

# GOMOS Daily Report 07-APR-2011

## 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	10APR2011 07:04:52
Data source version	GOMOS/5.01
Start time of products	07APR2011 00:02:39
Stop time of products	07APR2011 23:58:22
Store outputs in DB	Yes
Nb of level 1b prods	318
Nb of prods with errors	2

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

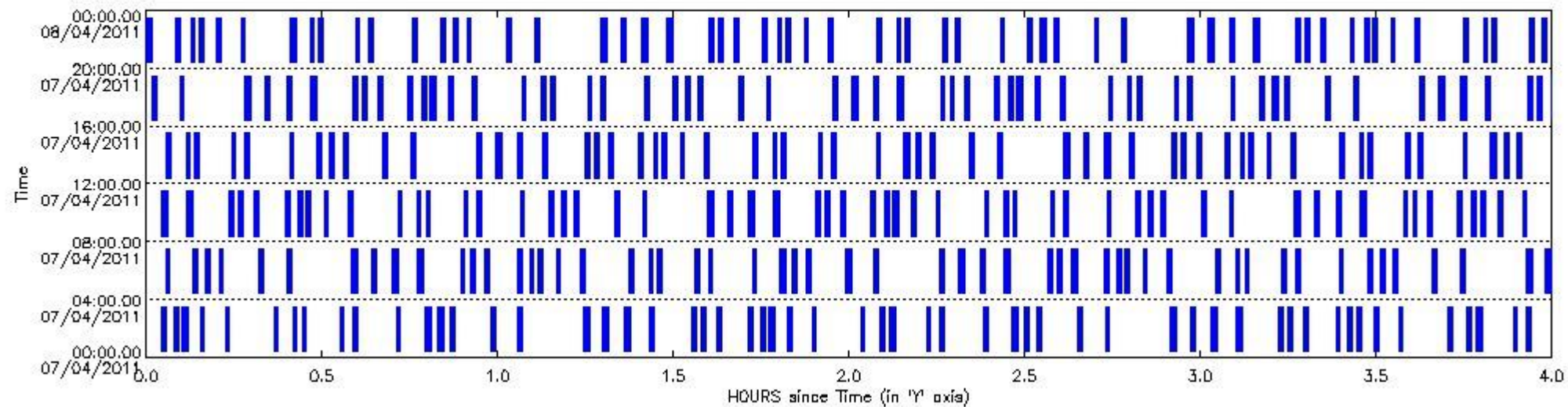
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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_1PNPDE20110407_000239_000000453101_00160_47588_3299.N1	07-APR-2011 00:02:39	Twilight_stray	45.000	106	9Bet Crv	2.6480	5600.0	90	47588	No
2	GOM_TRA_1PNPDE20110407_000443_000000453101_00160_47588_3300.N1	07-APR-2011 00:04:43	Twilight_stray	44.500	163	7Del Crv	2.9450	11000.	89	47588	No
3	GOM_TRA_1PNPDE20110407_000608_000000533101_00160_47588_3301.N1	07-APR-2011 00:06:08	Bright	52.500	15	67Alp Vir	0.97600	28000.	105	47588	No
4	GOM_TRA_1PNPDE20110407_000915_000000413101_00160_47588_3302.N1	07-APR-2011 00:09:15	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	47588	No
5	GOM_TRA_1PNPDE20110407_001326_000000443101_00160_47588_3303.N1	07-APR-2011 00:13:26	Bright	43.500	138	47Eps Vir	2.8280	4700.0	87	47588	No
6	GOM_TRA_1PNPDE20110407_002147_000000413101_00160_47588_3304.N1	07-APR-2011 00:21:47	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	47588	No
7	GOM_TRA_1PNPDE20110407_002507_000000383101_00160_47588_3305.N1	07-APR-2011 00:25:07	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	47588	No
8	GOM_TRA_1PNPDE20110407_002638_000000393101_00160_47588_3306.N1	07-APR-2011 00:26:38	Bright	38.500	32	77Eps UMa	1.7630	11000.	77	47588	No
9	GOM_TRA_1PNPDE20110407_003302_000000393101_00160_47588_3307.N1	07-APR-2011 00:33:02	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	47588	No
10	GOM_TRA_1PNPDE20110407_003516_000000443101_00160_47588_3308.N1	07-APR-2011 00:35:16	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	47588	No
11	GOM_TRA_1PNPDE20110407_004247_000000383101_00160_47588_3309.N1	07-APR-2011 00:42:47	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	47588	No
12	GOM_TRA_1PNPDE20110407_004731_000000733101_00160_47588_3310.N1	07-APR-2011 00:47:31	Bright	73.000	144	18Del Cyg	2.8600	11000.	146	47588	No

13	GOM_TRA_1PNPDE20110407_004940_000000683101_00160_47588_3311.N1	07-APR-2011 00:49:40	Bright	68.000	66	37Gam Cyg	2.2080	5900.0	136	47588	No
14	GOM_TRA_1PNPDE20110407_005153_000000483101_00160_47588_3312.N1	07-APR-2011 00:51:53	Bright	47.500	92	53Eps Cyg	2.5000	4500.0	95	47588	No
15	GOM_TRA_1PNPDE20110407_005844_000000473101_00160_47588_3313.N1	07-APR-2011 00:58:44	Tw_i_and_stray	46.500	61	8Eps Peg	2.1000	3900.0	93	47588	No
16	GOM_TRA_1PNPDE20110407_010328_000000453101_00160_47588_3314.N1	07-APR-2011 01:03:28	Dark	44.500	154	22Bet Aqr	2.8990	5700.0	89	47588	No
17	GOM_TRA_1PNPDE20110407_011756_000000573101_00160_47588_3335.N1	07-APR-2011 01:17:56	Dark	56.500	103	38Zet Sgr	2.6000	9700.0	113	47588	No
18	GOM_TRA_1PNPDE20110407_012133_000000593101_00161_47589_3336.N1	07-APR-2011 01:21:33	Dark	59.000	38	20Eps Sgr	1.8360	11000.	118	47589	No
19	GOM_TRA_1PNPDE20110407_012545_000000593101_00161_47589_3337.N1	07-APR-2011 01:25:45	Dark	58.500	25	35Lam Sco	1.6200	28000.	117	47589	No
20	GOM_TRA_1PNPDE20110407_013311_000000453101_00161_47589_3338.N1	07-APR-2011 01:33:11	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	47589	No
21	GOM_TRA_1PNPDE20110407_013447_000000453101_00161_47589_3339.N1	07-APR-2011 01:34:47	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	47589	No
22	GOM_TRA_1PNPDE20110407_013721_000000513101_00161_47589_3340.N1	07-APR-2011 01:37:21	Straylight	50.500	54	5The Cen	2.0550	4500.0	101	47589	No
23	GOM_TRA_1PNPDE20110407_014253_000000463101_00161_47589_3341.N1	07-APR-2011 01:42:53	Tw_i_and_stray	45.500	106	9Bet Crv	2.6480	5600.0	91	47589	No
24	GOM_TRA_1PNPDE20110407_014457_000000433101_00161_47589_3342.N1	07-APR-2011 01:44:57	Tw_i_and_stray	43.000	163	7Del Crv	2.9450	11000.	86	47589	No
25	GOM_TRA_1PNPDE20110407_014621_000000533101_00161_47589_3343.N1	07-APR-2011 01:46:21	Bright	52.500	15	67Alp Vir	0.97600	28000.	105	47589	No
26	GOM_TRA_1PNPDE20110407_014929_000000413101_00161_47589_3344.N1	07-APR-2011 01:49:29	Bright	41.000	121	29Gam Vir	2.7400	7200.0	82	47589	No
27	GOM_TRA_1PNPDE20110407_015339_000000443101_00161_47589_3345.N1	07-APR-2011 01:53:39	Bright	44.000	138	47Eps Vir	2.8280	4700.0	88	47589	No
28	GOM_TRA_1PNPDE20110407_020201_000000423101_00161_47589_3346.N1	07-APR-2011 02:02:01	Bright	41.500	152	12Alp2CVn	2.8900	11000.	83	47589	No
29	GOM_TRA_1PNPDE20110407_020521_000000373101_00161_47589_3347.N1	07-APR-2011 02:05:21	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	47589	No
30	GOM_TRA_1PNPDE20110407_020652_000000583101_00161_47589_3348.N1	07-APR-2011 02:06:52	Bright	58.000	32	77Eps UMa	1.7630	11000.	116	47589	No
31	GOM_TRA_1PNPDE20110407_021316_000000383101_00161_47589_3349.N1	07-APR-2011 02:13:16	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	47589	No
32	GOM_TRA_1PNPDE20110407_021529_000000503101_00161_47589_3350.N1	07-APR-2011 02:15:29	Bright	49.500	119	14Eta Dra	2.7270	4700.0	99	47589	No
33	GOM_TRA_1PNPDE20110407_022301_000000393101_00161_47589_3351.N1	07-APR-2011 02:23:01	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	47589	No
34	GOM_TRA_1PNPDE20110407_022745_000000733101_00161_47589_3352.N1	07-APR-2011 02:27:45	Bright	73.000	144	18Del Cyg	2.8600	11000.	146	47589	No
35	GOM_TRA_1PNPDE20110407_022954_000000493101_00161_47589_3353.N1	07-APR-2011 02:29:54	Bright	49.000	66	37Gam Cyg	2.2080	5900.0	98	47589	No
36	GOM_TRA_1PNPDE20110407_023207_000000463101_00161_47589_3354.N1	07-APR-2011 02:32:07	Bright	46.000	92	53Eps Cyg	2.5000	4500.0	92	47589	No
37	GOM_TRA_1PNPDE20110407_023858_000000493101_00161_47589_3355.N1	07-APR-2011 02:38:58	Tw_i_and_stray	48.500	61	8Eps Peg	2.1000	3900.0	97	47589	No
38	GOM_TRA_1PNPDE20110407_024343_000000463101_00161_47589_3356.N1	07-APR-2011 02:43:43	Dark	46.000	154	22Bet Aqr	2.8990	5700.0	92	47589	No
39	GOM_TRA_1PNPDE20110407_025811_000000563101_00161_47589_3357.N1	07-APR-2011 02:58:11	Dark	56.000	103	38Zet Sgr	2.6000	9700.0	112	47589	No
40	GOM_TRA_1PNPDE20110407_030149_000000593101_00162_47590_3358.N1	07-APR-2011 03:01:49	Dark	59.000	38	20Eps Sgr	1.8360	11000.	118	47590	No
41	GOM_TRA_1PNPDE20110407_030600_000000663101_00162_47590_3359.N1	07-APR-2011 03:06:00	Dark	65.500	25	35Lam Sco	1.6200	28000.	131	47590	No
42	GOM_TRA_1PNPDE20110407_031326_000000443101_00162_47590_3360.N1	07-APR-2011 03:13:26	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	47590	No
43	GOM_TRA_1PNPDE20110407_031502_000000453101_00162_47590_3361.N1	07-APR-2011 03:15:02	Straylight	44.500	81	Eta Cen	2.3560	28000.	89	47590	No
44	GOM_TRA_1PNPDE20110407_031735_000000533101_00162_47590_3362.N1	07-APR-2011 03:17:35	Straylight	52.500	54	5The Cen	2.0550	4500.0	105	47590	No
45	GOM_TRA_1PNPDE20110407_032307_000000463101_00162_47590_3363.N1	07-APR-2011 03:23:07	Tw_i_and_stray	45.500	106	9Bet Crv	2.6480	5600.0	91	47590	No
46	GOM_TRA_1PNPDE20110407_032511_000000443101_00162_47590_3364.N1	07-APR-2011 03:25:11	Tw_i_and_stray	43.500	163	7Del Crv	2.9450	11000.	87	47590	No
47	GOM_TRA_1PNPDE20110407_032636_000000553101_00162_47590_3365.N1	07-APR-2011 03:26:36	Bright	55.000	15	67Alp Vir	0.97600	28000.	110	47590	No
48	GOM_TRA_1PNPDE20110407_032943_000000413101_00162_47590_3366.N1	07-APR-2011 03:29:43	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	47590	No
49	GOM_TRA_1PNPDE20110407_033353_000000423101_00162_47590_3367.N1	07-APR-2011 03:33:53	Bright	42.000	138	47Eps Vir	2.8280	4700.0	84	47590	No
50	GOM_TRA_1PNPDE20110407_034214_000000423101_00162_47590_3368.N1	07-APR-2011 03:42:14	Bright	41.500	152	12Alp2CVn	2.8900	11000.	83	47590	No
51	GOM_TRA_1PNPDE20110407_034535_000000373101_00162_47590_3369.N1	07-APR-2011 03:45:35	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	47590	No
52	GOM_TRA_1PNPDE20110407_034705_000000583101_00162_47590_3370.N1	07-APR-2011 03:47:05	Bright	58.000	32	77Eps UMa	1.7630	11000.	116	47590	No
53	GOM_TRA_1PNPDE20110407_035330_000000403101_00162_47590_3371.N1	07-APR-2011 03:53:30	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47590	No
54	GOM_TRA_1PNPDE20110407_035543_000000493101_00162_47590_3372.N1	07-APR-2011 03:55:43	Bright	49.000	119	14Eta Dra	2.7270	4700.0	98	47590	No
55	GOM_TRA_1PNPDE20110407_040314_000000383101_00162_47590_3382.N1	07-APR-2011 04:03:14	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	47590	No
56	GOM_TRA_1PNPDE20110407_040759_000000493101_00162_47590_3383.N1	07-APR-2011 04:07:59	Bright	49.000	144	18Del Cyg	2.8600	11000.	98	47590	No
57	GOM_TRA_1PNPDE20110407_041008_000000483101_00162_47590_3384.N1	07-APR-2011 04:10:08	Bright	47.500	66	37Gam Cyg	2.2080	5900.0	95	47590	No
58	GOM_TRA_1PNPDE20110407_041221_000000463101_00162_47590_3385.N1	07-APR-2011 04:12:21	Bright	46.000	92	53Eps Cyg	2.5000	4500.0	92	47590	No
59	GOM_TRA_1PNPDE20110407_041912_000000493101_00162_47590_3386.N1	07-APR-2011 04:19:12	Tw_i_and_stray	48.500	61	8Eps Peg	2.1000	3900.0	97	47590	No
60	GOM_TRA_1PNPDE20110407_042357_000000453101_00162_47590_3387.N1	07-APR-2011 04:23:57	Dark	44.500	154	22Bet Aqr	2.8990	5700.0	89	47590	No
61	GOM_TRA_1PNPDE20110407_043826_000000573101_00162_47590_3388.N1	07-APR-2011 04:38:26	Dark	57.000	103	38Zet Sgr	2.6000	9700.0	114	47590	No
62	GOM_TRA_1PNPDE20110407_044204_000000593101_00163_47591_3389.N1	07-APR-2011 04:42:04	Dark	58.500	38	20Eps Sgr	1.8360	11000.	117	47591	No
63	GOM_TRA_1PNPDE20110407_044615_000000643101_00163_47591_3390.N1	07-APR-2011 04:46:15	Dark	63.500	25	35Lam Sco	1.6200	28000.	127	47591	No
64	GOM_TRA_1PNPDE20110407_045340_000000433101_00163_47591_3391.N1	07-APR-2011 04:53:40	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	47591	No
65	GOM_TRA_1PNPDE20110407_045516_000000453101_00163_47591_3392.N1	07-APR-2011 04:55:16	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	47591	No
66	GOM_TRA_1PNPDE20110407_045750_000000513101_00163_47591_3393.N1	07-APR-2011 04:57:50	Straylight	51.000	54	5The Cen	2.0550	4500.0	102	47591	No
67	GOM_TRA_1PNPDE20110407_050322_000000453101_00163_47591_3394.N1	07-APR-2011 05:03:22	Tw_i_and_stray	44.500	106	9Bet Crv	2.6480	5600.0	89	47591	No
68	GOM_TRA_1PNPDE20110407_050525_000000413101_00163_47591_3395.N1	07-APR-2011 05:05:25	Tw_i_and_stray	41.000	163	7Del Crv	2.9450	11000.	82	47591	No
69	GOM_TRA_1PNPDE20110407_050650_000000493101_00163_47591_3396.N1	07-APR-2011 05:06:50	Bright	48.500	15	67Alp Vir	0.97600	28000.	97	47591	No
70	GOM_TRA_1PNPDE20110407_050957_000000423101_00163_47591_3397.N1	07-APR-2011 05:09:57	Bright	41.500	121	29Gam Vir	2.7400	7200.0	83	47591	No
71	GOM_TRA_1PNPDE20110407_051407_000000453101_00163_47591_3398.N1	07-APR-2011 05:14:07	Bright	44.500	138	47Eps Vir	2.8280	4700.0	89	47591	No



