

# GOMOS Daily Report 04-MAY-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	12MAY2011 07:05:45
Data source version	GOMOS/5.01
Start time of products	04MAY2011 00:01:43
Stop time of products	04MAY2011 23:57:38
Store outputs in DB	Yes
Nb of level 1b prods	268
Nb of prods with errors	3

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

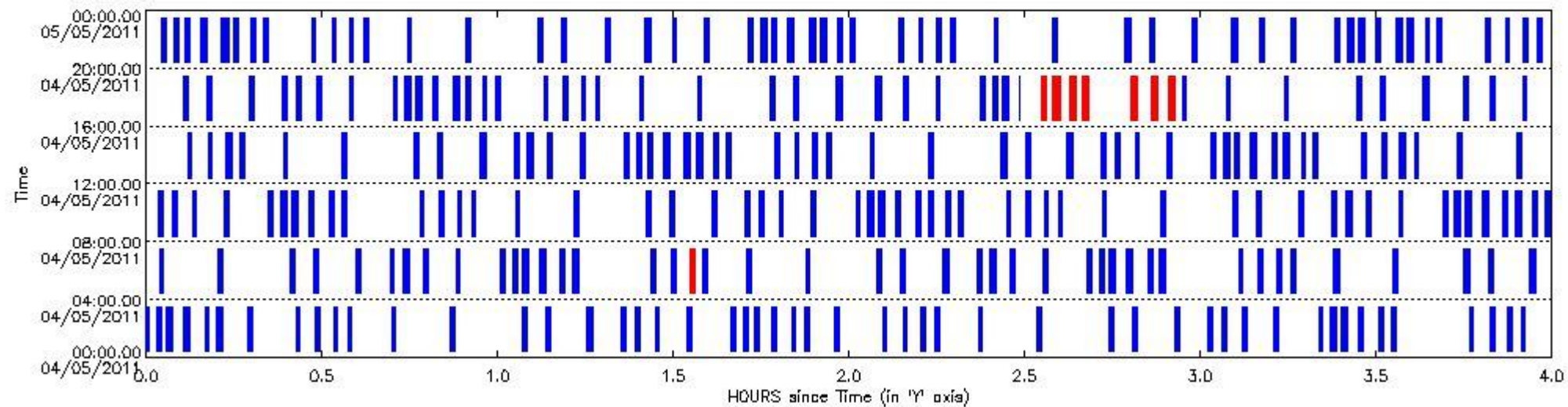
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
04-MAY-2011 05:32:46	27GamBoo	180	47979
04-MAY-2011 18:32:43	21AlpSco	16	47987
04-MAY-2011 18:34:47	7DelSco	80	47987
04-MAY-2011 18:37:46	9Alp2Lib	122	47987
04-MAY-2011 18:39:53	27BetLib	104	47987
04-MAY-2011 18:48:12	8EtaBoo	111	47987
04-MAY-2011 18:51:32		83	47987
04-MAY-2011 18:54:35	27GamBoo	180	47987

### 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_1PNPDE20110504_000143_000000563102_00117_47976_0315.N1	04-MAY-2011 00:01:43	Straylight	55.500	40	The Sco	1.8590	7100.0	111	47976	No
2	GOM_TRA_1PNPDE20110504_000330_000000593102_00117_47976_0316.N1	04-MAY-2011 00:03:30	Straylight	59.000	25	35Lam Sco	1.6200	28000.	118	47976	No
3	GOM_TRA_1PNPDE20110504_000625_000000573102_00117_47976_0317.N1	04-MAY-2011 00:06:25	Straylight	57.000	75	26Eps Sco	2.2910	4250.0	114	47976	No

4	GOM_TRA_1PNPDE20110504_000959_000000403102_00117_47976_0318.N1	04-MAY-2011 00:09:59	Twilight	40.000	16	21Alp Sco	1.0200	3000.0	80	47976	No
5	GOM_TRA_1PNPDE20110504_001204_000000613102_00117_47976_0319.N1	04-MAY-2011 00:12:04	Twilight	60.500	80	7Del Sco	2.3160	30000.	121	47976	No
6	GOM_TRA_1PNPDE20110504_001714_000000473102_00117_47976_0320.N1	04-MAY-2011 00:17:14	Bright	46.500	104	27Bet Lib	2.6140	13100.	93	47976	No
7	GOM_TRA_1PNPDE20110504_002533_000000383102_00117_47976_0321.N1	04-MAY-2011 00:25:33	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	47976	No
8	GOM_TRA_1PNPDE20110504_002856_000000443102_00117_47976_0322.N1	04-MAY-2011 00:28:56	Bright	44.000	83		2.3780	11000.	88	47976	No
9	GOM_TRA_1PNPDE20110504_003159_000000393102_00117_47976_0323.N1	04-MAY-2011 00:31:59	Bright	39.000	180	27Gam Boo	3.0400	8000.0	78	47976	No
10	GOM_TRA_1PNPDE20110504_003425_000000383102_00117_47976_0324.N1	04-MAY-2011 00:34:25	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	47976	No
11	GOM_TRA_1PNPDE20110504_004151_000000353102_00117_47976_0325.N1	04-MAY-2011 00:41:51	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	47976	No
12	GOM_TRA_1PNPDE20110504_005152_000000413102_00117_47976_0326.N1	04-MAY-2011 00:51:52	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	47976	No
13	GOM_TRA_1PNPDE20110504_010403_000000513102_00117_47976_0327.N1	04-MAY-2011 01:04:03	Bright	50.500	93	53Bet Peg	2.5200	3100.0	101	47976	No
14	GOM_TRA_1PNPDE20110504_010808_000000483102_00117_47976_0328.N1	04-MAY-2011 01:08:08	Twilight	48.000	90	54Alp Peg	2.4870	11000.	96	47976	No
15	GOM_TRA_1PNPDE20110504_011516_000000583102_00117_47976_0329.N1	04-MAY-2011 01:15:16	Dark	57.500	162	34Alp Aqr	2.9440	5350.0	115	47976	No
16	GOM_TRA_1PNPDE20110504_012104_000000463102_00117_47976_0354.N1	04-MAY-2011 01:21:04	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	47976	No
17	GOM_TRA_1PNPDE20110504_012651_000000463102_00117_47976_0355.N1	04-MAY-2011 01:26:51	Dark	45.500	31	Alp Gru	1.7340	15200.	91	47976	No
18	GOM_TRA_1PNPDE20110504_013223_000000433102_00118_47977_0356.N1	04-MAY-2011 01:32:23	Dark	42.500	45	Alp Pav	1.9400	26000.	85	47977	No
19	GOM_TRA_1PNPDE20110504_013954_000000453102_00118_47977_0357.N1	04-MAY-2011 01:39:54	Straylight	44.500	141	Bet Ara	2.8400	4600.0	89	47977	No
20	GOM_TRA_1PNPDE20110504_014157_000000543102_00118_47977_0358.N1	04-MAY-2011 01:41:57	Straylight	54.000	40	The Sco	1.8590	7100.0	108	47977	No
21	GOM_TRA_1PNPDE20110504_014345_000000593102_00118_47977_0359.N1	04-MAY-2011 01:43:45	Straylight	59.000	25	35Lam Sco	1.6200	28000.	118	47977	No
22	GOM_TRA_1PNPDE20110504_014639_000000613102_00118_47977_0360.N1	04-MAY-2011 01:46:39	Straylight	61.000	75	26Eps Sco	2.2910	4250.0	122	47977	No
23	GOM_TRA_1PNPDE20110504_015013_000000403102_00118_47977_0361.N1	04-MAY-2011 01:50:13	Twilight	40.000	16	21Alp Sco	1.0200	3000.0	80	47977	No
24	GOM_TRA_1PNPDE20110504_015218_000000603102_00118_47977_0362.N1	04-MAY-2011 01:52:18	Twilight	59.500	80	7Del Sco	2.3160	30000.	119	47977	No
25	GOM_TRA_1PNPDE20110504_015727_000000473102_00118_47977_0363.N1	04-MAY-2011 01:57:27	Bright	46.500	104	27Bet Lib	2.6140	13100.	93	47977	No
26	GOM_TRA_1PNPDE20110504_020547_000000393102_00118_47977_0364.N1	04-MAY-2011 02:05:47	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	47977	No
27	GOM_TRA_1PNPDE20110504_020910_000000443102_00118_47977_0365.N1	04-MAY-2011 02:09:10	Bright	43.500	83		2.3780	11000.	87	47977	No
28	GOM_TRA_1PNPDE20110504_021213_000000543102_00118_47977_0366.N1	04-MAY-2011 02:12:13	Bright	54.000	180	27Gam Boo	3.0400	8000.0	108	47977	No
29	GOM_TRA_1PNPDE20110504_021439_000000553102_00118_47977_0367.N1	04-MAY-2011 02:14:39	Bright	55.000	39	85Eta UMa	1.8540	24000.	110	47977	No
