

# GOMOS Daily Report 22-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	24APR2011 07:02:08
Data source version	GOMOS/5.01
Start time of products	22APR2011 00:02:19
Stop time of products	22APR2011 23:57:28
Store outputs in DB	Yes
Nb of level 1b prods	295
Nb of prods with errors	4

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

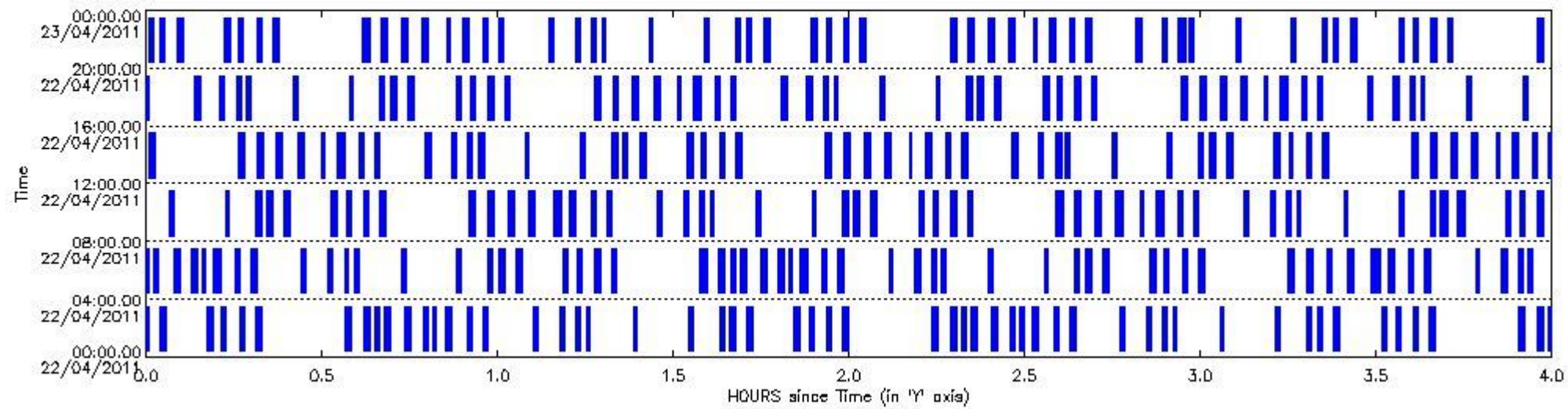
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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_1PNPDE20110422_000219_000000683101_00375_47803_7285.N1	22-APR-2011 00:02:19	Twilight_stray	67.500	92	53Eps Cyg	2.5000	4500.0	135	47803	No
2	GOM_TRA_1PNPDE20110422_001024_000000563101_00375_47803_7286.N1	22-APR-2011 00:10:24	Dark	55.500	61	8Eps Peg	2.1000	3900.0	111	47803	No
3	GOM_TRA_1PNPDE20110422_001252_000000483101_00375_47803_7287.N1	22-APR-2011 00:12:52	Dark	48.000	162	34Alp Aqr	2.9440	5350.0	96	47803	No
4	GOM_TRA_1PNPDE20110422_001552_000000503101_00375_47803_7288.N1	22-APR-2011 00:15:52	Dark	50.000	154	22Bet Aqr	2.8990	5700.0	100	47803	No
5	GOM_TRA_1PNPDE20110422_003347_000000683101_00376_47804_7290.N1	22-APR-2011 00:33:47	Dark	67.500	103	38Zet Sgr	2.6000	9700.0	135	47804	No
6	GOM_TRA_1PNPDE20110422_003701_000000683101_00376_47804_7291.N1	22-APR-2011 00:37:01	Dark	68.000	38	20Eps Sgr	1.8360	11000.	136	47804	No
7	GOM_TRA_1PNPDE20110422_003858_000000553101_00376_47804_7292.N1	22-APR-2011 00:38:58	Straylight	54.500	40	The Sco	1.8590	7100.0	109	47804	No
8	GOM_TRA_1PNPDE20110422_004038_000000603101_00376_47804_7293.N1	22-APR-2011 00:40:38	Straylight	60.000	115	34Ups Sco	2.6960	26000.	120	47804	No
9	GOM_TRA_1PNPDE20110422_004405_000000643101_00376_47804_7294.N1	22-APR-2011 00:44:05	Straylight	63.500	75	26Eps Sco	2.2910	4250.0	127	47804	No
10	GOM_TRA_1PNPDE20110422_004710_000000593101_00376_47804_7295.N1	22-APR-2011 00:47:10	Straylight	59.000	136	23Tau Sco	2.8220	30000.	118	47804	No
11	GOM_TRA_1PNPDE20110422_004858_000000343101_00376_47804_7296.N1	22-APR-2011 00:48:58	Twilight_stray	34.000	156	20Sig Sco	2.9030	28000.	68	47804	No
12	GOM_TRA_1PNPDE20110422_005059_000000663101_00376_47804_7297.N1	22-APR-2011 00:50:59	Twilight_stray	66.000	80	7Del Sco	2.3160	30000.	132	47804	No

13	GOM_TRA_1PNPDE20110422_005440_000000513101_00376_47804_7298.N1	22-APR-2011 00:54:40	Bright	50.500	122	9Alp2Lib	2.7470	9700.0	101	47804	No
14	GOM_TRA_1PNPDE20110422_005722_000000583101_00376_47804_7299.N1	22-APR-2011 00:57:22	Bright	57.500	104	27Bet Lib	2.6140	13100.	115	47804	No
15	GOM_TRA_1PNPDE20110422_010604_000000433101_00376_47804_7300.N1	22-APR-2011 01:06:04	Bright	43.000	111	8Eta Boo	2.6800	6000.0	86	47804	No
16	GOM_TRA_1PNPDE20110422_011034_000000533101_00376_47804_7301.N1	22-APR-2011 01:10:34	Bright	52.500	83		2.3780	11000.	105	47804	No
17	GOM_TRA_1PNPDE20110422_011322_000000463101_00376_47804_7302.N1	22-APR-2011 01:13:22	Bright	46.000	180	27Gam Boo	3.0400	8000.0	92	47804	No
18	GOM_TRA_1PNPDE20110422_011505_000000393101_00376_47804_7303.N1	22-APR-2011 01:15:05	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	47804	No
19	GOM_TRA_1PNPDE20110422_012305_000000443101_00376_47804_7304.N1	22-APR-2011 01:23:05	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	47804	No
20	GOM_TRA_1PNPDE20110422_013234_000000413101_00376_47804_7305.N1	22-APR-2011 01:32:34	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	47804	No
21	GOM_TRA_1PNPDE20110422_013748_000000533101_00376_47804_7306.N1	22-APR-2011 01:37:48	Bright	52.500	19	50Alp Cyg	1.2460	10500.	105	47804	No
22	GOM_TRA_1PNPDE20110422_013938_000000603101_00376_47804_7307.N1	22-APR-2011 01:39:38	Bright	60.000	66	37Gam Cyg	2.2080	5900.0	120	47804	No
23	GOM_TRA_1PNPDE20110422_014233_000000673101_00376_47804_7308.N1	22-APR-2011 01:42:33	Twilight	67.000	92	53Eps Cyg	2.5000	4500.0	134	47804	No
24	GOM_TRA_1PNPDE20110422_015039_000000553101_00376_47804_7309.N1	22-APR-2011 01:50:39	Dark	55.000	61	8Eps Peg	2.1000	3900.0	110	47804	No
25	GOM_TRA_1PNPDE20110422_015307_000000493101_00376_47804_7310.N1	22-APR-2011 01:53:07	Dark	49.000	162	34Alp Aqr	2.9440	5350.0	98	47804	No
26	GOM_TRA_1PNPDE20110422_015607_000000553101_00376_47804_7311.N1	22-APR-2011 01:56:07	Dark	55.000	154	22Bet Aqr	2.8990	5700.0	110	47804	No
27	GOM_TRA_1PNPDE20110422_021403_000000683101_00377_47805_7312.N1	22-APR-2011 02:14:03	Dark	68.000	103	38Zet Sgr	2.6000	9700.0	136	47805	No
28	GOM_TRA_1PNPDE20110422_021716_000000663101_00377_47805_7313.N1	22-APR-2011 02:17:16	Dark	65.500	38	20Eps Sgr	1.8360	11000.	131	47805	No
29	GOM_TRA_1PNPDE20110422_021913_000000543101_00377_47805_7314.N1	22-APR-2011 02:19:13	Straylight	53.500	40	The Sco	1.8590	7100.0	107	47805	No
30	GOM_TRA_1PNPDE20110422_022053_000000583101_00377_47805_7315.N1	22-APR-2011 02:20:53	Straylight	58.000	115	34Ups Sco	2.6960	26000.	116	47805	No
31	GOM_TRA_1PNPDE20110422_022420_000000623101_00377_47805_7316.N1	22-APR-2011 02:24:20	Straylight	62.000	75	26Eps Sco	2.2910	4250.0	124	47805	No
32	GOM_TRA_1PNPDE20110422_022725_000000593101_00377_47805_7317.N1	22-APR-2011 02:27:25	Straylight	59.000	136	23Tau Sco	2.8220	30000.	118	47805	No
33	GOM_TRA_1PNPDE20110422_022913_000000343101_00377_47805_7318.N1	22-APR-2011 02:29:13	Twilight	34.000	156	20Sig Sco	2.9030	28000.	68	47805	No
34	GOM_TRA_1PNPDE20110422_023114_000000663101_00377_47805_7319.N1	22-APR-2011 02:31:14	Twilight	66.000	80	7Del Sco	2.3160	30000.	132	47805	No
35	GOM_TRA_1PNPDE20110422_023454_000000503101_00377_47805_7320.N1	22-APR-2011 02:34:54	Bright	50.000	122	9Alp2Lib	2.7470	9700.0	100	47805	No
36	GOM_TRA_1PNPDE20110422_023736_000000763101_00377_47805_7321.N1	22-APR-2011 02:37:36	Bright	76.000	104	27Bet Lib	2.6140	13100.	152	47805	No
37	GOM_TRA_1PNPDE20110422_024618_000000423101_00377_47805_7322.N1	22-APR-2011 02:46:18	Bright	42.000	111	8Eta Boo	2.6800	6000.0	84	47805	No
38	GOM_TRA_1PNPDE20110422_025047_000000553101_00377_47805_7323.N1	22-APR-2011 02:50:47	Bright	54.500	83		2.3780	11000.	109	47805	No
39	GOM_TRA_1PNPDE20110422_025336_000000443101_00377_47805_7324.N1	22-APR-2011 02:53:36	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	47805	No
40	GOM_TRA_1PNPDE20110422_025518_000000393101_00377_47805_7325.N1	22-APR-2011 02:55:18	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	47805	No
41	GOM_TRA_1PNPDE20110422_030318_000000453101_00377_47805_7326.N1	22-APR-2011 03:03:18	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	47805	No
42	GOM_TRA_1PNPDE20110422_031248_000000413101_00377_47805_7347.N1	22-APR-2011 03:12:48	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	47805	No
43	GOM_TRA_1PNPDE20110422_031801_000000523101_00377_47805_7348.N1	22-APR-2011 03:18:01	Bright	52.000	19	50Alp Cyg	1.2460	10500.	104	47805	No
44	GOM_TRA_1PNPDE20110422_031952_000000613101_00377_47805_7349.N1	22-APR-2011 03:19:52	Bright	60.500	66	37Gam Cyg	2.2080	5900.0	121	47805	No
45	GOM_TRA_1PNPDE20110422_032247_000000633101_00377_47805_7350.N1	22-APR-2011 03:22:47	Twilight	63.000	92	53Eps Cyg	2.5000	4500.0	126	47805	No
46	GOM_TRA_1PNPDE20110422_033053_000000553101_00377_47805_7351.N1	22-APR-2011 03:30:53	Dark	55.000	61	8Eps Peg	2.1000	3900.0	110	47805	No
47	GOM_TRA_1PNPDE20110422_033322_000000523101_00377_47805_7352.N1	22-APR-2011 03:33:22	Dark	52.000	162	34Alp Aqr	2.9440	5350.0	104	47805	No
48	GOM_TRA_1PNPDE20110422_033622_000000513101_00377_47805_7353.N1	22-APR-2011 03:36:22	Dark	50.500	154	22Bet Aqr	2.8990	5700.0	101	47805	No
49	GOM_TRA_1PNPDE20110422_035418_000000683101_00378_47806_7354.N1	22-APR-2011 03:54:18	Dark	68.000	103	38Zet Sgr	2.6000	9700.0	136	47806	No
50	GOM_TRA_1PNPDE20110422_035732_000000663101_00378_47806_7355.N1	22-APR-2011 03:57:32	Dark	65.500	38	20Eps Sgr	1.8360	11000.	131	47806	No
51	GOM_TRA_1PNPDE20110422_035928_000000593101_00378_47806_7356.N1	22-APR-2011 03:59:28	Straylight	58.500	40	The Sco	1.8590	7100.0	117	47806	No
52	GOM_TRA_1PNPDE20110422_040108_000000603101_00378_47806_7357.N1	22-APR-2011 04:01:08	Straylight	59.500	115	34Ups Sco	2.6960	26000.	119	47806	No
53	GOM_TRA_1PNPDE20110422_040435_000000663101_00378_47806_7358.N1	22-APR-2011 04:04:35	Straylight	65.500	75	26Eps Sco	2.2910	4250.0	131	47806	No
54	GOM_TRA_1PNPDE20110422_040740_000000613101_00378_47806_7359.N1	22-APR-2011 04:07:40	Straylight	61.000	136	23Tau Sco	2.8220	30000.	122	47806	No
55	GOM_TRA_1PNPDE20110422_040927_000000373101_00378_47806_7360.N1	22-APR-2011 04:09:27	Twilight	37.000	156	20Sig Sco	2.9030	28000.	74	47806	No
56	GOM_TRA_1PNPDE20110422_041128_000000703101_00378_47806_7361.N1	22-APR-2011 04:11:28	Twilight	70.000	80	7Del Sco	2.3160	30000.	140	47806	No
57	GOM_TRA_1PNPDE20110422_041509_000000513101_00378_47806_7362.N1	22-APR-2011 04:15:09	Bright	51.000	122	9Alp2Lib	2.7470	9700.0	102	47806	No
58	GOM_TRA_1PNPDE20110422_041750_000000573101_00378_47806_7363.N1	22-APR-2011 04:17:50	Bright	57.000	104	27Bet Lib	2.6140	13100.	114	47806	No
59	GOM_TRA_1PNPDE20110422_042631_000000433101_00378_47806_7364.N1	22-APR-2011 04:26:31	Bright	43.000	111	8Eta Boo	2.6800	6000.0	86	47806	No
60	GOM_TRA_1PNPDE20110422_043100_000000533101_00378_47806_7365.N1	22-APR-2011 04:31:00	Bright	52.500	83		2.3780	11000.	105	47806	No
61	GOM_TRA_1PNPDE20110422_043349_000000463101_00378_47806_7366.N1	22-APR-2011 04:33:49	Bright	45.500	180	27Gam Boo	3.0400	8000.0	91	47806	No
62	GOM_TRA_1PNPDE20110422_043532_000000463101_00378_47806_7367.N1	22-APR-2011 04:35:32	Bright	45.500	39	85Eta UMa	1.8540	24000.	91	47806	No
63	GOM_TRA_1PNPDE20110422_044332_000000453101_00378_47806_7368.N1	22-APR-2011 04:43:32	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	47806	No
64	GOM_TRA_1PNPDE20110422_045302_000000393101_00378_47806_7370.N1	22-APR-2011 04:53:02	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	47806	No
65	GOM_TRA_1PNPDE20110422_045815_000000513101_00378_47806_7371.N1	22-APR-2011 04:58:15	Bright	51.000	19	50Alp Cyg	1.2460	10500.	102	47806	No
66	GOM_TRA_1PNPDE20110422_050006_000000653101_00378_47806_7372.N1	22-APR-2011 05:00:06	Bright	65.000	66	37Gam Cyg	2.2080	5900.0	130	47806	No
67	GOM_TRA_1PNPDE20110422_050302_000000633101_00378_47806_7373.N1	22-APR-2011 05:03:02	Twilight	63.000	92	53Eps Cyg	2.5000	4500.0	126	47806	No
68	GOM_TRA_1PNPDE20110422_051108_000000553101_00378_47806_7374.N1	22-APR-2011 05:11:08	Dark	55.000	61	8Eps Peg	2.1000	3900.0	110	47806	No
69	GOM_TRA_1PNPDE20110422_051336_000000493101_00378_47806_7375.N1	22-APR-2011 05:13:36	Dark	49.000	162	34Alp Aqr	2.9440	5350.0	98	47806	No
70	GOM_TRA_1PNPDE20110422_051637_000000563101_00378_47806_7376.N1	22-APR-2011 05:16:37	Dark	56.000	154	22Bet Aqr	2.8990	5700.0	112	47806	No
71	GOM_TRA_1PNPDE20110422_053434_000000673101_00379_47807_7377.N1	22-APR-2011 05:34:34	Dark	66.500	103	38Zet Sgr	2.6000	9700.0	133	47807	No



