

# GOMOS Daily Report 13-APR-2011

## Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM\_TRA\_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	16APR2011 07:06:21
Data source version	GOMOS/5.01
Start time of products	13APR2011 00:01:19
Stop time of products	13APR2011 23:55:21
Store outputs in DB	Yes
Nb of level 1b prods	330
Nb of prods with errors	3

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

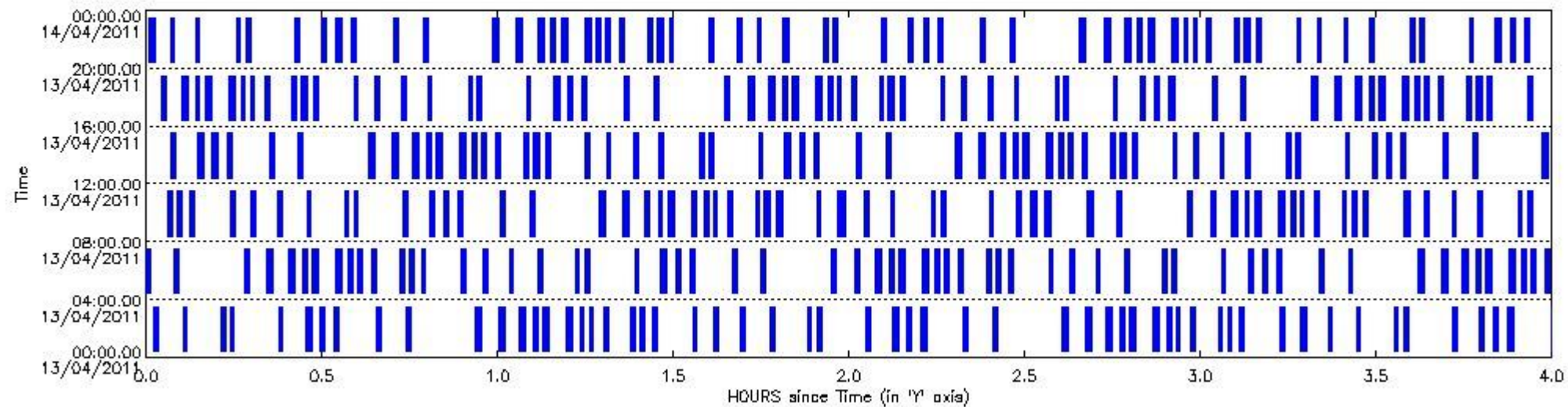
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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)

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_1PNPDE20110413_000119_000000453101_00246_47674_4890.N1	13-APR-2011 00:01:19	Bright	45.000	152	12Alp2CVn	2.8900	11000.	90	47674	No
2	GOM_TRA_1PNPDE20110413_000615_000000393101_00246_47674_4891.N1	13-APR-2011 00:06:15	Bright	38.500	32	77Eps UMa	1.7630	11000.	77	47674	No
3	GOM_TRA_1PNPDE20110413_001240_000000573101_00246_47674_4892.N1	13-APR-2011 00:12:40	Bright	57.000	60	7Bet UMi	2.0810	3950.0	114	47674	No
4	GOM_TRA_1PNPDE20110413_001417_000000443101_00246_47674_4893.N1	13-APR-2011 00:14:17	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	47674	No
5	GOM_TRA_1PNPDE20110413_002239_000000393101_00246_47674_4894.N1	13-APR-2011 00:22:39	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47674	No
6	GOM_TRA_1PNPDE20110413_002712_000000593101_00246_47674_4895.N1	13-APR-2011 00:27:12	Bright	59.000	144	18Del Cyg	2.8600	11000.	118	47674	No
7	GOM_TRA_1PNPDE20110413_002937_000000523101_00246_47674_4896.N1	13-APR-2011 00:29:37	Bright	51.500	66	37Gam Cyg	2.2080	5900.0	103	47674	No
8	GOM_TRA_1PNPDE20110413_003204_000000543101_00246_47674_4897.N1	13-APR-2011 00:32:04	Bright	53.500	92	53Eps Cyg	2.5000	4500.0	107	47674	No
9	GOM_TRA_1PNPDE20110413_003918_000000513101_00246_47674_4898.N1	13-APR-2011 00:39:18	Twilight	50.500	61	8Eps Peg	2.1000	3900.0	101	47674	No
10	GOM_TRA_1PNPDE20110413_004417_000000493101_00246_47674_4899.N1	13-APR-2011 00:44:17	Dark	48.500	154	22Bet Aqr	2.8990	5700.0	97	47674	No
11	GOM_TRA_1PNPDE20110413_010006_000000623101_00247_47675_4887.N1	13-APR-2011 01:00:06	Dark	61.500	103	38Zet Sgr	2.6000	9700.0	123	47675	No
12	GOM_TRA_1PNPDE20110413_010343_000000613101_00247_47675_4888.N1	13-APR-2011 01:03:43	Dark	60.500	38	20Eps Sgr	1.8360	11000.	121	47675	No

13	GOM_TRA_1PNPDE20110413_010607_000000443101_00247_47675_4889.N1	13-APR-2011 01:06:07	Dark	44.000	141	Bet Ara	2.8400	4600.0	88	47675	No
14	GOM_TRA_1PNPDE20110413_010744_000000623101_00247_47675_4890.N1	13-APR-2011 01:07:44	Dark	61.500	25	35Lam Sco	1.6200	28000.	123	47675	No
15	GOM_TRA_1PNPDE20110413_011144_000000603101_00247_47675_4891.N1	13-APR-2011 01:11:44	Straylight	60.000	75	26Eps Sco	2.2910	4250.0	120	47675	No
16	GOM_TRA_1PNPDE20110413_011359_000000443101_00247_47675_4892.N1	13-APR-2011 01:13:59	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	47675	No
17	GOM_TRA_1PNPDE20110413_011534_000000473101_00247_47675_4893.N1	13-APR-2011 01:15:34	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	47675	No
18	GOM_TRA_1PNPDE20110413_011759_000000513101_00247_47675_4894.N1	13-APR-2011 01:17:59	Straylight	50.500	54	5The Cen	2.0550	4500.0	101	47675	No
19	GOM_TRA_1PNPDE20110413_012246_000000473101_00247_47675_4895.N1	13-APR-2011 01:22:46	Twl_and_stray	46.500	169	46Gam Hya	2.9910	4700.0	93	47675	No
20	GOM_TRA_1PNPDE20110413_012422_000000423101_00247_47675_4896.N1	13-APR-2011 01:24:22	Bright	42.000	122	9Alp2Lib	2.7470	9700.0	84	47675	No
21	GOM_TRA_1PNPDE20110413_012628_000000483101_00247_47675_4897.N1	13-APR-2011 01:26:28	Bright	47.500	15	67Alp Vir	0.97600	28000.	95	47675	No
22	GOM_TRA_1PNPDE20110413_013323_000000403101_00247_47675_4898.N1	13-APR-2011 01:33:23	Bright	40.000	138	47Eps Vir	2.8280	4700.0	80	47675	No
23	GOM_TRA_1PNPDE20110413_013657_000000473101_00247_47675_4899.N1	13-APR-2011 01:36:57	Bright	47.000	111	8Eta Boo	2.6800	6000.0	94	47675	No
24	GOM_TRA_1PNPDE20110413_014132_000000403101_00247_47675_4900.N1	13-APR-2011 01:41:32	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	47675	No
25	GOM_TRA_1PNPDE20110413_014629_000000563101_00247_47675_4901.N1	13-APR-2011 01:46:29	Bright	56.000	32	77Eps UMa	1.7630	11000.	112	47675	No
26	GOM_TRA_1PNPDE20110413_015253_000000383101_00247_47675_4902.N1	13-APR-2011 01:52:53	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	47675	No
27	GOM_TRA_1PNPDE20110413_015430_000000453101_00247_47675_4903.N1	13-APR-2011 01:54:30	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	47675	No
28	GOM_TRA_1PNPDE20110413_020253_000000403101_00247_47675_4904.N1	13-APR-2011 02:02:53	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	47675	No
29	GOM_TRA_1PNPDE20110413_020725_000000623101_00247_47675_4905.N1	13-APR-2011 02:07:25	Bright	61.500	144	18Del Cyg	2.8600	11000.	123	47675	No
30	GOM_TRA_1PNPDE20110413_020951_000000533101_00247_47675_4906.N1	13-APR-2011 02:09:51	Bright	53.000	66	37Gam Cyg	2.2080	5900.0	106	47675	No
31	GOM_TRA_1PNPDE20110413_021218_000000533101_00247_47675_4907.N1	13-APR-2011 02:12:18	Bright	53.000	92	53Eps Cyg	2.5000	4500.0	106	47675	No
32	GOM_TRA_1PNPDE20110413_021932_000000503101_00247_47675_4908.N1	13-APR-2011 02:19:32	Twilight	49.500	61	8Eps Peg	2.1000	3900.0	99	47675	No
33	GOM_TRA_1PNPDE20110413_022431_000000483101_00247_47675_4923.N1	13-APR-2011 02:24:31	Dark	47.500	154	22Bet Aqr	2.8990	5700.0	95	47675	No
34	GOM_TRA_1PNPDE20110413_024022_000000603101_00248_47676_4924.N1	13-APR-2011 02:40:22	Dark	59.500	103	38Zet Sgr	2.6000	9700.0	119	47676	No
35	GOM_TRA_1PNPDE20110413_024358_000000613101_00248_47676_4925.N1	13-APR-2011 02:43:58	Dark	61.000	38	20Eps Sgr	1.8360	11000.	122	47676	No
36	GOM_TRA_1PNPDE20110413_024622_000000463101_00248_47676_4926.N1	13-APR-2011 02:46:22	Dark	45.500	141	Bet Ara	2.8400	4600.0	91	47676	No
37	GOM_TRA_1PNPDE20110413_024759_000000603101_00248_47676_4927.N1	13-APR-2011 02:47:59	Dark	59.500	25	35Lam Sco	1.6200	28000.	119	47676	No
38	GOM_TRA_1PNPDE20110413_025159_000000613101_00248_47676_4928.N1	13-APR-2011 02:51:59	Straylight	61.000	75	26Eps Sco	2.2910	4250.0	122	47676	No
39	GOM_TRA_1PNPDE20110413_025413_000000453101_00248_47676_4929.N1	13-APR-2011 02:54:13	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	47676	No
40	GOM_TRA_1PNPDE20110413_025549_000000443101_00248_47676_4930.N1	13-APR-2011 02:55:49	Straylight	44.000	81	Eta Cen	2.3560	28000.	88	47676	No
41	GOM_TRA_1PNPDE20110413_025813_000000503101_00248_47676_4931.N1	13-APR-2011 02:58:13	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	47676	No
42	GOM_TRA_1PNPDE20110413_030301_000000443101_00248_47676_4932.N1	13-APR-2011 03:03:01	Twl_and_stray	44.000	169	46Gam Hya	2.9910	4700.0	88	47676	No
43	GOM_TRA_1PNPDE20110413_030436_000000473101_00248_47676_4933.N1	13-APR-2011 03:04:36	Bright	47.000	122	9Alp2Lib	2.7470	9700.0	94	47676	No
44	GOM_TRA_1PNPDE20110413_030642_000000483101_00248_47676_4934.N1	13-APR-2011 03:06:42	Bright	48.000	15	67Alp Vir	0.97600	28000.	96	47676	No
45	GOM_TRA_1PNPDE20110413_031337_000000413101_00248_47676_4935.N1	13-APR-2011 03:13:37	Bright	40.500	138	47Eps Vir	2.8280	4700.0	81	47676	No
46	GOM_TRA_1PNPDE20110413_031711_000000503101_00248_47676_4936.N1	13-APR-2011 03:17:11	Bright	49.500	111	8Eta Boo	2.6800	6000.0	99	47676	No
47	GOM_TRA_1PNPDE20110413_032146_000000383101_00248_47676_4937.N1	13-APR-2011 03:21:46	Bright	37.500	152	12Alp2CVn	2.8900	11000.	75	47676	No
48	GOM_TRA_1PNPDE20110413_032643_000000373101_00248_47676_4938.N1	13-APR-2011 03:26:43	Bright	37.000	32	77Eps UMa	1.7630	11000.	74	47676	No
49	GOM_TRA_1PNPDE20110413_033307_000000403101_00248_47676_4939.N1	13-APR-2011 03:33:07	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47676	No
50	GOM_TRA_1PNPDE20110413_033444_000000483101_00248_47676_4940.N1	13-APR-2011 03:34:44	Bright	48.000	119	14Eta Dra	2.7270	4700.0	96	47676	No
51	GOM_TRA_1PNPDE20110413_034307_000000393101_00248_47676_4948.N1	13-APR-2011 03:43:07	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	47676	No
52	GOM_TRA_1PNPDE20110413_034739_000000533101_00248_47676_4949.N1	13-APR-2011 03:47:39	Bright	52.500	144	18Del Cyg	2.8600	11000.	105	47676	No
53	GOM_TRA_1PNPDE20110413_035005_000000493101_00248_47676_4950.N1	13-APR-2011 03:50:05	Bright	48.500	66	37Gam Cyg	2.2080	5900.0	97	47676	No
54	GOM_TRA_1PNPDE20110413_035232_000000513101_00248_47676_4951.N1	13-APR-2011 03:52:32	Bright	50.500	92	53Eps Cyg	2.5000	4500.0	101	47676	No
55	GOM_TRA_1PNPDE20110413_035947_000000513101_00248_47676_4952.N1	13-APR-2011 03:59:47	Twilight	51.000	61	8Eps Peg	2.1000	3900.0	102	47676	No
56	GOM_TRA_1PNPDE20110413_040446_000000463101_00248_47676_4953.N1	13-APR-2011 04:04:46	Dark	45.500	154	22Bet Aqr	2.8990	5700.0	91	47676	No
57	GOM_TRA_1PNPDE20110413_042037_000000623101_00249_47677_4954.N1	13-APR-2011 04:20:37	Dark	61.500	103	38Zet Sgr	2.6000	9700.0	123	47677	No
58	GOM_TRA_1PNPDE20110413_042413_000000623101_00249_47677_4955.N1	13-APR-2011 04:24:13	Dark	62.000	38	20Eps Sgr	1.8360	11000.	124	47677	No
59	GOM_TRA_1PNPDE20110413_042637_000000543101_00249_47677_4956.N1	13-APR-2011 04:26:37	Dark	54.000	141	Bet Ara	2.8400	4600.0	108	47677	No
60	GOM_TRA_1PNPDE20110413_042814_000000663101_00249_47677_4957.N1	13-APR-2011 04:28:14	Dark	65.500	25	35Lam Sco	1.6200	28000.	131	47677	No
61	GOM_TRA_1PNPDE20110413_043214_000000613101_00249_47677_4958.N1	13-APR-2011 04:32:14	Straylight	61.000	75	26Eps Sco	2.2910	4250.0	122	47677	No
62	GOM_TRA_1PNPDE20110413_043428_000000453101_00249_47677_4959.N1	13-APR-2011 04:34:28	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	47677	No
63	GOM_TRA_1PNPDE20110413_043603_000000483101_00249_47677_4960.N1	13-APR-2011 04:36:03	Straylight	47.500	81	Eta Cen	2.3560	28000.	95	47677	No
64	GOM_TRA_1PNPDE20110413_043828_000000513101_00249_47677_4961.N1	13-APR-2011 04:38:28	Straylight	50.500	54	5The Cen	2.0550	4500.0	101	47677	No
65	GOM_TRA_1PNPDE20110413_044315_000000453101_00249_47677_4962.N1	13-APR-2011 04:43:15	Twl_and_stray	44.500	169	46Gam Hya	2.9910	4700.0	89	47677	No
66	GOM_TRA_1PNPDE20110413_044450_000000473101_00249_47677_4963.N1	13-APR-2011 04:44:50	Bright	47.000	122	9Alp2Lib	2.7470	9700.0	94	47677	No
67	GOM_TRA_1PNPDE20110413_044656_000000463101_00249_47677_4964.N1	13-APR-2011 04:46:56	Bright	46.000	15	67Alp Vir	0.97600	28000.	92	47677	No
68	GOM_TRA_1PNPDE20110413_045351_000000413101_00249_47677_4965.N1	13-APR-2011 04:53:51	Bright	40.500	138	47Eps Vir	2.8280	4700.0	81	47677	No
69	GOM_TRA_1PNPDE20110413_045724_000000493101_00249_47677_4966.N1	13-APR-2011 04:57:24	Bright	49.000	111	8Eta Boo	2.6800	6000.0	98	47677	No
70	GOM_TRA_1PNPDE20110413_050200_000000383101_00249_47677_4967.N1	13-APR-2011 05:02:00	Bright	37.500	152	12Alp2CVn	2.8900	11000.	75	47677	No
71	GOM_TRA_1PNPDE20110413_050656_000000393101_00249_47677_4968.N1	13-APR-2011 05:06:56	Bright	38.500	32	77Eps UMa	1.7630	11000.	77	47677	No