30	GOM_TRA_1PNPDE20110504_022205_000000393102_00118_47977_0368.N1	04-MAY-2011 02:22:05	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	47977	No
31	GOM_TRA_1PNPDE20110504_023205_000000433102_00118_47977_0369.N1	04-MAY-2011 02:32:05	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	47977	No
32	GOM_TRA_1PNPDE20110504_024418_000000603102_00118_47977_0370.N1	04-MAY-2011 02:44:18	Bright	60.000	93	53Bet Peg	2.5200	3100.0	120	47977	No
33	GOM_TRA_1PNPDE20110504_024822_000000463102_00118_47977_0371.N1	04-MAY-2011 02:48:22	Twilight	46.000	90	54Alp Peg	2.4870	11000.	92	47977	No
34	GOM_TRA_1PNPDE20110504_025531_000000573102_00118_47977_0372.N1	04-MAY-2011 02:55:31	Dark	56.500	162	34Alp Aqr	2.9440	5350.0	113	47977	No
35	GOM_TRA_1PNPDE20110504_030118_000000423102_00118_47977_0373.N1	04-MAY-2011 03:01:18	Dark	42.000	18	24Alp PsA	1.1660	9700.0	84	47977	No
36	GOM_TRA_1PNPDE20110504_030706_000000463102_00118_47977_0374.N1	04-MAY-2011 03:07:06	Dark	46.000	31	Alp Gru	1.7340	15200.	92	47977	No
37	GOM_TRA_1PNPDE20110504_031238_000000413102_00119_47978_0375.N1	04-MAY-2011 03:12:38	Dark	40.500	45	Alp Pav	1.9400	26000.	81	47978	No
38	GOM_TRA_1PNPDE20110504_032009_000000423102_00119_47978_0376.N1	04-MAY-2011 03:20:09	Straylight	42.000	141	Bet Ara	2.8400	4600.0	84	47978	No
39	GOM_TRA_1PNPDE20110504_032212_000000553102_00119_47978_0377.N1	04-MAY-2011 03:22:12	Straylight	55.000	40	The Sco	1.8590	7100.0	110	47978	No
40	GOM_TRA_1PNPDE20110504_032359_000000603102_00119_47978_0378.N1	04-MAY-2011 03:23:59	Straylight	59.500	25	35Lam Sco	1.6200	28000.	119	47978	No
41	GOM_TRA_1PNPDE20110504_032654_000000573102_00119_47978_0379.N1	04-MAY-2011 03:26:54	Straylight	57.000	75	26Eps Sco	2.2910	4250.0	114	47978	No
42	GOM_TRA_1PNPDE20110504_033027_000000453102_00119_47978_0380.N1	04-MAY-2011 03:30:27	Twilight	45.000	16	21Alp Sco	1.0200	3000.0	90	47978	No
43	GOM_TRA_1PNPDE20110504_033232_000000573102_00119_47978_0381.N1	04-MAY-2011 03:32:32	Twilight	57.000	80	7Del Sco	2.3160	30000.	114	47978	No
44	GOM_TRA_1PNPDE20110504_034601_000000383102_00119_47978_0382.N1	04-MAY-2011 03:46:01	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	47978	No
45	GOM_TRA_1PNPDE20110504_034924_000000463102_00119_47978_0383.N1	04-MAY-2011 03:49:24	Bright	46.000	83		2.3780	11000.	92	47978	No
46	GOM_TRA_1PNPDE20110504_035227_000000393102_00119_47978_0384.N1	04-MAY-2011 03:52:27	Bright	39.000	180	27Gam Boo	3.0400	8000.0	78	47978	No
47	GOM_TRA_1PNPDE20110504_035452_000000363102_00119_47978_0385.N1	04-MAY-2011 03:54:52	Bright	36.000	39	85Eta UMa	1.8540	24000.	72	47978	No
48	GOM_TRA_1PNPDE20110504_040219_000000383102_00119_47978_0386.N1	04-MAY-2011 04:02:19	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	47978	No
49	GOM_TRA_1PNPDE20110504_041219_000000423102_00119_47978_0390.N1	04-MAY-2011 04:12:19	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	47978	No
50	GOM_TRA_1PNPDE20110504_042432_000000553102_00119_47978_0391.N1	04-MAY-2011 04:24:32	Bright	55.000	93	53Bet Peg	2.5200	3100.0	110	47978	No
51	GOM_TRA_1PNPDE20110504_042837_000000453102_00119_47978_0392.N1	04-MAY-2011 04:28:37	Twilight	44.500	90	54Alp Peg	2.4870	11000.	89	47978	No
52	GOM_TRA_1PNPDE20110504_043546_000000573102_00119_47978_0393.N1	04-MAY-2011 04:35:46	Dark	56.500	162	34Alp Aqr	2.9440	5350.0	113	47978	No
53	GOM_TRA_1PNPDE20110504_044133_000000453102_00119_47978_0394.N1	04-MAY-2011 04:41:33	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	47978	No
54	GOM_TRA_1PNPDE20110504_044721_000000513102_00119_47978_0395.N1	04-MAY-2011 04:47:21	Dark	51.000	31	Alp Gru	1.7340	15200.	102	47978	No
55	GOM_TRA_1PNPDE20110504_045252_000000423102_00120_47979_0396.N1	04-MAY-2011 04:52:52	Dark	41.500	45	Alp Pav	1.9400	26000.	83	47979	No
56	GOM_TRA_1PNPDE20110504_050024_000000473102_00120_47979_0397.N1	04-MAY-2011 05:00:24	Straylight	46.500	141	Bet Ara	2.8400	4600.0	93	47979	No
57	GOM_TRA_1PNPDE20110504_050227_000000553102_00120_47979_0398.N1	04-MAY-2011 05:02:27	Straylight	55.000	40	The Sco	1.8590	7100.0	110	47979	No
58	GOM_TRA_1PNPDE20110504_050415_000000633102_00120_47979_0399.N1	04-MAY-2011 05:04:15	Straylight	62.500	25	35Lam Sco	1.6200	28000.	125	47979	No
59	GOM_TRA_1PNPDE20110504_050709_000000603102_00120_47979_0400.N1	04-MAY-2011 05:07:09	Straylight	59.500	75	26Eps Sco	2.2910	4250.0	119	47979	No
60	GOM_TRA_1PNPDE20110504_051042_000000453102_00120_47979_0401.N1	04-MAY-2011 05:10:42	Twilight	45.000	16	21Alp Sco	1.0200	3000.0	90	47979	No
61	GOM_TRA_1PNPDE20110504_051247_000000623102_00120_47979_0402.N1	04-MAY-2011 05:12:47	Twilight	61.500	80	7Del Sco	2.3160	30000.	123	47979	No
62	GOM_TRA_1PNPDE20110504_052615_000000493102_00120_47979_0403.N1	04-MAY-2011 05:26:15	Bright	48.500	111	8Eta Boo	2.6800	6000.0	97	47979	No



63	GOM_TRA_1PNPDE20110504_052937_000000423102_00120_47979_0404.N1	04-MAY-2011 05:29:37	Bright	42.000	83		2.3780	11000.	84	47979	No
