

GOMOS Daily Report 28-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	01MAY2011 07:05:41
Data source version	GOMOS/5.01
Start time of products	28APR2011 00:18:44
Stop time of products	28APR2011 23:58:10
Store outputs in DB	Yes
Nb of level 1b prods	283
Nb of prods with errors	2

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

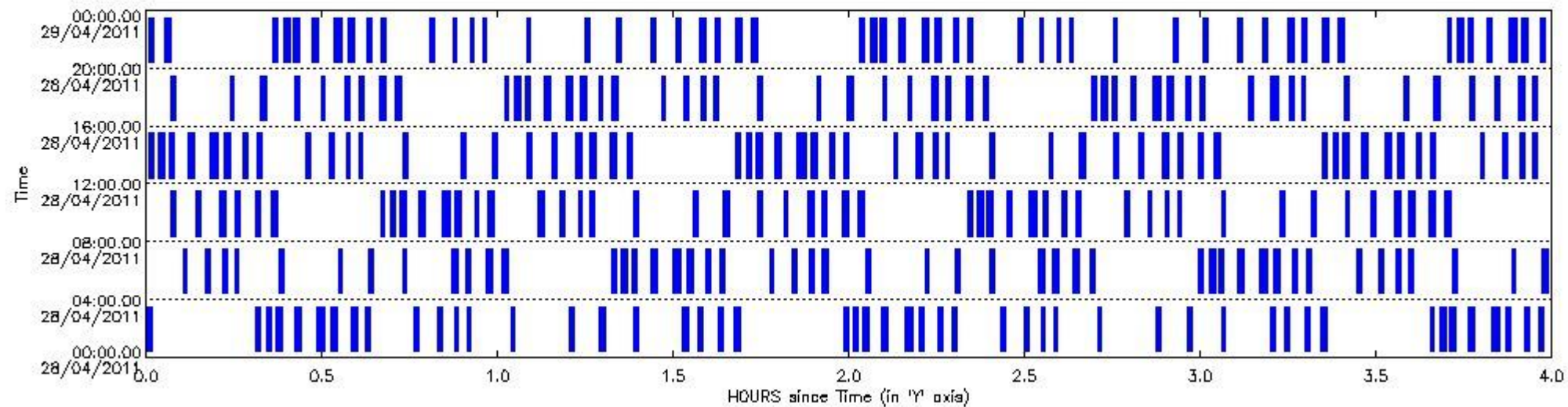
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

No missing products.

2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20110428_001844_000000453102_00031_47890_8711.N1	28-APR-2011 00:18:44	Straylight	44.500	141	Bet Ara	2.8400	4600.0	89	47890	No
2	GOM_TRA_1PNPDE20110428_002025_000000583102_00031_47890_8712.N1	28-APR-2011 00:20:25	Straylight	57.500	40	The Sco	1.8590	7100.0	115	47890	No
3	GOM_TRA_1PNPDE20110428_002206_000000653102_00031_47890_8713.N1	28-APR-2011 00:22:06	Straylight	64.500	25	35Lam Sco	1.6200	28000.	129	47890	No
4	GOM_TRA_1PNPDE20110428_002521_000000633102_00031_47890_8714.N1	28-APR-2011 00:25:21	Straylight	63.000	75	26Eps Sco	2.2910	4250.0	126	47890	No
5	GOM_TRA_1PNPDE20110428_002913_000000733102_00031_47890_8715.N1	28-APR-2011 00:29:13	Twilight_stray	72.500	16	21Alp Sco	1.0200	3000.0	145	47890	No
6	GOM_TRA_1PNPDE20110428_003135_000000643102_00031_47890_8716.N1	28-APR-2011 00:31:35	Twilight_stray	64.000	80	7Del Sco	2.3160	30000.	128	47890	No
7	GOM_TRA_1PNPDE20110428_003453_000000633102_00031_47890_8717.N1	28-APR-2011 00:34:53	Bright	63.000	122	9Alp2Lib	2.7470	9700.0	126	47890	No
8	GOM_TRA_1PNPDE20110428_003716_000000523102_00031_47890_8718.N1	28-APR-2011 00:37:16	Bright	51.500	104	27Bet Lib	2.6140	13100.	103	47890	No
9	GOM_TRA_1PNPDE20110428_004544_000000403102_00031_47890_8719.N1	28-APR-2011 00:45:44	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	47890	No
10	GOM_TRA_1PNPDE20110428_004937_000000503102_00031_47890_8720.N1	28-APR-2011 00:49:37	Bright	49.500	83		2.3780	11000.	99	47890	No
11	GOM_TRA_1PNPDE20110428_005235_000000433102_00031_47890_8721.N1	28-APR-2011 00:52:35	Bright	42.500	180	27Gam Boo	3.0400	8000.0	85	47890	No
12	GOM_TRA_1PNPDE20110428_005441_000000393102_00031_47890_8722.N1	28-APR-2011 00:54:41	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	47890	No

13	GOM_TRA_1PNPDE20110428_010211_000000473102_00031_47890_8723.N1	28-APR-2011 01:02:11	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	47890	No
14	GOM_TRA_1PNPDE20110428_011215_000000423102_00031_47890_8724.N1	28-APR-2011 01:12:15	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	47890	No
15	GOM_TRA_1PNPDE20110428_011726_000000593102_00031_47890_8725.N1	28-APR-2011 01:17:26	Bright	58.500	19	50Alp Cyg	1.2460	10500.	117	47890	No
16	GOM_TRA_1PNPDE20110428_012318_000000413102_00031_47890_8726.N1	28-APR-2011 01:23:18	Bright	41.000	164	44Eta Peg	2.9480	5400.0	82	47890	No
17	GOM_TRA_1PNPDE20110428_013137_000000613102_00031_47890_8727.N1	28-APR-2011 01:31:37	Dark	60.500	61	8Eps Peg	2.1000	3900.0	121	47890	No
18	GOM_TRA_1PNPDE20110428_013404_000000563102_00031_47890_8728.N1	28-APR-2011 01:34:04	Dark	55.500	162	34Alp Aqr	2.9440	5350.0	111	47890	No
19	GOM_TRA_1PNPDE20110428_013732_000000553102_00031_47890_8730.N1	28-APR-2011 01:37:32	Dark	55.000	154	22Bet Aqr	2.8990	5700.0	110	47890	No
20	GOM_TRA_1PNPDE20110428_015858_000000493102_00032_47891_8731.N1	28-APR-2011 01:58:58	Straylight	49.000	141	Bet Ara	2.8400	4600.0	98	47891	No
21	GOM_TRA_1PNPDE20110428_020039_000000573102_00032_47891_8732.N1	28-APR-2011 02:00:39	Straylight	57.000	40	The Sco	1.8590	7100.0	114	47891	No
22	GOM_TRA_1PNPDE20110428_020221_000000613102_00032_47891_8733.N1	28-APR-2011 02:02:21	Straylight	61.000	25	35Lam Sco	1.6200	28000.	122	47891	No
23	GOM_TRA_1PNPDE20110428_020536_000000613102_00032_47891_8734.N1	28-APR-2011 02:05:36	Straylight	60.500	75	26Eps Sco	2.2910	4250.0	121	47891	No
24	GOM_TRA_1PNPDE20110428_020927_000000813102_00032_47891_8735.N1	28-APR-2011 02:09:27	Tw_i_and_stray	80.500	16	21Alp Sco	1.0200	3000.0	161	47891	No
25	GOM_TRA_1PNPDE20110428_021149_000000633102_00032_47891_8736.N1	28-APR-2011 02:11:49	Tw_i_and_stray	62.500	80	7Del Sco	2.3160	30000.	125	47891	No
26	GOM_TRA_1PNPDE20110428_021507_000000483102_00032_47891_8737.N1	28-APR-2011 02:15:07	Bright	47.500	122	9Alp2Lib	2.7470	9700.0	95	47891	No
27	GOM_TRA_1PNPDE20110428_021729_000000513102_00032_47891_8738.N1	28-APR-2011 02:17:29	Bright	51.000	104	27Bet Lib	2.6140	13100.	102	47891	No
28	GOM_TRA_1PNPDE20110428_022557_000000413102_00032_47891_8739.N1	28-APR-2011 02:25:57	Bright	41.000	111	8Eta Boo	2.6800	6000.0	82	47891	No
29	GOM_TRA_1PNPDE20110428_022951_000000453102_00032_47891_8740.N1	28-APR-2011 02:29:51	Bright	45.000	83		2.3780	11000.	90	47891	No
30	GOM_TRA_1PNPDE20110428_023248_000000423102_00032_47891_8741.N1	28-APR-2011 02:32:48	Bright	41.500	180	27Gam Boo	3.0400	8000.0	83	47891	No
31	GOM_TRA_1PNPDE20110428_023454_000000383102_00032_47891_8742.N1	28-APR-2011 02:34:54	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	47891	No
32	GOM_TRA_1PNPDE20110428_024225_000000463102_00032_47891_8743.N1	28-APR-2011 02:42:25	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	47891	No
33	GOM_TRA_1PNPDE20110428_025229_000000423102_00032_47891_8773.N1	28-APR-2011 02:52:29	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	47891	No
34	GOM_TRA_1PNPDE20110428_025739_000000583102_00032_47891_8774.N1	28-APR-2011 02:57:39	Bright	58.000	19	50Alp Cyg	1.2460	10500.	116	47891	No
35	GOM_TRA_1PNPDE20110428_030333_000000423102_00032_47891_8775.N1	28-APR-2011 03:03:33	Bright	41.500	164	44Eta Peg	2.9480	5400.0	83	47891	No
36	GOM_TRA_1PNPDE20110428_031152_000000583102_00032_47891_8776.N1	28-APR-2011 03:11:52	Dark	57.500	61	8Eps Peg	2.1000	3900.0	115	47891	No
37	GOM_TRA_1PNPDE20110428_031419_000000563102_00032_47891_8777.N1	28-APR-2011 03:14:19	Dark	55.500	162	34Alp Aqr	2.9440	5350.0	111	47891	No
38	GOM_TRA_1PNPDE20110428_031747_000000573102_00032_47891_8778.N1	28-APR-2011 03:17:47	Dark	56.500	154	22Bet Aqr	2.8990	5700.0	113	47891	No
39	GOM_TRA_1PNPDE20110428_033913_000000453102_00033_47892_8779.N1	28-APR-2011 03:39:13	Straylight	44.500	141	Bet Ara	2.8400	4600.0	89	47892	No
40	GOM_TRA_1PNPDE20110428_034055_000000563102_00033_47892_8780.N1	28-APR-2011 03:40:55	Straylight	56.000	40	The Sco	1.8590	7100.0	112	47892	No
41	GOM_TRA_1PNPDE20110428_034236_000000663102_00033_47892_8781.N1	28-APR-2011 03:42:36	Straylight	66.000	25	35Lam Sco	1.6200	28000.	132	47892	No
42	GOM_TRA_1PNPDE20110428_034551_000000613102_00033_47892_8782.N1	28-APR-2011 03:45:51	Straylight	61.000	75	26Eps Sco	2.2910	4250.0	122	47892	No
43	GOM_TRA_1PNPDE20110428_034942_000000763102_00033_47892_8783.N1	28-APR-2011 03:49:42	Tw_i_and_stray	76.000	16	21Alp Sco	1.0200	3000.0	152	47892	No
44	GOM_TRA_1PNPDE20110428_035204_000000603102_00033_47892_8784.N1	28-APR-2011 03:52:04	Tw_i_and_stray	59.500	80	7Del Sco	2.3160	30000.	119	47892	No
45	GOM_TRA_1PNPDE20110428_035521_000000453102_00033_47892_8785.N1	28-APR-2011 03:55:21	Bright	45.000	122	9Alp2Lib	2.7470	9700.0	90	47892	No
46	GOM_TRA_1PNPDE20110428_035743_000000513102_00033_47892_8834.N1	28-APR-2011 03:57:43	Bright	50.500	104	27Bet Lib	2.6140	13100.	101	47892	No
47	GOM_TRA_1PNPDE20110428_040612_000000403102_00033_47892_8835.N1	28-APR-2011 04:06:12	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	47892	No
48	GOM_TRA_1PNPDE20110428_041004_000000503102_00033_47892_8836.N1	28-APR-2011 04:10:04	Bright	49.500	83		2.3780	11000.	99	47892	No
49	GOM_TRA_1PNPDE20110428_041302_000000413102_00033_47892_8837.N1	28-APR-2011 04:13:02	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	47892	No
50	GOM_TRA_1PNPDE20110428_041508_000000393102_00033_47892_8838.N1	28-APR-2011 04:15:08	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	47892	No
51	GOM_TRA_1PNPDE20110428_042238_000000463102_00033_47892_8839.N1	28-APR-2011 04:22:38	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	47892	No
52	GOM_TRA_1PNPDE20110428_043243_000000423102_00033_47892_8796.N1	28-APR-2011 04:32:43	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	47892	No
53	GOM_TRA_1PNPDE20110428_043753_000000593102_00033_47892_8797.N1	28-APR-2011 04:37:53	Bright	58.500	19	50Alp Cyg	1.2460	10500.	117	47892	No
54	GOM_TRA_1PNPDE20110428_044346_000000433102_00033_47892_8798.N1	28-APR-2011 04:43:46	Bright	42.500	164	44Eta Peg	2.9480	5400.0	85	47892	No
55	GOM_TRA_1PNPDE20110428_045207_000000663102_00033_47892_8799.N1	28-APR-2011 04:52:07	Dark	65.500	61	8Eps Peg	2.1000	3900.0	131	47892	No
56	GOM_TRA_1PNPDE20110428_045434_000000553102_00033_47892_8800.N1	28-APR-2011 04:54:34	Dark	55.000	162	34Alp Aqr	2.9440	5350.0	110	47892	No
57	GOM_TRA_1PNPDE20110428_045802_000000593102_00033_47892_8801.N1	28-APR-2011 04:58:02	Dark	58.500	154	22Bet Aqr	2.8990	5700.0	117	47892	No
58	GOM_TRA_1PNPDE20110428_051928_000000513102_00034_47893_8802.N1	28-APR-2011 05:19:28	Straylight	51.000	141	Bet Ara	2.8400	4600.0	102	47893	No
59	GOM_TRA_1PNPDE20110428_052110_000000543102_00034_47893_8803.N1	28-APR-2011 05:21:10	Straylight	53.500	40	The Sco	1.8590	7100.0	107	47893	No
60	GOM_TRA_1PNPDE20110428_052251_000000603102_00034_47893_8804.N1	28-APR-2011 05:22:51	Straylight	60.000	25	35Lam Sco	1.6200	28000.	120	47893	No
61	GOM_TRA_1PNPDE20110428_052606_000000613102_00034_47893_8805.N1	28-APR-2011 05:26:06	Straylight	60.500	75	26Eps Sco	2.2910	4250.0	121	47893	No
62	GOM_TRA_1PNPDE20110428_052957_000000833102_00034_47893_8806.N1	28-APR-2011 05:29:57	Tw_i_and_stray	82.500	16	21Alp Sco	1.0200	3000.0	165	47893	No
63	GOM_TRA_1PNPDE20110428_053218_000000653102_00034_47893_8807.N1	28-APR-2011 05:32:18	Tw_i_and_stray	64.500	80	7Del Sco	2.3160	30000.	129	47893	No
64	GOM_TRA_1PNPDE20110428_053535_000000483102_00034_47893_8808.N1	28-APR-2011 05:35:35	Bright	47.500	122	9Alp2Lib	2.7470	9700.0	95	47893	No
65	GOM_TRA_1PNPDE20110428_053757_000000523102_00034_47893_8809.N1	28-APR-2011 05:37:57	Bright	51.500	104	27Bet Lib	2.6140	13100.	103	47893	No
66	GOM_TRA_1PNPDE20110428_054625_000000403102_00034_47893_8810.N1	28-APR-2011 05:46:25	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	47893	No
67	GOM_TRA_1PNPDE20110428_055018_000000493102_00034_47893_8811.N1	28-APR-2011 05:50:18	Bright	48.500	83		2.3780	11000.	97	47893	No
68	GOM_TRA_1PNPDE20110428_055315_000000433102_00034_47893_8812.N1	28-APR-2011 05:53:15	Bright	42.500	180	27Gam Boo	3.0400	8000.0	85	47893	No
69	GOM_TRA_1PNPDE20110428_055522_000000563102_00034_47893_8813.N1	28-APR-2011 05:55:22	Bright	56.000	39	85Eta UMa	1.8540	24000.	112	47893	No
70	GOM_TRA_1PNPDE20110428_060251_000000443102_00034_47893_8814.N1	28-APR-2011 06:02:51	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	47893	No
71	GOM_TRA_1PNPDK20110428_061257_000000403102_00034_47893_9758.N1	28-APR-2011 06:12:57	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	47893	No

