

# GOMOS Daily Report 29-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	02MAY2011 07:05:37
Data source version	GOMOS/5.01
Start time of products	29APR2011 00:00:30
Stop time of products	29APR2011 23:58:39
Store outputs in DB	Yes
Nb of level 1b prods	287
Nb of prods with errors	2

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

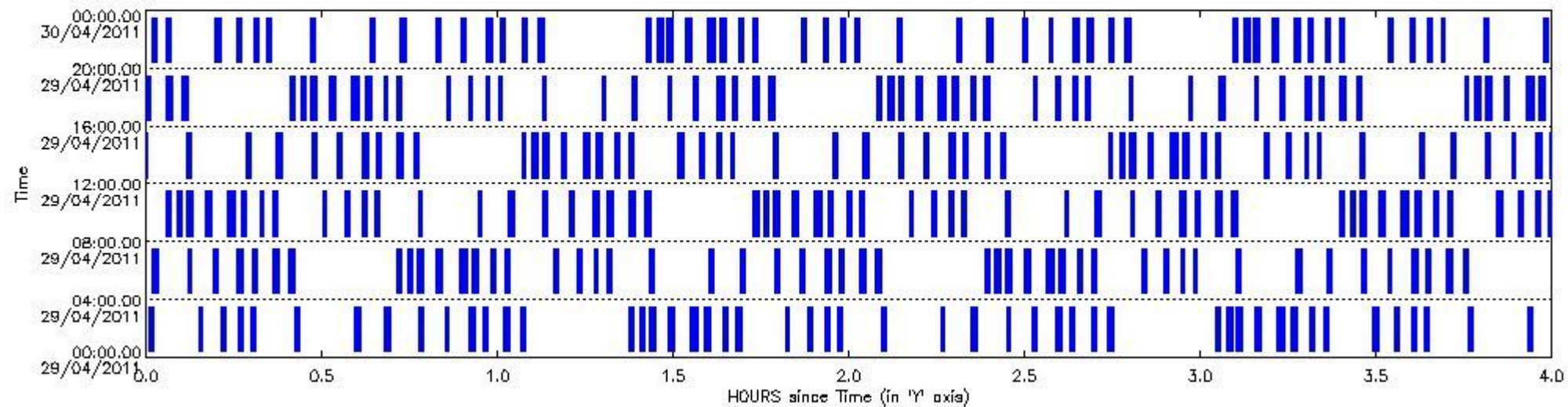
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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_1PNPDE20110429_000030_000000513102_00045_47904_9008.N1	29-APR-2011 00:00:30	Bright	51.000	104	27Bet Lib	2.6140	13100.	102	47904	No
2	GOM_TRA_1PNPDE20110429_000857_000000393102_00045_47904_9009.N1	29-APR-2011 00:08:57	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	47904	No
3	GOM_TRA_1PNPDE20110429_001245_000000473102_00045_47904_9010.N1	29-APR-2011 00:12:45	Bright	47.000	83		2.3780	11000.	94	47904	No
4	GOM_TRA_1PNPDE20110429_001544_000000413102_00045_47904_9011.N1	29-APR-2011 00:15:44	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	47904	No
5	GOM_TRA_1PNPDE20110429_001753_000000393102_00045_47904_9012.N1	29-APR-2011 00:17:53	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	47904	No
6	GOM_TRA_1PNPDE20110429_002518_000000473102_00045_47904_9013.N1	29-APR-2011 00:25:18	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	47904	No
7	GOM_TRA_1PNPDE20110429_003527_000000613102_00045_47904_9014.N1	29-APR-2011 00:35:27	Bright	61.000	89	5Alp Cep	2.4510	8000.0	122	47904	No
8	GOM_TRA_1PNPDE20110429_004037_000000573102_00045_47904_9015.N1	29-APR-2011 00:40:37	Bright	57.000	19	50Alp Cyg	1.2460	10500.	114	47904	No
9	GOM_TRA_1PNPDE20110429_004636_000000443102_00045_47904_9016.N1	29-APR-2011 00:46:36	Bright	43.500	164	44Eta Peg	2.9480	5400.0	87	47904	No
10	GOM_TRA_1PNPDE20110429_005058_000000423102_00045_47904_9017.N1	29-APR-2011 00:50:58	Twilight	42.000	90	54Alp Peg	2.4870	11000.	84	47904	No
11	GOM_TRA_1PNPDE20110429_005503_000000643102_00045_47904_9018.N1	29-APR-2011 00:55:03	Dark	64.000	61	8Eps Peg	2.1000	3900.0	128	47904	No
12	GOM_TRA_1PNPDE20110429_005730_000000513102_00045_47904_9019.N1	29-APR-2011 00:57:30	Dark	51.000	162	34Alp Aqr	2.9440	5350.0	102	47904	No

13	GOM_TRA_1PNPDE20110429_010103_000000603102_00045_47904_9044.N1	29-APR-2011 01:01:03	Dark	59.500	154	22Bet Aqr	2.8990	5700.0	119	47904	No
14	GOM_TRA_1PNPDE20110429_012223_000000523102_00046_47905_9045.N1	29-APR-2011 01:22:23	Straylight	51.500	141	Bet Ara	2.8400	4600.0	103	47905	No
15	GOM_TRA_1PNPDE20110429_012408_000000563102_00046_47905_9046.N1	29-APR-2011 01:24:08	Straylight	56.000	40	The Sco	1.8590	7100.0	112	47905	No
16	GOM_TRA_1PNPDE20110429_012551_000000623102_00046_47905_9047.N1	29-APR-2011 01:25:51	Straylight	62.000	25	35Lam Sco	1.6200	28000.	124	47905	No
17	GOM_TRA_1PNPDE20110429_012903_000000663102_00046_47905_9048.N1	29-APR-2011 01:29:03	Straylight	65.500	75	26Eps Sco	2.2910	4250.0	131	47905	No
18	GOM_TRA_1PNPDE20110429_013251_000000823102_00046_47905_9049.N1	29-APR-2011 01:32:51	Tw_i_and_stray	81.500	16	21Alp Sco	1.0200	3000.0	163	47905	No
19	GOM_TRA_1PNPDE20110429_013509_000000643102_00046_47905_9050.N1	29-APR-2011 01:35:09	Tw_i_and_stray	63.500	80	7Del Sco	2.3160	30000.	127	47905	No
20	GOM_TRA_1PNPDE20110429_013824_000000543102_00046_47905_9051.N1	29-APR-2011 01:38:24	Bright	54.000	122	9Alp2Lib	2.7470	9700.0	108	47905	No
21	GOM_TRA_1PNPDE20110429_014044_000000503102_00046_47905_9052.N1	29-APR-2011 01:40:44	Bright	50.000	104	27Bet Lib	2.6140	13100.	100	47905	No
22	GOM_TRA_1PNPDE20110429_014911_000000413102_00046_47905_9053.N1	29-APR-2011 01:49:11	Bright	40.500	111	8Eta Boo	2.6800	6000.0	81	47905	No
23	GOM_TRA_1PNPDE20110429_015259_000000453102_00046_47905_9054.N1	29-APR-2011 01:52:59	Bright	44.500	83		2.3780	11000.	89	47905	No
24	GOM_TRA_1PNPDE20110429_015557_000000413102_00046_47905_9055.N1	29-APR-2011 01:55:57	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	47905	No
25	GOM_TRA_1PNPDE20110429_015807_000000383102_00046_47905_9056.N1	29-APR-2011 01:58:07	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	47905	No
26	GOM_TRA_1PNPDE20110429_020532_000000463102_00046_47905_9057.N1	29-APR-2011 02:05:32	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	47905	No
27	GOM_TRA_1PNPDE20110429_021541_000000423102_00046_47905_9058.N1	29-APR-2011 02:15:41	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	47905	No
28	GOM_TRA_1PNPDE20110429_022050_000000593102_00046_47905_9059.N1	29-APR-2011 02:20:50	Bright	58.500	19	50Alp Cyg	1.2460	10500.	117	47905	No
29	GOM_TRA_1PNPDE20110429_022650_000000443102_00046_47905_9060.N1	29-APR-2011 02:26:50	Bright	43.500	164	44Eta Peg	2.9480	5400.0	87	47905	No
30	GOM_TRA_1PNPDE20110429_023112_000000453102_00046_47905_9061.N1	29-APR-2011 02:31:12	Twilight	44.500	90	54Alp Peg	2.4870	11000.	89	47905	No
31	GOM_TRA_1PNPDE20110429_023518_000000623102_00046_47905_9062.N1	29-APR-2011 02:35:18	Dark	61.500	61	8Eps Peg	2.1000	3900.0	123	47905	No
32	GOM_TRA_1PNPDE20110429_023745_000000503102_00046_47905_9063.N1	29-APR-2011 02:37:45	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	47905	No
33	GOM_TRA_1PNPDE20110429_024119_000000613102_00046_47905_9064.N1	29-APR-2011 02:41:19	Dark	61.000	154	22Bet Aqr	2.8990	5700.0	122	47905	No
34	GOM_TRA_1PNPDE20110429_030238_000000483102_00047_47906_9065.N1	29-APR-2011 03:02:38	Straylight	48.000	141	Bet Ara	2.8400	4600.0	96	47906	No
35	GOM_TRA_1PNPDE20110429_030423_000000643102_00047_47906_9066.N1	29-APR-2011 03:04:23	Straylight	64.000	40	The Sco	1.8590	7100.0	128	47906	No
36	GOM_TRA_1PNPDE20110429_030606_000000623102_00047_47906_9067.N1	29-APR-2011 03:06:06	Straylight	62.000	25	35Lam Sco	1.6200	28000.	124	47906	No
37	GOM_TRA_1PNPDE20110429_030917_000000603102_00047_47906_9068.N1	29-APR-2011 03:09:17	Straylight	59.500	75	26Eps Sco	2.2910	4250.0	119	47906	No
38	GOM_TRA_1PNPDE20110429_031305_000000723102_00047_47906_9069.N1	29-APR-2011 03:13:05	Tw_i_and_stray	71.500	16	21Alp Sco	1.0200	3000.0	143	47906	No
39	GOM_TRA_1PNPDE20110429_031524_000000643102_00047_47906_9070.N1	29-APR-2011 03:15:24	Tw_i_and_stray	63.500	80	7Del Sco	2.3160	30000.	127	47906	No
40	GOM_TRA_1PNPDE20110429_031838_000000453102_00047_47906_9071.N1	29-APR-2011 03:18:38	Bright	44.500	122	9Alp2Lib	2.7470	9700.0	89	47906	No
41	GOM_TRA_1PNPDE20110429_032058_000000503102_00047_47906_9072.N1	29-APR-2011 03:20:58	Bright	49.500	104	27Bet Lib	2.6140	13100.	99	47906	No
42	GOM_TRA_1PNPDE20110429_032924_000000573102_00047_47906_9073.N1	29-APR-2011 03:29:24	Bright	57.000	111	8Eta Boo	2.6800	6000.0	114	47906	No
43	GOM_TRA_1PNPDE20110429_033312_000000463102_00047_47906_9074.N1	29-APR-2011 03:33:12	Bright	46.000	83		2.3780	11000.	92	47906	No
44	GOM_TRA_1PNPDE20110429_033611_000000423102_00047_47906_9075.N1	29-APR-2011 03:36:11	Bright	41.500	180	27Gam Boo	3.0400	8000.0	83	47906	No
45	GOM_TRA_1PNPDE20110429_033821_000000403102_00047_47906_9076.N1	29-APR-2011 03:38:21	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	47906	No
46	GOM_TRA_1PNPDE20110429_034545_000000453102_00047_47906_9077.N1	29-APR-2011 03:45:45	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	47906	No
47	GOM_TRA_1PNPDE20110429_035555_000000423102_00047_47906_9069.N1	29-APR-2011 03:55:55	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	47906	No
48	GOM_TRA_1PNPDE20110429_040104_000000583102_00047_47906_9070.N1	29-APR-2011 04:01:04	Bright	57.500	19	50Alp Cyg	1.2460	10500.	115	47906	No
49	GOM_TRA_1PNPDE20110429_040705_000000433102_00047_47906_9071.N1	29-APR-2011 04:07:05	Bright	42.500	164	44Eta Peg	2.9480	5400.0	85	47906	No
50	GOM_TRA_1PNPDE20110429_041127_000000433102_00047_47906_9072.N1	29-APR-2011 04:11:27	Twilight	42.500	90	54Alp Peg	2.4870	11000.	85	47906	No
51	GOM_TRA_1PNPDE20110429_041533_000000653102_00047_47906_9073.N1	29-APR-2011 04:15:33	Dark	65.000	61	8Eps Peg	2.1000	3900.0	130	47906	No
52	GOM_TRA_1PNPDE20110429_041800_000000523102_00047_47906_9074.N1	29-APR-2011 04:18:00	Dark	51.500	162	34Alp Aqr	2.9440	5350.0	103	47906	No
53	GOM_TRA_1PNPDE20110429_042134_000000603102_00047_47906_9075.N1	29-APR-2011 04:21:34	Dark	60.000	154	22Bet Aqr	2.8990	5700.0	120	47906	No
54	GOM_TRA_1PNPDE20110429_044253_000000463102_00048_47907_9076.N1	29-APR-2011 04:42:53	Straylight	46.000	141	Bet Ara	2.8400	4600.0	92	47907	No
55	GOM_TRA_1PNPDE20110429_044438_000000553102_00048_47907_9077.N1	29-APR-2011 04:44:38	Straylight	55.000	40	The Sco	1.8590	7100.0	110	47907	No
56	GOM_TRA_1PNPDE20110429_044621_000000613102_00048_47907_9078.N1	29-APR-2011 04:46:21	Straylight	61.000	25	35Lam Sco	1.6200	28000.	122	47907	No
57	GOM_TRA_1PNPDE20110429_044932_000000603102_00048_47907_9079.N1	29-APR-2011 04:49:32	Straylight	59.500	75	26Eps Sco	2.2910	4250.0	119	47907	No
58	GOM_TRA_1PNPDE20110429_045320_000000833102_00048_47907_9080.N1	29-APR-2011 04:53:20	Tw_i_and_stray	83.000	16	21Alp Sco	1.0200	3000.0	166	47907	No
59	GOM_TRA_1PNPDE20110429_045538_000000653102_00048_47907_9081.N1	29-APR-2011 04:55:38	Tw_i_and_stray	64.500	80	7Del Sco	2.3160	30000.	129	47907	No
60	GOM_TRA_1PNPDE20110429_045852_000000473102_00048_47907_9082.N1	29-APR-2011 04:58:52	Bright	47.000	122	9Alp2Lib	2.7470	9700.0	94	47907	No
61	GOM_TRA_1PNPDE20110429_050112_000000503102_00048_47907_9083.N1	29-APR-2011 05:01:12	Bright	50.000	104	27Bet Lib	2.6140	13100.	100	47907	No
62	GOM_TRA_1PNPDE20110429_050938_000000393102_00048_47907_9084.N1	29-APR-2011 05:09:38	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	47907	No
63	GOM_TRA_1PNPDE20110429_051325_000000493102_00048_47907_9085.N1	29-APR-2011 05:13:25	Bright	49.000	83		2.3780	11000.	98	47907	No
64	GOM_TRA_1PNPDE20110429_051625_000000423102_00048_47907_9086.N1	29-APR-2011 05:16:25	Bright	41.500	180	27Gam Boo	3.0400	8000.0	83	47907	No
65	GOM_TRA_1PNPDE20110429_051834_000000563102_00048_47907_9087.N1	29-APR-2011 05:18:34	Bright	56.000	39	85Eta UMa	1.8540	24000.	112	47907	No
66	GOM_TRA_1PNPDE20110429_052558_000000453102_00048_47907_9088.N1	29-APR-2011 05:25:58	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	47907	No
67	GOM_TRA_1PNPDE20110429_053608_000000423102_00048_47907_9101.N1	29-APR-2011 05:36:08	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	47907	No
68	GOM_TRA_1PNPDE20110429_054118_000000603102_00048_47907_9102.N1	29-APR-2011 05:41:18	Bright	59.500	19	50Alp Cyg	1.2460	10500.	119	47907	No
69	GOM_TRA_1PNPDE20110429_054719_000000423102_00048_47907_9103.N1	29-APR-2011 05:47:19	Bright	41.500	164	44Eta Peg	2.9480	5400.0	83	47907	No
70	GOM_TRA_1PNPDE20110429_055141_000000453102_00048_47907_9104.N1	29-APR-2011 05:51:41	Twilight	44.500	90	54Alp Peg	2.4870	11000.	89	47907	No
71	GOM_TRA_1PNPDE20110429_055548_000000653102_00048_47907_9105.N1	29-APR-2011 05:55:48	Dark	65.000	61	8Eps Peg	2.1000	3900.0	130	47907	No



