

# GOMOS Daily Report 30-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	03MAY2011 07:05:28
Data source version	GOMOS/5.01
Start time of products	30APR2011 00:03:47
Stop time of products	30APR2011 23:54:41
Store outputs in DB	Yes
Nb of level 1b prods	296
Nb of prods with errors	3

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

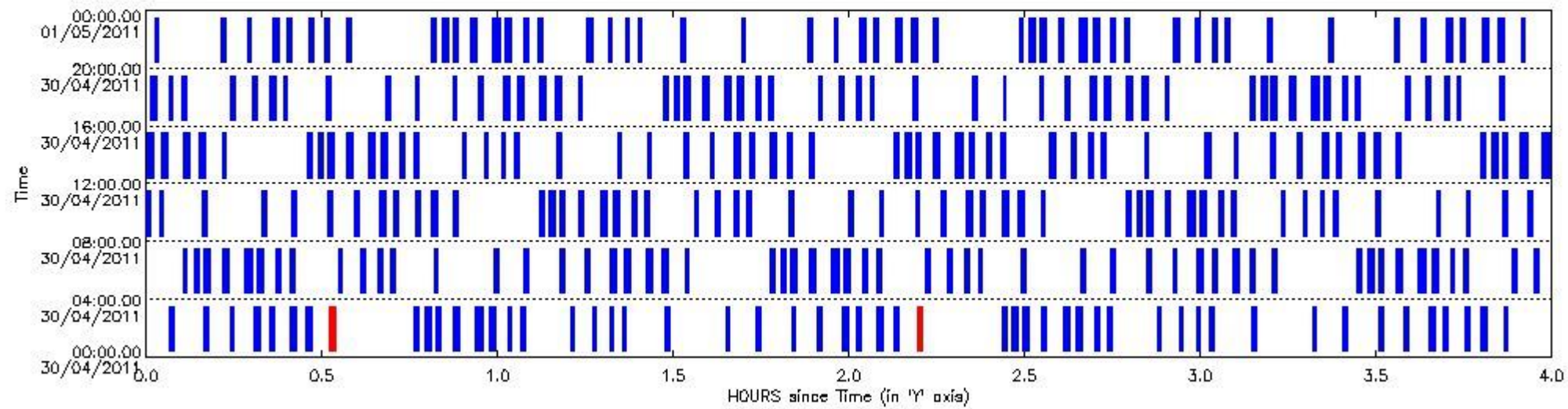
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
30-APR-2011 00:31:20	GamGru	172	47918
30-APR-2011 02:11:35	GamGru	172	47919

### 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_1PNPDE20110430_000347_000000503102_00059_47918_9281.N1	30-APR-2011 00:03:47	Bright	50.000	19	50Alp Cyg	1.2460	10500.	100	47918	No
2	GOM_TRA_1PNPDE20110430_000954_000000433102_00059_47918_9282.N1	30-APR-2011 00:09:54	Bright	43.000	164	44Eta Peg	2.9480	5400.0	86	47918	No
3	GOM_TRA_1PNPDE20110430_001418_000000423102_00059_47918_9283.N1	30-APR-2011 00:14:18	Twilight	42.000	90	54Alp Peg	2.4870	11000.	84	47918	No
4	GOM_TRA_1PNPDE20110430_001830_000000653102_00059_47918_9284.N1	30-APR-2011 00:18:30	Dark	65.000	61	8Eps Peg	2.1000	3900.0	130	47918	No
5	GOM_TRA_1PNPDE20110430_002057_000000533102_00059_47918_9285.N1	30-APR-2011 00:20:57	Dark	52.500	162	34Alp Aqr	2.9440	5350.0	105	47918	No
6	GOM_TRA_1PNPDE20110430_002435_000000583102_00059_47918_9296.N1	30-APR-2011 00:24:35	Dark	58.000	154	22Bet Aqr	2.8990	5700.0	116	47918	No
7	GOM_TRA_1PNPDE20110430_004548_000000433102_00060_47919_9297.N1	30-APR-2011 00:45:48	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	47919	No
8	GOM_TRA_1PNPDE20110430_004736_000000553102_00060_47919_9298.N1	30-APR-2011 00:47:36	Straylight	54.500	40	The Sco	1.8590	7100.0	109	47919	No
9	GOM_TRA_1PNPDE20110430_004920_000000613102_00060_47919_9299.N1	30-APR-2011 00:49:20	Straylight	61.000	25	35Lam Sco	1.6200	28000.	122	47919	No

10	GOM_TRA_1PNPDE20110430_005229_000000603102_00060_47919_9300.N1	30-APR-2011 00:52:29	Straylight	60.000	75	26Eps Sco	2.2910	4250.0	120	47919	No
11	GOM_TRA_1PNPDE20110430_005614_000000713102_00060_47919_9301.N1	30-APR-2011 00:56:14	Twilight	71.000	16	21Alp Sco	1.0200	3000.0	142	47919	No
12	GOM_TRA_1PNPDE20110430_005830_000000623102_00060_47919_9302.N1	30-APR-2011 00:58:30	Twilight	61.500	80	7Del Sco	2.3160	30000.	123	47919	No
13	GOM_TRA_1PNPDE20110430_010141_000000453102_00060_47919_9303.N1	30-APR-2011 01:01:41	Bright	45.000	122	9Alp2Lib	2.7470	9700.0	90	47919	No
14	GOM_TRA_1PNPDE20110430_010359_000000493102_00060_47919_9304.N1	30-APR-2011 01:03:59	Bright	48.500	104	27Bet Lib	2.6140	13100.	97	47919	No
15	GOM_TRA_1PNPDE20110430_011224_000000403102_00060_47919_9305.N1	30-APR-2011 01:12:24	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	47919	No
16	GOM_TRA_1PNPDE20110430_011607_000000473102_00060_47919_9306.N1	30-APR-2011 01:16:07	Bright	46.500	83		2.3780	11000.	93	47919	No
17	GOM_TRA_1PNPDE20110430_011906_000000413102_00060_47919_9307.N1	30-APR-2011 01:19:06	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	47919	No
18	GOM_TRA_1PNPDE20110430_012119_000000373102_00060_47919_9308.N1	30-APR-2011 01:21:19	Bright	36.500	39	85Eta UMa	1.8540	24000.	73	47919	No
19	GOM_TRA_1PNPDE20110430_012839_000000453102_00060_47919_9309.N1	30-APR-2011 01:28:39	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	47919	No
20	GOM_TRA_1PNPDE20110430_013853_000000413102_00060_47919_9310.N1	30-APR-2011 01:38:53	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	47919	No
21	GOM_TRA_1PNPDE20110430_014401_000000503102_00060_47919_9311.N1	30-APR-2011 01:44:01	Bright	50.000	19	50Alp Cyg	1.2460	10500.	100	47919	No
22	GOM_TRA_1PNPDE20110430_015008_000000453102_00060_47919_9312.N1	30-APR-2011 01:50:08	Bright	45.000	164	44Eta Peg	2.9480	5400.0	90	47919	No
23	GOM_TRA_1PNPDE20110430_015432_000000443102_00060_47919_9313.N1	30-APR-2011 01:54:32	Twilight	43.500	90	54Alp Peg	2.4870	11000.	87	47919	No
24	GOM_TRA_1PNPDE20110430_015845_000000643102_00060_47919_9314.N1	30-APR-2011 01:58:45	Dark	63.500	61	8Eps Peg	2.1000	3900.0	127	47919	No
25	GOM_TRA_1PNPDE20110430_020111_000000553102_00060_47919_9320.N1	30-APR-2011 02:01:11	Dark	54.500	162	34Alp Aqr	2.9440	5350.0	109	47919	No
26	GOM_TRA_1PNPDE20110430_020450_000000613102_00060_47919_9321.N1	30-APR-2011 02:04:50	Dark	61.000	154	22Bet Aqr	2.8990	5700.0	122	47919	No
27	GOM_TRA_1PNPDE20110430_022603_000000493102_00061_47920_9322.N1	30-APR-2011 02:26:03	Straylight	49.000	141	Bet Ara	2.8400	4600.0	98	47920	No
28	GOM_TRA_1PNPDE20110430_022751_000000633102_00061_47920_9323.N1	30-APR-2011 02:27:51	Straylight	63.000	40	The Sco	1.8590	7100.0	126	47920	No
29	GOM_TRA_1PNPDE20110430_022935_000000623102_00061_47920_9324.N1	30-APR-2011 02:29:35	Straylight	62.000	25	35Lam Sco	1.6200	28000.	124	47920	No
30	GOM_TRA_1PNPDE20110430_023243_000000593102_00061_47920_9325.N1	30-APR-2011 02:32:43	Straylight	58.500	75	26Eps Sco	2.2910	4250.0	117	47920	No
31	GOM_TRA_1PNPDE20110430_023629_000000773102_00061_47920_9326.N1	30-APR-2011 02:36:29	Twilight	77.000	16	21Alp Sco	1.0200	3000.0	154	47920	No
32	GOM_TRA_1PNPDE20110430_023844_000000633102_00061_47920_9327.N1	30-APR-2011 02:38:44	Twilight	63.000	80	7Del Sco	2.3160	30000.	126	47920	No
33	GOM_TRA_1PNPDE20110430_024156_000000463102_00061_47920_9328.N1	30-APR-2011 02:41:56	Bright	46.000	122	9Alp2Lib	2.7470	9700.0	92	47920	No
34	GOM_TRA_1PNPDE20110430_024413_000000493102_00061_47920_9329.N1	30-APR-2011 02:44:13	Bright	49.000	104	27Bet Lib	2.6140	13100.	98	47920	No
35	GOM_TRA_1PNPDE20110430_025237_000000403102_00061_47920_9330.N1	30-APR-2011 02:52:37	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	47920	No
36	GOM_TRA_1PNPDE20110430_025620_000000463102_00061_47920_9331.N1	30-APR-2011 02:56:20	Bright	46.000	83		2.3780	11000.	92	47920	No
37	GOM_TRA_1PNPDE20110430_025920_000000403102_00061_47920_9332.N1	30-APR-2011 02:59:20	Bright	39.500	180	27Gam Boo	3.0400	8000.0	79	47920	No
38	GOM_TRA_1PNPDE20110430_030133_000000393102_00061_47920_9333.N1	30-APR-2011 03:01:33	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	47920	No
39	GOM_TRA_1PNPDE20110430_030852_000000433102_00061_47920_9334.N1	30-APR-2011 03:08:52	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	47920	No
40	GOM_TRA_1PNPDE20110430_031906_000000423102_00061_47920_9343.N1	30-APR-2011 03:19:06	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	47920	No
41	GOM_TRA_1PNPDE20110430_032415_000000453102_00061_47920_9344.N1	30-APR-2011 03:24:15	Bright	45.000	19	50Alp Cyg	1.2460	10500.	90	47920	No
42	GOM_TRA_1PNPDE20110430_033022_000000463102_00061_47920_9345.N1	30-APR-2011 03:30:22	Bright	45.500	164	44Eta Peg	2.9480	5400.0	91	47920	No
43	GOM_TRA_1PNPDE20110430_033447_000000443102_00061_47920_9346.N1	30-APR-2011 03:34:47	Twilight	44.000	90	54Alp Peg	2.4870	11000.	88	47920	No
44	GOM_TRA_1PNPDE20110430_033859_000000673102_00061_47920_9347.N1	30-APR-2011 03:38:59	Dark	66.500	61	8Eps Peg	2.1000	3900.0	133	47920	No
45	GOM_TRA_1PNPDE20110430_034126_000000523102_00061_47920_9348.N1	30-APR-2011 03:41:26	Dark	52.000	162	34Alp Aqr	2.9440	5350.0	104	47920	No
46	GOM_TRA_1PNPDE20110430_034506_000000603102_00061_47920_9349.N1	30-APR-2011 03:45:06	Dark	59.500	154	22Bet Aqr	2.8990	5700.0	119	47920	No
47	GOM_TRA_1PNPDE20110430_035144_000000413102_00061_47920_9350.N1	30-APR-2011 03:51:44	Dark	41.000	172	Gam Gru	3.0030	13100.	82	47920	No
48	GOM_TRA_1PNPDE20110430_040617_000000423102_00062_47921_9351.N1	30-APR-2011 04:06:17	Straylight	42.000	141	Bet Ara	2.8400	4600.0	84	47921	No
49	GOM_TRA_1PNPDE20110430_040806_000000593102_00062_47921_9352.N1	30-APR-2011 04:08:06	Straylight	58.500	40	The Sco	1.8590	7100.0	117	47921	No
50	GOM_TRA_1PNPDE20110430_040950_000000633102_00062_47921_9353.N1	30-APR-2011 04:09:50	Straylight	62.500	25	35Lam Sco	1.6200	28000.	125	47921	No
51	GOM_TRA_1PNPDE20110430_041258_000000613102_00062_47921_9354.N1	30-APR-2011 04:12:58	Straylight	60.500	75	26Eps Sco	2.2910	4250.0	121	47921	No
52	GOM_TRA_1PNPDE20110430_041643_000000823102_00062_47921_9355.N1	30-APR-2011 04:16:43	Twilight	82.000	16	21Alp Sco	1.0200	3000.0	164	47921	No
53	GOM_TRA_1PNPDE20110430_041859_000000643102_00062_47921_9356.N1	30-APR-2011 04:18:59	Twilight	64.000	80	7Del Sco	2.3160	30000.	128	47921	No
54	GOM_TRA_1PNPDE20110430_042210_000000453102_00062_47921_9357.N1	30-APR-2011 04:22:10	Bright	45.000	122	9Alp2Lib	2.7470	9700.0	90	47921	No
55	GOM_TRA_1PNPDE20110430_042427_000000503102_00062_47921_9358.N1	30-APR-2011 04:24:27	Bright	49.500	104	27Bet Lib	2.6140	13100.	99	47921	No
56	GOM_TRA_1PNPDE20110430_043252_000000393102_00062_47921_9359.N1	30-APR-2011 04:32:52	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	47921	No
57	GOM_TRA_1PNPDE20110430_043634_000000483102_00062_47921_9360.N1	30-APR-2011 04:36:34	Bright	48.000	83		2.3780	11000.	96	47921	No
58	GOM_TRA_1PNPDE20110430_043933_000000433102_00062_47921_9361.N1	30-APR-2011 04:39:33	Bright	42.500	180	27Gam Boo	3.0400	8000.0	85	47921	No
59	GOM_TRA_1PNPDE20110430_044147_000000383102_00062_47921_9362.N1	30-APR-2011 04:41:47	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	47921	No
60	GOM_TRA_1PNPDE20110430_044905_000000443102_00062_47921_9363.N1	30-APR-2011 04:49:05	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	47921	No
61	GOM_TRA_1PNPDE20110430_045920_000000443102_00062_47921_9366.N1	30-APR-2011 04:59:20	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	47921	No
62	GOM_TRA_1PNPDE20110430_050429_000000453102_00062_47921_9367.N1	30-APR-2011 05:04:29	Bright	45.000	19	50Alp Cyg	1.2460	10500.	90	47921	No
63	GOM_TRA_1PNPDE20110430_051037_000000453102_00062_47921_9368.N1	30-APR-2011 05:10:37	Bright	45.000	164	44Eta Peg	2.9480	5400.0	90	47921	No
64	GOM_TRA_1PNPDE20110430_051501_000000433102_00062_47921_9369.N1	30-APR-2011 05:15:01	Twilight	42.500	90	54Alp Peg	2.4870	11000.	85	47921	No
65	GOM_TRA_1PNPDE20110430_051914_000000673102_00062_47921_9370.N1	30-APR-2011 05:19:14	Dark	66.500	61	8Eps Peg	2.1000	3900.0	133	47921	No
66	GOM_TRA_1PNPDE20110430_052141_000000533102_00062_47921_9371.N1	30-APR-2011 05:21:41	Dark	52.500	162	34Alp Aqr	2.9440	5350.0	105	47921	No
67	GOM_TRA_1PNPDE20110430_052521_000000653102_00062_47921_9372.N1	30-APR-2011 05:25:21	Dark	64.500	154	22Bet Aqr	2.8990	5700.0	129	47921	No
68	GOM_TRA_1PNPDE20110430_053200_000000433102_00062_47921_9373.N1	30-APR-2011 05:32:00	Dark	42.500	172	Gam Gru	3.0030	13100.	85	47921	No



