56.000	121	29Gam Vir	2.7400	7200.0	112	40423	Yes
28	GOM_TRA_1PNPDE20091123_022132_000000452084_00289_40423_4245.N1	23-NOV-2009 02:21:32	Twilight	44.500	100	4Gam Crv	2.5800	13100.	89	40423	No
29	GOM_TRA_1PNPDE20091123_022305_000000482084_00289_40423_4246.N1	23-NOV-2009 02:23:05	Twilight	47.500	171	2Eps Crv	3.0010	4250.0	95	40423	No
30	GOM_TRA_1PNPDE20091123_023231_000000442084_00289_40423_4247.N1	23-NOV-2009 02:32:31	Dark	43.500	113	Mu Vel	2.6920	5000.0	87	40423	No
31	GOM_TRA_1PNPDE20091123_023921_000000522084_00290_40424_4248.N1	23-NOV-2009 02:39:21	Dark	51.500	41	Eps Car	1.8600	4100.0	103	40424	No
32	GOM_TRA_1PNPDE20091123_024048_000000252084_00290_40424_4249.N1	23-NOV-2009 02:40:48	Dark	24.500	34	Gam2Vel	1.7930	23000.	49	40424	No
33	GOM_TRA_1PNPDE20091123_024450_000000602084_00290_40424_4250.N1	23-NOV-2009 02:44:50	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	40424	No
34	GOM_TRA_1PNPDE20091123_025127_000000482084_00290_40424_4251.N1	23-NOV-2009 02:51:27	Dark	47.500	108	Alp Col	2.6520	15200.	95	40424	No
35	GOM_TRA_1PNPDE20091123_025954_000000482084_00290_40424_4252.N1	23-NOV-2009 02:59:54	Straylight	47.500	165	34Gam Eri	2.9500	3200.0	95	40424	No
36	GOM_TRA_1PNPDE20091123_030520_000000452084_00290_40424_4253.N1	23-NOV-2009 03:05:20	Twilight	44.500	94	92Alp Cet	2.5260	3100.0	89	40424	No
37	GOM_TRA_1PNPDE20091123_031141_000000432084_00290_40424_4254.N1	23-NOV-2009 03:11:41	Bright	43.000	146	25Eta Tau	2.8730	15200.	86	40424	No
38	GOM_TRA_1PNPDE20091123_031412_000000432084_00290_40424_4255.N1	23-NOV-2009 03:14:12	Bright	42.500	150	44Zet Per	2.8900	28000.	85	40424	No
39	GOM_TRA_1PNPDE20091123_031604_000000392084_00290_40424_4256.N1	23-NOV-2009 03:16:04	Bright	38.500	79	26Bet Per	2.3100	13100.	77	40424	No
40	GOM_TRA_1PNPDE20091123_031834_000000362084_00290_40424_4257.N1	23-NOV-2009 03:18:34	Bright	35.500	175	39Del Per	3.0100	19400.	71	40424	No
41	GOM_TRA_1PNPDE20091123_033643_000000452084_00290_40424_4251.N1	23-NOV-2009 03:36:43	Bright	45.000	36	50Alp UMa	1.8000	6300.0	90	40424	No
42	GOM_TRA_1PNPDE20091123_033821_000000452084_00290_40424_4252.N1	23-NOV-2009 03:38:21	Bright	44.500	82	48Bet UMa	2.3650	10600.	89	40424	No
43	GOM_TRA_1PNPDE20091123_033952_000000412084_00290_40424_4253.N1	23-NOV-2009 03:39:52	Bright	41.000	87	64Gam UMa	2.4330	11000.	82	40424	No
44	GOM_TRA_1PNPDE20091123_034237_000000462084_00290_40424_4254.N1	23-NOV-2009 03:42:37	Bright	45.500	174	52Psi UMa	3.0040	4400.0	91	40424	No
45	GOM_TRA_1PNPDE20091123_034446_000000552084_00290_40424_4255.N1	23-NOV-2009 03:44:46	Bright	55.000	152	12Alp2CVn	2.8900	11000.	110	40424	No
46	GOM_TRA_1PNPDE20091123_035323_000000482084_00290_40424_4256.N1	23-NOV-2009 03:53:23	Bright	47.500	62	94Bet Leo	2.1360	9700.0	95	40424	No
47	GOM_TRA_1PNPDE20091123_035650_000000562084_00290_40424_4257.N1	23-NOV-2009 03:56:50	Bright	56.000	121	29Gam Vir	2.7400	7200.0	112	40424	No
48	GOM_TRA_1PNPDE20091123_040208_000000452084_00290_40424_4258.N1	23-NOV-2009 04:02:08	Twilight	44.500	100	4Gam Crv	2.5800	13100.	89	40424	No
49	GOM_TRA_1PNPDE20091123_040341_000000472084_00290_40424_4259.N1	23-NOV-2009 04:03:41	Twilight	46.500	171	2Eps Crv	3.0010	4250.0	93	40424	No
50	GOM_TRA_1PNPDE20091123_041307_000000522084_00290_40424_4260.N1	23-NOV-2009 04:13:07	Dark	52.000	113	Mu Vel	2.6920	5000.0	104	40424	No
51	GOM_TRA_1PNPDE20091123_041957_000000442084_00291_40425_4261.N1	23-NOV-2009 04:19:57	Dark	44.000	41	Eps Car	1.8600	4100.0	88	40425	No
52	GOM_TRA_1PNPDE20091123_042125_000000482084_00291_40425_4262.N1	23-NOV-2009 04:21:25	Dark	48.000	34	Gam2Vel	1.7930	23000.	96	40425	No
53	GOM_TRA_1PNPDE20091123_042527_000000492084_00291_40425_4263.N1	23-NOV-2009 04:25:27	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	40425	No
54	GOM_TRA_1PNPDE20091123_043203_000000492084_00291_40425_4264.N1	23-NOV-2009 04:32:03	Dark	48.500	108	Alp Col	2.6520	15200.	97	40425	No
55	GOM_TRA_1PNPDE20091123_044030_000000482084_00291_40425_4265.N1	23-NOV-2009 04:40:30	Straylight	48.000	165	34Gam Eri	2.9500	3200.0	96	40425	No
56	GOM_TRA_1PNPDE20091123_044556_000000462084_00291_40425_4266.N1	23-NOV-2009 04:45:56	Twilight	45.500	94	92Alp Cet	2.5260	3100.0	91	40425	No
57	GOM_TRA_1PNPDE20091123_045217_000000422084_00291_40425_4267.N1	23-NOV-2009 04:52:17	Bright	41.500	146	25Eta Tau	2.8730	15200.	83	40425	No
58	GOM_TRA_1PNPDE20091123_045447_000000422084_00291_40425_4268.N1	23-NOV-2009 04:54:47	Bright	41.500	150	44Zet Per	2.8900	28000.	83	40425	No
59	GOM_TRA_1PNPDE20091123_045641_000000382084_00291_40425_4269.N1	23-NOV-2009 04:56:41	Bright	37.500	79	26Bet Per	2.3100	13100.	75	40425	No
60	GOM_TRA_1PNPDE20091123_045910_000000372084_00291_40425_4270.N1	23-NOV-2009 04:59:10	Bright	37.000	175	39Del Per	3.0100	19400.	74	40425	No
61	GOM_TRA_1PNPDE20091123_051719_000000402084_00291_40425_4257.N1	23-NOV-2009 05:17:19	Bright	39.500	36	50Alp UMa	1.8000	6300.0	79	40425	No
62	GOM_TRA_1PNPDE20091123_051857_000000482084_00291_40425_4258.N1	23-NOV-2009 05:18:57	Bright	47.500	82	48Bet UMa	2.3650	10600.	95	40425	No
63	GOM_TRA_1PNPDE20091123_052028_000000402084_00291_40425_4259.N1	23-NOV-2009 05:20:28	Bright	40.000	87	64Gam UMa	2.4330	11000.	80	40425	No
64	GOM_TRA_1PNPDE20091123_052313_000000502084_00291_40425_4260.N1	23-NOV-2009 05:23:13	Bright	50.000	174	52Psi UMa	3.0040	4400.0	100	40425	No
65	GOM_TRA_1PNPDE20091123_052522_000000352084_00291_40425_4261.N1	23-NOV-2009 05:25:22	Bright	34.500	152	12Alp2CVn	2.8900	11000.	69	40425	No
66	GOM_TRA_1PNPDE20091123_053359_000000682084_00291_40425_4262.N1	23-NOV-2009 05:33:59	Bright	68.000	62	94Bet Leo	2.1360	9700.0	136	40425	No
67	GOM_TRA_1PNPDE20091123_053726_000000562084_00291_40425_4263.N1	23-NOV-2009 05:37:26	Bright	56.000	121	29Gam Vir	2.7400	7200.0	112	40425	No
68	GOM_TRA_1PNPDE20091123_054244_000000472084_00291_40425_4264.N1	23-NOV-2009 05:42:44	Twilight	46.500	100	4Gam Crv	2.5800	13100.	93	40425	No
69	GOM_TRA_1PNPDE20091123_054418_000000472084_00291_40425_4265.N1	23-NOV-2009 05:44:18	Twilight	47.000	171	2Eps Crv	3.0010	4250.0	94	40425	No
70	GOM_TRA_1PNPDE20091123_055344_000000532084_00292_40426_4266.N1	23-NOV-2009 05:53:44	Dark	53.000	113	Mu Vel	2.6920	5000.0	106	40426	No
71	GOM_TRA_1PNPDE20091123_060034_000000452084_00292_40426_4267.N1	23-NOV-2009 06:00:34	Dark	45.000	41	Eps Car	1.8600	4100.0	90	40426	No

72	GOM_TRA_1PNPDE20091123_060202_000000502084_00292_40426_4268.N1	23-NOV-2009 06:02:02	Dark	50.000	34	Gam2Vel	1.7930	23000.	100	40426	No
73	GOM_TRA_1PNPDE20091123_060604_000000602084_00292_40426_4269.N1	23-NOV-2009 06:06:04	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	40426	No
74	GOM_TRA_1PNPDE20091123_061240_000000482084_00292_40426_4270.N1	23-NOV-2009 06:12:40	Dark	47.500	108	Alp Col	2.6520	15200.	95	40426	No
75	GOM_TRA_1PNPDE20091123_062106_000000472084_00292_40426_4271.N1	23-NOV-2009 06:21:06	Straylight	46.500	165	34Gam Eri	2.9500	3200.0	93	40426	No
76	GOM_TRA_1PNPDE20091123_062632_000000452084_00292_40426_4272.N1	23-NOV-2009 06:26:32	Twilight	45.000	94	92Alp Cet	2.5260	3100.0	90	40426	No
77	GOM_TRA_1PNPDE20091123_063253_000000422084_00292_40426_4273.N1	23-NOV-2009 06:32:53	Bright	41.500	146	25Eta Tau	2.8730	15200.	83	40426	No
78	GOM_TRA_1PNPDE20091123_063523_000000422084_00292_40426_4274.N1	23-NOV-2009 06:35:23	Bright	41.500	150	44Zet Per	2.8900	28000.	83	40426	No
79	GOM_TRA_1PNPDE20091123_063716_000000392084_00292_40426_4275.N1	23-NOV-2009 06:37:16	Bright	39.000	79	26Bet Per	2.3100	13100.	78	40426	No
80	GOM_TRA_1PNPDE20091123_063946_000000392084_00292_40426_4276.N1	23-NOV-2009 06:39:46	Bright	38.500	175	39Del Per	3.0100	19400.	77	40426	No
81	GOM_TRA_1PNPDE20091123_193731_000000502084_00300_40434_4302.N1	23-NOV-2009 19:37:31	Dark	50.000	108	Alp Col	2.6520	15200.	100	40434	No
82	GOM_TRA_1PNPDE20091123_194555_000000462084_00300_40434_4303.N1	23-NOV-2009 19:45:55	Straylight	46.000	165	34Gam Eri	2.9500	3200.0	92	40434	No
83	GOM_TRA_1PNPDE20091123_195120_000000462084_00300_40434_4304.N1	23-NOV-2009 19:51:20	Twilight	46.000	94	92Alp Cet	2.5260	3100.0	92	40434	No
84	GOM_TRA_1PNPDE20091123_195738_000000412084_00300_40434_4305.N1	23-NOV-2009 19:57:38	Bright	40.500	146	25Eta Tau	2.8730	15200.	81	40434	No
85	GOM_TRA_1PNPDE20091123_200007_000000422084_00300_40434_4306.N1	23-NOV-2009 20:00:07	Bright	41.500	150	44Zet Per	2.8900	28000.	83	40434	No
86	GOM_TRA_1PNPDE20091123_200202_000000382084_00300_40434_4307.N1	23-NOV-2009 20:02:02	Bright	37.500	79	26Bet Per	2.3100	13100.	75	40434	No
87	GOM_TRA_1PNPDE20091123_200430_000000392084_00300_40434_4308.N1	23-NOV-2009 20:04:30	Bright	38.500	175	39Del Per	3.0100	19400.	77	40434	No
88	GOM_TRA_1PNPDE20091123_202239_000000492084_00300_40434_4309.N1	23-NOV-2009 20:22:39	Bright	49.000	36	50Alp UMa	1.8000	6300.0	98	40434	No
89	GOM_TRA_1PNPDE20091123_202418_000000422084_00300_40434_4310.N1	23-NOV-2009 20:24:18	Bright	41.500	82	48Bet UMa	2.3650	10600.	83	40434	No
90	GOM_TRA_1PNPDE20091123_202550_000000602084_00300_40434_4311.N1	23-NOV-2009 20:25:50	Bright	60.000	87	64Gam UMa	2.4330	11000.	120	40434	No
91	GOM_TRA_1PNPDE20091123_202834_000000502084_00300_40434_4312.N1	23-NOV-2009 20:28:34	Bright	49.500	174	52Psi UMa	3.0040	4400.0	99	40434	No
92	GOM_TRA_1PNPDE20091123_203046_000000552084_00300_40434_4313.N1	23-NOV-2009 20:30:46	Bright	55.000	152	12Alp2CVn	2.8900	11000.	110	40434	No
93	GOM_TRA_1PNPDE20091123_203927_000000512084_00300_40434_4314.N1	23-NOV-2009 20:39:27	Bright	51.000	62	94Bet Leo	2.1360	9700.0	102	40434	No
94	GOM_TRA_1PNPDE20091123_204254_000000572084_00300_40434_4315.N1	23-NOV-2009 20:42:54	Bright	56.500	121	29Gam Vir	2.7400	7200.0	113	40434	No
95	GOM_TRA_1PNPDE20091123_204814_000000412084_00300_40434_4348.N1	23-NOV-2009 20:48:14	Twilight	40.500	100	4Gam Crv	2.5800	13100.	81	40434	No
96	GOM_TRA_1PNPDE20091123_204947_000000492084_00300_40434_4349.N1	23-NOV-2009 20:49:47	Twilight	48.500	171	2Eps Crv	3.0010	4250.0	97	40434	No
97	GOM_TRA_1PNPDE20091123_205914_000000472084_00301_40435_4350.N1	23-NOV-2009 20:59:14	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	40435	No
98	GOM_TRA_1PNPDE20091123_210603_000000432084_00301_40435_4351.N1	23-NOV-2009 21:06:03	Dark	43.000	41	Eps Car	1.8600	4100.0	86	40435	No
99	GOM_TRA_1PNPDE20091123_210734_000000602084_00301_40435_4352.N1	23-NOV-2009 21:07:34	Dark	59.500	34	Gam2Vel	1.7930	23000.	119	40435	No
100	GOM_TRA_1PNPDE20091123_211132_000000552084_00301_40435_4353.N1	23-NOV-2009 21:11:32	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	40435	No
101	GOM_TRA_1PNPDE20091123_211808_000000492084_00301_40435_4354.N1	23-NOV-2009 21:18:08	Dark	49.000	108	Alp Col	2.6520	15200.	98	40435	No
102	GOM_TRA_1PNPDE20091123_212631_000000482084_00301_40435_4355.N1	23-NOV-2009 21:26:31	Straylight	47.500	165	34Gam Eri	2.9500	3200.0	95	40435	No
103	GOM_TRA_1PNPDE20091123_213155_000000462084_00301_40435_4356.N1	23-NOV-2009 21:31:55	Twilight	45.500	94	92Alp Cet	2.5260	3100.0	91	40435	No
104	GOM_TRA_1PNPDE20091123_213813_000000422084_00301_40435_4357.N1	23-NOV-2009 21:38:13	Bright	42.000	146	25Eta Tau	2.8730	15200.	84	40435	No
105	GOM_TRA_1PNPDE20091123_214043_000000402084_00301_40435_4358.N1	23-NOV-2009 21:40:43	Bright	40.000	150	44Zet Per	2.8900	28000.	80	40435	No
106	GOM_TRA_1PNPDE20091123_214238_000000412084_00301_40435_4359.N1	23-NOV-2009 21:42:38	Bright	41.000	79	26Bet Per	2.3100	13100.	82	40435	No
107	GOM_TRA_1PNPDE20091123_214506_000000382084_00301_40435_4360.N1	23-NOV-2009 21:45:06	Bright	38.000	175	39Del Per	3.0100	19400.	76	40435	No
108	GOM_TRA_1PNPDE20091123_220315_000000452084_00301_40435_4361.N1	23-NOV-2009 22:03:15	Bright	45.000	36	50Alp UMa	1.8000	6300.0	90	40435	No
109	GOM_TRA_1PNPDE20091123_220453_000000472084_00301_40435_4362.N1	23-NOV-2009 22:04:53	Bright	46.500	82	48Bet UMa	2.3650	10600.	93	40435	No
110	GOM_TRA_1PNPDE20091123_220625_000000462084_00301_40435_4363.N1	23-NOV-2009 22:06:25	Bright	46.000	87	64Gam UMa	2.4330	11000.	92	40435	No
111	GOM_TRA_1PNPDE20091123_220910_000000482084_00301_40435_4364.N1	23-NOV-2009 22:09:10	Bright	48.000	174	52Psi UMa	3.0040	4400.0	96	40435	No
112	GOM_TRA_1PNPDE20091123_221122_000000382084_00301_40435_4365.N1	23-NOV-2009 22:11:22	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	40435	No
113	GOM_TRA_1PNPDE20091123_222004_000000492084_00301_40435_4366.N1	23-NOV-2009 22:20:04	Bright	48.500	62	94Bet Leo	2.1360	9700.0	97	40435	No
114	GOM_TRA_1PNPDE20091123_222330_000000372084_00301_40435_4367.N1	23-NOV-2009 22:23:30	Bright	37.000	121	29Gam Vir	2.7400	7200.0	74	40435	No
115	GOM_TRA_1PNPDE20091123_222850_000000442084_00301_40435_4351.N1	23-NOV-2009 22:28:50	Twilight	44.000	100	4Gam Crv	2.5800	13100.	88	40435	No
116	GOM_TRA_1PNPDE20091123_223024_000000472084_00301_40435_4352.N1	23-NOV-2009 22:30:24	Twilight	46.500	171	2Eps Crv	3.0010	4250.0	93	40435	No
117	GOM_TRA_1PNPDE20091123_223950_000000522084_00302_40436_4353.N1	23-NOV-2009 22:39:50	Dark	52.000	113	Mu Vel	2.6920	5000.0	104	40436	No
118	GOM_TRA_1PNPDE20091123_224640_000000462084_00302_40436_4354.N1	23-NOV-2009 22:46:40	Dark	45.500	41	Eps Car	1.8600	4100.0	91	40436	No
119	GOM_TRA_1PNPDE20091123_224810_000000512084_00302_40436_4355.N1	23-NOV-2009 22:48:10	Dark	50.500	34	Gam2Vel	1.7930	23000.	101	40436	No
120	GOM_TRA_1PNPDE20091123_225208_000000582084_00302_40436_4356.N1	23-NOV-2009 22:52:08	Dark	57.500	2	Alp Car	-0.73600	7000.0	115	40436	No
121	GOM_TRA_1PNPDE20091123_225844_000000492084_00302_40436_4357.N1	23-NOV-2009 22:58:44	Dark	49.000	108	Alp Col	2.6520	15200.	98	40436	No
122	GOM_TRA_1PNPDE20091123_230707_000000462084_00302_40436_4358.N1	23-NOV-2009 23:07:07	Straylight	45.500	165	34Gam Eri	2.9500	3200.0	91	40436	No
123	GOM_TRA_1PNPDE20091123_231231_000000452084_00302_40436_4359.N1	23-NOV-2009 23:12:31	Twilight	45.000	94	92Alp Cet	2.5260	3100.0	90	40436	No
124	GOM_TRA_1PNPDE20091123_231849_000000402084_00302_40436_4360.N1	23-NOV-2009 23:18:49	Bright	39.500	146	25Eta Tau	2.8730	15200.	79	40436	No
125	GOM_TRA_1PNPDE20091123_232118_000000412084_00302_40436_4361.N1	23-NOV-2009 23:21:18	Bright	40.500	150	44Zet Per	2.8900	28000.	81	40436	No
126	GOM_TRA_1PNPDE20091123_232313_000000382084_00302_40436_4362.N1	23-NOV-2009 23:23:13	Bright	38.000	79	26Bet Per	2.3100	13100.	76	40436	No
127	GOM_TRA_1PNPDE20091123_232541_000000382084_00302_40436_4363.N1	23-NOV-2009 23:25:41	Bright	38.000	175	39Del Per	3.0100	19400.	76	40436	No
128	GOM_TRA_1PNPDE20091123_234351_000000422084_00302_40436_4364.N1	23-NOV-2009 23:43:51	Bright	42.000	36	50Alp UMa	1.8000	6300.0	84	40436	No
129	GOM_TRA_1PNPDE20091123_234528_000000462084_00302_40436_4365.N1	23-NOV-2009 23:45:28	Bright	45.500	82	48Bet UMa	2.3650	10600.	91	40436	No
130	GOM_TRA_1PNPDE20091123_234701_000000442084_00302_40436_4366.N1	23-NOV-2009 23:47:01	Bright	44.000	87	64Gam UMa	2.4330	11000.	88	40436	No

