

# GOMOS Daily Report 27-NOV-2009

## Level 0 and Level 1 products

### SUMMARY

#### [1. General Info](#)

#### [2. Summary of products arrived in PCF \(Product Control Facility\)](#)

[2.1 Level 0: products arrived in PCF during current month \(see template here\)](#)

[2.2 Level 0: plot of mission plan versus production during reporting period](#)

[2.3 Level 0: summary of missing occultations with respect to the plan](#)

[2.4 Level 1: products arrived in PCF during reporting period](#)

#### [3. Plot of Spectrometers and Photometers temperatures](#)

#### [4. Dark Charge monitoring](#)

[4.1 Products that did not use the Dark Sky Area observation for DC computation](#)

[4.2 Plot of Dark Charge](#)

#### [5. Demodulation correction and quality product information monitoring](#)

[5.1 Percentage of products with some flags set](#)

[5.2 Plot of quality information per product \(time dependant\)](#)

[5.3 Plot of quality information per product \(world map\)](#)

#### [6. Star tangent altitude lost](#)

[6.1 Statistics on star tangent altitude lost](#)

[6.2 Plot of star tangent altitude lost: DARK products](#)

[6.3 Plot of star tangent altitude lost: BRIGHT products](#)

[6.3 Plot of star tangent altitude lost: TWILIGHT products](#)

#### [7. Star Acquisition and Tracking Unit \(SATU\)](#)

[7.1 SATU plots \(dark limb\): 'X' and 'Y' axis](#)

[7.2 SATU Noise Equivalent Angle statistics](#)

[7.2.1 SATU NEA Statistics \(table\)](#)

[7.2.2 Daily SATU NEA STD \(dark limb\) - trend since 1st April 2006](#)

[8. Auxiliary Data Files used for the production reported in section 2.4](#)

## [Level 2 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	30NOV2009 09:02:40
Data source version	GOMOS/5.00L04
Start time of products	27NOV2009 00:35:11
Stop time of products	27NOV2009 23:45:47
Store outputs in DB	Yes
Nb of level 1b prods	119
Nb of prods with errors	0

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

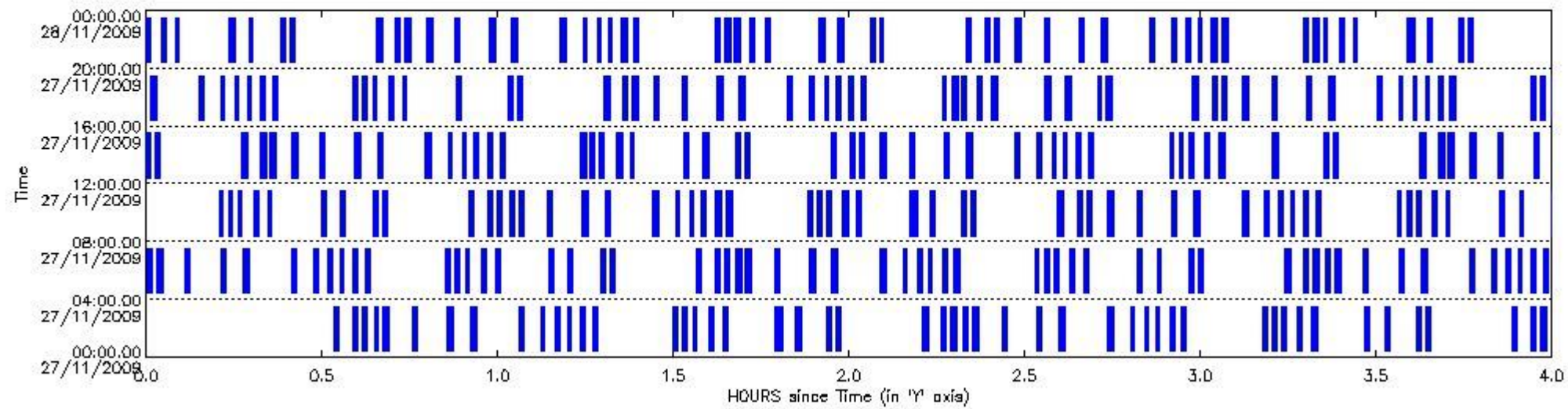
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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

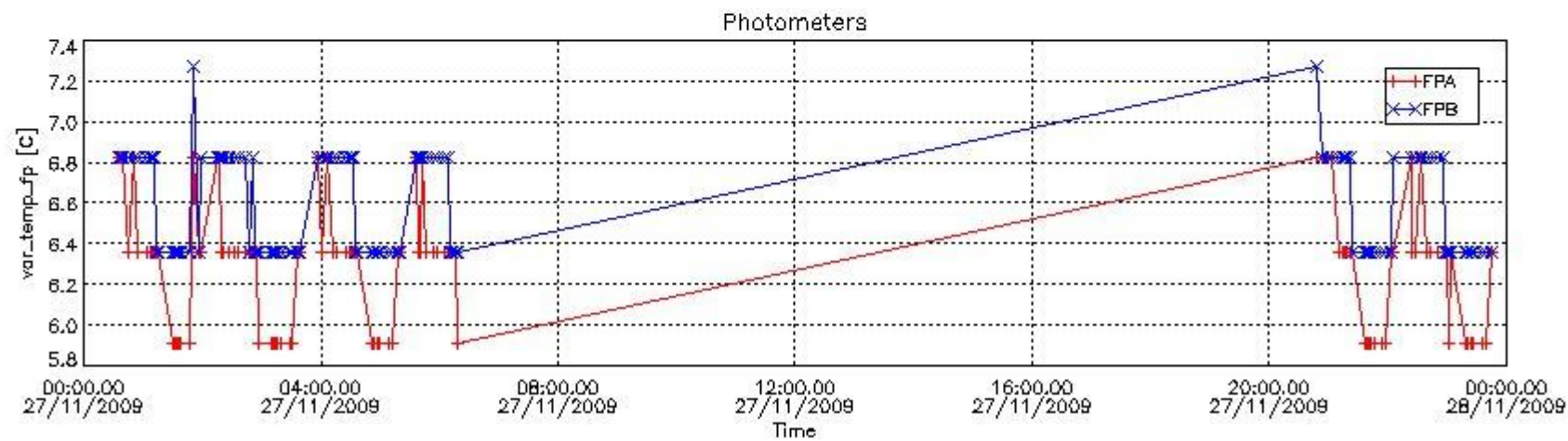
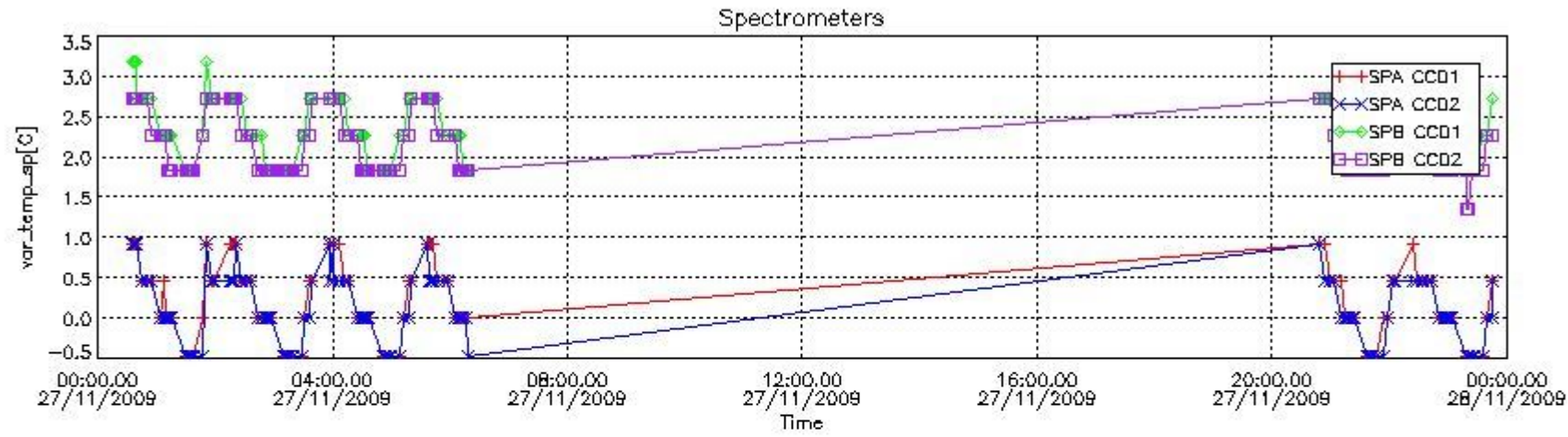
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20091127_003511_000000532084_00346_40480_4776.N1	27-NOV-2009 00:35:11	Dark	53.000	34	Gam2Vel	1.7930	23000.	106	40480	No
2	GOM_TRA_1PNPDE20091127_003647_000000562084_00346_40480_4777.N1	27-NOV-2009 00:36:47	Dark	55.500	70	Zet Pup	2.2460	39000.	111	40480	No
3	GOM_TRA_1PNPDE20091127_003854_000000472084_00346_40480_4778.N1	27-NOV-2009 00:38:54	Dark	46.500	2	Alp Car	-0.73600	7000.0	93	40480	No
4	GOM_TRA_1PNPDE20091127_004026_000000582084_00346_40480_4779.N1	27-NOV-2009 00:40:26	Dark	57.500	117	Pi Pup	2.7060	3800.0	115	40480	No
5	GOM_TRA_1PNPDE20091127_004525_000000492084_00346_40480_4780.N1	27-NOV-2009 00:45:25	Dark	48.500	108	Alp Col	2.6520	15200.	97	40480	No
6	GOM_TRA_1PNPDE20091127_005125_000000592084_00346_40480_4781.N1	27-NOV-2009 00:51:25	Straylight	58.500	101	11Alp Lep	2.5820	7000.0	117	40480	No
7	GOM_TRA_1PNPDE20091127_005516_000000622084_00346_40480_4782.N1	27-NOV-2009 00:55:16	Straylight	62.000	7	19Bet Ori	0.10000	14000.	124	40480	No
8	GOM_TRA_1PNPDE20091127_010333_000000572084_00346_40480_4783.N1	27-NOV-2009 01:03:33	Bright	56.500	13	87Alp Tau	0.86700	3800.0	113	40480	No
9	GOM_TRA_1PNPDE20091127_010724_000000412084_00346_40480_4784.N1	27-NOV-2009 01:07:24	Bright	40.500	150	44Zet Per	2.8900	28000.	81	40480	No
10	GOM_TRA_1PNPDE20091127_010951_000000382084_00346_40480_4785.N1	27-NOV-2009 01:09:51	Bright	38.000	149	45Eps Per	2.8880	30000.	76	40480	No
11	GOM_TRA_1PNPDE20091127_011149_000000372084_00346_40480_4786.N1	27-NOV-2009 01:11:49	Bright	37.000	175	39Del Per	3.0100	19400.	74	40480	No
12	GOM_TRA_1PNPDE20091127_011406_000000552084_00346_40480_4787.N1	27-NOV-2009 01:14:06	Bright	54.500	6	13Alp Aur	0.080000	3400.0	109	40480	No