72	GOM_TRA_1PNPDE20110422_053748_000000633101_00379_47807_7378.N1	22-APR-2011 05:37:48	Dark	63.000	38	20Eps Sgr	1.8360	11000.	126	47807	No
73	GOM_TRA_1PNPDE20110422_053943_000000613101_00379_47807_7379.N1	22-APR-2011 05:39:43	Straylight	60.500	40	The Sco	1.8590	7100.0	121	47807	No
74	GOM_TRA_1PNPDE20110422_054123_000000593101_00379_47807_7380.N1	22-APR-2011 05:41:23	Straylight	58.500	115	34Ups Sco	2.6960	26000.	117	47807	No
75	GOM_TRA_1PNPDE20110422_054450_000000633101_00379_47807_7381.N1	22-APR-2011 05:44:50	Straylight	63.000	75	26Eps Sco	2.2910	4250.0	126	47807	No
76	GOM_TRA_1PNPDE20110422_054754_000000613101_00379_47807_7382.N1	22-APR-2011 05:47:54	Straylight	61.000	136	23Tau Sco	2.8220	30000.	122	47807	No
77	GOM_TRA_1PNPDE20110422_054942_000000373101_00379_47807_7383.N1	22-APR-2011 05:49:42	Tw_i_and_stray	37.000	156	20Sig Sco	2.9030	28000.	74	47807	No
78	GOM_TRA_1PNPDE20110422_055143_000000703101_00379_47807_7384.N1	22-APR-2011 05:51:43	Tw_i_and_stray	70.000	80	7Del Sco	2.3160	30000.	140	47807	No
79	GOM_TRA_1PNPDE20110422_055523_000000523101_00379_47807_7385.N1	22-APR-2011 05:55:23	Bright	51.500	122	9Alp2Lib	2.7470	9700.0	103	47807	No
80	GOM_TRA_1PNPDE20110422_055804_000000573101_00379_47807_7386.N1	22-APR-2011 05:58:04	Bright	57.000	104	27Bet Lib	2.6140	13100.	114	47807	No
81	GOM_TRA_1PNPDE20110422_060645_000000433101_00379_47807_7387.N1	22-APR-2011 06:06:45	Bright	42.500	111	8Eta Boo	2.6800	6000.0	85	47807	No
82	GOM_TRA_1PNPDE20110422_061113_000000533101_00379_47807_7388.N1	22-APR-2011 06:11:13	Bright	53.000	83		2.3780	11000.	106	47807	No
83	GOM_TRA_1PNPDE20110422_061403_000000563101_00379_47807_7389.N1	22-APR-2011 06:14:03	Bright	56.000	180	27Gam Boo	3.0400	8000.0	112	47807	No
84	GOM_TRA_1PNPDE20110422_061546_000000383101_00379_47807_7390.N1	22-APR-2011 06:15:46	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	47807	No
85	GOM_TRA_1PNPDE20110422_062345_000000473101_00379_47807_7391.N1	22-APR-2011 06:23:45	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	47807	No
86	GOM_TRA_1PNPDK20110422_063316_000000393101_00379_47807_7238.N1	22-APR-2011 06:33:16	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47807	No
87	GOM_TRA_1PNPDK20110422_063829_000000543101_00379_47807_7239.N1	22-APR-2011 06:38:29	Bright	54.000	19	50Alp Cyg	1.2460	10500.	108	47807	No
88	GOM_TRA_1PNPDK20110422_064020_000000643101_00379_47807_7240.N1	22-APR-2011 06:40:20	Bright	64.000	66	37Gam Cyg	2.2080	5900.0	128	47807	No
89	GOM_TRA_1PNPDK20110422_064316_000000683101_00379_47807_7241.N1	22-APR-2011 06:43:16	Tw_i_and_stray	67.500	92	53Eps Cyg	2.5000	4500.0	135	47807	No
90	GOM_TRA_1PNPDK20110422_065123_000000563101_00379_47807_7242.N1	22-APR-2011 06:51:23	Dark	55.500	61	8Eps Peg	2.1000	3900.0	111	47807	No
91	GOM_TRA_1PNPDK20110422_065351_000000493101_00379_47807_7243.N1	22-APR-2011 06:53:51	Dark	49.000	162	34Alp Aqr	2.9440	5350.0	98	47807	No
92	GOM_TRA_1PNPDK20110422_065652_000000523101_00379_47807_7244.N1	22-APR-2011 06:56:52	Dark	51.500	154	22Bet Aqr	2.8990	5700.0	103	47807	No
93	GOM_TRA_1PNPDK20110422_071450_000000673101_00380_47808_7245.N1	22-APR-2011 07:14:50	Dark	67.000	103	38Zet Sgr	2.6000	9700.0	134	47808	No
94	GOM_TRA_1PNPDK20110422_071803_000000713101_00380_47808_7246.N1	22-APR-2011 07:18:03	Dark	70.500	38	20Eps Sgr	1.8360	11000.	141	47808	No
95	GOM_TRA_1PNPDK20110422_072130_000000583101_00380_47808_7247.N1	22-APR-2011 07:21:30	Straylight	57.500	25	35Lam Sco	1.6200	28000.	115	47808	No
96	GOM_TRA_1PNPDK20110422_072505_000000693101_00380_47808_7248.N1	22-APR-2011 07:25:05	Straylight	68.500	75	26Eps Sco	2.2910	4250.0	137	47808	No
97	GOM_TRA_1PNPDK20110422_072914_000000253101_00380_47808_7249.N1	22-APR-2011 07:29:14	Straylight	25.000	16	21Alp Sco	1.0200	3000.0	50	47808	No
98	GOM_TRA_1PNPDK20110422_072957_000000413101_00380_47808_7250.N1	22-APR-2011 07:29:57	Tw_i_and_stray	41.000	156	20Sig Sco	2.9030	28000.	82	47808	No
99	GOM_TRA_1PNPDK20110422_073157_000000703101_00380_47808_7251.N1	22-APR-2011 07:31:57	Tw_i_and_stray	70.000	80	7Del Sco	2.3160	30000.	140	47808	No
100	GOM_TRA_1PNPDK20110422_073537_000000503101_00380_47808_7252.N1	22-APR-2011 07:35:37	Bright	50.000	122	9Alp2Lib	2.7470	9700.0	100	47808	No
101	GOM_TRA_1PNPDK20110422_073818_000000593101_00380_47808_7274.N1	22-APR-2011 07:38:18	Bright	58.500	104	27Bet Lib	2.6140	13100.	117	47808	No
102	GOM_TRA_1PNPDK20110422_074659_000000443101_00380_47808_7275.N1	22-APR-2011 07:46:59	Bright	43.500	111	8Eta Boo	2.6800	6000.0	87	47808	No
103	GOM_TRA_1PNPDK20110422_075127_000000543101_00380_47808_7276.N1	22-APR-2011 07:51:27	Bright	54.000	83		2.3780	11000.	108	47808	No
104	GOM_TRA_1PNPDK20110422_075416_000000453101_00380_47808_7277.N1	22-APR-2011 07:54:16	Bright	44.500	180	27Gam Boo	3.0400	8000.0	89	47808	No
105	GOM_TRA_1PNPDK20110422_075559_000000403101_00380_47808_7278.N1	22-APR-2011 07:55:59	Bright	40.000	39	85Eta UMa	1.8540	24000.	80	47808	No
106	GOM_TRA_1PNPDK20110422_080359_000000463101_00380_47808_7279.N1	22-APR-2011 08:03:59	Bright	46.000	119	14Eta Dra	2.7270	4700.0	92	47808	No
107	GOM_TRA_1PNPDK20110422_081329_000000423101_00380_47808_7280.N1	22-APR-2011 08:13:29	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	47808	No
108	GOM_TRA_1PNPDK20110422_081843_000000543101_00380_47808_7281.N1	22-APR-2011 08:18:43	Bright	54.000	19	50Alp Cyg	1.2460	10500.	108	47808	No
109	GOM_TRA_1PNPDK20110422_082033_000000653101_00380_47808_7282.N1	22-APR-2011 08:20:33	Bright	64.500	66	37Gam Cyg	2.2080	5900.0	129	47808	No
110	GOM_TRA_1PNPDK20110422_082330_000000673101_00380_47808_7283.N1	22-APR-2011 08:23:30	Tw_i_and_stray	67.000	92	53Eps Cyg	2.5000	4500.0	134	47808	No
111	GOM_TRA_1PNPDK20110422_083138_000000563101_00380_47808_7284.N1	22-APR-2011 08:31:38	Dark	55.500	61	8Eps Peg	2.1000	3900.0	111	47808	No
112	GOM_TRA_1PNPDK20110422_083406_000000513101_00380_47808_7285.N1	22-APR-2011 08:34:06	Dark	51.000	162	34Alp Aqr	2.9440	5350.0	102	47808	No
113	GOM_TRA_1PNPDK20110422_083707_000000513101_00380_47808_7286.N1	22-APR-2011 08:37:07	Dark	50.500	154	22Bet Aqr	2.8990	5700.0	101	47808	No
114	GOM_TRA_1PNPDK20110422_085506_000000683101_00381_47809_7287.N1	22-APR-2011 08:55:06	Dark	68.000	103	38Zet Sgr	2.6000	9700.0	136	47809	No
115	GOM_TRA_1PNPDK20110422_085819_000000633101_00381_47809_7288.N1	22-APR-2011 08:58:19	Dark	62.500	38	20Eps Sgr	1.8360	11000.	125	47809	No
116	GOM_TRA_1PNPDK20110422_090145_000000653101_00381_47809_7289.N1	22-APR-2011 09:01:45	Straylight	65.000	25	35Lam Sco	1.6200	28000.	130	47809	No
117	GOM_TRA_1PNPDK20110422_090520_000000643101_00381_47809_7290.N1	22-APR-2011 09:05:20	Straylight	63.500	75	26Eps Sco	2.2910	4250.0	127	47809	No
118	GOM_TRA_1PNPDK20110422_090929_000000253101_00381_47809_7291.N1	22-APR-2011 09:09:29	Straylight	25.000	16	21Alp Sco	1.0200	3000.0	50	47809	No
119	GOM_TRA_1PNPDK20110422_091011_000000413101_00381_47809_7292.N1	22-APR-2011 09:10:11	Tw_i_and_stray	41.000	156	20Sig Sco	2.9030	28000.	82	47809	No
120	GOM_TRA_1PNPDK20110422_091212_000000733101_00381_47809_7293.N1	22-APR-2011 09:12:12	Tw_i_and_stray	73.000	80	7Del Sco	2.3160	30000.	146	47809	No
121	GOM_TRA_1PNPDK20110422_091551_000000503101_00381_47809_7294.N1	22-APR-2011 09:15:51	Bright	50.000	122	9Alp2Lib	2.7470	9700.0	100	47809	No
122	GOM_TRA_1PNPDK20110422_091832_000000583101_00381_47809_7311.N1	22-APR-2011 09:18:32	Bright	57.500	104	27Bet Lib	2.6140	13100.	115	47809	Yes
123	GOM_TRA_1PNPDK20110422_092713_000000513101_00381_47809_7312.N1	22-APR-2011 09:27:13	Bright	50.500	111	8Eta Boo	2.6800	6000.0	101	47809	No
124	GOM_TRA_1PNPDK20110422_093140_000000503101_00381_47809_7313.N1	22-APR-2011 09:31:40	Bright	50.000	83		2.3780	11000.	100	47809	No
125	GOM_TRA_1PNPDK20110422_093429_000000453101_00381_47809_7314.N1	22-APR-2011 09:34:29	Bright	45.000	180	27Gam Boo	3.0400	8000.0	90	47809	No
126	GOM_TRA_1PNPDK20110422_093613_000000413101_00381_47809_7315.N1	22-APR-2011 09:36:13	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	47809	No
127	GOM_TRA_1PNPDK20110422_094412_000000453101_00381_47809_7316.N1	22-APR-2011 09:44:12	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	47809	No
128	GOM_TRA_1PNPDK20110422_095343_000000403101_00381_47809_7317.N1	22-APR-2011 09:53:43	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	47809	No
129	GOM_TRA_1PNPDK20110422_095857_000000523101_00381_47809_7318.N1	22-APR-2011 09:58:57	Bright	51.500	19	50Alp Cyg	1.2460	10500.	103	47809	No
130	GOM_TRA_1PNPDK20110422_100047_000000603101_00381_47809_7319.N1	22-APR-2011 10:00:47	Bright	59.500	66	37Gam Cyg	2.2080	5900.0	119	47809	No

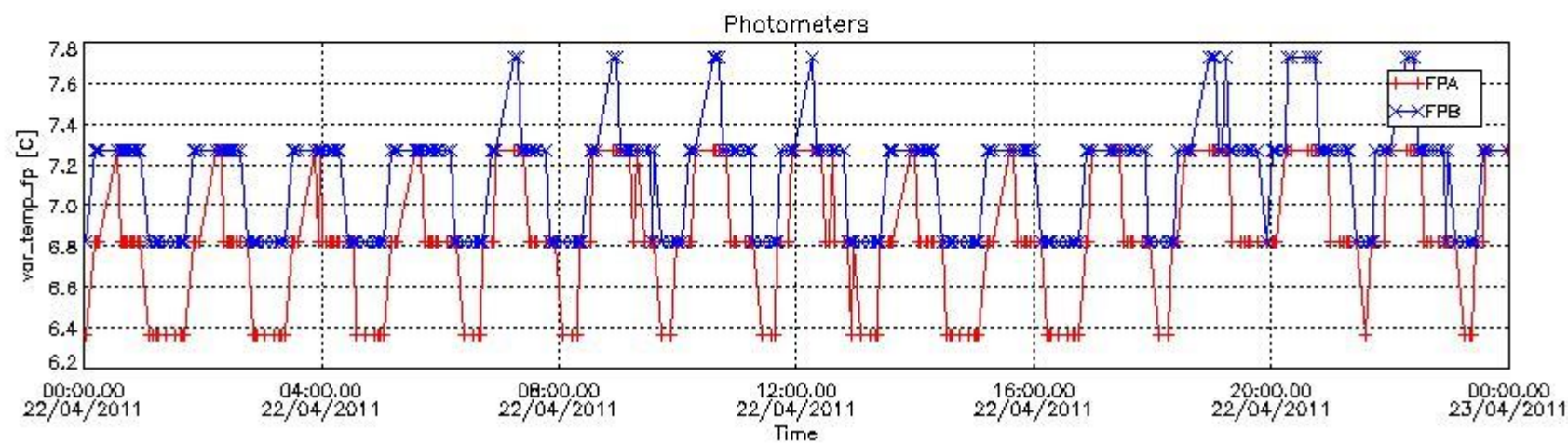
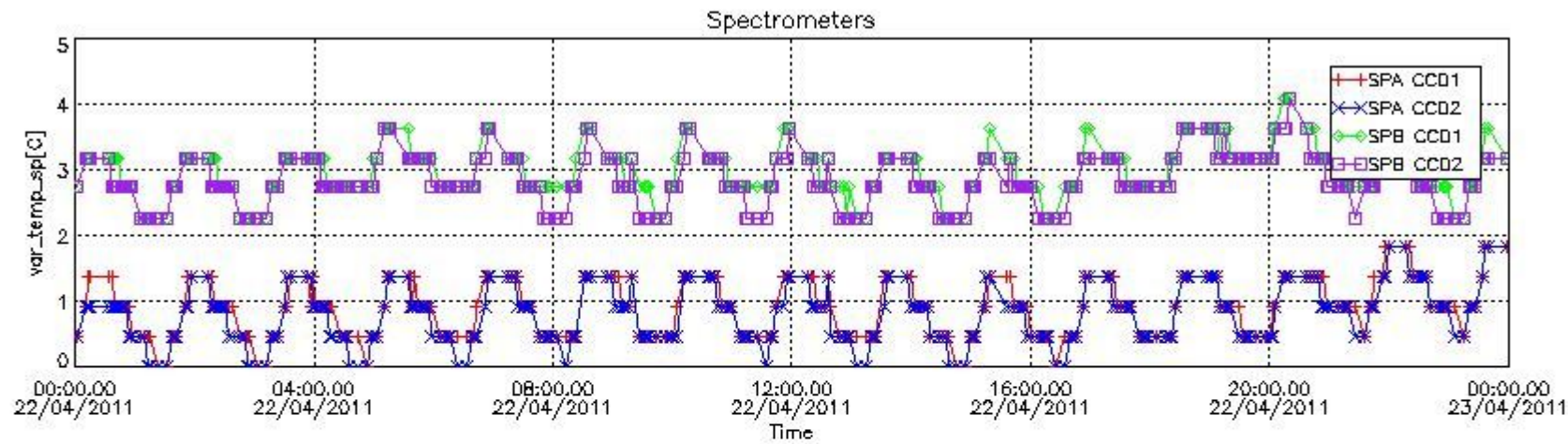
131	GOM_TRA_1PNPDK20110422_100344_000000633101_00381_47809_7320.N1	22-APR-2011 10:03:44	Twilight	62.500	92	53Eps Cyg	2.5000	4500.0	125	47809	No
132	GOM_TRA_1PNPDK20110422_101152_000000583101_00381_47809_7321.N1	22-APR-2011 10:11:52	Dark	57.500	61	8Eps Peg	2.1000	3900.0	115	47809	No
133	GOM_TRA_1PNPDK20110422_101420_000000493101_00381_47809_7322.N1	22-APR-2011 10:14:20	Dark	49.000	162	34Alp Aqr	2.9440	5350.0	98	47809	No
134	GOM_TRA_1PNPDK20110422_101721_000000583101_00381_47809_7323.N1	22-APR-2011 10:17:21	Dark	57.500	154	22Bet Aqr	2.8990	5700.0	115	47809	No
135	GOM_TRA_1PNPDK20110422_103522_000000683101_00382_47810_7324.N1	22-APR-2011 10:35:22	Dark	68.000	103	38Zet Sgr	2.6000	9700.0	136	47810	No
136	GOM_TRA_1PNPDK20110422_103834_000000663101_00382_47810_7325.N1	22-APR-2011 10:38:34	Dark	65.500	38	20Eps Sgr	1.8360	11000.	131	47810	No
137	GOM_TRA_1PNPDK20110422_104200_000000633101_00382_47810_7326.N1	22-APR-2011 10:42:00	Straylight	63.000	25	35Lam Sco	1.6200	28000.	126	47810	No
138	GOM_TRA_1PNPDK20110422_104534_000000703101_00382_47810_7327.N1	22-APR-2011 10:45:34	Straylight	70.000	75	26Eps Sco	2.2910	4250.0	140	47810	No
139	GOM_TRA_1PNPDK20110422_104943_000000283101_00382_47810_7328.N1	22-APR-2011 10:49:43	Straylight	28.000	16	21Alp Sco	1.0200	3000.0	56	47810	No
140	GOM_TRA_1PNPDK20110422_105226_000000723101_00382_47810_7329.N1	22-APR-2011 10:52:26	Twilight	72.000	80	7Del Sco	2.3160	30000.	144	47810	No
141	GOM_TRA_1PNPDK20110422_105605_000000523101_00382_47810_7330.N1	22-APR-2011 10:56:05	Bright	51.500	122	9Alp2Lib	2.7470	9700.0	103	47810	No
142	GOM_TRA_1PNPDK20110422_105845_000000583101_00382_47810_7353.N1	22-APR-2011 10:58:45	Bright	58.000	104	27Bet Lib	2.6140	13100.	116	47810	No
143	GOM_TRA_1PNPDK20110422_110726_000000433101_00382_47810_7354.N1	22-APR-2011 11:07:26	Bright	42.500	111	8Eta Boo	2.6800	6000.0	85	47810	No
144	GOM_TRA_1PNPDK20110422_111153_000000503101_00382_47810_7355.N1	22-APR-2011 11:11:53	Bright	49.500	83		2.3780	11000.	99	47810	No
145	GOM_TRA_1PNPDK20110422_111443_000000473101_00382_47810_7356.N1	22-APR-2011 11:14:43	Bright	46.500	180	27Gam Boo	3.0400	8000.0	93	47810	No
146	GOM_TRA_1PNPDK20110422_111627_000000423101_00382_47810_7357.N1	22-APR-2011 11:16:27	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	47810	No
147	GOM_TRA_1PNPDK20110422_112425_000000463101_00382_47810_7358.N1	22-APR-2011 11:24:25	Bright	46.000	119	14Eta Dra	2.7270	4700.0	92	47810	No
148	GOM_TRA_1PNPDK20110422_113357_000000413101_00382_47810_7359.N1	22-APR-2011 11:33:57	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	47810	No
149	GOM_TRA_1PNPDK20110422_113910_000000523101_00382_47810_7360.N1	22-APR-2011 11:39:10	Bright	52.000	19	50Alp Cyg	1.2460	10500.	104	47810	No
150	GOM_TRA_1PNPDK20110422_114101_000000663101_00382_47810_7361.N1	22-APR-2011 11:41:01	Bright	66.000	66	37Gam Cyg	2.2080	5900.0	132	47810	No
151	GOM_TRA_1PNPDK20110422_114358_000000683101_00382_47810_7362.N1	22-APR-2011 11:43:58	Twilight	67.500	92	53Eps Cyg	2.5000	4500.0	135	47810	No
152	GOM_TRA_1PNPDK20110422_115206_000000563101_00382_47810_7363.N1	22-APR-2011 11:52:06	Dark	56.000	61	8Eps Peg	2.1000	3900.0	112	47810	No
153	GOM_TRA_1PNPDK20110422_115434_000000503101_00382_47810_7364.N1	22-APR-2011 11:54:34	Dark	49.500	162	34Alp Aqr	2.9440	5350.0	99	47810	No
154	GOM_TRA_1PNPDK20110422_115736_000000553101_00382_47810_7365.N1	22-APR-2011 11:57:36	Dark	55.000	154	22Bet Aqr	2.8990	5700.0	110	47810	No
155	GOM_TRA_1PNPDK20110422_121537_000000703101_00383_47811_7366.N1	22-APR-2011 12:15:37	Dark	69.500	103	38Zet Sgr	2.6000	9700.0	139	47811	No
156	GOM_TRA_1PNPDK20110422_121849_000000663101_00383_47811_7367.N1	22-APR-2011 12:18:49	Dark	66.000	38	20Eps Sgr	1.8360	11000.	132	47811	No
157	GOM_TRA_1PNPDK20110422_122215_000000593101_00383_47811_7368.N1	22-APR-2011 12:22:15	Straylight	59.000	25	35Lam Sco	1.6200	28000.	118	47811	No
158	GOM_TRA_1PNPDK20110422_122549_000000683101_00383_47811_7369.N1	22-APR-2011 12:25:49	Straylight	68.000	75	26Eps Sco	2.2910	4250.0	136	47811	No
159	GOM_TRA_1PNPDK20110422_122958_000000283101_00383_47811_7370.N1	22-APR-2011 12:29:58	Straylight	28.000	16	21Alp Sco	1.0200	3000.0	56	47811	No
160	GOM_TRA_1PNPDK20110422_123240_000000753101_00383_47811_7371.N1	22-APR-2011 12:32:40	Twilight	75.000	80	7Del Sco	2.3160	30000.	150	47811	No
161	GOM_TRA_1PNPDK20110422_123619_000000503101_00383_47811_7392.N1	22-APR-2011 12:36:19	Bright	49.500	122	9Alp2Lib	2.7470	9700.0	99	47811	Yes
162	GOM_TRA_1PNPDK20110422_123859_000000563101_00383_47811_7393.N1	22-APR-2011 12:38:59	Bright	55.500	104	27Bet Lib	2.6140	13100.	111	47811	No
163	GOM_TRA_1PNPDK20110422_124740_000000623101_00383_47811_7394.N1	22-APR-2011 12:47:40	Bright	62.000	111	8Eta Boo	2.6800	6000.0	124	47811	No
164	GOM_TRA_1PNPDK20110422_125206_000000533101_00383_47811_7395.N1	22-APR-2011 12:52:06	Bright	52.500	83		2.3780	11000.	105	47811	No
165	GOM_TRA_1PNPDK20110422_125456_000000443101_00383_47811_7396.N1	22-APR-2011 12:54:56	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	47811	No
166	GOM_TRA_1PNPDK20110422_125640_000000583101_00383_47811_7397.N1	22-APR-2011 12:56:40	Bright	58.000	39	85Eta UMa	1.8540	24000.	116	47811	No
167	GOM_TRA_1PNPDK20110422_130438_000000443101_00383_47811_7398.N1	22-APR-2011 13:04:38	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	47811	No
168	GOM_TRA_1PNPDK20110422_131411_000000413101_00383_47811_7399.N1	22-APR-2011 13:14:11	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	47811	No
169	GOM_TRA_1PNPDK20110422_131924_000000743101_00383_47811_7400.N1	22-APR-2011 13:19:24	Bright	74.000	19	50Alp Cyg	1.2460	10500.	148	47811	No
170	GOM_TRA_1PNPDK20110422_132115_000000623101_00383_47811_7401.N1	22-APR-2011 13:21:15	Bright	61.500	66	37Gam Cyg	2.2080	5900.0	123	47811	No
171	GOM_TRA_1PNPDK20110422_132412_000000703101_00383_47811_7402.N1	22-APR-2011 13:24:12	Twilight	70.000	92	53Eps Cyg	2.5000	4500.0	140	47811	No
172	GOM_TRA_1PNPDK20110422_133221_000000573101_00383_47811_7403.N1	22-APR-2011 13:32:21	Dark	56.500	61	8Eps Peg	2.1000	3900.0	113	47811	No
173	GOM_TRA_1PNPDK20110422_133449_000000483101_00383_47811_7404.N1	22-APR-2011 13:34:49	Dark	47.500	162	34Alp Aqr	2.9440	5350.0	95	47811	No
174	GOM_TRA_1PNPDK20110422_133751_000000553101_00383_47811_7405.N1	22-APR-2011 13:37:51	Dark	55.000	154	22Bet Aqr	2.8990	5700.0	110	47811	No
175	GOM_TRA_1PNPDK20110422_135553_000000663101_00384_47812_7406.N1	22-APR-2011 13:55:53	Dark	65.500	103	38Zet Sgr	2.6000	9700.0	131	47812	No
176	GOM_TRA_1PNPDK20110422_135905_000000633101_00384_47812_7407.N1	22-APR-2011 13:59:05	Dark	63.000	38	20Eps Sgr	1.8360	11000.	126	47812	No
177	GOM_TRA_1PNPDK20110422_140230_000000683101_00384_47812_7408.N1	22-APR-2011 14:02:30	Straylight	67.500	25	35Lam Sco	1.6200	28000.	135	47812	No
178	GOM_TRA_1PNPDK20110422_140604_000000653101_00384_47812_7409.N1	22-APR-2011 14:06:04	Straylight	64.500	75	26Eps Sco	2.2910	4250.0	129	47812	No
179	GOM_TRA_1PNPDK20110422_141013_000000323101_00384_47812_7410.N1	22-APR-2011 14:10:13	Straylight	32.000	16	21Alp Sco	1.0200	3000.0	64	47812	No
180	GOM_TRA_1PNPDK20110422_141255_000000713101_00384_47812_7411.N1	22-APR-2011 14:12:55	Twilight	70.500	80	7Del Sco	2.3160	30000.	141	47812	No
181	GOM_TRA_1PNPDK20110422_141633_000000513101_00384_47812_7431.N1	22-APR-2011 14:16:33	Bright	51.000	122	9Alp2Lib	2.7470	9700.0	102	47812	No
182	GOM_TRA_1PNPDK20110422_141913_000000583101_00384_47812_7432.N1	22-APR-2011 14:19:13	Bright	57.500	104	27Bet Lib	2.6140	13100.	115	47812	No
183	GOM_TRA_1PNPDK20110422_142753_000000623101_00384_47812_7433.N1	22-APR-2011 14:27:53	Bright	62.000	111	8Eta Boo	2.6800	6000.0	124	47812	No
184	GOM_TRA_1PNPDK20110422_143220_000000523101_00384_47812_7434.N1	22-APR-2011 14:32:20	Bright	52.000	83		2.3780	11000.	104	47812	No
185	GOM_TRA_1PNPDK20110422_143509_000000673101_00384_47812_7435.N1	22-APR-2011 14:35:09	Bright	67.000	180	27Gam Boo	3.0400	8000.0	134	47812	No
186	GOM_TRA_1PNPDK20110422_143654_000000393101_00384_47812_7436.N1	22-APR-2011 14:36:54	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	47812	No
187	GOM_TRA_1PNPDK20110422_144452_000000483101_00384_47812_7437.N1	22-APR-2011 14:44:52	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	47812	No
188	GOM_TRA_1PNPDK20110422_145424_000000413101_00384_47812_7438.N1	22-APR-2011 14:54:24	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	47812	No
189	GOM_TRA_1PNPDK20110422_145938_000000533101_00384_47812_7439.N1	22-APR-2011 14:59:38	Bright	53.000	19	50Alp Cyg	1.2460	10500.	106	47812	No