131	GOM_TRA_1PNPDE20091123_234946_000000522084_00302_40436_4367.N1	23-NOV-2009 23:49:46	Bright	51.500	174	52Psi UMa	3.0040	4400.0	103	40436	No
132	GOM_TRA_1PNPDE20091123_235158_000000212084_00302_40436_4368.N1	23-NOV-2009 23:51:58	Twilight_stray	20.500	152	12Alp2CVn	2.8900	11000.	41	40436	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).

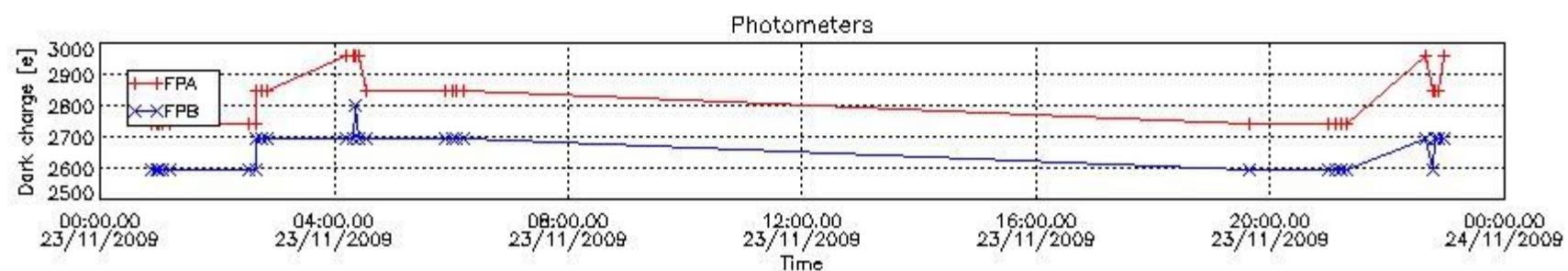
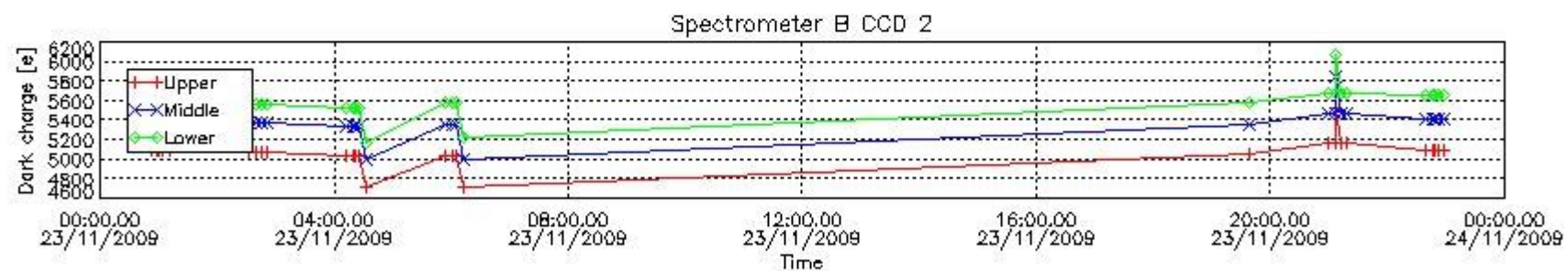
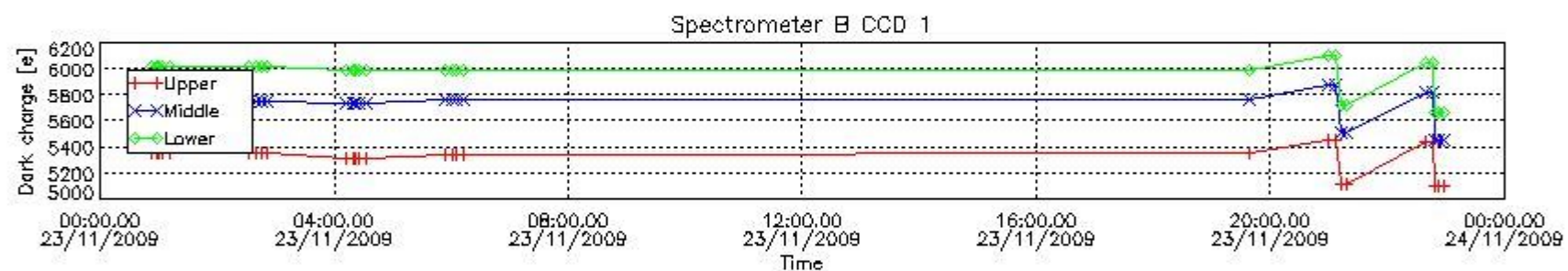
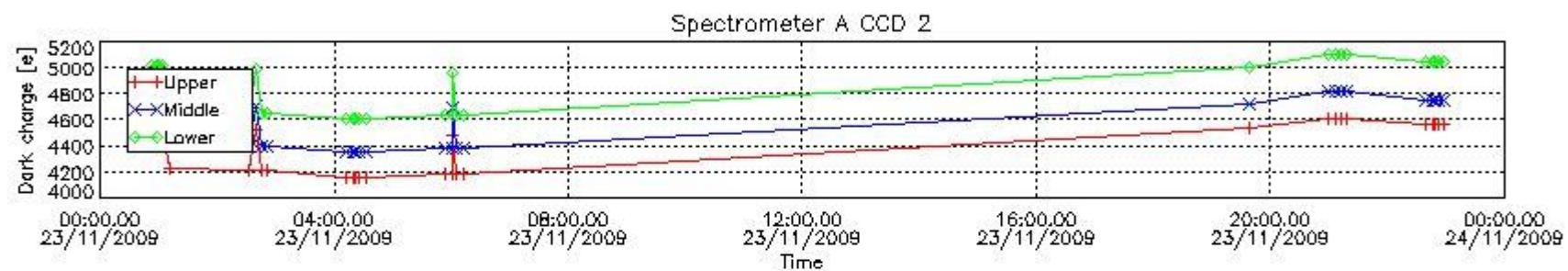
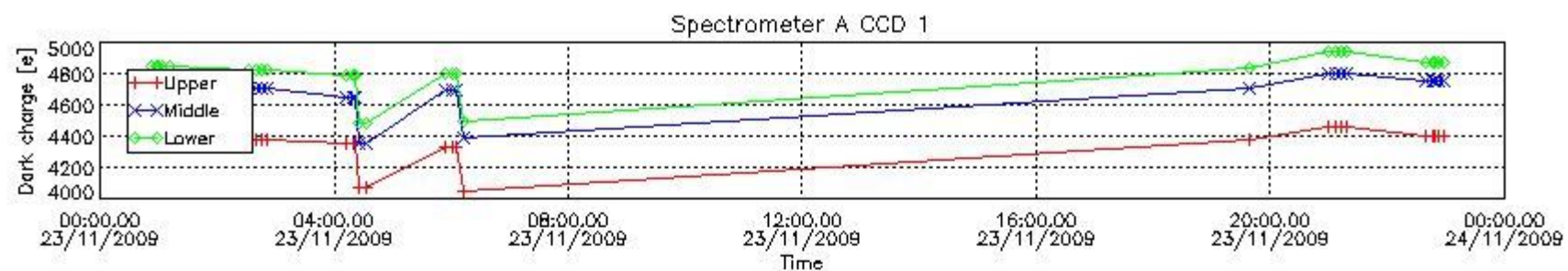
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20091123_193731_000000502084_00300_40434_4302.N1	DC map used
GOM_TRA_1PNPDE20091123_194555_000000462084_00300_40434_4303.N1	DC map used
GOM_TRA_1PNPDE20091123_195120_000000462084_00300_40434_4304.N1	DC map used
GOM_TRA_1PNPDE20091123_195738_000000412084_00300_40434_4305.N1	DC map used
GOM_TRA_1PNPDE20091123_200007_000000422084_00300_40434_4306.N1	DC map used
GOM_TRA_1PNPDE20091123_200202_000000382084_00300_40434_4307.N1	DC map used
GOM_TRA_1PNPDE20091123_200430_000000392084_00300_40434_4308.N1	DC map used
GOM_TRA_1PNPDE20091123_202239_000000492084_00300_40434_4309.N1	DC map used

GOM_TRA_1PNPDE20091123_202418_000000422084_00300_40434_4310.N1	DC map used
GOM_TRA_1PNPDE20091123_202550_000000602084_00300_40434_4311.N1	DC map used
GOM_TRA_1PNPDE20091123_202834_000000502084_00300_40434_4312.N1	DC map used
GOM_TRA_1PNPDE20091123_203046_000000552084_00300_40434_4313.N1	DC map used
GOM_TRA_1PNPDE20091123_203927_000000512084_00300_40434_4314.N1	DC map used
GOM_TRA_1PNPDE20091123_204254_000000572084_00300_40434_4315.N1	DC map used

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



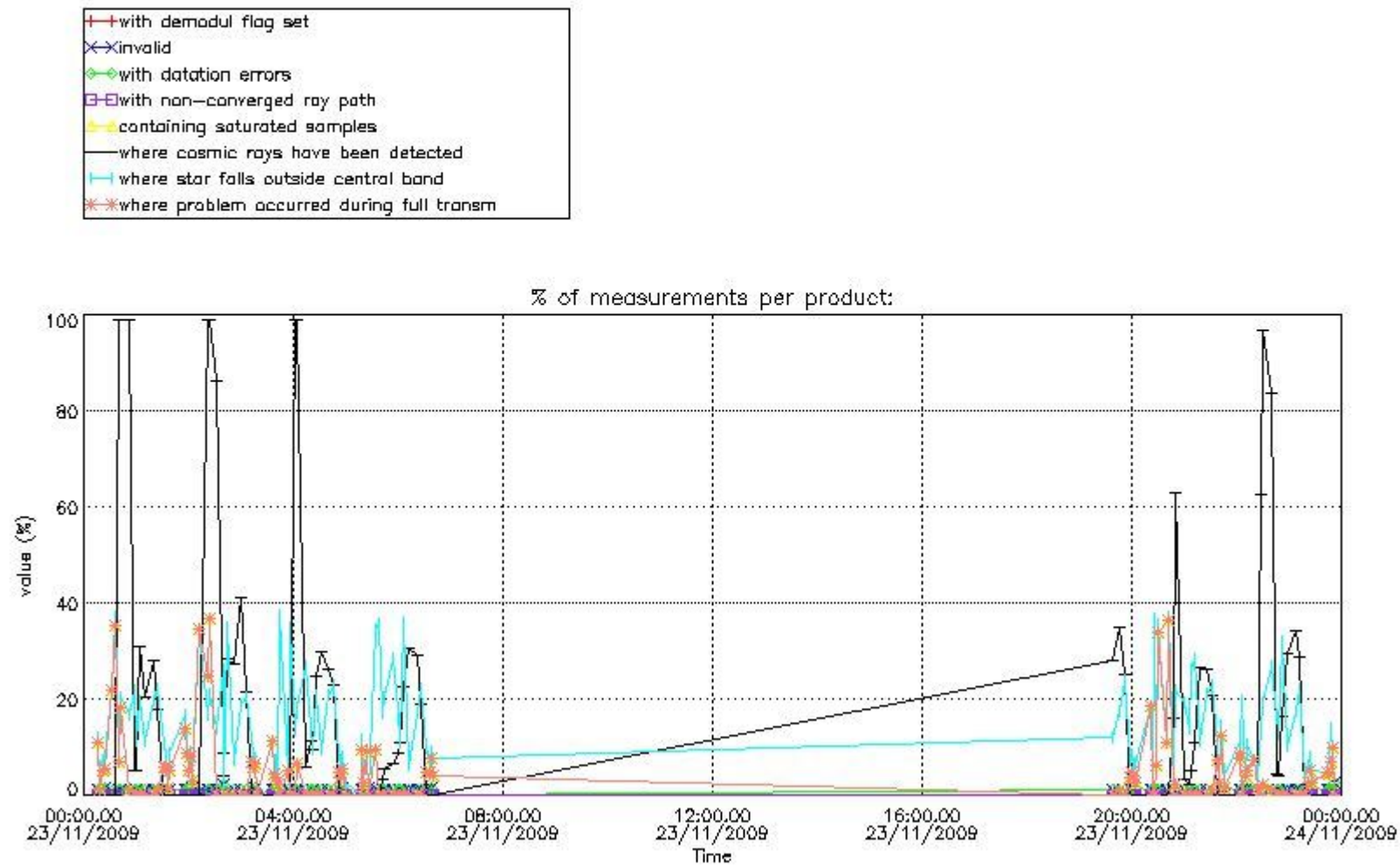
5. Demodulation flag and quality information monitoring

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.