72	GOM_TRA_1PNPDE20110407_052228_000000413101_00163_47591_3399.N1	07-APR-2011 05:22:28	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	47591	No
73	GOM_TRA_1PNPDE20110407_052548_000000373101_00163_47591_3400.N1	07-APR-2011 05:25:48	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	47591	No
74	GOM_TRA_1PNPDE20110407_052719_000000393101_00163_47591_3401.N1	07-APR-2011 05:27:19	Bright	38.500	32	77Eps UMa	1.7630	11000.	77	47591	No
75	GOM_TRA_1PNPDE20110407_053343_000000413101_00163_47591_3402.N1	07-APR-2011 05:33:43	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	47591	No
76	GOM_TRA_1PNPDE20110407_053556_000000473101_00163_47591_3403.N1	07-APR-2011 05:35:56	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	47591	No
77	GOM_TRA_1PNPDE20110407_054328_000000383101_00163_47591_3407.N1	07-APR-2011 05:43:28	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	47591	No
78	GOM_TRA_1PNPDE20110407_054813_000000603101_00163_47591_3408.N1	07-APR-2011 05:48:13	Bright	60.000	144	18Del Cyg	2.8600	11000.	120	47591	No
79	GOM_TRA_1PNPDE20110407_055022_000000483101_00163_47591_3409.N1	07-APR-2011 05:50:22	Bright	47.500	66	37Gam Cyg	2.2080	5900.0	95	47591	No
80	GOM_TRA_1PNPDE20110407_055235_000000473101_00163_47591_3410.N1	07-APR-2011 05:52:35	Bright	47.000	92	53Eps Cyg	2.5000	4500.0	94	47591	No
81	GOM_TRA_1PNPDE20110407_055927_000000563101_00163_47591_3411.N1	07-APR-2011 05:59:27	Tw_i_and_stray	55.500	61	8Eps Peg	2.1000	3900.0	111	47591	No
82	GOM_TRA_1PNPDE20110407_060412_000000453101_00163_47591_3412.N1	07-APR-2011 06:04:12	Dark	45.000	154	22Bet Aqr	2.8990	5700.0	90	47591	No
83	GOM_TRA_1PNPDE20110407_061842_000000553101_00163_47591_3413.N1	07-APR-2011 06:18:42	Dark	55.000	103	38Zet Sgr	2.6000	9700.0	110	47591	No
84	GOM_TRA_1PNPDE20110407_062220_000000603101_00164_47592_3414.N1	07-APR-2011 06:22:20	Dark	60.000	38	20Eps Sgr	1.8360	11000.	120	47592	No
85	GOM_TRA_1PNPDE20110407_062631_000000643101_00164_47592_3415.N1	07-APR-2011 06:26:31	Dark	64.000	25	35Lam Sco	1.6200	28000.	128	47592	No
86	GOM_TRA_1PNPDE20110407_063355_000000423101_00164_47592_3416.N1	07-APR-2011 06:33:55	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	47592	No
87	GOM_TRA_1PNPDE20110407_063531_000000453101_00164_47592_3417.N1	07-APR-2011 06:35:31	Straylight	44.500	81	Eta Cen	2.3560	28000.	89	47592	No
88	GOM_TRA_1PNPDE20110407_063804_000000523101_00164_47592_3418.N1	07-APR-2011 06:38:04	Straylight	52.000	54	5The Cen	2.0550	4500.0	104	47592	No
89	GOM_TRA_1PNPDE20110407_064336_000000443101_00164_47592_3419.N1	07-APR-2011 06:43:36	Tw_i_and_stray	43.500	106	9Bet Crv	2.6480	5600.0	87	47592	No
90	GOM_TRA_1PNPDE20110407_064540_000000443101_00164_47592_3420.N1	07-APR-2011 06:45:40	Tw_i_and_stray	43.500	163	7Del Crv	2.9450	11000.	87	47592	No
91	GOM_TRA_1PNPDE20110407_064704_000000543101_00164_47592_3421.N1	07-APR-2011 06:47:04	Bright	54.000	15	67Alp Vir	0.97600	28000.	108	47592	No
92	GOM_TRA_1PNPDE20110407_065011_000000423101_00164_47592_3422.N1	07-APR-2011 06:50:11	Bright	41.500	121	29Gam Vir	2.7400	7200.0	83	47592	No
93	GOM_TRA_1PNPDE20110407_065420_000000453101_00164_47592_3423.N1	07-APR-2011 06:54:20	Bright	44.500	138	47Eps Vir	2.8280	4700.0	89	47592	No
94	GOM_TRA_1PNPDE20110407_070242_000000423101_00164_47592_3424.N1	07-APR-2011 07:02:42	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	47592	No
95	GOM_TRA_1PNPDE20110407_070602_000000373101_00164_47592_3425.N1	07-APR-2011 07:06:02	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	47592	No
96	GOM_TRA_1PNPDE20110407_070733_000000403101_00164_47592_3426.N1	07-APR-2011 07:07:33	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	47592	No
97	GOM_TRA_1PNPDE20110407_071357_000000403101_00164_47592_3427.N1	07-APR-2011 07:13:57	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	47592	No
98	GOM_TRA_1PNPDE20110407_071609_000000473101_00164_47592_3428.N1	07-APR-2011 07:16:09	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	47592	No
99	GOM_TRA_1PNPDK20110407_072343_000000383101_00164_47592_0559.N1	07-APR-2011 07:23:43	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	47592	No
100	GOM_TRA_1PNPDK20110407_072827_000000543101_00164_47592_0560.N1	07-APR-2011 07:28:27	Bright	53.500	144	18Del Cyg	2.8600	11000.	107	47592	No
101	GOM_TRA_1PNPDK20110407_073036_000000493101_00164_47592_0561.N1	07-APR-2011 07:30:36	Bright	48.500	66	37Gam Cyg	2.2080	5900.0	97	47592	No
102	GOM_TRA_1PNPDK20110407_073249_000000473101_00164_47592_0562.N1	07-APR-2011 07:32:49	Bright	46.500	92	53Eps Cyg	2.5000	4500.0	93	47592	No
103	GOM_TRA_1PNPDK20110407_073941_000000483101_00164_47592_0563.N1	07-APR-2011 07:39:41	Tw_i_and_stray	48.000	61	8Eps Peg	2.1000	3900.0	96	47592	No
104	GOM_TRA_1PNPDK20110407_074426_000000483101_00164_47592_0564.N1	07-APR-2011 07:44:26	Dark	47.500	154	22Bet Aqr	2.8990	5700.0	95	47592	No
105	GOM_TRA_1PNPDK20110407_075857_000000563101_00164_47592_0565.N1	07-APR-2011 07:58:57	Dark	56.000	103	38Zet Sgr	2.6000	9700.0	112	47592	No
106	GOM_TRA_1PNPDK20110407_080235_000000593101_00165_47593_0566.N1	07-APR-2011 08:02:35	Dark	59.000	38	20Eps Sgr	1.8360	11000.	118	47593	No
107	GOM_TRA_1PNPDK20110407_080646_000000633101_00165_47593_0567.N1	07-APR-2011 08:06:46	Dark	62.500	25	35Lam Sco	1.6200	28000.	125	47593	No
108	GOM_TRA_1PNPDK20110407_081409_000000443101_00165_47593_0568.N1	07-APR-2011 08:14:09	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	47593	No
109	GOM_TRA_1PNPDK20110407_081545_000000473101_00165_47593_0569.N1	07-APR-2011 08:15:45	Straylight	47.000	81	Eta Cen	2.3560	28000.	94	47593	No
110	GOM_TRA_1PNPDK20110407_081818_000000503101_00165_47593_0570.N1	07-APR-2011 08:18:18	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	47593	No
111	GOM_TRA_1PNPDK20110407_082350_000000453101_00165_47593_0571.N1	07-APR-2011 08:23:50	Tw_i_and_stray	44.500	106	9Bet Crv	2.6480	5600.0	89	47593	No
112	GOM_TRA_1PNPDK20110407_082554_000000413101_00165_47593_0572.N1	07-APR-2011 08:25:54	Tw_i_and_stray	41.000	163	7Del Crv	2.9450	11000.	82	47593	No
113	GOM_TRA_1PNPDK20110407_082718_000000503101_00165_47593_0602.N1	07-APR-2011 08:27:18	Bright	50.000	15	67Alp Vir	0.97600	28000.	100	47593	Yes
114	GOM_TRA_1PNPDK20110407_083025_000000413101_00165_47593_0603.N1	07-APR-2011 08:30:25	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	47593	No
115	GOM_TRA_1PNPDK20110407_083434_000000443101_00165_47593_0604.N1	07-APR-2011 08:34:34	Bright	43.500	138	47Eps Vir	2.8280	4700.0	87	47593	No
116	GOM_TRA_1PNPDK20110407_084255_000000413101_00165_47593_0605.N1	07-APR-2011 08:42:55	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	47593	No
117	GOM_TRA_1PNPDK20110407_084616_000000383101_00165_47593_0606.N1	07-APR-2011 08:46:16	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	47593	No
118	GOM_TRA_1PNPDK20110407_084747_000000393101_00165_47593_0607.N1	07-APR-2011 08:47:47	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	47593	No
119	GOM_TRA_1PNPDK20110407_085411_000000393101_00165_47593_0608.N1	07-APR-2011 08:54:11	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	47593	No
120	GOM_TRA_1PNPDK20110407_085622_000000493101_00165_47593_0609.N1	07-APR-2011 08:56:22	Bright	49.000	119	14Eta Dra	2.7270	4700.0	98	47593	No
121	GOM_TRA_1PNPDK20110407_090356_000000383101_00165_47593_0610.N1	07-APR-2011 09:03:56	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	47593	No
122	GOM_TRA_1PNPDK20110407_090840_000000503101_00165_47593_0611.N1	07-APR-2011 09:08:40	Bright	50.000	144	18Del Cyg	2.8600	11000.	100	47593	No
123	GOM_TRA_1PNPDK20110407_091050_000000483101_00165_47593_0612.N1	07-APR-2011 09:10:50	Bright	48.000	66	37Gam Cyg	2.2080	5900.0	96	47593	No
124	GOM_TRA_1PNPDK20110407_091304_000000473101_00165_47593_0613.N1	07-APR-2011 09:13:04	Bright	47.000	92	53Eps Cyg	2.5000	4500.0	94	47593	No
125	GOM_TRA_1PNPDK20110407_091955_000000483101_00165_47593_0614.N1	07-APR-2011 09:19:55	Tw_i_and_stray	47.500	61	8Eps Peg	2.1000	3900.0	95	47593	No
126	GOM_TRA_1PNPDK20110407_092441_000000463101_00165_47593_0615.N1	07-APR-2011 09:24:41	Dark	45.500	154	22Bet Aqr	2.8990	5700.0	91	47593	No
127	GOM_TRA_1PNPDK20110407_093912_000000573101_00165_47593_0616.N1	07-APR-2011 09:39:12	Dark	57.000	103	38Zet Sgr	2.6000	9700.0	114	47593	No
128	GOM_TRA_1PNPDK20110407_094251_000000593101_00166_47594_0617.N1	07-APR-2011 09:42:51	Dark	58.500	38	20Eps Sgr	1.8360	11000.	117	47594	No
129	GOM_TRA_1PNPDK20110407_094702_000000603101_00166_47594_0618.N1	07-APR-2011 09:47:02	Dark	59.500	25	35Lam Sco	1.6200	28000.	119	47594	No
130	GOM_TRA_1PNPDK20110407_095424_000000443101_00166_47594_0619.N1	07-APR-2011 09:54:24	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	47594	No

131	GOM_TRA_1PNPDK20110407_095600_000000453101_00166_47594_0620.N1	07-APR-2011 09:56:00	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	47594	No
132	GOM_TRA_1PNPDK20110407_095833_000000473101_00166_47594_0621.N1	07-APR-2011 09:58:33	Straylight	46.500	54	5The Cen	2.0550	4500.0	93	47594	No
133	GOM_TRA_1PNPDK20110407_100337_000000483101_00166_47594_0622.N1	07-APR-2011 10:03:37	Twilight_and_stray	48.000	169	46Gam Hya	2.9910	4700.0	96	47594	No
134	GOM_TRA_1PNPDK20110407_100608_000000403101_00166_47594_0623.N1	07-APR-2011 10:06:08	Twilight_and_stray	40.000	163	7Del Crv	2.9450	11000.	80	47594	No
135	GOM_TRA_1PNPDK20110407_100732_000000513101_00166_47594_0624.N1	07-APR-2011 10:07:32	Bright	51.000	15	67Alp Vir	0.97600	28000.	102	47594	No
136	GOM_TRA_1PNPDK20110407_101039_000000423101_00166_47594_0627.N1	07-APR-2011 10:10:39	Bright	42.000	121	29Gam Vir	2.7400	7200.0	84	47594	No
137	GOM_TRA_1PNPDK20110407_101448_000000433101_00166_47594_0628.N1	07-APR-2011 10:14:48	Bright	43.000	138	47Eps Vir	2.8280	4700.0	86	47594	No
138	GOM_TRA_1PNPDK20110407_102308_000000423101_00166_47594_0629.N1	07-APR-2011 10:23:08	Bright	41.500	152	12Alp2CVn	2.8900	11000.	83	47594	No
139	GOM_TRA_1PNPDK20110407_102630_000000373101_00166_47594_0630.N1	07-APR-2011 10:26:30	Bright	37.000	87	64Gam UMa	2.4330	11000.	74	47594	No
140	GOM_TRA_1PNPDK20110407_102800_000000413101_00166_47594_0631.N1	07-APR-2011 10:28:00	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	47594	No
141	GOM_TRA_1PNPDK20110407_103424_000000383101_00166_47594_0632.N1	07-APR-2011 10:34:24	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	47594	No
142	GOM_TRA_1PNPDK20110407_103635_000000483101_00166_47594_0633.N1	07-APR-2011 10:36:35	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	47594	No
143	GOM_TRA_1PNPDK20110407_104410_000000373101_00166_47594_0634.N1	07-APR-2011 10:44:10	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	47594	No
144	GOM_TRA_1PNPDK20110407_104854_000000483101_00166_47594_0635.N1	07-APR-2011 10:48:54	Bright	47.500	144	18Del Cyg	2.8600	11000.	95	47594	No
145	GOM_TRA_1PNPDK20110407_105104_000000483101_00166_47594_0636.N1	07-APR-2011 10:51:04	Bright	48.000	66	37Gam Cyg	2.2080	5900.0	96	47594	No
146	GOM_TRA_1PNPDK20110407_105318_000000473101_00166_47594_0637.N1	07-APR-2011 10:53:18	Bright	46.500	92	53Eps Cyg	2.5000	4500.0	93	47594	No
147	GOM_TRA_1PNPDK20110407_110009_000000473101_00166_47594_0638.N1	07-APR-2011 11:00:09	Twilight_and_stray	47.000	61	8Eps Peg	2.1000	3900.0	94	47594	No
148	GOM_TRA_1PNPDK20110407_110455_000000453101_00166_47594_0639.N1	07-APR-2011 11:04:55	Dark	45.000	154	22Bet Aqr	2.8990	5700.0	90	47594	No
149	GOM_TRA_1PNPDK20110407_111927_000000573101_00166_47594_0640.N1	07-APR-2011 11:19:27	Dark	56.500	103	38Zet Sgr	2.6000	9700.0	113	47594	No
150	GOM_TRA_1PNPDK20110407_112306_000000593101_00167_47595_0641.N1	07-APR-2011 11:23:06	Dark	59.000	38	20Eps Sgr	1.8360	11000.	118	47595	No
151	GOM_TRA_1PNPDK20110407_112717_000000593101_00167_47595_0642.N1	07-APR-2011 11:27:17	Dark	59.000	25	35Lam Sco	1.6200	28000.	118	47595	No
152	GOM_TRA_1PNPDK20110407_113438_000000443101_00167_47595_0643.N1	07-APR-2011 11:34:38	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	47595	No
153	GOM_TRA_1PNPDK20110407_113614_000000463101_00167_47595_0644.N1	07-APR-2011 11:36:14	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	47595	No
154	GOM_TRA_1PNPDK20110407_113847_000000513101_00167_47595_0645.N1	07-APR-2011 11:38:47	Straylight	50.500	54	5The Cen	2.0550	4500.0	101	47595	No
155	GOM_TRA_1PNPDK20110407_114351_000000473101_00167_47595_0646.N1	07-APR-2011 11:43:51	Twilight_and_stray	46.500	169	46Gam Hya	2.9910	4700.0	93	47595	No
156	GOM_TRA_1PNPDK20110407_114622_000000403101_00167_47595_0647.N1	07-APR-2011 11:46:22	Twilight_and_stray	40.000	163	7Del Crv	2.9450	11000.	80	47595	No
157	GOM_TRA_1PNPDK20110407_114746_000000553101_00167_47595_0690.N1	07-APR-2011 11:47:46	Bright	54.500	15	67Alp Vir	0.97600	28000.	109	47595	No
158	GOM_TRA_1PNPDK20110407_115053_000000413101_00167_47595_0691.N1	07-APR-2011 11:50:53	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	47595	No
159	GOM_TRA_1PNPDK20110407_115502_000000443101_00167_47595_0692.N1	07-APR-2011 11:55:02	Bright	43.500	138	47Eps Vir	2.8280	4700.0	87	47595	No
160	GOM_TRA_1PNPDK20110407_120322_000000413101_00167_47595_0693.N1	07-APR-2011 12:03:22	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	47595	No
161	GOM_TRA_1PNPDK20110407_120644_000000393101_00167_47595_0694.N1	07-APR-2011 12:06:44	Bright	39.000	87	64Gam UMa	2.4330	11000.	78	47595	No
162	GOM_TRA_1PNPDK20110407_120814_000000403101_00167_47595_0695.N1	07-APR-2011 12:08:14	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	47595	No
163	GOM_TRA_1PNPDK20110407_121438_000000393101_00167_47595_0696.N1	07-APR-2011 12:14:38	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	47595	No
164	GOM_TRA_1PNPDK20110407_121649_000000483101_00167_47595_0697.N1	07-APR-2011 12:16:49	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	47595	No
165	GOM_TRA_1PNPDK20110407_122424_000000443101_00167_47595_0698.N1	07-APR-2011 12:24:24	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	47595	No
166	GOM_TRA_1PNPDK20110407_122908_000000513101_00167_47595_0699.N1	07-APR-2011 12:29:08	Bright	51.000	144	18Del Cyg	2.8600	11000.	102	47595	No
167	GOM_TRA_1PNPDK20110407_123117_000000493101_00167_47595_0700.N1	07-APR-2011 12:31:17	Bright	49.000	66	37Gam Cyg	2.2080	5900.0	98	47595	No
168	GOM_TRA_1PNPDK20110407_123332_000000483101_00167_47595_0701.N1	07-APR-2011 12:33:32	Bright	47.500	92	53Eps Cyg	2.5000	4500.0	95	47595	No
169	GOM_TRA_1PNPDK20110407_124024_000000503101_00167_47595_0702.N1	07-APR-2011 12:40:24	Twilight_and_stray	49.500	61	8Eps Peg	2.1000	3900.0	99	47595	No
170	GOM_TRA_1PNPDK20110407_124510_000000453101_00167_47595_0703.N1	07-APR-2011 12:45:10	Dark	45.000	154	22Bet Aqr	2.8990	5700.0	90	47595	No
171	GOM_TRA_1PNPDK20110407_125943_000000563101_00167_47595_0704.N1	07-APR-2011 12:59:43	Dark	55.500	103	38Zet Sgr	2.6000	9700.0	111	47595	No
172	GOM_TRA_1PNPDK20110407_130321_000000573101_00168_47596_0705.N1	07-APR-2011 13:03:21	Dark	57.000	38	20Eps Sgr	1.8360	11000.	114	47596	No
173	GOM_TRA_1PNPDK20110407_130732_000000623101_00168_47596_0706.N1	07-APR-2011 13:07:32	Dark	61.500	25	35Lam Sco	1.6200	28000.	123	47596	No
174	GOM_TRA_1PNPDK20110407_131453_000000433101_00168_47596_0707.N1	07-APR-2011 13:14:53	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	47596	No
175	GOM_TRA_1PNPDK20110407_131629_000000463101_00168_47596_0708.N1	07-APR-2011 13:16:29	Straylight	46.000	81	Eta Cen	2.3560	28000.	92	47596	No
176	GOM_TRA_1PNPDK20110407_131902_000000443101_00168_47596_0709.N1	07-APR-2011 13:19:02	Straylight	43.500	54	5The Cen	2.0550	4500.0	87	47596	No
177	GOM_TRA_1PNPDK20110407_132405_000000483101_00168_47596_0710.N1	07-APR-2011 13:24:05	Twilight_and_stray	48.000	169	46Gam Hya	2.9910	4700.0	96	47596	No
178	GOM_TRA_1PNPDK20110407_132636_000000393101_00168_47596_0732.N1	07-APR-2011 13:26:36	Twilight_and_stray	39.000	163	7Del Crv	2.9450	11000.	78	47596	No
179	GOM_TRA_1PNPDK20110407_132800_000000543101_00168_47596_0733.N1	07-APR-2011 13:28:00	Bright	54.000	15	67Alp Vir	0.97600	28000.	108	47596	No
180	GOM_TRA_1PNPDK20110407_133107_000000393101_00168_47596_0734.N1	07-APR-2011 13:31:07	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	47596	No
181	GOM_TRA_1PNPDK20110407_133515_000000443101_00168_47596_0735.N1	07-APR-2011 13:35:15	Bright	43.500	138	47Eps Vir	2.8280	4700.0	87	47596	No
182	GOM_TRA_1PNPDK20110407_134336_000000413101_00168_47596_0736.N1	07-APR-2011 13:43:36	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	47596	No
183	GOM_TRA_1PNPDK20110407_134658_000000373101_00168_47596_0737.N1	07-APR-2011 13:46:58	Bright	37.000	87	64Gam UMa	2.4330	11000.	74	47596	No
184	GOM_TRA_1PNPDK20110407_134827_000000413101_00168_47596_0738.N1	07-APR-2011 13:48:27	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	47596	No
185	GOM_TRA_1PNPDK20110407_135452_000000373101_00168_47596_0739.N1	07-APR-2011 13:54:52	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	47596	No
186	GOM_TRA_1PNPDK20110407_135702_000000463101_00168_47596_0740.N1	07-APR-2011 13:57:02	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	47596	No
187	GOM_TRA_1PNPDK20110407_140438_000000383101_00168_47596_0741.N1	07-APR-2011 14:04:38	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	47596	No
188	GOM_TRA_1PNPDK20110407_140922_000000533101_00168_47596_0742.N1	07-APR-2011 14:09:22	Bright	52.500	144	18Del Cyg	2.8600	11000.	105	47596	No
189	GOM_TRA_1PNPDK20110407_141132_000000493101_00168_47596_0743.N1	07-APR-2011 14:11:32	Bright	49.000	66	37Gam Cyg	2.2080	5900.0	98	47596	No

