

# GOMOS Daily Report 15-APR-2011

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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	19APR2011 07:08:06
Data source version	GOMOS/5.01
Start time of products	15APR2011 00:00:44
Stop time of products	15APR2011 23:56:06
Store outputs in DB	Yes
Nb of level 1b prods	341
Nb of prods with errors	3

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

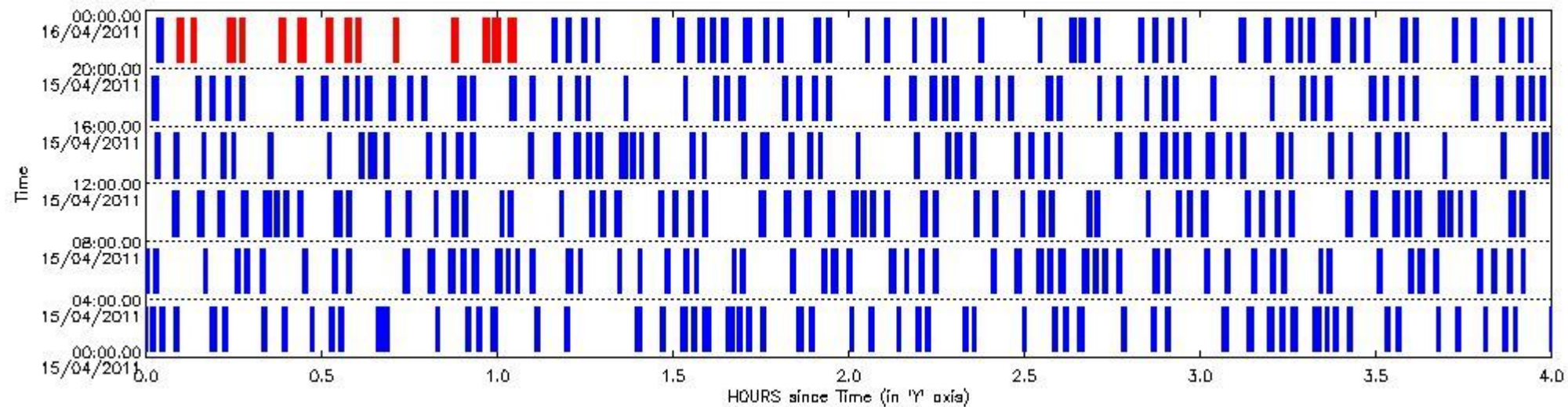
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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)

UTC start time	Star name	Star ID	Orbit
15-APR-2011 20:05:16	EtaCen	81	47715
15-APR-2011 20:07:37	5TheCen	54	47715
15-APR-2011 20:13:50	9Alp2Lib	122	47715
15-APR-2011 20:15:54	67AlpVir	15	47715
15-APR-2011 20:22:41	47EpsVir	138	47715
15-APR-2011 20:25:59	8EtaBoo	111	47715
15-APR-2011 20:30:45	12Alp2CVn	152	47715
15-APR-2011 20:33:49	27GamBoo	180	47715
15-APR-2011 20:35:43	77EpsUMa	32	47715
15-APR-2011 20:42:06	7BetUMi	60	47715
15-APR-2011 20:52:10	5AlpCep	89	47715
15-APR-2011 20:57:24	50AlpCyg	19	47715
15-APR-2011 20:59:11	37GamCyg	66	47715
15-APR-2011 21:01:45	53EpsCyg	92	47715

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_1PNPDE20110415_000044_000000443101_00275_47703_5393.N1	15-APR-2011 00:00:44	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	47703	No
2	GOM_TRA_1PNPDE20110415_000219_000000433101_00275_47703_5394.N1	15-APR-2011 00:02:19	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	47703	No
3	GOM_TRA_1PNPDE20110415_000441_000000503101_00275_47703_5395.N1	15-APR-2011 00:04:41	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	47703	No
4	GOM_TRA_1PNPDE20110415_001057_000000663101_00275_47703_5396.N1	15-APR-2011 00:10:57	Bright	66.000	122	9Alp2Lib	2.7470	9700.0	132	47703	No
5	GOM_TRA_1PNPDE20110415_001302_000000443101_00275_47703_5397.N1	15-APR-2011 00:13:02	Bright	44.000	15	67Alp Vir	0.97600	28000.	88	47703	No
6	GOM_TRA_1PNPDE20110415_001950_000000393101_00275_47703_5398.N1	15-APR-2011 00:19:50	Bright	39.000	138	47Eps Vir	2.8280	4700.0	78	47703	No
7	GOM_TRA_1PNPDE20110415_002313_000000513101_00275_47703_5399.N1	15-APR-2011 00:23:13	Bright	50.500	111	8Eta Boo	2.6800	6000.0	101	47703	No
8	GOM_TRA_1PNPDE20110415_002756_000000383101_00275_47703_5400.N1	15-APR-2011 00:27:56	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	47703	No
9	GOM_TRA_1PNPDE20110415_003107_000000493101_00275_47703_5401.N1	15-APR-2011 00:31:07	Bright	48.500	180	27Gam Boo	3.0400	8000.0	97	47703	No
10	GOM_TRA_1PNPDE20110415_003254_000000403101_00275_47703_5402.N1	15-APR-2011 00:32:54	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	47703	No
11	GOM_TRA_1PNPDE20110415_003917_000000573101_00275_47703_5403.N1	15-APR-2011 00:39:17	Bright	57.000	60	7Bet UMi	2.0810	3950.0	114	47703	No
12	GOM_TRA_1PNPDE20110415_004042_000000453101_00275_47703_5404.N1	15-APR-2011 00:40:42	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	47703	No
13	GOM_TRA_1PNPDE20110415_004920_000000393101_00275_47703_5405.N1	15-APR-2011 00:49:20	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47703	No
14	GOM_TRA_1PNPDE20110415_005434_000000503101_00275_47703_5406.N1	15-APR-2011 00:54:34	Bright	49.500	19	50Alp Cyg	1.2460	10500.	99	47703	No
15	GOM_TRA_1PNPDE20110415_005620_000000563101_00275_47703_5407.N1	15-APR-2011 00:56:20	Bright	55.500	66	37Gam Cyg	2.2080	5900.0	111	47703	No
16	GOM_TRA_1PNPDE20110415_005852_000000553101_00275_47703_5408.N1	15-APR-2011 00:58:52	Bright	54.500	92	53Eps Cyg	2.5000	4500.0	109	47703	No
17	GOM_TRA_1PNPDE20110415_010616_000000533101_00275_47703_5409.N1	15-APR-2011 01:06:16	Twilight	53.000	61	8Eps Peg	2.1000	3900.0	106	47703	No
18	GOM_TRA_1PNPDE20110415_011120_000000493101_00275_47703_5410.N1	15-APR-2011 01:11:20	Dark	48.500	154	22Bet Aqr	2.8990	5700.0	97	47703	No
19	GOM_TRA_1PNPDE20110415_012738_000000613101_00276_47704_5419.N1	15-APR-2011 01:27:38	Dark	61.000	103	38Zet Sgr	2.6000	9700.0	122	47704	No
20	GOM_TRA_1PNPDE20110415_013111_000000633101_00276_47704_5420.N1	15-APR-2011 01:31:11	Dark	63.000	38	20Eps Sgr	1.8360	11000.	126	47704	No
21	GOM_TRA_1PNPDE20110415_013314_000000443101_00276_47704_5421.N1	15-APR-2011 01:33:14	Dark	44.000	141	Bet Ara	2.8400	4600.0	88	47704	No
22	GOM_TRA_1PNPDE20110415_013507_000000673101_00276_47704_5422.N1	15-APR-2011 01:35:07	Dark	67.000	25	35Lam Sco	1.6200	28000.	134	47704	No
23	GOM_TRA_1PNPDE20110415_013903_000000753101_00276_47704_5423.N1	15-APR-2011 01:39:03	Straylight	74.500	75	26Eps Sco	2.2910	4250.0	149	47704	No
24	GOM_TRA_1PNPDE20110415_014058_000000463101_00276_47704_5424.N1	15-APR-2011 01:40:58	Straylight	45.500	78	Alp Lup	2.3040	28000.	91	47704	No
25	GOM_TRA_1PNPDE20110415_014233_000000443101_00276_47704_5425.N1	15-APR-2011 01:42:33	Straylight	44.000	81	Eta Cen	2.3560	28000.	88	47704	No
26	GOM_TRA_1PNPDE20110415_014455_000000493101_00276_47704_5426.N1	15-APR-2011 01:44:55	Straylight	48.500	54	5The Cen	2.0550	4500.0	97	47704	No
27	GOM_TRA_1PNPDE20110415_015111_000000573101_00276_47704_5427.N1	15-APR-2011 01:51:11	Bright	57.000	122	9Alp2Lib	2.7470	9700.0	114	47704	No
28	GOM_TRA_1PNPDE20110415_015315_000000463101_00276_47704_5428.N1	15-APR-2011 01:53:15	Bright	46.000	15	67Alp Vir	0.97600	28000.	92	47704	No
29	GOM_TRA_1PNPDE20110415_020004_000000393101_00276_47704_5429.N1	15-APR-2011 02:00:04	Bright	39.000	138	47Eps Vir	2.8280	4700.0	78	47704	No
30	GOM_TRA_1PNPDE20110415_020327_000000473101_00276_47704_5430.N1	15-APR-2011 02:03:27	Bright	46.500	111	8Eta Boo	2.6800	6000.0	93	47704	No
31	GOM_TRA_1PNPDE20110415_020810_000000403101_00276_47704_5431.N1	15-APR-2011 02:08:10	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	47704	No
32	GOM_TRA_1PNPDE20110415_021120_000000593101_00276_47704_5432.N1	15-APR-2011 02:11:20	Bright	59.000	180	27Gam Boo	3.0400	8000.0	118	47704	No
33	GOM_TRA_1PNPDE20110415_021307_000000373101_00276_47704_5433.N1	15-APR-2011 02:13:07	Bright	36.500	32	77Eps UMa	1.7630	11000.	73	47704	No
34	GOM_TRA_1PNPDE20110415_021931_000000413101_00276_47704_5434.N1	15-APR-2011 02:19:31	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47704	No
35	GOM_TRA_1PNPDE20110415_022056_000000473101_00276_47704_5435.N1	15-APR-2011 02:20:56	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	47704	No
36	GOM_TRA_1PNPDE20110415_022934_000000393101_00276_47704_5436.N1	15-APR-2011 02:29:34	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47704	No
37	GOM_TRA_1PNPDE20110415_023448_000000503101_00276_47704_5437.N1	15-APR-2011 02:34:48	Bright	49.500	19	50Alp Cyg	1.2460	10500.	99	47704	No
38	GOM_TRA_1PNPDE20110415_023634_000000543101_00276_47704_5438.N1	15-APR-2011 02:36:34	Bright	53.500	66	37Gam Cyg	2.2080	5900.0	107	47704	No
39	GOM_TRA_1PNPDE20110415_023906_000000523101_00276_47704_5439.N1	15-APR-2011 02:39:06	Bright	52.000	92	53Eps Cyg	2.5000	4500.0	104	47704	No
40	GOM_TRA_1PNPDE20110415_024630_000000533101_00276_47704_5440.N1	15-APR-2011 02:46:30	Twilight	53.000	61	8Eps Peg	2.1000	3900.0	106	47704	No
41	GOM_TRA_1PNPDE20110415_025135_000000483101_00276_47704_5441.N1	15-APR-2011 02:51:35	Dark	47.500	154	22Bet Aqr	2.8990	5700.0	95	47704	No
42	GOM_TRA_1PNPDE20110415_025358_000000453101_00276_47704_5442.N1	15-APR-2011 02:53:58	Dark	45.000	142	49Del Cap	2.8500	8900.0	90	47704	No
43	GOM_TRA_1PNPDE20110415_030754_000000623101_00277_47705_5443.N1	15-APR-2011 03:07:54	Dark	62.000	103	38Zet Sgr	2.6000	9700.0	124	47705	No
44	GOM_TRA_1PNPDE20110415_031127_000000633101_00277_47705_5444.N1	15-APR-2011 03:11:27	Dark	62.500	38	20Eps Sgr	1.8360	11000.	125	47705	No
45	GOM_TRA_1PNPDE20110415_031329_000000473101_00277_47705_5445.N1	15-APR-2011 03:13:29	Dark	46.500	141	Bet Ara	2.8400	4600.0	93	47705	No
46	GOM_TRA_1PNPDE20110415_031522_000000643101_00277_47705_5446.N1	15-APR-2011 03:15:22	Dark	64.000	25	35Lam Sco	1.6200	28000.	128	47705	No
47	GOM_TRA_1PNPDE20110415_031918_000000693101_00277_47705_5447.N1	15-APR-2011 03:19:18	Straylight	69.000	75	26Eps Sco	2.2910	4250.0	138	47705	No
48	GOM_TRA_1PNPDE20110415_032113_000000443101_00277_47705_5448.N1	15-APR-2011 03:21:13	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	47705	No
49	GOM_TRA_1PNPDE20110415_032248_000000473101_00277_47705_5449.N1	15-APR-2011 03:22:48	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	47705	No
50	GOM_TRA_1PNPDE20110415_032510_000000503101_00277_47705_5450.N1	15-APR-2011 03:25:10	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	47705	No
51	GOM_TRA_1PNPDE20110415_033125_000000583101_00277_47705_5451.N1	15-APR-2011 03:31:25	Bright	57.500	122	9Alp2Lib	2.7470	9700.0	115	47705	No
52	GOM_TRA_1PNPDE20110415_033329_000000463101_00277_47705_5452.N1	15-APR-2011 03:33:29	Bright	46.000	15	67Alp Vir	0.97600	28000.	92	47705	No
53	GOM_TRA_1PNPDE20110415_034018_000000403101_00277_47705_5453.N1	15-APR-2011 03:40:18	Bright	39.500	138	47Eps Vir	2.8280	4700.0	79	47705	No
54	GOM_TRA_1PNPDE20110415_034340_000000493101_00277_47705_5454.N1	15-APR-2011 03:43:40	Bright	48.500	111	8Eta Boo	2.6800	6000.0	97	47705	No
55	GOM_TRA_1PNPDE20110415_034823_000000383101_00277_47705_5455.N1	15-APR-2011 03:48:23	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	47705	No

56	GOM_TRA_1PNPDE20110415_035134_000000513101_00277_47705_5456.N1	15-APR-2011 03:51:34	Bright	50.500	180	27Gam Boo	3.0400	8000.0	101	47705	No
57	GOM_TRA_1PNPDE20110415_035321_000000373101_00277_47705_5457.N1	15-APR-2011 03:53:21	Bright	37.000	32	77Eps UMa	1.7630	11000.	74	47705	No
58	GOM_TRA_1PNPDE20110415_035944_000000383101_00277_47705_5458.N1	15-APR-2011 03:59:44	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	47705	No
59	GOM_TRA_1PNPDE20110415_040109_000000483101_00277_47705_5459.N1	15-APR-2011 04:01:09	Bright	48.000	119	14Eta Dra	2.7270	4700.0	96	47705	No
60	GOM_TRA_1PNPDE20110415_040948_000000393101_00277_47705_5459.N1	15-APR-2011 04:09:48	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	47705	No
61	GOM_TRA_1PNPDE20110415_041502_000000493101_00277_47705_5460.N1	15-APR-2011 04:15:02	Bright	49.000	19	50Alp Cyg	1.2460	10500.	98	47705	No
62	GOM_TRA_1PNPDE20110415_041648_000000533101_00277_47705_5461.N1	15-APR-2011 04:16:48	Bright	53.000	66	37Gam Cyg	2.2080	5900.0	106	47705	No
63	GOM_TRA_1PNPDE20110415_041920_000000583101_00277_47705_5462.N1	15-APR-2011 04:19:20	Bright	58.000	92	53Eps Cyg	2.5000	4500.0	116	47705	No
64	GOM_TRA_1PNPDE20110415_042645_000000493101_00277_47705_5463.N1	15-APR-2011 04:26:45	Twilight	49.000	61	8Eps Peg	2.1000	3900.0	98	47705	No
65	GOM_TRA_1PNPDE20110415_043149_000000493101_00277_47705_5464.N1	15-APR-2011 04:31:49	Dark	48.500	154	22Bet Aqr	2.8990	5700.0	97	47705	No
66	GOM_TRA_1PNPDE20110415_043413_000000463101_00277_47705_5465.N1	15-APR-2011 04:34:13	Dark	46.000	142	49Del Cap	2.8500	8900.0	92	47705	No
67	GOM_TRA_1PNPDE20110415_044809_000000633101_00278_47706_5466.N1	15-APR-2011 04:48:09	Dark	63.000	103	38Zet Sgr	2.6000	9700.0	126	47706	No
68	GOM_TRA_1PNPDE20110415_045143_000000623101_00278_47706_5467.N1	15-APR-2011 04:51:43	Dark	62.000	38	20Eps Sgr	1.8360	11000.	124	47706	No
69	GOM_TRA_1PNPDE20110415_045344_000000453101_00278_47706_5468.N1	15-APR-2011 04:53:44	Dark	44.500	141	Bet Ara	2.8400	4600.0	89	47706	No
70	GOM_TRA_1PNPDE20110415_045538_000000653101_00278_47706_5469.N1	15-APR-2011 04:55:38	Dark	65.000	25	35Lam Sco	1.6200	28000.	130	47706	No
71	GOM_TRA_1PNPDE20110415_045933_000000663101_00278_47706_5470.N1	15-APR-2011 04:59:33	Straylight	65.500	75	26Eps Sco	2.2910	4250.0	131	47706	No
72	GOM_TRA_1PNPDE20110415_050127_000000423101_00278_47706_5471.N1	15-APR-2011 05:01:27	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	47706	No
73	GOM_TRA_1PNPDE20110415_050302_000000423101_00278_47706_5472.N1	15-APR-2011 05:03:02	Straylight	41.500	81	Eta Cen	2.3560	28000.	83	47706	No
74	GOM_TRA_1PNPDE20110415_050524_000000493101_00278_47706_5473.N1	15-APR-2011 05:05:24	Straylight	49.000	54	5The Cen	2.0550	4500.0	98	47706	No
75	GOM_TRA_1PNPDE20110415_051139_000000643101_00278_47706_5474.N1	15-APR-2011 05:11:39	Bright	63.500	122	9Alp2Lib	2.7470	9700.0	127	47706	No
76	GOM_TRA_1PNPDE20110415_051344_000000463101_00278_47706_5475.N1	15-APR-2011 05:13:44	Bright	46.000	15	67Alp Vir	0.97600	28000.	92	47706	No
77	GOM_TRA_1PNPDE20110415_052032_000000403101_00278_47706_5476.N1	15-APR-2011 05:20:32	Bright	39.500	138	47Eps Vir	2.8280	4700.0	79	47706	No
78	GOM_TRA_1PNPDE20110415_052354_000000473101_00278_47706_5477.N1	15-APR-2011 05:23:54	Bright	46.500	111	8Eta Boo	2.6800	6000.0	93	47706	No
79	GOM_TRA_1PNPDE20110415_052837_000000393101_00278_47706_5478.N1	15-APR-2011 05:28:37	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	47706	No
80	GOM_TRA_1PNPDE20110415_053147_000000493101_00278_47706_5479.N1	15-APR-2011 05:31:47	Bright	49.000	180	27Gam Boo	3.0400	8000.0	98	47706	No
81	GOM_TRA_1PNPDE20110415_053335_000000383101_00278_47706_5480.N1	15-APR-2011 05:33:35	Bright	38.000	32	77Eps UMa	1.7630	11000.	76	47706	No
82	GOM_TRA_1PNPDE20110415_053958_000000403101_00278_47706_5481.N1	15-APR-2011 05:39:58	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47706	No
83	GOM_TRA_1PNPDE20110415_054122_000000473101_00278_47706_5482.N1	15-APR-2011 05:41:22	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	47706	No
84	GOM_TRA_1PNPDE20110415_055002_000000393101_00278_47706_5514.N1	15-APR-2011 05:50:02	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	47706	No
85	GOM_TRA_1PNPDE20110415_055516_000000503101_00278_47706_5515.N1	15-APR-2011 05:55:16	Bright	49.500	19	50Alp Cyg	1.2460	10500.	99	47706	No
86	GOM_TRA_1PNPDE20110415_055702_000000563101_00278_47706_5516.N1	15-APR-2011 05:57:02	Bright	56.000	66	37Gam Cyg	2.2080	5900.0	112	47706	No
87	GOM_TRA_1PNPDE20110415_055935_000000553101_00278_47706_5517.N1	15-APR-2011 05:59:35	Bright	55.000	92	53Eps Cyg	2.5000	4500.0	110	47706	No
88	GOM_TRA_1PNPDE20110415_060659_000000533101_00278_47706_5518.N1	15-APR-2011 06:06:59	Dark	53.000	61	8Eps Peg	2.1000	3900.0	106	47706	No
89	GOM_TRA_1PNPDE20110415_060927_000000453101_00278_47706_5519.N1	15-APR-2011 06:09:27	Dark	44.500	162	34Alp Aqr	2.9440	5350.0	89	47706	No
90	GOM_TRA_1PNPDE20110415_061204_000000503101_00278_47706_5520.N1	15-APR-2011 06:12:04	Dark	49.500	154	22Bet Aqr	2.8990	5700.0	99	47706	No
91	GOM_TRA_1PNPDE20110415_061427_000000453101_00278_47706_5521.N1	15-APR-2011 06:14:27	Dark	45.000	142	49Del Cap	2.8500	8900.0	90	47706	No
92	GOM_TRA_1PNPDE20110415_062825_000000623101_00279_47707_5522.N1	15-APR-2011 06:28:25	Dark	62.000	103	38Zet Sgr	2.6000	9700.0	124	47707	No
93	GOM_TRA_1PNPDE20110415_063158_000000643101_00279_47707_5523.N1	15-APR-2011 06:31:58	Dark	63.500	38	20Eps Sgr	1.8360	11000.	127	47707	No
94	GOM_TRA_1PNPDE20110415_063358_000000463101_00279_47707_5524.N1	15-APR-2011 06:33:58	Dark	46.000	141	Bet Ara	2.8400	4600.0	92	47707	No
95	GOM_TRA_1PNPDE20110415_063553_000000633101_00279_47707_5525.N1	15-APR-2011 06:35:53	Dark	62.500	25	35Lam Sco	1.6200	28000.	125	47707	No
96	GOM_TRA_1PNPDE20110415_063948_000000733101_00279_47707_5526.N1	15-APR-2011 06:39:48	Straylight	72.500	75	26Eps Sco	2.2910	4250.0	145	47707	No
97	GOM_TRA_1PNPDE20110415_064144_000000403101_00279_47707_5527.N1	15-APR-2011 06:41:44	Straylight	40.000	78	Alp Lup	2.3040	28000.	80	47707	No
98	GOM_TRA_1PNPDE20110415_064317_000000463101_00279_47707_5528.N1	15-APR-2011 06:43:17	Straylight	46.000	81	Eta Cen	2.3560	28000.	92	47707	No
99	GOM_TRA_1PNPDE20110415_064538_000000483101_00279_47707_5529.N1	15-APR-2011 06:45:38	Straylight	48.000	54	5The Cen	2.0550	4500.0	96	47707	No
100	GOM_TRA_1PNPDE20110415_065153_000000663101_00279_47707_5530.N1	15-APR-2011 06:51:53	Bright	65.500	122	9Alp2Lib	2.7470	9700.0	131	47707	No
101	GOM_TRA_1PNPDE20110415_065358_000000453101_00279_47707_5531.N1	15-APR-2011 06:53:58	Bright	44.500	15	67Alp Vir	0.97600	28000.	89	47707	No
102	GOM_TRA_1PNPDE20110415_070046_000000483101_00279_47707_5532.N1	15-APR-2011 07:00:46	Bright	47.500	138	47Eps Vir	2.8280	4700.0	95	47707	No
103	GOM_TRA_1PNPDE20110415_070407_000000493101_00279_47707_5533.N1	15-APR-2011 07:04:07	Bright	48.500	111	8Eta Boo	2.6800	6000.0	97	47707	No
104	GOM_TRA_1PNPDE20110415_070851_000000383101_00279_47707_5534.N1	15-APR-2011 07:08:51	Bright	37.500	152	12Alp2CVn	2.8900	11000.	75	47707	No
105	GOM_TRA_1PNPDE20110415_071200_000000493101_00279_47707_5535.N1	15-APR-2011 07:12:00	Bright	49.000	180	27Gam Boo	3.0400	8000.0	98	47707	No
106	GOM_TRA_1PNPDE20110415_071349_000000423101_00279_47707_5536.N1	15-APR-2011 07:13:49	Bright	42.000	32	77Eps UMa	1.7630	11000.	84	47707	No
107	GOM_TRA_1PNPDE20110415_072012_000000403101_00279_47707_5537.N1	15-APR-2011 07:20:12	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	47707	No
108	GOM_TRA_1PNPDE20110415_072136_000000473101_00279_47707_5538.N1	15-APR-2011 07:21:36	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	47707	No
109	GOM_TRA_1PNPDK20110415_073016_000000383101_00279_47707_4297.N1	15-APR-2011 07:30:16	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	47707	No
110	GOM_TRA_1PNPDK20110415_073530_000000493101_00279_47707_4298.N1	15-APR-2011 07:35:30	Bright	49.000	19	50Alp Cyg	1.2460	10500.	98	47707	No
111	GOM_TRA_1PNPDK20110415_073716_000000543101_00279_47707_4299.N1	15-APR-2011 07:37:16	Bright	54.000	66	37Gam Cyg	2.2080	5900.0	108	47707	No
112	GOM_TRA_1PNPDK20110415_073949_000000563101_00279_47707_4300.N1	15-APR-2011 07:39:49	Bright	56.000	92	53Eps Cyg	2.5000	4500.0	112	47707	No
113	GOM_TRA_1PNPDK20110415_074714_000000523101_00279_47707_4301.N1	15-APR-2011 07:47:14	Dark	52.000	61	8Eps Peg	2.1000	3900.0	104	47707	No
114	GOM_TRA_1PNPDK20110415_074942_000000443101_00279_47707_4302.N1	15-APR-2011 07:49:42	Dark	43.500	162	34Alp Aqr	2.9440	5350.0	87	47707	No