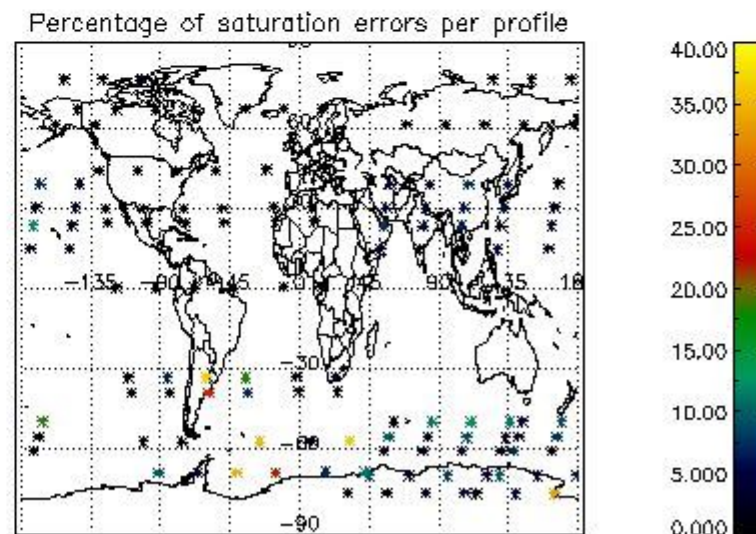
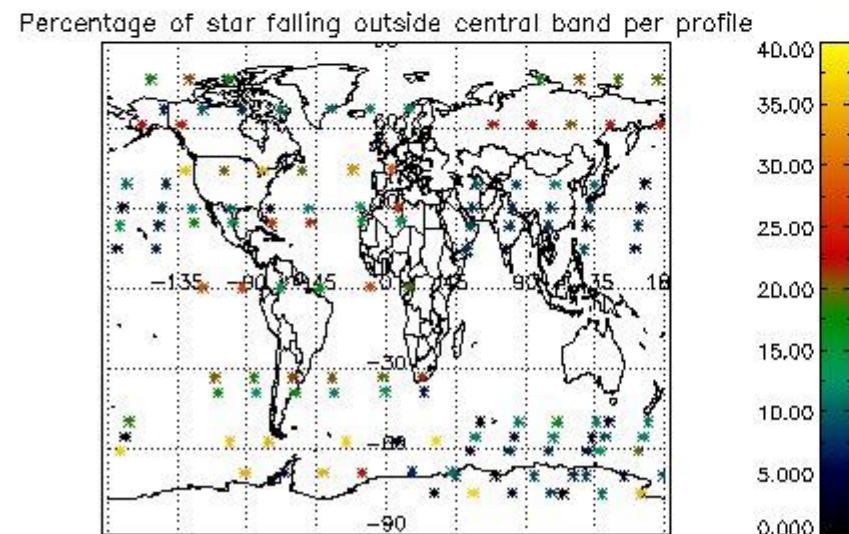
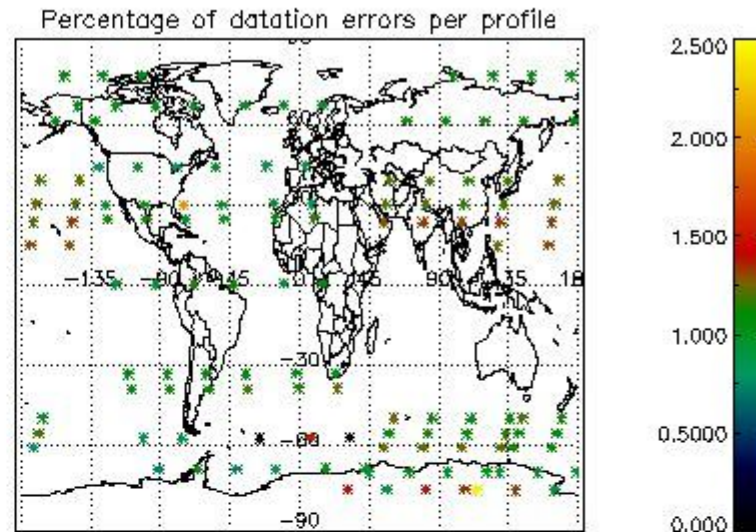
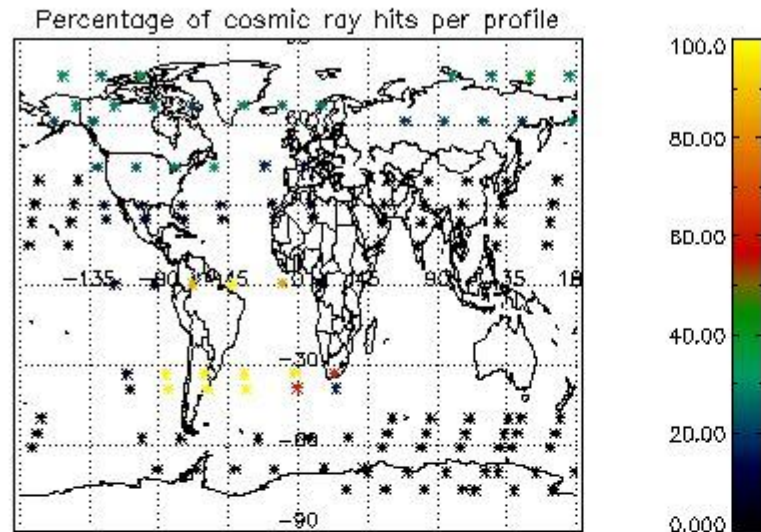
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	38.1679 %
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)



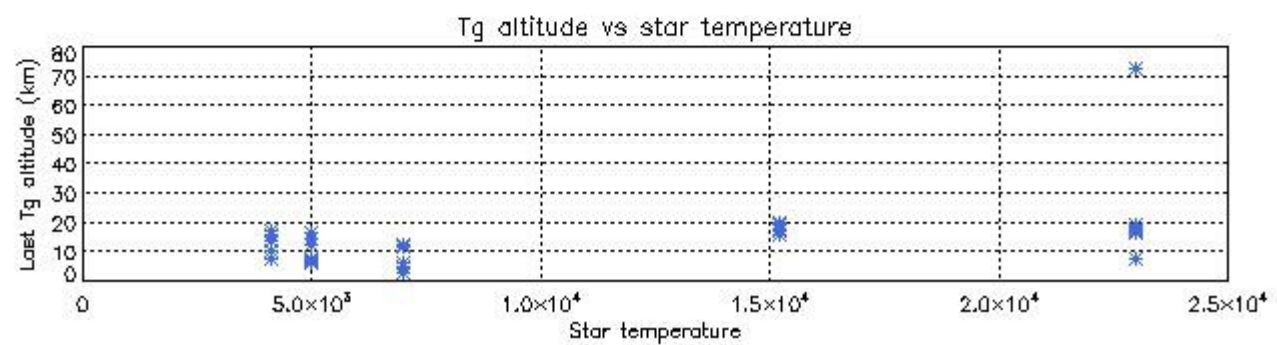
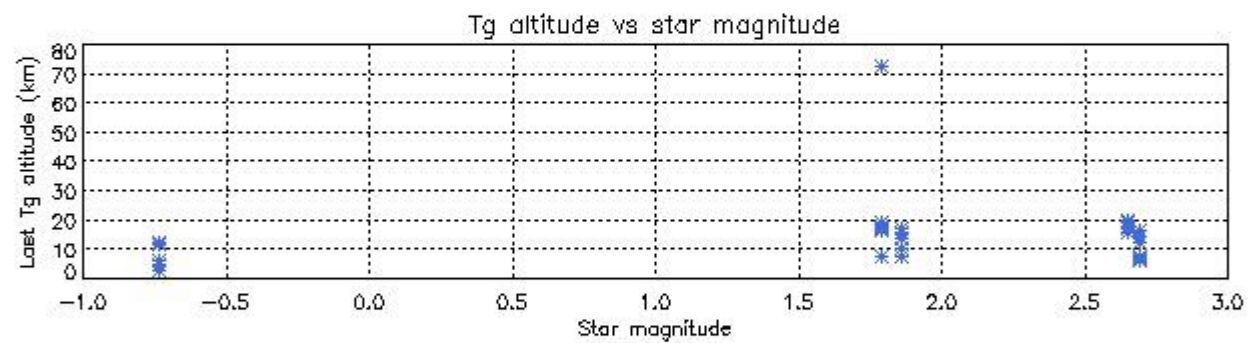
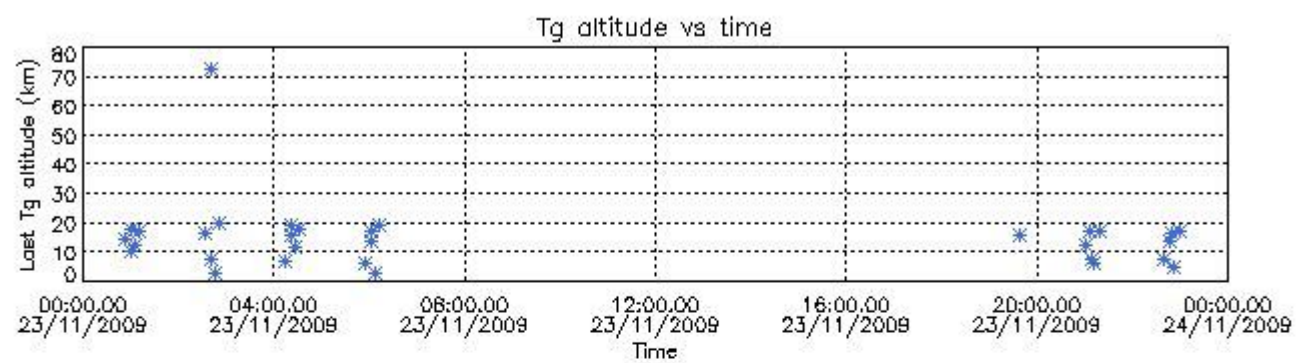
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.658	18.032	11.889
St. deviation:	11.901	6.1116	0.65008
Maximum:	72.516	29.554	12.406
Minimum:	2.6896	3.3054	10.639
Number of data:	31.000	73.000	6.0000

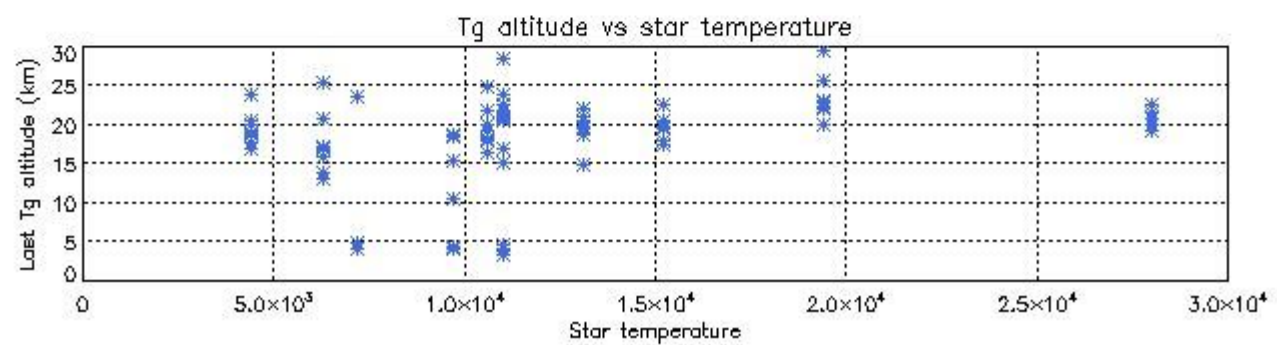
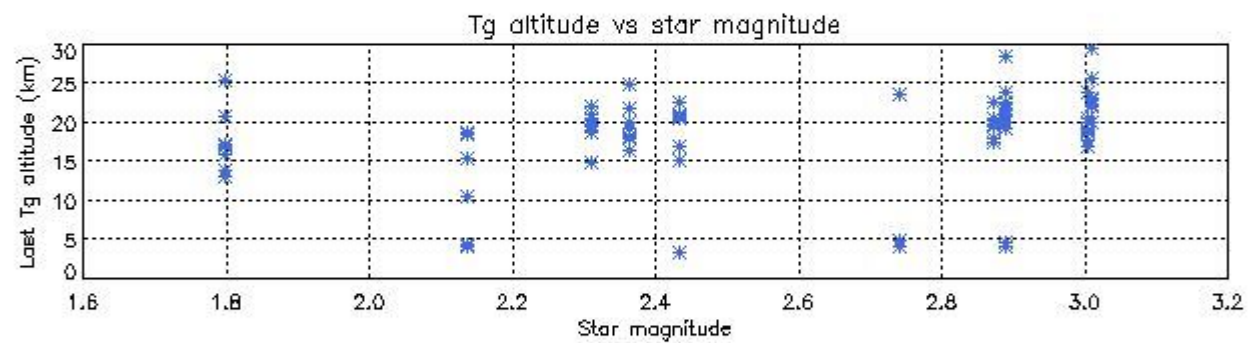
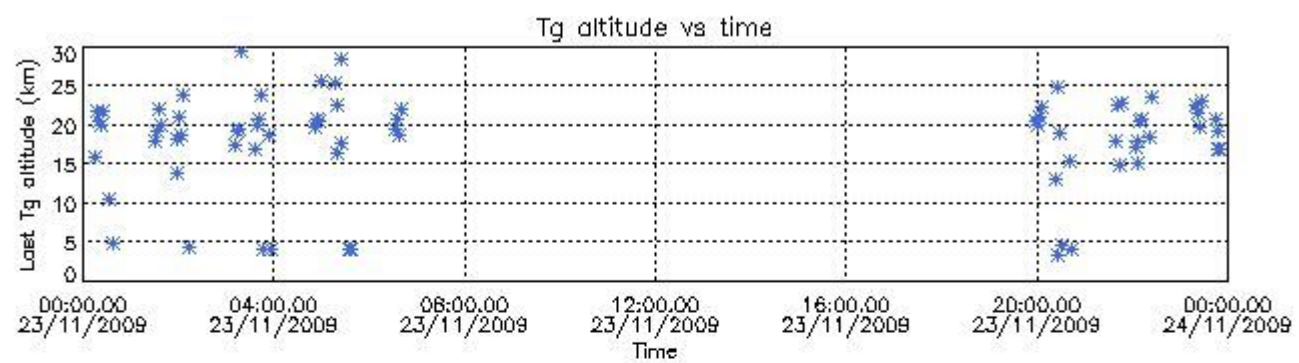
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