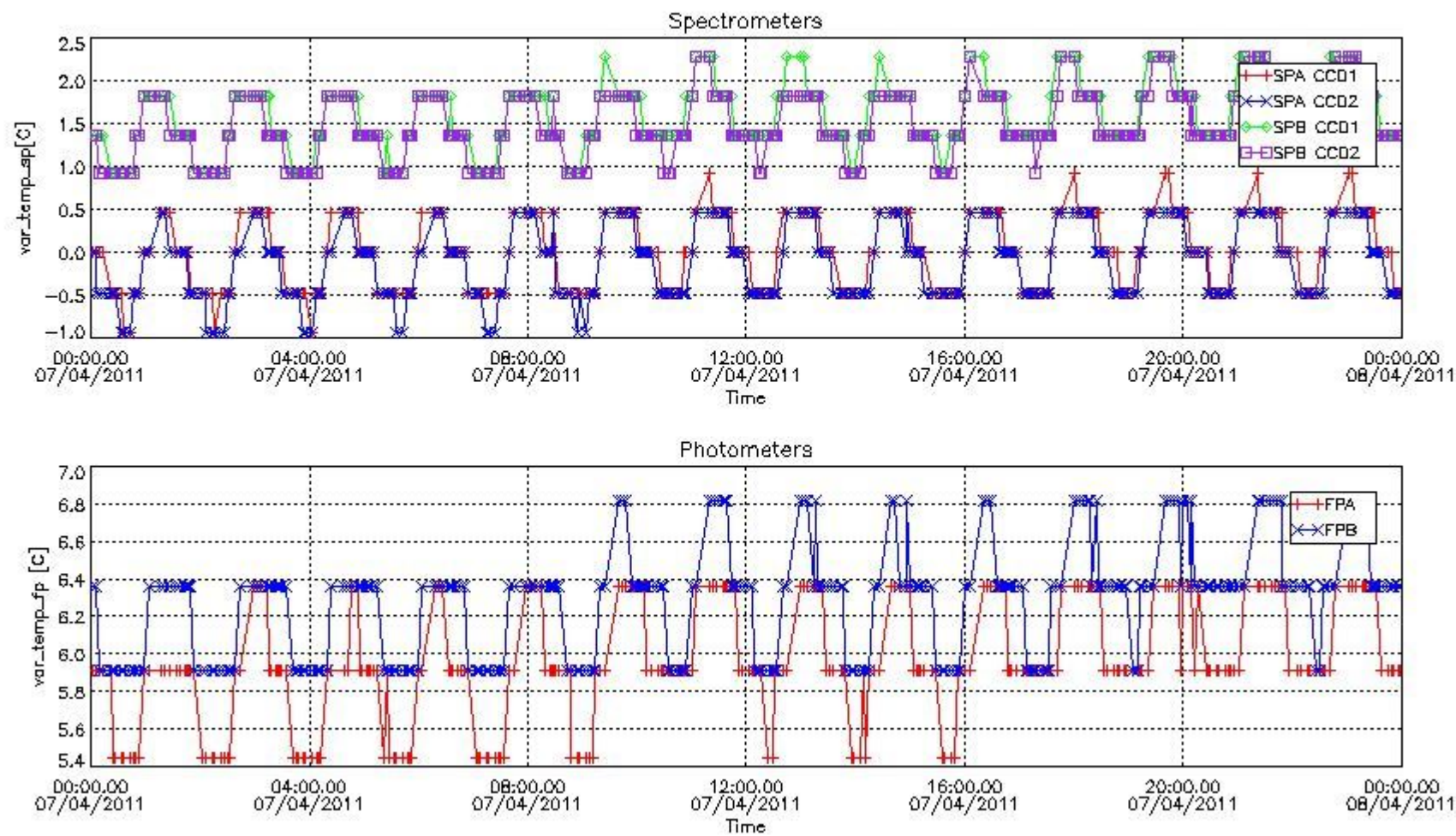
190	GOM_TRA_1PNPDK20110407_141346_000000473101_00168_47596_0744.N1	07-APR-2011 14:13:46	Bright	47.000	92	53Eps Cyg	2.5000	4500.0	94	47596	No
191	GOM_TRA_1PNPDK20110407_142038_000000443101_00168_47596_0745.N1	07-APR-2011 14:20:38	Tw_i_and_stray	44.000	61	8Eps Peg	2.1000	3900.0	88	47596	No
192	GOM_TRA_1PNPDK20110407_142524_000000463101_00168_47596_0746.N1	07-APR-2011 14:25:24	Dark	46.000	154	22Bet Aqr	2.8990	5700.0	92	47596	No
193	GOM_TRA_1PNPDK20110407_143959_000000583101_00168_47596_0747.N1	07-APR-2011 14:39:59	Dark	58.000	103	38Zet Sgr	2.6000	9700.0	116	47596	No
194	GOM_TRA_1PNPDK20110407_144337_000000593101_00169_47597_0748.N1	07-APR-2011 14:43:37	Dark	58.500	38	20Eps Sgr	1.8360	11000.	117	47597	No
195	GOM_TRA_1PNPDK20110407_144747_000000603101_00169_47597_0749.N1	07-APR-2011 14:47:47	Dark	60.000	25	35Lam Sco	1.6200	28000.	120	47597	No
196	GOM_TRA_1PNPDK20110407_145508_000000433101_00169_47597_0750.N1	07-APR-2011 14:55:08	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	47597	No
197	GOM_TRA_1PNPDK20110407_145644_000000463101_00169_47597_0751.N1	07-APR-2011 14:56:44	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	47597	No
198	GOM_TRA_1PNPDK20110407_145916_000000513101_00169_47597_0752.N1	07-APR-2011 14:59:16	Straylight	51.000	54	5The Cen	2.0550	4500.0	102	47597	No
199	GOM_TRA_1PNPDK20110407_150419_000000493101_00169_47597_0781.N1	07-APR-2011 15:04:19	Tw_i_and_stray	48.500	169	46Gam Hya	2.9910	4700.0	97	47597	No
200	GOM_TRA_1PNPDK20110407_150650_000000423101_00169_47597_0782.N1	07-APR-2011 15:06:50	Tw_i_and_stray	41.500	163	7Del Crv	2.9450	11000.	83	47597	No
201	GOM_TRA_1PNPDK20110407_150814_000000483101_00169_47597_0783.N1	07-APR-2011 15:08:14	Bright	47.500	15	67Alp Vir	0.97600	28000.	95	47597	No
202	GOM_TRA_1PNPDK20110407_151121_000000423101_00169_47597_0784.N1	07-APR-2011 15:11:21	Bright	41.500	121	29Gam Vir	2.7400	7200.0	83	47597	No
203	GOM_TRA_1PNPDK20110407_151529_000000443101_00169_47597_0785.N1	07-APR-2011 15:15:29	Bright	43.500	138	47Eps Vir	2.8280	4700.0	87	47597	No
204	GOM_TRA_1PNPDK20110407_152349_000000393101_00169_47597_0786.N1	07-APR-2011 15:23:49	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	47597	No
205	GOM_TRA_1PNPDK20110407_152711_000000393101_00169_47597_0787.N1	07-APR-2011 15:27:11	Bright	38.500	87	64Gam UMa	2.4330	11000.	77	47597	No
206	GOM_TRA_1PNPDK20110407_152841_000000403101_00169_47597_0788.N1	07-APR-2011 15:28:41	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	47597	No
207	GOM_TRA_1PNPDK20110407_153505_000000413101_00169_47597_0789.N1	07-APR-2011 15:35:05	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	47597	No
208	GOM_TRA_1PNPDK20110407_153715_000000493101_00169_47597_0790.N1	07-APR-2011 15:37:15	Bright	49.000	119	14Eta Dra	2.7270	4700.0	98	47597	No
209	GOM_TRA_1PNPDK20110407_154452_000000383101_00169_47597_0791.N1	07-APR-2011 15:44:52	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	47597	No
210	GOM_TRA_1PNPDK20110407_154935_000000543101_00169_47597_0792.N1	07-APR-2011 15:49:35	Bright	53.500	144	18Del Cyg	2.8600	11000.	107	47597	No
211	GOM_TRA_1PNPDK20110407_155146_000000503101_00169_47597_0793.N1	07-APR-2011 15:51:46	Bright	49.500	66	37Gam Cyg	2.2080	5900.0	99	47597	No
212	GOM_TRA_1PNPDK20110407_155400_000000453101_00169_47597_0794.N1	07-APR-2011 15:54:00	Bright	45.000	92	53Eps Cyg	2.5000	4500.0	90	47597	No
213	GOM_TRA_1PNPDK20110407_160052_000000483101_00169_47597_0795.N1	07-APR-2011 16:00:52	Tw_i_and_stray	48.000	61	8Eps Peg	2.1000	3900.0	96	47597	No
214	GOM_TRA_1PNPDK20110407_160539_000000473101_00169_47597_0796.N1	07-APR-2011 16:05:39	Dark	47.000	154	22Bet Aqr	2.8990	5700.0	94	47597	No
215	GOM_TRA_1PNPDK20110407_162014_000000563101_00169_47597_0797.N1	07-APR-2011 16:20:14	Dark	56.000	103	38Zet Sgr	2.6000	9700.0	112	47597	No
216	GOM_TRA_1PNPDK20110407_162352_000000583101_00170_47598_0798.N1	07-APR-2011 16:23:52	Dark	58.000	38	20Eps Sgr	1.8360	11000.	116	47598	No
217	GOM_TRA_1PNPDK20110407_162803_000000603101_00170_47598_0799.N1	07-APR-2011 16:28:03	Dark	60.000	25	35Lam Sco	1.6200	28000.	120	47598	No
218	GOM_TRA_1PNPDK20110407_163522_000000473101_00170_47598_0800.N1	07-APR-2011 16:35:22	Straylight	46.500	78	Alp Lup	2.3040	28000.	93	47598	No
219	GOM_TRA_1PNPDK20110407_163658_000000493101_00170_47598_0801.N1	07-APR-2011 16:36:58	Straylight	49.000	81	Eta Cen	2.3560	28000.	98	47598	No
220	GOM_TRA_1PNPDK20110407_163930_000000513101_00170_47598_0802.N1	07-APR-2011 16:39:30	Straylight	50.500	54	5The Cen	2.0550	4500.0	101	47598	No
221	GOM_TRA_1PNPDK20110407_164433_000000493101_00170_47598_0832.N1	07-APR-2011 16:44:33	Tw_i_and_stray	49.000	169	46Gam Hya	2.9910	4700.0	98	47598	No
222	GOM_TRA_1PNPDK20110407_164704_000000453101_00170_47598_0833.N1	07-APR-2011 16:47:04	Tw_i_and_stray	44.500	163	7Del Crv	2.9450	11000.	89	47598	No
223	GOM_TRA_1PNPDK20110407_164828_000000553101_00170_47598_0834.N1	07-APR-2011 16:48:28	Bright	54.500	15	67Alp Vir	0.97600	28000.	109	47598	No
224	GOM_TRA_1PNPDK20110407_165135_000000413101_00170_47598_0835.N1	07-APR-2011 16:51:35	Bright	41.000	121	29Gam Vir	2.7400	7200.0	82	47598	No
225	GOM_TRA_1PNPDK20110407_165543_000000413101_00170_47598_0836.N1	07-APR-2011 16:55:43	Bright	40.500	138	47Eps Vir	2.8280	4700.0	81	47598	No
226	GOM_TRA_1PNPDK20110407_170403_000000403101_00170_47598_0837.N1	07-APR-2011 17:04:03	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	47598	No
227	GOM_TRA_1PNPDK20110407_170725_000000453101_00170_47598_0838.N1	07-APR-2011 17:07:25	Bright	44.500	87	64Gam UMa	2.4330	11000.	89	47598	No
228	GOM_TRA_1PNPDK20110407_170855_000000493101_00170_47598_0839.N1	07-APR-2011 17:08:55	Bright	48.500	32	77Eps UMa	1.7630	11000.	97	47598	No
229	GOM_TRA_1PNPDK20110407_171519_000000403101_00170_47598_0840.N1	07-APR-2011 17:15:19	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47598	No
230	GOM_TRA_1PNPDK20110407_171729_000000493101_00170_47598_0841.N1	07-APR-2011 17:17:29	Bright	49.000	119	14Eta Dra	2.7270	4700.0	98	47598	No
231	GOM_TRA_1PNPDK20110407_172506_000000443101_00170_47598_0842.N1	07-APR-2011 17:25:06	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	47598	No
232	GOM_TRA_1PNPDK20110407_172949_000000523101_00170_47598_0843.N1	07-APR-2011 17:29:49	Bright	51.500	144	18Del Cyg	2.8600	11000.	103	47598	No
233	GOM_TRA_1PNPDK20110407_173159_000000483101_00170_47598_0844.N1	07-APR-2011 17:31:59	Bright	48.000	66	37Gam Cyg	2.2080	5900.0	96	47598	No
234	GOM_TRA_1PNPDK20110407_173414_000000473101_00170_47598_0845.N1	07-APR-2011 17:34:14	Bright	46.500	92	53Eps Cyg	2.5000	4500.0	93	47598	No
235	GOM_TRA_1PNPDK20110407_174107_000000493101_00170_47598_0846.N1	07-APR-2011 17:41:07	Tw_i_and_stray	48.500	61	8Eps Peg	2.1000	3900.0	97	47598	No
236	GOM_TRA_1PNPDK20110407_174553_000000433101_00170_47598_0847.N1	07-APR-2011 17:45:53	Dark	43.000	154	22Bet Aqr	2.8990	5700.0	86	47598	No
237	GOM_TRA_1PNPDK20110407_180029_000000583101_00170_47598_0848.N1	07-APR-2011 18:00:29	Dark	57.500	103	38Zet Sgr	2.6000	9700.0	115	47598	No
238	GOM_TRA_1PNPDK20110407_180407_000000593101_00171_47599_0849.N1	07-APR-2011 18:04:07	Dark	58.500	38	20Eps Sgr	1.8360	11000.	117	47599	No
239	GOM_TRA_1PNPDK20110407_180818_000000613101_00171_47599_0850.N1	07-APR-2011 18:08:18	Dark	61.000	25	35Lam Sco	1.6200	28000.	122	47599	No
240	GOM_TRA_1PNPDK20110407_181536_000000433101_00171_47599_0851.N1	07-APR-2011 18:15:36	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	47599	No
241	GOM_TRA_1PNPDK20110407_181713_000000463101_00171_47599_0852.N1	07-APR-2011 18:17:13	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	47599	No
242	GOM_TRA_1PNPDK20110407_181945_000000533101_00171_47599_0854.N1	07-APR-2011 18:19:45	Straylight	52.500	54	5The Cen	2.0550	4500.0	105	47599	No
243	GOM_TRA_1PNPDK20110407_182448_000000493101_00171_47599_0855.N1	07-APR-2011 18:24:48	Tw_i_and_stray	48.500	169	46Gam Hya	2.9910	4700.0	97	47599	No
244	GOM_TRA_1PNPDK20110407_182718_000000443101_00171_47599_0856.N1	07-APR-2011 18:27:18	Tw_i_and_stray	43.500	163	7Del Crv	2.9450	11000.	87	47599	No
245	GOM_TRA_1PNPDK20110407_182842_000000513101_00171_47599_0857.N1	07-APR-2011 18:28:42	Bright	51.000	15	67Alp Vir	0.97600	28000.	102	47599	No
246	GOM_TRA_1PNPDK20110407_183149_000000423101_00171_47599_0858.N1	07-APR-2011 18:31:49	Bright	41.500	121	29Gam Vir	2.7400	7200.0	83	47599	No
247	GOM_TRA_1PNPDK20110407_183556_000000633101_00171_47599_0859.N1	07-APR-2011 18:35:56	Bright	63.000	138	47Eps Vir	2.8280	4700.0	126	47599	No
248	GOM_TRA_1PNPDK20110407_184416_000000423101_00171_47599_0860.N1	07-APR-2011 18:44:16	Bright	41.500	152	12Alp2CVn	2.8900	11000.	83	47599	No