64	GOM_TRA_1PNPDE20110504_053506_000000363102_00120_47979_0405.N1	04-MAY-2011 05:35:06	Bright	35.500	39	85Eta UMa	1.8540	24000.	71	47979	No
65	GOM_TRA_1PNPDE20110504_054233_000000393102_00120_47979_0406.N1	04-MAY-2011 05:42:33	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	47979	No
66	GOM_TRA_1PNPDE20110504_055233_000000433102_00120_47979_0410.N1	04-MAY-2011 05:52:33	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	47979	No
67	GOM_TRA_1PNPDE20110504_060446_000000503102_00120_47979_0411.N1	04-MAY-2011 06:04:46	Bright	49.500	93	53Bet Peg	2.5200	3100.0	99	47979	No
68	GOM_TRA_1PNPDE20110504_060851_000000473102_00120_47979_0412.N1	04-MAY-2011 06:08:51	Twilight	47.000	90	54Alp Peg	2.4870	11000.	94	47979	No
69	GOM_TRA_1PNPDE20110504_061601_000000593102_00120_47979_0413.N1	04-MAY-2011 06:16:01	Dark	59.000	162	34Alp Aqr	2.9440	5350.0	118	47979	No
70	GOM_TRA_1PNPDE20110504_062147_000000513102_00120_47979_0414.N1	04-MAY-2011 06:21:47	Dark	51.000	18	24Alp PsA	1.1660	9700.0	102	47979	No
71	GOM_TRA_1PNPDE20110504_062735_000000453102_00120_47979_0415.N1	04-MAY-2011 06:27:35	Dark	44.500	31	Alp Gru	1.7340	15200.	89	47979	No
72	GOM_TRA_1PNPDE20110504_063307_000000423102_00121_47980_0416.N1	04-MAY-2011 06:33:07	Dark	42.000	45	Alp Pav	1.9400	26000.	84	47980	No
73	GOM_TRA_1PNPDE20110504_064039_000000463102_00121_47980_0417.N1	04-MAY-2011 06:40:39	Straylight	45.500	141	Bet Ara	2.8400	4600.0	91	47980	No
74	GOM_TRA_1PNPDE20110504_064242_000000553102_00121_47980_0418.N1	04-MAY-2011 06:42:42	Straylight	55.000	40	The Sco	1.8590	7100.0	110	47980	No
75	GOM_TRA_1PNPDE20110504_064429_000000603102_00121_47980_0419.N1	04-MAY-2011 06:44:29	Straylight	59.500	25	35Lam Sco	1.6200	28000.	119	47980	No
76	GOM_TRA_1PNPDE20110504_064723_000000613102_00121_47980_0420.N1	04-MAY-2011 06:47:23	Straylight	60.500	75	26Eps Sco	2.2910	4250.0	121	47980	No
77	GOM_TRA_1PNPDE20110504_065056_000000493102_00121_47980_0421.N1	04-MAY-2011 06:50:56	Twilight	49.000	16	21Alp Sco	1.0200	3000.0	98	47980	No
78	GOM_TRA_1PNPDE20110504_065301_000000583102_00121_47980_0422.N1	04-MAY-2011 06:53:01	Twilight	58.000	80	7Del Sco	2.3160	30000.	116	47980	No
79	GOM_TRA_1PNPDE20110504_070629_000000373102_00121_47980_0423.N1	04-MAY-2011 07:06:29	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	47980	No
80	GOM_TRA_1PNPDE20110504_070951_000000423102_00121_47980_0424.N1	04-MAY-2011 07:09:51	Bright	41.500	83		2.3780	11000.	83	47980	No
81	GOM_TRA_1PNPDE20110504_071254_000000523102_00121_47980_0425.N1	04-MAY-2011 07:12:54	Bright	52.000	180	27Gam Boo	3.0400	8000.0	104	47980	No
82	GOM_TRA_1PNPDE20110504_071520_000000553102_00121_47980_0426.N1	04-MAY-2011 07:15:20	Bright	55.000	39	85Eta UMa	1.8540	24000.	110	47980	No
83	GOM_TRA_1PNPDE20110504_072247_000000553102_00121_47980_0427.N1	04-MAY-2011 07:22:47	Bright	55.000	60	7Bet UMi	2.0810	3950.0	110	47980	No
84	GOM_TRA_1PNPDK20110504_073246_000000603102_00121_47980_2431.N1	04-MAY-2011 07:32:46	Bright	60.000	89	5Alp Cep	2.4510	8000.0	120	47980	Yes
85	GOM_TRA_1PNPDK20110504_074500_000000533102_00121_47980_2432.N1	04-MAY-2011 07:45:00	Bright	53.000	93	53Bet Peg	2.5200	3100.0	106	47980	No
86	GOM_TRA_1PNPDK20110504_074905_000000503102_00121_47980_2433.N1	04-MAY-2011 07:49:05	Twilight	49.500	90	54Alp Peg	2.4870	11000.	99	47980	No
87	GOM_TRA_1PNPDK20110504_075616_000000553102_00121_47980_2434.N1	04-MAY-2011 07:56:16	Dark	54.500	162	34Alp Aqr	2.9440	5350.0	109	47980	No
88	GOM_TRA_1PNPDK20110504_080202_000000463102_00121_47980_2435.N1	04-MAY-2011 08:02:02	Dark	45.500	18	24Alp PsA	1.1660	9700.0	91	47980	No
89	GOM_TRA_1PNPDK20110504_080750_000000423102_00121_47980_2436.N1	04-MAY-2011 08:07:50	Dark	41.500	31	Alp Gru	1.7340	15200.	83	47980	No
90	GOM_TRA_1PNPDK20110504_081322_000000423102_00122_47981_2437.N1	04-MAY-2011 08:13:22	Dark	41.500	45	Alp Pav	1.9400	26000.	83	47981	No
91	GOM_TRA_1PNPDK20110504_082053_000000453102_00122_47981_2438.N1	04-MAY-2011 08:20:53	Straylight	44.500	141	Bet Ara	2.8400	4600.0	89	47981	No
92	GOM_TRA_1PNPDK20110504_082257_000000633102_00122_47981_2439.N1	04-MAY-2011 08:22:57	Straylight	63.000	40	The Sco	1.8590	7100.0	126	47981	No
93	GOM_TRA_1PNPDK20110504_082445_000000623102_00122_47981_2440.N1	04-MAY-2011 08:24:45	Straylight	61.500	25	35Lam Sco	1.6200	28000.	123	47981	No
94	GOM_TRA_1PNPDK20110504_082738_000000573102_00122_47981_2441.N1	04-MAY-2011 08:27:38	Straylight	56.500	75	26Eps Sco	2.2910	4250.0	113	47981	No
95	GOM_TRA_1PNPDK20110504_083111_000000493102_00122_47981_2442.N1	04-MAY-2011 08:31:11	Twilight	49.000	16	21Alp Sco	1.0200	3000.0	98	47981	No
96	GOM_TRA_1PNPDK20110504_083315_000000603102_00122_47981_2443.N1	04-MAY-2011 08:33:15	Twilight	60.000	80	7Del Sco	2.3160	30000.	120	47981	No
97	GOM_TRA_1PNPDK20110504_084643_000000383102_00122_47981_2490.N1	04-MAY-2011 08:46:43	Bright	38.000	111	8Eta Boo	2.6800	6000.0	76	47981	No
98	GOM_TRA_1PNPDK20110504_085004_000000453102_00122_47981_2491.N1	04-MAY-2011 08:50:04	Bright	45.000	83		2.3780	11000.	90	47981	No