115	GOM_TRA_1PNPDK20110415_075219_000000493101_00279_47707_4303.N1	15-APR-2011 07:52:19	Dark	49.000	154	22Bet Aqr	2.8990	5700.0	98	47707	No
116	GOM_TRA_1PNPDK20110415_075442_000000433101_00279_47707_4304.N1	15-APR-2011 07:54:42	Dark	42.500	142	49Del Cap	2.8500	8900.0	85	47707	No
117	GOM_TRA_1PNPDK20110415_080841_000000613101_00280_47708_4305.N1	15-APR-2011 08:08:41	Dark	61.000	103	38Zet Sgr	2.6000	9700.0	122	47708	No
118	GOM_TRA_1PNPDK20110415_081214_000000643101_00280_47708_4306.N1	15-APR-2011 08:12:14	Dark	63.500	38	20Eps Sgr	1.8360	11000.	127	47708	No
119	GOM_TRA_1PNPDK20110415_081608_000000633101_00280_47708_4307.N1	15-APR-2011 08:16:08	Dark	62.500	25	35Lam Sco	1.6200	28000.	125	47708	No
120	GOM_TRA_1PNPDK20110415_082003_000000703101_00280_47708_4308.N1	15-APR-2011 08:20:03	Straylight	70.000	75	26Eps Sco	2.2910	4250.0	140	47708	No
121	GOM_TRA_1PNPDK20110415_082152_000000493101_00280_47708_4309.N1	15-APR-2011 08:21:52	Straylight	49.000	131	Gam Lup	2.8000	26000.	98	47708	No
122	GOM_TRA_1PNPDK20110415_082331_000000473101_00280_47708_4310.N1	15-APR-2011 08:23:31	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	47708	No
123	GOM_TRA_1PNPDK20110415_082553_000000503101_00280_47708_4311.N1	15-APR-2011 08:25:53	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	47708	No
124	GOM_TRA_1PNPDK20110415_083207_000000713101_00280_47708_4312.N1	15-APR-2011 08:32:07	Bright	70.500	122	9Alp2Lib	2.7470	9700.0	141	47708	No
125	GOM_TRA_1PNPDK20110415_083412_000000473101_00280_47708_4331.N1	15-APR-2011 08:34:12	Bright	46.500	15	67Alp Vir	0.97600	28000.	93	47708	No
126	GOM_TRA_1PNPDK20110415_084100_000000403101_00280_47708_4332.N1	15-APR-2011 08:41:00	Bright	40.000	138	47Eps Vir	2.8280	4700.0	80	47708	No
127	GOM_TRA_1PNPDK20110415_084421_000000473101_00280_47708_4333.N1	15-APR-2011 08:44:21	Bright	47.000	111	8Eta Boo	2.6800	6000.0	94	47708	No
128	GOM_TRA_1PNPDK20110415_084905_000000383101_00280_47708_4334.N1	15-APR-2011 08:49:05	Bright	37.500	152	12Alp2CVn	2.8900	11000.	75	47708	No
129	GOM_TRA_1PNPDK20110415_085213_000000663101_00280_47708_4335.N1	15-APR-2011 08:52:13	Bright	66.000	180	27Gam Boo	3.0400	8000.0	132	47708	No
130	GOM_TRA_1PNPDK20110415_085402_000000393101_00280_47708_4336.N1	15-APR-2011 08:54:02	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	47708	No
131	GOM_TRA_1PNPDK20110415_090026_000000383101_00280_47708_4337.N1	15-APR-2011 09:00:26	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	47708	No
132	GOM_TRA_1PNPDK20110415_090149_000000473101_00280_47708_4338.N1	15-APR-2011 09:01:49	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	47708	No
133	GOM_TRA_1PNPDK20110415_091030_000000473101_00280_47708_4339.N1	15-APR-2011 09:10:30	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	47708	No
134	GOM_TRA_1PNPDK20110415_091544_000000503101_00280_47708_4340.N1	15-APR-2011 09:15:44	Bright	49.500	19	50Alp Cyg	1.2460	10500.	99	47708	No
135	GOM_TRA_1PNPDK20110415_091730_000000553101_00280_47708_4341.N1	15-APR-2011 09:17:30	Bright	55.000	66	37Gam Cyg	2.2080	5900.0	110	47708	No
136	GOM_TRA_1PNPDK20110415_092003_000000553101_00280_47708_4342.N1	15-APR-2011 09:20:03	Bright	55.000	92	53Eps Cyg	2.5000	4500.0	110	47708	No
137	GOM_TRA_1PNPDK20110415_092728_000000513101_00280_47708_4343.N1	15-APR-2011 09:27:28	Dark	50.500	61	8Eps Peg	2.1000	3900.0	101	47708	No
138	GOM_TRA_1PNPDK20110415_092956_000000473101_00280_47708_4344.N1	15-APR-2011 09:29:56	Dark	47.000	162	34Alp Aqr	2.9440	5350.0	94	47708	No
139	GOM_TRA_1PNPDK20110415_093233_000000473101_00280_47708_4345.N1	15-APR-2011 09:32:33	Dark	47.000	154	22Bet Aqr	2.8990	5700.0	94	47708	No
140	GOM_TRA_1PNPDK20110415_093456_000000453101_00280_47708_4346.N1	15-APR-2011 09:34:56	Dark	44.500	142	49Del Cap	2.8500	8900.0	89	47708	No
141	GOM_TRA_1PNPDK20110415_094856_000000603101_00281_47709_4347.N1	15-APR-2011 09:48:56	Dark	60.000	103	38Zet Sgr	2.6000	9700.0	120	47709	No
142	GOM_TRA_1PNPDK20110415_095229_000000633101_00281_47709_4348.N1	15-APR-2011 09:52:29	Dark	62.500	38	20Eps Sgr	1.8360	11000.	125	47709	No
143	GOM_TRA_1PNPDK20110415_095623_000000603101_00281_47709_4349.N1	15-APR-2011 09:56:23	Dark	60.000	25	35Lam Sco	1.6200	28000.	120	47709	No
144	GOM_TRA_1PNPDK20110415_100018_000000683101_00281_47709_4350.N1	15-APR-2011 10:00:18	Straylight	68.000	75	26Eps Sco	2.2910	4250.0	136	47709	No
145	GOM_TRA_1PNPDK20110415_100206_000000493101_00281_47709_4351.N1	15-APR-2011 10:02:06	Straylight	48.500	131	Gam Lup	2.8000	26000.	97	47709	No
146	GOM_TRA_1PNPDK20110415_100345_000000443101_00281_47709_4352.N1	15-APR-2011 10:03:45	Straylight	43.500	81	Eta Cen	2.3560	28000.	87	47709	No
147	GOM_TRA_1PNPDK20110415_100607_000000473101_00281_47709_4353.N1	15-APR-2011 10:06:07	Straylight	46.500	54	5The Cen	2.0550	4500.0	93	47709	No
148	GOM_TRA_1PNPDK20110415_101221_000000593101_00281_47709_4354.N1	15-APR-2011 10:12:21	Bright	58.500	122	9Alp2Lib	2.7470	9700.0	117	47709	No
149	GOM_TRA_1PNPDK20110415_101426_000000443101_00281_47709_4355.N1	15-APR-2011 10:14:26	Bright	43.500	15	67Alp Vir	0.97600	28000.	87	47709	No
150	GOM_TRA_1PNPDK20110415_102114_000000573101_00281_47709_4373.N1	15-APR-2011 10:21:14	Bright	57.000	138	47Eps Vir	2.8280	4700.0	114	47709	No
151	GOM_TRA_1PNPDK20110415_102434_000000533101_00281_47709_4374.N1	15-APR-2011 10:24:34	Bright	53.000	111	8Eta Boo	2.6800	6000.0	106	47709	No
152	GOM_TRA_1PNPDK20110415_102918_000000383101_00281_47709_4375.N1	15-APR-2011 10:29:18	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	47709	No
153	GOM_TRA_1PNPDK20110415_103226_000000503101_00281_47709_4376.N1	15-APR-2011 10:32:26	Bright	49.500	180	27Gam Boo	3.0400	8000.0	99	47709	No
154	GOM_TRA_1PNPDK20110415_103416_000000453101_00281_47709_4377.N1	15-APR-2011 10:34:16	Bright	45.000	32	77Eps UMa	1.7630	11000.	90	47709	No
155	GOM_TRA_1PNPDK20110415_104039_000000403101_00281_47709_4378.N1	15-APR-2011 10:40:39	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47709	No
156	GOM_TRA_1PNPDK20110415_104202_000000493101_00281_47709_4379.N1	15-APR-2011 10:42:02	Bright	48.500	119	14Eta Dra	2.7270	4700.0	97	47709	No
157	GOM_TRA_1PNPDK20110415_105043_000000393101_00281_47709_4380.N1	15-APR-2011 10:50:43	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47709	No
158	GOM_TRA_1PNPDK20110415_105557_000000503101_00281_47709_4381.N1	15-APR-2011 10:55:57	Bright	49.500	19	50Alp Cyg	1.2460	10500.	99	47709	No
159	GOM_TRA_1PNPDK20110415_105744_000000553101_00281_47709_4382.N1	15-APR-2011 10:57:44	Bright	55.000	66	37Gam Cyg	2.2080	5900.0	110	47709	No
160	GOM_TRA_1PNPDK20110415_110017_000000573101_00281_47709_4383.N1	15-APR-2011 11:00:17	Bright	57.000	92	53Eps Cyg	2.5000	4500.0	114	47709	No
161	GOM_TRA_1PNPDK20110415_110743_000000493101_00281_47709_4384.N1	15-APR-2011 11:07:43	Dark	49.000	61	8Eps Peg	2.1000	3900.0	98	47709	No
162	GOM_TRA_1PNPDK20110415_111010_000000463101_00281_47709_4385.N1	15-APR-2011 11:10:10	Dark	45.500	162	34Alp Aqr	2.9440	5350.0	91	47709	No
163	GOM_TRA_1PNPDK20110415_111248_000000503101_00281_47709_4386.N1	15-APR-2011 11:12:48	Dark	50.000	154	22Bet Aqr	2.8990	5700.0	100	47709	No
164	GOM_TRA_1PNPDK20110415_111511_000000463101_00281_47709_4387.N1	15-APR-2011 11:15:11	Dark	46.000	142	49Del Cap	2.8500	8900.0	92	47709	No
165	GOM_TRA_1PNPDK20110415_112912_000000613101_00282_47710_4388.N1	15-APR-2011 11:29:12	Dark	61.000	103	38Zet Sgr	2.6000	9700.0	122	47710	No
166	GOM_TRA_1PNPDK20110415_113244_000000653101_00282_47710_4389.N1	15-APR-2011 11:32:44	Dark	64.500	38	20Eps Sgr	1.8360	11000.	129	47710	No
167	GOM_TRA_1PNPDK20110415_113455_000000463101_00282_47710_4390.N1	15-APR-2011 11:34:55	Dark	46.000	147	Alp Ara	2.8770	26000.	92	47710	No
168	GOM_TRA_1PNPDK20110415_113639_000000613101_00282_47710_4391.N1	15-APR-2011 11:36:39	Dark	61.000	25	35Lam Sco	1.6200	28000.	122	47710	No
169	GOM_TRA_1PNPDK20110415_114034_000000713101_00282_47710_4392.N1	15-APR-2011 11:40:34	Straylight	70.500	75	26Eps Sco	2.2910	4250.0	141	47710	No
170	GOM_TRA_1PNPDK20110415_114221_000000483101_00282_47710_4393.N1	15-APR-2011 11:42:21	Straylight	47.500	131	Gam Lup	2.8000	26000.	95	47710	No
171	GOM_TRA_1PNPDK20110415_114400_000000443101_00282_47710_4394.N1	15-APR-2011 11:44:00	Straylight	43.500	81	Eta Cen	2.3560	28000.	87	47710	No
172	GOM_TRA_1PNPDK20110415_114622_000000493101_00282_47710_4395.N1	15-APR-2011 11:46:22	Straylight	49.000	54	5The Cen	2.0550	4500.0	98	47710	No
173	GOM_TRA_1PNPDK20110415_115235_000000643101_00282_47710_4413.N1	15-APR-2011 11:52:35	Bright	64.000	122	9Alp2Lib	2.7470	9700.0	128	47710	Yes