249	GOM_TRA_1PNPDK20110407_184739_000000363101_00171_47599_0861.N1	07-APR-2011 18:47:39	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	47599	No
250	GOM_TRA_1PNPDK20110407_184908_000000583101_00171_47599_0862.N1	07-APR-2011 18:49:08	Bright	58.000	32	77Eps UMa	1.7630	11000.	116	47599	No
251	GOM_TRA_1PNPDK20110407_185533_000000383101_00171_47599_0863.N1	07-APR-2011 18:55:33	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	47599	No
252	GOM_TRA_1PNPDK20110407_185742_000000473101_00171_47599_0864.N1	07-APR-2011 18:57:42	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	47599	No
253	GOM_TRA_1PNPDK20110407_190519_000000373101_00171_47599_0865.N1	07-APR-2011 19:05:19	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	47599	No
254	GOM_TRA_1PNPDK20110407_191003_000000483101_00171_47599_0866.N1	07-APR-2011 19:10:03	Bright	48.000	144	18Del Cyg	2.8600	11000.	96	47599	No
255	GOM_TRA_1PNPDK20110407_191213_000000593101_00171_47599_0867.N1	07-APR-2011 19:12:13	Bright	59.000	66	37Gam Cyg	2.2080	5900.0	118	47599	No
256	GOM_TRA_1PNPDK20110407_191428_000000493101_00171_47599_0868.N1	07-APR-2011 19:14:28	Bright	49.000	92	53Eps Cyg	2.5000	4500.0	98	47599	No
257	GOM_TRA_1PNPDK20110407_192121_000000503101_00171_47599_0869.N1	07-APR-2011 19:21:21	Twilight	50.000	61	8Eps Peg	2.1000	3900.0	100	47599	No
258	GOM_TRA_1PNPDK20110407_192608_000000473101_00171_47599_0870.N1	07-APR-2011 19:26:08	Dark	46.500	154	22Bet Aqr	2.8990	5700.0	93	47599	No
259	GOM_TRA_1PNPDK20110407_194045_000000563101_00171_47599_0871.N1	07-APR-2011 19:40:45	Dark	55.500	103	38Zet Sgr	2.6000	9700.0	111	47599	No
260	GOM_TRA_1PNPDK20110407_194423_000000593101_00172_47600_0872.N1	07-APR-2011 19:44:23	Dark	59.000	38	20Eps Sgr	1.8360	11000.	118	47600	No
261	GOM_TRA_1PNPDK20110407_194834_000000593101_00172_47600_0873.N1	07-APR-2011 19:48:34	Dark	59.000	25	35Lam Sco	1.6200	28000.	118	47600	No
262	GOM_TRA_1PNPDK20110407_195551_000000443101_00172_47600_0874.N1	07-APR-2011 19:55:51	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	47600	No
263	GOM_TRA_1PNPDE20110407_195727_000000493101_00172_47600_3527.N1	07-APR-2011 19:57:27	Straylight	48.500	81	Eta Cen	2.3560	28000.	97	47600	Yes
264	GOM_TRA_1PNPDE20110407_195959_000000533101_00172_47600_3528.N1	07-APR-2011 19:59:59	Straylight	53.000	54	5The Cen	2.0550	4500.0	106	47600	No
265	GOM_TRA_1PNPDE20110407_200502_000000473101_00172_47600_3529.N1	07-APR-2011 20:05:02	Twilight	47.000	169	46Gam Hya	2.9910	4700.0	94	47600	No
266	GOM_TRA_1PNPDE20110407_200732_000000433101_00172_47600_3530.N1	07-APR-2011 20:07:32	Twilight	42.500	163	7Del Crv	2.9450	11000.	85	47600	No
267	GOM_TRA_1PNPDE20110407_200856_000000533101_00172_47600_3531.N1	07-APR-2011 20:08:56	Bright	53.000	15	67Alp Vir	0.97600	28000.	106	47600	No
268	GOM_TRA_1PNPDE20110407_201203_000000393101_00172_47600_3532.N1	07-APR-2011 20:12:03	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	47600	No
269	GOM_TRA_1PNPDE20110407_201610_000000433101_00172_47600_3533.N1	07-APR-2011 20:16:10	Bright	43.000	138	47Eps Vir	2.8280	4700.0	86	47600	No
270	GOM_TRA_1PNPDE20110407_202430_000000613101_00172_47600_3534.N1	07-APR-2011 20:24:30	Bright	60.500	152	12Alp2CVn	2.8900	11000.	121	47600	No
271	GOM_TRA_1PNPDE20110407_202753_000000433101_00172_47600_3535.N1	07-APR-2011 20:27:53	Bright	42.500	87	64Gam UMa	2.4330	11000.	85	47600	No
272	GOM_TRA_1PNPDE20110407_202922_000000413101_00172_47600_3536.N1	07-APR-2011 20:29:22	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	47600	No
273	GOM_TRA_1PNPDE20110407_203546_000000413101_00172_47600_3537.N1	07-APR-2011 20:35:46	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	47600	No
274	GOM_TRA_1PNPDE20110407_203755_000000503101_00172_47600_3538.N1	07-APR-2011 20:37:55	Bright	49.500	119	14Eta Dra	2.7270	4700.0	99	47600	No
275	GOM_TRA_1PNPDE20110407_204533_000000353101_00172_47600_3539.N1	07-APR-2011 20:45:33	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	47600	No
276	GOM_TRA_1PNPDE20110407_205016_000000493101_00172_47600_3540.N1	07-APR-2011 20:50:16	Bright	49.000	144	18Del Cyg	2.8600	11000.	98	47600	No
277	GOM_TRA_1PNPDE20110407_205227_000000503101_00172_47600_3541.N1	07-APR-2011 20:52:27	Bright	49.500	66	37Gam Cyg	2.2080	5900.0	99	47600	No
278	GOM_TRA_1PNPDE20110407_205442_000000463101_00172_47600_3542.N1	07-APR-2011 20:54:42	Bright	46.000	92	53Eps Cyg	2.5000	4500.0	92	47600	No
279	GOM_TRA_1PNPDE20110407_210135_000000483101_00172_47600_3543.N1	07-APR-2011 21:01:35	Twilight	48.000	61	8Eps Peg	2.1000	3900.0	96	47600	No
280	GOM_TRA_1PNPDE20110407_210622_000000473101_00172_47600_3552.N1	07-APR-2011 21:06:22	Dark	47.000	154	22Bet Aqr	2.8990	5700.0	94	47600	No
281	GOM_TRA_1PNPDE20110407_212100_000000583101_00172_47600_3553.N1	07-APR-2011 21:21:00	Dark	58.000	103	38Zet Sgr	2.6000	9700.0	116	47600	No
282	GOM_TRA_1PNPDE20110407_212438_000000603101_00173_47601_3554.N1	07-APR-2011 21:24:38	Dark	59.500	38	20Eps Sgr	1.8360	11000.	119	47601	No
283	GOM_TRA_1PNPDE20110407_212849_000000603101_00173_47601_3555.N1	07-APR-2011 21:28:49	Dark	59.500	25	35Lam Sco	1.6200	28000.	119	47601	No
284	GOM_TRA_1PNPDE20110407_213605_000000453101_00173_47601_3556.N1	07-APR-2011 21:36:05	Straylight	45.000	78	Alp Lup	2.3040	28000.	90	47601	No
285	GOM_TRA_1PNPDE20110407_213742_000000463101_00173_47601_3557.N1	07-APR-2011 21:37:42	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	47601	No
286	GOM_TRA_1PNPDE20110407_214014_000000503101_00173_47601_3558.N1	07-APR-2011 21:40:14	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	47601	No
287	GOM_TRA_1PNPDE20110407_214516_000000483101_00173_47601_3559.N1	07-APR-2011 21:45:16	Twilight	47.500	169	46Gam Hya	2.9910	4700.0	95	47601	No
288	GOM_TRA_1PNPDE20110407_214746_000000433101_00173_47601_3560.N1	07-APR-2011 21:47:46	Twilight	42.500	163	7Del Crv	2.9450	11000.	85	47601	No
289	GOM_TRA_1PNPDE20110407_214910_000000523101_00173_47601_3561.N1	07-APR-2011 21:49:10	Bright	52.000	15	67Alp Vir	0.97600	28000.	104	47601	No
290	GOM_TRA_1PNPDE20110407_215217_000000403101_00173_47601_3562.N1	07-APR-2011 21:52:17	Bright	40.000	121	29Gam Vir	2.7400	7200.0	80	47601	No
291	GOM_TRA_1PNPDE20110407_215624_000000443101_00173_47601_3563.N1	07-APR-2011 21:56:24	Bright	43.500	138	47Eps Vir	2.8280	4700.0	87	47601	No
292	GOM_TRA_1PNPDE20110407_220443_000000413101_00173_47601_3564.N1	07-APR-2011 22:04:43	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	47601	No
293	GOM_TRA_1PNPDE20110407_220807_000000363101_00173_47601_3565.N1	07-APR-2011 22:08:07	Bright	36.000	87	64Gam UMa	2.4330	11000.	72	47601	No
294	GOM_TRA_1PNPDE20110407_220935_000000393101_00173_47601_3566.N1	07-APR-2011 22:09:35	Bright	38.500	32	77Eps UMa	1.7630	11000.	77	47601	No
295	GOM_TRA_1PNPDE20110407_221600_000000403101_00173_47601_3567.N1	07-APR-2011 22:16:00	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47601	No
296	GOM_TRA_1PNPDE20110407_221808_000000493101_00173_47601_3568.N1	07-APR-2011 22:18:08	Bright	48.500	119	14Eta Dra	2.7270	4700.0	97	47601	No
297	GOM_TRA_1PNPDE20110407_222547_000000403101_00173_47601_3569.N1	07-APR-2011 22:25:47	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	47601	No
298	GOM_TRA_1PNPDE20110407_223030_000000513101_00173_47601_3570.N1	07-APR-2011 22:30:30	Bright	50.500	144	18Del Cyg	2.8600	11000.	101	47601	No
299	GOM_TRA_1PNPDE20110407_223241_000000513101_00173_47601_3571.N1	07-APR-2011 22:32:41	Bright	50.500	66	37Gam Cyg	2.2080	5900.0	101	47601	No
300	GOM_TRA_1PNPDE20110407_223456_000000483101_00173_47601_3572.N1	07-APR-2011 22:34:56	Bright	48.000	92	53Eps Cyg	2.5000	4500.0	96	47601	No
301	GOM_TRA_1PNPDE20110407_224150_000000463101_00173_47601_3573.N1	07-APR-2011 22:41:50	Twilight	46.000	61	8Eps Peg	2.1000	3900.0	92	47601	No
302	GOM_TRA_1PNPDE20110407_224637_000000473101_00173_47601_3574.N1	07-APR-2011 22:46:37	Dark	47.000	154	22Bet Aqr	2.8990	5700.0	94	47601	No
303	GOM_TRA_1PNPDE20110407_230115_000000573101_00173_47601_3571.N1	07-APR-2011 23:01:15	Dark	56.500	103	38Zet Sgr	2.6000	9700.0	113	47601	No
304	GOM_TRA_1PNPDE20110407_230454_000000583101_00174_47602_3572.N1	07-APR-2011 23:04:54	Dark	58.000	38	20Eps Sgr	1.8360	11000.	116	47602	No
305	GOM_TRA_1PNPDE20110407_230904_000000593101_00174_47602_3573.N1	07-APR-2011 23:09:04	Dark	59.000	25	35Lam Sco	1.6200	28000.	118	47602	No
306	GOM_TRA_1PNPDE20110407_231620_000000423101_00174_47602_3574.N1	07-APR-2011 23:16:20	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	47602	No
307	GOM_TRA_1PNPDE20110407_231756_000000473101_00174_47602_3575.N1	07-APR-2011 23:17:56	Straylight	47.000	81	Eta Cen	2.3560	28000.	94	47602	No

308	GOM_TRA_1PNPDE20110407_232028_000000513101_00174_47602_3576.N1	07-APR-2011 23:20:28	Straylight	50.500	54	5The Cen	2.0550	4500.0	101	47602	No
309	GOM_TRA_1PNPDE20110407_232530_000000453101_00174_47602_3577.N1	07-APR-2011 23:25:30	Twilight_stray	45.000	169	46Gam Hya	2.9910	4700.0	90	47602	No
310	GOM_TRA_1PNPDE20110407_232800_000000453101_00174_47602_3578.N1	07-APR-2011 23:28:00	Twilight_stray	44.500	163	7Del Crv	2.9450	11000.	89	47602	No
311	GOM_TRA_1PNPDE20110407_232924_000000523101_00174_47602_3579.N1	07-APR-2011 23:29:24	Bright	52.000	15	67Alp Vir	0.97600	28000.	104	47602	No
312	GOM_TRA_1PNPDE20110407_233230_000000413101_00174_47602_3580.N1	07-APR-2011 23:32:30	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	47602	No
313	GOM_TRA_1PNPDE20110407_233637_000000423101_00174_47602_3581.N1	07-APR-2011 23:36:37	Bright	42.000	138	47Eps Vir	2.8280	4700.0	84	47602	No
314	GOM_TRA_1PNPDE20110407_234457_000000393101_00174_47602_3582.N1	07-APR-2011 23:44:57	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	47602	No
315	GOM_TRA_1PNPDE20110407_234821_000000373101_00174_47602_3583.N1	07-APR-2011 23:48:21	Bright	37.000	87	64Gam UMa	2.4330	11000.	74	47602	No
316	GOM_TRA_1PNPDE20110407_234949_000000403101_00174_47602_3584.N1	07-APR-2011 23:49:49	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	47602	No
317	GOM_TRA_1PNPDE20110407_235613_000000383101_00174_47602_3585.N1	07-APR-2011 23:56:13	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	47602	No
318	GOM_TRA_1PNPDE20110407_235822_000000473101_00174_47602_3586.N1	07-APR-2011 23:58:22	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	47602	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).

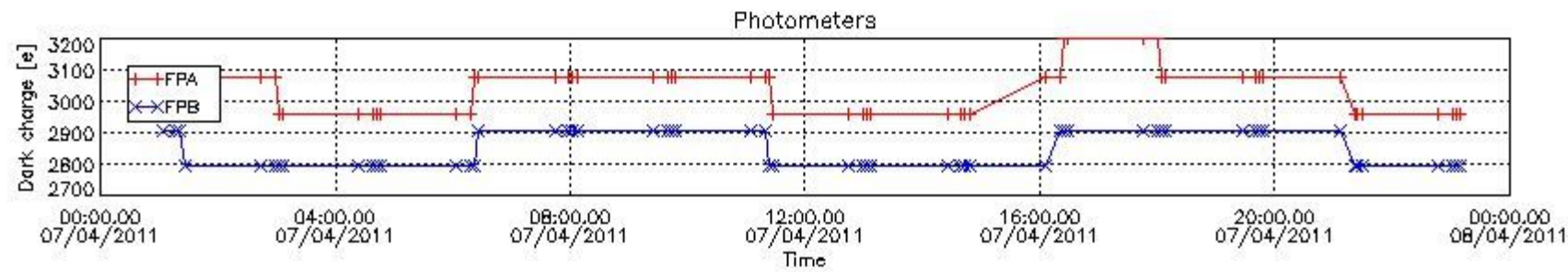
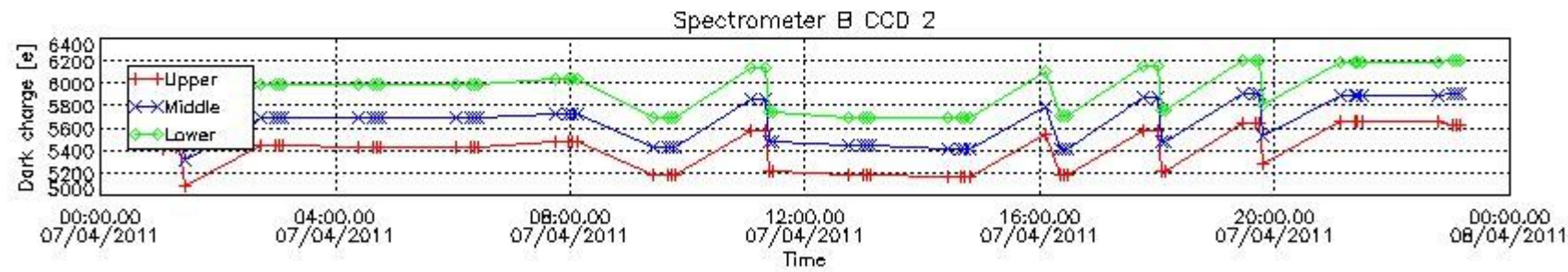
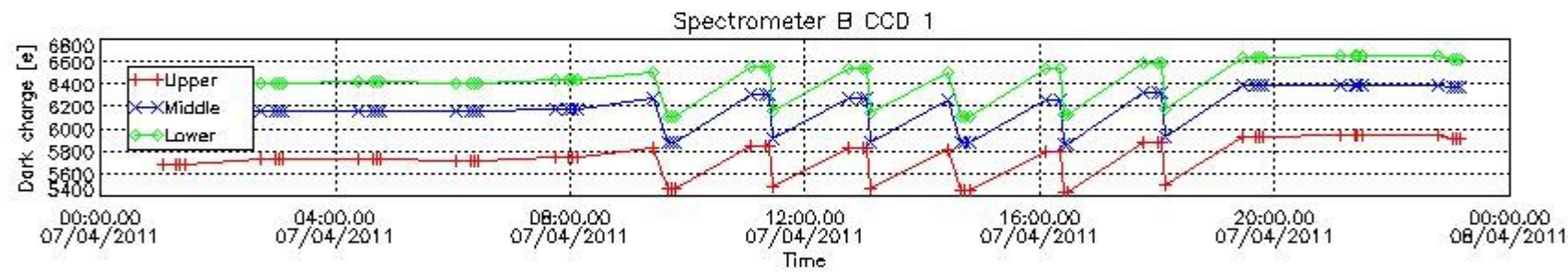
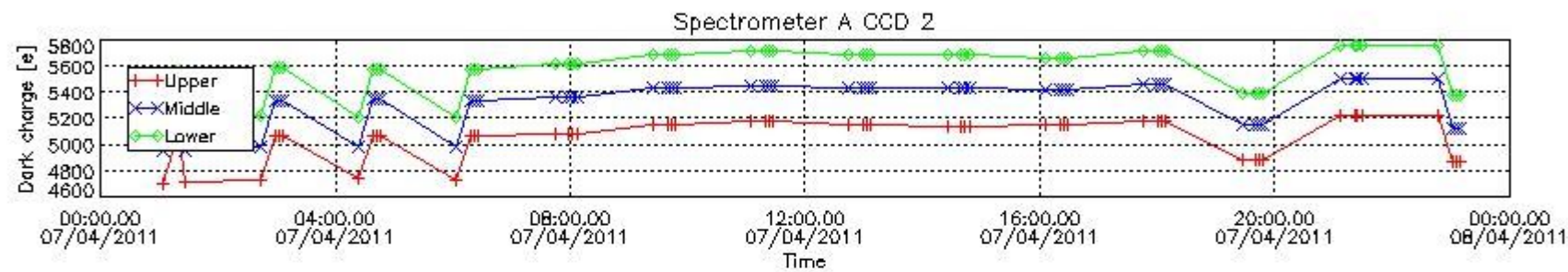
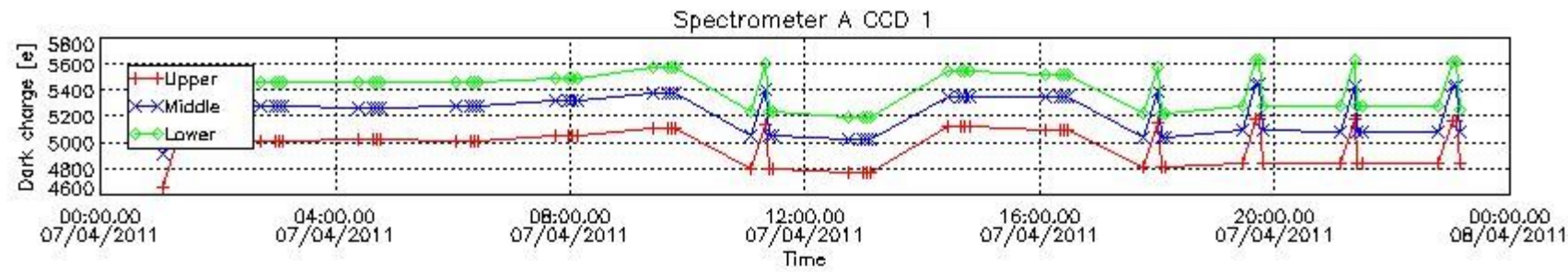
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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



Product name	DC information
GOM_TRA_1PNPDE20110407_195727_000000493101_00172_47600_3527.N1	DC map with no T dep.
GOM_TRA_1PNPDE20110407_195959_000000533101_00172_47600_3528.N1	DC map used
GOM_TRA_1PNPDE20110407_200502_000000473101_00172_47600_3529.N1	DC map used
GOM_TRA_1PNPDE20110407_200732_000000433101_00172_47600_3530.N1	DC map used
GOM_TRA_1PNPDE20110407_200856_000000533101_00172_47600_3531.N1	DC map used
GOM_TRA_1PNPDE20110407_201203_000000393101_00172_47600_3532.N1	DC map used
GOM_TRA_1PNPDE20110407_201610_000000433101_00172_47600_3533.N1	DC map used
GOM_TRA_1PNPDE20110407_202430_000000613101_00172_47600_3534.N1	DC map used
GOM_TRA_1PNPDE20110407_202753_000000433101_00172_47600_3535.N1	DC map used
GOM_TRA_1PNPDE20110407_202922_000000413101_00172_47600_3536.N1	DC map used
GOM_TRA_1PNPDE20110407_203546_000000413101_00172_47600_3537.N1	DC map used
GOM_TRA_1PNPDE20110407_203755_000000503101_00172_47600_3538.N1	DC map used
GOM_TRA_1PNPDE20110407_204533_000000353101_00172_47600_3539.N1	DC map used
GOM_TRA_1PNPDE20110407_205016_000000493101_00172_47600_3540.N1	DC map used
GOM_TRA_1PNPDE20110407_205227_000000503101_00172_47600_3541.N1	DC map used
GOM_TRA_1PNPDE20110407_205442_000000463101_00172_47600_3542.N1	DC map used
GOM_TRA_1PNPDE20110407_210135_000000483101_00172_47600_3543.N1	DC map used