69	GOM_TRA_1PNPDE20110430_054632_000000453102_00063_47922_9374.N1	30-APR-2011 05:46:32	Straylight	44.500	141	Bet Ara	2.8400	4600.0	89	47922	No
70	GOM_TRA_1PNPDE20110430_054821_000000533102_00063_47922_9375.N1	30-APR-2011 05:48:21	Straylight	52.500	40	The Sco	1.8590	7100.0	105	47922	No
71	GOM_TRA_1PNPDE20110430_055005_000000593102_00063_47922_9376.N1	30-APR-2011 05:50:05	Straylight	58.500	25	35Lam Sco	1.6200	28000.	117	47922	No
72	GOM_TRA_1PNPDE20110430_055313_000000633102_00063_47922_9377.N1	30-APR-2011 05:53:13	Straylight	62.500	75	26Eps Sco	2.2910	4250.0	125	47922	No
73	GOM_TRA_1PNPDE20110430_055658_000000813102_00063_47922_9378.N1	30-APR-2011 05:56:58	Tw_i_and_stray	81.000	16	21Alp Sco	1.0200	3000.0	162	47922	No
74	GOM_TRA_1PNPDE20110430_055913_000000623102_00063_47922_9379.N1	30-APR-2011 05:59:13	Tw_i_and_stray	61.500	80	7Del Sco	2.3160	30000.	123	47922	No
75	GOM_TRA_1PNPDE20110430_060224_000000453102_00063_47922_9380.N1	30-APR-2011 06:02:24	Bright	45.000	122	9Alp2Lib	2.7470	9700.0	90	47922	No
76	GOM_TRA_1PNPDE20110430_060441_000000493102_00063_47922_9381.N1	30-APR-2011 06:04:41	Bright	48.500	104	27Bet Lib	2.6140	13100.	97	47922	No
77	GOM_TRA_1PNPDE20110430_061305_000000393102_00063_47922_9382.N1	30-APR-2011 06:13:05	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	47922	No
78	GOM_TRA_1PNPDE20110430_061647_000000453102_00063_47922_9383.N1	30-APR-2011 06:16:47	Bright	45.000	83		2.3780	11000.	90	47922	No
79	GOM_TRA_1PNPDE20110430_061947_000000413102_00063_47922_9384.N1	30-APR-2011 06:19:47	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	47922	No
80	GOM_TRA_1PNPDE20110430_062201_000000383102_00063_47922_9385.N1	30-APR-2011 06:22:01	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	47922	No
81	GOM_TRA_1PNPDE20110430_062919_000000443102_00063_47922_9386.N1	30-APR-2011 06:29:19	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	47922	No
82	GOM_TRA_1PNPDK20110430_063934_000000423102_00063_47922_0623.N1	30-APR-2011 06:39:34	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	47922	No
83	GOM_TRA_1PNPDK20110430_064442_000000413102_00063_47922_0624.N1	30-APR-2011 06:44:42	Bright	41.000	19	50Alp Cyg	1.2460	10500.	82	47922	No
84	GOM_TRA_1PNPDK20110430_065051_000000453102_00063_47922_0625.N1	30-APR-2011 06:50:51	Bright	45.000	164	44Eta Peg	2.9480	5400.0	90	47922	No
85	GOM_TRA_1PNPDK20110430_065516_000000433102_00063_47922_0626.N1	30-APR-2011 06:55:16	Twilight	42.500	90	54Alp Peg	2.4870	11000.	85	47922	No
86	GOM_TRA_1PNPDK20110430_065929_000000633102_00063_47922_0627.N1	30-APR-2011 06:59:29	Dark	62.500	61	8Eps Peg	2.1000	3900.0	125	47922	No
87	GOM_TRA_1PNPDK20110430_070156_000000533102_00063_47922_0628.N1	30-APR-2011 07:01:56	Dark	52.500	162	34Alp Aqr	2.9440	5350.0	105	47922	No
88	GOM_TRA_1PNPDK20110430_070536_000000633102_00063_47922_0629.N1	30-APR-2011 07:05:36	Dark	63.000	154	22Bet Aqr	2.8990	5700.0	126	47922	No
89	GOM_TRA_1PNPDK20110430_071214_000000433102_00063_47922_0630.N1	30-APR-2011 07:12:14	Dark	42.500	172	Gam Gru	3.0030	13100.	85	47922	No
90	GOM_TRA_1PNPDK20110430_072647_000000423102_00064_47923_0631.N1	30-APR-2011 07:26:47	Straylight	41.500	141	Bet Ara	2.8400	4600.0	83	47923	No
91	GOM_TRA_1PNPDK20110430_072836_000000553102_00064_47923_0632.N1	30-APR-2011 07:28:36	Straylight	55.000	40	The Sco	1.8590	7100.0	110	47923	No
92	GOM_TRA_1PNPDK20110430_073020_000000613102_00064_47923_0633.N1	30-APR-2011 07:30:20	Straylight	60.500	25	35Lam Sco	1.6200	28000.	121	47923	No
93	GOM_TRA_1PNPDK20110430_073328_000000613102_00064_47923_0634.N1	30-APR-2011 07:33:28	Straylight	60.500	75	26Eps Sco	2.2910	4250.0	121	47923	No
94	GOM_TRA_1PNPDK20110430_073712_000000823102_00064_47923_0635.N1	30-APR-2011 07:37:12	Tw_i_and_stray	82.000	16	21Alp Sco	1.0200	3000.0	164	47923	No
95	GOM_TRA_1PNPDK20110430_073927_000000643102_00064_47923_0636.N1	30-APR-2011 07:39:27	Tw_i_and_stray	63.500	80	7Del Sco	2.3160	30000.	127	47923	No
96	GOM_TRA_1PNPDK20110430_074238_000000453102_00064_47923_0637.N1	30-APR-2011 07:42:38	Bright	44.500	122	9Alp2Lib	2.7470	9700.0	89	47923	No
97	GOM_TRA_1PNPDK20110430_074455_000000503102_00064_47923_0680.N1	30-APR-2011 07:44:55	Bright	49.500	104	27Bet Lib	2.6140	13100.	99	47923	No
98	GOM_TRA_1PNPDK20110430_075319_000000393102_00064_47923_0681.N1	30-APR-2011 07:53:19	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	47923	No
99	GOM_TRA_1PNPDK20110430_075701_000000493102_00064_47923_0682.N1	30-APR-2011 07:57:01	Bright	49.000	83		2.3780	11000.	98	47923	No
100	GOM_TRA_1PNPDK20110430_080000_000000433102_00064_47923_0683.N1	30-APR-2011 08:00:00	Bright	42.500	180	27Gam Boo	3.0400	8000.0	85	47923	No
101	GOM_TRA_1PNPDK20110430_080214_000000393102_00064_47923_0684.N1	30-APR-2011 08:02:14	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	47923	No
102	GOM_TRA_1PNPDK20110430_080932_000000423102_00064_47923_0685.N1	30-APR-2011 08:09:32	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	47923	No
103	GOM_TRA_1PNPDK20110430_081948_000000473102_00064_47923_0686.N1	30-APR-2011 08:19:48	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	47923	No
104	GOM_TRA_1PNPDK20110430_082456_000000413102_00064_47923_0687.N1	30-APR-2011 08:24:56	Bright	41.000	19	50Alp Cyg	1.2460	10500.	82	47923	No
105	GOM_TRA_1PNPDK20110430_083105_000000453102_00064_47923_0688.N1	30-APR-2011 08:31:05	Bright	45.000	164	44Eta Peg	2.9480	5400.0	90	47923	No
106	GOM_TRA_1PNPDK20110430_083530_000000453102_00064_47923_0689.N1	30-APR-2011 08:35:30	Twilight	45.000	90	54Alp Peg	2.4870	11000.	90	47923	No
107	GOM_TRA_1PNPDK20110430_083944_000000643102_00064_47923_0690.N1	30-APR-2011 08:39:44	Dark	64.000	61	8Eps Peg	2.1000	3900.0	128	47923	No
108	GOM_TRA_1PNPDK20110430_084210_000000553102_00064_47923_0691.N1	30-APR-2011 08:42:10	Dark	54.500	162	34Alp Aqr	2.9440	5350.0	109	47923	No
109	GOM_TRA_1PNPDK20110430_084552_000000613102_00064_47923_0692.N1	30-APR-2011 08:45:52	Dark	60.500	154	22Bet Aqr	2.8990	5700.0	121	47923	No
110	GOM_TRA_1PNPDK20110430_085229_000000413102_00064_47923_0693.N1	30-APR-2011 08:52:29	Dark	41.000	172	Gam Gru	3.0030	13100.	82	47923	No
111	GOM_TRA_1PNPDK20110430_090701_000000483102_00065_47924_0694.N1	30-APR-2011 09:07:01	Straylight	47.500	141	Bet Ara	2.8400	4600.0	95	47924	No
112	GOM_TRA_1PNPDK20110430_090851_000000563102_00065_47924_0695.N1	30-APR-2011 09:08:51	Straylight	56.000	40	The Sco	1.8590	7100.0	112	47924	No
113	GOM_TRA_1PNPDK20110430_091035_000000573102_00065_47924_0696.N1	30-APR-2011 09:10:35	Straylight	57.000	25	35Lam Sco	1.6200	28000.	114	47924	No
114	GOM_TRA_1PNPDK20110430_091342_000000623102_00065_47924_0697.N1	30-APR-2011 09:13:42	Straylight	62.000	75	26Eps Sco	2.2910	4250.0	124	47924	No
115	GOM_TRA_1PNPDK20110430_091727_000000723102_00065_47924_0698.N1	30-APR-2011 09:17:27	Tw_i_and_stray	71.500	16	21Alp Sco	1.0200	3000.0	143	47924	No
116	GOM_TRA_1PNPDK20110430_091942_000000623102_00065_47924_0699.N1	30-APR-2011 09:19:42	Tw_i_and_stray	61.500	80	7Del Sco	2.3160	30000.	123	47924	No
117	GOM_TRA_1PNPDK20110430_092252_000000453102_00065_47924_0700.N1	30-APR-2011 09:22:52	Bright	44.500	122	9Alp2Lib	2.7470	9700.0	89	47924	No
118	GOM_TRA_1PNPDK20110430_092509_000000483102_00065_47924_0701.N1	30-APR-2011 09:25:09	Bright	48.000	104	27Bet Lib	2.6140	13100.	96	47924	No
119	GOM_TRA_1PNPDK20110430_093333_000000393102_00065_47924_0714.N1	30-APR-2011 09:33:33	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	47924	No
120	GOM_TRA_1PNPDK20110430_093714_000000483102_00065_47924_0715.N1	30-APR-2011 09:37:14	Bright	47.500	83		2.3780	11000.	95	47924	No
121	GOM_TRA_1PNPDK20110430_094014_000000613102_00065_47924_0716.N1	30-APR-2011 09:40:14	Bright	61.000	180	27Gam Boo	3.0400	8000.0	122	47924	No
122	GOM_TRA_1PNPDK20110430_094228_000000563102_00065_47924_0717.N1	30-APR-2011 09:42:28	Bright	56.000	39	85Eta UMa	1.8540	24000.	112	47924	No
123	GOM_TRA_1PNPDK20110430_094945_000000463102_00065_47924_0718.N1	30-APR-2011 09:49:45	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	47924	No
124	GOM_TRA_1PNPDK20110430_100001_000000433102_00065_47924_0719.N1	30-APR-2011 10:00:01	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	47924	No
125	GOM_TRA_1PNPDK20110430_100509_000000363102_00065_47924_0720.N1	30-APR-2011 10:05:09	Tw_i_and_stray	36.000	19	50Alp Cyg	1.2460	10500.	72	47924	No
126	GOM_TRA_1PNPDK20110430_101119_000000453102_00065_47924_0721.N1	30-APR-2011 10:11:19	Bright	44.500	164	44Eta Peg	2.9480	5400.0	89	47924	No
127	GOM_TRA_1PNPDK20110430_101544_000000443102_00065_47924_0722.N1	30-APR-2011 10:15:44	Twilight	43.500	90	54Alp Peg	2.4870	11000.	87	47924	No

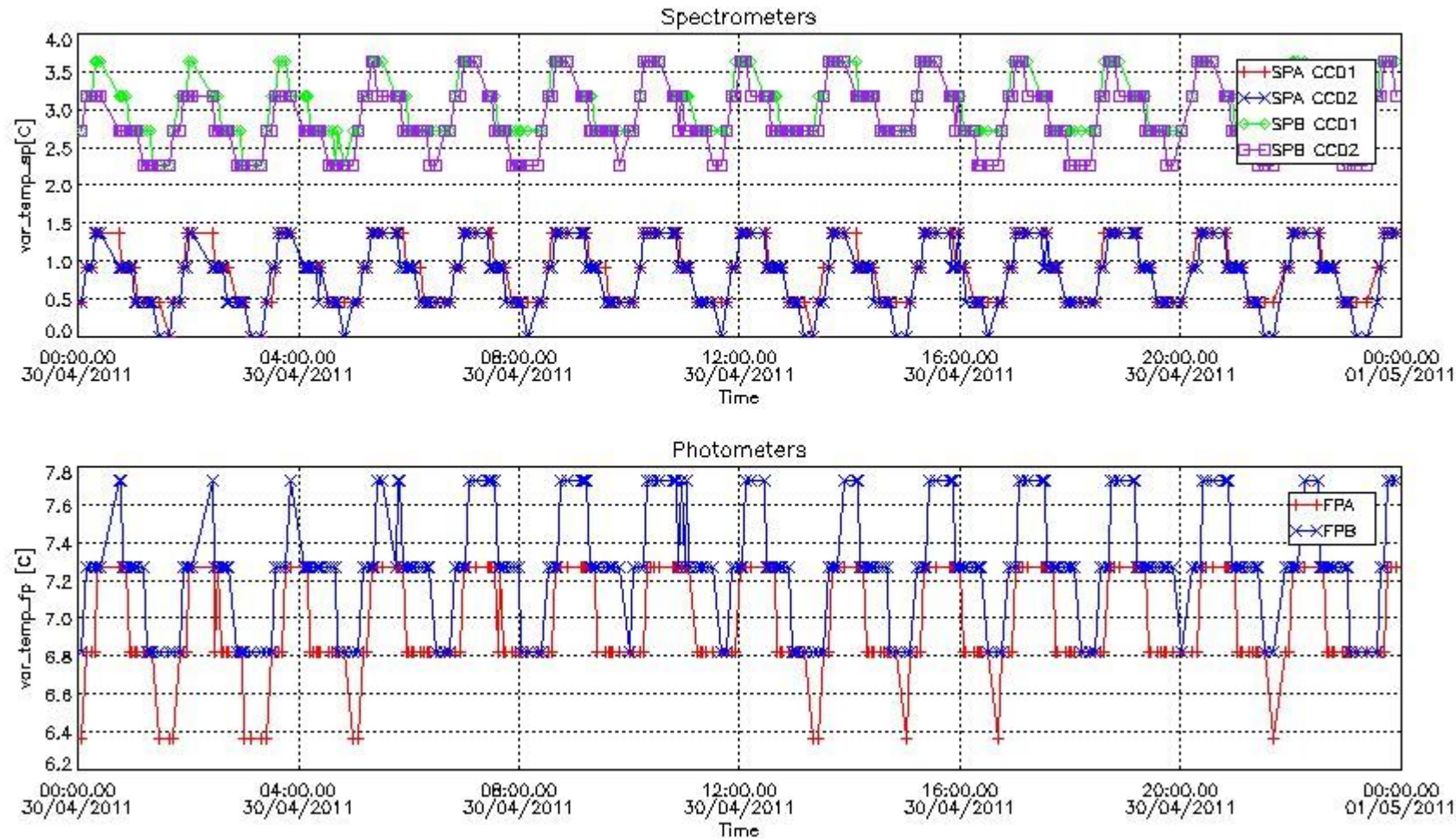
128	GOM_TRA_1PNPDK20110430_101959_000000653102_00065_47924_0723.N1	30-APR-2011 10:19:59	Dark	65.000	61	8Eps Peg	2.1000	3900.0	130	47924	No
129	GOM_TRA_1PNPDK20110430_102225_000000543102_00065_47924_0724.N1	30-APR-2011 10:22:25	Dark	54.000	162	34Alp Aqr	2.9440	5350.0	108	47924	No
130	GOM_TRA_1PNPDK20110430_102607_000000643102_00065_47924_0725.N1	30-APR-2011 10:26:07	Dark	64.000	154	22Bet Aqr	2.8990	5700.0	128	47924	No
131	GOM_TRA_1PNPDK20110430_103244_000000433102_00065_47924_0726.N1	30-APR-2011 10:32:44	Dark	43.000	172	Gam Gru	3.0030	13100.	86	47924	No
132	GOM_TRA_1PNPDK20110430_104716_000000453102_00066_47925_0727.N1	30-APR-2011 10:47:16	Straylight	45.000	141	Bet Ara	2.8400	4600.0	90	47925	No
133	GOM_TRA_1PNPDK20110430_104906_000000533102_00066_47925_0728.N1	30-APR-2011 10:49:06	Straylight	53.000	40	The Sco	1.8590	7100.0	106	47925	No
134	GOM_TRA_1PNPDK20110430_105050_000000603102_00066_47925_0729.N1	30-APR-2011 10:50:50	Straylight	60.000	25	35Lam Sco	1.6200	28000.	120	47925	No
135	GOM_TRA_1PNPDK20110430_105357_000000593102_00066_47925_0730.N1	30-APR-2011 10:53:57	Straylight	59.000	75	26Eps Sco	2.2910	4250.0	118	47925	No
136	GOM_TRA_1PNPDK20110430_105741_000000823102_00066_47925_0731.N1	30-APR-2011 10:57:41	Twilight	82.000	16	21Alp Sco	1.0200	3000.0	164	47925	No
137	GOM_TRA_1PNPDK20110430_105956_000000663102_00066_47925_0732.N1	30-APR-2011 10:59:56	Twilight	65.500	80	7Del Sco	2.3160	30000.	131	47925	No
138	GOM_TRA_1PNPDK20110430_110306_000000453102_00066_47925_0733.N1	30-APR-2011 11:03:06	Bright	44.500	122	9Alp2Lib	2.7470	9700.0	89	47925	No
139	GOM_TRA_1PNPDK20110430_110523_000000493102_00066_47925_0749.N1	30-APR-2011 11:05:23	Bright	48.500	104	27Bet Lib	2.6140	13100.	97	47925	No
140	GOM_TRA_1PNPDK20110430_111347_000000393102_00066_47925_0750.N1	30-APR-2011 11:13:47	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	47925	No
141	GOM_TRA_1PNPDK20110430_111728_000000443102_00066_47925_0751.N1	30-APR-2011 11:17:28	Bright	44.000	83		2.3780	11000.	88	47925	No
142	GOM_TRA_1PNPDK20110430_112027_000000403102_00066_47925_0752.N1	30-APR-2011 11:20:27	Bright	40.000	180	27Gam Boo	3.0400	8000.0	80	47925	No
143	GOM_TRA_1PNPDK20110430_112242_000000413102_00066_47925_0753.N1	30-APR-2011 11:22:42	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	47925	No
144	GOM_TRA_1PNPDK20110430_112959_000000443102_00066_47925_0754.N1	30-APR-2011 11:29:59	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	47925	No
145	GOM_TRA_1PNPDK20110430_114015_000000433102_00066_47925_0755.N1	30-APR-2011 11:40:15	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	47925	No
146	GOM_TRA_1PNPDK20110430_114523_000000363102_00066_47925_0756.N1	30-APR-2011 11:45:23	Twilight	36.000	19	50Alp Cyg	1.2460	10500.	72	47925	No
147	GOM_TRA_1PNPDK20110430_115133_000000453102_00066_47925_0757.N1	30-APR-2011 11:51:33	Bright	44.500	164	44Eta Peg	2.9480	5400.0	89	47925	No
148	GOM_TRA_1PNPDK20110430_115558_000000443102_00066_47925_0758.N1	30-APR-2011 11:55:58	Twilight	44.000	90	54Alp Peg	2.4870	11000.	88	47925	No
149	GOM_TRA_1PNPDK20110430_120013_000000633102_00066_47925_0759.N1	30-APR-2011 12:00:13	Dark	63.000	61	8Eps Peg	2.1000	3900.0	126	47925	No
150	GOM_TRA_1PNPDK20110430_120240_000000543102_00066_47925_0760.N1	30-APR-2011 12:02:40	Dark	54.000	162	34Alp Aqr	2.9440	5350.0	108	47925	No
151	GOM_TRA_1PNPDK20110430_120622_000000613102_00066_47925_0761.N1	30-APR-2011 12:06:22	Dark	60.500	154	22Bet Aqr	2.8990	5700.0	121	47925	No
152	GOM_TRA_1PNPDK20110430_121258_000000433102_00066_47925_0762.N1	30-APR-2011 12:12:58	Dark	42.500	172	Gam Gru	3.0030	13100.	85	47925	No
153	GOM_TRA_1PNPDK20110430_122730_000000503102_00067_47926_0763.N1	30-APR-2011 12:27:30	Straylight	50.000	141	Bet Ara	2.8400	4600.0	100	47926	No
154	GOM_TRA_1PNPDK20110430_122921_000000563102_00067_47926_0764.N1	30-APR-2011 12:29:21	Straylight	56.000	40	The Sco	1.8590	7100.0	112	47926	No
155	GOM_TRA_1PNPDK20110430_123105_000000603102_00067_47926_0765.N1	30-APR-2011 12:31:05	Straylight	60.000	25	35Lam Sco	1.6200	28000.	120	47926	No
156	GOM_TRA_1PNPDK20110430_123412_000000643102_00067_47926_0766.N1	30-APR-2011 12:34:12	Straylight	63.500	75	26Eps Sco	2.2910	4250.0	127	47926	No
157	GOM_TRA_1PNPDK20110430_123756_000000713102_00067_47926_0767.N1	30-APR-2011 12:37:56	Twilight	71.000	16	21Alp Sco	1.0200	3000.0	142	47926	No
158	GOM_TRA_1PNPDK20110430_124010_000000653102_00067_47926_0768.N1	30-APR-2011 12:40:10	Twilight	65.000	80	7Del Sco	2.3160	30000.	130	47926	No
159	GOM_TRA_1PNPDK20110430_124320_000000443102_00067_47926_0769.N1	30-APR-2011 12:43:20	Bright	44.000	122	9Alp2Lib	2.7470	9700.0	88	47926	No
160	GOM_TRA_1PNPDK20110430_124537_000000503102_00067_47926_0786.N1	30-APR-2011 12:45:37	Bright	49.500	104	27Bet Lib	2.6140	13100.	99	47926	No
161	GOM_TRA_1PNPDK20110430_125401_000000383102_00067_47926_0787.N1	30-APR-2011 12:54:01	Bright	38.000	111	8Eta Boo	2.6800	6000.0	76	47926	No
162	GOM_TRA_1PNPDK20110430_125741_000000443102_00067_47926_0788.N1	30-APR-2011 12:57:41	Bright	44.000	83		2.3780	11000.	88	47926	No
163	GOM_TRA_1PNPDK20110430_130041_000000423102_00067_47926_0789.N1	30-APR-2011 13:00:41	Bright	41.500	180	27Gam Boo	3.0400	8000.0	83	47926	No
164	GOM_TRA_1PNPDK20110430_130256_000000383102_00067_47926_0790.N1	30-APR-2011 13:02:56	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	47926	No
165	GOM_TRA_1PNPDK20110430_131012_000000463102_00067_47926_0791.N1	30-APR-2011 13:10:12	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	47926	No
166	GOM_TRA_1PNPDK20110430_132029_000000423102_00067_47926_0792.N1	30-APR-2011 13:20:29	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	47926	No
167	GOM_TRA_1PNPDK20110430_132537_000000313102_00067_47926_0793.N1	30-APR-2011 13:25:37	Twilight	31.000	19	50Alp Cyg	1.2460	10500.	62	47926	No
168	GOM_TRA_1PNPDK20110430_133147_000000443102_00067_47926_0794.N1	30-APR-2011 13:31:47	Bright	43.500	164	44Eta Peg	2.9480	5400.0	87	47926	No
169	GOM_TRA_1PNPDK20110430_133613_000000463102_00067_47926_0795.N1	30-APR-2011 13:36:13	Twilight	45.500	90	54Alp Peg	2.4870	11000.	91	47926	No
170	GOM_TRA_1PNPDK20110430_134028_000000643102_00067_47926_0796.N1	30-APR-2011 13:40:28	Dark	63.500	61	8Eps Peg	2.1000	3900.0	127	47926	No
171	GOM_TRA_1PNPDK20110430_134255_000000523102_00067_47926_0797.N1	30-APR-2011 13:42:55	Dark	51.500	162	34Alp Aqr	2.9440	5350.0	103	47926	No
172	GOM_TRA_1PNPDK20110430_134637_000000653102_00067_47926_0798.N1	30-APR-2011 13:46:37	Dark	65.000	154	22Bet Aqr	2.8990	5700.0	130	47926	No
173	GOM_TRA_1PNPDK20110430_135313_000000433102_00067_47926_0799.N1	30-APR-2011 13:53:13	Dark	43.000	172	Gam Gru	3.0030	13100.	86	47926	No
174	GOM_TRA_1PNPDK20110430_140745_000000433102_00068_47927_0800.N1	30-APR-2011 14:07:45	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	47927	No
175	GOM_TRA_1PNPDK20110430_140935_000000563102_00068_47927_0801.N1	30-APR-2011 14:09:35	Straylight	55.500	40	The Sco	1.8590	7100.0	111	47927	No
176	GOM_TRA_1PNPDK20110430_141120_000000623102_00068_47927_0802.N1	30-APR-2011 14:11:20	Straylight	61.500	25	35Lam Sco	1.6200	28000.	123	47927	No
177	GOM_TRA_1PNPDK20110430_141426_000000613102_00068_47927_0803.N1	30-APR-2011 14:14:26	Straylight	60.500	75	26Eps Sco	2.2910	4250.0	121	47927	No
178	GOM_TRA_1PNPDK20110430_141810_000000793102_00068_47927_0804.N1	30-APR-2011 14:18:10	Twilight	79.000	16	21Alp Sco	1.0200	3000.0	158	47927	No
179	GOM_TRA_1PNPDK20110430_142025_000000613102_00068_47927_0805.N1	30-APR-2011 14:20:25	Twilight	60.500	80	7Del Sco	2.3160	30000.	121	47927	No
180	GOM_TRA_1PNPDK20110430_142334_000000443102_00068_47927_0824.N1	30-APR-2011 14:23:34	Bright	43.500	122	9Alp2Lib	2.7470	9700.0	87	47927	No
181	GOM_TRA_1PNPDK20110430_142551_000000493102_00068_47927_0825.N1	30-APR-2011 14:25:51	Bright	48.500	104	27Bet Lib	2.6140	13100.	97	47927	No
182	GOM_TRA_1PNPDK20110430_143415_000000573102_00068_47927_0826.N1	30-APR-2011 14:34:15	Bright	57.000	111	8Eta Boo	2.6800	6000.0	114	47927	No
183	GOM_TRA_1PNPDK20110430_143754_000000473102_00068_47927_0827.N1	30-APR-2011 14:37:54	Bright	47.000	83		2.3780	11000.	94	47927	No
184	GOM_TRA_1PNPDK20110430_144054_000000443102_00068_47927_0828.N1	30-APR-2011 14:40:54	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	47927	No
185	GOM_TRA_1PNPDK20110430_144309_000000403102_00068_47927_0829.N1	30-APR-2011 14:43:09	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	47927	No
186	GOM_TRA_1PNPDK20110430_145026_000000453102_00068_47927_0830.N1	30-APR-2011 14:50:26	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	47927	No