99	GOM_TRA_1PNPDK20110504_085308_000000413102_00122_47981_2492.N1	04-MAY-2011 08:53:08	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	47981	No
100	GOM_TRA_1PNPDK20110504_085534_000000383102_00122_47981_2493.N1	04-MAY-2011 08:55:34	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	47981	No
101	GOM_TRA_1PNPDK20110504_090301_000000373102_00122_47981_2494.N1	04-MAY-2011 09:03:01	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	47981	No
102	GOM_TRA_1PNPDK20110504_091300_000000433102_00122_47981_2495.N1	04-MAY-2011 09:13:00	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	47981	No
103	GOM_TRA_1PNPDK20110504_092514_000000553102_00122_47981_2496.N1	04-MAY-2011 09:25:14	Bright	54.500	93	53Bet Peg	2.5200	3100.0	109	47981	No
104	GOM_TRA_1PNPDK20110504_092920_000000483102_00122_47981_2497.N1	04-MAY-2011 09:29:20	Twilight	47.500	90	54Alp Peg	2.4870	11000.	95	47981	No
105	GOM_TRA_1PNPDK20110504_093631_000000583102_00122_47981_2498.N1	04-MAY-2011 09:36:31	Dark	57.500	162	34Alp Aqr	2.9440	5350.0	115	47981	No
106	GOM_TRA_1PNPDK20110504_094217_000000453102_00122_47981_2499.N1	04-MAY-2011 09:42:17	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	47981	No
107	GOM_TRA_1PNPDK20110504_094804_000000413102_00122_47981_2500.N1	04-MAY-2011 09:48:04	Dark	41.000	31	Alp Gru	1.7340	15200.	82	47981	No
108	GOM_TRA_1PNPDK20110504_095336_000000423102_00123_47982_2501.N1	04-MAY-2011 09:53:36	Dark	41.500	45	Alp Pav	1.9400	26000.	83	47982	No
109	GOM_TRA_1PNPDK20110504_100108_000000443102_00123_47982_2502.N1	04-MAY-2011 10:01:08	Straylight	43.500	141	Bet Ara	2.8400	4600.0	87	47982	No
110	GOM_TRA_1PNPDK20110504_100311_000000563102_00123_47982_2503.N1	04-MAY-2011 10:03:11	Straylight	55.500	40	The Sco	1.8590	7100.0	111	47982	No
111	GOM_TRA_1PNPDK20110504_100459_000000583102_00123_47982_2504.N1	04-MAY-2011 10:04:59	Straylight	58.000	25	35Lam Sco	1.6200	28000.	116	47982	No
112	GOM_TRA_1PNPDK20110504_100753_000000553102_00123_47982_2505.N1	04-MAY-2011 10:07:53	Straylight	54.500	75	26Eps Sco	2.2910	4250.0	109	47982	No
113	GOM_TRA_1PNPDK20110504_101125_000000533102_00123_47982_2506.N1	04-MAY-2011 10:11:25	Twilight	53.000	16	21Alp Sco	1.0200	3000.0	106	47982	No
114	GOM_TRA_1PNPDK20110504_101330_000000613102_00123_47982_2507.N1	04-MAY-2011 10:13:30	Twilight	60.500	80	7Del Sco	2.3160	30000.	121	47982	No
115	GOM_TRA_1PNPDK20110504_101630_000000423102_00123_47982_2508.N1	04-MAY-2011 10:16:30	Bright	42.000	122	9Alp2Lib	2.7470	9700.0	84	47982	No
116	GOM_TRA_1PNPDK20110504_101837_000000463102_00123_47982_2538.N1	04-MAY-2011 10:18:37	Bright	45.500	104	27Bet Lib	2.6140	13100.	91	47982	No
117	GOM_TRA_1PNPDK20110504_102656_000000393102_00123_47982_2539.N1	04-MAY-2011 10:26:56	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	47982	No
118	GOM_TRA_1PNPDK20110504_103018_000000453102_00123_47982_2540.N1	04-MAY-2011 10:30:18	Bright	44.500	83		2.3780	11000.	89	47982	No
119	GOM_TRA_1PNPDK20110504_103321_000000403102_00123_47982_2541.N1	04-MAY-2011 10:33:21	Bright	39.500	180	27Gam Boo	3.0400	8000.0	79	47982	No
120	GOM_TRA_1PNPDK20110504_103548_000000403102_00123_47982_2542.N1	04-MAY-2011 10:35:48	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	47982	No
121	GOM_TRA_1PNPDK20110504_104314_000000383102_00123_47982_2543.N1	04-MAY-2011 10:43:14	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	47982	No

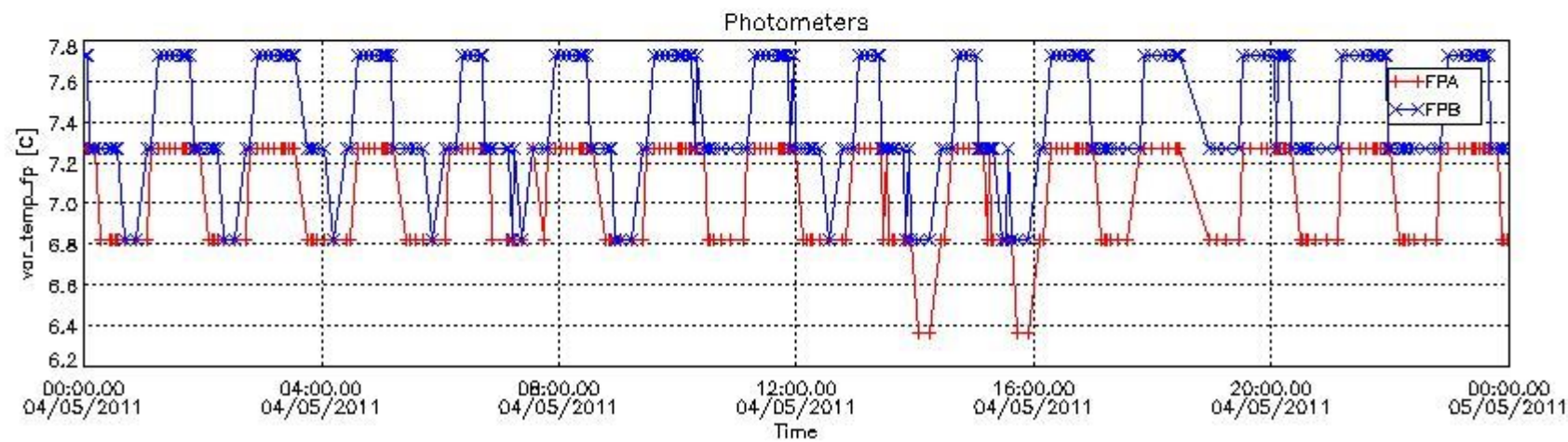
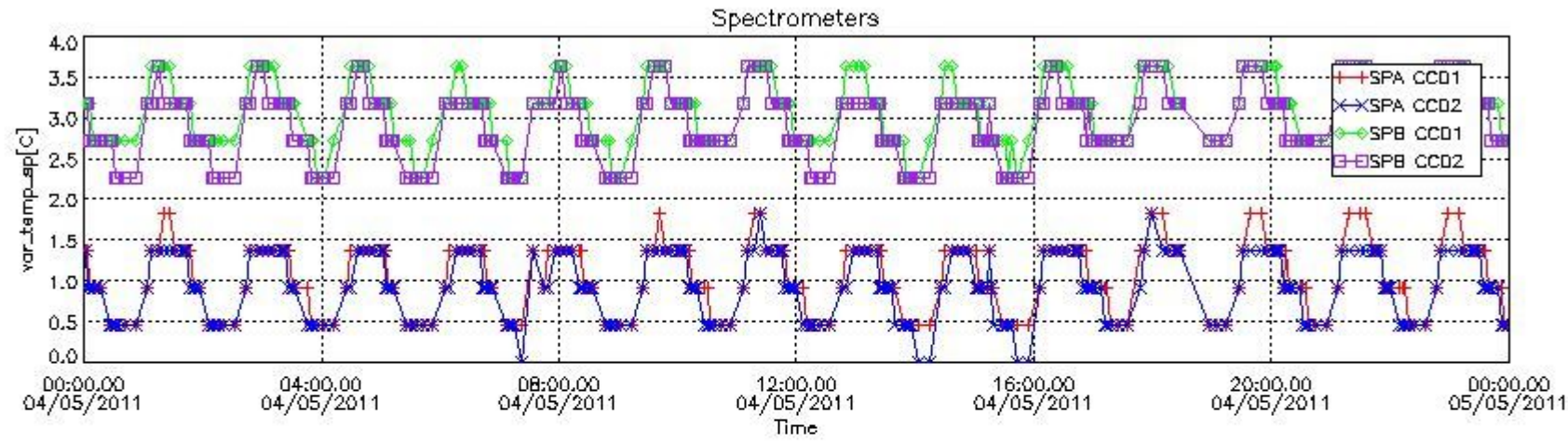
122	GOM_TRA_1PNPDK20110504_105314_000000433102_00123_47982_2544.N1	04-MAY-2011 10:53:14	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	47982	No
123	GOM_TRA_1PNPDK20110504_110528_000000543102_00123_47982_2545.N1	04-MAY-2011 11:05:28	Bright	53.500	93	53Bet Peg	2.5200	3100.0	107	47982	No
124	GOM_TRA_1PNPDK20110504_110934_000000483102_00123_47982_2546.N1	04-MAY-2011 11:09:34	Twilight	47.500	90	54Alp Peg	2.4870	11000.	95	47982	No
125	GOM_TRA_1PNPDK20110504_111646_000000563102_00123_47982_2547.N1	04-MAY-2011 11:16:46	Dark	55.500	162	34Alp Aqr	2.9440	5350.0	111	47982	No
126	GOM_TRA_1PNPDK20110504_112231_000000493102_00123_47982_2548.N1	04-MAY-2011 11:22:31	Dark	48.500	18	24Alp PsA	1.1660	9700.0	97	47982	No
127	GOM_TRA_1PNPDK20110504_112819_000000413102_00123_47982_2549.N1	04-MAY-2011 11:28:19	Dark	41.000	31	Alp Gru	1.7340	15200.	82	47982	No
128	GOM_TRA_1PNPDK20110504_113351_000000413102_00124_47983_2550.N1	04-MAY-2011 11:33:51	Dark	41.000	45	Alp Pav	1.9400	26000.	82	47983	No
129	GOM_TRA_1PNPDK20110504_114122_000000463102_00124_47983_2551.N1	04-MAY-2011 11:41:22	Straylight	46.000	141	Bet Ara	2.8400	4600.0	92	47983	No
130	GOM_TRA_1PNPDK20110504_114326_000000523102_00124_47983_2552.N1	04-MAY-2011 11:43:26	Straylight	52.000	40	The Sco	1.8590	7100.0	104	47983	No
131	GOM_TRA_1PNPDK20110504_114514_000000563102_00124_47983_2553.N1	04-MAY-2011 11:45:14	Straylight	56.000	25	35Lam Sco	1.6200	28000.	112	47983	No
132	GOM_TRA_1PNPDK20110504_114807_000000593102_00124_47983_2554.N1	04-MAY-2011 11:48:07	Straylight	58.500	75	26Eps Sco	2.2910	4250.0	117	47983	No