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



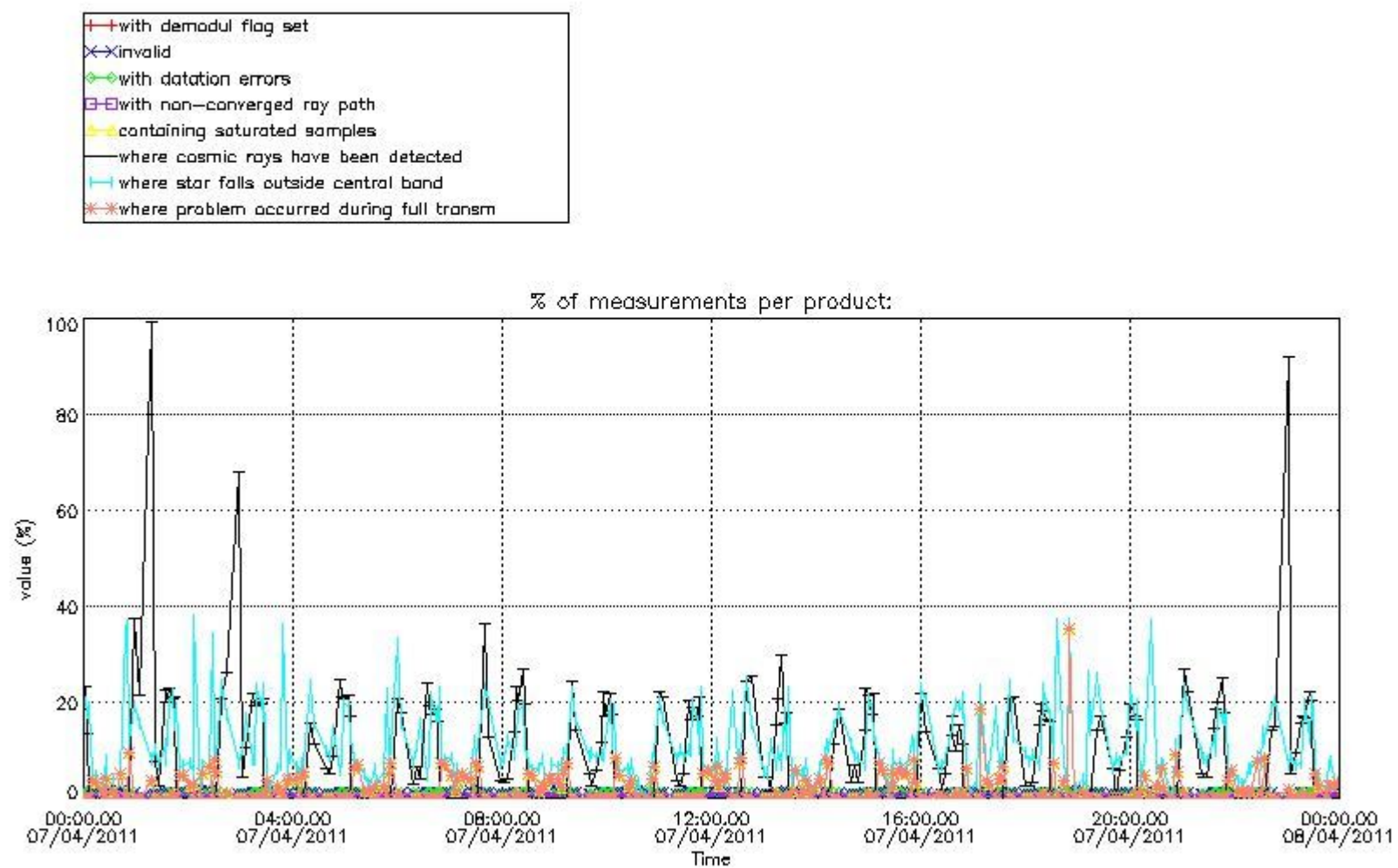
## 5. Demodulation flag and quality information monitoring

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:

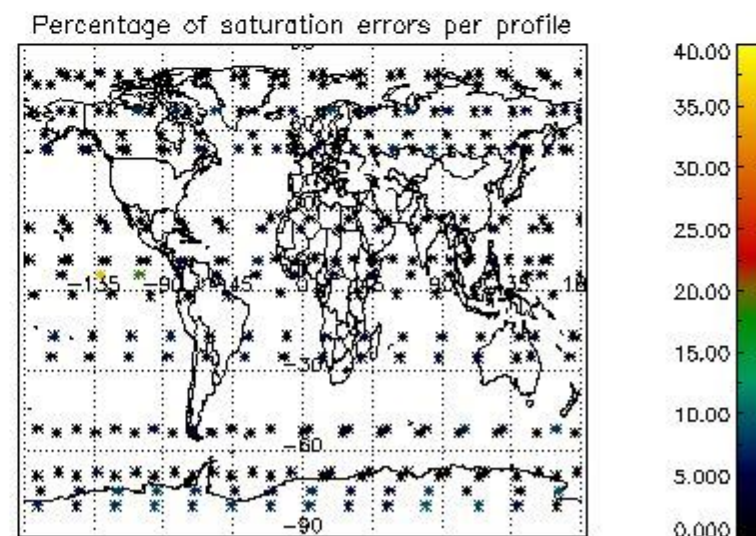
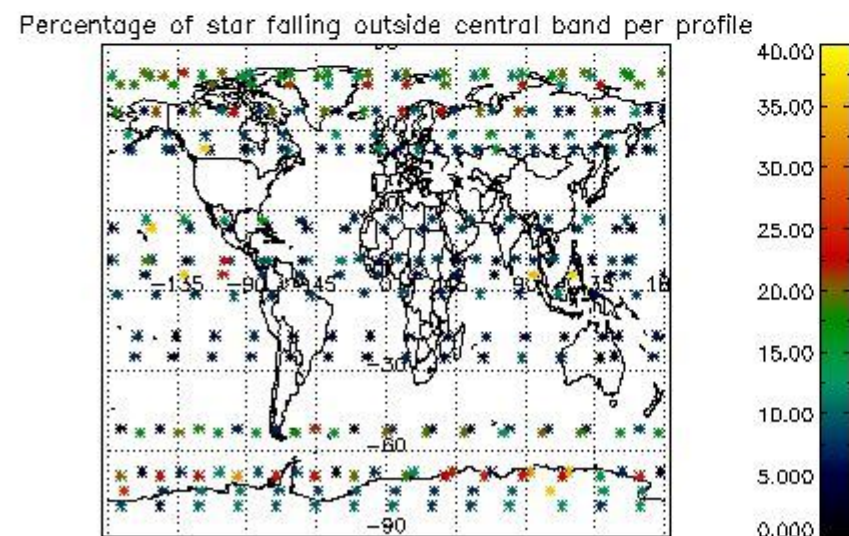
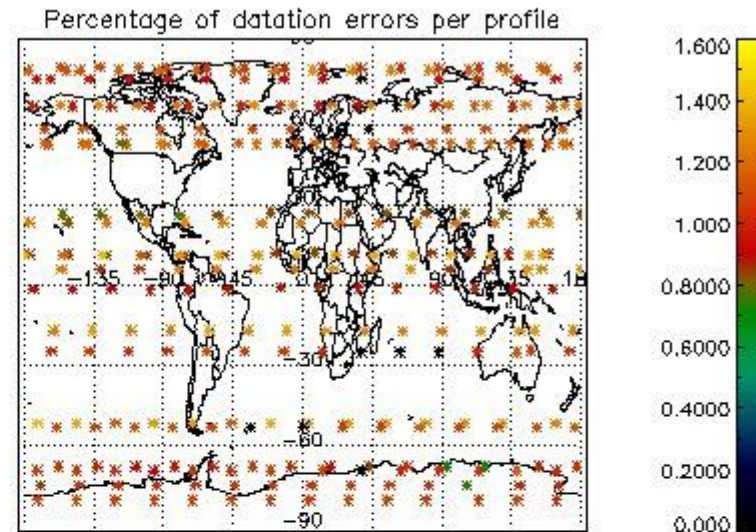
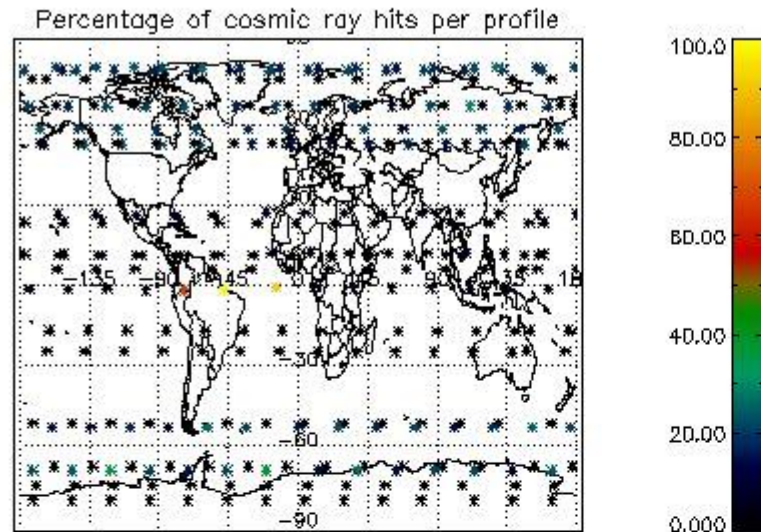
At least one measurement with demodulation flag set:	41.7722 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)





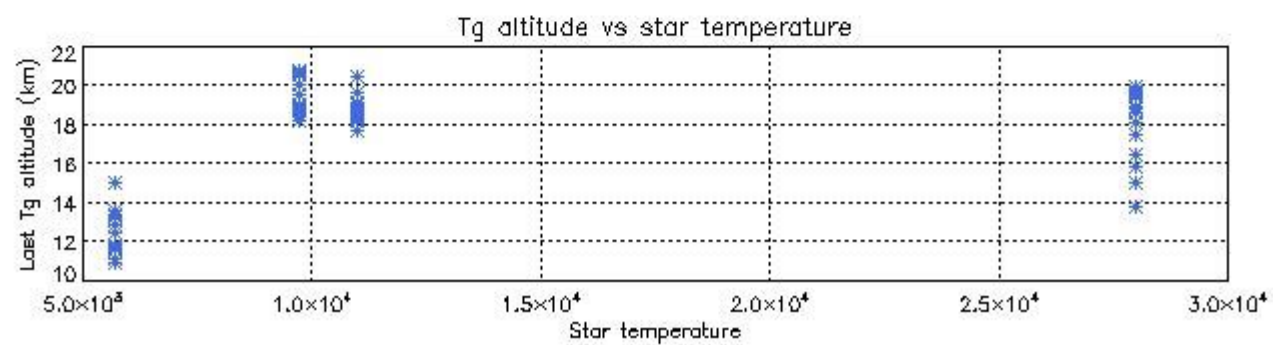
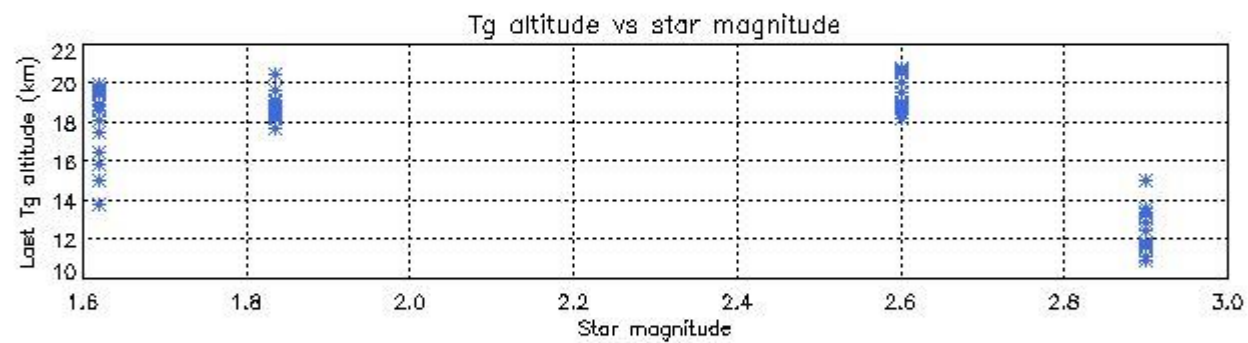
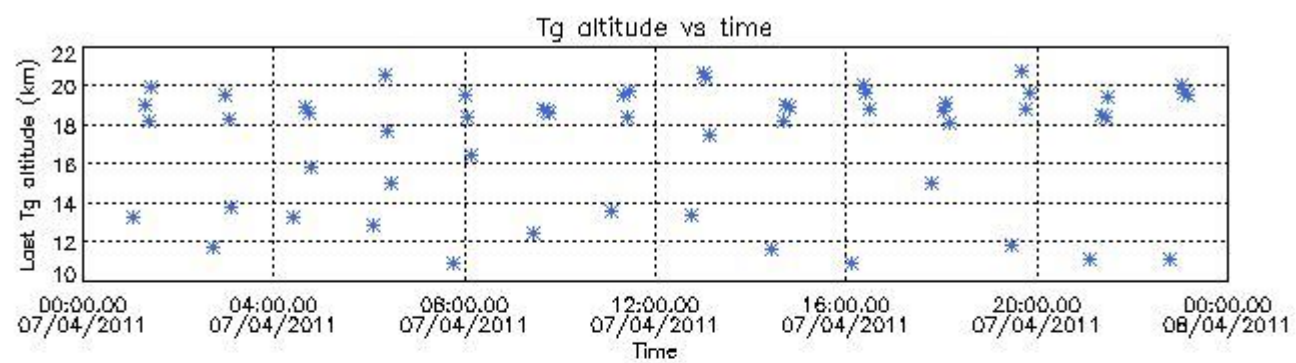
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	17.161	19.123	NaN
St. deviation:	3.0939	5.0470	NaN
Maximum:	20.755	28.466	NaN
Minimum:	10.925	3.4050	NaN
Number of data:	56.000	175.00	NaN

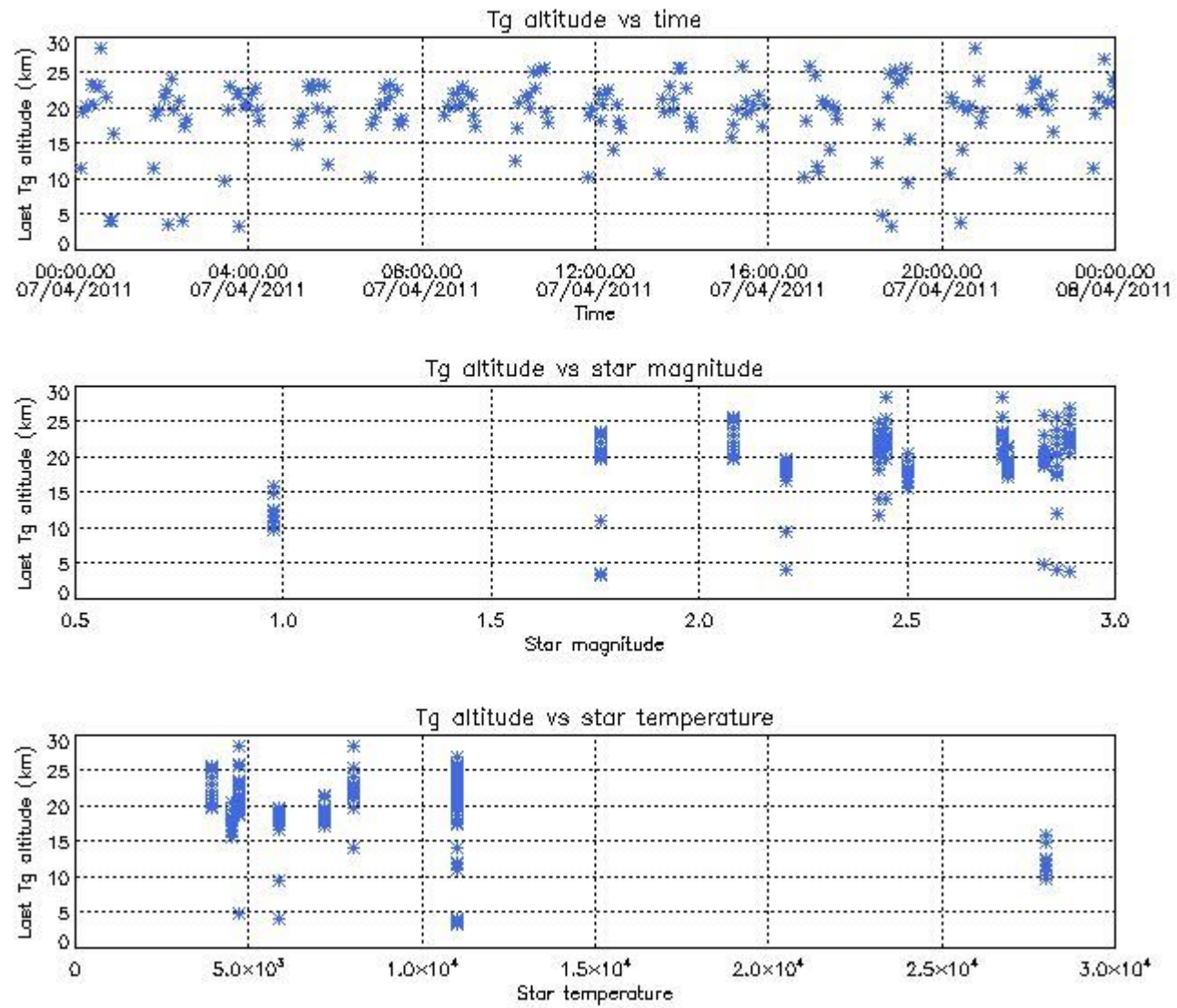
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost



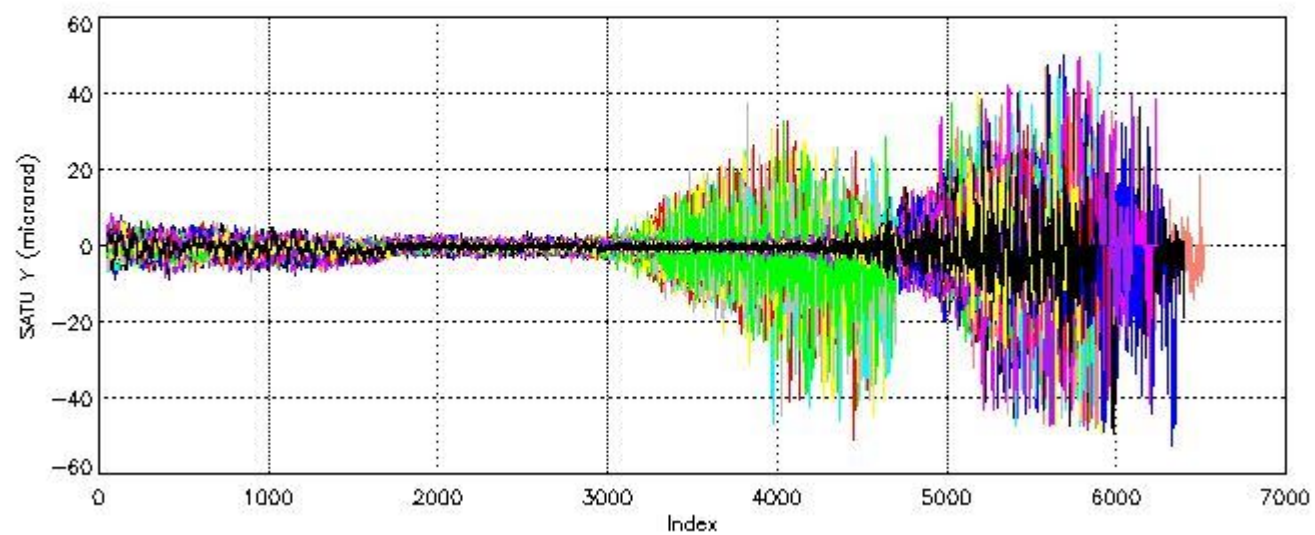
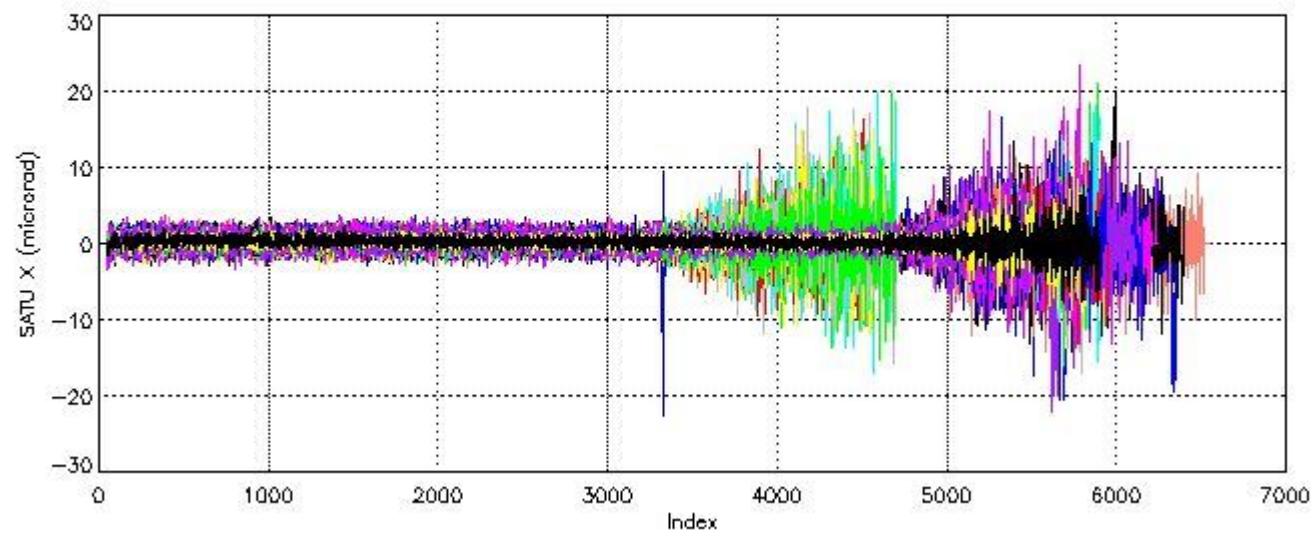
## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.25643	-0.77267	0.25234	-1.0392
St. deviation:	0.66549	1.7124	0.82884	1.6420
Maximum:	3.6000	8.5000	7.4000	8.6000
Minimum:	-3.5000	-9.3000	-14.100	-10.800