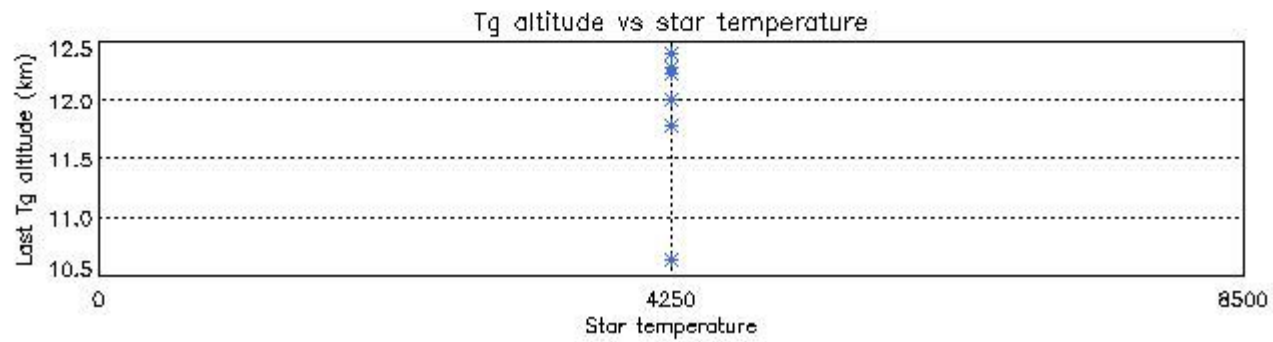
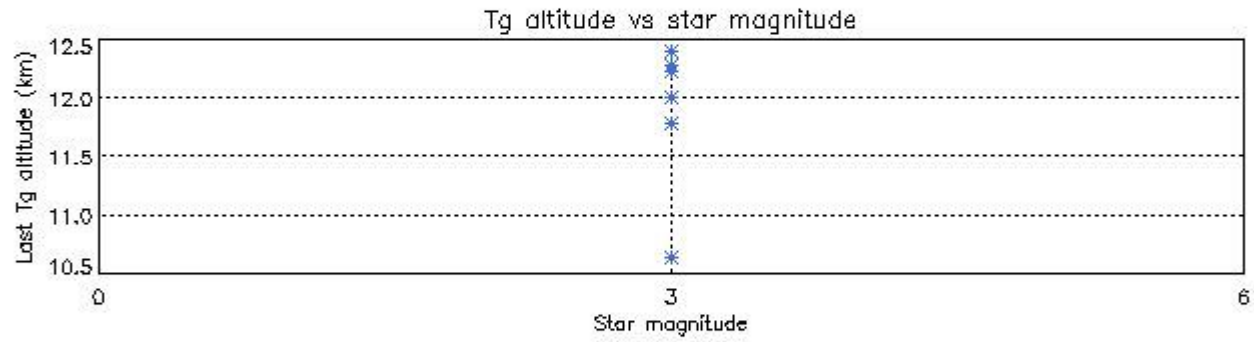
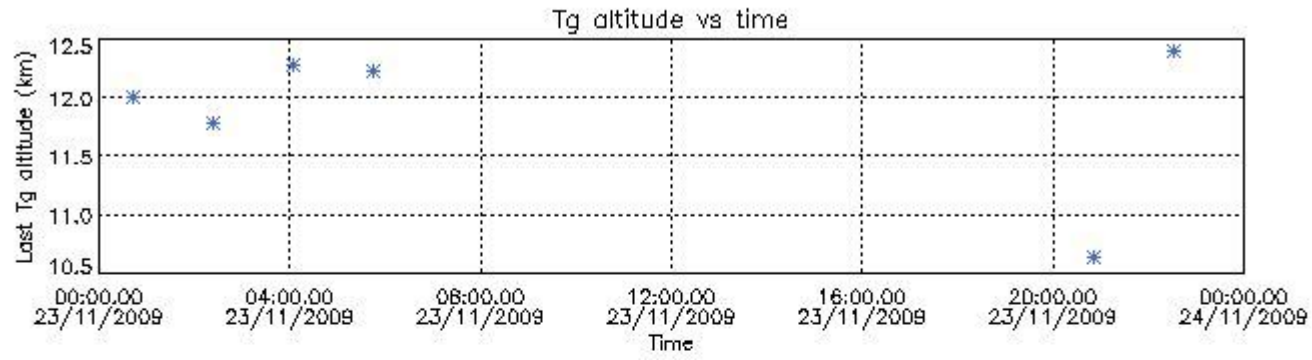
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

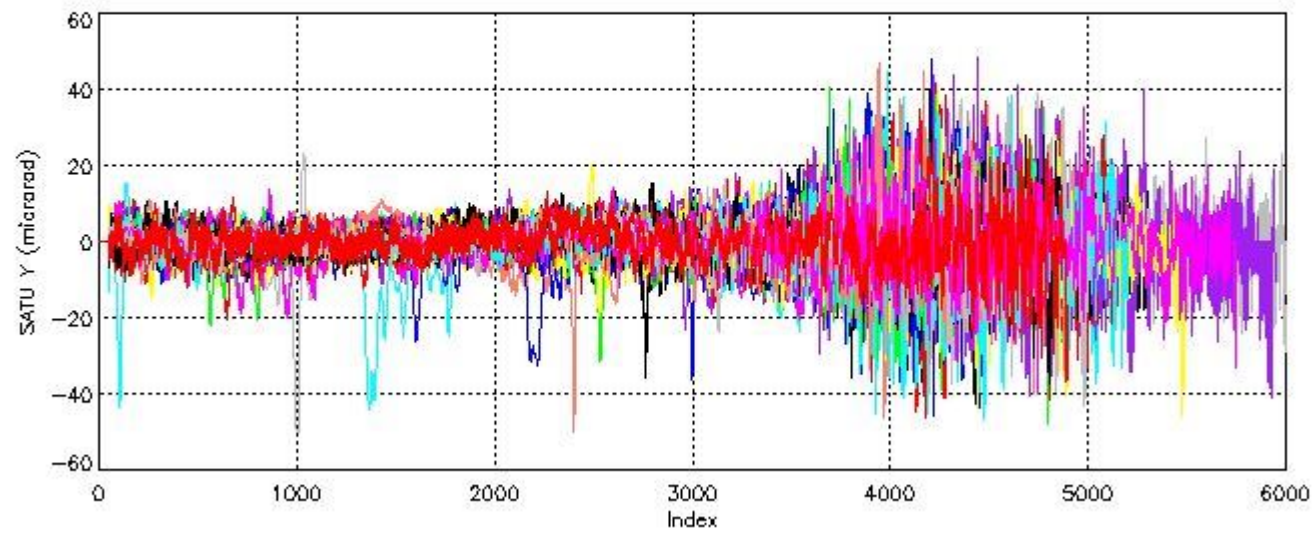
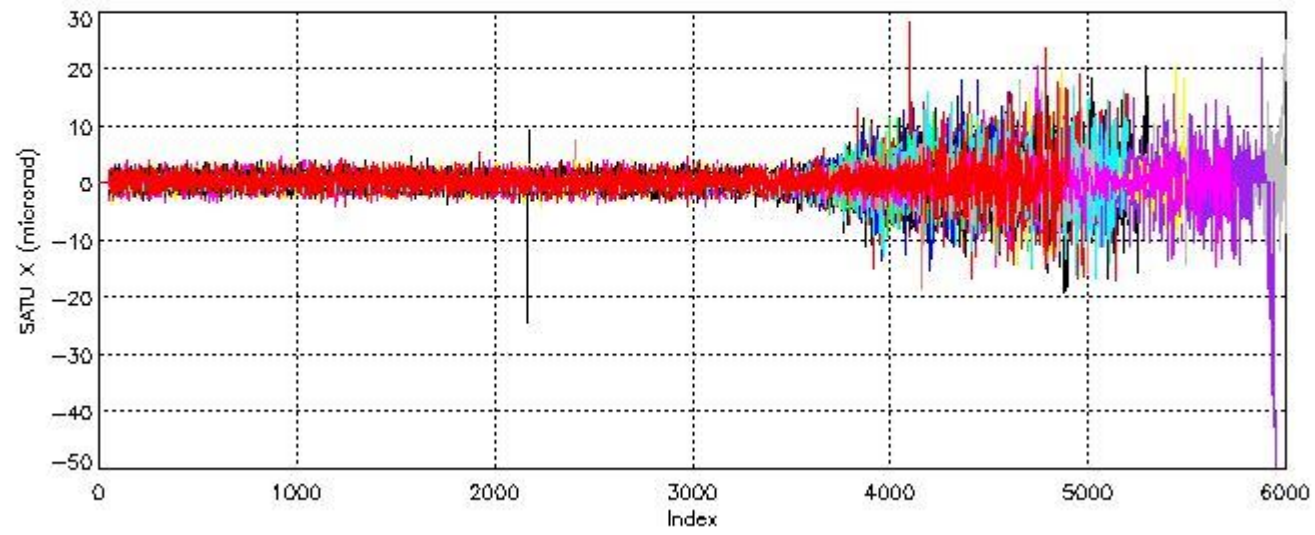


7. Star Acquisition and Tracking Unit (SATU)

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:	0.25893	-0.24477	0.18242	-0.39247
St. deviation:	0.56738	3.5466	1.1264	3.4147
Maximum:	4.6000	15.300	7.1000	16.700
Minimum:	-3.6000	-49.900	-7.0000	-38.400

Number of data:	32050.	32050.	71100.	71100.
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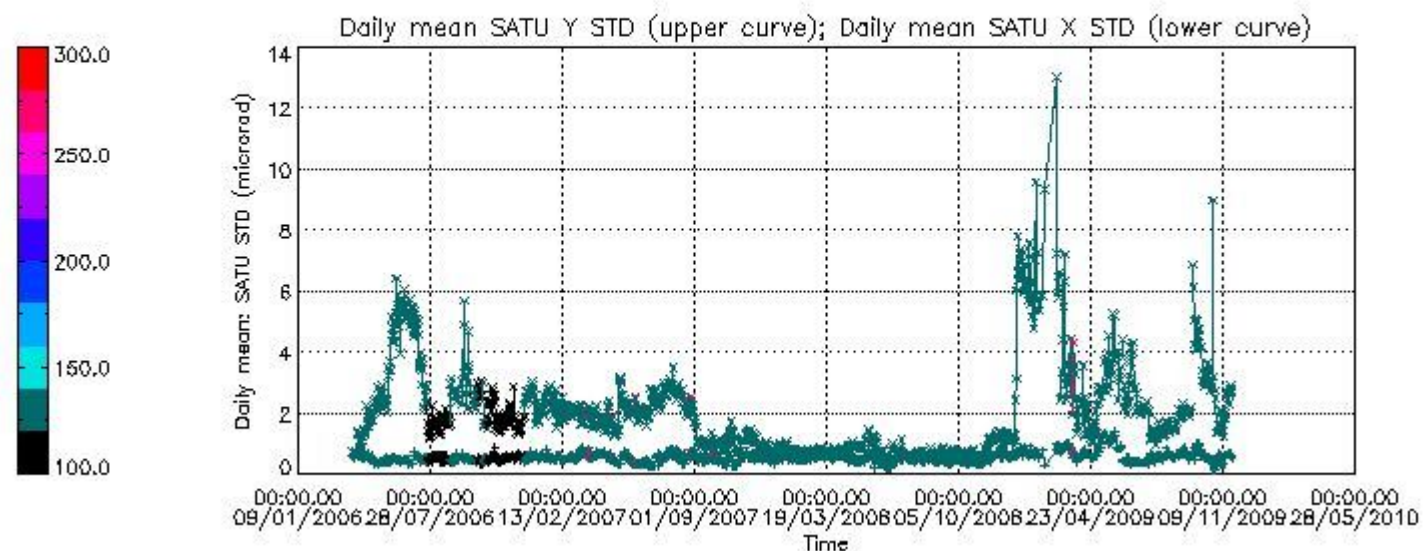
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

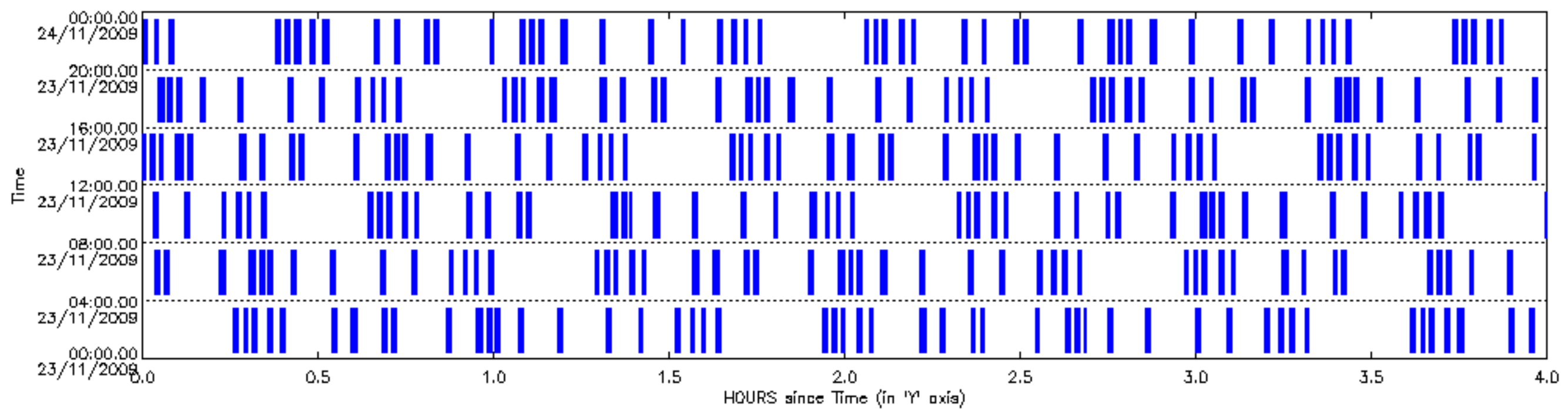
Lower curve: STD of SATU X axis

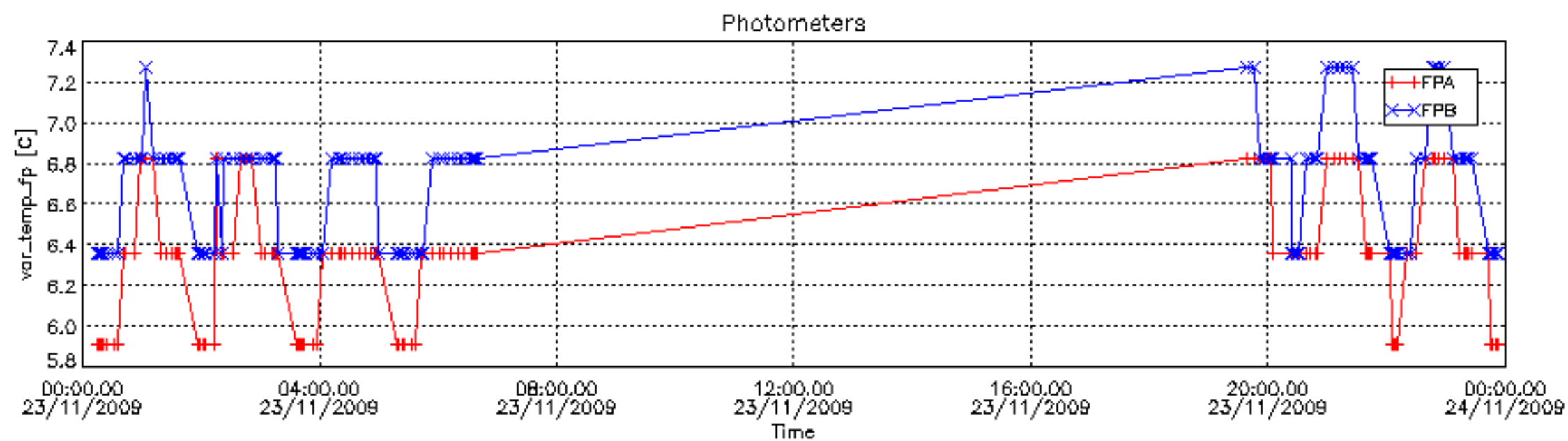
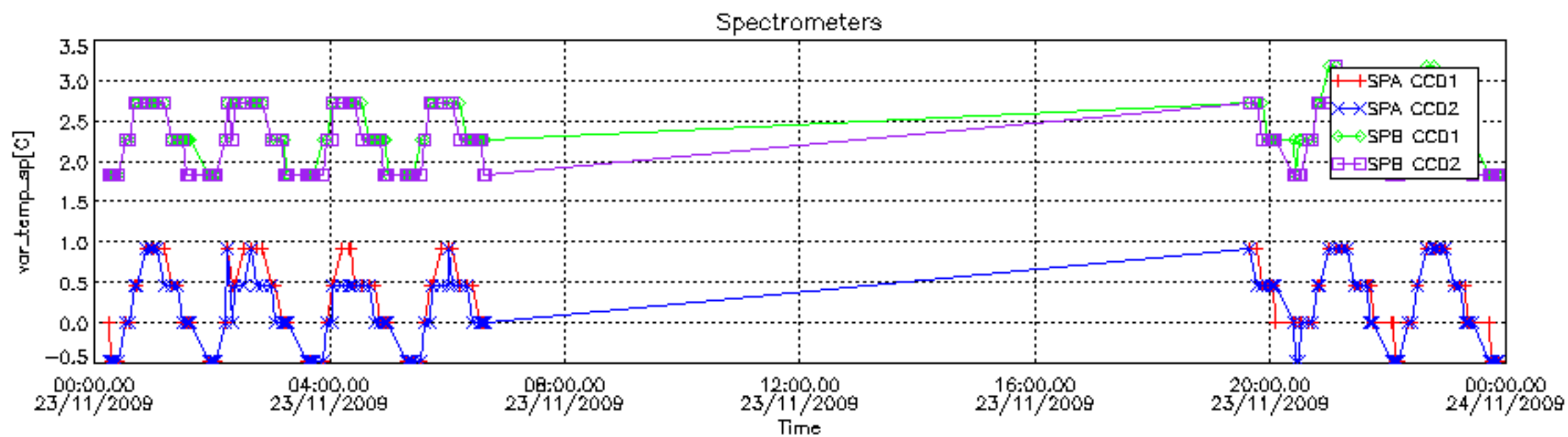