13	GOM_TRA_1PNPDE20091127_011613_000000492084_00346_40480_4788.N1	27-NOV-2009 01:16:13	Bright	49.000	42	34Bet Aur	1.9000	10200.	98	40480	No
14	GOM_TRA_1PNPDE20091127_012958_000000442084_00346_40480_4789.N1	27-NOV-2009 01:29:58	Bright	43.500	36	50Alp UMa	1.8000	6300.0	87	40480	No
15	GOM_TRA_1PNPDE20091127_013135_000000462084_00346_40480_4790.N1	27-NOV-2009 01:31:35	Bright	45.500	82	48Bet UMa	2.3650	10600.	91	40480	No
16	GOM_TRA_1PNPDE20091127_013315_000000422084_00346_40480_4791.N1	27-NOV-2009 01:33:15	Bright	41.500	87	64Gam UMa	2.4330	11000.	83	40480	No
17	GOM_TRA_1PNPDE20091127_013558_000000542084_00346_40480_4792.N1	27-NOV-2009 01:35:58	Bright	54.000	174	52Psi UMa	3.0040	4400.0	108	40480	No
18	GOM_TRA_1PNPDE20091127_013822_000000572084_00346_40480_4793.N1	27-NOV-2009 01:38:22	Bright	57.000	152	12Alp2CVn	2.8900	11000.	114	40480	No
19	GOM_TRA_1PNPDE20091127_014725_000000702084_00346_40480_4794.N1	27-NOV-2009 01:47:25	Bright	70.000	62	94Bet Leo	2.1360	9700.0	140	40480	No
20	GOM_TRA_1PNPDE20091127_015047_000000592084_00346_40480_4797.N1	27-NOV-2009 01:50:47	Bright	59.000	121	29Gam Vir	2.7400	7200.0	118	40480	No
21	GOM_TRA_1PNPDE20091127_015615_000000482084_00346_40480_4798.N1	27-NOV-2009 01:56:15	Tw_i_and_stray	47.500	100	4Gam Crv	2.5800	13100.	95	40480	No
22	GOM_TRA_1PNPDE20091127_015750_000000492084_00346_40480_4799.N1	27-NOV-2009 01:57:50	Dark	49.000	171	2Eps Crv	3.0010	4250.0	98	40480	No
23	GOM_TRA_1PNPDE20091127_021548_000000512084_00347_40481_4800.N1	27-NOV-2009 02:15:48	Dark	50.500	34	Gam2Vel	1.7930	23000.	101	40481	No
24	GOM_TRA_1PNPDE20091127_021724_000000582084_00347_40481_4801.N1	27-NOV-2009 02:17:24	Dark	58.000	70	Zet Pup	2.2460	39000.	116	40481	No
25	GOM_TRA_1PNPDE20091127_021930_000000522084_00347_40481_4802.N1	27-NOV-2009 02:19:30	Dark	51.500	2	Alp Car	-0.73600	7000.0	103	40481	No
26	GOM_TRA_1PNPDE20091127_022103_000000602084_00347_40481_4803.N1	27-NOV-2009 02:21:03	Dark	60.000	117	Pi Pup	2.7060	3800.0	120	40481	No
27	GOM_TRA_1PNPDE20091127_022602_000000502084_00347_40481_4804.N1	27-NOV-2009 02:26:02	Dark	49.500	108	Alp Col	2.6520	15200.	99	40481	No
28	GOM_TRA_1PNPDE20091127_023201_000000582084_00347_40481_4805.N1	27-NOV-2009 02:32:01	Straylight	57.500	101	11Alp Lep	2.5820	7000.0	115	40481	No
29	GOM_TRA_1PNPDE20091127_023551_000000662084_00347_40481_4806.N1	27-NOV-2009 02:35:51	Straylight	66.000	7	19Bet Ori	0.10000	14000.	132	40481	No
30	GOM_TRA_1PNPDE20091127_024408_000000572084_00347_40481_4807.N1	27-NOV-2009 02:44:08	Bright	56.500	13	87Alp Tau	0.86700	3800.0	113	40481	No
31	GOM_TRA_1PNPDE20091127_024759_000000402084_00347_40481_4808.N1	27-NOV-2009 02:47:59	Bright	40.000	150	44Zet Per	2.8900	28000.	80	40481	No
32	GOM_TRA_1PNPDE20091127_025027_000000402084_00347_40481_4809.N1	27-NOV-2009 02:50:27	Bright	40.000	149	45Eps Per	2.8880	30000.	80	40481	No
33	GOM_TRA_1PNPDE20091127_025224_000000382084_00347_40481_4810.N1	27-NOV-2009 02:52:24	Bright	37.500	175	39Del Per	3.0100	19400.	75	40481	No
34	GOM_TRA_1PNPDE20091127_025441_000000512084_00347_40481_4811.N1	27-NOV-2009 02:54:41	Bright	50.500	6	13Alp Aur	0.080000	3400.0	101	40481	No
35	GOM_TRA_1PNPDE20091127_025648_000000492084_00347_40481_4812.N1	27-NOV-2009 02:56:48	Bright	49.000	42	34Bet Aur	1.9000	10200.	98	40481	No
36	GOM_TRA_1PNPDE20091127_031034_000000452084_00347_40481_4813.N1	27-NOV-2009 03:10:34	Bright	45.000	36	50Alp UMa	1.8000	6300.0	90	40481	No
37	GOM_TRA_1PNPDE20091127_031211_000000492084_00347_40481_4823.N1	27-NOV-2009 03:12:11	Bright	49.000	82	48Bet UMa	2.3650	10600.	98	40481	No
38	GOM_TRA_1PNPDE20091127_031350_000000432084_00347_40481_4824.N1	27-NOV-2009 03:13:50	Bright	43.000	87	64Gam UMa	2.4330	11000.	86	40481	No
39	GOM_TRA_1PNPDE20091127_031634_000000492084_00347_40481_4825.N1	27-NOV-2009 03:16:34	Bright	49.000	174	52Psi UMa	3.0040	4400.0	98	40481	No
40	GOM_TRA_1PNPDE20091127_031858_000000572084_00347_40481_4826.N1	27-NOV-2009 03:18:58	Bright	57.000	152	12Alp2CVn	2.8900	11000.	114	40481	No
41	GOM_TRA_1PNPDE20091127_032801_000000512084_00347_40481_4827.N1	27-NOV-2009 03:28:01	Bright	51.000	62	94Bet Leo	2.1360	9700.0	102	40481	No
42	GOM_TRA_1PNPDE20091127_033124_000000592084_00347_40481_4828.N1	27-NOV-2009 03:31:24	Bright	59.000	121	29Gam Vir	2.7400	7200.0	118	40481	No
43	GOM_TRA_1PNPDE20091127_033652_000000482084_00347_40481_4829.N1	27-NOV-2009 03:36:52	Tw_i_and_stray	47.500	100	4Gam Crv	2.5800	13100.	95	40481	No
44	GOM_TRA_1PNPDE20091127_033827_000000472084_00347_40481_4830.N1	27-NOV-2009 03:38:27	Dark	47.000	171	2Eps Crv	3.0010	4250.0	94	40481	No
45	GOM_TRA_1PNPDE20091127_035625_000000492084_00348_40482_4831.N1	27-NOV-2009 03:56:25	Dark	49.000	34	Gam2Vel	1.7930	23000.	98	40482	No
46	GOM_TRA_1PNPDE20091127_035801_000000602084_00348_40482_4832.N1	27-NOV-2009 03:58:01	Dark	59.500	70	Zet Pup	2.2460	39000.	119	40482	No
47	GOM_TRA_1PNPDE20091127_040007_000000482084_00348_40482_4833.N1	27-NOV-2009 04:00:07	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	40482	No
48	GOM_TRA_1PNPDE20091127_040140_000000662084_00348_40482_4834.N1	27-NOV-2009 04:01:40	Dark	66.000	117	Pi Pup	2.7060	3800.0	132	40482	No
49	GOM_TRA_1PNPDE20091127_040638_000000502084_00348_40482_4835.N1	27-NOV-2009 04:06:38	Dark	49.500	108	Alp Col	2.6520	15200.	99	40482	No
50	GOM_TRA_1PNPDE20091127_041238_000000572084_00348_40482_4836.N1	27-NOV-2009 04:12:38	Straylight	56.500	101	11Alp Lep	2.5820	7000.0	113	40482	No
51	GOM_TRA_1PNPDE20091127_041628_000000642084_00348_40482_4837.N1	27-NOV-2009 04:16:28	Straylight	64.000	7	19Bet Ori	0.10000	14000.	128	40482	No
52	GOM_TRA_1PNPDE20091127_042444_000000562084_00348_40482_4838.N1	27-NOV-2009 04:24:44	Bright	56.000	13	87Alp Tau	0.86700	3800.0	112	40482	No
53	GOM_TRA_1PNPDE20091127_042835_000000392084_00348_40482_4839.N1	27-NOV-2009 04:28:35	Bright	39.000	150	44Zet Per	2.8900	28000.	78	40482	No
54	GOM_TRA_1PNPDE20091127_043102_000000412084_00348_40482_4840.N1	27-NOV-2009 04:31:02	Bright	40.500	149	45Eps Per	2.8880	30000.	81	40482	No
55	GOM_TRA_1PNPDE20091127_043301_000000382084_00348_40482_4841.N1	27-NOV-2009 04:33:01	Bright	37.500	175	39Del Per	3.0100	19400.	75	40482	No
56	GOM_TRA_1PNPDE20091127_043517_000000532084_00348_40482_4842.N1	27-NOV-2009 04:35:17	Bright	53.000	6	13Alp Aur	0.080000	3400.0	106	40482	No
57	GOM_TRA_1PNPDE20091127_043724_000000532084_00348_40482_4843.N1	27-NOV-2009 04:37:24	Bright	52.500	42	34Bet Aur	1.9000	10200.	105	40482	No
58	GOM_TRA_1PNPDE20091127_045109_000000482084_00348_40482_4849.N1	27-NOV-2009 04:51:09	Bright	47.500	36	50Alp UMa	1.8000	6300.0	95	40482	No
59	GOM_TRA_1PNPDE20091127_045247_000000482084_00348_40482_4850.N1	27-NOV-2009 04:52:47	Bright	48.000	82	48Bet UMa	2.3650	10600.	96	40482	No
60	GOM_TRA_1PNPDE20091127_045426_000000432084_00348_40482_4851.N1	27-NOV-2009 04:54:26	Bright	43.000	87	64Gam UMa	2.4330	11000.	86	40482	No
61	GOM_TRA_1PNPDE20091127_045710_000000512084_00348_40482_4852.N1	27-NOV-2009 04:57:10	Bright	51.000	174	52Psi UMa	3.0040	4400.0	102	40482	No
62	GOM_TRA_1PNPDE20091127_045934_000000572084_00348_40482_4853.N1	27-NOV-2009 04:59:34	Bright	57.000	152	12Alp2CVn	2.8900	11000.	114	40482	No
63	GOM_TRA_1PNPDE20091127_050838_000000532084_00348_40482_4854.N1	27-NOV-2009 05:08:38	Bright	53.000	62	94Bet Leo	2.1360	9700.0	106	40482	No
64	GOM_TRA_1PNPDE20091127_051200_000000412084_00348_40482_4855.N1	27-NOV-2009 05:12:00	Bright	41.000	121	29Gam Vir	2.7400	7200.0	82	40482	No
65	GOM_TRA_1PNPDE20091127_051729_000000482084_00348_40482_4856.N1	27-NOV-2009 05:17:29	Tw_i_and_stray	47.500	100	4Gam Crv	2.5800	13100.	95	40482	No
66	GOM_TRA_1PNPDE20091127_051904_000000492084_00348_40482_4857.N1	27-NOV-2009 05:19:04	Dark	48.500	171	2Eps Crv	3.0010	4250.0	97	40482	No
67	GOM_TRA_1PNPDE20091127_053702_000000492084_00349_40483_4858.N1	27-NOV-2009 05:37:02	Dark	49.000	34	Gam2Vel	1.7930	23000.	98	40483	No
68	GOM_TRA_1PNPDE20091127_053838_000000552084_00349_40483_4859.N1	27-NOV-2009 05:38:38	Dark	55.000	70	Zet Pup	2.2460	39000.	110	40483	No
69	GOM_TRA_1PNPDE20091127_054044_000000512084_00349_40483_4860.N1	27-NOV-2009 05:40:44	Dark	50.500	2	Alp Car	-0.73600	7000.0	101	40483	No
70	GOM_TRA_1PNPDE20091127_054217_000000632084_00349_40483_4861.N1	27-NOV-2009 05:42:17	Dark	62.500	117	Pi Pup	2.7060	3800.0	125	40483	No
71	GOM_TRA_1PNPDE20091127_054715_000000492084_00349_40483_4862.N1	27-NOV-2009 05:47:15	Dark	48.500	108	Alp Col	2.6520	15200.	97	40483	No

72	GOM_TRA_1PNPDE20091127_055314_000000572084_00349_40483_4863.N1	27-NOV-2009 05:53:14	Straylight	57.000	101	11Alp Lep	2.5820	7000.0	114	40483	No
73	GOM_TRA_1PNPDE20091127_055704_000000642084_00349_40483_4864.N1	27-NOV-2009 05:57:04	Straylight	63.500	7	19Bet Ori	0.10000	14000.	127	40483	No
74	GOM_TRA_1PNPDE20091127_060519_000000552084_00349_40483_4865.N1	27-NOV-2009 06:05:19	Bright	55.000	13	87Alp Tau	0.86700	3800.0	110	40483	No
75	GOM_TRA_1PNPDE20091127_060911_000000402084_00349_40483_4866.N1	27-NOV-2009 06:09:11	Bright	40.000	150	44Zet Per	2.8900	28000.	80	40483	No
76	GOM_TRA_1PNPDE20091127_061138_000000582084_00349_40483_4867.N1	27-NOV-2009 06:11:38	Bright	58.000	149	45Eps Per	2.8880	30000.	116	40483	No
77	GOM_TRA_1PNPDE20091127_061336_000000382084_00349_40483_4868.N1	27-NOV-2009 06:13:36	Bright	37.500	175	39Del Per	3.0100	19400.	75	40483	No
78	GOM_TRA_1PNPDE20091127_061552_000000492084_00349_40483_4869.N1	27-NOV-2009 06:15:52	Bright	49.000	6	13Alp Aur	0.080000	3400.0	98	40483	No
79	GOM_TRA_1PNPDE20091127_061758_000000532084_00349_40483_4870.N1	27-NOV-2009 06:17:58	Bright	52.500	42	34Bet Aur	1.9000	10200.	105	40483	No
80	GOM_TRA_1PNPDE20091127_204748_000000632084_00358_40492_4983.N1	27-NOV-2009 20:47:48	Dark	63.000	117	Pi Pup	2.7060	3800.0	126	40492	No
81	GOM_TRA_1PNPDE20091127_205242_000000482084_00358_40492_4984.N1	27-NOV-2009 20:52:42	Dark	48.000	108	Alp Col	2.6520	15200.	96	40492	No
82	GOM_TRA_1PNPDE20091127_205838_000000582084_00358_40492_4985.N1	27-NOV-2009 20:58:38	Straylight	58.000	101	11Alp Lep	2.5820	7000.0	116	40492	No
83	GOM_TRA_1PNPDE20091127_210226_000000632084_00358_40492_4986.N1	27-NOV-2009 21:02:26	Straylight	62.500	7	19Bet Ori	0.10000	14000.	125	40492	No
84	GOM_TRA_1PNPDE20091127_211039_000000562084_00358_40492_4987.N1	27-NOV-2009 21:10:39	Bright	55.500	13	87Alp Tau	0.86700	3800.0	111	40492	No
85	GOM_TRA_1PNPDE20091127_211431_000000402084_00358_40492_4988.N1	27-NOV-2009 21:14:31	Bright	40.000	150	44Zet Per	2.8900	28000.	80	40492	No
86	GOM_TRA_1PNPDE20091127_211658_000000392084_00358_40492_4989.N1	27-NOV-2009 21:16:58	Bright	39.000	149	45Eps Per	2.8880	30000.	78	40492	No
87	GOM_TRA_1PNPDE20091127_211857_000000372084_00358_40492_4990.N1	27-NOV-2009 21:18:57	Bright	37.000	175	39Del Per	3.0100	19400.	74	40492	No
88	GOM_TRA_1PNPDE20091127_212108_000000542084_00358_40492_4991.N1	27-NOV-2009 21:21:08	Bright	54.000	6	13Alp Aur	0.080000	3400.0	108	40492	No
89	GOM_TRA_1PNPDE20091127_212312_000000542084_00358_40492_4992.N1	27-NOV-2009 21:23:12	Bright	54.000	42	34Bet Aur	1.9000	10200.	108	40492	No
90	GOM_TRA_1PNPDE20091127_213705_000000502084_00358_40492_4993.N1	27-NOV-2009 21:37:05	Bright	50.000	36	50Alp UMa	1.8000	6300.0	100	40492	No
91	GOM_TRA_1PNPDE20091127_213843_000000662084_00358_40492_4994.N1	27-NOV-2009 21:38:43	Bright	66.000	82	48Bet UMa	2.3650	10600.	132	40492	No
92	GOM_TRA_1PNPDE20091127_214024_000000612084_00358_40492_4995.N1	27-NOV-2009 21:40:24	Bright	61.000	87	64Gam UMa	2.4330	11000.	122	40492	No
93	GOM_TRA_1PNPDE20091127_214307_000000512084_00358_40492_4996.N1	27-NOV-2009 21:43:07	Bright	50.500	174	52Psi UMa	3.0040	4400.0	101	40492	No
94	GOM_TRA_1PNPDE20091127_214534_000000572084_00358_40492_4997.N1	27-NOV-2009 21:45:34	Bright	57.000	152	12Alp2CVn	2.8900	11000.	114	40492	No
95	GOM_TRA_1PNPDE20091127_215443_000000682084_00358_40492_4998.N1	27-NOV-2009 21:54:43	Bright	68.000	62	94Bet Leo	2.1360	9700.0	136	40492	No
96	GOM_TRA_1PNPDE20091127_215805_000000592084_00358_40492_4999.N1	27-NOV-2009 21:58:05	Bright	58.500	121	29Gam Vir	2.7400	7200.0	117	40492	No
97	GOM_TRA_1PNPDE20091127_220335_000000472084_00358_40492_5001.N1	27-NOV-2009 22:03:35	Tw_i_and_stray	46.500	100	4Gam Crv	2.5800	13100.	93	40492	No
98	GOM_TRA_1PNPDE20091127_220510_000000462084_00358_40492_5002.N1	27-NOV-2009 22:05:10	Dark	45.500	171	2Eps Crv	3.0010	4250.0	91	40492	No
99	GOM_TRA_1PNPDE20091127_222311_000000482084_00359_40493_5003.N1	27-NOV-2009 22:23:11	Dark	48.000	34	Gam2Vel	1.7930	23000.	96	40493	No
100	GOM_TRA_1PNPDE20091127_222448_000000552084_00359_40493_5004.N1	27-NOV-2009 22:24:48	Dark	54.500	70	Zet Pup	2.2460	39000.	109	40493	No
101	GOM_TRA_1PNPDE20091127_222825_000000612084_00359_40493_5005.N1	27-NOV-2009 22:28:25	Dark	61.000	117	Pi Pup	2.7060	3800.0	122	40493	No
102	GOM_TRA_1PNPDE20091127_223318_000000502084_00359_40493_5006.N1	27-NOV-2009 22:33:18	Dark	50.000	108	Alp Col	2.6520	15200.	100	40493	No
103	GOM_TRA_1PNPDE20091127_223914_000000562084_00359_40493_5007.N1	27-NOV-2009 22:39:14	Straylight	56.000	101	11Alp Lep	2.5820	7000.0	112	40493	No
104	GOM_TRA_1PNPDE20091127_224302_000000612084_00359_40493_5008.N1	27-NOV-2009 22:43:02	Straylight	61.000	7	19Bet Ori	0.10000	14000.	122	40493	No
105	GOM_TRA_1PNPDE20091127_225114_000000572084_00359_40493_5009.N1	27-NOV-2009 22:51:14	Bright	57.000	13	87Alp Tau	0.86700	3800.0	114	40493	No
106	GOM_TRA_1PNPDE20091127_225507_000000402084_00359_40493_5010.N1	27-NOV-2009 22:55:07	Bright	40.000	150	44Zet Per	2.8900	28000.	80	40493	No
107	GOM_TRA_1PNPDE20091127_225734_000000382084_00359_40493_5011.N1	27-NOV-2009 22:57:34	Bright	38.000	149	45Eps Per	2.8880	30000.	76	40493	No
108	GOM_TRA_1PNPDE20091127_225933_000000362084_00359_40493_5012.N1	27-NOV-2009 22:59:33	Bright	35.500	175	39Del Per	3.0100	19400.	71	40493	No
109	GOM_TRA_1PNPDE20091127_230144_000000682084_00359_40493_5013.N1	27-NOV-2009 23:01:44	Bright	68.000	6	13Alp Aur	0.080000	3400.0	136	40493	No
110	GOM_TRA_1PNPDE20091127_230347_000000542084_00359_40493_5014.N1	27-NOV-2009 23:03:47	Bright	53.500	42	34Bet Aur	1.9000	10200.	107	40493	No
111	GOM_TRA_1PNPDE20091127_231741_000000462084_00359_40493_5015.N1	27-NOV-2009 23:17:41	Bright	46.000	36	50Alp UMa	1.8000	6300.0	92	40493	No
112	GOM_TRA_1PNPDE20091127_231918_000000662084_00359_40493_5016.N1	27-NOV-2009 23:19:18	Bright	66.000	82	48Bet UMa	2.3650	10600.	132	40493	No
113	GOM_TRA_1PNPDE20091127_232059_000000412084_00359_40493_5017.N1	27-NOV-2009 23:20:59	Bright	40.500	87	64Gam UMa	2.4330	11000.	81	40493	No
114	GOM_TRA_1PNPDE20091127_232343_000000532084_00359_40493_5018.N1	27-NOV-2009 23:23:43	Bright	52.500	174	52Psi UMa	3.0040	4400.0	105	40493	No
115	GOM_TRA_1PNPDE20091127_232610_000000372084_00359_40493_5019.N1	27-NOV-2009 23:26:10	Bright	37.000	152	12Alp2CVn	2.8900	11000.	74	40493	No
116	GOM_TRA_1PNPDE20091127_233519_000000742084_00359_40493_5020.N1	27-NOV-2009 23:35:19	Bright	74.000	62	94Bet Leo	2.1360	9700.0	148	40493	No
117	GOM_TRA_1PNPDE20091127_233841_000000592084_00359_40493_5021.N1	27-NOV-2009 23:38:41	Bright	59.000	121	29Gam Vir	2.7400	7200.0	118	40493	No
118	GOM_TRA_1PNPDE20091127_234412_000000452084_00359_40493_5021.N1	27-NOV-2009 23:44:12	Tw_i_and_stray	45.000	100	4Gam Crv	2.5800	13100.	90	40493	No
119	GOM_TRA_1PNPDE20091127_234547_000000492084_00359_40493_5022.N1	27-NOV-2009 23:45:47	Dark	48.500	171	2Eps Crv	3.0010	4250.0	97	40493	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).