174	GOM_TRA_1PNPDK20110415_115440_000000423101_00282_47710_4414.N1	15-APR-2011 11:54:40	Bright	42.000	15	67Alp Vir	0.97600	28000.	84	47710	No
175	GOM_TRA_1PNPDK20110415_120128_000000573101_00282_47710_4415.N1	15-APR-2011 12:01:28	Bright	57.000	138	47Eps Vir	2.8280	4700.0	114	47710	No
176	GOM_TRA_1PNPDK20110415_120448_000000483101_00282_47710_4416.N1	15-APR-2011 12:04:48	Bright	47.500	111	8Eta Boo	2.6800	6000.0	95	47710	No
177	GOM_TRA_1PNPDK20110415_120932_000000373101_00282_47710_4417.N1	15-APR-2011 12:09:32	Bright	37.000	152	12Alp2CVn	2.8900	11000.	74	47710	No
178	GOM_TRA_1PNPDK20110415_121239_000000503101_00282_47710_4418.N1	15-APR-2011 12:12:39	Bright	50.000	180	27Gam Boo	3.0400	8000.0	100	47710	No
179	GOM_TRA_1PNPDK20110415_121430_000000403101_00282_47710_4419.N1	15-APR-2011 12:14:30	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	47710	No
180	GOM_TRA_1PNPDK20110415_122053_000000423101_00282_47710_4420.N1	15-APR-2011 12:20:53	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	47710	No
181	GOM_TRA_1PNPDK20110415_123057_000000373101_00282_47710_4421.N1	15-APR-2011 12:30:57	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	47710	No
182	GOM_TRA_1PNPDK20110415_123611_000000503101_00282_47710_4422.N1	15-APR-2011 12:36:11	Bright	50.000	19	50Alp Cyg	1.2460	10500.	100	47710	No
183	GOM_TRA_1PNPDK20110415_123757_000000763101_00282_47710_4423.N1	15-APR-2011 12:37:57	Bright	76.000	66	37Gam Cyg	2.2080	5900.0	152	47710	No
184	GOM_TRA_1PNPDK20110415_124031_000000583101_00282_47710_4424.N1	15-APR-2011 12:40:31	Bright	57.500	92	53Eps Cyg	2.5000	4500.0	115	47710	No
185	GOM_TRA_1PNPDK20110415_124757_000000503101_00282_47710_4425.N1	15-APR-2011 12:47:57	Dark	50.000	61	8Eps Peg	2.1000	3900.0	100	47710	No
186	GOM_TRA_1PNPDK20110415_125025_000000473101_00282_47710_4426.N1	15-APR-2011 12:50:25	Dark	46.500	162	34Alp Aqr	2.9440	5350.0	93	47710	No
187	GOM_TRA_1PNPDK20110415_125303_000000523101_00282_47710_4427.N1	15-APR-2011 12:53:03	Dark	51.500	154	22Bet Aqr	2.8990	5700.0	103	47710	No
188	GOM_TRA_1PNPDK20110415_125525_000000443101_00282_47710_4428.N1	15-APR-2011 12:55:25	Dark	43.500	142	49Del Cap	2.8500	8900.0	87	47710	No
189	GOM_TRA_1PNPDK20110415_130927_000000633101_00283_47711_4429.N1	15-APR-2011 13:09:27	Dark	63.000	103	38Zet Sgr	2.6000	9700.0	126	47711	No
190	GOM_TRA_1PNPDK20110415_131300_000000633101_00283_47711_4430.N1	15-APR-2011 13:13:00	Dark	63.000	38	20Eps Sgr	1.8360	11000.	126	47711	No
191	GOM_TRA_1PNPDK20110415_131510_000000473101_00283_47711_4431.N1	15-APR-2011 13:15:10	Dark	46.500	147	Alp Ara	2.8770	26000.	93	47711	No
192	GOM_TRA_1PNPDK20110415_131654_000000603101_00283_47711_4432.N1	15-APR-2011 13:16:54	Dark	60.000	25	35Lam Sco	1.6200	28000.	120	47711	No
193	GOM_TRA_1PNPDK20110415_132049_000000783101_00283_47711_4433.N1	15-APR-2011 13:20:49	Straylight	78.000	75	26Eps Sco	2.2910	4250.0	156	47711	No
194	GOM_TRA_1PNPDK20110415_132235_000000493101_00283_47711_4434.N1	15-APR-2011 13:22:35	Straylight	49.000	131	Gam Lup	2.8000	26000.	98	47711	No
195	GOM_TRA_1PNPDK20110415_132414_000000413101_00283_47711_4435.N1	15-APR-2011 13:24:14	Straylight	41.000	81	Eta Cen	2.3560	28000.	82	47711	No
196	GOM_TRA_1PNPDK20110415_132636_000000503101_00283_47711_4436.N1	15-APR-2011 13:26:36	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	47711	No
197	GOM_TRA_1PNPDK20110415_133249_000000573101_00283_47711_4451.N1	15-APR-2011 13:32:49	Bright	57.000	122	9Alp2Lib	2.7470	9700.0	114	47711	Yes
198	GOM_TRA_1PNPDK20110415_133454_000000443101_00283_47711_4452.N1	15-APR-2011 13:34:54	Bright	43.500	15	67Alp Vir	0.97600	28000.	87	47711	No
199	GOM_TRA_1PNPDK20110415_134141_000000493101_00283_47711_4453.N1	15-APR-2011 13:41:41	Bright	48.500	138	47Eps Vir	2.8280	4700.0	97	47711	No
200	GOM_TRA_1PNPDK20110415_134501_000000693101_00283_47711_4454.N1	15-APR-2011 13:45:01	Bright	69.000	111	8Eta Boo	2.6800	6000.0	138	47711	No
201	GOM_TRA_1PNPDK20110415_134946_000000403101_00283_47711_4455.N1	15-APR-2011 13:49:46	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	47711	No
202	GOM_TRA_1PNPDK20110415_135252_000000513101_00283_47711_4456.N1	15-APR-2011 13:52:52	Bright	51.000	180	27Gam Boo	3.0400	8000.0	102	47711	No
203	GOM_TRA_1PNPDK20110415_135444_000000403101_00283_47711_4457.N1	15-APR-2011 13:54:44	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	47711	No
204	GOM_TRA_1PNPDK20110415_140107_000000373101_00283_47711_4458.N1	15-APR-2011 14:01:07	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	47711	No
205	GOM_TRA_1PNPDK20110415_141111_000000393101_00283_47711_4459.N1	15-APR-2011 14:11:11	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47711	No
206	GOM_TRA_1PNPDK20110415_141625_000000513101_00283_47711_4460.N1	15-APR-2011 14:16:25	Bright	51.000	19	50Alp Cyg	1.2460	10500.	102	47711	No
207	GOM_TRA_1PNPDK20110415_141811_000000553101_00283_47711_4461.N1	15-APR-2011 14:18:11	Bright	54.500	66	37Gam Cyg	2.2080	5900.0	109	47711	No
208	GOM_TRA_1PNPDK20110415_142045_000000553101_00283_47711_4462.N1	15-APR-2011 14:20:45	Bright	54.500	92	53Eps Cyg	2.5000	4500.0	109	47711	No
209	GOM_TRA_1PNPDK20110415_142811_000000593101_00283_47711_4463.N1	15-APR-2011 14:28:11	Dark	58.500	61	8Eps Peg	2.1000	3900.0	117	47711	No
210	GOM_TRA_1PNPDK20110415_143039_000000473101_00283_47711_4464.N1	15-APR-2011 14:30:39	Dark	47.000	162	34Alp Aqr	2.9440	5350.0	94	47711	No
211	GOM_TRA_1PNPDK20110415_143317_000000513101_00283_47711_4465.N1	15-APR-2011 14:33:17	Dark	50.500	154	22Bet Aqr	2.8990	5700.0	101	47711	No
212	GOM_TRA_1PNPDK20110415_143540_000000453101_00283_47711_4466.N1	15-APR-2011 14:35:40	Dark	45.000	142	49Del Cap	2.8500	8900.0	90	47711	No
213	GOM_TRA_1PNPDK20110415_144943_000000623101_00284_47712_4467.N1	15-APR-2011 14:49:43	Dark	62.000	103	38Zet Sgr	2.6000	9700.0	124	47712	No
214	GOM_TRA_1PNPDK20110415_145315_000000633101_00284_47712_4468.N1	15-APR-2011 14:53:15	Dark	62.500	38	20Eps Sgr	1.8360	11000.	125	47712	No
215	GOM_TRA_1PNPDK20110415_145525_000000453101_00284_47712_4469.N1	15-APR-2011 14:55:25	Dark	45.000	147	Alp Ara	2.8770	26000.	90	47712	No
216	GOM_TRA_1PNPDK20110415_145709_000000653101_00284_47712_4470.N1	15-APR-2011 14:57:09	Dark	64.500	25	35Lam Sco	1.6200	28000.	129	47712	No
217	GOM_TRA_1PNPDK20110415_150104_000000703101_00284_47712_4471.N1	15-APR-2011 15:01:04	Straylight	69.500	75	26Eps Sco	2.2910	4250.0	139	47712	No
218	GOM_TRA_1PNPDK20110415_150429_000000463101_00284_47712_4472.N1	15-APR-2011 15:04:29	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	47712	No
219	GOM_TRA_1PNPDK20110415_150650_000000483101_00284_47712_4473.N1	15-APR-2011 15:06:50	Straylight	48.000	54	5The Cen	2.0550	4500.0	96	47712	No
220	GOM_TRA_1PNPDK20110415_151303_000000653101_00284_47712_4482.N1	15-APR-2011 15:13:03	Bright	65.000	122	9Alp2Lib	2.7470	9700.0	130	47712	No
221	GOM_TRA_1PNPDK20110415_151508_000000423101_00284_47712_4483.N1	15-APR-2011 15:15:08	Bright	42.000	15	67Alp Vir	0.97600	28000.	84	47712	No
222	GOM_TRA_1PNPDK20110415_152155_000000383101_00284_47712_4484.N1	15-APR-2011 15:21:55	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	47712	No
223	GOM_TRA_1PNPDK20110415_152515_000000473101_00284_47712_4485.N1	15-APR-2011 15:25:15	Bright	46.500	111	8Eta Boo	2.6800	6000.0	93	47712	No
224	GOM_TRA_1PNPDK20110415_152959_000000393101_00284_47712_4486.N1	15-APR-2011 15:29:59	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	47712	No
225	GOM_TRA_1PNPDK20110415_153306_000000743101_00284_47712_4487.N1	15-APR-2011 15:33:06	Bright	74.000	180	27Gam Boo	3.0400	8000.0	148	47712	No
226	GOM_TRA_1PNPDK20110415_153458_000000353101_00284_47712_4488.N1	15-APR-2011 15:34:58	Bright	35.000	32	77Eps UMa	1.7630	11000.	70	47712	No
227	GOM_TRA_1PNPDK20110415_154120_000000373101_00284_47712_4489.N1	15-APR-2011 15:41:20	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	47712	No
228	GOM_TRA_1PNPDK20110415_155125_000000393101_00284_47712_4490.N1	15-APR-2011 15:51:25	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	47712	No
229	GOM_TRA_1PNPDK20110415_155639_000000483101_00284_47712_4491.N1	15-APR-2011 15:56:39	Bright	48.000	19	50Alp Cyg	1.2460	10500.	96	47712	No
230	GOM_TRA_1PNPDK20110415_155825_000000533101_00284_47712_4492.N1	15-APR-2011 15:58:25	Bright	53.000	66	37Gam Cyg	2.2080	5900.0	106	47712	No
231	GOM_TRA_1PNPDK20110415_160059_000000593101_00284_47712_4493.N1	15-APR-2011 16:00:59	Bright	58.500	92	53Eps Cyg	2.5000	4500.0	117	47712	No
232	GOM_TRA_1PNPDK20110415_160826_000000503101_00284_47712_4494.N1	15-APR-2011 16:08:26	Dark	50.000	61	8Eps Peg	2.1000	3900.0	100	47712	No

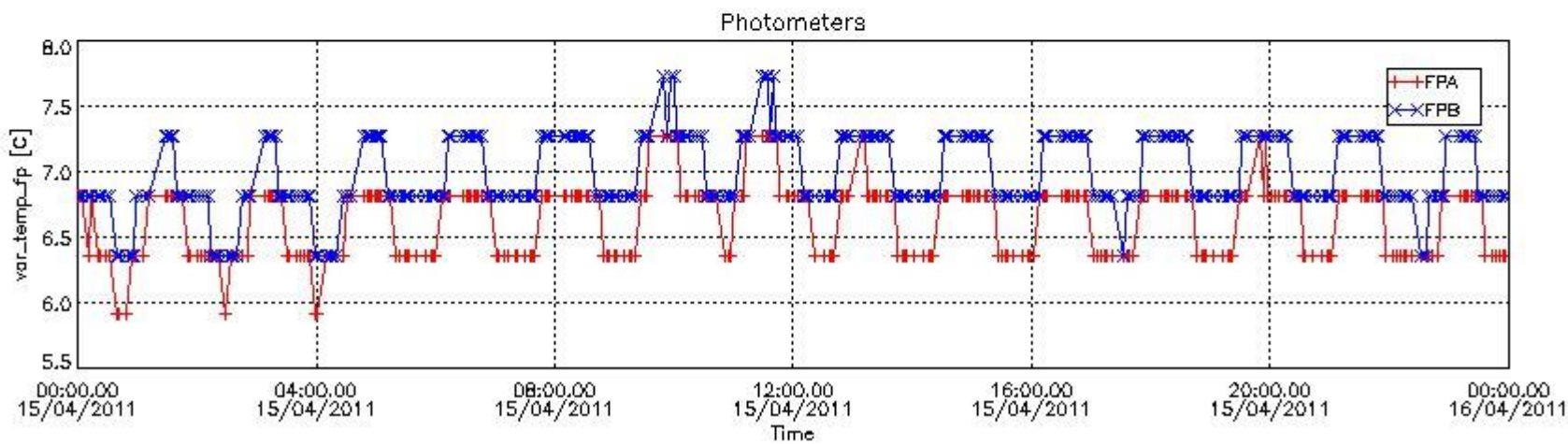
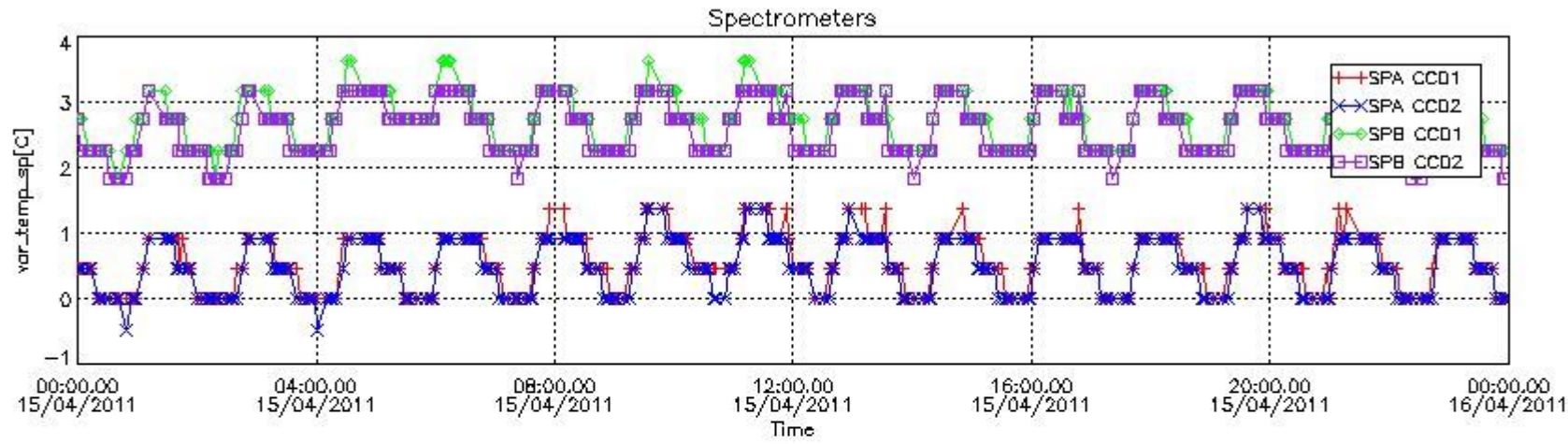
233	GOM_TRA_1PNPDK20110415_161054_000000473101_00284_47712_4495.N1	15-APR-2011 16:10:54	Dark	46.500	162	34Alp Aqr	2.9440	5350.0	93	47712	No
234	GOM_TRA_1PNPDK20110415_161332_000000493101_00284_47712_4496.N1	15-APR-2011 16:13:32	Dark	49.000	154	22Bet Aqr	2.8990	5700.0	98	47712	No
235	GOM_TRA_1PNPDK20110415_161555_000000473101_00284_47712_4497.N1	15-APR-2011 16:15:55	Dark	46.500	142	49Del Cap	2.8500	8900.0	93	47712	No
236	GOM_TRA_1PNPDK20110415_162959_000000623101_00285_47713_4498.N1	15-APR-2011 16:29:59	Dark	62.000	103	38Zet Sgr	2.6000	9700.0	124	47713	No
237	GOM_TRA_1PNPDK20110415_163331_000000623101_00285_47713_4499.N1	15-APR-2011 16:33:31	Dark	61.500	38	20Eps Sgr	1.8360	11000.	123	47713	No
238	GOM_TRA_1PNPDK20110415_163540_000000473101_00285_47713_4500.N1	15-APR-2011 16:35:40	Dark	46.500	147	Alp Ara	2.8770	26000.	93	47713	No
239	GOM_TRA_1PNPDK20110415_163724_000000613101_00285_47713_4501.N1	15-APR-2011 16:37:24	Dark	61.000	25	35Lam Sco	1.6200	28000.	122	47713	No
240	GOM_TRA_1PNPDK20110415_164119_000000653101_00285_47713_4502.N1	15-APR-2011 16:41:19	Straylight	64.500	75	26Eps Sco	2.2910	4250.0	129	47713	No
241	GOM_TRA_1PNPDK20110415_164443_000000453101_00285_47713_4503.N1	15-APR-2011 16:44:43	Straylight	45.000	81	Eta Cen	2.3560	28000.	90	47713	No
242	GOM_TRA_1PNPDK20110415_164704_000000483101_00285_47713_4500.N1	15-APR-2011 16:47:04	Straylight	48.000	54	5The Cen	2.0550	4500.0	96	47713	Yes
243	GOM_TRA_1PNPDK20110415_165317_000000763101_00285_47713_4501.N1	15-APR-2011 16:53:17	Bright	75.500	122	9Alp2Lib	2.7470	9700.0	151	47713	No
244	GOM_TRA_1PNPDK20110415_165522_000000453101_00285_47713_4502.N1	15-APR-2011 16:55:22	Bright	44.500	15	67Alp Vir	0.97600	28000.	89	47713	No
245	GOM_TRA_1PNPDK20110415_170209_000000573101_00285_47713_4503.N1	15-APR-2011 17:02:09	Bright	57.000	138	47Eps Vir	2.8280	4700.0	114	47713	No
246	GOM_TRA_1PNPDK20110415_170528_000000483101_00285_47713_4504.N1	15-APR-2011 17:05:28	Bright	47.500	111	8Eta Boo	2.6800	6000.0	95	47713	No
247	GOM_TRA_1PNPDK20110415_171013_000000393101_00285_47713_4505.N1	15-APR-2011 17:10:13	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	47713	No
248	GOM_TRA_1PNPDK20110415_171319_000000493101_00285_47713_4506.N1	15-APR-2011 17:13:19	Bright	49.000	180	27Gam Boo	3.0400	8000.0	98	47713	No
249	GOM_TRA_1PNPDK20110415_171511_000000383101_00285_47713_4507.N1	15-APR-2011 17:15:11	Bright	37.500	32	77Eps UMa	1.7630	11000.	75	47713	No
250	GOM_TRA_1PNPDK20110415_172134_000000413101_00285_47713_4508.N1	15-APR-2011 17:21:34	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	47713	No
251	GOM_TRA_1PNPDK20110415_173139_000000393101_00285_47713_4509.N1	15-APR-2011 17:31:39	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	47713	No
252	GOM_TRA_1PNPDK20110415_173653_000000553101_00285_47713_4510.N1	15-APR-2011 17:36:53	Bright	54.500	19	50Alp Cyg	1.2460	10500.	109	47713	No
253	GOM_TRA_1PNPDK20110415_173839_000000573101_00285_47713_4511.N1	15-APR-2011 17:38:39	Bright	56.500	66	37Gam Cyg	2.2080	5900.0	113	47713	No
254	GOM_TRA_1PNPDK20110415_174113_000000573101_00285_47713_4512.N1	15-APR-2011 17:41:13	Bright	57.000	92	53Eps Cyg	2.5000	4500.0	114	47713	No
255	GOM_TRA_1PNPDK20110415_174840_000000523101_00285_47713_4513.N1	15-APR-2011 17:48:40	Dark	51.500	61	8Eps Peg	2.1000	3900.0	103	47713	No
256	GOM_TRA_1PNPDK20110415_175108_000000463101_00285_47713_4514.N1	15-APR-2011 17:51:08	Dark	45.500	162	34Alp Aqr	2.9440	5350.0	91	47713	No
257	GOM_TRA_1PNPDK20110415_175347_000000493101_00285_47713_4515.N1	15-APR-2011 17:53:47	Dark	49.000	154	22Bet Aqr	2.8990	5700.0	98	47713	No
258	GOM_TRA_1PNPDK20110415_175609_000000413101_00285_47713_4516.N1	15-APR-2011 17:56:09	Dark	41.000	142	49Del Cap	2.8500	8900.0	82	47713	No
259	GOM_TRA_1PNPDK20110415_181014_000000653101_00286_47714_4517.N1	15-APR-2011 18:10:14	Dark	65.000	103	38Zet Sgr	2.6000	9700.0	130	47714	No
260	GOM_TRA_1PNPDK20110415_181347_000000643101_00286_47714_4518.N1	15-APR-2011 18:13:47	Dark	64.000	38	20Eps Sgr	1.8360	11000.	128	47714	No
261	GOM_TRA_1PNPDK20110415_181555_000000473101_00286_47714_4519.N1	15-APR-2011 18:15:55	Dark	46.500	147	Alp Ara	2.8770	26000.	93	47714	No
262	GOM_TRA_1PNPDK20110415_181740_000000613101_00286_47714_4520.N1	15-APR-2011 18:17:40	Dark	61.000	25	35Lam Sco	1.6200	28000.	122	47714	No
263	GOM_TRA_1PNPDK20110415_182134_000000713101_00286_47714_4521.N1	15-APR-2011 18:21:34	Straylight	70.500	75	26Eps Sco	2.2910	4250.0	141	47714	No
264	GOM_TRA_1PNPDK20110415_182458_000000423101_00286_47714_4522.N1	15-APR-2011 18:24:58	Straylight	42.000	81	Eta Cen	2.3560	28000.	84	47714	No
265	GOM_TRA_1PNPDK20110415_182719_000000493101_00286_47714_4537.N1	15-APR-2011 18:27:19	Straylight	48.500	54	5The Cen	2.0550	4500.0	97	47714	No
266	GOM_TRA_1PNPDK20110415_183332_000000683101_00286_47714_4538.N1	15-APR-2011 18:33:32	Bright	67.500	122	9Alp2Lib	2.7470	9700.0	135	47714	No
267	GOM_TRA_1PNPDK20110415_183536_000000453101_00286_47714_4539.N1	15-APR-2011 18:35:36	Bright	44.500	15	67Alp Vir	0.97600	28000.	89	47714	No
268	GOM_TRA_1PNPDK20110415_184223_000000403101_00286_47714_4540.N1	15-APR-2011 18:42:23	Bright	39.500	138	47Eps Vir	2.8280	4700.0	79	47714	No
269	GOM_TRA_1PNPDK20110415_184542_000000493101_00286_47714_4541.N1	15-APR-2011 18:45:42	Bright	48.500	111	8Eta Boo	2.6800	6000.0	97	47714	No
270	GOM_TRA_1PNPDK20110415_185027_000000403101_00286_47714_4542.N1	15-APR-2011 18:50:27	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	47714	No
271	GOM_TRA_1PNPDK20110415_185332_000000533101_00286_47714_4543.N1	15-APR-2011 18:53:32	Bright	52.500	180	27Gam Boo	3.0400	8000.0	105	47714	No
272	GOM_TRA_1PNPDK20110415_185525_000000383101_00286_47714_4544.N1	15-APR-2011 18:55:25	Bright	37.500	32	77Eps UMa	1.7630	11000.	75	47714	No
273	GOM_TRA_1PNPDK20110415_190148_000000413101_00286_47714_4545.N1	15-APR-2011 19:01:48	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	47714	No
274	GOM_TRA_1PNPDK20110415_191153_000000393101_00286_47714_4546.N1	15-APR-2011 19:11:53	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47714	No
275	GOM_TRA_1PNPDK20110415_191707_000000493101_00286_47714_4547.N1	15-APR-2011 19:17:07	Bright	49.000	19	50Alp Cyg	1.2460	10500.	98	47714	No
276	GOM_TRA_1PNPDK20110415_191853_000000563101_00286_47714_4548.N1	15-APR-2011 19:18:53	Bright	55.500	66	37Gam Cyg	2.2080	5900.0	111	47714	No
277	GOM_TRA_1PNPDK20110415_192127_000000553101_00286_47714_4549.N1	15-APR-2011 19:21:27	Bright	55.000	92	53Eps Cyg	2.5000	4500.0	110	47714	No
278	GOM_TRA_1PNPDK20110415_192855_000000563101_00286_47714_4550.N1	15-APR-2011 19:28:55	Dark	56.000	61	8Eps Peg	2.1000	3900.0	112	47714	No
279	GOM_TRA_1PNPDK20110415_193123_000000473101_00286_47714_4551.N1	15-APR-2011 19:31:23	Dark	47.000	162	34Alp Aqr	2.9440	5350.0	94	47714	No
280	GOM_TRA_1PNPDK20110415_193401_000000473101_00286_47714_4552.N1	15-APR-2011 19:34:01	Dark	47.000	154	22Bet Aqr	2.8990	5700.0	94	47714	No
281	GOM_TRA_1PNPDK20110415_193624_000000443101_00286_47714_4553.N1	15-APR-2011 19:36:24	Dark	44.000	142	49Del Cap	2.8500	8900.0	88	47714	No
282	GOM_TRA_1PNPDK20110415_195030_000000613101_00287_47715_4554.N1	15-APR-2011 19:50:30	Dark	61.000	103	38Zet Sgr	2.6000	9700.0	122	47715	No
283	GOM_TRA_1PNPDK20110415_195402_000000633101_00287_47715_4555.N1	15-APR-2011 19:54:02	Dark	63.000	38	20Eps Sgr	1.8360	11000.	126	47715	No
284	GOM_TRA_1PNPDK20110415_195610_000000473101_00287_47715_4556.N1	15-APR-2011 19:56:10	Dark	47.000	147	Alp Ara	2.8770	26000.	94	47715	No
285	GOM_TRA_1PNPDK20110415_195755_000000613101_00287_47715_4557.N1	15-APR-2011 19:57:55	Dark	61.000	25	35Lam Sco	1.6200	28000.	122	47715	No
286	GOM_TRA_1PNPDK20110415_200149_000000663101_00287_47715_4558.N1	15-APR-2011 20:01:49	Straylight	66.000	75	26Eps Sco	2.2910	4250.0	132	47715	No
287	GOM_TRA_1PNPDE20110415_200512_000000463101_00287_47715_5662.N1	15-APR-2011 20:05:12	Straylight	46.000	81	Eta Cen	2.3560	28000.	92	47715	No
288	GOM_TRA_1PNPDE20110415_200733_000000493101_00287_47715_5663.N1	15-APR-2011 20:07:33	Straylight	49.000	54	5The Cen	2.0550	4500.0	98	47715	No
289	GOM_TRA_1PNPDE20110415_201346_000000703101_00287_47715_5664.N1	15-APR-2011 20:13:46	Bright	70.000	122	9Alp2Lib	2.7470	9700.0	140	47715	No
290	GOM_TRA_1PNPDE20110415_201550_000000443101_00287_47715_5665.N1	15-APR-2011 20:15:50	Bright	43.500	15	67Alp Vir	0.97600	28000.	87	47715	No
291	GOM_TRA_1PNPDE20110415_202237_000000403101_00287_47715_5666.N1	15-APR-2011 20:22:37	Bright	39.500	138	47Eps Vir	2.8280	4700.0	79	47715	No