72	GOM_TRA_1PNPDE20110429_055814_000000563102_00048_47907_9106.N1	29-APR-2011 05:58:14	Dark	56.000	162	34Alp Aqr	2.9440	5350.0	112	47907	No
73	GOM_TRA_1PNPDE20110429_060149_000000603102_00048_47907_9107.N1	29-APR-2011 06:01:49	Dark	59.500	154	22Bet Aqr	2.8990	5700.0	119	47907	No
74	GOM_TRA_1PNPDE20110429_062307_000000473102_00049_47908_9108.N1	29-APR-2011 06:23:07	Straylight	47.000	141	Bet Ara	2.8400	4600.0	94	47908	No
75	GOM_TRA_1PNPDE20110429_062453_000000603102_00049_47908_9109.N1	29-APR-2011 06:24:53	Straylight	60.000	40	The Sco	1.8590	7100.0	120	47908	No
76	GOM_TRA_1PNPDE20110429_062636_000000633102_00049_47908_9110.N1	29-APR-2011 06:26:36	Straylight	62.500	25	35Lam Sco	1.6200	28000.	125	47908	No
77	GOM_TRA_1PNPDE20110429_062947_000000643102_00049_47908_9111.N1	29-APR-2011 06:29:47	Straylight	64.000	75	26Eps Sco	2.2910	4250.0	128	47908	No
78	GOM_TRA_1PNPDE20110429_063335_000000783102_00049_47908_9112.N1	29-APR-2011 06:33:35	Twl_and_stray	77.500	16	21Alp Sco	1.0200	3000.0	155	47908	No
79	GOM_TRA_1PNPDE20110429_063553_000000623102_00049_47908_9113.N1	29-APR-2011 06:35:53	Twl_and_stray	61.500	80	7Del Sco	2.3160	30000.	123	47908	No
80	GOM_TRA_1PNPDE20110429_063907_000000453102_00049_47908_9114.N1	29-APR-2011 06:39:07	Bright	45.000	122	9Alp2Lib	2.7470	9700.0	90	47908	No
81	GOM_TRA_1PNPDE20110429_064126_000000503102_00049_47908_9115.N1	29-APR-2011 06:41:26	Bright	50.000	104	27Bet Lib	2.6140	13100.	100	47908	No
82	GOM_TRA_1PNPDE20110429_064952_000000573102_00049_47908_9116.N1	29-APR-2011 06:49:52	Bright	57.000	111	8Eta Boo	2.6800	6000.0	114	47908	No
83	GOM_TRA_1PNPDE20110429_065339_000000483102_00049_47908_9117.N1	29-APR-2011 06:53:39	Bright	48.000	83		2.3780	11000.	96	47908	No
84	GOM_TRA_1PNPDE20110429_065638_000000413102_00049_47908_9118.N1	29-APR-2011 06:56:38	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	47908	No
85	GOM_TRA_1PNPDE20110429_065848_000000373102_00049_47908_9119.N1	29-APR-2011 06:58:48	Bright	36.500	39	85Eta UMa	1.8540	24000.	73	47908	No
86	GOM_TRA_1PNPDE20110429_070612_000000453102_00049_47908_9120.N1	29-APR-2011 07:06:12	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	47908	No
87	GOM_TRA_1PNPDK20110429_071622_000000523102_00049_47908_0231.N1	29-APR-2011 07:16:22	Bright	51.500	89	5Alp Cep	2.4510	8000.0	103	47908	No
88	GOM_TRA_1PNPDK20110429_072132_000000593102_00049_47908_0232.N1	29-APR-2011 07:21:32	Bright	58.500	19	50Alp Cyg	1.2460	10500.	117	47908	No
89	GOM_TRA_1PNPDK20110429_072733_000000403102_00049_47908_0233.N1	29-APR-2011 07:27:33	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	47908	No
90	GOM_TRA_1PNPDK20110429_073155_000000433102_00049_47908_0234.N1	29-APR-2011 07:31:55	Twilight	43.000	90	54Alp Peg	2.4870	11000.	86	47908	No
91	GOM_TRA_1PNPDK20110429_073602_000000653102_00049_47908_0235.N1	29-APR-2011 07:36:02	Dark	65.000	61	8Eps Peg	2.1000	3900.0	130	47908	No
92	GOM_TRA_1PNPDK20110429_073829_000000543102_00049_47908_0236.N1	29-APR-2011 07:38:29	Dark	53.500	162	34Alp Aqr	2.9440	5350.0	107	47908	No
93	GOM_TRA_1PNPDK20110429_074204_000000603102_00049_47908_0237.N1	29-APR-2011 07:42:04	Dark	59.500	154	22Bet Aqr	2.8990	5700.0	119	47908	No
94	GOM_TRA_1PNPDK20110429_080322_000000453102_00050_47909_0238.N1	29-APR-2011 08:03:22	Straylight	44.500	141	Bet Ara	2.8400	4600.0	89	47909	No
95	GOM_TRA_1PNPDK20110429_080508_000000563102_00050_47909_0239.N1	29-APR-2011 08:05:08	Straylight	55.500	40	The Sco	1.8590	7100.0	111	47909	No
96	GOM_TRA_1PNPDK20110429_080651_000000623102_00050_47909_0240.N1	29-APR-2011 08:06:51	Straylight	62.000	25	35Lam Sco	1.6200	28000.	124	47909	No
97	GOM_TRA_1PNPDK20110429_081002_000000613102_00050_47909_0241.N1	29-APR-2011 08:10:02	Straylight	60.500	75	26Eps Sco	2.2910	4250.0	121	47909	No
98	GOM_TRA_1PNPDK20110429_081349_000000763102_00050_47909_0242.N1	29-APR-2011 08:13:49	Twl_and_stray	75.500	16	21Alp Sco	1.0200	3000.0	151	47909	No
99	GOM_TRA_1PNPDK20110429_081607_000000633102_00050_47909_0243.N1	29-APR-2011 08:16:07	Twl_and_stray	62.500	80	7Del Sco	2.3160	30000.	125	47909	No
100	GOM_TRA_1PNPDK20110429_081920_000000473102_00050_47909_0244.N1	29-APR-2011 08:19:20	Bright	46.500	122	9Alp2Lib	2.7470	9700.0	93	47909	No
101	GOM_TRA_1PNPDK20110429_082140_000000503102_00050_47909_0264.N1	29-APR-2011 08:21:40	Bright	49.500	104	27Bet Lib	2.6140	13100.	99	47909	No
102	GOM_TRA_1PNPDK20110429_083006_000000403102_00050_47909_0265.N1	29-APR-2011 08:30:06	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	47909	No
103	GOM_TRA_1PNPDK20110429_083353_000000473102_00050_47909_0266.N1	29-APR-2011 08:33:53	Bright	47.000	83		2.3780	11000.	94	47909	No
104	GOM_TRA_1PNPDK20110429_083651_000000433102_00050_47909_0267.N1	29-APR-2011 08:36:51	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	47909	No
105	GOM_TRA_1PNPDK20110429_083902_000000403102_00050_47909_0268.N1	29-APR-2011 08:39:02	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	47909	No
106	GOM_TRA_1PNPDK20110429_084625_000000453102_00050_47909_0269.N1	29-APR-2011 08:46:25	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	47909	No
107	GOM_TRA_1PNPDK20110429_085636_000000413102_00050_47909_0270.N1	29-APR-2011 08:56:36	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	47909	No
108	GOM_TRA_1PNPDK20110429_090145_000000603102_00050_47909_0271.N1	29-APR-2011 09:01:45	Bright	60.000	19	50Alp Cyg	1.2460	10500.	120	47909	No
109	GOM_TRA_1PNPDK20110429_090747_000000423102_00050_47909_0272.N1	29-APR-2011 09:07:47	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	47909	No
110	GOM_TRA_1PNPDK20110429_091210_000000463102_00050_47909_0273.N1	29-APR-2011 09:12:10	Twilight	46.000	90	54Alp Peg	2.4870	11000.	92	47909	No
111	GOM_TRA_1PNPDK20110429_091617_000000623102_00050_47909_0274.N1	29-APR-2011 09:16:17	Dark	62.000	61	8Eps Peg	2.1000	3900.0	124	47909	No
112	GOM_TRA_1PNPDK20110429_091844_000000523102_00050_47909_0275.N1	29-APR-2011 09:18:44	Dark	52.000	162	34Alp Aqr	2.9440	5350.0	104	47909	No
113	GOM_TRA_1PNPDK20110429_092219_000000623102_00050_47909_0276.N1	29-APR-2011 09:22:19	Dark	61.500	154	22Bet Aqr	2.8990	5700.0	123	47909	No
114	GOM_TRA_1PNPDK20110429_094336_000000553102_00051_47910_0277.N1	29-APR-2011 09:43:36	Straylight	54.500	141	Bet Ara	2.8400	4600.0	109	47910	No
115	GOM_TRA_1PNPDK20110429_094523_000000563102_00051_47910_0278.N1	29-APR-2011 09:45:23	Straylight	55.500	40	The Sco	1.8590	7100.0	111	47910	No
116	GOM_TRA_1PNPDK20110429_094705_000000583102_00051_47910_0279.N1	29-APR-2011 09:47:05	Straylight	58.000	25	35Lam Sco	1.6200	28000.	116	47910	No
117	GOM_TRA_1PNPDK20110429_095016_000000613102_00051_47910_0280.N1	29-APR-2011 09:50:16	Straylight	60.500	75	26Eps Sco	2.2910	4250.0	121	47910	No
118	GOM_TRA_1PNPDK20110429_095404_000000733102_00051_47910_0281.N1	29-APR-2011 09:54:04	Twl_and_stray	72.500	16	21Alp Sco	1.0200	3000.0	145	47910	No
119	GOM_TRA_1PNPDK20110429_095621_000000603102_00051_47910_0282.N1	29-APR-2011 09:56:21	Twl_and_stray	60.000	80	7Del Sco	2.3160	30000.	120	47910	No
120	GOM_TRA_1PNPDK20110429_095935_000000463102_00051_47910_0283.N1	29-APR-2011 09:59:35	Bright	45.500	122	9Alp2Lib	2.7470	9700.0	91	47910	No
121	GOM_TRA_1PNPDK20110429_100154_000000493102_00051_47910_0284.N1	29-APR-2011 10:01:54	Bright	48.500	104	27Bet Lib	2.6140	13100.	97	47910	No
122	GOM_TRA_1PNPDK20110429_101020_000000383102_00051_47910_0297.N1	29-APR-2011 10:10:20	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	47910	No
123	GOM_TRA_1PNPDK20110429_101406_000000483102_00051_47910_0298.N1	29-APR-2011 10:14:06	Bright	48.000	83		2.3780	11000.	96	47910	No
124	GOM_TRA_1PNPDK20110429_101705_000000473102_00051_47910_0299.N1	29-APR-2011 10:17:05	Bright	46.500	180	27Gam Boo	3.0400	8000.0	93	47910	No
125	GOM_TRA_1PNPDK20110429_101916_000000383102_00051_47910_0300.N1	29-APR-2011 10:19:16	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	47910	No
126	GOM_TRA_1PNPDK20110429_102638_000000473102_00051_47910_0301.N1	29-APR-2011 10:26:38	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	47910	No
127	GOM_TRA_1PNPDK20110429_103650_000000433102_00051_47910_0302.N1	29-APR-2011 10:36:50	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	47910	No
128	GOM_TRA_1PNPDK20110429_104159_000000593102_00051_47910_0303.N1	29-APR-2011 10:41:59	Bright	59.000	19	50Alp Cyg	1.2460	10500.	118	47910	No
129	GOM_TRA_1PNPDK20110429_104801_000000473102_00051_47910_0304.N1	29-APR-2011 10:48:01	Bright	46.500	164	44Eta Peg	2.9480	5400.0	93	47910	No
130	GOM_TRA_1PNPDK20110429_105224_000000473102_00051_47910_0305.N1	29-APR-2011 10:52:24	Twilight	47.000	90	54Alp Peg	2.4870	11000.	94	47910	No

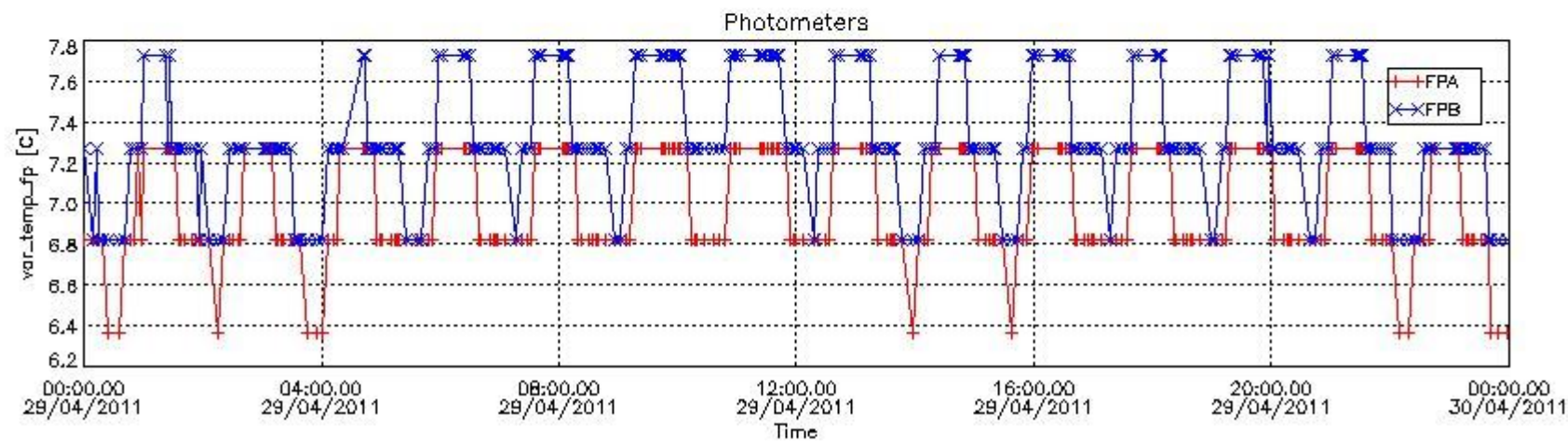
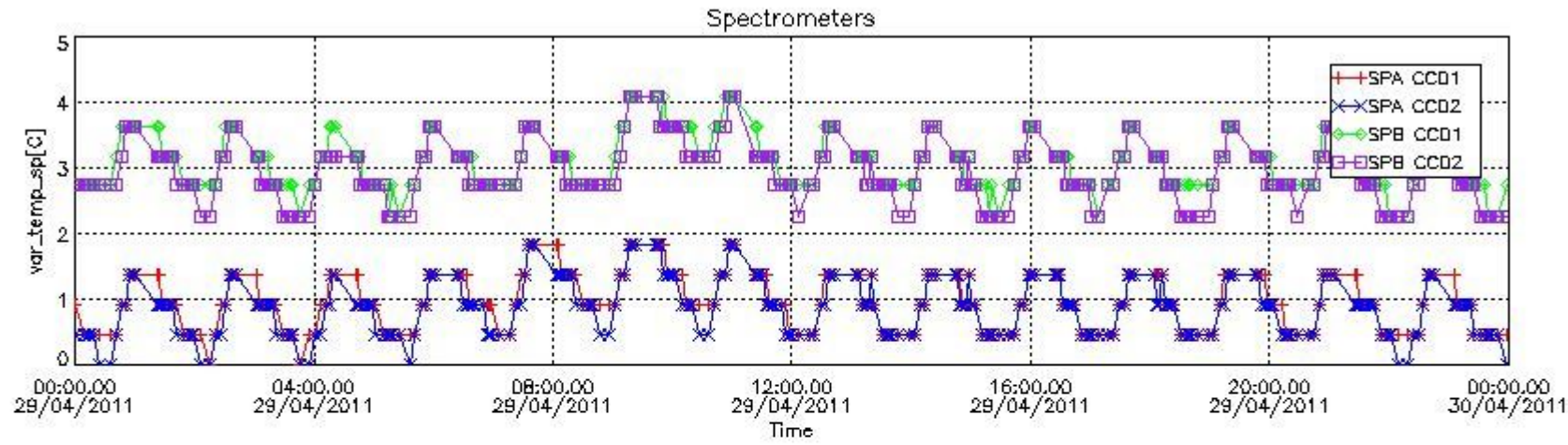
131	GOM_TRA_1PNPDK20110429_105632_000000593102_00051_47910_0306.N1	29-APR-2011 10:56:32	Dark	59.000	61	8Eps Peg	2.1000	3900.0	118	47910	No
132	GOM_TRA_1PNPDK20110429_105859_000000543102_00051_47910_0307.N1	29-APR-2011 10:58:59	Dark	53.500	162	34Alp Aqr	2.9440	5350.0	107	47910	No
133	GOM_TRA_1PNPDK20110429_110234_000000623102_00051_47910_0308.N1	29-APR-2011 11:02:34	Dark	61.500	154	22Bet Aqr	2.8990	5700.0	123	47910	No
134	GOM_TRA_1PNPDK20110429_112351_000000443102_00052_47911_0309.N1	29-APR-2011 11:23:51	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	47911	No
135	GOM_TRA_1PNPDK20110429_112537_000000563102_00052_47911_0310.N1	29-APR-2011 11:25:37	Straylight	56.000	40	The Sco	1.8590	7100.0	112	47911	No
136	GOM_TRA_1PNPDK20110429_112721_000000593102_00052_47911_0311.N1	29-APR-2011 11:27:21	Straylight	58.500	25	35Lam Sco	1.6200	28000.	117	47911	No
137	GOM_TRA_1PNPDK20110429_113031_000000613102_00052_47911_0312.N1	29-APR-2011 11:30:31	Straylight	60.500	75	26Eps Sco	2.2910	4250.0	121	47911	No
138	GOM_TRA_1PNPDK20110429_113418_000000813102_00052_47911_0313.N1	29-APR-2011 11:34:18	Tw_i_and_stray	80.500	16	21Alp Sco	1.0200	3000.0	161	47911	No
139	GOM_TRA_1PNPDK20110429_113636_000000633102_00052_47911_0314.N1	29-APR-2011 11:36:36	Tw_i_and_stray	63.000	80	7Del Sco	2.3160	30000.	126	47911	No
140	GOM_TRA_1PNPDK20110429_113949_000000463102_00052_47911_0315.N1	29-APR-2011 11:39:49	Bright	45.500	122	9Alp2Lib	2.7470	9700.0	91	47911	No
141	GOM_TRA_1PNPDK20110429_114208_000000503102_00052_47911_0333.N1	29-APR-2011 11:42:08	Bright	49.500	104	27Bet Lib	2.6140	13100.	99	47911	No
142	GOM_TRA_1PNPDK20110429_115034_000000573102_00052_47911_0334.N1	29-APR-2011 11:50:34	Bright	57.000	111	8Eta Boo	2.6800	6000.0	114	47911	No
143	GOM_TRA_1PNPDK20110429_115419_000000453102_00052_47911_0335.N1	29-APR-2011 11:54:19	Bright	45.000	83		2.3780	11000.	90	47911	No
144	GOM_TRA_1PNPDK20110429_115718_000000423102_00052_47911_0336.N1	29-APR-2011 11:57:18	Bright	41.500	180	27Gam Boo	3.0400	8000.0	83	47911	No
145	GOM_TRA_1PNPDK20110429_115929_000000373102_00052_47911_0337.N1	29-APR-2011 11:59:29	Bright	37.000	39	85Eta UMa	1.8540	24000.	74	47911	No
146	GOM_TRA_1PNPDK20110429_120652_000000443102_00052_47911_0338.N1	29-APR-2011 12:06:52	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	47911	No
147	GOM_TRA_1PNPDK20110429_121703_000000433102_00052_47911_0339.N1	29-APR-2011 12:17:03	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	47911	No
148	GOM_TRA_1PNPDK20110429_122212_000000603102_00052_47911_0340.N1	29-APR-2011 12:22:12	Bright	60.000	19	50Alp Cyg	1.2460	10500.	120	47911	No
149	GOM_TRA_1PNPDK20110429_122815_000000463102_00052_47911_0341.N1	29-APR-2011 12:28:15	Bright	46.000	164	44Eta Peg	2.9480	5400.0	92	47911	No
150	GOM_TRA_1PNPDK20110429_123238_000000443102_00052_47911_0342.N1	29-APR-2011 12:32:38	Twilight	44.000	90	54Alp Peg	2.4870	11000.	88	47911	No
151	GOM_TRA_1PNPDK20110429_123647_000000673102_00052_47911_0343.N1	29-APR-2011 12:36:47	Dark	67.000	61	8Eps Peg	2.1000	3900.0	134	47911	No
152	GOM_TRA_1PNPDK20110429_123913_000000533102_00052_47911_0344.N1	29-APR-2011 12:39:13	Dark	53.000	162	34Alp Aqr	2.9440	5350.0	106	47911	No
153	GOM_TRA_1PNPDK20110429_124249_000000613102_00052_47911_0345.N1	29-APR-2011 12:42:49	Dark	61.000	154	22Bet Aqr	2.8990	5700.0	122	47911	No
154	GOM_TRA_1PNPDK20110429_130406_000000423102_00053_47912_0346.N1	29-APR-2011 13:04:06	Straylight	41.500	141	Bet Ara	2.8400	4600.0	83	47912	No
155	GOM_TRA_1PNPDK20110429_130552_000000563102_00053_47912_0347.N1	29-APR-2011 13:05:52	Straylight	56.000	40	The Sco	1.8590	7100.0	112	47912	No
156	GOM_TRA_1PNPDK20110429_130735_000000623102_00053_47912_0348.N1	29-APR-2011 13:07:35	Straylight	61.500	25	35Lam Sco	1.6200	28000.	123	47912	No
157	GOM_TRA_1PNPDK20110429_131046_000000633102_00053_47912_0349.N1	29-APR-2011 13:10:46	Straylight	62.500	75	26Eps Sco	2.2910	4250.0	125	47912	No
158	GOM_TRA_1PNPDK20110429_131433_000000713102_00053_47912_0350.N1	29-APR-2011 13:14:33	Tw_i_and_stray	70.500	16	21Alp Sco	1.0200	3000.0	141	47912	No
159	GOM_TRA_1PNPDK20110429_131650_000000643102_00053_47912_0351.N1	29-APR-2011 13:16:50	Tw_i_and_stray	63.500	80	7Del Sco	2.3160	30000.	127	47912	No
160	GOM_TRA_1PNPDK20110429_132003_000000463102_00053_47912_0371.N1	29-APR-2011 13:20:03	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	47912	Yes
161	GOM_TRA_1PNPDK20110429_132221_000000513102_00053_47912_0372.N1	29-APR-2011 13:22:21	Bright	50.500	104	27Bet Lib	2.6140	13100.	101	47912	No
162	GOM_TRA_1PNPDK20110429_133047_000000573102_00053_47912_0373.N1	29-APR-2011 13:30:47	Bright	57.000	111	8Eta Boo	2.6800	6000.0	114	47912	No
163	GOM_TRA_1PNPDK20110429_133433_000000443102_00053_47912_0374.N1	29-APR-2011 13:34:33	Bright	44.000	83		2.3780	11000.	88	47912	No
164	GOM_TRA_1PNPDK20110429_133732_000000413102_00053_47912_0375.N1	29-APR-2011 13:37:32	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	47912	No
165	GOM_TRA_1PNPDK20110429_133943_000000403102_00053_47912_0376.N1	29-APR-2011 13:39:43	Bright	40.000	39	85Eta UMa	1.8540	24000.	80	47912	No
166	GOM_TRA_1PNPDK20110429_134705_000000443102_00053_47912_0377.N1	29-APR-2011 13:47:05	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	47912	No
167	GOM_TRA_1PNPDK20110429_135717_000000413102_00053_47912_0378.N1	29-APR-2011 13:57:17	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	47912	No
168	GOM_TRA_1PNPDK20110429_140226_000000613102_00053_47912_0379.N1	29-APR-2011 14:02:26	Bright	60.500	19	50Alp Cyg	1.2460	10500.	121	47912	No
169	GOM_TRA_1PNPDK20110429_140829_000000443102_00053_47912_0380.N1	29-APR-2011 14:08:29	Bright	44.000	164	44Eta Peg	2.9480	5400.0	88	47912	No
170	GOM_TRA_1PNPDK20110429_141252_000000453102_00053_47912_0381.N1	29-APR-2011 14:12:52	Twilight	45.000	90	54Alp Peg	2.4870	11000.	90	47912	No
171	GOM_TRA_1PNPDK20110429_141701_000000593102_00053_47912_0382.N1	29-APR-2011 14:17:01	Dark	59.000	61	8Eps Peg	2.1000	3900.0	118	47912	No
172	GOM_TRA_1PNPDK20110429_141928_000000503102_00053_47912_0383.N1	29-APR-2011 14:19:28	Dark	49.500	162	34Alp Aqr	2.9440	5350.0	99	47912	No
173	GOM_TRA_1PNPDK20110429_142304_000000603102_00053_47912_0384.N1	29-APR-2011 14:23:04	Dark	60.000	154	22Bet Aqr	2.8990	5700.0	120	47912	No
174	GOM_TRA_1PNPDK20110429_144420_000000423102_00054_47913_0385.N1	29-APR-2011 14:44:20	Straylight	41.500	141	Bet Ara	2.8400	4600.0	83	47913	No
175	GOM_TRA_1PNPDK20110429_144607_000000563102_00054_47913_0386.N1	29-APR-2011 14:46:07	Straylight	56.000	40	The Sco	1.8590	7100.0	112	47913	No
176	GOM_TRA_1PNPDK20110429_144750_000000613102_00054_47913_0387.N1	29-APR-2011 14:47:50	Straylight	61.000	25	35Lam Sco	1.6200	28000.	122	47913	No
177	GOM_TRA_1PNPDK20110429_145100_000000603102_00054_47913_0388.N1	29-APR-2011 14:51:00	Straylight	60.000	75	26Eps Sco	2.2910	4250.0	120	47913	No
178	GOM_TRA_1PNPDK20110429_145447_000000803102_00054_47913_0389.N1	29-APR-2011 14:54:47	Tw_i_and_stray	80.000	16	21Alp Sco	1.0200	3000.0	160	47913	No
179	GOM_TRA_1PNPDK20110429_145704_000000623102_00054_47913_0433.N1	29-APR-2011 14:57:04	Tw_i_and_stray	61.500	80	7Del Sco	2.3160	30000.	123	47913	Yes
180	GOM_TRA_1PNPDK20110429_150017_000000463102_00054_47913_0434.N1	29-APR-2011 15:00:17	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	47913	No
181	GOM_TRA_1PNPDK20110429_150235_000000513102_00054_47913_0435.N1	29-APR-2011 15:02:35	Bright	50.500	104	27Bet Lib	2.6140	13100.	101	47913	No
182	GOM_TRA_1PNPDK20110429_151101_000000393102_00054_47913_0436.N1	29-APR-2011 15:11:01	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	47913	No
183	GOM_TRA_1PNPDK20110429_151446_000000473102_00054_47913_0437.N1	29-APR-2011 15:14:46	Bright	47.000	83		2.3780	11000.	94	47913	No
184	GOM_TRA_1PNPDK20110429_151745_000000433102_00054_47913_0438.N1	29-APR-2011 15:17:45	Bright	42.500	180	27Gam Boo	3.0400	8000.0	85	47913	No
185	GOM_TRA_1PNPDK20110429_151957_000000393102_00054_47913_0439.N1	29-APR-2011 15:19:57	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	47913	No
186	GOM_TRA_1PNPDK20110429_152718_000000463102_00054_47913_0440.N1	29-APR-2011 15:27:18	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	47913	No
187	GOM_TRA_1PNPDK20110429_153731_000000433102_00054_47913_0441.N1	29-APR-2011 15:37:31	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	47913	No
188	GOM_TRA_1PNPDK20110429_154240_000000603102_00054_47913_0442.N1	29-APR-2011 15:42:40	Bright	59.500	19	50Alp Cyg	1.2460	10500.	119	47913	No
189	GOM_TRA_1PNPDK20110429_154844_000000453102_00054_47913_0443.N1	29-APR-2011 15:48:44	Bright	44.500	164	44Eta Peg	2.9480	5400.0	89	47913	No