187	GOM_TRA_1PNPDK20110430_150042_000000583102_00068_47927_0831.N1	30-APR-2011 15:00:42	Bright	57.500	89	5Alp Cep	2.4510	8000.0	115	47927	No
188	GOM_TRA_1PNPDK20110430_150550_000000313102_00068_47927_0832.N1	30-APR-2011 15:05:50	Twilight	31.000	19	50Alp Cyg	1.2460	10500.	62	47927	No
189	GOM_TRA_1PNPDK20110430_151201_000000463102_00068_47927_0833.N1	30-APR-2011 15:12:01	Bright	45.500	164	44Eta Peg	2.9480	5400.0	91	47927	No
190	GOM_TRA_1PNPDK20110430_151627_000000453102_00068_47927_0834.N1	30-APR-2011 15:16:27	Twilight	45.000	90	54Alp Peg	2.4870	11000.	90	47927	No
191	GOM_TRA_1PNPDK20110430_152043_000000733102_00068_47927_0835.N1	30-APR-2011 15:20:43	Dark	73.000	61	8Eps Peg	2.1000	3900.0	146	47927	No
192	GOM_TRA_1PNPDK20110430_152309_000000533102_00068_47927_0836.N1	30-APR-2011 15:23:09	Dark	53.000	162	34Alp Aqr	2.9440	5350.0	106	47927	No
193	GOM_TRA_1PNPDK20110430_152652_000000643102_00068_47927_0837.N1	30-APR-2011 15:26:52	Dark	64.000	154	22Bet Aqr	2.8990	5700.0	128	47927	No
194	GOM_TRA_1PNPDK20110430_153328_000000413102_00068_47927_0838.N1	30-APR-2011 15:33:28	Dark	41.000	172	Gam Gru	3.0030	13100.	82	47927	No
195	GOM_TRA_1PNPDK20110430_154759_000000453102_00069_47928_0839.N1	30-APR-2011 15:47:59	Straylight	44.500	141	Bet Ara	2.8400	4600.0	89	47928	No
196	GOM_TRA_1PNPDK20110430_154950_000000573102_00069_47928_0840.N1	30-APR-2011 15:49:50	Straylight	57.000	40	The Sco	1.8590	7100.0	114	47928	No
197	GOM_TRA_1PNPDK20110430_155135_000000553102_00069_47928_0841.N1	30-APR-2011 15:51:35	Straylight	54.500	25	35Lam Sco	1.6200	28000.	109	47928	No
198	GOM_TRA_1PNPDK20110430_155441_000000683102_00069_47928_0842.N1	30-APR-2011 15:54:41	Straylight	68.000	75	26Eps Sco	2.2910	4250.0	136	47928	No
199	GOM_TRA_1PNPDK20110430_155824_000000713102_00069_47928_0855.N1	30-APR-2011 15:58:24	Twilight	71.000	16	21Alp Sco	1.0200	3000.0	142	47928	Yes
200	GOM_TRA_1PNPDK20110430_160039_000000623102_00069_47928_0856.N1	30-APR-2011 16:00:39	Twilight	61.500	80	7Del Sco	2.3160	30000.	123	47928	No
201	GOM_TRA_1PNPDK20110430_160349_000000443102_00069_47928_0857.N1	30-APR-2011 16:03:49	Bright	43.500	122	9Alp2Lib	2.7470	9700.0	87	47928	No
202	GOM_TRA_1PNPDK20110430_160604_000000493102_00069_47928_0858.N1	30-APR-2011 16:06:04	Bright	48.500	104	27Bet Lib	2.6140	13100.	97	47928	No
203	GOM_TRA_1PNPDK20110430_161428_000000393102_00069_47928_0859.N1	30-APR-2011 16:14:28	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	47928	No
204	GOM_TRA_1PNPDK20110430_161808_000000473102_00069_47928_0860.N1	30-APR-2011 16:18:08	Bright	46.500	83		2.3780	11000.	93	47928	No
205	GOM_TRA_1PNPDK20110430_162108_000000543102_00069_47928_0861.N1	30-APR-2011 16:21:08	Bright	53.500	180	27Gam Boo	3.0400	8000.0	107	47928	No
206	GOM_TRA_1PNPDK20110430_162323_000000383102_00069_47928_0862.N1	30-APR-2011 16:23:23	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	47928	No
207	GOM_TRA_1PNPDK20110430_163039_000000453102_00069_47928_0863.N1	30-APR-2011 16:30:39	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	47928	No
208	GOM_TRA_1PNPDK20110430_164056_000000433102_00069_47928_0864.N1	30-APR-2011 16:40:56	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	47928	No
209	GOM_TRA_1PNPDK20110430_164604_000000263102_00069_47928_0865.N1	30-APR-2011 16:46:04	Twilight	26.000	19	50Alp Cyg	1.2460	10500.	52	47928	No
210	GOM_TRA_1PNPDK20110430_165215_000000473102_00069_47928_0866.N1	30-APR-2011 16:52:15	Bright	46.500	164	44Eta Peg	2.9480	5400.0	93	47928	No
211	GOM_TRA_1PNPDK20110430_165641_000000453102_00069_47928_0867.N1	30-APR-2011 16:56:41	Twilight	44.500	90	54Alp Peg	2.4870	11000.	89	47928	No
212	GOM_TRA_1PNPDK20110430_170058_000000713102_00069_47928_0868.N1	30-APR-2011 17:00:58	Dark	70.500	61	8Eps Peg	2.1000	3900.0	141	47928	No
213	GOM_TRA_1PNPDK20110430_170324_000000563102_00069_47928_0869.N1	30-APR-2011 17:03:24	Dark	56.000	162	34Alp Aqr	2.9440	5350.0	112	47928	No
214	GOM_TRA_1PNPDK20110430_170707_000000623102_00069_47928_0870.N1	30-APR-2011 17:07:07	Dark	61.500	154	22Bet Aqr	2.8990	5700.0	123	47928	No
215	GOM_TRA_1PNPDK20110430_171342_000000443102_00069_47928_0871.N1	30-APR-2011 17:13:42	Dark	44.000	172	Gam Gru	3.0030	13100.	88	47928	No
216	GOM_TRA_1PNPDK20110430_172814_000000443102_00070_47929_0872.N1	30-APR-2011 17:28:14	Straylight	44.000	141	Bet Ara	2.8400	4600.0	88	47929	No
217	GOM_TRA_1PNPDK20110430_173005_000000603102_00070_47929_0873.N1	30-APR-2011 17:30:05	Straylight	59.500	40	The Sco	1.8590	7100.0	119	47929	No
218	GOM_TRA_1PNPDK20110430_173150_000000613102_00070_47929_0874.N1	30-APR-2011 17:31:50	Straylight	60.500	25	35Lam Sco	1.6200	28000.	121	47929	No
219	GOM_TRA_1PNPDK20110430_173456_000000643102_00070_47929_0891.N1	30-APR-2011 17:34:56	Straylight	64.000	75	26Eps Sco	2.2910	4250.0	128	47929	Yes
220	GOM_TRA_1PNPDK20110430_173839_000000703102_00070_47929_0892.N1	30-APR-2011 17:38:39	Twilight	70.000	16	21Alp Sco	1.0200	3000.0	140	47929	No
221	GOM_TRA_1PNPDK20110430_174053_000000653102_00070_47929_0893.N1	30-APR-2011 17:40:53	Twilight	65.000	80	7Del Sco	2.3160	30000.	130	47929	No
222	GOM_TRA_1PNPDK20110430_174402_000000453102_00070_47929_0894.N1	30-APR-2011 17:44:02	Bright	44.500	122	9Alp2Lib	2.7470	9700.0	89	47929	No
223	GOM_TRA_1PNPDK20110430_174618_000000493102_00070_47929_0895.N1	30-APR-2011 17:46:18	Bright	48.500	104	27Bet Lib	2.6140	13100.	97	47929	No
224	GOM_TRA_1PNPDK20110430_175442_000000393102_00070_47929_0896.N1	30-APR-2011 17:54:42	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	47929	No
225	GOM_TRA_1PNPDK20110430_175821_000000463102_00070_47929_0897.N1	30-APR-2011 17:58:21	Bright	45.500	83		2.3780	11000.	91	47929	No
226	GOM_TRA_1PNPDK20110430_180122_000000413102_00070_47929_0898.N1	30-APR-2011 18:01:22	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	47929	No
227	GOM_TRA_1PNPDK20110430_180337_000000403102_00070_47929_0899.N1	30-APR-2011 18:03:37	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	47929	No
228	GOM_TRA_1PNPDK20110430_181052_000000433102_00070_47929_0900.N1	30-APR-2011 18:10:52	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	47929	No
229	GOM_TRA_1PNPDK20110430_182110_000000403102_00070_47929_0901.N1	30-APR-2011 18:21:10	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	47929	No
230	GOM_TRA_1PNPDK20110430_182618_000000263102_00070_47929_0902.N1	30-APR-2011 18:26:18	Twilight	26.000	19	50Alp Cyg	1.2460	10500.	52	47929	No
231	GOM_TRA_1PNPDK20110430_183230_000000463102_00070_47929_0903.N1	30-APR-2011 18:32:30	Bright	45.500	164	44Eta Peg	2.9480	5400.0	91	47929	No
232	GOM_TRA_1PNPDK20110430_183655_000000433102_00070_47929_0904.N1	30-APR-2011 18:36:55	Twilight	43.000	90	54Alp Peg	2.4870	11000.	86	47929	No
233	GOM_TRA_1PNPDK20110430_184113_000000673102_00070_47929_0905.N1	30-APR-2011 18:41:13	Dark	67.000	61	8Eps Peg	2.1000	3900.0	134	47929	No
234	GOM_TRA_1PNPDK20110430_184339_000000533102_00070_47929_0906.N1	30-APR-2011 18:43:39	Dark	53.000	162	34Alp Aqr	2.9440	5350.0	106	47929	No
235	GOM_TRA_1PNPDK20110430_184723_000000603102_00070_47929_0907.N1	30-APR-2011 18:47:23	Dark	60.000	154	22Bet Aqr	2.8990	5700.0	120	47929	No
236	GOM_TRA_1PNPDK20110430_185357_000000433102_00070_47929_0967.N1	30-APR-2011 18:53:57	Dark	42.500	172	Gam Gru	3.0030	13100.	85	47929	No
237	GOM_TRA_1PNPDK20110430_190829_000000423102_00071_47930_0968.N1	30-APR-2011 19:08:29	Straylight	41.500	141	Bet Ara	2.8400	4600.0	83	47930	No
238	GOM_TRA_1PNPDK20110430_191020_000000583102_00071_47930_0969.N1	30-APR-2011 19:10:20	Straylight	58.000	40	The Sco	1.8590	7100.0	116	47930	No
239	GOM_TRA_1PNPDK20110430_191205_000000643102_00071_47930_0914.N1	30-APR-2011 19:12:05	Straylight	64.000	25	35Lam Sco	1.6200	28000.	128	47930	Yes
240	GOM_TRA_1PNPDK20110430_191511_000000633102_00071_47930_0915.N1	30-APR-2011 19:15:11	Straylight	62.500	75	26Eps Sco	2.2910	4250.0	125	47930	No
241	GOM_TRA_1PNPDK20110430_191854_000000813102_00071_47930_0916.N1	30-APR-2011 19:18:54	Twilight	81.000	16	21Alp Sco	1.0200	3000.0	162	47930	No
242	GOM_TRA_1PNPDK20110430_192108_000000623102_00071_47930_0917.N1	30-APR-2011 19:21:08	Twilight	62.000	80	7Del Sco	2.3160	30000.	124	47930	No
243	GOM_TRA_1PNPDK20110430_192417_000000433102_00071_47930_0918.N1	30-APR-2011 19:24:17	Bright	43.000	122	9Alp2Lib	2.7470	9700.0	86	47930	No
244	GOM_TRA_1PNPDK20110430_192632_000000493102_00071_47930_0919.N1	30-APR-2011 19:26:32	Bright	49.000	104	27Bet Lib	2.6140	13100.	98	47930	No
245	GOM_TRA_1PNPDK20110430_193456_000000573102_00071_47930_0920.N1	30-APR-2011 19:34:56	Bright	57.000	111	8Eta Boo	2.6800	6000.0	114	47930	No



246	GOM_TRA_1PNPDK20110430_193835_000000483102_00071_47930_0921.N1	30-APR-2011 19:38:35	Bright	47.500	83		2.3780	11000.	95	47930	No
247	GOM_TRA_1PNPDK20110430_194135_000000613102_00071_47930_0922.N1	30-APR-2011 19:41:35	Bright	60.500	180	27Gam Boo	3.0400	8000.0	121	47930	No
248	GOM_TRA_1PNPDK20110430_194351_000000393102_00071_47930_0923.N1	30-APR-2011 19:43:51	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	47930	No
249	GOM_TRA_1PNPDK20110430_195106_000000433102_00071_47930_0924.N1	30-APR-2011 19:51:06	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	47930	No
250	GOM_TRA_1PNPDK20110430_200124_000000433102_00071_47930_0925.N1	30-APR-2011 20:01:24	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	47930	No
251	GOM_TRA_1PNPDK20110430_201244_000000463102_00071_47930_0926.N1	30-APR-2011 20:12:44	Bright	46.000	164	44Eta Peg	2.9480	5400.0	92	47930	No
252	GOM_TRA_1PNPDK20110430_201710_000000463102_00071_47930_0927.N1	30-APR-2011 20:17:10	Twilight	45.500	90	54Alp Peg	2.4870	11000.	91	47930	No
253	GOM_TRA_1PNPDK20110430_202128_000000663102_00071_47930_0928.N1	30-APR-2011 20:21:28	Dark	66.000	61	8Eps Peg	2.1000	3900.0	132	47930	No
254	GOM_TRA_1PNPDK20110430_202354_000000523102_00071_47930_0929.N1	30-APR-2011 20:23:54	Dark	52.000	162	34Alp Aqr	2.9440	5350.0	104	47930	No
255	GOM_TRA_1PNPDK20110430_202738_000000613102_00071_47930_0930.N1	30-APR-2011 20:27:38	Dark	60.500	154	22Bet Aqr	2.8990	5700.0	121	47930	No
256	GOM_TRA_1PNPDK20110430_203412_000000413102_00071_47930_0931.N1	30-APR-2011 20:34:12	Dark	41.000	172	Gam Gru	3.0030	13100.	82	47930	No
257	GOM_TRA_1PNPDK20110430_204843_000000433102_00072_47931_0932.N1	30-APR-2011 20:48:43	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	47931	No
258	GOM_TRA_1PNPDK20110430_205035_000000583102_00072_47931_0933.N1	30-APR-2011 20:50:35	Straylight	57.500	40	The Sco	1.8590	7100.0	115	47931	No
259	GOM_TRA_1PNPDK20110430_205220_000000573102_00072_47931_0934.N1	30-APR-2011 20:52:20	Straylight	56.500	25	35Lam Sco	1.6200	28000.	113	47931	No
260	GOM_TRA_1PNPDE20110430_205525_000000613102_00072_47931_9494.N1	30-APR-2011 20:55:25	Straylight	60.500	75	26Eps Sco	2.2910	4250.0	121	47931	No
261	GOM_TRA_1PNPDE20110430_205908_000000733102_00072_47931_9495.N1	30-APR-2011 20:59:08	Tw_and_stray	73.000	16	21Alp Sco	1.0200	3000.0	146	47931	No
262	GOM_TRA_1PNPDE20110430_210122_000000643102_00072_47931_9496.N1	30-APR-2011 21:01:22	Tw_and_stray	64.000	80	7Del Sco	2.3160	30000.	128	47931	No
263	GOM_TRA_1PNPDE20110430_210431_000000443102_00072_47931_9497.N1	30-APR-2011 21:04:31	Bright	44.000	122	9Alp2Lib	2.7470	9700.0	88	47931	No
264	GOM_TRA_1PNPDE20110430_210647_000000483102_00072_47931_9498.N1	30-APR-2011 21:06:47	Bright	48.000	104	27Bet Lib	2.6140	13100.	96	47931	No
265	GOM_TRA_1PNPDE20110430_211510_000000573102_00072_47931_9499.N1	30-APR-2011 21:15:10	Bright	57.000	111	8Eta Boo	2.6800	6000.0	114	47931	No
266	GOM_TRA_1PNPDE20110430_211848_000000433102_00072_47931_9500.N1	30-APR-2011 21:18:48	Bright	42.500	83		2.3780	11000.	85	47931	No
267	GOM_TRA_1PNPDE20110430_212149_000000403102_00072_47931_9501.N1	30-APR-2011 21:21:49	Bright	40.000	180	27Gam Boo	3.0400	8000.0	80	47931	No
268	GOM_TRA_1PNPDE20110430_212405_000000363102_00072_47931_9502.N1	30-APR-2011 21:24:05	Bright	36.000	39	85Eta UMa	1.8540	24000.	72	47931	No
269	GOM_TRA_1PNPDE20110430_213119_000000463102_00072_47931_9503.N1	30-APR-2011 21:31:19	Bright	46.000	119	14Eta Dra	2.7270	4700.0	92	47931	No
270	GOM_TRA_1PNPDE20110430_214137_000000423102_00072_47931_9504.N1	30-APR-2011 21:41:37	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	47931	No
271	GOM_TRA_1PNPDE20110430_215258_000000473102_00072_47931_9505.N1	30-APR-2011 21:52:58	Bright	47.000	164	44Eta Peg	2.9480	5400.0	94	47931	No
272	GOM_TRA_1PNPDE20110430_215724_000000433102_00072_47931_9506.N1	30-APR-2011 21:57:24	Twilight	43.000	90	54Alp Peg	2.4870	11000.	86	47931	No
273	GOM_TRA_1PNPDE20110430_220143_000000643102_00072_47931_9507.N1	30-APR-2011 22:01:43	Dark	64.000	61	8Eps Peg	2.1000	3900.0	128	47931	No
274	GOM_TRA_1PNPDE20110430_220409_000000553102_00072_47931_9508.N1	30-APR-2011 22:04:09	Dark	54.500	162	34Alp Aqr	2.9440	5350.0	109	47931	No
275	GOM_TRA_1PNPDE20110430_220753_000000633102_00072_47931_9518.N1	30-APR-2011 22:07:53	Dark	62.500	154	22Bet Aqr	2.8990	5700.0	125	47931	No
276	GOM_TRA_1PNPDE20110430_221427_000000403102_00072_47931_9519.N1	30-APR-2011 22:14:27	Dark	40.000	172	Gam Gru	3.0030	13100.	80	47931	No
277	GOM_TRA_1PNPDE20110430_222858_000000433102_00073_47932_9520.N1	30-APR-2011 22:28:58	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	47932	No
278	GOM_TRA_1PNPDE20110430_223050_000000573102_00073_47932_9521.N1	30-APR-2011 22:30:50	Straylight	56.500	40	The Sco	1.8590	7100.0	113	47932	No
279	GOM_TRA_1PNPDE20110430_223235_000000603102_00073_47932_9522.N1	30-APR-2011 22:32:35	Straylight	59.500	25	35Lam Sco	1.6200	28000.	119	47932	No
280	GOM_TRA_1PNPDE20110430_223540_000000613102_00073_47932_9523.N1	30-APR-2011 22:35:40	Straylight	61.000	75	26Eps Sco	2.2910	4250.0	122	47932	No
281	GOM_TRA_1PNPDE20110430_223923_000000813102_00073_47932_9524.N1	30-APR-2011 22:39:23	Tw_and_stray	80.500	16	21Alp Sco	1.0200	3000.0	161	47932	No
282	GOM_TRA_1PNPDE20110430_224136_000000633102_00073_47932_9525.N1	30-APR-2011 22:41:36	Tw_and_stray	62.500	80	7Del Sco	2.3160	30000.	125	47932	No
283	GOM_TRA_1PNPDE20110430_224445_000000443102_00073_47932_9526.N1	30-APR-2011 22:44:45	Bright	44.000	122	9Alp2Lib	2.7470	9700.0	88	47932	No
284	GOM_TRA_1PNPDE20110430_224700_000000483102_00073_47932_9527.N1	30-APR-2011 22:47:00	Bright	48.000	104	27Bet Lib	2.6140	13100.	96	47932	No
285	GOM_TRA_1PNPDE20110430_225524_000000573102_00073_47932_9528.N1	30-APR-2011 22:55:24	Bright	57.000	111	8Eta Boo	2.6800	6000.0	114	47932	No
286	GOM_TRA_1PNPDE20110430_225902_000000473102_00073_47932_9529.N1	30-APR-2011 22:59:02	Bright	46.500	83		2.3780	11000.	93	47932	No
287	GOM_TRA_1PNPDE20110430_230202_000000433102_00073_47932_9530.N1	30-APR-2011 23:02:02	Bright	42.500	180	27Gam Boo	3.0400	8000.0	85	47932	No
288	GOM_TRA_1PNPDE20110430_230418_000000393102_00073_47932_9531.N1	30-APR-2011 23:04:18	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	47932	No
289	GOM_TRA_1PNPDE20110430_231132_000000423102_00073_47932_9532.N1	30-APR-2011 23:11:32	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	47932	No
290	GOM_TRA_1PNPDE20110430_232151_000000513102_00073_47932_9533.N1	30-APR-2011 23:21:51	Bright	50.500	89	5Alp Cep	2.4510	8000.0	101	47932	No
291	GOM_TRA_1PNPDE20110430_233312_000000453102_00073_47932_9534.N1	30-APR-2011 23:33:12	Bright	45.000	164	44Eta Peg	2.9480	5400.0	90	47932	No
292	GOM_TRA_1PNPDE20110430_233738_000000463102_00073_47932_9535.N1	30-APR-2011 23:37:38	Twilight	46.000	90	54Alp Peg	2.4870	11000.	92	47932	No
293	GOM_TRA_1PNPDE20110430_234157_000000663102_00073_47932_9536.N1	30-APR-2011 23:41:57	Dark	66.000	61	8Eps Peg	2.1000	3900.0	132	47932	No
294	GOM_TRA_1PNPDE20110430_234424_000000543102_00073_47932_9537.N1	30-APR-2011 23:44:24	Dark	54.000	162	34Alp Aqr	2.9440	5350.0	108	47932	No
295	GOM_TRA_1PNPDE20110430_234808_000000613102_00073_47932_9544.N1	30-APR-2011 23:48:08	Dark	60.500	154	22Bet Aqr	2.8990	5700.0	121	47932	No
296	GOM_TRA_1PNPDE20110430_235441_000000433102_00073_47932_9545.N1	30-APR-2011 23:54:41	Dark	42.500	172	Gam Gru	3.0030	13100.	85	47932	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).