72	GOM_TRA_1PNPDE20110413_051321_000000373101_00249_47677_4969.N1	13-APR-2011 05:13:21	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	47677	No
73	GOM_TRA_1PNPDE20110413_051457_000000473101_00249_47677_4970.N1	13-APR-2011 05:14:57	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	47677	No
74	GOM_TRA_1PNPDE20110413_052321_000000363101_00249_47677_4972.N1	13-APR-2011 05:23:21	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	47677	No
75	GOM_TRA_1PNPDE20110413_052752_000000533101_00249_47677_4973.N1	13-APR-2011 05:27:52	Bright	52.500	144	18Del Cyg	2.8600	11000.	105	47677	No
76	GOM_TRA_1PNPDE20110413_053019_000000523101_00249_47677_4974.N1	13-APR-2011 05:30:19	Bright	51.500	66	37Gam Cyg	2.2080	5900.0	103	47677	No
77	GOM_TRA_1PNPDE20110413_053246_000000543101_00249_47677_4975.N1	13-APR-2011 05:32:46	Bright	53.500	92	53Eps Cyg	2.5000	4500.0	107	47677	No
78	GOM_TRA_1PNPDE20110413_054001_000000513101_00249_47677_4976.N1	13-APR-2011 05:40:01	Twilight	50.500	61	8Eps Peg	2.1000	3900.0	101	47677	No
79	GOM_TRA_1PNPDE20110413_054501_000000473101_00249_47677_4977.N1	13-APR-2011 05:45:01	Dark	46.500	154	22Bet Aqr	2.8990	5700.0	93	47677	No
80	GOM_TRA_1PNPDE20110413_060053_000000613101_00250_47678_4978.N1	13-APR-2011 06:00:53	Dark	60.500	103	38Zet Sgr	2.6000	9700.0	121	47678	No
81	GOM_TRA_1PNPDE20110413_060429_000000613101_00250_47678_4979.N1	13-APR-2011 06:04:29	Dark	61.000	38	20Eps Sgr	1.8360	11000.	122	47678	No
82	GOM_TRA_1PNPDE20110413_060652_000000503101_00250_47678_4980.N1	13-APR-2011 06:06:52	Dark	50.000	141	Bet Ara	2.8400	4600.0	100	47678	No
83	GOM_TRA_1PNPDE20110413_060829_000000593101_00250_47678_4981.N1	13-APR-2011 06:08:29	Dark	58.500	25	35Lam Sco	1.6200	28000.	117	47678	No
84	GOM_TRA_1PNPDE20110413_061229_000000623101_00250_47678_4982.N1	13-APR-2011 06:12:29	Straylight	62.000	75	26Eps Sco	2.2910	4250.0	124	47678	No
85	GOM_TRA_1PNPDE20110413_061442_000000443101_00250_47678_4983.N1	13-APR-2011 06:14:42	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	47678	No
86	GOM_TRA_1PNPDE20110413_061618_000000483101_00250_47678_4984.N1	13-APR-2011 06:16:18	Straylight	47.500	81	Eta Cen	2.3560	28000.	95	47678	No
87	GOM_TRA_1PNPDE20110413_061842_000000523101_00250_47678_4985.N1	13-APR-2011 06:18:42	Straylight	52.000	54	5The Cen	2.0550	4500.0	104	47678	No
88	GOM_TRA_1PNPDE20110413_062329_000000463101_00250_47678_4986.N1	13-APR-2011 06:23:29	Tw_i_and_stray	45.500	169	46Gam Hya	2.9910	4700.0	91	47678	No
89	GOM_TRA_1PNPDE20110413_062504_000000523101_00250_47678_4987.N1	13-APR-2011 06:25:04	Bright	52.000	122	9Alp2Lib	2.7470	9700.0	104	47678	No
90	GOM_TRA_1PNPDE20110413_062711_000000463101_00250_47678_4988.N1	13-APR-2011 06:27:11	Bright	46.000	15	67Alp Vir	0.97600	28000.	92	47678	No
91	GOM_TRA_1PNPDE20110413_063405_000000423101_00250_47678_4989.N1	13-APR-2011 06:34:05	Bright	41.500	138	47Eps Vir	2.8280	4700.0	83	47678	No
92	GOM_TRA_1PNPDE20110413_063738_000000493101_00250_47678_4990.N1	13-APR-2011 06:37:38	Bright	48.500	111	8Eta Boo	2.6800	6000.0	97	47678	No
93	GOM_TRA_1PNPDE20110413_064213_000000393101_00250_47678_4991.N1	13-APR-2011 06:42:13	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	47678	No
94	GOM_TRA_1PNPDE20110413_064710_000000383101_00250_47678_4992.N1	13-APR-2011 06:47:10	Bright	38.000	32	77Eps UMa	1.7630	11000.	76	47678	No
95	GOM_TRA_1PNPDE20110413_065334_000000413101_00250_47678_4993.N1	13-APR-2011 06:53:34	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47678	No
96	GOM_TRA_1PNPDE20110413_065511_000000473101_00250_47678_4994.N1	13-APR-2011 06:55:11	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	47678	No
97	GOM_TRA_1PNPDK20110413_070335_000000393101_00250_47678_3435.N1	13-APR-2011 07:03:35	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47678	No
98	GOM_TRA_1PNPDK20110413_070806_000000533101_00250_47678_3436.N1	13-APR-2011 07:08:06	Bright	53.000	144	18Del Cyg	2.8600	11000.	106	47678	No
99	GOM_TRA_1PNPDK20110413_071033_000000523101_00250_47678_3437.N1	13-APR-2011 07:10:33	Bright	52.000	66	37Gam Cyg	2.2080	5900.0	104	47678	No
100	GOM_TRA_1PNPDK20110413_071300_000000533101_00250_47678_3438.N1	13-APR-2011 07:13:00	Bright	52.500	92	53Eps Cyg	2.5000	4500.0	105	47678	No
101	GOM_TRA_1PNPDK20110413_072016_000000513101_00250_47678_3439.N1	13-APR-2011 07:20:16	Twilight	50.500	61	8Eps Peg	2.1000	3900.0	101	47678	No
102	GOM_TRA_1PNPDK20110413_072515_000000463101_00250_47678_3440.N1	13-APR-2011 07:25:15	Dark	46.000	154	22Bet Aqr	2.8990	5700.0	92	47678	No
103	GOM_TRA_1PNPDK20110413_074108_000000593101_00251_47679_3441.N1	13-APR-2011 07:41:08	Dark	59.000	103	38Zet Sgr	2.6000	9700.0	118	47679	No
104	GOM_TRA_1PNPDK20110413_074444_000000613101_00251_47679_3442.N1	13-APR-2011 07:44:44	Dark	60.500	38	20Eps Sgr	1.8360	11000.	121	47679	No
105	GOM_TRA_1PNPDK20110413_074707_000000483101_00251_47679_3443.N1	13-APR-2011 07:47:07	Dark	48.000	141	Bet Ara	2.8400	4600.0	96	47679	No
106	GOM_TRA_1PNPDK20110413_074845_000000623101_00251_47679_3444.N1	13-APR-2011 07:48:45	Dark	62.000	25	35Lam Sco	1.6200	28000.	124	47679	No
107	GOM_TRA_1PNPDK20110413_075244_000000623101_00251_47679_3445.N1	13-APR-2011 07:52:44	Straylight	62.000	75	26Eps Sco	2.2910	4250.0	124	47679	No
108	GOM_TRA_1PNPDK20110413_075457_000000433101_00251_47679_3446.N1	13-APR-2011 07:54:57	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	47679	No
109	GOM_TRA_1PNPDK20110413_075632_000000453101_00251_47679_3447.N1	13-APR-2011 07:56:32	Straylight	44.500	81	Eta Cen	2.3560	28000.	89	47679	No
110	GOM_TRA_1PNPDK20110413_075857_000000453101_00251_47679_3448.N1	13-APR-2011 07:58:57	Straylight	44.500	54	5The Cen	2.0550	4500.0	89	47679	No
111	GOM_TRA_1PNPDK20110413_080343_000000443101_00251_47679_3449.N1	13-APR-2011 08:03:43	Tw_i_and_stray	43.500	169	46Gam Hya	2.9910	4700.0	87	47679	No
112	GOM_TRA_1PNPDK20110413_080518_000000523101_00251_47679_3450.N1	13-APR-2011 08:05:18	Bright	52.000	122	9Alp2Lib	2.7470	9700.0	104	47679	No
113	GOM_TRA_1PNPDK20110413_080725_000000493101_00251_47679_3468.N1	13-APR-2011 08:07:25	Bright	49.000	15	67Alp Vir	0.97600	28000.	98	47679	No
114	GOM_TRA_1PNPDK20110413_081419_000000593101_00251_47679_3469.N1	13-APR-2011 08:14:19	Bright	59.000	138	47Eps Vir	2.8280	4700.0	118	47679	No
115	GOM_TRA_1PNPDK20110413_081751_000000513101_00251_47679_3470.N1	13-APR-2011 08:17:51	Bright	50.500	111	8Eta Boo	2.6800	6000.0	101	47679	No
116	GOM_TRA_1PNPDK20110413_082227_000000403101_00251_47679_3471.N1	13-APR-2011 08:22:27	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	47679	No
117	GOM_TRA_1PNPDK20110413_082724_000000393101_00251_47679_3472.N1	13-APR-2011 08:27:24	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	47679	No
118	GOM_TRA_1PNPDK20110413_083348_000000383101_00251_47679_3473.N1	13-APR-2011 08:33:48	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	47679	No
119	GOM_TRA_1PNPDK20110413_083524_000000483101_00251_47679_3474.N1	13-APR-2011 08:35:24	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	47679	No
120	GOM_TRA_1PNPDK20110413_084348_000000573101_00251_47679_3475.N1	13-APR-2011 08:43:48	Bright	57.000	89	5Alp Cep	2.4510	8000.0	114	47679	No
121	GOM_TRA_1PNPDK20110413_084820_000000533101_00251_47679_3476.N1	13-APR-2011 08:48:20	Bright	52.500	144	18Del Cyg	2.8600	11000.	105	47679	No
122	GOM_TRA_1PNPDK20110413_085047_000000543101_00251_47679_3477.N1	13-APR-2011 08:50:47	Bright	54.000	66	37Gam Cyg	2.2080	5900.0	108	47679	No
123	GOM_TRA_1PNPDK20110413_085315_000000543101_00251_47679_3478.N1	13-APR-2011 08:53:15	Bright	53.500	92	53Eps Cyg	2.5000	4500.0	107	47679	No
124	GOM_TRA_1PNPDK20110413_090030_000000493101_00251_47679_3479.N1	13-APR-2011 09:00:30	Twilight	49.000	61	8Eps Peg	2.1000	3900.0	98	47679	No
125	GOM_TRA_1PNPDK20110413_090530_000000473101_00251_47679_3480.N1	13-APR-2011 09:05:30	Dark	46.500	154	22Bet Aqr	2.8990	5700.0	93	47679	No
126	GOM_TRA_1PNPDK20110413_092124_000000613101_00252_47680_3481.N1	13-APR-2011 09:21:24	Dark	61.000	103	38Zet Sgr	2.6000	9700.0	122	47680	No
127	GOM_TRA_1PNPDK20110413_092500_000000613101_00252_47680_3482.N1	13-APR-2011 09:25:00	Dark	61.000	38	20Eps Sgr	1.8360	11000.	122	47680	No
128	GOM_TRA_1PNPDK20110413_092721_000000433101_00252_47680_3483.N1	13-APR-2011 09:27:21	Dark	43.000	141	Bet Ara	2.8400	4600.0	86	47680	No
129	GOM_TRA_1PNPDK20110413_092900_000000673101_00252_47680_3484.N1	13-APR-2011 09:29:00	Dark	67.000	25	35Lam Sco	1.6200	28000.	134	47680	No
130	GOM_TRA_1PNPDK20110413_093259_000000633101_00252_47680_3485.N1	13-APR-2011 09:32:59	Straylight	63.000	75	26Eps Sco	2.2910	4250.0	126	47680	No

131	GOM_TRA_1PNPDK20110413_093511_000000453101_00252_47680_3486.N1	13-APR-2011 09:35:11	Straylight	45.000	78	Alp Lup	2.3040	28000.	90	47680	No
132	GOM_TRA_1PNPDK20110413_093647_000000463101_00252_47680_3487.N1	13-APR-2011 09:36:47	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	47680	No
133	GOM_TRA_1PNPDK20110413_093911_000000513101_00252_47680_3488.N1	13-APR-2011 09:39:11	Straylight	50.500	54	5The Cen	2.0550	4500.0	101	47680	No
134	GOM_TRA_1PNPDK20110413_094358_000000453101_00252_47680_3489.N1	13-APR-2011 09:43:58	Twilight	45.000	169	46Gam Hya	2.9910	4700.0	90	47680	No
135	GOM_TRA_1PNPDK20110413_094533_000000583101_00252_47680_3490.N1	13-APR-2011 09:45:33	Bright	58.000	122	9Alp2Lib	2.7470	9700.0	116	47680	No
136	GOM_TRA_1PNPDK20110413_094738_000000553101_00252_47680_3491.N1	13-APR-2011 09:47:38	Bright	54.500	15	67Alp Vir	0.97600	28000.	109	47680	No
137	GOM_TRA_1PNPDK20110413_095432_000000403101_00252_47680_3507.N1	13-APR-2011 09:54:32	Bright	39.500	138	47Eps Vir	2.8280	4700.0	79	47680	No
138	GOM_TRA_1PNPDK20110413_095805_000000713101_00252_47680_3508.N1	13-APR-2011 09:58:05	Bright	71.000	111	8Eta Boo	2.6800	6000.0	142	47680	No
139	GOM_TRA_1PNPDK20110413_100241_000000383101_00252_47680_3509.N1	13-APR-2011 10:02:41	Bright	37.500	152	12Alp2CVn	2.8900	11000.	75	47680	No
140	GOM_TRA_1PNPDK20110413_100704_000000433101_00252_47680_3510.N1	13-APR-2011 10:07:04	Bright	43.000	39	85Eta UMa	1.8540	24000.	86	47680	No
141	GOM_TRA_1PNPDK20110413_101402_000000363101_00252_47680_3511.N1	13-APR-2011 10:14:02	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	47680	No
142	GOM_TRA_1PNPDK20110413_101537_000000483101_00252_47680_3512.N1	13-APR-2011 10:15:37	Bright	48.000	119	14Eta Dra	2.7270	4700.0	96	47680	No
143	GOM_TRA_1PNPDK20110413_102402_000000383101_00252_47680_3513.N1	13-APR-2011 10:24:02	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	47680	No
144	GOM_TRA_1PNPDK20110413_102834_000000533101_00252_47680_3514.N1	13-APR-2011 10:28:34	Bright	52.500	144	18Del Cyg	2.8600	11000.	105	47680	No
145	GOM_TRA_1PNPDK20110413_103101_000000553101_00252_47680_3515.N1	13-APR-2011 10:31:01	Bright	54.500	66	37Gam Cyg	2.2080	5900.0	109	47680	No
146	GOM_TRA_1PNPDK20110413_103329_000000563101_00252_47680_3516.N1	13-APR-2011 10:33:29	Bright	55.500	92	53Eps Cyg	2.5000	4500.0	111	47680	No
147	GOM_TRA_1PNPDK20110413_104045_000000593101_00252_47680_3517.N1	13-APR-2011 10:40:45	Twilight	58.500	61	8Eps Peg	2.1000	3900.0	117	47680	No
148	GOM_TRA_1PNPDK20110413_104544_000000463101_00252_47680_3518.N1	13-APR-2011 10:45:44	Dark	46.000	154	22Bet Aqr	2.8990	5700.0	92	47680	No
149	GOM_TRA_1PNPDK20110413_110140_000000593101_00253_47681_3519.N1	13-APR-2011 11:01:40	Dark	58.500	103	38Zet Sgr	2.6000	9700.0	117	47681	No
150	GOM_TRA_1PNPDK20110413_110515_000000623101_00253_47681_3520.N1	13-APR-2011 11:05:15	Dark	62.000	38	20Eps Sgr	1.8360	11000.	124	47681	No
151	GOM_TRA_1PNPDK20110413_110736_000000443101_00253_47681_3521.N1	13-APR-2011 11:07:36	Dark	44.000	141	Bet Ara	2.8400	4600.0	88	47681	No
152	GOM_TRA_1PNPDK20110413_110915_000000633101_00253_47681_3522.N1	13-APR-2011 11:09:15	Dark	63.000	25	35Lam Sco	1.6200	28000.	126	47681	No
153	GOM_TRA_1PNPDK20110413_111314_000000633101_00253_47681_3523.N1	13-APR-2011 11:13:14	Straylight	63.000	75	26Eps Sco	2.2910	4250.0	126	47681	No
154	GOM_TRA_1PNPDK20110413_111526_000000433101_00253_47681_3524.N1	13-APR-2011 11:15:26	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	47681	No
155	GOM_TRA_1PNPDK20110413_111701_000000433101_00253_47681_3525.N1	13-APR-2011 11:17:01	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	47681	No
156	GOM_TRA_1PNPDK20110413_111925_000000483101_00253_47681_3526.N1	13-APR-2011 11:19:25	Straylight	47.500	54	5The Cen	2.0550	4500.0	95	47681	No
157	GOM_TRA_1PNPDK20110413_112411_000000463101_00253_47681_3527.N1	13-APR-2011 11:24:11	Twilight	46.000	169	46Gam Hya	2.9910	4700.0	92	47681	No
158	GOM_TRA_1PNPDK20110413_112547_000000583101_00253_47681_3528.N1	13-APR-2011 11:25:47	Bright	58.000	122	9Alp2Lib	2.7470	9700.0	116	47681	No
159	GOM_TRA_1PNPDK20110413_112752_000000453101_00253_47681_3548.N1	13-APR-2011 11:27:52	Bright	45.000	15	67Alp Vir	0.97600	28000.	90	47681	No
160	GOM_TRA_1PNPDK20110413_113446_000000593101_00253_47681_3549.N1	13-APR-2011 11:34:46	Bright	59.000	138	47Eps Vir	2.8280	4700.0	118	47681	No
161	GOM_TRA_1PNPDK20110413_113818_000000493101_00253_47681_3550.N1	13-APR-2011 11:38:18	Bright	48.500	111	8Eta Boo	2.6800	6000.0	97	47681	No
162	GOM_TRA_1PNPDK20110413_114254_000000413101_00253_47681_3551.N1	13-APR-2011 11:42:54	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	47681	No
163	GOM_TRA_1PNPDK20110413_114718_000000433101_00253_47681_3552.N1	13-APR-2011 11:47:18	Bright	42.500	39	85Eta UMa	1.8540	24000.	85	47681	No
164	GOM_TRA_1PNPDK20110413_115415_000000413101_00253_47681_3553.N1	13-APR-2011 11:54:15	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47681	No
165	GOM_TRA_1PNPDK20110413_115550_000000473101_00253_47681_3554.N1	13-APR-2011 11:55:50	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	47681	No
166	GOM_TRA_1PNPDK20110413_120416_000000393101_00253_47681_3555.N1	13-APR-2011 12:04:16	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	47681	No
167	GOM_TRA_1PNPDK20110413_120847_000000563101_00253_47681_3556.N1	13-APR-2011 12:08:47	Bright	55.500	144	18Del Cyg	2.8600	11000.	111	47681	No
168	GOM_TRA_1PNPDK20110413_121114_000000553101_00253_47681_3557.N1	13-APR-2011 12:11:14	Bright	54.500	66	37Gam Cyg	2.2080	5900.0	109	47681	No
169	GOM_TRA_1PNPDK20110413_121342_000000533101_00253_47681_3558.N1	13-APR-2011 12:13:42	Bright	52.500	92	53Eps Cyg	2.5000	4500.0	105	47681	No
170	GOM_TRA_1PNPDK20110413_122059_000000533101_00253_47681_3559.N1	13-APR-2011 12:20:59	Twilight	52.500	61	8Eps Peg	2.1000	3900.0	105	47681	No
171	GOM_TRA_1PNPDK20110413_122559_000000503101_00253_47681_3560.N1	13-APR-2011 12:25:59	Dark	50.000	154	22Bet Aqr	2.8990	5700.0	100	47681	No
172	GOM_TRA_1PNPDK20110413_124155_000000633101_00254_47682_3561.N1	13-APR-2011 12:41:55	Dark	62.500	103	38Zet Sgr	2.6000	9700.0	125	47682	No
173	GOM_TRA_1PNPDK20110413_124531_000000633101_00254_47682_3562.N1	13-APR-2011 12:45:31	Dark	62.500	38	20Eps Sgr	1.8360	11000.	125	47682	No
174	GOM_TRA_1PNPDK20110413_124751_000000433101_00254_47682_3563.N1	13-APR-2011 12:47:51	Dark	43.000	141	Bet Ara	2.8400	4600.0	86	47682	No
175	GOM_TRA_1PNPDK20110413_124931_000000603101_00254_47682_3564.N1	13-APR-2011 12:49:31	Dark	59.500	25	35Lam Sco	1.6200	28000.	119	47682	No
176	GOM_TRA_1PNPDK20110413_125330_000000643101_00254_47682_3565.N1	13-APR-2011 12:53:30	Straylight	64.000	75	26Eps Sco	2.2910	4250.0	128	47682	No
177	GOM_TRA_1PNPDK20110413_125540_000000443101_00254_47682_3566.N1	13-APR-2011 12:55:40	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	47682	No
178	GOM_TRA_1PNPDK20110413_125715_000000423101_00254_47682_3567.N1	13-APR-2011 12:57:15	Straylight	41.500	81	Eta Cen	2.3560	28000.	83	47682	No
179	GOM_TRA_1PNPDK20110413_125939_000000483101_00254_47682_3568.N1	13-APR-2011 12:59:39	Straylight	48.000	54	5The Cen	2.0550	4500.0	96	47682	No
180	GOM_TRA_1PNPDK20110413_130426_000000443101_00254_47682_3569.N1	13-APR-2011 13:04:26	Twilight	43.500	169	46Gam Hya	2.9910	4700.0	87	47682	No
181	GOM_TRA_1PNPDK20110413_130601_000000633101_00254_47682_3586.N1	13-APR-2011 13:06:01	Bright	62.500	122	9Alp2Lib	2.7470	9700.0	125	47682	Yes
182	GOM_TRA_1PNPDK20110413_130806_000000563101_00254_47682_3587.N1	13-APR-2011 13:08:06	Bright	55.500	15	67Alp Vir	0.97600	28000.	111	47682	No
183	GOM_TRA_1PNPDK20110413_131500_000000413101_00254_47682_3588.N1	13-APR-2011 13:15:00	Bright	40.500	138	47Eps Vir	2.8280	4700.0	81	47682	No
184	GOM_TRA_1PNPDK20110413_131831_000000483101_00254_47682_3589.N1	13-APR-2011 13:18:31	Bright	48.000	111	8Eta Boo	2.6800	6000.0	96	47682	No
185	GOM_TRA_1PNPDK20110413_132308_000000483101_00254_47682_3590.N1	13-APR-2011 13:23:08	Bright	48.000	152	12Alp2CVn	2.8900	11000.	96	47682	No
186	GOM_TRA_1PNPDK20110413_132731_000000443101_00254_47682_3591.N1	13-APR-2011 13:27:31	Bright	44.000	39	85Eta UMa	1.8540	24000.	88	47682	No
187	GOM_TRA_1PNPDK20110413_133429_000000403101_00254_47682_3592.N1	13-APR-2011 13:34:29	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	47682	No
188	GOM_TRA_1PNPDK20110413_133603_000000463101_00254_47682_3593.N1	13-APR-2011 13:36:03	Bright	46.000	119	14Eta Dra	2.7270	4700.0	92	47682	No
189	GOM_TRA_1PNPDK20110413_134430_000000393101_00254_47682_3594.N1	13-APR-2011 13:44:30	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47682	No