292	GOM_TRA_1PNPDE20110415_202555_000000483101_00287_47715_5667.N1	15-APR-2011 20:25:55	Bright	48.000	111	8Eta Boo	2.6800	6000.0	96	47715	No
293	GOM_TRA_1PNPDE20110415_203041_000000403101_00287_47715_5668.N1	15-APR-2011 20:30:41	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	47715	No
294	GOM_TRA_1PNPDE20110415_203345_000000503101_00287_47715_5669.N1	15-APR-2011 20:33:45	Bright	49.500	180	27Gam Boo	3.0400	8000.0	99	47715	No
295	GOM_TRA_1PNPDE20110415_203539_000000373101_00287_47715_5670.N1	15-APR-2011 20:35:39	Bright	37.000	32	77Eps UMa	1.7630	11000.	74	47715	No
296	GOM_TRA_1PNPDE20110415_204201_000000413101_00287_47715_5671.N1	15-APR-2011 20:42:01	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	47715	No
297	GOM_TRA_1PNPDE20110415_205206_000000403101_00287_47715_5672.N1	15-APR-2011 20:52:06	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	47715	No
298	GOM_TRA_1PNPDE20110415_205721_000000513101_00287_47715_5673.N1	15-APR-2011 20:57:21	Bright	50.500	19	50Alp Cyg	1.2460	10500.	101	47715	No
299	GOM_TRA_1PNPDE20110415_205907_000000773101_00287_47715_5674.N1	15-APR-2011 20:59:07	Bright	77.000	66	37Gam Cyg	2.2080	5900.0	154	47715	No
300	GOM_TRA_1PNPDE20110415_210141_000000523101_00287_47715_5675.N1	15-APR-2011 21:01:41	Bright	51.500	92	53Eps Cyg	2.5000	4500.0	103	47715	No
301	GOM_TRA_1PNPDE20110415_210909_000000523101_00287_47715_5688.N1	15-APR-2011 21:09:09	Dark	52.000	61	8Eps Peg	2.1000	3900.0	104	47715	No
302	GOM_TRA_1PNPDE20110415_211137_000000463101_00287_47715_5689.N1	15-APR-2011 21:11:37	Dark	46.000	162	34Alp Aqr	2.9440	5350.0	92	47715	No
303	GOM_TRA_1PNPDE20110415_211416_000000493101_00287_47715_5690.N1	15-APR-2011 21:14:16	Dark	48.500	154	22Bet Aqr	2.8990	5700.0	97	47715	No
304	GOM_TRA_1PNPDE20110415_211638_000000403101_00287_47715_5691.N1	15-APR-2011 21:16:38	Dark	39.500	142	49Del Cap	2.8500	8900.0	79	47715	No
305	GOM_TRA_1PNPDE20110415_213045_000000653101_00288_47716_5692.N1	15-APR-2011 21:30:45	Dark	65.000	103	38Zet Sgr	2.6000	9700.0	130	47716	No
306	GOM_TRA_1PNPDE20110415_213417_000000633101_00288_47716_5693.N1	15-APR-2011 21:34:17	Dark	63.000	38	20Eps Sgr	1.8360	11000.	126	47716	No
307	GOM_TRA_1PNPDE20110415_213624_000000453101_00288_47716_5694.N1	15-APR-2011 21:36:24	Dark	45.000	147	Alp Ara	2.8770	26000.	90	47716	No
308	GOM_TRA_1PNPDE20110415_213810_000000623101_00288_47716_5695.N1	15-APR-2011 21:38:10	Dark	62.000	25	35Lam Sco	1.6200	28000.	124	47716	No
309	GOM_TRA_1PNPDE20110415_214204_000000703101_00288_47716_5696.N1	15-APR-2011 21:42:04	Straylight	70.000	75	26Eps Sco	2.2910	4250.0	140	47716	No
310	GOM_TRA_1PNPDE20110415_214527_000000463101_00288_47716_5697.N1	15-APR-2011 21:45:27	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	47716	No
311	GOM_TRA_1PNPDE20110415_214747_000000483101_00288_47716_5698.N1	15-APR-2011 21:47:47	Straylight	47.500	54	5The Cen	2.0550	4500.0	95	47716	No
312	GOM_TRA_1PNPDE20110415_215400_000000633101_00288_47716_5699.N1	15-APR-2011 21:54:00	Bright	63.000	122	9Alp2Lib	2.7470	9700.0	126	47716	No
313	GOM_TRA_1PNPDE20110415_215604_000000463101_00288_47716_5700.N1	15-APR-2011 21:56:04	Bright	46.000	15	67Alp Vir	0.97600	28000.	92	47716	No
314	GOM_TRA_1PNPDE20110415_220251_000000403101_00288_47716_5701.N1	15-APR-2011 22:02:51	Bright	39.500	138	47Eps Vir	2.8280	4700.0	79	47716	No
315	GOM_TRA_1PNPDE20110415_220609_000000473101_00288_47716_5702.N1	15-APR-2011 22:06:09	Bright	46.500	111	8Eta Boo	2.6800	6000.0	93	47716	No
316	GOM_TRA_1PNPDE20110415_221054_000000393101_00288_47716_5703.N1	15-APR-2011 22:10:54	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	47716	No
317	GOM_TRA_1PNPDE20110415_221358_000000503101_00288_47716_5704.N1	15-APR-2011 22:13:58	Bright	49.500	180	27Gam Boo	3.0400	8000.0	99	47716	No
318	GOM_TRA_1PNPDE20110415_221552_000000403101_00288_47716_5705.N1	15-APR-2011 22:15:52	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	47716	No
319	GOM_TRA_1PNPDE20110415_222215_000000403101_00288_47716_5706.N1	15-APR-2011 22:22:15	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47716	No
320	GOM_TRA_1PNPDE20110415_223220_000000403101_00288_47716_5707.N1	15-APR-2011 22:32:20	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	47716	No
321	GOM_TRA_1PNPDE20110415_223734_000000693101_00288_47716_5708.N1	15-APR-2011 22:37:34	Bright	69.000	19	50Alp Cyg	1.2460	10500.	138	47716	No
322	GOM_TRA_1PNPDE20110415_223921_000000553101_00288_47716_5709.N1	15-APR-2011 22:39:21	Bright	55.000	66	37Gam Cyg	2.2080	5900.0	110	47716	No
323	GOM_TRA_1PNPDE20110415_224155_000000553101_00288_47716_5710.N1	15-APR-2011 22:41:55	Bright	54.500	92	53Eps Cyg	2.5000	4500.0	109	47716	No
324	GOM_TRA_1PNPDE20110415_224923_000000533101_00288_47716_5711.N1	15-APR-2011 22:49:23	Dark	52.500	61	8Eps Peg	2.1000	3900.0	105	47716	No
325	GOM_TRA_1PNPDE20110415_225152_000000473101_00288_47716_5712.N1	15-APR-2011 22:51:52	Dark	47.000	162	34Alp Aqr	2.9440	5350.0	94	47716	No
326	GOM_TRA_1PNPDE20110415_225431_000000523101_00288_47716_5713.N1	15-APR-2011 22:54:31	Dark	52.000	154	22Bet Aqr	2.8990	5700.0	104	47716	No
327	GOM_TRA_1PNPDE20110415_225653_000000443101_00288_47716_5706.N1	15-APR-2011 22:56:53	Dark	44.000	142	49Del Cap	2.8500	8900.0	88	47716	No
328	GOM_TRA_1PNPDE20110415_231101_000000603101_00289_47717_5707.N1	15-APR-2011 23:11:01	Dark	60.000	103	38Zet Sgr	2.6000	9700.0	120	47717	No
329	GOM_TRA_1PNPDE20110415_231433_000000643101_00289_47717_5708.N1	15-APR-2011 23:14:33	Dark	63.500	38	20Eps Sgr	1.8360	11000.	127	47717	No
330	GOM_TRA_1PNPDE20110415_231639_000000463101_00289_47717_5709.N1	15-APR-2011 23:16:39	Dark	45.500	147	Alp Ara	2.8770	26000.	91	47717	No
331	GOM_TRA_1PNPDE20110415_231825_000000633101_00289_47717_5710.N1	15-APR-2011 23:18:25	Dark	63.000	25	35Lam Sco	1.6200	28000.	126	47717	No
332	GOM_TRA_1PNPDE20110415_232219_000000803101_00289_47717_5711.N1	15-APR-2011 23:22:19	Straylight	79.500	75	26Eps Sco	2.2910	4250.0	159	47717	No
333	GOM_TRA_1PNPDE20110415_232541_000000433101_00289_47717_5712.N1	15-APR-2011 23:25:41	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	47717	No
334	GOM_TRA_1PNPDE20110415_232802_000000473101_00289_47717_5713.N1	15-APR-2011 23:28:02	Straylight	46.500	54	5The Cen	2.0550	4500.0	93	47717	No
335	GOM_TRA_1PNPDE20110415_233414_000000673101_00289_47717_5714.N1	15-APR-2011 23:34:14	Bright	67.000	122	9Alp2Lib	2.7470	9700.0	134	47717	No
336	GOM_TRA_1PNPDE20110415_233618_000000453101_00289_47717_5715.N1	15-APR-2011 23:36:18	Bright	45.000	15	67Alp Vir	0.97600	28000.	90	47717	No
337	GOM_TRA_1PNPDE20110415_234305_000000393101_00289_47717_5716.N1	15-APR-2011 23:43:05	Bright	39.000	138	47Eps Vir	2.8280	4700.0	78	47717	No
338	GOM_TRA_1PNPDE20110415_234622_000000473101_00289_47717_5717.N1	15-APR-2011 23:46:22	Bright	47.000	111	8Eta Boo	2.6800	6000.0	94	47717	No
339	GOM_TRA_1PNPDE20110415_235108_000000413101_00289_47717_5718.N1	15-APR-2011 23:51:08	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	47717	No
340	GOM_TRA_1PNPDE20110415_235411_000000473101_00289_47717_5719.N1	15-APR-2011 23:54:11	Bright	47.000	180	27Gam Boo	3.0400	8000.0	94	47717	No
341	GOM_TRA_1PNPDE20110415_235606_000000403101_00289_47717_5720.N1	15-APR-2011 23:56:06	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	47717	No

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





#### 4. Overview of dark signal processing per product

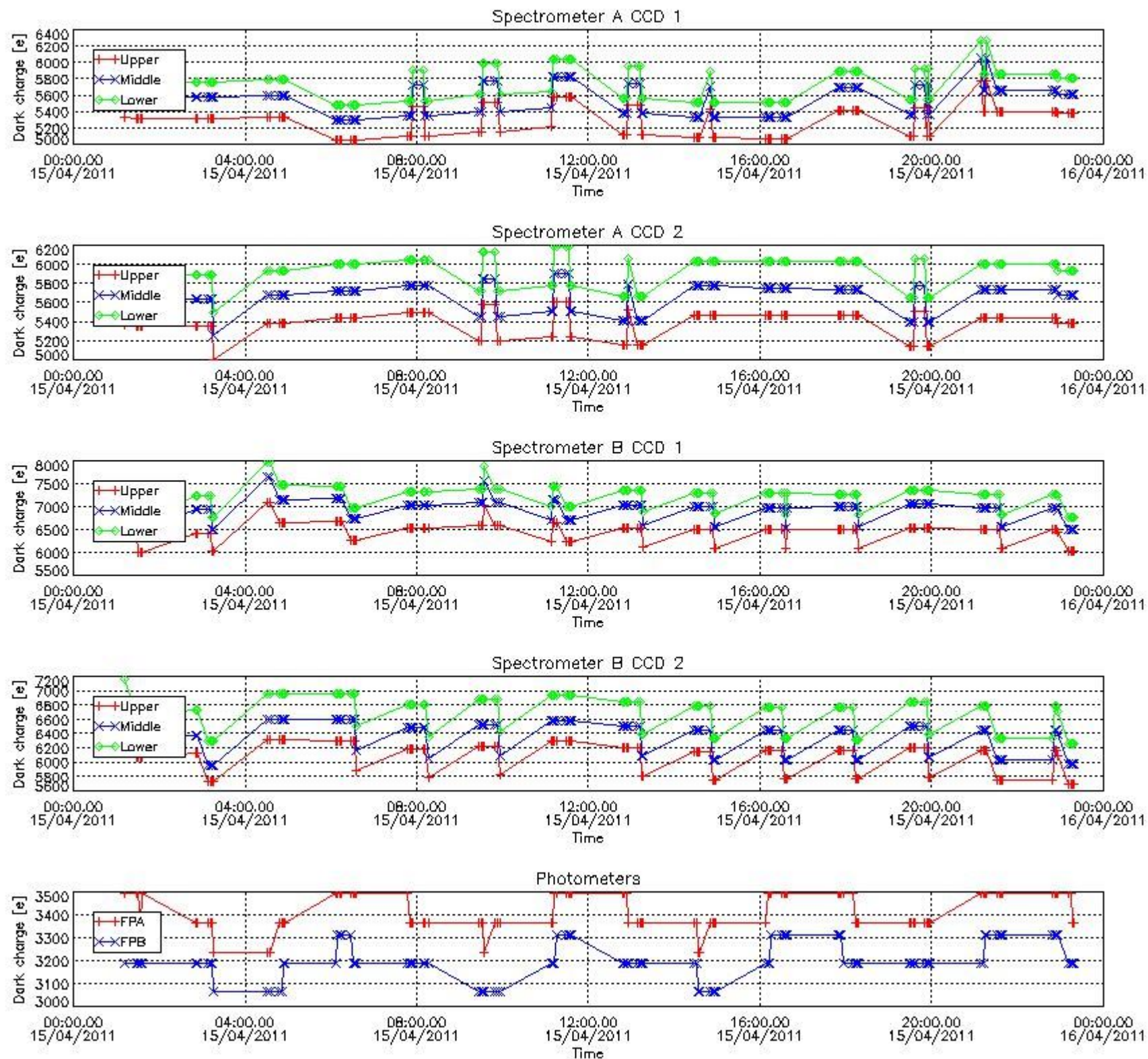
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20110415_200512_000000463101_00287_47715_5662.N1	DC map used
GOM_TRA_1PNPDE20110415_200733_000000493101_00287_47715_5663.N1	DC map used
GOM_TRA_1PNPDE20110415_201346_000000703101_00287_47715_5664.N1	DC map used
GOM_TRA_1PNPDE20110415_201550_000000443101_00287_47715_5665.N1	DC map used
GOM_TRA_1PNPDE20110415_202237_000000403101_00287_47715_5666.N1	DC map used
GOM_TRA_1PNPDE20110415_202555_000000483101_00287_47715_5667.N1	DC map used
GOM_TRA_1PNPDE20110415_203041_000000403101_00287_47715_5668.N1	DC map used
GOM_TRA_1PNPDE20110415_203345_000000503101_00287_47715_5669.N1	DC map used
GOM_TRA_1PNPDE20110415_203539_000000373101_00287_47715_5670.N1	DC map used
GOM_TRA_1PNPDE20110415_204201_000000413101_00287_47715_5671.N1	DC map used
GOM_TRA_1PNPDE20110415_205206_000000403101_00287_47715_5672.N1	DC map used
GOM_TRA_1PNPDE20110415_205721_000000513101_00287_47715_5673.N1	DC map used
GOM_TRA_1PNPDE20110415_205907_000000773101_00287_47715_5674.N1	DC map used
GOM_TRA_1PNPDE20110415_210141_000000523101_00287_47715_5675.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

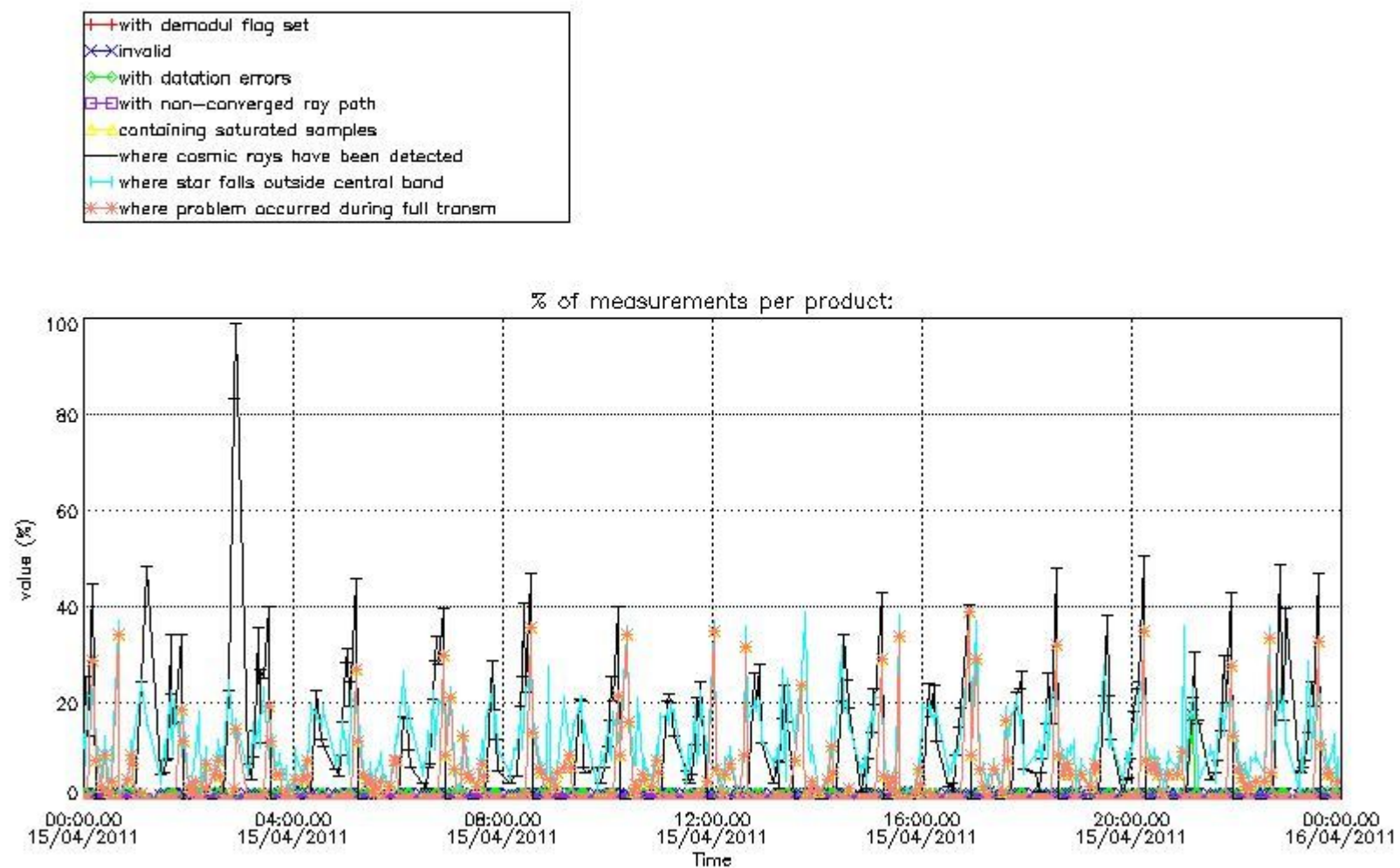
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.