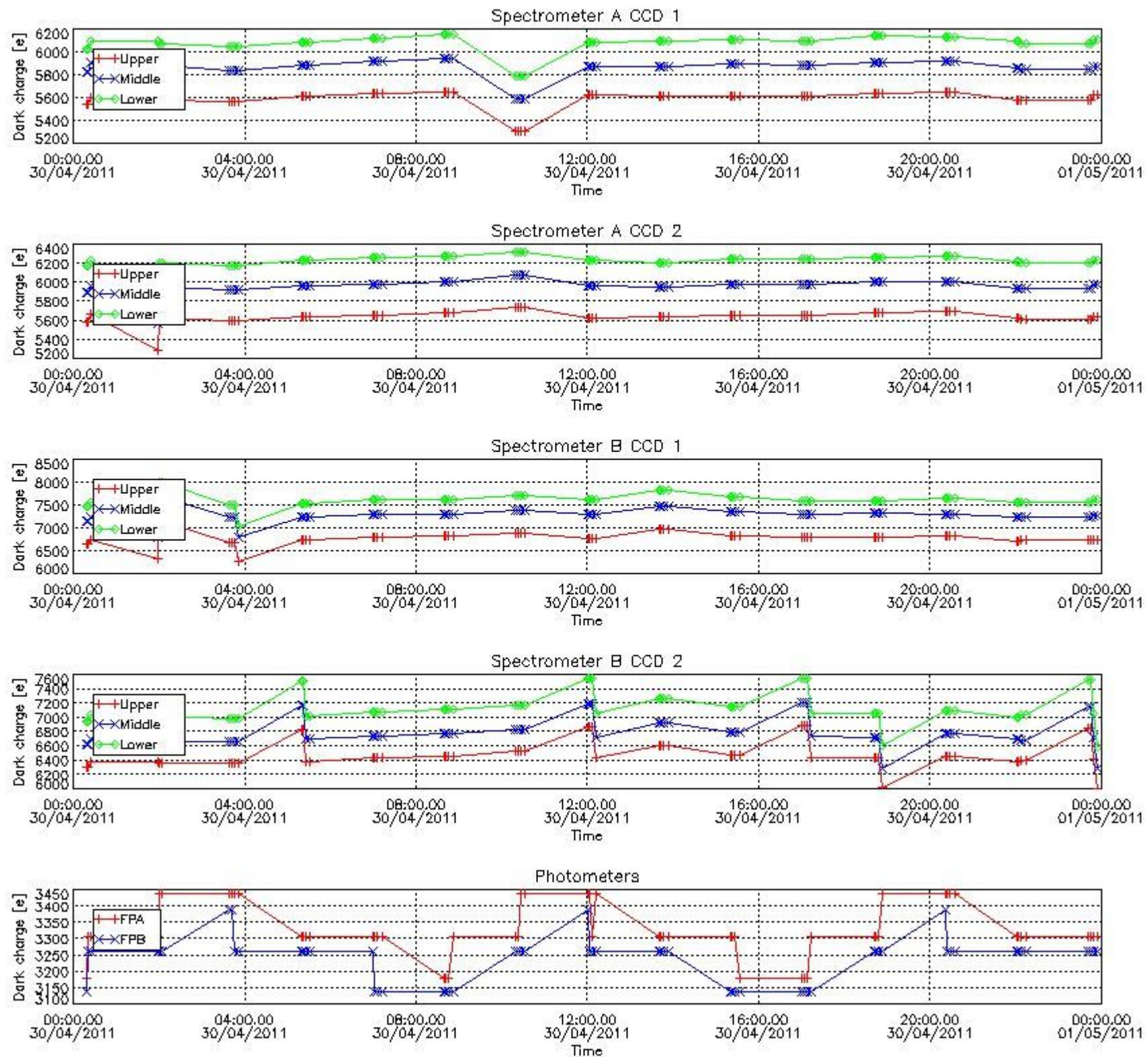
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110430_205525_000000613102_00072_47931_9494.N1	DC map used
GOM_TRA_1PNPDE20110430_205908_000000733102_00072_47931_9495.N1	DC map used
GOM_TRA_1PNPDE20110430_210122_000000643102_00072_47931_9496.N1	DC map used
GOM_TRA_1PNPDE20110430_210431_000000443102_00072_47931_9497.N1	DC map used
GOM_TRA_1PNPDE20110430_210647_000000483102_00072_47931_9498.N1	DC map used
GOM_TRA_1PNPDE20110430_211510_000000573102_00072_47931_9499.N1	DC map used
GOM_TRA_1PNPDE20110430_211848_000000433102_00072_47931_9500.N1	DC map used
GOM_TRA_1PNPDE20110430_212149_000000403102_00072_47931_9501.N1	DC map used
GOM_TRA_1PNPDE20110430_212405_000000363102_00072_47931_9502.N1	DC map used
GOM_TRA_1PNPDE20110430_213119_000000463102_00072_47931_9503.N1	DC map used
GOM_TRA_1PNPDE20110430_214137_000000423102_00072_47931_9504.N1	DC map used
GOM_TRA_1PNPDE20110430_215258_000000473102_00072_47931_9505.N1	DC map used
GOM_TRA_1PNPDE20110430_215724_000000433102_00072_47931_9506.N1	DC map used
GOM_TRA_1PNPDE20110430_220143_000000643102_00072_47931_9507.N1	DC map used



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



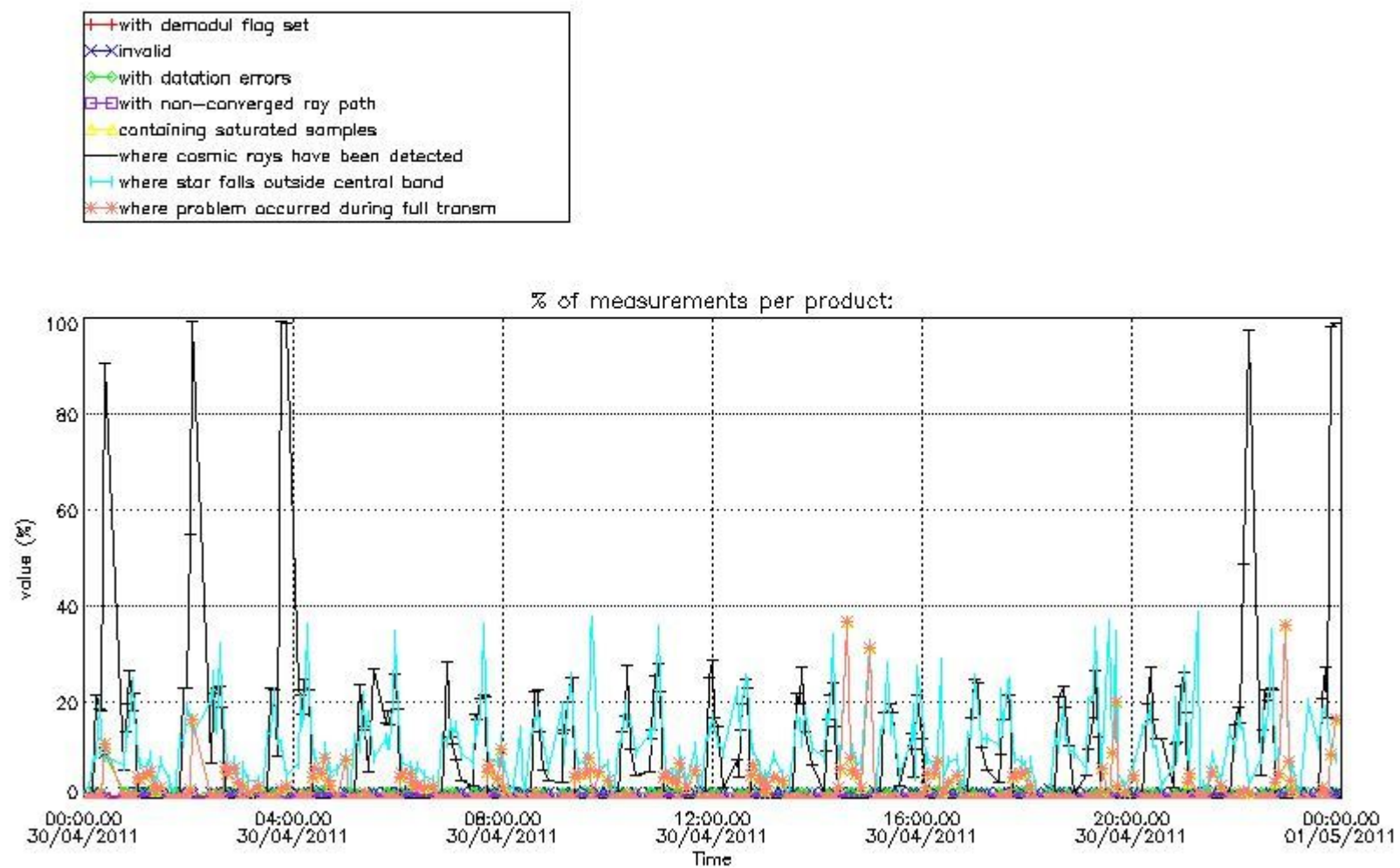
#### 5. Demodulation flag and quality information monitoring

In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

5.1 Percentage of products during reporting period with:

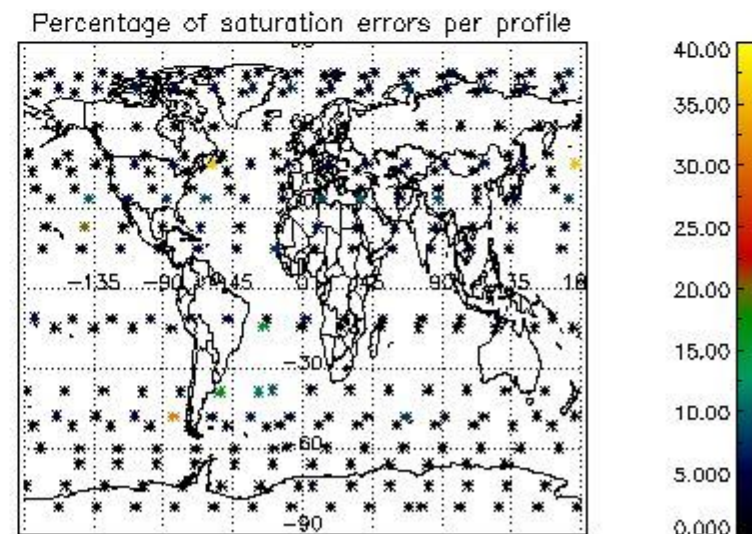
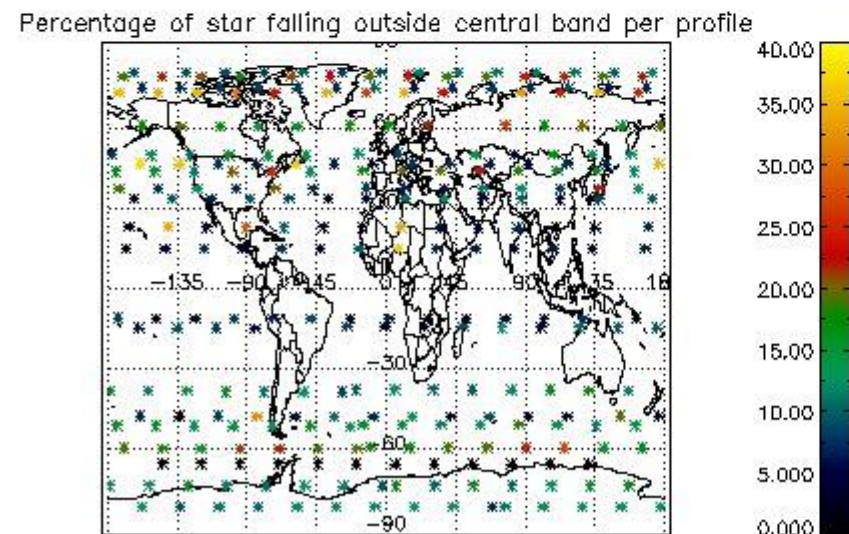
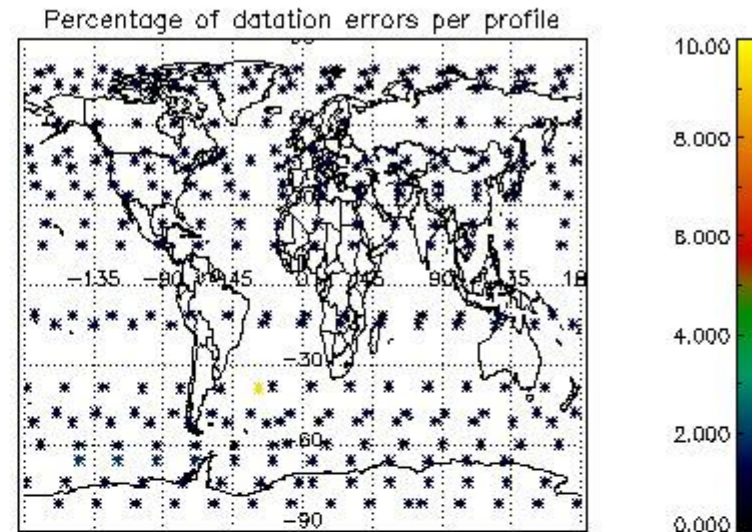
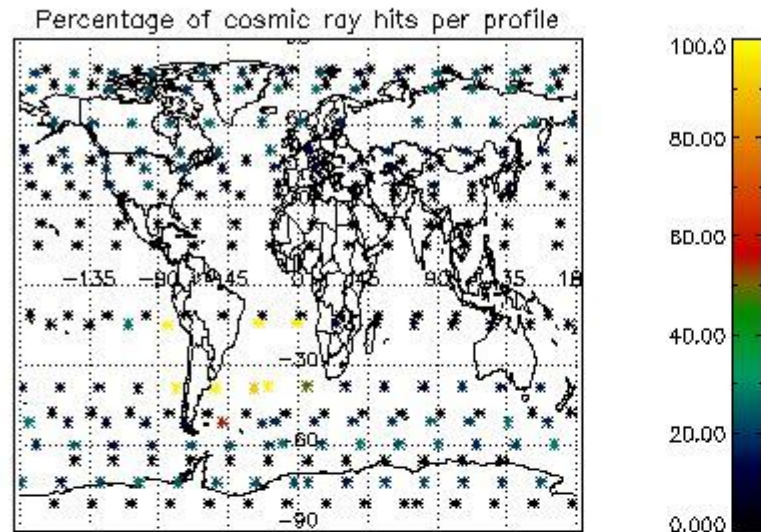
At least one measurement with demodulation flag set:	50.8532 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)





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

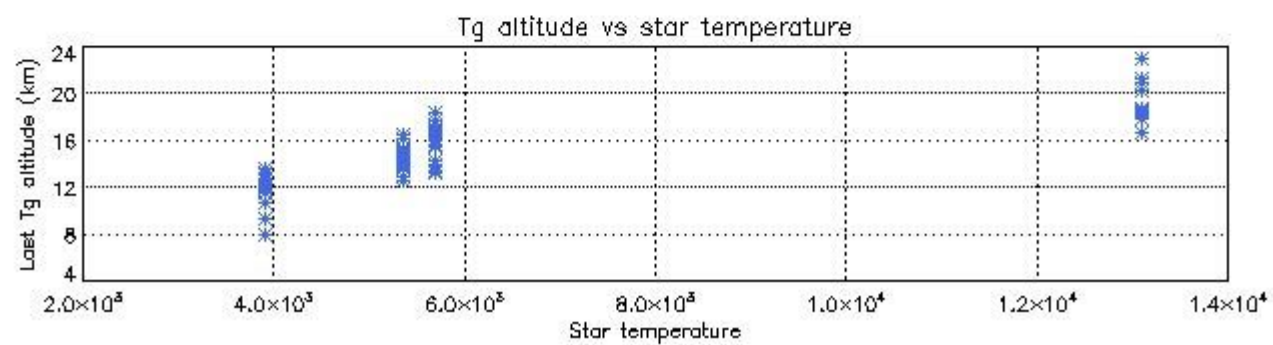
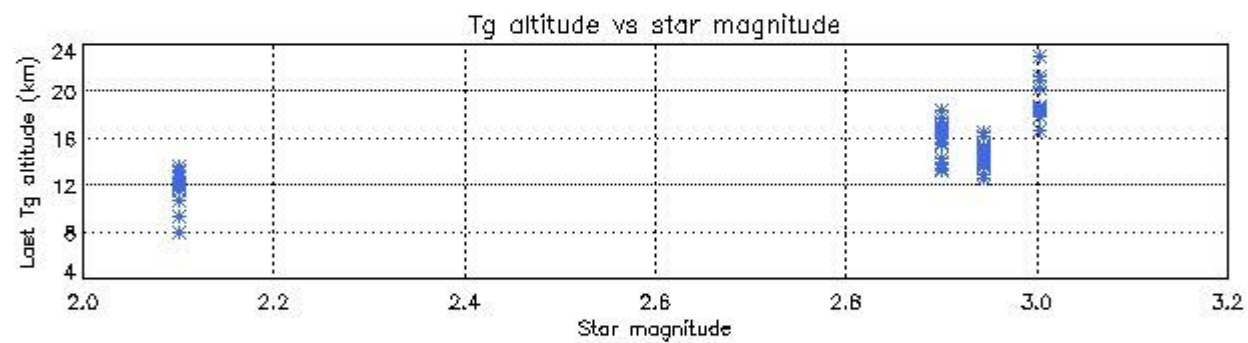
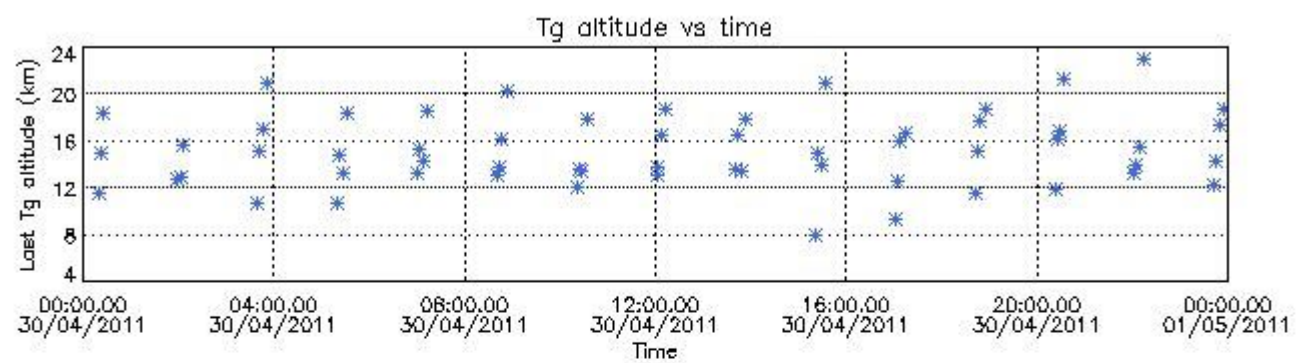
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.186	20.088	14.646
St. deviation:	3.0721	6.7720	1.4408
Maximum:	22.979	49.881	16.996
Minimum:	7.9393	3.5377	12.482
Number of data:	58.000	133.00	15.000