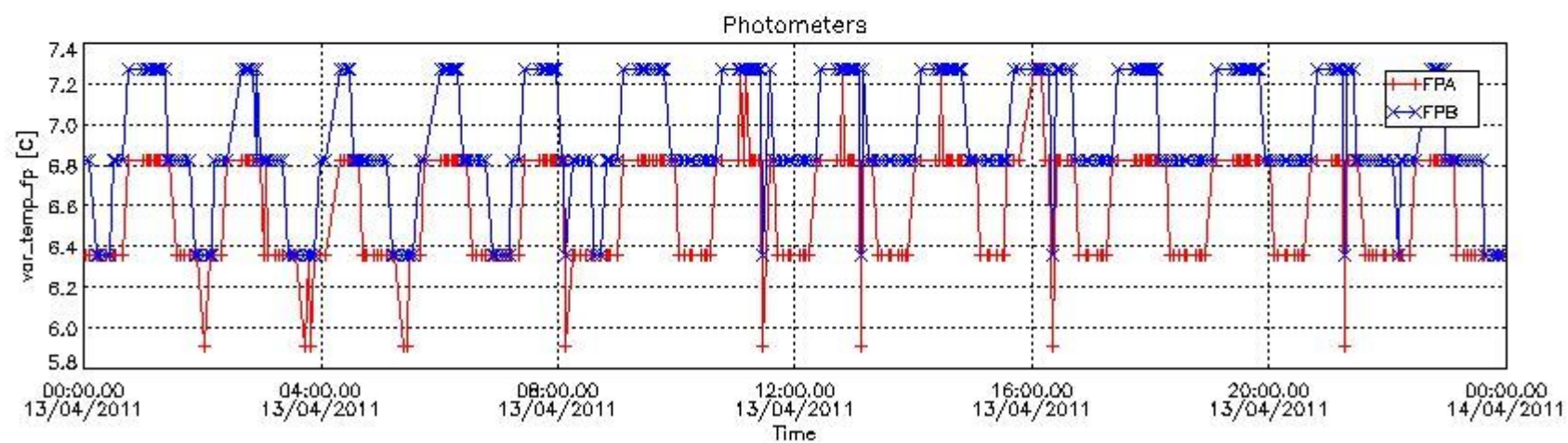
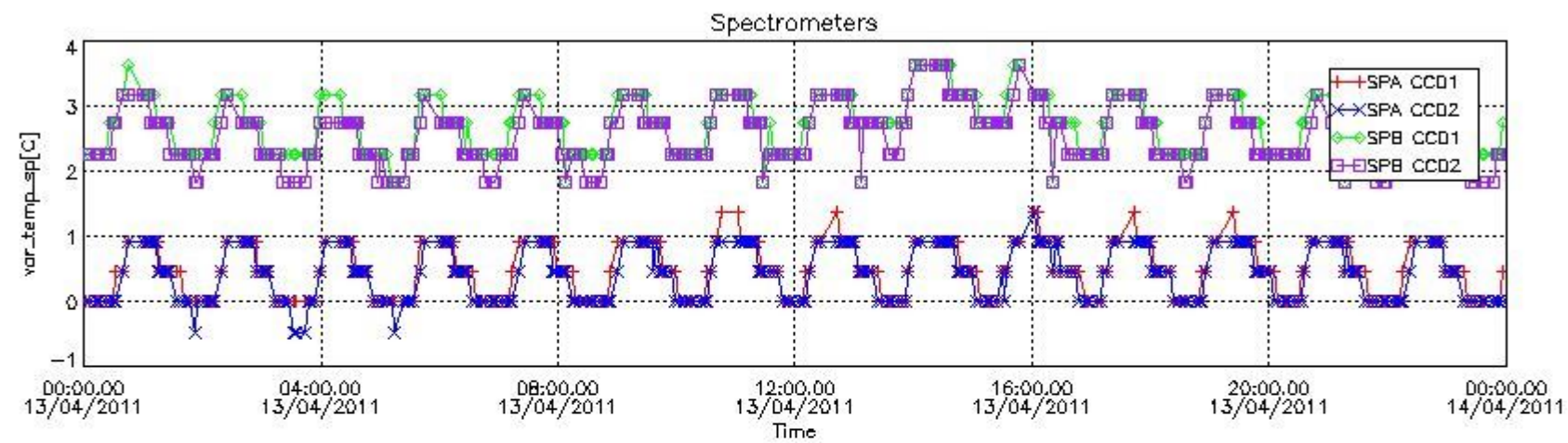
190	GOM_TRA_1PNPDK20110413_134901_000000663101_00254_47682_3595.N1	13-APR-2011 13:49:01	Bright	66.000	144	18Del Cyg	2.8600	11000.	132	47682	No
191	GOM_TRA_1PNPDK20110413_135129_000000523101_00254_47682_3596.N1	13-APR-2011 13:51:29	Bright	52.000	66	37Gam Cyg	2.2080	5900.0	104	47682	No
192	GOM_TRA_1PNPDK20110413_135357_000000533101_00254_47682_3597.N1	13-APR-2011 13:53:57	Bright	52.500	92	53Eps Cyg	2.5000	4500.0	105	47682	No
193	GOM_TRA_1PNPDK20110413_140113_000000513101_00254_47682_3598.N1	13-APR-2011 14:01:13	Twilight	50.500	61	8Eps Peg	2.1000	3900.0	101	47682	No
194	GOM_TRA_1PNPDK20110413_140614_000000493101_00254_47682_3599.N1	13-APR-2011 14:06:14	Dark	48.500	154	22Bet Aqr	2.8990	5700.0	97	47682	No
195	GOM_TRA_1PNPDK20110413_142210_000000613101_00255_47683_3600.N1	13-APR-2011 14:22:10	Dark	60.500	103	38Zet Sgr	2.6000	9700.0	121	47683	No
196	GOM_TRA_1PNPDK20110413_142546_000000623101_00255_47683_3601.N1	13-APR-2011 14:25:46	Dark	62.000	38	20Eps Sgr	1.8360	11000.	124	47683	No
197	GOM_TRA_1PNPDK20110413_142805_000000453101_00255_47683_3602.N1	13-APR-2011 14:28:05	Dark	45.000	141	Bet Ara	2.8400	4600.0	90	47683	No
198	GOM_TRA_1PNPDK20110413_142946_000000613101_00255_47683_3603.N1	13-APR-2011 14:29:46	Dark	61.000	25	35Lam Sco	1.6200	28000.	122	47683	No
199	GOM_TRA_1PNPDK20110413_143345_000000643101_00255_47683_3604.N1	13-APR-2011 14:33:45	Straylight	64.000	75	26Eps Sco	2.2910	4250.0	128	47683	No
200	GOM_TRA_1PNPDK20110413_143555_000000443101_00255_47683_3605.N1	13-APR-2011 14:35:55	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	47683	No
201	GOM_TRA_1PNPDK20110413_143730_000000443101_00255_47683_3606.N1	13-APR-2011 14:37:30	Straylight	43.500	81	Eta Cen	2.3560	28000.	87	47683	No
202	GOM_TRA_1PNPDK20110413_143953_000000503101_00255_47683_3607.N1	13-APR-2011 14:39:53	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	47683	No
203	GOM_TRA_1PNPDK20110413_144440_000000463101_00255_47683_3604.N1	13-APR-2011 14:44:40	Twilight_and_stray	46.000	169	46Gam Hya	2.9910	4700.0	92	47683	No
204	GOM_TRA_1PNPDK20110413_144615_000000623101_00255_47683_3605.N1	13-APR-2011 14:46:15	Bright	62.000	122	9Alp2Lib	2.7470	9700.0	124	47683	No
205	GOM_TRA_1PNPDK20110413_144821_000000523101_00255_47683_3606.N1	13-APR-2011 14:48:21	Bright	51.500	15	67Alp Vir	0.97600	28000.	103	47683	No
206	GOM_TRA_1PNPDK20110413_145514_000000413101_00255_47683_3607.N1	13-APR-2011 14:55:14	Bright	40.500	138	47Eps Vir	2.8280	4700.0	81	47683	No
207	GOM_TRA_1PNPDK20110413_145845_000000483101_00255_47683_3608.N1	13-APR-2011 14:58:45	Bright	48.000	111	8Eta Boo	2.6800	6000.0	96	47683	No
208	GOM_TRA_1PNPDK20110413_150322_000000393101_00255_47683_3609.N1	13-APR-2011 15:03:22	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	47683	No
209	GOM_TRA_1PNPDK20110413_150745_000000503101_00255_47683_3610.N1	13-APR-2011 15:07:45	Bright	50.000	39	85Eta UMa	1.8540	24000.	100	47683	No
210	GOM_TRA_1PNPDK20110413_151443_000000413101_00255_47683_3611.N1	13-APR-2011 15:14:43	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47683	No
211	GOM_TRA_1PNPDK20110413_151617_000000483101_00255_47683_3612.N1	13-APR-2011 15:16:17	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	47683	No
212	GOM_TRA_1PNPDK20110413_152444_000000393101_00255_47683_3613.N1	13-APR-2011 15:24:44	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	47683	No
213	GOM_TRA_1PNPDK20110413_152914_000000553101_00255_47683_3614.N1	13-APR-2011 15:29:14	Bright	55.000	144	18Del Cyg	2.8600	11000.	110	47683	No
214	GOM_TRA_1PNPDK20110413_153143_000000523101_00255_47683_3615.N1	13-APR-2011 15:31:43	Bright	52.000	66	37Gam Cyg	2.2080	5900.0	104	47683	No
215	GOM_TRA_1PNPDK20110413_153411_000000533101_00255_47683_3616.N1	13-APR-2011 15:34:11	Bright	52.500	92	53Eps Cyg	2.5000	4500.0	105	47683	No
216	GOM_TRA_1PNPDK20110413_154128_000000513101_00255_47683_3617.N1	13-APR-2011 15:41:28	Twilight	50.500	61	8Eps Peg	2.1000	3900.0	101	47683	No
217	GOM_TRA_1PNPDK20110413_154628_000000493101_00255_47683_3618.N1	13-APR-2011 15:46:28	Dark	48.500	154	22Bet Aqr	2.8990	5700.0	97	47683	No
218	GOM_TRA_1PNPDK20110413_160226_000000603101_00256_47684_3619.N1	13-APR-2011 16:02:26	Dark	60.000	103	38Zet Sgr	2.6000	9700.0	120	47684	No
219	GOM_TRA_1PNPDK20110413_160602_000000623101_00256_47684_3620.N1	13-APR-2011 16:06:02	Dark	62.000	38	20Eps Sgr	1.8360	11000.	124	47684	No
220	GOM_TRA_1PNPDK20110413_160820_000000473101_00256_47684_3621.N1	13-APR-2011 16:08:20	Dark	46.500	141	Bet Ara	2.8400	4600.0	93	47684	No
221	GOM_TRA_1PNPDK20110413_161001_000000633101_00256_47684_3622.N1	13-APR-2011 16:10:01	Dark	63.000	25	35Lam Sco	1.6200	28000.	126	47684	No
222	GOM_TRA_1PNPDK20110413_161400_000000643101_00256_47684_3623.N1	13-APR-2011 16:14:00	Straylight	63.500	75	26Eps Sco	2.2910	4250.0	127	47684	No
223	GOM_TRA_1PNPDK20110413_161609_000000433101_00256_47684_3624.N1	13-APR-2011 16:16:09	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	47684	No
224	GOM_TRA_1PNPDK20110413_161744_000000463101_00256_47684_3625.N1	13-APR-2011 16:17:44	Straylight	46.000	81	Eta Cen	2.3560	28000.	92	47684	No
225	GOM_TRA_1PNPDK20110413_162008_000000503101_00256_47684_3639.N1	13-APR-2011 16:20:08	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	47684	Yes
226	GOM_TRA_1PNPDK20110413_162454_000000433101_00256_47684_3640.N1	13-APR-2011 16:24:54	Twilight_and_stray	43.000	169	46Gam Hya	2.9910	4700.0	86	47684	No
227	GOM_TRA_1PNPDK20110413_162629_000000603101_00256_47684_3641.N1	13-APR-2011 16:26:29	Bright	60.000	122	9Alp2Lib	2.7470	9700.0	120	47684	No
228	GOM_TRA_1PNPDK20110413_162835_000000443101_00256_47684_3642.N1	13-APR-2011 16:28:35	Bright	43.500	15	67Alp Vir	0.97600	28000.	87	47684	No
229	GOM_TRA_1PNPDK20110413_163528_000000413101_00256_47684_3643.N1	13-APR-2011 16:35:28	Bright	40.500	138	47Eps Vir	2.8280	4700.0	81	47684	No
230	GOM_TRA_1PNPDK20110413_163858_000000503101_00256_47684_3644.N1	13-APR-2011 16:38:58	Bright	49.500	111	8Eta Boo	2.6800	6000.0	99	47684	No
231	GOM_TRA_1PNPDK20110413_164336_000000393101_00256_47684_3645.N1	13-APR-2011 16:43:36	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	47684	No
232	GOM_TRA_1PNPDK20110413_164758_000000443101_00256_47684_3646.N1	13-APR-2011 16:47:58	Bright	43.500	39	85Eta UMa	1.8540	24000.	87	47684	No
233	GOM_TRA_1PNPDK20110413_165457_000000413101_00256_47684_3647.N1	13-APR-2011 16:54:57	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	47684	No
234	GOM_TRA_1PNPDK20110413_165630_000000453101_00256_47684_3648.N1	13-APR-2011 16:56:30	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	47684	No
235	GOM_TRA_1PNPDK20110413_170458_000000383101_00256_47684_3649.N1	13-APR-2011 17:04:58	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	47684	No
236	GOM_TRA_1PNPDK20110413_170928_000000613101_00256_47684_3650.N1	13-APR-2011 17:09:28	Bright	61.000	144	18Del Cyg	2.8600	11000.	122	47684	No
237	GOM_TRA_1PNPDK20110413_171156_000000533101_00256_47684_3651.N1	13-APR-2011 17:11:56	Bright	52.500	66	37Gam Cyg	2.2080	5900.0	105	47684	No
238	GOM_TRA_1PNPDK20110413_171425_000000533101_00256_47684_3652.N1	13-APR-2011 17:14:25	Bright	53.000	92	53Eps Cyg	2.5000	4500.0	106	47684	No
239	GOM_TRA_1PNPDK20110413_172142_000000503101_00256_47684_3653.N1	13-APR-2011 17:21:42	Twilight	49.500	61	8Eps Peg	2.1000	3900.0	99	47684	No
240	GOM_TRA_1PNPDK20110413_172643_000000483101_00256_47684_3654.N1	13-APR-2011 17:26:43	Dark	47.500	154	22Bet Aqr	2.8990	5700.0	95	47684	No
241	GOM_TRA_1PNPDK20110413_174242_000000613101_00257_47685_3655.N1	13-APR-2011 17:42:42	Dark	60.500	103	38Zet Sgr	2.6000	9700.0	121	47685	No
242	GOM_TRA_1PNPDK20110413_174617_000000623101_00257_47685_3656.N1	13-APR-2011 17:46:17	Dark	61.500	38	20Eps Sgr	1.8360	11000.	123	47685	No
243	GOM_TRA_1PNPDK20110413_174835_000000453101_00257_47685_3657.N1	13-APR-2011 17:48:35	Dark	45.000	141	Bet Ara	2.8400	4600.0	90	47685	No
244	GOM_TRA_1PNPDK20110413_175017_000000643101_00257_47685_3658.N1	13-APR-2011 17:50:17	Dark	64.000	25	35Lam Sco	1.6200	28000.	128	47685	No
245	GOM_TRA_1PNPDK20110413_175415_000000653101_00257_47685_3659.N1	13-APR-2011 17:54:15	Straylight	65.000	75	26Eps Sco	2.2910	4250.0	130	47685	No
246	GOM_TRA_1PNPDK20110413_175624_000000433101_00257_47685_3660.N1	13-APR-2011 17:56:24	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	47685	No
247	GOM_TRA_1PNPDK20110413_175759_000000433101_00257_47685_3661.N1	13-APR-2011 17:57:59	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	47685	No
248	GOM_TRA_1PNPDK20110413_180022_000000493101_00257_47685_3674.N1	13-APR-2011 18:00:22	Straylight	49.000	54	5The Cen	2.0550	4500.0	98	47685	No



249	GOM_TRA_1PNPDK20110413_180509_000000443101_00257_47685_3675.N1	13-APR-2011 18:05:09	Twilight	44.000	169	46Gam Hya	2.9910	4700.0	88	47685	No
250	GOM_TRA_1PNPDK20110413_180643_000000613101_00257_47685_3676.N1	13-APR-2011 18:06:43	Bright	61.000	122	9Alp2Lib	2.7470	9700.0	122	47685	No
251	GOM_TRA_1PNPDK20110413_180849_000000483101_00257_47685_3677.N1	13-APR-2011 18:08:49	Bright	47.500	15	67Alp Vir	0.97600	28000.	95	47685	No
252	GOM_TRA_1PNPDK20110413_181541_000000403101_00257_47685_3678.N1	13-APR-2011 18:15:41	Bright	40.000	138	47Eps Vir	2.8280	4700.0	80	47685	No
253	GOM_TRA_1PNPDK20110413_181912_000000503101_00257_47685_3679.N1	13-APR-2011 18:19:12	Bright	49.500	111	8Eta Boo	2.6800	6000.0	99	47685	No
254	GOM_TRA_1PNPDK20110413_182349_000000403101_00257_47685_3680.N1	13-APR-2011 18:23:49	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	47685	No
255	GOM_TRA_1PNPDK20110413_182812_000000443101_00257_47685_3681.N1	13-APR-2011 18:28:12	Bright	43.500	39	85Eta UMa	1.8540	24000.	87	47685	No
256	GOM_TRA_1PNPDK20110413_183511_000000363101_00257_47685_3682.N1	13-APR-2011 18:35:11	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	47685	No
257	GOM_TRA_1PNPDK20110413_183643_000000473101_00257_47685_3683.N1	13-APR-2011 18:36:43	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	47685	No
258	GOM_TRA_1PNPDK20110413_184511_000000383101_00257_47685_3684.N1	13-APR-2011 18:45:11	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	47685	No
259	GOM_TRA_1PNPDK20110413_184942_000000573101_00257_47685_3685.N1	13-APR-2011 18:49:42	Bright	57.000	144	18Del Cyg	2.8600	11000.	114	47685	No
260	GOM_TRA_1PNPDK20110413_185210_000000523101_00257_47685_3686.N1	13-APR-2011 18:52:10	Bright	52.000	66	37Gam Cyg	2.2080	5900.0	104	47685	No
261	GOM_TRA_1PNPDK20110413_185439_000000523101_00257_47685_3687.N1	13-APR-2011 18:54:39	Bright	52.000	92	53Eps Cyg	2.5000	4500.0	104	47685	No
262	GOM_TRA_1PNPDK20110413_190157_000000493101_00257_47685_3688.N1	13-APR-2011 19:01:57	Twilight	48.500	61	8Eps Peg	2.1000	3900.0	97	47685	No
263	GOM_TRA_1PNPDK20110413_190657_000000493101_00257_47685_3689.N1	13-APR-2011 19:06:57	Dark	49.000	154	22Bet Aqr	2.8990	5700.0	98	47685	No
264	GOM_TRA_1PNPDK20110413_192257_000000613101_00258_47686_3690.N1	13-APR-2011 19:22:57	Dark	61.000	103	38Zet Sgr	2.6000	9700.0	122	47686	No
265	GOM_TRA_1PNPDK20110413_192633_000000613101_00258_47686_3691.N1	13-APR-2011 19:26:33	Dark	60.500	38	20Eps Sgr	1.8360	11000.	121	47686	No
266	GOM_TRA_1PNPDK20110413_192849_000000453101_00258_47686_3692.N1	13-APR-2011 19:28:49	Dark	44.500	141	Bet Ara	2.8400	4600.0	89	47686	No
267	GOM_TRA_1PNPDK20110413_193032_000000673101_00258_47686_3693.N1	13-APR-2011 19:30:32	Dark	66.500	25	35Lam Sco	1.6200	28000.	133	47686	No
268	GOM_TRA_1PNPDK20110413_193431_000000663101_00258_47686_3694.N1	13-APR-2011 19:34:31	Straylight	66.000	75	26Eps Sco	2.2910	4250.0	132	47686	No
269	GOM_TRA_1PNPDK20110413_193638_000000463101_00258_47686_3695.N1	13-APR-2011 19:36:38	Straylight	45.500	78	Alp Lup	2.3040	28000.	91	47686	No
270	GOM_TRA_1PNPDK20110413_193813_000000453101_00258_47686_3708.N1	13-APR-2011 19:38:13	Straylight	44.500	81	Eta Cen	2.3560	28000.	89	47686	No
271	GOM_TRA_1PNPDK20110413_194037_000000513101_00258_47686_3709.N1	13-APR-2011 19:40:37	Straylight	51.000	54	5The Cen	2.0550	4500.0	102	47686	No
272	GOM_TRA_1PNPDK20110413_194523_000000463101_00258_47686_3710.N1	13-APR-2011 19:45:23	Twilight	45.500	169	46Gam Hya	2.9910	4700.0	91	47686	No
273	GOM_TRA_1PNPDK20110413_194657_000000733101_00258_47686_3711.N1	13-APR-2011 19:46:57	Bright	73.000	122	9Alp2Lib	2.7470	9700.0	146	47686	No
274	GOM_TRA_1PNPDK20110413_194903_000000483101_00258_47686_3712.N1	13-APR-2011 19:49:03	Bright	48.000	15	67Alp Vir	0.97600	28000.	96	47686	No
275	GOM_TRA_1PNPDK20110413_195555_000000413101_00258_47686_3713.N1	13-APR-2011 19:55:55	Bright	40.500	138	47Eps Vir	2.8280	4700.0	81	47686	No
276	GOM_TRA_1PNPDK20110413_200032_000000563101_00258_47686_3714.N1	13-APR-2011 20:00:32	Bright	56.000	3	16Alp Boo	-0.050000	4250.0	112	47686	No
277	GOM_TRA_1PNPDK20110413_200403_000000383101_00258_47686_3715.N1	13-APR-2011 20:04:03	Bright	37.500	152	12Alp2CVn	2.8900	11000.	75	47686	No
278	GOM_TRA_1PNPDK20110413_200826_000000403101_00258_47686_3716.N1	13-APR-2011 20:08:26	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	47686	No
279	GOM_TRA_1PNPDK20110413_201524_000000413101_00258_47686_3717.N1	13-APR-2011 20:15:24	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47686	No
280	GOM_TRA_1PNPDK20110413_201657_000000473101_00258_47686_3718.N1	13-APR-2011 20:16:57	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	47686	No
281	GOM_TRA_1PNPDK20110413_202525_000000403101_00258_47686_3719.N1	13-APR-2011 20:25:25	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	47686	No
282	GOM_TRA_1PNPDK20110413_202956_000000523101_00258_47686_3720.N1	13-APR-2011 20:29:56	Bright	51.500	144	18Del Cyg	2.8600	11000.	103	47686	No
283	GOM_TRA_1PNPDK20110413_203224_000000533101_00258_47686_3721.N1	13-APR-2011 20:32:24	Bright	52.500	66	37Gam Cyg	2.2080	5900.0	105	47686	No
284	GOM_TRA_1PNPDK20110413_203453_000000533101_00258_47686_3722.N1	13-APR-2011 20:34:53	Bright	52.500	92	53Eps Cyg	2.5000	4500.0	105	47686	No
285	GOM_TRA_1PNPDK20110413_204211_000000533101_00258_47686_3723.N1	13-APR-2011 20:42:11	Twilight	52.500	61	8Eps Peg	2.1000	3900.0	105	47686	No
286	GOM_TRA_1PNPDK20110413_204712_000000483101_00258_47686_3724.N1	13-APR-2011 20:47:12	Dark	47.500	154	22Bet Aqr	2.8990	5700.0	95	47686	No
287	GOM_TRA_1PNPDK20110413_210313_000000603101_00259_47687_3725.N1	13-APR-2011 21:03:13	Dark	59.500	103	38Zet Sgr	2.6000	9700.0	119	47687	No
288	GOM_TRA_1PNPDK20110413_210648_000000623101_00259_47687_3726.N1	13-APR-2011 21:06:48	Dark	62.000	38	20Eps Sgr	1.8360	11000.	124	47687	No
289	GOM_TRA_1PNPDK20110413_210904_000000453101_00259_47687_3727.N1	13-APR-2011 21:09:04	Dark	45.000	141	Bet Ara	2.8400	4600.0	90	47687	No
290	GOM_TRA_1PNPDK20110413_211047_000000693101_00259_47687_3728.N1	13-APR-2011 21:10:47	Dark	68.500	25	35Lam Sco	1.6200	28000.	137	47687	No
291	GOM_TRA_1PNPDK20110413_211446_000000663101_00259_47687_3729.N1	13-APR-2011 21:14:46	Straylight	66.000	75	26Eps Sco	2.2910	4250.0	132	47687	No
292	GOM_TRA_1PNPDE20110413_211652_000000443101_00259_47687_5083.N1	13-APR-2011 21:16:52	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	47687	Yes
293	GOM_TRA_1PNPDE20110413_211828_000000463101_00259_47687_5084.N1	13-APR-2011 21:18:28	Straylight	45.500	81	Eta Cen	2.3560	28000.	91	47687	No
294	GOM_TRA_1PNPDE20110413_212051_000000513101_00259_47687_5085.N1	13-APR-2011 21:20:51	Straylight	51.000	54	5The Cen	2.0550	4500.0	102	47687	No
295	GOM_TRA_1PNPDE20110413_212537_000000443101_00259_47687_5086.N1	13-APR-2011 21:25:37	Twilight	44.000	169	46Gam Hya	2.9910	4700.0	88	47687	No
296	GOM_TRA_1PNPDE20110413_212711_000000683101_00259_47687_5087.N1	13-APR-2011 21:27:11	Bright	67.500	122	9Alp2Lib	2.7470	9700.0	135	47687	No
297	GOM_TRA_1PNPDE20110413_212917_000000453101_00259_47687_5088.N1	13-APR-2011 21:29:17	Bright	45.000	15	67Alp Vir	0.97600	28000.	90	47687	No
298	GOM_TRA_1PNPDE20110413_213609_000000403101_00259_47687_5089.N1	13-APR-2011 21:36:09	Bright	40.000	138	47Eps Vir	2.8280	4700.0	80	47687	No
299	GOM_TRA_1PNPDE20110413_214045_000000533101_00259_47687_5090.N1	13-APR-2011 21:40:45	Bright	52.500	3	16Alp Boo	-0.050000	4250.0	105	47687	No
300	GOM_TRA_1PNPDE20110413_214417_000000383101_00259_47687_5091.N1	13-APR-2011 21:44:17	Bright	38.000	152	12Alp2CVn	2.8900	11000.	76	47687	No
301	GOM_TRA_1PNPDE20110413_214839_000000623101_00259_47687_5092.N1	13-APR-2011 21:48:39	Bright	62.000	39	85Eta UMa	1.8540	24000.	124	47687	No
302	GOM_TRA_1PNPDE20110413_215538_000000403101_00259_47687_5093.N1	13-APR-2011 21:55:38	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47687	No
303	GOM_TRA_1PNPDE20110413_215710_000000503101_00259_47687_5094.N1	13-APR-2011 21:57:10	Bright	49.500	119	14Eta Dra	2.7270	4700.0	99	47687	No
304	GOM_TRA_1PNPDE20110413_220539_000000393101_00259_47687_5095.N1	13-APR-2011 22:05:39	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47687	No
305	GOM_TRA_1PNPDE20110413_221009_000000523101_00259_47687_5096.N1	13-APR-2011 22:10:09	Bright	52.000	144	18Del Cyg	2.8600	11000.	104	47687	No
306	GOM_TRA_1PNPDE20110413_221238_000000543101_00259_47687_5097.N1	13-APR-2011 22:12:38	Bright	54.000	66	37Gam Cyg	2.2080	5900.0	108	47687	No
307	GOM_TRA_1PNPDE20110413_221507_000000523101_00259_47687_5098.N1	13-APR-2011 22:15:07	Bright	51.500	92	53Eps Cyg	2.5000	4500.0	103	47687	No