133	GOM_TRA_1PNPDK20110504_115140_000000533102_00124_47983_2555.N1	04-MAY-2011 11:51:40	Tw_i_and_stray	53.000	16	21Alp Sco	1.0200	3000.0	106	47983	No
134	GOM_TRA_1PNPDK20110504_115344_000000623102_00124_47983_2556.N1	04-MAY-2011 11:53:44	Tw_i_and_stray	61.500	80	7Del Sco	2.3160	30000.	123	47983	No
135	GOM_TRA_1PNPDK20110504_115644_000000433102_00124_47983_2557.N1	04-MAY-2011 11:56:44	Bright	42.500	122	9Alp2Lib	2.7470	9700.0	85	47983	No
136	GOM_TRA_1PNPDK20110504_115851_000000463102_00124_47983_2572.N1	04-MAY-2011 11:58:51	Bright	45.500	104	27Bet Lib	2.6140	13100.	91	47983	No
137	GOM_TRA_1PNPDK20110504_120710_000000373102_00124_47983_2573.N1	04-MAY-2011 12:07:10	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	47983	No
138	GOM_TRA_1PNPDK20110504_121031_000000433102_00124_47983_2574.N1	04-MAY-2011 12:10:31	Bright	43.000	83		2.3780	11000.	86	47983	No
139	GOM_TRA_1PNPDK20110504_121334_000000593102_00124_47983_2575.N1	04-MAY-2011 12:13:34	Bright	59.000	180	27Gam Boo	3.0400	8000.0	118	47983	No
140	GOM_TRA_1PNPDK20110504_121601_000000383102_00124_47983_2576.N1	04-MAY-2011 12:16:01	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	47983	No
141	GOM_TRA_1PNPDK20110504_122328_000000403102_00124_47983_2577.N1	04-MAY-2011 12:23:28	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47983	No
142	GOM_TRA_1PNPDK20110504_123327_000000443102_00124_47983_2578.N1	04-MAY-2011 12:33:27	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	47983	No
143	GOM_TRA_1PNPDK20110504_124542_000000523102_00124_47983_2579.N1	04-MAY-2011 12:45:42	Bright	52.000	93	53Bet Peg	2.5200	3100.0	104	47983	No
144	GOM_TRA_1PNPDK20110504_124948_000000473102_00124_47983_2580.N1	04-MAY-2011 12:49:48	Twilight	47.000	90	54Alp Peg	2.4870	11000.	94	47983	No
145	GOM_TRA_1PNPDK20110504_125701_000000573102_00124_47983_2581.N1	04-MAY-2011 12:57:01	Dark	57.000	162	34Alp Aqr	2.9440	5350.0	114	47983	No
146	GOM_TRA_1PNPDK20110504_130246_000000463102_00124_47983_2582.N1	04-MAY-2011 13:02:46	Dark	46.000	18	24Alp PsA	1.1660	9700.0	92	47983	No
147	GOM_TRA_1PNPDK20110504_130833_000000403102_00124_47983_2583.N1	04-MAY-2011 13:08:33	Dark	40.000	31	Alp Gru	1.7340	15200.	80	47983	No
148	GOM_TRA_1PNPDK20110504_131405_000000433102_00125_47984_2584.N1	04-MAY-2011 13:14:05	Dark	43.000	45	Alp Pav	1.9400	26000.	86	47984	No
149	GOM_TRA_1PNPDK20110504_132137_000000493102_00125_47984_2585.N1	04-MAY-2011 13:21:37	Straylight	49.000	141	Bet Ara	2.8400	4600.0	98	47984	No
150	GOM_TRA_1PNPDK20110504_132341_000000493102_00125_47984_2586.N1	04-MAY-2011 13:23:41	Straylight	48.500	40	The Sco	1.8590	7100.0	97	47984	No
151	GOM_TRA_1PNPDK20110504_132529_000000613102_00125_47984_2587.N1	04-MAY-2011 13:25:29	Straylight	60.500	25	35Lam Sco	1.6200	28000.	121	47984	No
152	GOM_TRA_1PNPDK20110504_132822_000000603102_00125_47984_2588.N1	04-MAY-2011 13:28:22	Straylight	59.500	75	26Eps Sco	2.2910	4250.0	119	47984	No
153	GOM_TRA_1PNPDK20110504_133154_000000573102_00125_47984_2589.N1	04-MAY-2011 13:31:54	Tw_i_and_stray	57.000	16	21Alp Sco	1.0200	3000.0	114	47984	No
154	GOM_TRA_1PNPDK20110504_133358_000000603102_00125_47984_2590.N1	04-MAY-2011 13:33:58	Tw_i_and_stray	60.000	80	7Del Sco	2.3160	30000.	120	47984	No
155	GOM_TRA_1PNPDK20110504_133658_000000433102_00125_47984_2620.N1	04-MAY-2011 13:36:58	Bright	43.000	122	9Alp2Lib	2.7470	9700.0	86	47984	No
156	GOM_TRA_1PNPDK20110504_133905_000000463102_00125_47984_2621.N1	04-MAY-2011 13:39:05	Bright	46.000	104	27Bet Lib	2.6140	13100.	92	47984	No
157	GOM_TRA_1PNPDK20110504_134724_000000373102_00125_47984_2622.N1	04-MAY-2011 13:47:24	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	47984	No
158	GOM_TRA_1PNPDK20110504_135045_000000433102_00125_47984_2623.N1	04-MAY-2011 13:50:45	Bright	42.500	83		2.3780	11000.	85	47984	No
159	GOM_TRA_1PNPDK20110504_135348_000000383102_00125_47984_2624.N1	04-MAY-2011 13:53:48	Bright	37.500	180	27Gam Boo	3.0400	8000.0	75	47984	No
160	GOM_TRA_1PNPDK20110504_135615_000000423102_00125_47984_2625.N1	04-MAY-2011 13:56:15	Bright	42.000	39	85Eta UMa	1.8540	24000.	84	47984	No
161	GOM_TRA_1PNPDK20110504_140342_000000373102_00125_47984_2626.N1	04-MAY-2011 14:03:42	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	47984	No
162	GOM_TRA_1PNPDK20110504_141341_000000433102_00125_47984_2627.N1	04-MAY-2011 14:13:41	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	47984	No
163	GOM_TRA_1PNPDK20110504_142557_000000573102_00125_47984_2628.N1	04-MAY-2011 14:25:57	Bright	56.500	93	53Bet Peg	2.5200	3100.0	113	47984	No
164	GOM_TRA_1PNPDK20110504_143002_000000493102_00125_47984_2629.N1	04-MAY-2011 14:30:02	Twilight	48.500	90	54Alp Peg	2.4870	11000.	97	47984	No
165	GOM_TRA_1PNPDK20110504_143716_000000593102_00125_47984_2630.N1	04-MAY-2011 14:37:16	Dark	58.500	162	34Alp Aqr	2.9440	5350.0	117	47984	No
166	GOM_TRA_1PNPDK20110504_144300_000000443102_00125_47984_2631.N1	04-MAY-2011 14:43:00	Dark	44.000	18	24Alp PsA	1.1660	9700.0	88	47984	No