5.1 Percentage of products during reporting period with:

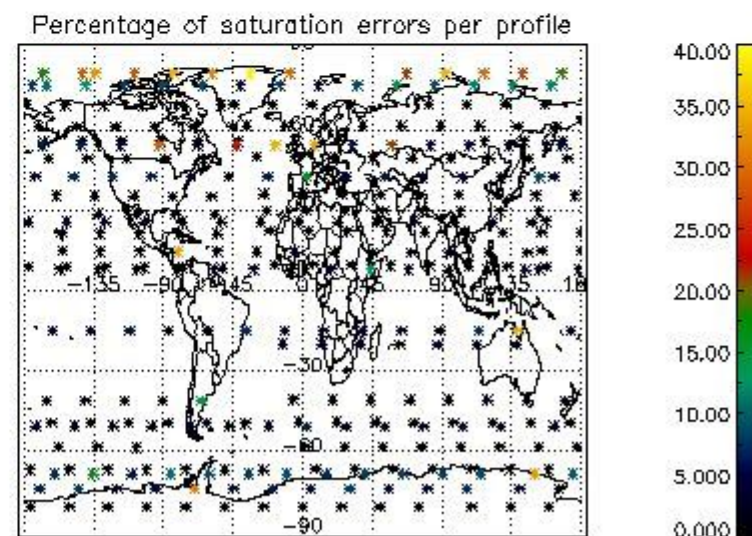
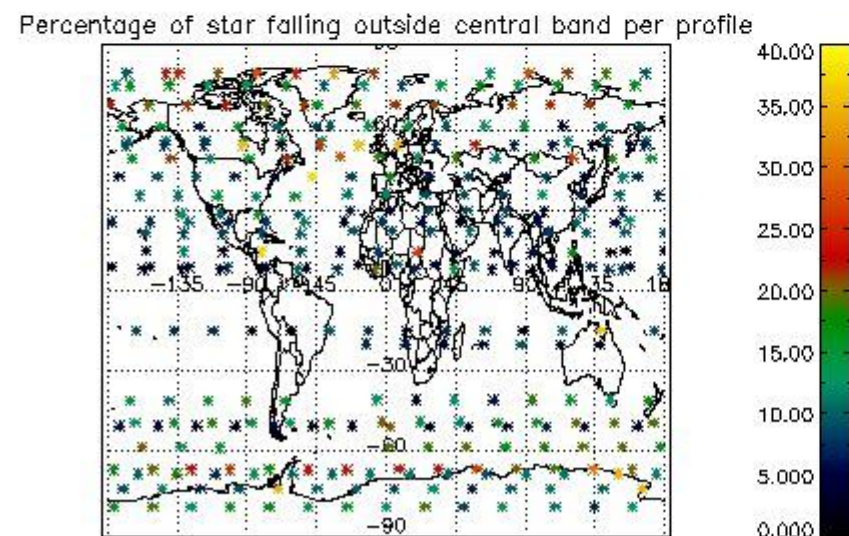
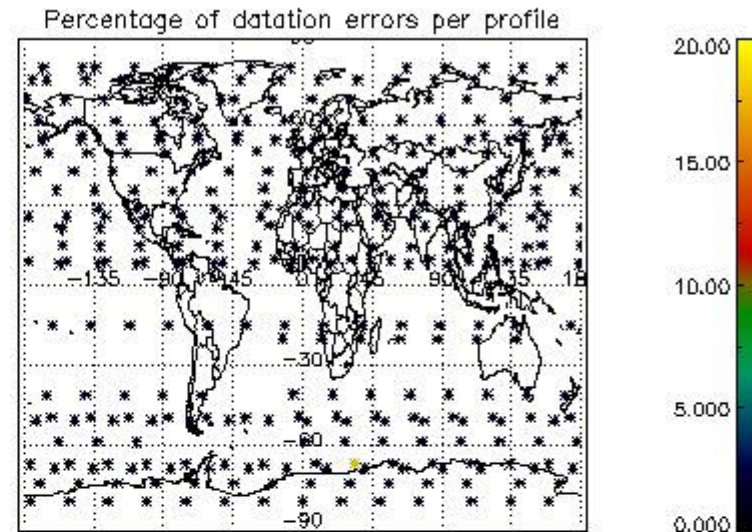
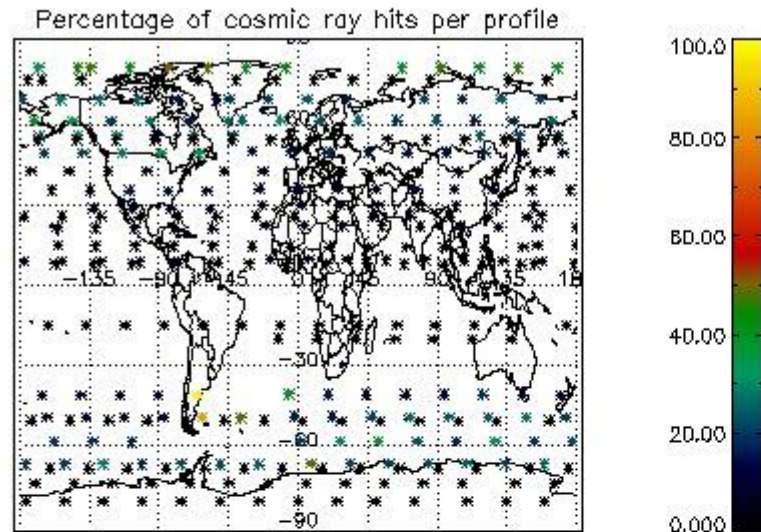
At least one measurement with demodulation flag set:	45.8580 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)





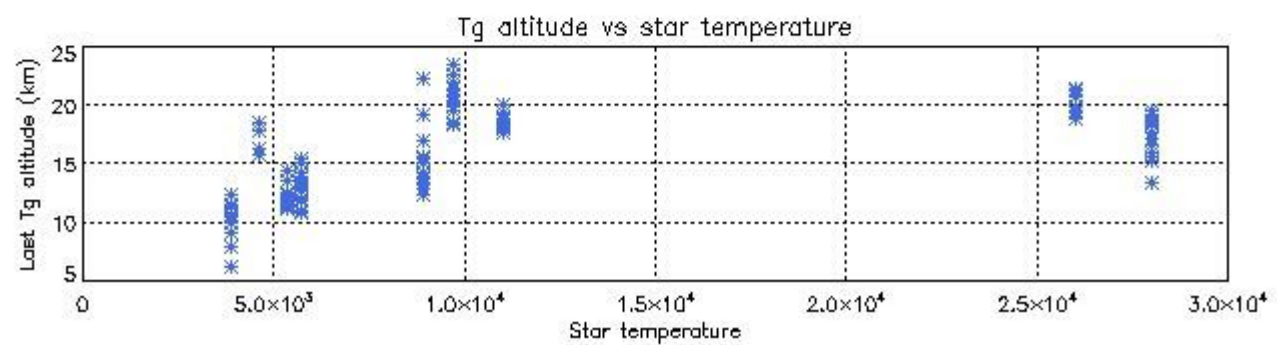
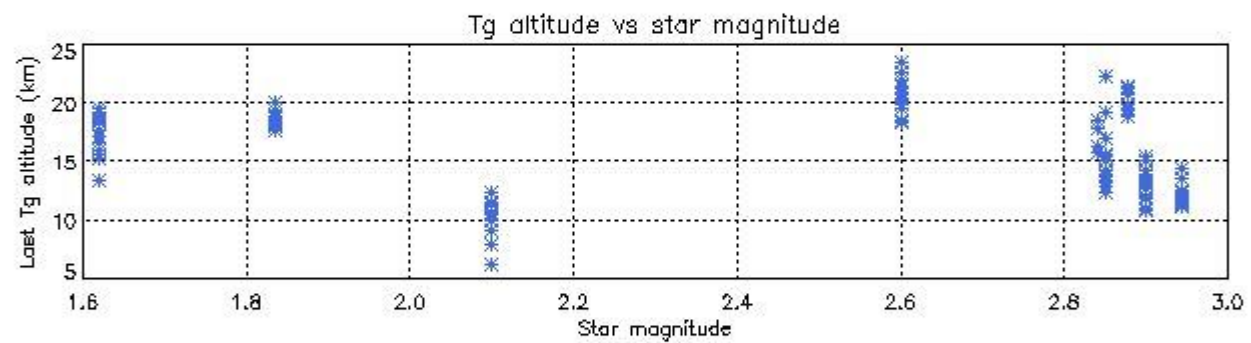
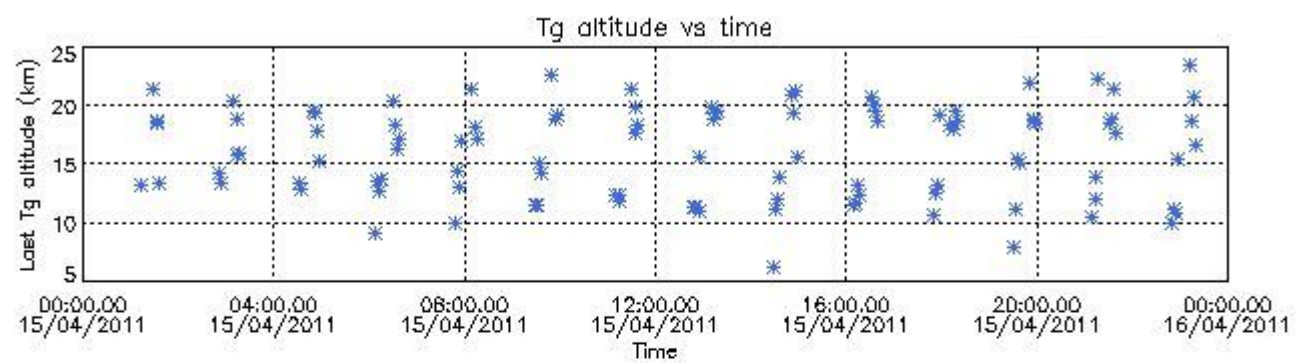
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.995	18.060	10.329
St. deviation:	3.8482	5.3341	1.6064
Maximum:	23.405	27.962	12.175
Minimum:	6.1402	3.1849	9.2495
Number of data:	103.00	180.00	3.0000

### 6.2 Plot for DARK limb products

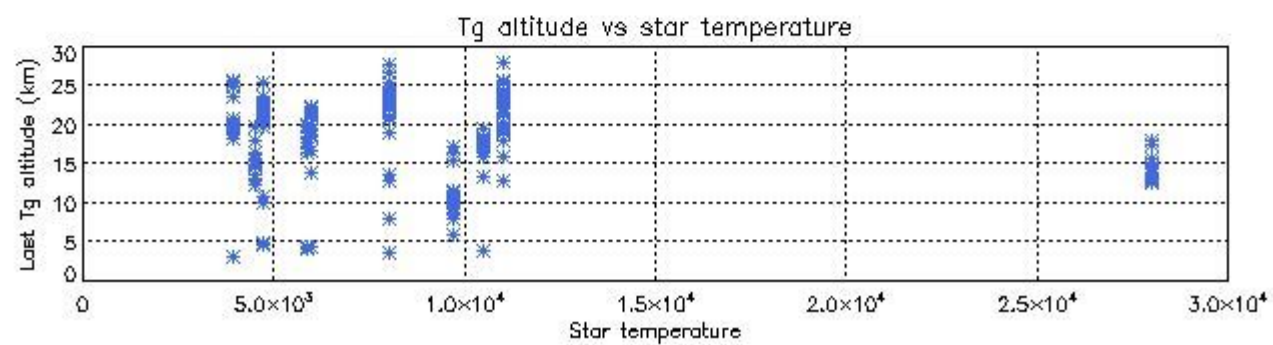
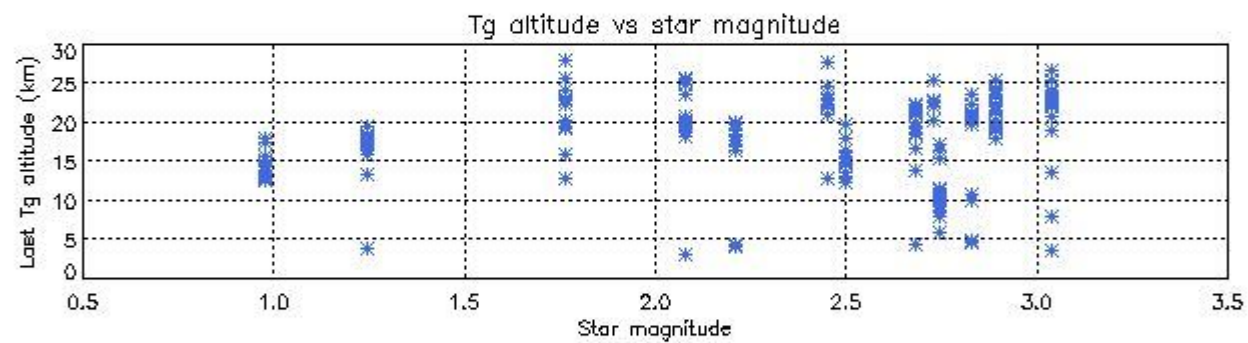
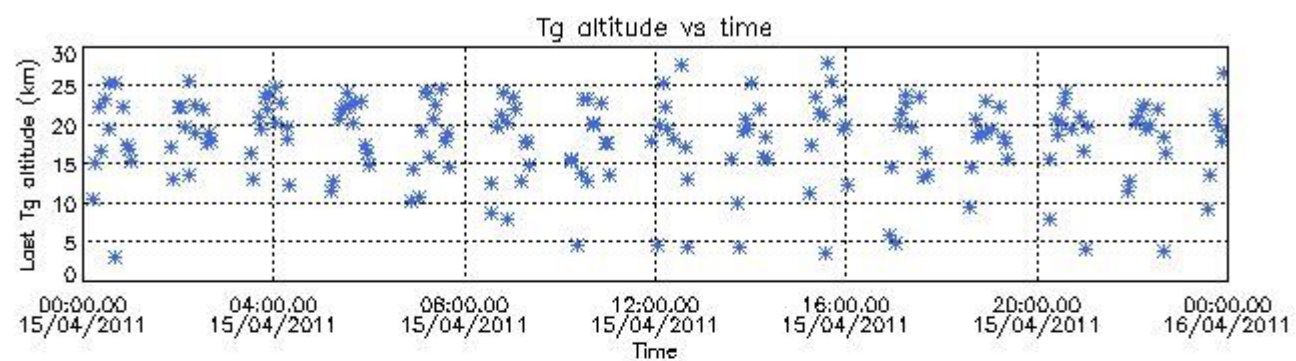
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products



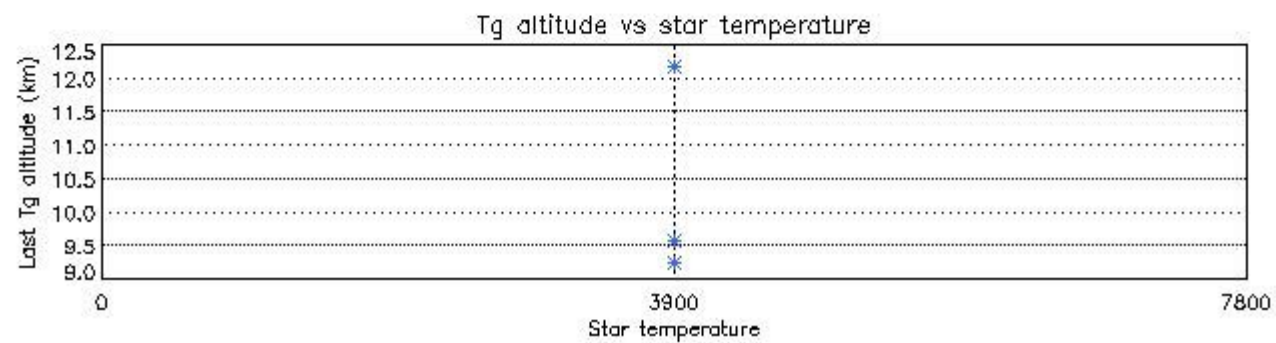
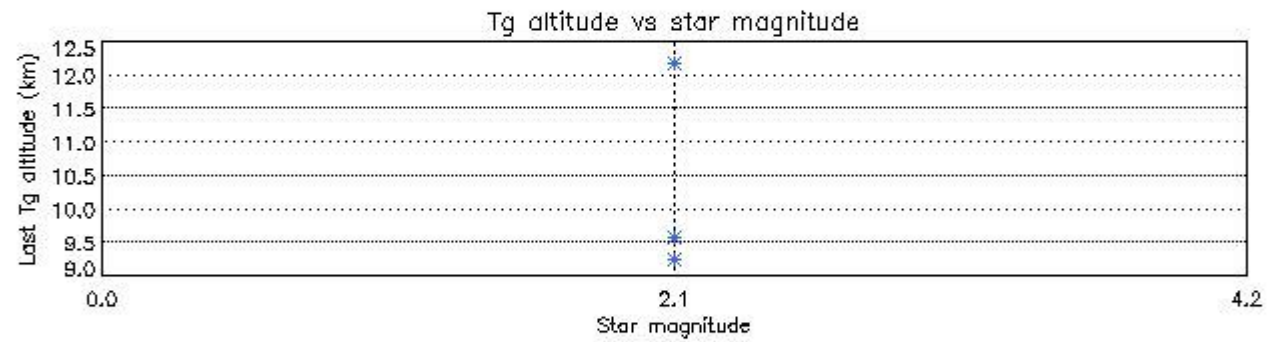
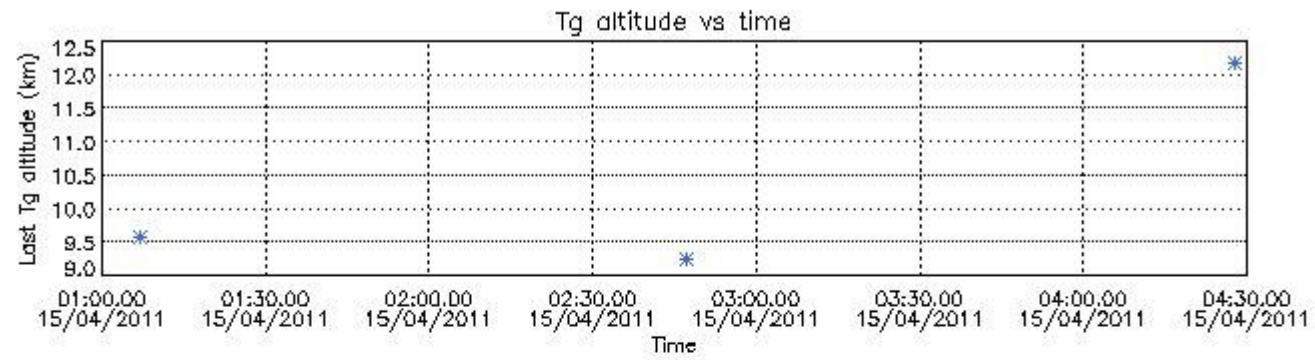
Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products



Tangent altitude at which the star is lost

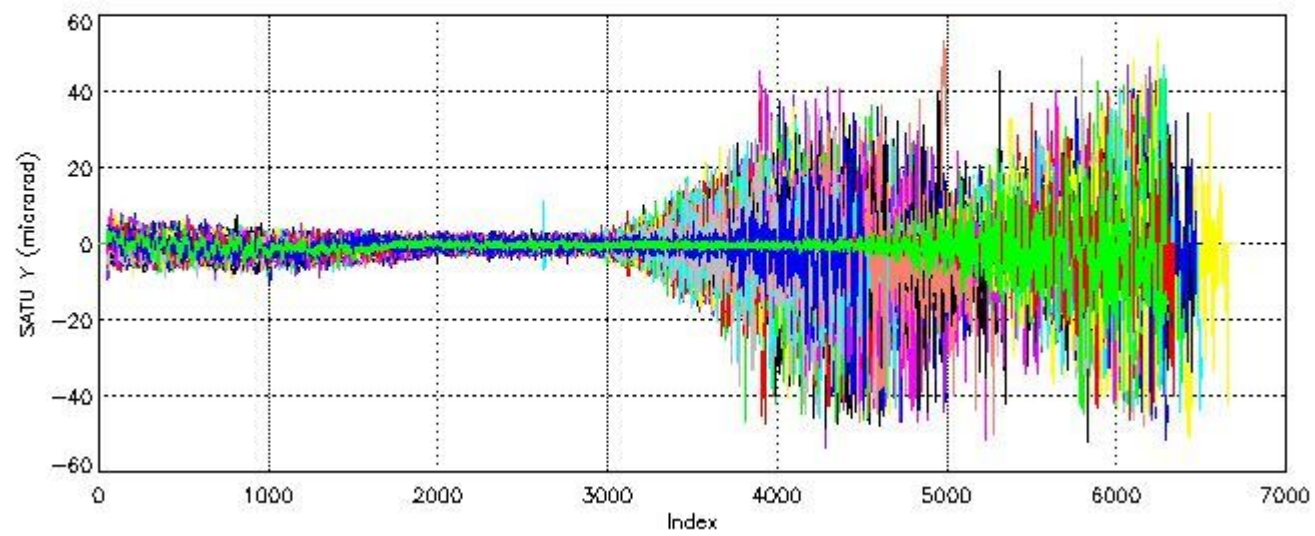
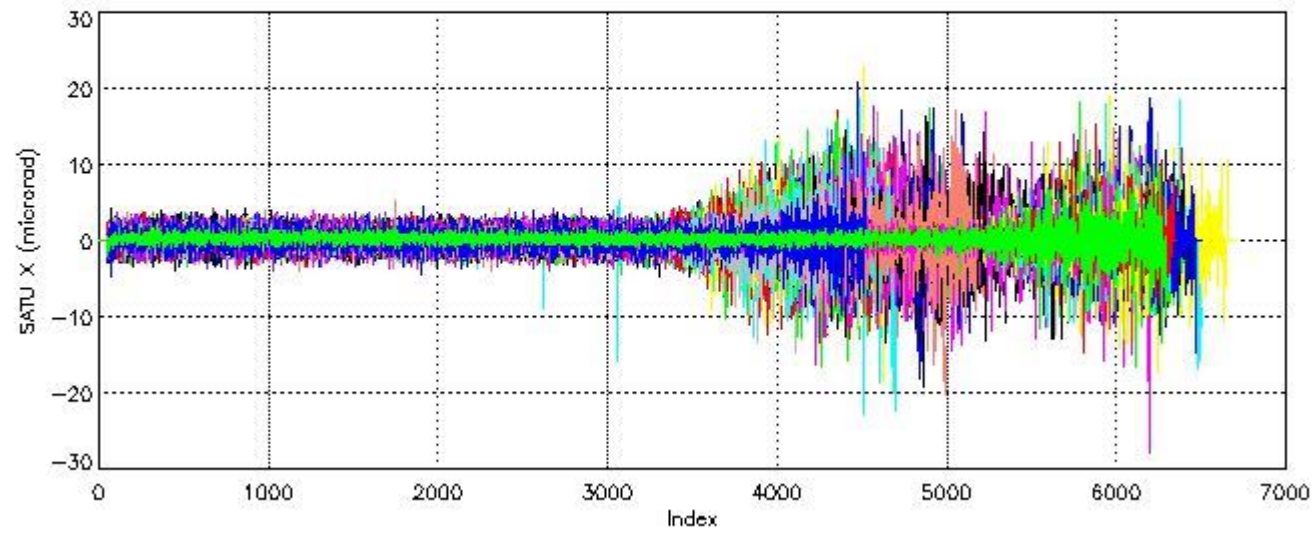


## 7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.23469	-1.1137	0.28879	-1.2953
St. deviation:	0.68792	1.7289	0.77854	1.6638
Maximum:	4.3000	9.0000	6.0000	9.8000
Minimum:	-4.7000	-10.400	-5.8000	-11.700

