

GOMOS Daily Report 23-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	26APR2011 12:04:54
Data source version	GOMOS/5.01
Start time of products	23APR2011 00:00:38
Stop time of products	23APR2011 23:59:36
Store outputs in DB	Yes
Nb of level 1b prods	282
Nb of prods with errors	5

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

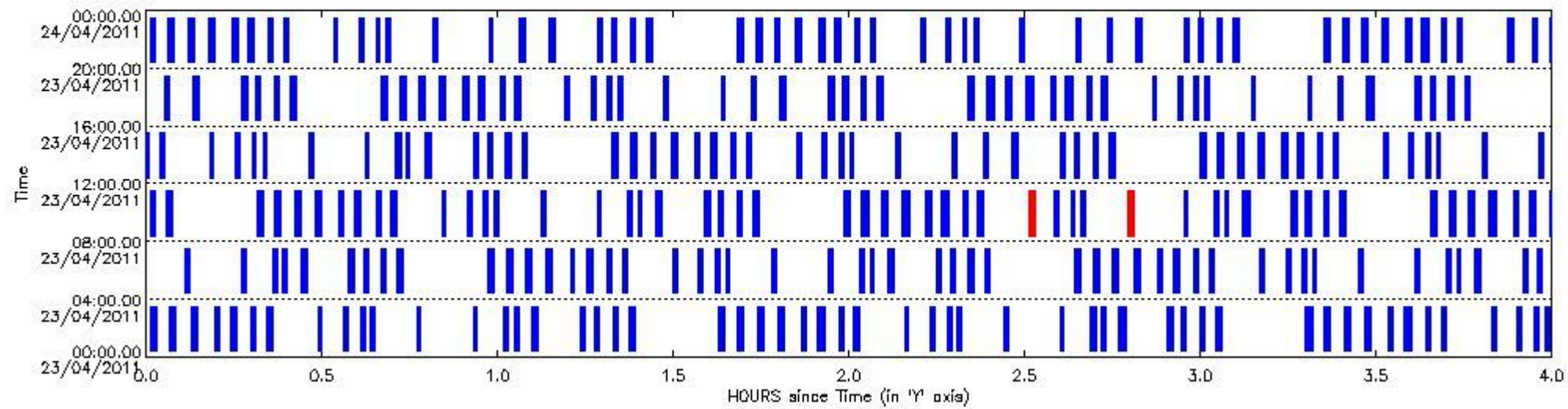
2.1 Level 0 products arrived in PCF (see template [here](#))

2.2 Plot of mission plan versus Level 0 production arrived in PCF during reporting period

Red segments are missing products.

Blue segments are available products.

Green segments are calibration measurements (not available products to users).



2.3 Summary of missing occultations (red segments in previous plot)

UTC start time	Star name	Star ID	Orbit
23-APR-2011 10:30:42	8EtaBoo	111	47824
23-APR-2011 10:47:36	14EtaDra	119	47824

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_1PNPDE20110423_000038_000000653101_00390_47818_7480.N1	23-APR-2011 00:00:38	Dark	64.500	38	20Eps Sgr	1.8360	11000.	129	47818	No
2	GOM_TRA_1PNPDE20110423_000401_000000593101_00390_47818_7481.N1	23-APR-2011 00:04:01	Straylight	58.500	25	35Lam Sco	1.6200	28000.	117	47818	No
3	GOM_TRA_1PNPDE20110423_000733_000000653101_00390_47818_7482.N1	23-APR-2011 00:07:33	Straylight	64.500	75	26Eps Sco	2.2910	4250.0	129	47818	No
4	GOM_TRA_1PNPDE20110423_001141_000000413101_00390_47818_7483.N1	23-APR-2011 00:11:41	Straylight	41.000	16	21Alp Sco	1.0200	3000.0	82	47818	No
5	GOM_TRA_1PNPDE20110423_001421_000000673101_00390_47818_7484.N1	23-APR-2011 00:14:21	Twilight_stray	66.500	80	7Del Sco	2.3160	30000.	133	47818	No
6	GOM_TRA_1PNPDE20110423_001758_000000493101_00390_47818_7485.N1	23-APR-2011 00:17:58	Bright	49.000	122	9Alp2Lib	2.7470	9700.0	98	47818	No
7	GOM_TRA_1PNPDE20110423_002036_000000583101_00390_47818_7486.N1	23-APR-2011 00:20:36	Bright	58.000	104	27Bet Lib	2.6140	13100.	116	47818	No
8	GOM_TRA_1PNPDE20110423_002915_000000423101_00390_47818_7487.N1	23-APR-2011 00:29:15	Bright	42.000	111	8Eta Boo	2.6800	6000.0	84	47818	No
9	GOM_TRA_1PNPDE20110423_003339_000000523101_00390_47818_7488.N1	23-APR-2011 00:33:39	Bright	51.500	83		2.3780	11000.	103	47818	No

10	GOM_TRA_1PNPDE20110423_003629_000000483101_00390_47818_7489.N1	23-APR-2011 00:36:29	Bright	47.500	180	27Gam Boo	3.0400	8000.0	95	47818	No
11	GOM_TRA_1PNPDE20110423_003816_000000383101_00390_47818_7490.N1	23-APR-2011 00:38:16	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	47818	No
12	GOM_TRA_1PNPDE20110423_004611_000000423101_00390_47818_7491.N1	23-APR-2011 00:46:11	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	47818	No
13	GOM_TRA_1PNPDE20110423_005547_000000413101_00390_47818_7492.N1	23-APR-2011 00:55:47	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	47818	No
14	GOM_TRA_1PNPDE20110423_010100_000000533101_00390_47818_7493.N1	23-APR-2011 01:01:00	Bright	53.000	19	50Alp Cyg	1.2460	10500.	106	47818	No
15	GOM_TRA_1PNPDE20110423_010251_000000453101_00390_47818_7494.N1	23-APR-2011 01:02:51	Bright	45.000	66	37Gam Cyg	2.2080	5900.0	90	47818	No
16	GOM_TRA_1PNPDE20110423_010550_000000683101_00390_47818_7495.N1	23-APR-2011 01:05:50	Tw_i_and_stray	67.500	92	53Eps Cyg	2.5000	4500.0	135	47818	No
17	GOM_TRA_1PNPDE20110423_011403_000000593101_00390_47818_7496.N1	23-APR-2011 01:14:03	Dark	59.000	61	8Eps Peg	2.1000	3900.0	118	47818	No
18	GOM_TRA_1PNPDE20110423_011631_000000513101_00390_47818_7497.N1	23-APR-2011 01:16:31	Dark	51.000	162	34Alp Aqr	2.9440	5350.0	102	47818	No
19	GOM_TRA_1PNPDE20110423_011935_000000543101_00390_47818_7508.N1	23-APR-2011 01:19:35	Dark	54.000	154	22Bet Aqr	2.8990	5700.0	108	47818	No
20	GOM_TRA_1PNPDE20110423_013743_000000693101_00391_47819_7509.N1	23-APR-2011 01:37:43	Dark	69.000	103	38Zet Sgr	2.6000	9700.0	138	47819	No
21	GOM_TRA_1PNPDE20110423_014053_000000653101_00391_47819_7510.N1	23-APR-2011 01:40:53	Dark	65.000	38	20Eps Sgr	1.8360	11000.	130	47819	No
22	GOM_TRA_1PNPDE20110423_014416_000000663101_00391_47819_7511.N1	23-APR-2011 01:44:16	Straylight	66.000	25	35Lam Sco	1.6200	28000.	132	47819	No
23	GOM_TRA_1PNPDE20110423_014748_000000643101_00391_47819_7512.N1	23-APR-2011 01:47:48	Straylight	64.000	75	26Eps Sco	2.2910	4250.0	128	47819	No
24	GOM_TRA_1PNPDE20110423_015156_000000413101_00391_47819_7513.N1	23-APR-2011 01:51:56	Straylight	41.000	16	21Alp Sco	1.0200	3000.0	82	47819	No
25	GOM_TRA_1PNPDE20110423_015435_000000733101_00391_47819_7514.N1	23-APR-2011 01:54:35	Tw_i_and_stray	72.500	80	7Del Sco	2.3160	30000.	145	47819	No
26	GOM_TRA_1PNPDE20110423_015812_000000503101_00391_47819_7515.N1	23-APR-2011 01:58:12	Bright	50.000	122	9Alp2Lib	2.7470	9700.0	100	47819	No
27	GOM_TRA_1PNPDE20110423_020050_000000583101_00391_47819_7516.N1	23-APR-2011 02:00:50	Bright	57.500	104	27Bet Lib	2.6140	13100.	115	47819	No
28	GOM_TRA_1PNPDE20110423_020929_000000423101_00391_47819_7517.N1	23-APR-2011 02:09:29	Bright	41.500	111	8Eta Boo	2.6800	6000.0	83	47819	No
29	GOM_TRA_1PNPDE20110423_021352_000000513101_00391_47819_7518.N1	23-APR-2011 02:13:52	Bright	51.000	83		2.3780	11000.	102	47819	No
30	GOM_TRA_1PNPDE20110423_021642_000000463101_00391_47819_7519.N1	23-APR-2011 02:16:42	Bright	46.000	180	27Gam Boo	3.0400	8000.0	92	47819	No
31	GOM_TRA_1PNPDE20110423_021829_000000393101_00391_47819_7520.N1	23-APR-2011 02:18:29	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	47819	No
32	GOM_TRA_1PNPDE20110423_022625_000000433101_00391_47819_7521.N1	23-APR-2011 02:26:25	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	47819	No
33	GOM_TRA_1PNPDE20110423_023601_000000413101_00391_47819_7522.N1	23-APR-2011 02:36:01	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	47819	No
34	GOM_TRA_1PNPDE20110423_024114_000000543101_00391_47819_7523.N1	23-APR-2011 02:41:14	Bright	54.000	19	50Alp Cyg	1.2460	10500.	108	47819	No
35	GOM_TRA_1PNPDE20110423_024305_000000453101_00391_47819_7524.N1	23-APR-2011 02:43:05	Bright	45.000	66	37Gam Cyg	2.2080	5900.0	90	47819	No
36	GOM_TRA_1PNPDE20110423_024604_000000703101_00391_47819_7525.N1	23-APR-2011 02:46:04	Tw_i_and_stray	69.500	92	53Eps Cyg	2.5000	4500.0	139	47819	No
37	GOM_TRA_1PNPDE20110423_025418_000000573101_00391_47819_7526.N1	23-APR-2011 02:54:18	Dark	56.500	61	8Eps Peg	2.1000	3900.0	113	47819	No
38	GOM_TRA_1PNPDE20110423_025645_000000503101_00391_47819_7527.N1	23-APR-2011 02:56:45	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	47819	No
39	GOM_TRA_1PNPDE20110423_025950_000000543101_00391_47819_7528.N1	23-APR-2011 02:59:50	Dark	53.500	154	22Bet Aqr	2.8990	5700.0	107	47819	No
40	GOM_TRA_1PNPDE20110423_031759_000000683101_00392_47820_7529.N1	23-APR-2011 03:17:59	Dark	68.000	103	38Zet Sgr	2.6000	9700.0	136	47820	No
41	GOM_TRA_1PNPDE20110423_032108_000000653101_00392_47820_7530.N1	23-APR-2011 03:21:08	Dark	64.500	38	20Eps Sgr	1.8360	11000.	129	47820	No
42	GOM_TRA_1PNPDE20110423_032431_000000633101_00392_47820_7531.N1	23-APR-2011 03:24:31	Straylight	63.000	25	35Lam Sco	1.6200	28000.	126	47820	No
43	GOM_TRA_1PNPDE20110423_032803_000000643101_00392_47820_7532.N1	23-APR-2011 03:28:03	Straylight	63.500	75	26Eps Sco	2.2910	4250.0	127	47820	No
44	GOM_TRA_1PNPDE20110423_033210_000000443101_00392_47820_7533.N1	23-APR-2011 03:32:10	Straylight	44.000	16	21Alp Sco	1.0200	3000.0	88	47820	No
45	GOM_TRA_1PNPDE20110423_033450_000000713101_00392_47820_7534.N1	23-APR-2011 03:34:50	Tw_i_and_stray	70.500	80	7Del Sco	2.3160	30000.	141	47820	No
46	GOM_TRA_1PNPDE20110423_033826_000000513101_00392_47820_7535.N1	23-APR-2011 03:38:26	Bright	50.500	122	9Alp2Lib	2.7470	9700.0	101	47820	No
47	GOM_TRA_1PNPDE20110423_034104_000000573101_00392_47820_7536.N1	23-APR-2011 03:41:04	Bright	57.000	104	27Bet Lib	2.6140	13100.	114	47820	No
48	GOM_TRA_1PNPDE20110423_034943_000000423101_00392_47820_7537.N1	23-APR-2011 03:49:43	Bright	42.000	111	8Eta Boo	2.6800	6000.0	84	47820	No
49	GOM_TRA_1PNPDE20110423_035405_000000493101_00392_47820_7538.N1	23-APR-2011 03:54:05	Bright	48.500	83		2.3780	11000.	97	47820	No
50	GOM_TRA_1PNPDE20110423_035656_000000463101_00392_47820_7539.N1	23-APR-2011 03:56:56	Bright	46.000	180	27Gam Boo	3.0400	8000.0	92	47820	No
51	GOM_TRA_1PNPDE20110423_035843_000000583101_00392_47820_7540.N1	23-APR-2011 03:58:43	Bright	58.000	39	85Eta UMa	1.8540	24000.	116	47820	No
52	GOM_TRA_1PNPDE20110423_040638_000000423101_00392_47820_7541.N1	23-APR-2011 04:06:38	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	47820	No
53	GOM_TRA_1PNPDE20110423_041614_000000413101_00392_47820_7544.N1	23-APR-2011 04:16:14	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	47820	No
54	GOM_TRA_1PNPDE20110423_042128_000000543101_00392_47820_7545.N1	23-APR-2011 04:21:28	Bright	54.000	19	50Alp Cyg	1.2460	10500.	108	47820	No
55	GOM_TRA_1PNPDE20110423_042319_000000393101_00392_47820_7546.N1	23-APR-2011 04:23:19	Tw_i_and_stray	39.000	66	37Gam Cyg	2.2080	5900.0	78	47820	No
56	GOM_TRA_1PNPDE20110423_042618_000000653101_00392_47820_7547.N1	23-APR-2011 04:26:18	Tw_i_and_stray	64.500	92	53Eps Cyg	2.5000	4500.0	129	47820	No
57	GOM_TRA_1PNPDE20110423_043432_000000563101_00392_47820_7548.N1	23-APR-2011 04:34:32	Dark	56.000	61	8Eps Peg	2.1000	3900.0	112	47820	No
58	GOM_TRA_1PNPDE20110423_043700_000000493101_00392_47820_7549.N1	23-APR-2011 04:37:00	Dark	48.500	162	34Alp Aqr	2.9440	5350.0	97	47820	No
59	GOM_TRA_1PNPDE20110423_044005_000000533101_00392_47820_7550.N1	23-APR-2011 04:40:05	Dark	53.000	154	22Bet Aqr	2.8990	5700.0	106	47820	No
60	GOM_TRA_1PNPDE20110423_045815_000000703101_00393_47821_7551.N1	23-APR-2011 04:58:15	Dark	70.000	103	38Zet Sgr	2.6000	9700.0	140	47821	No
61	GOM_TRA_1PNPDE20110423_050124_000000713101_00393_47821_7552.N1	23-APR-2011 05:01:24	Dark	71.000	38	20Eps Sgr	1.8360	11000.	142	47821	No
62	GOM_TRA_1PNPDE20110423_050446_000000603101_00393_47821_7553.N1	23-APR-2011 05:04:46	Straylight	59.500	25	35Lam Sco	1.6200	28000.	119	47821	No
63	GOM_TRA_1PNPDE20110423_050818_000000653101_00393_47821_7554.N1	23-APR-2011 05:08:18	Straylight	65.000	75	26Eps Sco	2.2910	4250.0	130	47821	No
64	GOM_TRA_1PNPDE20110423_051225_000000443101_00393_47821_7555.N1	23-APR-2011 05:12:25	Straylight	44.000	16	21Alp Sco	1.0200	3000.0	88	47821	No
65	GOM_TRA_1PNPDE20110423_051504_000000693101_00393_47821_7556.N1	23-APR-2011 05:15:04	Tw_i_and_stray	68.500	80	7Del Sco	2.3160	30000.	137	47821	No
66	GOM_TRA_1PNPDE20110423_051840_000000493101_00393_47821_7557.N1	23-APR-2011 05:18:40	Bright	48.500	122	9Alp2Lib	2.7470	9700.0	97	47821	No
67	GOM_TRA_1PNPDE20110423_052118_000000573101_00393_47821_7558.N1	23-APR-2011 05:21:18	Bright	56.500	104	27Bet Lib	2.6140	13100.	113	47821	No
68	GOM_TRA_1PNPDE20110423_052956_000000423101_00393_47821_7559.N1	23-APR-2011 05:29:56	Bright	42.000	111	8Eta Boo	2.6800	6000.0	84	47821	No