### 6.2 Plot for DARK limb products

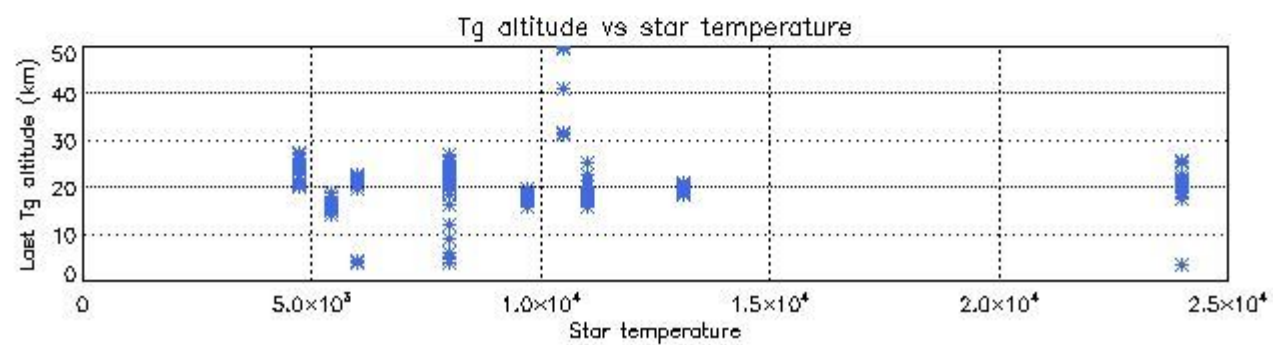
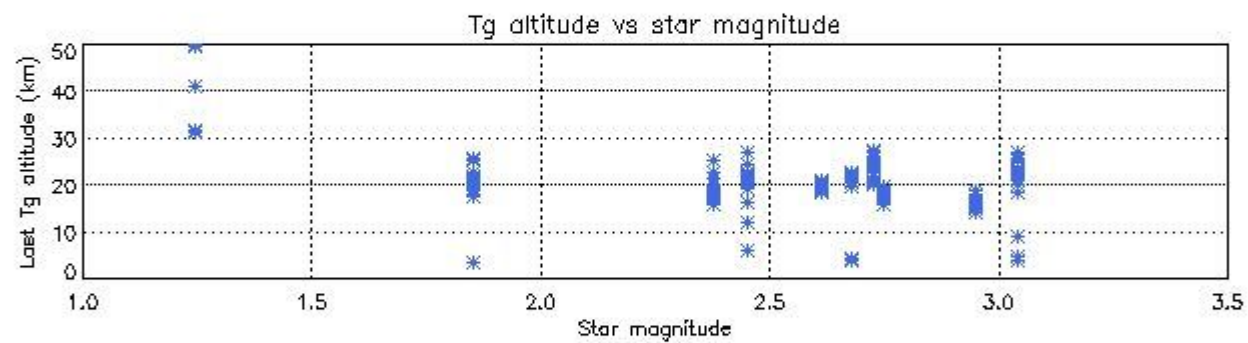
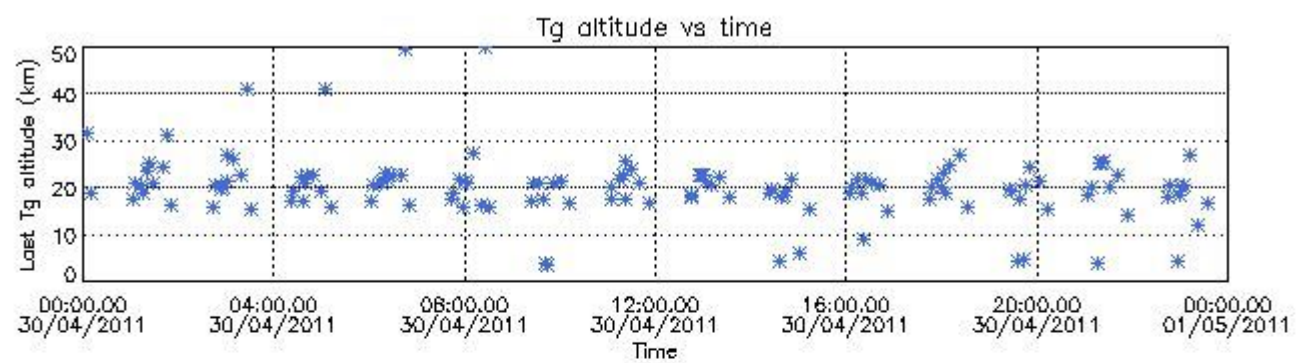


Tangent altitude at which the star is lost



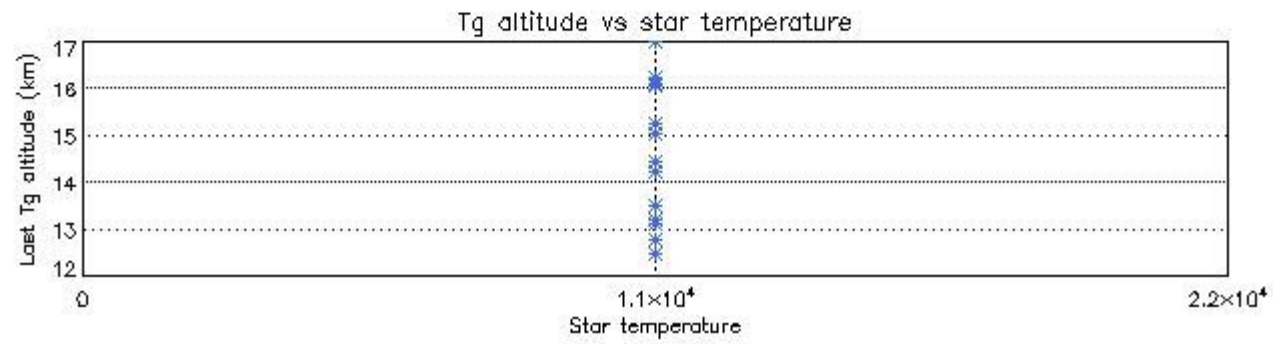
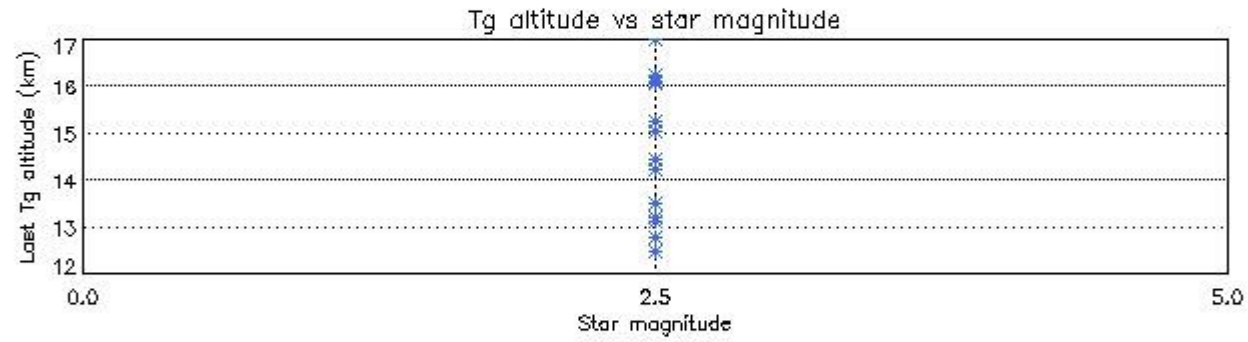
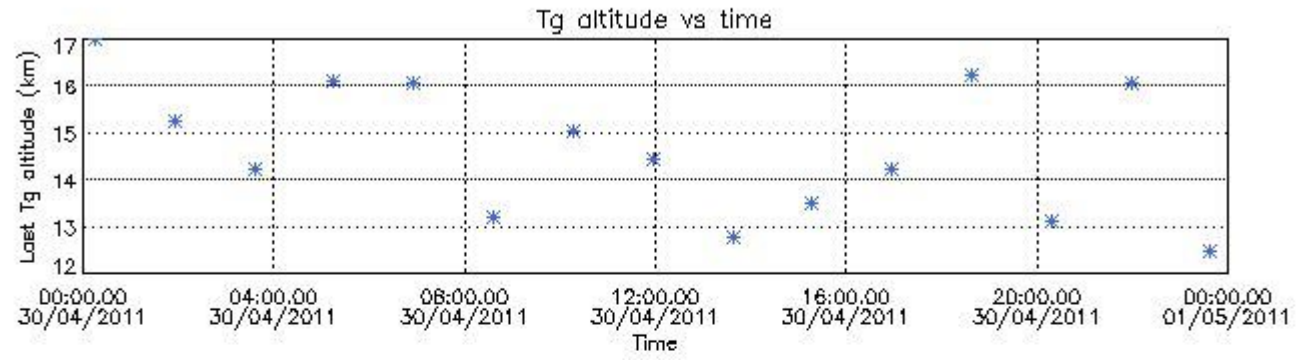
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost



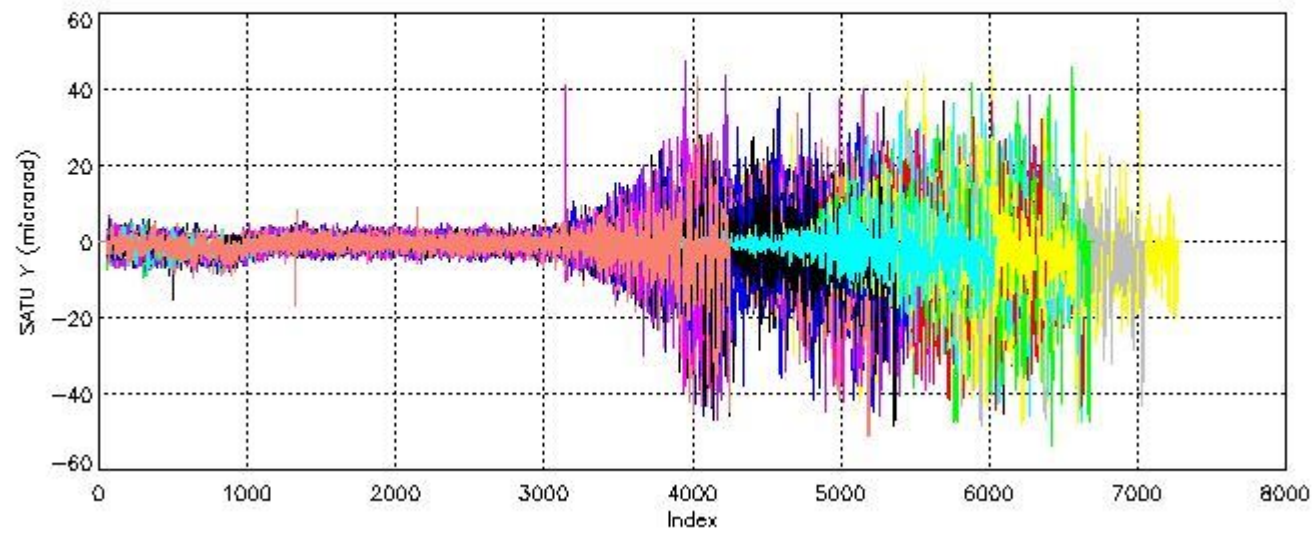
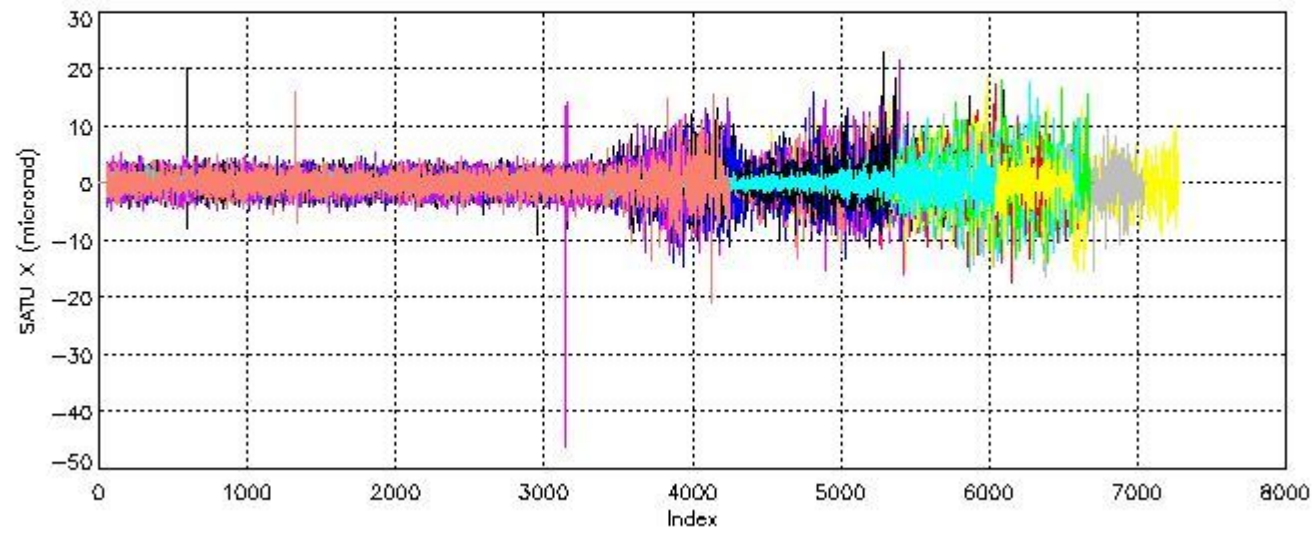
## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.26121	-1.2044	0.28610	-1.4134
St. deviation:	0.74123	1.5352	0.91224	1.7270
Maximum:	20.000	7.1000	7.5000	9.2000
Minimum:	-7.9000	-15.200	-14.500	-10.600

Number of data:	71000.	71000.	1.3730E+05	1.3730E+05
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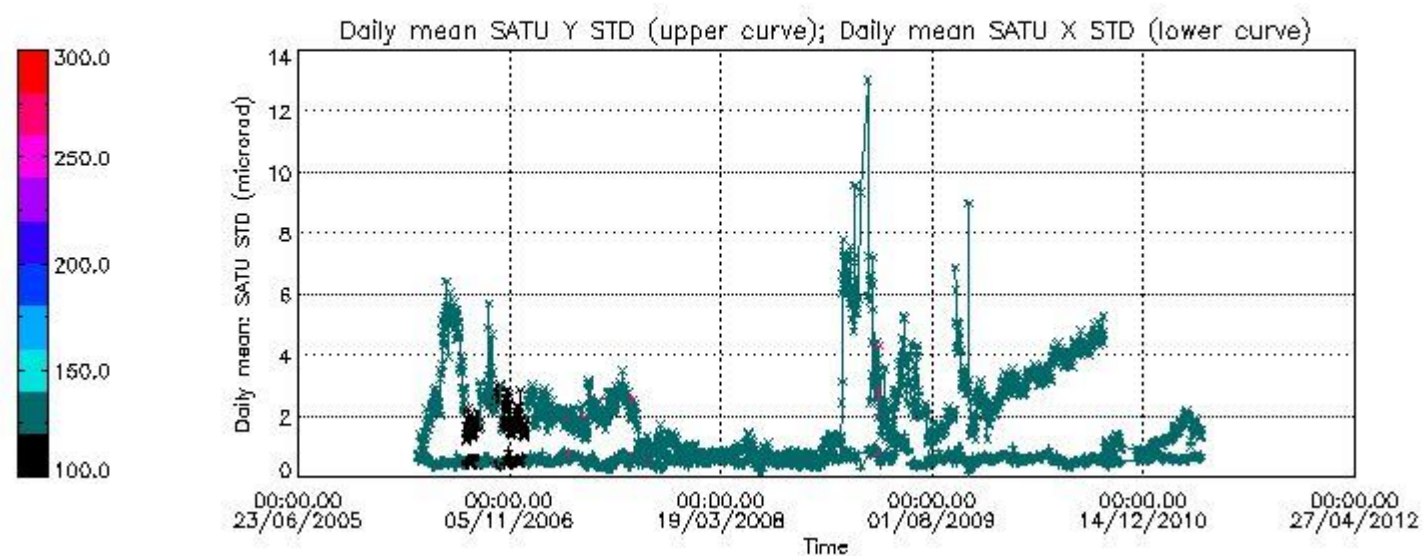
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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



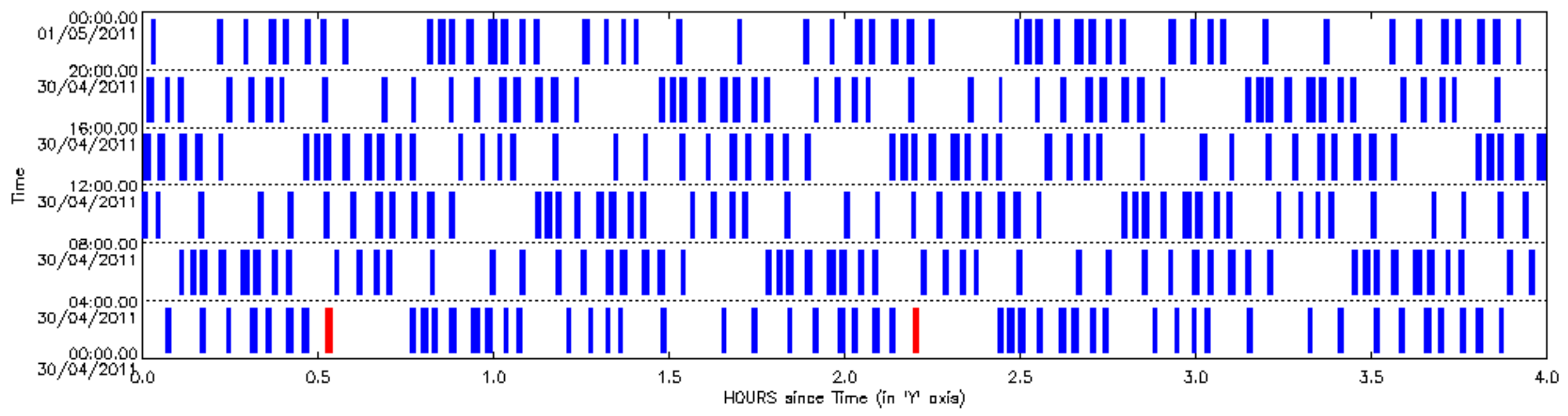
### 8. Auxiliary Data Files used for the production reported in section 2.4

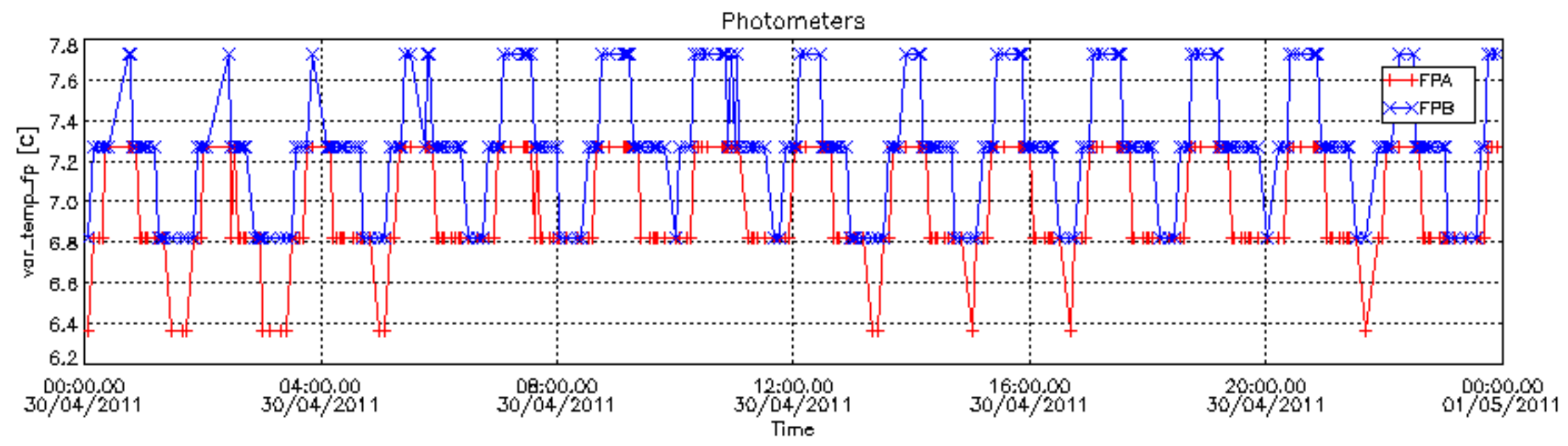
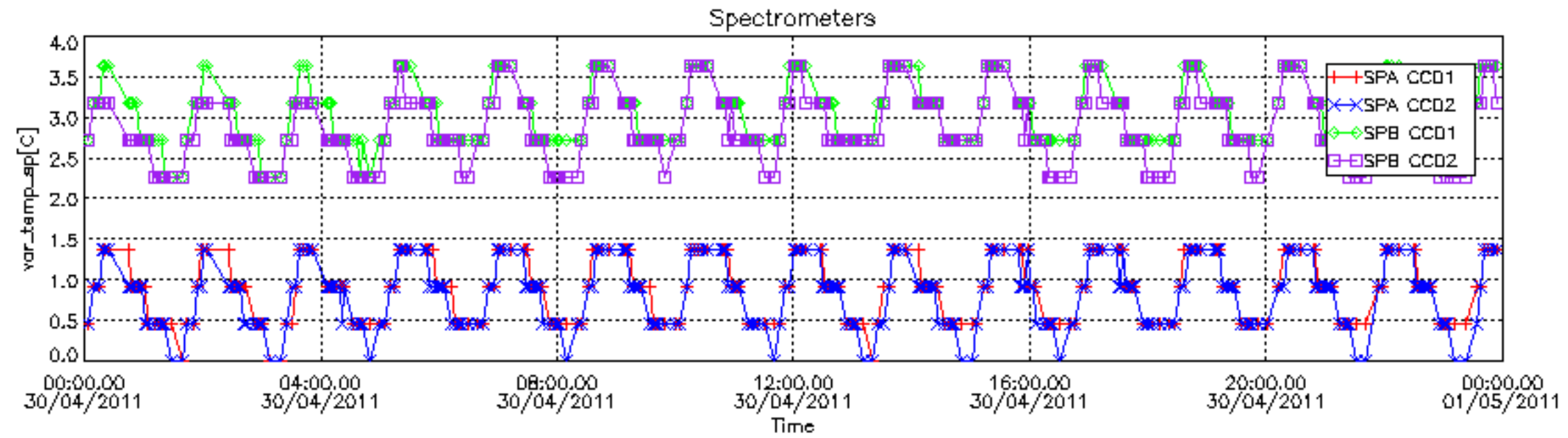
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