167	GOM_TRA_1PNPDK20110504_144848_000000403102_00125_47984_2632.N1	04-MAY-2011 14:48:48	Dark	39.500	31	Alp Gru	1.7340	15200.	79	47984	No
168	GOM_TRA_1PNPDK20110504_145420_000000423102_00126_47985_2633.N1	04-MAY-2011 14:54:20	Dark	41.500	45	Alp Pav	1.9400	26000.	83	47985	No
169	GOM_TRA_1PNPDK20110504_150151_000000453102_00126_47985_2634.N1	04-MAY-2011 15:01:51	Straylight	45.000	141	Bet Ara	2.8400	4600.0	90	47985	No
170	GOM_TRA_1PNPDK20110504_150356_000000573102_00126_47985_2635.N1	04-MAY-2011 15:03:56	Straylight	56.500	40	The Sco	1.8590	7100.0	113	47985	No
171	GOM_TRA_1PNPDK20110504_150544_000000563102_00126_47985_2636.N1	04-MAY-2011 15:05:44	Straylight	55.500	25	35Lam Sco	1.6200	28000.	111	47985	No
172	GOM_TRA_1PNPDK20110504_150837_000000613102_00126_47985_2637.N1	04-MAY-2011 15:08:37	Straylight	60.500	75	26Eps Sco	2.2910	4250.0	121	47985	No
173	GOM_TRA_1PNPDK20110504_151208_000000573102_00126_47985_2638.N1	04-MAY-2011 15:12:08	Tw_i_and_stray	57.000	16	21Alp Sco	1.0200	3000.0	114	47985	No
174	GOM_TRA_1PNPDK20110504_151412_000000573102_00126_47985_2669.N1	04-MAY-2011 15:14:12	Tw_i_and_stray	57.000	80	7Del Sco	2.3160	30000.	114	47985	Yes
175	GOM_TRA_1PNPDK20110504_151712_000000433102_00126_47985_2670.N1	04-MAY-2011 15:17:12	Bright	43.000	122	9Alp2Lib	2.7470	9700.0	86	47985	No
176	GOM_TRA_1PNPDK20110504_151919_000000463102_00126_47985_2671.N1	04-MAY-2011 15:19:19	Bright	45.500	104	27Bet Lib	2.6140	13100.	91	47985	No
177	GOM_TRA_1PNPDK20110504_152738_000000383102_00126_47985_2672.N1	04-MAY-2011 15:27:38	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	47985	No
178	GOM_TRA_1PNPDK20110504_153059_000000433102_00126_47985_2673.N1	04-MAY-2011 15:30:59	Bright	43.000	83		2.3780	11000.	86	47985	No
179	GOM_TRA_1PNPDK20110504_153402_000000513102_00126_47985_2674.N1	04-MAY-2011 15:34:02	Bright	50.500	180	27Gam Boo	3.0400	8000.0	101	47985	No
180	GOM_TRA_1PNPDK20110504_153629_000000393102_00126_47985_2675.N1	04-MAY-2011 15:36:29	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	47985	No

181	GOM_TRA_1PNPDK20110504_154356_000000413102_00126_47985_2676.N1	04-MAY-2011 15:43:56	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47985	No
182	GOM_TRA_1PNPDK20110504_155355_000000633102_00126_47985_2677.N1	04-MAY-2011 15:53:55	Bright	63.000	89	5Alp Cep	2.4510	8000.0	126	47985	No
183	GOM_TRA_1PNPDK20110504_160611_000000503102_00126_47985_2678.N1	04-MAY-2011 16:06:11	Bright	50.000	93	53Bet Peg	2.5200	3100.0	100	47985	No
184	GOM_TRA_1PNPDK20110504_161017_000000473102_00126_47985_2679.N1	04-MAY-2011 16:10:17	Twilight	47.000	90	54Alp Peg	2.4870	11000.	94	47985	No
185	GOM_TRA_1PNPDK20110504_161731_000000563102_00126_47985_2680.N1	04-MAY-2011 16:17:31	Dark	56.000	162	34Alp Aqr	2.9440	5350.0	112	47985	No
186	GOM_TRA_1PNPDK20110504_162315_000000453102_00126_47985_2681.N1	04-MAY-2011 16:23:15	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	47985	No
187	GOM_TRA_1PNPDK20110504_162903_000000463102_00126_47985_2682.N1	04-MAY-2011 16:29:03	Dark	46.000	31	Alp Gru	1.7340	15200.	92	47985	No
188	GOM_TRA_1PNPDK20110504_163435_000000423102_00127_47986_2683.N1	04-MAY-2011 16:34:35	Dark	41.500	45	Alp Pav	1.9400	26000.	83	47986	No
189	GOM_TRA_1PNPDK20110504_164206_000000433102_00127_47986_2684.N1	04-MAY-2011 16:42:06	Straylight	42.500	141	Bet Ara	2.8400	4600.0	85	47986	No
190	GOM_TRA_1PNPDK20110504_164411_000000603102_00127_47986_2685.N1	04-MAY-2011 16:44:11	Straylight	60.000	40	The Sco	1.8590	7100.0	120	47986	No
191	GOM_TRA_1PNPDK20110504_164558_000000613102_00127_47986_2686.N1	04-MAY-2011 16:45:58	Straylight	61.000	25	35Lam Sco	1.6200	28000.	122	47986	No
192	GOM_TRA_1PNPDK20110504_164851_000000603102_00127_47986_2687.N1	04-MAY-2011 16:48:51	Straylight	59.500	75	26Eps Sco	2.2910	4250.0	119	47986	No
193	GOM_TRA_1PNPDK20110504_165223_000000623102_00127_47986_2722.N1	04-MAY-2011 16:52:23	Twilight	62.000	16	21Alp Sco	1.0200	3000.0	124	47986	No
194	GOM_TRA_1PNPDK20110504_165426_000000583102_00127_47986_2723.N1	04-MAY-2011 16:54:26	Twilight	57.500	80	7Del Sco	2.3160	30000.	115	47986	No
195	GOM_TRA_1PNPDK20110504_165726_000000423102_00127_47986_2724.N1	04-MAY-2011 16:57:26	Bright	41.500	122	9Alp2Lib	2.7470	9700.0	83	47986	No
196	GOM_TRA_1PNPDK20110504_165933_000000473102_00127_47986_2725.N1	04-MAY-2011 16:59:33	Bright	47.000	104	27Bet Lib	2.6140	13100.	94	47986	No
197	GOM_TRA_1PNPDK20110504_170752_000000373102_00127_47986_2726.N1	04-MAY-2011 17:07:52	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	47986	No
198	GOM_TRA_1PNPDK20110504_171112_000000453102_00127_47986_2727.N1	04-MAY-2011 17:11:12	Bright	45.000	83		2.3780	11000.	90	47986	No
199	GOM_TRA_1PNPDK20110504_171415_000000413102_00127_47986_2728.N1	04-MAY-2011 17:14:15	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	47986	No
200	GOM_TRA_1PNPDK20110504_171643_000000393102_00127_47986_2729.N1	04-MAY-2011 17:16:43	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	47986	No