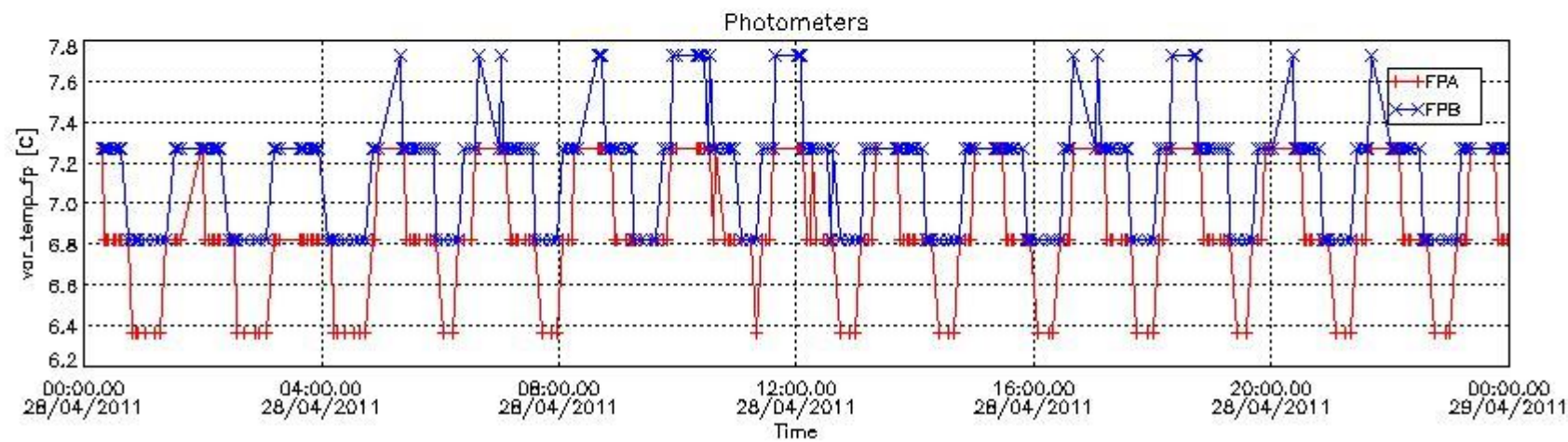
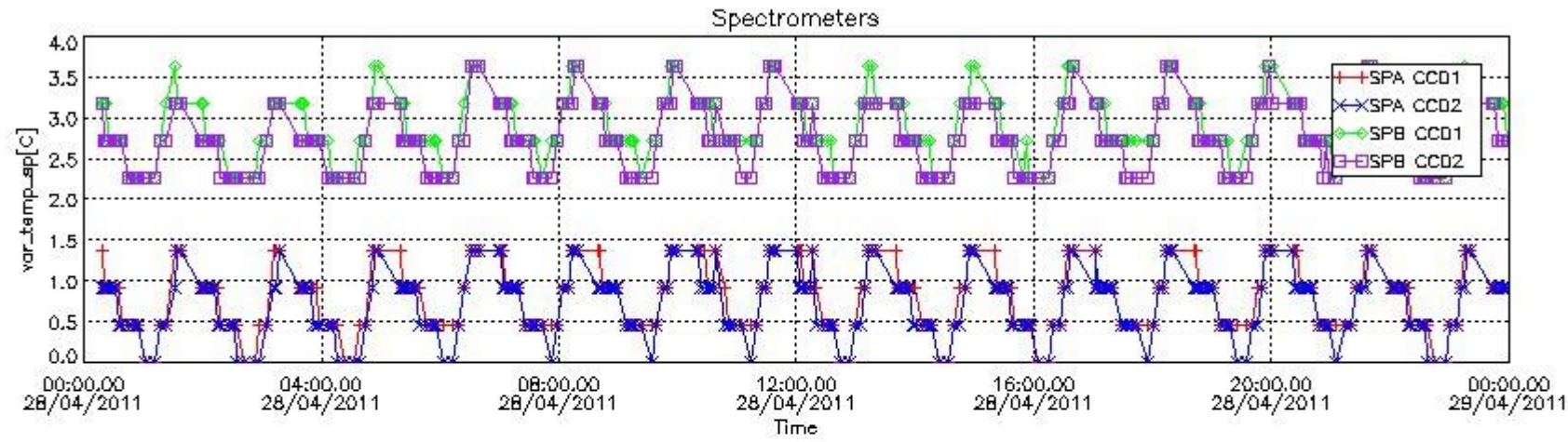
72	GOM_TRA_1PNPDK20110428_061807_000000573102_00034_47893_9759.N1	28-APR-2011 06:18:07	Bright	56.500	19	50Alp Cyg	1.2460	10500.	113	47893	No
73	GOM_TRA_1PNPDK20110428_062401_000000433102_00034_47893_9760.N1	28-APR-2011 06:24:01	Bright	43.000	164	44Eta Peg	2.9480	5400.0	86	47893	No
74	GOM_TRA_1PNPDK20110428_063221_000000593102_00034_47893_9761.N1	28-APR-2011 06:32:21	Dark	58.500	61	8Eps Peg	2.1000	3900.0	117	47893	No
75	GOM_TRA_1PNPDK20110428_063448_000000533102_00034_47893_9762.N1	28-APR-2011 06:34:48	Dark	52.500	162	34Alp Aqr	2.9440	5350.0	105	47893	No
76	GOM_TRA_1PNPDK20110428_063818_000000633102_00034_47893_9763.N1	28-APR-2011 06:38:18	Dark	62.500	154	22Bet Aqr	2.8990	5700.0	125	47893	No
77	GOM_TRA_1PNPDK20110428_065943_000000443102_00035_47894_9764.N1	28-APR-2011 06:59:43	Straylight	44.000	141	Bet Ara	2.8400	4600.0	88	47894	No
78	GOM_TRA_1PNPDK20110428_070124_000000693102_00035_47894_9765.N1	28-APR-2011 07:01:24	Straylight	68.500	40	The Sco	1.8590	7100.0	137	47894	No
79	GOM_TRA_1PNPDK20110428_070306_000000583102_00035_47894_9766.N1	28-APR-2011 07:03:06	Straylight	58.000	25	35Lam Sco	1.6200	28000.	116	47894	No
80	GOM_TRA_1PNPDK20110428_070620_000000653102_00035_47894_9767.N1	28-APR-2011 07:06:20	Straylight	64.500	75	26Eps Sco	2.2910	4250.0	129	47894	No
81	GOM_TRA_1PNPDK20110428_071011_000000783102_00035_47894_9768.N1	28-APR-2011 07:10:11	Twilight	78.000	16	21Alp Sco	1.0200	3000.0	156	47894	No
82	GOM_TRA_1PNPDK20110428_071232_000000633102_00035_47894_9769.N1	28-APR-2011 07:12:32	Twilight	62.500	80	7Del Sco	2.3160	30000.	125	47894	No
83	GOM_TRA_1PNPDK20110428_071549_000000453102_00035_47894_9770.N1	28-APR-2011 07:15:49	Bright	44.500	122	9Alp2Lib	2.7470	9700.0	89	47894	No
84	GOM_TRA_1PNPDK20110428_071811_000000513102_00035_47894_0015.N1	28-APR-2011 07:18:11	Bright	50.500	104	27Bet Lib	2.6140	13100.	101	47894	No
85	GOM_TRA_1PNPDK20110428_072639_000000583102_00035_47894_0016.N1	28-APR-2011 07:26:39	Bright	58.000	111	8Eta Boo	2.6800	6000.0	116	47894	No
86	GOM_TRA_1PNPDK20110428_073031_000000493102_00035_47894_0017.N1	28-APR-2011 07:30:31	Bright	49.000	83		2.3780	11000.	98	47894	No
87	GOM_TRA_1PNPDK20110428_073329_000000413102_00035_47894_0018.N1	28-APR-2011 07:33:29	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	47894	No
88	GOM_TRA_1PNPDK20110428_073536_000000383102_00035_47894_0019.N1	28-APR-2011 07:35:36	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	47894	No
89	GOM_TRA_1PNPDK20110428_074305_000000463102_00035_47894_0020.N1	28-APR-2011 07:43:05	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	47894	No
90	GOM_TRA_1PNPDK20110428_075311_000000423102_00035_47894_0021.N1	28-APR-2011 07:53:11	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	47894	No
91	GOM_TRA_1PNPDK20110428_075821_000000573102_00035_47894_0022.N1	28-APR-2011 07:58:21	Bright	57.000	19	50Alp Cyg	1.2460	10500.	114	47894	No
92	GOM_TRA_1PNPDK20110428_080415_000000423102_00035_47894_0023.N1	28-APR-2011 08:04:15	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	47894	No
93	GOM_TRA_1PNPDK20110428_080835_000000463102_00035_47894_0024.N1	28-APR-2011 08:08:35	Twilight	45.500	90	54Alp Peg	2.4870	11000.	91	47894	No
94	GOM_TRA_1PNPDK20110428_081236_000000633102_00035_47894_0025.N1	28-APR-2011 08:12:36	Dark	62.500	61	8Eps Peg	2.1000	3900.0	125	47894	No
95	GOM_TRA_1PNPDK20110428_081503_000000533102_00035_47894_0026.N1	28-APR-2011 08:15:03	Dark	53.000	162	34Alp Aqr	2.9440	5350.0	106	47894	No
96	GOM_TRA_1PNPDK20110428_081833_000000593102_00035_47894_0027.N1	28-APR-2011 08:18:33	Dark	59.000	154	22Bet Aqr	2.8990	5700.0	118	47894	No
97	GOM_TRA_1PNPDK20110428_083957_000000463102_00036_47895_0028.N1	28-APR-2011 08:39:57	Straylight	45.500	141	Bet Ara	2.8400	4600.0	91	47895	No
98	GOM_TRA_1PNPDK20110428_084139_000000573102_00036_47895_0029.N1	28-APR-2011 08:41:39	Straylight	56.500	40	The Sco	1.8590	7100.0	113	47895	No
99	GOM_TRA_1PNPDK20110428_084321_000000623102_00036_47895_0030.N1	28-APR-2011 08:43:21	Straylight	62.000	25	35Lam Sco	1.6200	28000.	124	47895	No
100	GOM_TRA_1PNPDK20110428_084635_000000613102_00036_47895_0031.N1	28-APR-2011 08:46:35	Straylight	61.000	75	26Eps Sco	2.2910	4250.0	122	47895	No
101	GOM_TRA_1PNPDK20110428_085026_000000843102_00036_47895_0032.N1	28-APR-2011 08:50:26	Twilight	84.000	16	21Alp Sco	1.0200	3000.0	168	47895	No
102	GOM_TRA_1PNPDK20110428_085247_000000633102_00036_47895_0033.N1	28-APR-2011 08:52:47	Twilight	63.000	80	7Del Sco	2.3160	30000.	126	47895	No
103	GOM_TRA_1PNPDK20110428_085603_000000453102_00036_47895_0034.N1	28-APR-2011 08:56:03	Bright	44.500	122	9Alp2Lib	2.7470	9700.0	89	47895	No
104	GOM_TRA_1PNPDK20110428_085825_000000493102_00036_47895_0035.N1	28-APR-2011 08:58:25	Bright	49.000	104	27Bet Lib	2.6140	13100.	98	47895	No
105	GOM_TRA_1PNPDK20110428_090653_000000583102_00036_47895_9829.N1	28-APR-2011 09:06:53	Bright	58.000	111	8Eta Boo	2.6800	6000.0	116	47895	No
106	GOM_TRA_1PNPDK20110428_091044_000000483102_00036_47895_9830.N1	28-APR-2011 09:10:44	Bright	47.500	83		2.3780	11000.	95	47895	No
107	GOM_TRA_1PNPDK20110428_091342_000000423102_00036_47895_9831.N1	28-APR-2011 09:13:42	Bright	42.000	180	27Gam Boo	3.0400	8000.0	84	47895	No
108	GOM_TRA_1PNPDK20110428_091549_000000413102_00036_47895_9832.N1	28-APR-2011 09:15:49	Bright	41.000	39	85Eta UMa	1.8540	24000.	82	47895	No
109	GOM_TRA_1PNPDK20110428_092318_000000453102_00036_47895_9833.N1	28-APR-2011 09:23:18	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	47895	No
110	GOM_TRA_1PNPDK20110428_093324_000000433102_00036_47895_9834.N1	28-APR-2011 09:33:24	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	47895	No
111	GOM_TRA_1PNPDK20110428_093834_000000573102_00036_47895_9835.N1	28-APR-2011 09:38:34	Bright	56.500	19	50Alp Cyg	1.2460	10500.	113	47895	No
112	GOM_TRA_1PNPDK20110428_094429_000000443102_00036_47895_9836.N1	28-APR-2011 09:44:29	Bright	44.000	164	44Eta Peg	2.9480	5400.0	88	47895	No
113	GOM_TRA_1PNPDK20110428_094849_000000433102_00036_47895_9837.N1	28-APR-2011 09:48:49	Twilight	43.000	90	54Alp Peg	2.4870	11000.	86	47895	No
114	GOM_TRA_1PNPDK20110428_095251_000000653102_00036_47895_9838.N1	28-APR-2011 09:52:51	Dark	65.000	61	8Eps Peg	2.1000	3900.0	130	47895	No
115	GOM_TRA_1PNPDK20110428_095518_000000543102_00036_47895_9839.N1	28-APR-2011 09:55:18	Dark	54.000	162	34Alp Aqr	2.9440	5350.0	108	47895	No
116	GOM_TRA_1PNPDK20110428_095848_000000593102_00036_47895_9840.N1	28-APR-2011 09:58:48	Dark	59.000	154	22Bet Aqr	2.8990	5700.0	118	47895	No
117	GOM_TRA_1PNPDK20110428_102012_000000503102_00037_47896_9841.N1	28-APR-2011 10:20:12	Straylight	49.500	141	Bet Ara	2.8400	4600.0	99	47896	No
118	GOM_TRA_1PNPDK20110428_102154_000000573102_00037_47896_9842.N1	28-APR-2011 10:21:54	Straylight	57.000	40	The Sco	1.8590	7100.0	114	47896	No
119	GOM_TRA_1PNPDK20110428_102336_000000583102_00037_47896_9843.N1	28-APR-2011 10:23:36	Straylight	57.500	25	35Lam Sco	1.6200	28000.	115	47896	No
120	GOM_TRA_1PNPDK20110428_102650_000000623102_00037_47896_9844.N1	28-APR-2011 10:26:50	Straylight	61.500	75	26Eps Sco	2.2910	4250.0	123	47896	No
121	GOM_TRA_1PNPDK20110428_103040_000000763102_00037_47896_9845.N1	28-APR-2011 10:30:40	Twilight	75.500	16	21Alp Sco	1.0200	3000.0	151	47896	No
122	GOM_TRA_1PNPDK20110428_103301_000000613102_00037_47896_9846.N1	28-APR-2011 10:33:01	Twilight	61.000	80	7Del Sco	2.3160	30000.	122	47896	No
123	GOM_TRA_1PNPDK20110428_103617_000000443102_00037_47896_9847.N1	28-APR-2011 10:36:17	Bright	44.000	122	9Alp2Lib	2.7470	9700.0	88	47896	No
124	GOM_TRA_1PNPDK20110428_103839_000000513102_00037_47896_9848.N1	28-APR-2011 10:38:39	Bright	51.000	104	27Bet Lib	2.6140	13100.	102	47896	No
125	GOM_TRA_1PNPDK20110428_104707_000000433102_00037_47896_9849.N1	28-APR-2011 10:47:07	Bright	43.000	111	8Eta Boo	2.6800	6000.0	86	47896	No
126	GOM_TRA_1PNPDK20110428_105058_000000463102_00037_47896_9870.N1	28-APR-2011 10:50:58	Bright	46.000	83		2.3780	11000.	92	47896	No
127	GOM_TRA_1PNPDK20110428_105356_000000433102_00037_47896_9871.N1	28-APR-2011 10:53:56	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	47896	No
128	GOM_TRA_1PNPDK20110428_105603_000000403102_00037_47896_9872.N1	28-APR-2011 10:56:03	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	47896	No
129	GOM_TRA_1PNPDK20110428_110331_000000463102_00037_47896_9873.N1	28-APR-2011 11:03:31	Bright	46.000	119	14Eta Dra	2.7270	4700.0	92	47896	No
130	GOM_TRA_1PNPDK20110428_111338_000000423102_00037_47896_9874.N1	28-APR-2011 11:13:38	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	47896	No

131	GOM_TRA_1PNPDK20110428_111848_000000573102_00037_47896_9875.N1	28-APR-2011 11:18:48	Bright	56.500	19	50Alp Cyg	1.2460	10500.	113	47896	No
132	GOM_TRA_1PNPDK20110428_112443_000000433102_00037_47896_9876.N1	28-APR-2011 11:24:43	Bright	43.000	164	44Eta Peg	2.9480	5400.0	86	47896	No
133	GOM_TRA_1PNPDK20110428_112904_000000443102_00037_47896_9877.N1	28-APR-2011 11:29:04	Twilight	44.000	90	54Alp Peg	2.4870	11000.	88	47896	No
134	GOM_TRA_1PNPDK20110428_113305_000000613102_00037_47896_9878.N1	28-APR-2011 11:33:05	Dark	61.000	61	8Eps Peg	2.1000	3900.0	122	47896	No
135	GOM_TRA_1PNPDK20110428_113532_000000583102_00037_47896_9879.N1	28-APR-2011 11:35:32	Dark	57.500	162	34Alp Aqr	2.9440	5350.0	115	47896	No
136	GOM_TRA_1PNPDK20110428_113903_000000603102_00037_47896_9880.N1	28-APR-2011 11:39:03	Dark	59.500	154	22Bet Aqr	2.8990	5700.0	119	47896	No
137	GOM_TRA_1PNPDK20110428_120026_000000553102_00038_47897_9881.N1	28-APR-2011 12:00:26	Straylight	54.500	141	Bet Ara	2.8400	4600.0	109	47897	No
138	GOM_TRA_1PNPDK20110428_120209_000000583102_00038_47897_9882.N1	28-APR-2011 12:02:09	Straylight	58.000	40	The Sco	1.8590	7100.0	116	47897	No
139	GOM_TRA_1PNPDK20110428_120351_000000603102_00038_47897_9883.N1	28-APR-2011 12:03:51	Straylight	59.500	25	35Lam Sco	1.6200	28000.	119	47897	No
140	GOM_TRA_1PNPDK20110428_120705_000000633102_00038_47897_9884.N1	28-APR-2011 12:07:05	Straylight	63.000	75	26Eps Sco	2.2910	4250.0	126	47897	No
141	GOM_TRA_1PNPDK20110428_121055_000000813102_00038_47897_9885.N1	28-APR-2011 12:10:55	Tw_i_and_stray	81.000	16	21Alp Sco	1.0200	3000.0	162	47897	No
142	GOM_TRA_1PNPDK20110428_121315_000000663102_00038_47897_9886.N1	28-APR-2011 12:13:15	Tw_i_and_stray	65.500	80	7Del Sco	2.3160	30000.	131	47897	No
143	GOM_TRA_1PNPDK20110428_121631_000000453102_00038_47897_9907.N1	28-APR-2011 12:16:31	Bright	45.000	122	9Alp2Lib	2.7470	9700.0	90	47897	Yes
144	GOM_TRA_1PNPDK20110428_121853_000000503102_00038_47897_9908.N1	28-APR-2011 12:18:53	Bright	50.000	104	27Bet Lib	2.6140	13100.	100	47897	No
145	GOM_TRA_1PNPDK20110428_122720_000000393102_00038_47897_9909.N1	28-APR-2011 12:27:20	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	47897	No
146	GOM_TRA_1PNPDK20110428_123111_000000493102_00038_47897_9910.N1	28-APR-2011 12:31:11	Bright	48.500	83		2.3780	11000.	97	47897	No
147	GOM_TRA_1PNPDK20110428_123409_000000413102_00038_47897_9911.N1	28-APR-2011 12:34:09	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	47897	No
148	GOM_TRA_1PNPDK20110428_123617_000000393102_00038_47897_9912.N1	28-APR-2011 12:36:17	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	47897	No
149	GOM_TRA_1PNPDK20110428_124345_000000463102_00038_47897_9913.N1	28-APR-2011 12:43:45	Bright	46.000	119	14Eta Dra	2.7270	4700.0	92	47897	No
150	GOM_TRA_1PNPDK20110428_125351_000000423102_00038_47897_9914.N1	28-APR-2011 12:53:51	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	47897	No
151	GOM_TRA_1PNPDK20110428_125901_000000573102_00038_47897_9915.N1	28-APR-2011 12:59:01	Bright	56.500	19	50Alp Cyg	1.2460	10500.	113	47897	No
152	GOM_TRA_1PNPDK20110428_130457_000000443102_00038_47897_9916.N1	28-APR-2011 13:04:57	Bright	44.000	164	44Eta Peg	2.9480	5400.0	88	47897	No
153	GOM_TRA_1PNPDK20110428_130918_000000463102_00038_47897_9917.N1	28-APR-2011 13:09:18	Twilight	46.000	90	54Alp Peg	2.4870	11000.	92	47897	No
154	GOM_TRA_1PNPDK20110428_131320_000000653102_00038_47897_9918.N1	28-APR-2011 13:13:20	Dark	65.000	61	8Eps Peg	2.1000	3900.0	130	47897	No
155	GOM_TRA_1PNPDK20110428_131547_000000543102_00038_47897_9919.N1	28-APR-2011 13:15:47	Dark	53.500	162	34Alp Aqr	2.9440	5350.0	107	47897	No
156	GOM_TRA_1PNPDK20110428_131918_000000583102_00038_47897_9920.N1	28-APR-2011 13:19:18	Dark	57.500	154	22Bet Aqr	2.8990	5700.0	115	47897	No
157	GOM_TRA_1PNPDK20110428_134041_000000473102_00039_47898_9921.N1	28-APR-2011 13:40:41	Straylight	46.500	141	Bet Ara	2.8400	4600.0	93	47898	No
158	GOM_TRA_1PNPDK20110428_134224_000000573102_00039_47898_9922.N1	28-APR-2011 13:42:24	Straylight	57.000	40	The Sco	1.8590	7100.0	114	47898	No
159	GOM_TRA_1PNPDK20110428_134406_000000643102_00039_47898_9923.N1	28-APR-2011 13:44:06	Straylight	63.500	25	35Lam Sco	1.6200	28000.	127	47898	No
160	GOM_TRA_1PNPDK20110428_134719_000000573102_00039_47898_9924.N1	28-APR-2011 13:47:19	Straylight	57.000	75	26Eps Sco	2.2910	4250.0	114	47898	No
161	GOM_TRA_1PNPDK20110428_135109_000000843102_00039_47898_9925.N1	28-APR-2011 13:51:09	Tw_i_and_stray	84.000	16	21Alp Sco	1.0200	3000.0	168	47898	No
162	GOM_TRA_1PNPDK20110428_135330_000000593102_00039_47898_9926.N1	28-APR-2011 13:53:30	Tw_i_and_stray	59.000	80	7Del Sco	2.3160	30000.	118	47898	No
163	GOM_TRA_1PNPDK20110428_135646_000000483102_00039_47898_9972.N1	28-APR-2011 13:56:46	Bright	47.500	122	9Alp2Lib	2.7470	9700.0	95	47898	No
164	GOM_TRA_1PNPDK20110428_135907_000000503102_00039_47898_9973.N1	28-APR-2011 13:59:07	Bright	50.000	104	27Bet Lib	2.6140	13100.	100	47898	No
165	GOM_TRA_1PNPDK20110428_140734_000000393102_00039_47898_9974.N1	28-APR-2011 14:07:34	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	47898	No
166	GOM_TRA_1PNPDK20110428_141125_000000663102_00039_47898_9975.N1	28-APR-2011 14:11:25	Bright	65.500	83		2.3780	11000.	131	47898	No
167	GOM_TRA_1PNPDK20110428_141423_000000413102_00039_47898_9976.N1	28-APR-2011 14:14:23	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	47898	No
168	GOM_TRA_1PNPDK20110428_141631_000000403102_00039_47898_9977.N1	28-APR-2011 14:16:31	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	47898	No
169	GOM_TRA_1PNPDK20110428_142358_000000453102_00039_47898_9978.N1	28-APR-2011 14:23:58	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	47898	No
170	GOM_TRA_1PNPDK20110428_143405_000000413102_00039_47898_9979.N1	28-APR-2011 14:34:05	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	47898	No
171	GOM_TRA_1PNPDK20110428_143915_000000593102_00039_47898_9980.N1	28-APR-2011 14:39:15	Bright	58.500	19	50Alp Cyg	1.2460	10500.	117	47898	No
172	GOM_TRA_1PNPDK20110428_144512_000000423102_00039_47898_9981.N1	28-APR-2011 14:45:12	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	47898	No
173	GOM_TRA_1PNPDK20110428_144932_000000453102_00039_47898_9982.N1	28-APR-2011 14:49:32	Twilight	44.500	90	54Alp Peg	2.4870	11000.	89	47898	No
174	GOM_TRA_1PNPDK20110428_145335_000000593102_00039_47898_9983.N1	28-APR-2011 14:53:35	Dark	59.000	61	8Eps Peg	2.1000	3900.0	118	47898	No
175	GOM_TRA_1PNPDK20110428_145602_000000493102_00039_47898_9984.N1	28-APR-2011 14:56:02	Dark	49.000	162	34Alp Aqr	2.9440	5350.0	98	47898	No
176	GOM_TRA_1PNPDK20110428_145933_000000563102_00039_47898_9985.N1	28-APR-2011 14:59:33	Dark	56.000	154	22Bet Aqr	2.8990	5700.0	112	47898	No
177	GOM_TRA_1PNPDK20110428_152055_000000453102_00040_47899_9986.N1	28-APR-2011 15:20:55	Straylight	45.000	141	Bet Ara	2.8400	4600.0	90	47899	No
178	GOM_TRA_1PNPDK20110428_152239_000000543102_00040_47899_9987.N1	28-APR-2011 15:22:39	Straylight	53.500	40	The Sco	1.8590	7100.0	107	47899	No
179	GOM_TRA_1PNPDK20110428_152421_000000583102_00040_47899_9988.N1	28-APR-2011 15:24:21	Straylight	58.000	25	35Lam Sco	1.6200	28000.	116	47899	No
180	GOM_TRA_1PNPDK20110428_152734_000000633102_00040_47899_9989.N1	28-APR-2011 15:27:34	Straylight	62.500	75	26Eps Sco	2.2910	4250.0	125	47899	No
181	GOM_TRA_1PNPDK20110428_153124_000000713102_00040_47899_9990.N1	28-APR-2011 15:31:24	Tw_i_and_stray	71.000	16	21Alp Sco	1.0200	3000.0	142	47899	No
182	GOM_TRA_1PNPDK20110428_153344_000000633102_00040_47899_0026.N1	28-APR-2011 15:33:44	Tw_i_and_stray	62.500	80	7Del Sco	2.3160	30000.	125	47899	No
183	GOM_TRA_1PNPDK20110428_153700_000000473102_00040_47899_0027.N1	28-APR-2011 15:37:00	Bright	46.500	122	9Alp2Lib	2.7470	9700.0	93	47899	No
184	GOM_TRA_1PNPDK20110428_153921_000000513102_00040_47899_0028.N1	28-APR-2011 15:39:21	Bright	51.000	104	27Bet Lib	2.6140	13100.	102	47899	No
185	GOM_TRA_1PNPDK20110428_154748_000000393102_00040_47899_0029.N1	28-APR-2011 15:47:48	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	47899	No
186	GOM_TRA_1PNPDK20110428_155138_000000473102_00040_47899_0030.N1	28-APR-2011 15:51:38	Bright	47.000	83		2.3780	11000.	94	47899	No
187	GOM_TRA_1PNPDK20110428_155436_000000433102_00040_47899_0031.N1	28-APR-2011 15:54:36	Bright	42.500	180	27Gam Boo	3.0400	8000.0	85	47899	No
188	GOM_TRA_1PNPDK20110428_155645_000000403102_00040_47899_0032.N1	28-APR-2011 15:56:45	Bright	40.000	39	85Eta UMa	1.8540	24000.	80	47899	No
189	GOM_TRA_1PNPDK20110428_160412_000000443102_00040_47899_0033.N1	28-APR-2011 16:04:12	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	47899	No