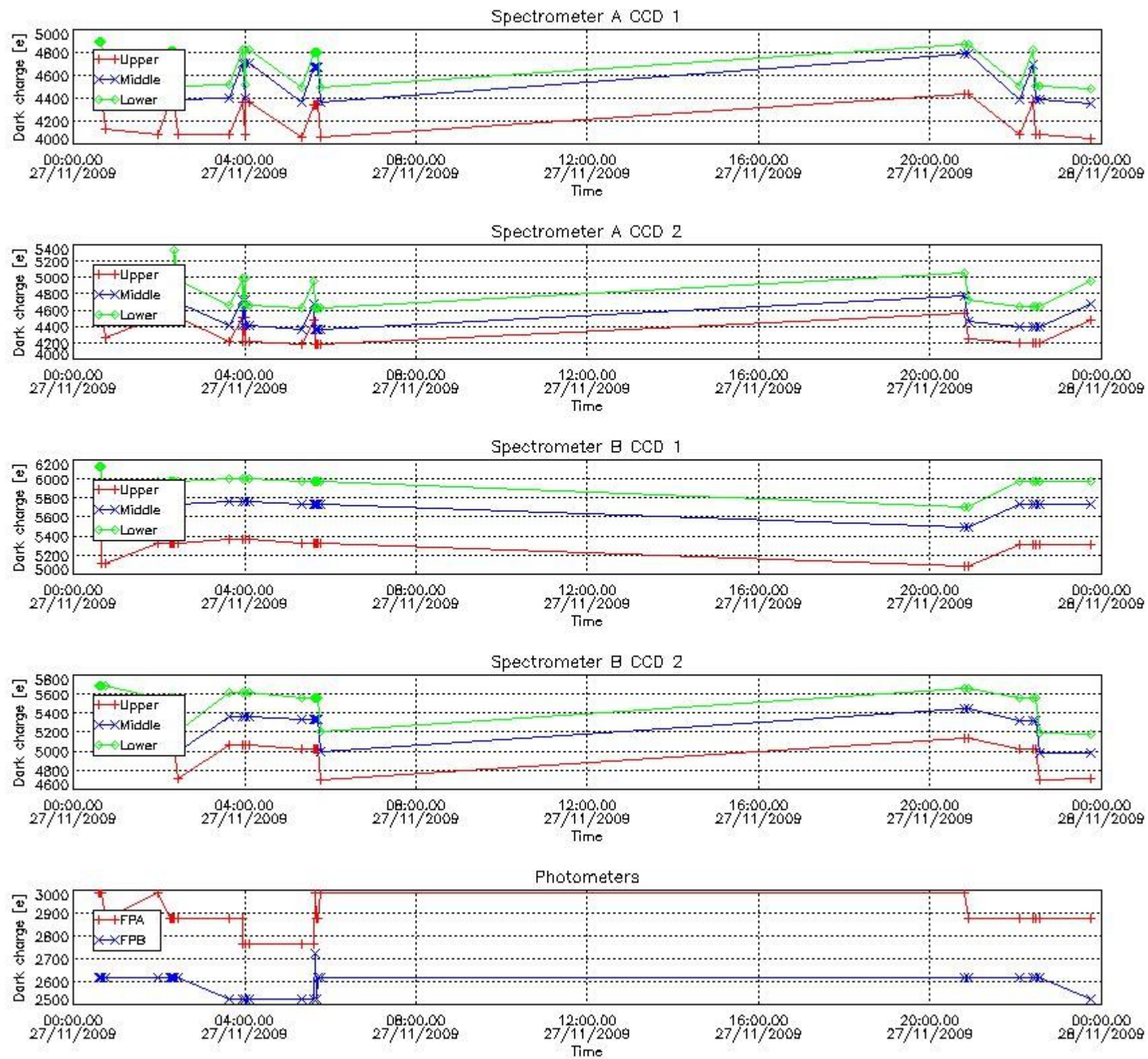
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20091127_204748_000000632084_00358_40492_4983.N1	DC map used
GOM_TRA_1PNPDE20091127_205242_000000482084_00358_40492_4984.N1	DC map used
GOM_TRA_1PNPDE20091127_205838_000000582084_00358_40492_4985.N1	DC map used
GOM_TRA_1PNPDE20091127_210226_000000632084_00358_40492_4986.N1	DC map used
GOM_TRA_1PNPDE20091127_211039_000000562084_00358_40492_4987.N1	DC map used
GOM_TRA_1PNPDE20091127_211431_000000402084_00358_40492_4988.N1	DC map used
GOM_TRA_1PNPDE20091127_211658_000000392084_00358_40492_4989.N1	DC map used
GOM_TRA_1PNPDE20091127_211857_000000372084_00358_40492_4990.N1	DC map used
GOM_TRA_1PNPDE20091127_212108_000000542084_00358_40492_4991.N1	DC map used
GOM_TRA_1PNPDE20091127_212312_000000542084_00358_40492_4992.N1	DC map used
GOM_TRA_1PNPDE20091127_213705_000000502084_00358_40492_4993.N1	DC map used
GOM_TRA_1PNPDE20091127_213843_000000662084_00358_40492_4994.N1	DC map used
GOM_TRA_1PNPDE20091127_214024_000000612084_00358_40492_4995.N1	DC map used
GOM_TRA_1PNPDE20091127_214307_000000512084_00358_40492_4996.N1	DC map used

GOM_TRA_1PNPDE20091127_214534_000000572084_00358_40492_4997.N1	DC map used
GOM_TRA_1PNPDE20091127_215443_000000682084_00358_40492_4998.N1	DC map used
GOM_TRA_1PNPDE20091127_215805_000000592084_00358_40492_4999.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

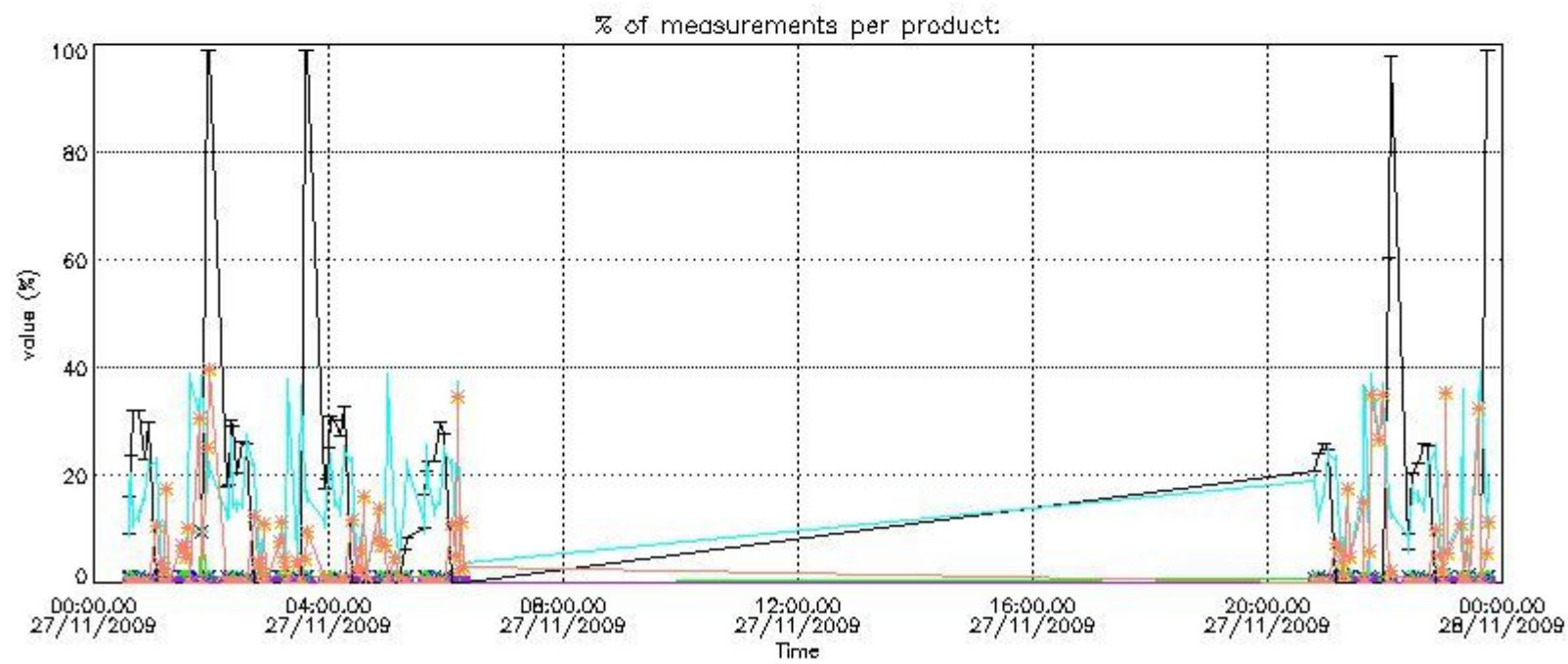
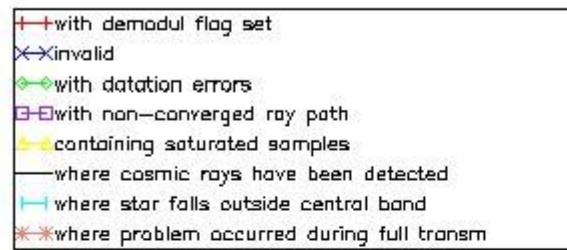
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors

(error flag in the MPH set to "0") are used.

5.1 Percentage of products during reporting period with:

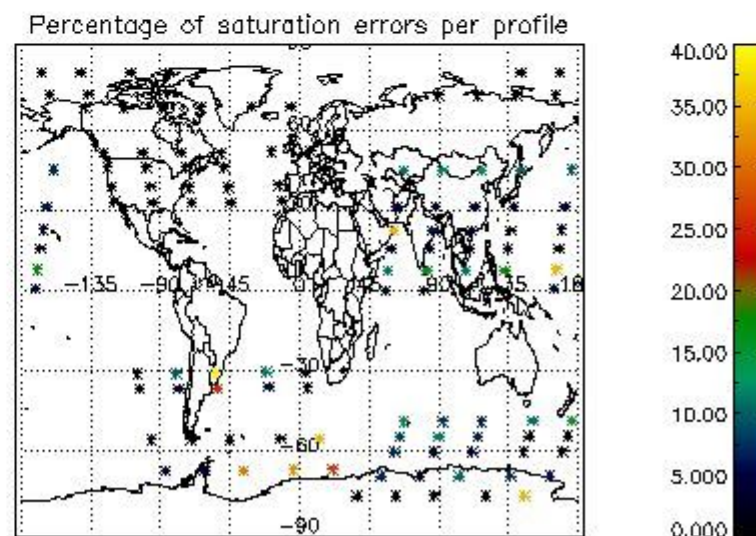
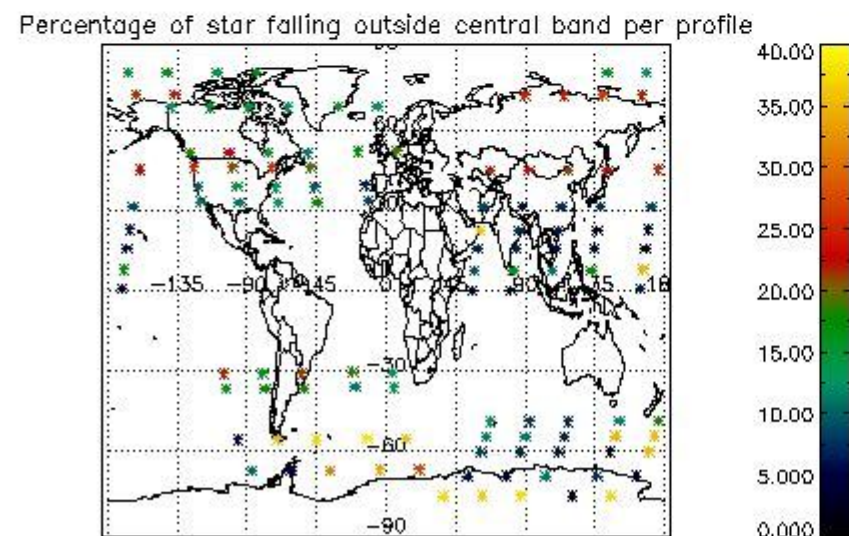
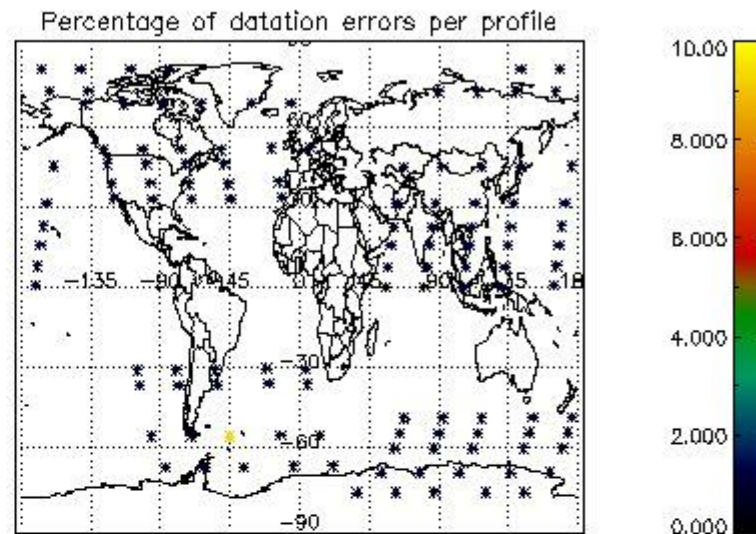
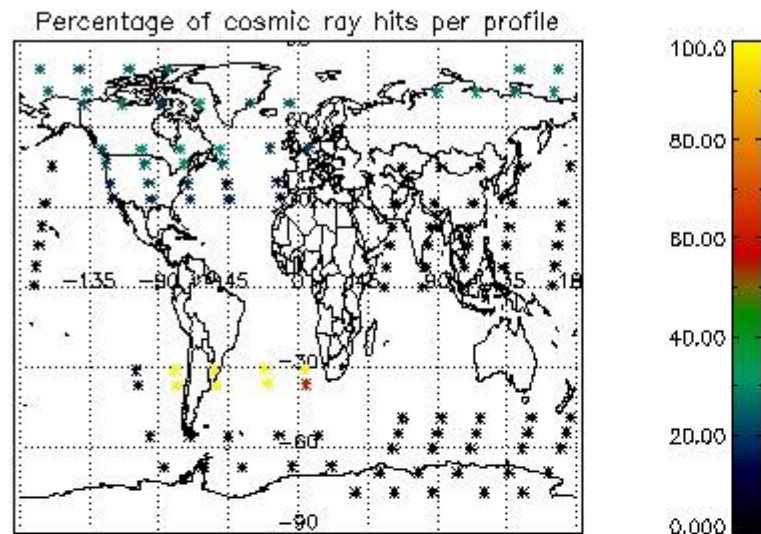
At least one measurement with demodulation flag set:	39.4958 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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)