190	GOM_TRA_1PNPDK20110429_155307_000000443102_00054_47913_0444.N1	29-APR-2011 15:53:07	Twilight	43.500	90	54Alp Peg	2.4870	11000.	87	47913	No
191	GOM_TRA_1PNPDK20110429_155716_000000633102_00054_47913_0445.N1	29-APR-2011 15:57:16	Dark	63.000	61	8Eps Peg	2.1000	3900.0	126	47913	No
192	GOM_TRA_1PNPDK20110429_155943_000000533102_00054_47913_0446.N1	29-APR-2011 15:59:43	Dark	53.000	162	34Alp Aqr	2.9440	5350.0	106	47913	No
193	GOM_TRA_1PNPDK20110429_160320_000000603102_00054_47913_0447.N1	29-APR-2011 16:03:20	Dark	60.000	154	22Bet Aqr	2.8990	5700.0	120	47913	No
194	GOM_TRA_1PNPDK20110429_162435_000000443102_00055_47914_0448.N1	29-APR-2011 16:24:35	Straylight	44.000	141	Bet Ara	2.8400	4600.0	88	47914	No
195	GOM_TRA_1PNPDK20110429_162622_000000593102_00055_47914_0449.N1	29-APR-2011 16:26:22	Straylight	58.500	40	The Sco	1.8590	7100.0	117	47914	No
196	GOM_TRA_1PNPDK20110429_162805_000000603102_00055_47914_0450.N1	29-APR-2011 16:28:05	Straylight	60.000	25	35Lam Sco	1.6200	28000.	120	47914	No
197	GOM_TRA_1PNPDK20110429_163115_000000633102_00055_47914_0451.N1	29-APR-2011 16:31:15	Straylight	63.000	75	26Eps Sco	2.2910	4250.0	126	47914	No
198	GOM_TRA_1PNPDK20110429_163501_000000833102_00055_47914_0473.N1	29-APR-2011 16:35:01	Tw_i_and_stray	82.500	16	21Alp Sco	1.0200	3000.0	165	47914	No
199	GOM_TRA_1PNPDK20110429_163718_000000673102_00055_47914_0474.N1	29-APR-2011 16:37:18	Tw_i_and_stray	66.500	80	7Del Sco	2.3160	30000.	133	47914	No
200	GOM_TRA_1PNPDK20110429_164031_000000463102_00055_47914_0475.N1	29-APR-2011 16:40:31	Bright	45.500	122	9Alp2Lib	2.7470	9700.0	91	47914	No
201	GOM_TRA_1PNPDK20110429_164249_000000513102_00055_47914_0476.N1	29-APR-2011 16:42:49	Bright	50.500	104	27Bet Lib	2.6140	13100.	101	47914	No
202	GOM_TRA_1PNPDK20110429_165115_000000393102_00055_47914_0477.N1	29-APR-2011 16:51:15	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	47914	No
203	GOM_TRA_1PNPDK20110429_165500_000000453102_00055_47914_0478.N1	29-APR-2011 16:55:00	Bright	44.500	83		2.3780	11000.	89	47914	No
204	GOM_TRA_1PNPDK20110429_165759_000000423102_00055_47914_0479.N1	29-APR-2011 16:57:59	Bright	42.000	180	27Gam Boo	3.0400	8000.0	84	47914	No
205	GOM_TRA_1PNPDK20110429_170011_000000393102_00055_47914_0480.N1	29-APR-2011 17:00:11	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	47914	No
206	GOM_TRA_1PNPDK20110429_170732_000000433102_00055_47914_0481.N1	29-APR-2011 17:07:32	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	47914	No
207	GOM_TRA_1PNPDK20110429_171744_000000423102_00055_47914_0482.N1	29-APR-2011 17:17:44	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	47914	No
208	GOM_TRA_1PNPDK20110429_172253_000000593102_00055_47914_0483.N1	29-APR-2011 17:22:53	Bright	59.000	19	50Alp Cyg	1.2460	10500.	118	47914	No
209	GOM_TRA_1PNPDK20110429_172858_000000453102_00055_47914_0484.N1	29-APR-2011 17:28:58	Bright	45.000	164	44Eta Peg	2.9480	5400.0	90	47914	No
210	GOM_TRA_1PNPDK20110429_173321_000000453102_00055_47914_0485.N1	29-APR-2011 17:33:21	Twilight	45.000	90	54Alp Peg	2.4870	11000.	90	47914	No
211	GOM_TRA_1PNPDK20110429_173731_000000673102_00055_47914_0486.N1	29-APR-2011 17:37:31	Dark	66.500	61	8Eps Peg	2.1000	3900.0	133	47914	No
212	GOM_TRA_1PNPDK20110429_173958_000000543102_00055_47914_0487.N1	29-APR-2011 17:39:58	Dark	53.500	162	34Alp Aqr	2.9440	5350.0	107	47914	No
213	GOM_TRA_1PNPDK20110429_174335_000000613102_00055_47914_0488.N1	29-APR-2011 17:43:35	Dark	61.000	154	22Bet Aqr	2.8990	5700.0	122	47914	No
214	GOM_TRA_1PNPDK20110429_180449_000000463102_00056_47915_0489.N1	29-APR-2011 18:04:49	Straylight	46.000	141	Bet Ara	2.8400	4600.0	92	47915	No
215	GOM_TRA_1PNPDK20110429_180637_000000623102_00056_47915_0490.N1	29-APR-2011 18:06:37	Straylight	62.000	40	The Sco	1.8590	7100.0	124	47915	No
216	GOM_TRA_1PNPDK20110429_180821_000000583102_00056_47915_0491.N1	29-APR-2011 18:08:21	Straylight	58.000	25	35Lam Sco	1.6200	28000.	116	47915	No
217	GOM_TRA_1PNPDK20110429_181130_000000623102_00056_47915_0493.N1	29-APR-2011 18:11:30	Straylight	62.000	75	26Eps Sco	2.2910	4250.0	124	47915	No
218	GOM_TRA_1PNPDK20110429_181516_000000723102_00056_47915_0494.N1	29-APR-2011 18:15:16	Tw_i_and_stray	71.500	16	21Alp Sco	1.0200	3000.0	143	47915	No
219	GOM_TRA_1PNPDK20110429_181733_000000653102_00056_47915_0495.N1	29-APR-2011 18:17:33	Tw_i_and_stray	65.000	80	7Del Sco	2.3160	30000.	130	47915	No
220	GOM_TRA_1PNPDK20110429_182045_000000473102_00056_47915_0496.N1	29-APR-2011 18:20:45	Bright	46.500	122	9Alp2Lib	2.7470	9700.0	93	47915	No
221	GOM_TRA_1PNPDK20110429_182303_000000503102_00056_47915_0497.N1	29-APR-2011 18:23:03	Bright	50.000	104	27Bet Lib	2.6140	13100.	100	47915	No
222	GOM_TRA_1PNPDK20110429_183129_000000393102_00056_47915_0498.N1	29-APR-2011 18:31:29	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	47915	No
223	GOM_TRA_1PNPDK20110429_183513_000000473102_00056_47915_0499.N1	29-APR-2011 18:35:13	Bright	46.500	83		2.3780	11000.	93	47915	No
224	GOM_TRA_1PNPDK20110429_183812_000000433102_00056_47915_0500.N1	29-APR-2011 18:38:12	Bright	42.500	180	27Gam Boo	3.0400	8000.0	85	47915	No
225	GOM_TRA_1PNPDK20110429_184024_000000403102_00056_47915_0501.N1	29-APR-2011 18:40:24	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	47915	No
226	GOM_TRA_1PNPDK20110429_184745_000000443102_00056_47915_0502.N1	29-APR-2011 18:47:45	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	47915	No
227	GOM_TRA_1PNPDK20110429_185758_000000403102_00056_47915_0503.N1	29-APR-2011 18:57:58	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	47915	No
228	GOM_TRA_1PNPDK20110429_190307_000000593102_00056_47915_0504.N1	29-APR-2011 19:03:07	Bright	59.000	19	50Alp Cyg	1.2460	10500.	118	47915	No
229	GOM_TRA_1PNPDK20110429_190912_000000433102_00056_47915_0505.N1	29-APR-2011 19:09:12	Bright	42.500	164	44Eta Peg	2.9480	5400.0	85	47915	No
230	GOM_TRA_1PNPDK20110429_191335_000000453102_00056_47915_0506.N1	29-APR-2011 19:13:35	Twilight	44.500	90	54Alp Peg	2.4870	11000.	89	47915	No
231	GOM_TRA_1PNPDK20110429_191746_000000633102_00056_47915_0507.N1	29-APR-2011 19:17:46	Dark	63.000	61	8Eps Peg	2.1000	3900.0	126	47915	No
232	GOM_TRA_1PNPDK20110429_192012_000000513102_00056_47915_0508.N1	29-APR-2011 19:20:12	Dark	51.000	162	34Alp Aqr	2.9440	5350.0	102	47915	No
233	GOM_TRA_1PNPDK20110429_192350_000000573102_00056_47915_0509.N1	29-APR-2011 19:23:50	Dark	57.000	154	22Bet Aqr	2.8990	5700.0	114	47915	No
234	GOM_TRA_1PNPDK20110429_194504_000000463102_00057_47916_0510.N1	29-APR-2011 19:45:04	Straylight	45.500	141	Bet Ara	2.8400	4600.0	91	47916	No
235	GOM_TRA_1PNPDK20110429_194652_000000533102_00057_47916_0511.N1	29-APR-2011 19:46:52	Straylight	52.500	40	The Sco	1.8590	7100.0	105	47916	No
236	GOM_TRA_1PNPDE20110429_194836_000000623102_00057_47916_9223.N1	29-APR-2011 19:48:36	Straylight	61.500	25	35Lam Sco	1.6200	28000.	123	47916	No
237	GOM_TRA_1PNPDE20110429_195145_000000623102_00057_47916_9224.N1	29-APR-2011 19:51:45	Straylight	61.500	75	26Eps Sco	2.2910	4250.0	123	47916	No
238	GOM_TRA_1PNPDE20110429_195531_000000823102_00057_47916_9225.N1	29-APR-2011 19:55:31	Tw_i_and_stray	82.000	16	21Alp Sco	1.0200	3000.0	164	47916	No
239	GOM_TRA_1PNPDE20110429_195747_000000623102_00057_47916_9226.N1	29-APR-2011 19:57:47	Tw_i_and_stray	61.500	80	7Del Sco	2.3160	30000.	123	47916	No
240	GOM_TRA_1PNPDE20110429_200059_000000473102_00057_47916_9227.N1	29-APR-2011 20:00:59	Bright	46.500	122	9Alp2Lib	2.7470	9700.0	93	47916	No
241	GOM_TRA_1PNPDE20110429_200317_000000493102_00057_47916_9228.N1	29-APR-2011 20:03:17	Bright	49.000	104	27Bet Lib	2.6140	13100.	98	47916	No
242	GOM_TRA_1PNPDE20110429_201143_000000573102_00057_47916_9229.N1	29-APR-2011 20:11:43	Bright	57.000	111	8Eta Boo	2.6800	6000.0	114	47916	No
243	GOM_TRA_1PNPDE20110429_201526_000000463102_00057_47916_9230.N1	29-APR-2011 20:15:26	Bright	46.000	83		2.3780	11000.	92	47916	No
244	GOM_TRA_1PNPDE20110429_201826_000000443102_00057_47916_9231.N1	29-APR-2011 20:18:26	Bright	43.500	180	27Gam Boo	3.0400	8000.0	87	47916	No
245	GOM_TRA_1PNPDE20110429_202038_000000393102_00057_47916_9232.N1	29-APR-2011 20:20:38	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	47916	No
246	GOM_TRA_1PNPDE20110429_202759_000000453102_00057_47916_9233.N1	29-APR-2011 20:27:59	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	47916	No
247	GOM_TRA_1PNPDE20110429_203812_000000513102_00057_47916_9234.N1	29-APR-2011 20:38:12	Bright	51.000	89	5Alp Cep	2.4510	8000.0	102	47916	No
248	GOM_TRA_1PNPDE20110429_204320_000000553102_00057_47916_9235.N1	29-APR-2011 20:43:20	Bright	55.000	19	50Alp Cyg	1.2460	10500.	110	47916	No



249	GOM_TRA_1PNPDE20110429_204926_000000453102_00057_47916_9236.N1	29-APR-2011 20:49:26	Bright	45.000	164	44Eta Peg	2.9480	5400.0	90	47916	No
250	GOM_TRA_1PNPDE20110429_205350_000000473102_00057_47916_9237.N1	29-APR-2011 20:53:50	Twilight	47.000	90	54Alp Peg	2.4870	11000.	94	47916	No
251	GOM_TRA_1PNPDE20110429_205801_000000653102_00057_47916_9236.N1	29-APR-2011 20:58:01	Dark	64.500	61	8Eps Peg	2.1000	3900.0	129	47916	No
252	GOM_TRA_1PNPDE20110429_210027_000000553102_00057_47916_9237.N1	29-APR-2011 21:00:27	Dark	54.500	162	34Alp Aqr	2.9440	5350.0	109	47916	No
253	GOM_TRA_1PNPDE20110429_210405_000000623102_00057_47916_9238.N1	29-APR-2011 21:04:05	Dark	61.500	154	22Bet Aqr	2.8990	5700.0	123	47916	No
254	GOM_TRA_1PNPDE20110429_212519_000000433102_00058_47917_9239.N1	29-APR-2011 21:25:19	Straylight	43.000	141	Bet Ara	2.8400	4600.0	86	47917	No
255	GOM_TRA_1PNPDE20110429_212707_000000653102_00058_47917_9240.N1	29-APR-2011 21:27:07	Straylight	64.500	40	The Sco	1.8590	7100.0	129	47917	No
256	GOM_TRA_1PNPDE20110429_212850_000000603102_00058_47917_9241.N1	29-APR-2011 21:28:50	Straylight	60.000	25	35Lam Sco	1.6200	28000.	120	47917	No
257	GOM_TRA_1PNPDE20110429_213159_000000643102_00058_47917_9242.N1	29-APR-2011 21:31:59	Straylight	64.000	75	26Eps Sco	2.2910	4250.0	128	47917	No
258	GOM_TRA_1PNPDE20110429_213545_000000763102_00058_47917_9243.N1	29-APR-2011 21:35:45	Tw_i_and_stray	75.500	16	21Alp Sco	1.0200	3000.0	151	47917	No
259	GOM_TRA_1PNPDE20110429_213802_000000633102_00058_47917_9244.N1	29-APR-2011 21:38:02	Tw_i_and_stray	63.000	80	7Del Sco	2.3160	30000.	126	47917	No
260	GOM_TRA_1PNPDE20110429_214113_000000443102_00058_47917_9245.N1	29-APR-2011 21:41:13	Bright	43.500	122	9Alp2Lib	2.7470	9700.0	87	47917	No
261	GOM_TRA_1PNPDE20110429_214331_000000493102_00058_47917_9246.N1	29-APR-2011 21:43:31	Bright	48.500	104	27Bet Lib	2.6140	13100.	97	47917	No
262	GOM_TRA_1PNPDE20110429_215156_000000393102_00058_47917_9247.N1	29-APR-2011 21:51:56	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	47917	No
263	GOM_TRA_1PNPDE20110429_215540_000000443102_00058_47917_9248.N1	29-APR-2011 21:55:40	Bright	43.500	83		2.3780	11000.	87	47917	No
264	GOM_TRA_1PNPDE20110429_215839_000000403102_00058_47917_9249.N1	29-APR-2011 21:58:39	Bright	39.500	180	27Gam Boo	3.0400	8000.0	79	47917	No
265	GOM_TRA_1PNPDE20110429_220052_000000563102_00058_47917_9250.N1	29-APR-2011 22:00:52	Bright	56.000	39	85Eta UMa	1.8540	24000.	112	47917	No
266	GOM_TRA_1PNPDE20110429_220812_000000443102_00058_47917_9251.N1	29-APR-2011 22:08:12	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	47917	No
267	GOM_TRA_1PNPDE20110429_221825_000000473102_00058_47917_9252.N1	29-APR-2011 22:18:25	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	47917	No
268	GOM_TRA_1PNPDE20110429_222334_000000553102_00058_47917_9253.N1	29-APR-2011 22:23:34	Bright	55.000	19	50Alp Cyg	1.2460	10500.	110	47917	No
269	GOM_TRA_1PNPDE20110429_222940_000000483102_00058_47917_9254.N1	29-APR-2011 22:29:40	Bright	47.500	164	44Eta Peg	2.9480	5400.0	95	47917	No
270	GOM_TRA_1PNPDE20110429_223404_000000433102_00058_47917_9255.N1	29-APR-2011 22:34:04	Twilight	43.000	90	54Alp Peg	2.4870	11000.	86	47917	No
271	GOM_TRA_1PNPDE20110429_223815_000000623102_00058_47917_9256.N1	29-APR-2011 22:38:15	Dark	62.000	61	8Eps Peg	2.1000	3900.0	124	47917	No
272	GOM_TRA_1PNPDE20110429_224042_000000533102_00058_47917_9257.N1	29-APR-2011 22:40:42	Dark	52.500	162	34Alp Aqr	2.9440	5350.0	105	47917	No
273	GOM_TRA_1PNPDE20110429_224421_000000563102_00058_47917_9266.N1	29-APR-2011 22:44:21	Dark	55.500	154	22Bet Aqr	2.8990	5700.0	111	47917	No
274	GOM_TRA_1PNPDE20110429_230533_000000433102_00059_47918_9267.N1	29-APR-2011 23:05:33	Straylight	43.000	141	Bet Ara	2.8400	4600.0	86	47918	No
275	GOM_TRA_1PNPDE20110429_230722_000000653102_00059_47918_9268.N1	29-APR-2011 23:07:22	Straylight	65.000	40	The Sco	1.8590	7100.0	130	47918	No
276	GOM_TRA_1PNPDE20110429_230905_000000643102_00059_47918_9269.N1	29-APR-2011 23:09:05	Straylight	64.000	25	35Lam Sco	1.6200	28000.	128	47918	No
277	GOM_TRA_1PNPDE20110429_231214_000000573102_00059_47918_9270.N1	29-APR-2011 23:12:14	Straylight	57.000	75	26Eps Sco	2.2910	4250.0	114	47918	No
278	GOM_TRA_1PNPDE20110429_231600_000000703102_00059_47918_9271.N1	29-APR-2011 23:16:00	Tw_i_and_stray	70.000	16	21Alp Sco	1.0200	3000.0	140	47918	No
279	GOM_TRA_1PNPDE20110429_231816_000000613102_00059_47918_9272.N1	29-APR-2011 23:18:16	Tw_i_and_stray	61.000	80	7Del Sco	2.3160	30000.	122	47918	No
280	GOM_TRA_1PNPDE20110429_232127_000000473102_00059_47918_9273.N1	29-APR-2011 23:21:27	Bright	47.000	122	9Alp2Lib	2.7470	9700.0	94	47918	No
281	GOM_TRA_1PNPDE20110429_232345_000000503102_00059_47918_9274.N1	29-APR-2011 23:23:45	Bright	50.000	104	27Bet Lib	2.6140	13100.	100	47918	No
282	GOM_TRA_1PNPDE20110429_233210_000000393102_00059_47918_9275.N1	29-APR-2011 23:32:10	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	47918	No
283	GOM_TRA_1PNPDE20110429_233553_000000443102_00059_47918_9276.N1	29-APR-2011 23:35:53	Bright	44.000	83		2.3780	11000.	88	47918	No
284	GOM_TRA_1PNPDE20110429_233853_000000413102_00059_47918_9277.N1	29-APR-2011 23:38:53	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	47918	No
285	GOM_TRA_1PNPDE20110429_234106_000000413102_00059_47918_9278.N1	29-APR-2011 23:41:06	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	47918	No
286	GOM_TRA_1PNPDE20110429_234825_000000453102_00059_47918_9279.N1	29-APR-2011 23:48:25	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	47918	No
287	GOM_TRA_1PNPDE20110429_235839_000000423102_00059_47918_9280.N1	29-APR-2011 23:58:39	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	47918	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).