190	GOM_TRA_1PNPDK20110428_161419_000000423102_00040_47899_0034.N1	28-APR-2011 16:14:19	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	47899	No
191	GOM_TRA_1PNPDK20110428_161929_000000583102_00040_47899_0035.N1	28-APR-2011 16:19:29	Bright	58.000	19	50Alp Cyg	1.2460	10500.	116	47899	No
192	GOM_TRA_1PNPDK20110428_162525_000000423102_00040_47899_0036.N1	28-APR-2011 16:25:25	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	47899	No
193	GOM_TRA_1PNPDK20110428_162947_000000443102_00040_47899_0037.N1	28-APR-2011 16:29:47	Twilight	43.500	90	54Alp Peg	2.4870	11000.	87	47899	No
194	GOM_TRA_1PNPDK20110428_163350_000000613102_00040_47899_0038.N1	28-APR-2011 16:33:50	Dark	61.000	61	8Eps Peg	2.1000	3900.0	122	47899	No
195	GOM_TRA_1PNPDK20110428_163617_000000513102_00040_47899_0039.N1	28-APR-2011 16:36:17	Dark	51.000	162	34Alp Aqr	2.9440	5350.0	102	47899	No
196	GOM_TRA_1PNPDK20110428_163948_000000623102_00040_47899_0040.N1	28-APR-2011 16:39:48	Dark	62.000	154	22Bet Aqr	2.8990	5700.0	124	47899	No
197	GOM_TRA_1PNPDK20110428_170110_000000423102_00041_47900_0041.N1	28-APR-2011 17:01:10	Straylight	41.500	141	Bet Ara	2.8400	4600.0	83	47900	No
198	GOM_TRA_1PNPDK20110428_170254_000000543102_00041_47900_0042.N1	28-APR-2011 17:02:54	Straylight	54.000	40	The Sco	1.8590	7100.0	108	47900	No
199	GOM_TRA_1PNPDK20110428_170436_000000633102_00041_47900_0043.N1	28-APR-2011 17:04:36	Straylight	62.500	25	35Lam Sco	1.6200	28000.	125	47900	No
200	GOM_TRA_1PNPDK20110428_170749_000000653102_00041_47900_0044.N1	28-APR-2011 17:07:49	Straylight	65.000	75	26Eps Sco	2.2910	4250.0	130	47900	No
201	GOM_TRA_1PNPDK20110428_171138_000000733102_00041_47900_0050.N1	28-APR-2011 17:11:38	Twilight	73.000	16	21Alp Sco	1.0200	3000.0	146	47900	No
202	GOM_TRA_1PNPDK20110428_171358_000000643102_00041_47900_0051.N1	28-APR-2011 17:13:58	Twilight	64.000	80	7Del Sco	2.3160	30000.	128	47900	No
203	GOM_TRA_1PNPDK20110428_171714_000000453102_00041_47900_0052.N1	28-APR-2011 17:17:14	Bright	45.000	122	9Alp2Lib	2.7470	9700.0	90	47900	No
204	GOM_TRA_1PNPDK20110428_171935_000000513102_00041_47900_0053.N1	28-APR-2011 17:19:35	Bright	51.000	104	27Bet Lib	2.6140	13100.	102	47900	No
205	GOM_TRA_1PNPDK20110428_172802_000000393102_00041_47900_0054.N1	28-APR-2011 17:28:02	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	47900	No
206	GOM_TRA_1PNPDK20110428_173151_000000463102_00041_47900_0055.N1	28-APR-2011 17:31:51	Bright	45.500	83		2.3780	11000.	91	47900	No
207	GOM_TRA_1PNPDK20110428_173450_000000433102_00041_47900_0056.N1	28-APR-2011 17:34:50	Bright	42.500	180	27Gam Boo	3.0400	8000.0	85	47900	No
208	GOM_TRA_1PNPDK20110428_173658_000000403102_00041_47900_0057.N1	28-APR-2011 17:36:58	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	47900	No
209	GOM_TRA_1PNPDK20110428_174425_000000473102_00041_47900_0058.N1	28-APR-2011 17:44:25	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	47900	No
210	GOM_TRA_1PNPDK20110428_175433_000000403102_00041_47900_0059.N1	28-APR-2011 17:54:33	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	47900	No
211	GOM_TRA_1PNPDK20110428_175942_000000593102_00041_47900_0060.N1	28-APR-2011 17:59:42	Bright	58.500	19	50Alp Cyg	1.2460	10500.	117	47900	No
212	GOM_TRA_1PNPDK20110428_180540_000000463102_00041_47900_0061.N1	28-APR-2011 18:05:40	Bright	46.000	164	44Eta Peg	2.9480	5400.0	92	47900	No
213	GOM_TRA_1PNPDK20110428_181001_000000443102_00041_47900_0062.N1	28-APR-2011 18:10:01	Twilight	43.500	90	54Alp Peg	2.4870	11000.	87	47900	No
214	GOM_TRA_1PNPDK20110428_181404_000000653102_00041_47900_0063.N1	28-APR-2011 18:14:04	Dark	65.000	61	8Eps Peg	2.1000	3900.0	130	47900	No
215	GOM_TRA_1PNPDK20110428_181631_000000563102_00041_47900_0064.N1	28-APR-2011 18:16:31	Dark	55.500	162	34Alp Aqr	2.9440	5350.0	111	47900	No
216	GOM_TRA_1PNPDK20110428_182003_000000593102_00041_47900_0065.N1	28-APR-2011 18:20:03	Dark	59.000	154	22Bet Aqr	2.8990	5700.0	118	47900	No
217	GOM_TRA_1PNPDK20110428_184125_000000513102_00042_47901_0066.N1	28-APR-2011 18:41:25	Straylight	51.000	141	Bet Ara	2.8400	4600.0	102	47901	No
218	GOM_TRA_1PNPDK20110428_184309_000000573102_00042_47901_0067.N1	28-APR-2011 18:43:09	Straylight	57.000	40	The Sco	1.8590	7100.0	114	47901	No
219	GOM_TRA_1PNPDK20110428_184451_000000573102_00042_47901_0068.N1	28-APR-2011 18:44:51	Straylight	57.000	25	35Lam Sco	1.6200	28000.	114	47901	No
220	GOM_TRA_1PNPDK20110428_184804_000000593102_00042_47901_0104.N1	28-APR-2011 18:48:04	Straylight	59.000	75	26Eps Sco	2.2910	4250.0	118	47901	No
221	GOM_TRA_1PNPDK20110428_185153_000000843102_00042_47901_0105.N1	28-APR-2011 18:51:53	Twilight	84.000	16	21Alp Sco	1.0200	3000.0	168	47901	No
222	GOM_TRA_1PNPDK20110428_185412_000000653102_00042_47901_0106.N1	28-APR-2011 18:54:12	Twilight	65.000	80	7Del Sco	2.3160	30000.	130	47901	No
223	GOM_TRA_1PNPDK20110428_185728_000000463102_00042_47901_0107.N1	28-APR-2011 18:57:28	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	47901	No
224	GOM_TRA_1PNPDK20110428_185949_000000493102_00042_47901_0108.N1	28-APR-2011 18:59:49	Bright	49.000	104	27Bet Lib	2.6140	13100.	98	47901	No
225	GOM_TRA_1PNPDK20110428_190815_000000523102_00042_47901_0109.N1	28-APR-2011 19:08:15	Bright	52.000	111	8Eta Boo	2.6800	6000.0	104	47901	No
226	GOM_TRA_1PNPDK20110428_191205_000000673102_00042_47901_0110.N1	28-APR-2011 19:12:05	Bright	67.000	83		2.3780	11000.	134	47901	No
227	GOM_TRA_1PNPDK20110428_191503_000000633102_00042_47901_0111.N1	28-APR-2011 19:15:03	Bright	63.000	180	27Gam Boo	3.0400	8000.0	126	47901	No
228	GOM_TRA_1PNPDK20110428_191712_000000373102_00042_47901_0112.N1	28-APR-2011 19:17:12	Bright	37.000	39	85Eta UMa	1.8540	24000.	74	47901	No
229	GOM_TRA_1PNPDK20110428_192438_000000433102_00042_47901_0113.N1	28-APR-2011 19:24:38	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	47901	No
230	GOM_TRA_1PNPDK20110428_193446_000000413102_00042_47901_0114.N1	28-APR-2011 19:34:46	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	47901	No
231	GOM_TRA_1PNPDK20110428_193956_000000553102_00042_47901_0115.N1	28-APR-2011 19:39:56	Bright	55.000	19	50Alp Cyg	1.2460	10500.	110	47901	No
232	GOM_TRA_1PNPDK20110428_194554_000000603102_00042_47901_0116.N1	28-APR-2011 19:45:54	Bright	60.000	164	44Eta Peg	2.9480	5400.0	120	47901	No
233	GOM_TRA_1PNPDK20110428_195015_000000433102_00042_47901_0117.N1	28-APR-2011 19:50:15	Twilight	43.000	90	54Alp Peg	2.4870	11000.	86	47901	No
234	GOM_TRA_1PNPDK20110428_195419_000000633102_00042_47901_0118.N1	28-APR-2011 19:54:19	Dark	63.000	61	8Eps Peg	2.1000	3900.0	126	47901	No
235	GOM_TRA_1PNPDK20110428_195646_000000513102_00042_47901_0119.N1	28-APR-2011 19:56:46	Dark	51.000	162	34Alp Aqr	2.9440	5350.0	102	47901	No
236	GOM_TRA_1PNPDK20110428_200018_000000583102_00042_47901_0120.N1	28-APR-2011 20:00:18	Dark	58.000	154	22Bet Aqr	2.8990	5700.0	116	47901	No
237	GOM_TRA_1PNPDK20110428_202140_000000513102_00043_47902_0121.N1	28-APR-2011 20:21:40	Straylight	51.000	141	Bet Ara	2.8400	4600.0	102	47902	No
238	GOM_TRA_1PNPDK20110428_202324_000000623102_00043_47902_0122.N1	28-APR-2011 20:23:24	Straylight	61.500	40	The Sco	1.8590	7100.0	123	47902	No
239	GOM_TRA_1PNPDK20110428_202506_000000583102_00043_47902_0123.N1	28-APR-2011 20:25:06	Straylight	57.500	25	35Lam Sco	1.6200	28000.	115	47902	No
240	GOM_TRA_1PNPDE20110428_202819_000000623102_00043_47902_8947.N1	28-APR-2011 20:28:19	Straylight	62.000	75	26Eps Sco	2.2910	4250.0	124	47902	No
241	GOM_TRA_1PNPDE20110428_203208_000000753102_00043_47902_8948.N1	28-APR-2011 20:32:08	Twilight	74.500	16	21Alp Sco	1.0200	3000.0	149	47902	No
242	GOM_TRA_1PNPDE20110428_203427_000000633102_00043_47902_8949.N1	28-APR-2011 20:34:27	Twilight	63.000	80	7Del Sco	2.3160	30000.	126	47902	No
243	GOM_TRA_1PNPDE20110428_203742_000000463102_00043_47902_8950.N1	28-APR-2011 20:37:42	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	47902	No
244	GOM_TRA_1PNPDE20110428_204003_000000513102_00043_47902_8951.N1	28-APR-2011 20:40:03	Bright	50.500	104	27Bet Lib	2.6140	13100.	101	47902	No
245	GOM_TRA_1PNPDE20110428_204830_000000483102_00043_47902_8952.N1	28-APR-2011 20:48:30	Bright	47.500	111	8Eta Boo	2.6800	6000.0	95	47902	No
246	GOM_TRA_1PNPDE20110428_205218_000000463102_00043_47902_8953.N1	28-APR-2011 20:52:18	Bright	45.500	83		2.3780	11000.	91	47902	No
247	GOM_TRA_1PNPDE20110428_205517_000000423102_00043_47902_8954.N1	28-APR-2011 20:55:17	Bright	42.000	180	27Gam Boo	3.0400	8000.0	84	47902	No
248	GOM_TRA_1PNPDE20110428_205726_000000383102_00043_47902_8955.N1	28-APR-2011 20:57:26	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	47902	No

249	GOM_TRA_1PNPDE20110428_210452_000000443102_00043_47902_8956.N1	28-APR-2011 21:04:52	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	47902	No
250	GOM_TRA_1PNPDE20110428_211500_000000403102_00043_47902_8957.N1	28-APR-2011 21:15:00	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	47902	No
251	GOM_TRA_1PNPDE20110428_212010_000000583102_00043_47902_8958.N1	28-APR-2011 21:20:10	Bright	58.000	19	50Alp Cyg	1.2460	10500.	116	47902	No
252	GOM_TRA_1PNPDE20110428_212608_000000443102_00043_47902_8959.N1	28-APR-2011 21:26:08	Bright	44.000	164	44Eta Peg	2.9480	5400.0	88	47902	No
253	GOM_TRA_1PNPDE20110428_213030_000000403102_00043_47902_8960.N1	28-APR-2011 21:30:30	Twilight	40.000	90	54Alp Peg	2.4870	11000.	80	47902	No
254	GOM_TRA_1PNPDE20110428_213434_000000623102_00043_47902_8961.N1	28-APR-2011 21:34:34	Dark	61.500	61	8Eps Peg	2.1000	3900.0	123	47902	No
255	GOM_TRA_1PNPDE20110428_213701_000000513102_00043_47902_8962.N1	28-APR-2011 21:37:01	Dark	50.500	162	34Alp Aqr	2.9440	5350.0	101	47902	No
256	GOM_TRA_1PNPDE20110428_214033_000000633102_00043_47902_8984.N1	28-APR-2011 21:40:33	Dark	63.000	154	22Bet Aqr	2.8990	5700.0	126	47902	No
257	GOM_TRA_1PNPDE20110428_220154_000000423102_00044_47903_8985.N1	28-APR-2011 22:01:54	Straylight	41.500	141	Bet Ara	2.8400	4600.0	83	47903	No
258	GOM_TRA_1PNPDE20110428_220338_000000653102_00044_47903_8986.N1	28-APR-2011 22:03:38	Straylight	65.000	40	The Sco	1.8590	7100.0	130	47903	No
259	GOM_TRA_1PNPDE20110428_220521_000000593102_00044_47903_8987.N1	28-APR-2011 22:05:21	Straylight	58.500	25	35Lam Sco	1.6200	28000.	117	47903	No
260	GOM_TRA_1PNPDE20110428_220833_000000653102_00044_47903_8988.N1	28-APR-2011 22:08:33	Straylight	64.500	75	26Eps Sco	2.2910	4250.0	129	47903	No
261	GOM_TRA_1PNPDE20110428_221222_000000723102_00044_47903_8989.N1	28-APR-2011 22:12:22	Twilight	71.500	16	21Alp Sco	1.0200	3000.0	143	47903	No
262	GOM_TRA_1PNPDE20110428_221441_000000603102_00044_47903_8990.N1	28-APR-2011 22:14:41	Twilight	59.500	80	7Del Sco	2.3160	30000.	119	47903	No
263	GOM_TRA_1PNPDE20110428_221756_000000463102_00044_47903_8991.N1	28-APR-2011 22:17:56	Bright	45.500	122	9Alp2Lib	2.7470	9700.0	91	47903	No
264	GOM_TRA_1PNPDE20110428_222016_000000513102_00044_47903_8992.N1	28-APR-2011 22:20:16	Bright	50.500	104	27Bet Lib	2.6140	13100.	101	47903	No
265	GOM_TRA_1PNPDE20110428_222843_000000583102_00044_47903_8993.N1	28-APR-2011 22:28:43	Bright	58.000	111	8Eta Boo	2.6800	6000.0	116	47903	No
266	GOM_TRA_1PNPDE20110428_223232_000000443102_00044_47903_8994.N1	28-APR-2011 22:32:32	Bright	43.500	83		2.3780	11000.	87	47903	No
267	GOM_TRA_1PNPDE20110428_223530_000000403102_00044_47903_8995.N1	28-APR-2011 22:35:30	Bright	40.000	180	27Gam Boo	3.0400	8000.0	80	47903	No
268	GOM_TRA_1PNPDE20110428_223739_000000363102_00044_47903_8996.N1	28-APR-2011 22:37:39	Bright	36.000	39	85Eta UMa	1.8540	24000.	72	47903	No
269	GOM_TRA_1PNPDE20110428_224505_000000443102_00044_47903_8997.N1	28-APR-2011 22:45:05	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	47903	No
270	GOM_TRA_1PNPDE20110428_225514_000000613102_00044_47903_8998.N1	28-APR-2011 22:55:14	Bright	61.000	89	5Alp Cep	2.4510	8000.0	122	47903	No
271	GOM_TRA_1PNPDE20110428_230023_000000603102_00044_47903_8999.N1	28-APR-2011 23:00:23	Bright	59.500	19	50Alp Cyg	1.2460	10500.	119	47903	No
272	GOM_TRA_1PNPDE20110428_230622_000000453102_00044_47903_9000.N1	28-APR-2011 23:06:22	Bright	44.500	164	44Eta Peg	2.9480	5400.0	89	47903	No
273	GOM_TRA_1PNPDE20110428_231044_000000463102_00044_47903_9001.N1	28-APR-2011 23:10:44	Twilight	45.500	90	54Alp Peg	2.4870	11000.	91	47903	No
274	GOM_TRA_1PNPDE20110428_231448_000000643102_00044_47903_9002.N1	28-APR-2011 23:14:48	Dark	63.500	61	8Eps Peg	2.1000	3900.0	127	47903	No
275	GOM_TRA_1PNPDE20110428_231715_000000503102_00044_47903_9003.N1	28-APR-2011 23:17:15	Dark	49.500	162	34Alp Aqr	2.9440	5350.0	99	47903	No
276	GOM_TRA_1PNPDE20110428_232048_000000633102_00044_47903_9000.N1	28-APR-2011 23:20:48	Dark	63.000	154	22Bet Aqr	2.8990	5700.0	126	47903	Yes
277	GOM_TRA_1PNPDE20110428_234209_000000443102_00045_47904_9001.N1	28-APR-2011 23:42:09	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	47904	No
278	GOM_TRA_1PNPDE20110428_234353_000000623102_00045_47904_9002.N1	28-APR-2011 23:43:53	Straylight	62.000	40	The Sco	1.8590	7100.0	124	47904	No
279	GOM_TRA_1PNPDE20110428_234536_000000583102_00045_47904_9003.N1	28-APR-2011 23:45:36	Straylight	57.500	25	35Lam Sco	1.6200	28000.	115	47904	No
280	GOM_TRA_1PNPDE20110428_234848_000000633102_00045_47904_9004.N1	28-APR-2011 23:48:48	Straylight	62.500	75	26Eps Sco	2.2910	4250.0	125	47904	No
281	GOM_TRA_1PNPDE20110428_235236_000000803102_00045_47904_9005.N1	28-APR-2011 23:52:36	Twilight	80.000	16	21Alp Sco	1.0200	3000.0	160	47904	No
282	GOM_TRA_1PNPDE20110428_235455_000000613102_00045_47904_9006.N1	28-APR-2011 23:54:55	Twilight	61.000	80	7Del Sco	2.3160	30000.	122	47904	No
283	GOM_TRA_1PNPDE20110428_235810_000000453102_00045_47904_9007.N1	28-APR-2011 23:58:10	Bright	45.000	122	9Alp2Lib	2.7470	9700.0	90	47904	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).