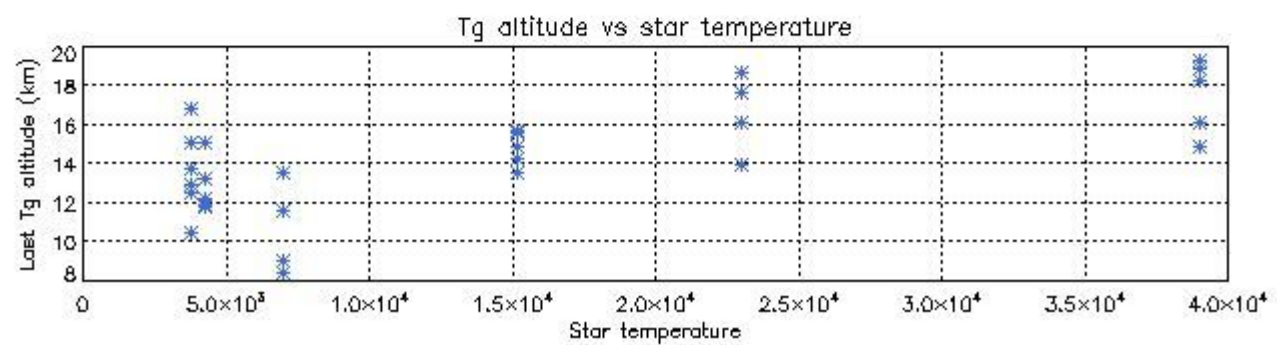
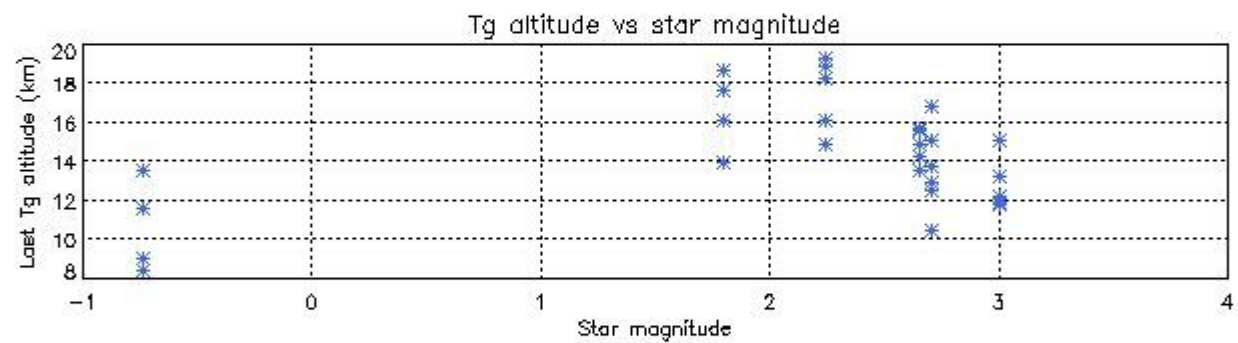
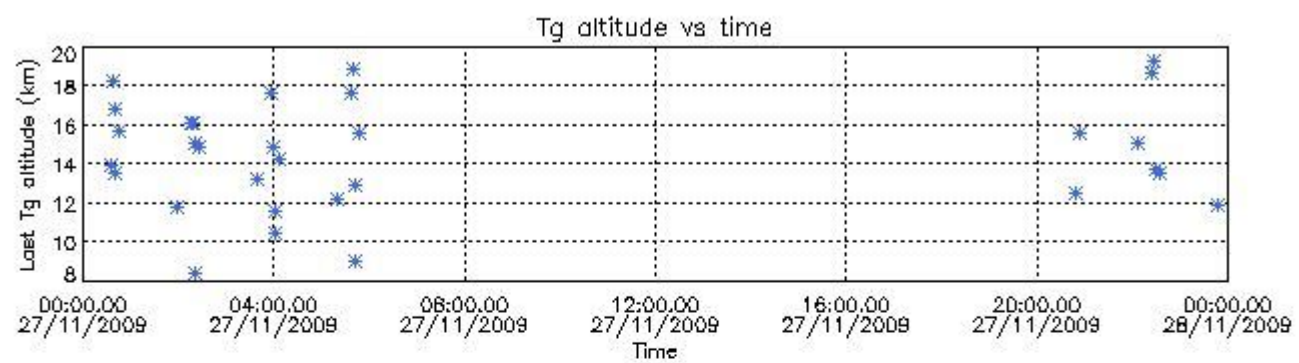
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.492	15.851	NaN
St. deviation:	2.7750	7.5916	NaN
Maximum:	19.271	30.264	NaN
Minimum:	8.4044	3.4049	NaN
Number of data:	31.000	71.000	NaN

### 6.2 Plot for DARK limb products

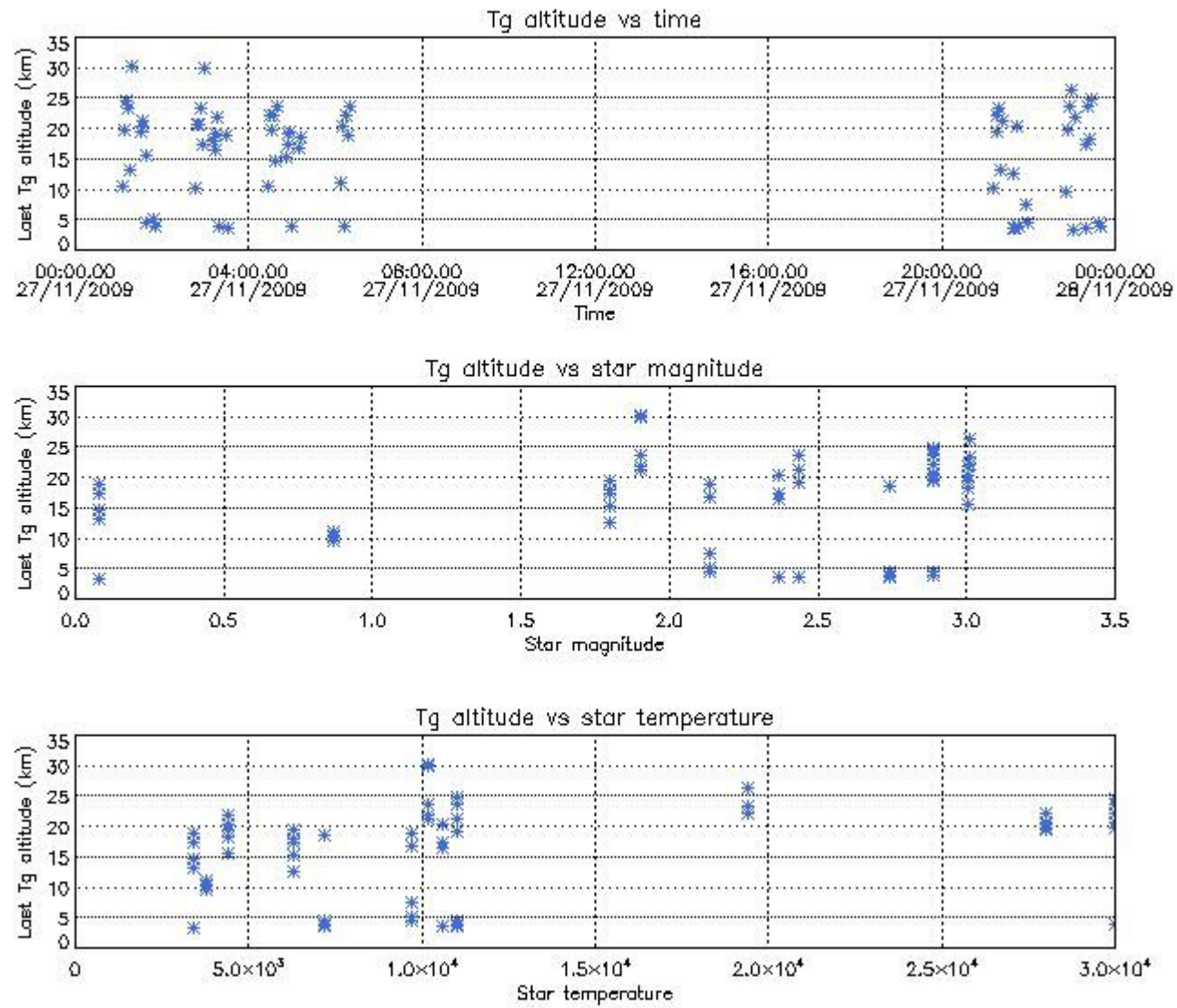


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

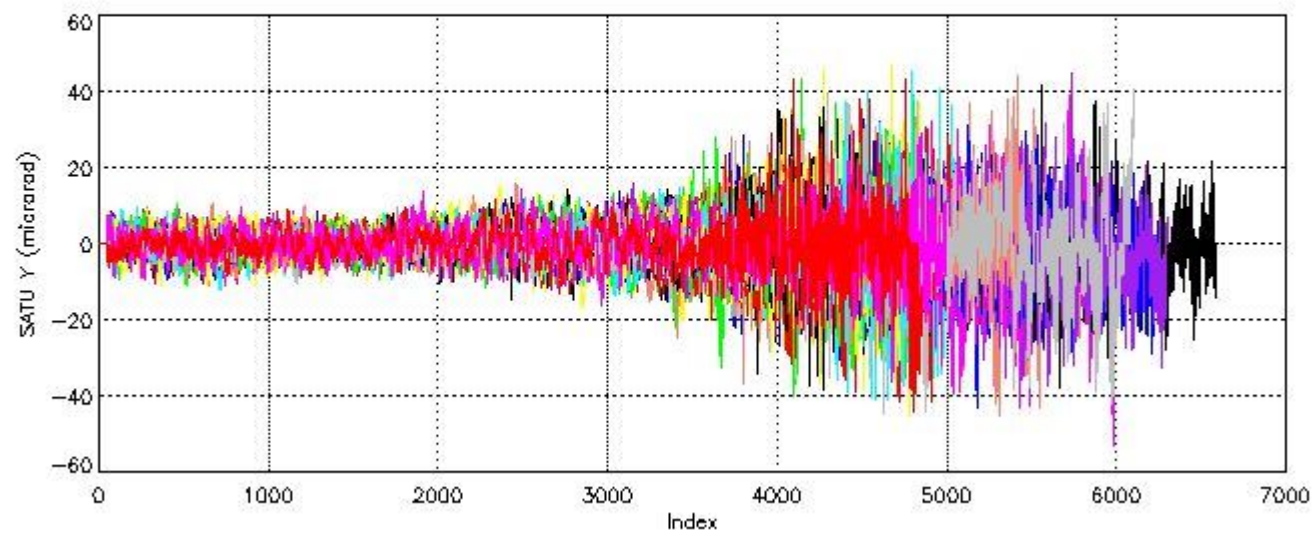
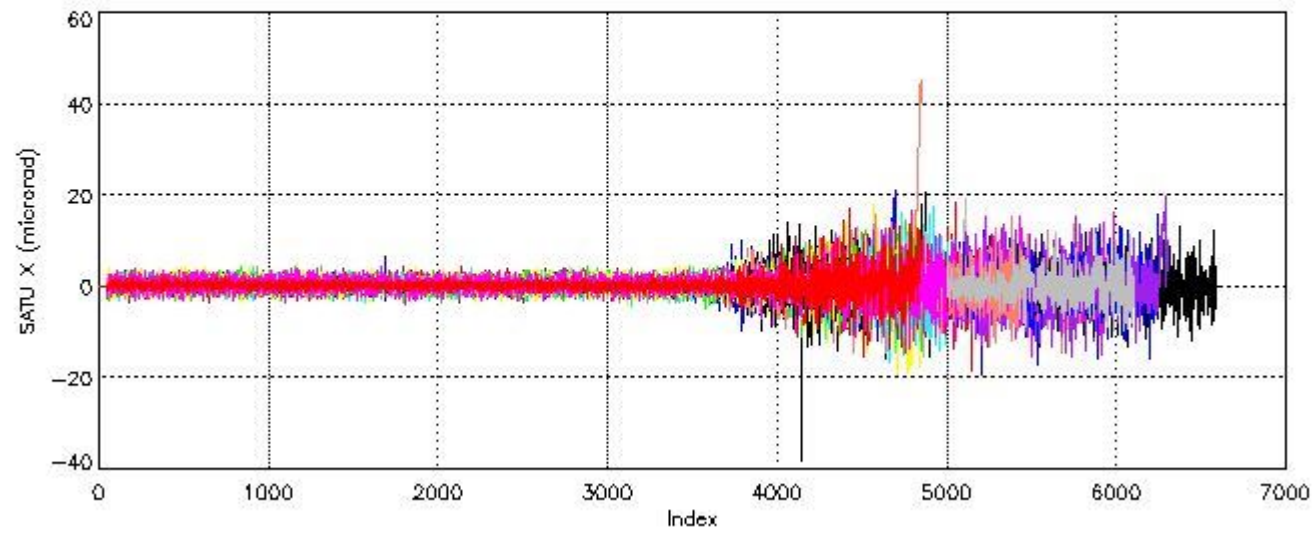


## 7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

### 7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.



## 7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.26515	-0.29833	0.22268	-0.28366
St. deviation:	0.67224	2.6197	0.99987	2.8160
Maximum:	4.4000	10.600	7.5000	12.100
Minimum:	-3.5000	-12.000	-6.8000	-14.800



Number of data:	35100.	35100.	74450.	74450.
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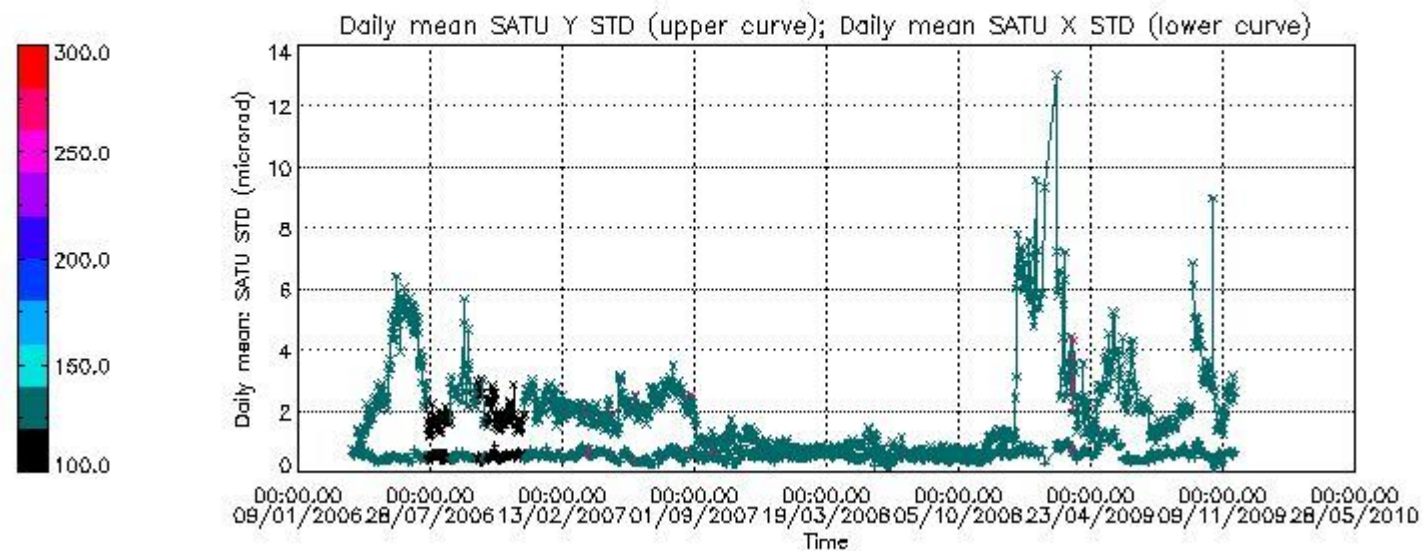
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