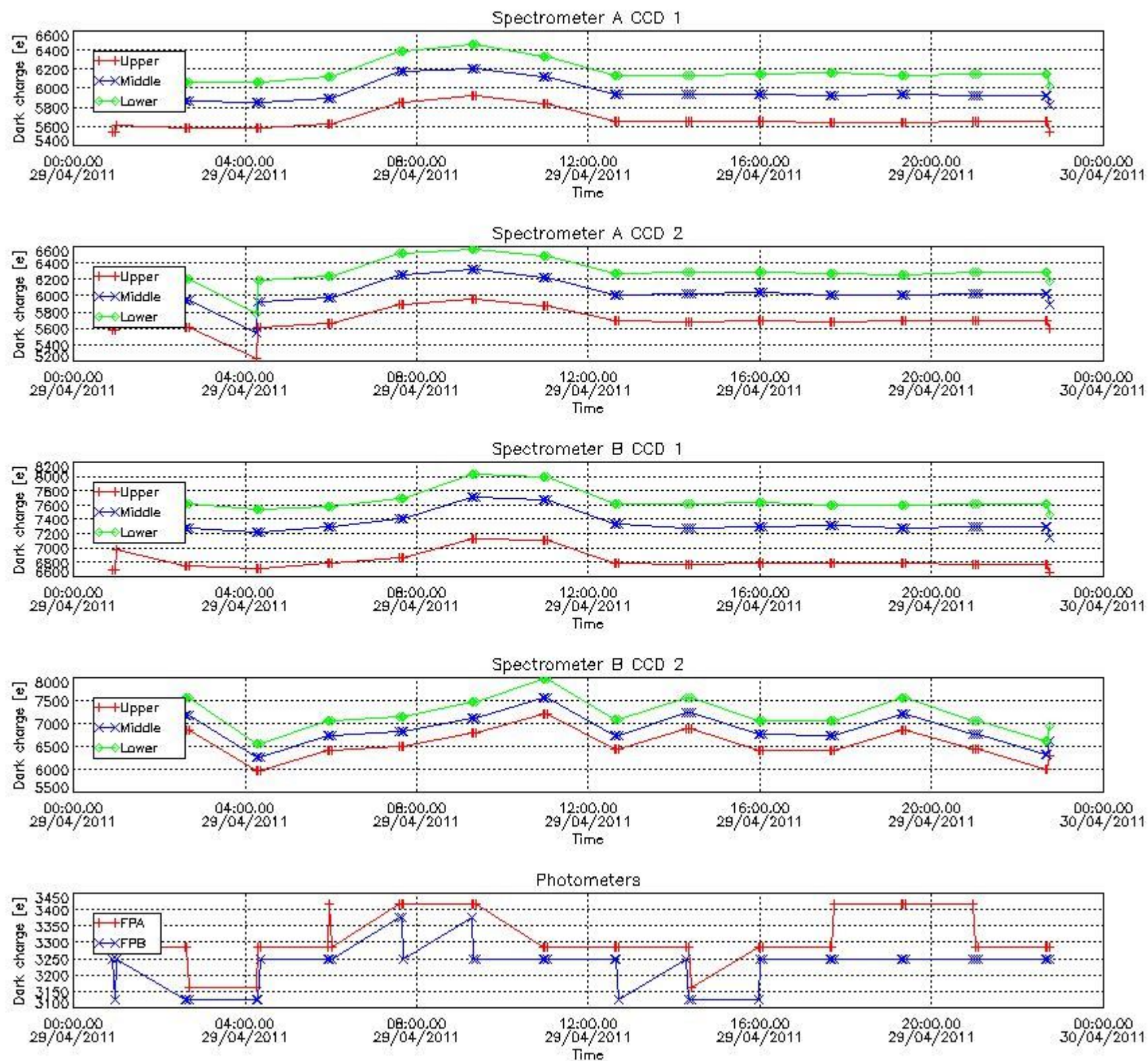
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110429_194836_000000623102_00057_47916_9223.N1	DC map used
GOM_TRA_1PNPDE20110429_195145_000000623102_00057_47916_9224.N1	DC map used
GOM_TRA_1PNPDE20110429_195531_000000823102_00057_47916_9225.N1	DC map used
GOM_TRA_1PNPDE20110429_195747_000000623102_00057_47916_9226.N1	DC map used
GOM_TRA_1PNPDE20110429_200059_000000473102_00057_47916_9227.N1	DC map used
GOM_TRA_1PNPDE20110429_200317_000000493102_00057_47916_9228.N1	DC map used
GOM_TRA_1PNPDE20110429_201143_000000573102_00057_47916_9229.N1	DC map used
GOM_TRA_1PNPDE20110429_201526_000000463102_00057_47916_9230.N1	DC map used
GOM_TRA_1PNPDE20110429_201826_000000443102_00057_47916_9231.N1	DC map used
GOM_TRA_1PNPDE20110429_202038_000000393102_00057_47916_9232.N1	DC map used
GOM_TRA_1PNPDE20110429_202759_000000453102_00057_47916_9233.N1	DC map used
GOM_TRA_1PNPDE20110429_203812_000000513102_00057_47916_9234.N1	DC map used
GOM_TRA_1PNPDE20110429_204320_000000553102_00057_47916_9235.N1	DC map used
GOM_TRA_1PNPDE20110429_204926_000000453102_00057_47916_9236.N1	DC map used



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



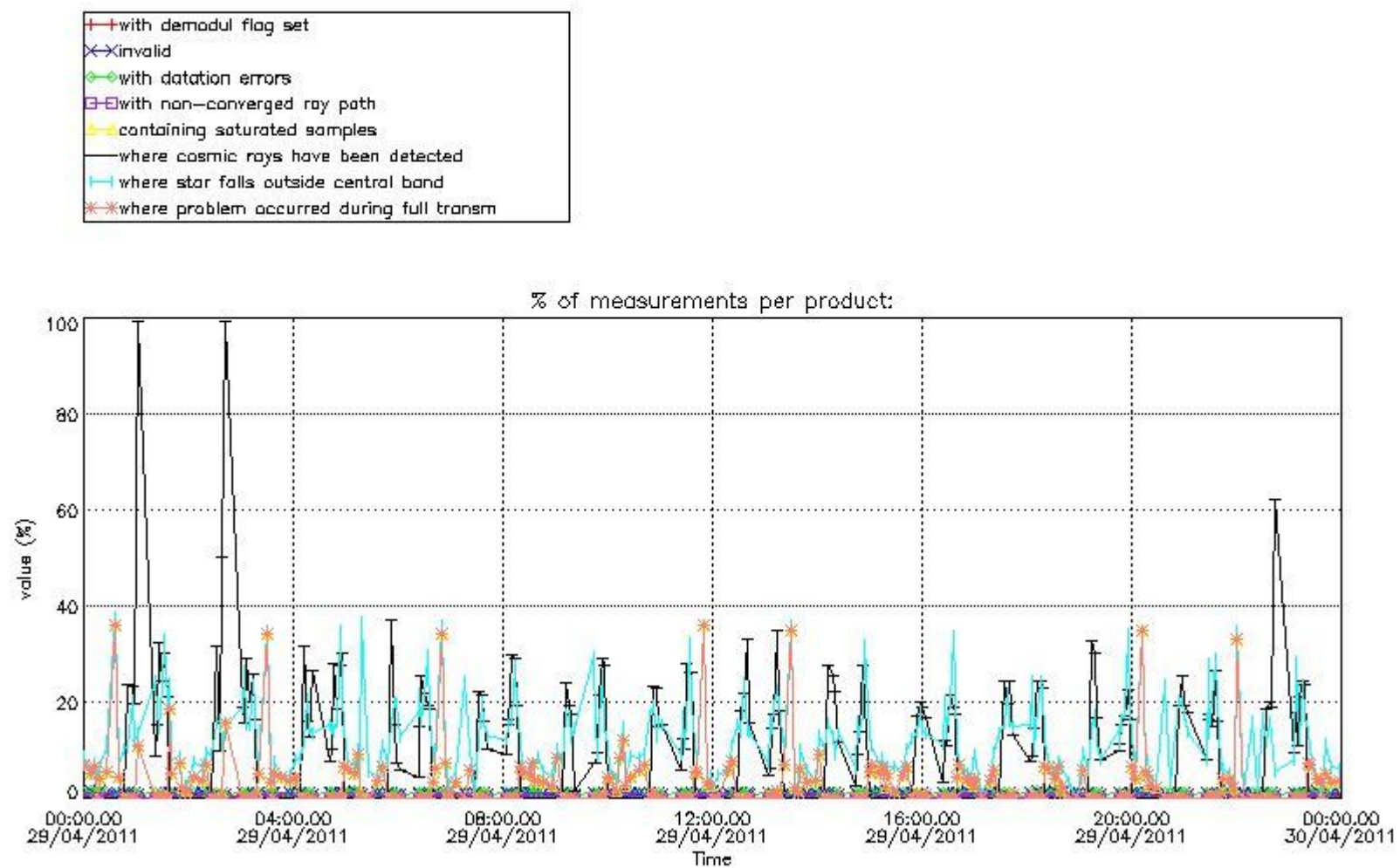
#### 5. Demodulation flag and quality information monitoring

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:

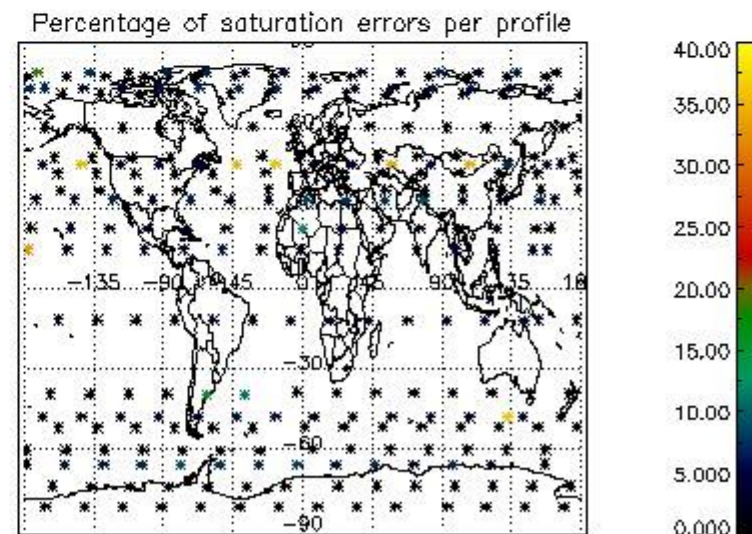
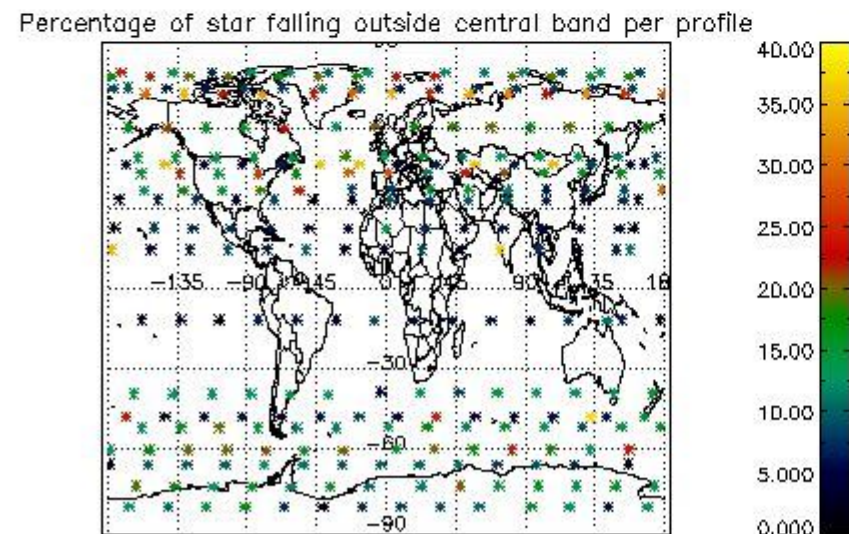
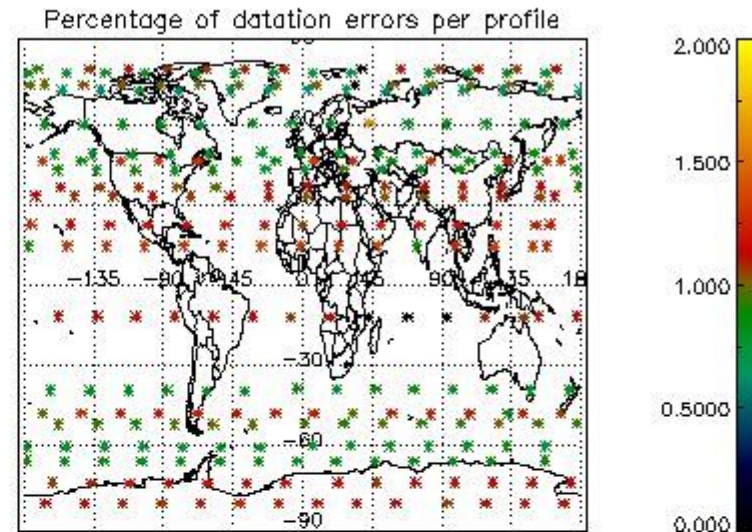
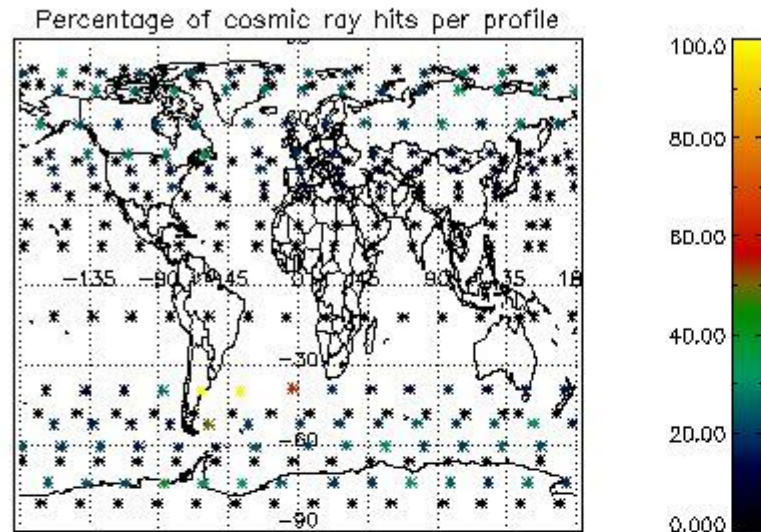
At least one measurement with demodulation flag set:	47.7193 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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)

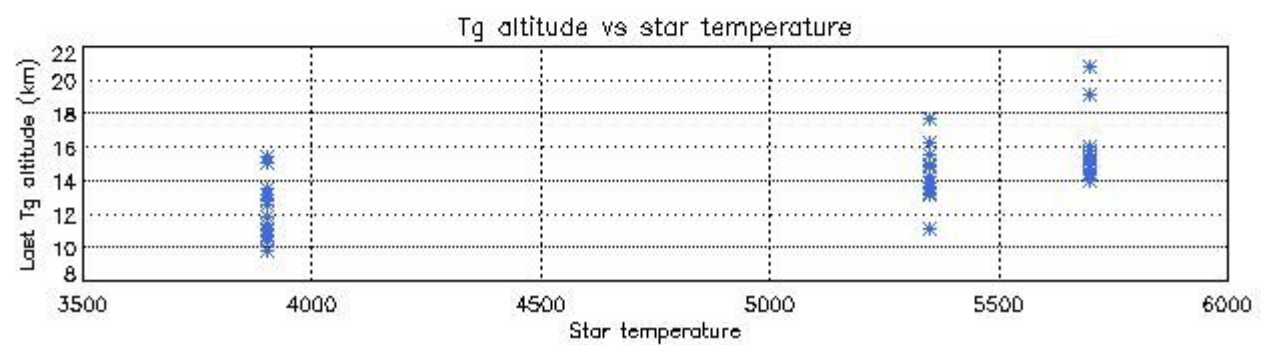
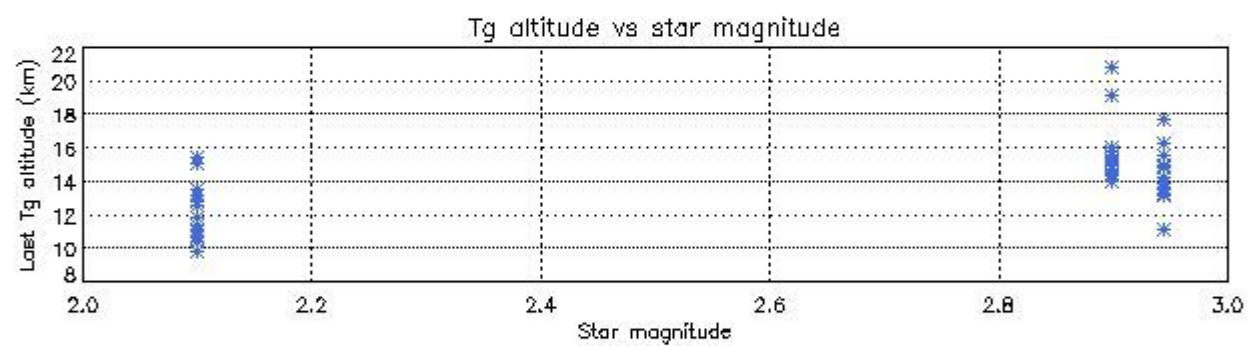
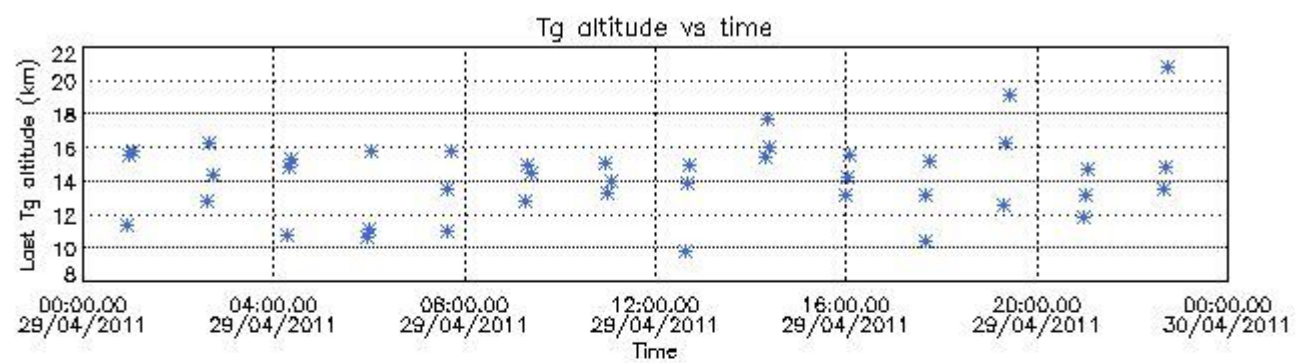
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.175	19.199	13.808
St. deviation:	2.2905	4.7201	1.5696
Maximum:	20.818	26.877	16.140
Minimum:	9.7454	3.4669	11.065
Number of data:	42.000	146.00	14.000