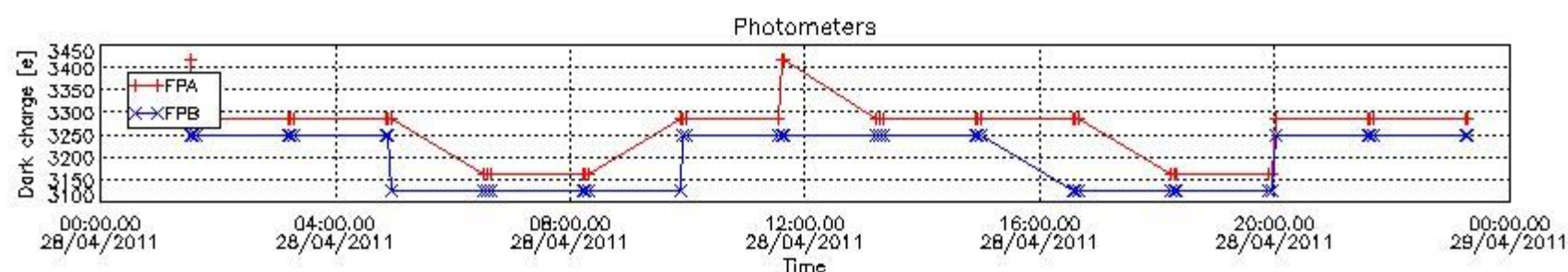
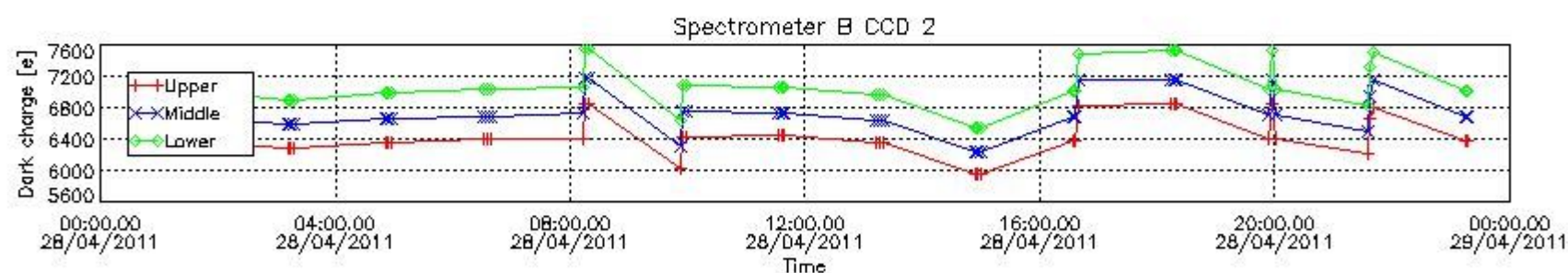
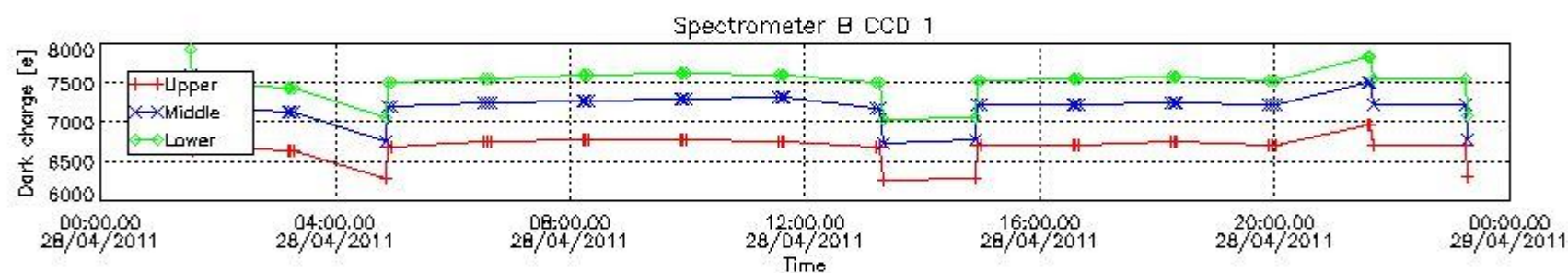
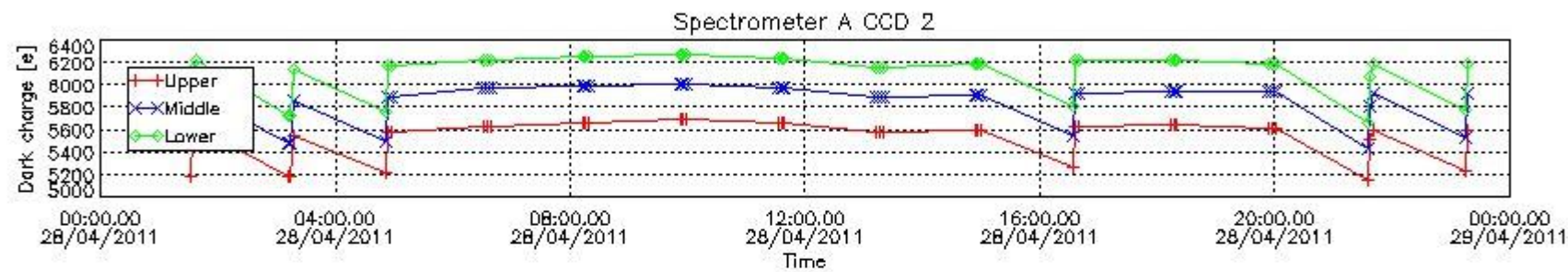
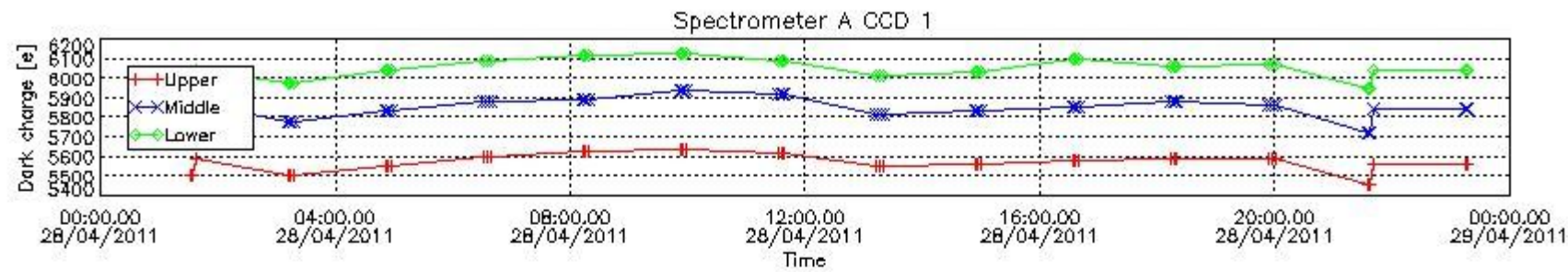
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110428_035743_000000513102_00033_47892_8834.N1	DC map used
GOM_TRA_1PNPDE20110428_040612_000000403102_00033_47892_8835.N1	DC map used
GOM_TRA_1PNPDE20110428_041004_000000503102_00033_47892_8836.N1	DC map used
GOM_TRA_1PNPDE20110428_041302_000000413102_00033_47892_8837.N1	DC map used
GOM_TRA_1PNPDE20110428_041508_000000393102_00033_47892_8838.N1	DC map used
GOM_TRA_1PNPDE20110428_042238_000000463102_00033_47892_8839.N1	DC map used
GOM_TRA_1PNPDE20110428_202819_000000623102_00043_47902_8947.N1	DC map used
GOM_TRA_1PNPDE20110428_203208_000000753102_00043_47902_8948.N1	DC map used
GOM_TRA_1PNPDE20110428_203427_000000633102_00043_47902_8949.N1	DC map used
GOM_TRA_1PNPDE20110428_203742_000000463102_00043_47902_8950.N1	DC map used
GOM_TRA_1PNPDE20110428_204003_000000513102_00043_47902_8951.N1	DC map used
GOM_TRA_1PNPDE20110428_204830_000000483102_00043_47902_8952.N1	DC map used
GOM_TRA_1PNPDE20110428_205218_000000463102_00043_47902_8953.N1	DC map used
GOM_TRA_1PNPDE20110428_205517_000000423102_00043_47902_8954.N1	DC map used

GOM_TRA_1PNPDE20110428_205726_000000383102_00043_47902_8955.N1	DC map used
GOM_TRA_1PNPDE20110428_210452_000000443102_00043_47902_8956.N1	DC map used
GOM_TRA_1PNPDE20110428_211500_000000403102_00043_47902_8957.N1	DC map used
GOM_TRA_1PNPDE20110428_212010_000000583102_00043_47902_8958.N1	DC map used
GOM_TRA_1PNPDE20110428_212608_000000443102_00043_47902_8959.N1	DC map used
GOM_TRA_1PNPDE20110428_213030_000000403102_00043_47902_8960.N1	DC map used
GOM_TRA_1PNPDE20110428_213434_000000623102_00043_47902_8961.N1	DC map used
GOM_TRA_1PNPDE20110428_213701_000000513102_00043_47902_8962.N1	DC map used

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



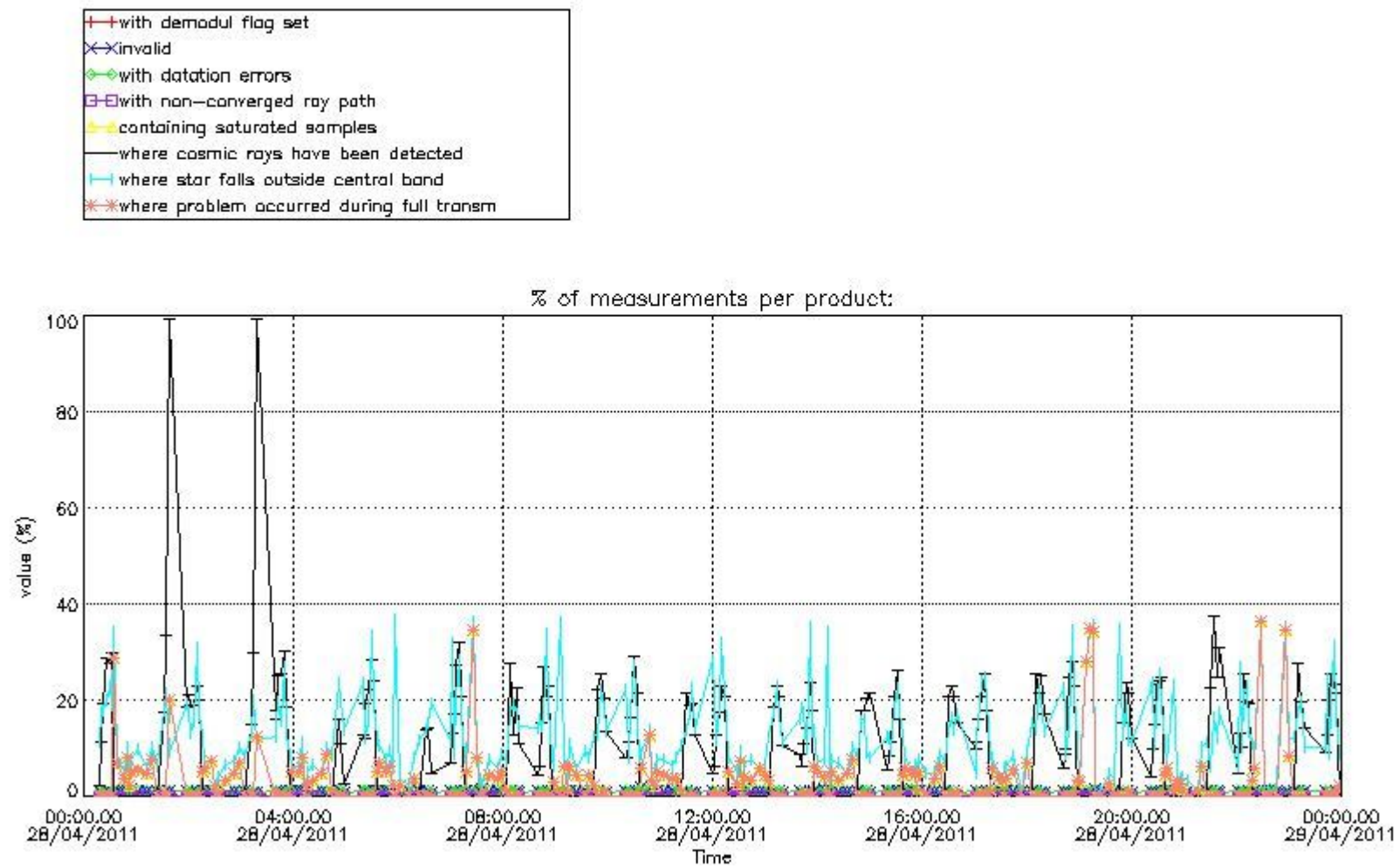
5. Demodulation flag and quality information monitoring

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.

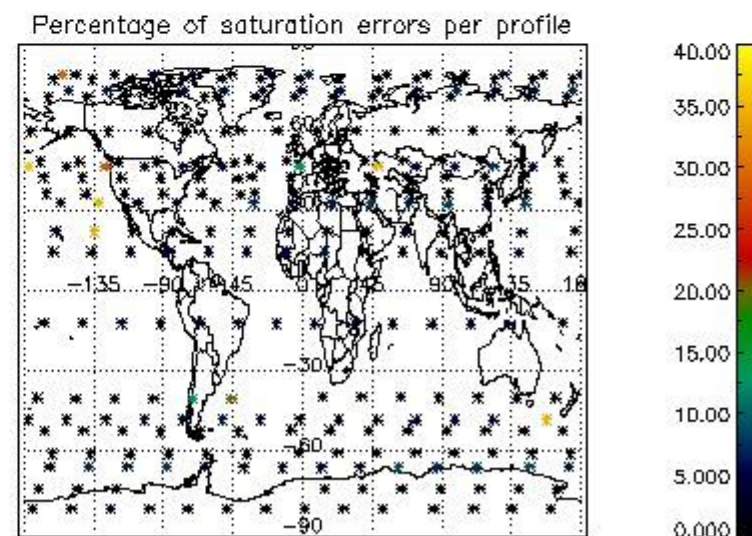
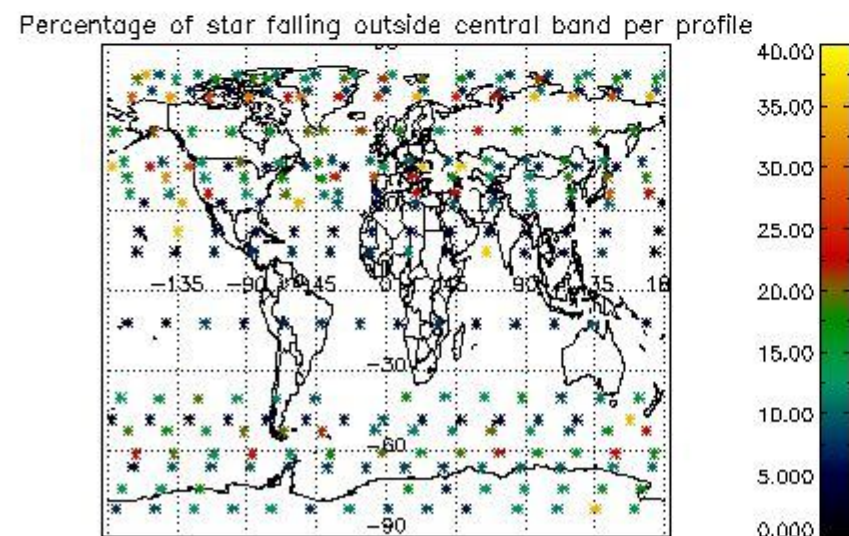
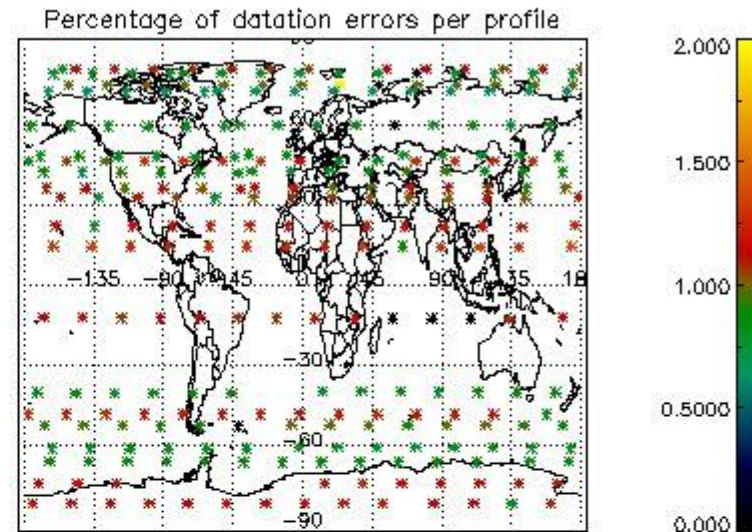
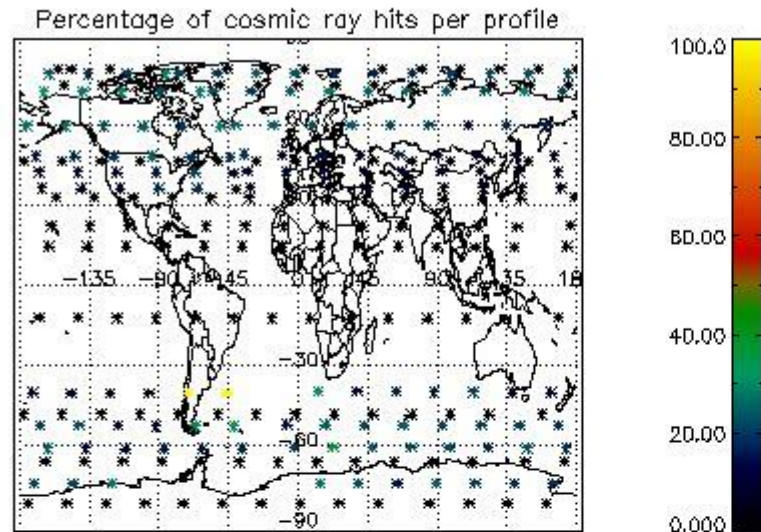
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	49.8221 %
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)



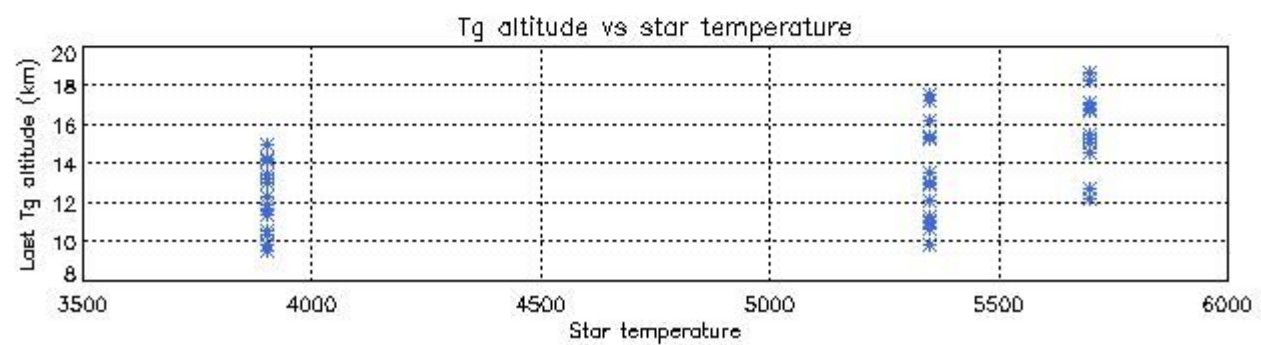
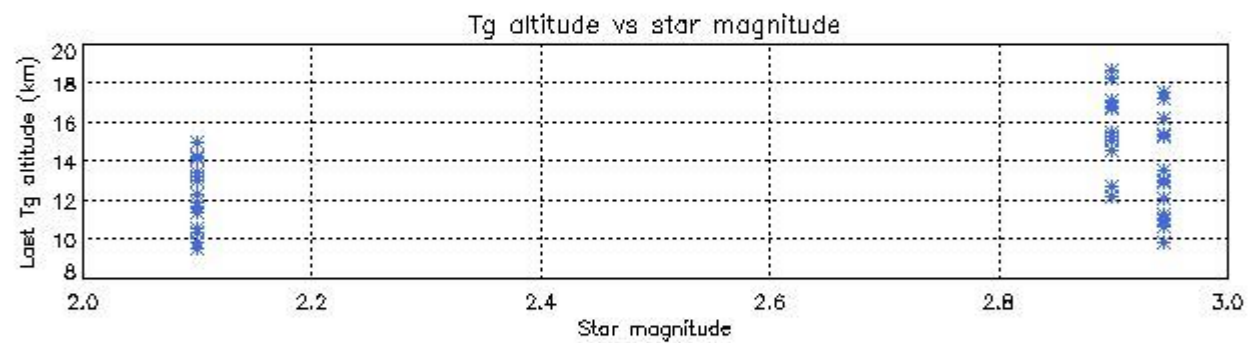
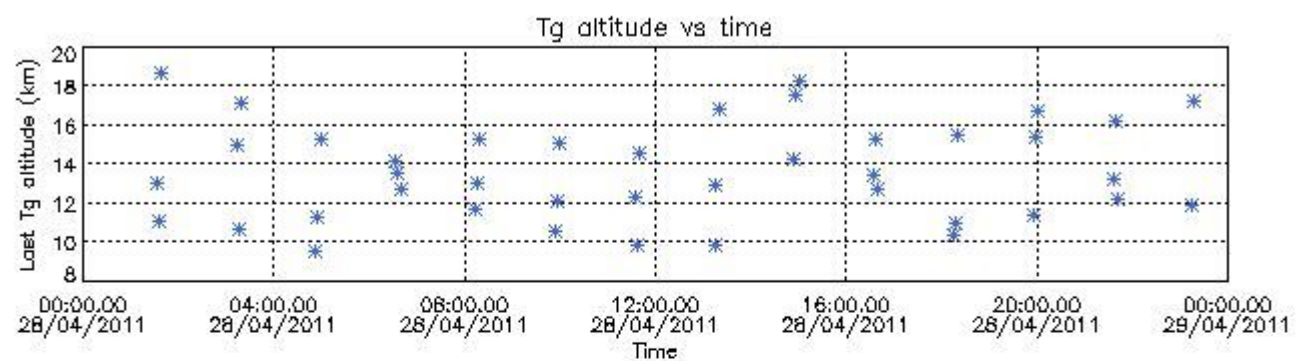
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.630	19.150	14.028
St. deviation:	2.4821	5.1134	2.2046
Maximum:	18.664	26.519	19.327
Minimum:	9.5428	3.6363	11.631
Number of data:	41.000	140.00	10.000

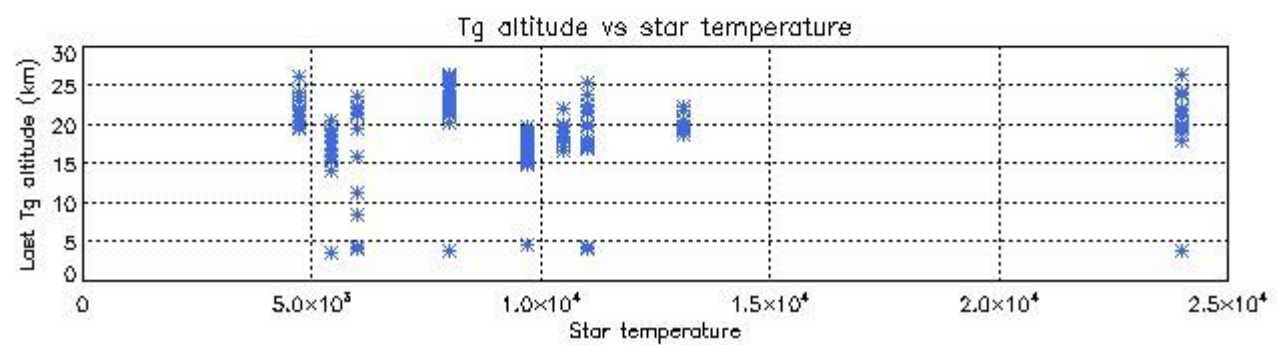
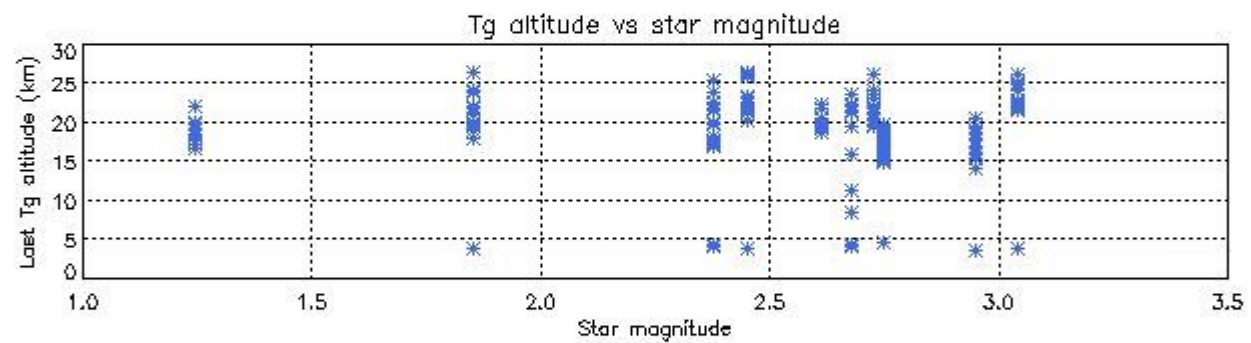
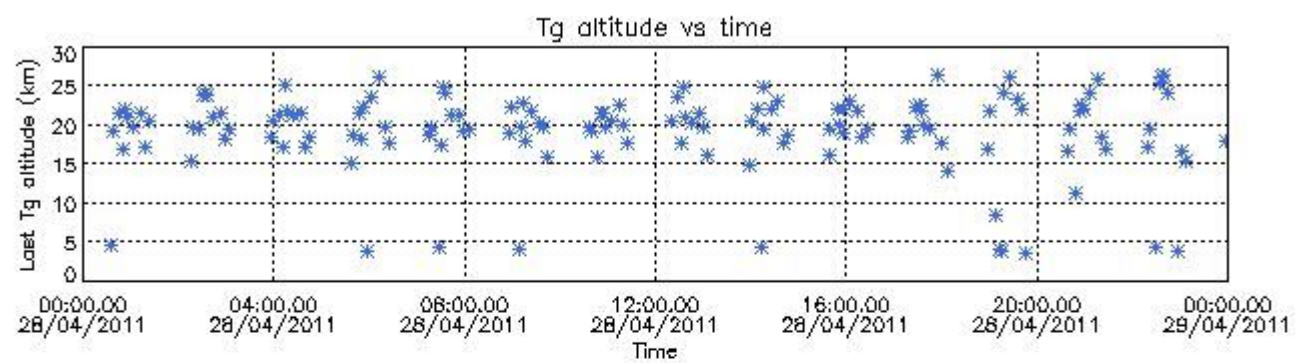
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