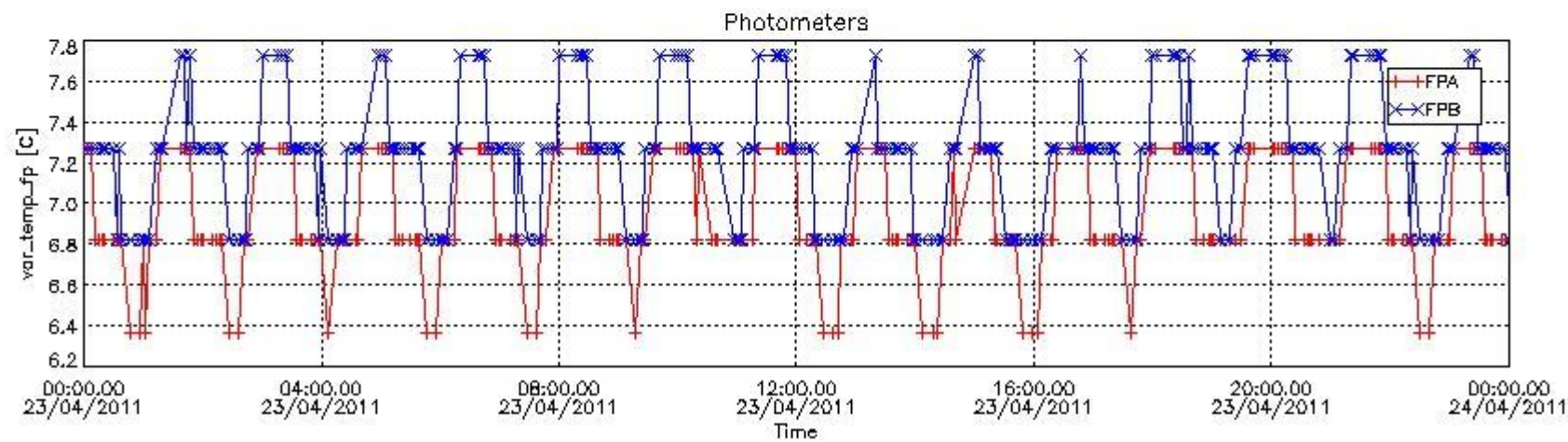
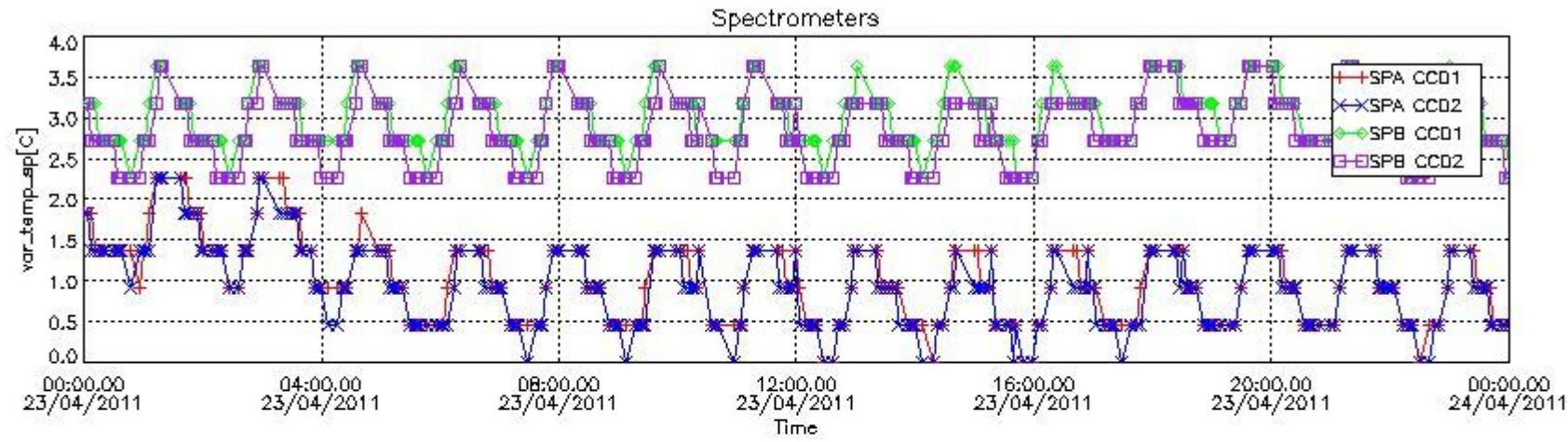
69	GOM_TRA_1PNPDE20110423_053418_000000483101_00393_47821_7560.N1	23-APR-2011 05:34:18	Bright	48.000	83		2.3780	11000.	96	47821	No
70	GOM_TRA_1PNPDE20110423_053709_000000453101_00393_47821_7561.N1	23-APR-2011 05:37:09	Bright	44.500	180	27Gam Boo	3.0400	8000.0	89	47821	No
71	GOM_TRA_1PNPDE20110423_053857_000000383101_00393_47821_7562.N1	23-APR-2011 05:38:57	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	47821	No
72	GOM_TRA_1PNPDE20110423_054652_000000453101_00393_47821_7563.N1	23-APR-2011 05:46:52	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	47821	No
73	GOM_TRA_1PNPDE20110423_055628_000000413101_00393_47821_7566.N1	23-APR-2011 05:56:28	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	47821	No
74	GOM_TRA_1PNPDE20110423_060141_000000543101_00393_47821_7567.N1	23-APR-2011 06:01:41	Bright	53.500	19	50Alp Cyg	1.2460	10500.	107	47821	No
75	GOM_TRA_1PNPDE20110423_060332_000000393101_00393_47821_7568.N1	23-APR-2011 06:03:32	Twilight	39.000	66	37Gam Cyg	2.2080	5900.0	78	47821	No
76	GOM_TRA_1PNPDE20110423_060632_000000713101_00393_47821_7569.N1	23-APR-2011 06:06:32	Twilight	71.000	92	53Eps Cyg	2.5000	4500.0	142	47821	No
77	GOM_TRA_1PNPDE20110423_061447_000000573101_00393_47821_7570.N1	23-APR-2011 06:14:47	Dark	56.500	61	8Eps Peg	2.1000	3900.0	113	47821	No
78	GOM_TRA_1PNPDE20110423_061715_000000503101_00393_47821_7571.N1	23-APR-2011 06:17:15	Dark	49.500	162	34Alp Aqr	2.9440	5350.0	99	47821	No
79	GOM_TRA_1PNPDE20110423_062020_000000533101_00393_47821_7572.N1	23-APR-2011 06:20:20	Dark	52.500	154	22Bet Aqr	2.8990	5700.0	105	47821	No
80	GOM_TRA_1PNPDE20110423_063831_000000693101_00394_47822_7573.N1	23-APR-2011 06:38:31	Dark	69.000	103	38Zet Sgr	2.6000	9700.0	138	47822	No
81	GOM_TRA_1PNPDE20110423_064139_000000653101_00394_47822_7574.N1	23-APR-2011 06:41:39	Dark	65.000	38	20Eps Sgr	1.8360	11000.	130	47822	No
82	GOM_TRA_1PNPDE20110423_064502_000000653101_00394_47822_7575.N1	23-APR-2011 06:45:02	Straylight	64.500	25	35Lam Sco	1.6200	28000.	129	47822	No
83	GOM_TRA_1PNPDE20110423_064833_000000683101_00394_47822_7576.N1	23-APR-2011 06:48:33	Straylight	68.000	75	26Eps Sco	2.2910	4250.0	136	47822	No
84	GOM_TRA_1PNPDE20110423_065240_000000483101_00394_47822_7577.N1	23-APR-2011 06:52:40	Straylight	48.000	16	21Alp Sco	1.0200	3000.0	96	47822	No
85	GOM_TRA_1PNPDE20110423_065519_000000723101_00394_47822_7578.N1	23-APR-2011 06:55:19	Twilight	71.500	80	7Del Sco	2.3160	30000.	143	47822	No
86	GOM_TRA_1PNPDE20110423_065854_000000493101_00394_47822_7579.N1	23-APR-2011 06:58:54	Bright	49.000	122	9Alp2Lib	2.7470	9700.0	98	47822	No
87	GOM_TRA_1PNPDE20110423_070132_000000533101_00394_47822_7580.N1	23-APR-2011 07:01:32	Bright	53.000	104	27Bet Lib	2.6140	13100.	106	47822	No
88	GOM_TRA_1PNPDE20110423_071010_000000433101_00394_47822_7581.N1	23-APR-2011 07:10:10	Bright	43.000	111	8Eta Boo	2.6800	6000.0	86	47822	No
89	GOM_TRA_1PNPDE20110423_071432_000000513101_00394_47822_7582.N1	23-APR-2011 07:14:32	Bright	51.000	83		2.3780	11000.	102	47822	No
90	GOM_TRA_1PNPDE20110423_071723_000000443101_00394_47822_7583.N1	23-APR-2011 07:17:23	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	47822	No
91	GOM_TRA_1PNPDE20110423_071910_000000403101_00394_47822_7584.N1	23-APR-2011 07:19:10	Bright	40.000	39	85Eta UMa	1.8540	24000.	80	47822	No
92	GOM_TRA_1PNPDE20110423_072705_000000463101_00394_47822_7585.N1	23-APR-2011 07:27:05	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	47822	No
93	GOM_TRA_1PNPDK20110423_073642_000000413101_00394_47822_7685.N1	23-APR-2011 07:36:42	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	47822	No
94	GOM_TRA_1PNPDK20110423_074155_000000553101_00394_47822_7686.N1	23-APR-2011 07:41:55	Bright	55.000	19	50Alp Cyg	1.2460	10500.	110	47822	No
95	GOM_TRA_1PNPDK20110423_074346_000000343101_00394_47822_7687.N1	23-APR-2011 07:43:46	Twilight	34.000	66	37Gam Cyg	2.2080	5900.0	68	47822	No
96	GOM_TRA_1PNPDK20110423_074647_000000643101_00394_47822_7688.N1	23-APR-2011 07:46:47	Twilight	63.500	92	53Eps Cyg	2.5000	4500.0	127	47822	No
97	GOM_TRA_1PNPDK20110423_075501_000000563101_00394_47822_7689.N1	23-APR-2011 07:55:01	Dark	56.000	61	8Eps Peg	2.1000	3900.0	112	47822	No
98	GOM_TRA_1PNPDK20110423_075729_000000523101_00394_47822_7690.N1	23-APR-2011 07:57:29	Dark	51.500	162	34Alp Aqr	2.9440	5350.0	103	47822	No
99	GOM_TRA_1PNPDK20110423_080034_000000563101_00394_47822_7691.N1	23-APR-2011 08:00:34	Dark	56.000	154	22Bet Aqr	2.8990	5700.0	112	47822	No
100	GOM_TRA_1PNPDK20110423_081847_000000673101_00395_47823_7692.N1	23-APR-2011 08:18:47	Dark	67.000	103	38Zet Sgr	2.6000	9700.0	134	47823	No
101	GOM_TRA_1PNPDK20110423_082155_000000653101_00395_47823_7693.N1	23-APR-2011 08:21:55	Dark	64.500	38	20Eps Sgr	1.8360	11000.	129	47823	No
102	GOM_TRA_1PNPDK20110423_082517_000000643101_00395_47823_7694.N1	23-APR-2011 08:25:17	Straylight	63.500	25	35Lam Sco	1.6200	28000.	127	47823	No
103	GOM_TRA_1PNPDK20110423_082848_000000663101_00395_47823_7695.N1	23-APR-2011 08:28:48	Straylight	66.000	75	26Eps Sco	2.2910	4250.0	132	47823	No
104	GOM_TRA_1PNPDK20110423_083254_000000483101_00395_47823_7696.N1	23-APR-2011 08:32:54	Straylight	48.000	16	21Alp Sco	1.0200	3000.0	96	47823	No
105	GOM_TRA_1PNPDK20110423_083533_000000683101_00395_47823_7697.N1	23-APR-2011 08:35:33	Twilight	67.500	80	7Del Sco	2.3160	30000.	135	47823	No
106	GOM_TRA_1PNPDK20110423_083909_000000483101_00395_47823_7698.N1	23-APR-2011 08:39:09	Bright	48.000	122	9Alp2Lib	2.7470	9700.0	96	47823	No
107	GOM_TRA_1PNPDK20110423_084145_000000573101_00395_47823_7724.N1	23-APR-2011 08:41:45	Bright	56.500	104	27Bet Lib	2.6140	13100.	113	47823	No
108	GOM_TRA_1PNPDK20110423_085024_000000433101_00395_47823_7725.N1	23-APR-2011 08:50:24	Bright	42.500	111	8Eta Boo	2.6800	6000.0	85	47823	No
109	GOM_TRA_1PNPDK20110423_085445_000000513101_00395_47823_7726.N1	23-APR-2011 08:54:45	Bright	51.000	83		2.3780	11000.	102	47823	No
110	GOM_TRA_1PNPDK20110423_085736_000000453101_00395_47823_7727.N1	23-APR-2011 08:57:36	Bright	45.000	180	27Gam Boo	3.0400	8000.0	90	47823	No
111	GOM_TRA_1PNPDK20110423_085924_000000393101_00395_47823_7728.N1	23-APR-2011 08:59:24	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	47823	No
112	GOM_TRA_1PNPDK20110423_090718_000000473101_00395_47823_7729.N1	23-APR-2011 09:07:18	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	47823	No
113	GOM_TRA_1PNPDK20110423_091656_000000423101_00395_47823_7730.N1	23-APR-2011 09:16:56	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	47823	No
114	GOM_TRA_1PNPDK20110423_092209_000000533101_00395_47823_7731.N1	23-APR-2011 09:22:09	Bright	52.500	19	50Alp Cyg	1.2460	10500.	105	47823	No
115	GOM_TRA_1PNPDK20110423_092400_000000343101_00395_47823_7732.N1	23-APR-2011 09:24:00	Twilight	34.000	66	37Gam Cyg	2.2080	5900.0	68	47823	No
116	GOM_TRA_1PNPDK20110423_092701_000000623101_00395_47823_7733.N1	23-APR-2011 09:27:01	Twilight	61.500	92	53Eps Cyg	2.5000	4500.0	123	47823	No
117	GOM_TRA_1PNPDK20110423_093516_000000613101_00395_47823_7734.N1	23-APR-2011 09:35:16	Dark	60.500	61	8Eps Peg	2.1000	3900.0	121	47823	No
118	GOM_TRA_1PNPDK20110423_093744_000000493101_00395_47823_7735.N1	23-APR-2011 09:37:44	Dark	48.500	162	34Alp Aqr	2.9440	5350.0	97	47823	No
119	GOM_TRA_1PNPDK20110423_094050_000000553101_00395_47823_7736.N1	23-APR-2011 09:40:50	Dark	55.000	154	22Bet Aqr	2.8990	5700.0	110	47823	No
120	GOM_TRA_1PNPDK20110423_095902_000000673101_00396_47824_7737.N1	23-APR-2011 09:59:02	Dark	67.000	103	38Zet Sgr	2.6000	9700.0	134	47824	No
121	GOM_TRA_1PNPDK20110423_100210_000000673101_00396_47824_7738.N1	23-APR-2011 10:02:10	Dark	66.500	38	20Eps Sgr	1.8360	11000.	133	47824	No
122	GOM_TRA_1PNPDK20110423_100532_000000613101_00396_47824_7739.N1	23-APR-2011 10:05:32	Straylight	60.500	25	35Lam Sco	1.6200	28000.	121	47824	No
123	GOM_TRA_1PNPDK20110423_100903_000000733101_00396_47824_7740.N1	23-APR-2011 10:09:03	Straylight	72.500	75	26Eps Sco	2.2910	4250.0	145	47824	No
124	GOM_TRA_1PNPDK20110423_101309_000000513101_00396_47824_7741.N1	23-APR-2011 10:13:09	Straylight	51.000	16	21Alp Sco	1.0200	3000.0	102	47824	No
125	GOM_TRA_1PNPDK20110423_101548_000000693101_00396_47824_7742.N1	23-APR-2011 10:15:48	Twilight	68.500	80	7Del Sco	2.3160	30000.	137	47824	No
126	GOM_TRA_1PNPDK20110423_101923_000000503101_00396_47824_7743.N1	23-APR-2011 10:19:23	Bright	50.000	122	9Alp2Lib	2.7470	9700.0	100	47824	No
127	GOM_TRA_1PNPDK20110423_102159_000000563101_00396_47824_7761.N1	23-APR-2011 10:21:59	Bright	55.500	104	27Bet Lib	2.6140	13100.	111	47824	No