### 6.2 Plot for DARK limb products

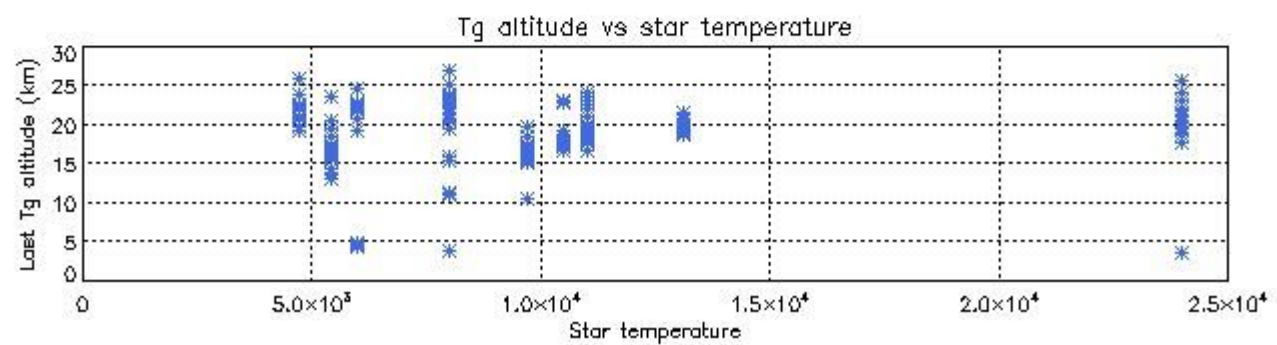
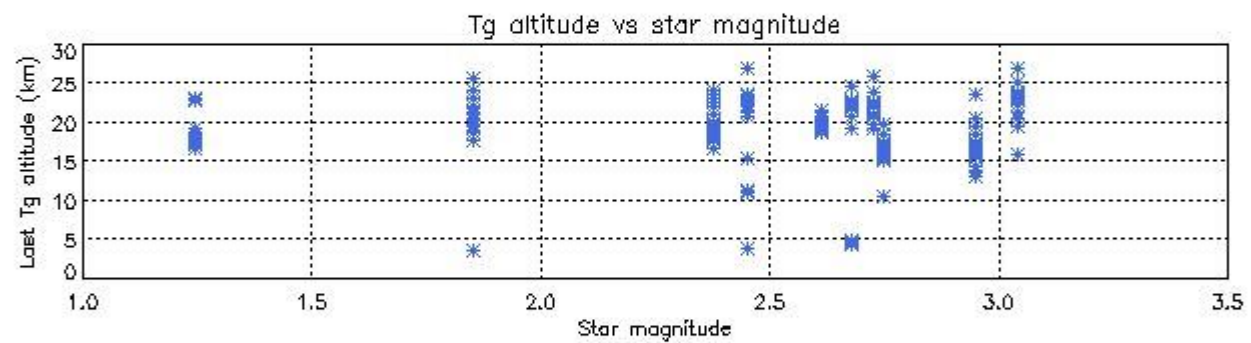
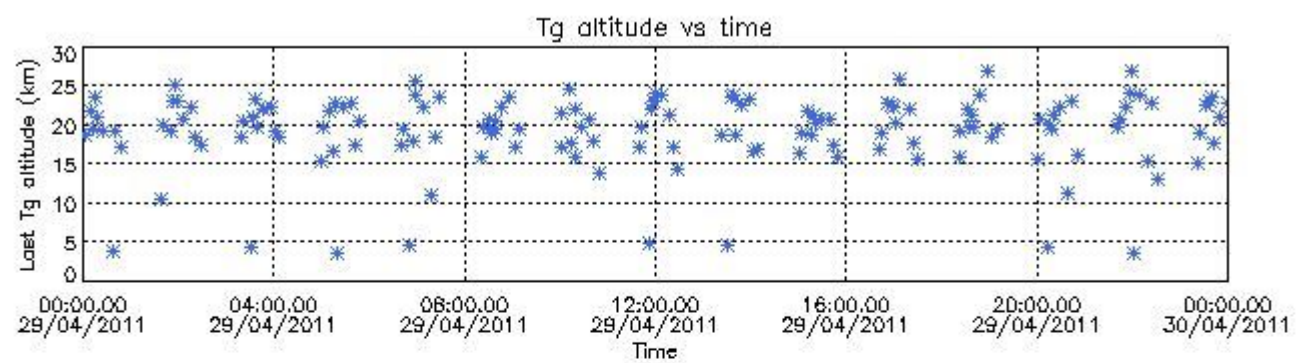


Tangent altitude at which the star is lost



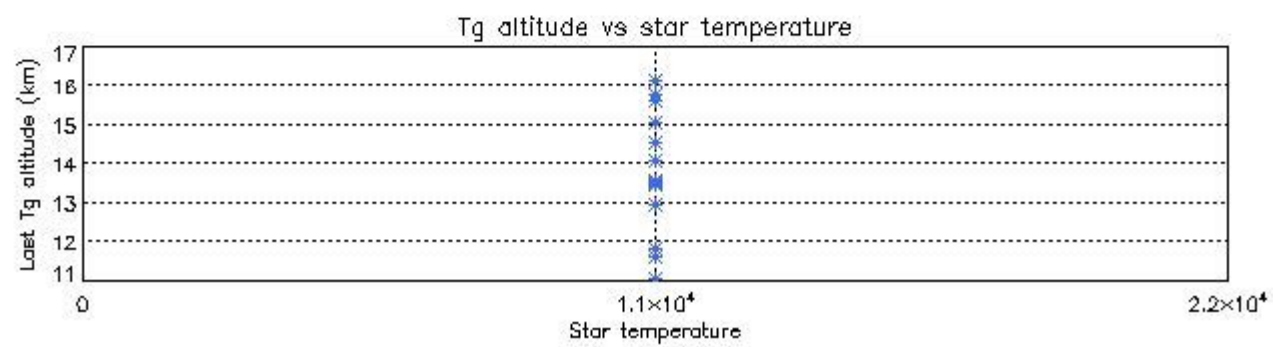
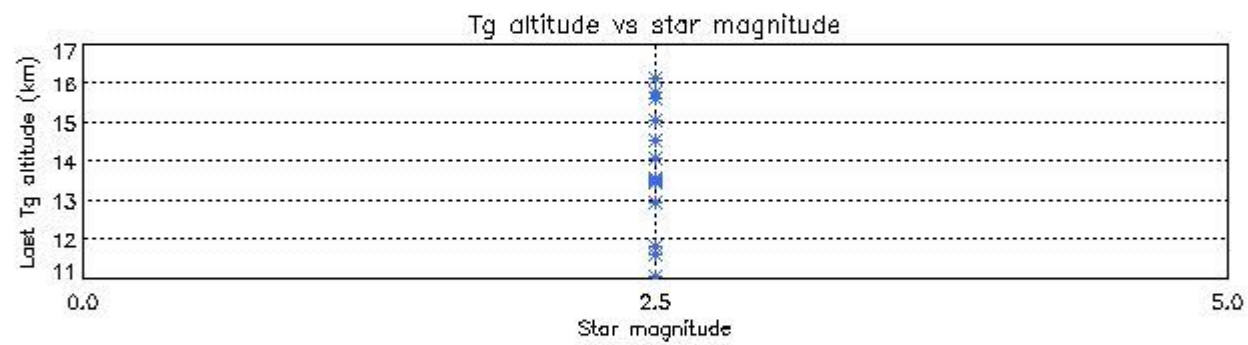
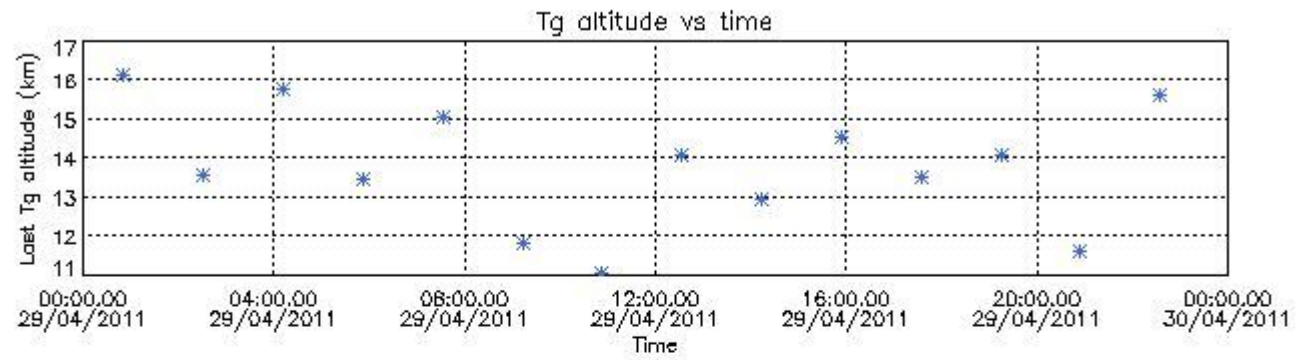
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost



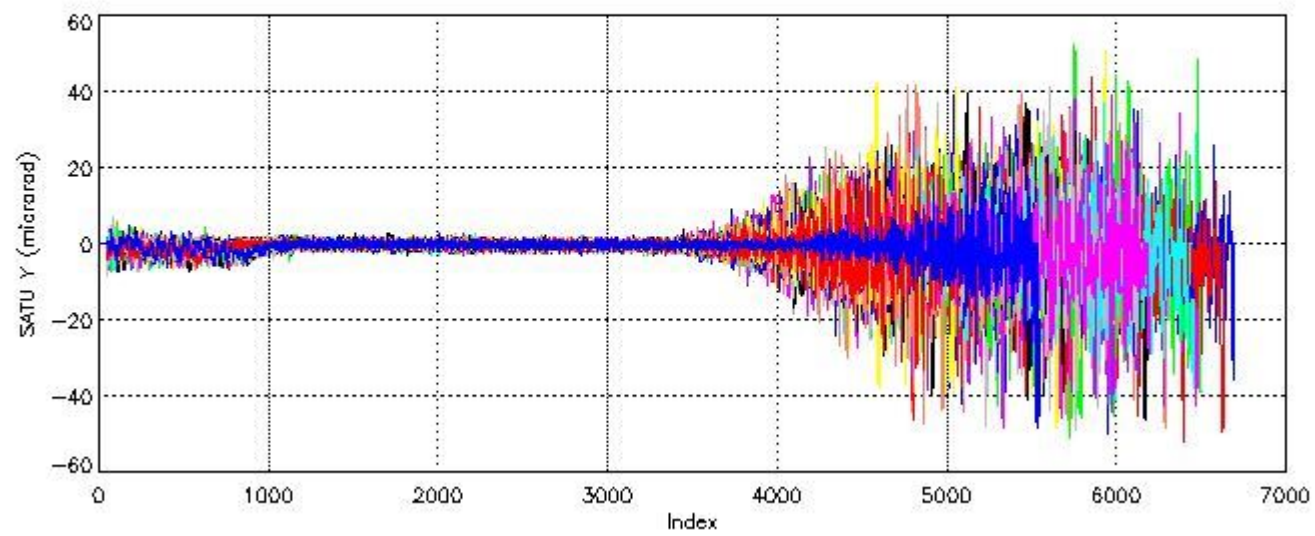
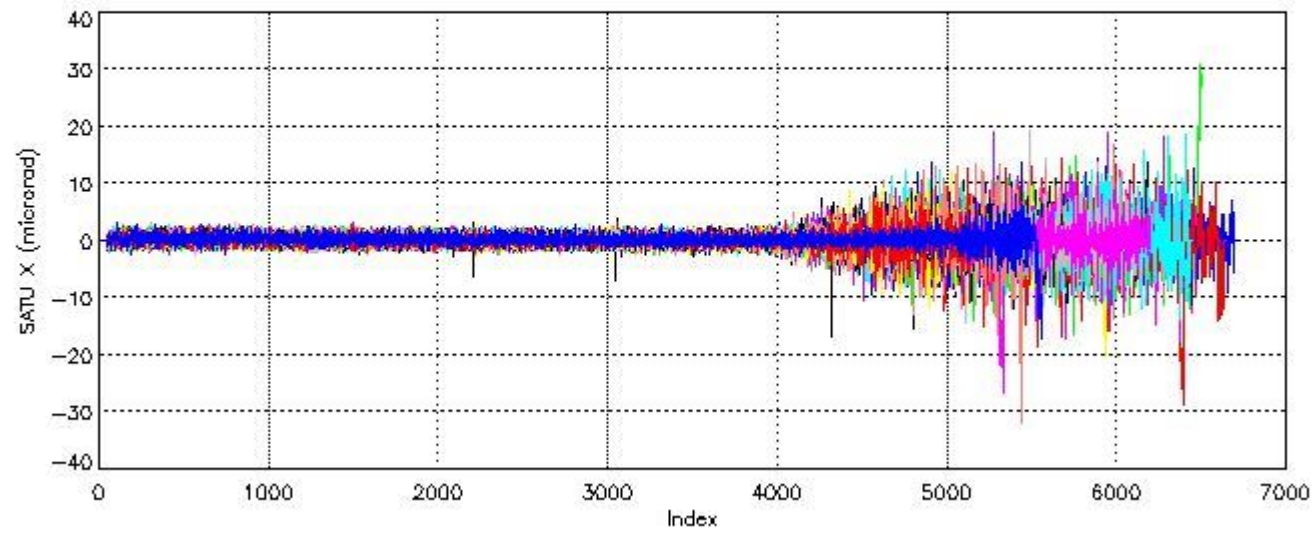
## 7. Star Acquisition and Tracking Unit (SATU)

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

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

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





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

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

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.29818	-1.0841	0.30586	-1.3609
St. deviation:	0.56178	1.3644	0.87934	1.7132
Maximum:	3.0000	6.6000	8.1000	9.0000
Minimum:	-2.6000	-8.5000	-5.4000	-11.100

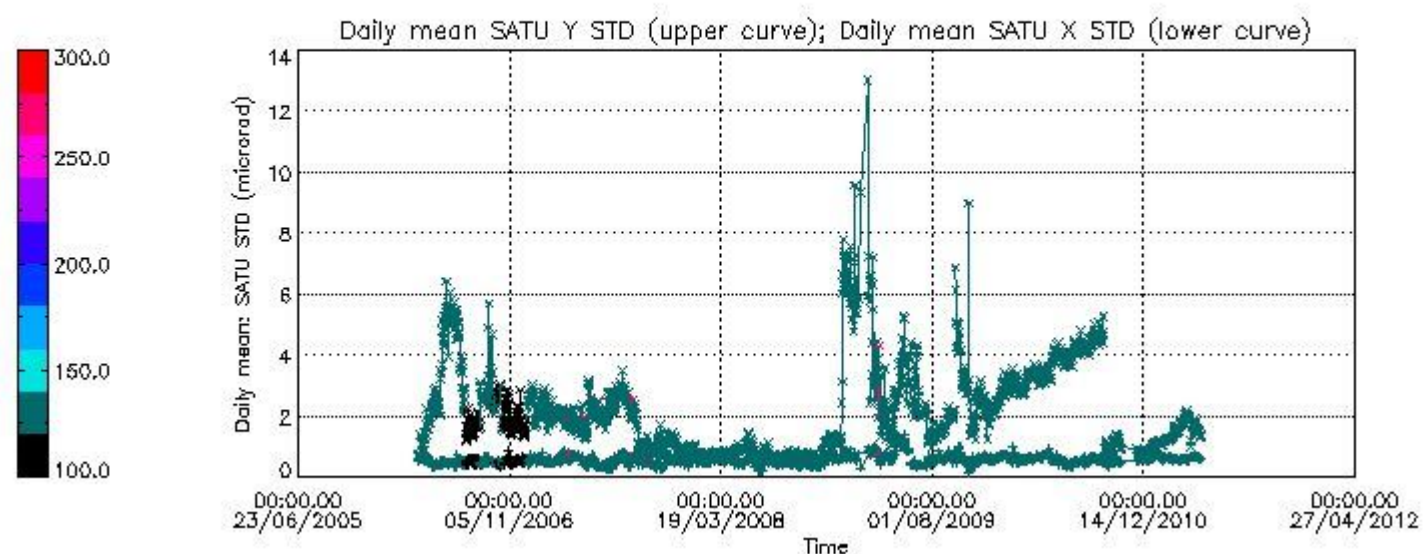
Number of data:	53100.	53100.	1.5440E+05	1.5440E+05
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### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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



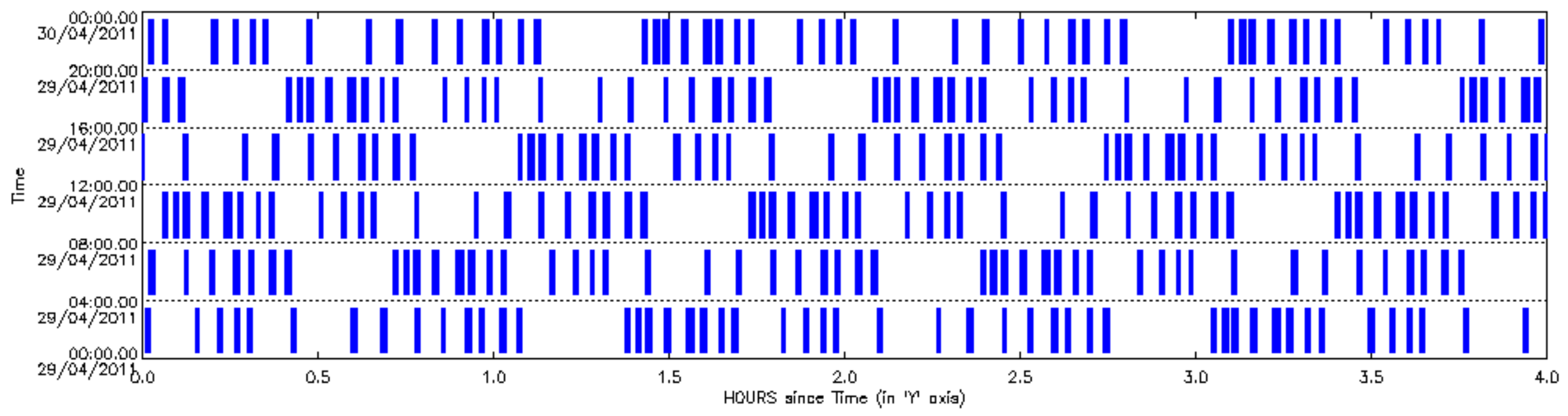
### 8. Auxiliary Data Files used for the production reported in section 2.4

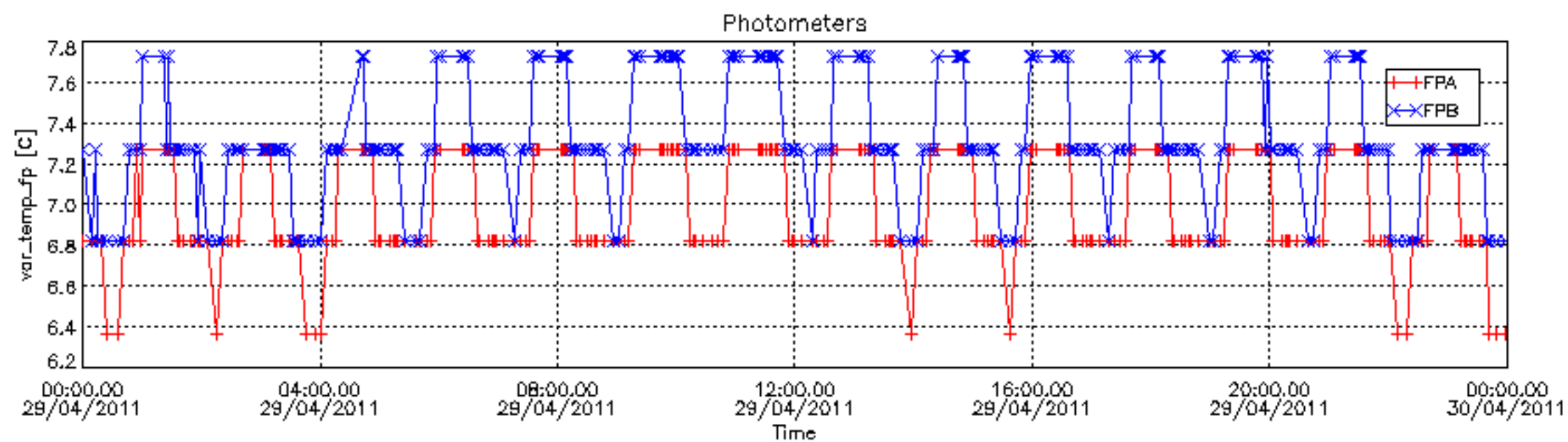
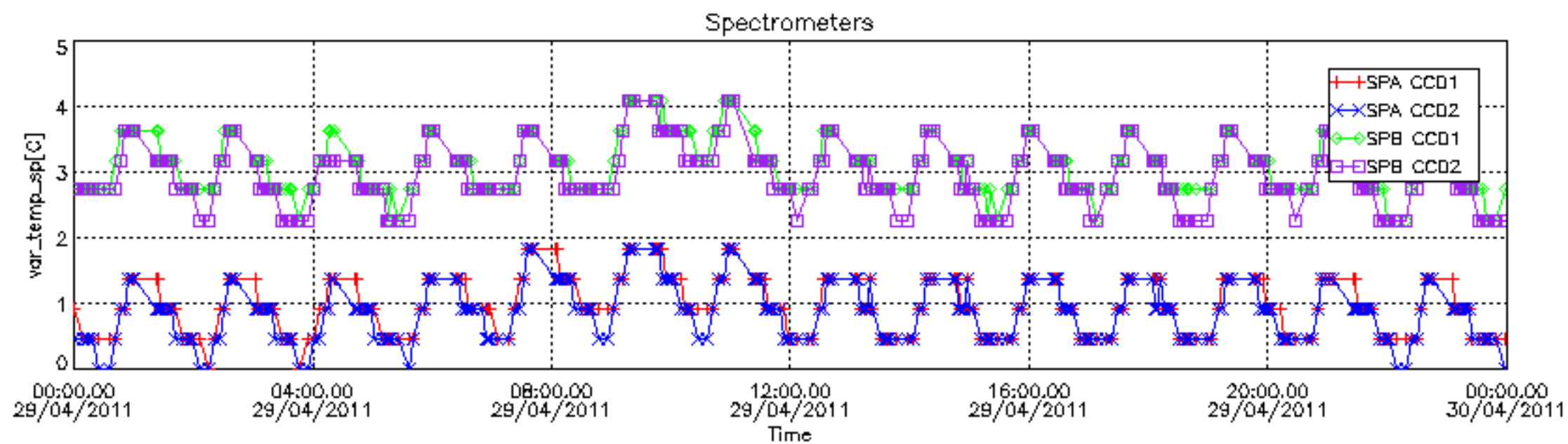
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