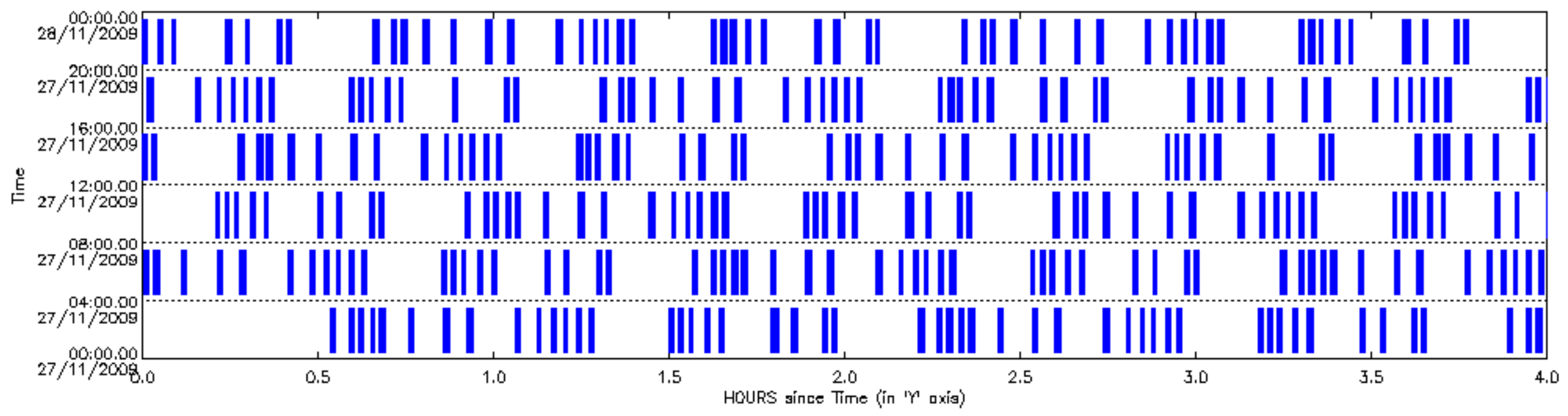
Lower curve: STD of SATU X axis

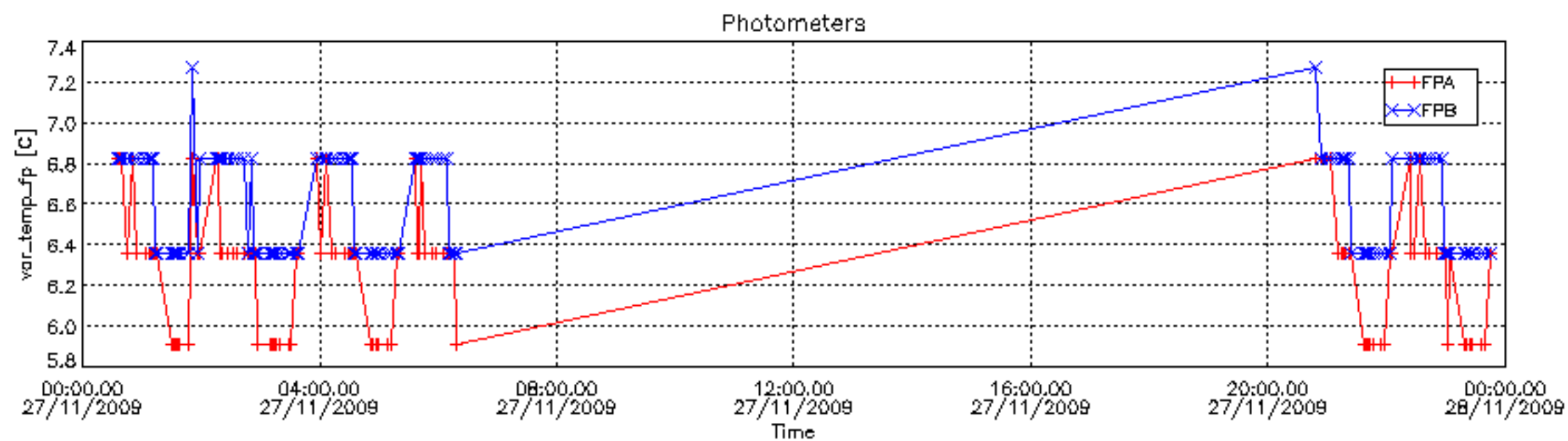
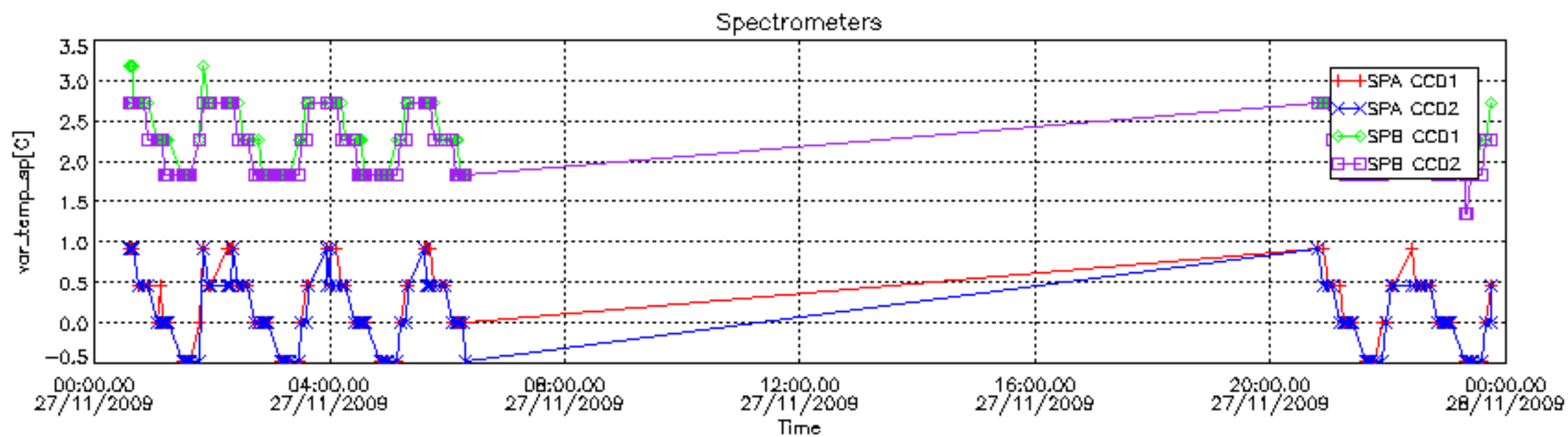


### 8. Auxiliary Data Files used for the production reported in section 2.4

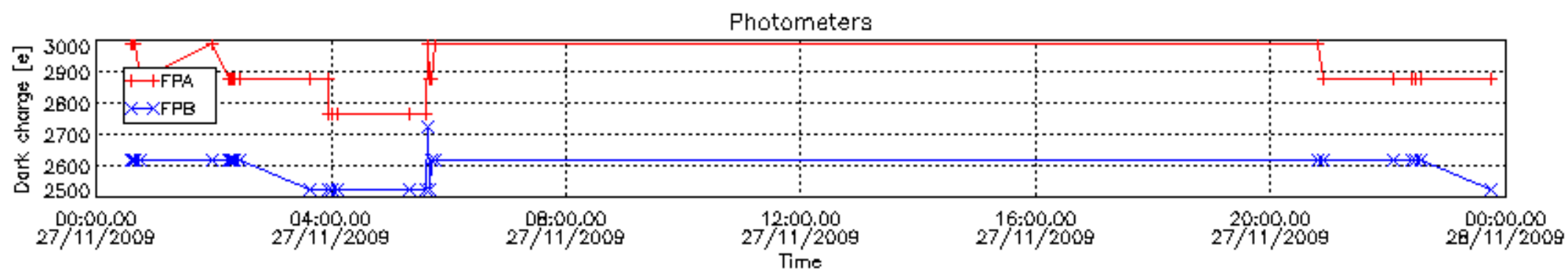
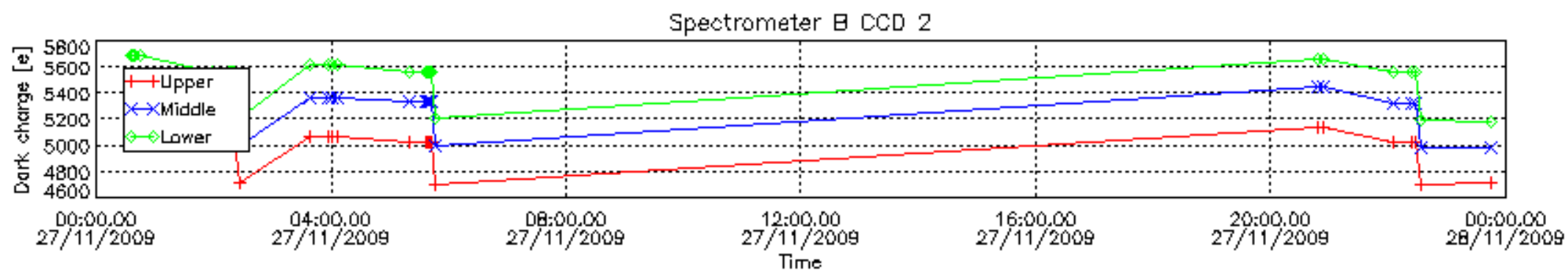
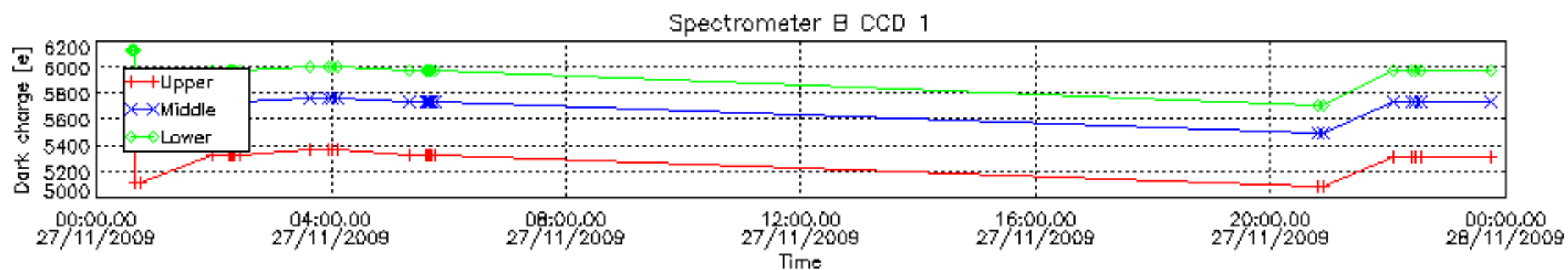
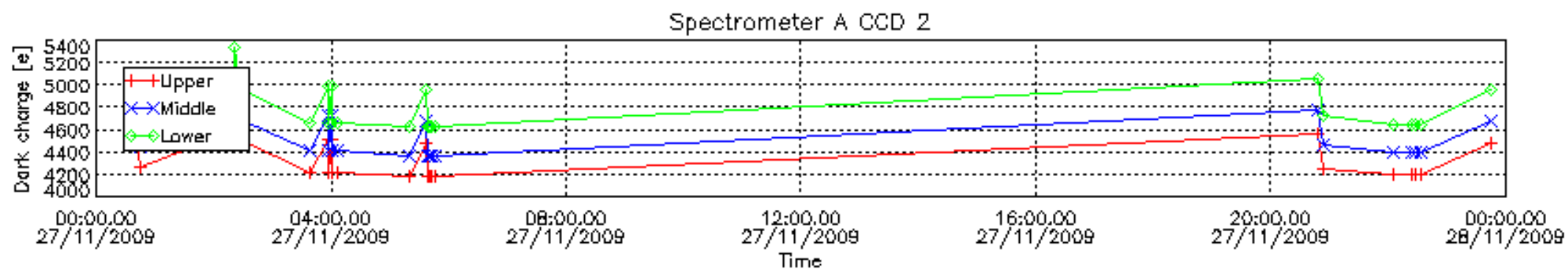
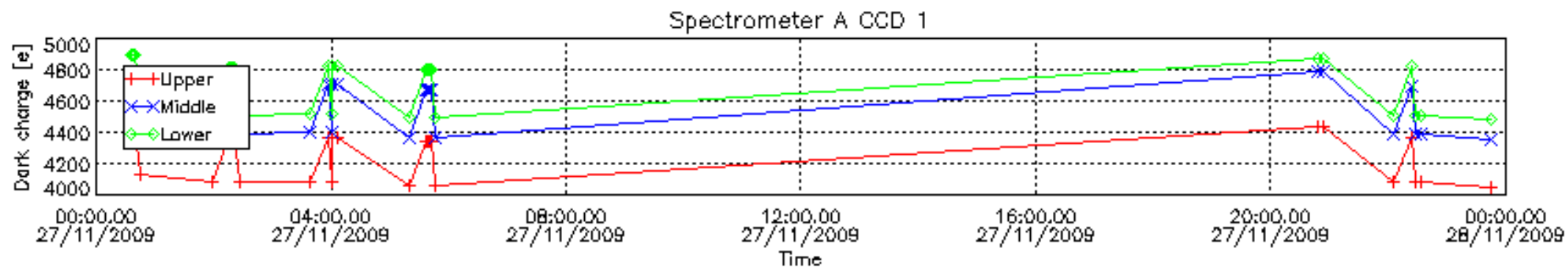
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