201	GOM_TRA_1PNPDK20110504_172409_000000373102_00127_47986_2730.N1	04-MAY-2011 17:24:09	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	47986	No
202	GOM_TRA_1PNPDK20110504_173408_000000413102_00127_47986_2731.N1	04-MAY-2011 17:34:08	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	47986	No
203	GOM_TRA_1PNPDK20110504_174625_000000593102_00127_47986_2732.N1	04-MAY-2011 17:46:25	Bright	58.500	93	53Bet Peg	2.5200	3100.0	117	47986	No
204	GOM_TRA_1PNPDK20110504_175031_000000453102_00127_47986_2733.N1	04-MAY-2011 17:50:31	Twilight	45.000	90	54Alp Peg	2.4870	11000.	90	47986	No
205	GOM_TRA_1PNPDK20110504_175746_000000613102_00127_47986_2734.N1	04-MAY-2011 17:57:46	Dark	61.000	162	34Alp Aqr	2.9440	5350.0	122	47986	No
206	GOM_TRA_1PNPDK20110504_180917_000000423102_00127_47986_2735.N1	04-MAY-2011 18:09:17	Dark	42.000	31	Alp Gru	1.7340	15200.	84	47986	No
207	GOM_TRA_1PNPDK20110504_181450_000000413102_00128_47987_2736.N1	04-MAY-2011 18:14:50	Dark	41.000	45	Alp Pav	1.9400	26000.	82	47987	No
208	GOM_TRA_1PNPDK20110504_182220_000000523102_00128_47987_2737.N1	04-MAY-2011 18:22:20	Straylight	51.500	141	Bet Ara	2.8400	4600.0	103	47987	No
209	GOM_TRA_1PNPDK20110504_182426_000000583102_00128_47987_2738.N1	04-MAY-2011 18:24:26	Straylight	57.500	40	The Sco	1.8590	7100.0	115	47987	No
210	GOM_TRA_1PNPDK20110504_182614_000000583102_00128_47987_2739.N1	04-MAY-2011 18:26:14	Straylight	57.500	25	35Lam Sco	1.6200	28000.	115	47987	No
211	GOM_TRA_1PNPDK20110504_185657_000000393102_00128_47987_2766.N1	04-MAY-2011 18:56:57	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	47987	No
212	GOM_TRA_1PNPDK20110504_190423_000000383102_00128_47987_2767.N1	04-MAY-2011 19:04:23	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	47987	No
213	GOM_TRA_1PNPDK20110504_191422_000000413102_00128_47987_2768.N1	04-MAY-2011 19:14:22	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	47987	No
214	GOM_TRA_1PNPDK20110504_192639_000000573102_00128_47987_2769.N1	04-MAY-2011 19:26:39	Bright	56.500	93	53Bet Peg	2.5200	3100.0	113	47987	No
215	GOM_TRA_1PNPDK20110504_193046_000000453102_00128_47987_2770.N1	04-MAY-2011 19:30:46	Twilight	45.000	90	54Alp Peg	2.4870	11000.	90	47987	No
216	GOM_TRA_1PNPDK20110504_193800_000000563102_00128_47987_2771.N1	04-MAY-2011 19:38:00	Dark	56.000	162	34Alp Aqr	2.9440	5350.0	112	47987	No
217	GOM_TRA_1PNPDK20110504_194932_000000413102_00128_47987_2772.N1	04-MAY-2011 19:49:32	Dark	41.000	31	Alp Gru	1.7340	15200.	82	47987	No
218	GOM_TRA_1PNPDK20110504_195504_000000413102_00129_47988_2773.N1	04-MAY-2011 19:55:04	Dark	41.000	45	Alp Pav	1.9400	26000.	82	47988	No
219	GOM_TRA_1PNPDK20110504_200235_000000443102_00129_47988_2774.N1	04-MAY-2011 20:02:35	Straylight	44.000	141	Bet Ara	2.8400	4600.0	88	47988	No
220	GOM_TRA_1PNPDE20110504_200440_000000563102_00129_47988_0521.N1	04-MAY-2011 20:04:40	Straylight	56.000	40	The Sco	1.8590	7100.0	112	47988	Yes
221	GOM_TRA_1PNPDE20110504_200628_000000593102_00129_47988_0522.N1	04-MAY-2011 20:06:28	Straylight	58.500	25	35Lam Sco	1.6200	28000.	117	47988	No
222	GOM_TRA_1PNPDE20110504_200921_000000593102_00129_47988_0523.N1	04-MAY-2011 20:09:21	Straylight	58.500	75	26Eps Sco	2.2910	4250.0	117	47988	No
223	GOM_TRA_1PNPDE20110504_201252_000000663102_00129_47988_0524.N1	04-MAY-2011 20:12:52	Twilight	66.000	16	21Alp Sco	1.0200	3000.0	132	47988	No
224	GOM_TRA_1PNPDE20110504_201455_000000553102_00129_47988_0525.N1	04-MAY-2011 20:14:55	Twilight	54.500	80	7Del Sco	2.3160	30000.	109	47988	No
225	GOM_TRA_1PNPDE20110504_201754_000000433102_00129_47988_0526.N1	04-MAY-2011 20:17:54	Bright	42.500	122	9Alp2Lib	2.7470	9700.0	85	47988	No
226	GOM_TRA_1PNPDE20110504_202001_000000463102_00129_47988_0527.N1	04-MAY-2011 20:20:01	Bright	45.500	104	27Bet Lib	2.6140	13100.	91	47988	No
227	GOM_TRA_1PNPDE20110504_202819_000000373102_00129_47988_0528.N1	04-MAY-2011 20:28:19	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	47988	No
228	GOM_TRA_1PNPDE20110504_203139_000000423102_00129_47988_0529.N1	04-MAY-2011 20:31:39	Bright	41.500	83		2.3780	11000.	83	47988	No
229	GOM_TRA_1PNPDE20110504_203443_000000393102_00129_47988_0530.N1	04-MAY-2011 20:34:43	Bright	39.000	180	27Gam Boo	3.0400	8000.0	78	47988	No
230	GOM_TRA_1PNPDE20110504_203710_000000403102_00129_47988_0531.N1	04-MAY-2011 20:37:10	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	47988	No
231	GOM_TRA_1PNPDE20110504_204437_000000393102_00129_47988_0532.N1	04-MAY-2011 20:44:37	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	47988	No
232	GOM_TRA_1PNPDE20110504_205435_000000413102_00129_47988_0533.N1	04-MAY-2011 20:54:35	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	47988	No
233	GOM_TRA_1PNPDE20110504_210653_000000533102_00129_47988_0534.N1	04-MAY-2011 21:06:53	Bright	52.500	93	53Bet Peg	2.5200	3100.0	105	47988	No
234	GOM_TRA_1PNPDE20110504_211100_000000463102_00129_47988_0535.N1	04-MAY-2011 21:11:00	Twilight	46.000	90	54Alp Peg	2.4870	11000.	92	47988	No