128	GOM_TRA_1PNPDK20110423_103458_000000523101_00396_47824_7762.N1	23-APR-2011 10:34:58	Bright	51.500	83		2.3780	11000.	103	47824	No
129	GOM_TRA_1PNPDK20110423_103749_000000463101_00396_47824_7763.N1	23-APR-2011 10:37:49	Bright	46.000	180	27Gam Boo	3.0400	8000.0	92	47824	No
130	GOM_TRA_1PNPDK20110423_103938_000000403101_00396_47824_7764.N1	23-APR-2011 10:39:38	Bright	40.000	39	85Eta UMa	1.8540	24000.	80	47824	No
131	GOM_TRA_1PNPDK20110423_105709_000000423101_00396_47824_7765.N1	23-APR-2011 10:57:09	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	47824	No
132	GOM_TRA_1PNPDK20110423_110223_000000533101_00396_47824_7766.N1	23-APR-2011 11:02:23	Bright	53.000	19	50Alp Cyg	1.2460	10500.	106	47824	No
133	GOM_TRA_1PNPDK20110423_110414_000000283101_00396_47824_7767.N1	23-APR-2011 11:04:14	Tw_i_and_stray	28.000	66	37Gam Cyg	2.2080	5900.0	56	47824	No
134	GOM_TRA_1PNPDK20110423_110715_000000703101_00396_47824_7768.N1	23-APR-2011 11:07:15	Tw_i_and_stray	70.000	92	53Eps Cyg	2.5000	4500.0	140	47824	No
135	GOM_TRA_1PNPDK20110423_111531_000000583101_00396_47824_7769.N1	23-APR-2011 11:15:31	Dark	58.000	61	8Eps Peg	2.1000	3900.0	116	47824	No
136	GOM_TRA_1PNPDK20110423_111758_000000523101_00396_47824_7770.N1	23-APR-2011 11:17:58	Dark	52.000	162	34Alp Aqr	2.9440	5350.0	104	47824	No
137	GOM_TRA_1PNPDK20110423_112104_000000523101_00396_47824_7771.N1	23-APR-2011 11:21:04	Dark	51.500	154	22Bet Aqr	2.8990	5700.0	103	47824	No
138	GOM_TRA_1PNPDK20110423_113918_000000673101_00397_47825_7772.N1	23-APR-2011 11:39:18	Dark	67.000	103	38Zet Sgr	2.6000	9700.0	134	47825	No
139	GOM_TRA_1PNPDK20110423_114226_000000653101_00397_47825_7773.N1	23-APR-2011 11:42:26	Dark	64.500	38	20Eps Sgr	1.8360	11000.	129	47825	No
140	GOM_TRA_1PNPDK20110423_114547_000000663101_00397_47825_7774.N1	23-APR-2011 11:45:47	Straylight	66.000	25	35Lam Sco	1.6200	28000.	132	47825	No
141	GOM_TRA_1PNPDK20110423_114918_000000673101_00397_47825_7775.N1	23-APR-2011 11:49:18	Straylight	67.000	75	26Eps Sco	2.2910	4250.0	134	47825	No
142	GOM_TRA_1PNPDK20110423_115323_000000513101_00397_47825_7776.N1	23-APR-2011 11:53:23	Straylight	51.000	16	21Alp Sco	1.0200	3000.0	102	47825	No
143	GOM_TRA_1PNPDK20110423_115602_000000743101_00397_47825_7777.N1	23-APR-2011 11:56:02	Tw_i_and_stray	74.000	80	7Del Sco	2.3160	30000.	148	47825	No
144	GOM_TRA_1PNPDK20110423_115936_000000493101_00397_47825_7797.N1	23-APR-2011 11:59:36	Bright	48.500	122	9Alp2Lib	2.7470	9700.0	97	47825	Yes
145	GOM_TRA_1PNPDK20110423_120213_000000573101_00397_47825_7798.N1	23-APR-2011 12:02:13	Bright	56.500	104	27Bet Lib	2.6140	13100.	113	47825	No
146	GOM_TRA_1PNPDK20110423_121051_000000423101_00397_47825_7799.N1	23-APR-2011 12:10:51	Bright	41.500	111	8Eta Boo	2.6800	6000.0	83	47825	No
147	GOM_TRA_1PNPDK20110423_121511_000000533101_00397_47825_7800.N1	23-APR-2011 12:15:11	Bright	52.500	83		2.3780	11000.	105	47825	No
148	GOM_TRA_1PNPDK20110423_121803_000000443101_00397_47825_7801.N1	23-APR-2011 12:18:03	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	47825	No
149	GOM_TRA_1PNPDK20110423_121951_000000423101_00397_47825_7802.N1	23-APR-2011 12:19:51	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	47825	No
150	GOM_TRA_1PNPDK20110423_122745_000000453101_00397_47825_7803.N1	23-APR-2011 12:27:45	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	47825	No
151	GOM_TRA_1PNPDK20110423_123723_000000383101_00397_47825_7804.N1	23-APR-2011 12:37:23	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	47825	No
152	GOM_TRA_1PNPDK20110423_124236_000000543101_00397_47825_7805.N1	23-APR-2011 12:42:36	Bright	54.000	19	50Alp Cyg	1.2460	10500.	108	47825	No
153	GOM_TRA_1PNPDK20110423_124427_000000283101_00397_47825_7806.N1	23-APR-2011 12:44:27	Tw_i_and_stray	28.000	66	37Gam Cyg	2.2080	5900.0	56	47825	No
154	GOM_TRA_1PNPDK20110423_124729_000000673101_00397_47825_7807.N1	23-APR-2011 12:47:29	Tw_i_and_stray	66.500	92	53Eps Cyg	2.5000	4500.0	133	47825	No
155	GOM_TRA_1PNPDK20110423_125545_000000563101_00397_47825_7808.N1	23-APR-2011 12:55:45	Dark	56.000	61	8Eps Peg	2.1000	3900.0	112	47825	No
156	GOM_TRA_1PNPDK20110423_125813_000000503101_00397_47825_7809.N1	23-APR-2011 12:58:13	Dark	49.500	162	34Alp Aqr	2.9440	5350.0	99	47825	No
157	GOM_TRA_1PNPDK20110423_130119_000000543101_00397_47825_7810.N1	23-APR-2011 13:01:19	Dark	54.000	154	22Bet Aqr	2.8990	5700.0	108	47825	No
158	GOM_TRA_1PNPDK20110423_131934_000000653101_00398_47826_7811.N1	23-APR-2011 13:19:34	Dark	65.000	103	38Zet Sgr	2.6000	9700.0	130	47826	No
159	GOM_TRA_1PNPDK20110423_132241_000000663101_00398_47826_7812.N1	23-APR-2011 13:22:41	Dark	66.000	38	20Eps Sgr	1.8360	11000.	132	47826	No
160	GOM_TRA_1PNPDK20110423_132602_000000593101_00398_47826_7813.N1	23-APR-2011 13:26:02	Straylight	59.000	25	35Lam Sco	1.6200	28000.	118	47826	No
161	GOM_TRA_1PNPDK20110423_132932_000000663101_00398_47826_7814.N1	23-APR-2011 13:29:32	Straylight	66.000	75	26Eps Sco	2.2910	4250.0	132	47826	No
162	GOM_TRA_1PNPDK20110423_133338_000000543101_00398_47826_7815.N1	23-APR-2011 13:33:38	Tw_i_and_stray	54.000	16	21Alp Sco	1.0200	3000.0	108	47826	No
163	GOM_TRA_1PNPDK20110423_133616_000000643101_00398_47826_7816.N1	23-APR-2011 13:36:16	Tw_i_and_stray	64.000	80	7Del Sco	2.3160	30000.	128	47826	No
164	GOM_TRA_1PNPDK20110423_133950_000000513101_00398_47826_7824.N1	23-APR-2011 13:39:50	Bright	51.000	122	9Alp2Lib	2.7470	9700.0	102	47826	No
165	GOM_TRA_1PNPDK20110423_134227_000000563101_00398_47826_7825.N1	23-APR-2011 13:42:27	Bright	55.500	104	27Bet Lib	2.6140	13100.	111	47826	No
166	GOM_TRA_1PNPDK20110423_135105_000000413101_00398_47826_7826.N1	23-APR-2011 13:51:05	Bright	41.000	111	8Eta Boo	2.6800	6000.0	82	47826	No
167	GOM_TRA_1PNPDK20110423_135525_000000483101_00398_47826_7827.N1	23-APR-2011 13:55:25	Bright	47.500	83		2.3780	11000.	95	47826	No
168	GOM_TRA_1PNPDK20110423_135816_000000433101_00398_47826_7828.N1	23-APR-2011 13:58:16	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	47826	No
169	GOM_TRA_1PNPDK20110423_140005_000000413101_00398_47826_7829.N1	23-APR-2011 14:00:05	Bright	41.000	39	85Eta UMa	1.8540	24000.	82	47826	No
170	GOM_TRA_1PNPDK20110423_140758_000000443101_00398_47826_7830.N1	23-APR-2011 14:07:58	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	47826	No
171	GOM_TRA_1PNPDK20110423_141737_000000413101_00398_47826_7831.N1	23-APR-2011 14:17:37	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	47826	No
172	GOM_TRA_1PNPDK20110423_142250_000000543101_00398_47826_7832.N1	23-APR-2011 14:22:50	Bright	54.000	19	50Alp Cyg	1.2460	10500.	108	47826	No
173	GOM_TRA_1PNPDK20110423_142743_000000673101_00398_47826_7833.N1	23-APR-2011 14:27:43	Tw_i_and_stray	66.500	92	53Eps Cyg	2.5000	4500.0	133	47826	No
174	GOM_TRA_1PNPDK20110423_143600_000000573101_00398_47826_7834.N1	23-APR-2011 14:36:00	Dark	57.000	61	8Eps Peg	2.1000	3900.0	114	47826	No
175	GOM_TRA_1PNPDK20110423_143827_000000513101_00398_47826_7835.N1	23-APR-2011 14:38:27	Dark	50.500	162	34Alp Aqr	2.9440	5350.0	101	47826	No
176	GOM_TRA_1PNPDK20110423_144134_000000563101_00398_47826_7836.N1	23-APR-2011 14:41:34	Dark	55.500	154	22Bet Aqr	2.8990	5700.0	111	47826	No
177	GOM_TRA_1PNPDK20110423_145949_000000653101_00399_47827_7837.N1	23-APR-2011 14:59:49	Dark	65.000	103	38Zet Sgr	2.6000	9700.0	130	47827	No
178	GOM_TRA_1PNPDK20110423_150257_000000653101_00399_47827_7838.N1	23-APR-2011 15:02:57	Dark	65.000	38	20Eps Sgr	1.8360	11000.	130	47827	No
179	GOM_TRA_1PNPDK20110423_150617_000000663101_00399_47827_7839.N1	23-APR-2011 15:06:17	Straylight	66.000	25	35Lam Sco	1.6200	28000.	132	47827	No
180	GOM_TRA_1PNPDK20110423_150947_000000663101_00399_47827_7840.N1	23-APR-2011 15:09:47	Straylight	65.500	75	26Eps Sco	2.2910	4250.0	131	47827	No
181	GOM_TRA_1PNPDK20110423_151353_000000543101_00399_47827_7841.N1	23-APR-2011 15:13:53	Tw_i_and_stray	54.000	16	21Alp Sco	1.0200	3000.0	108	47827	No
182	GOM_TRA_1PNPDK20110423_151631_000000673101_00399_47827_7880.N1	23-APR-2011 15:16:31	Tw_i_and_stray	67.000	80	7Del Sco	2.3160	30000.	134	47827	Yes
183	GOM_TRA_1PNPDK20110423_152005_000000503101_00399_47827_7881.N1	23-APR-2011 15:20:05	Bright	49.500	122	9Alp2Lib	2.7470	9700.0	99	47827	No
184	GOM_TRA_1PNPDK20110423_152241_000000563101_00399_47827_7882.N1	23-APR-2011 15:22:41	Bright	55.500	104	27Bet Lib	2.6140	13100.	111	47827	No
185	GOM_TRA_1PNPDK20110423_153119_000000423101_00399_47827_7883.N1	23-APR-2011 15:31:19	Bright	41.500	111	8Eta Boo	2.6800	6000.0	83	47827	No
186	GOM_TRA_1PNPDK20110423_153538_000000513101_00399_47827_7884.N1	23-APR-2011 15:35:38	Bright	50.500	83		2.3780	11000.	101	47827	No

187	GOM_TRA_1PNPDK20110423_153829_000000543101_00399_47827_7885.N1	23-APR-2011 15:38:29	Bright	54.000	180	27Gam Boo	3.0400	8000.0	108	47827	No
188	GOM_TRA_1PNPDK20110423_154019_000000383101_00399_47827_7886.N1	23-APR-2011 15:40:19	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	47827	No
189	GOM_TRA_1PNPDK20110423_154812_000000473101_00399_47827_7887.N1	23-APR-2011 15:48:12	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	47827	No
190	GOM_TRA_1PNPDK20110423_155751_000000413101_00399_47827_7888.N1	23-APR-2011 15:57:51	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	47827	No
191	GOM_TRA_1PNPDK20110423_160304_000000533101_00399_47827_7889.N1	23-APR-2011 16:03:04	Bright	53.000	19	50Alp Cyg	1.2460	10500.	106	47827	No
192	GOM_TRA_1PNPDK20110423_160757_000000693101_00399_47827_7890.N1	23-APR-2011 16:07:57	Tw_i_and_stray	68.500	92	53Eps Cyg	2.5000	4500.0	137	47827	No
193	GOM_TRA_1PNPDK20110423_161614_000000583101_00399_47827_7891.N1	23-APR-2011 16:16:14	Dark	57.500	61	8Eps Peg	2.1000	3900.0	115	47827	No
194	GOM_TRA_1PNPDK20110423_161842_000000503101_00399_47827_7892.N1	23-APR-2011 16:18:42	Dark	49.500	162	34Alp Aqr	2.9440	5350.0	99	47827	No
195	GOM_TRA_1PNPDK20110423_162149_000000543101_00399_47827_7893.N1	23-APR-2011 16:21:49	Dark	54.000	154	22Bet Aqr	2.8990	5700.0	108	47827	No
196	GOM_TRA_1PNPDK20110423_164005_000000623101_00400_47828_7894.N1	23-APR-2011 16:40:05	Dark	62.000	103	38Zet Sgr	2.6000	9700.0	124	47828	No
197	GOM_TRA_1PNPDK20110423_164312_000000653101_00400_47828_7895.N1	23-APR-2011 16:43:12	Dark	64.500	38	20Eps Sgr	1.8360	11000.	129	47828	No
198	GOM_TRA_1PNPDK20110423_164632_000000643101_00400_47828_7896.N1	23-APR-2011 16:46:32	Straylight	63.500	25	35Lam Sco	1.6200	28000.	127	47828	No
199	GOM_TRA_1PNPDK20110423_165003_000000673101_00400_47828_7897.N1	23-APR-2011 16:50:03	Straylight	66.500	75	26Eps Sco	2.2910	4250.0	133	47828	No
200	GOM_TRA_1PNPDK20110423_165408_000000573101_00400_47828_7914.N1	23-APR-2011 16:54:08	Tw_i_and_stray	57.000	16	21Alp Sco	1.0200	3000.0	114	47828	Yes
201	GOM_TRA_1PNPDK20110423_165645_000000663101_00400_47828_7915.N1	23-APR-2011 16:56:45	Tw_i_and_stray	66.000	80	7Del Sco	2.3160	30000.	132	47828	No
202	GOM_TRA_1PNPDK20110423_170019_000000493101_00400_47828_7916.N1	23-APR-2011 17:00:19	Bright	48.500	122	9Alp2Lib	2.7470	9700.0	97	47828	No
203	GOM_TRA_1PNPDK20110423_170255_000000563101_00400_47828_7917.N1	23-APR-2011 17:02:55	Bright	56.000	104	27Bet Lib	2.6140	13100.	112	47828	No
204	GOM_TRA_1PNPDK20110423_171132_000000433101_00400_47828_7918.N1	23-APR-2011 17:11:32	Bright	42.500	111	8Eta Boo	2.6800	6000.0	85	47828	No
205	GOM_TRA_1PNPDK20110423_171551_000000523101_00400_47828_7919.N1	23-APR-2011 17:15:51	Bright	51.500	83		2.3780	11000.	103	47828	No
206	GOM_TRA_1PNPDK20110423_171843_000000443101_00400_47828_7920.N1	23-APR-2011 17:18:43	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	47828	No
207	GOM_TRA_1PNPDK20110423_172032_000000413101_00400_47828_7921.N1	23-APR-2011 17:20:32	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	47828	No
208	GOM_TRA_1PNPDK20110423_172825_000000473101_00400_47828_7922.N1	23-APR-2011 17:28:25	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	47828	No
209	GOM_TRA_1PNPDK20110423_173805_000000413101_00400_47828_7923.N1	23-APR-2011 17:38:05	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	47828	No
210	GOM_TRA_1PNPDK20110423_174318_000000553101_00400_47828_7924.N1	23-APR-2011 17:43:18	Bright	54.500	19	50Alp Cyg	1.2460	10500.	109	47828	No
211	GOM_TRA_1PNPDK20110423_174811_000000683101_00400_47828_7925.N1	23-APR-2011 17:48:11	Tw_i_and_stray	67.500	92	53Eps Cyg	2.5000	4500.0	135	47828	No
212	GOM_TRA_1PNPDK20110423_175629_000000543101_00400_47828_7926.N1	23-APR-2011 17:56:29	Dark	54.000	61	8Eps Peg	2.1000	3900.0	108	47828	No
213	GOM_TRA_1PNPDK20110423_175857_000000503101_00400_47828_7927.N1	23-APR-2011 17:58:57	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	47828	No
214	GOM_TRA_1PNPDK20110423_180204_000000553101_00400_47828_7928.N1	23-APR-2011 18:02:04	Dark	54.500	154	22Bet Aqr	2.8990	5700.0	109	47828	No
215	GOM_TRA_1PNPDK20110423_182021_000000623101_00401_47829_7929.N1	23-APR-2011 18:20:21	Dark	62.000	103	38Zet Sgr	2.6000	9700.0	124	47829	No
216	GOM_TRA_1PNPDK20110423_182328_000000783101_00401_47829_7930.N1	23-APR-2011 18:23:28	Dark	77.500	38	20Eps Sgr	1.8360	11000.	155	47829	No
217	GOM_TRA_1PNPDK20110423_182647_000000653101_00401_47829_7931.N1	23-APR-2011 18:26:47	Straylight	64.500	25	35Lam Sco	1.6200	28000.	129	47829	No
218	GOM_TRA_1PNPDK20110423_183017_000000663101_00401_47829_7945.N1	23-APR-2011 18:30:17	Straylight	66.000	75	26Eps Sco	2.2910	4250.0	132	47829	Yes
219	GOM_TRA_1PNPDK20110423_183422_000000573101_00401_47829_7946.N1	23-APR-2011 18:34:22	Tw_i_and_stray	57.000	16	21Alp Sco	1.0200	3000.0	114	47829	No
220	GOM_TRA_1PNPDK20110423_183700_000000713101_00401_47829_7947.N1	23-APR-2011 18:37:00	Tw_i_and_stray	71.000	80	7Del Sco	2.3160	30000.	142	47829	No
221	GOM_TRA_1PNPDK20110423_184033_000000483101_00401_47829_7948.N1	23-APR-2011 18:40:33	Bright	47.500	122	9Alp2Lib	2.7470	9700.0	95	47829	No
222	GOM_TRA_1PNPDK20110423_184309_000000563101_00401_47829_7949.N1	23-APR-2011 18:43:09	Bright	55.500	104	27Bet Lib	2.6140	13100.	111	47829	No
223	GOM_TRA_1PNPDK20110423_185146_000000423101_00401_47829_7950.N1	23-APR-2011 18:51:46	Bright	42.000	111	8Eta Boo	2.6800	6000.0	84	47829	No
224	GOM_TRA_1PNPDK20110423_185604_000000513101_00401_47829_7951.N1	23-APR-2011 18:56:04	Bright	51.000	83		2.3780	11000.	102	47829	No
225	GOM_TRA_1PNPDK20110423_185856_000000463101_00401_47829_7952.N1	23-APR-2011 18:58:56	Bright	45.500	180	27Gam Boo	3.0400	8000.0	91	47829	No
226	GOM_TRA_1PNPDK20110423_190046_000000423101_00401_47829_7953.N1	23-APR-2011 19:00:46	Bright	42.000	39	85Eta UMa	1.8540	24000.	84	47829	No
227	GOM_TRA_1PNPDK20110423_190838_000000443101_00401_47829_7954.N1	23-APR-2011 19:08:38	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	47829	No
228	GOM_TRA_1PNPDK20110423_191818_000000393101_00401_47829_7955.N1	23-APR-2011 19:18:18	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	47829	No
229	GOM_TRA_1PNPDK20110423_192331_000000543101_00401_47829_7956.N1	23-APR-2011 19:23:31	Bright	54.000	19	50Alp Cyg	1.2460	10500.	108	47829	No
230	GOM_TRA_1PNPDK20110423_192825_000000713101_00401_47829_7957.N1	23-APR-2011 19:28:25	Tw_i_and_stray	70.500	92	53Eps Cyg	2.5000	4500.0	141	47829	No
231	GOM_TRA_1PNPDK20110423_193644_000000593101_00401_47829_7958.N1	23-APR-2011 19:36:44	Dark	59.000	61	8Eps Peg	2.1000	3900.0	118	47829	No
232	GOM_TRA_1PNPDK20110423_193911_000000513101_00401_47829_7959.N1	23-APR-2011 19:39:11	Dark	51.000	162	34Alp Aqr	2.9440	5350.0	102	47829	No
233	GOM_TRA_1PNPDK20110423_194219_000000543101_00401_47829_7960.N1	23-APR-2011 19:42:19	Dark	53.500	154	22Bet Aqr	2.8990	5700.0	107	47829	No
234	GOM_TRA_1PNPDK20110423_200037_000000603101_00402_47830_7961.N1	23-APR-2011 20:00:37	Dark	60.000	103	38Zet Sgr	2.6000	9700.0	120	47830	No
235	GOM_TRA_1PNPDK20110423_200343_000000673101_00402_47830_7962.N1	23-APR-2011 20:03:43	Dark	66.500	38	20Eps Sgr	1.8360	11000.	133	47830	No
236	GOM_TRA_1PNPDK20110423_200702_000000643101_00402_47830_7963.N1	23-APR-2011 20:07:02	Straylight	64.000	25	35Lam Sco	1.6200	28000.	128	47830	No
237	GOM_TRA_1PNPDE20110423_201033_000000643101_00402_47830_7684.N1	23-APR-2011 20:10:33	Straylight	64.000	75	26Eps Sco	2.2910	4250.0	128	47830	No
238	GOM_TRA_1PNPDE20110423_201437_000000613101_00402_47830_7685.N1	23-APR-2011 20:14:37	Tw_i_and_stray	61.000	16	21Alp Sco	1.0200	3000.0	122	47830	No
239	GOM_TRA_1PNPDE20110423_201714_000000733101_00402_47830_7686.N1	23-APR-2011 20:17:14	Tw_i_and_stray	73.000	80	7Del Sco	2.3160	30000.	146	47830	No
240	GOM_TRA_1PNPDE20110423_202047_000000503101_00402_47830_7687.N1	23-APR-2011 20:20:47	Bright	50.000	122	9Alp2Lib	2.7470	9700.0	100	47830	No
241	GOM_TRA_1PNPDE20110423_202323_000000563101_00402_47830_7688.N1	23-APR-2011 20:23:23	Bright	55.500	104	27Bet Lib	2.6140	13100.	111	47830	No
242	GOM_TRA_1PNPDE20110423_203200_000000413101_00402_47830_7689.N1	23-APR-2011 20:32:00	Bright	41.000	111	8Eta Boo	2.6800	6000.0	82	47830	No
243	GOM_TRA_1PNPDE20110423_203618_000000503101_00402_47830_7690.N1	23-APR-2011 20:36:18	Bright	50.000	83		2.3780	11000.	100	47830	No
244	GOM_TRA_1PNPDE20110423_203910_000000443101_00402_47830_7691.N1	23-APR-2011 20:39:10	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	47830	No
245	GOM_TRA_1PNPDE20110423_204100_000000423101_00402_47830_7692.N1	23-APR-2011 20:41:00	Bright	42.000	39	85Eta UMa	1.8540	24000.	84	47830	No