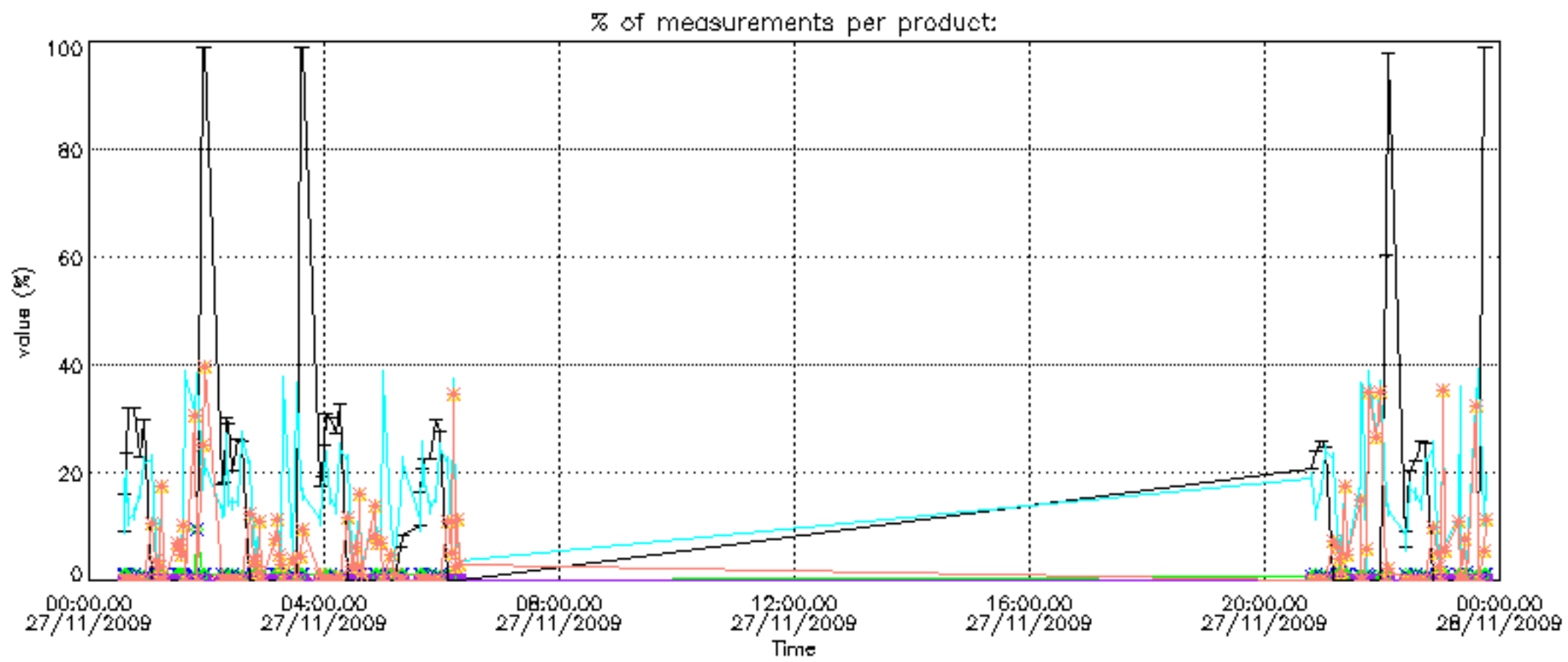
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	27-NOV-2009 00:35:11
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091123_100129_20091121_000000_20500101_000000	1	27-NOV-2009 00:35:11
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	27-NOV-2009 00:35:11
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	27-NOV-2009 00:35:11
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	27-NOV-2009 00:35:11
ECMWF_FILE	AUX_ECF_AXNECM20091126_064112_20091126_210000_20091127_090000	1	27-NOV-2009 00:35:11
ECMWF_FILE	AUX_ECF_AXNECM20091126_184111_20091127_030000_20091127_150000	37	27-NOV-2009 03:12:11
ECMWF_FILE	AUX_ECA_AXNECM20091127_062112_20091126_210000_20091127_090000	58	27-NOV-2009 04:51:09
ECMWF_FILE	AUX_ECF_AXNECM20091127_064112_20091127_150000_20091128_030000	80	27-NOV-2009 20:47:48
ECMWF_FILE	AUX_ECF_AXNECM20091127_064112_20091127_210000_20091128_090000	97	27-NOV-2009 22:03:35
OPTIONAL_ECMWF_FILE	MISSING	1	27-NOV-2009 00:35:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091127_001149_000054192084_00345_40479_9243.N1	1	27-NOV-2009 00:35:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091127_014727_000044632084_00346_40480_9244.N1	20	27-NOV-2009 01:50:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091127_030709_000054192084_00347_40481_9245.N1	37	27-NOV-2009 03:12:11
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20091127_010111_20091126_192410_20091206_205022	58	27-NOV-2009 04:51:09
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091127_204428_000041442084_00358_40492_9247.N1	80	27-NOV-2009 20:47:48
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20091127_010111_20091126_192410_20091206_205022	97	27-NOV-2009 22:03:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091127_233948_000057382084_00359_40493_9249.N1	118	27-NOV-2009 23:44:12



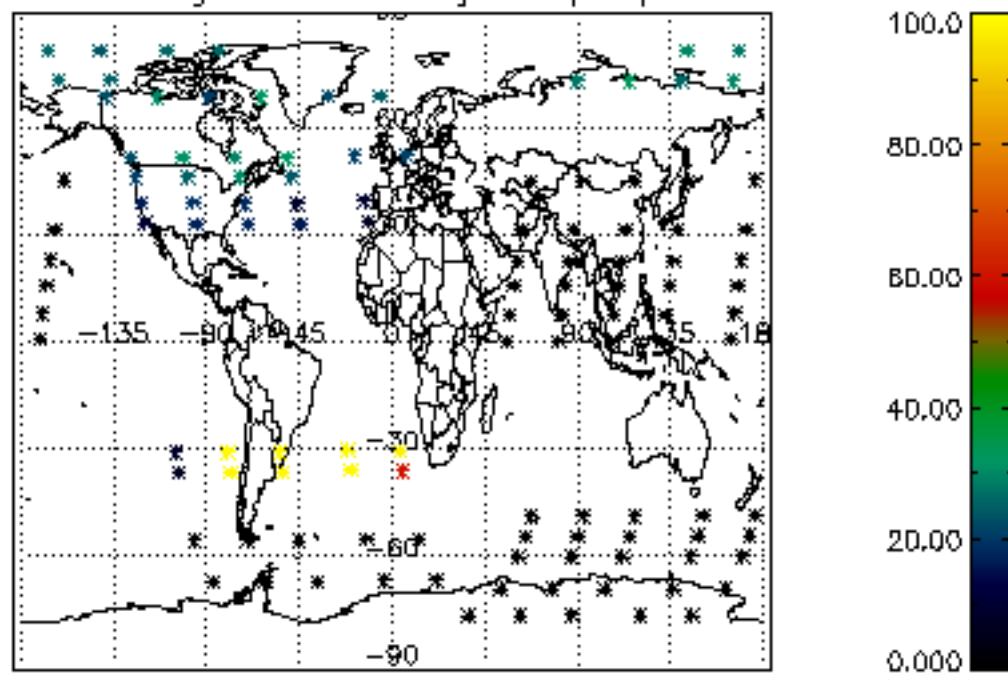




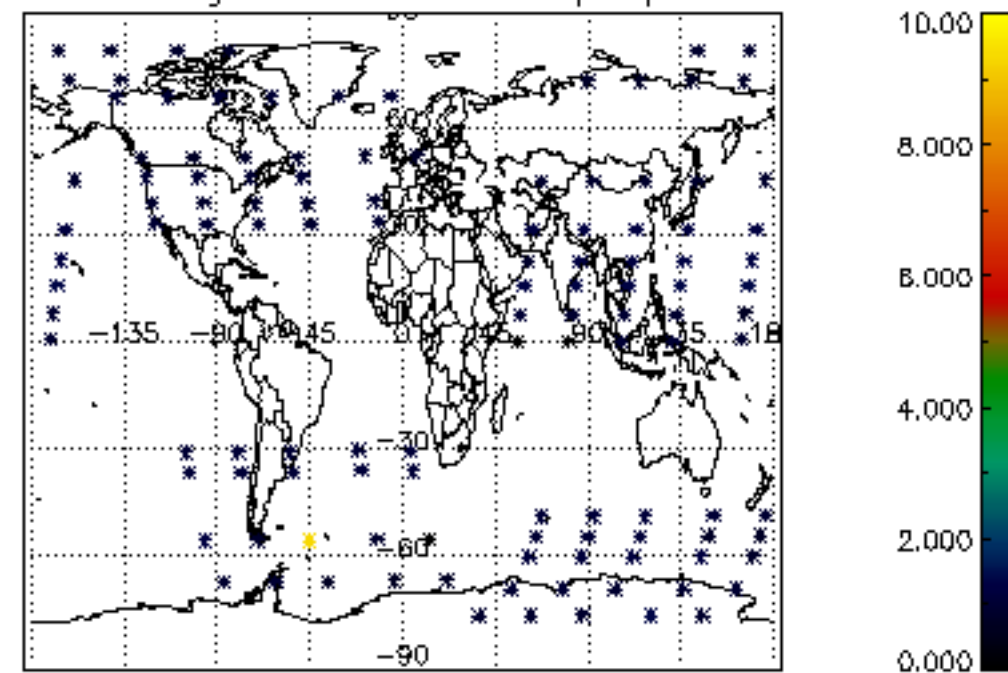




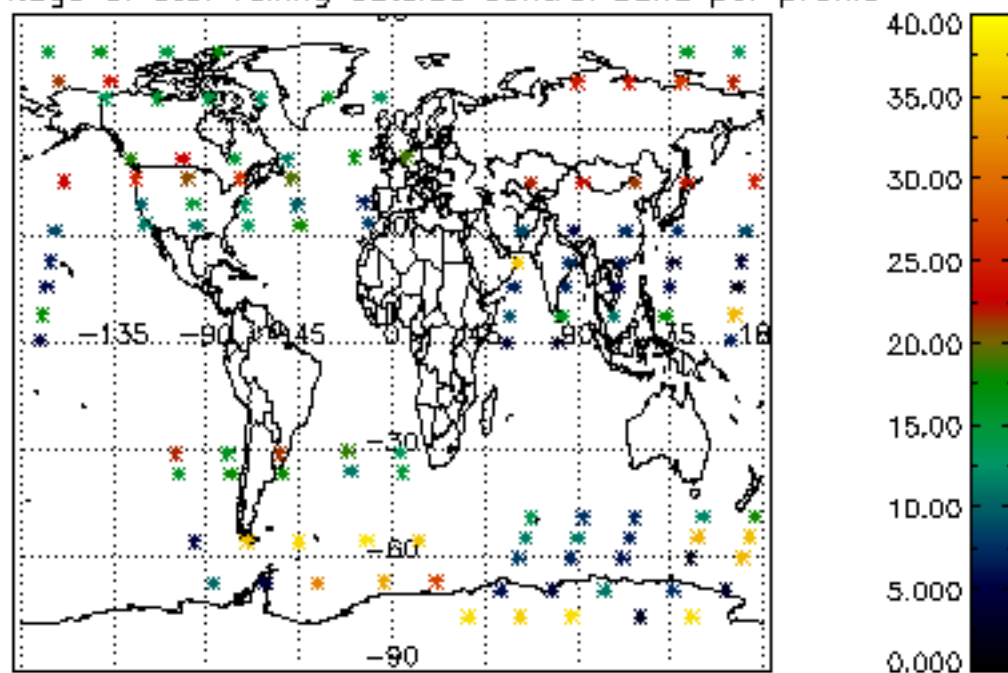
Percentage of cosmic ray hits per profile



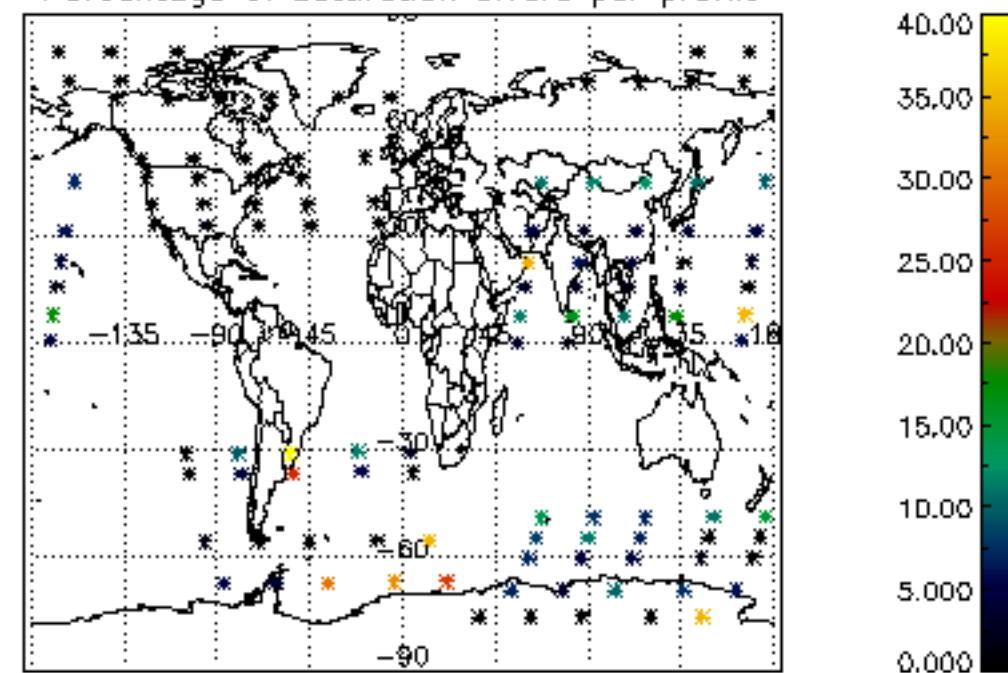
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

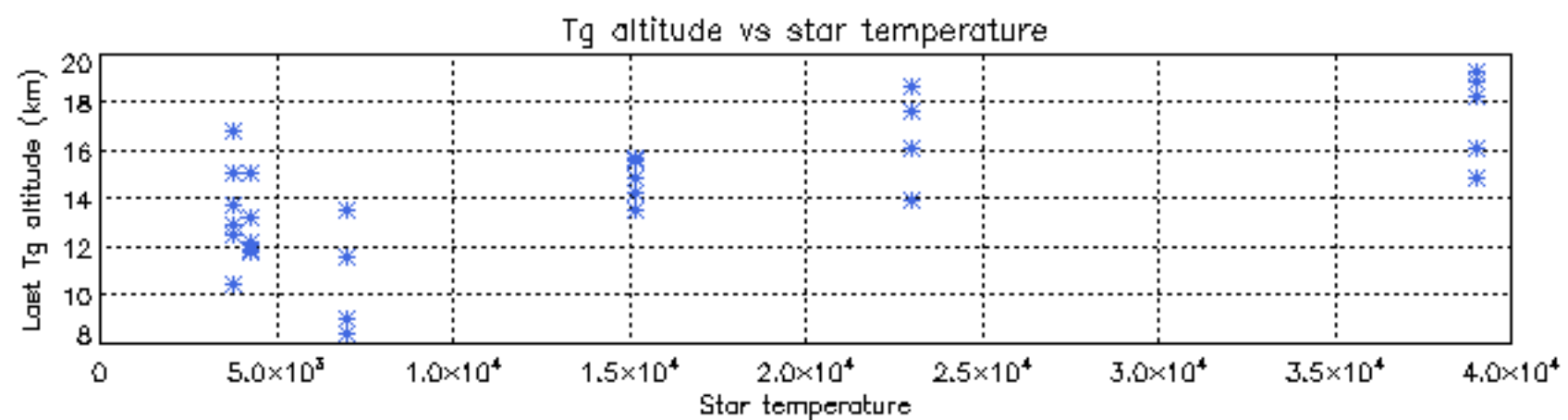
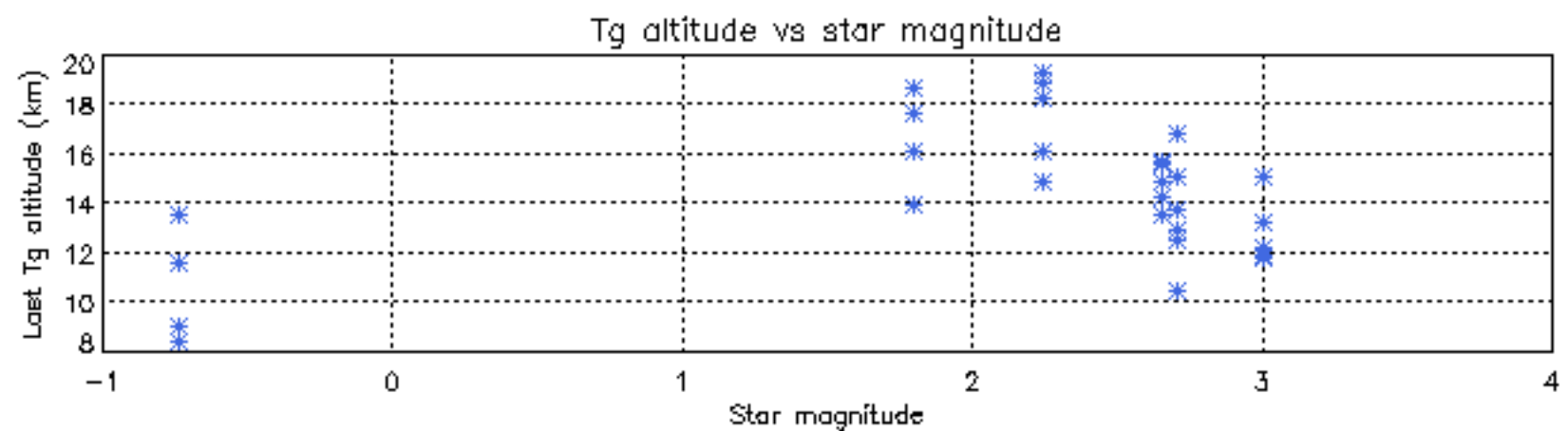
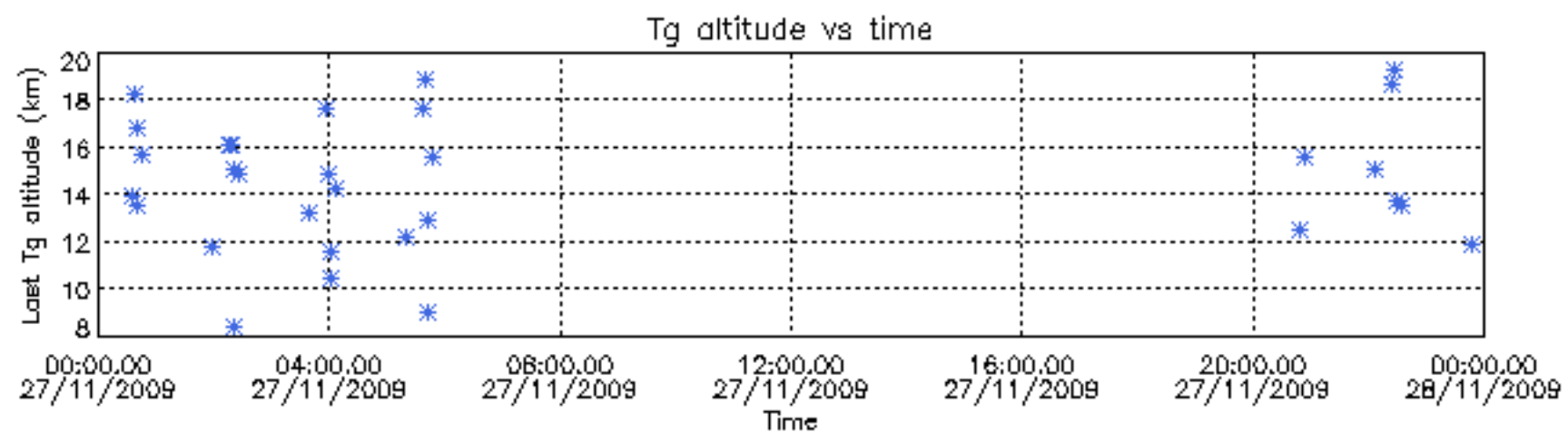