308	GOM_TRA_1PNPDE20110413_222225_000000483101_00259_47687_5099.N1	13-APR-2011 22:22:25	Twilight	47.500	61	8Eps Peg	2.1000	3900.0	95	47687	No
309	GOM_TRA_1PNPDE20110413_222726_000000463101_00259_47687_5100.N1	13-APR-2011 22:27:26	Dark	46.000	154	22Bet Aqr	2.8990	5700.0	92	47687	No
310	GOM_TRA_1PNPDE20110413_224328_000000643101_00260_47688_5104.N1	13-APR-2011 22:43:28	Dark	64.000	103	38Zet Sgr	2.6000	9700.0	128	47688	No
311	GOM_TRA_1PNPDE20110413_224704_000000643101_00260_47688_5105.N1	13-APR-2011 22:47:04	Dark	63.500	38	20Eps Sgr	1.8360	11000.	127	47688	No
312	GOM_TRA_1PNPDE20110413_224919_000000443101_00260_47688_5106.N1	13-APR-2011 22:49:19	Dark	43.500	141	Bet Ara	2.8400	4600.0	87	47688	No
313	GOM_TRA_1PNPDE20110413_225102_000000703101_00260_47688_5107.N1	13-APR-2011 22:51:02	Dark	69.500	25	35Lam Sco	1.6200	28000.	139	47688	No
314	GOM_TRA_1PNPDE20110413_225501_000000673101_00260_47688_5108.N1	13-APR-2011 22:55:01	Straylight	67.000	75	26Eps Sco	2.2910	4250.0	134	47688	No
315	GOM_TRA_1PNPDE20110413_225707_000000463101_00260_47688_5109.N1	13-APR-2011 22:57:07	Straylight	45.500	78	Alp Lup	2.3040	28000.	91	47688	No
316	GOM_TRA_1PNPDE20110413_225842_000000433101_00260_47688_5110.N1	13-APR-2011 22:58:42	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	47688	No
317	GOM_TRA_1PNPDE20110413_230106_000000503101_00260_47688_5111.N1	13-APR-2011 23:01:06	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	47688	No
318	GOM_TRA_1PNPDE20110413_230551_000000453101_00260_47688_5112.N1	13-APR-2011 23:05:51	Twilight_stray	45.000	169	46Gam Hya	2.9910	4700.0	90	47688	No
319	GOM_TRA_1PNPDE20110413_230725_000000653101_00260_47688_5113.N1	13-APR-2011 23:07:25	Bright	64.500	122	9Alp2Lib	2.7470	9700.0	129	47688	No
320	GOM_TRA_1PNPDE20110413_230931_000000463101_00260_47688_5114.N1	13-APR-2011 23:09:31	Bright	46.000	15	67Alp Vir	0.97600	28000.	92	47688	No
321	GOM_TRA_1PNPDE20110413_231623_000000393101_00260_47688_5115.N1	13-APR-2011 23:16:23	Bright	39.000	138	47Eps Vir	2.8280	4700.0	78	47688	No
322	GOM_TRA_1PNPDE20110413_231952_000000483101_00260_47688_5116.N1	13-APR-2011 23:19:52	Bright	47.500	111	8Eta Boo	2.6800	6000.0	95	47688	No
323	GOM_TRA_1PNPDE20110413_232430_000000393101_00260_47688_5117.N1	13-APR-2011 23:24:30	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	47688	No
324	GOM_TRA_1PNPDE20110413_232852_000000433101_00260_47688_5118.N1	13-APR-2011 23:28:52	Bright	42.500	39	85Eta UMa	1.8540	24000.	85	47688	No
325	GOM_TRA_1PNPDE20110413_233551_000000413101_00260_47688_5119.N1	13-APR-2011 23:35:51	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	47688	No
326	GOM_TRA_1PNPDE20110413_233723_000000473101_00260_47688_5120.N1	13-APR-2011 23:37:23	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	47688	No
327	GOM_TRA_1PNPDE20110413_234553_000000393101_00260_47688_5121.N1	13-APR-2011 23:45:53	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47688	No
328	GOM_TRA_1PNPDE20110413_235023_000000513101_00260_47688_5122.N1	13-APR-2011 23:50:23	Bright	51.000	144	18Del Cyg	2.8600	11000.	102	47688	No
329	GOM_TRA_1PNPDE20110413_235252_000000553101_00260_47688_5123.N1	13-APR-2011 23:52:52	Bright	54.500	66	37Gam Cyg	2.2080	5900.0	109	47688	No
330	GOM_TRA_1PNPDE20110413_235521_000000543101_00260_47688_5124.N1	13-APR-2011 23:55:21	Bright	53.500	92	53Eps Cyg	2.5000	4500.0	107	47688	No

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





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

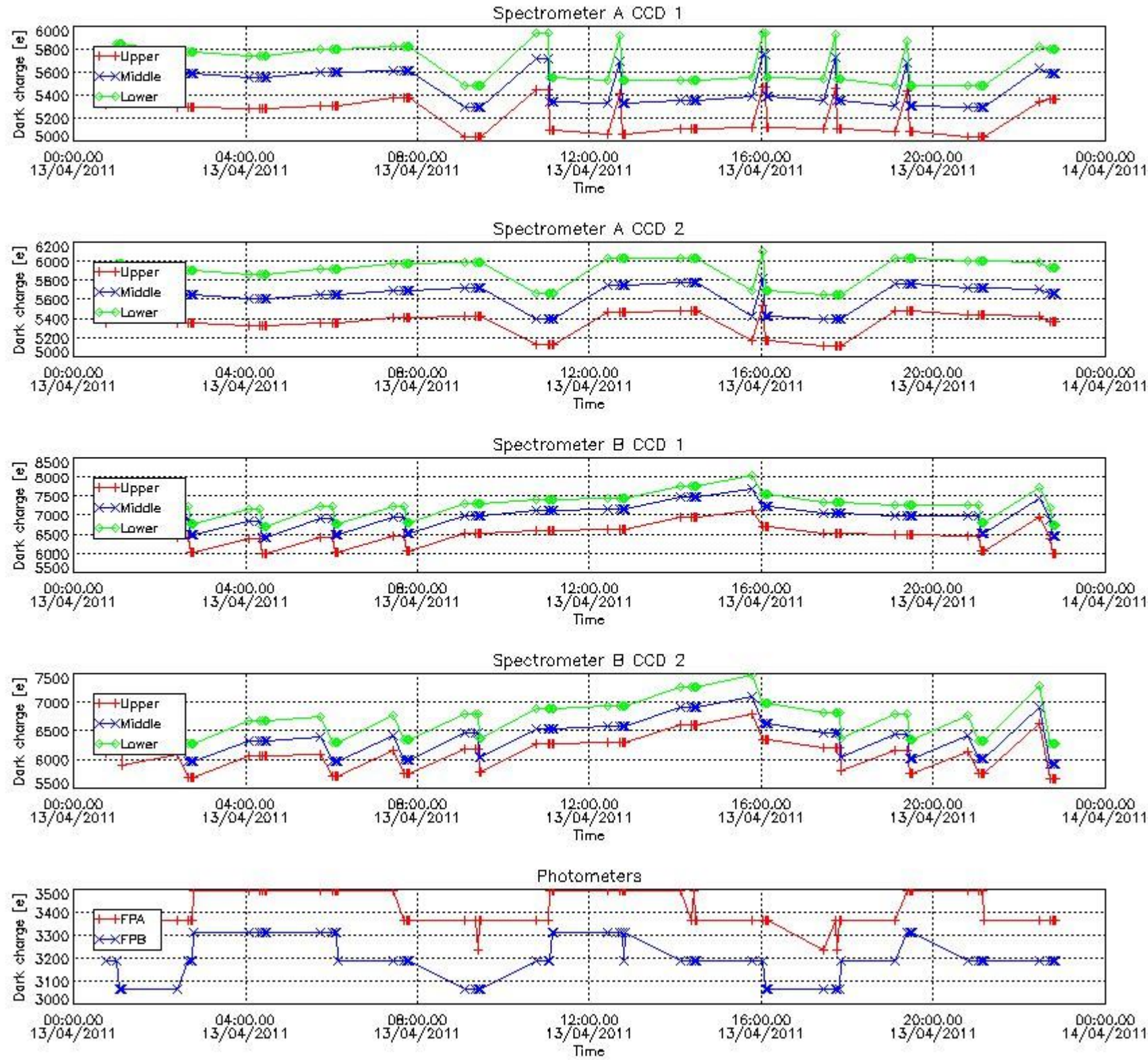
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20110413_211652_000000443101_00259_47687_5083.N1	DC map with no T dep.
GOM_TRA_1PNPDE20110413_211828_000000463101_00259_47687_5084.N1	DC map used
GOM_TRA_1PNPDE20110413_212051_000000513101_00259_47687_5085.N1	DC map used
GOM_TRA_1PNPDE20110413_212537_000000443101_00259_47687_5086.N1	DC map used
GOM_TRA_1PNPDE20110413_212711_000000683101_00259_47687_5087.N1	DC map used
GOM_TRA_1PNPDE20110413_212917_000000453101_00259_47687_5088.N1	DC map used
GOM_TRA_1PNPDE20110413_213609_000000403101_00259_47687_5089.N1	DC map used
GOM_TRA_1PNPDE20110413_214045_000000533101_00259_47687_5090.N1	DC map used
GOM_TRA_1PNPDE20110413_214417_000000383101_00259_47687_5091.N1	DC map used
GOM_TRA_1PNPDE20110413_214839_000000623101_00259_47687_5092.N1	DC map used
GOM_TRA_1PNPDE20110413_215538_000000403101_00259_47687_5093.N1	DC map used
GOM_TRA_1PNPDE20110413_215710_000000503101_00259_47687_5094.N1	DC map used
GOM_TRA_1PNPDE20110413_220539_000000393101_00259_47687_5095.N1	DC map used
GOM_TRA_1PNPDE20110413_221009_000000523101_00259_47687_5096.N1	DC map used
GOM_TRA_1PNPDE20110413_221238_000000543101_00259_47687_5097.N1	DC map used
GOM_TRA_1PNPDE20110413_221507_000000523101_00259_47687_5098.N1	DC map used
GOM_TRA_1PNPDE20110413_222225_000000483101_00259_47687_5099.N1	DC map used
GOM_TRA_1PNPDE20110413_222726_000000463101_00259_47687_5100.N1	DC map used

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



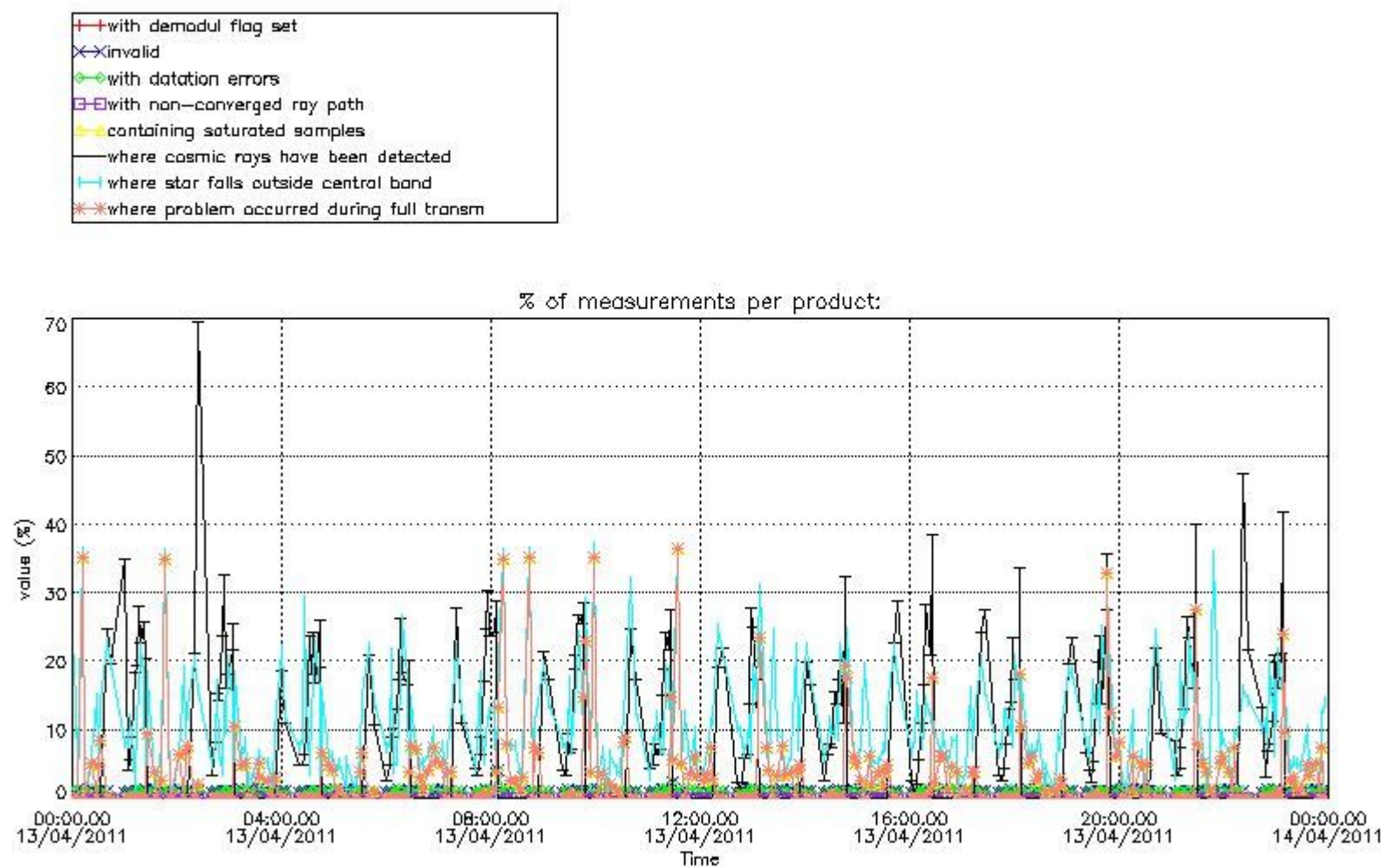
## 5. Demodulation flag and quality information monitoring

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:

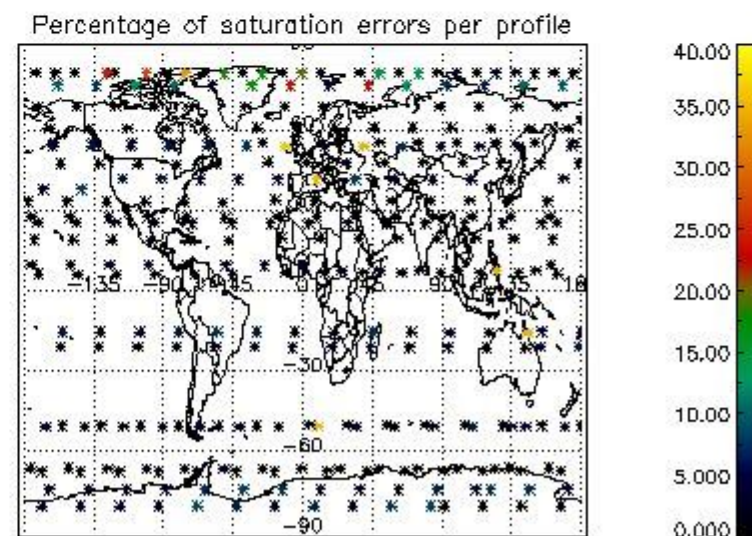
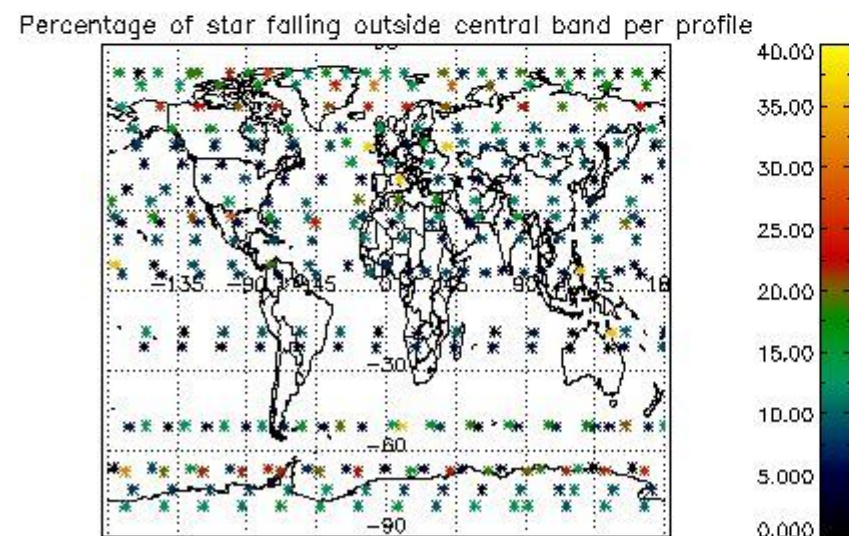
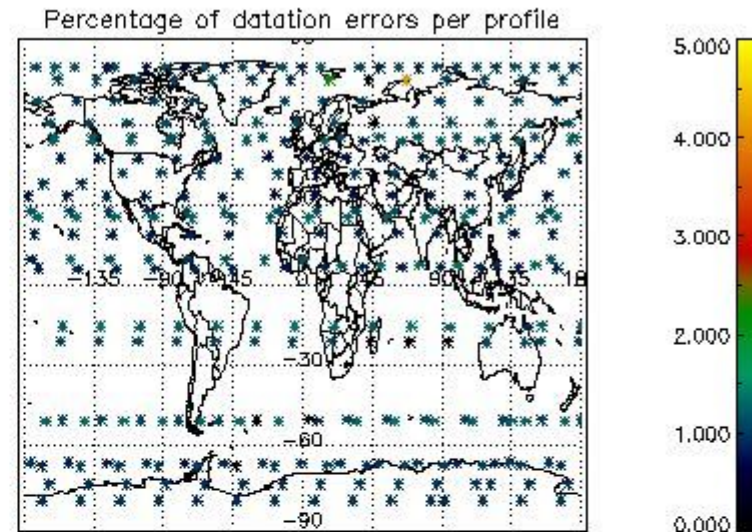
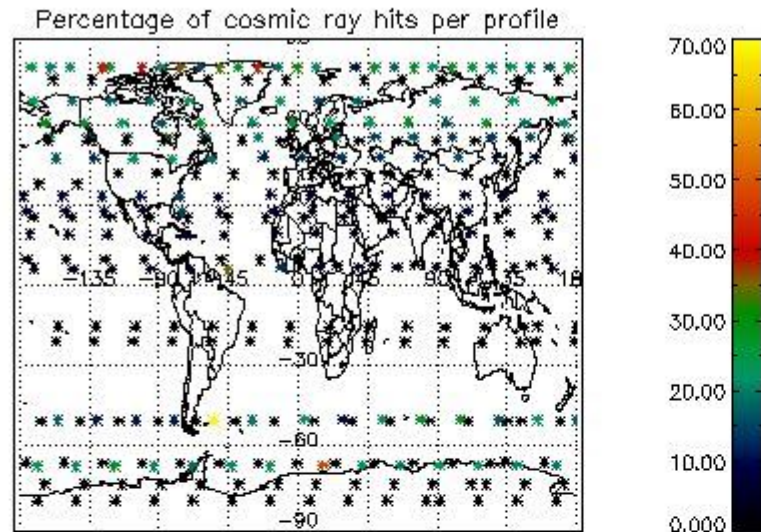
At least one measurement with demodulation flag set:	44.6483 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