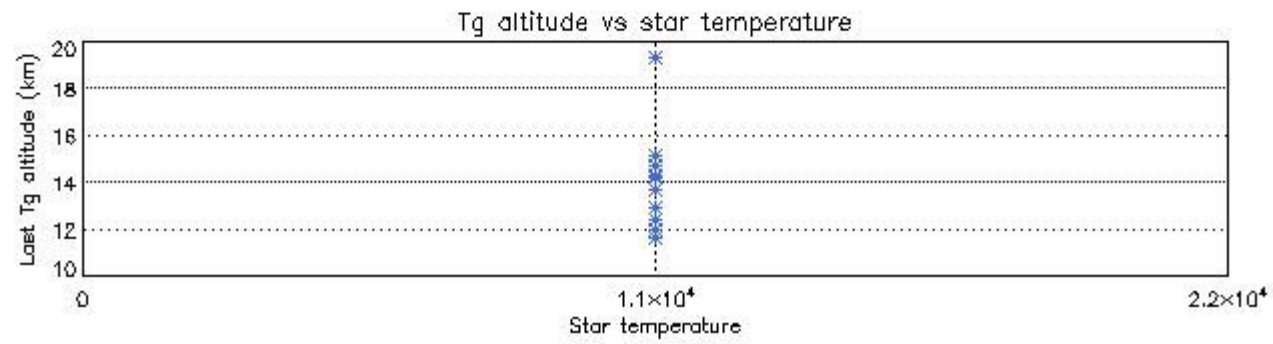
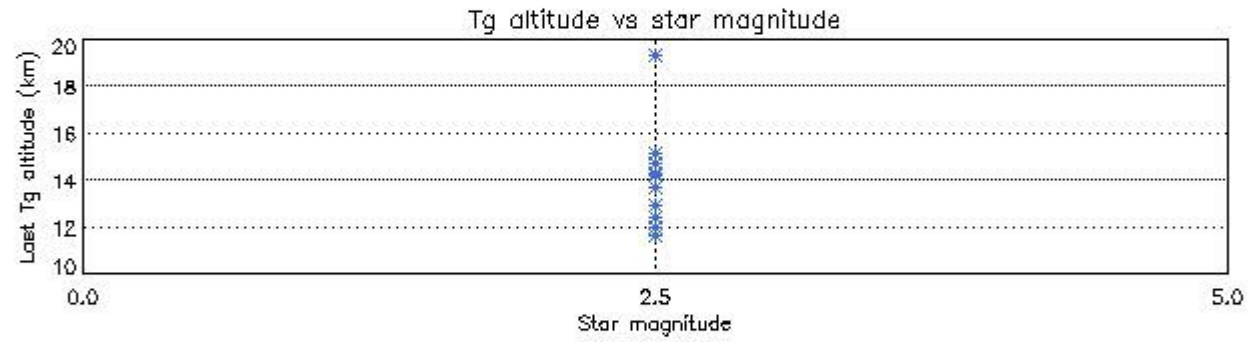
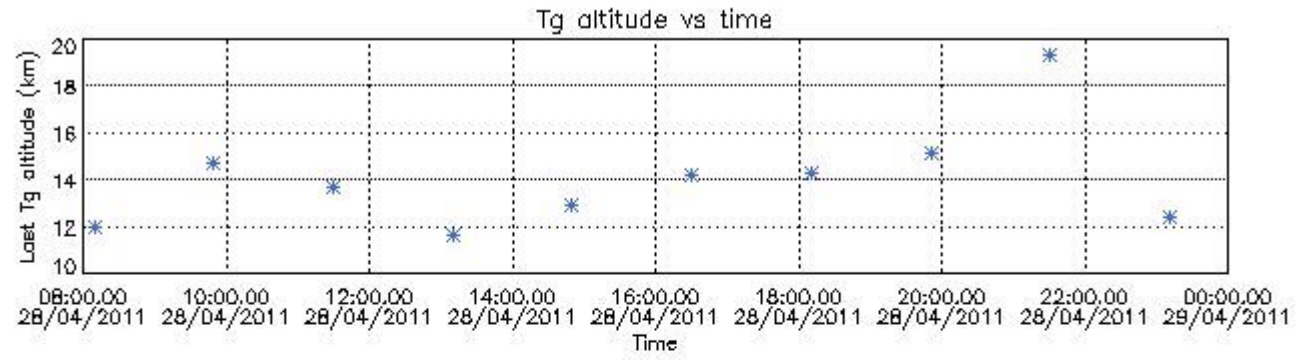
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

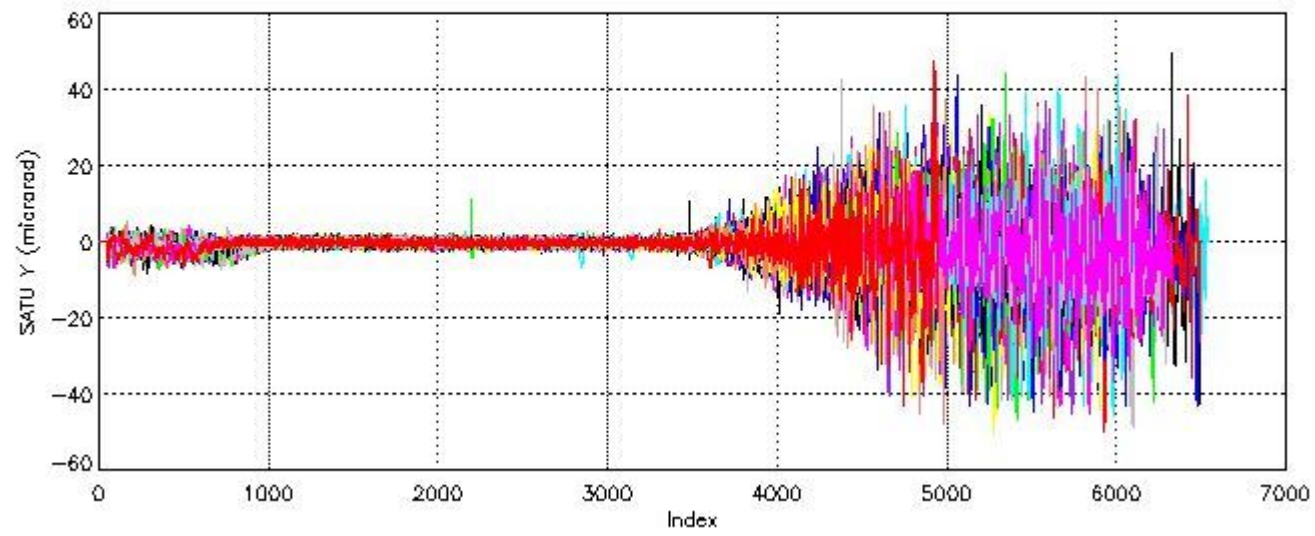
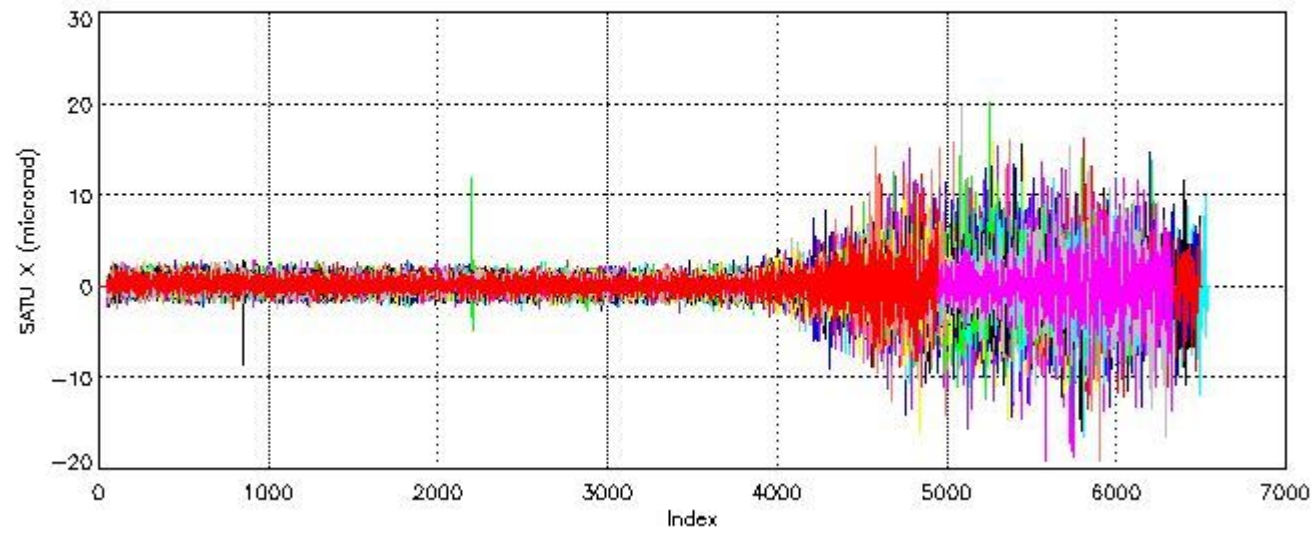


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.27931	-1.0526	0.31184	-1.3266
St. deviation:	0.55877	1.3579	0.88002	1.6656
Maximum:	2.9000	5.2000	8.9000	8.3000
Minimum:	-8.6000	-8.8000	-28.000	-9.9000

Number of data:	50600.	50600.	1.4900E+05	1.4900E+05
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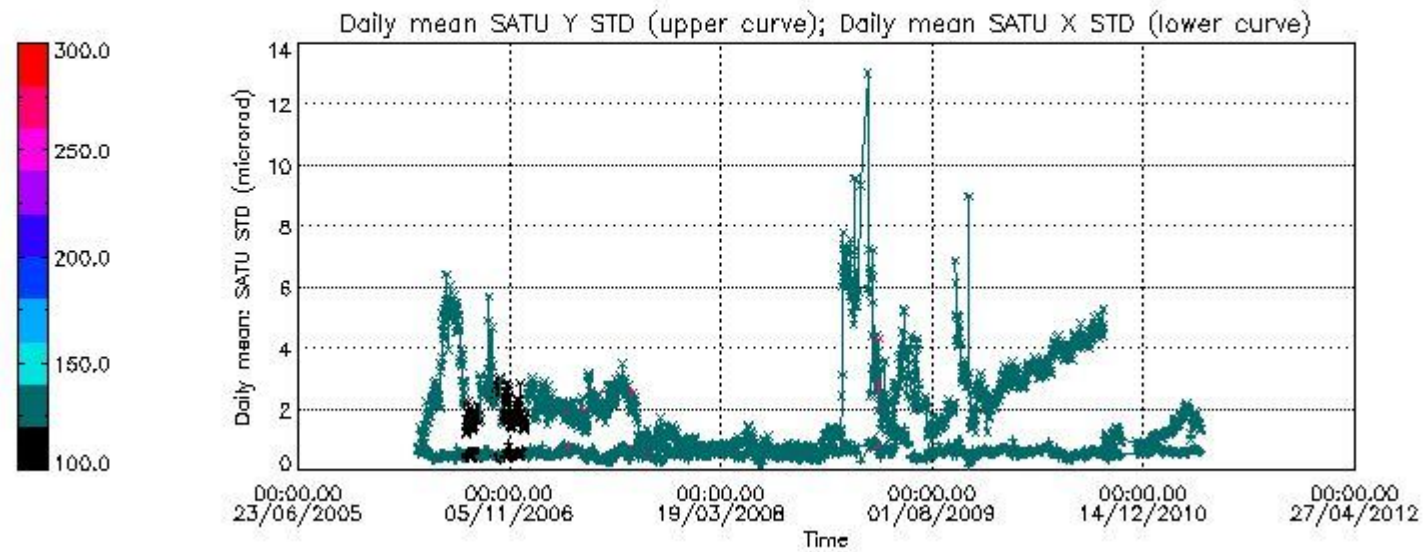
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

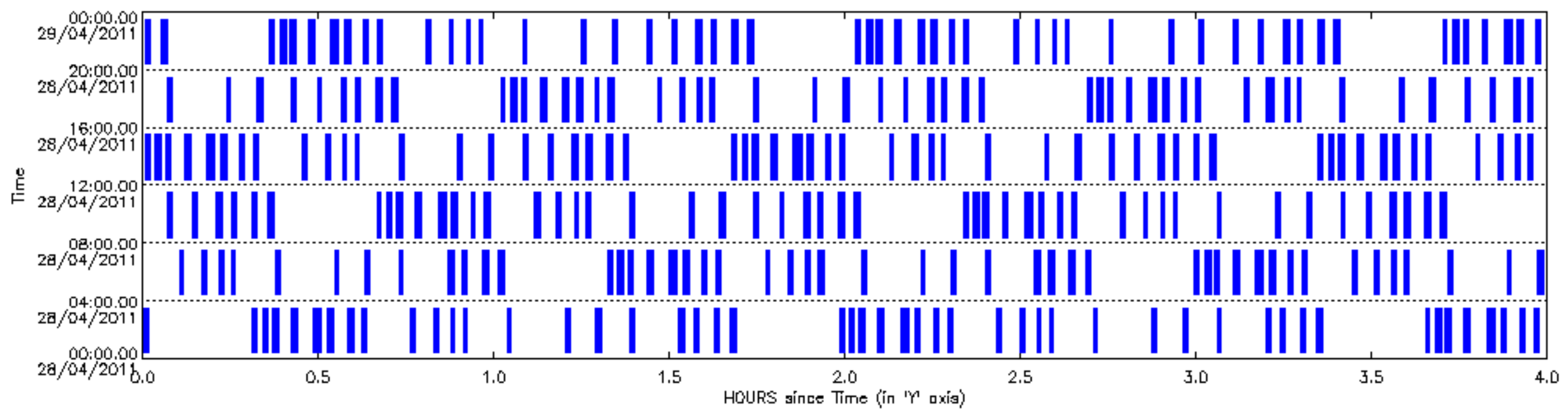


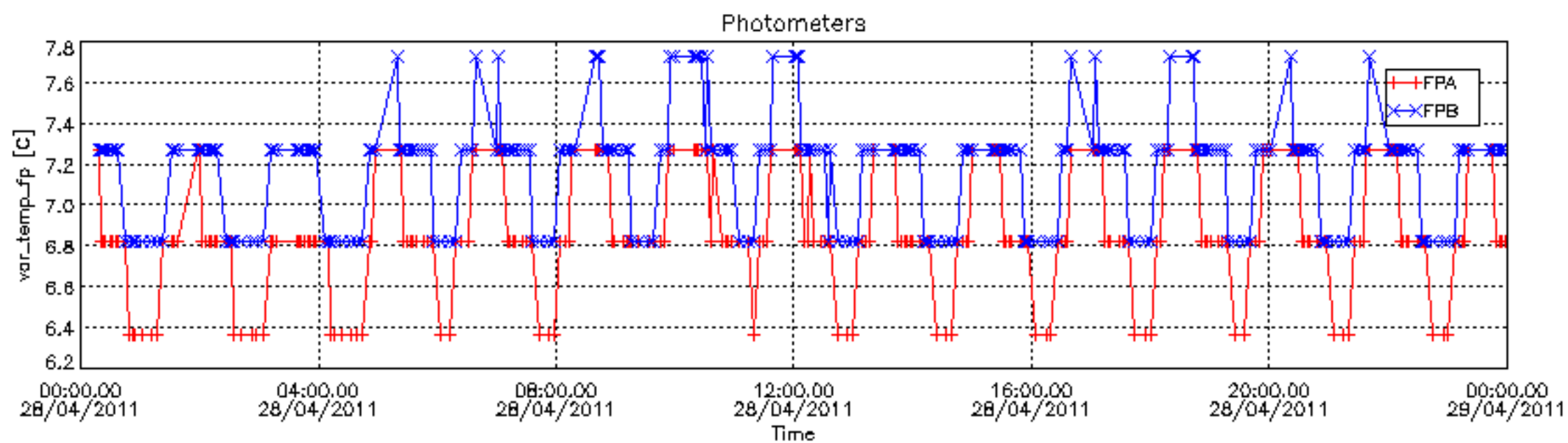
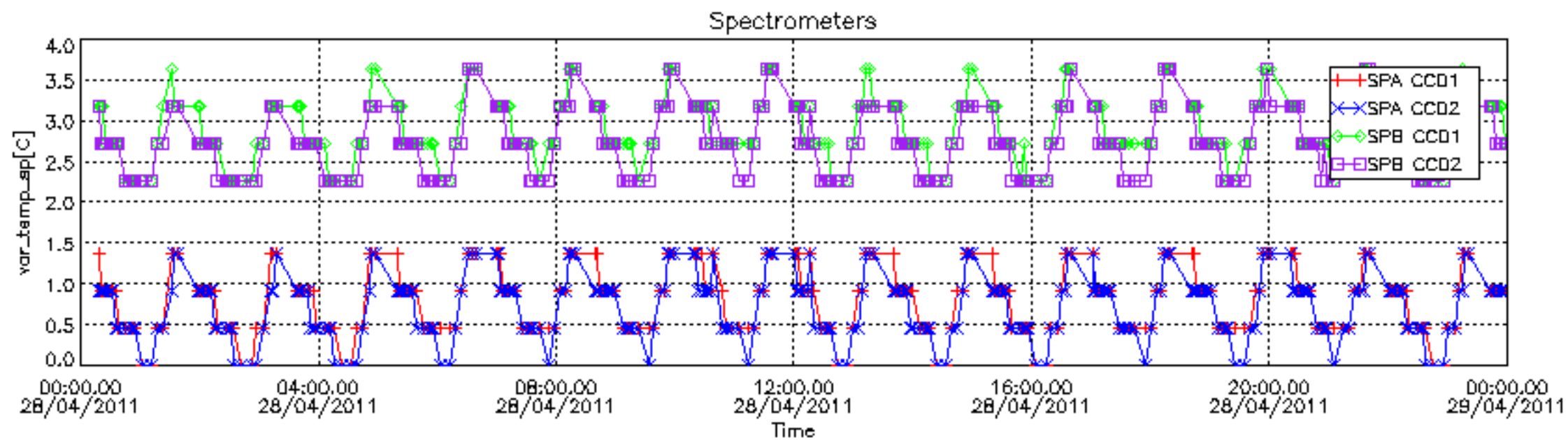
8. Auxiliary Data Files used for the production reported in section 2.4