190	GOM_TRA_1PNPDK20110422_150128_00000613101_00384_47812_7440.N1	22-APR-2011 15:01:28	Bright	61.000	66	37Gam Cyg	2.2080	5900.0	122	47812	No
191	GOM_TRA_1PNPDK20110422_150426_00000683101_00384_47812_7441.N1	22-APR-2011 15:04:26	Twilight	67.500	92	53Eps Cyg	2.5000	4500.0	135	47812	No
192	GOM_TRA_1PNPDK20110422_151236_00000543101_00384_47812_7442.N1	22-APR-2011 15:12:36	Dark	53.500	61	8Eps Peg	2.1000	3900.0	107	47812	No
193	GOM_TRA_1PNPDK20110422_151503_00000473101_00384_47812_7443.N1	22-APR-2011 15:15:03	Dark	47.000	162	34Alp Aqr	2.9440	5350.0	94	47812	No
194	GOM_TRA_1PNPDK20110422_151806_00000513101_00384_47812_7444.N1	22-APR-2011 15:18:06	Dark	50.500	154	22Bet Aqr	2.8990	5700.0	101	47812	No
195	GOM_TRA_1PNPDK20110422_153609_00000683101_00385_47813_7445.N1	22-APR-2011 15:36:09	Dark	68.000	103	38Zet Sgr	2.6000	9700.0	136	47813	No
196	GOM_TRA_1PNPDK20110422_153920_00000633101_00385_47813_7446.N1	22-APR-2011 15:39:20	Dark	63.000	38	20Eps Sgr	1.8360	11000.	126	47813	No
197	GOM_TRA_1PNPDK20110422_154245_00000613101_00385_47813_7447.N1	22-APR-2011 15:42:45	Straylight	60.500	25	35Lam Sco	1.6200	28000.	121	47813	No
198	GOM_TRA_1PNPDK20110422_154619_00000653101_00385_47813_7448.N1	22-APR-2011 15:46:19	Straylight	64.500	75	26Eps Sco	2.2910	4250.0	129	47813	No
199	GOM_TRA_1PNPDK20110422_155027_00000323101_00385_47813_7449.N1	22-APR-2011 15:50:27	Straylight	31.500	16	21Alp Sco	1.0200	3000.0	63	47813	No
200	GOM_TRA_1PNPDK20110422_155309_00000733101_00385_47813_7461.N1	22-APR-2011 15:53:09	Twilight	72.500	80	7Del Sco	2.3160	30000.	145	47813	No
201	GOM_TRA_1PNPDK20110422_155647_00000503101_00385_47813_7462.N1	22-APR-2011 15:56:47	Bright	50.000	122	9Alp2Lib	2.7470	9700.0	100	47813	No
202	GOM_TRA_1PNPDK20110422_155927_00000583101_00385_47813_7463.N1	22-APR-2011 15:59:27	Bright	58.000	104	27Bet Lib	2.6140	13100.	116	47813	No
203	GOM_TRA_1PNPDK20110422_160807_00000623101_00385_47813_7464.N1	22-APR-2011 16:08:07	Bright	62.000	111	8Eta Boo	2.6800	6000.0	124	47813	No
204	GOM_TRA_1PNPDK20110422_161232_00000513101_00385_47813_7465.N1	22-APR-2011 16:12:32	Bright	50.500	83		2.3780	11000.	101	47813	No
205	GOM_TRA_1PNPDK20110422_161522_00000453101_00385_47813_7466.N1	22-APR-2011 16:15:22	Bright	45.000	180	27Gam Boo	3.0400	8000.0	90	47813	No
206	GOM_TRA_1PNPDK20110422_161708_00000423101_00385_47813_7467.N1	22-APR-2011 16:17:08	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	47813	No
207	GOM_TRA_1PNPDK20110422_162505_00000453101_00385_47813_7468.N1	22-APR-2011 16:25:05	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	47813	No
208	GOM_TRA_1PNPDK20110422_163438_00000413101_00385_47813_7469.N1	22-APR-2011 16:34:38	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	47813	No
209	GOM_TRA_1PNPDK20110422_163951_00000533101_00385_47813_7470.N1	22-APR-2011 16:39:51	Bright	52.500	19	50Alp Cyg	1.2460	10500.	105	47813	No
210	GOM_TRA_1PNPDK20110422_164142_00000613101_00385_47813_7471.N1	22-APR-2011 16:41:42	Bright	60.500	66	37Gam Cyg	2.2080	5900.0	121	47813	No
211	GOM_TRA_1PNPDK20110422_164440_00000663101_00385_47813_7472.N1	22-APR-2011 16:44:40	Twilight	65.500	92	53Eps Cyg	2.5000	4500.0	131	47813	No
212	GOM_TRA_1PNPDK20110422_165250_00000583101_00385_47813_7473.N1	22-APR-2011 16:52:50	Dark	57.500	61	8Eps Peg	2.1000	3900.0	115	47813	No
213	GOM_TRA_1PNPDK20110422_165518_00000493101_00385_47813_7474.N1	22-APR-2011 16:55:18	Dark	49.000	162	34Alp Aqr	2.9440	5350.0	98	47813	No
214	GOM_TRA_1PNPDK20110422_165821_00000553101_00385_47813_7475.N1	22-APR-2011 16:58:21	Dark	55.000	154	22Bet Aqr	2.8990	5700.0	110	47813	No
215	GOM_TRA_1PNPDK20110422_171625_00000693101_00386_47814_7476.N1	22-APR-2011 17:16:25	Dark	68.500	103	38Zet Sgr	2.6000	9700.0	137	47814	No
216	GOM_TRA_1PNPDK20110422_171936_00000643101_00386_47814_7477.N1	22-APR-2011 17:19:36	Dark	63.500	38	20Eps Sgr	1.8360	11000.	127	47814	No
217	GOM_TRA_1PNPDK20110422_172300_00000603101_00386_47814_7478.N1	22-APR-2011 17:23:00	Straylight	59.500	25	35Lam Sco	1.6200	28000.	119	47814	No
218	GOM_TRA_1PNPDK20110422_172634_00000703101_00386_47814_7479.N1	22-APR-2011 17:26:34	Straylight	70.000	75	26Eps Sco	2.2910	4250.0	140	47814	No
219	GOM_TRA_1PNPDK20110422_173042_00000353101_00386_47814_7499.N1	22-APR-2011 17:30:42	Straylight	35.000	16	21Alp Sco	1.0200	3000.0	70	47814	No
220	GOM_TRA_1PNPDK20110422_173324_00000733101_00386_47814_7500.N1	22-APR-2011 17:33:24	Twilight	73.000	80	7Del Sco	2.3160	30000.	146	47814	No
221	GOM_TRA_1PNPDK20110422_173702_00000483101_00386_47814_7501.N1	22-APR-2011 17:37:02	Bright	47.500	122	9Alp2Lib	2.7470	9700.0	95	47814	No
222	GOM_TRA_1PNPDK20110422_173941_00000573101_00386_47814_7502.N1	22-APR-2011 17:39:41	Bright	56.500	104	27Bet Lib	2.6140	13100.	113	47814	No
223	GOM_TRA_1PNPDK20110422_174821_00000623101_00386_47814_7503.N1	22-APR-2011 17:48:21	Bright	62.000	111	8Eta Boo	2.6800	6000.0	124	47814	No
224	GOM_TRA_1PNPDK20110422_175246_00000533101_00386_47814_7504.N1	22-APR-2011 17:52:46	Bright	52.500	83		2.3780	11000.	105	47814	No
225	GOM_TRA_1PNPDK20110422_175536_00000453101_00386_47814_7505.N1	22-APR-2011 17:55:36	Bright	44.500	180	27Gam Boo	3.0400	8000.0	89	47814	No
226	GOM_TRA_1PNPDK20110422_175721_00000393101_00386_47814_7506.N1	22-APR-2011 17:57:21	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	47814	No
227	GOM_TRA_1PNPDK20110422_180518_00000463101_00386_47814_7507.N1	22-APR-2011 18:05:18	Bright	46.000	119	14Eta Dra	2.7270	4700.0	92	47814	No
228	GOM_TRA_1PNPDK20110422_181452_00000423101_00386_47814_7508.N1	22-APR-2011 18:14:52	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	47814	No
229	GOM_TRA_1PNPDK20110422_182005_00000533101_00386_47814_7509.N1	22-APR-2011 18:20:05	Bright	52.500	19	50Alp Cyg	1.2460	10500.	105	47814	No
230	GOM_TRA_1PNPDK20110422_182156_00000553101_00386_47814_7510.N1	22-APR-2011 18:21:56	Bright	55.000	66	37Gam Cyg	2.2080	5900.0	110	47814	No
231	GOM_TRA_1PNPDK20110422_182454_00000623101_00386_47814_7511.N1	22-APR-2011 18:24:54	Twilight	62.000	92	53Eps Cyg	2.5000	4500.0	124	47814	No
232	GOM_TRA_1PNPDK20110422_183305_00000643101_00386_47814_7512.N1	22-APR-2011 18:33:05	Dark	63.500	61	8Eps Peg	2.1000	3900.0	127	47814	No
233	GOM_TRA_1PNPDK20110422_183533_00000513101_00386_47814_7513.N1	22-APR-2011 18:35:33	Dark	50.500	162	34Alp Aqr	2.9440	5350.0	101	47814	No
234	GOM_TRA_1PNPDK20110422_183836_00000533101_00386_47814_7514.N1	22-APR-2011 18:38:36	Dark	52.500	154	22Bet Aqr	2.8990	5700.0	105	47814	No
235	GOM_TRA_1PNPDK20110422_185640_00000693101_00387_47815_7515.N1	22-APR-2011 18:56:40	Dark	68.500	103	38Zet Sgr	2.6000	9700.0	137	47815	No
236	GOM_TRA_1PNPDK20110422_185951_00000693101_00387_47815_7516.N1	22-APR-2011 18:59:51	Dark	68.500	38	20Eps Sgr	1.8360	11000.	137	47815	No
237	GOM_TRA_1PNPDK20110422_190316_00000663101_00387_47815_7517.N1	22-APR-2011 19:03:16	Straylight	66.000	25	35Lam Sco	1.6200	28000.	132	47815	No
238	GOM_TRA_1PNPDK20110422_190649_00000633101_00387_47815_7532.N1	22-APR-2011 19:06:49	Straylight	62.500	75	26Eps Sco	2.2910	4250.0	125	47815	Yes
239	GOM_TRA_1PNPDK20110422_191057_00000353101_00387_47815_7533.N1	22-APR-2011 19:10:57	Straylight	35.000	16	21Alp Sco	1.0200	3000.0	70	47815	No
240	GOM_TRA_1PNPDK20110422_191338_00000723101_00387_47815_7534.N1	22-APR-2011 19:13:38	Twilight	71.500	80	7Del Sco	2.3160	30000.	143	47815	No
241	GOM_TRA_1PNPDK20110422_191716_00000493101_00387_47815_7535.N1	22-APR-2011 19:17:16	Bright	48.500	122	9Alp2Lib	2.7470	9700.0	97	47815	No
242	GOM_TRA_1PNPDK20110422_191955_00000573101_00387_47815_7536.N1	22-APR-2011 19:19:55	Bright	56.500	104	27Bet Lib	2.6140	13100.	113	47815	No
243	GOM_TRA_1PNPDK20110422_192834_00000433101_00387_47815_7537.N1	22-APR-2011 19:28:34	Bright	42.500	111	8Eta Boo	2.6800	6000.0	85	47815	No
244	GOM_TRA_1PNPDK20110422_193259_00000523101_00387_47815_7538.N1	22-APR-2011 19:32:59	Bright	52.000	83		2.3780	11000.	104	47815	No
245	GOM_TRA_1PNPDK20110422_193549_00000453101_00387_47815_7539.N1	22-APR-2011 19:35:49	Bright	44.500	180	27Gam Boo	3.0400	8000.0	89	47815	No
246	GOM_TRA_1PNPDK20110422_193735_00000403101_00387_47815_7540.N1	22-APR-2011 19:37:35	Bright	40.000	39	85Eta UMa	1.8540	24000.	80	47815	No
247	GOM_TRA_1PNPDK20110422_194532_00000463101_00387_47815_7541.N1	22-APR-2011 19:45:32	Bright	46.000	119	14Eta Dra	2.7270	4700.0	92	47815	No
248	GOM_TRA_1PNPDK20110422_195506_00000413101_00387_47815_7542.N1	22-APR-2011 19:55:06	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	47815	No