Percentage of saturation errors per profile

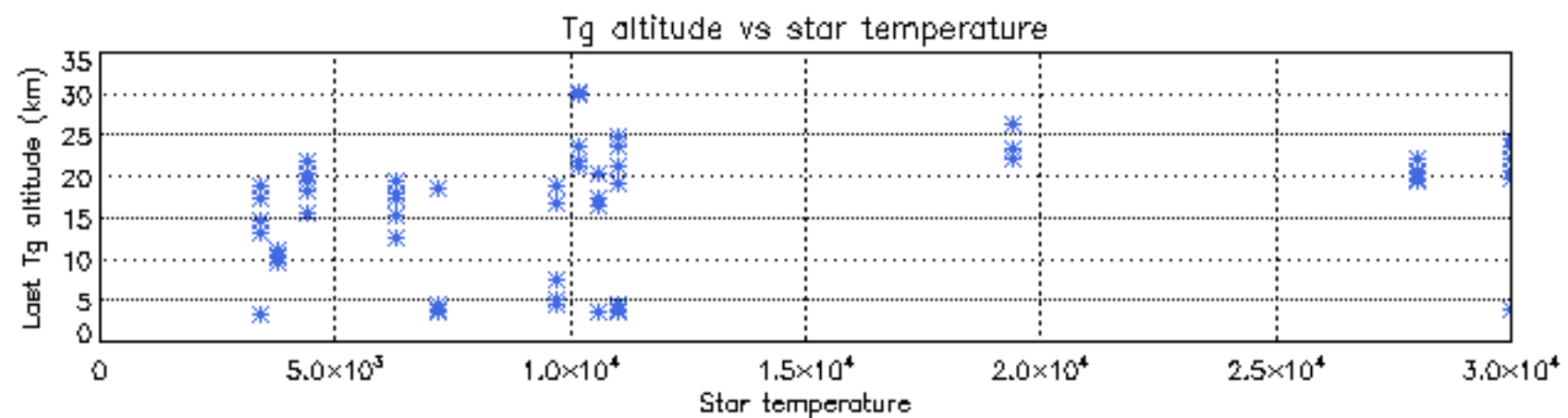
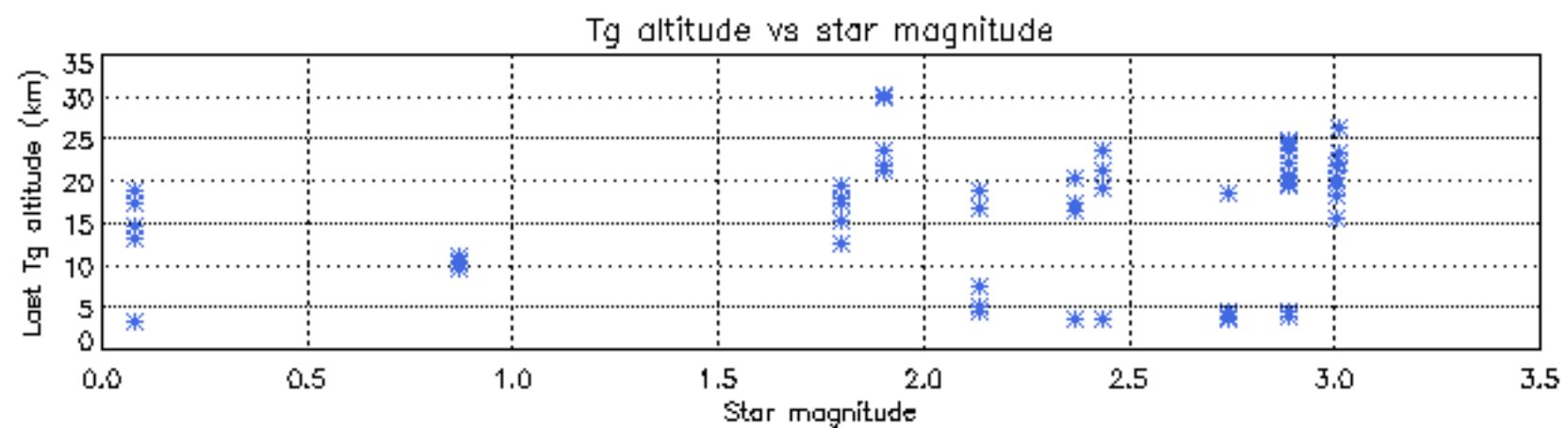
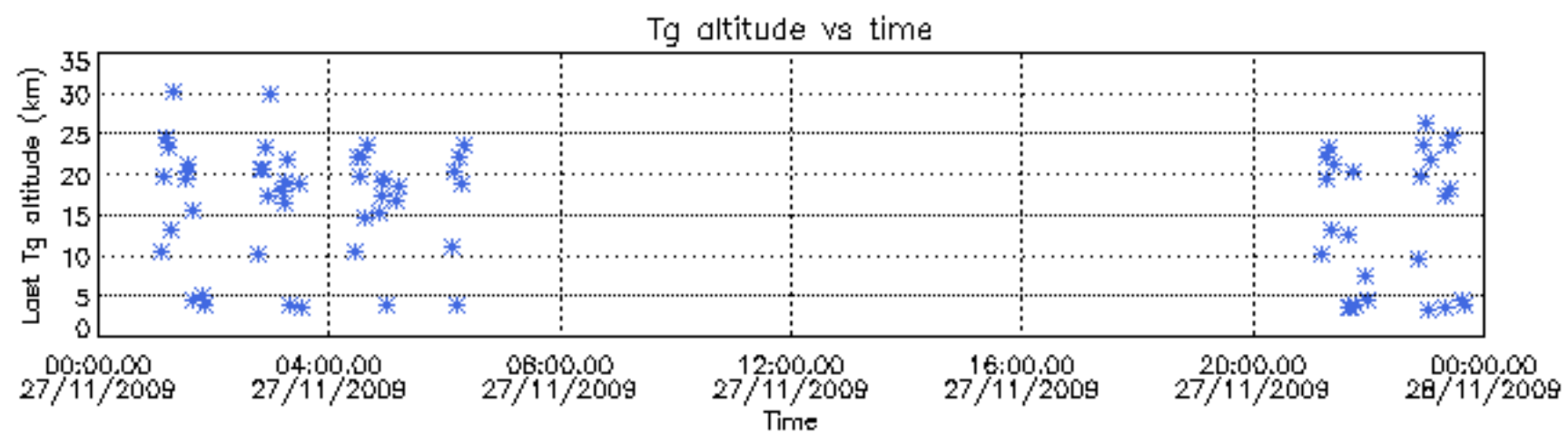