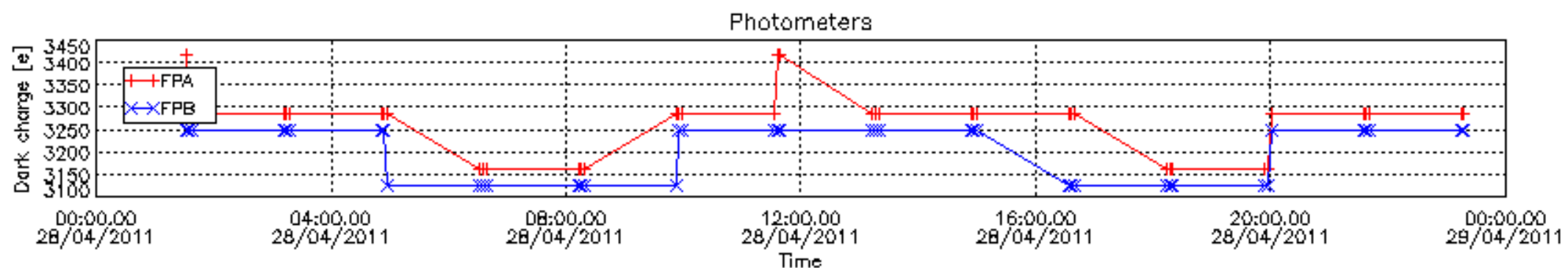
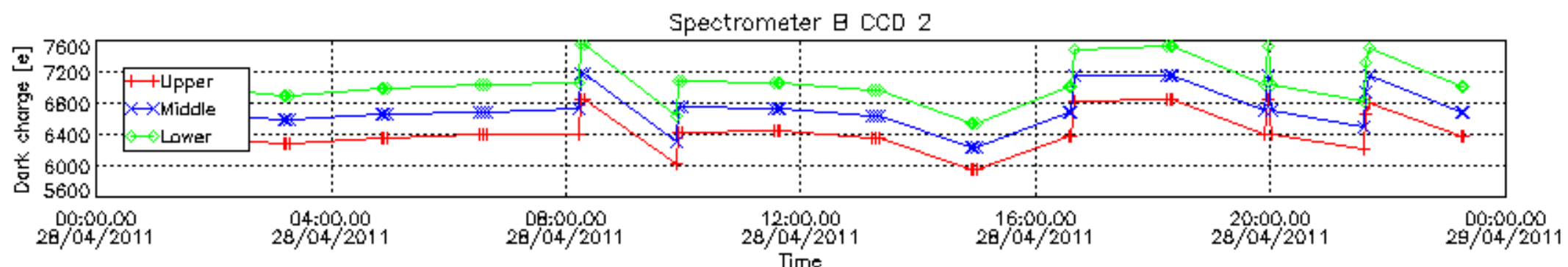
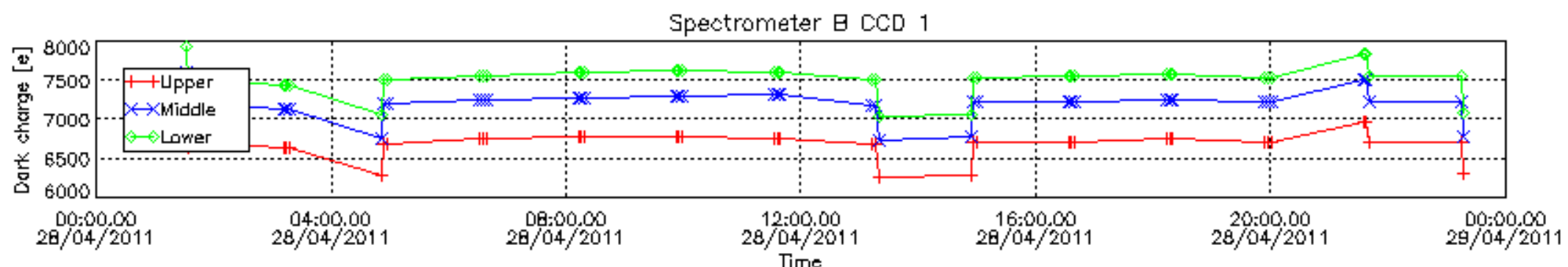
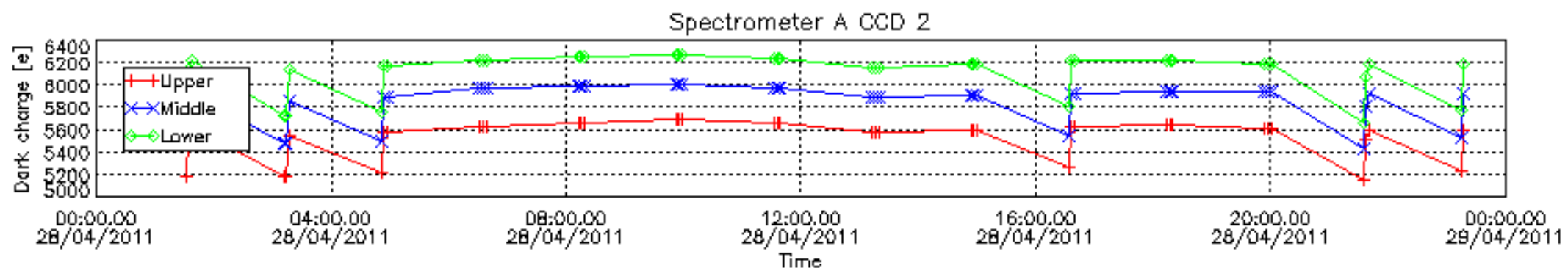
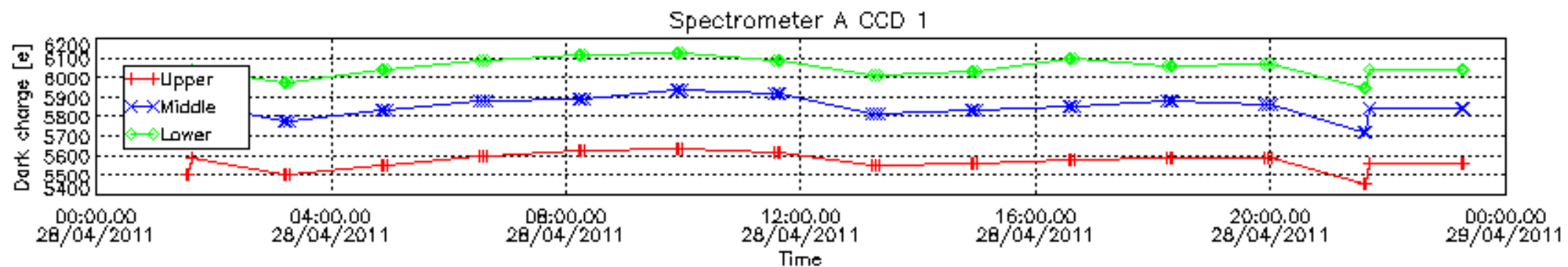
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

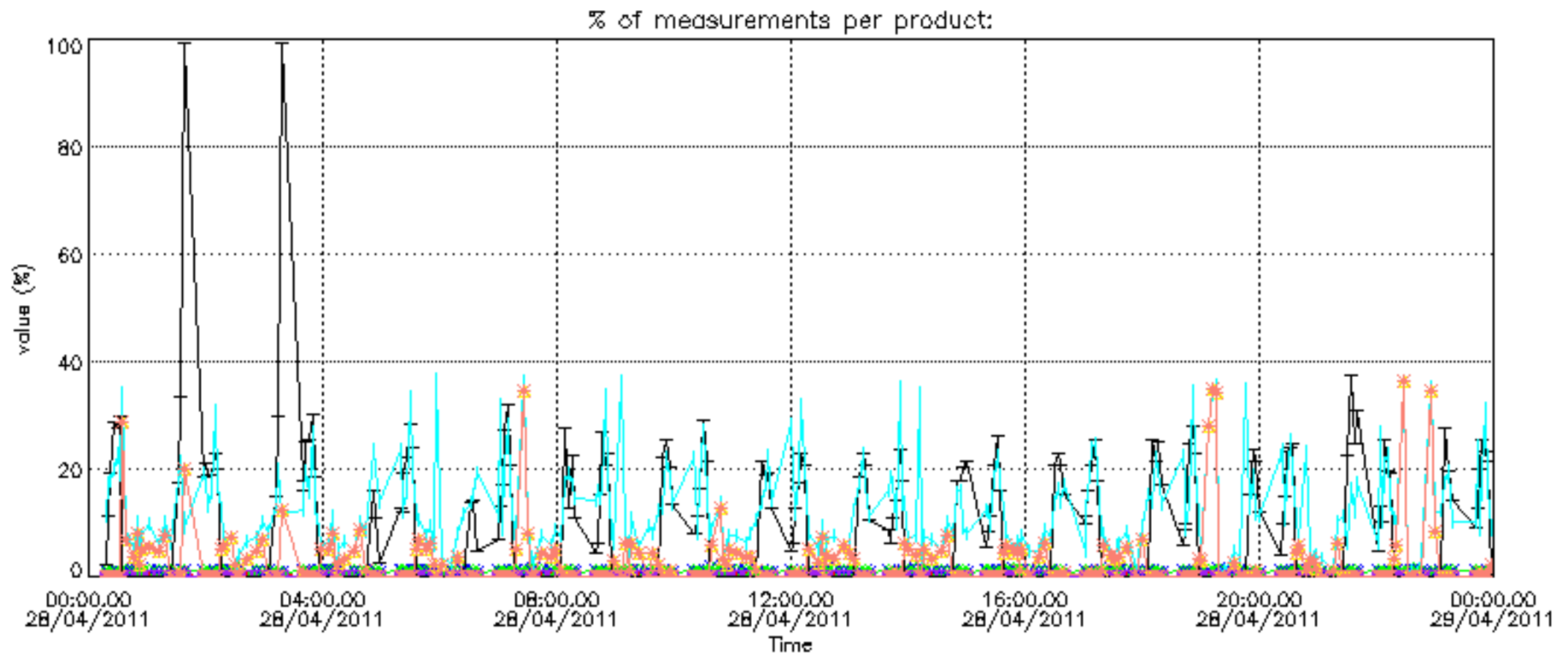
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	28-APR-2011 00:18:44
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110421_075944_20110419_000000_20500101_000000	1	28-APR-2011 00:18:44
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	28-APR-2011 00:18:44
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	28-APR-2011 00:18:44
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	28-APR-2011 00:18:44
ECMWF_FILE	AUX_ECF_AXNECM20110427_062106_20110427_210000_20110428_090000	1	28-APR-2011 00:18:44
ECMWF_FILE	AUX_ECA_AXNECM20110428_062115_20110427_210000_20110428_090000	46	28-APR-2011 03:57:43
ECMWF_FILE	AUX_ECF_AXNECM20110427_182103_20110428_030000_20110428_150000	52	28-APR-2011 04:32:43
ECMWF_FILE	AUX_ECF_AXNECM20110427_062106_20110427_210000_20110428_090000	71	28-APR-2011 06:12:57
ECMWF_FILE	AUX_ECA_AXNECM20110428_062115_20110427_210000_20110428_090000	84	28-APR-2011 07:18:11
ECMWF_FILE	AUX_ECF_AXNECM20110428_062115_20110428_090000_20110428_210000	105	28-APR-2011 09:06:53
ECMWF_FILE	AUX_ECF_AXNECM20110428_062116_20110428_150000_20110429_030000	182	28-APR-2011 15:33:44
ECMWF_FILE	AUX_ECA_AXNECM20110428_182115_20110428_090000_20110428_210000	201	28-APR-2011 17:11:38
ECMWF_FILE	AUX_ECF_AXNECM20110428_062116_20110428_150000_20110429_030000	240	28-APR-2011 20:28:19
ECMWF_FILE	AUX_ECF_AXNECM20110428_062116_20110428_210000_20110429_090000	256	28-APR-2011 21:40:33
OPTIONAL_ECMWF_FILE	MISSING	1	28-APR-2011 00:18:44
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110427_235625_000054193102_00030_47889_3006.N1	1	28-APR-2011 00:18:44
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110428_013204_000041443102_00031_47890_3007.N1	19	28-APR-2011 01:37:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110428_024627_000038253102_00032_47891_3008.N1	33	28-APR-2011 02:52:29
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110427_102103_20110426_194440_20110506_201813	46	28-APR-2011 03:57:43

ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110428_042724_000057383102_00033_47892_3009.N1	52	28-APR-2011 04:32:43
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110428_060821_000038263102_00034_47893_4431.N1	71	28-APR-2011 06:12:57
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110428_071725_000006383102_00035_47894_4432.N1	84	28-APR-2011 07:18:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110428_085822_000054193102_00036_47895_4433.N1	105	28-APR-2011 09:06:53
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110428_103400_000057383102_00037_47896_4434.N1	124	28-APR-2011 10:38:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110428_121457_000054193102_00038_47897_4435.N1	143	28-APR-2011 12:16:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110428_135036_000057383102_00039_47898_4436.N1	163	28-APR-2011 13:56:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110428_153133_000054203102_00040_47899_4438.N1	182	28-APR-2011 15:33:44
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110428_170711_000054193102_00041_47900_4439.N1	201	28-APR-2011 17:11:38
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110428_102114_20110427_190756_20110507_212143	220	28-APR-2011 18:48:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110428_202346_000041443102_00043_47902_3012.N1	240	28-APR-2011 20:28:19
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110428_213810_000057383102_00043_47902_3013.N1	256	28-APR-2011 21:40:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110428_231907_000057383102_00044_47903_3014.N1	276	28-APR-2011 23:20:48

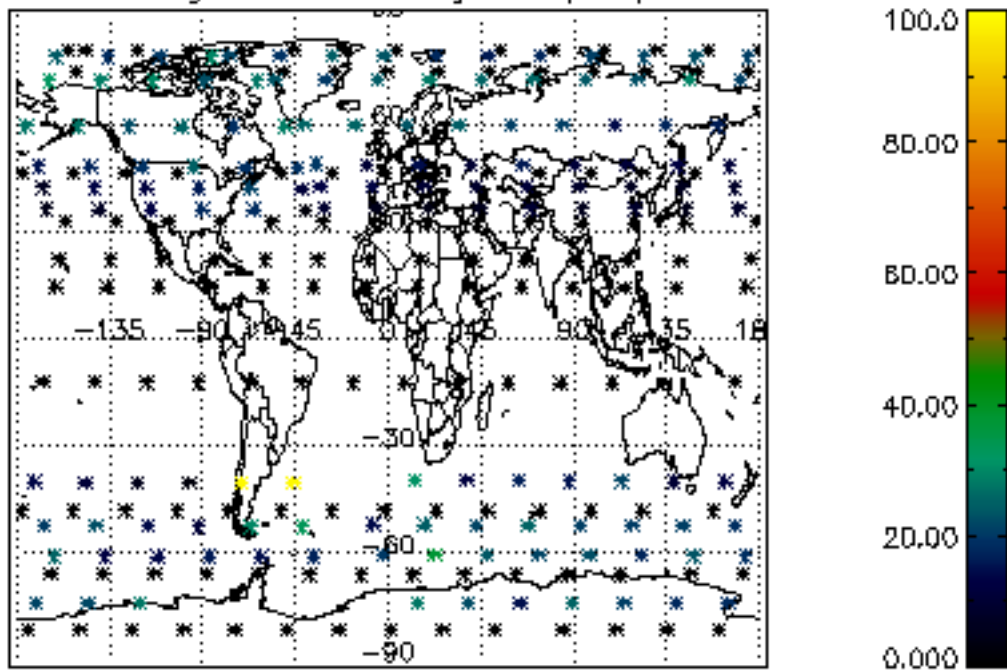




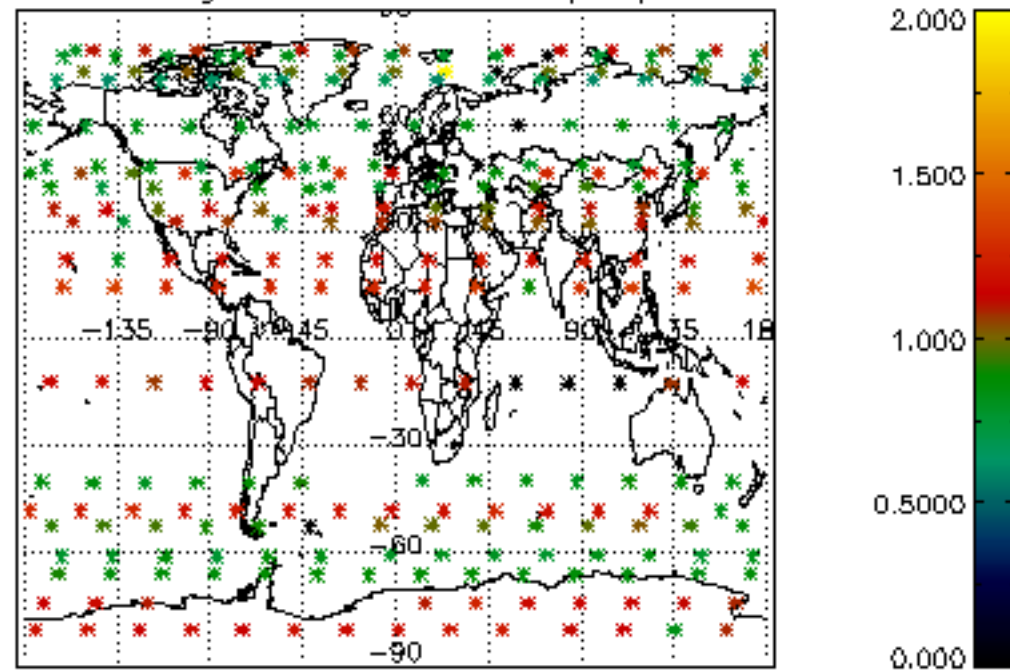




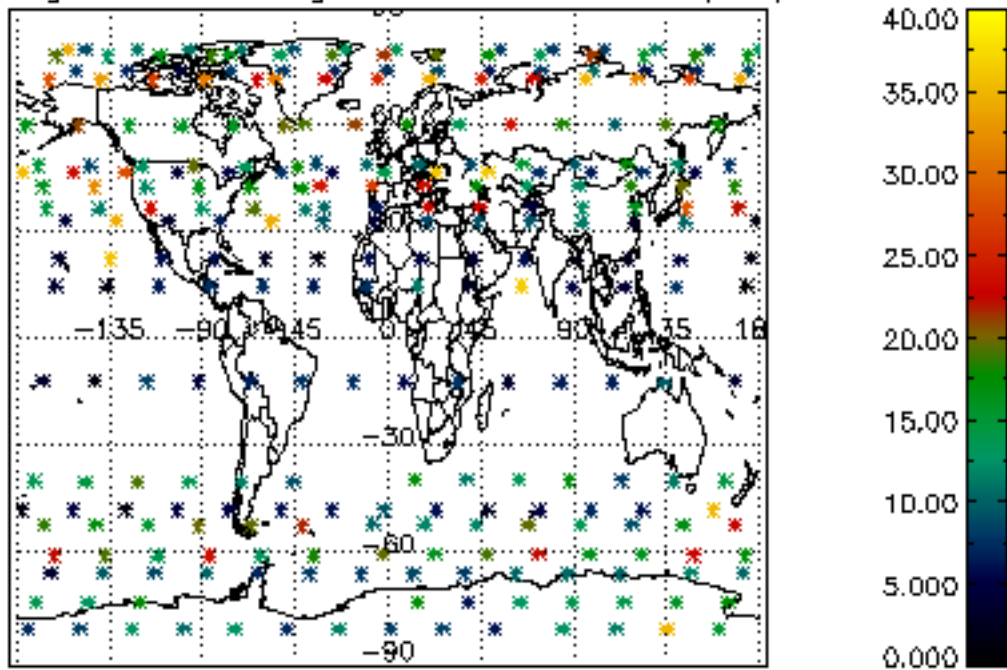
Percentage of cosmic ray hits per profile



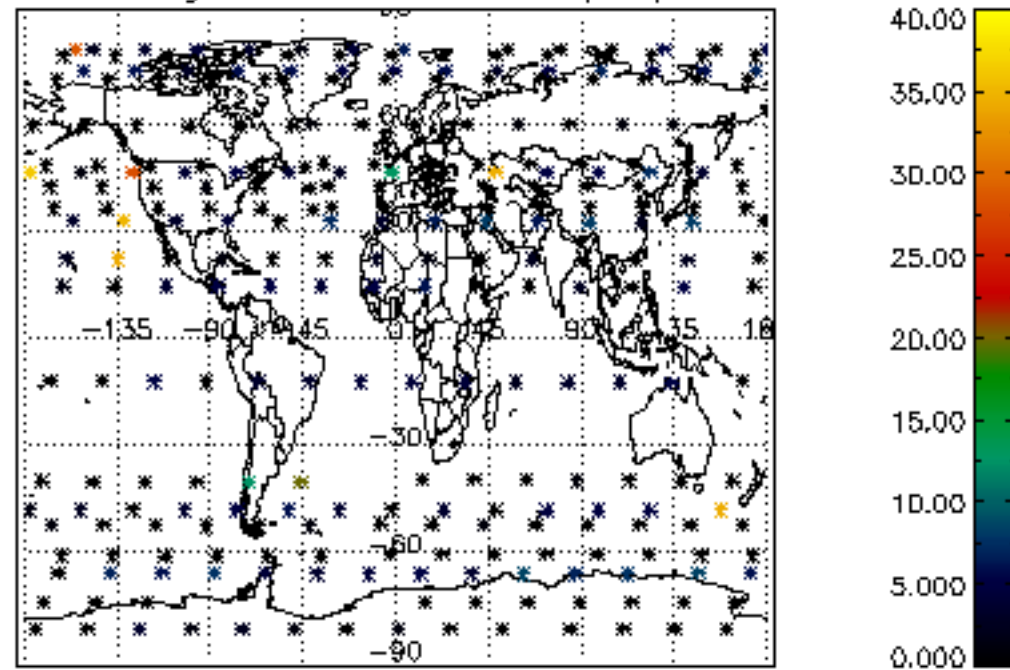
Percentage of datation errors per profile