249	GOM_TRA_1PNPDK20110422_200019_000000523101_00387_47815_7543.N1	22-APR-2011 20:00:19	Bright	52.000	19	50Alp Cyg	1.2460	10500.	104	47815	No
250	GOM_TRA_1PNPDK20110422_200210_000000553101_00387_47815_7544.N1	22-APR-2011 20:02:10	Bright	55.000	66	37Gam Cyg	2.2080	5900.0	110	47815	No
251	GOM_TRA_1PNPDK20110422_200508_000000673101_00387_47815_7545.N1	22-APR-2011 20:05:08	Twilight	67.000	92	53Eps Cyg	2.5000	4500.0	134	47815	No
252	GOM_TRA_1PNPDK20110422_201319_000000563101_00387_47815_7546.N1	22-APR-2011 20:13:19	Dark	56.000	61	8Eps Peg	2.1000	3900.0	112	47815	No
253	GOM_TRA_1PNPDK20110422_201547_000000513101_00387_47815_7547.N1	22-APR-2011 20:15:47	Dark	50.500	162	34Alp Aqr	2.9440	5350.0	101	47815	No
254	GOM_TRA_1PNPDK20110422_201851_000000553101_00387_47815_7548.N1	22-APR-2011 20:18:51	Dark	54.500	154	22Bet Aqr	2.8990	5700.0	109	47815	No
255	GOM_TRA_1PNPDK20110422_203656_000000693101_00388_47816_7549.N1	22-APR-2011 20:36:56	Dark	69.000	103	38Zet Sgr	2.6000	9700.0	138	47816	No
256	GOM_TRA_1PNPDK20110422_204007_000000673101_00388_47816_7550.N1	22-APR-2011 20:40:07	Dark	66.500	38	20Eps Sgr	1.8360	11000.	133	47816	No
257	GOM_TRA_1PNPDK20110422_204331_000000653101_00388_47816_7551.N1	22-APR-2011 20:43:31	Straylight	65.000	25	35Lam Sco	1.6200	28000.	130	47816	No
258	GOM_TRA_1PNPDE20110422_204704_000000673101_00388_47816_7423.N1	22-APR-2011 20:47:04	Straylight	67.000	75	26Eps Sco	2.2910	4250.0	134	47816	Yes
259	GOM_TRA_1PNPDE20110422_205112_000000383101_00388_47816_7424.N1	22-APR-2011 20:51:12	Straylight	38.000	16	21Alp Sco	1.0200	3000.0	76	47816	No
260	GOM_TRA_1PNPDE20110422_205352_000000733101_00388_47816_7425.N1	22-APR-2011 20:53:52	Twilight	73.000	80	7Del Sco	2.3160	30000.	146	47816	No
261	GOM_TRA_1PNPDE20110422_205730_000000483101_00388_47816_7426.N1	22-APR-2011 20:57:30	Bright	48.000	122	9Alp2Lib	2.7470	9700.0	96	47816	No
262	GOM_TRA_1PNPDE20110422_210009_000000573101_00388_47816_7427.N1	22-APR-2011 21:00:09	Bright	57.000	104	27Bet Lib	2.6140	13100.	114	47816	No
263	GOM_TRA_1PNPDE20110422_210848_000000423101_00388_47816_7428.N1	22-APR-2011 21:08:48	Bright	42.000	111	8Eta Boo	2.6800	6000.0	84	47816	No
264	GOM_TRA_1PNPDE20110422_211312_000000523101_00388_47816_7429.N1	22-APR-2011 21:13:12	Bright	52.000	83		2.3780	11000.	104	47816	No
265	GOM_TRA_1PNPDE20110422_211602_000000463101_00388_47816_7430.N1	22-APR-2011 21:16:02	Bright	46.000	180	27Gam Boo	3.0400	8000.0	92	47816	No
266	GOM_TRA_1PNPDE20110422_211749_000000423101_00388_47816_7431.N1	22-APR-2011 21:17:49	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	47816	No
267	GOM_TRA_1PNPDE20110422_212545_000000463101_00388_47816_7432.N1	22-APR-2011 21:25:45	Bright	46.000	119	14Eta Dra	2.7270	4700.0	92	47816	No
268	GOM_TRA_1PNPDE20110422_213519_000000423101_00388_47816_7433.N1	22-APR-2011 21:35:19	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	47816	No
269	GOM_TRA_1PNPDE20110422_214033_000000533101_00388_47816_7434.N1	22-APR-2011 21:40:33	Bright	53.000	19	50Alp Cyg	1.2460	10500.	106	47816	No
270	GOM_TRA_1PNPDE20110422_214224_000000503101_00388_47816_7435.N1	22-APR-2011 21:42:24	Bright	50.000	66	37Gam Cyg	2.2080	5900.0	100	47816	No
271	GOM_TRA_1PNPDE20110422_214522_000000683101_00388_47816_7436.N1	22-APR-2011 21:45:22	Twilight	68.000	92	53Eps Cyg	2.5000	4500.0	136	47816	No
272	GOM_TRA_1PNPDE20110422_215334_000000603101_00388_47816_7437.N1	22-APR-2011 21:53:34	Dark	59.500	61	8Eps Peg	2.1000	3900.0	119	47816	No
273	GOM_TRA_1PNPDE20110422_215602_000000493101_00388_47816_7438.N1	22-APR-2011 21:56:02	Dark	49.000	162	34Alp Aqr	2.9440	5350.0	98	47816	No
274	GOM_TRA_1PNPDE20110422_215905_000000553101_00388_47816_7451.N1	22-APR-2011 21:59:05	Dark	54.500	154	22Bet Aqr	2.8990	5700.0	109	47816	No
275	GOM_TRA_1PNPDE20110422_221712_000000703101_00389_47817_7452.N1	22-APR-2011 22:17:12	Dark	69.500	103	38Zet Sgr	2.6000	9700.0	139	47817	No
276	GOM_TRA_1PNPDE20110422_222022_000000653101_00389_47817_7453.N1	22-APR-2011 22:20:22	Dark	64.500	38	20Eps Sgr	1.8360	11000.	129	47817	No
277	GOM_TRA_1PNPDE20110422_222346_000000613101_00389_47817_7454.N1	22-APR-2011 22:23:46	Straylight	60.500	25	35Lam Sco	1.6200	28000.	121	47817	No
278	GOM_TRA_1PNPDE20110422_222719_000000653101_00389_47817_7455.N1	22-APR-2011 22:27:19	Straylight	65.000	75	26Eps Sco	2.2910	4250.0	130	47817	No
279	GOM_TRA_1PNPDE20110422_223126_000000383101_00389_47817_7456.N1	22-APR-2011 22:31:26	Straylight	38.000	16	21Alp Sco	1.0200	3000.0	76	47817	No
280	GOM_TRA_1PNPDE20110422_223407_000000683101_00389_47817_7457.N1	22-APR-2011 22:34:07	Twilight	67.500	80	7Del Sco	2.3160	30000.	135	47817	No
281	GOM_TRA_1PNPDE20110422_223743_000000503101_00389_47817_7458.N1	22-APR-2011 22:37:43	Bright	49.500	122	9Alp2Lib	2.7470	9700.0	99	47817	No
282	GOM_TRA_1PNPDE20110422_224022_000000583101_00389_47817_7459.N1	22-APR-2011 22:40:22	Bright	57.500	104	27Bet Lib	2.6140	13100.	115	47817	No
283	GOM_TRA_1PNPDE20110422_224902_000000623101_00389_47817_7460.N1	22-APR-2011 22:49:02	Bright	62.000	111	8Eta Boo	2.6800	6000.0	124	47817	No
284	GOM_TRA_1PNPDE20110422_225326_000000503101_00389_47817_7461.N1	22-APR-2011 22:53:26	Bright	49.500	83		2.3780	11000.	99	47817	No
285	GOM_TRA_1PNPDE20110422_225616_000000673101_00389_47817_7462.N1	22-APR-2011 22:56:16	Bright	67.000	180	27Gam Boo	3.0400	8000.0	134	47817	No
286	GOM_TRA_1PNPDE20110422_225802_000000413101_00389_47817_7463.N1	22-APR-2011 22:58:02	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	47817	No
287	GOM_TRA_1PNPDE20110422_230558_000000473101_00389_47817_7464.N1	22-APR-2011 23:05:58	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	47817	No
288	GOM_TRA_1PNPDE20110422_231533_000000393101_00389_47817_7465.N1	22-APR-2011 23:15:33	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	47817	No
289	GOM_TRA_1PNPDE20110422_232046_000000533101_00389_47817_7466.N1	22-APR-2011 23:20:46	Bright	53.000	19	50Alp Cyg	1.2460	10500.	106	47817	No
290	GOM_TRA_1PNPDE20110422_232237_000000503101_00389_47817_7467.N1	22-APR-2011 23:22:37	Bright	50.000	66	37Gam Cyg	2.2080	5900.0	100	47817	No
291	GOM_TRA_1PNPDE20110422_232536_000000703101_00389_47817_7468.N1	22-APR-2011 23:25:36	Twilight	69.500	92	53Eps Cyg	2.5000	4500.0	139	47817	No
292	GOM_TRA_1PNPDE20110422_233349_000000533101_00389_47817_7469.N1	22-APR-2011 23:33:49	Dark	52.500	61	8Eps Peg	2.1000	3900.0	105	47817	No
293	GOM_TRA_1PNPDE20110422_233616_000000503101_00389_47817_7470.N1	22-APR-2011 23:36:16	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	47817	No
294	GOM_TRA_1PNPDE20110422_233920_000000553101_00389_47817_7471.N1	22-APR-2011 23:39:20	Dark	55.000	154	22Bet Aqr	2.8990	5700.0	110	47817	No
295	GOM_TRA_1PNPDE20110422_235728_000000693101_00390_47818_7479.N1	22-APR-2011 23:57:28	Dark	68.500	103	38Zet Sgr	2.6000	9700.0	137	47818	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.

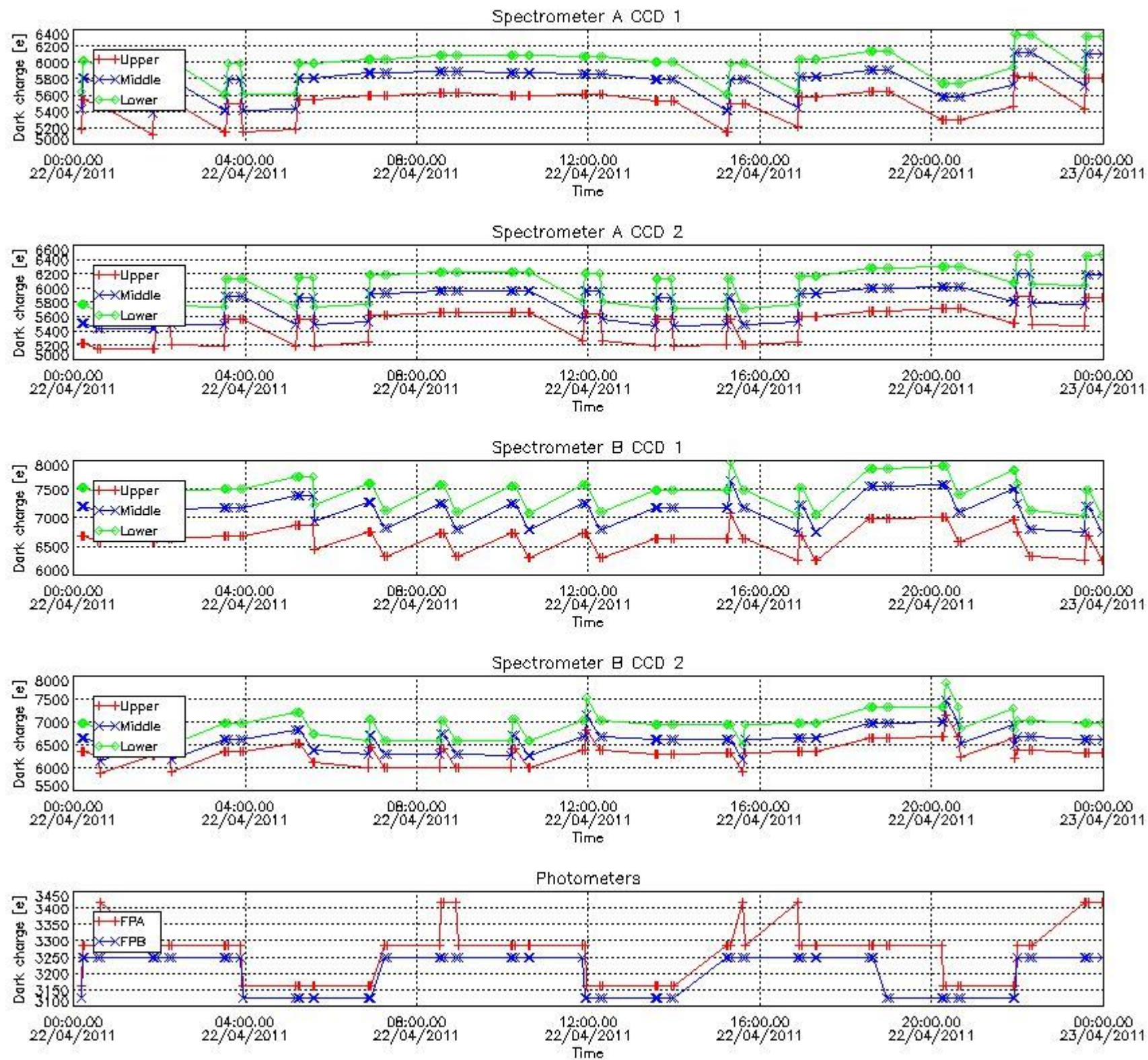
##### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20110422_204704_000000673101_00388_47816_7423.N1	DC map with no T dep.
GOM_TRA_1PNPDE20110422_205112_000000383101_00388_47816_7424.N1	DC map used
GOM_TRA_1PNPDE20110422_205352_000000733101_00388_47816_7425.N1	DC map used
GOM_TRA_1PNPDE20110422_205730_000000483101_00388_47816_7426.N1	DC map used
GOM_TRA_1PNPDE20110422_210009_000000573101_00388_47816_7427.N1	DC map used
GOM_TRA_1PNPDE20110422_210848_000000423101_00388_47816_7428.N1	DC map used
GOM_TRA_1PNPDE20110422_211312_000000523101_00388_47816_7429.N1	DC map used
GOM_TRA_1PNPDE20110422_211602_000000463101_00388_47816_7430.N1	DC map used
GOM_TRA_1PNPDE20110422_211749_000000423101_00388_47816_7431.N1	DC map used
GOM_TRA_1PNPDE20110422_212545_000000463101_00388_47816_7432.N1	DC map used
GOM_TRA_1PNPDE20110422_213519_000000423101_00388_47816_7433.N1	DC map used
GOM_TRA_1PNPDE20110422_214033_000000533101_00388_47816_7434.N1	DC map used
GOM_TRA_1PNPDE20110422_214224_000000503101_00388_47816_7435.N1	DC map used
GOM_TRA_1PNPDE20110422_214522_000000683101_00388_47816_7436.N1	DC map used



GOM_TRA_1PNPDE20110422_215334_000000603101_00388_47816_7437.N1	DC map used
GOM_TRA_1PNPDE20110422_215602_000000493101_00388_47816_7438.N1	DC map used

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



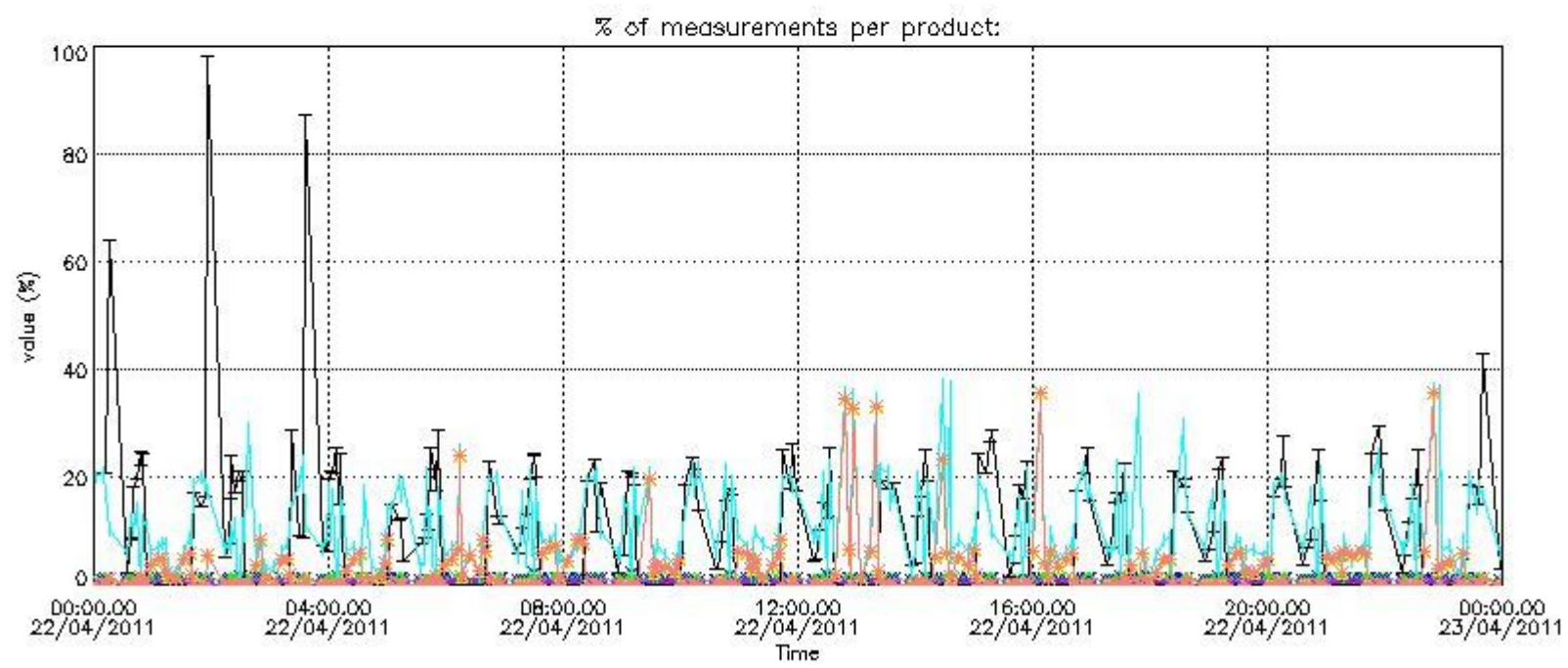
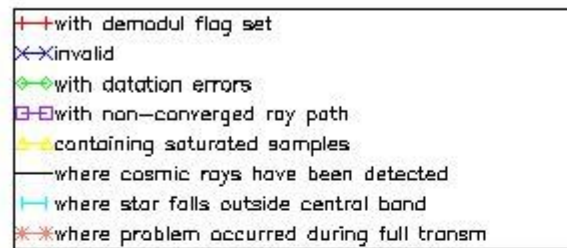
5. Demodulation flag and quality information monitoring

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:

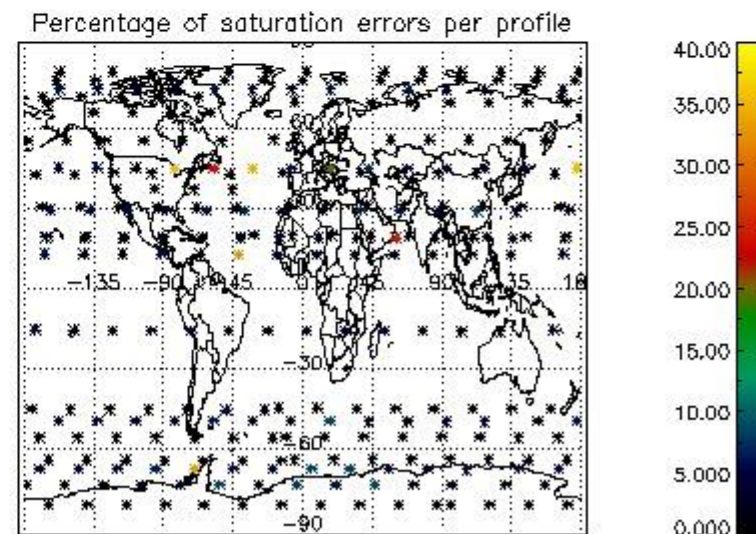
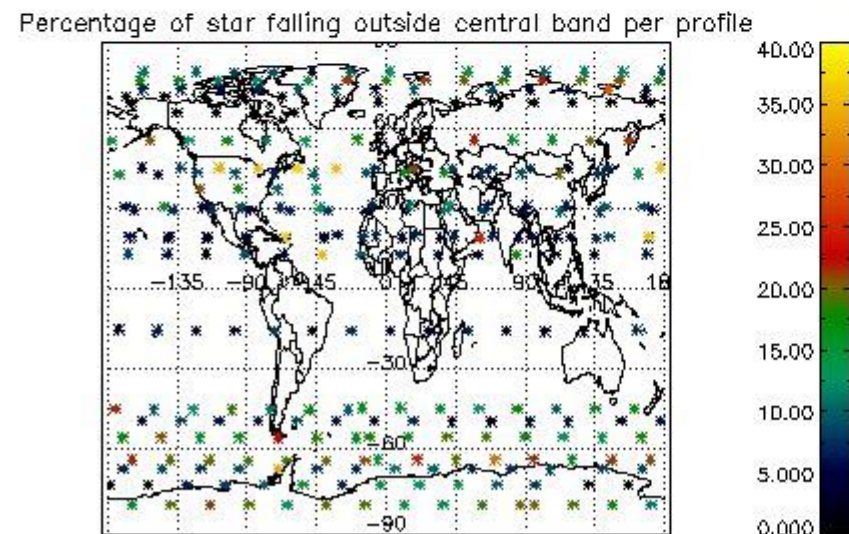
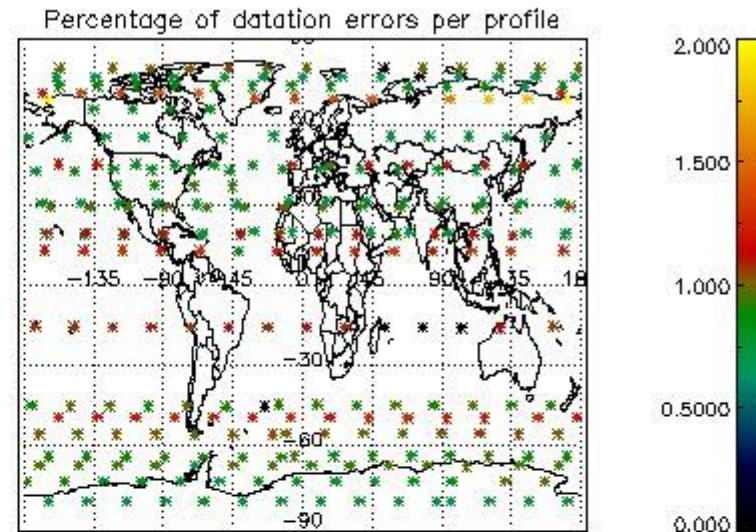
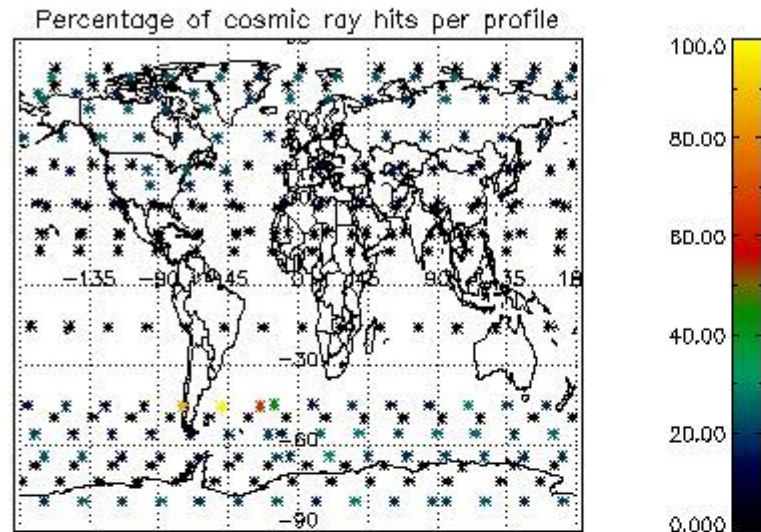
At least one measurement with demodulation flag set:	52.2337 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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)

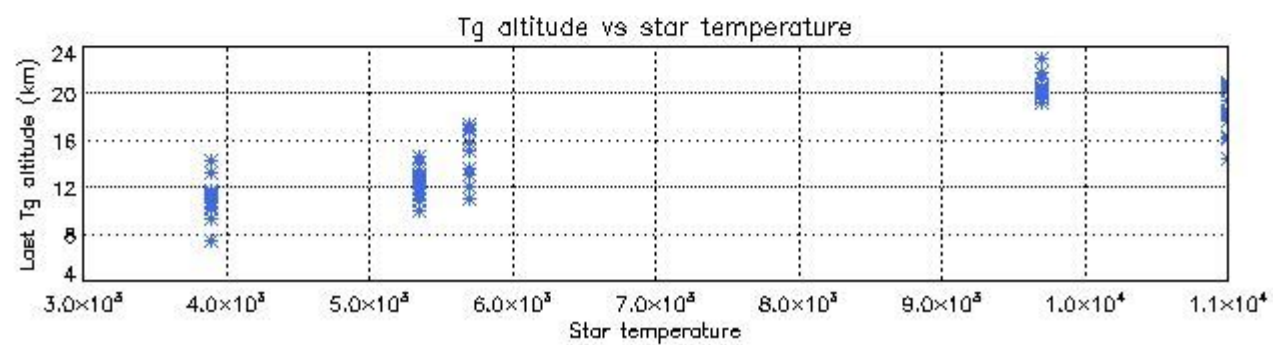
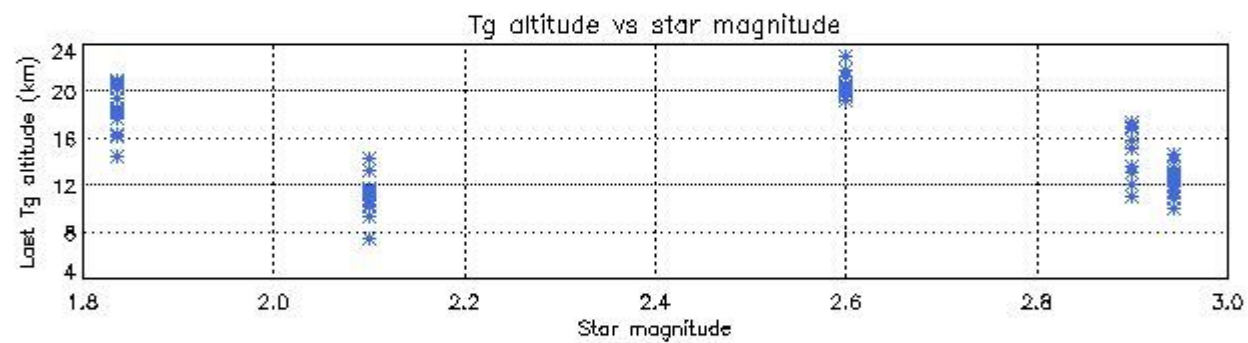
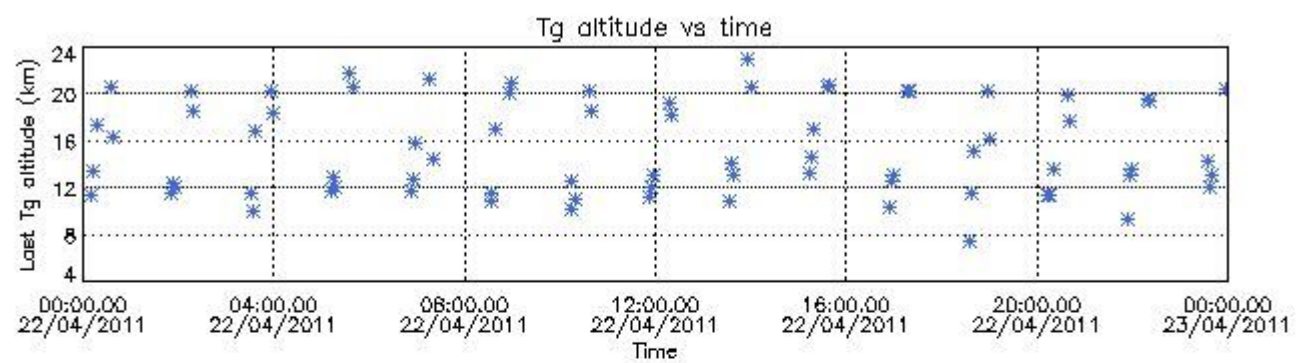
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.338	19.459	NaN
St. deviation:	3.9394	5.3429	NaN
Maximum:	22.918	35.518	NaN
Minimum:	7.4904	3.6302	NaN
Number of data:	74.000	138.00	NaN

### 6.2 Plot for DARK limb products

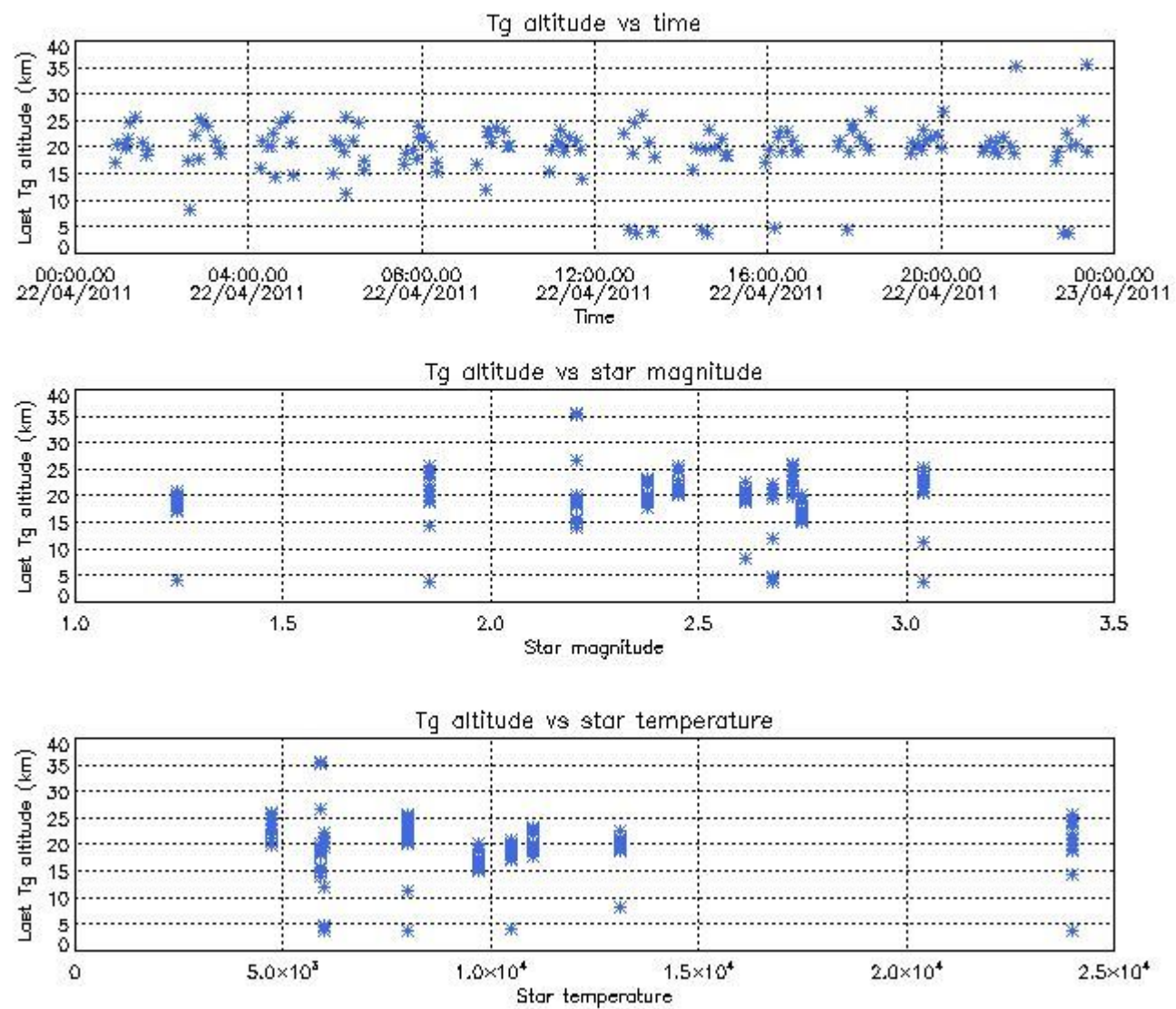


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

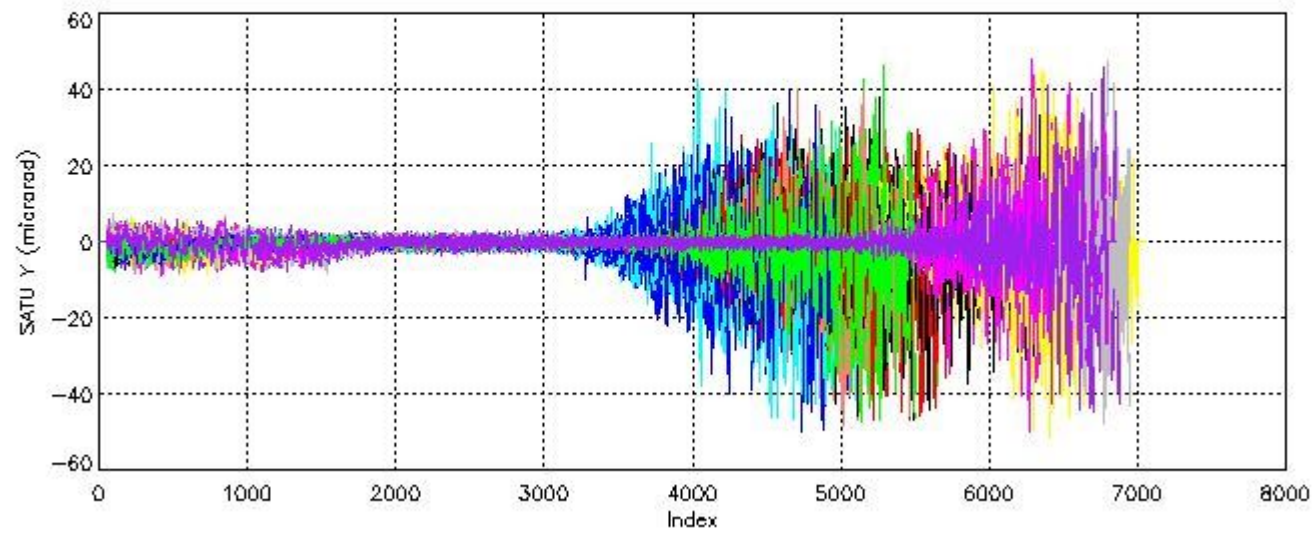
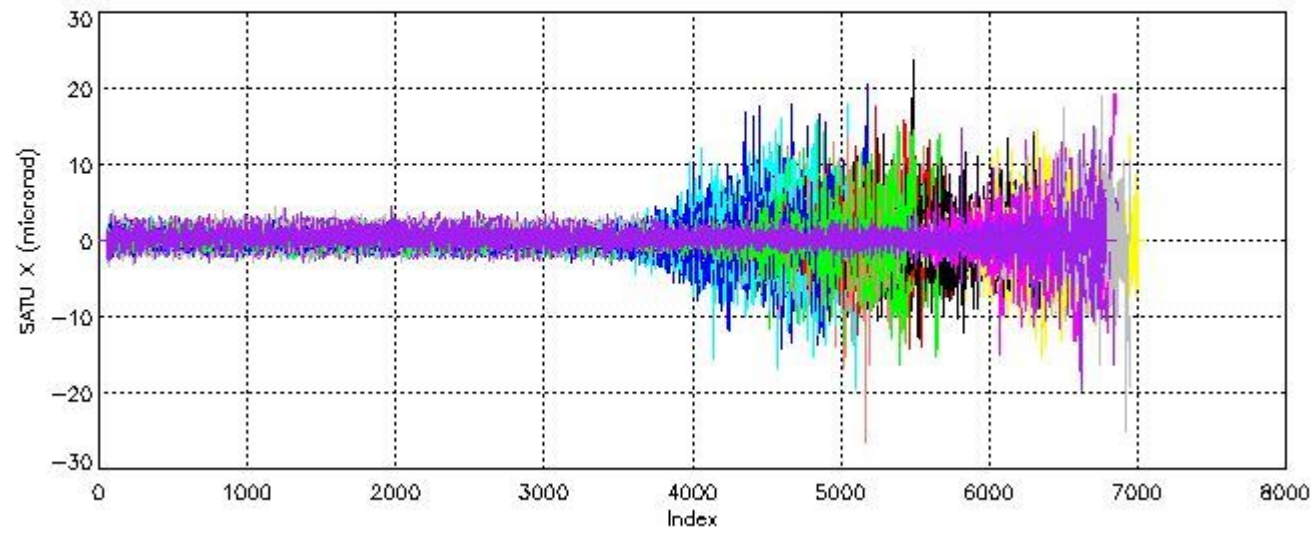


## 7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.32398	-1.0478	0.33407	-1.2362
St. deviation:	0.62274	1.5732	0.84991	1.6706
Maximum:	4.4000	7.5000	6.6000	8.0000
Minimum:	-3.4000	-9.0000	-6.1000	-11.500



Number of data:	96850.	96850.	1.5855E+05	1.5855E+05
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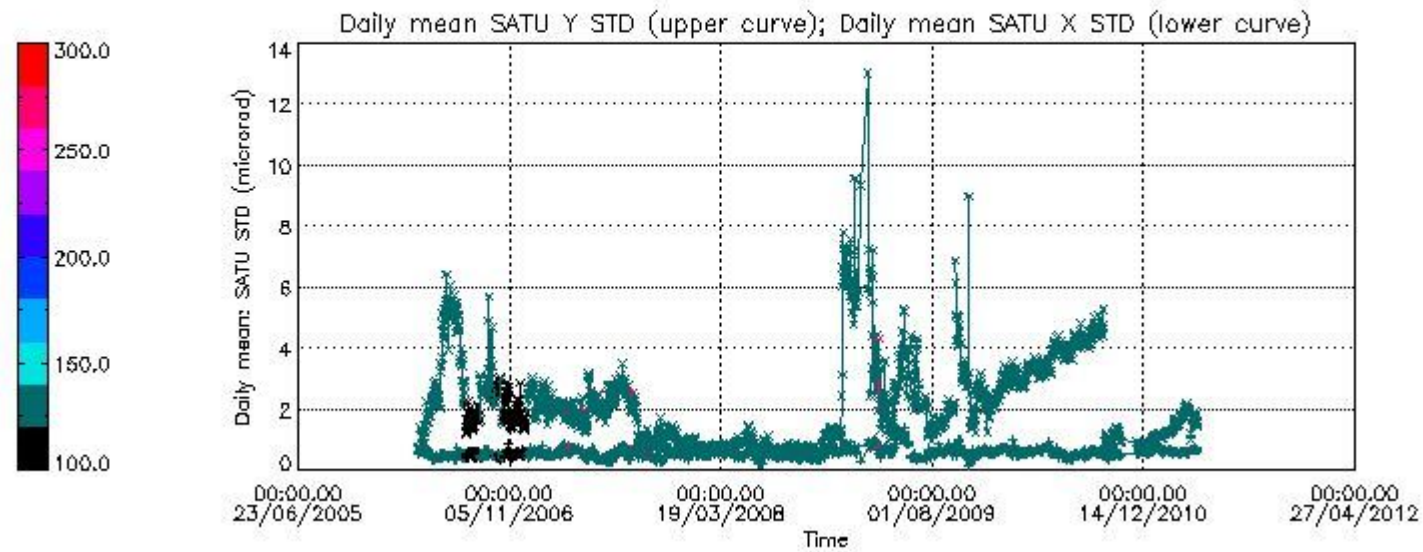
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