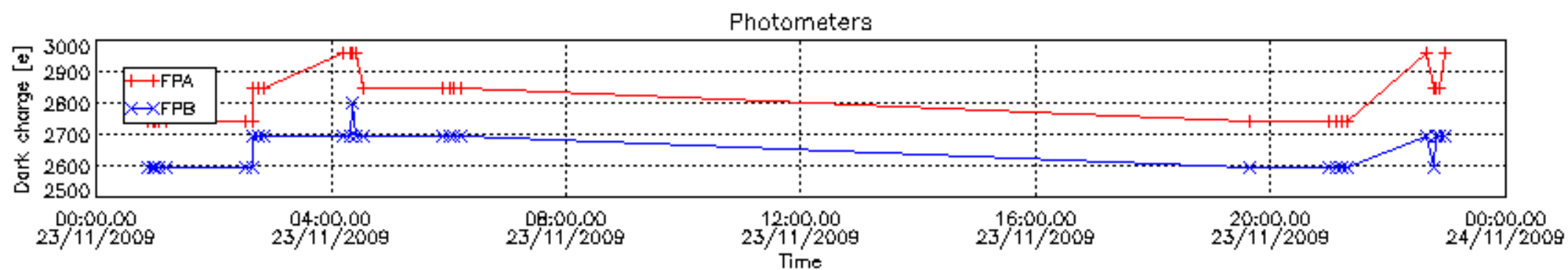
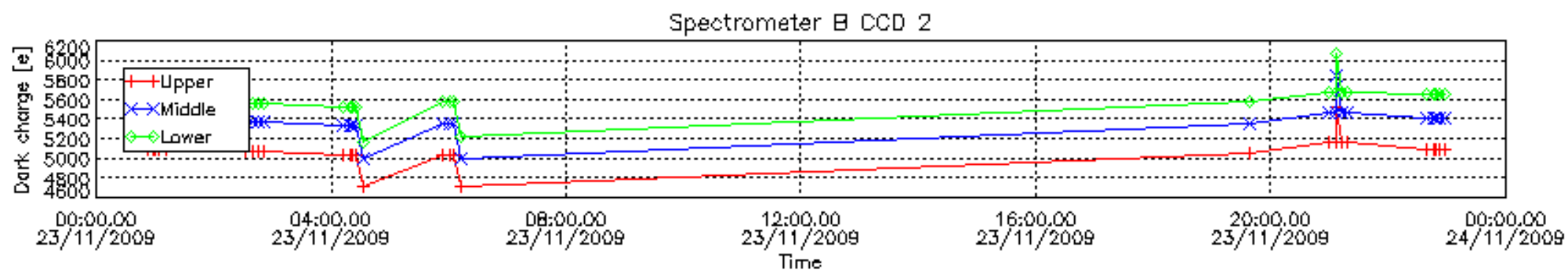
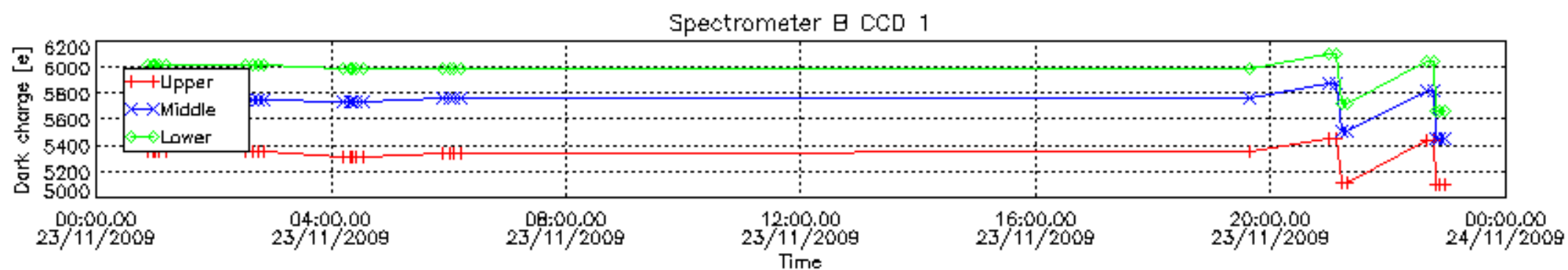
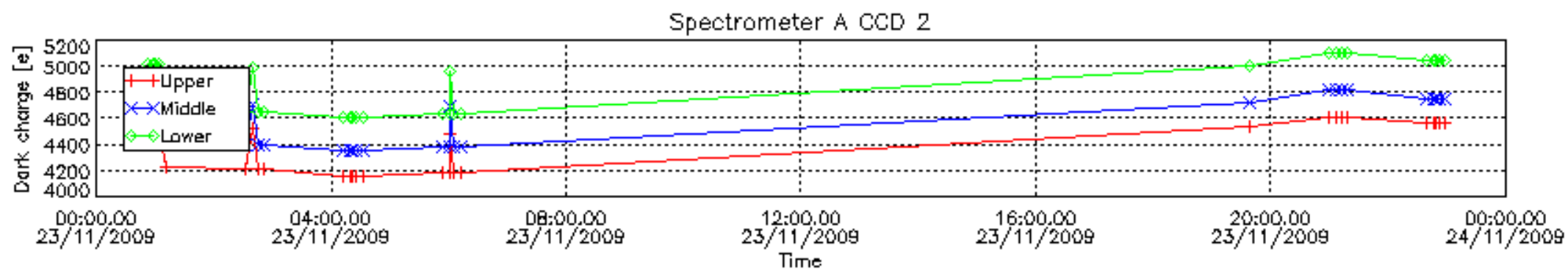
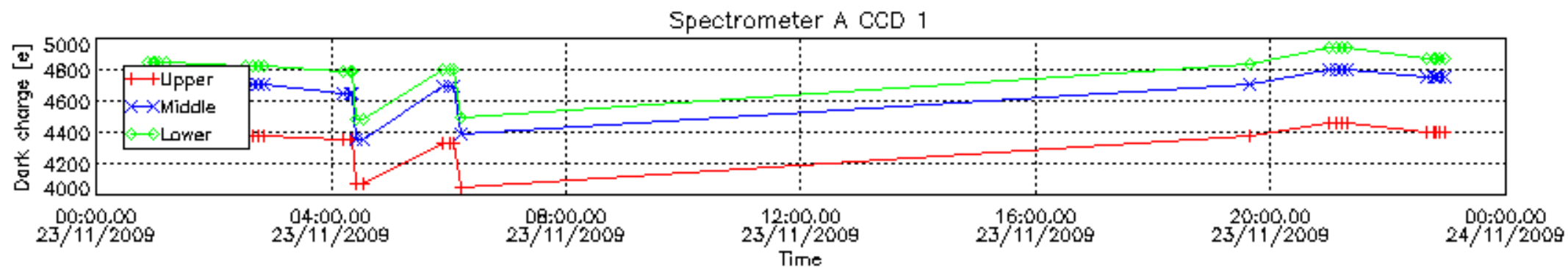
8. Auxiliary Data Files used for the production reported in section 2.4

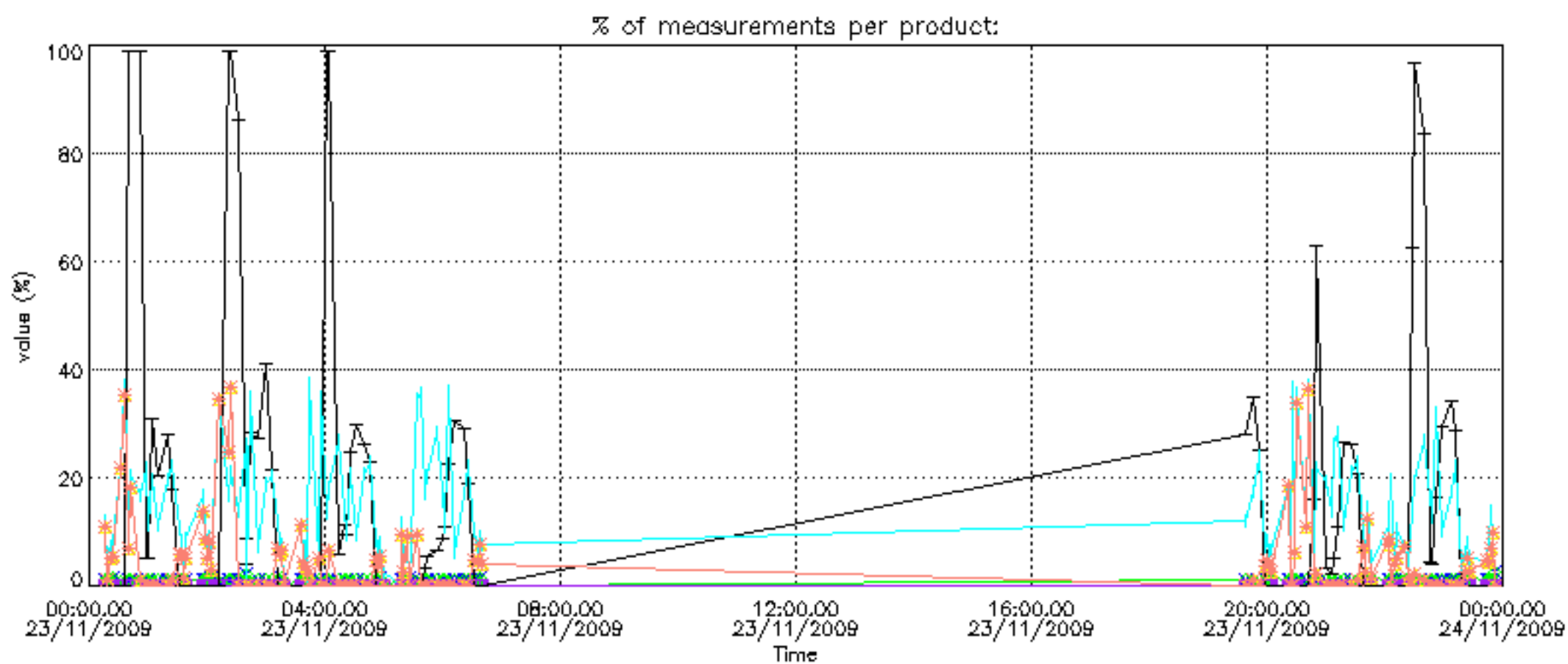
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	23-NOV-2009 00:15:31
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091116_112409_20091114_000000_20100101_000000	1	23-NOV-2009 00:15:31
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	23-NOV-2009 00:15:31
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	23-NOV-2009 00:15:31
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	23-NOV-2009 00:15:31
ECMWF_FILE	AUX_ECF_AXNECM20091122_064110_20091122_210000_20091123_090000	1	23-NOV-2009 00:15:31
ECMWF_FILE	AUX_ECF_AXNECM20091122_182112_20091123_030000_20091123_150000	41	23-NOV-2009 03:36:43
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ECMWF_FILE	AUX_ECA_AXNECM20091124_060110_20091123_150000_20091124_030000	95	23-NOV-2009 20:48:14
ECMWF_FILE	AUX_ECA_AXNECM20091124_062110_20091123_210000_20091124_090000	115	23-NOV-2009 22:28:50
OPTIONAL_ECMWF_FILE	MISSING	1	23-NOV-2009 00:15:31
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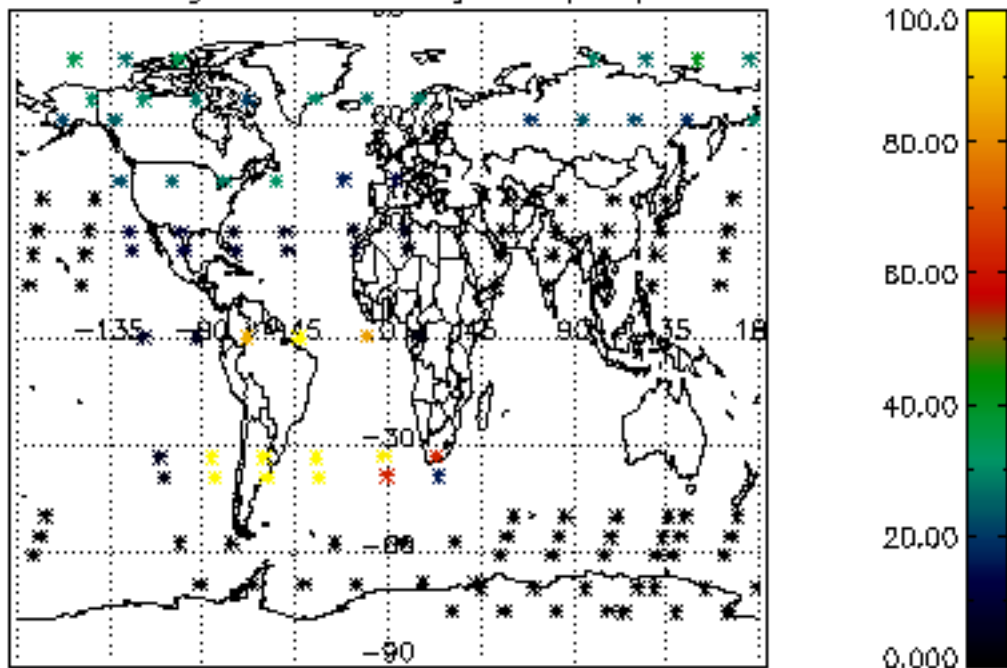