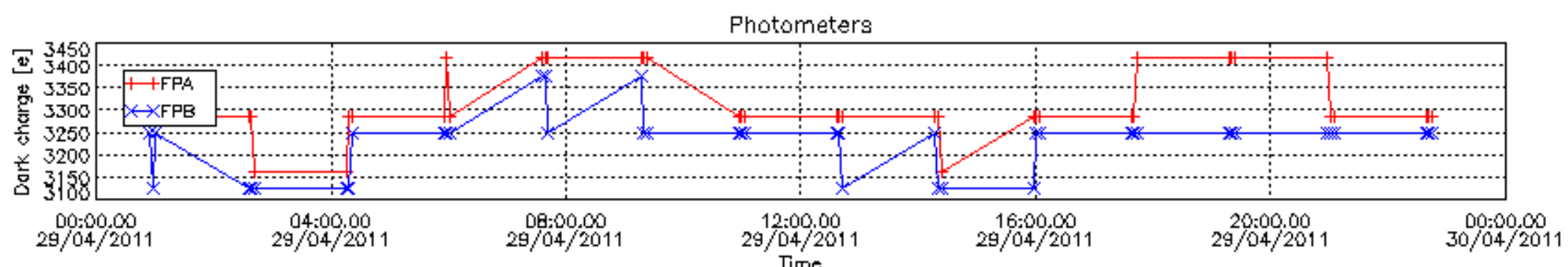
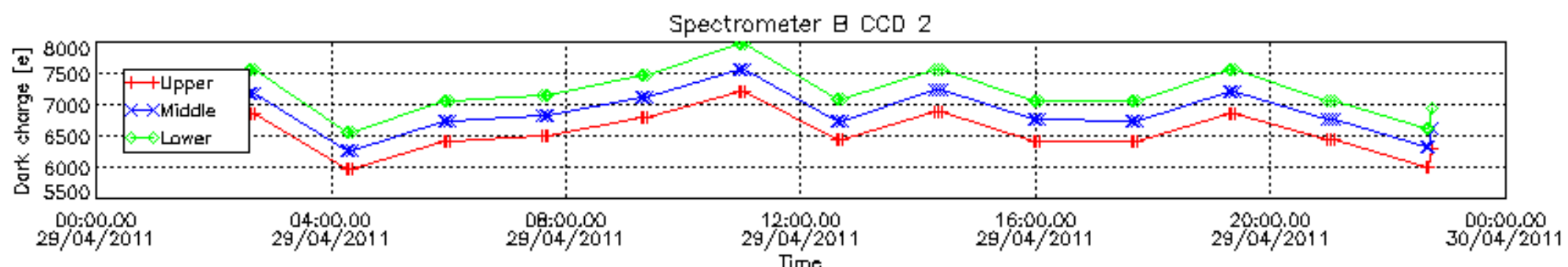
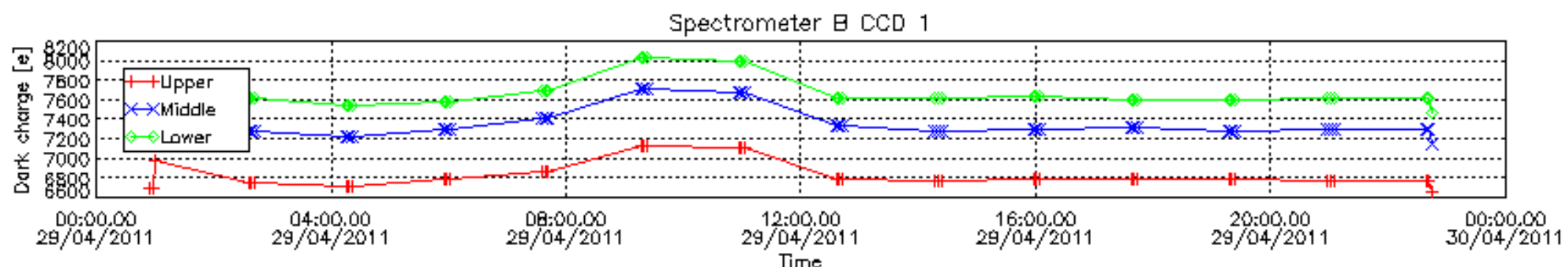
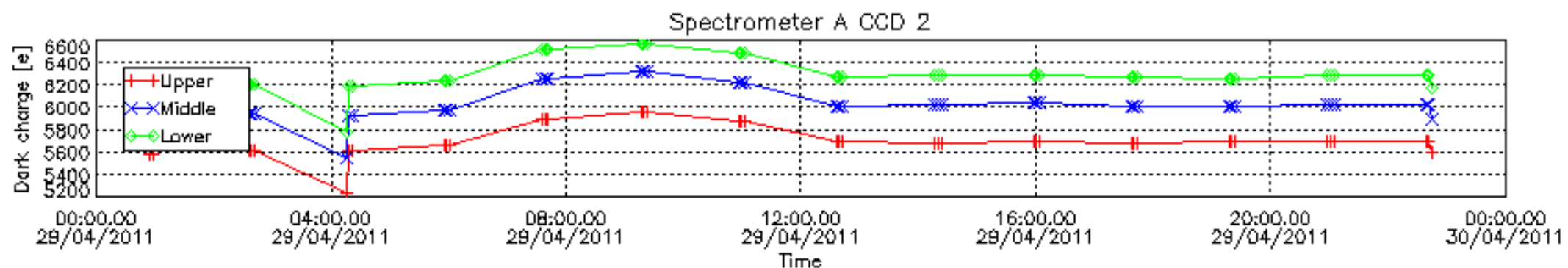
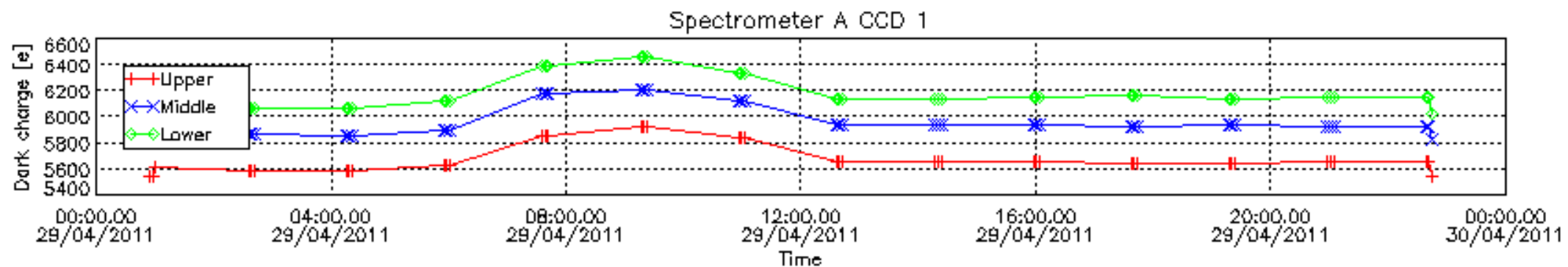
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	29-APR-2011 00:00:30
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110421_075944_20110419_000000_20500101_000000	1	29-APR-2011 00:00:30
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110429_092904_20110427_000000_20500101_000000	236	29-APR-2011 19:48:36
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	29-APR-2011 00:00:30
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	29-APR-2011 00:00:30
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	29-APR-2011 00:00:30
ECMWF_FILE	AUX_ECF_AXNECM20110428_062116_20110428_210000_20110429_090000	1	29-APR-2011 00:00:30
ECMWF_FILE	AUX_ECF_AXNECM20110428_182115_20110429_030000_20110429_150000	47	29-APR-2011 03:55:55
ECMWF_FILE	AUX_ECA_AXNECM20110429_064150_20110428_210000_20110429_090000	67	29-APR-2011 05:36:08
ECMWF_FILE	AUX_ECF_AXNECM20110428_182115_20110429_030000_20110429_150000	101	29-APR-2011 08:21:40
ECMWF_FILE	AUX_ECF_AXNECM20110429_064150_20110429_090000_20110429_210000	122	29-APR-2011 10:10:20
ECMWF_FILE	AUX_ECF_AXNECM20110429_064151_20110429_150000_20110430_030000	198	29-APR-2011 16:35:01
ECMWF_FILE	AUX_ECA_AXNECM20110429_182148_20110429_090000_20110429_210000	217	29-APR-2011 18:11:30
ECMWF_FILE	AUX_ECF_AXNECM20110429_064151_20110429_150000_20110430_030000	251	29-APR-2011 20:58:01
ECMWF_FILE	AUX_ECF_AXNECM20110429_064151_20110429_210000_20110430_090000	273	29-APR-2011 22:44:21
OPTIONAL_ECMWF_FILE	MISSING	1	29-APR-2011 00:00:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110428_231907_000057383102_00044_47903_3014.N1	1	29-APR-2011 00:00:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110429_010004_000098833102_00045_47904_3015.N1	13	29-APR-2011 01:01:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110429_035005_000057383102_00047_47906_3018.N1	47	29-APR-2011 03:55:55
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110429_053102_000057383102_00048_47907_3019.N1	67	29-APR-2011 05:36:08

ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110429_071159_000038263102_00049_47908_4441.N1	87	29-APR-2011 07:16:22
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110429_082103_000057383102_00050_47909_4442.N1	101	29-APR-2011 08:21:40
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110429_100200_000054193102_00051_47910_4443.N1	122	29-APR-2011 10:10:20
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110429_113739_000057383102_00052_47911_4444.N1	141	29-APR-2011 11:42:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110429_131836_000054193102_00053_47912_4445.N1	160	29-APR-2011 13:20:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110429_145414_000054193102_00054_47913_4446.N1	179	29-APR-2011 14:57:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110429_162952_000057383102_00055_47914_4447.N1	198	29-APR-2011 16:35:01
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110429_181049_000054193102_00056_47915_4448.N1	217	29-APR-2011 18:11:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110429_194628_000038263102_00057_47916_3020.N1	236	29-APR-2011 19:48:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110429_205532_000060573102_00057_47916_3021.N1	251	29-APR-2011 20:58:01
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110429_224148_000057383102_00058_47917_3022.N1	273	29-APR-2011 22:44:21

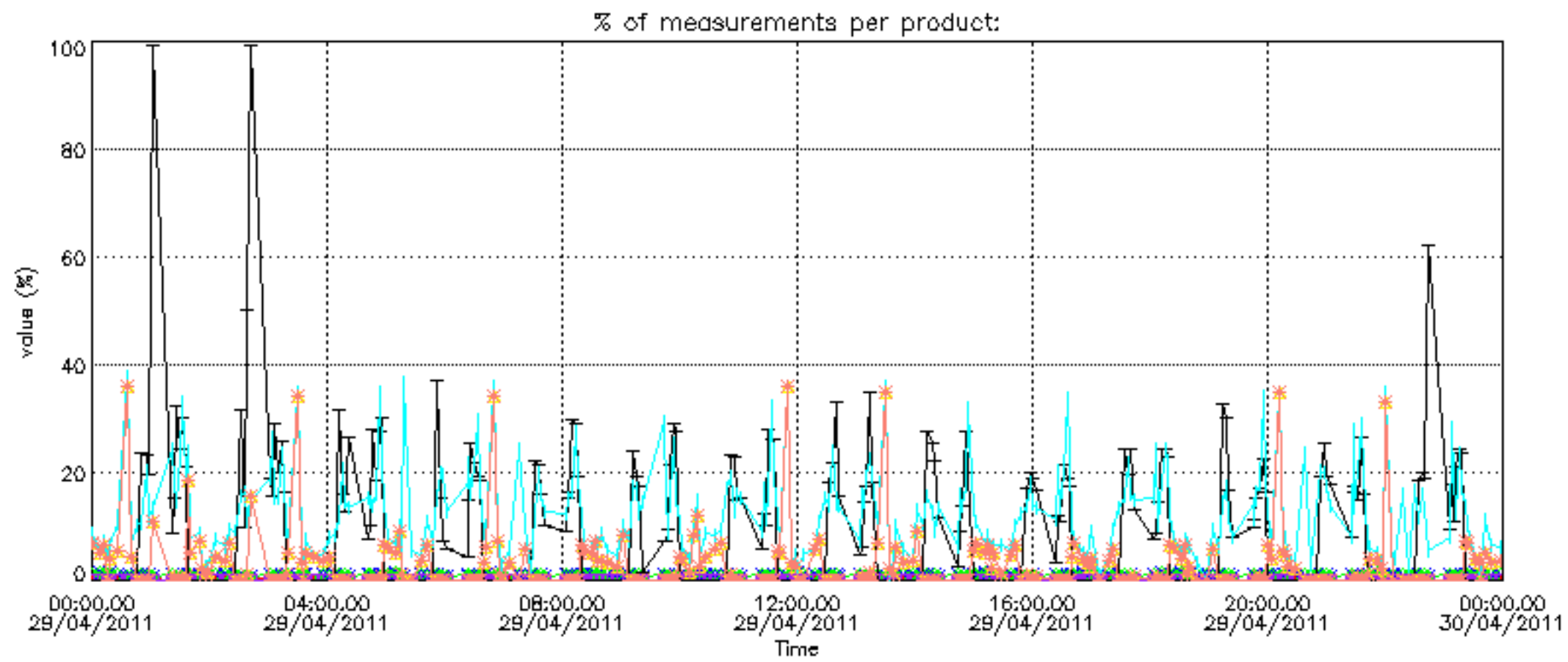
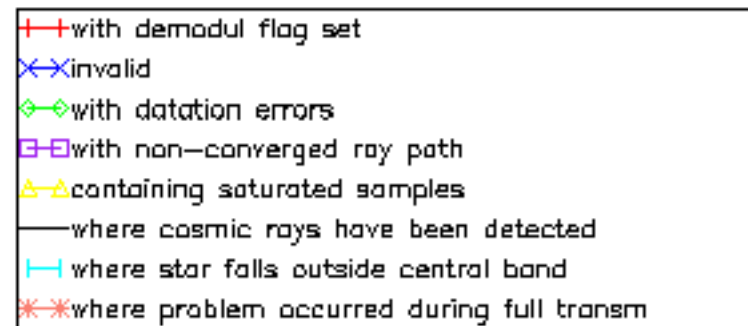




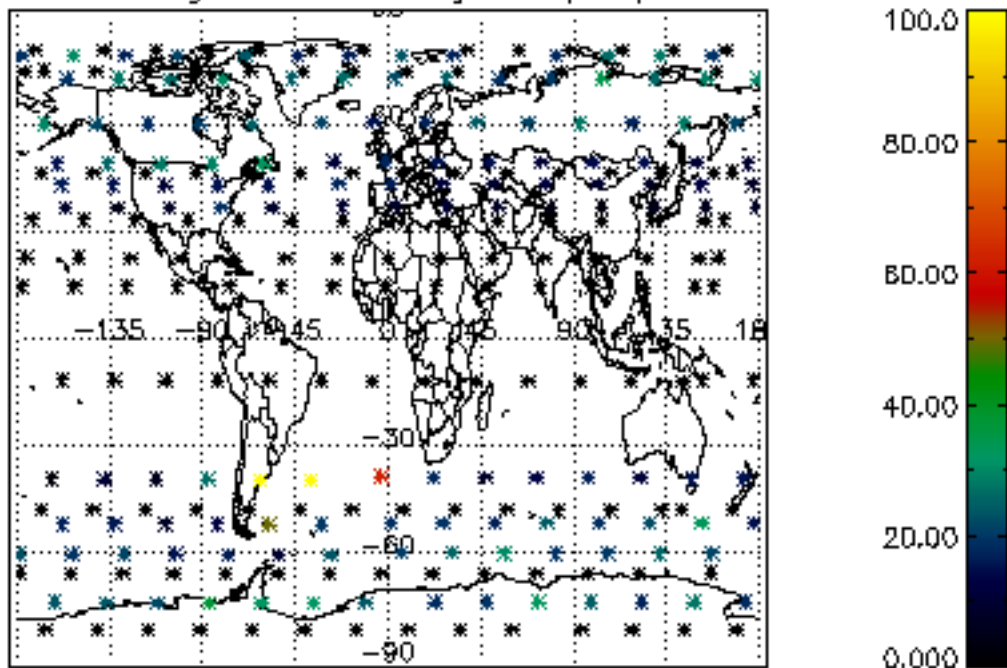




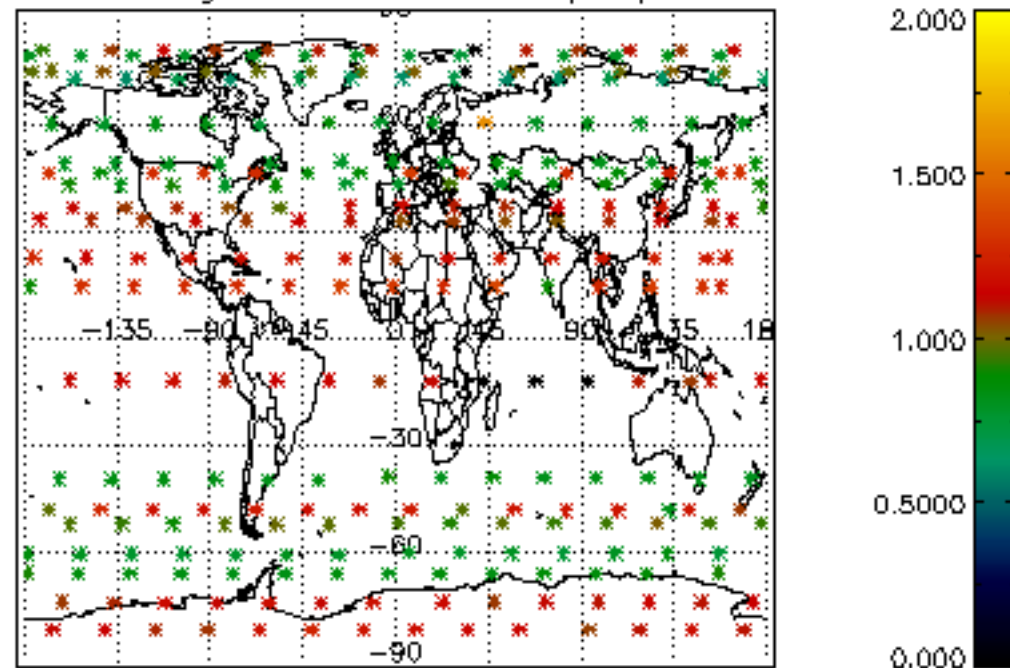




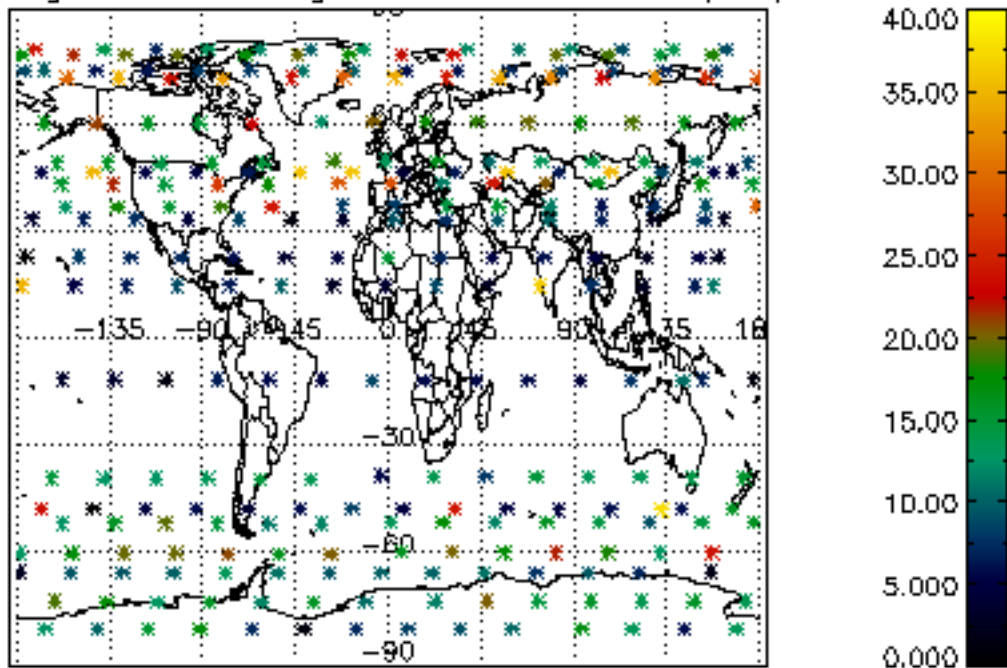
Percentage of cosmic ray hits per profile