Number of data: 1.2595E+05 1.2595E+05 1.9195E+05 1.9195E+05

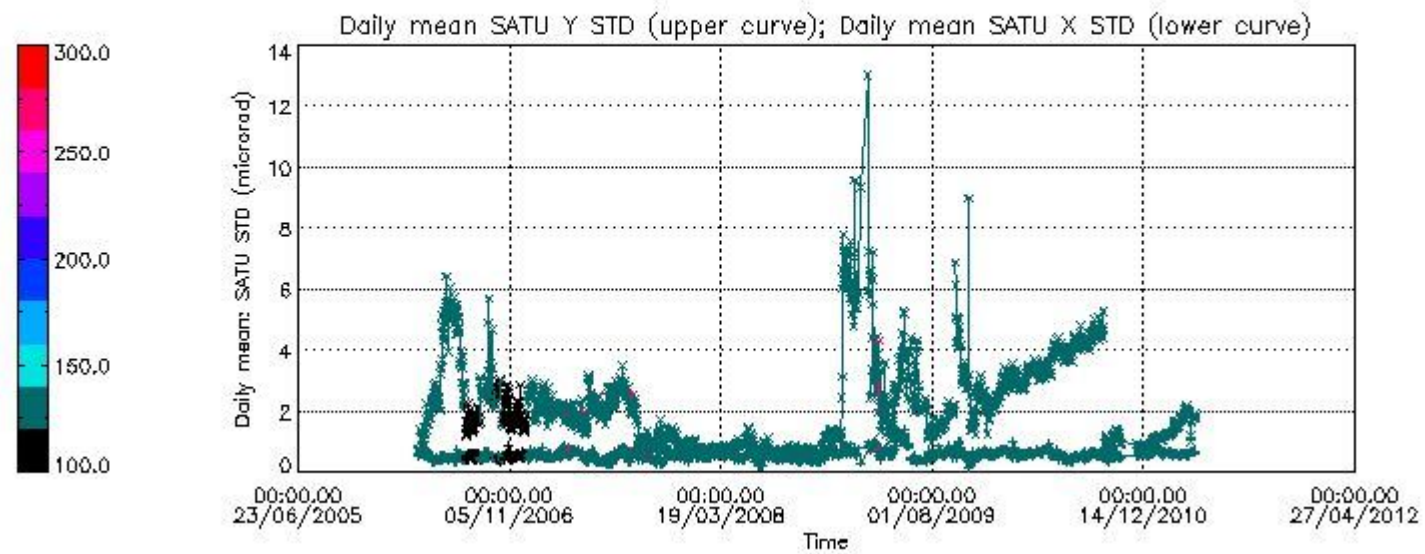
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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



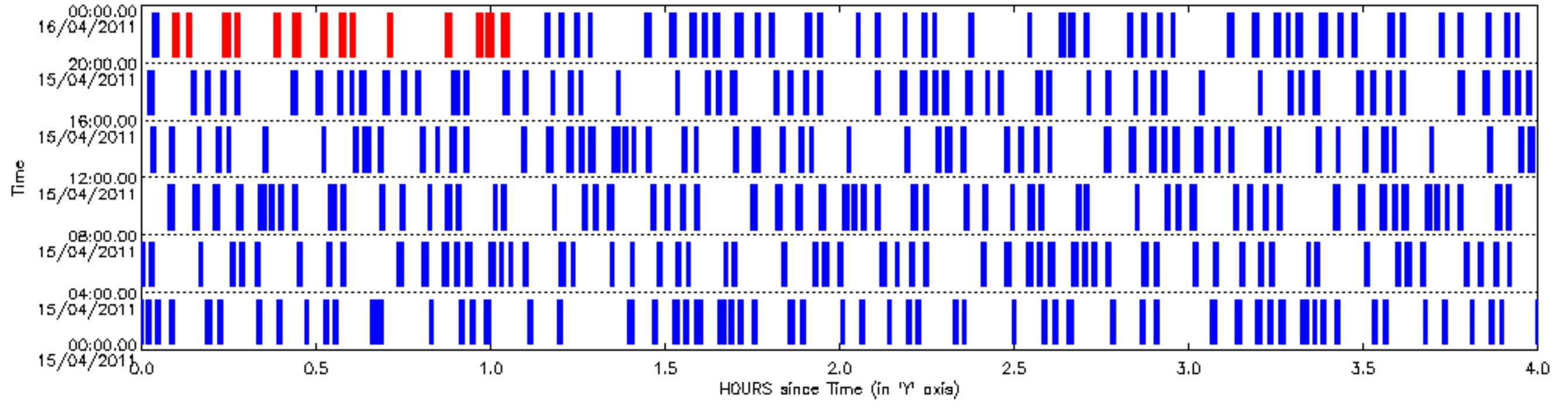
### 8. Auxiliary Data Files used for the production reported in section 2.4

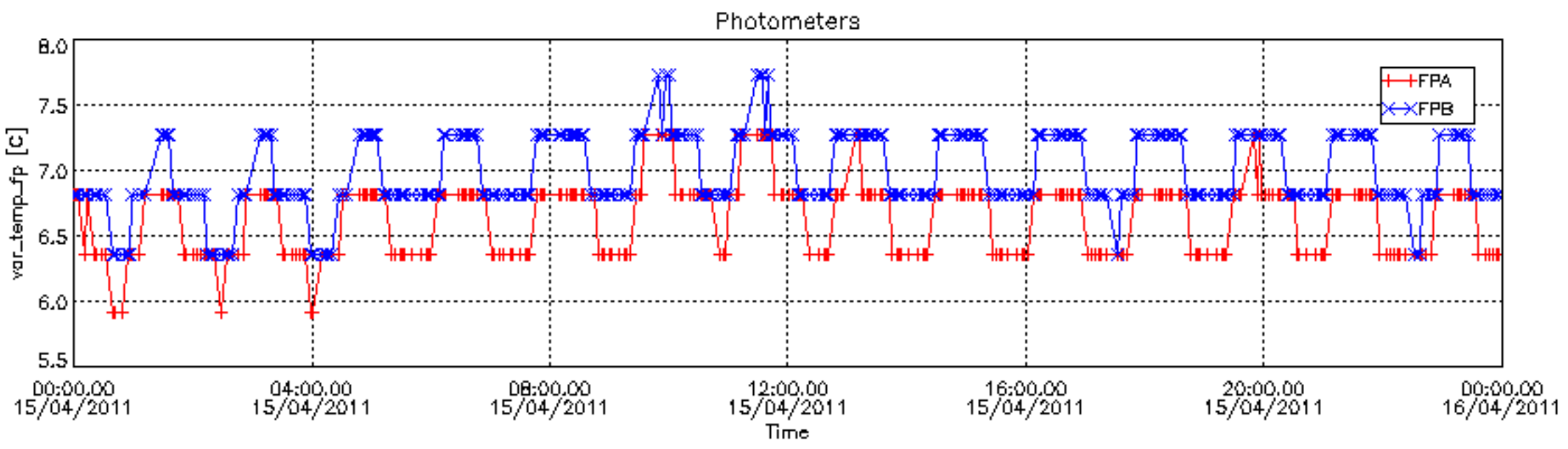
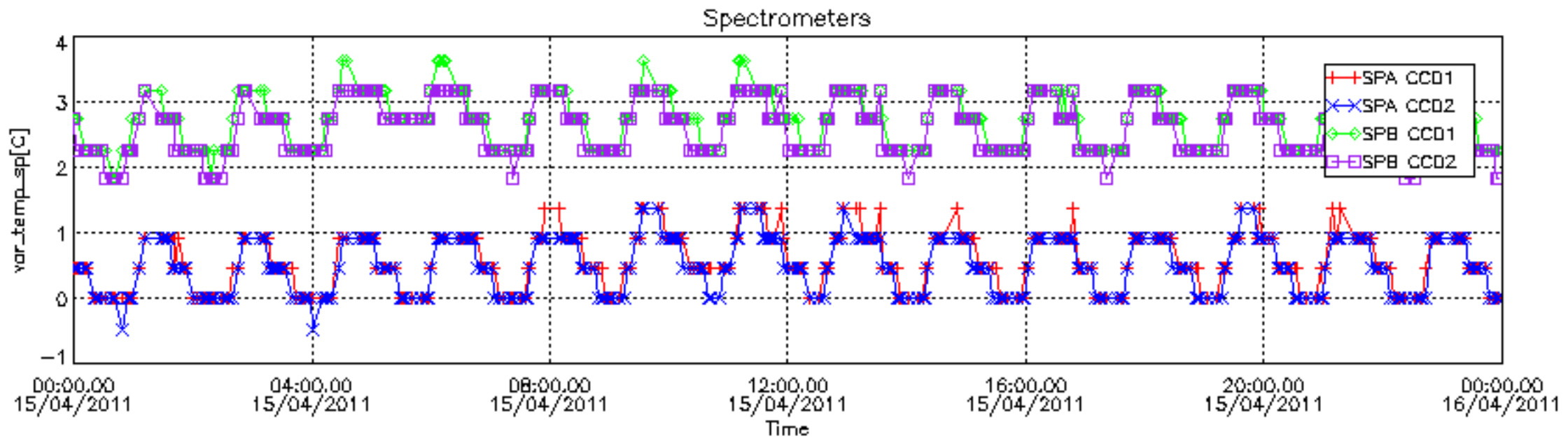
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	15-APR-2011 00:00:44
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110407_084842_20110406_000000_20500101_000000	1	15-APR-2011 00:00:44
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110415_083326_20110414_000000_20500101_000000	125	15-APR-2011 08:34:12
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	15-APR-2011 00:00:44
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	15-APR-2011 00:00:44
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	15-APR-2011 00:00:44
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ECMWF_FILE	AUX_ECF_AXNECM20110414_182121_20110415_030000_20110415_150000	60	15-APR-2011 04:09:48
ECMWF_FILE	AUX_ECA_AXNECM20110415_062113_20110414_210000_20110415_090000	84	15-APR-2011 05:50:02
ECMWF_FILE	AUX_ECF_AXNECM20110414_182121_20110415_030000_20110415_150000	125	15-APR-2011 08:34:12
ECMWF_FILE	AUX_ECF_AXNECM20110415_062114_20110415_090000_20110415_210000	150	15-APR-2011 10:21:14
ECMWF_FILE	AUX_ECF_AXNECM20110415_062114_20110415_150000_20110416_030000	220	15-APR-2011 15:13:03
ECMWF_FILE	AUX_ECA_AXNECM20110415_182115_20110415_090000_20110415_210000	265	15-APR-2011 18:27:19
ECMWF_FILE	MISSING	287	15-APR-2011 20:05:12
ECMWF_FILE	AUX_ECF_AXNECM20110415_062115_20110415_210000_20110416_090000	301	15-APR-2011 21:09:09
OPTIONAL_ECMWF_FILE	MISSING	1	15-APR-2011 00:00:44
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ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110414_102113_20110413_192103_20110423_213452	19	15-APR-2011 01:27:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110415_040223_000057383101_00277_47705_2913.N1	60	15-APR-2011 04:09:48
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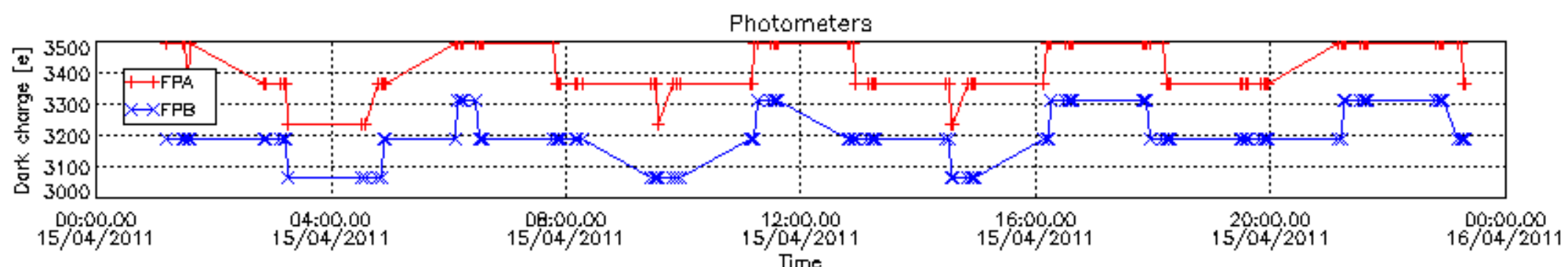
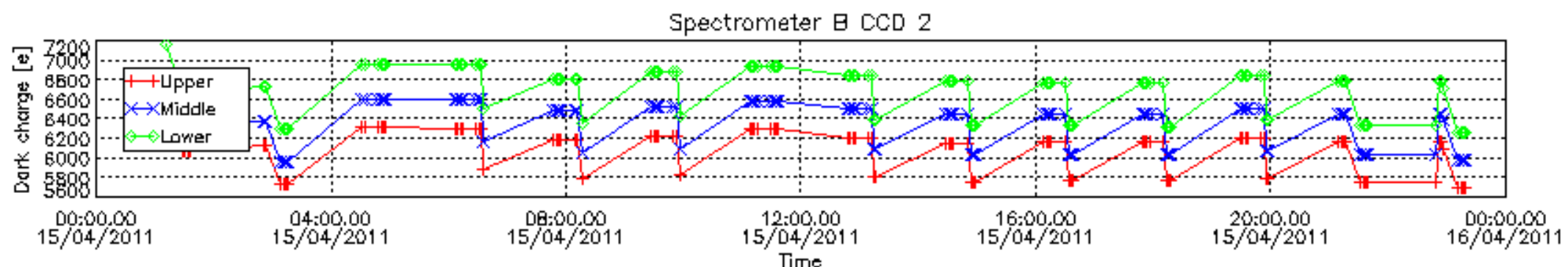
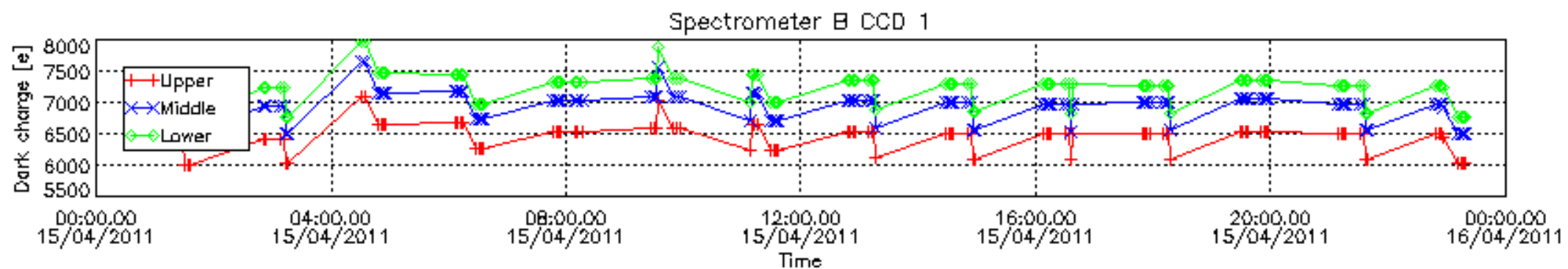
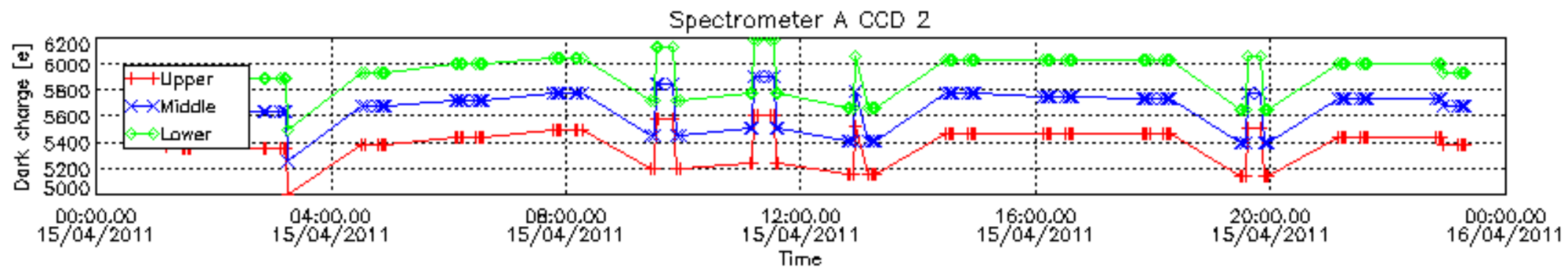
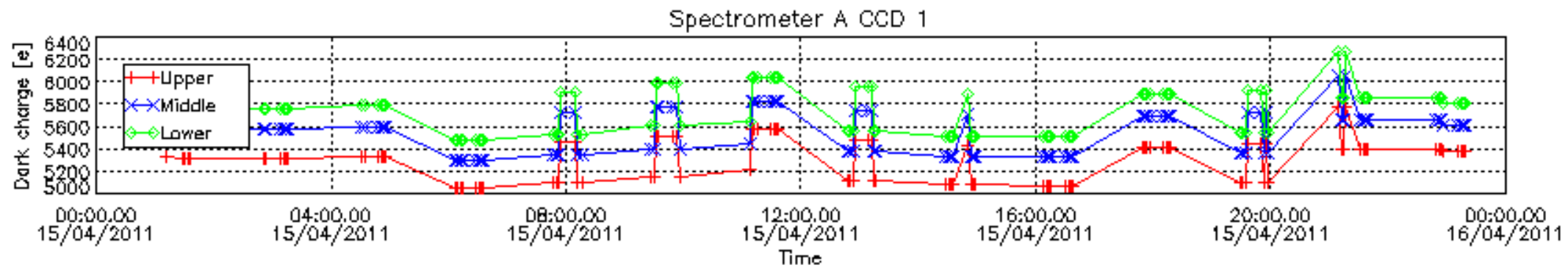


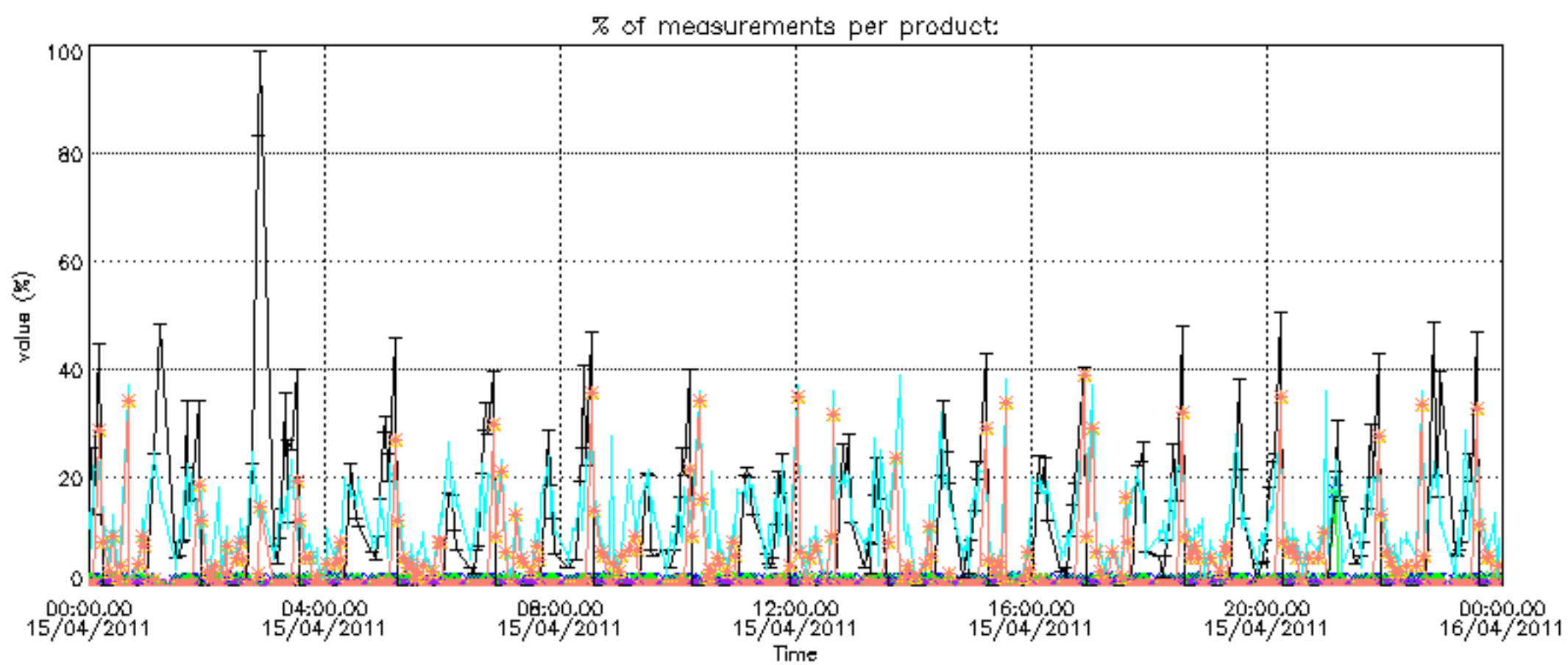
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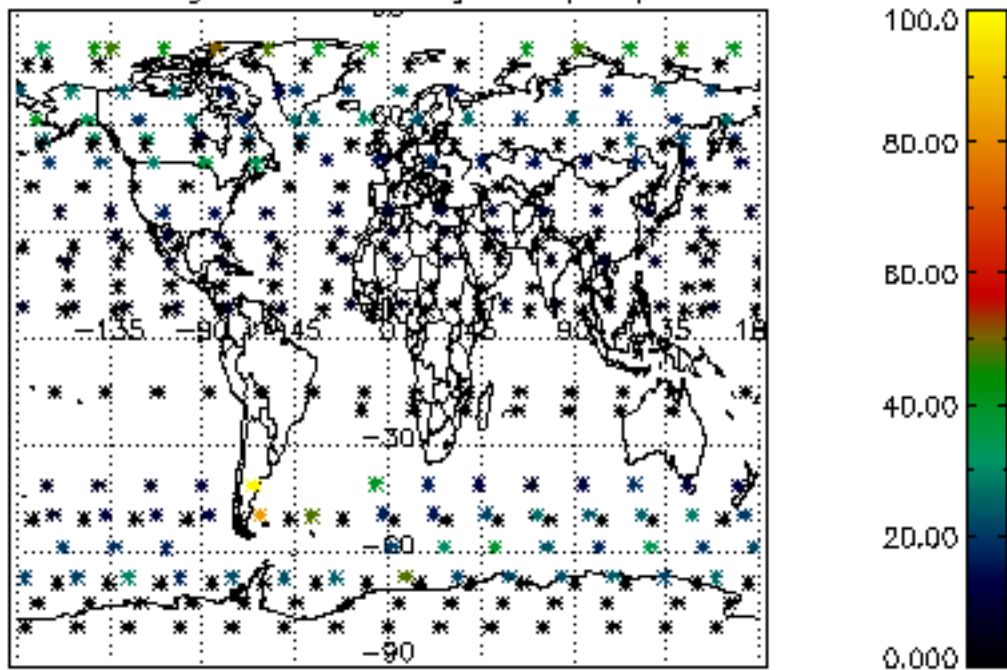