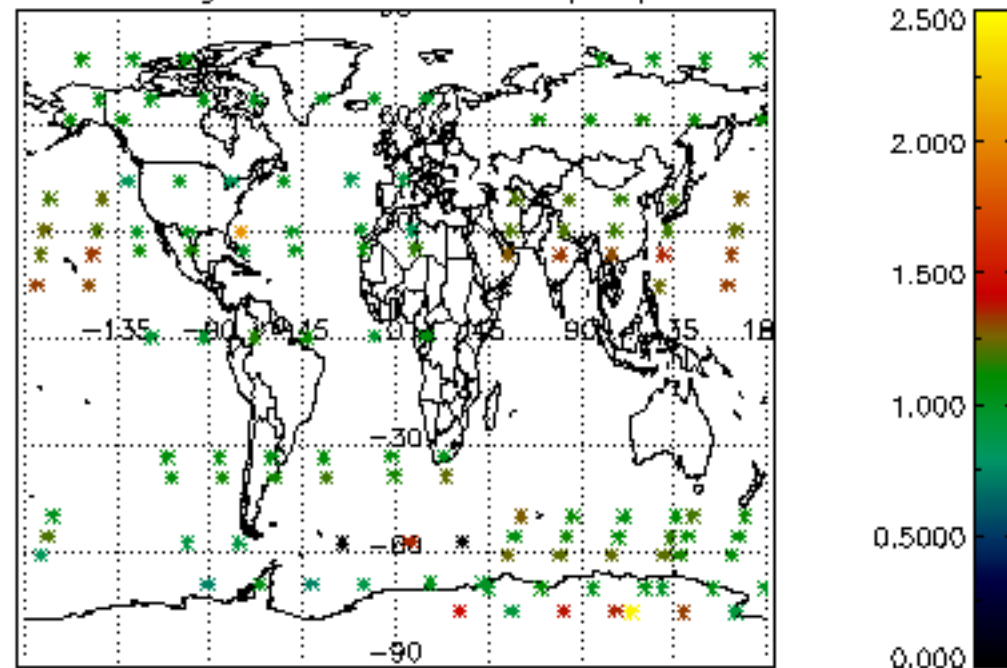




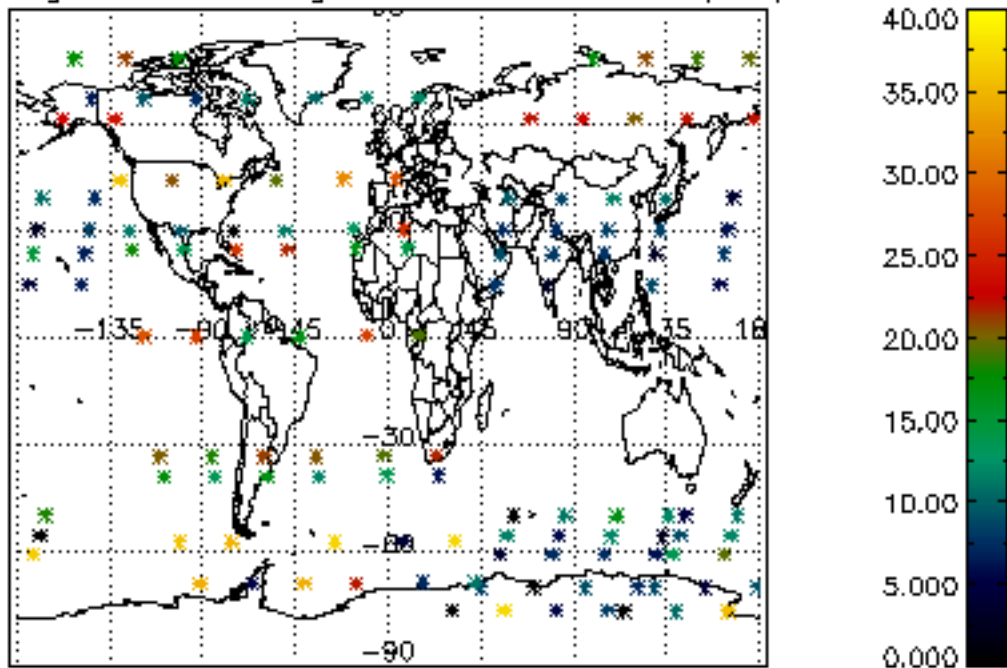
Percentage of cosmic ray hits per profile



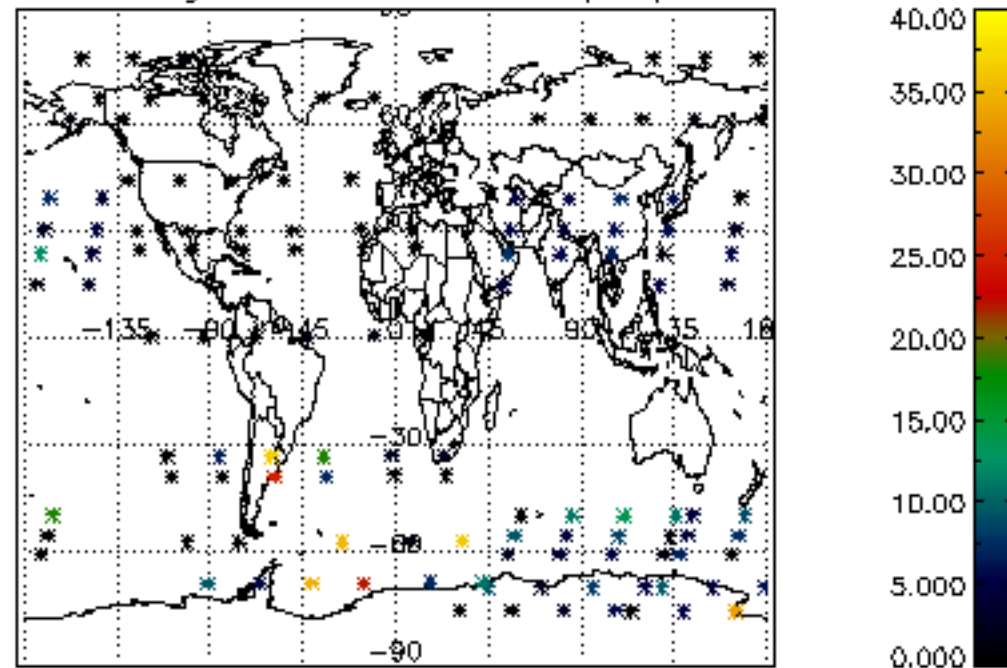
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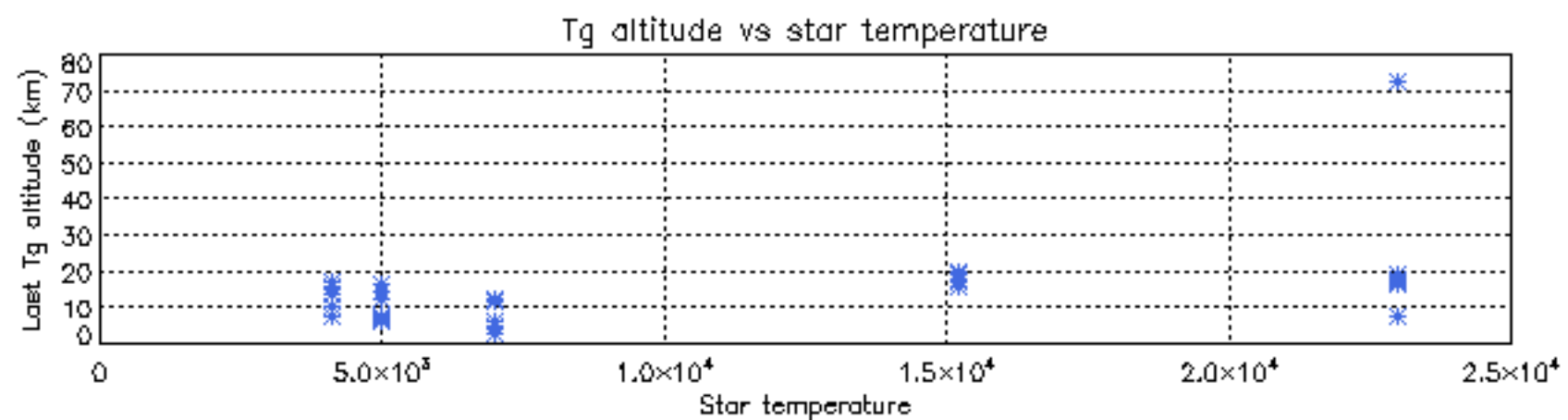
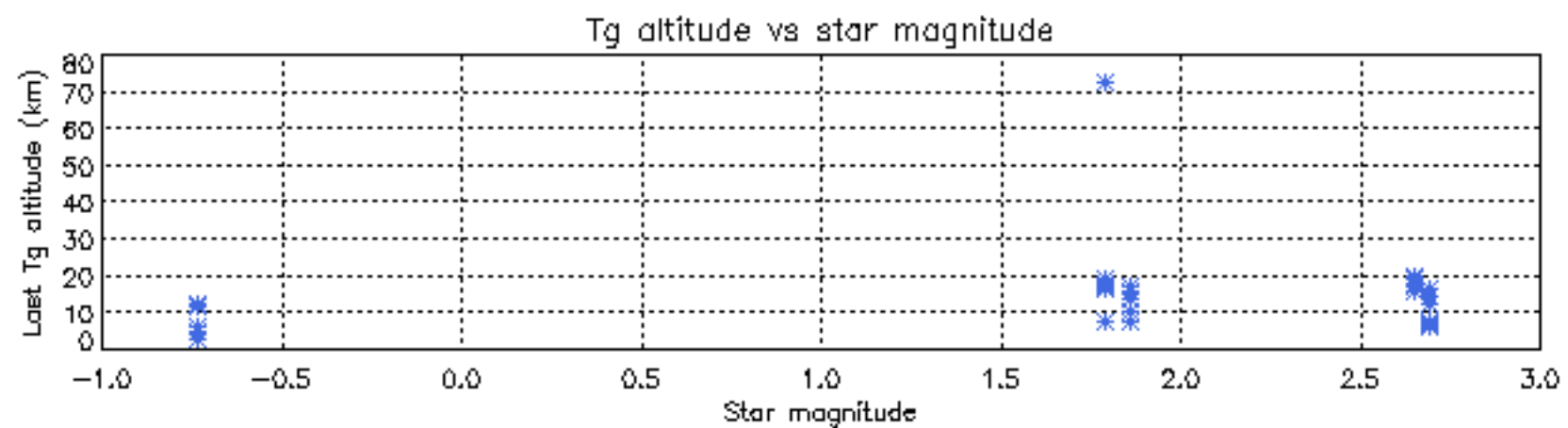
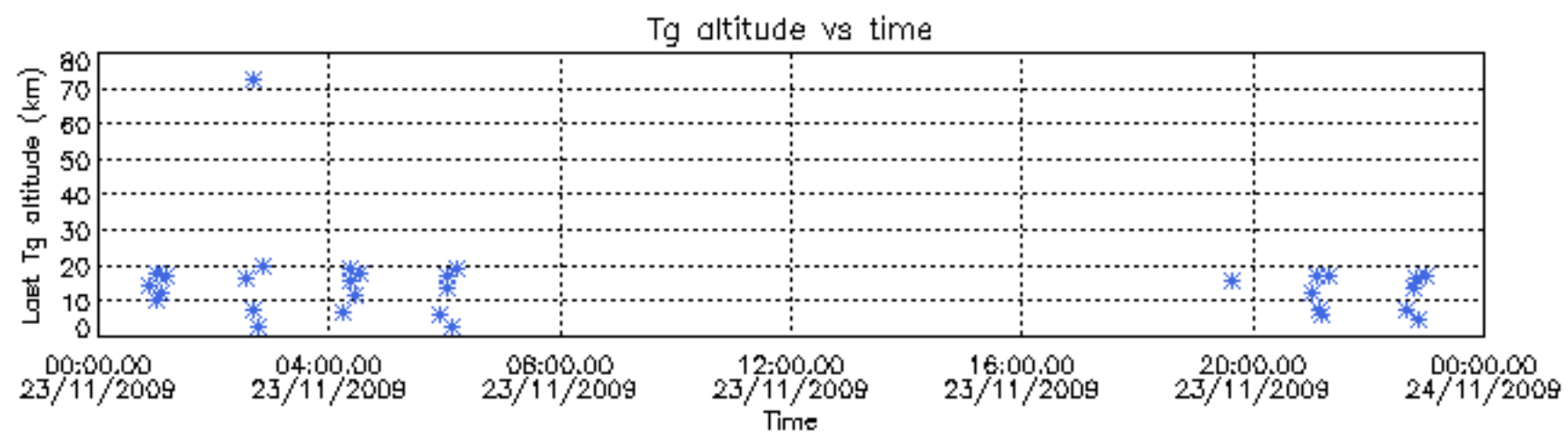
Percentage of star falling outside central band per profile