### 5.2 Plot quality information per product (time dependant)



### 5.3 Plot quality information per product (world map)





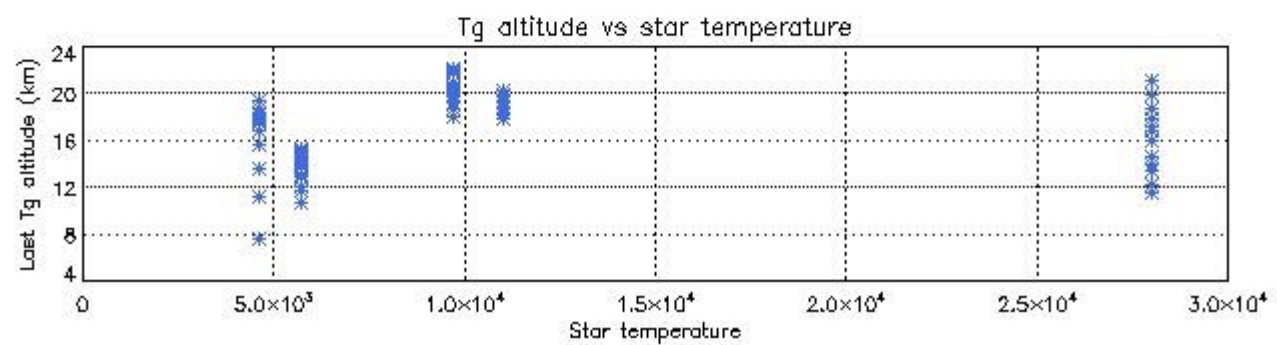
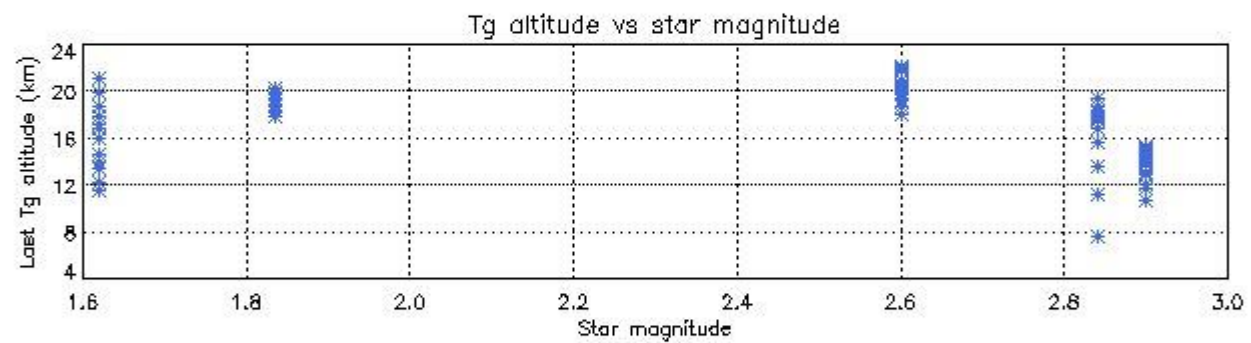
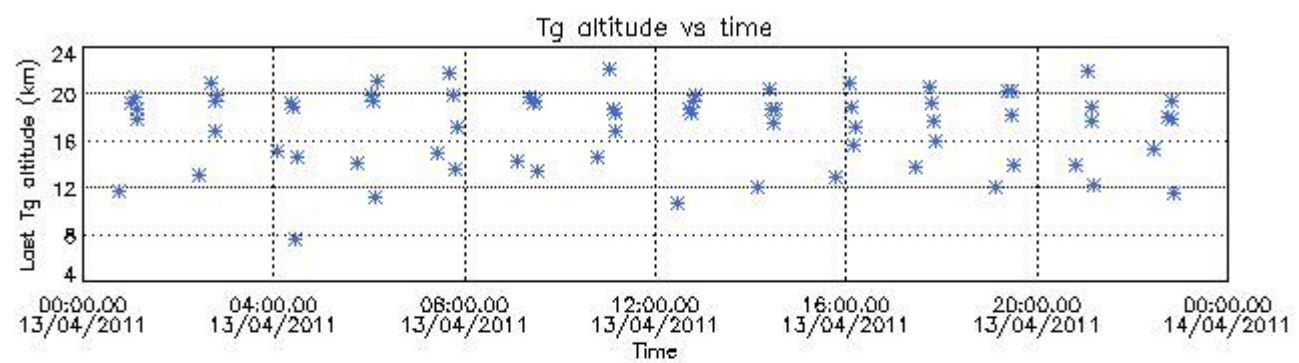
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	17.158	19.479	10.352
St. deviation:	3.2134	5.9861	1.8951
Maximum:	22.188	46.752	13.289
Minimum:	7.6695	3.1581	4.9533
Number of data:	70.000	175.00	14.000

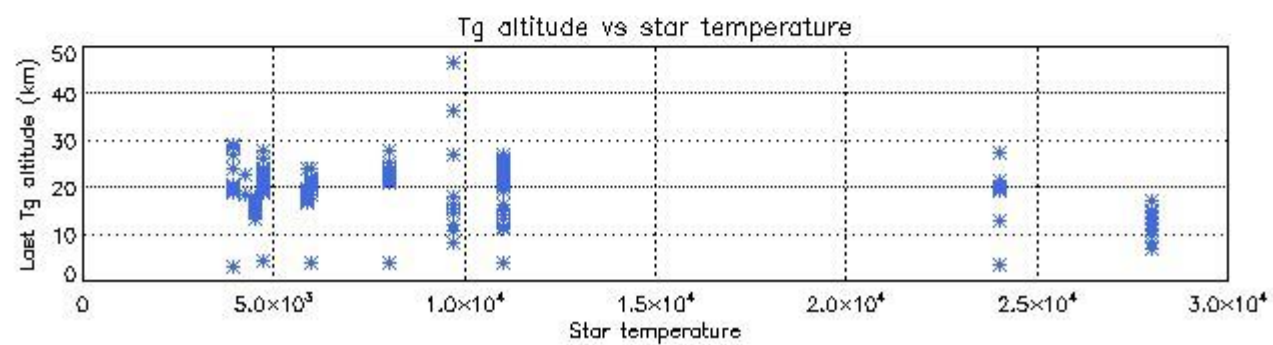
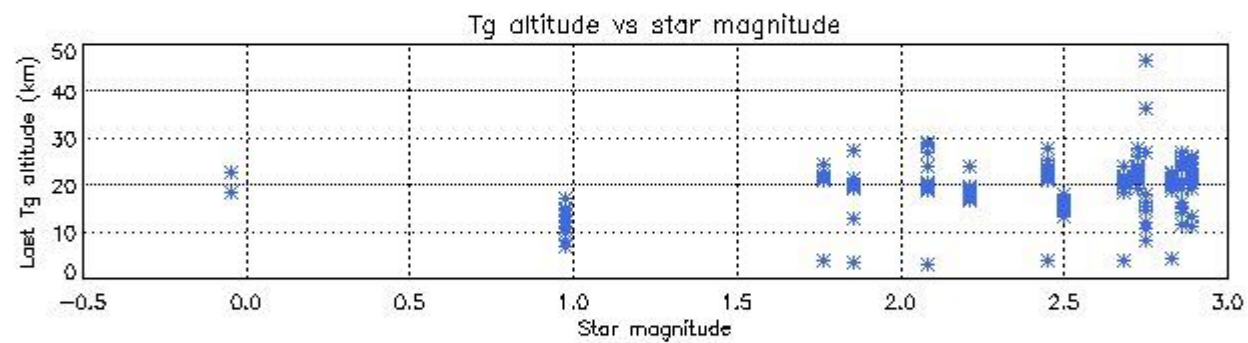
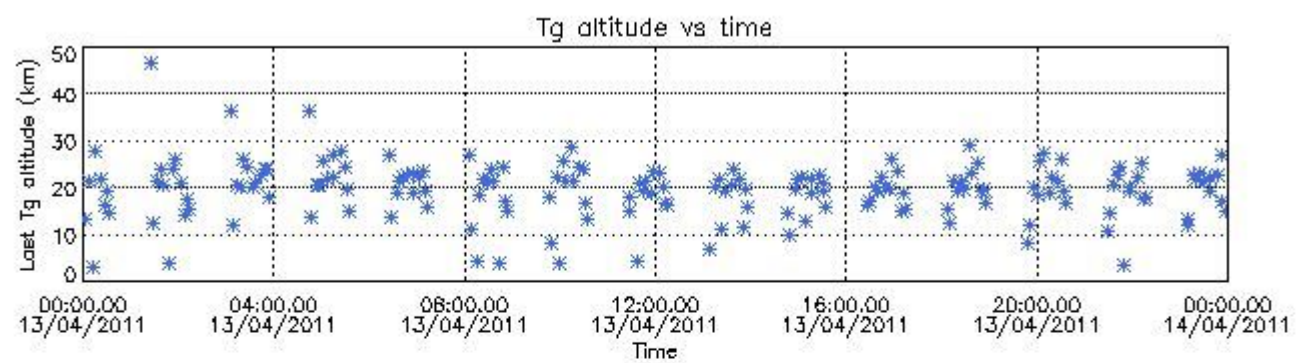
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

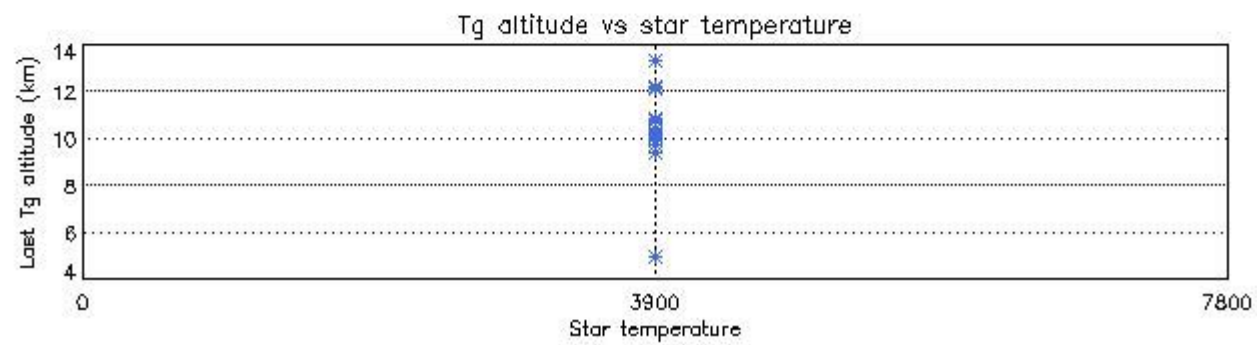
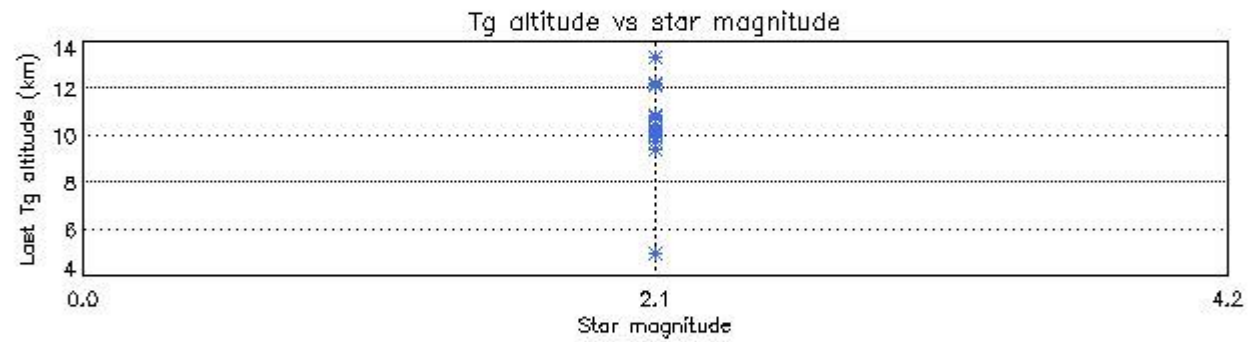
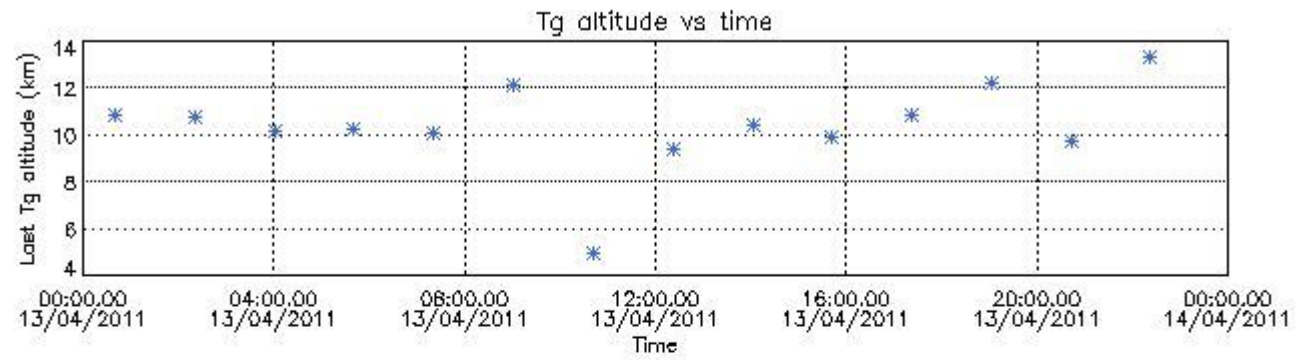
Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products



Tangent altitude at which the star is lost

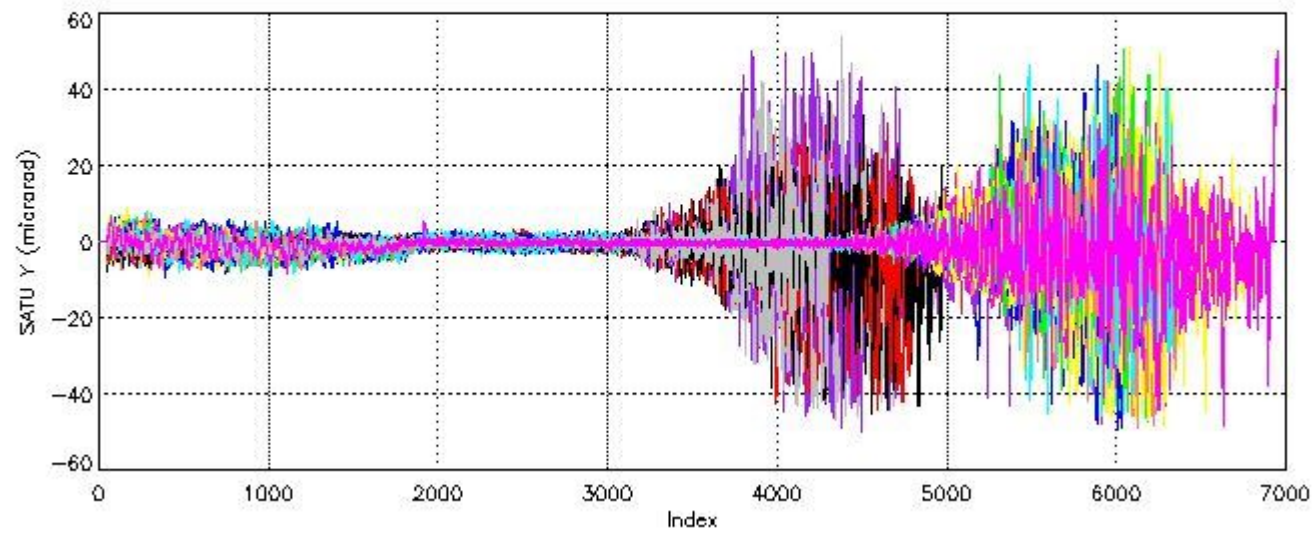
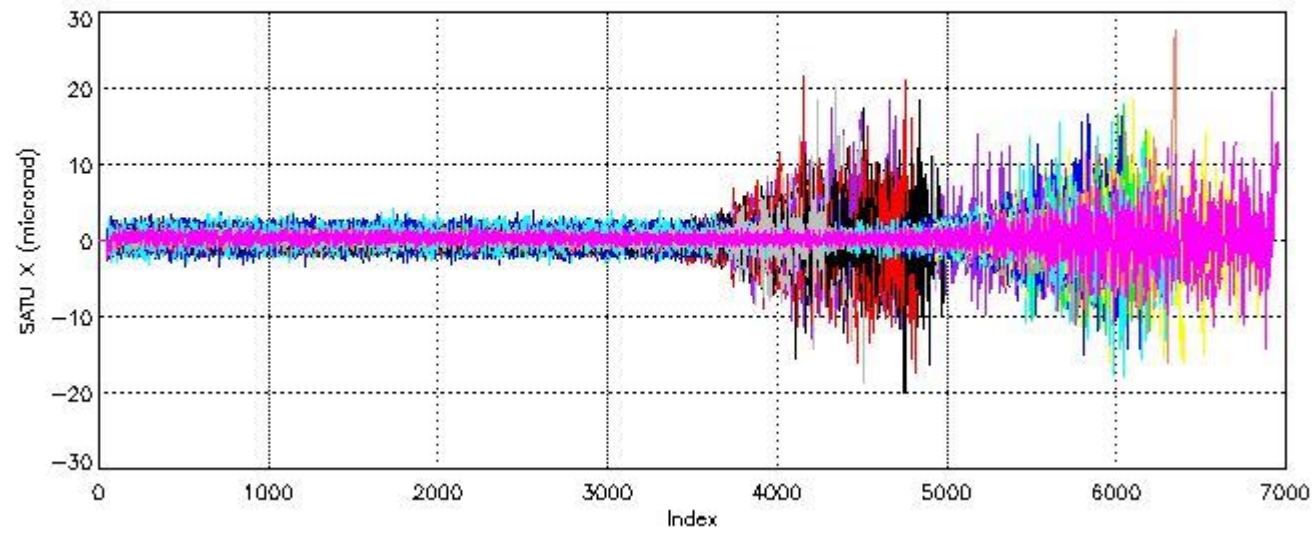


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.25904	-0.89437	0.29453	-1.1533
St. deviation:	0.61590	1.8193	0.80357	1.6387
Maximum:	3.7000	8.7000	7.0000	8.1000
Minimum:	-3.4000	-9.5000	-6.6000	-10.700

Number of data:	91550.	91550.	1.8985E+05	1.8985E+05
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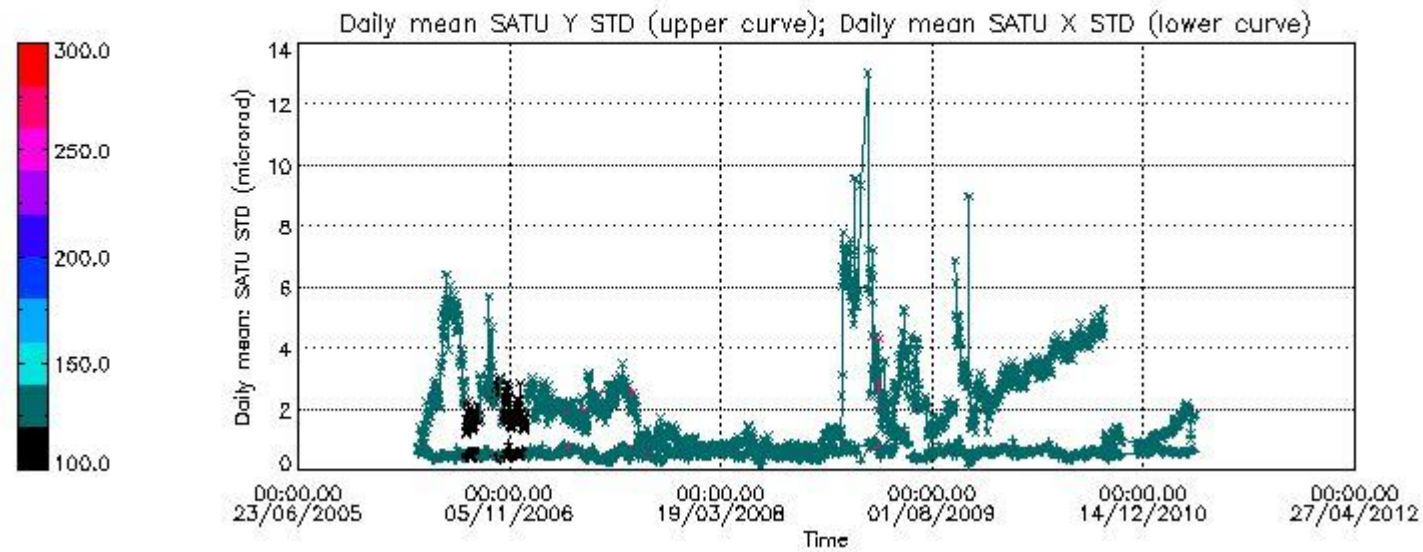
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