246	GOM_TRA_1PNPDE20110423_204852_000000463101_00402_47830_7693.N1	23-APR-2011 20:48:52	Bright	46.000	119	14Eta Dra	2.7270	4700.0	92	47830	No
247	GOM_TRA_1PNPDE20110423_205832_000000413101_00402_47830_7694.N1	23-APR-2011 20:58:32	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	47830	No
248	GOM_TRA_1PNPDE20110423_210345_000000543101_00402_47830_7695.N1	23-APR-2011 21:03:45	Bright	54.000	19	50Alp Cyg	1.2460	10500.	108	47830	No
249	GOM_TRA_1PNPDE20110423_210839_000000673101_00402_47830_7696.N1	23-APR-2011 21:08:39	Twilight_stray	67.000	92	53Eps Cyg	2.5000	4500.0	134	47830	No
250	GOM_TRA_1PNPDE20110423_211658_000000613101_00402_47830_7697.N1	23-APR-2011 21:16:58	Dark	60.500	61	8Eps Peg	2.1000	3900.0	121	47830	No
251	GOM_TRA_1PNPDE20110423_211926_000000503101_00402_47830_7698.N1	23-APR-2011 21:19:26	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	47830	No
252	GOM_TRA_1PNPDE20110423_212234_000000523101_00402_47830_7706.N1	23-APR-2011 21:22:34	Dark	51.500	154	22Bet Aqr	2.8990	5700.0	103	47830	No
253	GOM_TRA_1PNPDE20110423_214053_000000603101_00403_47831_7707.N1	23-APR-2011 21:40:53	Dark	60.000	103	38Zet Sgr	2.6000	9700.0	120	47831	No
254	GOM_TRA_1PNPDE20110423_214359_000000653101_00403_47831_7708.N1	23-APR-2011 21:43:59	Dark	64.500	38	20Eps Sgr	1.8360	11000.	129	47831	No
255	GOM_TRA_1PNPDE20110423_214718_000000573101_00403_47831_7709.N1	23-APR-2011 21:47:18	Straylight	56.500	25	35Lam Sco	1.6200	28000.	113	47831	No
256	GOM_TRA_1PNPDE20110423_215047_000000643101_00403_47831_7710.N1	23-APR-2011 21:50:47	Straylight	63.500	75	26Eps Sco	2.2910	4250.0	127	47831	No
257	GOM_TRA_1PNPDE20110423_215452_000000613101_00403_47831_7711.N1	23-APR-2011 21:54:52	Twilight_stray	61.000	16	21Alp Sco	1.0200	3000.0	122	47831	No
258	GOM_TRA_1PNPDE20110423_215728_000000703101_00403_47831_7712.N1	23-APR-2011 21:57:28	Twilight_stray	70.000	80	7Del Sco	2.3160	30000.	140	47831	No
259	GOM_TRA_1PNPDE20110423_220101_000000493101_00403_47831_7713.N1	23-APR-2011 22:01:01	Bright	49.000	122	9Alp2Lib	2.7470	9700.0	98	47831	No
260	GOM_TRA_1PNPDE20110423_220336_000000563101_00403_47831_7714.N1	23-APR-2011 22:03:36	Bright	56.000	104	27Bet Lib	2.6140	13100.	112	47831	No
261	GOM_TRA_1PNPDE20110423_221213_000000423101_00403_47831_7715.N1	23-APR-2011 22:12:13	Bright	41.500	111	8Eta Boo	2.6800	6000.0	83	47831	No
262	GOM_TRA_1PNPDE20110423_221631_000000493101_00403_47831_7716.N1	23-APR-2011 22:16:31	Bright	48.500	83		2.3780	11000.	97	47831	No
263	GOM_TRA_1PNPDE20110423_221923_000000443101_00403_47831_7717.N1	23-APR-2011 22:19:23	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	47831	No
264	GOM_TRA_1PNPDE20110423_222113_000000583101_00403_47831_7718.N1	23-APR-2011 22:21:13	Bright	58.000	39	85Eta UMa	1.8540	24000.	116	47831	No
265	GOM_TRA_1PNPDE20110423_222905_000000483101_00403_47831_7719.N1	23-APR-2011 22:29:05	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	47831	No
266	GOM_TRA_1PNPDE20110423_223846_000000403101_00403_47831_7720.N1	23-APR-2011 22:38:46	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	47831	No
267	GOM_TRA_1PNPDE20110423_224359_000000543101_00403_47831_7721.N1	23-APR-2011 22:43:59	Bright	54.000	19	50Alp Cyg	1.2460	10500.	108	47831	No
268	GOM_TRA_1PNPDE20110423_224853_000000693101_00403_47831_7722.N1	23-APR-2011 22:48:53	Twilight_stray	68.500	92	53Eps Cyg	2.5000	4500.0	137	47831	No
269	GOM_TRA_1PNPDE20110423_225713_000000573101_00403_47831_7723.N1	23-APR-2011 22:57:13	Dark	56.500	61	8Eps Peg	2.1000	3900.0	113	47831	No
270	GOM_TRA_1PNPDE20110423_225940_000000523101_00403_47831_7724.N1	23-APR-2011 22:59:40	Dark	51.500	162	34Alp Aqr	2.9440	5350.0	103	47831	No
271	GOM_TRA_1PNPDE20110423_230249_000000533101_00403_47831_7724.N1	23-APR-2011 23:02:49	Dark	53.000	154	22Bet Aqr	2.8990	5700.0	106	47831	Yes
272	GOM_TRA_1PNPDE20110423_232108_000000583101_00404_47832_7725.N1	23-APR-2011 23:21:08	Dark	58.000	103	38Zet Sgr	2.6000	9700.0	116	47832	No
273	GOM_TRA_1PNPDE20110423_232414_000000653101_00404_47832_7726.N1	23-APR-2011 23:24:14	Dark	64.500	38	20Eps Sgr	1.8360	11000.	129	47832	No
274	GOM_TRA_1PNPDE20110423_232732_000000633101_00404_47832_7727.N1	23-APR-2011 23:27:32	Straylight	62.500	25	35Lam Sco	1.6200	28000.	125	47832	No
275	GOM_TRA_1PNPDE20110423_233102_000000703101_00404_47832_7728.N1	23-APR-2011 23:31:02	Straylight	69.500	75	26Eps Sco	2.2910	4250.0	139	47832	No
276	GOM_TRA_1PNPDE20110423_233506_000000643101_00404_47832_7729.N1	23-APR-2011 23:35:06	Twilight_stray	64.000	16	21Alp Sco	1.0200	3000.0	128	47832	No
277	GOM_TRA_1PNPDE20110423_233743_000000713101_00404_47832_7730.N1	23-APR-2011 23:37:43	Twilight_stray	71.000	80	7Del Sco	2.3160	30000.	142	47832	No
278	GOM_TRA_1PNPDE20110423_234115_000000483101_00404_47832_7731.N1	23-APR-2011 23:41:15	Bright	48.000	122	9Alp2Lib	2.7470	9700.0	96	47832	No
279	GOM_TRA_1PNPDE20110423_234350_000000563101_00404_47832_7732.N1	23-APR-2011 23:43:50	Bright	56.000	104	27Bet Lib	2.6140	13100.	112	47832	No
280	GOM_TRA_1PNPDE20110423_235227_000000613101_00404_47832_7733.N1	23-APR-2011 23:52:27	Bright	61.000	111	8Eta Boo	2.6800	6000.0	122	47832	No
281	GOM_TRA_1PNPDE20110423_235644_000000503101_00404_47832_7734.N1	23-APR-2011 23:56:44	Bright	49.500	83		2.3780	11000.	99	47832	No
282	GOM_TRA_1PNPDE20110423_235936_000000453101_00404_47832_7735.N1	23-APR-2011 23:59:36	Bright	44.500	180	27Gam Boo	3.0400	8000.0	89	47832	No

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



4. Overview of dark signal processing per product

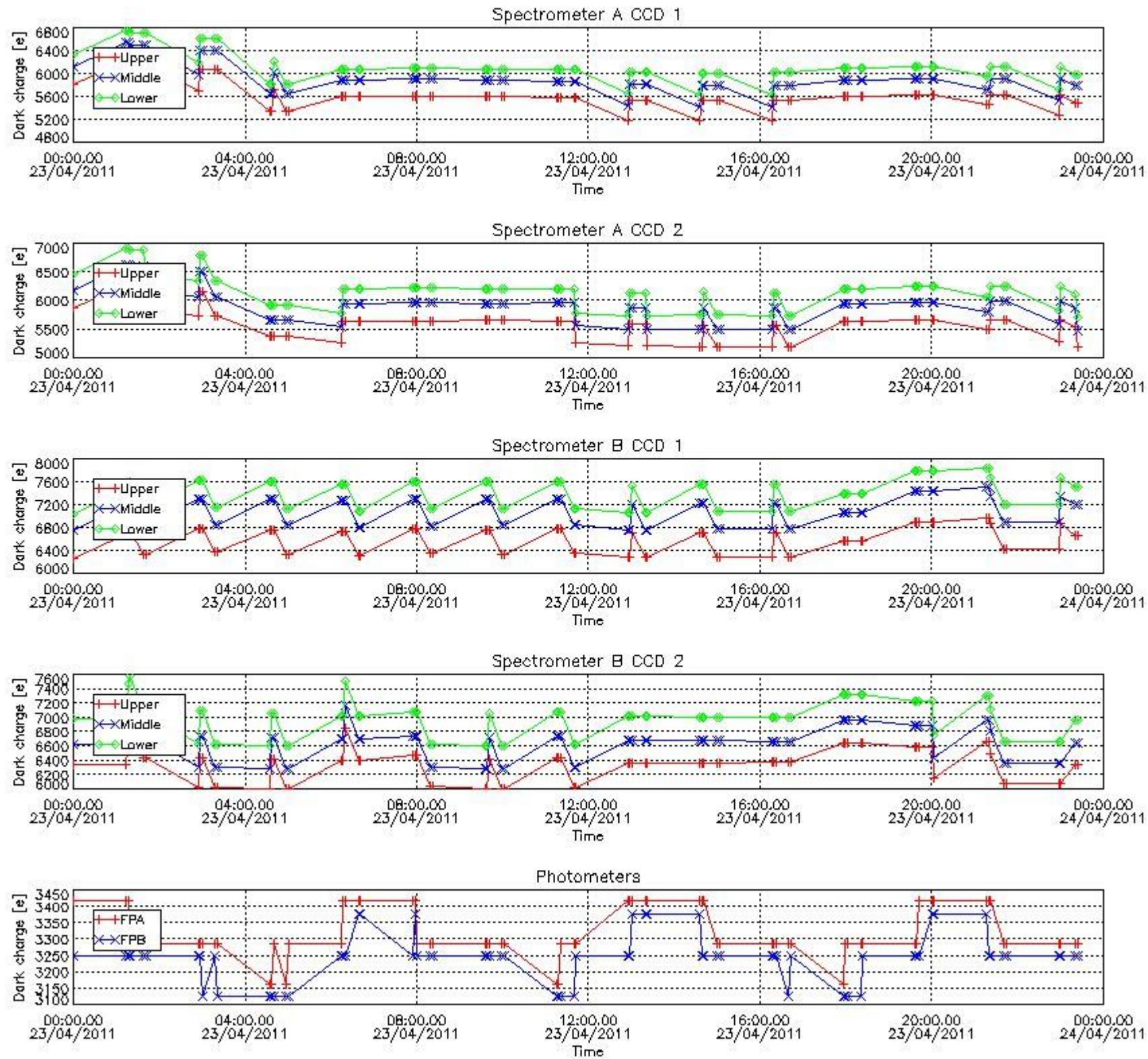
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20110423_201033_000000643101_00402_47830_7684.N1	DC map used
GOM_TRA_1PNPDE20110423_201437_000000613101_00402_47830_7685.N1	DC map used
GOM_TRA_1PNPDE20110423_201714_000000733101_00402_47830_7686.N1	DC map used
GOM_TRA_1PNPDE20110423_202047_000000503101_00402_47830_7687.N1	DC map used
GOM_TRA_1PNPDE20110423_202323_000000563101_00402_47830_7688.N1	DC map used
GOM_TRA_1PNPDE20110423_203200_000000413101_00402_47830_7689.N1	DC map used
GOM_TRA_1PNPDE20110423_203618_000000503101_00402_47830_7690.N1	DC map used
GOM_TRA_1PNPDE20110423_203910_000000443101_00402_47830_7691.N1	DC map used
GOM_TRA_1PNPDE20110423_204100_000000423101_00402_47830_7692.N1	DC map used
GOM_TRA_1PNPDE20110423_204852_000000463101_00402_47830_7693.N1	DC map used
GOM_TRA_1PNPDE20110423_205832_000000413101_00402_47830_7694.N1	DC map used
GOM_TRA_1PNPDE20110423_210345_000000543101_00402_47830_7695.N1	DC map used
GOM_TRA_1PNPDE20110423_210839_000000673101_00402_47830_7696.N1	DC map used
GOM_TRA_1PNPDE20110423_211658_000000613101_00402_47830_7697.N1	DC map used

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



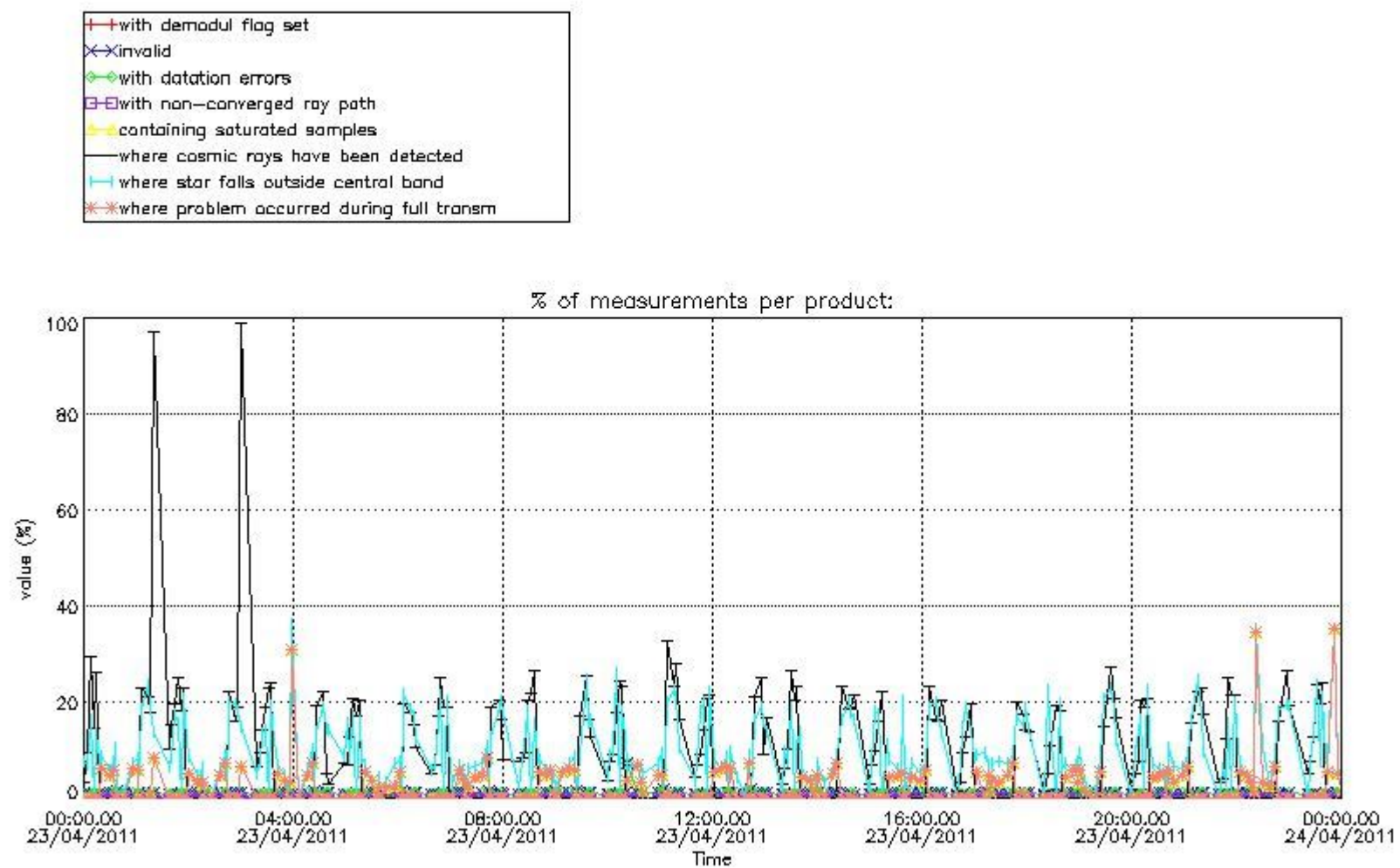
5. Demodulation flag and quality information monitoring

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.