Number of data:	72900.	72900.	1.7695E+05	1.7695E+05
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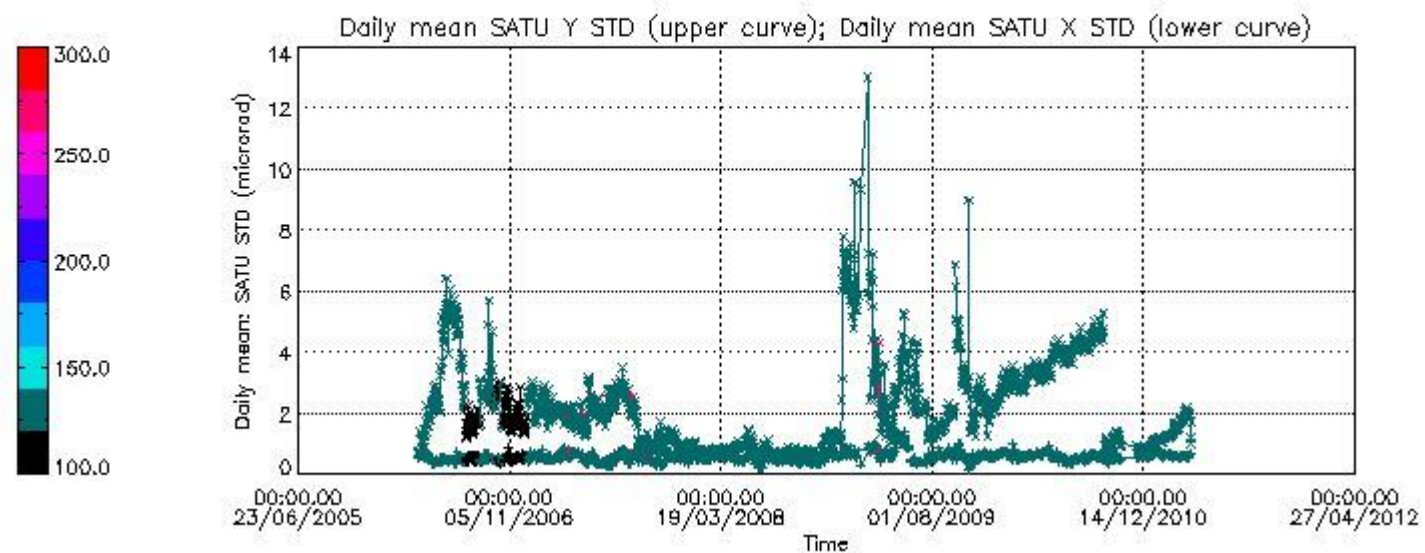
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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



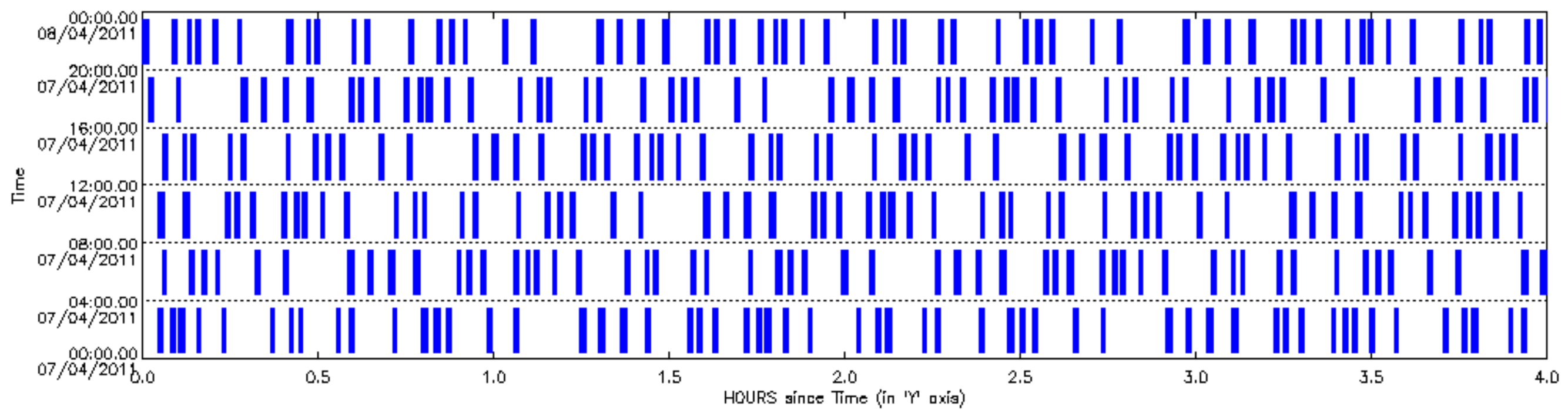
### 8. Auxiliary Data Files used for the production reported in section 2.4

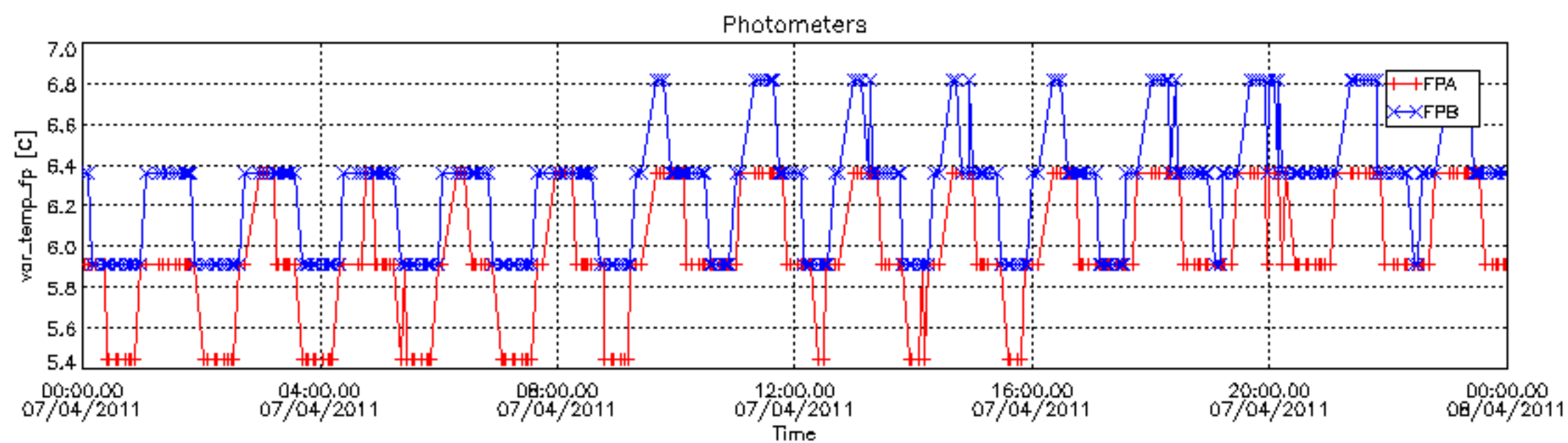
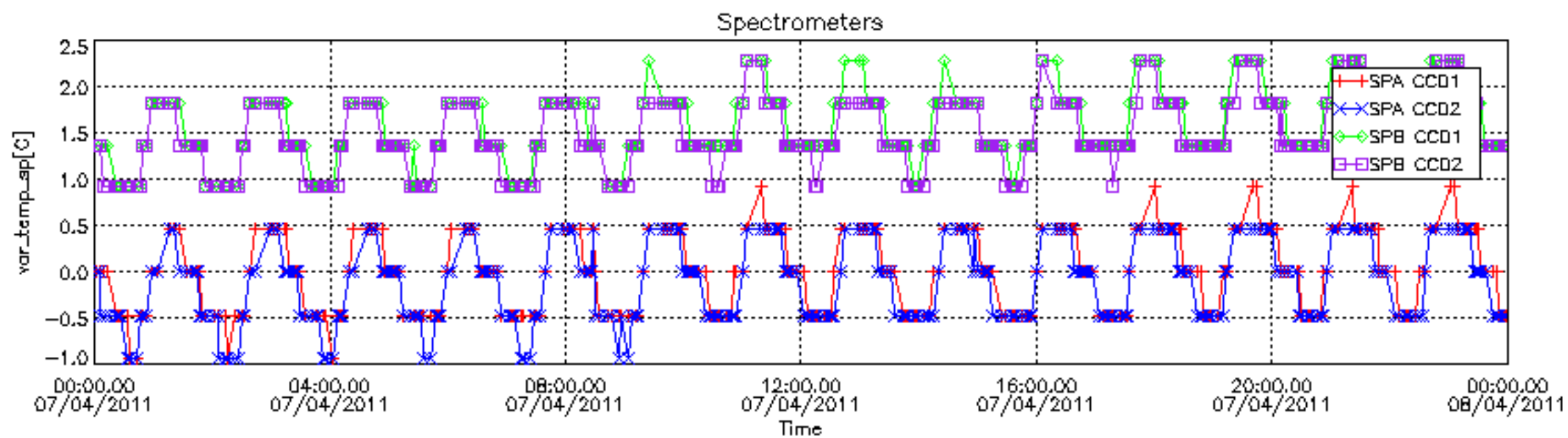
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

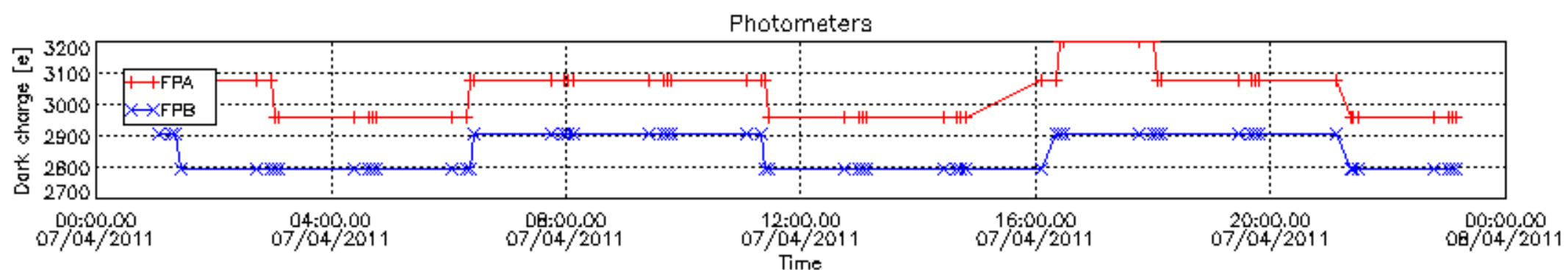
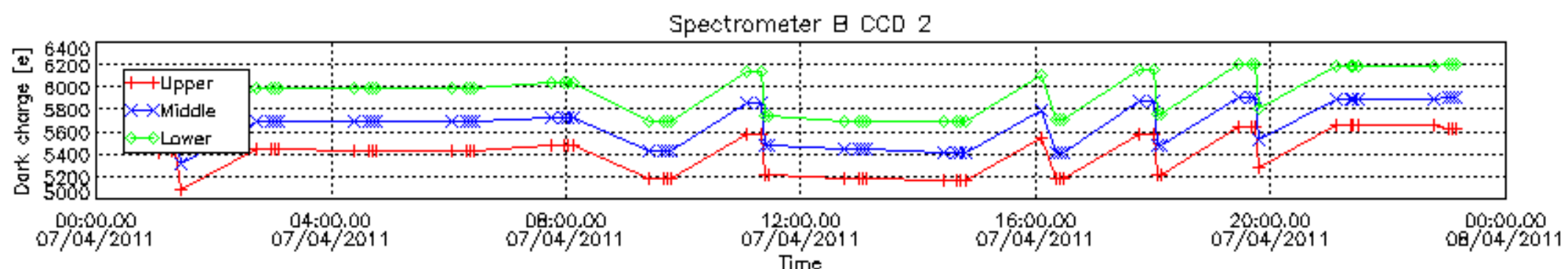
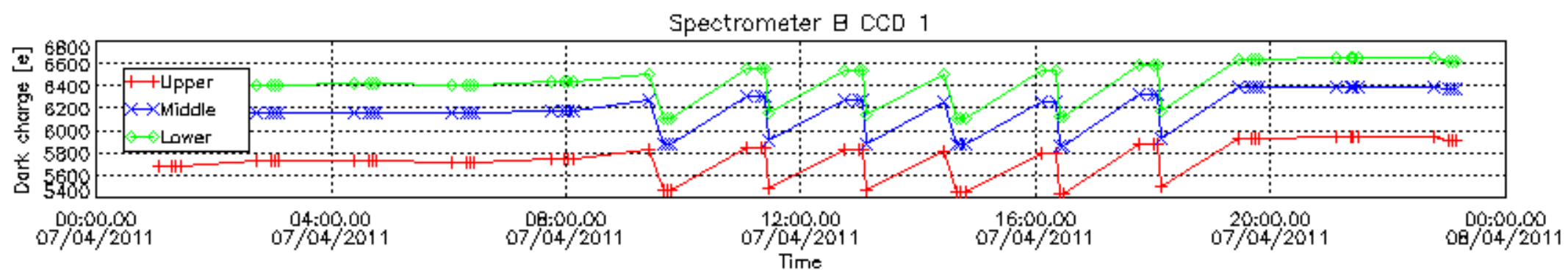
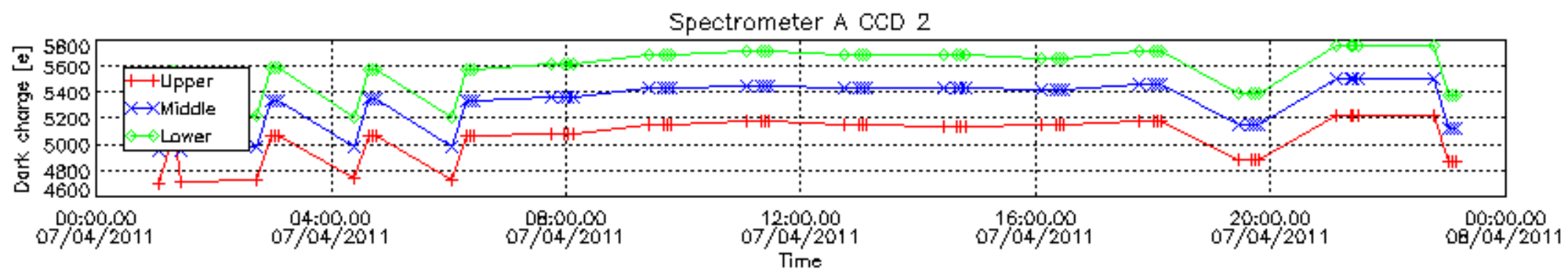
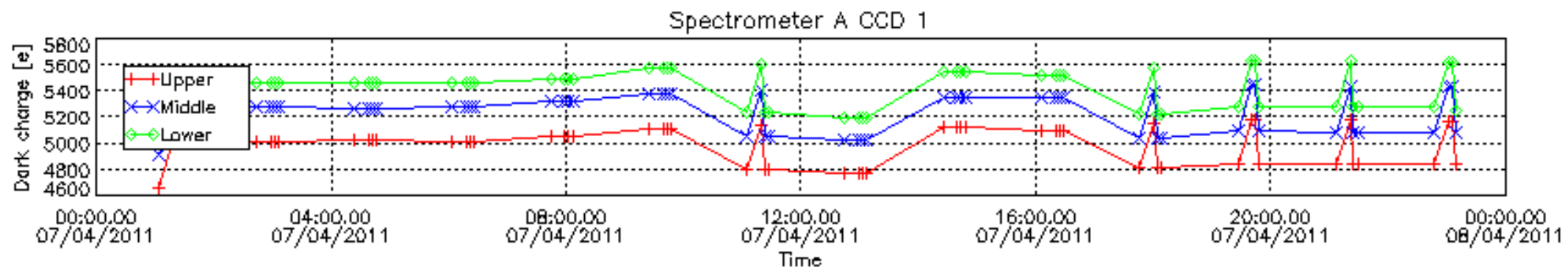
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	07-APR-2011 00:02:39
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110329_092027_20110328_000000_20500101_000000	1	07-APR-2011 00:02:39
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110407_084842_20110406_000000_20500101_000000	113	07-APR-2011 08:27:18
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	07-APR-2011 00:02:39
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	07-APR-2011 00:02:39
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	07-APR-2011 00:02:39
ECMWF_FILE	AUX_ECF_AXNECM20110406_062630_20110406_210000_20110407_090000	1	07-APR-2011 00:02:39
ECMWF_FILE	AUX_ECF_AXNECM20110406_181650_20110407_030000_20110407_150000	55	07-APR-2011 04:03:14
ECMWF_FILE	AUX_ECA_AXNECM20110407_063711_20110406_210000_20110407_090000	77	07-APR-2011 05:43:28
ECMWF_FILE	AUX_ECF_AXNECM20110406_181650_20110407_030000_20110407_150000	113	07-APR-2011 08:27:18
ECMWF_FILE	AUX_ECF_AXNECM20110407_103712_20110407_090000_20110407_210000	136	07-APR-2011 10:10:39
ECMWF_FILE	AUX_ECF_AXNECM20110407_103712_20110407_150000_20110408_030000	199	07-APR-2011 15:04:19
ECMWF_FILE	AUX_ECA_AXNECM20110407_182954_20110407_090000_20110407_210000	242	07-APR-2011 18:19:45
ECMWF_FILE	AUX_ECF_AXNECM20110407_103712_20110407_150000_20110408_030000	263	07-APR-2011 19:57:27
ECMWF_FILE	AUX_ECF_AXNECM20110407_103712_20110407_210000_20110408_090000	280	07-APR-2011 21:06:22
OPTIONAL_ECMWF_FILE	MISSING	1	07-APR-2011 00:02:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110406_232704_000054193101_00159_47587_2838.N1	1	07-APR-2011 00:02:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110407_010242_000098833101_00160_47588_2839.N1	17	07-APR-2011 01:17:56
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110407_035243_000060573101_00162_47590_2842.N1	55	07-APR-2011 04:03:14
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110406_221837_20110405_191414_20110415_212803	77	07-APR-2011 05:43:28

ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110407_082342_000057383101_00165_47593_4241.N1	113	07-APR-2011 08:27:18
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110407_100439_000057383101_00166_47594_4242.N1	136	07-APR-2011 10:10:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110407_114536_000054193101_00167_47595_4243.N1	157	07-APR-2011 11:47:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110407_132114_000057383101_00168_47596_4244.N1	178	07-APR-2011 13:26:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110407_150211_000054203101_00169_47597_4245.N1	199	07-APR-2011 15:04:19
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110407_163749_000057383101_00170_47598_4246.N1	221	07-APR-2011 16:44:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110407_181328_000057383101_00171_47599_4247.N1	242	07-APR-2011 18:19:45
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110407_195425_000038263101_00172_47600_2854.N1	263	07-APR-2011 19:57:27
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110407_210329_000060573101_00172_47600_2855.N1	280	07-APR-2011 21:06:22
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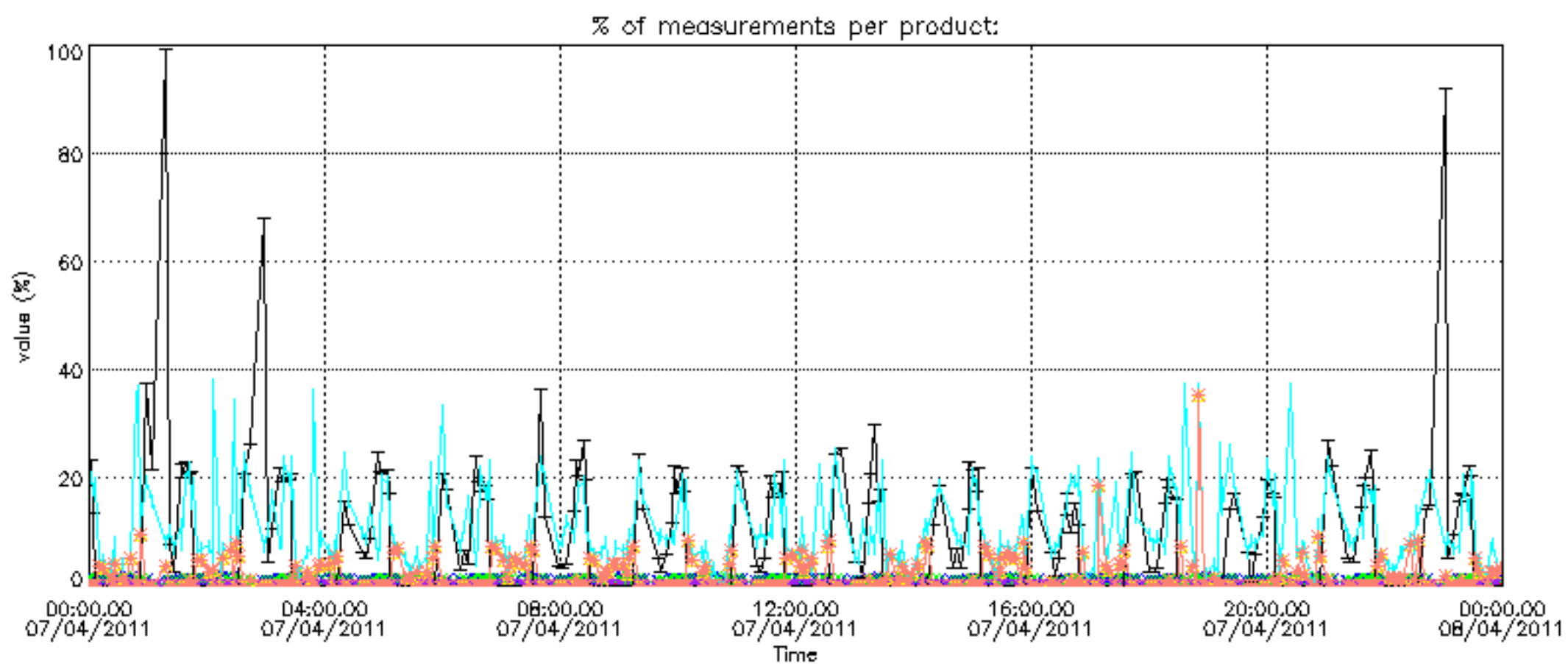




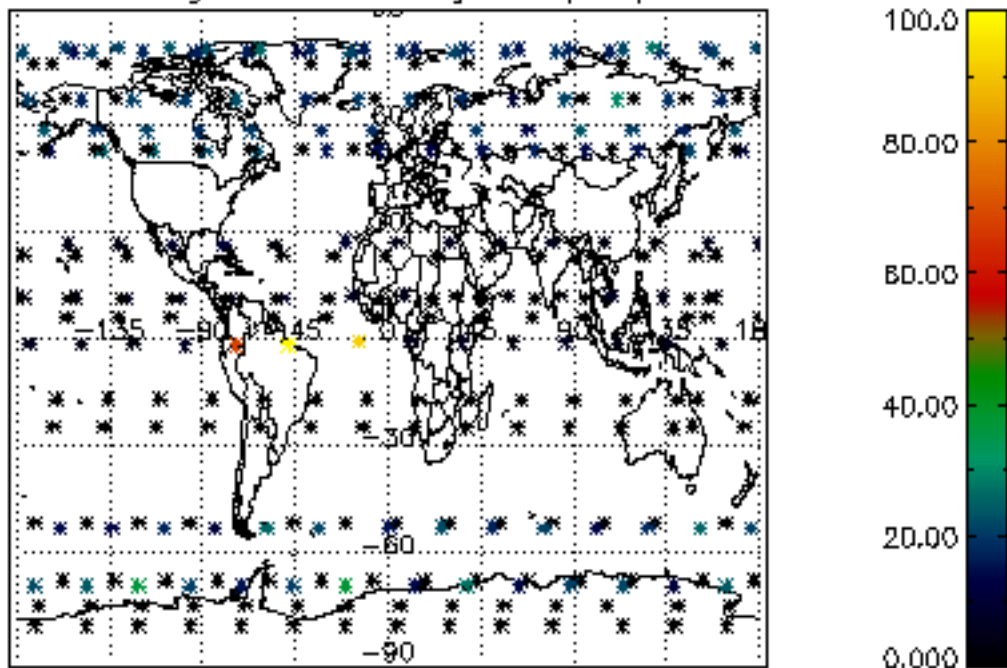




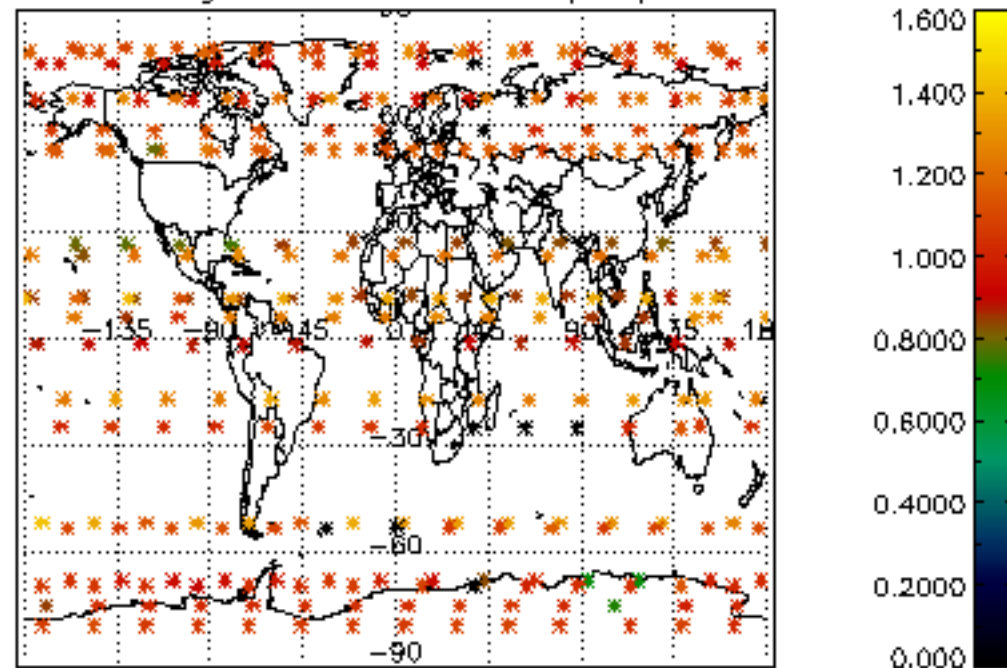




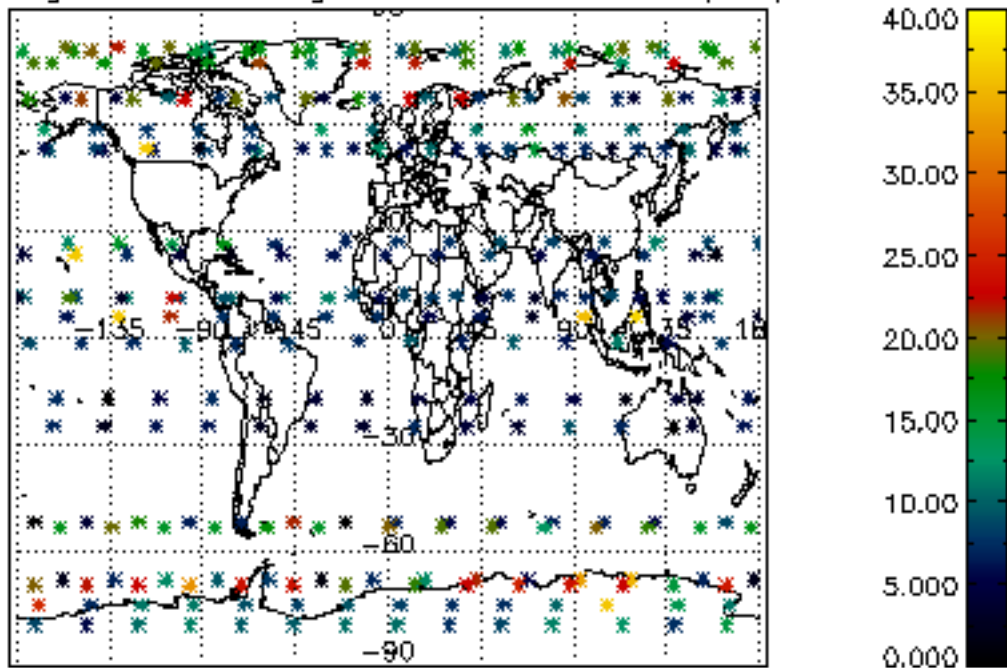
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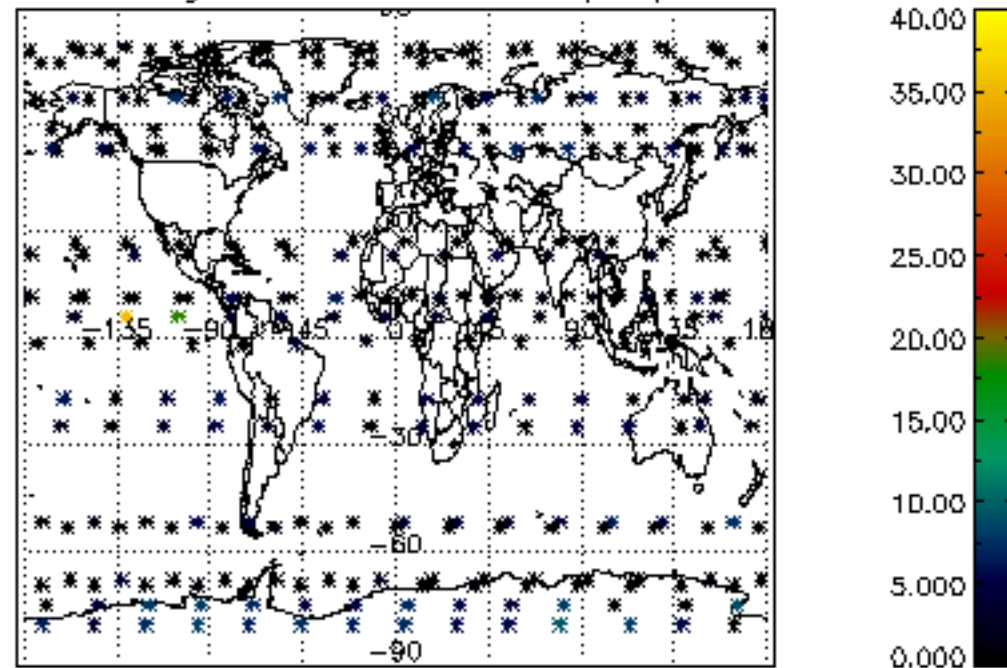
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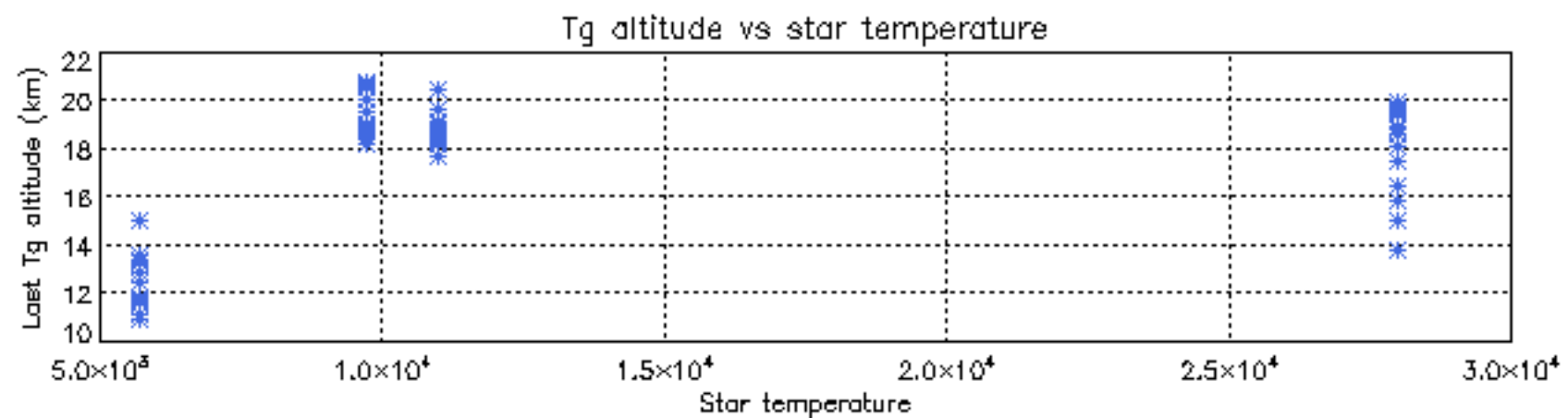
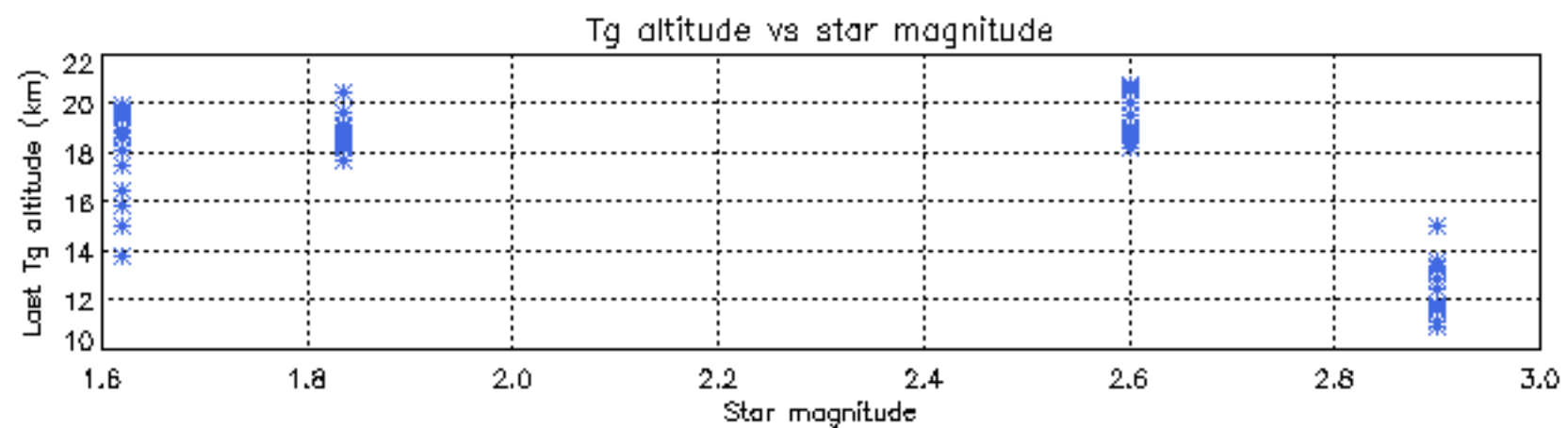
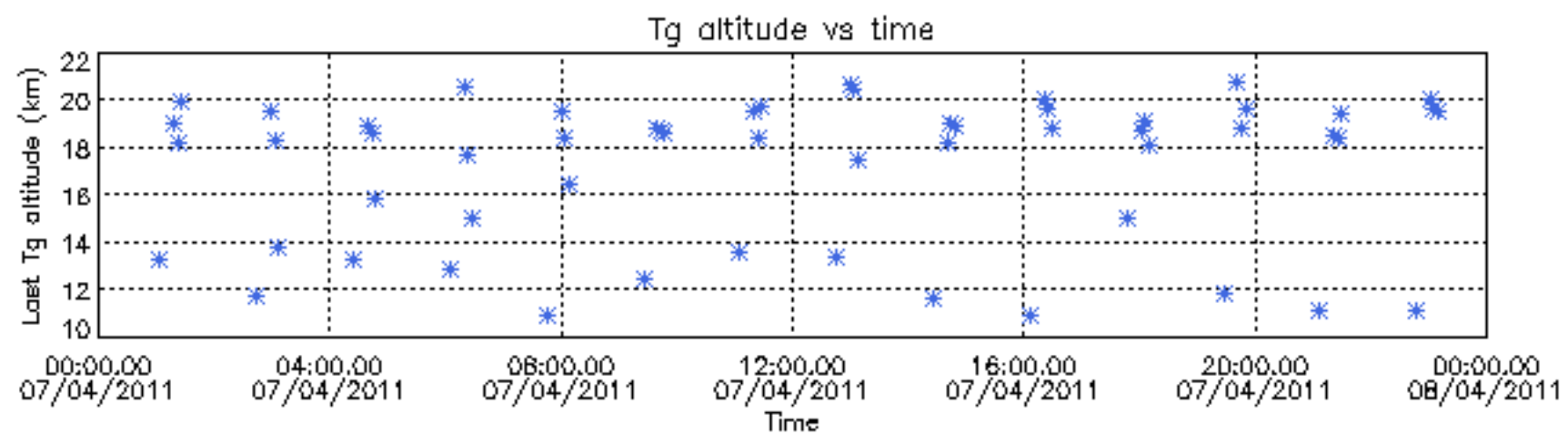
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