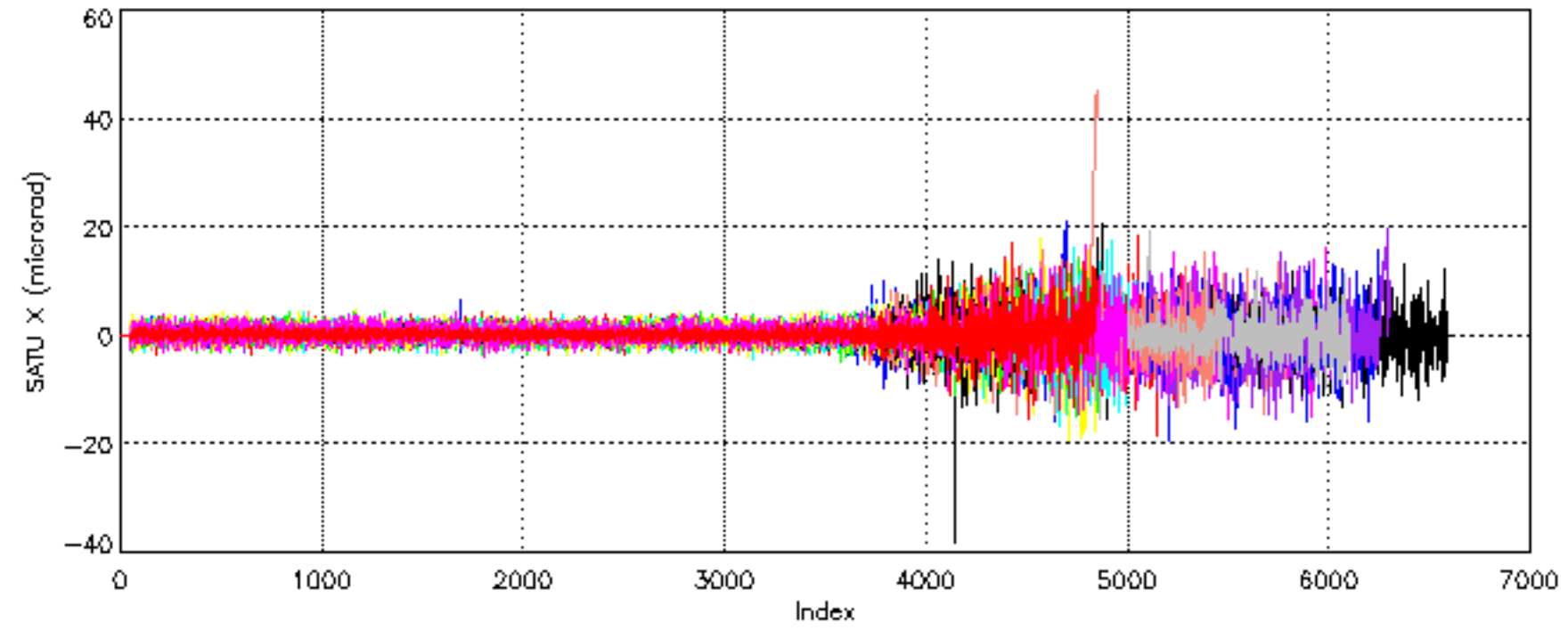


Tangent altitude at which the star is lost

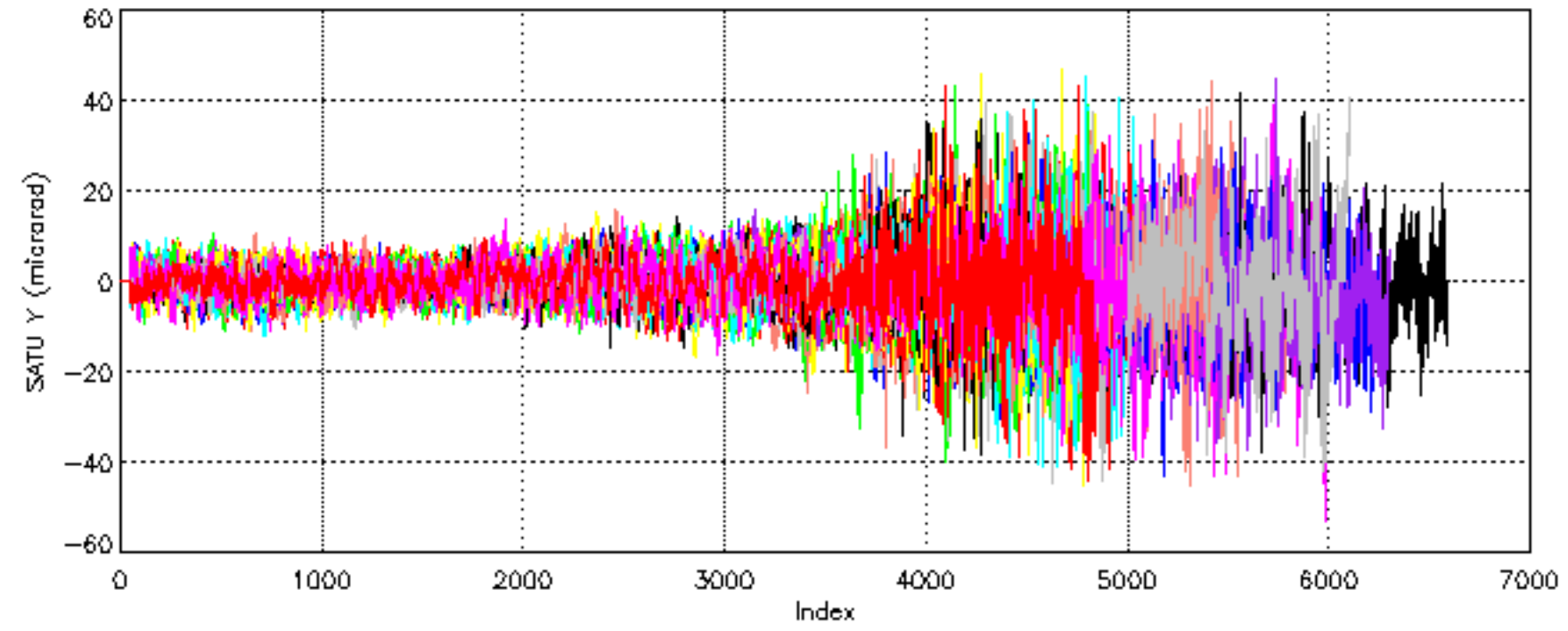


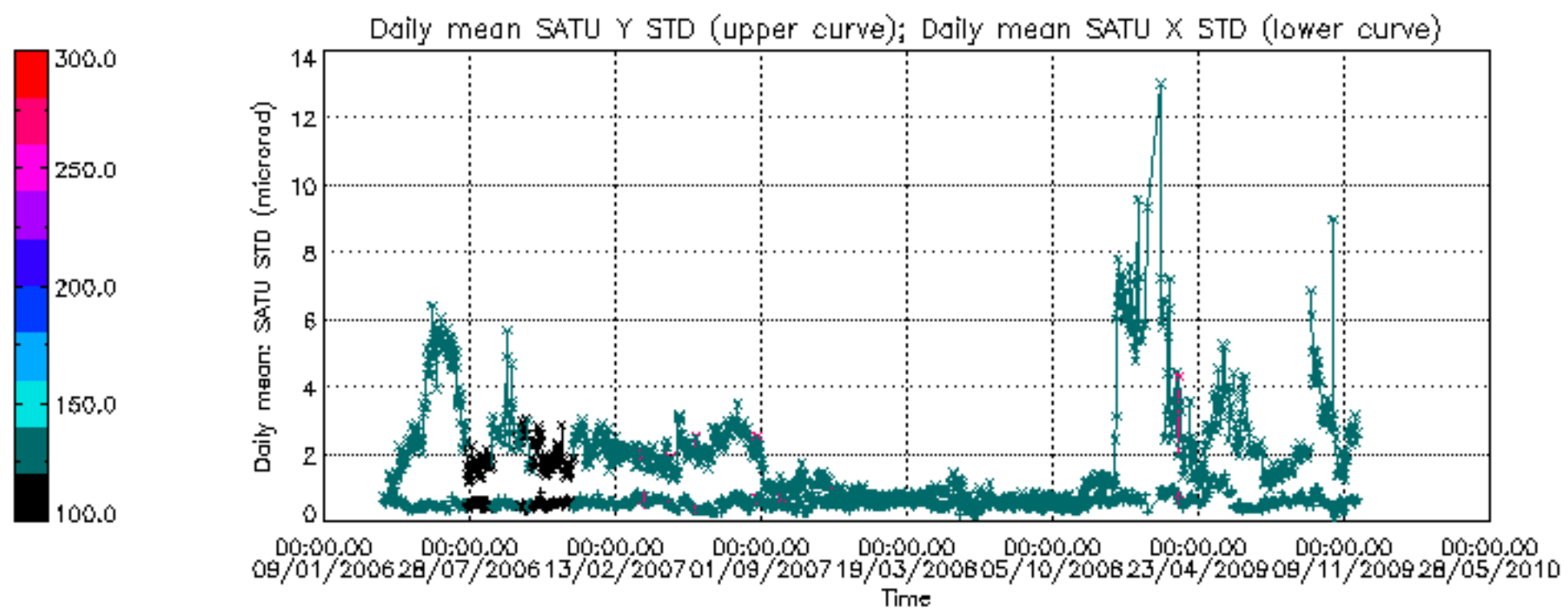
Tangent altitude at which the star is lost











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

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 2; -18.6; 01-NOV-2009 02:23:32; Dark ; 45.5; 65; Lam Vel ; 2.20; 4400;occ; 91; 0;40108  
 3; 198.7; 01-NOV-2009 02:27:09; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;40109  
 4; 349.0; 01-NOV-2009 02:29:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40109  
 5; 525.4; 01-NOV-2009 02:32:36; Dark ; 48.0; 2; Alp Car ;-0.74; 7000;occ; 96; 0;40109  
 6; 910.1; 01-NOV-2009 02:39:01; Dark ; 29.0; 108; Alp Col ; 2.65; 15200;occ; 58; 0;40109  
 7; 2010.1; 01-NOV-2009 02:57:21; Dark ; 56.5; 94; 92Alp Cet ; 2.53; 3100;occ; 113; 0;40109  
 8; 2273.2; 01-NOV-2009 03:01:44; Bright; 38.5; 105; 6Bet Ari ; 2.64; 8900;occ; 77; 0;40109  
 9; 2538.6; 01-NOV-2009 03:06:09; Bright; 39.0; 173; 4Bet Tri ; 3.00; 8900;occ; 78; 0;40109  
 10; 2660.6; 01-NOV-2009 03:08:11; Bright; 40.5; 73; 57Gam1And ; 2.26; 13100;occ; 81; 0;40109  
 11; 2741.6; 01-NOV-2009 03:09:32; Bright; 44.5; 79; 26Bet Per ; 2.31; 13100;occ; 89; 0;40109  
 12; 2933.8; 01-NOV-2009 03:12:44; Bright; 42.5; 160; 23Gam Per ; 2.93; 4700;occ; 85; 0;40109  
 13; 3912.0; 01-NOV-2009 03:29:03; Bright; 16.0; 36; 50Alp UMa ; 1.80; 6300;occ; 32; 0;40109

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 2; -2027.5; 01-NOV-2009 03:30:39; Bright; 37.5; 82; 48Bet UMa ; 2.37; 10600;occ; 75; 0;40109  
 3; -1806.5; 01-NOV-2009 03:34:20; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;40109  
 4; -1325.9; 01-NOV-2009 03:42:21; Bright; 46.0; 166; 17Eps Leo ; 2.98; 6000;occ; 92; 0;40109  
 5; -1096.7; 01-NOV-2009 03:46:10; Bright; 53.0; 22; 32Alp Leo ; 1.36; 15200;occ; 106; 0;40109  
 6; -531.1; 01-NOV-2009 03:55:35; Dark ; 66.0; 48; 30Alp Hya ; 1.98; 4100;occ; 132; 0;40109  
 7; -17.4; 01-NOV-2009 04:04:09; Dark ; 52.5; 65; Lam Vel ; 2.20; 4400;occ; 105; 0;40109  
 8; 199.8; 01-NOV-2009 04:07:46; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40110  
 9; 349.9; 01-NOV-2009 04:10:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40110  
 10; 526.2; 01-NOV-2009 04:13:13; Dark ; 50.0; 2; Alp Car ;-0.74; 7000;occ; 100; 0;40110  
 11; 911.1; 01-NOV-2009 04:19:38; Dark ; 31.0; 108; Alp Col ; 2.65; 15200;occ; 62; 0;40110  
 12; 2010.0; 01-NOV-2009 04:37:57; Dark ; 53.5; 94; 92Alp Cet ; 2.53; 3100;occ; 107; 0;40110  
 13; 2273.1; 01-NOV-2009 04:42:20; Bright; 40.0; 105; 6Bet Ari ; 2.64; 8900;occ; 80; 0;40110  
 14; 2538.3; 01-NOV-2009 04:46:45; Bright; 40.0; 173; 4Bet Tri ; 3.00; 8900;occ; 80; 0;40110  
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 4; -1325.3; 01-NOV-2009 05:22:57; Bright; 38.0; 166; 17Eps Leo ; 2.98; 6000;occ; 76; 0;40110  
 5; -1096.0; 01-NOV-2009 05:26:47; Bright; 55.0; 22; 32Alp Leo ; 1.36; 15200;occ; 110; 0;40110  
 6; -529.7; 01-NOV-2009 05:36:13; Dark ; 59.0; 48; 30Alp Hya ; 1.98; 4100;occ; 118; 0;40110  
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 8; 200.7; 01-NOV-2009 05:48:23; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40111  
 9; 350.9; 01-NOV-2009 05:50:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40111  
 10; 527.1; 01-NOV-2009 05:53:50; Dark ; 47.5; 2; Alp Car ;-0.74; 7000;occ; 95; 0;40111  
 11; 912.1; 01-NOV-2009 06:00:15; Dark ; 31.0; 108; Alp Col ; 2.65; 15200;occ; 62; 0;40111  
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 13; 2273.0; 01-NOV-2009 06:22:56; Bright; 38.5; 105; 6Bet Ari ; 2.64; 8900;occ; 77; 0;40111  
 14; 2538.0; 01-NOV-2009 06:27:21; Bright; 40.0; 173; 4Bet Tri ; 3.00; 8900;occ; 80; 0;40111  
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 3; 2271.6; 01-NOV-2009 21:28:18; Bright; 39.0; 105; 6Bet Ari ; 2.64; 8900;occ; 78; 0;40120

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4; 2535.2; 01-NOV-2009 21:32:41; Bright; 39.0; 173; 4Bet Tri ; 3.00; 8900;occ; 78; 0;40120
5; 2657.6; 01-NOV-2009 21:34:44; Bright; 37.5; 73; 57Gam1And ; 2.26; 13100;occ; 75; 0;40120
6; 2928.5; 01-NOV-2009 21:39:14; Bright; 41.5; 160; 23Gam Per ; 2.93; 4700;occ; 83; 0;40120
7; 3910.8; 01-NOV-2009 21:55:37; Bright; 41.0; 36; 50Alp UMa ; 1.80; 6300;occ; 82; 0;40120
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9; 4229.7; 01-NOV-2009 22:00:56; Bright; 40.0; 174; 52Psi UMa ; 3.00; 4400;occ; 80; 0;40120
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3; 360.3; 01-NOV-2009 22:37:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40121
4; 534.7; 01-NOV-2009 22:39:57; Dark ; 48.5; 2; Alp Car ;-0.74; 7000;occ; 97; 0;40121
5; 921.8; 01-NOV-2009 22:46:24; Dark ; 40.0; 108; Alp Col ; 2.65; 15200;occ; 80; 0;40121
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8; 2535.0; 01-NOV-2009 23:13:17; Bright; 37.5; 173; 4Bet Tri ; 3.00; 8900;occ; 75; 0;40121
9; 2657.3; 01-NOV-2009 23:15:19; Bright; 36.5; 73; 57Gam1And ; 2.26; 13100;occ; 73; 0;40121
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13; 4229.7; 01-NOV-2009 23:41:32; Bright; 45.5; 174; 52Psi UMa ; 3.00; 4400;occ; 91; 0;40121
14; 4754.2; 01-NOV-2009 23:50:16; Bright; 69.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 138; 0;40121
15; 4946.9; 01-NOV-2009 23:53:29; Bright; 55.5; 22; 32Alp Leo ; 1.36; 15200;occ; 111; 0;40121
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9; 351.8; 01-NOV-2009 07:31:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40112
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3; 2537.7; 01-NOV-2009 08:07:56; Bright; 39.5; 173; 4Bet Tri ; 3.00; 8900;occ; 79; 0;40112
4; 2659.8; 01-NOV-2009 08:09:58; Bright; 40.5; 73; 57Gam1And ; 2.26; 13100;occ; 81; 0;40112
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6; 3911.6; 01-NOV-2009 08:30:50; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;40112
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3; 2537.3; 01-NOV-2009 09:48:32; Bright; 57.0; 173; 4Bet Tri ; 3.00; 8900;occ; 114; 0;40113
4; 2659.8; 01-NOV-2009 09:50:34; Bright; 38.0; 73; 57Gam1And ; 2.26; 13100;occ; 76; 0;40113
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6; 3911.5; 01-NOV-2009 10:11:26; Bright; 41.5; 36; 50Alp UMa ; 1.80; 6300;occ; 83; 0;40113
7; 4008.3; 01-NOV-2009 10:13:03; Bright; 39.5; 82; 48Bet UMa ; 2.37; 10600;occ; 79; 0;40113
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9; 4751.2; 01-NOV-2009 12:06:01; Bright; 50.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 101; 0;40114
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13; 6240.3; 01-NOV-2009 12:30:51; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;40114
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 3; 2266.8; 04-NOV-2009 11:30:22; Bright; 37.0; 105; 6Bet Ari ; 2.64; 8900;occ; 74; 0;40157
 4; 2525.8; 04-NOV-2009 11:34:41; Bright; 37.5; 173; 4Bet Tri ; 3.00; 8900;occ; 75; 0;40157
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 16; 6297.2; 04-NOV-2009 14:18:08; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;40158  
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 18; 6599.5; 04-NOV-2009 14:23:10; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;40158  
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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  
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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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8; 3997.0; 08-NOV-2009 16:35:08; Bright; 41.5; 82; 48Bet UMa ; 2.37; 10600;occ; 83; 0;40217
9; 4228.4; 08-NOV-2009 16:38:59; Bright; 43.0; 174; 52Psi UMa ; 3.00; 4400;occ; 86; 0;40217
10; 4704.3; 08-NOV-2009 16:46:55; Bright; 42.0; 96; 68Del Leo ; 2.56; 9300;occ; 84; 0;40217
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6; 324.7; 10-NOV-2009 07:48:18; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;40241
7; 623.8; 10-NOV-2009 07:53:17; Dark ; 50.0; 2; Alp Car ;-0.74; 7000;occ; 100; 0;40241
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4; 2510.5; 10-NOV-2009 08:24:43; Bright; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;40241
5; 2634.2; 10-NOV-2009 08:26:47; Bright; 36.0; 73; 57Gam1And ; 2.26; 13100;occ; 72; 0;40241
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13; 6361.7; 10-NOV-2009 09:28:55; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;40241
14; 6660.3; 10-NOV-2009 09:33:53; Dark ; 52.0; 2; Alp Car ;-0.74; 7000;occ; 104; 0;40241

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4; 2510.2; 10-NOV-2009 10:05:19; Bright; 37.0; 173; 4Bet Tri ; 3.00; 8900;occ; 74; 0;40242
5; 2634.0; 10-NOV-2009 10:07:23; Bright; 36.5; 73; 57Gam1And ; 2.26; 13100;occ; 73; 0;40242
6; 2758.4; 10-NOV-2009 10:09:27; Bright; 46.0; 149; 45Eps Per ; 2.89; 30000;occ; 92; 0;40242
7; 2846.7; 10-NOV-2009 10:10:56; Bright; 60.0; 35; 33Alp Per ; 1.79; 6250;occ; 120; 0;40242
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6; 2496.7; 24-NOV-2009 17:47:49; Bright; 59.0; 150; 44Zet Per ; 2.89; 28000;occ; 118; 0;40447
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 9; 581.1; 29-NOV-2009 02:53:36; Dark ; 62.0; 34; Gam2Vel ; 1.79; 23000;occ; 124; 0;40510  
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 17; 5453.4; 30-NOV-2009 10:25:35; Dark ; 46.0; 100; 4Gam Crv ; 2.58; 13100;occ; 92; 0;40528  
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 25; 7178.0; 30-NOV-2009 12:34:56; Dark ; 67.0; 23; 21Eps CMA ; 1.50; 26000;occ; 134; 0;40529  
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13; 4015.4; 30-NOV-2009 13:22:49; Bright; 38.5; 32; 77Eps UMa ; 1.76; 11000;occ; 77; 0;40530  
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17; 5116.6; 30-NOV-2009 13:41:10; Bright; 42.5; 121; 29Gam Vir ; 2.74; 7200;occ; 85; 0;40530  
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4; 2100.0; 30-NOV-2009 14:31:30; Dark ; 63.0; 27; 24Gam Ori ; 1.64; 26000;occ; 126; 0;40531  
5; 2234.4; 30-NOV-2009 14:33:44; Bright; 51.5; 13; 87Alp Tau ; 0.87; 3800;occ; 103; 0;40531  
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23; 6741.3; 30-NOV-2009 15:48:51; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;40531  
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18; 4347.9; 30-NOV-2009 20:10:45; Bright; 41.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 82; 0;40534
19; 4920.8; 30-NOV-2009 20:20:18; Bright; 62.0; 62; 94Bet Leo ; 2.14; 9700;occ; 124; 0;40534
20; 5118.8; 30-NOV-2009 20:23:36; Bright; 61.0; 121; 29Gam Vir ; 2.74; 7200;occ; 122; 0;40534
21; 5458.2; 30-NOV-2009 20:29:16; Dark ; 48.5; 100; 4Gam Crv ; 2.58; 13100;occ; 97; 0;40534
22; 5553.6; 30-NOV-2009 20:30:51; Dark ; 49.5; 171; 2Eps Crv ; 3.00; 4250;occ; 99; 0;40534
23; 6122.0; 30-NOV-2009 20:40:20; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;40534
24; 6441.0; 30-NOV-2009 20:45:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40534
25; 6639.2; 30-NOV-2009 20:48:57; Dark ; 60.0; 34; Gam2Vel ; 1.79; 23000;occ; 120; 0;40534
26; 6744.5; 30-NOV-2009 20:50:42; Dark ; 56.5; 70; Zet Pup ; 2.25; 39000;occ; 113; 0;40534
27; 6953.1; 30-NOV-2009 20:54:11; Dark ; 61.0; 117; Pi Pup ; 2.71; 3800;occ; 122; 0;40534

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