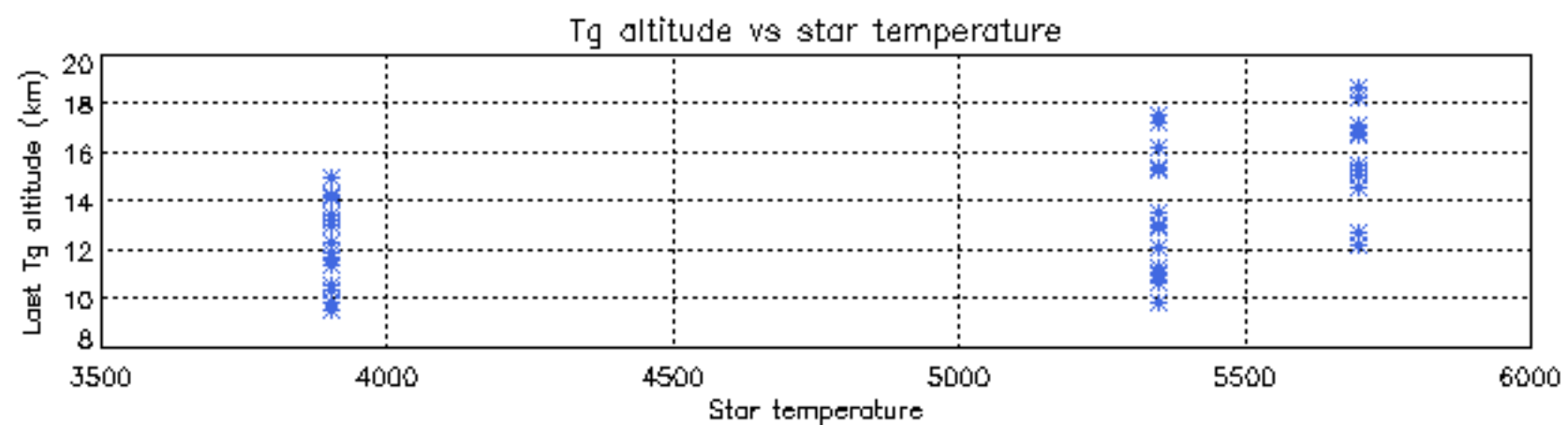
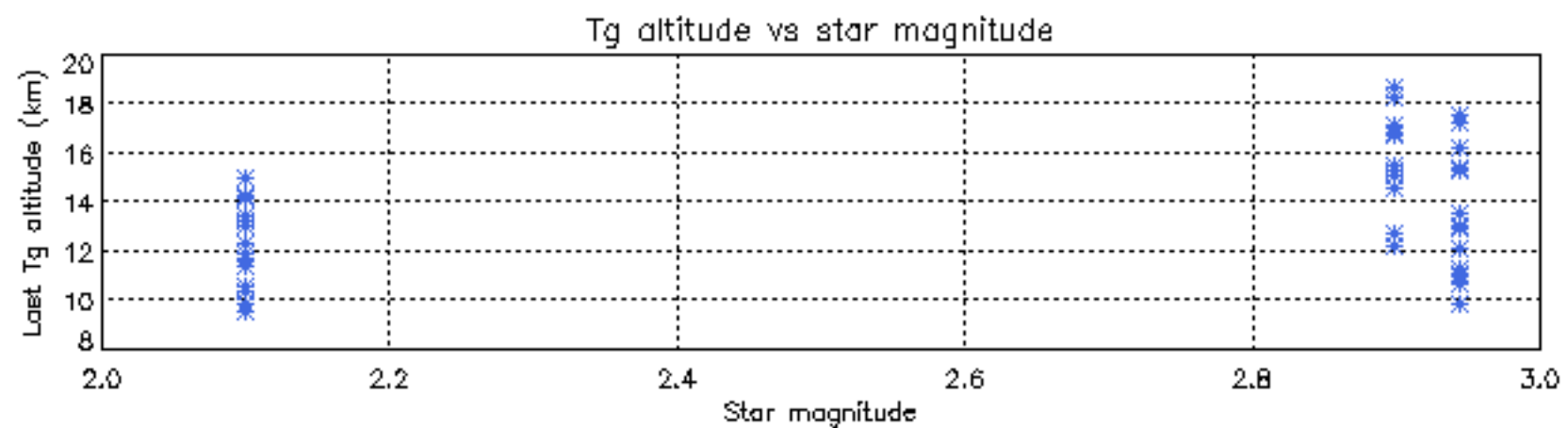
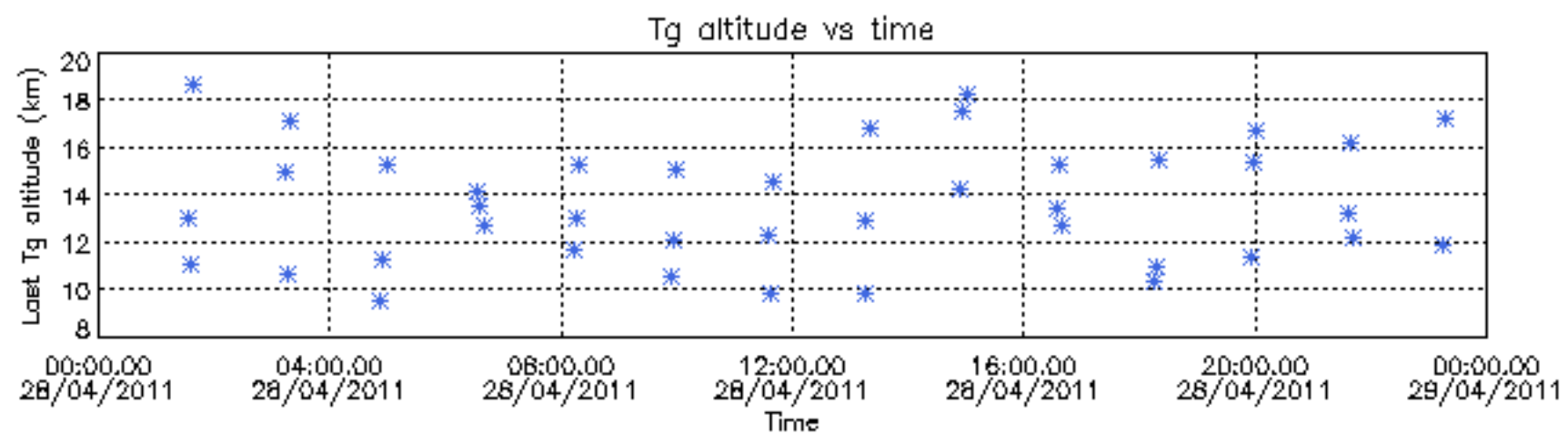
Percentage of star falling outside central band per profile



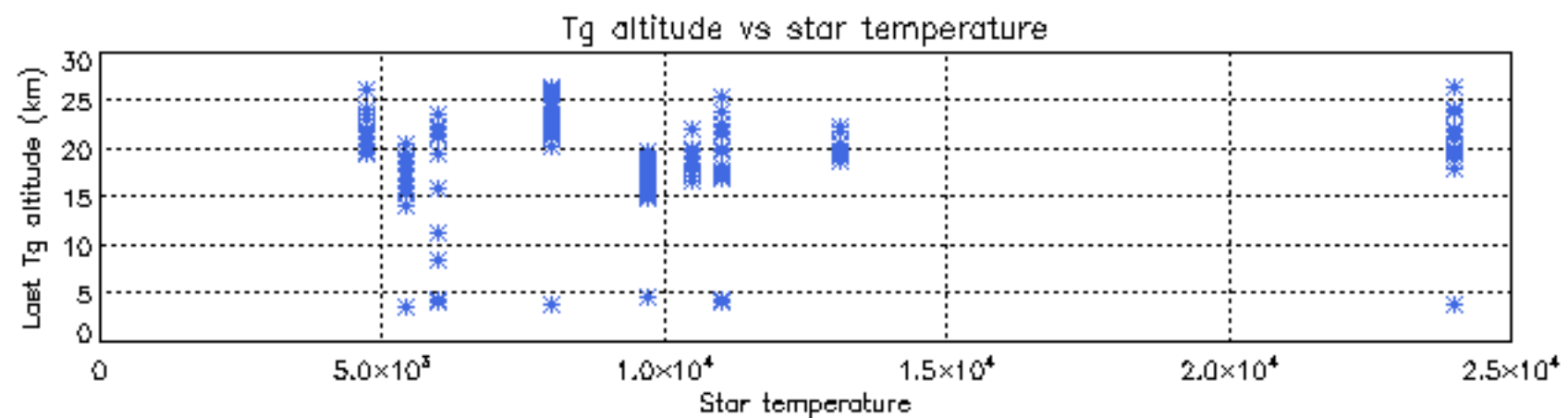
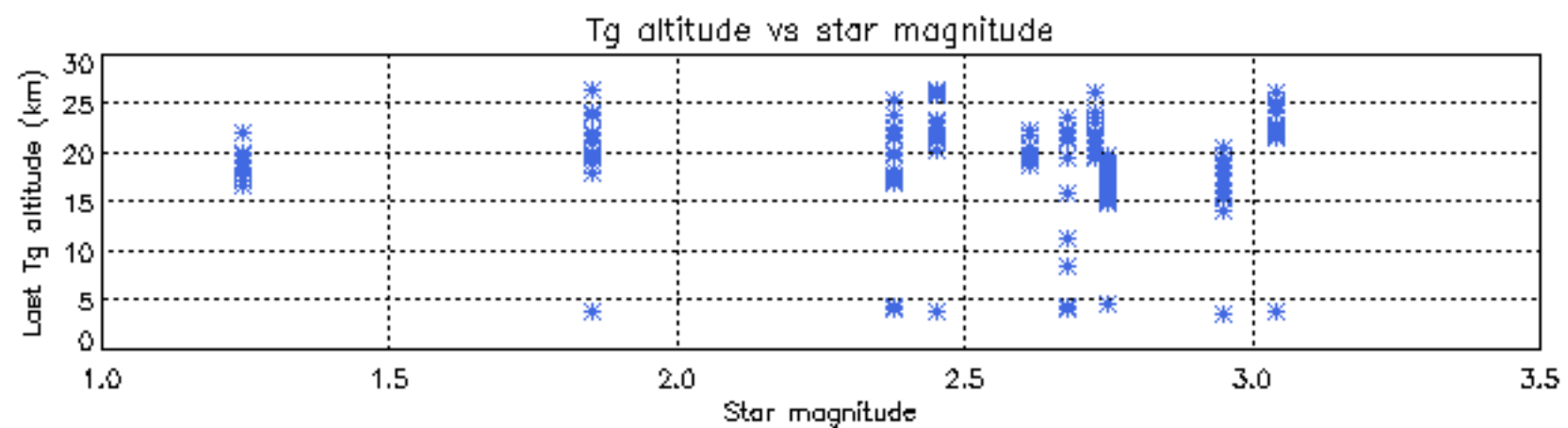
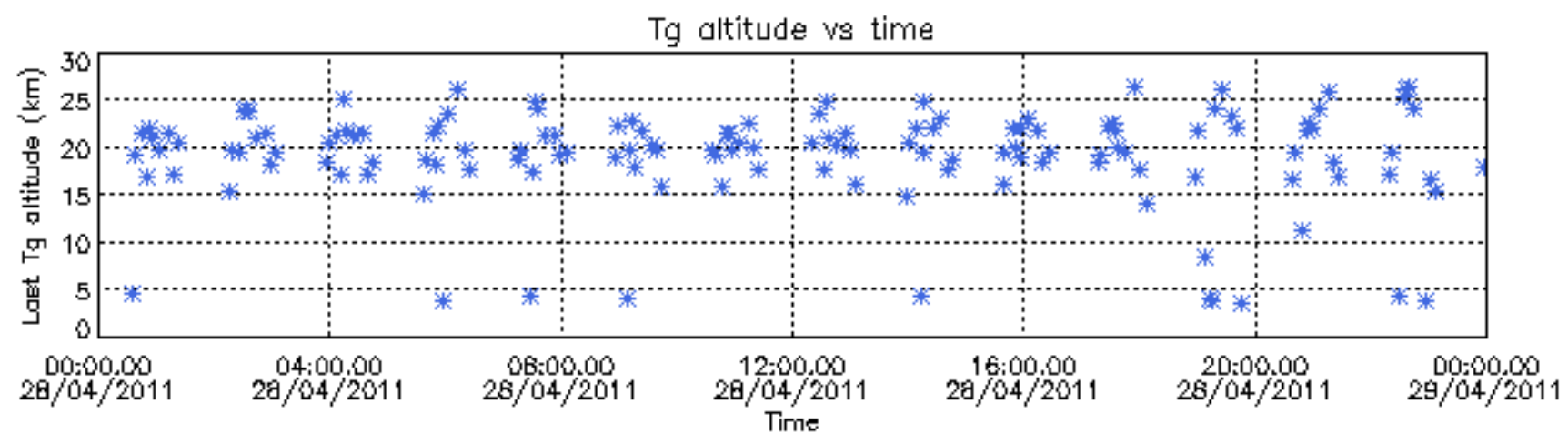
Percentage of saturation errors per profile



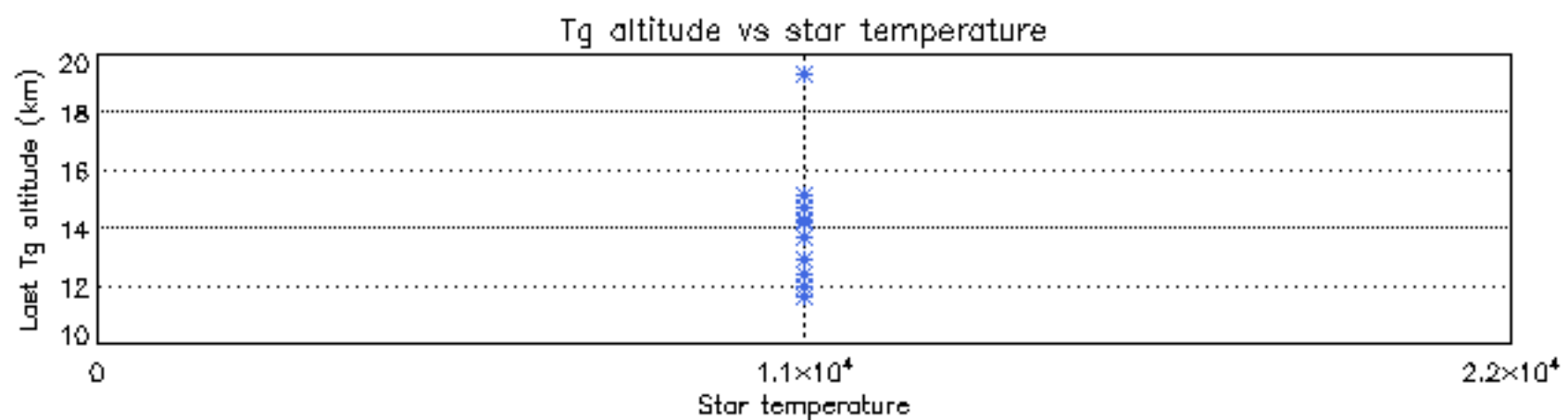
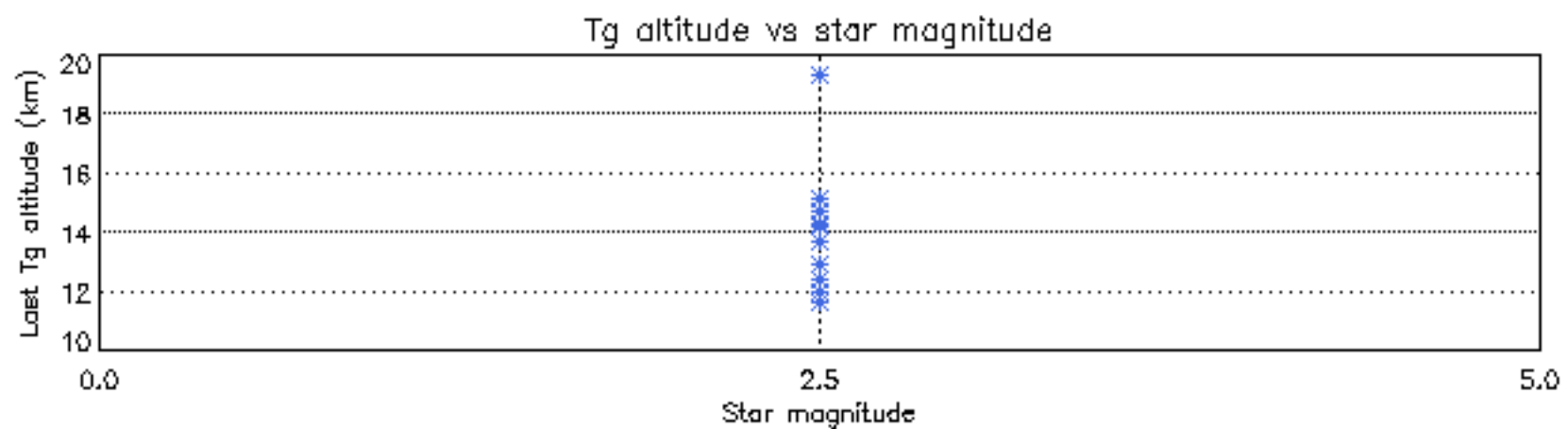
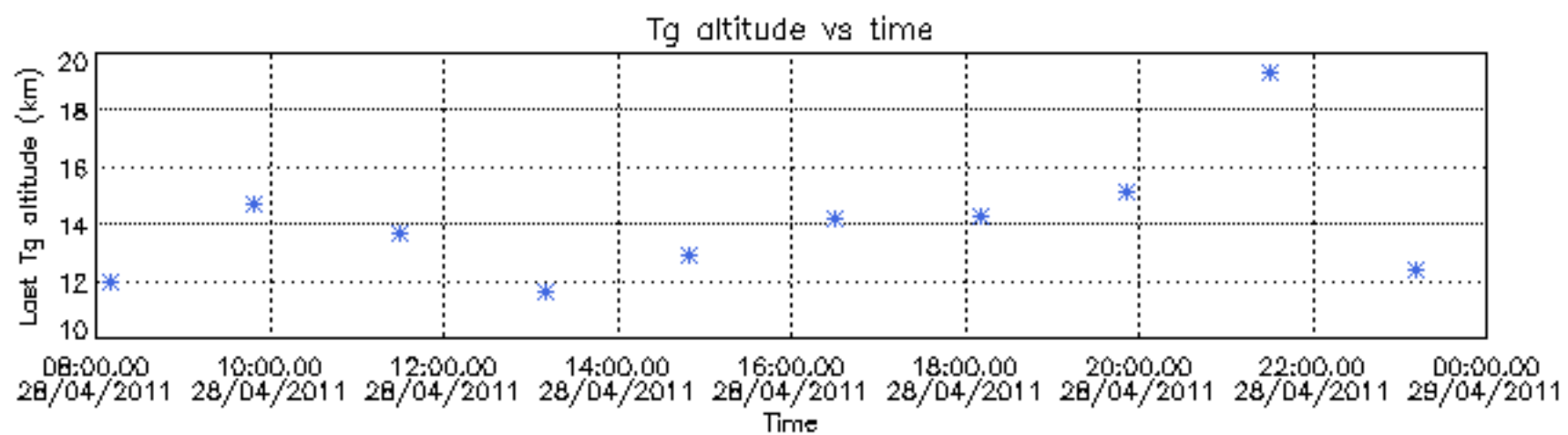
Tangent altitude at which the star is lost

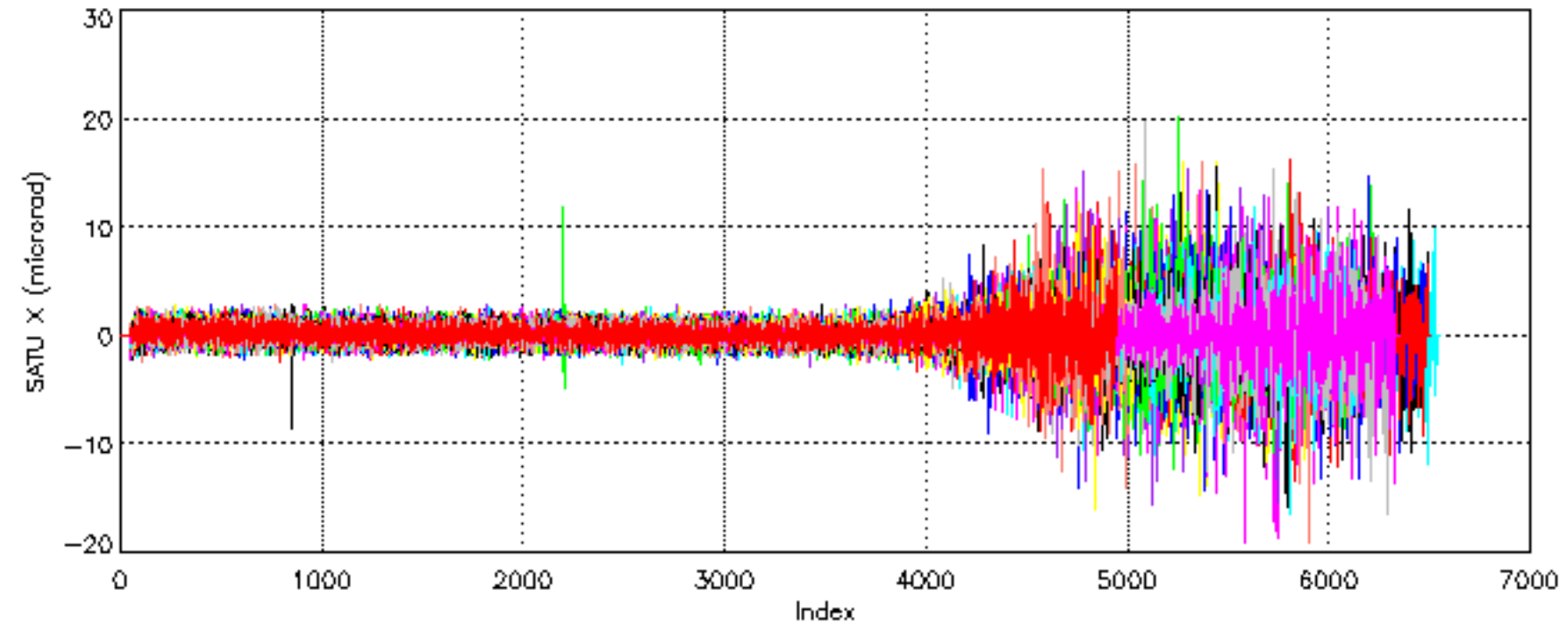


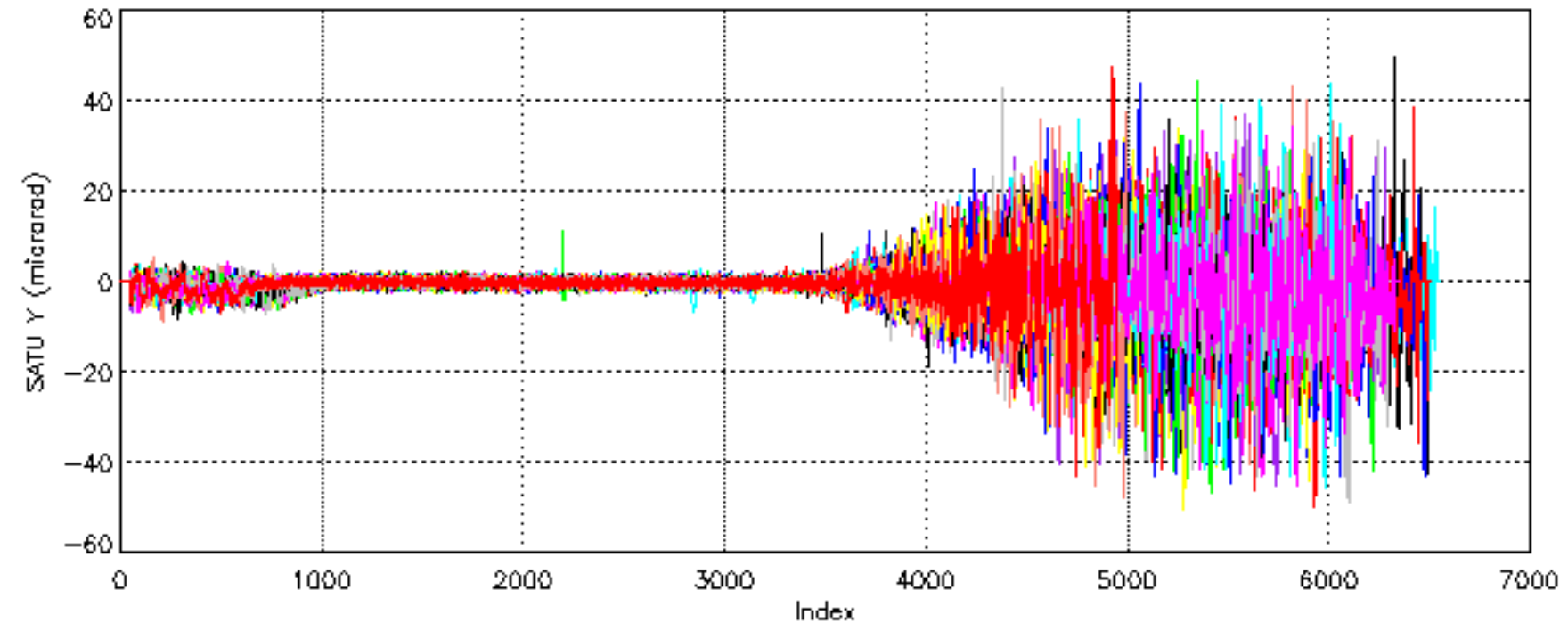
Tangent altitude at which the star is lost