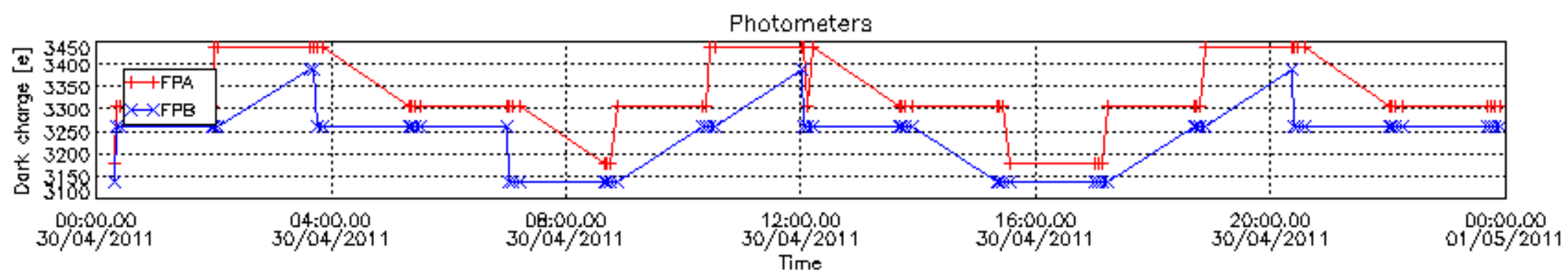
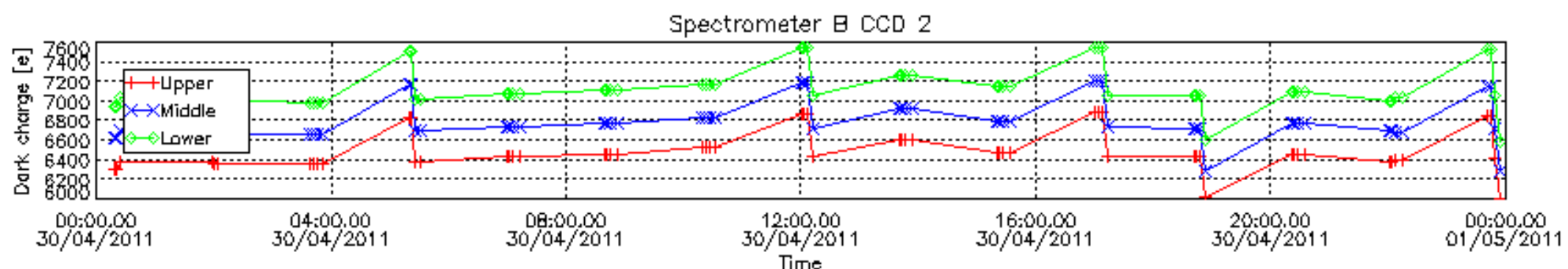
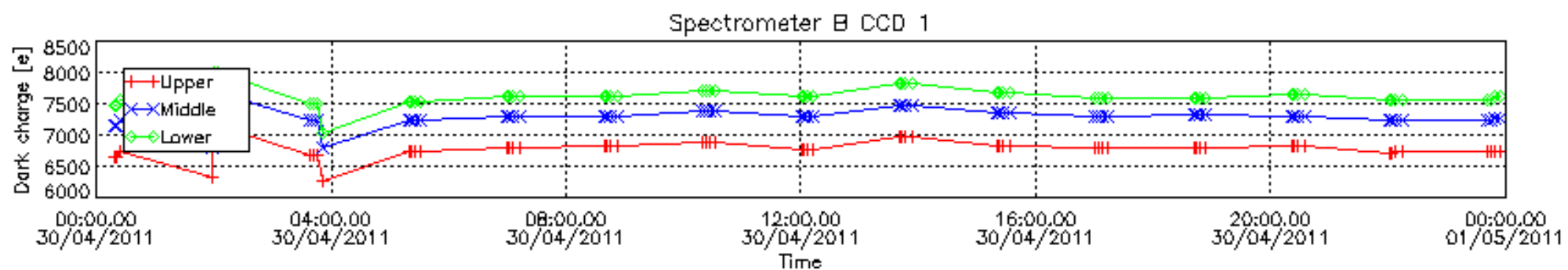
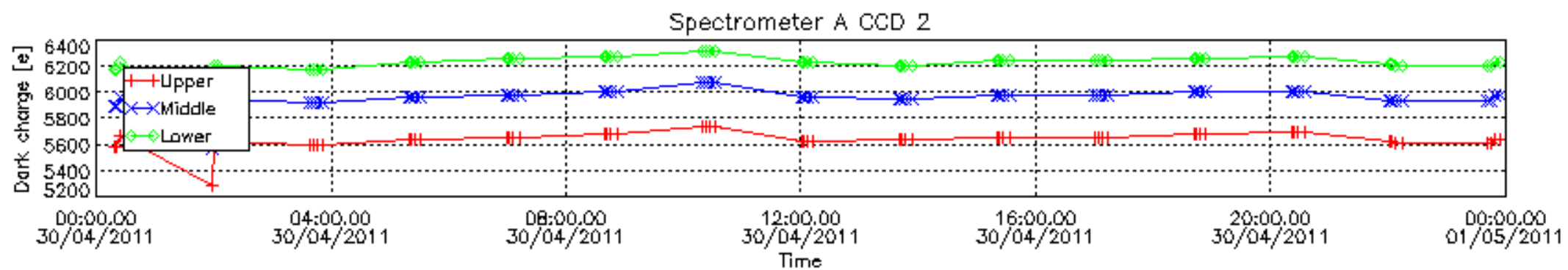
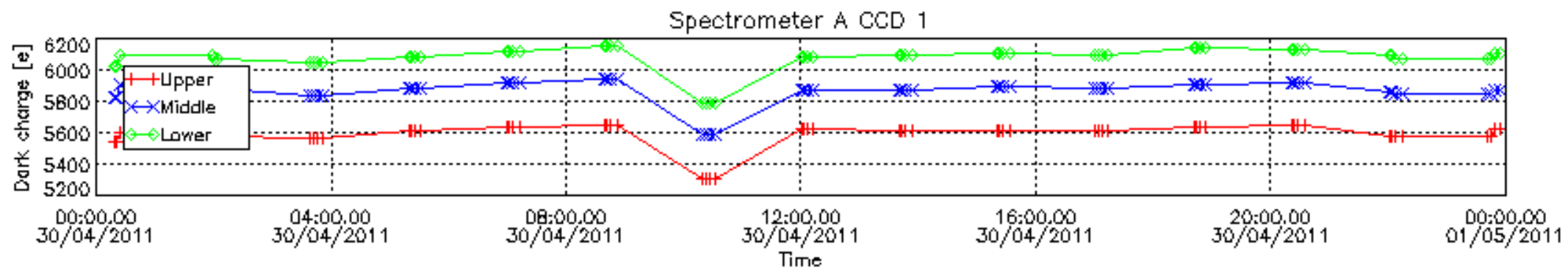
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	30-APR-2011 00:03:47
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110429_092904_20110427_000000_20500101_000000	1	30-APR-2011 00:03:47
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110421_075944_20110419_000000_20500101_000000	82	30-APR-2011 06:39:34
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	30-APR-2011 00:03:47
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	30-APR-2011 00:03:47
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	30-APR-2011 00:03:47
ECMWF_FILE	AUX_ECF_AXNECM20110429_064151_20110429_210000_20110430_090000	1	30-APR-2011 00:03:47
ECMWF_FILE	AUX_ECF_AXNECM20110429_182149_20110430_030000_20110430_150000	40	30-APR-2011 03:19:06
ECMWF_FILE	AUX_ECA_AXNECM20110430_062113_20110429_210000_20110430_090000	61	30-APR-2011 04:59:20
ECMWF_FILE	AUX_ECF_AXNECM20110429_182149_20110430_030000_20110430_150000	82	30-APR-2011 06:39:34
ECMWF_FILE	MISSING	180	30-APR-2011 14:23:34
ECMWF_FILE	AUX_ECA_AXNECM20110430_175637_20110430_090000_20110430_210000	219	30-APR-2011 17:34:56
ECMWF_FILE	AUX_ECF_AXNECM20110430_062114_20110430_150000_20110501_030000	260	30-APR-2011 20:55:25
ECMWF_FILE	AUX_ECF_AXNECM20110430_062114_20110430_210000_20110501_090000	275	30-APR-2011 22:07:53
OPTIONAL_ECMWF_FILE	MISSING	1	30-APR-2011 00:03:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110429_224148_000057383102_00058_47917_3022.N1	1	30-APR-2011 00:03:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110430_002245_000054193102_00059_47918_3023.N1	6	30-APR-2011 00:24:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110430_015823_000041443102_00060_47919_3024.N1	25	30-APR-2011 02:01:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110430_031246_000057383102_00061_47920_3025.N1	40	30-APR-2011 03:19:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110430_045343_000057383102_00062_47921_3026.N1	61	30-APR-2011 04:59:20

ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110430_063440_000038263102_00063_47922_4450.N1	82	30-APR-2011 06:39:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110430_074345_000057383102_00064_47923_4451.N1	97	30-APR-2011 07:44:55
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110430_092442_000054193102_00065_47924_4452.N1	119	30-APR-2011 09:33:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110430_110020_000057383102_00066_47925_4453.N1	139	30-APR-2011 11:05:23
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110430_124117_000057383102_00067_47926_4454.N1	160	30-APR-2011 12:45:37
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110430_141655_000057383102_00068_47927_4455.N1	180	30-APR-2011 14:23:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110430_155752_000054193102_00069_47928_4456.N1	199	30-APR-2011 15:58:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110430_173331_000054193102_00070_47929_4457.N1	219	30-APR-2011 17:34:56
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110430_190909_000060573102_00071_47930_4458.N1	239	30-APR-2011 19:12:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110430_205006_000041443102_00072_47931_3027.N1	260	30-APR-2011 20:55:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110430_220429_000057383102_00072_47931_3028.N1	275	30-APR-2011 22:07:53
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110430_234526_000054193102_00073_47932_3029.N1	295	30-APR-2011 23:48:08

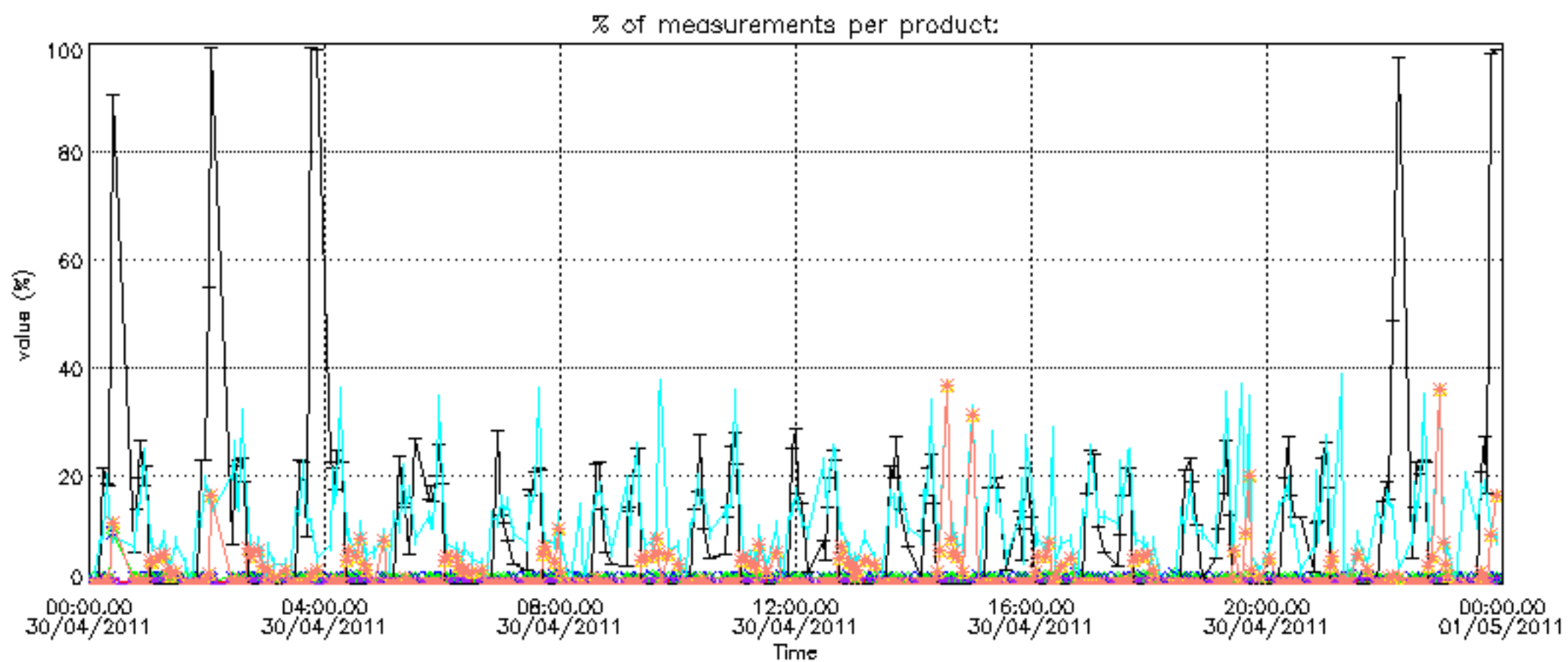




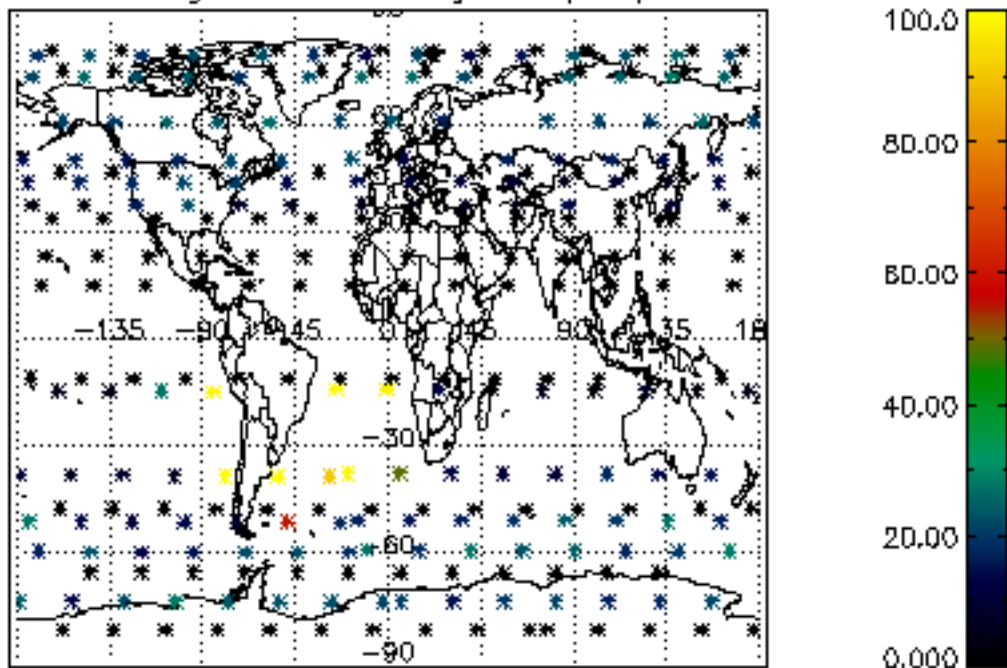




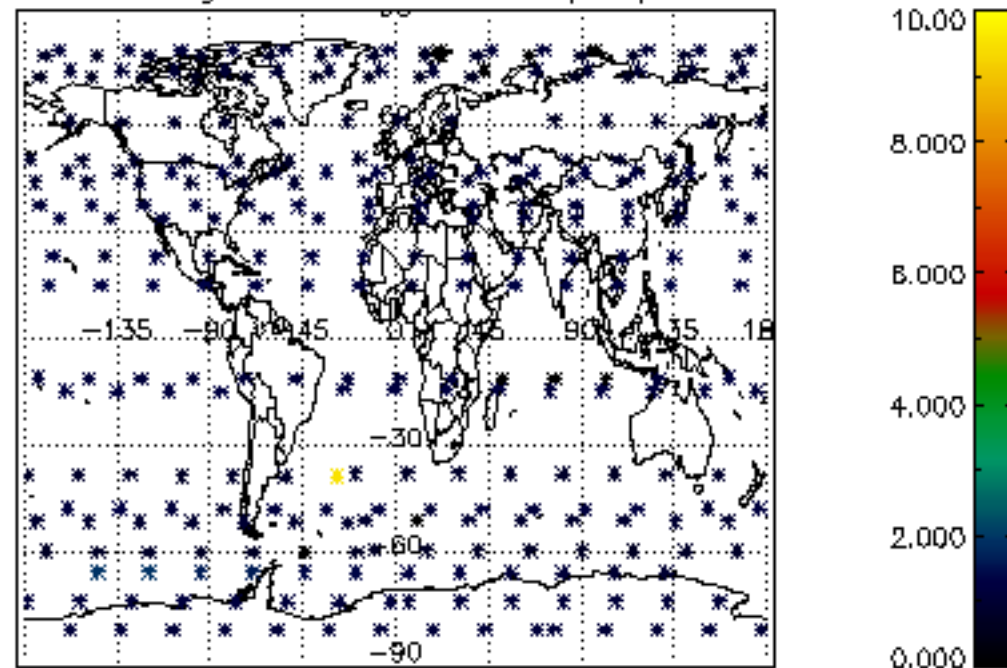




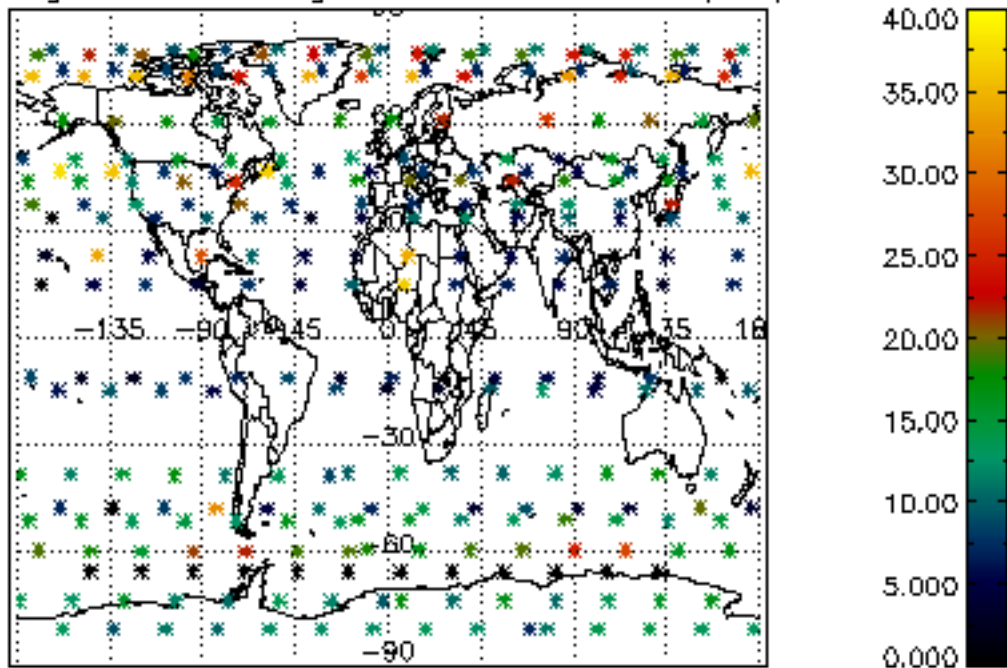
Percentage of cosmic ray hits per profile



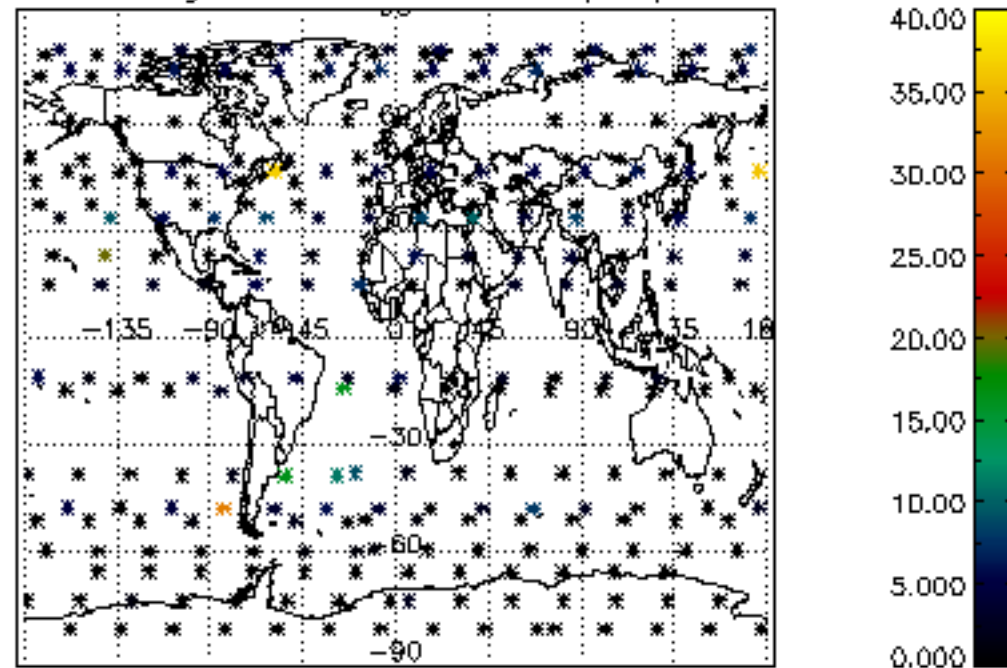
Percentage of datation errors per profile