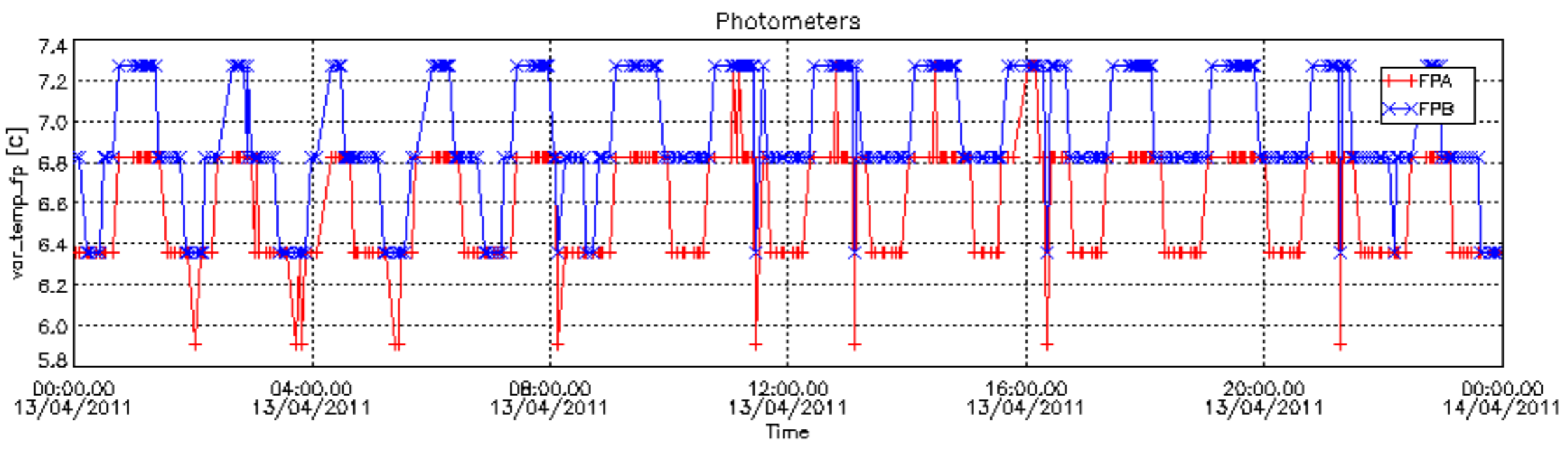
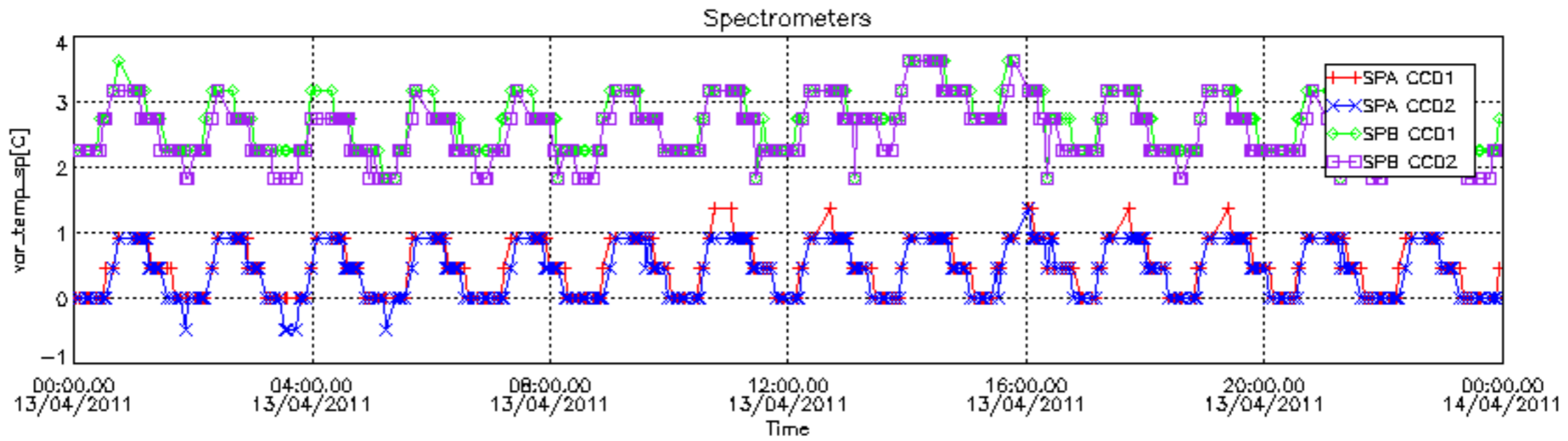
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	13-APR-2011 00:01:19
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110407_084842_20110406_000000_20500101_000000	1	13-APR-2011 00:01:19
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	13-APR-2011 00:01:19
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	13-APR-2011 00:01:19
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	13-APR-2011 00:01:19
ECMWF_FILE	AUX_ECF_AXNECM20110412_062210_20110412_210000_20110413_090000	1	13-APR-2011 00:01:19
ECMWF_FILE	AUX_ECF_AXNECM20110412_182417_20110413_030000_20110413_150000	51	13-APR-2011 03:43:07
ECMWF_FILE	AUX_ECA_AXNECM20110413_062113_20110412_210000_20110413_090000	74	13-APR-2011 05:23:21
ECMWF_FILE	AUX_ECF_AXNECM20110412_062210_20110412_210000_20110413_090000	97	13-APR-2011 07:03:35
ECMWF_FILE	AUX_ECF_AXNECM20110412_182417_20110413_030000_20110413_150000	113	13-APR-2011 08:07:25
ECMWF_FILE	AUX_ECF_AXNECM20110413_062114_20110413_090000_20110413_210000	137	13-APR-2011 09:54:32
ECMWF_FILE	AUX_ECF_AXNECM20110413_062114_20110413_150000_20110414_030000	225	13-APR-2011 16:20:08
ECMWF_FILE	AUX_ECA_AXNECM20110413_182116_20110413_090000_20110413_210000	248	13-APR-2011 18:00:22
ECMWF_FILE	AUX_ECF_AXNECM20110413_062114_20110413_150000_20110414_030000	270	13-APR-2011 19:38:13
ECMWF_FILE	AUX_ECF_AXNECM20110413_062115_20110413_210000_20110414_090000	292	13-APR-2011 21:16:52
OPTIONAL_ECMWF_FILE	MISSING	1	13-APR-2011 00:01:19
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110412_230505_000057383101_00245_47673_2896.N1	1	13-APR-2011 00:01:19
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110412_102415_20110411_185417_20110421_210806	11	13-APR-2011 01:00:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110413_022141_000041443101_00247_47675_2898.N1	33	13-APR-2011 02:24:31
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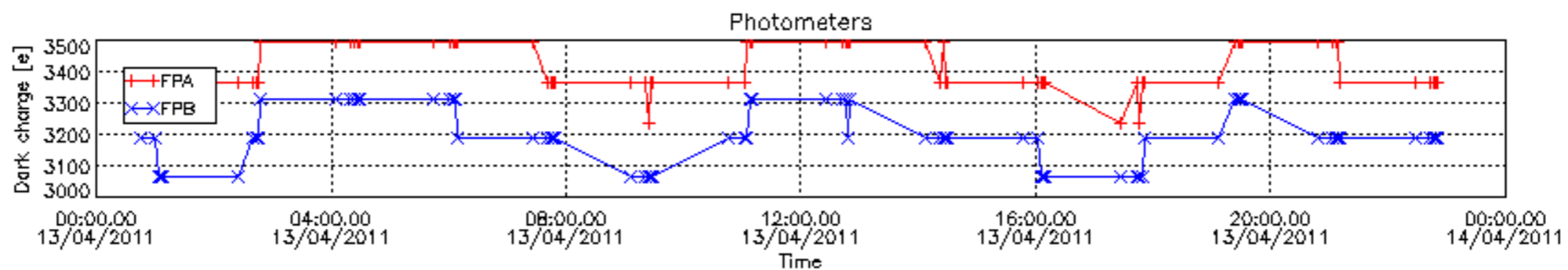
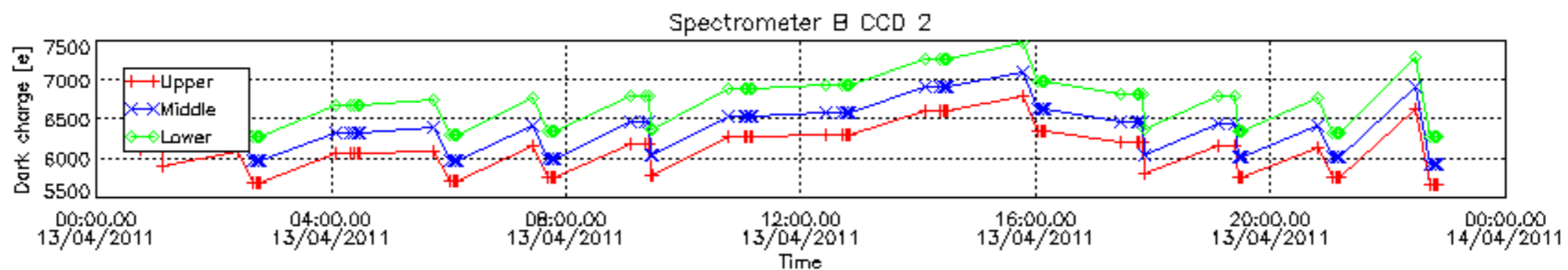
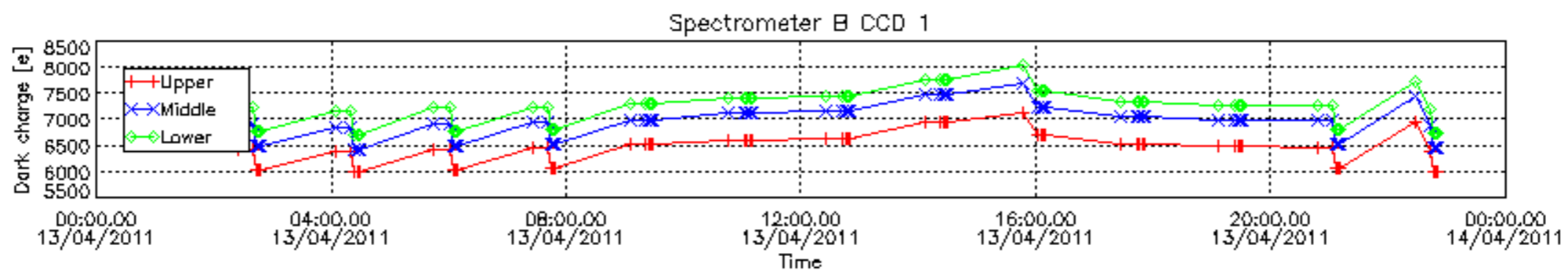
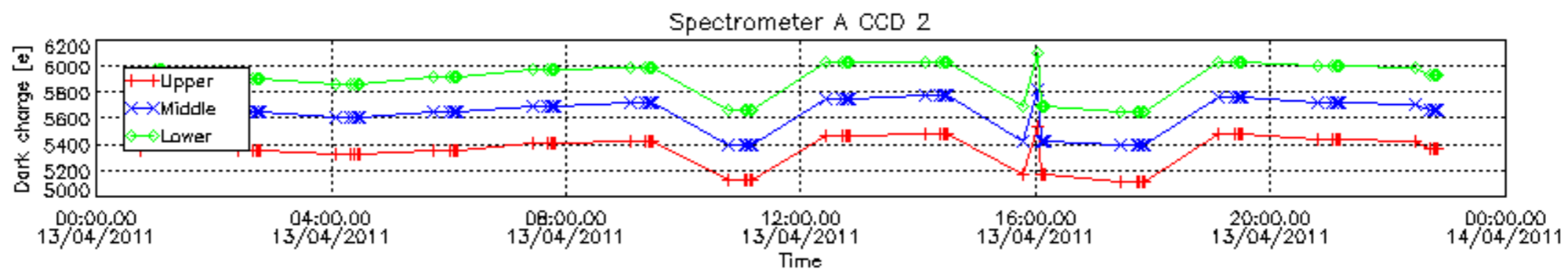
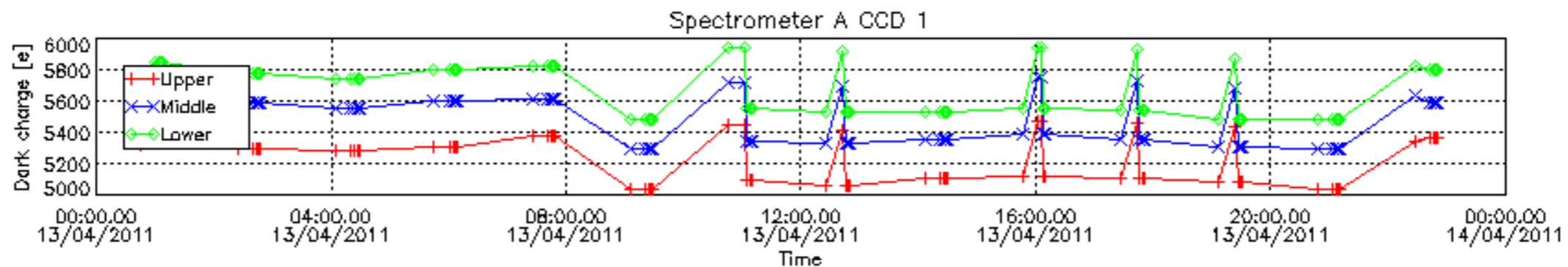


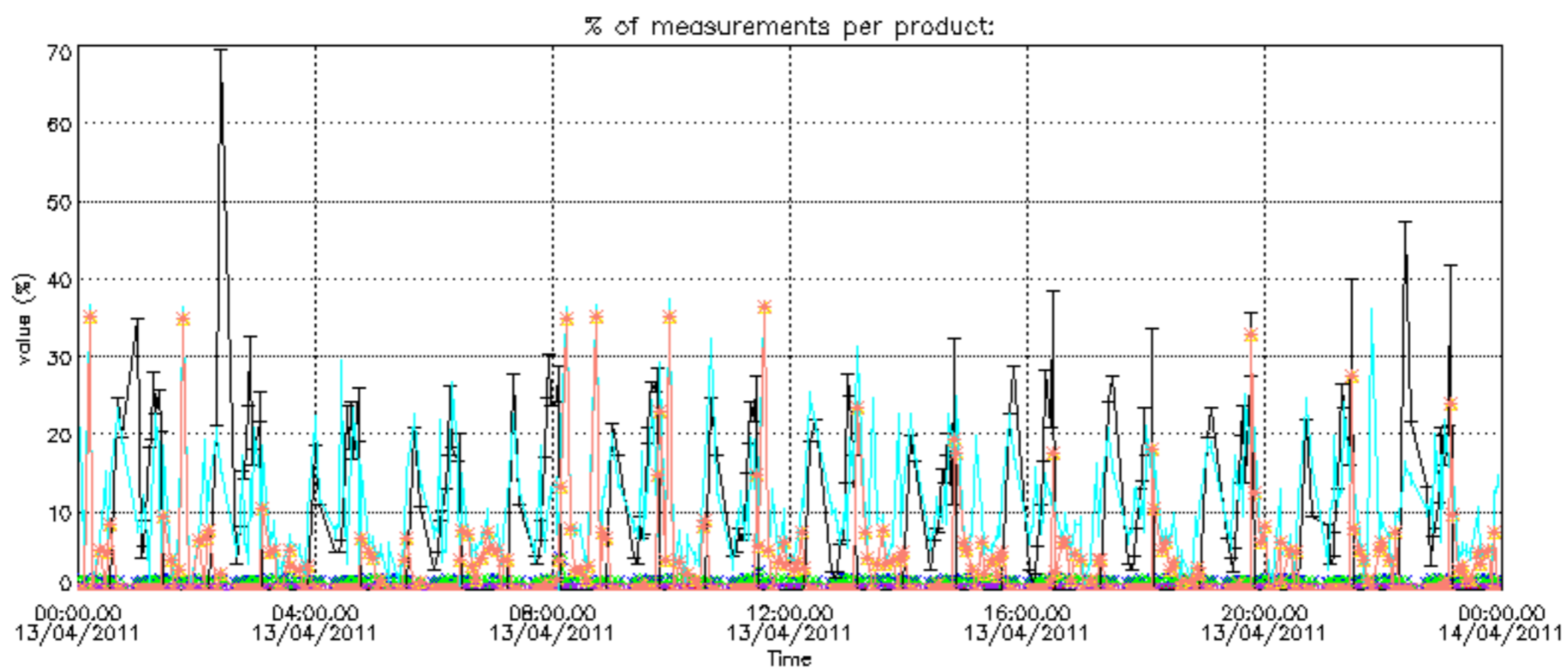
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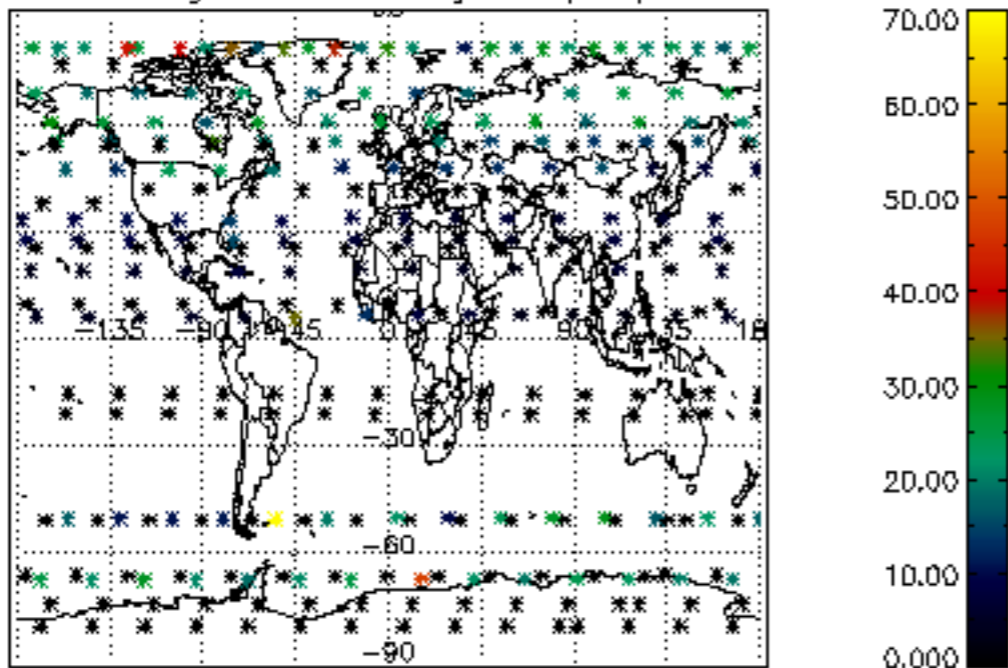




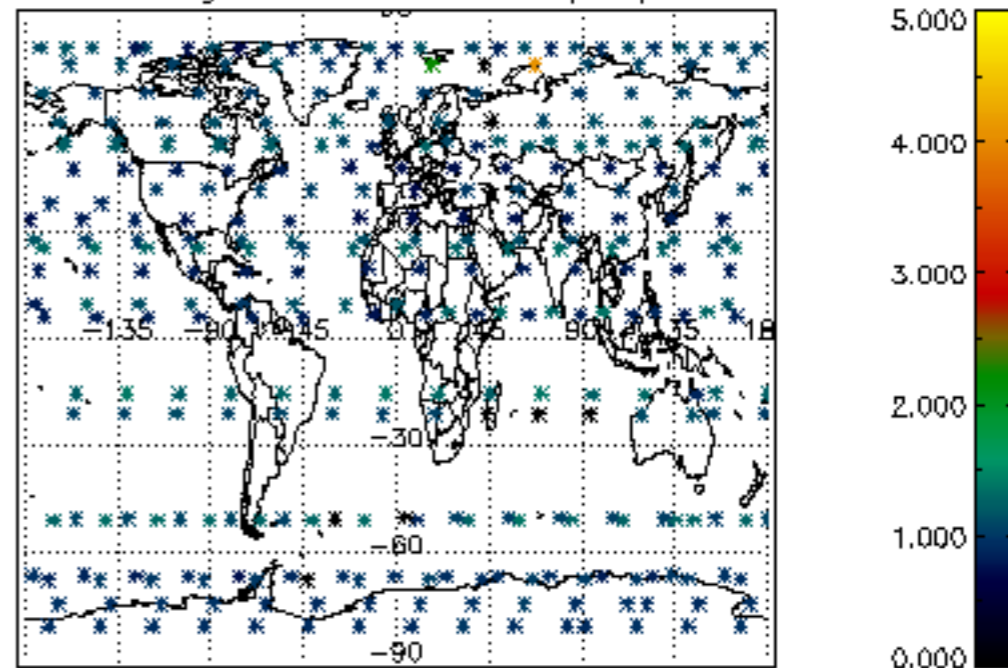




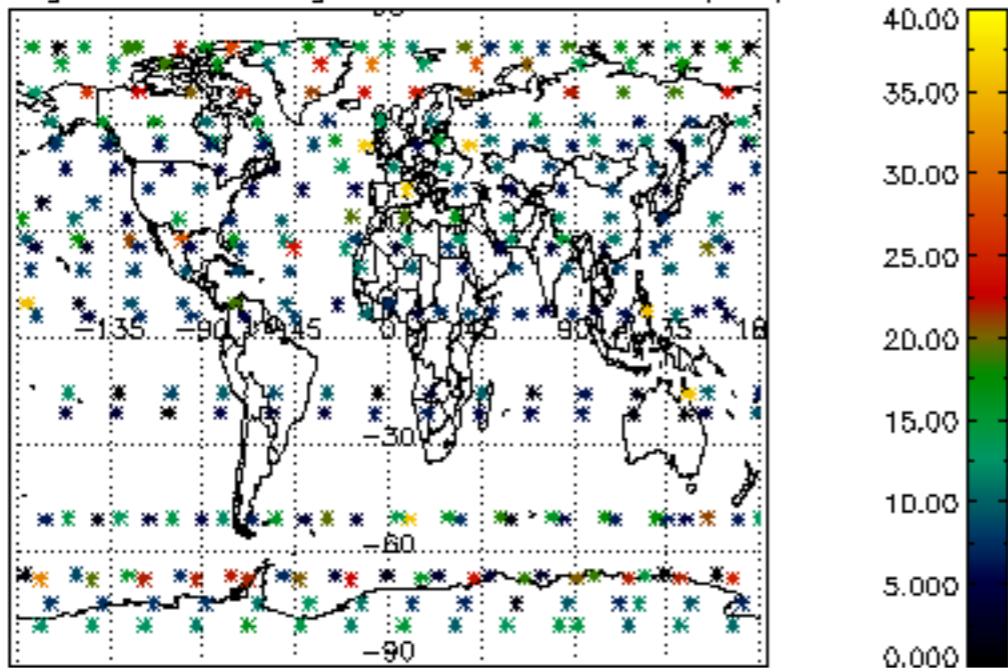
Percentage of cosmic ray hits per profile



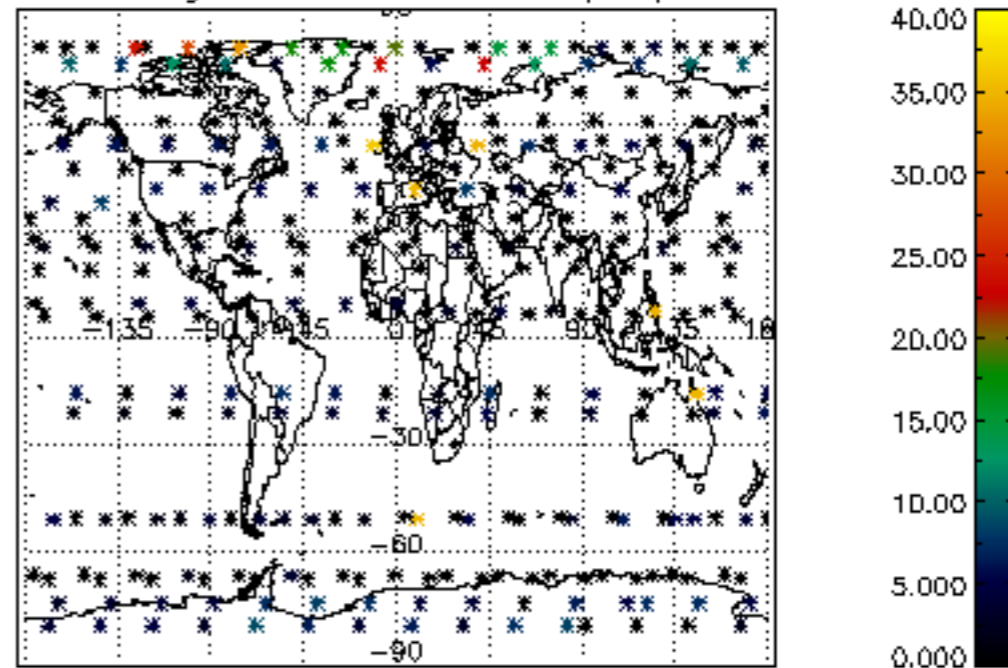
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