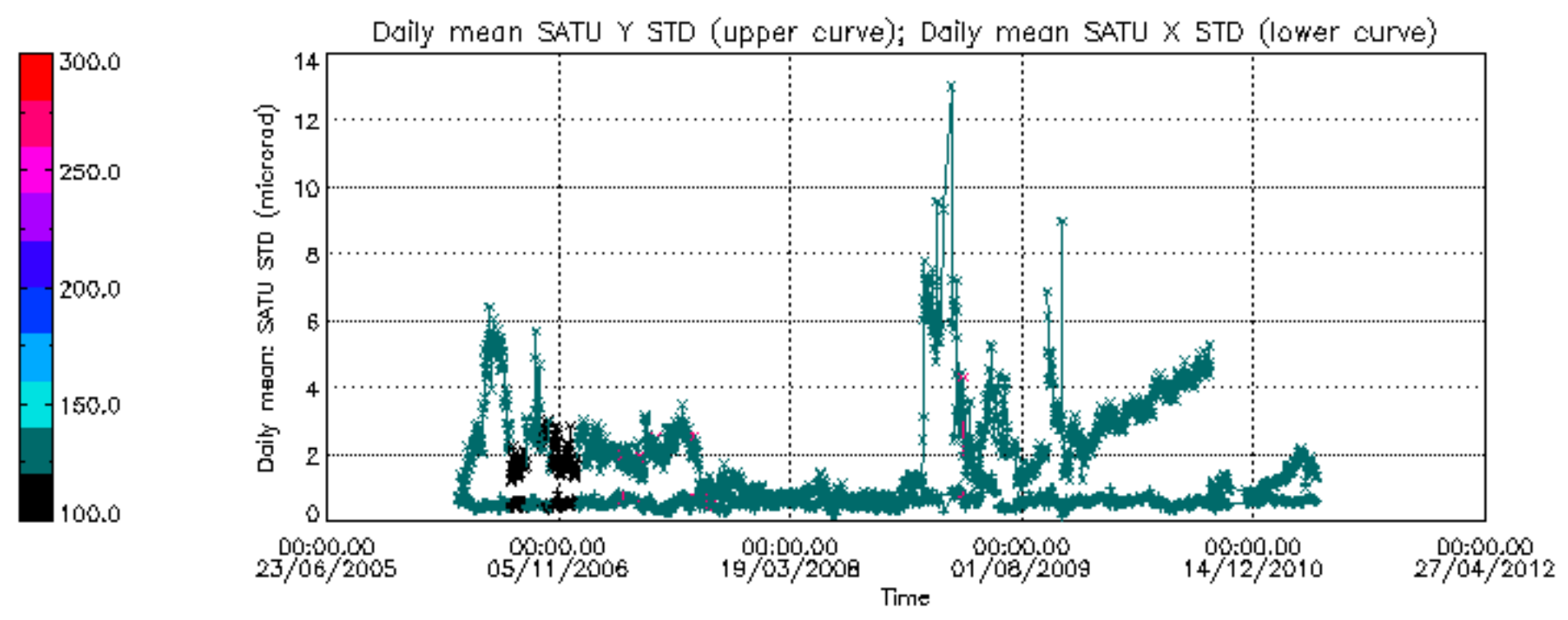


Tangent altitude at which the star is lost









/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
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5; 571.1; 13-APR-2011 22:51:02; Dark ; 69.5; 25; 35Lam Sco ; 1.62; 28000;occ; 139; 0;47688
6; 809.5; 13-APR-2011 22:55:01; Dark ; 67.0; 75; 26Eps Sco ; 2.29; 4250;occ; 134; 0;47688
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9; 1174.3; 13-APR-2011 23:01:06; Dark ; 49.5; 54; 5The Cen ; 2.06; 4500;occ; 99; 0;47688
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 16; 2841.0; 13-APR-2011 23:28:52; Bright; 42.5; 39; 85Eta UMa ; 1.85; 24000;occ; 85; 0;47688
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 22; 4430.1; 13-APR-2011 23:55:21; Bright; 53.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 107; 0;47688
 23; 4868.3; 14-APR-2011 00:02:39; Dark ; 52.0; 61; 8Eps Peg ; 2.10; 3900;occ; 104; 0;47688
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 4;-1584.8; 13-APR-2011 07:13:00; Bright; 52.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 105; 0;47678
 5;-1149.4; 13-APR-2011 07:20:16; Dark ; 50.5; 61; 8Eps Peg ; 2.10; 3900;occ; 101; 0;47678
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 9; 319.1; 13-APR-2011 07:44:44; Dark ; 60.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 121; 0;47679
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 13; 931.5; 13-APR-2011 07:54:57; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;47679
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 5; 2878.7; 13-APR-2011 08:27:24; Bright; 39.0; 32; 77Eps UMa ; 1.76; 11000;occ; 78; 0;47679
 6; 3262.8; 13-APR-2011 08:33:48; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;47679
 7; 3358.7; 13-APR-2011 08:35:24; Bright; 47.5; 119; 14Eta Dra ; 2.73; 4700;occ; 95; 0;47679
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 9; 4134.6; 13-APR-2011 08:48:20; Bright; 52.5; 144; 18Del Cyg ; 2.86; 11000;occ; 105; 0;47679
 10; 4281.6; 13-APR-2011 08:50:47; Bright; 54.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 108; 0;47679
 11; 4429.2; 13-APR-2011 08:53:15; Bright; 53.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 107; 0;47679
 12; 4864.8; 13-APR-2011 09:00:30; Dark ; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;47679
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 22; 7185.5; 13-APR-2011 09:39:11; Dark ; 50.5; 54; 5The Cen ; 2.06; 4500;occ; 101; 0;47680
 23; 7472.4; 13-APR-2011 09:43:58; Dark ; 45.0; 169; 46Gam Hya ; 2.99; 4700;occ; 90; 0;47680
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13;	5165.7;	13-APR-2011	12:25:59;	Dark	;	50.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	100;	0;	47681
14;	5880.1;	13-APR-2011	12:37:53;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;	47681
15;	6121.7;	13-APR-2011	12:41:55;	Dark	;	62.5;	103;	38Zet Sgr	;	2.60;	9700;occ;	125;	0;	47682
16;	6337.5;	13-APR-2011	12:45:31;	Dark	;	62.5;	38;	20Eps Sgr	;	1.84;	11000;occ;	125;	0;	47682
17;	6477.4;	13-APR-2011	12:47:51;	Dark	;	43.0;	141;	Bet Ara	;	2.84;	4600;occ;	86;	0;	47682
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19;	6816.6;	13-APR-2011	12:53:30;	Dark	;	64.0;	75;	26Eps Sco	;	2.29;	4250;occ;	128;	0;	47682
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21;	7042.2;	13-APR-2011	12:57:15;	Dark	;	41.5;	81;	Eta Cen	;	2.36;	28000;occ;	83;	0;	47682
22;	7186.1;	13-APR-2011	12:59:39;	Dark	;	48.0;	54;	5The Cen	;	2.06;	4500;occ;	96;	0;	47682
23;	7472.6;	13-APR-2011	13:04:26;	Dark	;	43.5;	169;	46Gam Hya	;	2.99;	4700;occ;	87;	0;	47682
24;	7567.3;	13-APR-2011	13:06:01;	Dark	;	62.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	124;	0;	47682
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2;	1679.4;	13-APR-2011	13:08:06;	Bright	;	55.5;	15;	67Alp Vir	;	0.98;	28000;occ;	111;	0;	47682
3;	2092.8;	13-APR-2011	13:15:00;	Bright	;	40.5;	138;	47Eps Vir	;	2.83;	4700;occ;	81;	0;	47682
4;	2304.0;	13-APR-2011	13:18:31;	Bright	;	48.0;	111;	8Eta Boo	;	2.68;	6000;occ;	96;	0;	47682
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7;	3262.2;	13-APR-2011	13:34:29;	Bright	;	39.5;	60;	7Bet UMi	;	2.08;	3950;occ;	79;	0;	47682
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9;	3862.7;	13-APR-2011	13:44:30;	Bright	;	39.0;	89;	5Alp Cep	;	2.45;	8000;occ;	78;	0;	47682
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11;	4281.4;	13-APR-2011	13:51:29;	Bright	;	52.0;	66;	37Gam Cyg	;	2.21;	5900;occ;	104;	0;	47682
12;	4429.6;	13-APR-2011	13:53:57;	Bright	;	52.5;	92;	53Eps Cyg	;	2.50;	4500;occ;	105;	0;	47682
13;	4866.1;	13-APR-2011	14:01:13;	Dark	;	50.5;	61;	8Eps Peg	;	2.10;	3900;occ;	101;	0;	47682
14;	5166.4;	13-APR-2011	14:06:14;	Dark	;	48.5;	154;	22Bet Aqr	;	2.90;	5700;occ;	97;	0;	47682
15;	5881.3;	13-APR-2011	14:18:08;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	47682
16;	6123.4;	13-APR-2011	14:22:10;	Dark	;	60.5;	103;	38Zet Sgr	;	2.60;	9700;occ;	121;	0;	47683
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18;	6478.1;	13-APR-2011	14:28:05;	Dark	;	45.0;	141;	Bet Ara	;	2.84;	4600;occ;	90;	0;	47683
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21;	6947.5;	13-APR-2011	14:35:55;	Dark	;	44.0;	78;	Alp Lup	;	2.30;	28000;occ;	88;	0;	47683
22;	7042.7;	13-APR-2011	14:37:30;	Dark	;	43.5;	81;	Eta Cen	;	2.36;	28000;occ;	87;	0;	47683
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24;	7473.0;	13-APR-2011	14:44:40;	Dark	;	20.5;	169;	46Gam Hya	;	2.99;	4700;occ;	41;	0;	47683
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3;	1679.5;	13-APR-2011	14:48:21;	Bright	;	51.5;	15;	67Alp Vir	;	0.98;	28000;occ;	103;	0;	47683
4;	2092.7;	13-APR-2011	14:55:14;	Bright	;	40.5;	138;	47Eps Vir	;	2.83;	4700;occ;	81;	0;	47683
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6;	2580.8;	13-APR-2011	15:03:22;	Bright	;	39.0;	152;	12Alp2CVn	;	2.89;	11000;occ;	78;	0;	47683
7;	2843.8;	13-APR-2011	15:07:45;	Bright	;	50.0;	39;	85Eta UMa	;	1.85;	24000;occ;	100;	0;	47683
8;	3261.8;	13-APR-2011	15:14:43;	Bright	;	41.0;	60;	7Bet UMi	;	2.08;	3950;occ;	82;	0;	47683
9;	3355.6;	13-APR-2011	15:16:17;	Bright	;	47.5;	119;	14Eta Dra	;	2.73;	4700;occ;	95;	0;	47683
10;	3862.6;	13-APR-2011	15:24:44;	Bright	;	38.5;	89;	5Alp Cep	;	2.45;	8000;occ;	77;	0;	47683
11;	4133.3;	13-APR-2011	15:29:14;	Bright	;	55.0;	144;	18Del Cyg	;	2.86;	11000;occ;	110;	0;	47683
12;	4281.5;	13-APR-2011	15:31:43;	Bright	;	52.0;	66;	37Gam Cyg	;	2.21;	5900;occ;	104;	0;	47683
13;	4429.8;	13-APR-2011	15:34:11;	Bright	;	52.5;	92;	53Eps Cyg	;	2.50;	4500;occ;	105;	0;	47683
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15;	5167.0;	13-APR-2011	15:46:28;	Dark	;	48.5;	154;	22Bet Aqr	;	2.90;	5700;occ;	97;	0;	47683
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19;	6478.9;	13-APR-2011	16:08:20;	Dark	;	46.5;	141;	Bet Ara	;	2.84;	4600;occ;	93;	0;	47684
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22;	6948.1;	13-APR-2011	16:16:09;	Dark	;	42.5;	78;	Alp Lup	;	2.30;	28000;occ;	85;	0;	47684
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23; 4894.1; 17-APR-2011 23:16:23; Dark ; 53.0; 61; 8Eps Peg ; 2.10; 3900;occ; 106; 0;47745
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7; 3853.5; 17-APR-2011 09:37:10; Bright; 58.0; 89; 5Alp Cep ; 2.45; 8000;occ; 116; 0;47737
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5;	2565.9;	17-APR-2011	14:16:25;	Bright;	;	55.5;	152;	12Alp2CVn	;	2.89;	11000;occ;	111;	0;47740
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5; 2871.0; 18-APR-2011 13:44:46; Bright; 40.5; 55; 79Zet UMa ; 2.06; 10200;occ; 81; 0;47754
6; 3242.1; 18-APR-2011 13:50:57; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;47754
7; 3850.1; 18-APR-2011 14:01:05; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;47754
8; 4106.6; 18-APR-2011 14:05:21; Bright; 52.0; 144; 18Del Cyg ; 2.86; 11000;occ; 104; 0;47754
9; 4272.4; 18-APR-2011 14:08:07; Bright; 55.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 111; 0;47754
10; 4435.4; 18-APR-2011 14:10:50; Bright; 61.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 123; 0;47754
11; 4898.5; 18-APR-2011 14:18:33; Dark ; 57.0; 61; 8Eps Peg ; 2.10; 3900;occ; 114; 0;47754
12; 5046.5; 18-APR-2011 14:21:01; Dark ; 46.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 93; 0;47754
13; 5213.9; 18-APR-2011 14:23:49; Dark ; 48.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 96; 0;47754
14; 5353.4; 18-APR-2011 14:26:08; Dark ; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;47754
15; 5965.6; 18-APR-2011 14:36:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47754
16; 6241.8; 18-APR-2011 14:40:57; Dark ; 64.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 128; 0;47755
17; 6447.4; 18-APR-2011 14:44:22; Dark ; 65.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 130; 0;47755
18; 6573.8; 18-APR-2011 14:46:29; Dark ; 56.0; 178; Iot1Sco ; 3.02; 6550;occ; 112; 0;47755
19; 6670.1; 18-APR-2011 14:48:05; Dark ; 62.0; 25; 35Lam Sco ; 1.62; 28000;occ; 124; 0;47755
20; 6896.8; 18-APR-2011 14:51:52; Dark ; 66.5; 75; 26Eps Sco ; 2.29; 4250;occ; 133; 0;47755
21; 7021.4; 18-APR-2011 14:53:56; Dark ; 43.0; 109; Bet Lup ; 2.68; 26000;occ; 86; 0;47755
22; 7243.5; 18-APR-2011 14:57:38; Dark ; 62.0; 158; 6Pi Sco ; 2.91; 28000;occ; 124; 0;47755

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2;	2268.2;	18-APR-2011	15:14:57;	Bright;	;	65.0;	111;	8Eta Boo	;	2.68;	6000;occ;	130;	0;	47755
3;	2562.6;	18-APR-2011	15:19:51;	Bright;	;	52.5;	83;		;	2.38;	11000;occ;	105;	0;	47755
4;	2723.4;	18-APR-2011	15:22:32;	Bright;	;	46.0;	180;	27Gam Boo	;	3.04;	8000;occ;	92;	0;	47755
5;	2870.8;	18-APR-2011	15:24:59;	Bright;	;	39.0;	55;	79Zet UMa	;	2.06;	10200;occ;	78;	0;	47755
6;	3241.9;	18-APR-2011	15:31:11;	Bright;	;	38.5;	60;	7Bet UMi	;	2.08;	3950;occ;	77;	0;	47755
7;	3850.1;	18-APR-2011	15:41:19;	Bright;	;	39.0;	89;	5Alp Cep	;	2.45;	8000;occ;	78;	0;	47755
8;	4106.2;	18-APR-2011	15:45:35;	Bright;	;	52.0;	144;	18Del Cyg	;	2.86;	11000;occ;	104;	0;	47755
9;	4272.2;	18-APR-2011	15:48:21;	Bright;	;	57.5;	66;	37Gam Cyg	;	2.21;	5900;occ;	115;	0;	47755
10;	4435.5;	18-APR-2011	15:51:04;	Bright;	;	58.5;	92;	53Eps Cyg	;	2.50;	4500;occ;	117;	0;	47755
11;	4899.1;	18-APR-2011	15:58:48;	Dark	;	51.0;	61;	8Eps Peg	;	2.10;	3900;occ;	102;	0;	47755
12;	5047.0;	18-APR-2011	16:01:16;	Dark	;	46.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	93;	0;	47755
13;	5214.8;	18-APR-2011	16:04:03;	Dark	;	51.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	102;	0;	47755
14;	5354.0;	18-APR-2011	16:06:23;	Dark	;	41.5;	142;	49Del Cap	;	2.85;	8900;occ;	83;	0;	47755
15;	5966.9;	18-APR-2011	16:16:36;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;	47755
16;	6243.7;	18-APR-2011	16:21:12;	Dark	;	66.0;	103;	38Zet Sgr	;	2.60;	9700;occ;	132;	0;	47756
17;	6448.9;	18-APR-2011	16:24:38;	Dark	;	66.0;	38;	20Eps Sgr	;	1.84;	11000;occ;	132;	0;	47756
18;	6575.3;	18-APR-2011	16:26:44;	Dark	;	55.0;	178;	Iot1Sco	;	3.02;	6550;occ;	110;	0;	47756
19;	6671.2;	18-APR-2011	16:28:20;	Dark	;	66.0;	25;	35Lam Sco	;	1.62;	28000;occ;	132;	0;	47756
20;	6897.7;	18-APR-2011	16:32:06;	Dark	;	68.0;	75;	26Eps Sco	;	2.29;	4250;occ;	136;	0;	47756
21;	7021.8;	18-APR-2011	16:34:10;	Dark	;	42.5;	109;	Bet Lup	;	2.68;	26000;occ;	85;	0;	47756
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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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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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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 7; 888.7; 19-APR-2011 00:53:21; Dark ; 68.0; 75; 26Eps Sco ; 2.29; 4250;occ; 136; 0;47761
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 11; 2265.4; 19-APR-2011 01:16:18; Bright; 45.0; 111; 8Eta Boo ; 2.68; 6000;occ; 90; 0;47761
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 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
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 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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 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
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 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
 7; -963.8; 19-APR-2011 03:42:57; Dark ; 47.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 95; 0;47762
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13; 5464.2; 25-APR-2011 13:31:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47854
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17; 6626.8; 28-APR-2011 17:01:10; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;47900
18; 6730.3; 28-APR-2011 17:02:54; Dark ; 54.0; 40; The Sco ; 1.86; 7100;occ; 108; 0;47900
19; 6832.4; 28-APR-2011 17:04:36; Dark ; 62.5; 25; 35Lam Sco ; 1.62; 28000;occ; 125; 0;47900
20; 7025.5; 28-APR-2011 17:07:49; Dark ; 65.0; 75; 26Eps Sco ; 2.29; 4250;occ; 130; 0;47900
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1; 1716.7; 29-APR-2011 08:21:40; Bright; 49.5; 104; 27Bet Lib ; 2.61; 13100;occ; 99; 0;47909
2; 2222.5; 29-APR-2011 08:30:06; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;47909
3; 2449.1; 29-APR-2011 08:33:53; Bright; 47.0; 83; ; 2.38; 11000;occ; 94; 0;47909
4; 2627.9; 29-APR-2011 08:36:51; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;47909
5; 2758.6; 29-APR-2011 08:39:02; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;47909
6; 3201.7; 29-APR-2011 08:46:25; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;47909
7; 3812.6; 29-APR-2011 08:56:36; Bright; 41.0; 89; 5Alp Cep ; 2.45; 8000;occ; 82; 0;47909
8; 4121.7; 29-APR-2011 09:01:45; Bright; 60.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 120; 0;47909
9; 4483.7; 29-APR-2011 09:07:47; Bright; 42.0; 164; 44Eta Peg ; 2.95; 5400;occ; 84; 0;47909
10; 4746.2; 29-APR-2011 09:12:10; Dark ; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;47909
11; 4993.8; 29-APR-2011 09:16:17; Dark ; 62.0; 61; 8Eps Peg ; 2.10; 3900;occ; 124; 0;47909
12; 5140.4; 29-APR-2011 09:18:44; Dark ; 52.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 104; 0;47909
13; 5355.8; 29-APR-2011 09:22:19; Dark ; 61.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 123; 0;47909
14; 5520.9; 29-APR-2011 09:25:04; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;47909
15; 6633.1; 29-APR-2011 09:43:36; Dark ; 54.5; 141; Bet Ara ; 2.84; 4600;occ; 109; 0;47910
16; 6739.2; 29-APR-2011 09:45:23; Dark ; 55.5; 40; The Sco ; 1.86; 7100;occ; 111; 0;47910
17; 6842.0; 29-APR-2011 09:47:05; Dark ; 58.0; 25; 35Lam Sco ; 1.62; 28000;occ; 116; 0;47910
18; 7032.9; 29-APR-2011 09:50:16; Dark ; 60.5; 75; 26Eps Sco ; 2.29; 4250;occ; 121; 0;47910
19; 7260.2; 29-APR-2011 09:54:04; Dark ; 72.5; 16; 21Alp Sco ; 1.02; 3000;occ; 145; 0;47910
20; 7397.8; 29-APR-2011 09:56:21; Dark ; 60.0; 80; 7Del Sco ; 2.32; 30000;occ; 120; 0;47910
21; 7591.2; 29-APR-2011 09:59:35; Bright; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;47910
22; 7730.5; 29-APR-2011 10:01:54; Bright; 48.5; 104; 27Bet Lib ; 2.61; 13100;occ; 97; 0;47910

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