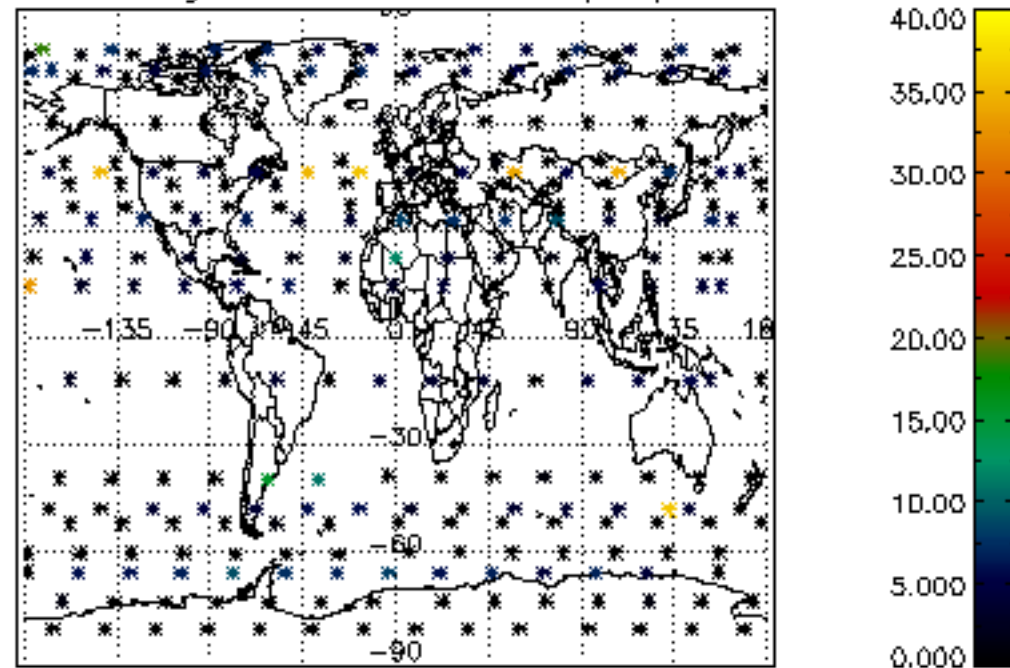
Percentage of datation errors per profile



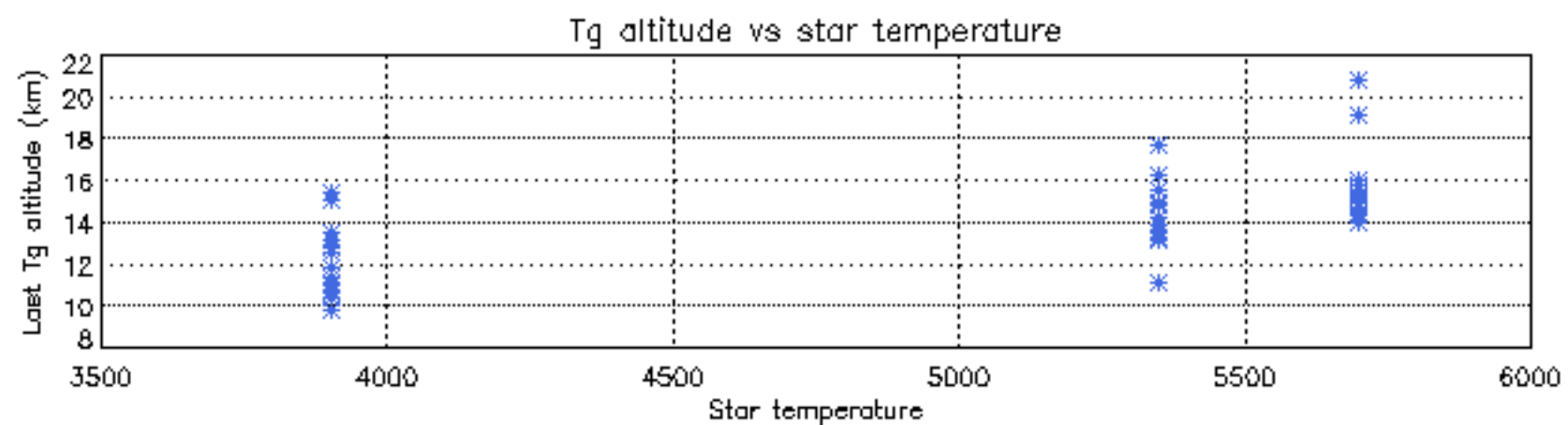
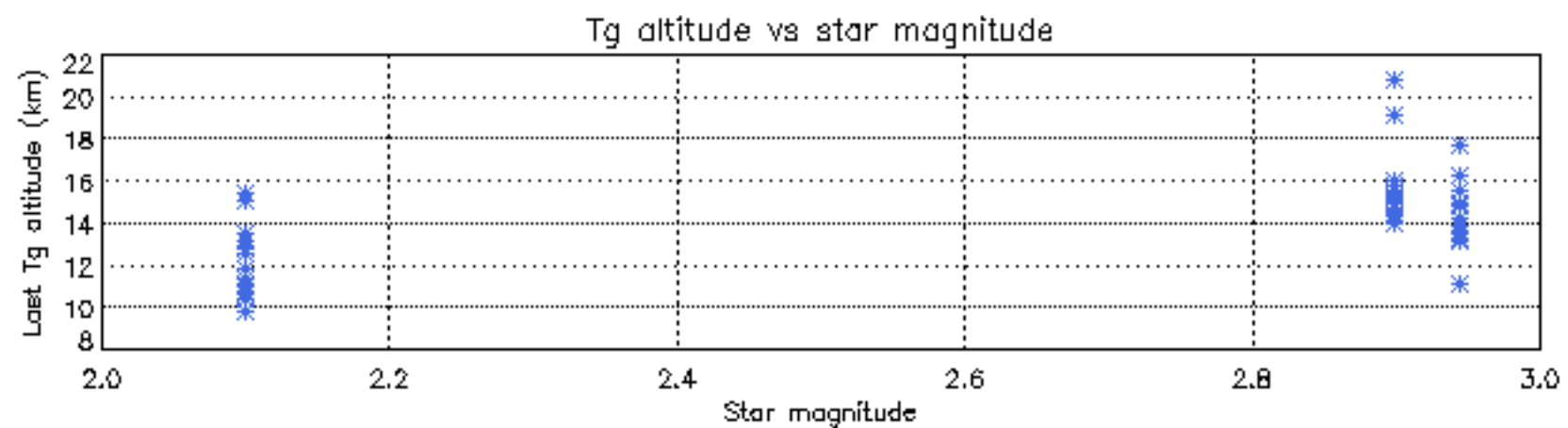
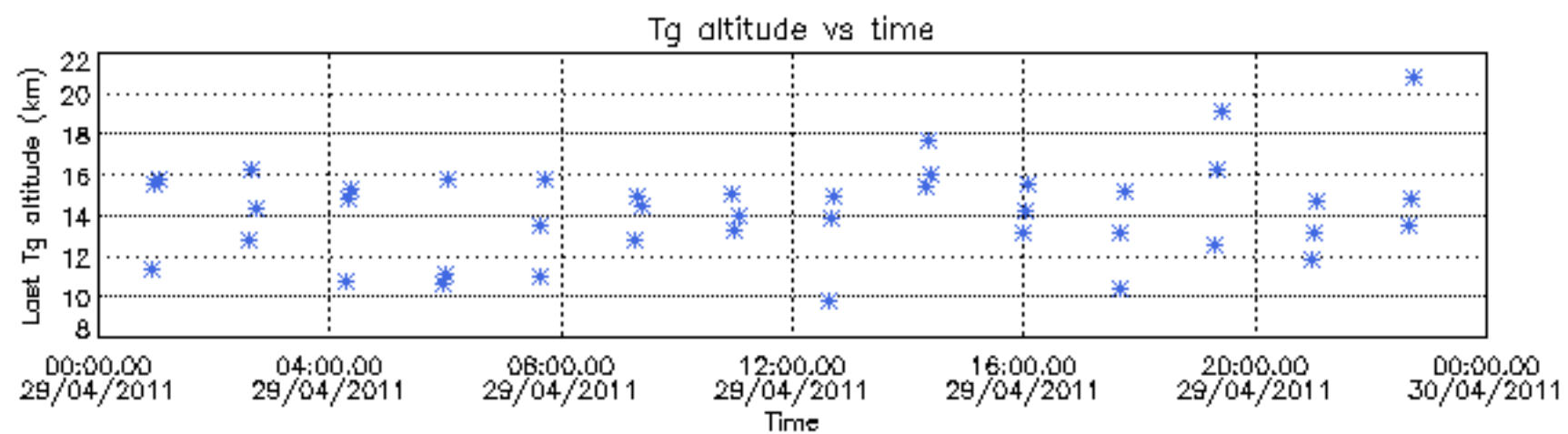
Percentage of star falling outside central band per profile



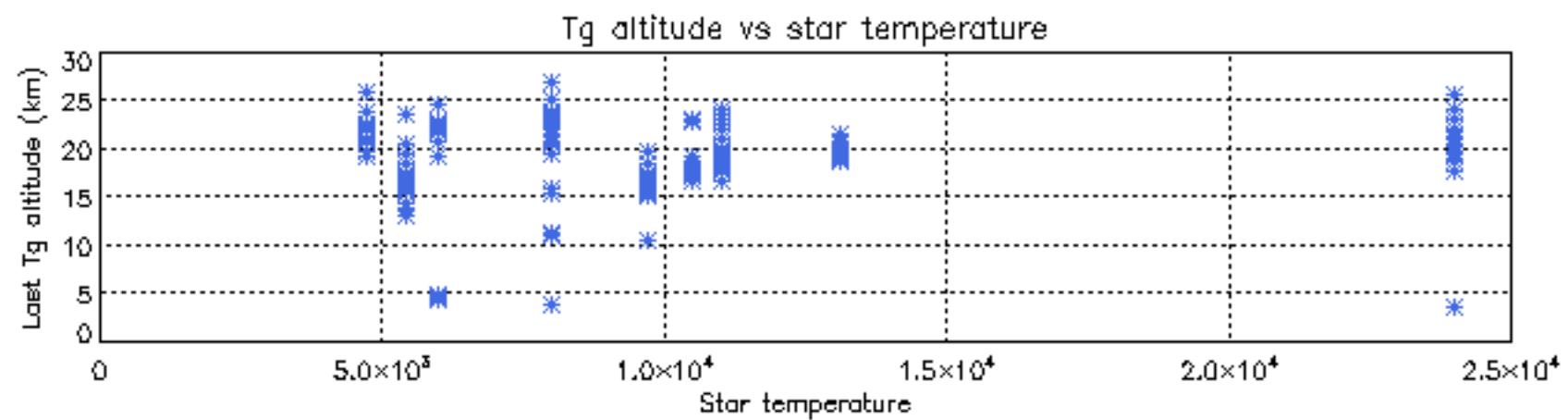
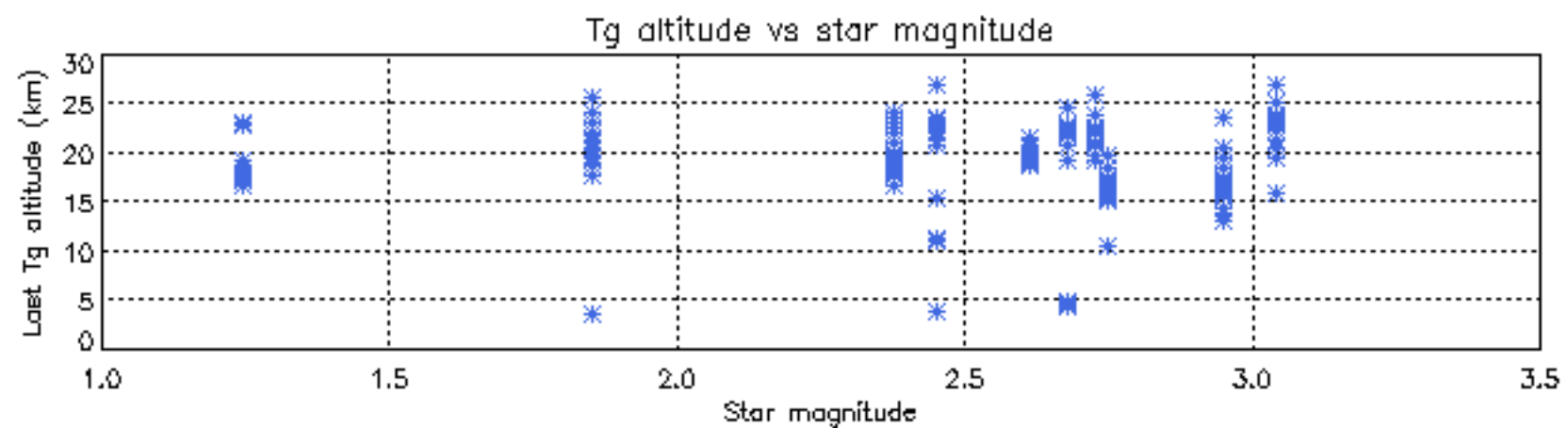
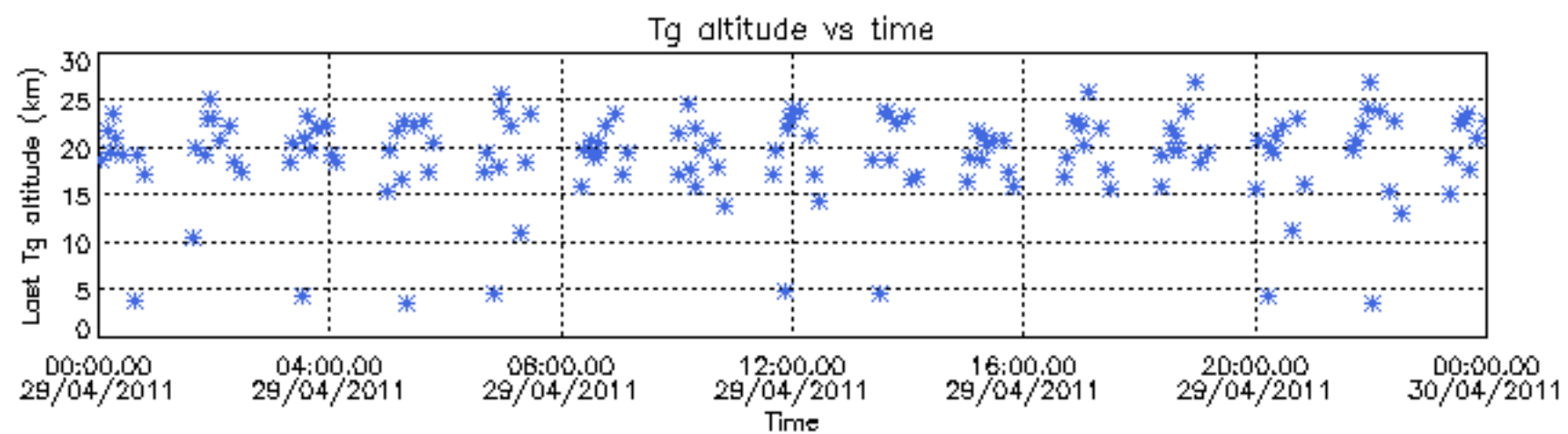
Percentage of saturation errors per profile



Tangent altitude at which the star is lost

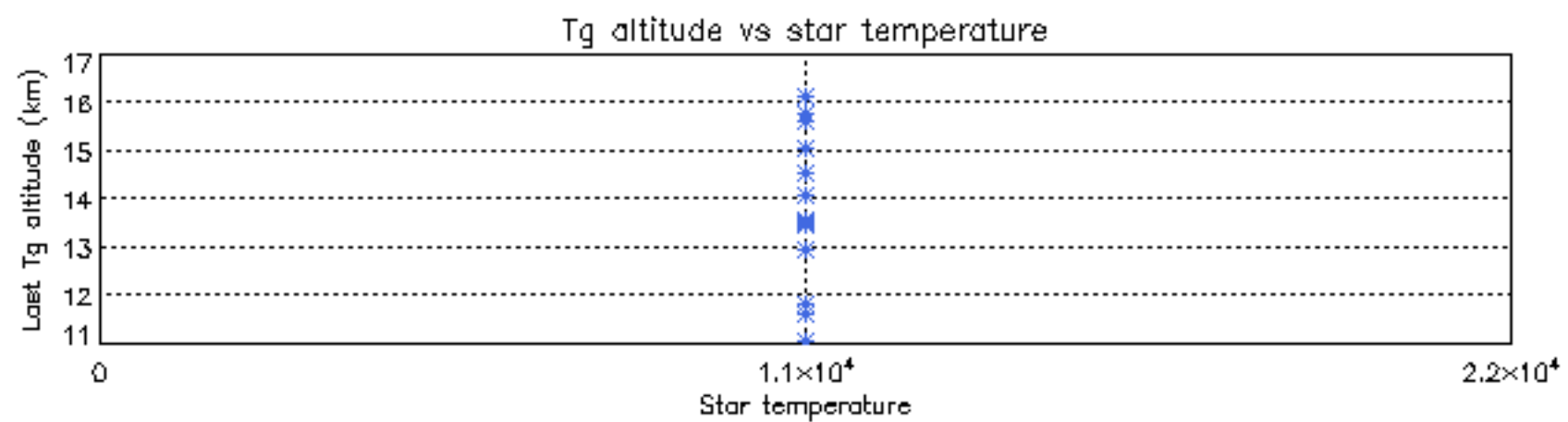
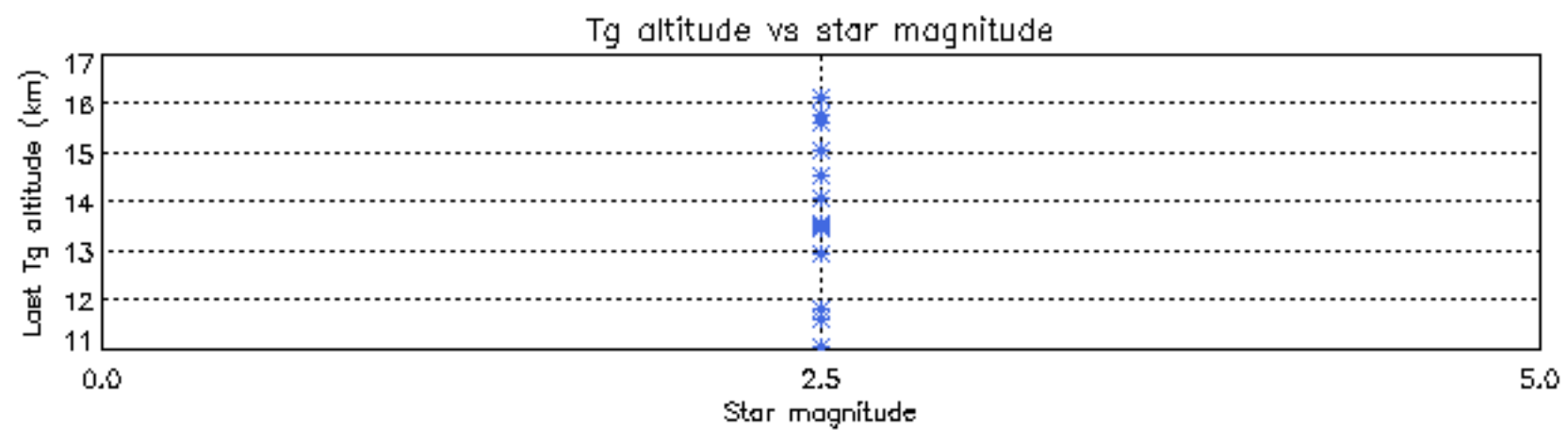
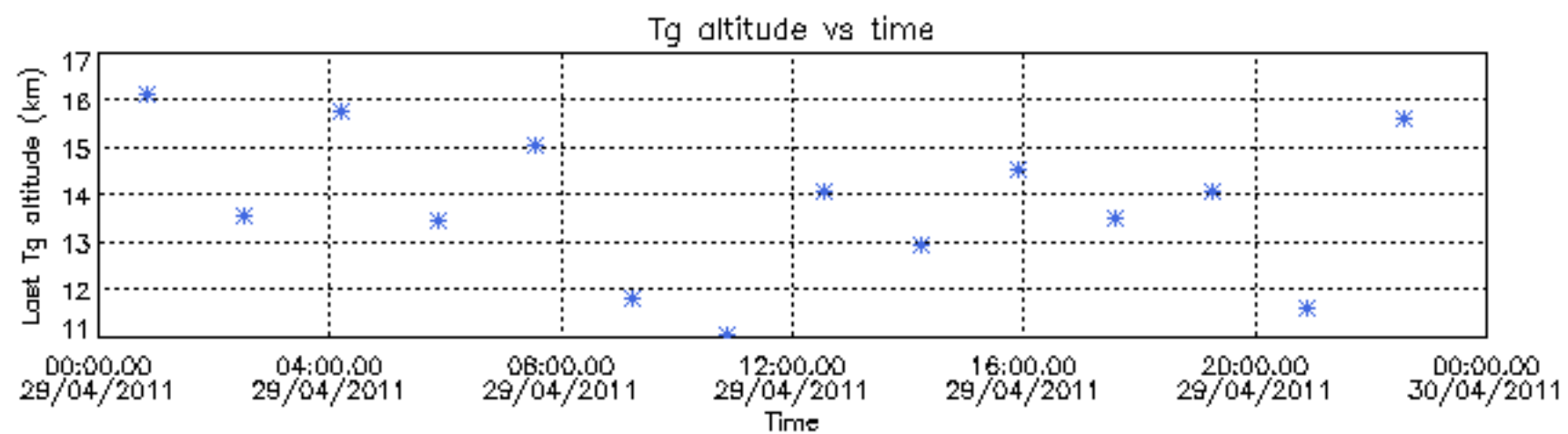