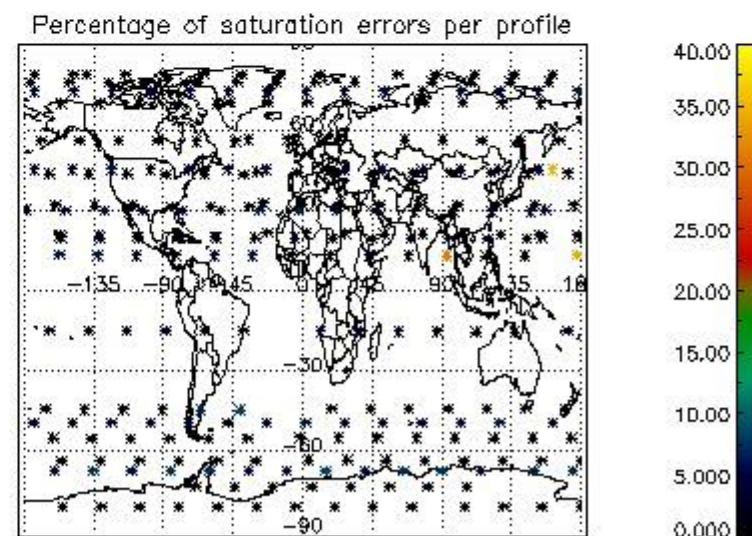
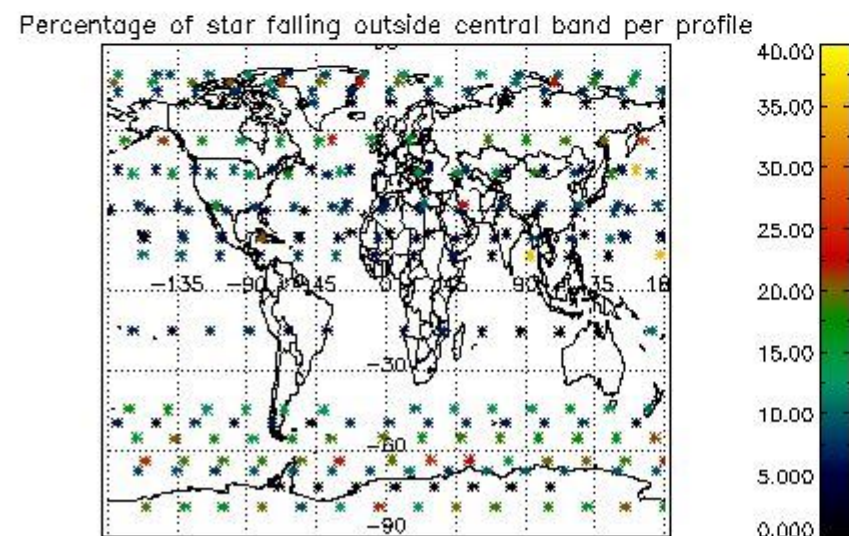
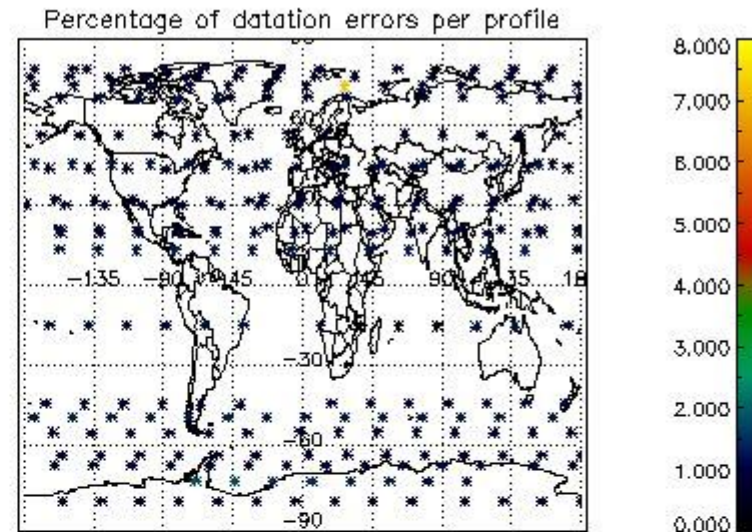
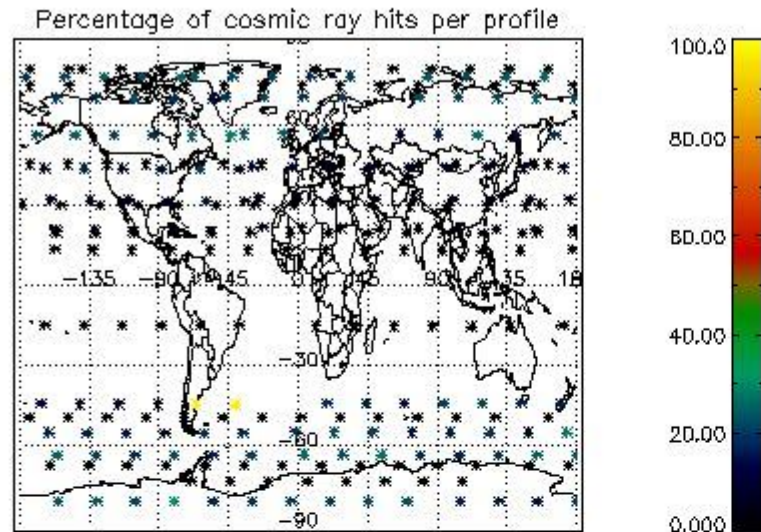
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	50.9025 %
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)



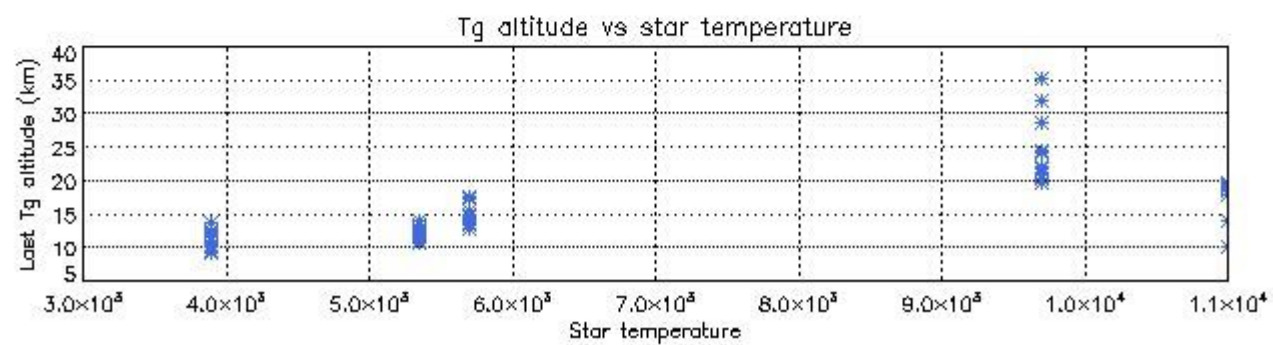
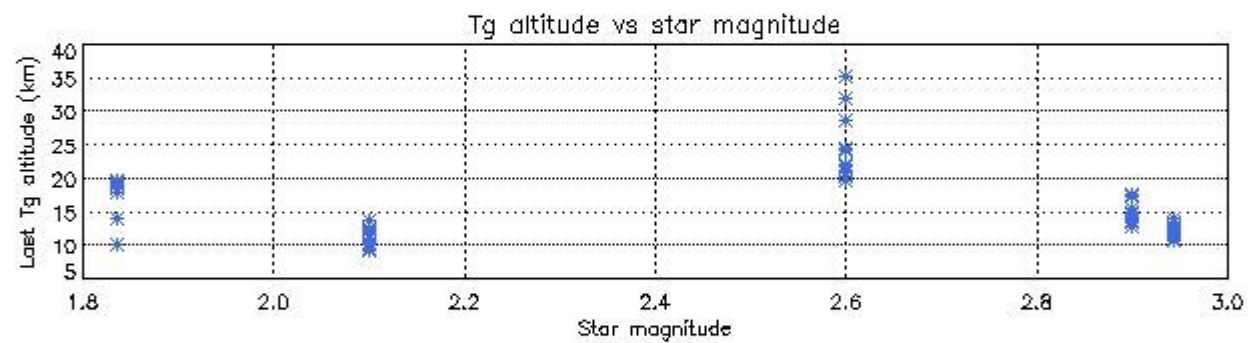
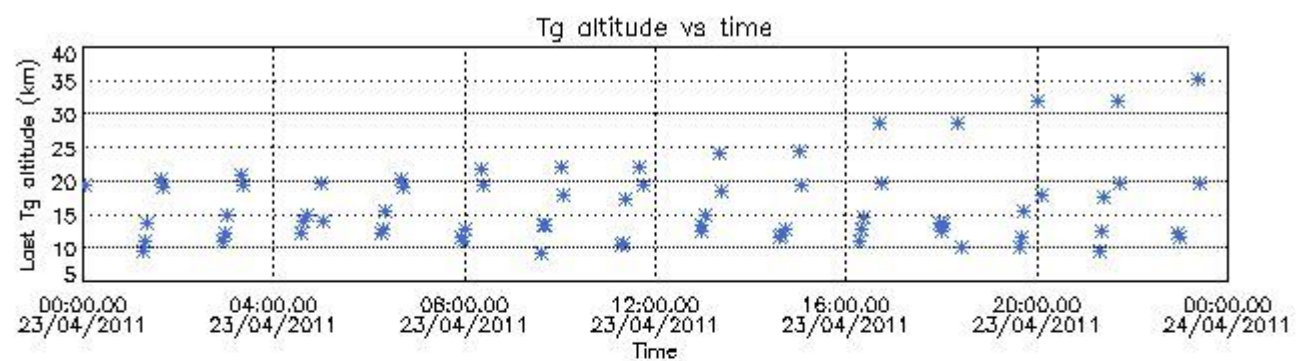
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.333	20.843	NaN
St. deviation:	5.7319	4.8856	NaN
Maximum:	35.096	45.365	NaN
Minimum:	9.2663	3.6711	NaN
Number of data:	70.000	130.00	NaN

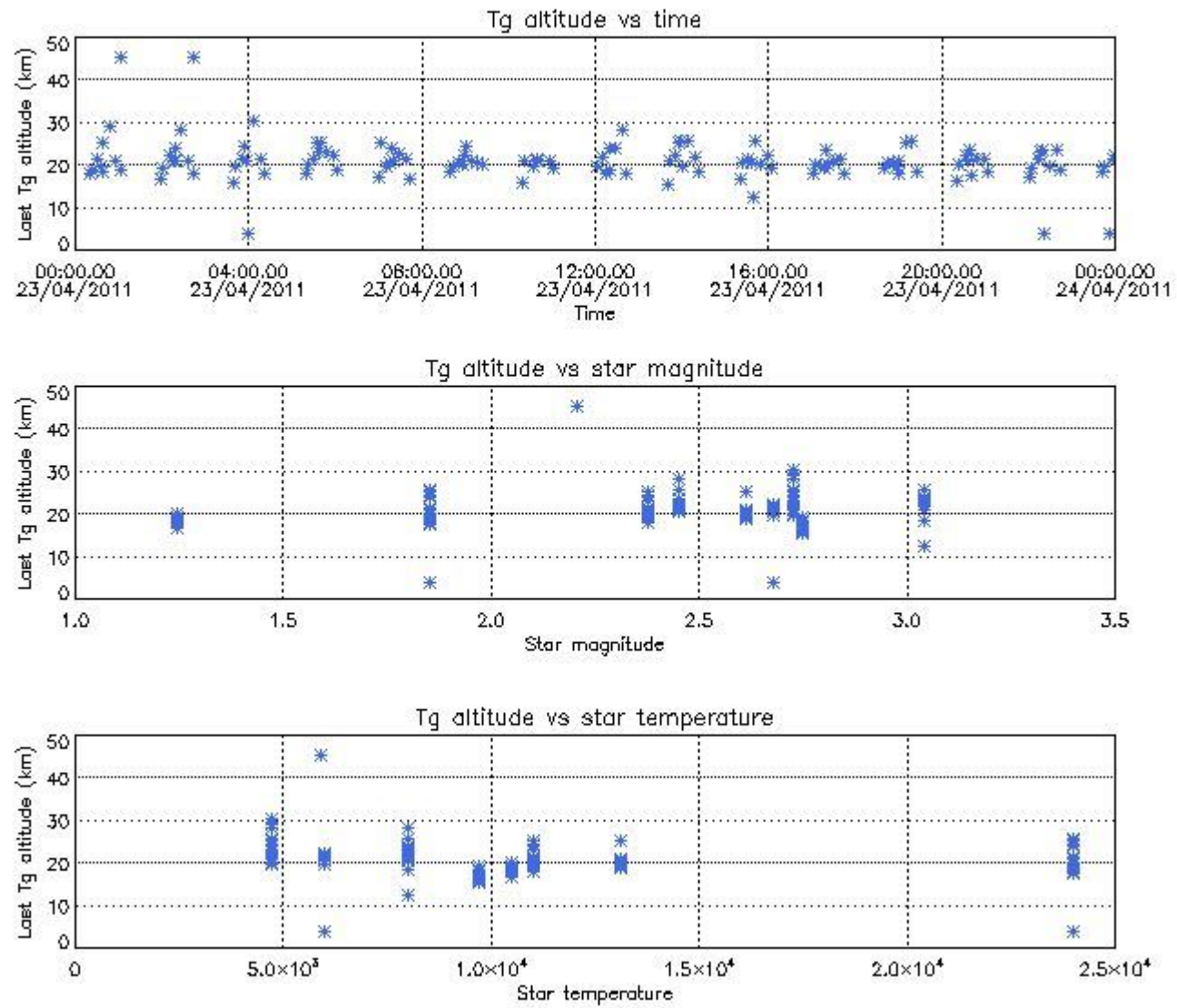
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

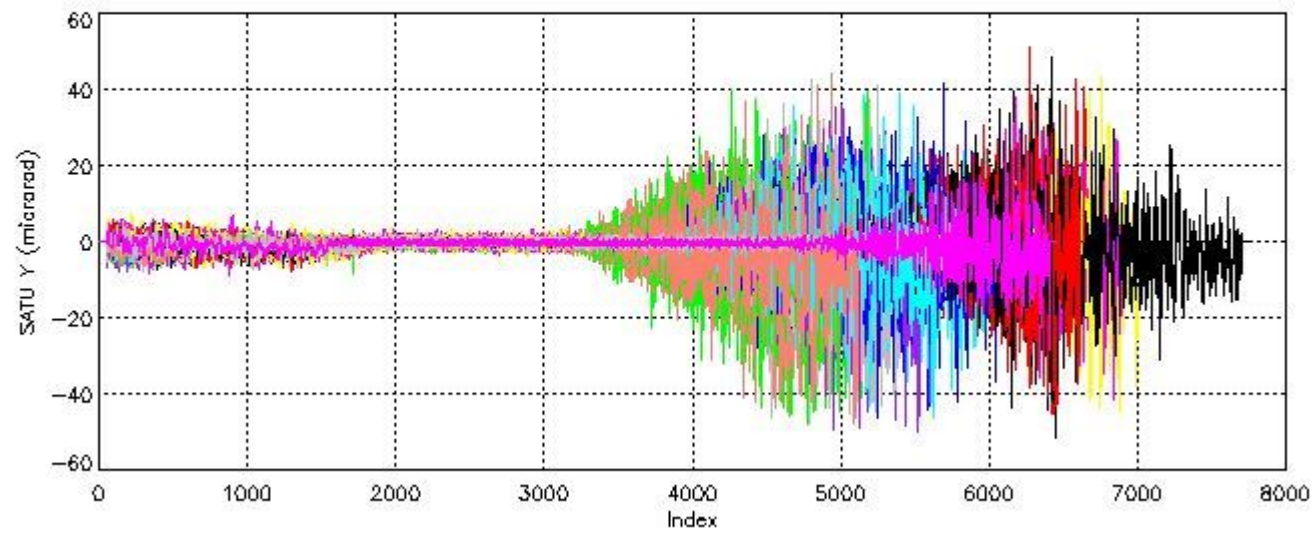
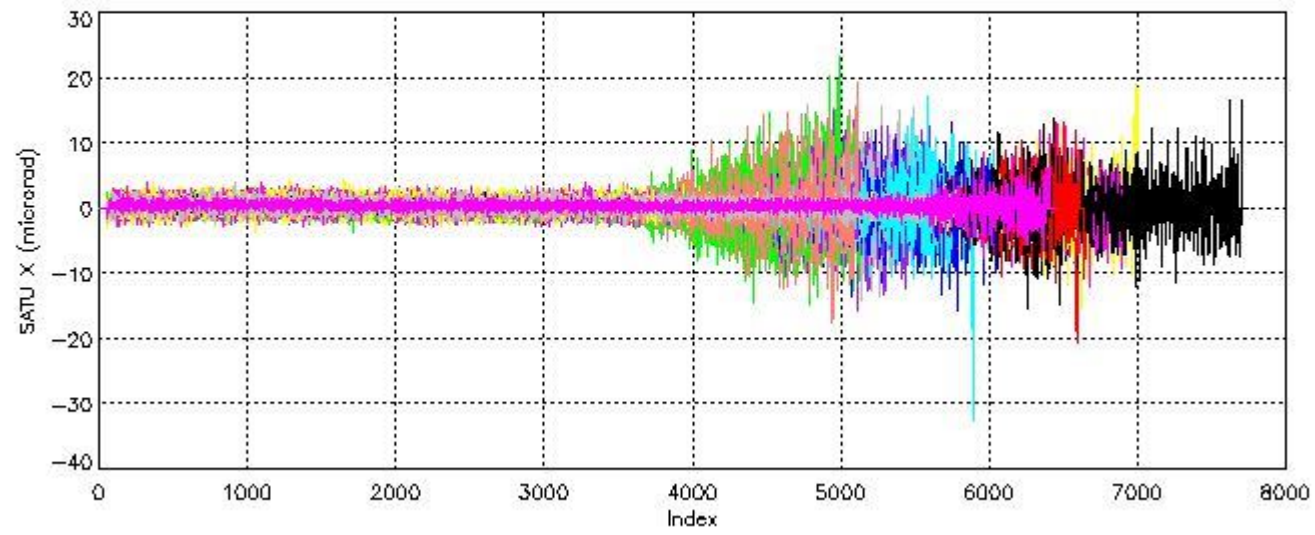


7. Star Acquisition and Tracking Unit (SATU)

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:	0.31908	-1.0799	0.34257	-1.3686
St. deviation:	0.62382	1.5438	0.89267	1.7051
Maximum:	4.1000	7.3000	8.3000	8.6000
Minimum:	-3.7000	-8.7000	-4.8000	-10.100