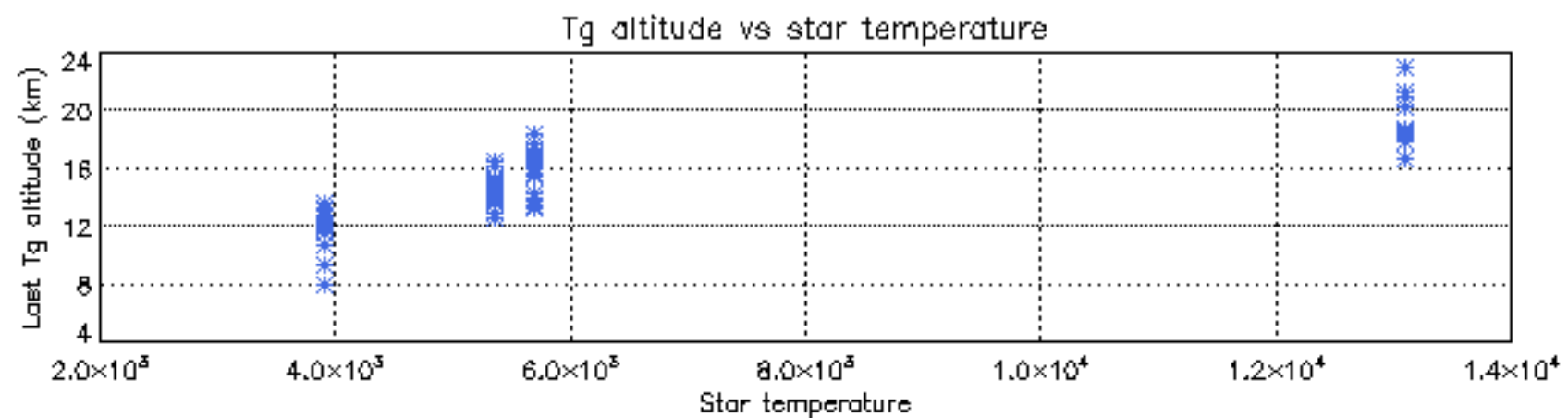
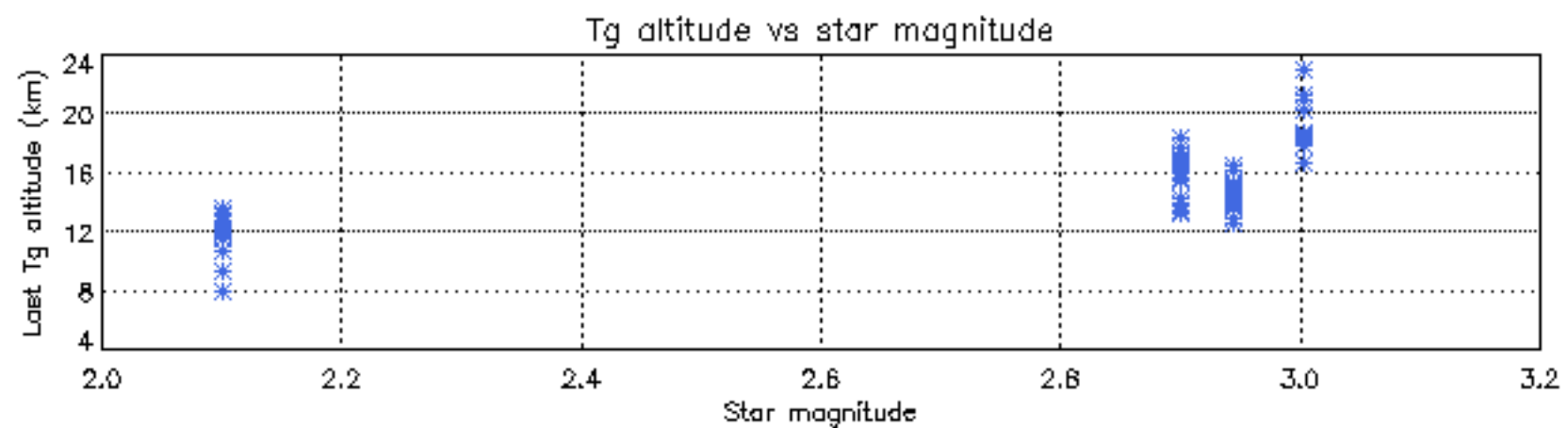
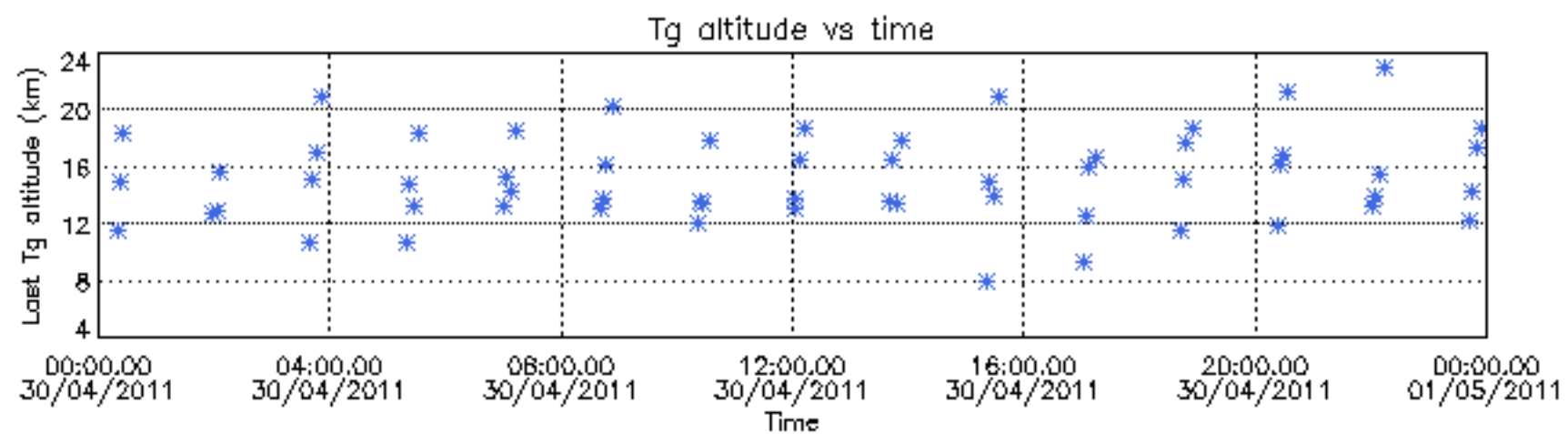
Percentage of star falling outside central band per profile



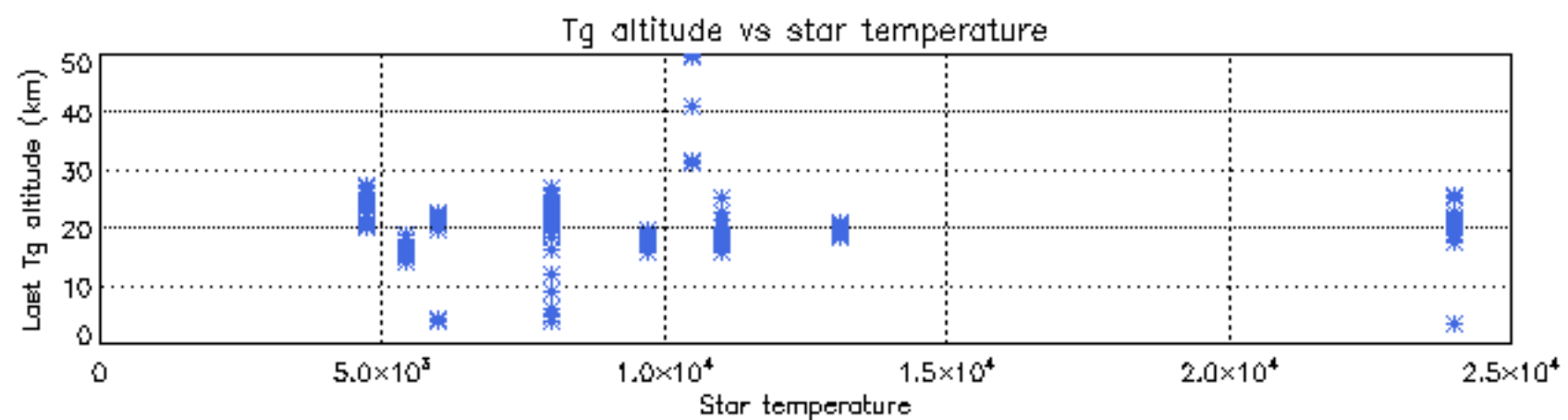
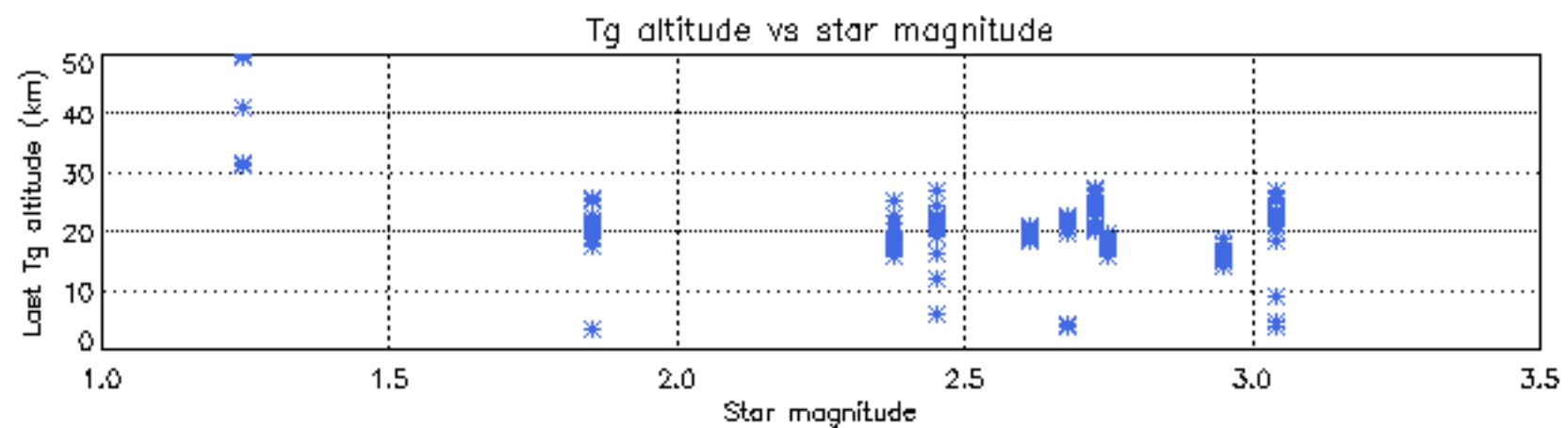
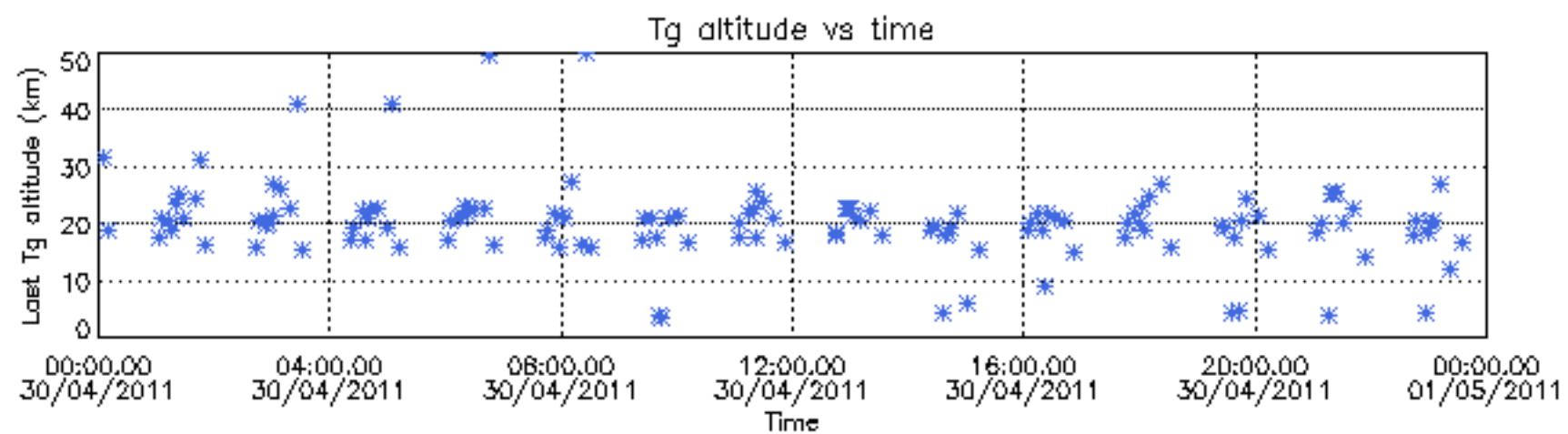
Percentage of saturation errors per profile



Tangent altitude at which the star is lost

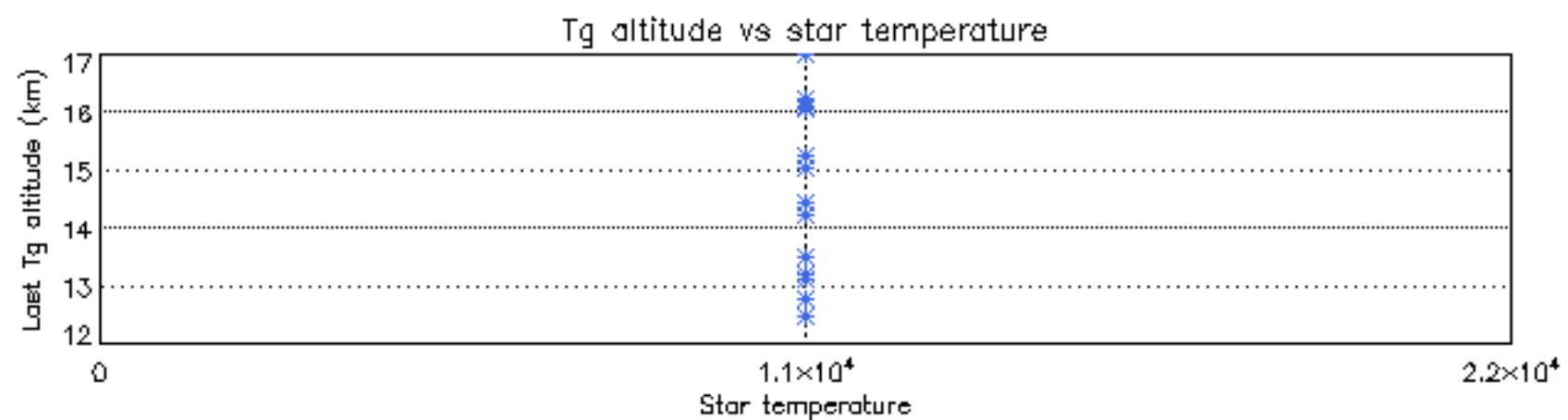
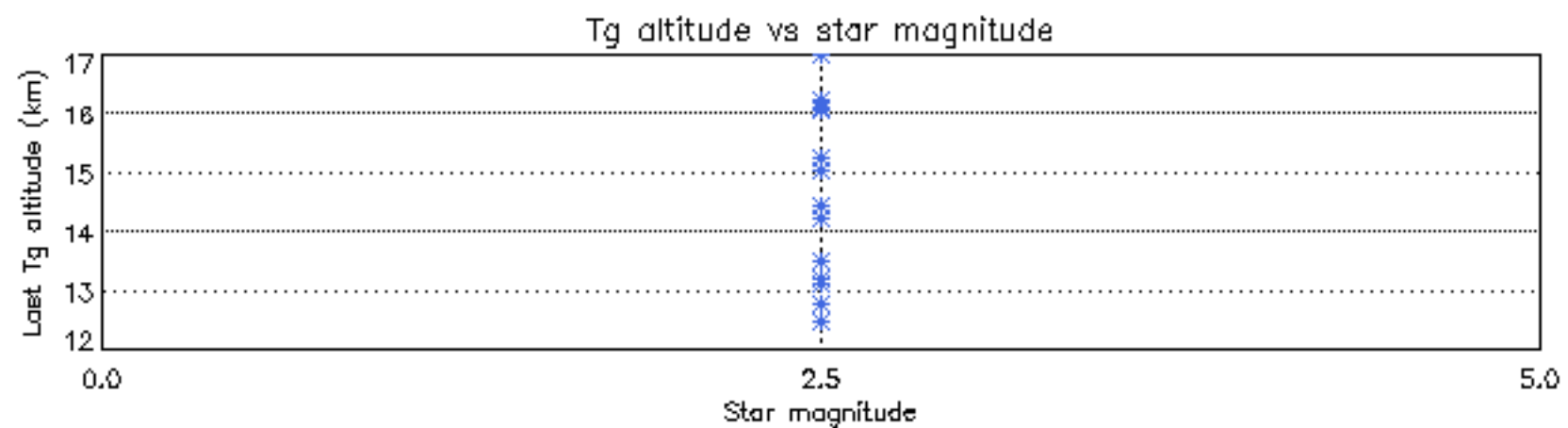
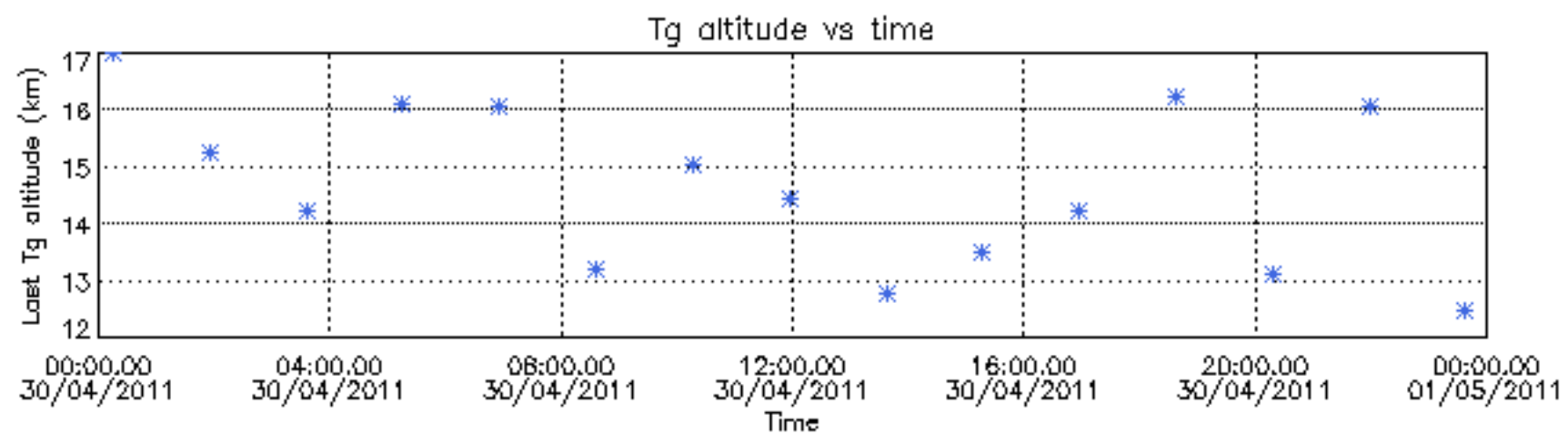


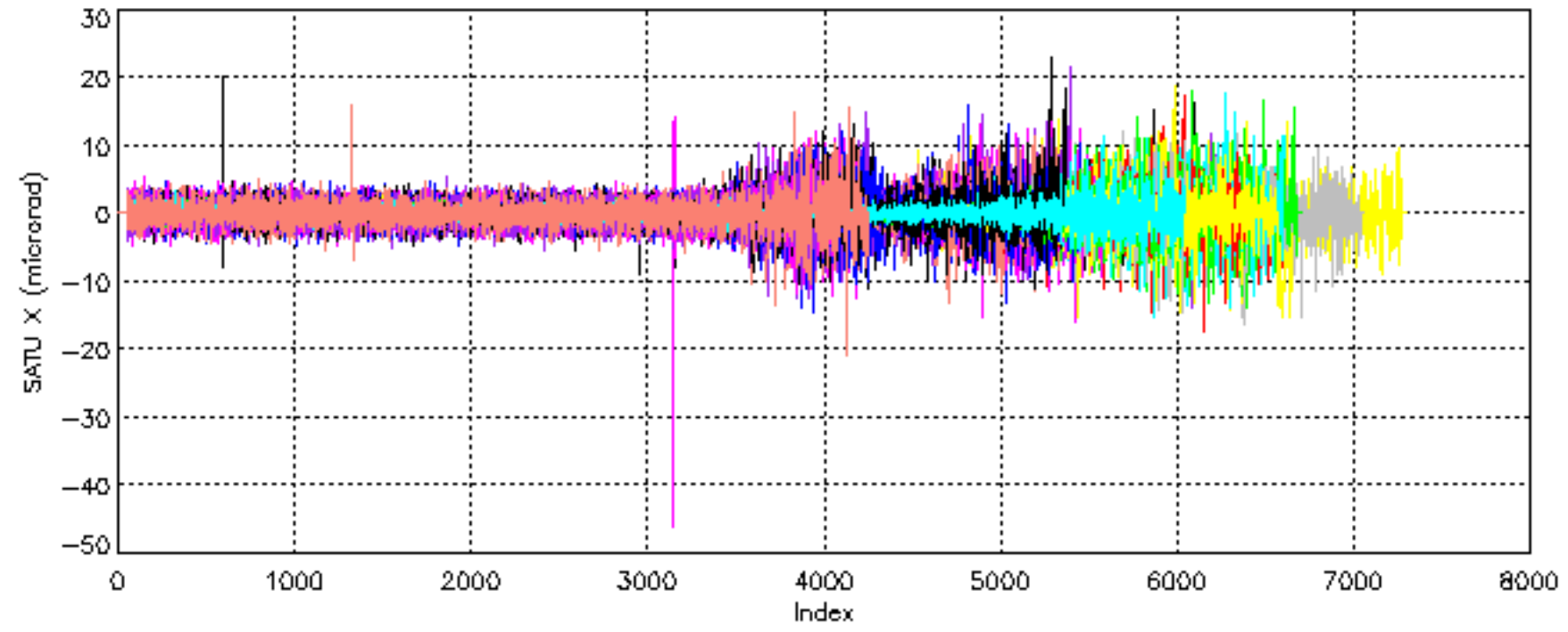
Tangent altitude at which the star is lost