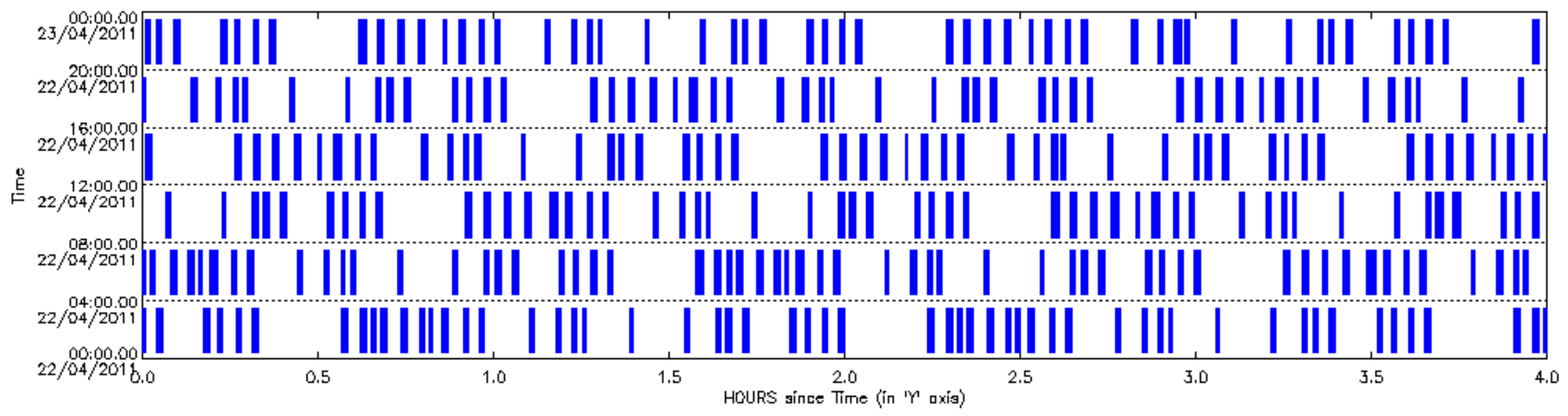


### 8. Auxiliary Data Files used for the production reported in section 2.4

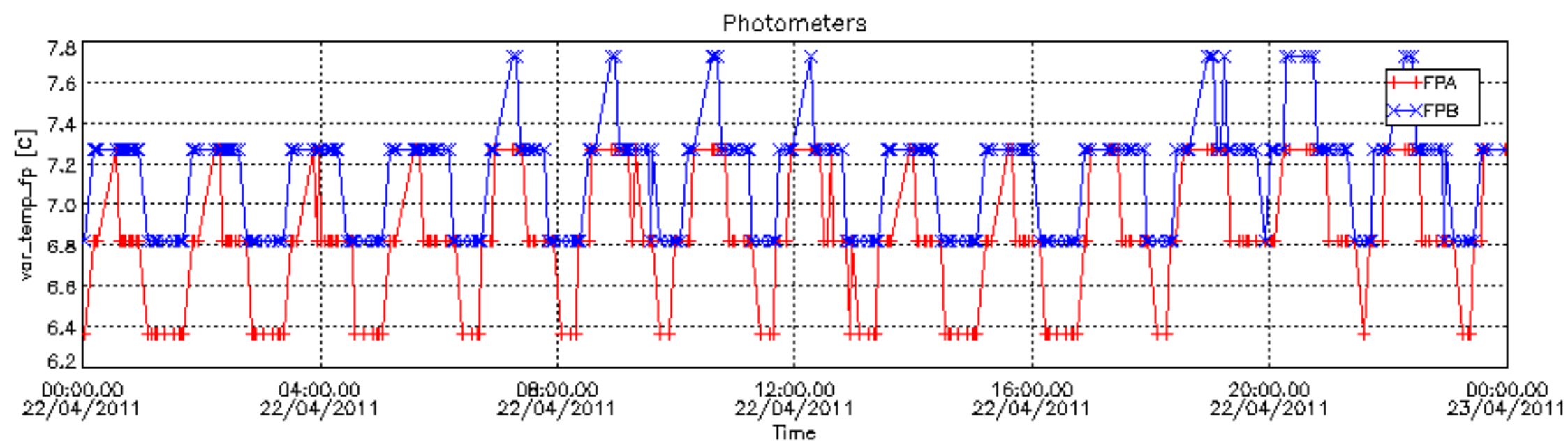
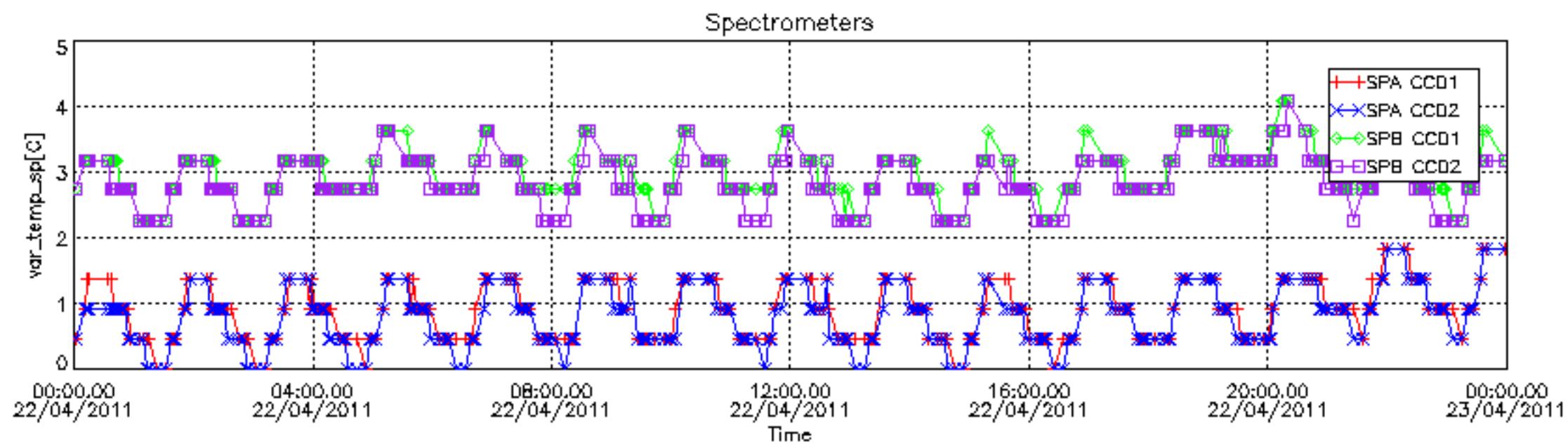
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

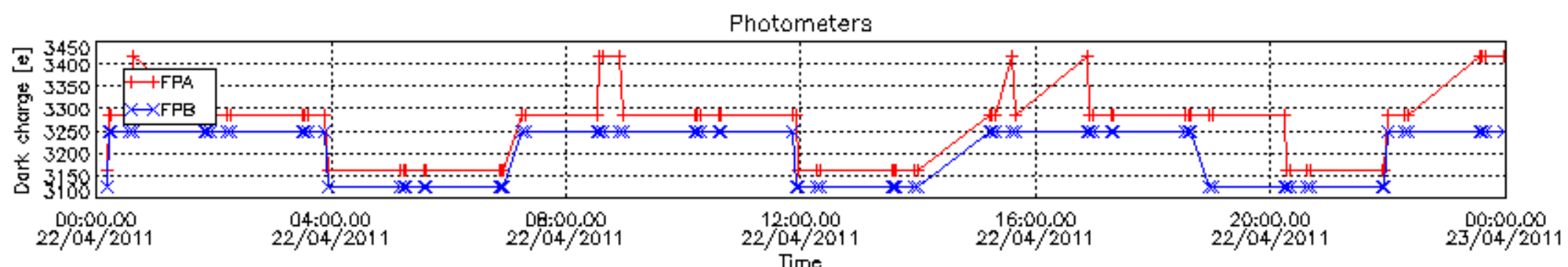
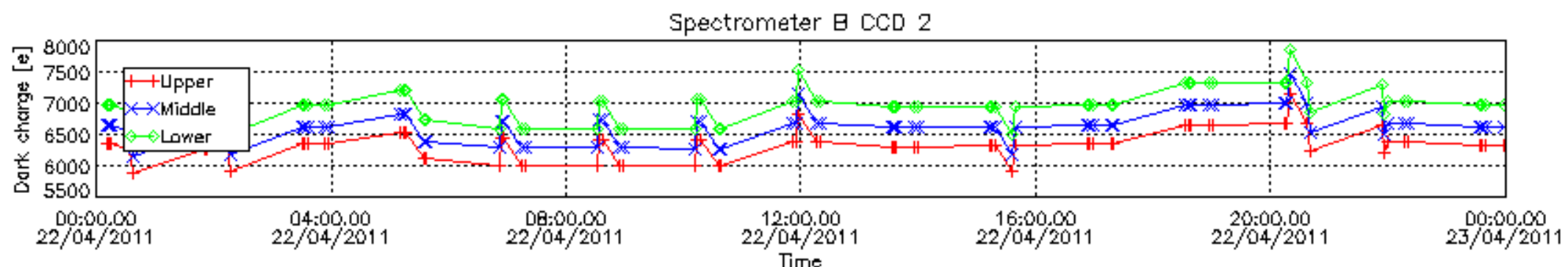
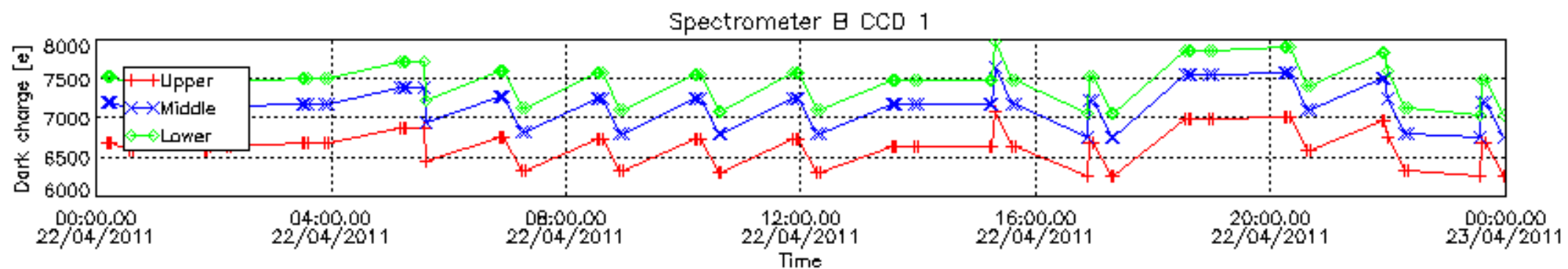
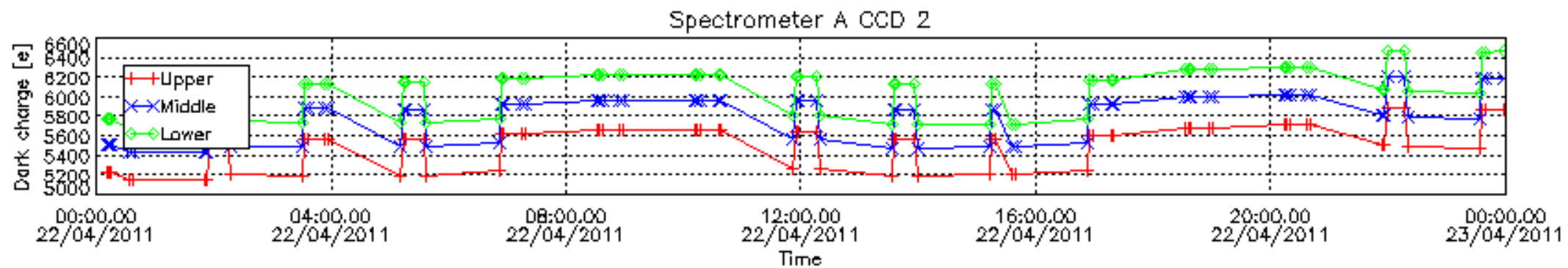
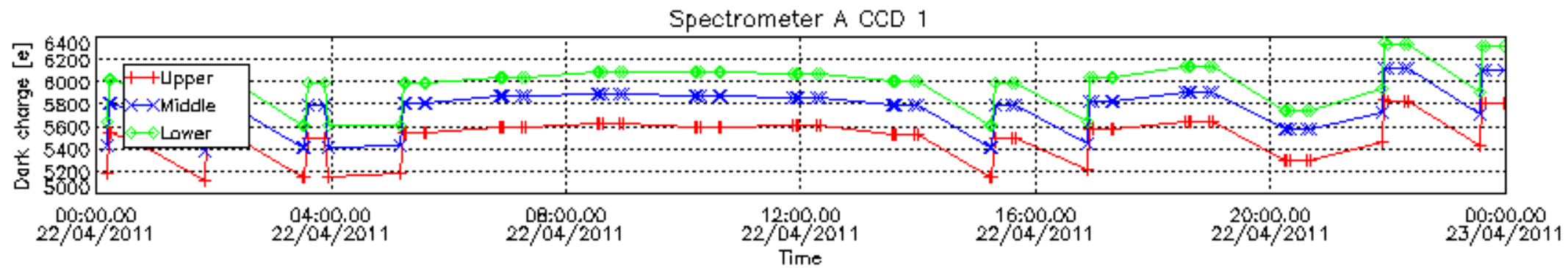
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	22-APR-2011 00:02:19
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110421_075944_20110419_000000_20500101_000000	1	22-APR-2011 00:02:19
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	22-APR-2011 00:02:19
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	22-APR-2011 00:02:19
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	22-APR-2011 00:02:19
ECMWF_FILE	AUX_ECF_AXNECM20110421_063335_20110421_210000_20110422_090000	1	22-APR-2011 00:02:19
ECMWF_FILE	AUX_ECF_AXNECM20110421_183333_20110422_030000_20110422_150000	42	22-APR-2011 03:12:48
ECMWF_FILE	AUX_ECA_AXNECM20110422_061604_20110421_210000_20110422_090000	86	22-APR-2011 06:33:16
ECMWF_FILE	AUX_ECF_AXNECM20110421_183333_20110422_030000_20110422_150000	101	22-APR-2011 07:38:18
ECMWF_FILE	AUX_ECF_AXNECM20110422_061604_20110422_090000_20110422_210000	122	22-APR-2011 09:18:32
ECMWF_FILE	AUX_ECF_AXNECM20110422_061605_20110422_150000_20110423_030000	200	22-APR-2011 15:53:09
ECMWF_FILE	AUX_ECA_AXNECM20110422_182910_20110422_090000_20110422_210000	219	22-APR-2011 17:30:42
ECMWF_FILE	AUX_ECF_AXNECM20110422_061605_20110422_150000_20110423_030000	258	22-APR-2011 20:47:04
ECMWF_FILE	AUX_ECF_AXNECM20110422_061605_20110422_210000_20110423_090000	274	22-APR-2011 21:59:05
OPTIONAL_ECMWF_FILE	MISSING	1	22-APR-2011 00:02:19
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110421_101335_20110420_182423_20110430_203811	1	22-APR-2011 00:02:19
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110422_001305_000057383101_00375_47803_2961.N1	5	22-APR-2011 00:33:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110422_015402_000038263101_00376_47804_2962.N1	26	22-APR-2011 01:56:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110422_030306_000060573101_00377_47805_2963.N1	42	22-APR-2011 03:12:48
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110422_044922_000054193101_00378_47806_2964.N1	64	22-APR-2011 04:53:02

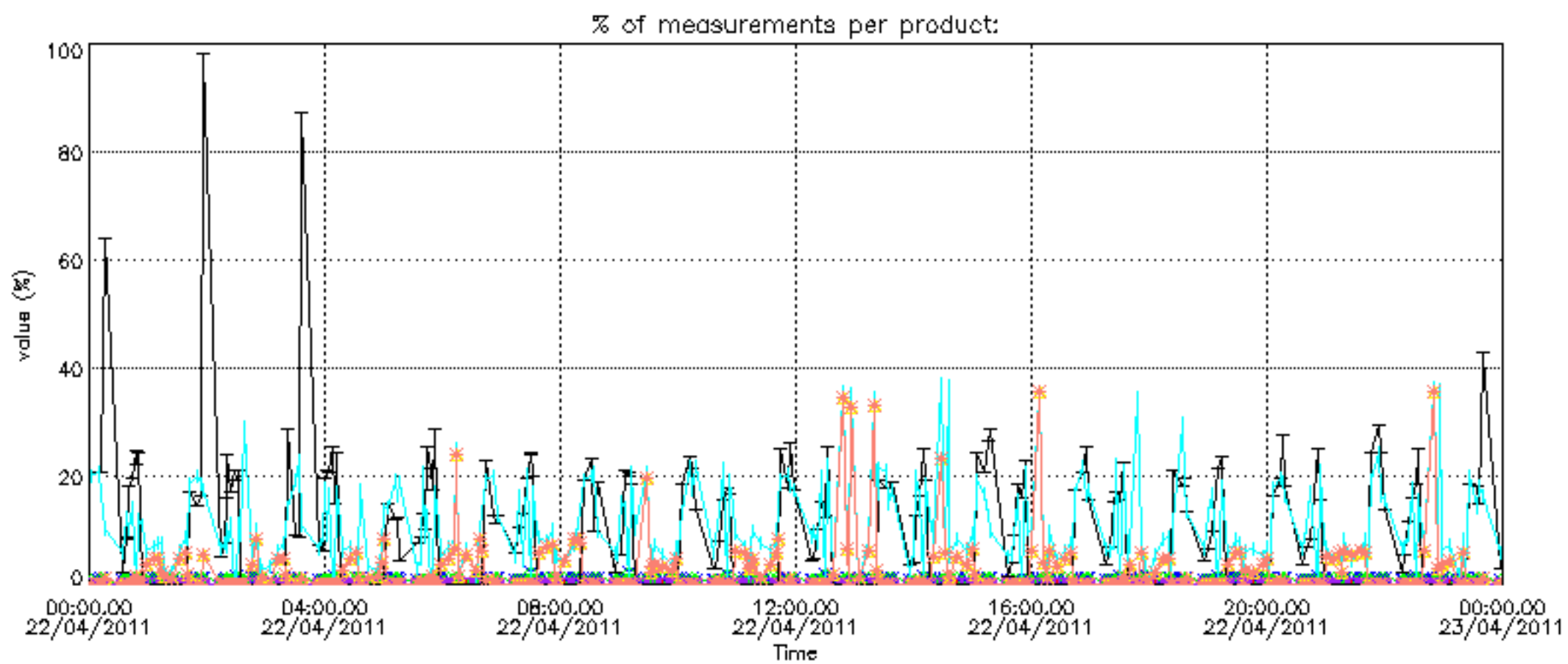
ORBIT_DATA_FILE	DOR_NAV_OPNPK20110422_062500_000038263101_00379_47807_4373.N1	86	22-APR-2011 06:33:16
ORBIT_DATA_FILE	DOR_NAV_OPNPK20110422_073404_000057383101_00380_47808_4374.N1	101	22-APR-2011 07:38:18
ORBIT_DATA_FILE	DOR_NAV_OPNPK20110422_091502_000057383101_00381_47809_4375.N1	122	22-APR-2011 09:18:32
ORBIT_DATA_FILE	DOR_NAV_OPNPK20110422_105559_000057383101_00382_47810_4376.N1	142	22-APR-2011 10:58:45
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110421_101335_20110420_182423_20110430_203811	161	22-APR-2011 12:36:19
ORBIT_DATA_FILE	DOR_NAV_OPNPK20110422_141234_000054193101_00384_47812_4378.N1	181	22-APR-2011 14:16:33
ORBIT_DATA_FILE	DOR_NAV_OPNPK20110422_154812_000057383101_00385_47813_4379.N1	200	22-APR-2011 15:53:09
ORBIT_DATA_FILE	DOR_NAV_OPNPK20110422_172909_000054193101_00386_47814_4380.N1	219	22-APR-2011 17:30:42
ORBIT_DATA_FILE	DOR_NAV_OPNPK20110422_190448_000057383101_00387_47815_4381.N1	238	22-APR-2011 19:06:49
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110421_101335_20110420_182423_20110430_203811	258	22-APR-2011 20:47:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110422_215449_000060573101_00388_47816_2966.N1	274	22-APR-2011 21:59:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110422_233546_000057383101_00389_47817_2967.N1	295	22-APR-2011 23:57:28