Number of data:	93250.	93250.	1.4595E+05	1.4595E+05
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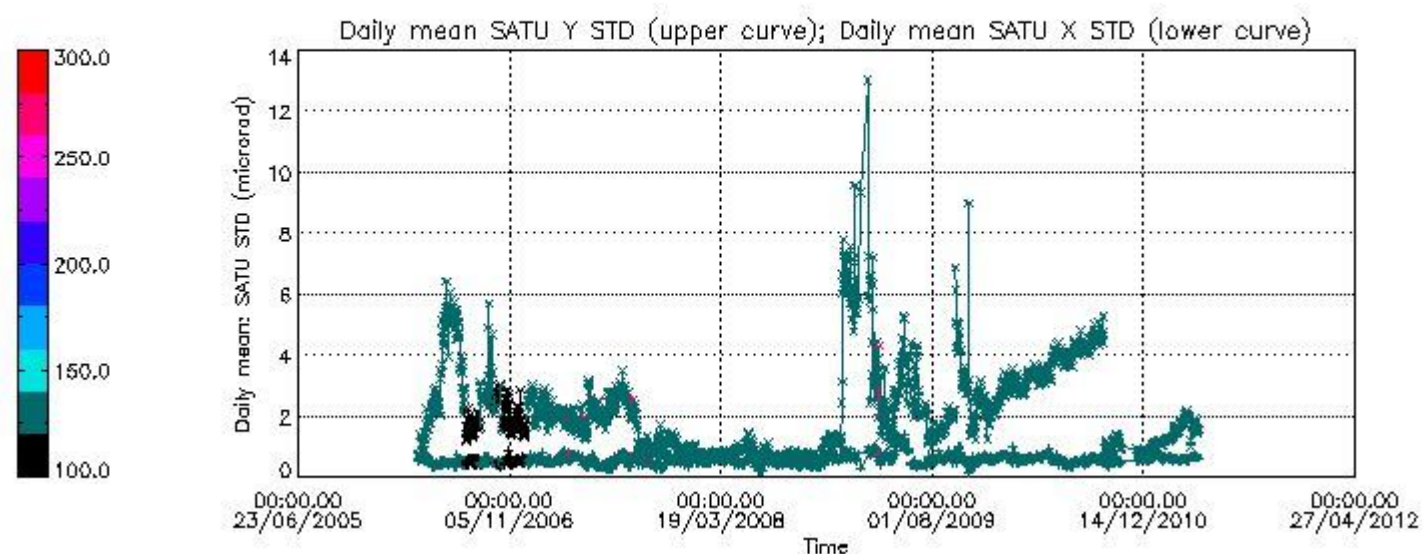
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

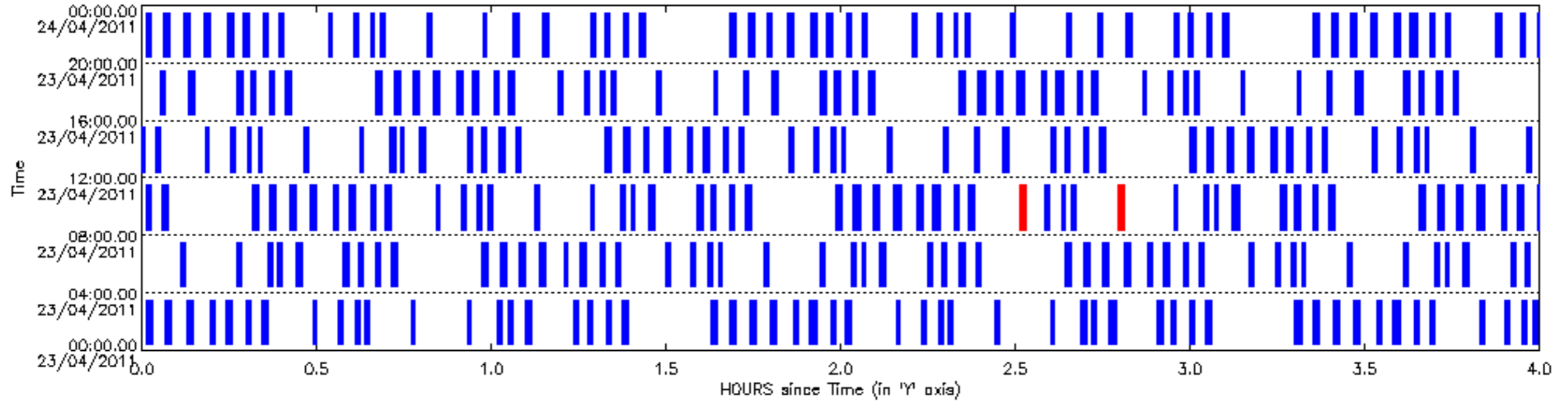


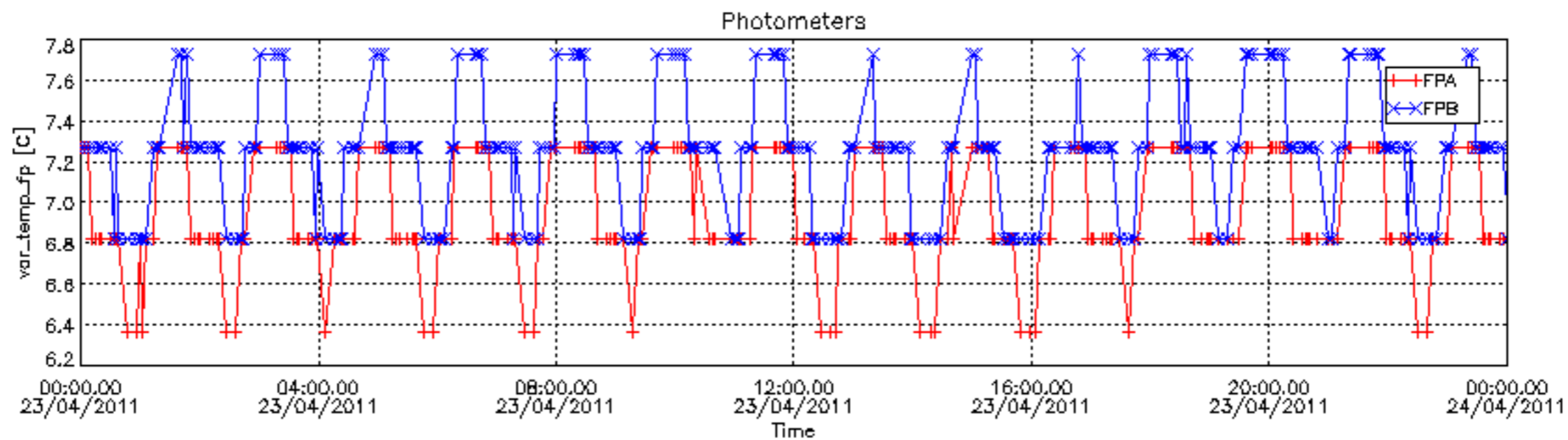
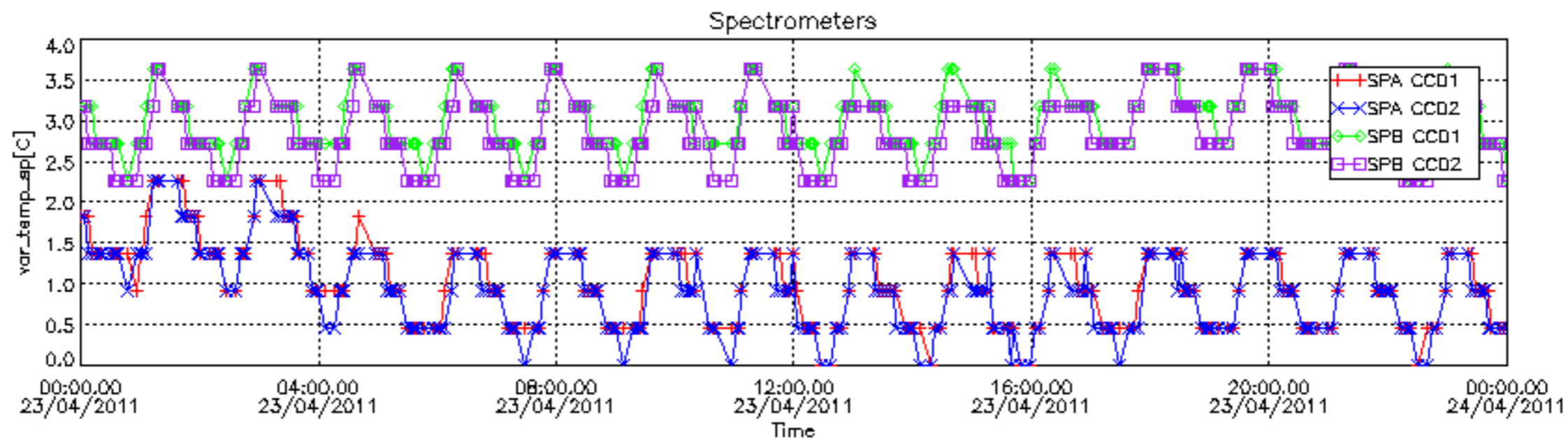
8. Auxiliary Data Files used for the production reported in section 2.4

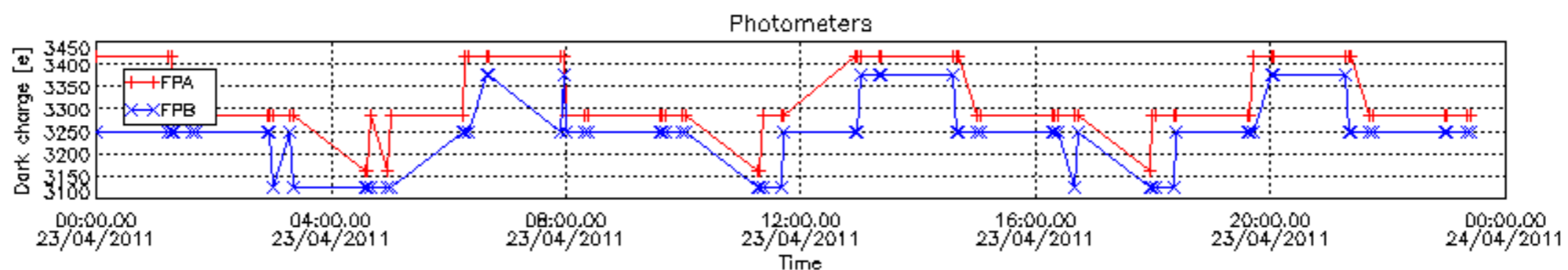
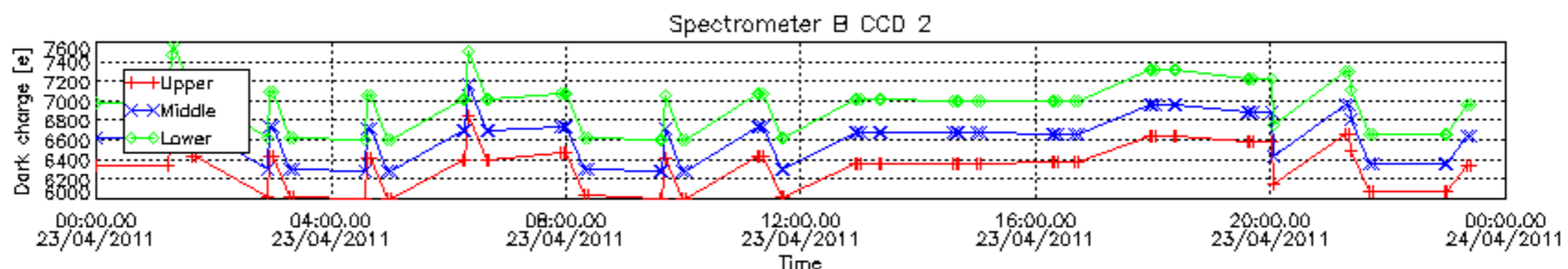
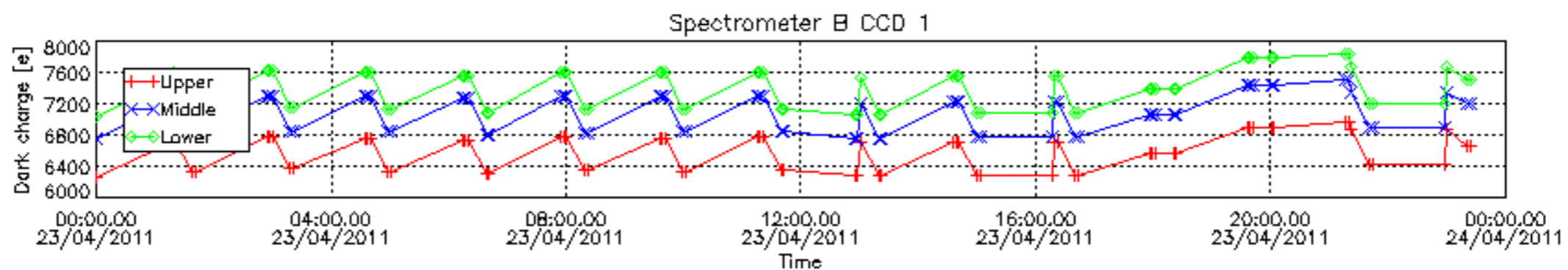
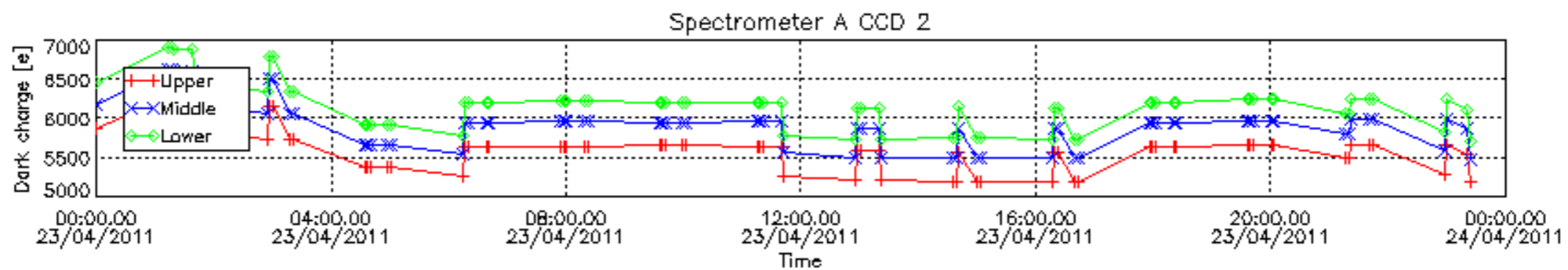
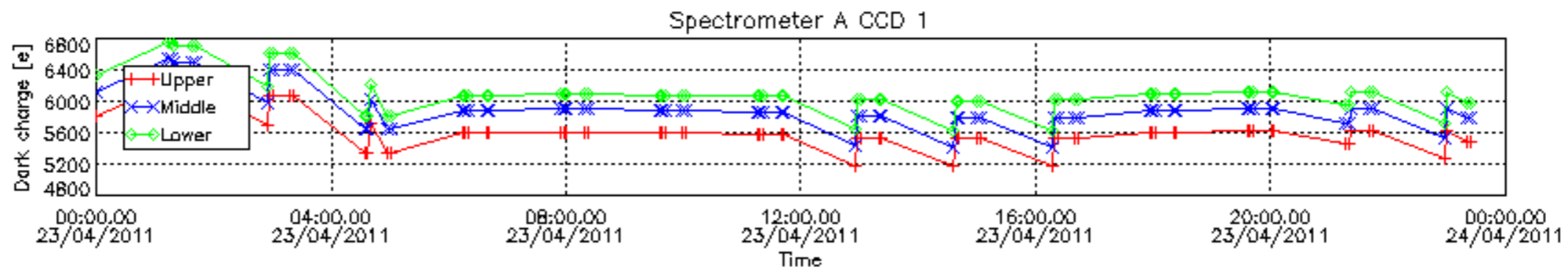
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

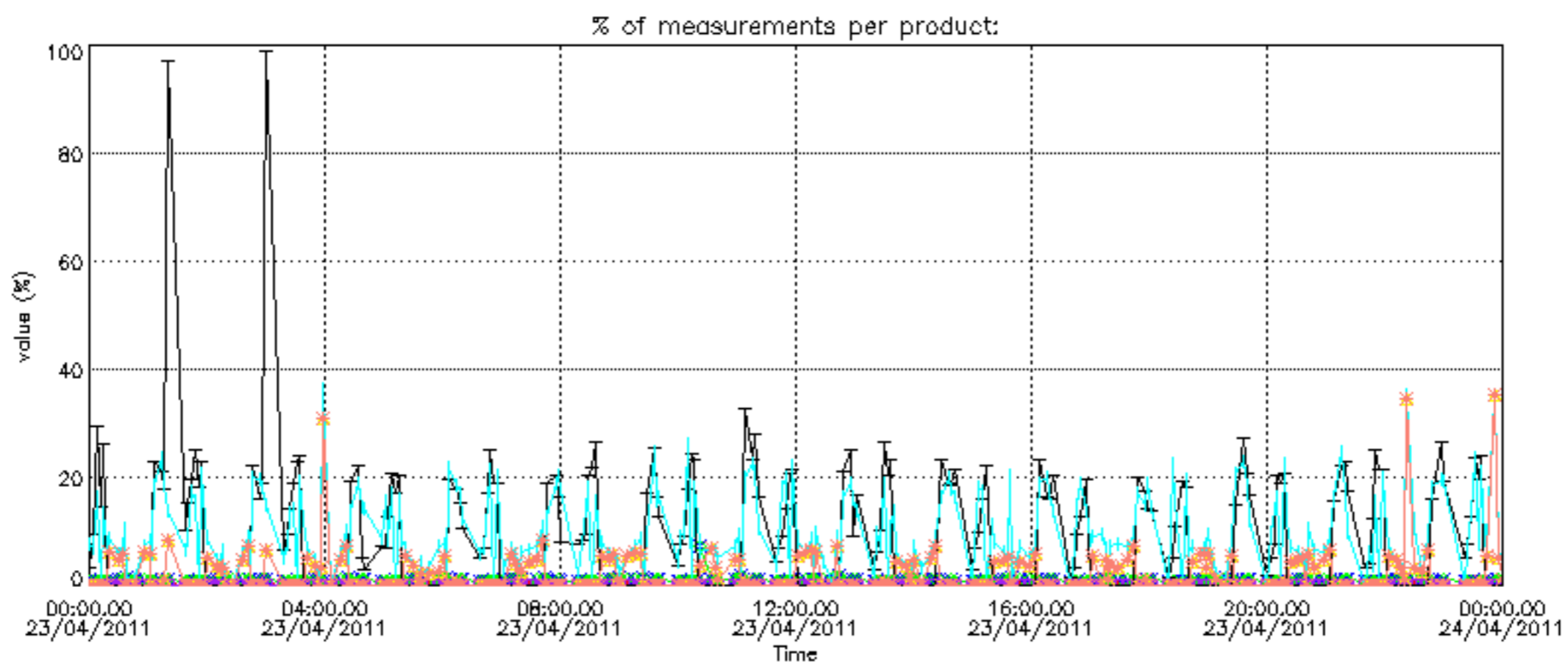
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	23-APR-2011 00:00:38
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110421_075944_20110419_000000_20500101_000000	1	23-APR-2011 00:00:38
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	23-APR-2011 00:00:38
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	23-APR-2011 00:00:38
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	23-APR-2011 00:00:38
ECMWF_FILE	AUX_ECF_AXNECM20110422_061605_20110422_210000_20110423_090000	1	23-APR-2011 00:00:38
ECMWF_FILE	AUX_ECF_AXNECM20110422_182910_20110423_030000_20110423_150000	53	23-APR-2011 04:16:14
ECMWF_FILE	AUX_ECA_AXNECM20110423_062115_20110422_210000_20110423_090000	73	23-APR-2011 05:56:28
ECMWF_FILE	AUX_ECF_AXNECM20110422_182910_20110423_030000_20110423_150000	107	23-APR-2011 08:41:45
ECMWF_FILE	AUX_ECF_AXNECM20110423_062115_20110423_090000_20110423_210000	127	23-APR-2011 10:21:59
ECMWF_FILE	AUX_ECF_AXNECM20110423_062116_20110423_150000_20110424_030000	182	23-APR-2011 15:16:31
ECMWF_FILE	AUX_ECA_AXNECM20110423_183324_20110423_090000_20110423_210000	218	23-APR-2011 18:30:17
ECMWF_FILE	AUX_ECF_AXNECM20110423_062116_20110423_150000_20110424_030000	237	23-APR-2011 20:10:33
ECMWF_FILE	AUX_ECF_AXNECM20110423_062116_20110423_210000_20110424_090000	252	23-APR-2011 21:22:34
OPTIONAL_ECMWF_FILE	MISSING	1	23-APR-2011 00:00:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110422_233546_000057383101_00389_47817_2967.N1	1	23-APR-2011 00:00:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110423_011643_000098833101_00390_47818_2968.N1	19	23-APR-2011 01:19:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110423_040645_000060573101_00392_47820_2971.N1	53	23-APR-2011 04:16:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110423_055300_000057383101_00393_47821_2972.N1	73	23-APR-2011 05:56:28
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110423_073357_000035073101_00394_47822_4382.N1	93	23-APR-2011 07:36:42

ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110423_083743_000057383101_00395_47823_4383.N1	107	23-APR-2011 08:41:45
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110423_101840_000057383101_00396_47824_4384.N1	127	23-APR-2011 10:21:59
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110423_115937_000054203101_00397_47825_4385.N1	144	23-APR-2011 11:59:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110423_133515_000057383101_00398_47826_4386.N1	164	23-APR-2011 13:39:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110423_151612_000054193101_00399_47827_4387.N1	182	23-APR-2011 15:16:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110423_165151_000054193101_00400_47828_4388.N1	200	23-APR-2011 16:54:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110423_182729_000057383101_00401_47829_4389.N1	218	23-APR-2011 18:30:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110423_200826_000038263101_00402_47830_2974.N1	237	23-APR-2011 20:10:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110423_211730_000060573101_00402_47830_2975.N1	252	23-APR-2011 21:22:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110423_225827_000057383101_00403_47831_2976.N1	271	23-APR-2011 23:02:49

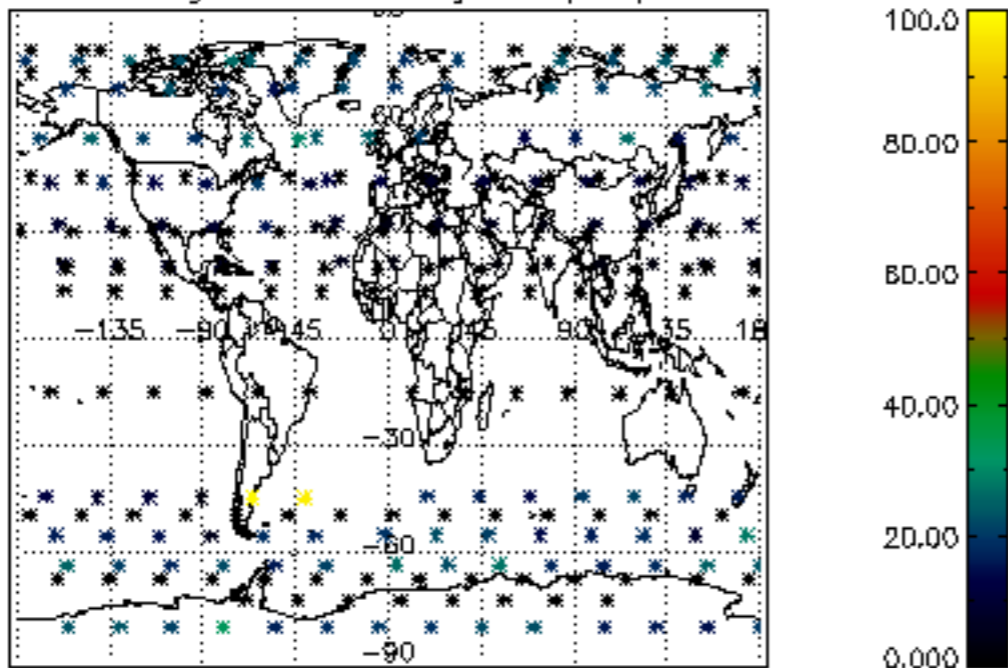




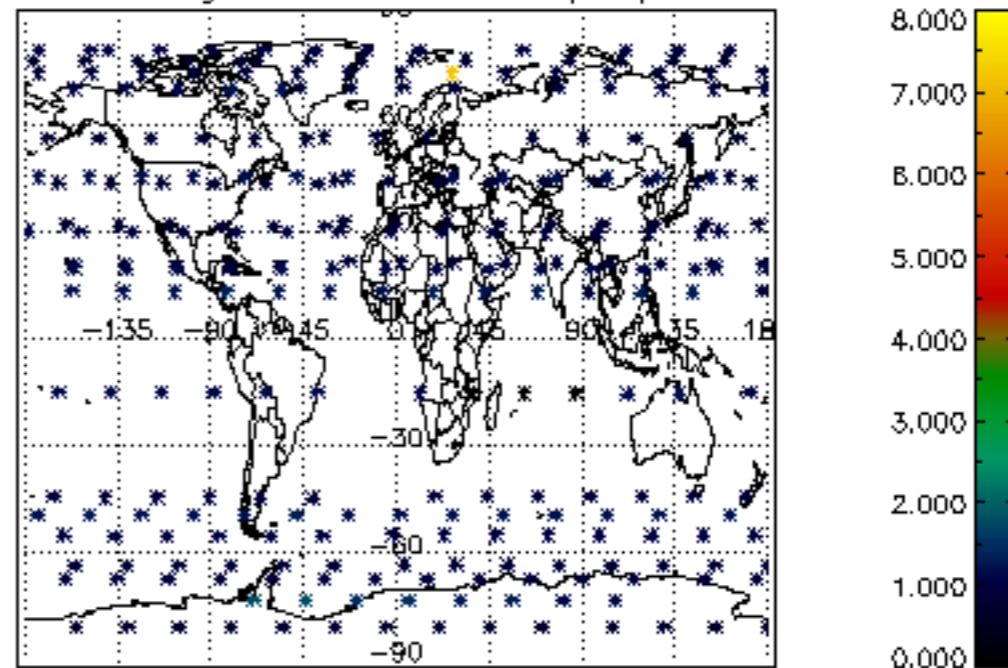




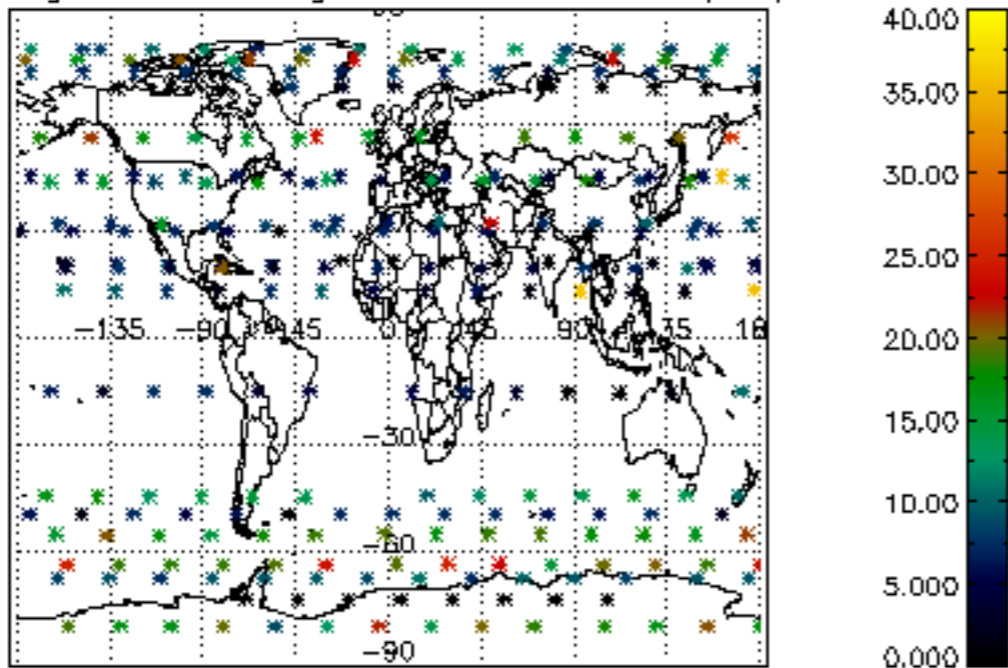
Percentage of cosmic ray hits per profile



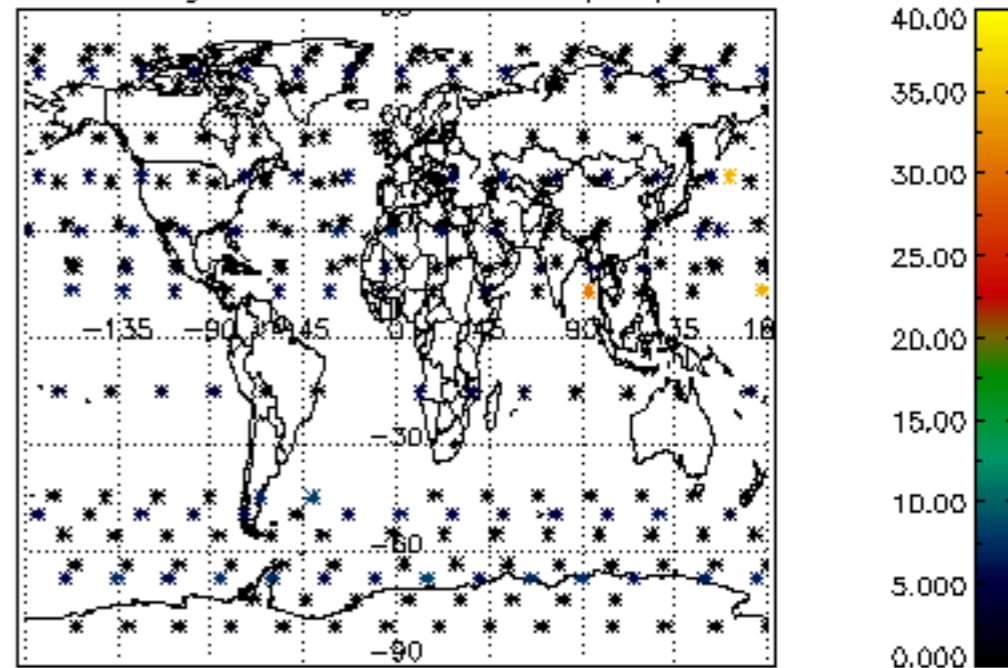
Percentage of datation errors per profile



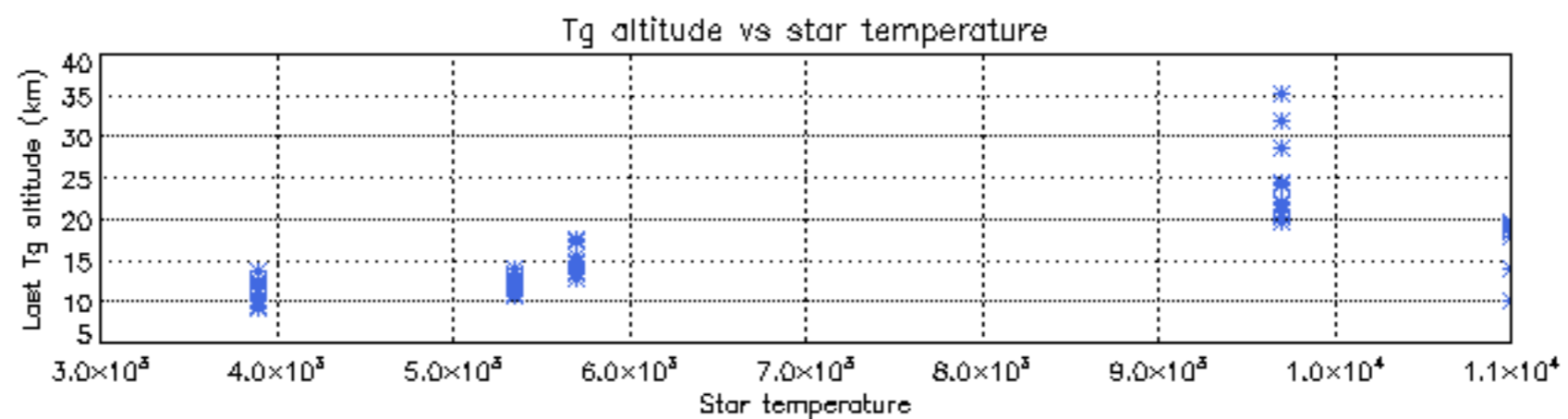
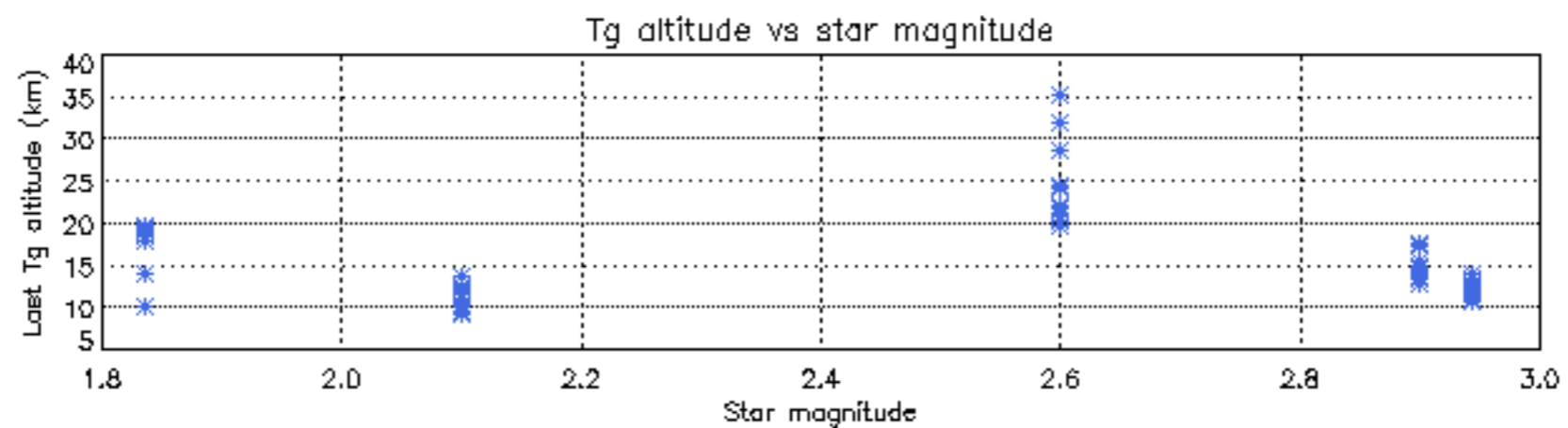
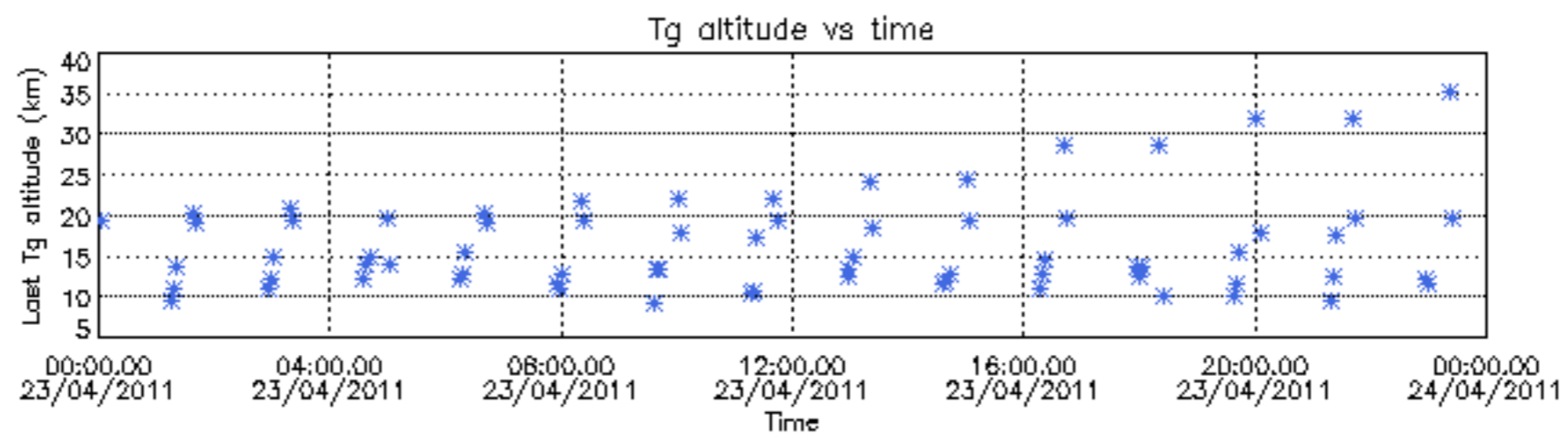
Percentage of star falling outside central band per profile