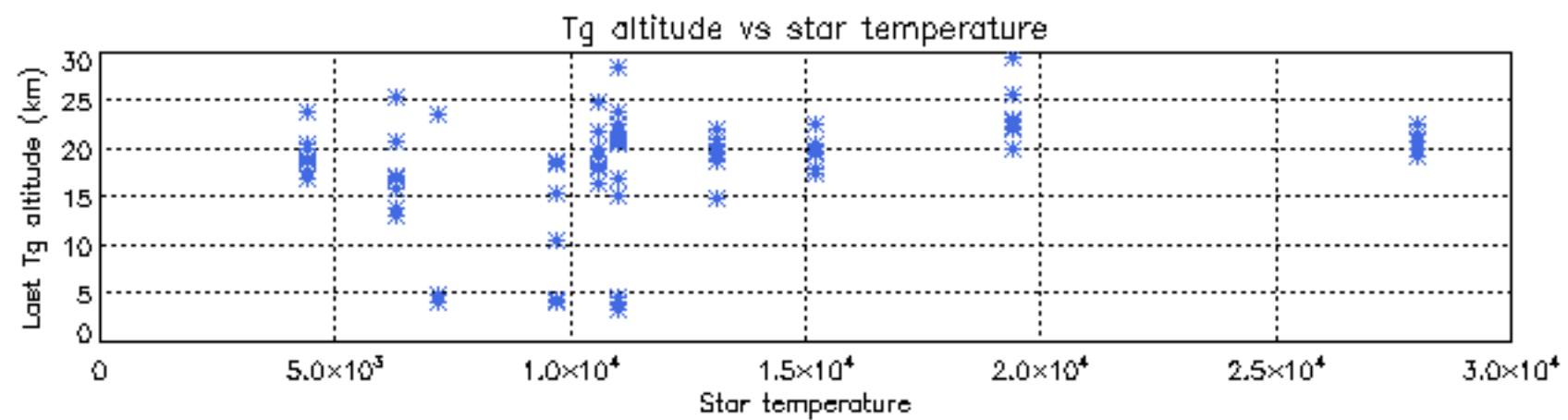
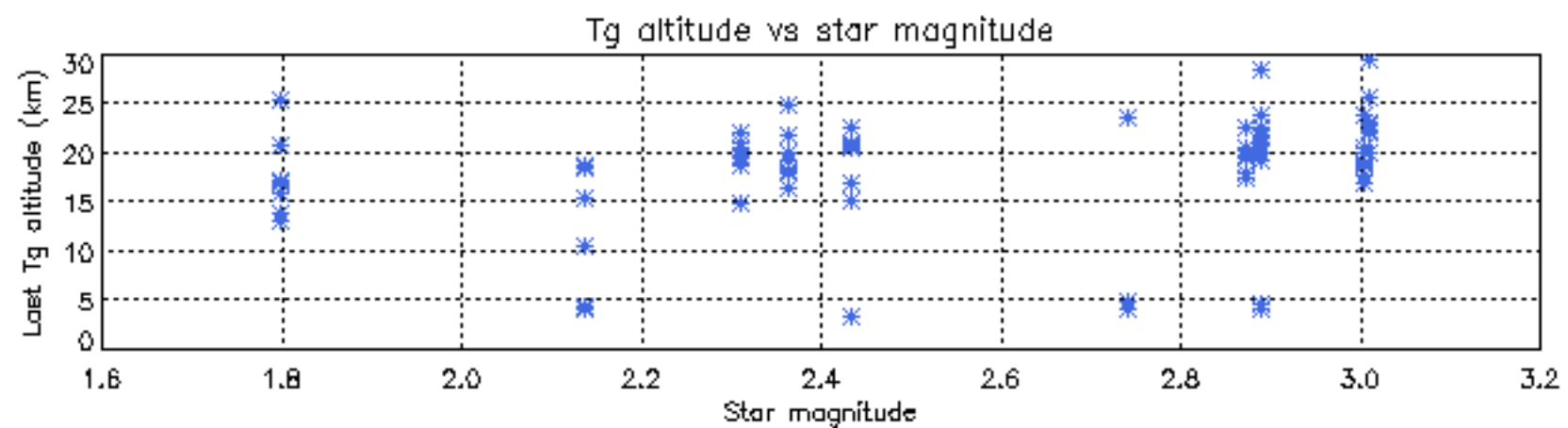
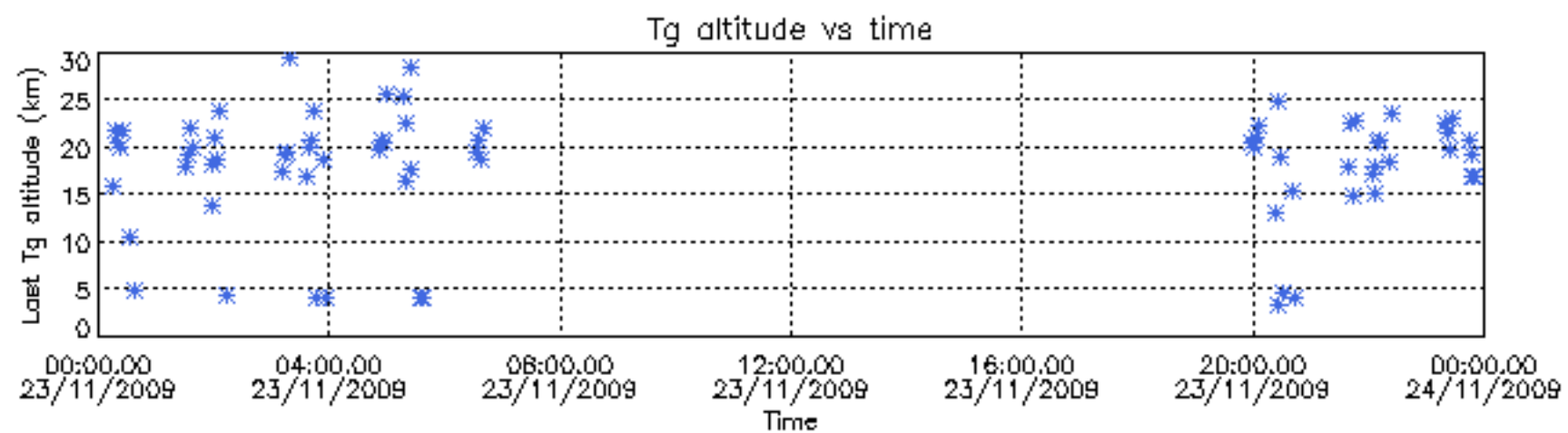
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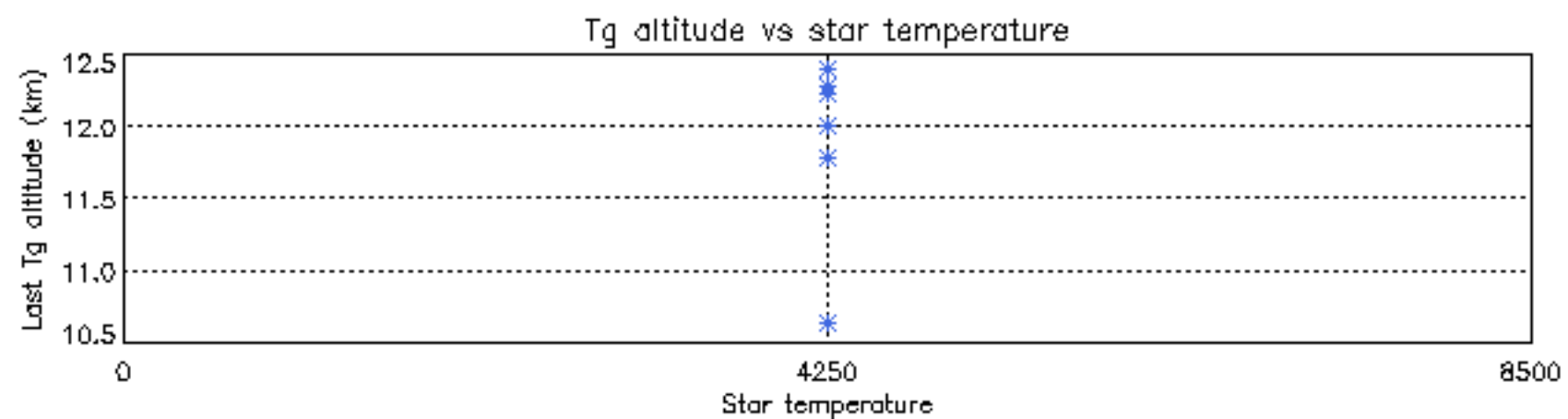
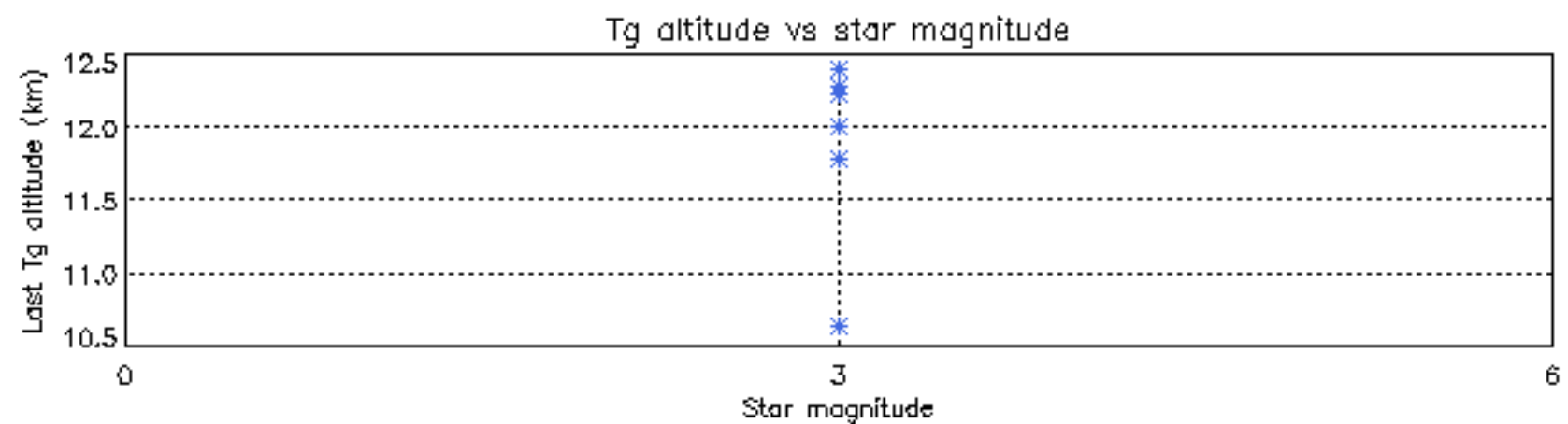
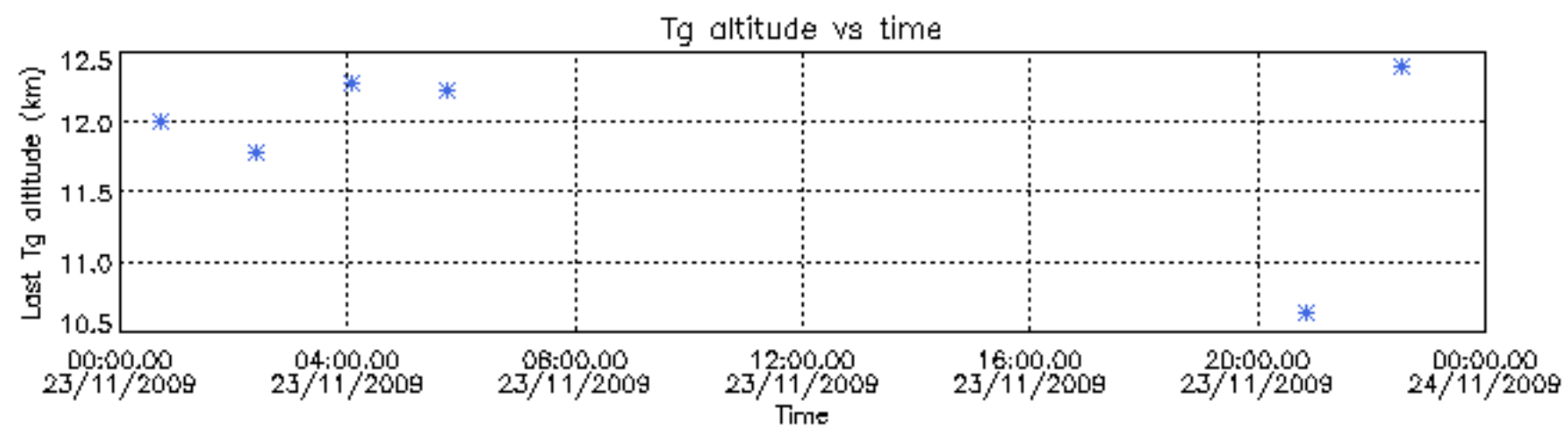
Tangent altitude at which the star is lost

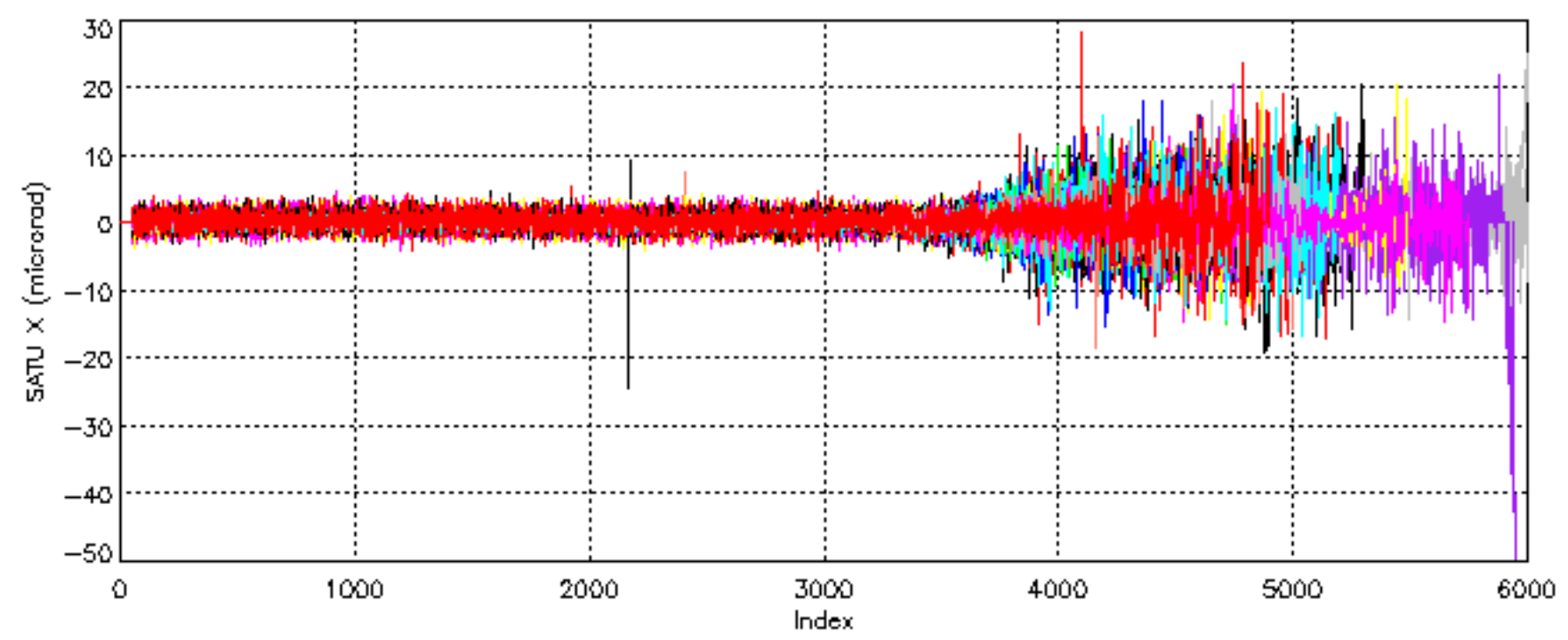


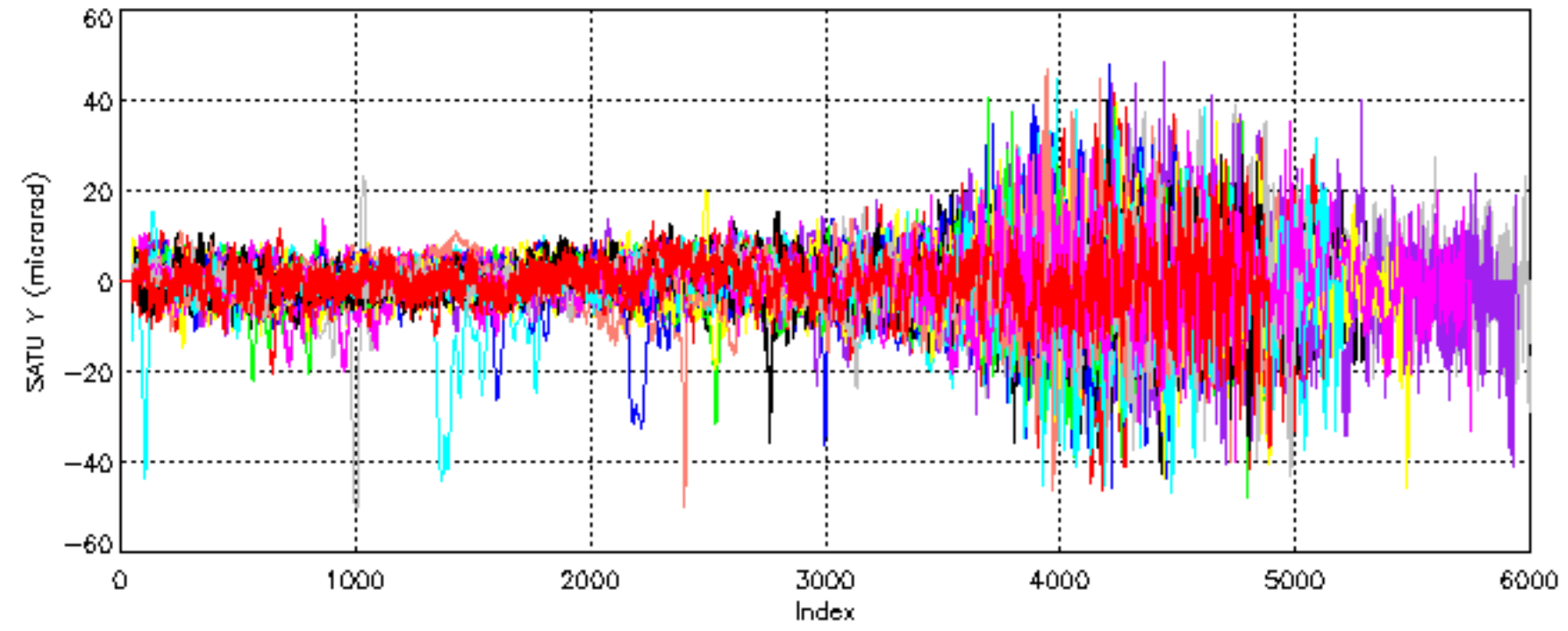
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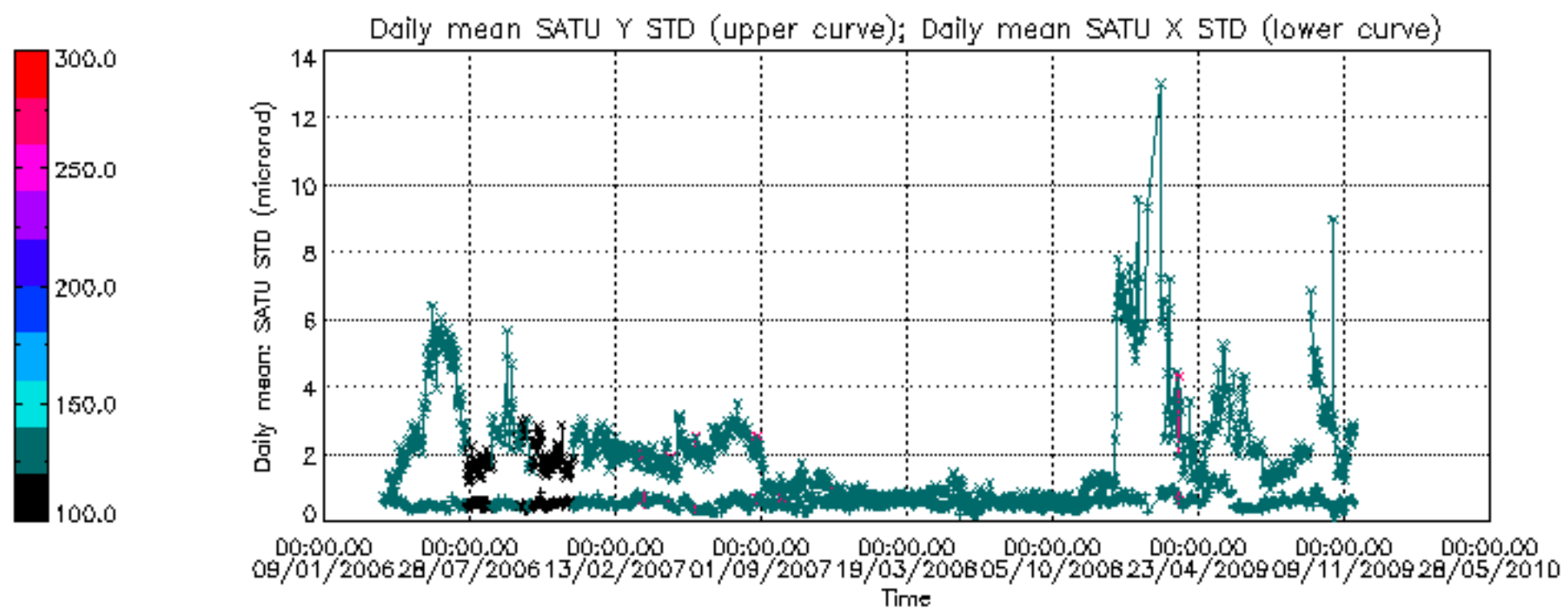