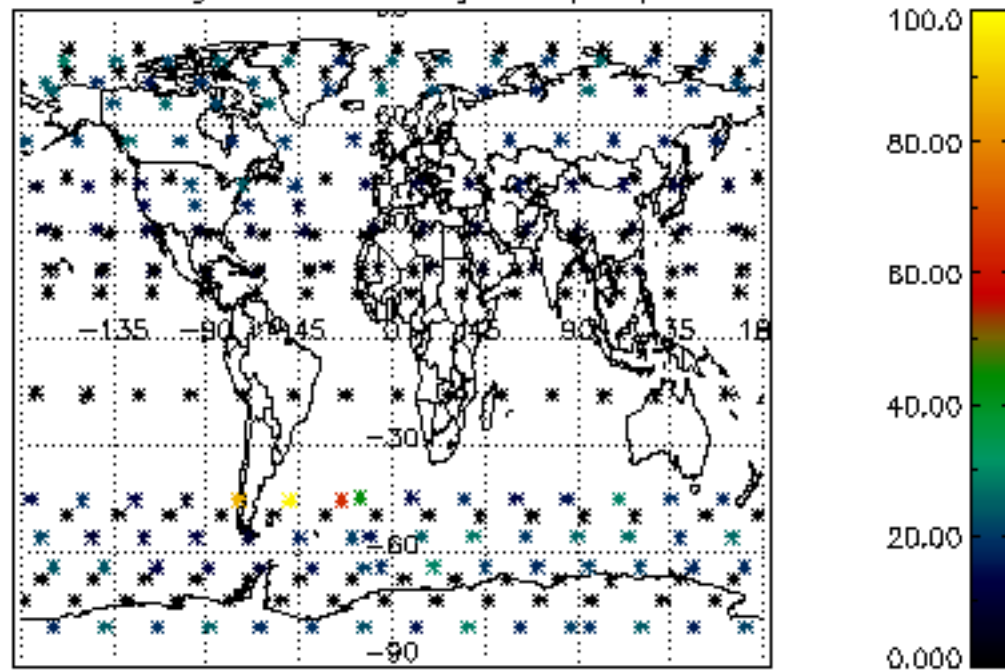




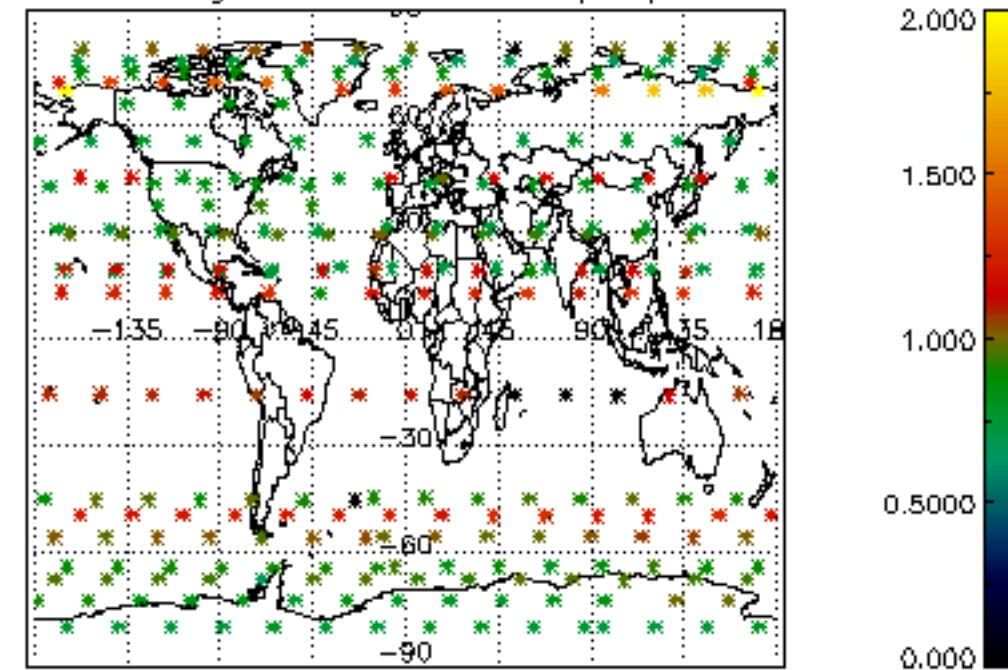




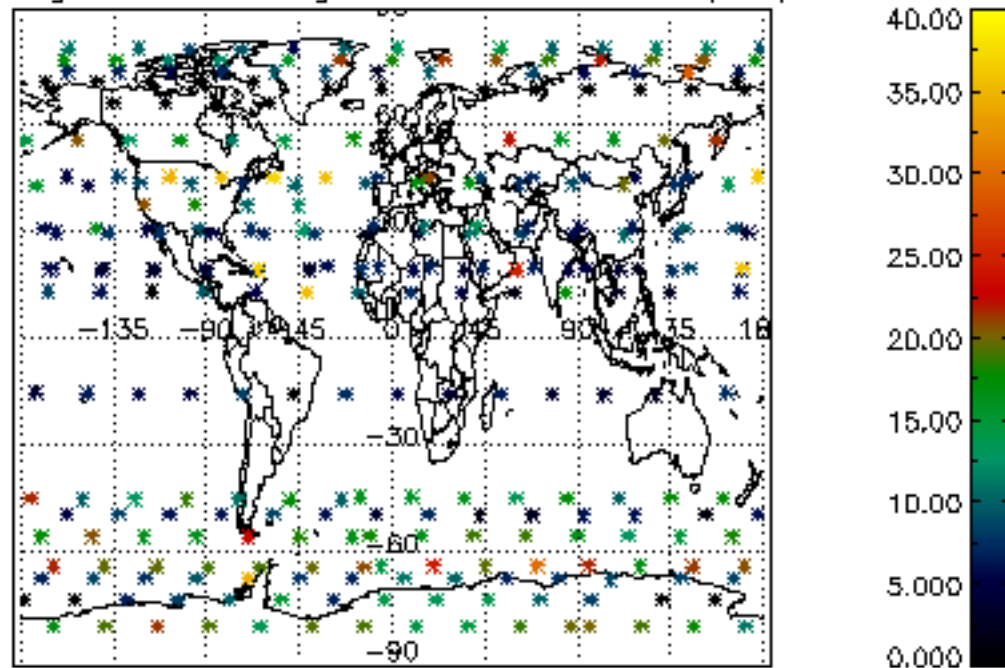
Percentage of cosmic ray hits per profile



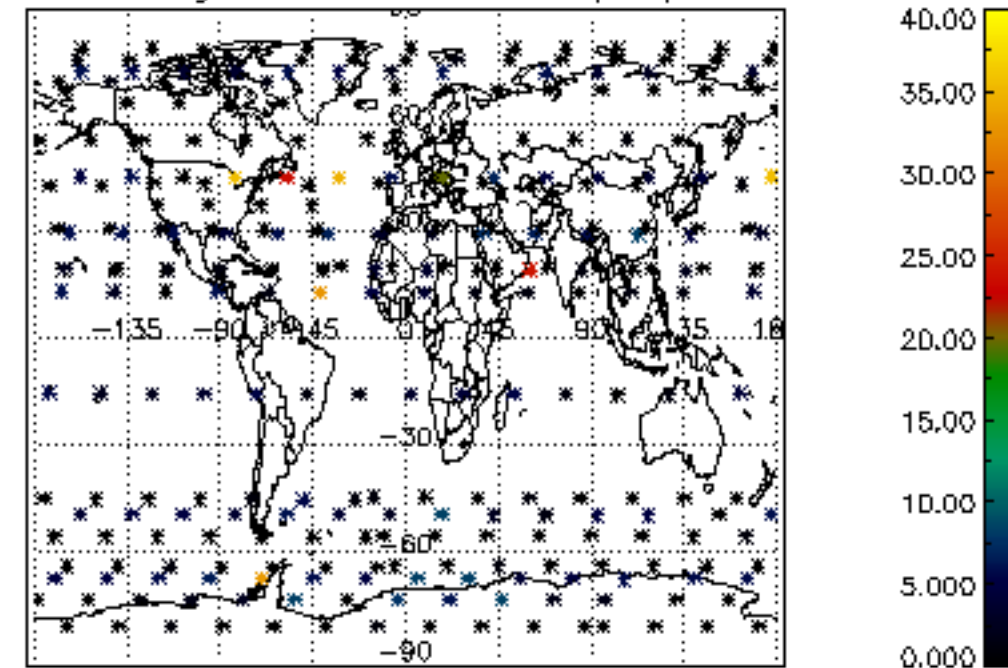
Percentage of datation errors per profile



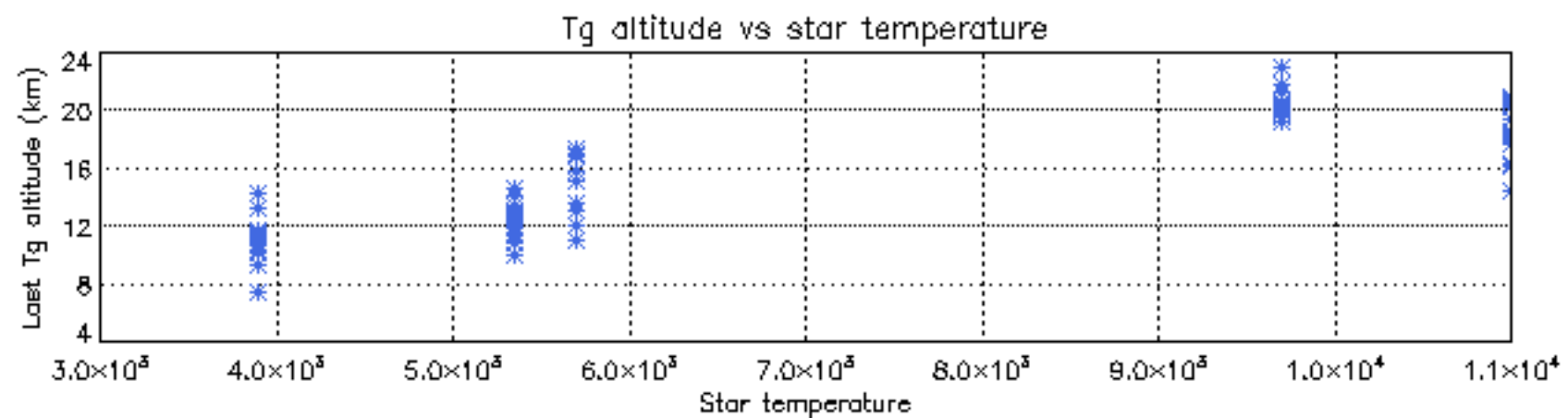
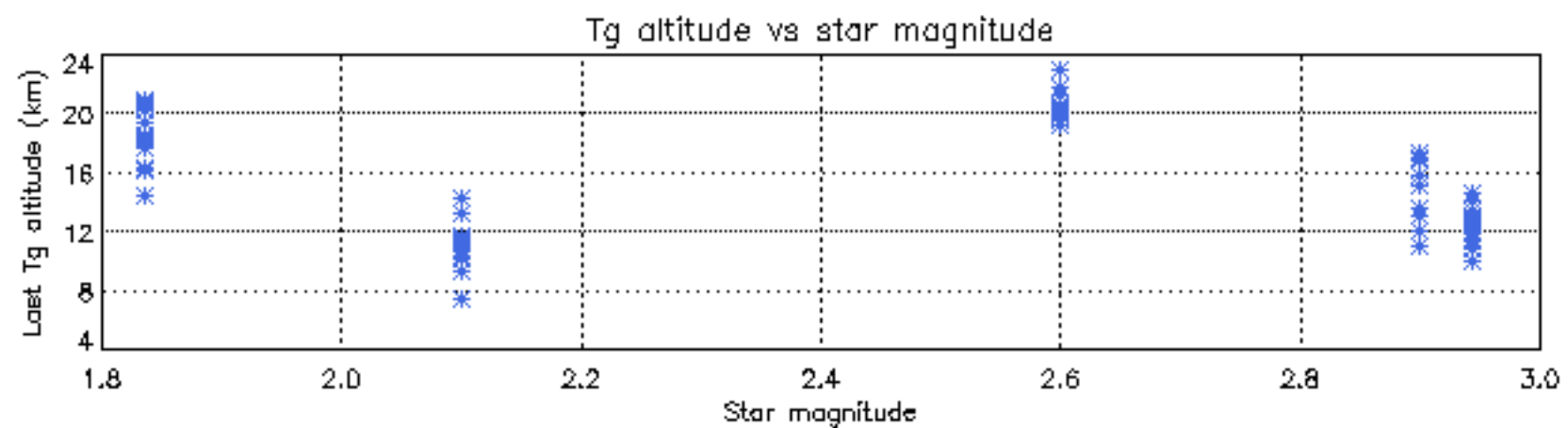
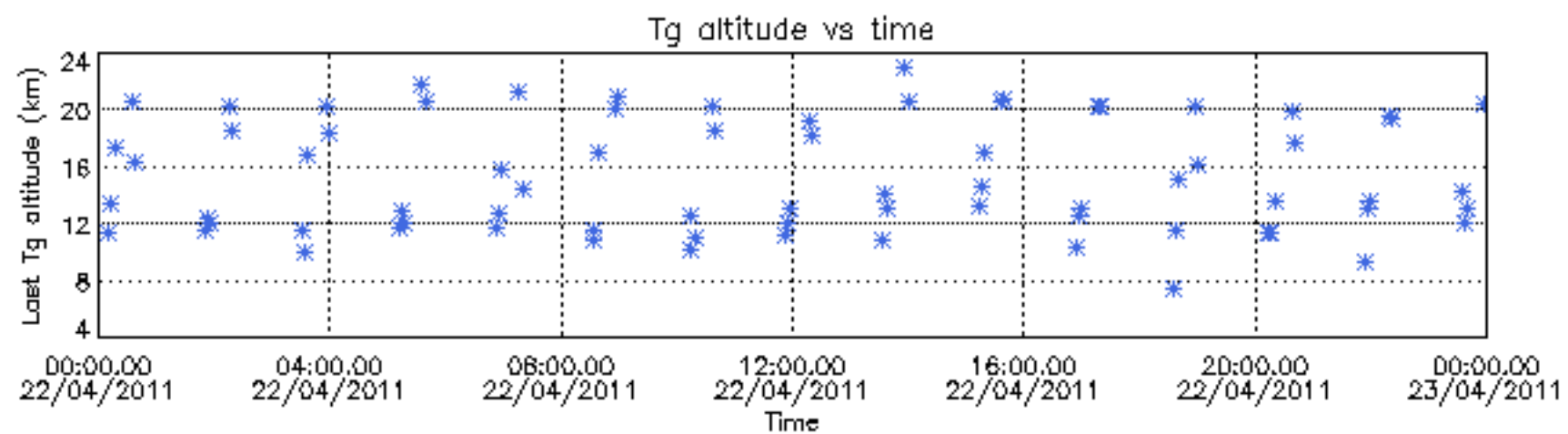
Percentage of star falling outside central band per profile



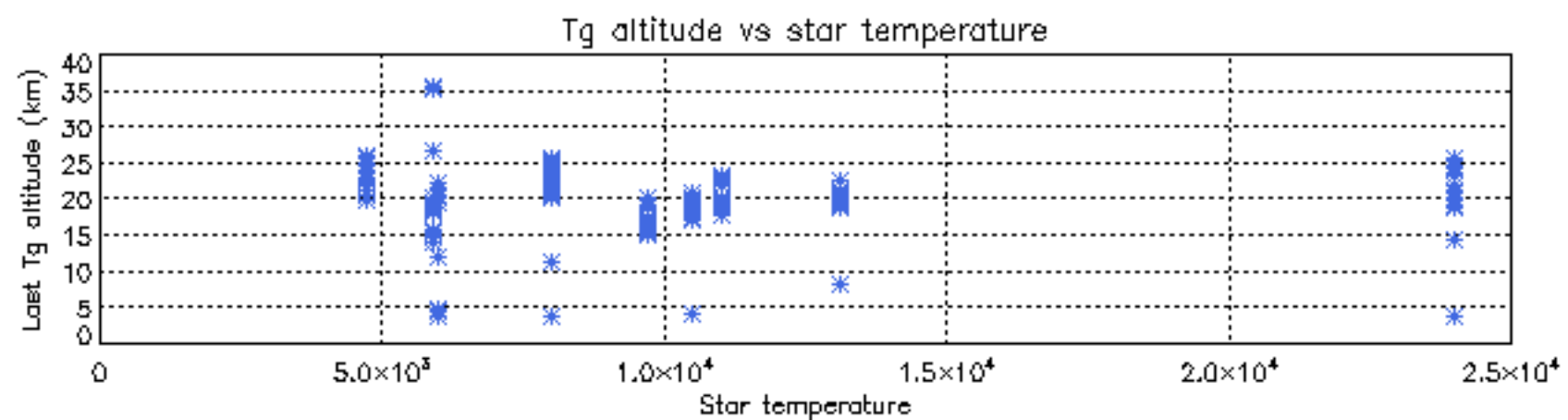
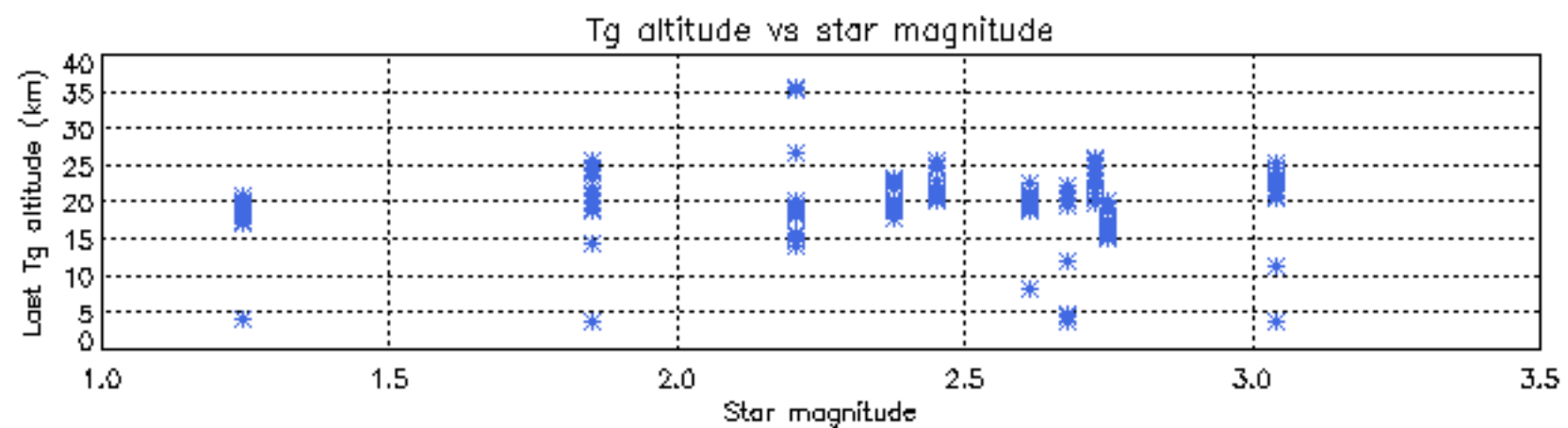
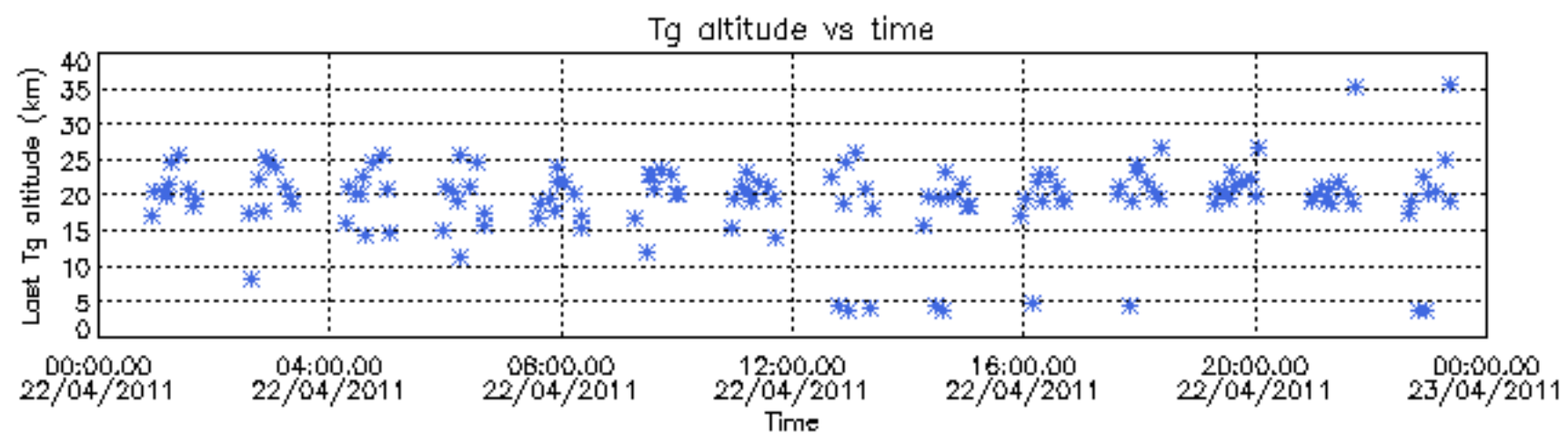
Percentage of saturation errors per profile