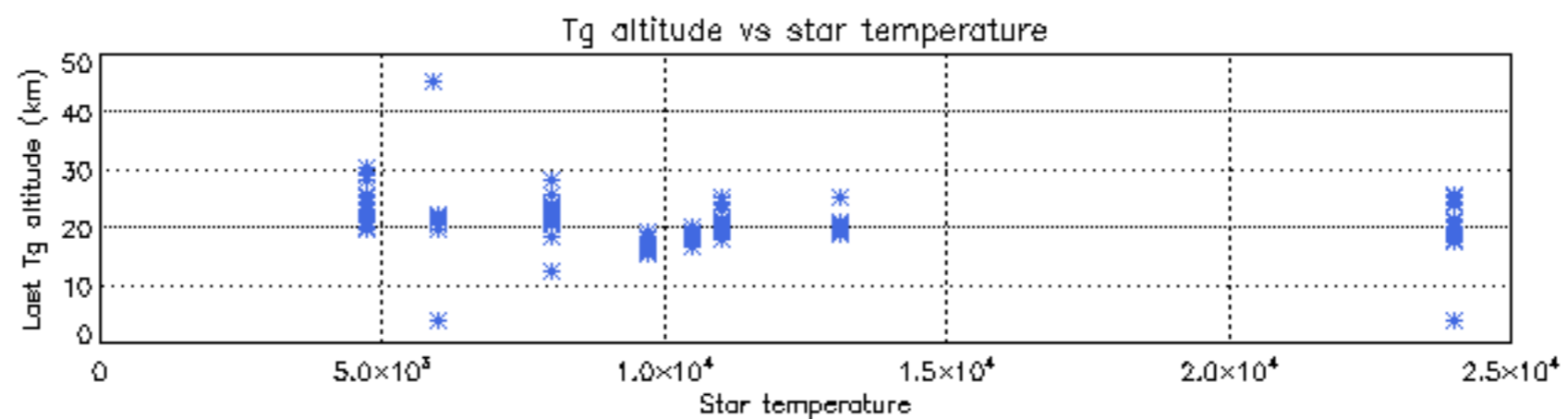
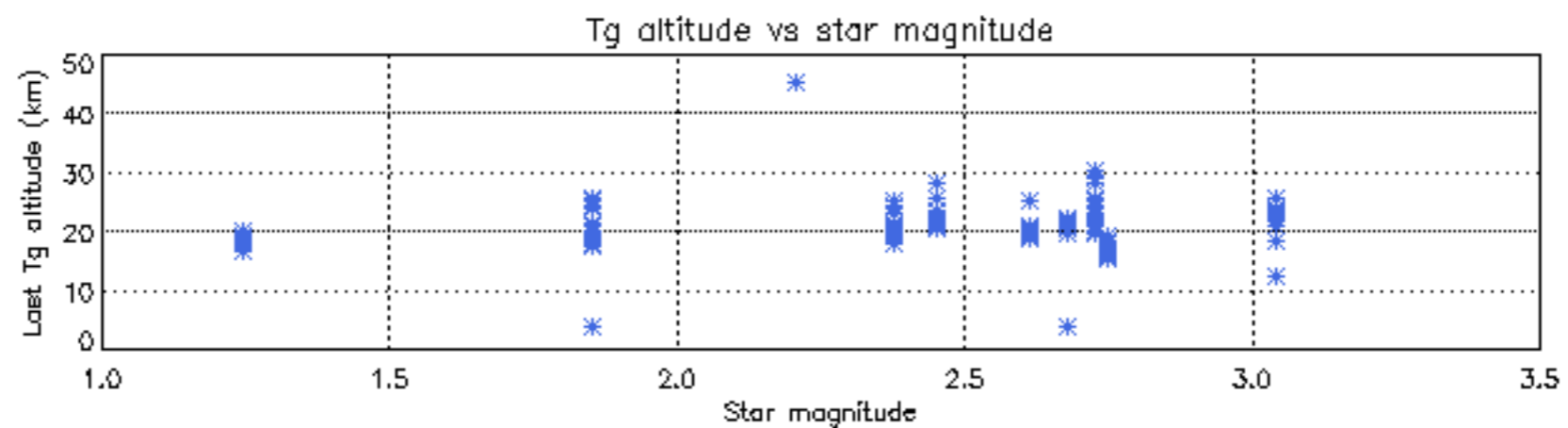
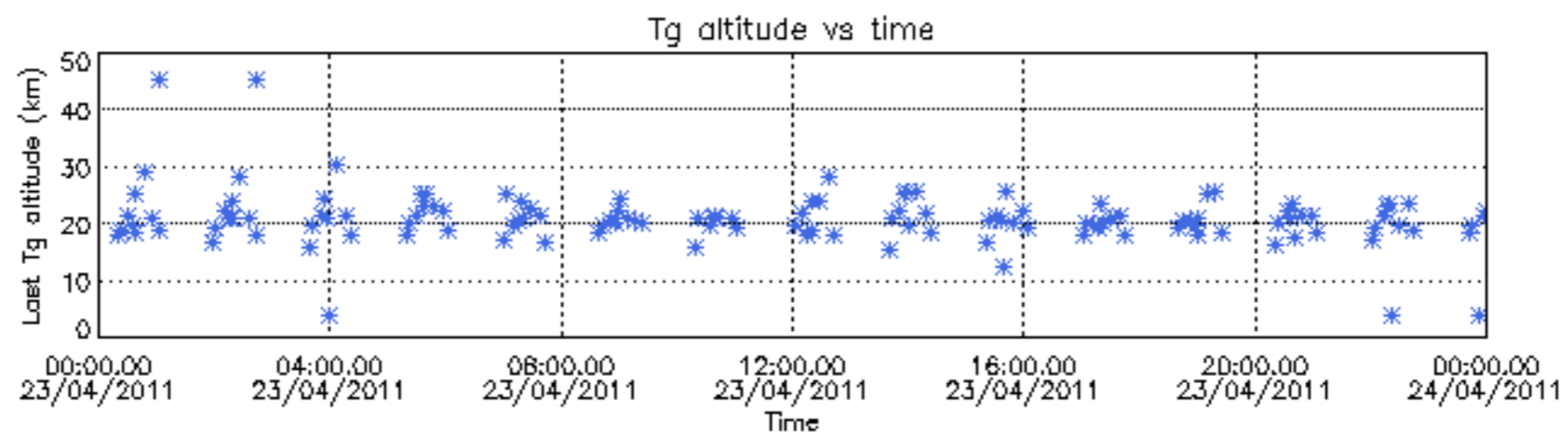
Percentage of saturation errors per profile

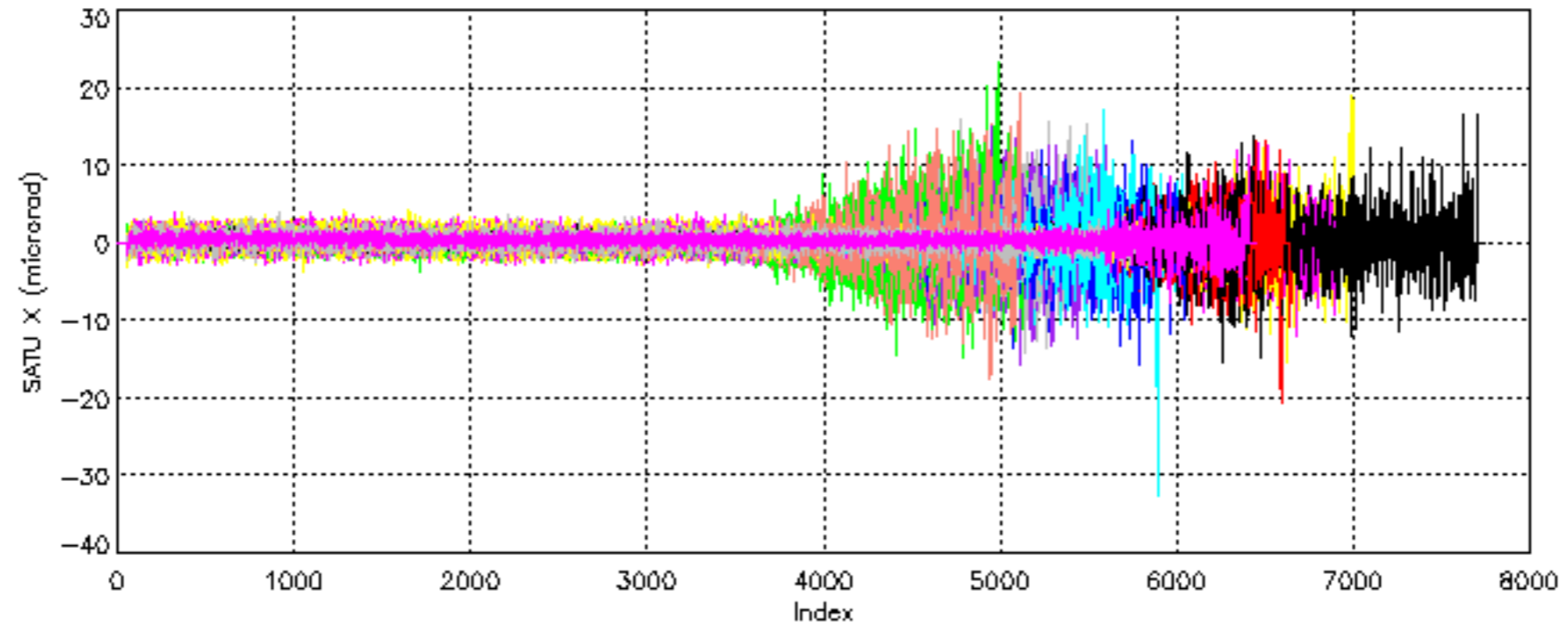


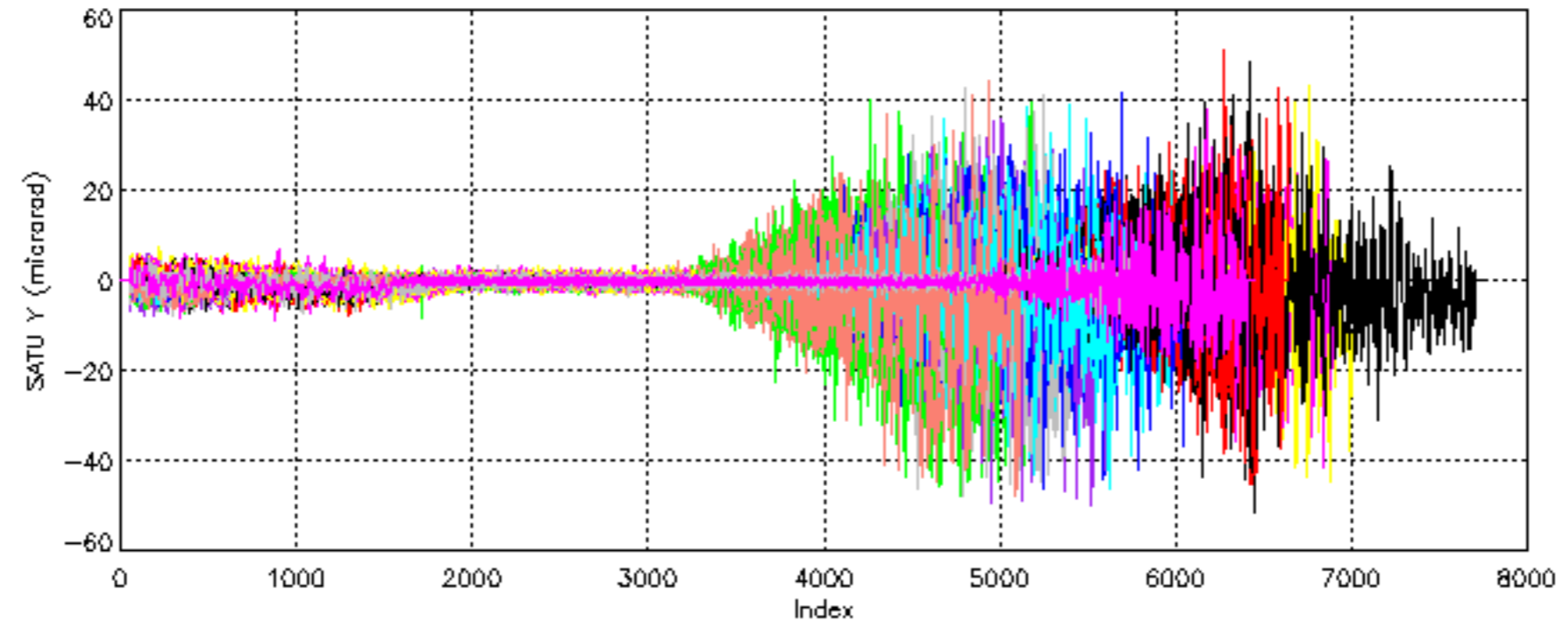
Tangent altitude at which the star is lost

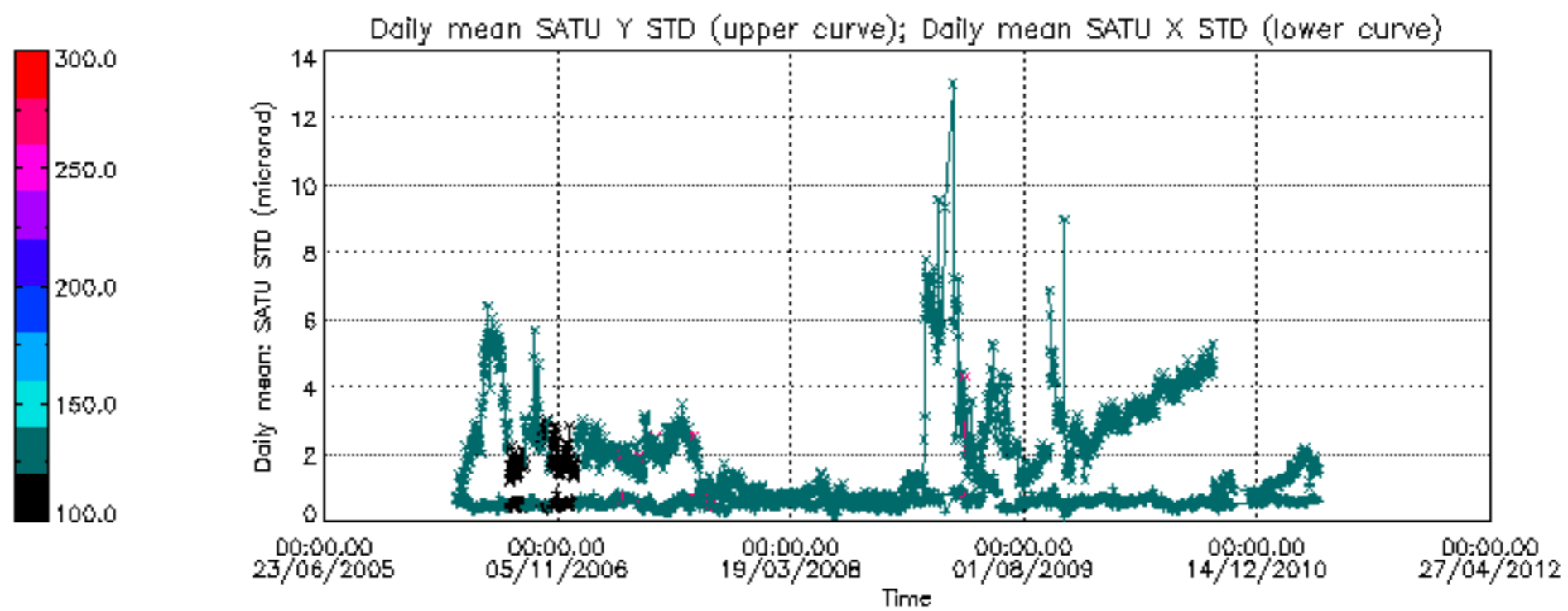


Tangent altitude at which the star is lost









/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
 21; 4413.0; 01-APR-2011 02:51:56; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;47503
 22; 5708.0; 01-APR-2011 03:13:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47503
 23; 5871.4; 01-APR-2011 03:16:14; Dark ; 52.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 104; 0;47503
 24; 6085.2; 01-APR-2011 03:19:48; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;47504
 25; 6310.8; 01-APR-2011 03:23:34; Dark ; 56.0; 40; The Sco ; 1.86; 7100;occ; 112; 0;47504
 26; 6527.3; 01-APR-2011 03:27:10; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;47504
 27; 6685.0; 01-APR-2011 03:29:48; Dark ; 53.0; 4; Alp1Cen ;-0.01; 5800;occ; 106; 0;47504
 28; 6850.1; 01-APR-2011 03:32:33; Dark ; 49.5; 78; Alp Lup ; 2.30; 28000;occ; 99; 0;47504
 29; 6945.5; 01-APR-2011 03:34:08; Dark ; 50.5; 81; Eta Cen ; 2.36; 28000;occ; 101; 0;47504
 30; 7108.1; 01-APR-2011 03:36:51; Dark ; 57.0; 54; 5The Cen ; 2.06; 4500;occ; 114; 0;47504
 31; 7465.3; 01-APR-2011 03:42:48; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;47504
 32; 7582.4; 01-APR-2011 03:44:45; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;47504
 33; 7689.7; 01-APR-2011 03:46:33; Dark ; 60.0; 15; 67Alp Vir ; 0.98; 28000;occ; 120; 0;47504
 34; 7883.8; 01-APR-2011 03:49:47; Bright; 44.5; 121; 29Gam Vir ; 2.74; 7200;occ; 89; 0;47504
 35; 8160.7; 01-APR-2011 03:54:24; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;47504
 36; 8664.8; 01-APR-2011 04:02:48; Bright; 38.5; 174; 52Psi UMa ; 3.00; 4400;occ; 77; 0;47504
 37; 8844.5; 01-APR-2011 04:05:47; Bright; 39.0; 87; 64Gam UMa ; 2.43; 11000;occ; 78; 0;47504
 38; 8953.2; 01-APR-2011 04:07:36; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;47504
 39; 9331.2; 01-APR-2011 04:13:54; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;47504

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110401_042319_000054893101_00076_47504_2572.N1

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 6; 2143.0; 05-APR-2011 14:49:15; Bright; 37.5; 62; 94Bet Leo ; 2.14; 9700;occ; 75; 0;47568
 7; 2624.7; 05-APR-2011 14:57:17; Bright; 41.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 83; 0;47568
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6; 2115.4; 06-APR-2011 15:52:17; Bright; 44.5; 138; 47Eps Vir ; 2.83; 4700;occ; 89; 0;47583
7; 2617.7; 06-APR-2011 16:00:40; Bright; 41.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 82; 0;47583
8; 2815.9; 06-APR-2011 16:03:58; Bright; 36.5; 87; 64Gam UMa ; 2.43; 11000;occ; 73; 0;47583
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13; 4161.0; 06-APR-2011 16:26:23; Bright; 71.0; 144; 18Del Cyg ; 2.86; 11000;occ; 142; 0;47583
14; 4288.5; 06-APR-2011 16:28:30; Bright; 46.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 92; 0;47583
15; 4420.9; 06-APR-2011 16:30:43; Bright; 46.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 93; 0;47583
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6; 2114.9; 06-APR-2011 17:32:31; Bright; 44.0; 138; 47Eps Vir ; 2.83; 4700;occ; 88; 0;47584
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9;	4105.1;	18-APR-2011	19:06:02;	Bright;	;	48.0;	144;	18Del Cyg	;	2.86;	11000;occ;	96;	0;	47757
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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
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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
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 9; 2772.3; 25-APR-2011 19:27:22; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;47858
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 11; 3826.8; 25-APR-2011 19:44:57; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;47858
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 16; 5301.6; 25-APR-2011 20:09:32; Dark ; 56.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 112; 0;47858
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 6; 981.3; 26-APR-2011 01:38:27; Dark ; 61.5; 75; 26Eps Sco ; 2.29; 4250;occ; 123; 0;47862
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