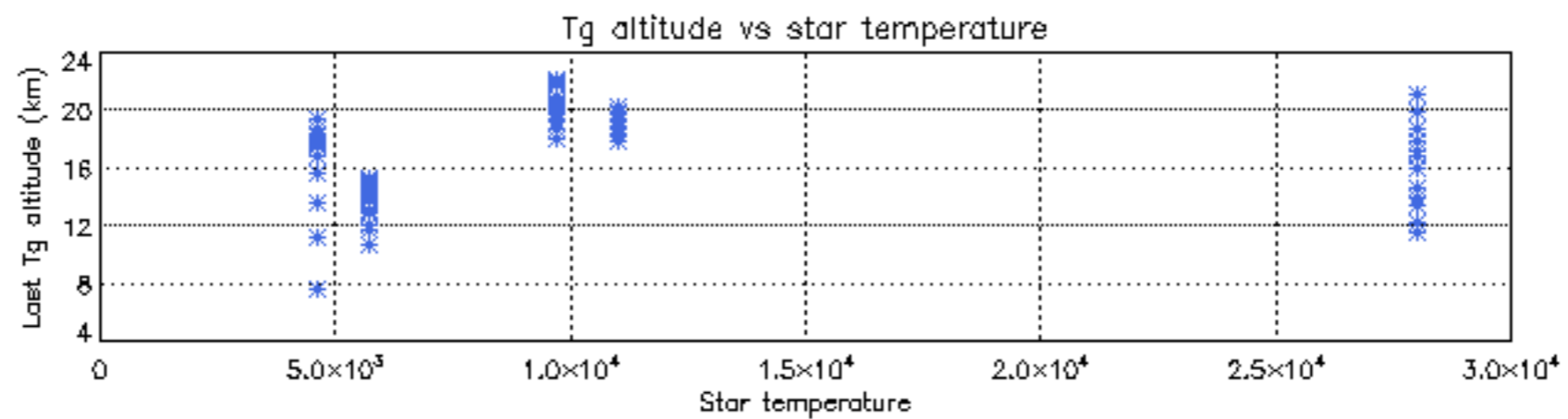
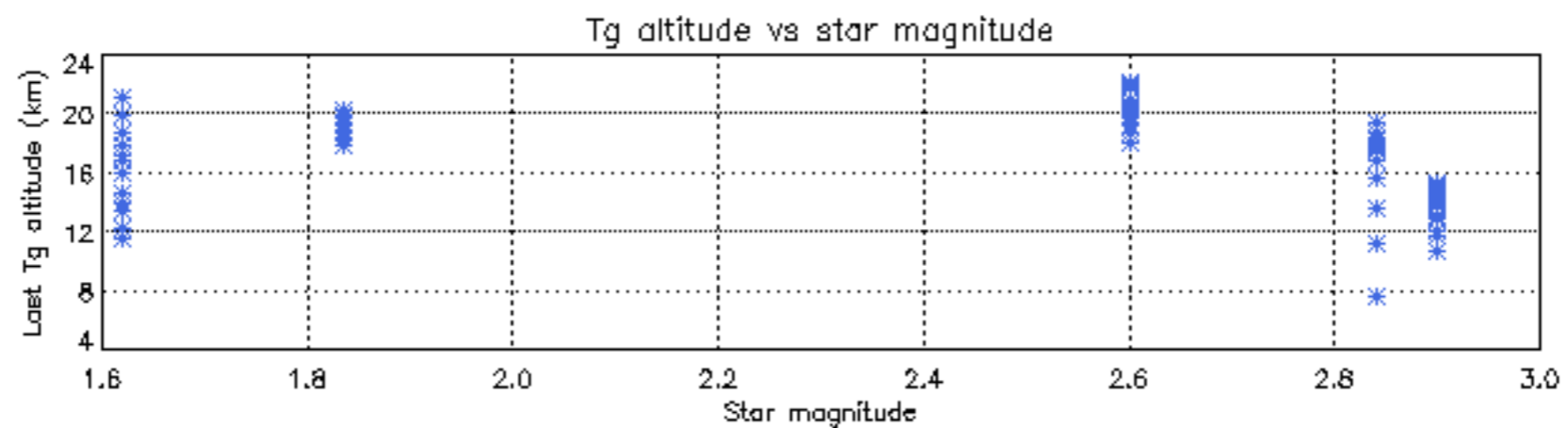
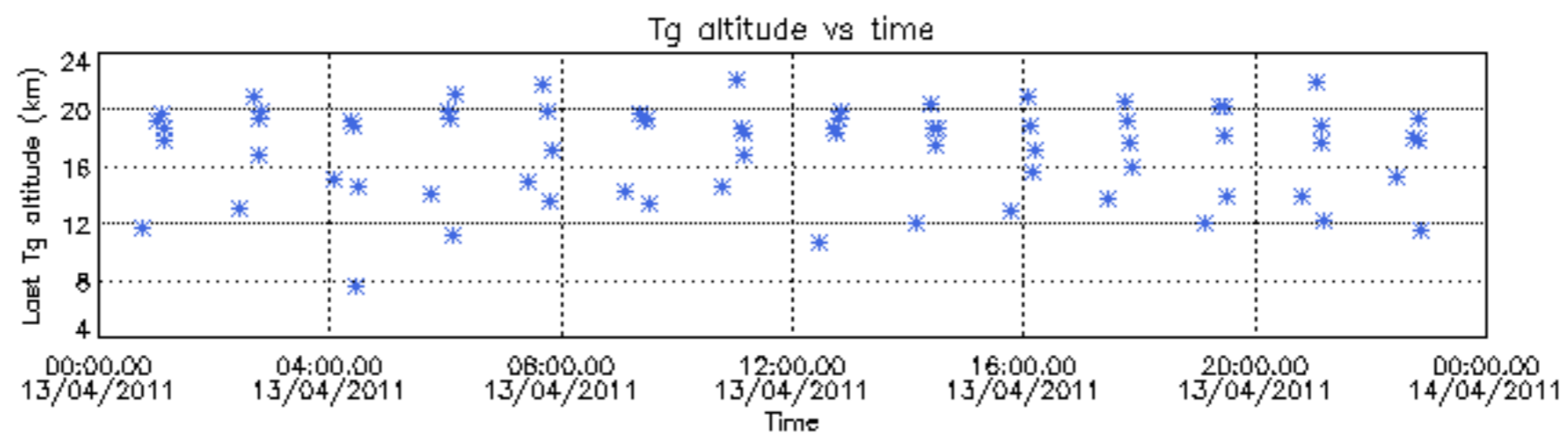


Percentage of saturation errors per profile

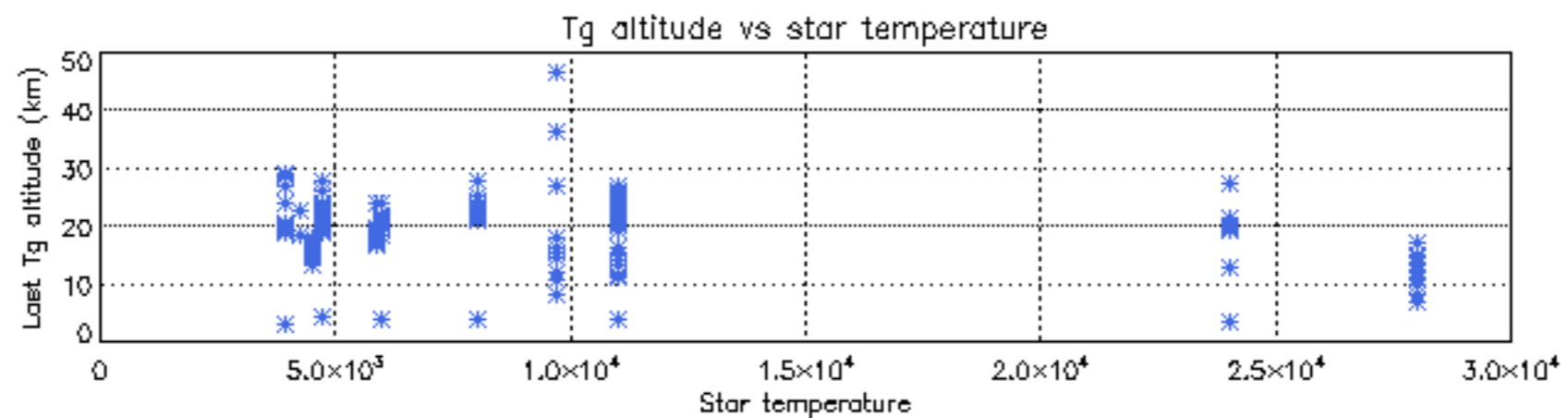
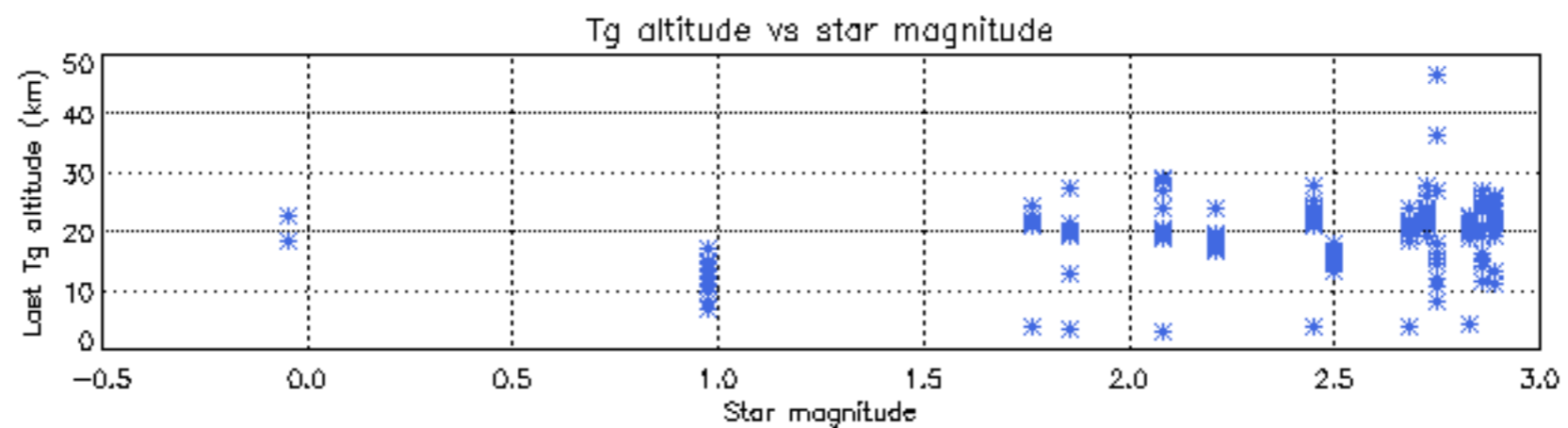
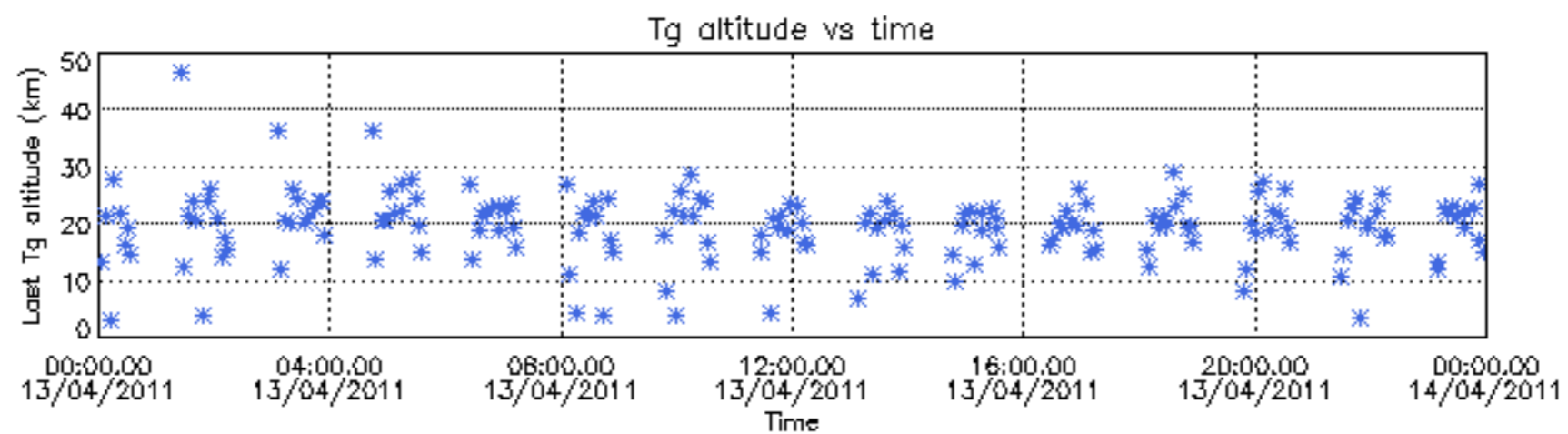




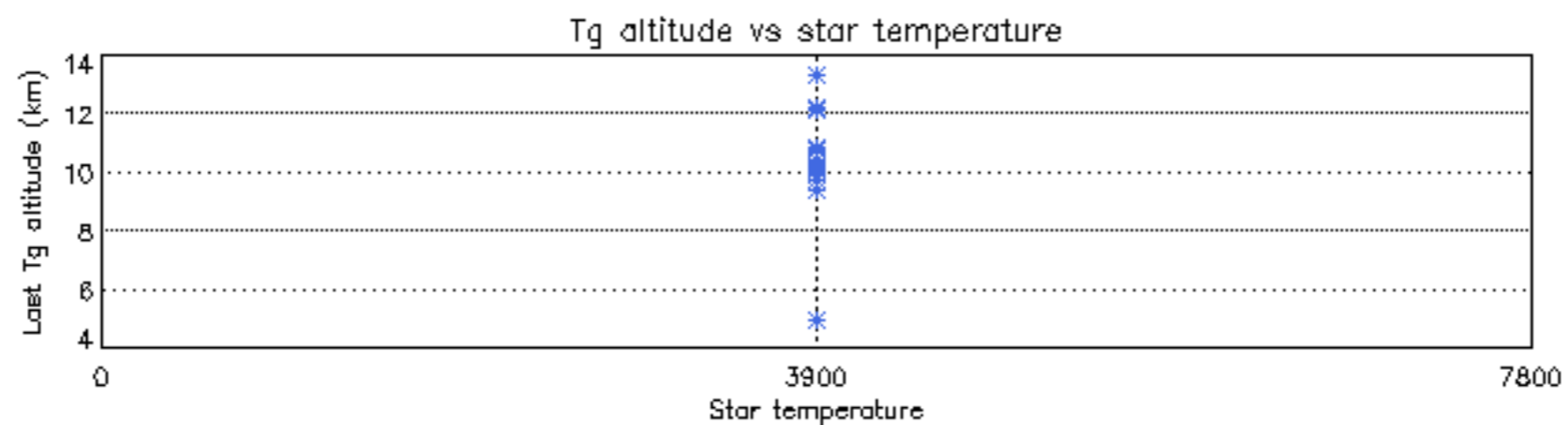
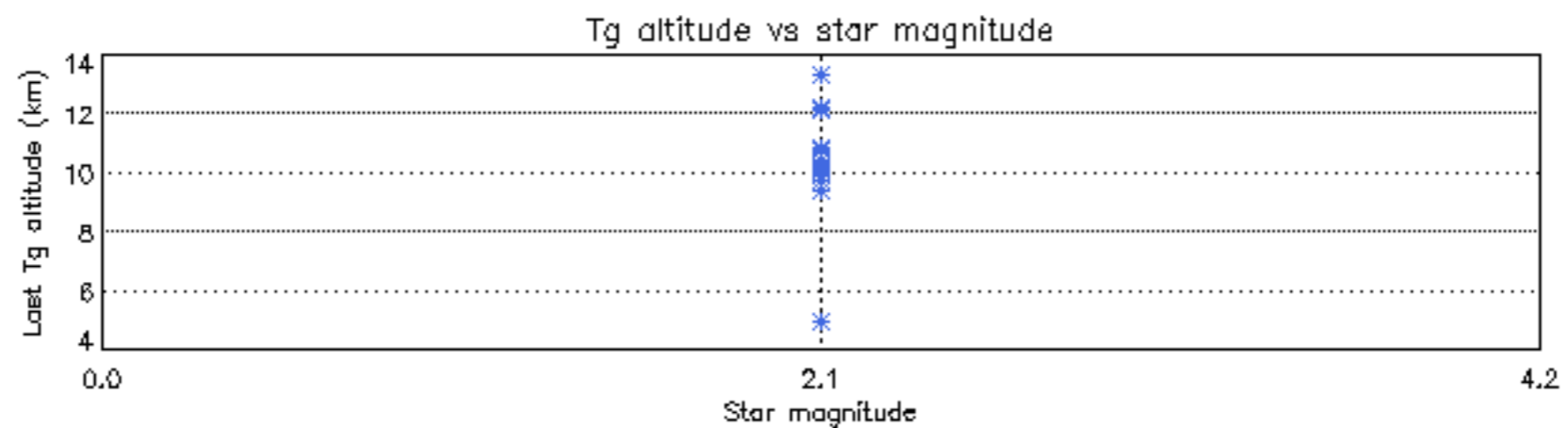
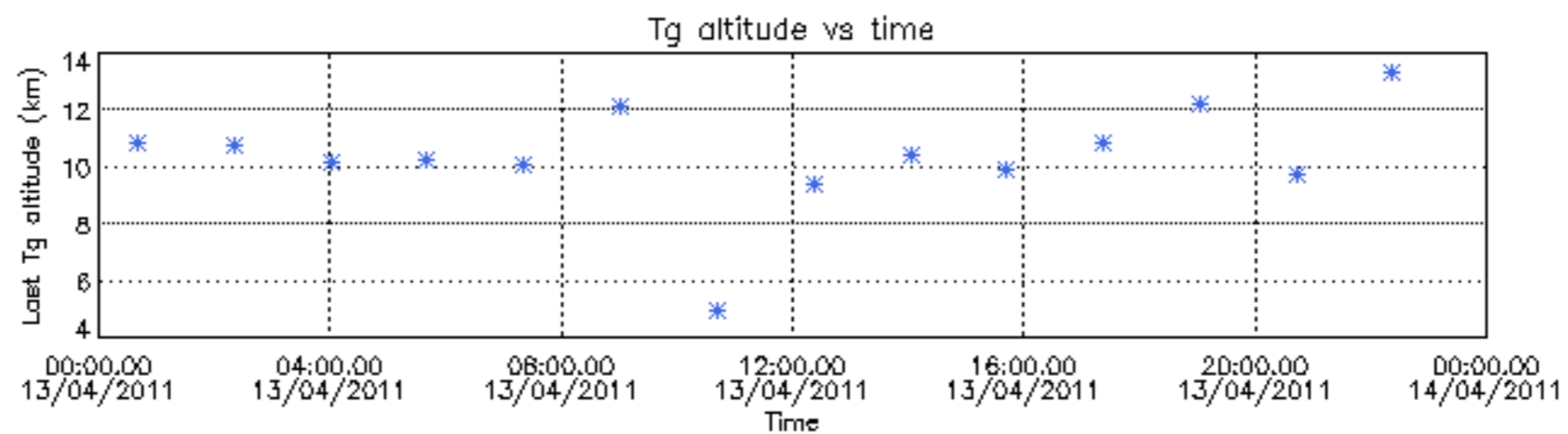
Tangent altitude at which the star is lost



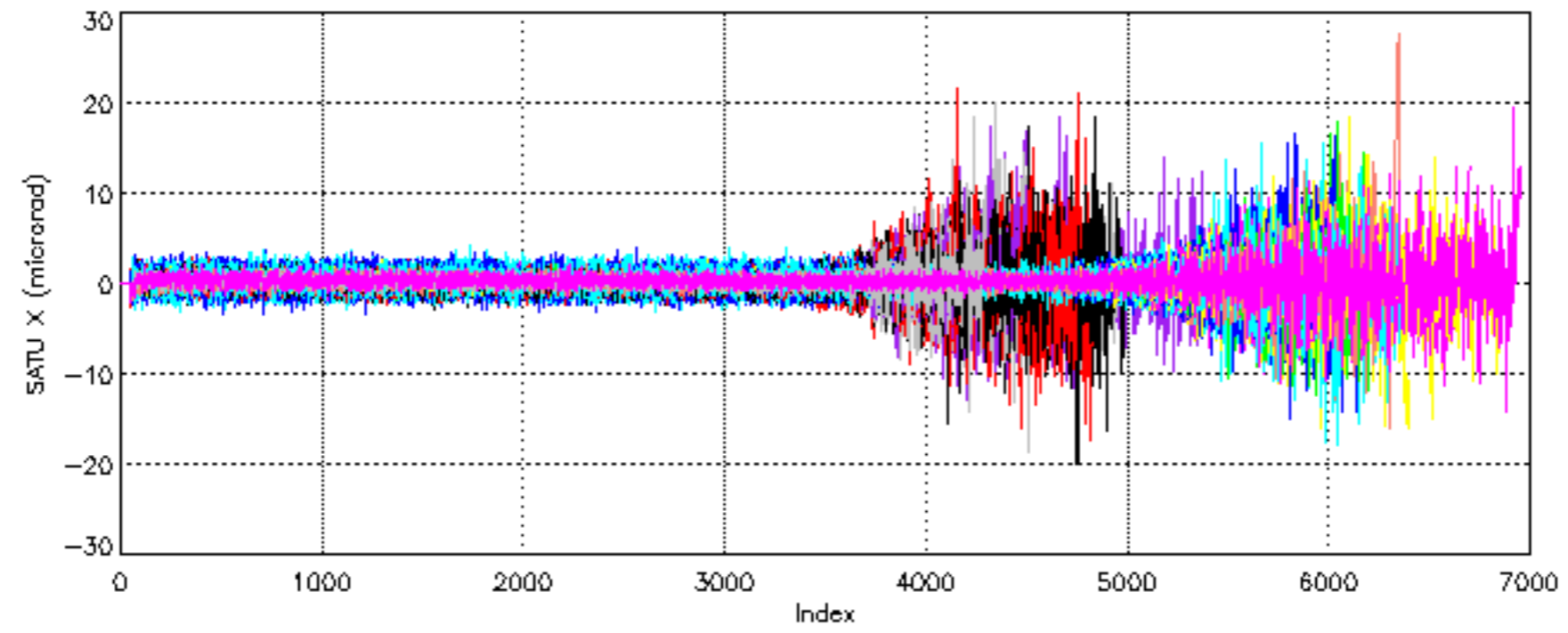
Tangent altitude at which the star is lost