Tangent altitude at which the star is lost










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14; 6215.1; 05-NOV-2009 10:23:57; Dark ; 49.0; 46; Del Vel ; 1.95; 10600;occ; 98; 0;40170
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4; 2522.4; 05-NOV-2009 11:03:00; Bright; 37.0; 173; 4Bet Tri ; 3.00; 8900;occ; 74; 0;40171
5; 2645.5; 05-NOV-2009 11:05:03; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;40171
6; 2816.5; 05-NOV-2009 11:07:54; Bright; 48.5; 149; 45Eps Per ; 2.89; 30000;occ; 97; 0;40171
7; 3905.3; 05-NOV-2009 11:26:03; Bright; 42.0; 36; 50Alp UMA ; 1.80; 6300;occ; 84; 0;40171
8; 4002.6; 05-NOV-2009 11:27:41; Bright; 37.5; 82; 48Bet UMA ; 2.37; 10600;occ; 75; 0;40171

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 4; 2522.2; 05-NOV-2009 12:43:36; Bright; 38.5; 173; 4Bet Tri ; 3.00; 8900;occ; 77; 0;40172
 5; 2645.5; 05-NOV-2009 12:45:39; Bright; 40.0; 73; 57Gam1And ; 2.26; 13100;occ; 80; 0;40172
 6; 2815.5; 05-NOV-2009 12:48:29; Bright; 50.0; 149; 45Eps Per ; 2.89; 30000;occ; 100; 0;40172
 7; 3905.2; 05-NOV-2009 13:06:39; Bright; 39.0; 36; 50Alp UMa ; 1.80; 6300;occ; 78; 0;40172
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 12; 6074.7; 05-NOV-2009 13:42:49; Dark ; 62.0; 65; Lam Vel ; 2.20; 4400;occ; 124; 0;40172
 13; 6216.4; 05-NOV-2009 13:45:10; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;40172
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 16; 6610.1; 05-NOV-2009 13:51:44; Dark ; 53.0; 2; Alp Car ; -0.74; 7000;occ; 106; 0;40172
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 4; 2522.2; 05-NOV-2009 14:24:12; Bright; 37.5; 173; 4Bet Tri ; 3.00; 8900;occ; 75; 0;40173
 5; 2645.4; 05-NOV-2009 14:26:15; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;40173
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 9; 4229.8; 05-NOV-2009 14:52:40; Bright; 39.5; 174; 52Psi UMa ; 3.00; 4400;occ; 79; 0;40173
 10; 4691.4; 05-NOV-2009 15:00:21; Bright; 60.0; 96; 68Del Leo ; 2.56; 9300;occ; 120; 0;40173
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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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 15; 6445.8; 05-NOV-2009 15:29:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40173
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 4; 2521.9; 05-NOV-2009 16:04:48; Bright; 37.5; 173; 4Bet Tri ; 3.00; 8900;occ; 75; 0;40174
 5; 2645.1; 05-NOV-2009 16:06:51; Bright; 39.0; 73; 57Gam1And ; 2.26; 13100;occ; 78; 0;40174
 6; 2813.9; 05-NOV-2009 16:09:40; Bright; 49.5; 149; 45Eps Per ; 2.89; 30000;occ; 99; 0;40174
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 2; 1634.2; 05-NOV-2009 17:30:36; Dark ; 59.0; 165; 34Gam Eri ; 2.95; 3200;occ; 118; 0;40175
 3; 1993.7; 05-NOV-2009 17:36:36; Dark ; 50.5; 94; 92Alp Cet ; 2.53; 3100;occ; 101; 0;40175


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4; 2317.2; 05-NOV-2009 17:41:59; Bright; 40.0; 50; 13Alp Ari ; 2.01; 4250;occ; 80; 0;40175
5; 2521.7; 05-NOV-2009 17:45:24; Bright; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;40175
6; 2644.8; 05-NOV-2009 17:47:27; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;40175
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14; 6078.5; 05-NOV-2009 20:25:16; Dark ; 52.5; 65; Lam Vel ; 2.20; 4400;occ; 105; 0;40176
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16; 6319.2; 05-NOV-2009 20:29:17; Dark ; 52.0; 70; Zet Pup ; 2.25; 39000;occ; 104; 0;40176
17; 6448.4; 05-NOV-2009 20:31:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40176
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8; 1164.9; 06-NOV-2009 05:06:58; Dark ; 39.5; 157; The1Eri ; 2.91; 9300;occ; 79; 0;40182

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3; 2263.3; 08-NOV-2009 11:04:26; Bright; 37.0; 105; 6Bet Ari ; 2.64; 8900;occ; 74; 0;40214
4; 2514.5; 08-NOV-2009 11:08:37; Bright; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;40214
5; 2638.0; 08-NOV-2009 11:10:41; Bright; 39.0; 73; 57Gam1And ; 2.26; 13100;occ; 78; 0;40214
6; 2860.6; 08-NOV-2009 11:14:24; Bright; 43.0; 35; 33Alp Per ; 1.79; 6250;occ; 86; 0;40214
7; 3899.5; 08-NOV-2009 11:31:42; Bright; 39.5; 36; 50Alp UMa ; 1.80; 6300;occ; 79; 0;40214
8; 3997.3; 08-NOV-2009 11:33:20; Bright; 40.0; 82; 48Bet UMa ; 2.37; 10600;occ; 80; 0;40214
9; 4228.6; 08-NOV-2009 11:37:12; Bright; 42.5; 174; 52Psi UMa ; 3.00; 4400;occ; 85; 0;40214
10; 4775.4; 08-NOV-2009 11:46:18; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;40214
11; 6171.6; 08-NOV-2009 12:09:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40214
12; 6335.2; 08-NOV-2009 12:12:18; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;40214
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3; 2263.0; 08-NOV-2009 12:45:02; Bright; 37.0; 105; 6Bet Ari ; 2.64; 8900;occ; 74; 0;40215
4; 2514.4; 08-NOV-2009 12:49:13; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;40215
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9; 4228.6; 08-NOV-2009 13:17:47; Bright; 43.0; 174; 52Psi UMa ; 3.00; 4400;occ; 86; 0;40215
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4; 2513.9; 08-NOV-2009 16:10:25; Bright; 37.5; 173; 4Bet Tri ; 3.00; 8900;occ; 75; 0;40217
5; 2637.7; 08-NOV-2009 16:12:28; Bright; 38.0; 73; 57Gam1And ; 2.26; 13100;occ; 76; 0;40217
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9; 4228.4; 08-NOV-2009 16:38:59; Bright; 43.0; 174; 52Psi UMa ; 3.00; 4400;occ; 86; 0;40217
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5; 2637.4; 08-NOV-2009 17:53:04; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;40218
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9; 4228.4; 08-NOV-2009 18:19:35; Bright; 43.0; 174; 52Psi UMa ; 3.00; 4400;occ; 86; 0;40218
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5; 2628.8; 19-NOV-2009 12:05:08; Bright; 39.0; 79; 26Bet Per ; 2.31; 13100;occ; 78; 0;40372
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7; 3869.2; 19-NOV-2009 12:25:48; Bright; 42.5; 36; 50Alp UMa ; 1.80; 6300;occ; 85; 0;40372
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21; 7148.7; 19-NOV-2009 13:20:27; Dark ; 50.0; 108; Alp Col ; 2.65; 15200;occ; 100; 0;40372

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 18; 6418.3; 19-NOV-2009 14:48:53; Dark ; 45.0; 41; Eps Car ; 1.86; 4100;occ; 90; 0;40373
 19; 6562.1; 19-NOV-2009 14:51:17; Dark ; 52.0; 70; Zet Pup ; 2.25; 39000;occ; 104; 0;40373
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 5; 2628.3; 19-NOV-2009 15:26:19; Bright; 38.0; 79; 26Bet Per ; 2.31; 13100;occ; 76; 0;40374
 6; 2785.7; 19-NOV-2009 15:28:56; Bright; 39.5; 175; 39Del Per ; 3.01; 19400;occ; 79; 0;40374
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 9; 4051.8; 19-NOV-2009 15:50:02; Bright; 38.5; 87; 64Gam UMA ; 2.43; 11000;occ; 77; 0;40374
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 11; 4335.2; 19-NOV-2009 15:54:46; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;40374
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 13; 5043.7; 19-NOV-2009 16:06:34; Bright; 37.0; 121; 29Gam Vir ; 2.74; 7200;occ; 74; 0;40374
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 16; 6007.0; 19-NOV-2009 16:22:38; Dark ; 40.0; 113; Mu Vel ; 2.69; 5000;occ; 80; 0;40374
 17; 6304.8; 19-NOV-2009 16:27:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40374
 18; 6419.2; 19-NOV-2009 16:29:30; Dark ; 45.0; 41; Eps Car ; 1.86; 4100;occ; 90; 0;40374
 19; 6563.4; 19-NOV-2009 16:31:54; Dark ; 52.0; 70; Zet Pup ; 2.25; 39000;occ; 104; 0;40374
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 21; 7149.8; 19-NOV-2009 16:41:40; Dark ; 51.0; 108; Alp Col ; 2.65; 15200;occ; 102; 0;40374

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 7; 3868.8; 19-NOV-2009 17:27:35; Bright; 39.5; 36; 50Alp UMA ; 1.80; 6300;occ; 79; 0;40375
 8; 3967.4; 19-NOV-2009 17:29:14; Bright; 43.5; 82; 48Bet UMA ; 2.37; 10600;occ; 87; 0;40375
 9; 4051.3; 19-NOV-2009 17:30:38; Bright; 41.5; 87; 64Gam UMA ; 2.43; 11000;occ; 83; 0;40375
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 11; 4335.3; 19-NOV-2009 17:35:22; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;40375
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 13; 5043.7; 19-NOV-2009 17:47:10; Bright; 55.0; 121; 29Gam Vir ; 2.74; 7200;occ; 110; 0;40375
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 15; 5446.6; 19-NOV-2009 17:53:53; Dark ; 44.0; 171; 2Eps Crv ; 3.00; 4250;occ; 88; 0;40375
 16; 6007.7; 19-NOV-2009 18:03:14; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40375
 17; 6305.7; 19-NOV-2009 18:08:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40375
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3; 1973.6; 23-NOV-2009 19:51:20; Dark ; 46.0; 94; 92Alp Cet ; 2.53; 3100;occ; 92; 0;40434
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5; 2501.3; 23-NOV-2009 20:00:07; Bright; 41.5; 150; 44Zet Per ; 2.89; 28000;occ; 83; 0;40434
6; 2616.1; 23-NOV-2009 20:02:02; Bright; 37.5; 79; 26Bet Per ; 2.31; 13100;occ; 75; 0;40434
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21; 5068.3; 23-NOV-2009 22:23:30; Bright; 37.0; 121; 29Gam Vir ; 2.74; 7200;occ; 74; 0;40435
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7;	750.7;	23-NOV-2009	22:52:08;	Dark	;	57.5;	2;	Alp Car	;	-0.74;	7000;occ;	115;	0;	40436
8;	1146.3;	23-NOV-2009	22:58:44;	Dark	;	49.0;	108;	Alp Col	;	2.65;	15200;occ;	98;	0;	40436
9;	1649.0;	23-NOV-2009	23:07:07;	Dark	;	45.5;	165;	34Gam Eri	;	2.95;	3200;occ;	91;	0;	40436
10;	1973.5;	23-NOV-2009	23:12:31;	Dark	;	45.0;	94;	92Alp Cet	;	2.53;	3100;occ;	90;	0;	40436
11;	2351.0;	23-NOV-2009	23:18:49;	Bright;		39.5;	146;	25Eta Tau	;	2.87;	15200;occ;	79;	0;	40436
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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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
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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
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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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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
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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
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17;	6453.4;	23-NOV-2009	11:02:24;	Dark	;	42.5;	41;	Eps Car	;	1.86;	4100;occ;	85;	0;	40428
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 15; 4899.7; 28-NOV-2009 14:40:48; Bright; 56.5; 62; 94Bet Leo ; 2.14; 9700;occ; 113; 0;40502
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 23; 6925.4; 28-NOV-2009 15:14:33; Dark ; 58.0; 117; Pi Pup ; 2.71; 3800;occ; 116; 0;40502
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 3; 1144.8; 30-NOV-2009 19:17:22; Dark ; 69.5; 23; 21Eps CMa ; 1.50; 26000;occ; 139; 0;40534
 4; 1535.2; 30-NOV-2009 19:23:53; Dark ; 55.5; 101; 11Alp Lep ; 2.58; 7000;occ; 111; 0;40534
 5; 1752.4; 30-NOV-2009 19:27:30; Dark ; 59.0; 7; 19Bet Ori ; 0.10; 14000;occ; 118; 0;40534
 6; 1934.6; 30-NOV-2009 19:30:32; Dark ; 57.0; 30; 46Eps Ori ; 1.69; 30000;occ; 114; 0;40534
 7; 2098.2; 30-NOV-2009 19:33:16; Dark ; 63.5; 27; 24Gam Ori ; 1.64; 26000;occ; 127; 0;40534
 8; 2233.3; 30-NOV-2009 19:35:31; Bright; 52.5; 13; 87Alp Tau ; 0.87; 3800;occ; 105; 0;40534
 9; 2329.0; 30-NOV-2009 19:37:07; Bright; 39.0; 146; 25Eta Tau ; 2.87; 15200;occ; 78; 0;40534
10; 2471.4; 30-NOV-2009 19:39:29; Bright; 38.5; 150; 44Zet Per ; 2.89; 28000;occ; 77; 0;40534
11; 2617.3; 30-NOV-2009 19:41:55; Bright; 37.5; 149; 45Eps Per ; 2.89; 30000;occ; 75; 0;40534
12; 2850.1; 30-NOV-2009 19:45:48; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;40534
13; 2960.6; 30-NOV-2009 19:47:38; Bright; 52.5; 42; 34Bet Aur ; 1.90; 10200;occ; 105; 0;40534
14; 3822.4; 30-NOV-2009 20:02:00; Bright; 49.5; 36; 50Alp UMa ; 1.80; 6300;occ; 99; 0;40534
15; 3918.6; 30-NOV-2009 20:03:36; Bright; 48.5; 82; 48Bet UMa ; 2.37; 10600;occ; 97; 0;40534
16; 4014.9; 30-NOV-2009 20:05:12; Bright; 37.5; 32; 77Eps UMa ; 1.76; 11000;occ; 75; 0;40534
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