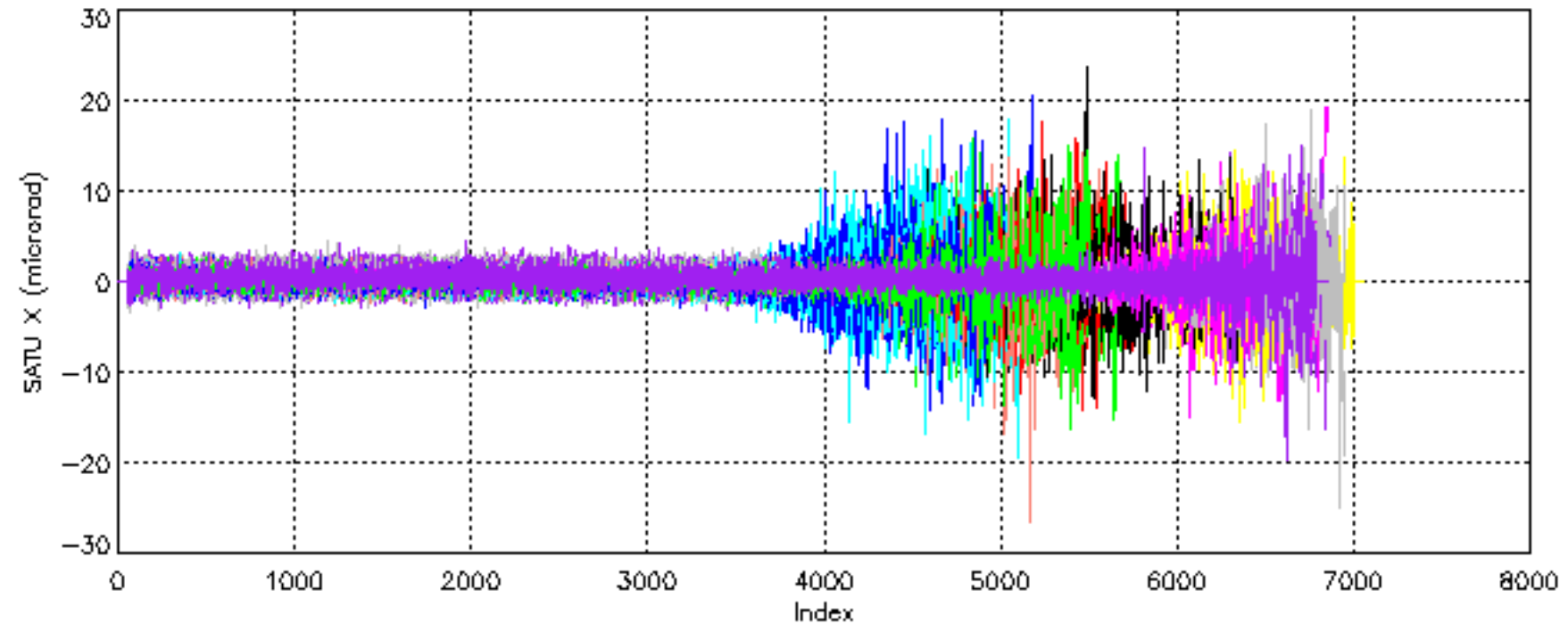


Tangent altitude at which the star is lost

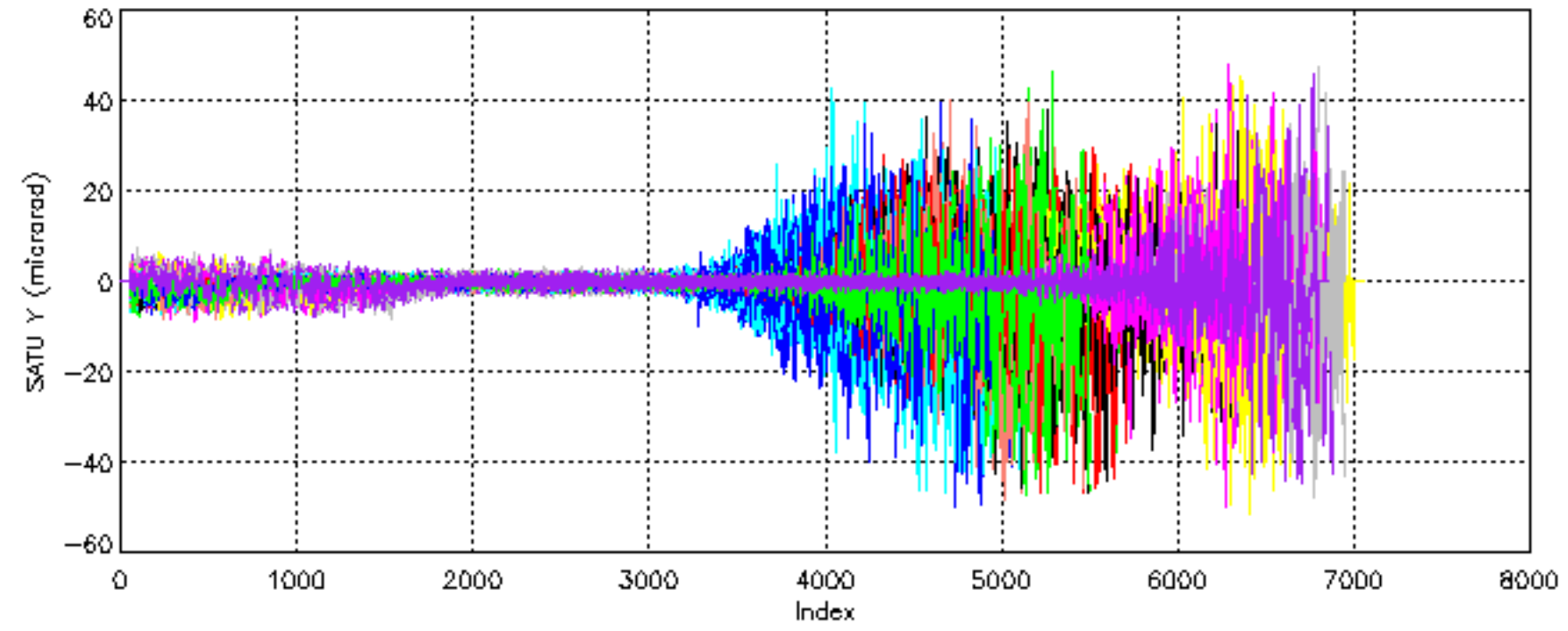


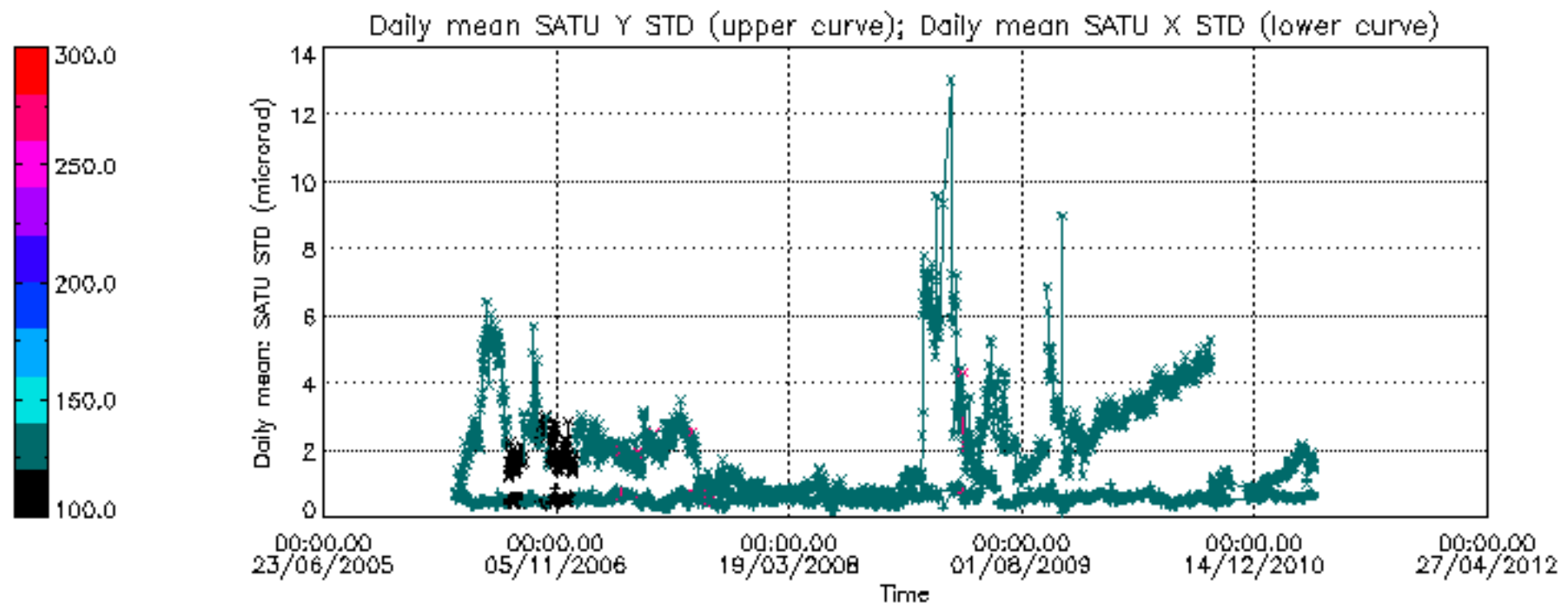
Tangent altitude at which the star is lost











/nas3/ENVISAT/GOMOS/GOM\_NL\_0P/GOM\_NL\_0PNPDE20110401\_013316\_000096793101\_00074\_47502\_2571.N1

1; -306.9; 01-APR-2011 01:33:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47502  
 2; -143.9; 01-APR-2011 01:35:59; Dark ; 52.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 104; 0;47502  
 3; 295.7; 01-APR-2011 01:43:19; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;47503  
 4; 512.8; 01-APR-2011 01:46:56; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;47503  
 5; 670.4; 01-APR-2011 01:49:33; Dark ; 56.0; 4; Alp1Cen ;-0.01; 5800;occ; 112; 0;47503  
 6; 835.1; 01-APR-2011 01:52:18; Dark ; 47.0; 78; Alp Lup ; 2.30; 28000;occ; 94; 0;47503  
 7; 930.9; 01-APR-2011 01:53:54; Dark ; 46.5; 81; Eta Cen ; 2.36; 28000;occ; 93; 0;47503  
 8; 1093.7; 01-APR-2011 01:56:37; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;47503  
 9; 1450.9; 01-APR-2011 02:02:34; Dark ; 49.5; 106; 9Bet Crv ; 2.65; 5600;occ; 99; 0;47503  
 10; 1568.0; 01-APR-2011 02:04:31; Dark ; 45.5; 100; 4Gam Crv ; 2.58; 13100;occ; 91; 0;47503  
 11; 1675.4; 01-APR-2011 02:06:18; Dark ; 54.0; 15; 67Alp Vir ; 0.98; 28000;occ; 108; 0;47503  
 12; 1869.7; 01-APR-2011 02:09:33; Bright; 43.5; 121; 29Gam Vir ; 2.74; 7200;occ; 87; 0;47503  
 13; 2146.7; 01-APR-2011 02:14:10; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;47503  
 14; 2650.8; 01-APR-2011 02:22:34; Bright; 38.5; 174; 52Psi UMa ; 3.00; 4400;occ; 77; 0;47503  
 15; 2830.6; 01-APR-2011 02:25:34; Bright; 51.0; 87; 64Gam UMa ; 2.43; 11000;occ; 102; 0;47503  
 16; 2941.2; 01-APR-2011 02:27:24; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;47503  
 17; 3317.4; 01-APR-2011 02:33:40; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;47503  
 18; 3882.0; 01-APR-2011 02:43:05; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;47503  
 19; 4176.1; 01-APR-2011 02:47:59; Bright; 68.0; 144; 18Del Cyg ; 2.86; 11000;occ; 136; 0;47503  
 20; 4290.9; 01-APR-2011 02:49:54; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;47503  
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31; 7481.6; 07-APR-2011 03:23:07; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;47590

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7; 989.5; 08-APR-2011 02:38:25; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;47604  
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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
22;	7244.0;	18-APR-2011	16:37:53;	Dark	;	34.5;	158;	6Pi Sco	;	2.91;	28000;occ;	69;	0;	47756

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1;	1230.0;	18-APR-2011	16:37:53;	Dark	;	66.0;	158;	6Pi Sco	;	2.91;	28000;occ;	132;	0;	47756
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
9;	4105.6;	18-APR-2011	17:25:48;	Bright;	;	48.0;	144;	18Del Cyg	;	2.86;	11000;occ;	96;	0;	47756
10;	4272.1;	18-APR-2011	17:28:35;	Bright;	;	58.0;	66;	37Gam Cyg	;	2.21;	5900;occ;	116;	0;	47756
11;	4435.4;	18-APR-2011	17:31:18;	Dark	;	64.0;	92;	53Eps Cyg	;	2.50;	4500;occ;	128;	0;	47756
12;	4899.4;	18-APR-2011	17:39:02;	Dark	;	54.5;	61;	8Eps Peg	;	2.10;	3900;occ;	109;	0;	47756
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
17;	6245.2;	18-APR-2011	18:01:28;	Dark	;	68.5;	103;	38Zet Sgr	;	2.60;	9700;occ;	137;	0;	47757
18;	6450.4;	18-APR-2011	18:04:53;	Dark	;	62.5;	38;	20Eps Sgr	;	1.84;	11000;occ;	125;	0;	47757
19;	6576.4;	18-APR-2011	18:06:59;	Dark	;	58.0;	178;	Iot1Sco	;	3.02;	6550;occ;	116;	0;	47757
20;	6672.5;	18-APR-2011	18:08:35;	Dark	;	61.0;	25;	35Lam Sco	;	1.62;	28000;occ;	122;	0;	47757
21;	6898.7;	18-APR-2011	18:12:21;	Dark	;	70.0;	75;	26Eps Sco	;	2.29;	4250;occ;	140;	0;	47757
22;	7022.2;	18-APR-2011	18:14:25;	Dark	;	42.5;	109;	Bet Lup	;	2.68;	26000;occ;	85;	0;	47757

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1;	1230.5;	18-APR-2011	18:18:07;	Dark	;	66.5;	158;	6Pi Sco	;	2.91;	28000;occ;	133;	0;	47757
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
4;	2560.6;	18-APR-2011	18:40:17;	Bright;	;	55.5;	83;		;	2.38;	11000;occ;	111;	0;	47757
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
9;	4105.1;	18-APR-2011	19:06:02;	Bright;	;	48.0;	144;	18Del Cyg	;	2.86;	11000;occ;	96;	0;	47757
10;	4271.8;	18-APR-2011	19:08:49;	Bright;	;	58.0;	66;	37Gam Cyg	;	2.21;	5900;occ;	116;	0;	47757
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
15;	5355.5;	18-APR-2011	19:26:52;	Dark	;	44.5;	142;	49Del Cap	;	2.85;	8900;occ;	89;	0;	47757
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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1; -627.8; 19-APR-2011 00:28:05; Dark ; 46.0; 142; 49Del Cap ; 2.85; 8900;occ; 92; 58;47760  
 2; -41.0; 19-APR-2011 00:37:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47760  
 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  
 10; 1561.4; 19-APR-2011 01:04:34; Dark ; 58.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 117; 0;47761  
 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  
 21; 5049.6; 19-APR-2011 02:02:42; Dark ; 46.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 92; 0;47761

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 2; -39.8; 19-APR-2011 02:18:07; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;47761  
 3; 239.6; 19-APR-2011 02:22:46; Dark ; 65.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 130; 0;47762  
 4; 443.9; 19-APR-2011 02:26:11; Dark ; 64.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 129; 0;47762  
 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  
 9; 1233.3; 19-APR-2011 02:39:20; Dark ; 62.5; 158; 6Pi Sco ; 2.91; 28000;occ; 125; 0;47762  
 10; 1561.7; 19-APR-2011 02:44:48; Dark ; 56.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 112; 0;47762  
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 12; 2555.8; 19-APR-2011 03:01:22; Bright; 52.5; 83; ; 2.38; 11000;occ; 105; 0;47762  
 13; 2717.9; 19-APR-2011 03:04:05; Bright; 48.5; 180; 27Gam Boo ; 3.04; 8000;occ; 97; 0;47762  
 14; 2868.7; 19-APR-2011 03:06:35; Bright; 39.0; 55; 79Zet UMA ; 2.06; 10200;occ; 78; 0;47762  
 15; 3299.5; 19-APR-2011 03:13:46; Bright; 47.0; 119; 14Eta Dra ; 2.73; 4700;occ; 94; 0;47762

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 2; -1911.0; 19-APR-2011 03:27:10; Bright; 35.0; 144; 18Del Cyg ; 2.86; 11000;occ; 70; 0;47762  
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 4; -1742.9; 19-APR-2011 03:29:58; Bright; 58.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 116; 0;47762  
 5; -1578.3; 19-APR-2011 03:32:42; Dark ; 66.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 132; 0;47762  
 6; -1111.6; 19-APR-2011 03:40:29; Dark ; 55.0; 61; 8Eps Peg ; 2.10; 3900;occ; 110; 0;47762  
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 8; -794.7; 19-APR-2011 03:45:46; Dark ; 52.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 104; 0;47762  
 9; -655.5; 19-APR-2011 03:48:05; Dark ; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;47762  
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 11; 241.6; 19-APR-2011 04:03:02; Dark ; 65.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 130; 0;47763  
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 13; 569.4; 19-APR-2011 04:08:30; Dark ; 55.0; 178; Iot1Sco ; 3.02; 6550;occ; 110; 0;47763  
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 18; 1561.7; 19-APR-2011 04:25:02; Dark ; 56.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 113; 0;47763  
 19; 2264.8; 19-APR-2011 04:36:45; Bright; 43.0; 111; 8Eta Boo ; 2.68; 6000;occ; 86; 0;47763  
 20; 2555.1; 19-APR-2011 04:41:36; Bright; 53.0; 83; ; 2.38; 11000;occ; 106; 0;47763  
 21; 2717.2; 19-APR-2011 04:44:18; Bright; 71.0; 180; 27Gam Boo ; 3.04; 8000;occ; 142; 0;47763  
 22; 2868.6; 19-APR-2011 04:46:49; Bright; 38.0; 55; 79Zet UMA ; 2.06; 10200;occ; 76; 0;47763  
 23; 3298.9; 19-APR-2011 04:54:00; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;47763

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1; -2165.9; 19-APR-2011 06:43:23; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;47764  
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 4; -1743.2; 19-APR-2011 06:50:26; Bright; 59.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 119; 0;47764  
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7; -962.5; 19-APR-2011 07:03:26; Dark ; 48.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 97; 0;47764
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13; 572.0; 19-APR-2011 07:29:01; Dark ; 55.0; 178; Iot1Sco ; 3.02; 6550;occ; 110; 0;47765
14; 668.2; 19-APR-2011 07:30:37; Dark ; 60.5; 25; 35Lam Sco ; 1.62; 28000;occ; 121; 0;47765
15; 892.7; 19-APR-2011 07:34:21; Dark ; 66.5; 75; 26Eps Sco ; 2.29; 4250;occ; 133; 0;47765
16; 1012.2; 19-APR-2011 07:36:21; Dark ; 42.5; 109; Bet Lup ; 2.68; 26000;occ; 85; 0;47765
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