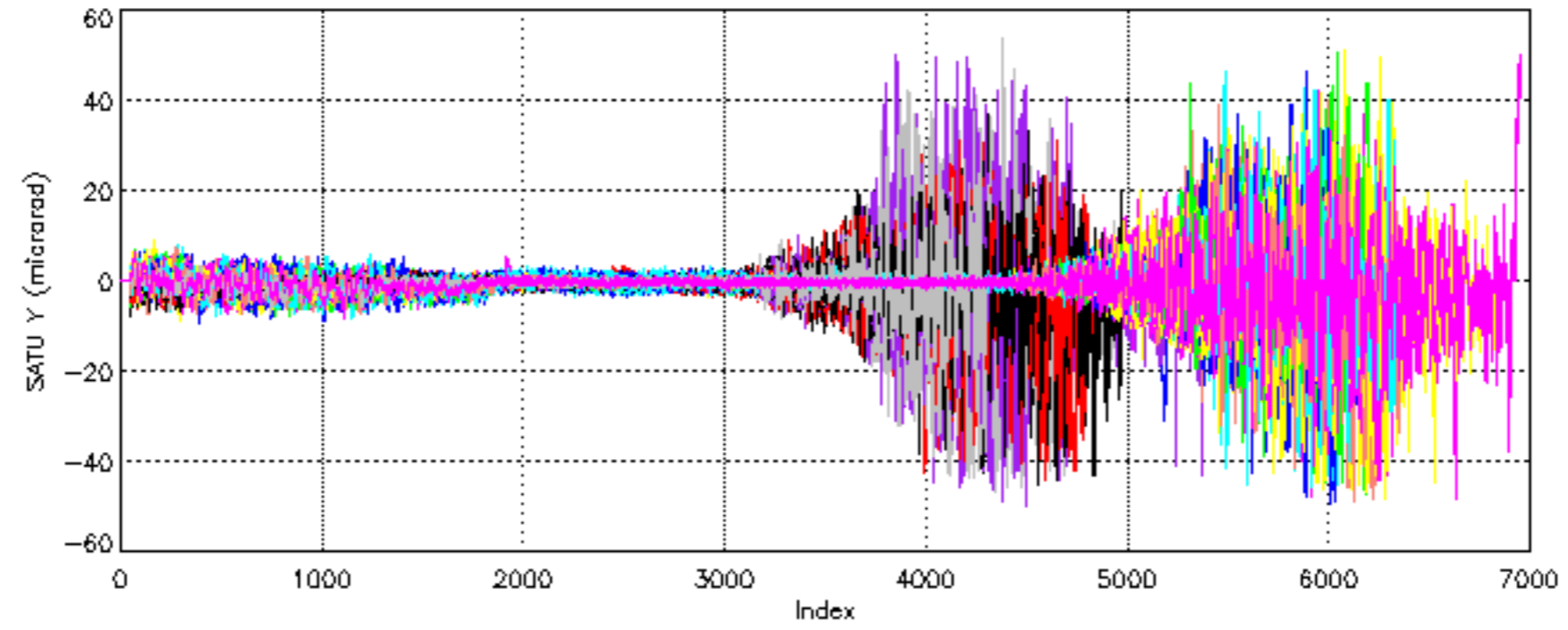


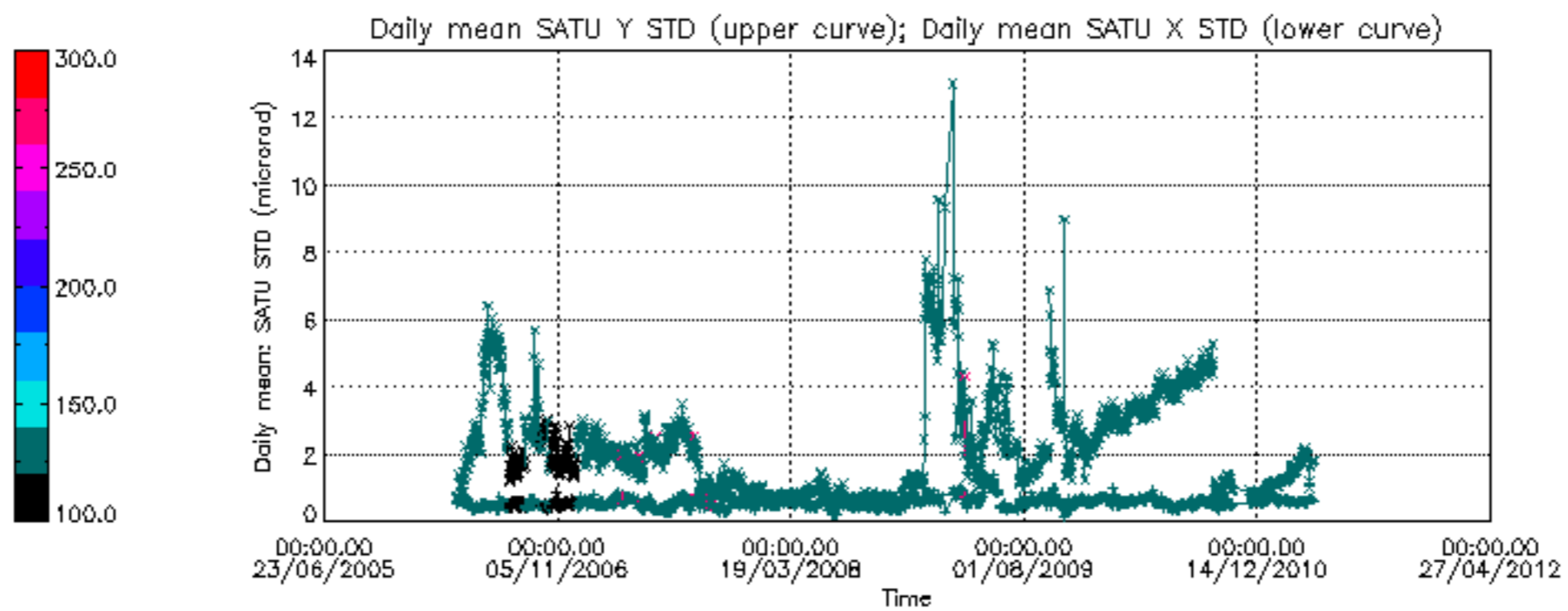
Tangent altitude at which the star is lost













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 12; 4172.3; 02-APR-2011 17:13:17; Bright; 70.0; 144; 18Del Cyg ; 2.86; 11000;occ; 140; 0;47526  
 13; 4290.4; 02-APR-2011 17:15:15; Bright; 45.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 90; 0;47526  
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 15; 4812.7; 02-APR-2011 17:23:57; Dark ; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;47526  
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 22; 6864.2; 02-APR-2011 17:58:09; Dark ; 44.0; 78; Alp Lup ; 2.30; 28000;occ; 88; 0;47527  
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 19; 4290.6; 03-APR-2011 01:36:25; Bright; 45.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 91; 0;47531



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14; 1108.7; 03-APR-2011 04:03:51; Dark ; 54.5; 54; 5The Cen ; 2.06; 4500;occ; 109; 0;47533
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17; 1675.3; 03-APR-2011 04:13:18; Dark ; 64.0; 15; 67Alp Vir ; 0.98; 28000;occ; 128; 0;47533
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19; 2144.4; 03-APR-2011 04:21:07; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;47533
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21; 2927.2; 03-APR-2011 04:34:10; Bright; 41.5; 32; 77Eps UMa ; 1.76; 11000;occ; 83; 0;47533
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9; 111.3; 03-APR-2011 05:27:28; Dark ; 56.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 113; 0;47534
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9; 2907.6; 06-APR-2011 19:25:58; Bright; 38.5; 32; 77Eps UMa ; 1.76; 11000;occ; 77; 0;47585
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11; 3426.4; 06-APR-2011 19:34:36; Bright; 46.5; 119; 14Eta Dra ; 2.73; 4700;occ; 93; 0;47585
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14; 4288.5; 06-APR-2011 19:48:58; Bright; 49.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 98; 0;47585
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 9; 1591.3; 07-APR-2011 01:44:57; Dark ; 43.0; 163; 7Del Crv ; 2.94; 11000;occ; 86; 0;47589  
 10; 1675.7; 07-APR-2011 01:46:21; Bright; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;47589  
 11; 1863.4; 07-APR-2011 01:49:29; Bright; 41.0; 121; 29Gam Vir ; 2.74; 7200;occ; 82; 0;47589  
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 17; 3423.6; 07-APR-2011 02:15:29; Bright; 49.5; 119; 14Eta Dra ; 2.73; 4700;occ; 99; 0;47589  
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 22; 4832.3; 07-APR-2011 02:38:58; Dark ; 48.5; 61; 8Eps Peg ; 2.10; 3900;occ; 97; 0;47589  
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 27; 6454.5; 07-APR-2011 03:06:00; Dark ; 65.5; 25; 35Lam Sco ; 1.62; 28000;occ; 131; 0;47590

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 30; 7149.3; 07-APR-2011 03:17:35; Dark ; 52.5; 54; 5The Cen ; 2.06; 4500;occ; 105; 0;47590  
 31; 7481.6; 07-APR-2011 03:23:07; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;47590

32; 7605.6; 07-APR-2011 03:25:11; Dark ; 43.5; 163; 7Del Crv ; 2.94; 11000;occ; 87; 0;47590  
 33; 7689.8; 07-APR-2011 03:26:36; Bright; 55.0; 15; 67Alp Vir ; 0.98; 28000;occ; 110; 0;47590  
 34; 7877.4; 07-APR-2011 03:29:43; Bright; 40.5; 121; 29Gam Vir ; 2.74; 7200;occ; 81; 0;47590  
 35; 8127.1; 07-APR-2011 03:33:53; Bright; 42.0; 138; 47Eps Vir ; 2.83; 4700;occ; 84; 0;47590  
 36; 8628.3; 07-APR-2011 03:42:14; Bright; 41.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 83; 0;47590  
 37; 8829.0; 07-APR-2011 03:45:35; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;47590  
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2; 2268.8; 18-APR-2011 11:54:30; Bright; 65.0; 111; 8Eta Boo ; 2.68; 6000;occ; 130; 0;47753
3; 2564.6; 18-APR-2011 11:59:25; Bright; 81.0; 83; ; 2.38; 11000;occ; 162; 0;47753
4; 2725.0; 18-APR-2011 12:02:06; Bright; 61.5; 180; 27Gam Boo ; 3.04; 8000;occ; 123; 0;47753
5; 2871.2; 18-APR-2011 12:04:32; Bright; 40.5; 55; 79Zet UMa ; 2.06; 10200;occ; 81; 0;47753
6; 3242.1; 18-APR-2011 12:10:43; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;47753
7; 3850.4; 18-APR-2011 12:20:51; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;47753
8; 4107.0; 18-APR-2011 12:25:08; Bright; 56.0; 144; 18Del Cyg ; 2.86; 11000;occ; 112; 0;47753
9; 4272.6; 18-APR-2011 12:27:53; Bright; 79.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 158; 0;47753
10; 4435.0; 18-APR-2011 12:30:36; Bright; 62.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 124; 0;47753
11; 4897.9; 18-APR-2011 12:38:19; Dark ; 58.0; 61; 8Eps Peg ; 2.10; 3900;occ; 116; 0;47753
12; 5045.8; 18-APR-2011 12:40:47; Dark ; 46.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 92; 0;47753
13; 5212.9; 18-APR-2011 12:43:34; Dark ; 53.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 106; 0;47753
14; 5352.7; 18-APR-2011 12:45:53; Dark ; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;47753
15; 5964.3; 18-APR-2011 12:56:05; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;47753
16; 6240.1; 18-APR-2011 13:00:41; Dark ; 66.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 132; 0;47754
17; 6445.9; 18-APR-2011 13:04:07; Dark ; 62.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 124; 0;47754
18; 6572.7; 18-APR-2011 13:06:13; Dark ; 55.5; 178; Iot1Sco ; 3.02; 6550;occ; 111; 0;47754
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22; 7242.6; 18-APR-2011 13:17:23; Dark ; 63.0; 158; 6Pi Sco ; 2.91; 28000;occ; 126; 0;47754
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6; 3242.1; 18-APR-2011 13:50:57; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;47754
7; 3850.1; 18-APR-2011 14:01:05; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;47754
8; 4106.6; 18-APR-2011 14:05:21; Bright; 52.0; 144; 18Del Cyg ; 2.86; 11000;occ; 104; 0;47754
9; 4272.4; 18-APR-2011 14:08:07; Bright; 55.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 111; 0;47754
10; 4435.4; 18-APR-2011 14:10:50; Bright; 61.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 123; 0;47754
11; 4898.5; 18-APR-2011 14:18:33; Dark ; 57.0; 61; 8Eps Peg ; 2.10; 3900;occ; 114; 0;47754
12; 5046.5; 18-APR-2011 14:21:01; Dark ; 46.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 93; 0;47754
13; 5213.9; 18-APR-2011 14:23:49; Dark ; 48.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 96; 0;47754
14; 5353.4; 18-APR-2011 14:26:08; Dark ; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;47754
15; 5965.6; 18-APR-2011 14:36:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47754
16; 6241.8; 18-APR-2011 14:40:57; Dark ; 64.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 128; 0;47755
17; 6447.4; 18-APR-2011 14:44:22; Dark ; 65.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 130; 0;47755
18; 6573.8; 18-APR-2011 14:46:29; Dark ; 56.0; 178; Iot1Sco ; 3.02; 6550;occ; 112; 0;47755
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20; 6896.8; 18-APR-2011 14:51:52; Dark ; 66.5; 75; 26Eps Sco ; 2.29; 4250;occ; 133; 0;47755
21; 7021.4; 18-APR-2011 14:53:56; Dark ; 43.0; 109; Bet Lup ; 2.68; 26000;occ; 86; 0;47755
22; 7243.5; 18-APR-2011 14:57:38; Dark ; 62.0; 158; 6Pi Sco ; 2.91; 28000;occ; 124; 0;47755

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3;	2562.6;	18-APR-2011	15:19:51;	Bright;	;	52.5;	83;		;	2.38;	11000;occ;	105;	0;	47755
4;	2723.4;	18-APR-2011	15:22:32;	Bright;	;	46.0;	180;	27Gam Boo	;	3.04;	8000;occ;	92;	0;	47755
5;	2870.8;	18-APR-2011	15:24:59;	Bright;	;	39.0;	55;	79Zet UMa	;	2.06;	10200;occ;	78;	0;	47755
6;	3241.9;	18-APR-2011	15:31:11;	Bright;	;	38.5;	60;	7Bet UMi	;	2.08;	3950;occ;	77;	0;	47755
7;	3850.1;	18-APR-2011	15:41:19;	Bright;	;	39.0;	89;	5Alp Cep	;	2.45;	8000;occ;	78;	0;	47755
8;	4106.2;	18-APR-2011	15:45:35;	Bright;	;	52.0;	144;	18Del Cyg	;	2.86;	11000;occ;	104;	0;	47755
9;	4272.2;	18-APR-2011	15:48:21;	Bright;	;	57.5;	66;	37Gam Cyg	;	2.21;	5900;occ;	115;	0;	47755
10;	4435.5;	18-APR-2011	15:51:04;	Bright;	;	58.5;	92;	53Eps Cyg	;	2.50;	4500;occ;	117;	0;	47755
11;	4899.1;	18-APR-2011	15:58:48;	Dark	;	51.0;	61;	8Eps Peg	;	2.10;	3900;occ;	102;	0;	47755
12;	5047.0;	18-APR-2011	16:01:16;	Dark	;	46.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	93;	0;	47755
13;	5214.8;	18-APR-2011	16:04:03;	Dark	;	51.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	102;	0;	47755
14;	5354.0;	18-APR-2011	16:06:23;	Dark	;	41.5;	142;	49Del Cap	;	2.85;	8900;occ;	83;	0;	47755
15;	5966.9;	18-APR-2011	16:16:36;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;	47755
16;	6243.7;	18-APR-2011	16:21:12;	Dark	;	66.0;	103;	38Zet Sgr	;	2.60;	9700;occ;	132;	0;	47756
17;	6448.9;	18-APR-2011	16:24:38;	Dark	;	66.0;	38;	20Eps Sgr	;	1.84;	11000;occ;	132;	0;	47756
18;	6575.3;	18-APR-2011	16:26:44;	Dark	;	55.0;	178;	Iot1Sco	;	3.02;	6550;occ;	110;	0;	47756
19;	6671.2;	18-APR-2011	16:28:20;	Dark	;	66.0;	25;	35Lam Sco	;	1.62;	28000;occ;	132;	0;	47756
20;	6897.7;	18-APR-2011	16:32:06;	Dark	;	68.0;	75;	26Eps Sco	;	2.29;	4250;occ;	136;	0;	47756
21;	7021.8;	18-APR-2011	16:34:10;	Dark	;	42.5;	109;	Bet Lup	;	2.68;	26000;occ;	85;	0;	47756
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2;	1561.1;	18-APR-2011	16:43:24;	Dark	;	57.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	114;	0;	47756
3;	2267.6;	18-APR-2011	16:55:10;	Bright;	;	45.0;	111;	8Eta Boo	;	2.68;	6000;occ;	90;	0;	47756
4;	2561.7;	18-APR-2011	17:00:04;	Bright;	;	56.0;	83;		;	2.38;	11000;occ;	112;	0;	47756
5;	2722.6;	18-APR-2011	17:02:45;	Bright;	;	47.5;	180;	27Gam Boo	;	3.04;	8000;occ;	95;	0;	47756
6;	2870.4;	18-APR-2011	17:05:13;	Bright;	;	38.0;	55;	79Zet UMa	;	2.06;	10200;occ;	76;	0;	47756
7;	3241.3;	18-APR-2011	17:11:24;	Bright;	;	41.0;	60;	7Bet UMi	;	2.08;	3950;occ;	82;	0;	47756
8;	3849.7;	18-APR-2011	17:21:32;	Bright;	;	40.0;	89;	5Alp Cep	;	2.45;	8000;occ;	80;	0;	47756
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11;	4435.4;	18-APR-2011	17:31:18;	Dark	;	64.0;	92;	53Eps Cyg	;	2.50;	4500;occ;	128;	0;	47756
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13;	5047.4;	18-APR-2011	17:41:30;	Dark	;	46.0;	162;	34Alp Aqr	;	2.94;	5350;occ;	92;	0;	47756
14;	5215.4;	18-APR-2011	17:44:18;	Dark	;	53.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	106;	0;	47756
15;	5354.7;	18-APR-2011	17:46:37;	Dark	;	46.0;	142;	49Del Cap	;	2.85;	8900;occ;	92;	0;	47756
16;	5968.1;	18-APR-2011	17:56:51;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	47756
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19;	6576.4;	18-APR-2011	18:06:59;	Dark	;	58.0;	178;	Iot1Sco	;	3.02;	6550;occ;	116;	0;	47757
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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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2;	1561.1;	18-APR-2011	18:23:38;	Dark	;	61.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	123;	0;	47757
3;	2267.1;	18-APR-2011	18:35:24;	Bright;	;	45.0;	111;	8Eta Boo	;	2.68;	6000;occ;	90;	0;	47757
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5;	2721.8;	18-APR-2011	18:42:59;	Bright;	;	45.0;	180;	27Gam Boo	;	3.04;	8000;occ;	90;	0;	47757
6;	2870.2;	18-APR-2011	18:45:27;	Bright;	;	38.0;	55;	79Zet UMa	;	2.06;	10200;occ;	76;	0;	47757
7;	3241.0;	18-APR-2011	18:51:38;	Bright;	;	39.5;	60;	7Bet UMi	;	2.08;	3950;occ;	79;	0;	47757
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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11;	4435.4;	18-APR-2011	19:11:32;	Dark	;	64.0;	92;	53Eps Cyg	;	2.50;	4500;occ;	128;	0;	47757
12;	4900.1;	18-APR-2011	19:19:17;	Dark	;	53.0;	61;	8Eps Peg	;	2.10;	3900;occ;	106;	0;	47757
13;	5048.0;	18-APR-2011	19:21:45;	Dark	;	46.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	93;	0;	47757
14;	5215.8;	18-APR-2011	19:24:33;	Dark	;	50.5;	154;	22Bet Aqr	;	2.90;	5700;occ;	101;	0;	47757
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16;	5969.3;	18-APR-2011	19:37:06;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;	47757
17;	6246.9;	18-APR-2011	19:41:44;	Dark	;	64.0;	103;	38Zet Sgr	;	2.60;	9700;occ;	128;	0;	47758
18;	6451.9;	18-APR-2011	19:45:09;	Dark	;	65.5;	38;	20Eps Sgr	;	1.84;	11000;occ;	131;	0;	47758
19;	6577.6;	18-APR-2011	19:47:14;	Dark	;	55.5;	178;	Iot1Sco	;	3.02;	6550;occ;	111;	0;	47758
20;	6673.8;	18-APR-2011	19:48:51;	Dark	;	62.5;	25;	35Lam Sco	;	1.62;	28000;occ;	125;	0;	47758
21;	6899.8;	18-APR-2011	19:52:37;	Dark	;	67.5;	75;	26Eps Sco	;	2.29;	4250;occ;	135;	0;	47758



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