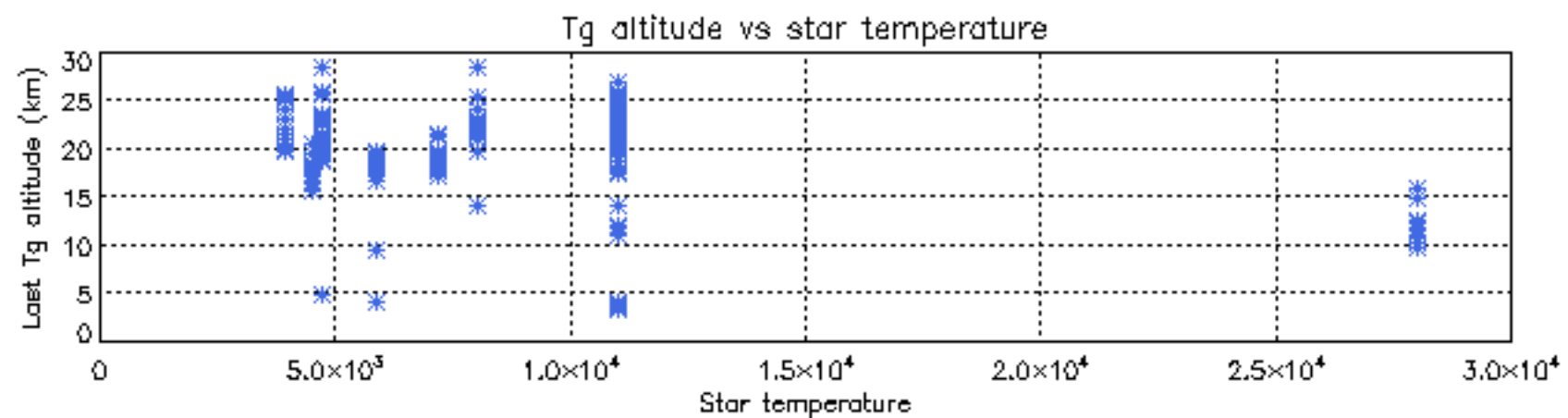
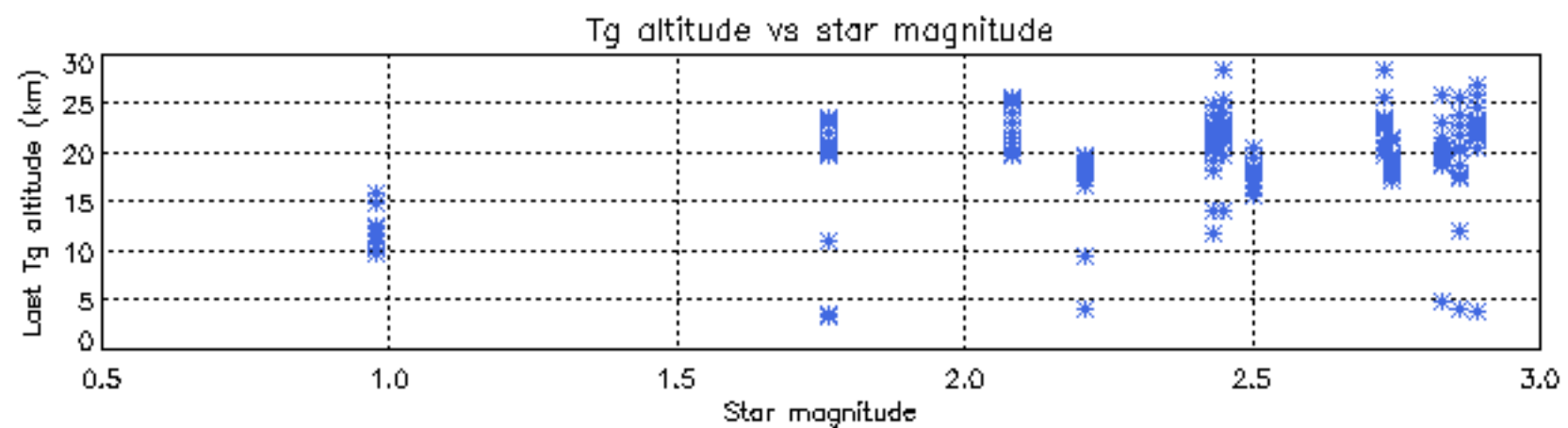
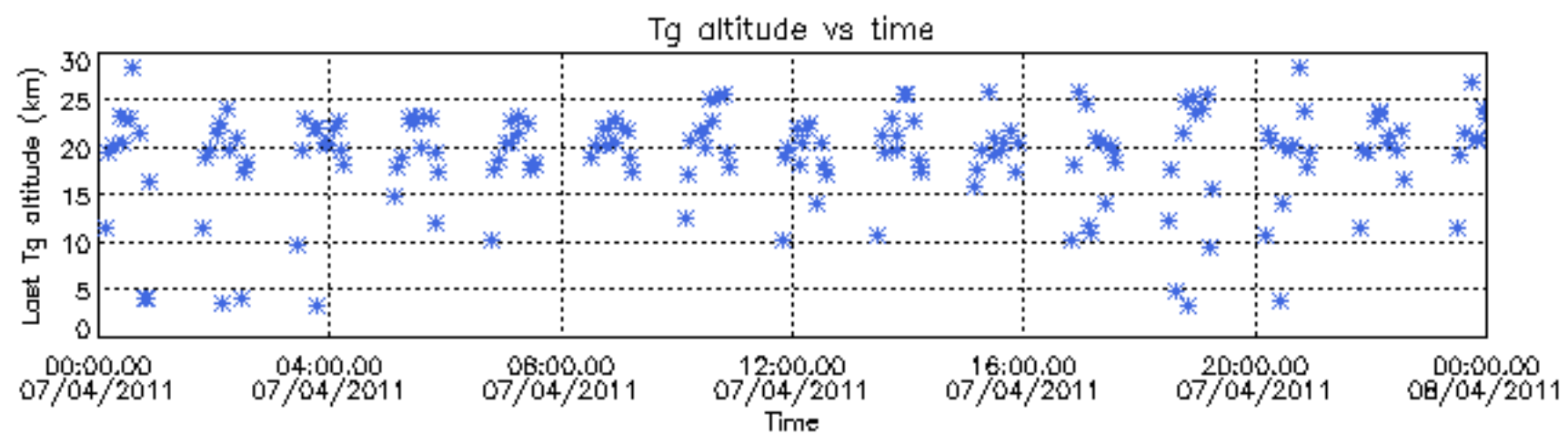


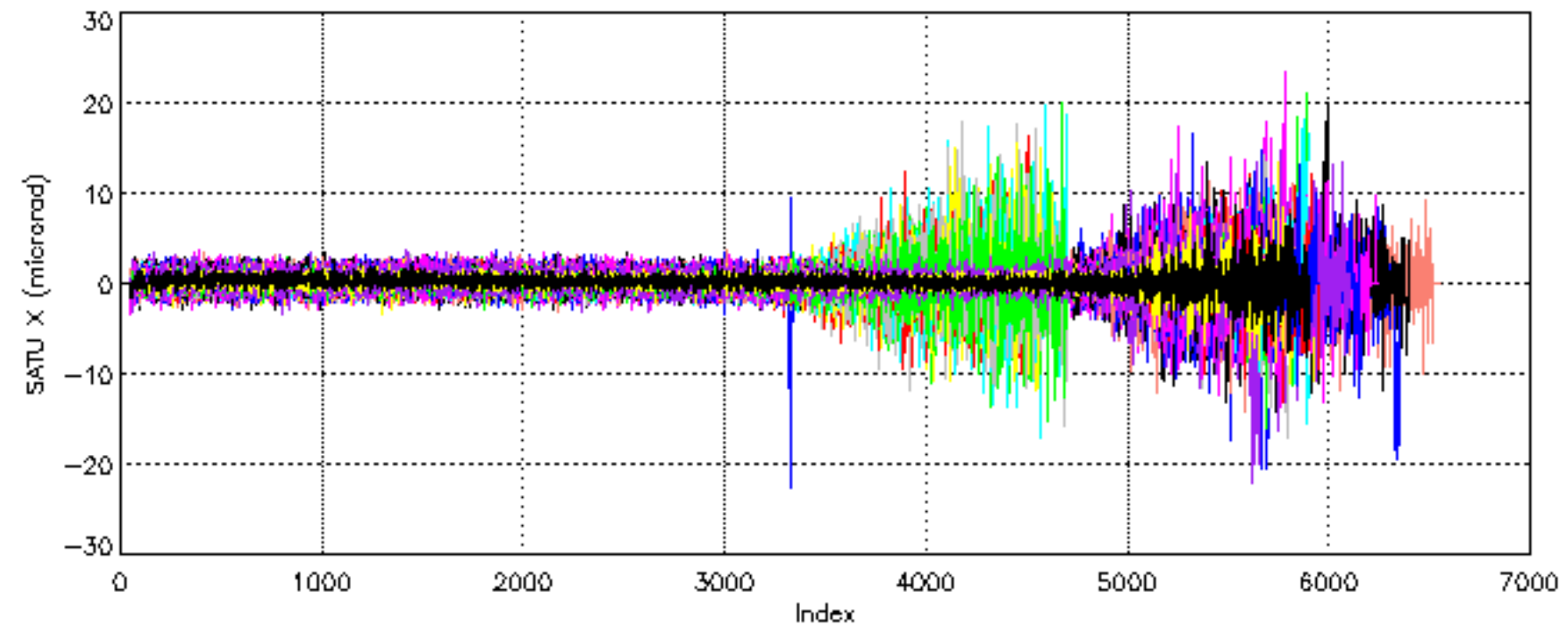
Tangent altitude at which the star is lost

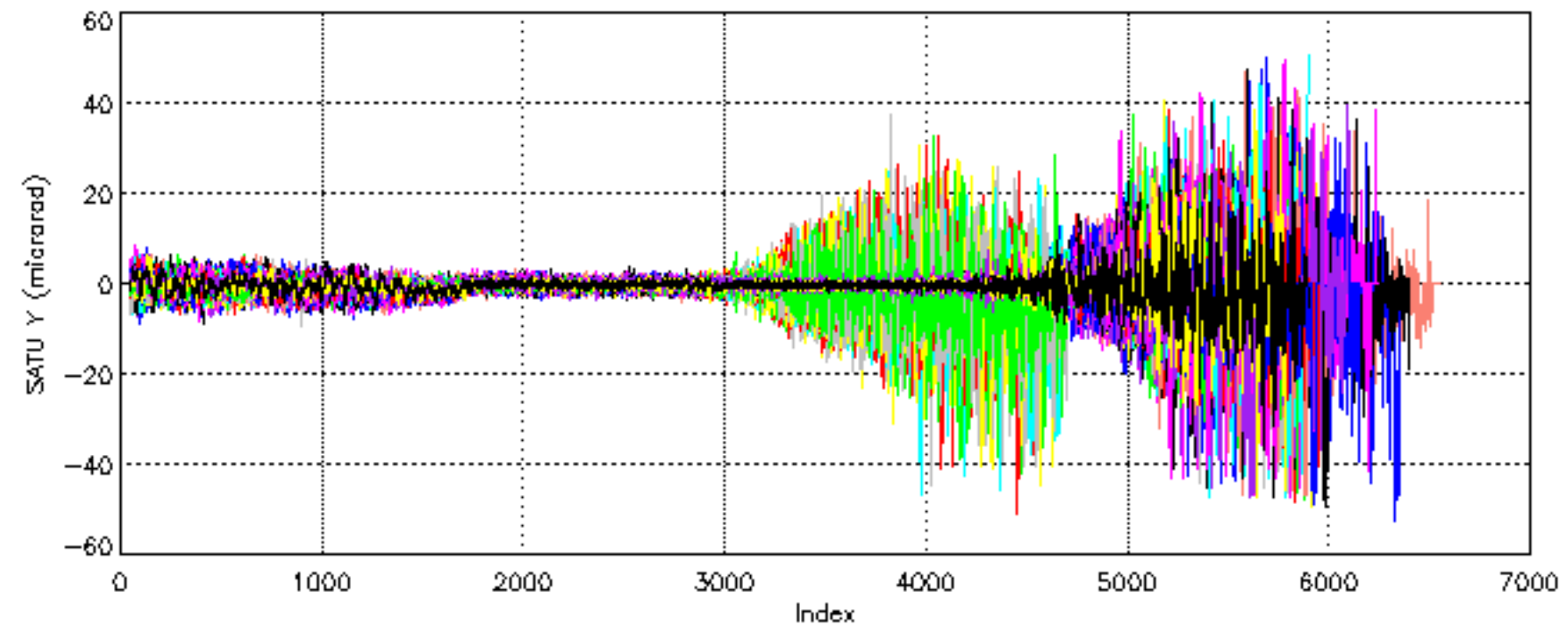




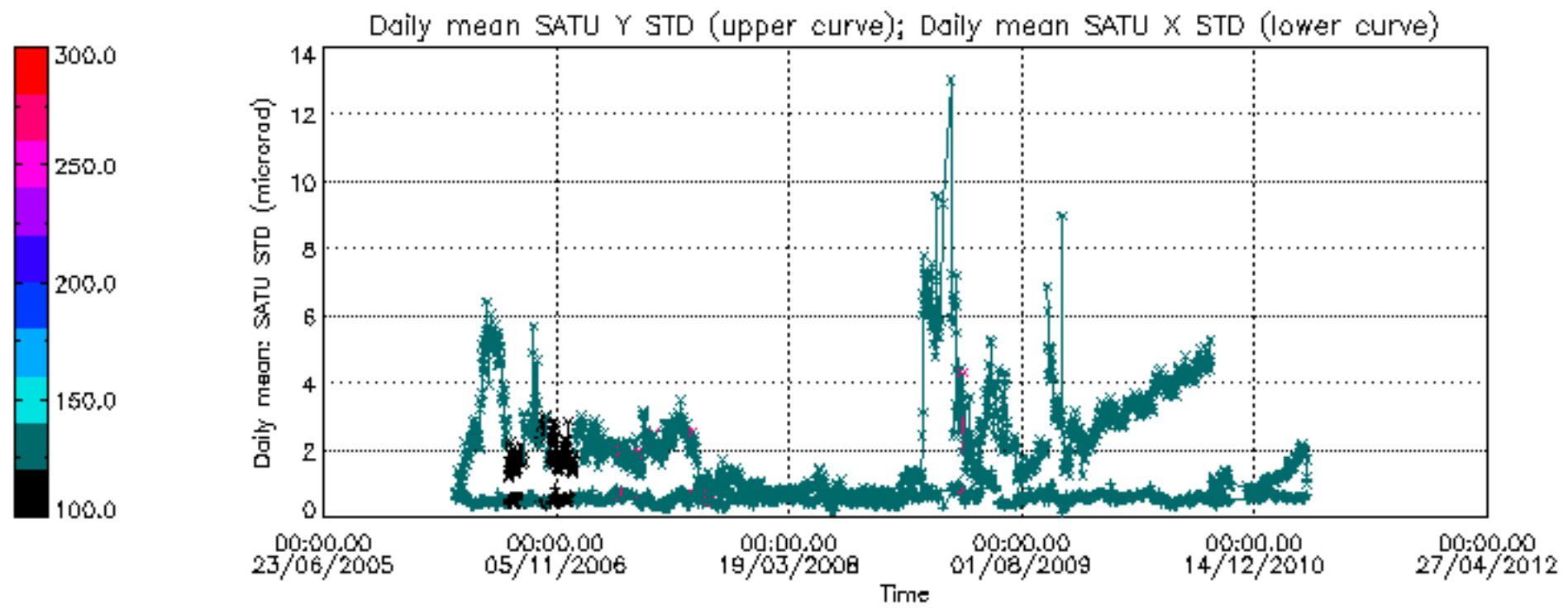
Tangent altitude at which the star is lost











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5; 2144.2; 03-APR-2011 14:22:31; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;47539  
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7; 1864.2; 05-APR-2011 21:25:32; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;47572  
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9; 2622.7; 05-APR-2011 21:38:11; Bright; 40.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 80; 0;47572  
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13; 3436.0; 05-APR-2011 21:51:44; Bright; 49.0; 119; 14Eta Dra ; 2.73; 4700;occ; 98; 0;47572  
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19; 5109.3; 05-APR-2011 22:19:38; Dark ; 37.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 75; 0;47572

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4; 164.8; 05-APR-2011 22:37:27; Dark ; 60.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 121; 0;47573  
5; 417.3; 05-APR-2011 22:41:39; Dark ; 61.0; 25; 35Lam Sco ; 1.62; 28000;occ; 122; 0;47573  
6; 876.8; 05-APR-2011 22:49:19; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;47573  
7; 972.6; 05-APR-2011 22:50:55; Dark ; 47.5; 81; Eta Cen ; 2.36; 28000;occ; 95; 0;47573

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 9; 1464.6; 05-APR-2011 22:59:07; Dark ; 44.0; 106; 9Bet Crv ; 2.65; 5600;occ; 88; 0;47573  
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 13; 2118.3; 05-APR-2011 23:10:00; Bright; 45.0; 138; 47Eps Vir ; 2.83; 4700;occ; 90; 0;47573  
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 15; 2817.3; 05-APR-2011 23:21:39; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;47573  
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 19; 3876.4; 05-APR-2011 23:39:18; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;47573  
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 4; 1675.8; 05-APR-2011 14:41:28; Dark ; 66.0; 15; 67Alp Vir ; 0.98; 28000;occ; 132; 0;47568  
 5; 1864.7; 05-APR-2011 14:44:37; Bright; 40.0; 121; 29Gam Vir ; 2.74; 7200;occ; 80; 0;47568  
 6; 2143.0; 05-APR-2011 14:49:15; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;47568  
 7; 2624.7; 05-APR-2011 14:57:17; Bright; 41.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 83; 0;47568  
 8; 2818.3; 05-APR-2011 15:00:30; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;47568  
 9; 2913.8; 05-APR-2011 15:02:06; Bright; 37.5; 32; 77Eps UMa ; 1.76; 11000;occ; 75; 0;47568  
 10; 3296.8; 05-APR-2011 15:08:29; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;47568  
 11; 3439.0; 05-APR-2011 15:10:51; Bright; 48.0; 119; 14Eta Dra ; 2.73; 4700;occ; 96; 0;47568  
 12; 3877.2; 05-APR-2011 15:18:09; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;47568  
 13; 4164.5; 05-APR-2011 15:22:57; Bright; 62.0; 144; 18Del Cyg ; 2.86; 11000;occ; 124; 0;47568  
 14; 4289.6; 05-APR-2011 15:25:02; Bright; 48.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 96; 0;47568  
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 9; 2913.3; 05-APR-2011 16:42:19; Bright; 39.0; 32; 77Eps UMa ; 1.76; 11000;occ; 78; 0;47569  
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 22; 6889.0; 05-APR-2011 17:48:35; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;47570  
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9; 3874.1; 07-APR-2011 12:24:24; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;47595  
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6; 988.9; 08-APR-2011 00:58:10; Dark ; 45.0; 81; Eta Cen ; 2.36; 28000;occ; 90; 0;47603  
7; 1140.8; 08-APR-2011 01:00:42; Dark ; 49.0; 54; 5The Cen ; 2.06; 4500;occ; 98; 0;47603  
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21;	6898.7;	18-APR-2011	18:12:21;	Dark	;	70.0;	75;	26Eps Sco	;	2.29;	4250;occ;	140;	0;	47757
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8;	3849.4;	18-APR-2011	19:01:46;	Bright;	;	38.0;	89;	5Alp Cep	;	2.45;	8000;occ;	76;	0;	47757
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