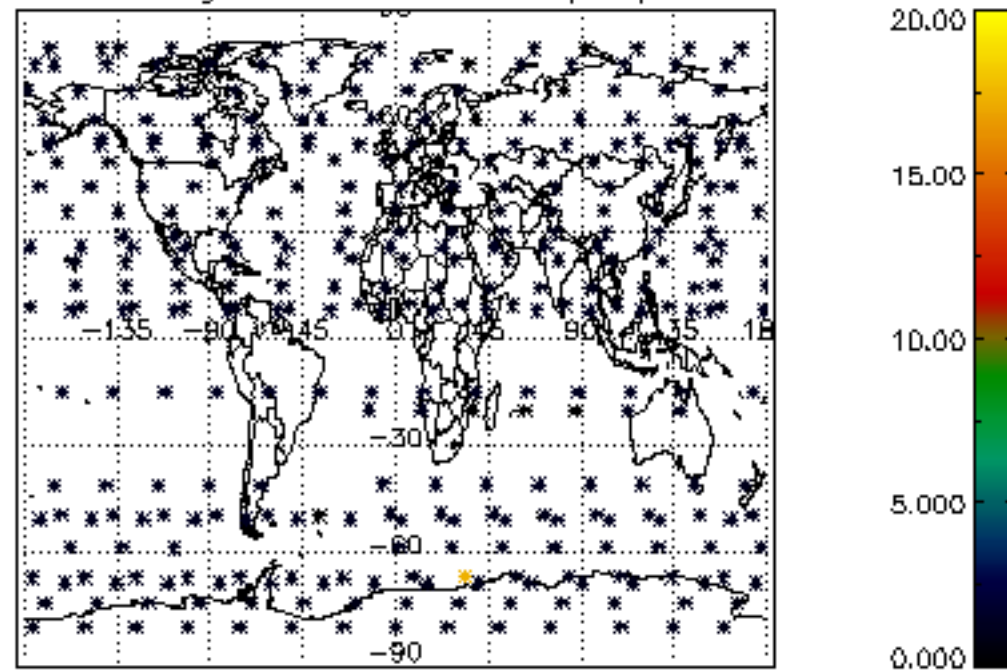




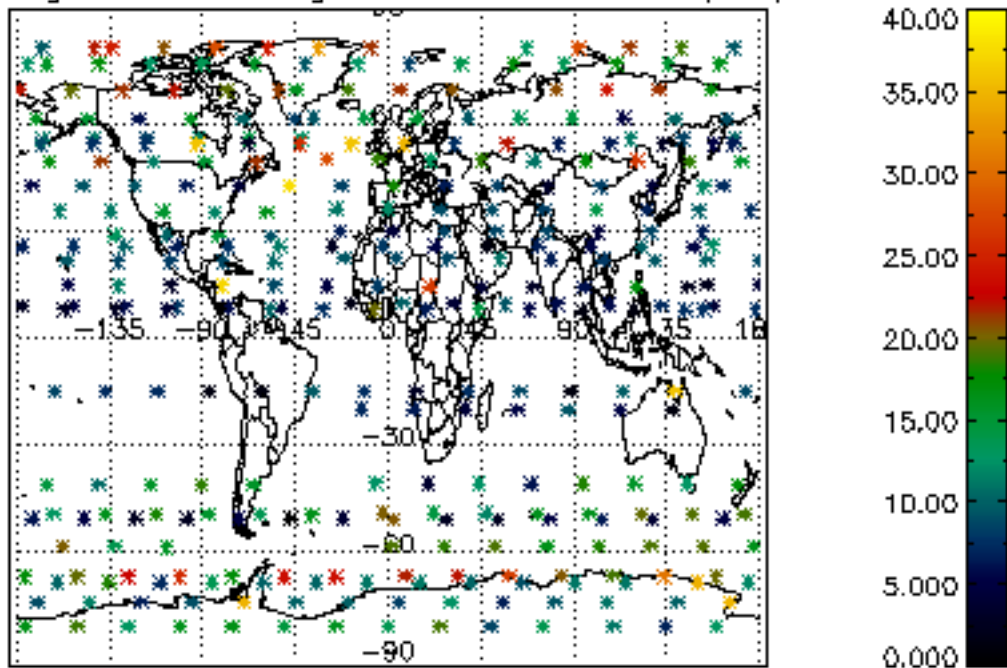
Percentage of cosmic ray hits per profile



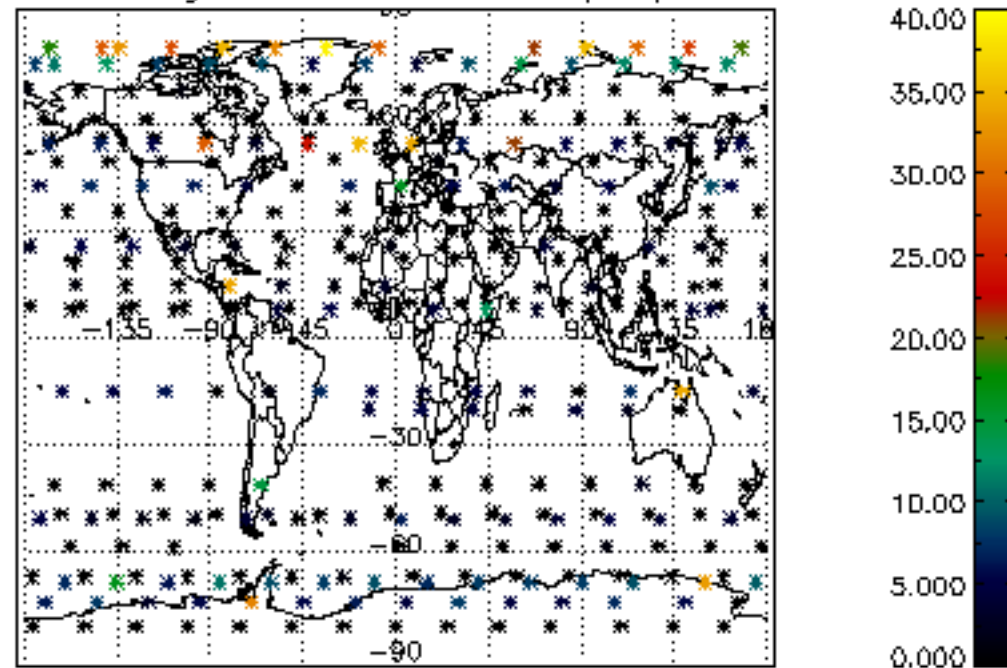
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

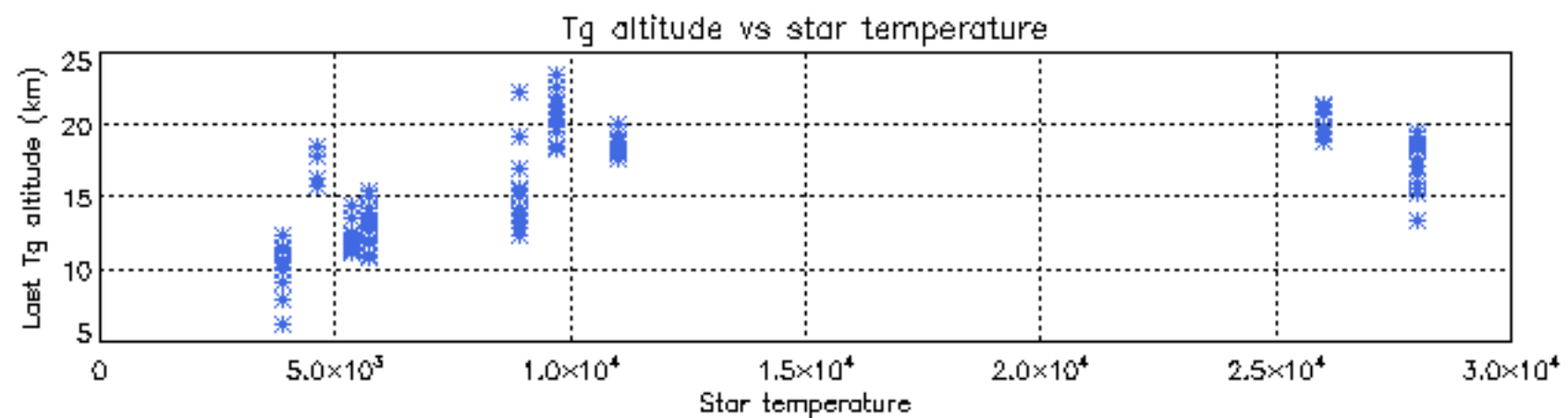
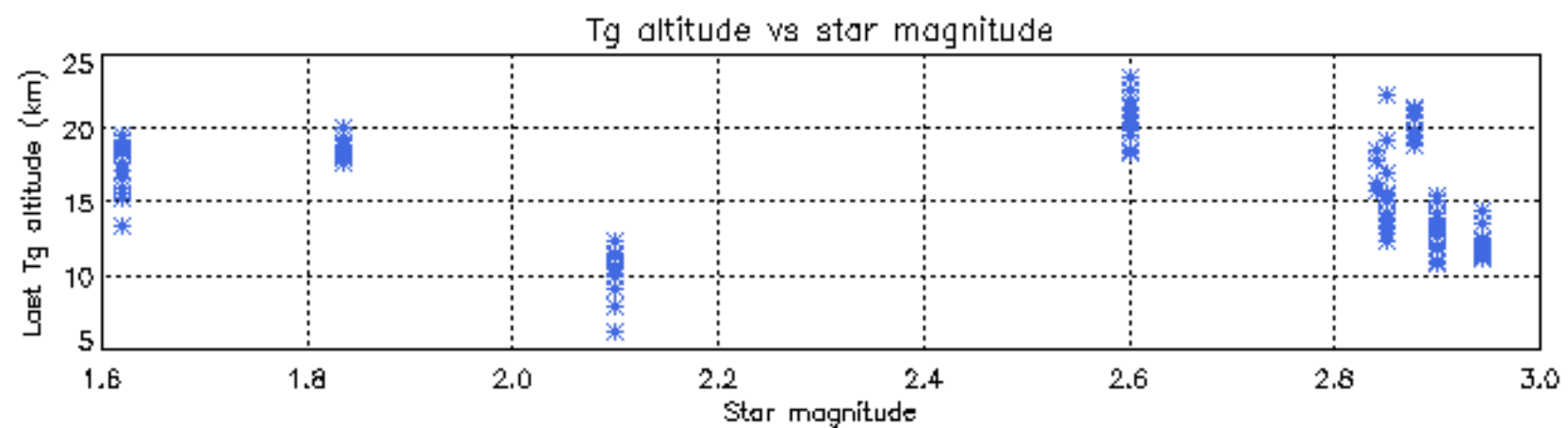
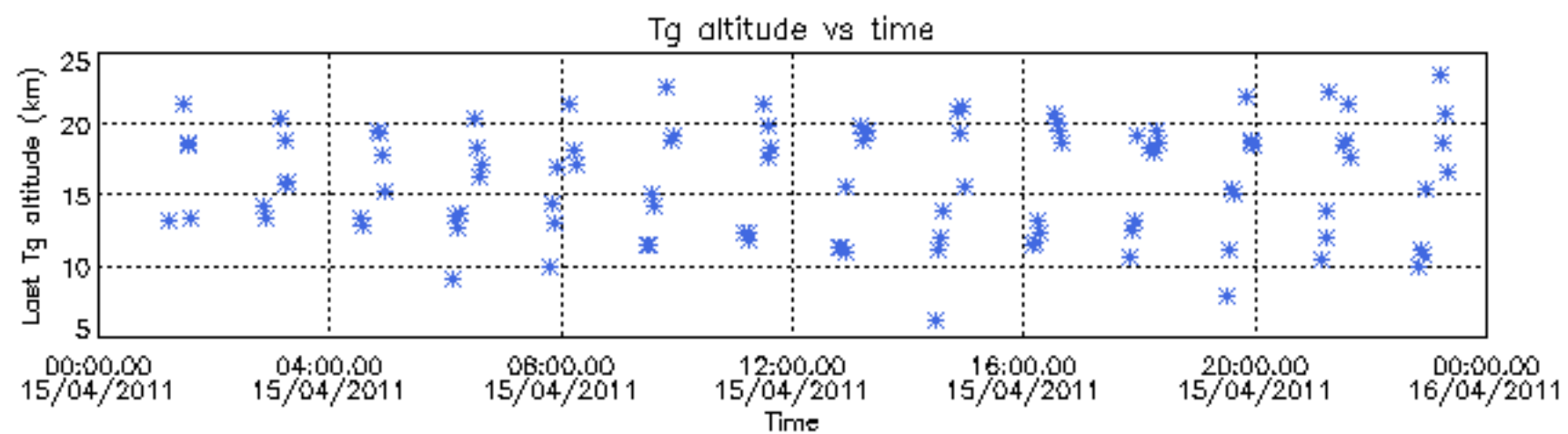


Percentage of saturation errors per profile

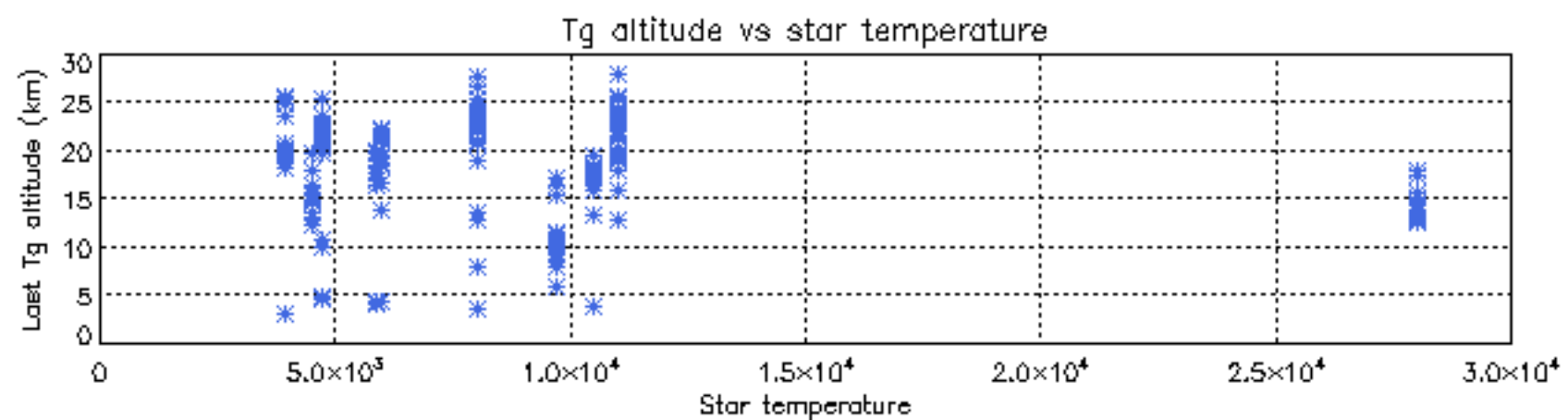
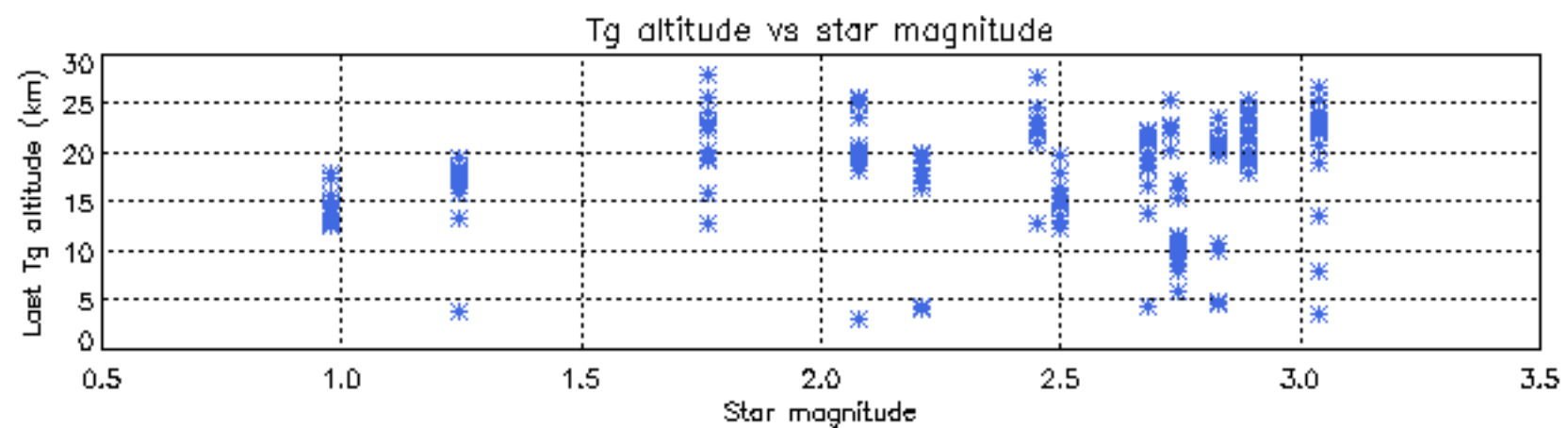
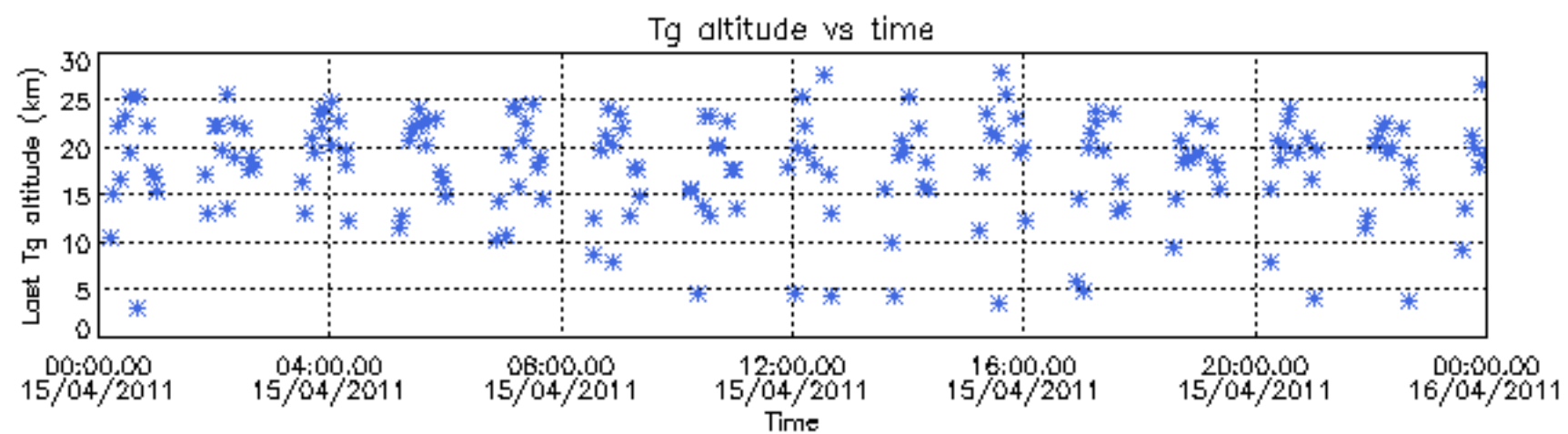