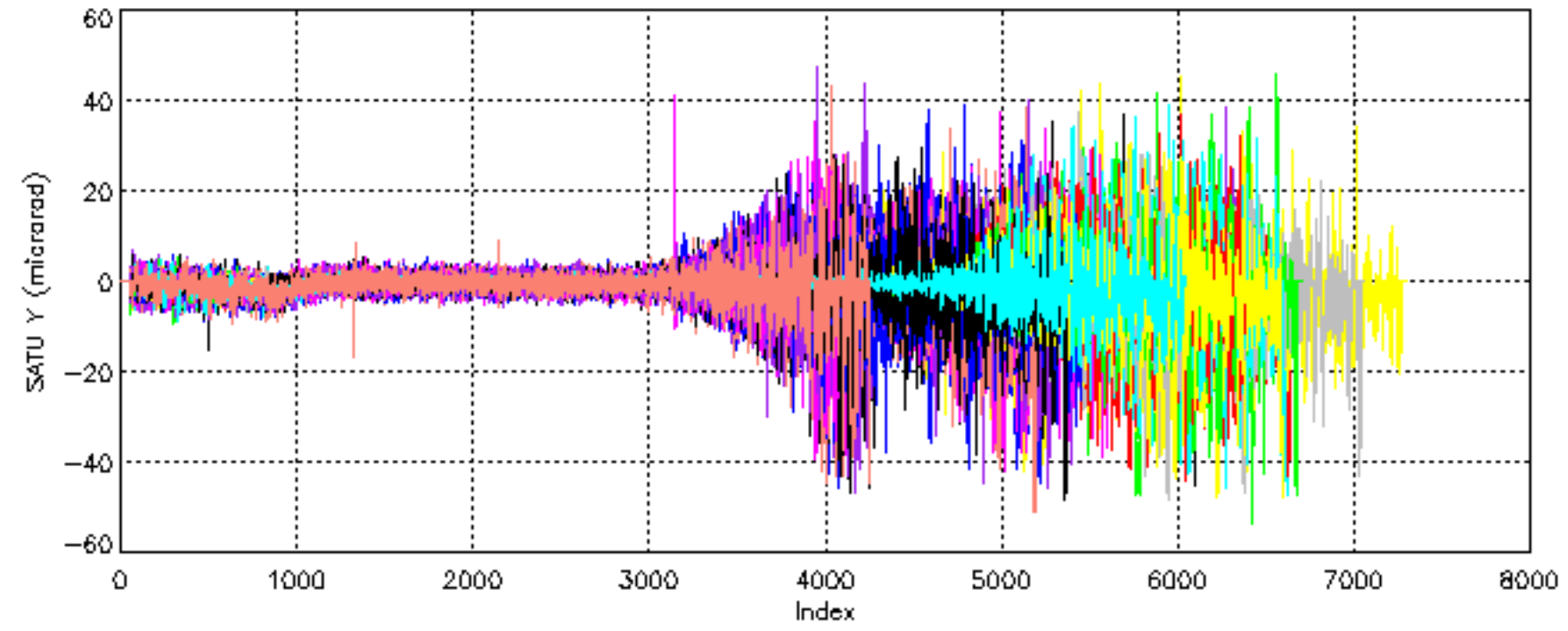


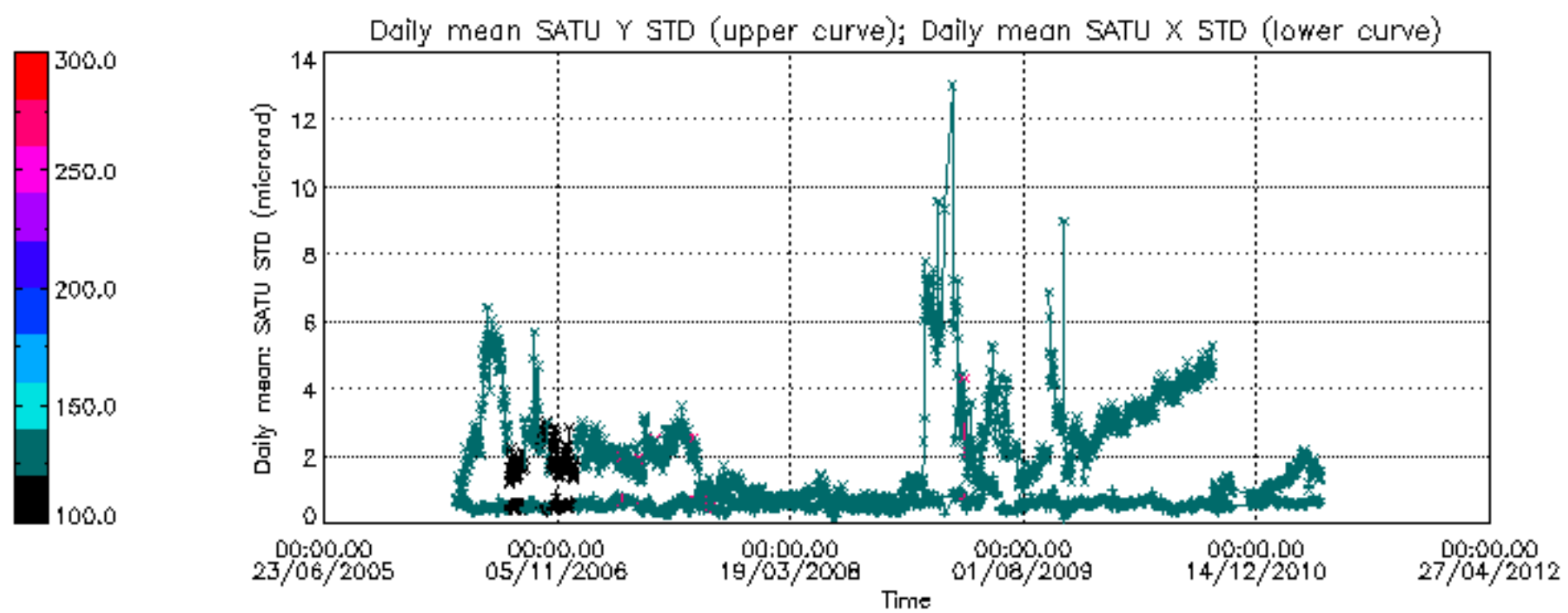


Tangent altitude at which the star is lost











/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  
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4; 2612.5; 07-APR-2011 12:03:22; Bright; 41.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 82; 0;47595  
5; 2813.9; 07-APR-2011 12:06:44; Bright; 39.0; 87; 64Gam UMa ; 2.43; 11000;occ; 78; 0;47595  
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9; 3874.1; 07-APR-2011 12:24:24; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;47595  
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3; 1863.4; 07-APR-2011 13:31:07; Bright; 39.0; 121; 29Gam Vir ; 2.74; 7200;occ; 78; 0;47596  
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6; 2611.7; 07-APR-2011 15:23:49; Bright; 39.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 78; 0;47597  
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4; 458.1; 08-APR-2011 00:49:20; Dark ; 58.5; 25; 35Lam Sco ; 1.62; 28000;occ; 117; 0;47603  
5; 892.9; 08-APR-2011 00:56:34; Dark ; 45.0; 78; Alp Lup ; 2.30; 28000;occ; 90; 0;47603  
6; 988.9; 08-APR-2011 00:58:10; Dark ; 45.0; 81; Eta Cen ; 2.36; 28000;occ; 90; 0;47603  
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9; 1593.0; 08-APR-2011 01:08:14; Dark ; 41.5; 163; 7Del Crv ; 2.94; 11000;occ; 83; 0;47603  
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13; 2608.8; 08-APR-2011 01:25:10; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;47603  
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22; 4836.6; 08-APR-2011 02:02:18; Dark ; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;47603  
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4; 209.0; 08-APR-2011 02:25:24; Dark ; 58.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 117; 0;47604  
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6; 893.5; 08-APR-2011 02:36:49; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;47604  
7; 989.5; 08-APR-2011 02:38:25; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;47604  
8; 1141.3; 08-APR-2011 02:40:57; Dark ; 53.5; 54; 5The Cen ; 2.06; 4500;occ; 107; 0;47604  
9; 1443.0; 08-APR-2011 02:45:58; Dark ; 47.0; 169; 46Gam Hya ; 2.99; 4700;occ; 94; 0;47604  
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13; 2109.4; 08-APR-2011 02:57:05; Bright; 42.5; 138; 47Eps Vir ; 2.83; 4700;occ; 85; 0;47604  
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15; 2812.8; 08-APR-2011 03:08:48; Bright; 35.5; 87; 64Gam UMa ; 2.43; 11000;occ; 71; 0;47604  
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12; 990.1; 08-APR-2011 04:18:40; Dark ; 44.0; 81; Eta Cen ; 2.36; 28000;occ; 88; 0;47605
13; 1141.5; 08-APR-2011 04:21:11; Dark ; 50.5; 54; 5The Cen ; 2.06; 4500;occ; 101; 0;47605
14; 1443.3; 08-APR-2011 04:26:13; Dark ; 50.0; 169; 46Gam Hya ; 2.99; 4700;occ; 100; 0;47605
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6; -889.3; 08-APR-2011 05:27:34; Dark ; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;47605
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2; 117.2; 13-APR-2011 22:43:28; Dark ; 64.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 128; 0;47688
3; 332.4; 13-APR-2011 22:47:04; Dark ; 63.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 127; 0;47688
4; 467.5; 13-APR-2011 22:49:19; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;47688
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
7; 935.7; 13-APR-2011 22:57:07; Dark ; 45.5; 78; Alp Lup ; 2.30; 28000;occ; 91; 0;47688
8; 1031.0; 13-APR-2011 22:58:42; Dark ; 43.0; 81; Eta Cen ; 2.36; 28000;occ; 86; 0;47688
9; 1174.3; 13-APR-2011 23:01:06; Dark ; 49.5; 54; 5The Cen ; 2.06; 4500;occ; 99; 0;47688
10; 1459.6; 13-APR-2011 23:05:51; Dark ; 45.0; 169; 46Gam Hya ; 2.99; 4700;occ; 90; 0;47688
11; 1554.2; 13-APR-2011 23:07:25; Dark ; 64.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 129; 0;47688
12; 1679.7; 13-APR-2011 23:09:31; Bright; 46.0; 15; 67Alp Vir ; 0.98; 28000;occ; 92; 0;47688
13; 2091.7; 13-APR-2011 23:16:23; Bright; 39.0; 138; 47Eps Vir ; 2.83; 4700;occ; 78; 0;47688

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 17; 3260.2; 13-APR-2011 23:35:51; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;47688  
 18; 3351.9; 13-APR-2011 23:37:23; Bright; 47.0; 119; 14Eta Dra ; 2.73; 4700;occ; 94; 0;47688  
 19; 3861.4; 13-APR-2011 23:45:53; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 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  
 24; 5169.9; 14-APR-2011 00:07:41; Dark ; 48.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 97; 0;47688

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 6; -850.0; 13-APR-2011 07:25:15; Dark ; 46.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 92; 0;47678  
 7; -137.1; 13-APR-2011 07:37:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47678  
 8; 103.0; 13-APR-2011 07:41:08; Dark ; 59.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 118; 0;47679  
 9; 319.1; 13-APR-2011 07:44:44; Dark ; 60.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 121; 0;47679  
 10; 461.3; 13-APR-2011 07:47:07; Dark ; 48.0; 141; Bet Ara ; 2.84; 4600;occ; 96; 0;47679  
 11; 559.8; 13-APR-2011 07:48:45; Dark ; 62.0; 25; 35Lam Sco ; 1.62; 28000;occ; 124; 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  
 14; 1026.9; 13-APR-2011 07:56:32; Dark ; 44.5; 81; Eta Cen ; 2.36; 28000;occ; 89; 0;47679  
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 18; 1679.4; 13-APR-2011 08:07:25; Bright; 33.5; 15; 67Alp Vir ; 0.98; 28000;occ; 67; 0;47679

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 3; 2305.8; 13-APR-2011 08:17:51; Bright; 50.5; 111; 8Eta Boo ; 2.68; 6000;occ; 101; 0;47679  
 4; 2581.8; 13-APR-2011 08:22:27; Bright; 39.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 79; 0;47679  
 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  
 8; 3863.0; 13-APR-2011 08:43:48; Bright; 57.0; 89; 5Alp Cep ; 2.45; 8000;occ; 114; 0;47679  
 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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 14; 5878.0; 13-APR-2011 09:17:23; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;47679  
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 18; 6574.9; 13-APR-2011 09:29:00; Dark ; 67.0; 25; 35Lam Sco ; 1.62; 28000;occ; 134; 0;47680  
 19; 6814.2; 13-APR-2011 09:32:59; Dark ; 63.0; 75; 26Eps Sco ; 2.29; 4250;occ; 126; 0;47680  
 20; 6946.0; 13-APR-2011 09:35:11; Dark ; 45.0; 78; Alp Lup ; 2.30; 28000;occ; 90; 0;47680  
 21; 7041.3; 13-APR-2011 09:36:47; Dark ; 45.5; 81; Eta Cen ; 2.36; 28000;occ; 91; 0;47680  
 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  
 24; 7567.3; 13-APR-2011 09:45:33; Dark ; 58.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 116; 0;47680  
 25; 7693.2; 13-APR-2011 09:47:38; Bright; 54.5; 15; 67Alp Vir ; 0.98; 28000;occ; 109; 0;47680

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 3; 2304.7; 13-APR-2011 11:38:18; Bright; 48.5; 111; 8Eta Boo ; 2.68; 6000;occ; 97; 0;47681  
 4; 2581.2; 13-APR-2011 11:42:54; Bright; 41.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 82; 0;47681  
 5; 2844.9; 13-APR-2011 11:47:18; Bright; 42.5; 39; 85Eta UMa ; 1.85; 24000;occ; 85; 0;47681  
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 8; 3862.7; 13-APR-2011 12:04:16; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;47681  
 9; 4134.0; 13-APR-2011 12:08:47; Bright; 55.5; 144; 18Del Cyg ; 2.86; 11000;occ; 111; 0;47681  
 10; 4281.3; 13-APR-2011 12:11:14; Bright; 54.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 109; 0;47681  
 11; 4429.2; 13-APR-2011 12:13:42; Bright; 52.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 105; 0;47681

12;	4865.6;	13-APR-2011	12:20:59;	Dark	;	52.5;	61;	8Eps Peg	;	2.10;	3900;occ;	105;	0;	47681
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
18;	6577.3;	13-APR-2011	12:49:31;	Dark	;	59.5;	25;	35Lam Sco	;	1.62;	28000;occ;	119;	0;	47682
19;	6816.6;	13-APR-2011	12:53:30;	Dark	;	64.0;	75;	26Eps Sco	;	2.29;	4250;occ;	128;	0;	47682
20;	6946.7;	13-APR-2011	12:55:40;	Dark	;	43.5;	78;	Alp Lup	;	2.30;	28000;occ;	87;	0;	47682
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
5;	2580.9;	13-APR-2011	13:23:08;	Bright	;	48.0;	152;	12Alp2CVn	;	2.89;	11000;occ;	96;	0;	47682
6;	2844.2;	13-APR-2011	13:27:31;	Bright	;	44.0;	39;	85Eta UMa	;	1.85;	24000;occ;	88;	0;	47682
7;	3262.2;	13-APR-2011	13:34:29;	Bright	;	39.5;	60;	7Bet UMi	;	2.08;	3950;occ;	79;	0;	47682
8;	3356.4;	13-APR-2011	13:36:03;	Bright	;	46.0;	119;	14Eta Dra	;	2.73;	4700;occ;	92;	0;	47682
9;	3862.7;	13-APR-2011	13:44:30;	Bright	;	39.0;	89;	5Alp Cep	;	2.45;	8000;occ;	78;	0;	47682
10;	4133.7;	13-APR-2011	13:49:01;	Bright	;	66.0;	144;	18Del Cyg	;	2.86;	11000;occ;	132;	0;	47682
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
17;	6339.2;	13-APR-2011	14:25:46;	Dark	;	62.0;	38;	20Eps Sgr	;	1.84;	11000;occ;	124;	0;	47683
18;	6478.1;	13-APR-2011	14:28:05;	Dark	;	45.0;	141;	Bet Ara	;	2.84;	4600;occ;	90;	0;	47683
19;	6578.7;	13-APR-2011	14:29:46;	Dark	;	61.0;	25;	35Lam Sco	;	1.62;	28000;occ;	122;	0;	47683
20;	6817.8;	13-APR-2011	14:33:45;	Dark	;	64.0;	75;	26Eps Sco	;	2.29;	4250;occ;	128;	0;	47683
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
23;	7186.4;	13-APR-2011	14:39:53;	Dark	;	50.0;	54;	5The Cen	;	2.06;	4500;occ;	100;	0;	47683
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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2;	1553.7;	13-APR-2011	14:46:15;	Dark	;	62.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	124;	0;	47683
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
5;	2303.6;	13-APR-2011	14:58:45;	Bright	;	48.0;	111;	8Eta Boo	;	2.68;	6000;occ;	96;	0;	47683
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
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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
14;	4866.9;	13-APR-2011	15:41:28;	Dark	;	50.5;	61;	8Eps Peg	;	2.10;	3900;occ;	101;	0;	47683
15;	5167.0;	13-APR-2011	15:46:28;	Dark	;	48.5;	154;	22Bet Aqr	;	2.90;	5700;occ;	97;	0;	47683
16;	5882.5;	13-APR-2011	15:58:24;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;	47683
17;	6125.1;	13-APR-2011	16:02:26;	Dark	;	60.0;	103;	38Zet Sgr	;	2.60;	9700;occ;	120;	0;	47684
18;	6340.7;	13-APR-2011	16:06:02;	Dark	;	62.0;	38;	20Eps Sgr	;	1.84;	11000;occ;	124;	0;	47684
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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21;	6819.1;	13-APR-2011	16:14:00;	Dark	;	63.5;	75;	26Eps Sco	;	2.29;	4250;occ;	127;	0;	47684
22;	6948.1;	13-APR-2011	16:16:09;	Dark	;	42.5;	78;	Alp Lup	;	2.30;	28000;occ;	85;	0;	47684
23;	7043.4;	13-APR-2011	16:17:44;	Dark	;	46.0;	81;	Eta Cen	;	2.36;	28000;occ;	92;	0;	47684
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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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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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 11; 2265.4; 19-APR-2011 01:16:18; Bright; 45.0; 111; 8Eta Boo ; 2.68; 6000;occ; 90; 0;47761  
 12; 2556.7; 19-APR-2011 01:21:09; Bright; 56.0; 83; ; 2.38; 11000;occ; 112; 0;47761  
 13; 2718.4; 19-APR-2011 01:23:51; Bright; 47.5; 180; 27Gam Boo ; 3.04; 8000;occ; 95; 0;47761  
 14; 2869.0; 19-APR-2011 01:26:22; Bright; 39.0; 55; 79Zet UMA ; 2.06; 10200;occ; 78; 0;47761  
 15; 3243.1; 19-APR-2011 01:32:36; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;47761  
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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  
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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  
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 5; 568.2; 19-APR-2011 02:28:15; Dark ; 55.0; 178; Iot1Sco ; 3.02; 6550;occ; 110; 0;47762  
 6; 664.6; 19-APR-2011 02:29:51; Dark ; 61.5; 25; 35Lam Sco ; 1.62; 28000;occ; 123; 0;47762  
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 13; 2717.9; 19-APR-2011 03:04:05; Bright; 48.5; 180; 27Gam Boo ; 3.04; 8000;occ; 97; 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  
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 12; 445.5; 19-APR-2011 04:06:26; Dark ; 63.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 127; 0;47763  
 13; 569.4; 19-APR-2011 04:08:30; Dark ; 55.0; 178; Iot1Sco ; 3.02; 6550;occ; 110; 0;47763  
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2; 2234.8; 25-APR-2011 12:37:29; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;47854
3; 2482.4; 25-APR-2011 12:41:36; Bright; 51.5; 83; ; 2.38; 11000;occ; 103; 0;47854
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5; 2773.6; 25-APR-2011 12:46:28; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 0;47854
6; 3237.0; 25-APR-2011 12:54:11; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;47854
7; 3827.6; 25-APR-2011 13:04:02; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;47854
8; 4140.0; 25-APR-2011 13:09:14; Bright; 55.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 111; 0;47854
9; 4475.4; 25-APR-2011 13:14:49; Bright; 42.5; 164; 44Eta Peg ; 2.95; 5400;occ; 85; 0;47854
10; 4954.8; 25-APR-2011 13:22:49; Dark ; 63.5; 61; 8Eps Peg ; 2.10; 3900;occ; 127; 0;47854
11; 5102.4; 25-APR-2011 13:25:16; Dark ; 50.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 100; 0;47854
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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; 6989.6; 25-APR-2011 13:56:44; Dark ; 66.0; 75; 26Eps Sco ; 2.29; 4250;occ; 132; 0;47855
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3; 2234.5; 25-APR-2011 14:17:42; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;47855
4; 2481.6; 25-APR-2011 14:21:50; Bright; 51.0; 83; ; 2.38; 11000;occ; 102; 0;47855
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7; 3236.6; 25-APR-2011 14:34:25; Bright; 59.5; 119; 14Eta Dra ; 2.73; 4700;occ; 119; 0;47855
8; 3827.8; 25-APR-2011 14:44:16; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;47855
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5; 2234.2; 25-APR-2011 15:57:56; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;47856
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8; 2773.1; 25-APR-2011 16:06:55; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;47856
9; 3235.9; 25-APR-2011 16:14:38; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;47856
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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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