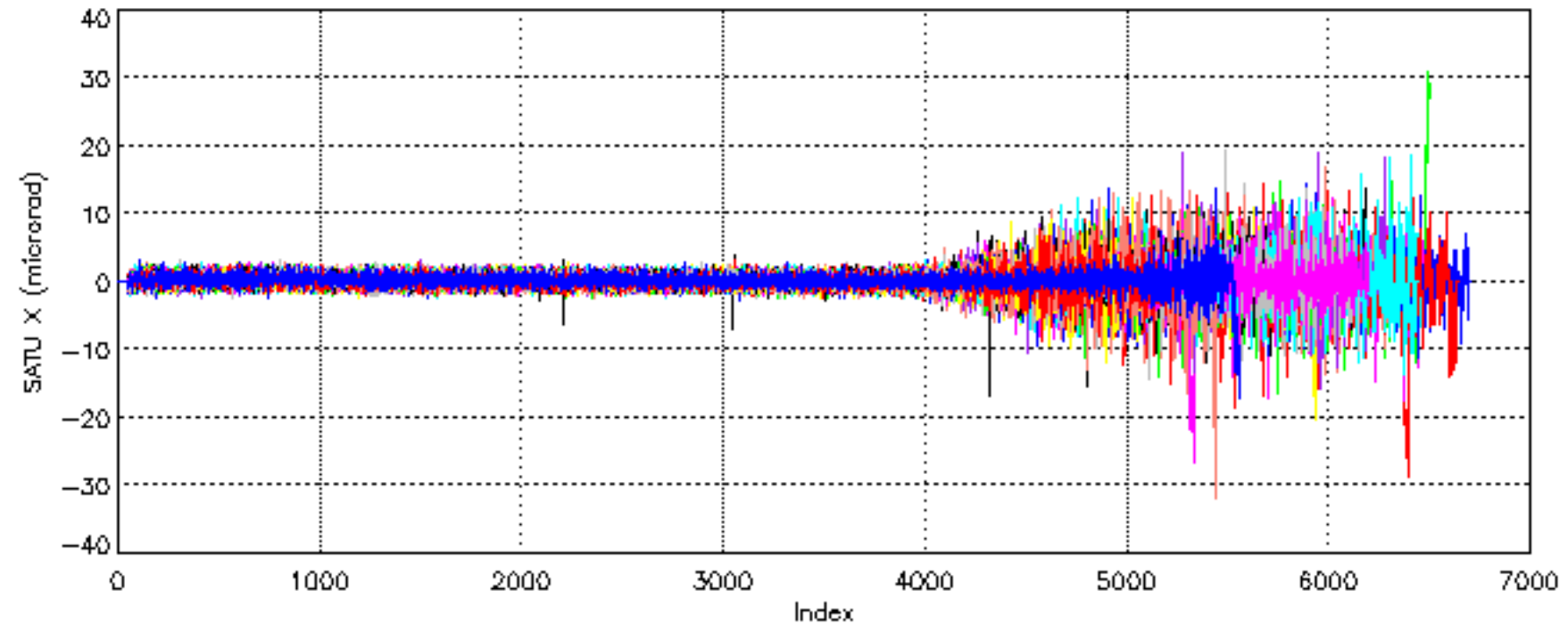
Tangent altitude at which the star is lost

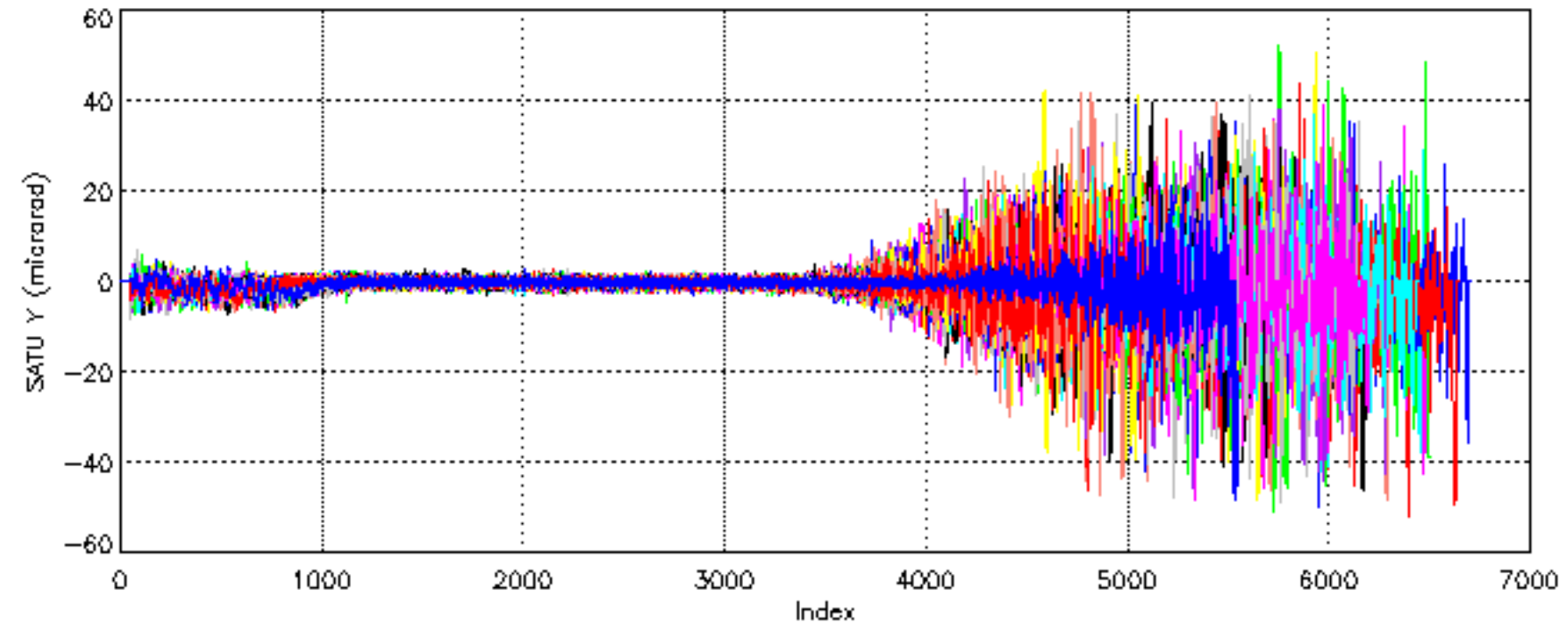


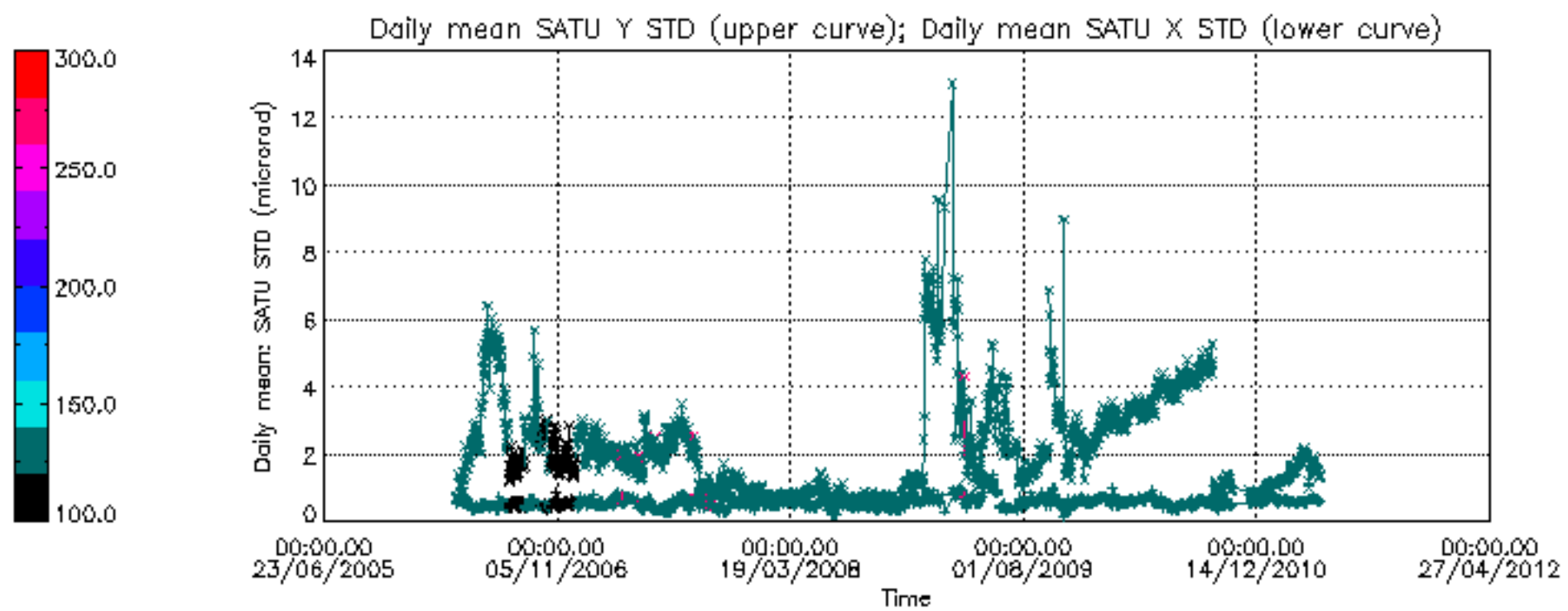


Tangent altitude at which the star is lost











/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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 25; 6310.8; 01-APR-2011 03:23:34; Dark ; 56.0; 40; The Sco ; 1.86; 7100;occ; 112; 0;47504  
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7; 972.6; 05-APR-2011 22:50:55; Dark ; 47.5; 81; Eta Cen ; 2.36; 28000;occ; 95; 0;47573



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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  
 8; 2818.3; 05-APR-2011 15:00:30; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;47568  
 9; 2913.8; 05-APR-2011 15:02:06; Bright; 37.5; 32; 77Eps UMa ; 1.76; 11000;occ; 75; 0;47568  
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 4; 1675.6; 05-APR-2011 16:21:42; Dark ; 66.0; 15; 67Alp Vir ; 0.98; 28000;occ; 132; 0;47569  
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 8; 2818.1; 05-APR-2011 16:40:44; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;47569  
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13; 3876.7; 05-APR-2011 18:38:37; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;47570
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5; 2871.3; 15-APR-2011 10:34:16; Bright; 45.0; 32; 77Eps UMa ; 1.76; 11000;occ; 90; 0;47709
6; 3254.4; 15-APR-2011 10:40:39; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;47709
7; 3336.8; 15-APR-2011 10:42:02; Bright; 48.5; 119; 14Eta Dra ; 2.73; 4700;occ; 97; 0;47709
8; 3858.1; 15-APR-2011 10:50:43; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;47709
9; 4172.2; 15-APR-2011 10:55:57; Bright; 49.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 99; 0;47709
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 12; 4877.6; 15-APR-2011 11:07:43; Dark ; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;47709  
 13; 5025.3; 15-APR-2011 11:10:10; Dark ; 45.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 91; 0;47709  
 14; 5183.1; 15-APR-2011 11:12:48; Dark ; 50.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 100; 0;47709  
 15; 5325.9; 15-APR-2011 11:15:11; Dark ; 46.0; 142; 49Del Cap ; 2.85; 8900;occ; 92; 0;47709  
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 19; 6510.4; 15-APR-2011 11:34:55; Dark ; 46.0; 147; Alp Ara ; 2.88; 26000;occ; 92; 0;47710  
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 22; 6955.6; 15-APR-2011 11:42:21; Dark ; 47.5; 131; Gam Lup ; 2.80; 26000;occ; 95; 0;47710  
 23; 7055.0; 15-APR-2011 11:44:00; Dark ; 43.5; 81; Eta Cen ; 2.36; 28000;occ; 87; 0;47710  
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 8; 3254.0; 15-APR-2011 12:20:53; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;47710  
 9; 3858.1; 15-APR-2011 12:30:57; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;47710  
 10; 4172.1; 15-APR-2011 12:36:11; Bright; 50.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 100; 0;47710  
 11; 4278.2; 15-APR-2011 12:37:57; Bright; 76.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 152; 0;47710  
 12; 4431.7; 15-APR-2011 12:40:31; Bright; 57.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 115; 0;47710  
 13; 4877.9; 15-APR-2011 12:47:57; Dark ; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;47710  
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 15; 5183.6; 15-APR-2011 12:53:03; Dark ; 51.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 103; 0;47710  
 16; 5326.4; 15-APR-2011 12:55:25; Dark ; 43.5; 142; 49Del Cap ; 2.85; 8900;occ; 87; 0;47710  
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 21; 6614.8; 15-APR-2011 13:16:54; Dark ; 60.0; 25; 35Lam Sco ; 1.62; 28000;occ; 120; 0;47711  
 22; 6849.6; 15-APR-2011 13:20:49; Dark ; 78.0; 75; 26Eps Sco ; 2.29; 4250;occ; 156; 0;47711  
 23; 6956.3; 15-APR-2011 13:22:35; Dark ; 49.0; 131; Gam Lup ; 2.80; 26000;occ; 98; 0;47711  
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 10; 4172.2; 15-APR-2011 14:16:25; Bright; 51.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 102; 0;47711  
 11; 4278.3; 15-APR-2011 14:18:11; Bright; 54.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 109; 0;47711  
 12; 4432.0; 15-APR-2011 14:20:45; Bright; 54.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 109; 0;47711  
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2;	1681.2;	15-APR-2011	15:15:08;	Bright;	;	42.0;	15;	67Alp Vir	;	0.98;	28000;occ;	84;	0;47712
3;	2088.4;	15-APR-2011	15:21:55;	Bright;	;	38.0;	138;	47Eps Vir	;	2.83;	4700;occ;	76;	0;47712
4;	2287.9;	15-APR-2011	15:25:15;	Bright;	;	46.5;	111;	8Eta Boo	;	2.68;	6000;occ;	93;	0;47712
5;	2572.6;	15-APR-2011	15:29:59;	Bright;	;	39.0;	152;	12Alp2CVn	;	2.89;	11000;occ;	78;	0;47712
6;	2758.7;	15-APR-2011	15:33:06;	Bright;	;	74.0;	180;	27Gam Boo	;	3.04;	8000;occ;	148;	0;47712
7;	2870.9;	15-APR-2011	15:34:58;	Bright;	;	35.0;	32;	77Eps UMa	;	1.76;	11000;occ;	70;	0;47712
8;	3253.5;	15-APR-2011	15:41:20;	Bright;	;	37.0;	60;	7Bet UMi	;	2.08;	3950;occ;	74;	0;47712
9;	3858.1;	15-APR-2011	15:51:25;	Bright;	;	38.5;	89;	5Alp Cep	;	2.45;	8000;occ;	77;	0;47712
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11;	4278.3;	15-APR-2011	15:58:25;	Bright;	;	53.0;	66;	37Gam Cyg	;	2.21;	5900;occ;	106;	0;47712
12;	4432.2;	15-APR-2011	16:00:59;	Bright;	;	58.5;	92;	53Eps Cyg	;	2.50;	4500;occ;	117;	0;47712
13;	4879.3;	15-APR-2011	16:08:26;	Dark	;	50.0;	61;	8Eps Peg	;	2.10;	3900;occ;	100;	0;47712
14;	5027.0;	15-APR-2011	16:10:54;	Dark	;	46.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	93;	0;47712
15;	5185.0;	15-APR-2011	16:13:32;	Dark	;	49.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	98;	0;47712
16;	5327.9;	15-APR-2011	16:15:55;	Dark	;	46.5;	142;	49Del Cap	;	2.85;	8900;occ;	93;	0;47712
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19;	6384.3;	15-APR-2011	16:33:31;	Dark	;	61.5;	38;	20Eps Sgr	;	1.84;	11000;occ;	123;	0;47713
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21;	6617.6;	15-APR-2011	16:37:24;	Dark	;	61.0;	25;	35Lam Sco	;	1.62;	28000;occ;	122;	0;47713
22;	6851.9;	15-APR-2011	16:41:19;	Dark	;	64.5;	75;	26Eps Sco	;	2.29;	4250;occ;	129;	0;47713
23;	7056.5;	15-APR-2011	16:44:43;	Dark	;	45.0;	81;	Eta Cen	;	2.36;	28000;occ;	90;	0;47713
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3;	1681.1;	15-APR-2011	16:55:22;	Bright;	;	44.5;	15;	67Alp Vir	;	0.98;	28000;occ;	89;	0;47713
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5;	2287.4;	15-APR-2011	17:05:28;	Bright;	;	47.5;	111;	8Eta Boo	;	2.68;	6000;occ;	95;	0;47713
6;	2572.2;	15-APR-2011	17:10:13;	Bright;	;	39.0;	152;	12Alp2CVn	;	2.89;	11000;occ;	78;	0;47713
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11;	4171.6;	15-APR-2011	17:36:53;	Bright;	;	54.5;	19;	50Alp Cyg	;	1.25;	10500;occ;	109;	0;47713
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13;	4432.2;	15-APR-2011	17:41:13;	Bright;	;	57.0;	92;	53Eps Cyg	;	2.50;	4500;occ;	114;	0;47713
14;	4879.5;	15-APR-2011	17:48:40;	Dark	;	51.5;	61;	8Eps Peg	;	2.10;	3900;occ;	103;	0;47713
15;	5027.5;	15-APR-2011	17:51:08;	Dark	;	45.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	91;	0;47713
16;	5185.6;	15-APR-2011	17:53:47;	Dark	;	49.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	98;	0;47713
17;	5328.3;	15-APR-2011	17:56:09;	Dark	;	41.0;	142;	49Del Cap	;	2.85;	8900;occ;	82;	0;47713
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19;	6173.3;	15-APR-2011	18:10:14;	Dark	;	65.0;	103;	38Zet Sgr	;	2.60;	9700;occ;	130;	0;47714
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21;	6513.9;	15-APR-2011	18:15:55;	Dark	;	46.5;	147;	Alp Ara	;	2.88;	26000;occ;	93;	0;47714
22;	6618.7;	15-APR-2011	18:17:40;	Dark	;	61.0;	25;	35Lam Sco	;	1.62;	28000;occ;	122;	0;47714
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6;	2572.2;	15-APR-2011	18:50:27;	Bright;	;	40.0;	152;	12Alp2CVn	;	2.89;	11000;occ;	80;	0;47714
7;	2756.8;	15-APR-2011	18:53:32;	Bright;	;	52.5;	180;	27Gam Boo	;	3.04;	8000;occ;	105;	0;47714
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9;	3252.8;	15-APR-2011	19:01:48;	Bright;	;	40.5;	60;	7Bet UMi	;	2.08;	3950;occ;	81;	0;47714
10;	3857.7;	15-APR-2011	19:11:53;	Bright;	;	39.0;	89;	5Alp Cep	;	2.45;	8000;occ;	78;	0;47714
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13;	4432.1;	15-APR-2011	19:21:27;	Bright;	;	55.0;	92;	53Eps Cyg	;	2.50;	4500;occ;	110;	0;47714
14;	4879.8;	15-APR-2011	19:28:55;	Dark	;	56.0;	61;	8Eps Peg	;	2.10;	3900;occ;	112;	0;47714
15;	5027.8;	15-APR-2011	19:31:23;	Dark	;	47.0;	162;	34Alp Aqr	;	2.94;	5350;occ;	94;	0;47714
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17;	5328.8;	15-APR-2011	19:36:24;	Dark	;	44.0;	142;	49Del Cap	;	2.85;	8900;occ;	88;	0;47714
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9; 4167.2; 17-APR-2011 11:22:38; Bright; 48.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 96; 0;47738  
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