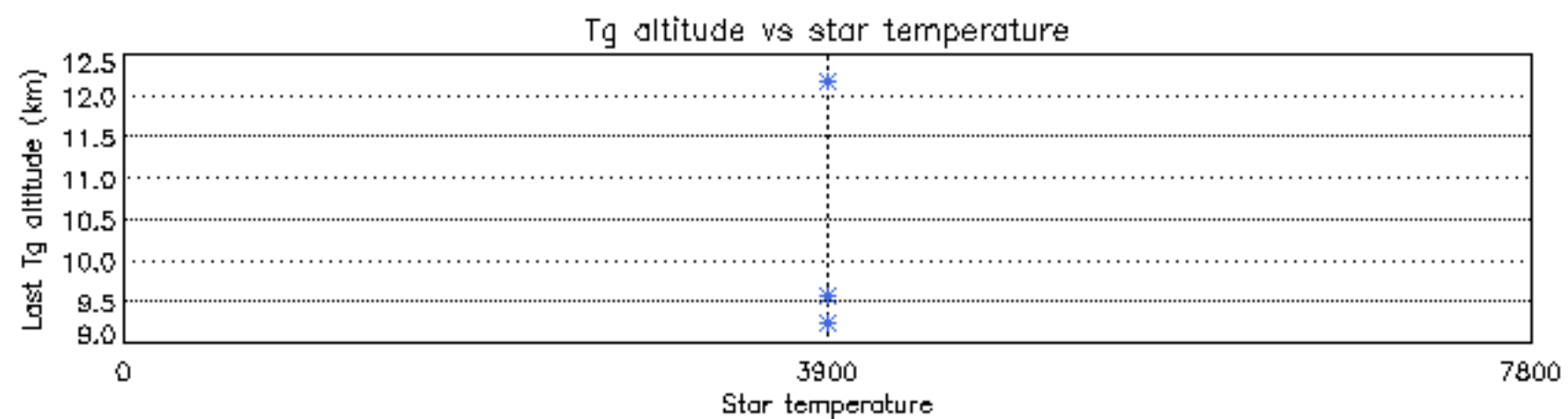
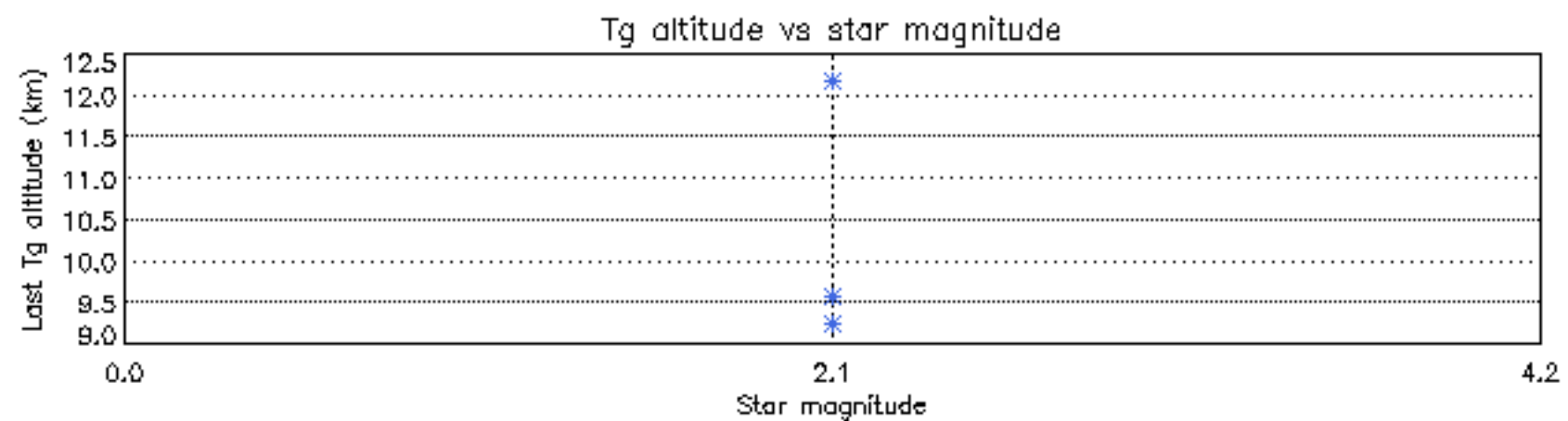
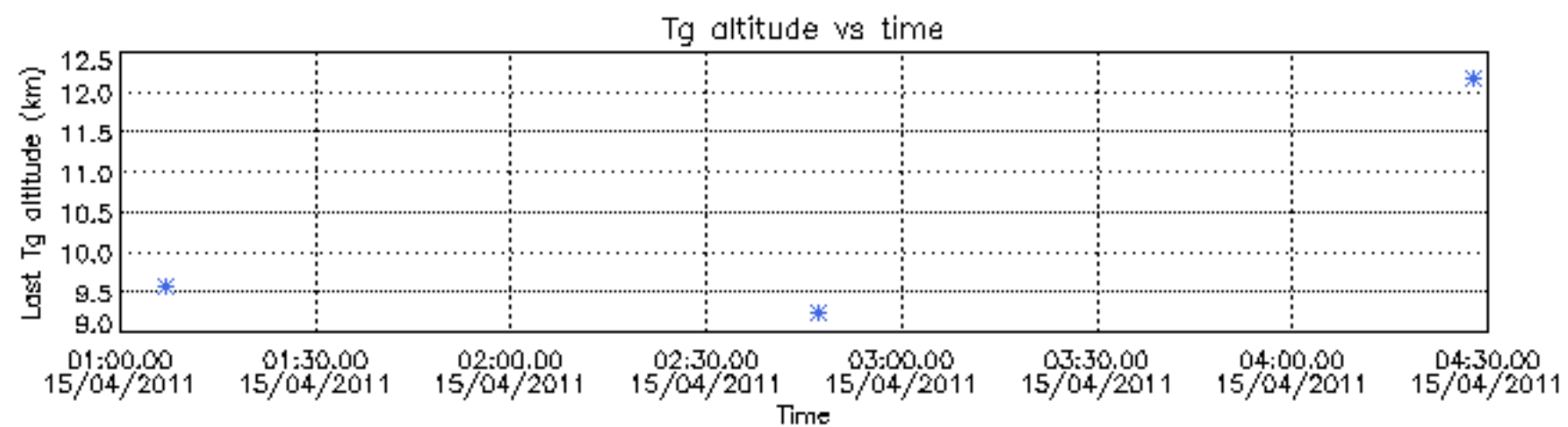
Tangent altitude at which the star is lost

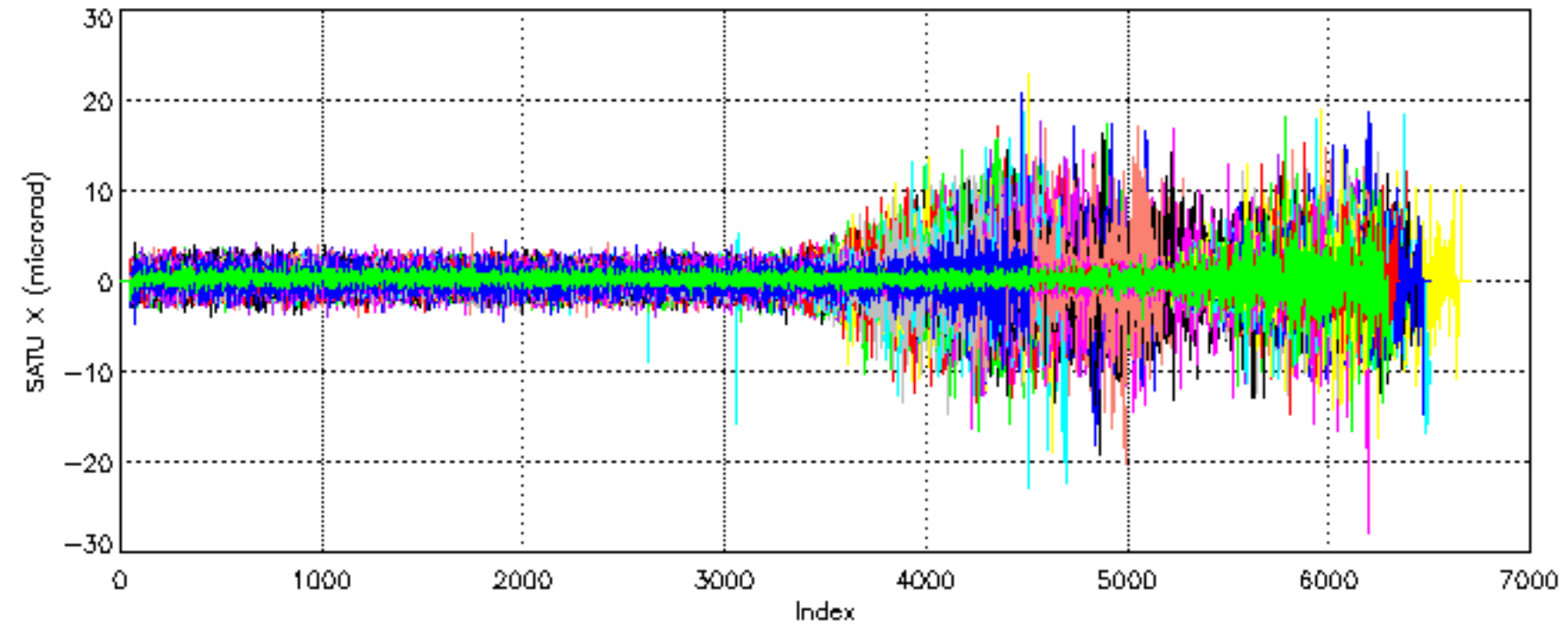


Tangent altitude at which the star is lost

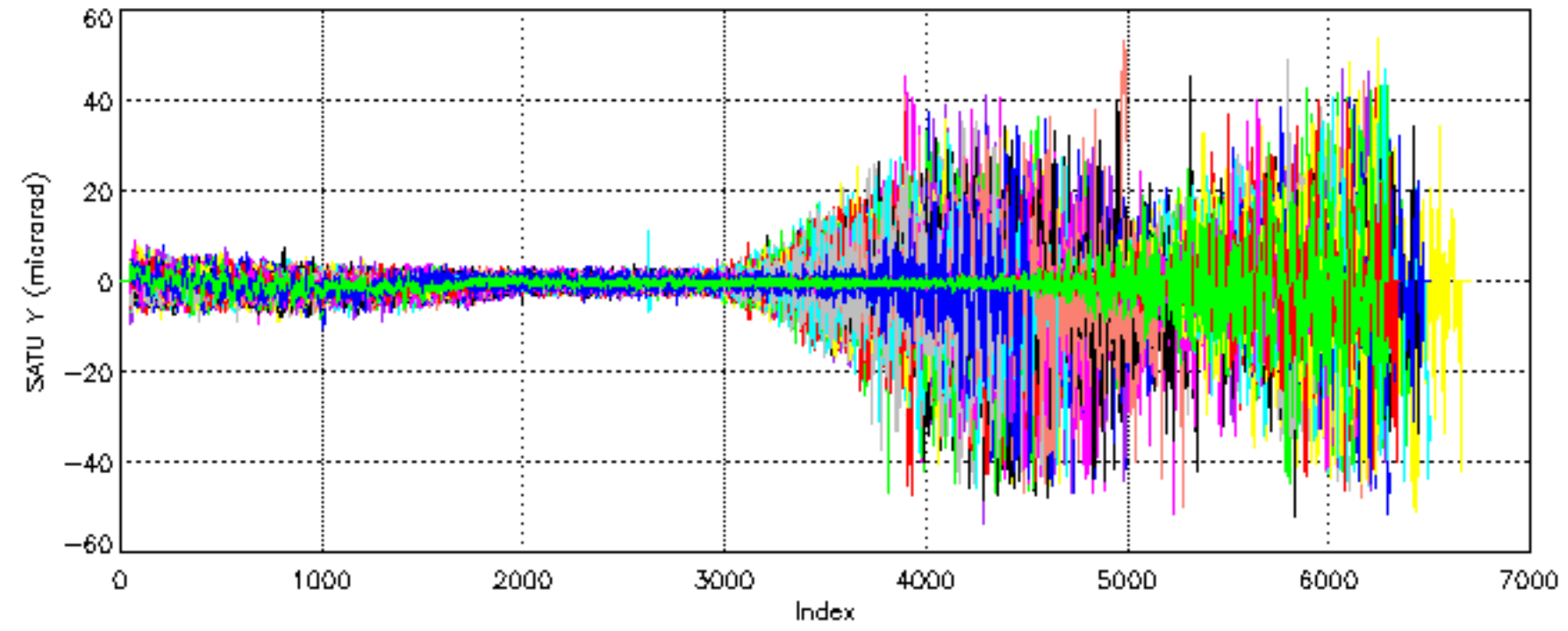


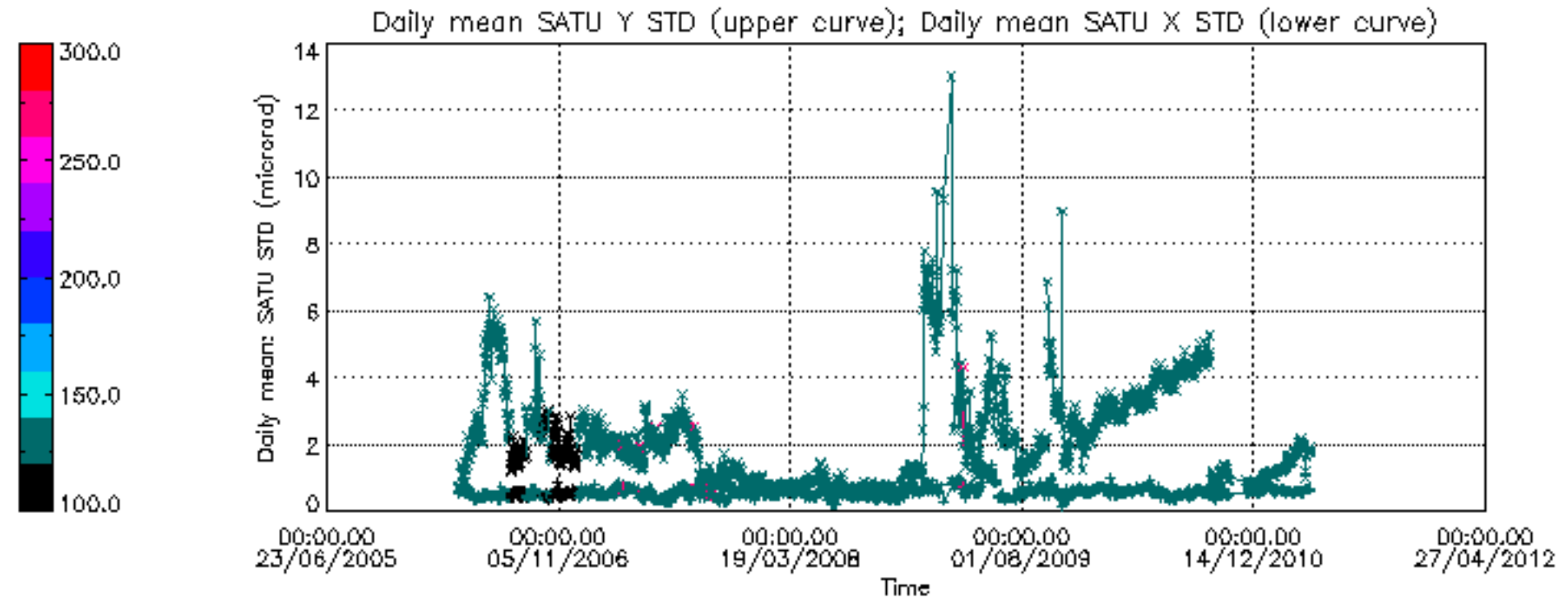
Tangent altitude at which the star is lost











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 18; 6169.8; 15-APR-2011 14:49:43; Dark ; 62.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 124; 0;47712  
 19; 6382.4; 15-APR-2011 14:53:15; Dark ; 62.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 125; 0;47712  
 20; 6512.2; 15-APR-2011 14:55:25; Dark ; 45.0; 147; Alp Ara ; 2.88; 26000;occ; 90; 0;47712  
 21; 6616.2; 15-APR-2011 14:57:09; Dark ; 64.5; 25; 35Lam Sco ; 1.62; 28000;occ; 129; 0;47712  
 22; 6850.7; 15-APR-2011 15:01:04; Dark ; 69.5; 75; 26Eps Sco ; 2.29; 4250;occ; 139; 0;47712  
 23; 7056.2; 15-APR-2011 15:04:29; Dark ; 45.5; 81; Eta Cen ; 2.36; 28000;occ; 91; 0;47712  
 24; 7197.4; 15-APR-2011 15:06:50; Dark ; 48.0; 54; 5The Cen ; 2.06; 4500;occ; 96; 0;47712

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2;	1681.2;	15-APR-2011	15:15:08;	Bright;	;	42.0;	15;	67Alp Vir	;	0.98;	28000;occ;	84;	0;	47712
3;	2088.4;	15-APR-2011	15:21:55;	Bright;	;	38.0;	138;	47Eps Vir	;	2.83;	4700;occ;	76;	0;	47712
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5;	2572.6;	15-APR-2011	15:29:59;	Bright;	;	39.0;	152;	12Alp2CVn	;	2.89;	11000;occ;	78;	0;	47712
6;	2758.7;	15-APR-2011	15:33:06;	Bright;	;	74.0;	180;	27Gam Boo	;	3.04;	8000;occ;	148;	0;	47712
7;	2870.9;	15-APR-2011	15:34:58;	Bright;	;	35.0;	32;	77Eps UMa	;	1.76;	11000;occ;	70;	0;	47712
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9;	3858.1;	15-APR-2011	15:51:25;	Bright;	;	38.5;	89;	5Alp Cep	;	2.45;	8000;occ;	77;	0;	47712
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11;	4278.3;	15-APR-2011	15:58:25;	Bright;	;	53.0;	66;	37Gam Cyg	;	2.21;	5900;occ;	106;	0;	47712
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13;	4879.3;	15-APR-2011	16:08:26;	Dark	;	50.0;	61;	8Eps Peg	;	2.10;	3900;occ;	100;	0;	47712
14;	5027.0;	15-APR-2011	16:10:54;	Dark	;	46.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	93;	0;	47712
15;	5185.0;	15-APR-2011	16:13:32;	Dark	;	49.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	98;	0;	47712
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17;	5915.5;	15-APR-2011	16:25:42;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	47712
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21;	6617.6;	15-APR-2011	16:37:24;	Dark	;	61.0;	25;	35Lam Sco	;	1.62;	28000;occ;	122;	0;	47713
22;	6851.9;	15-APR-2011	16:41:19;	Dark	;	64.5;	75;	26Eps Sco	;	2.29;	4250;occ;	129;	0;	47713
23;	7056.5;	15-APR-2011	16:44:43;	Dark	;	45.0;	81;	Eta Cen	;	2.36;	28000;occ;	90;	0;	47713
24;	7197.5;	15-APR-2011	16:47:04;	Dark	;	47.5;	54;	5The Cen	;	2.06;	4500;occ;	95;	0;	47713
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6;	2572.2;	15-APR-2011	17:10:13;	Bright;	;	39.0;	152;	12Alp2CVn	;	2.89;	11000;occ;	78;	0;	47713
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11;	4171.6;	15-APR-2011	17:36:53;	Bright;	;	54.5;	19;	50Alp Cyg	;	1.25;	10500;occ;	109;	0;	47713
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13;	4432.2;	15-APR-2011	17:41:13;	Bright;	;	57.0;	92;	53Eps Cyg	;	2.50;	4500;occ;	114;	0;	47713
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 3; 237.9; 19-APR-2011 00:42:31; Dark ; 64.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 128; 0;47761  
 4; 442.2; 19-APR-2011 00:45:55; Dark ; 64.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 128; 0;47761  
 5; 566.9; 19-APR-2011 00:48:00; Dark ; 59.5; 178; Iot1Sco ; 3.02; 6550;occ; 119; 0;47761  
 6; 663.3; 19-APR-2011 00:49:36; Dark ; 64.5; 25; 35Lam Sco ; 1.62; 28000;occ; 129; 0;47761  
 7; 888.7; 19-APR-2011 00:53:21; Dark ; 68.0; 75; 26Eps Sco ; 2.29; 4250;occ; 136; 0;47761  
 8; 1010.0; 19-APR-2011 00:55:23; Dark ; 44.5; 109; Bet Lup ; 2.68; 26000;occ; 89; 0;47761  
 9; 1232.9; 19-APR-2011 00:59:06; Dark ; 65.0; 158; 6Pi Sco ; 2.91; 28000;occ; 130; 0;47761  
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 11; 2265.4; 19-APR-2011 01:16:18; Bright; 45.0; 111; 8Eta Boo ; 2.68; 6000;occ; 90; 0;47761  
 12; 2556.7; 19-APR-2011 01:21:09; Bright; 56.0; 83; ; 2.38; 11000;occ; 112; 0;47761  
 13; 2718.4; 19-APR-2011 01:23:51; Bright; 47.5; 180; 27Gam Boo ; 3.04; 8000;occ; 95; 0;47761  
 14; 2869.0; 19-APR-2011 01:26:22; Bright; 39.0; 55; 79Zet UMA ; 2.06; 10200;occ; 78; 0;47761  
 15; 3243.1; 19-APR-2011 01:32:36; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;47761  
 16; 3848.8; 19-APR-2011 01:42:41; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;47761  
 17; 4103.4; 19-APR-2011 01:46:56; Bright; 39.0; 144; 18Del Cyg ; 2.86; 11000;occ; 78; 0;47761  
 18; 4271.1; 19-APR-2011 01:49:44; Bright; 59.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 118; 0;47761  
 19; 4435.6; 19-APR-2011 01:52:28; Dark ; 62.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 125; 0;47761  
 20; 4901.9; 19-APR-2011 02:00:15; Dark ; 54.5; 61; 8Eps Peg ; 2.10; 3900;occ; 109; 0;47761  
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 3; 239.6; 19-APR-2011 02:22:46; Dark ; 65.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 130; 0;47762  
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 5; 568.2; 19-APR-2011 02:28:15; Dark ; 55.0; 178; Iot1Sco ; 3.02; 6550;occ; 110; 0;47762  
 6; 664.6; 19-APR-2011 02:29:51; Dark ; 61.5; 25; 35Lam Sco ; 1.62; 28000;occ; 123; 0;47762  
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 8; 1010.4; 19-APR-2011 02:35:37; Dark ; 44.5; 109; Bet Lup ; 2.68; 26000;occ; 89; 0;47762  
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 14; 2868.7; 19-APR-2011 03:06:35; Bright; 39.0; 55; 79Zet UMA ; 2.06; 10200;occ; 78; 0;47762  
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 22; 2868.6; 19-APR-2011 04:46:49; Bright; 38.0; 55; 79Zet UMA ; 2.06; 10200;occ; 76; 0;47763  
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4; 2868.0; 19-APR-2011 08:07:17; Bright; 38.5; 55; 79Zet UMa ; 2.06; 10200;occ; 77; 0;47765
5; 3297.6; 19-APR-2011 08:14:26; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;47765
6; 3848.1; 19-APR-2011 08:23:37; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;47765
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5; 3296.6; 19-APR-2011 09:54:39; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;47766
6; 3847.8; 19-APR-2011 10:03:51; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;47766
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4; -1061.8; 25-APR-2011 06:41:50; Dark ; 61.0; 61; 8Eps Peg ; 2.10; 3900;occ; 122; 0;47850
5; -914.0; 25-APR-2011 06:44:18; Dark ; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;47850
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13; 1363.4; 25-APR-2011 07:22:16; Dark ; 68.5; 80; 7Del Sco ; 2.32; 30000;occ; 137; 0;47851
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