235	GOM_TRA_1PNPDE20110504_211815_000000623102_00129_47988_0537.N1	04-MAY-2011 21:18:15	Dark	62.000	162	34Alp Aqr	2.9440	5350.0	124	47988	No
236	GOM_TRA_1PNPDE20110504_212946_000000403102_00129_47988_0538.N1	04-MAY-2011 21:29:46	Dark	40.000	31	Alp Gru	1.7340	15200.	80	47988	No
237	GOM_TRA_1PNPDE20110504_213519_000000423102_00130_47989_0539.N1	04-MAY-2011 21:35:19	Dark	41.500	45	Alp Pav	1.9400	26000.	83	47989	No
238	GOM_TRA_1PNPDE20110504_214249_000000503102_00130_47989_0540.N1	04-MAY-2011 21:42:49	Straylight	50.000	141	Bet Ara	2.8400	4600.0	100	47989	No
239	GOM_TRA_1PNPDE20110504_214455_000000573102_00130_47989_0541.N1	04-MAY-2011 21:44:55	Straylight	57.000	40	The Sco	1.8590	7100.0	114	47989	No



240	GOM_TRA_1PNPDE20110504_214643_000000563102_00130_47989_0542.N1	04-MAY-2011 21:46:43	Straylight	56.000	25	35Lam Sco	1.6200	28000.	112	47989	No
241	GOM_TRA_1PNPDE20110504_214935_000000613102_00130_47989_0543.N1	04-MAY-2011 21:49:35	Straylight	61.000	75	26Eps Sco	2.2910	4250.0	122	47989	No
242	GOM_TRA_1PNPDE20110504_215306_000000663102_00130_47989_0544.N1	04-MAY-2011 21:53:06	Twilight	66.000	16	21Alp Sco	1.0200	3000.0	132	47989	No
243	GOM_TRA_1PNPDE20110504_215509_000000593102_00130_47989_0545.N1	04-MAY-2011 21:55:09	Twilight	58.500	80	7Del Sco	2.3160	30000.	117	47989	No
244	GOM_TRA_1PNPDE20110504_215808_000000413102_00130_47989_0546.N1	04-MAY-2011 21:58:08	Bright	40.500	122	9Alp2Lib	2.7470	9700.0	81	47989	No
245	GOM_TRA_1PNPDE20110504_220015_000000453102_00130_47989_0547.N1	04-MAY-2011 22:00:15	Bright	44.500	104	27Bet Lib	2.6140	13100.	89	47989	No
246	GOM_TRA_1PNPDE20110504_220833_000000383102_00130_47989_0548.N1	04-MAY-2011 22:08:33	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	47989	No
247	GOM_TRA_1PNPDE20110504_221153_000000453102_00130_47989_0549.N1	04-MAY-2011 22:11:53	Bright	44.500	83		2.3780	11000.	89	47989	No
248	GOM_TRA_1PNPDE20110504_221456_000000403102_00130_47989_0550.N1	04-MAY-2011 22:14:56	Bright	40.000	180	27Gam Boo	3.0400	8000.0	80	47989	No
249	GOM_TRA_1PNPDE20110504_221724_000000373102_00130_47989_0551.N1	04-MAY-2011 22:17:24	Bright	36.500	39	85Eta UMa	1.8540	24000.	73	47989	No
250	GOM_TRA_1PNPDE20110504_222451_000000373102_00130_47989_0552.N1	04-MAY-2011 22:24:51	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	47989	No
251	GOM_TRA_1PNPDE20110504_223449_000000443102_00130_47989_0553.N1	04-MAY-2011 22:34:49	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	47989	No
252	GOM_TRA_1PNPDE20110504_224708_000000553102_00130_47989_0554.N1	04-MAY-2011 22:47:08	Twilight	55.000	93	53Bet Peg	2.5200	3100.0	110	47989	No
253	GOM_TRA_1PNPDE20110504_225114_000000483102_00130_47989_0555.N1	04-MAY-2011 22:51:14	Twilight	48.000	90	54Alp Peg	2.4870	11000.	96	47989	No
254	GOM_TRA_1PNPDE20110504_225830_000000563102_00130_47989_0556.N1	04-MAY-2011 22:58:30	Dark	55.500	162	34Alp Aqr	2.9440	5350.0	111	47989	No
255	GOM_TRA_1PNPDE20110504_231001_000000473102_00130_47989_0558.N1	04-MAY-2011 23:10:01	Dark	46.500	31	Alp Gru	1.7340	15200.	93	47989	No
256	GOM_TRA_1PNPDE20110504_231533_000000423102_00131_47990_0559.N1	04-MAY-2011 23:15:33	Dark	42.000	45	Alp Pav	1.9400	26000.	84	47990	No
257	GOM_TRA_1PNPDE20110504_232304_000000433102_00131_47990_0560.N1	04-MAY-2011 23:23:04	Straylight	43.000	141	Bet Ara	2.8400	4600.0	86	47990	No
258	GOM_TRA_1PNPDE20110504_232510_000000553102_00131_47990_0561.N1	04-MAY-2011 23:25:10	Straylight	55.000	40	The Sco	1.8590	7100.0	110	47990	No
259	GOM_TRA_1PNPDE20110504_232658_000000593102_00131_47990_0562.N1	04-MAY-2011 23:26:58	Straylight	59.000	25	35Lam Sco	1.6200	28000.	118	47990	No
260	GOM_TRA_1PNPDE20110504_232949_000000573102_00131_47990_0563.N1	04-MAY-2011 23:29:49	Straylight	56.500	75	26Eps Sco	2.2910	4250.0	113	47990	No
261	GOM_TRA_1PNPDE20110504_233321_000000703102_00131_47990_0564.N1	04-MAY-2011 23:33:21	Twilight	70.000	16	21Alp Sco	1.0200	3000.0	140	47990	No
262	GOM_TRA_1PNPDE20110504_233523_000000613102_00131_47990_0565.N1	04-MAY-2011 23:35:23	Twilight	60.500	80	7Del Sco	2.3160	30000.	121	47990	No
263	GOM_TRA_1PNPDE20110504_233822_000000433102_00131_47990_0566.N1	04-MAY-2011 23:38:22	Bright	42.500	122	9Alp2Lib	2.7470	9700.0	85	47990	No
264	GOM_TRA_1PNPDE20110504_234029_000000463102_00131_47990_0567.N1	04-MAY-2011 23:40:29	Bright	45.500	104	27Bet Lib	2.6140	13100.	91	47990	No
265	GOM_TRA_1PNPDE20110504_234847_000000373102_00131_47990_0568.N1	04-MAY-2011 23:48:47	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	47990	No
266	GOM_TRA_1PNPDE20110504_235206_000000423102_00131_47990_0569.N1	04-MAY-2011 23:52:06	Bright	42.000	83		2.3780	11000.	84	47990	No
267	GOM_TRA_1PNPDE20110504_235510_000000413102_00131_47990_0570.N1	04-MAY-2011 23:55:10	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	47990	No
268	GOM_TRA_1PNPDE20110504_235738_000000383102_00131_47990_0571.N1	04-MAY-2011 23:57:38	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	47990	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).

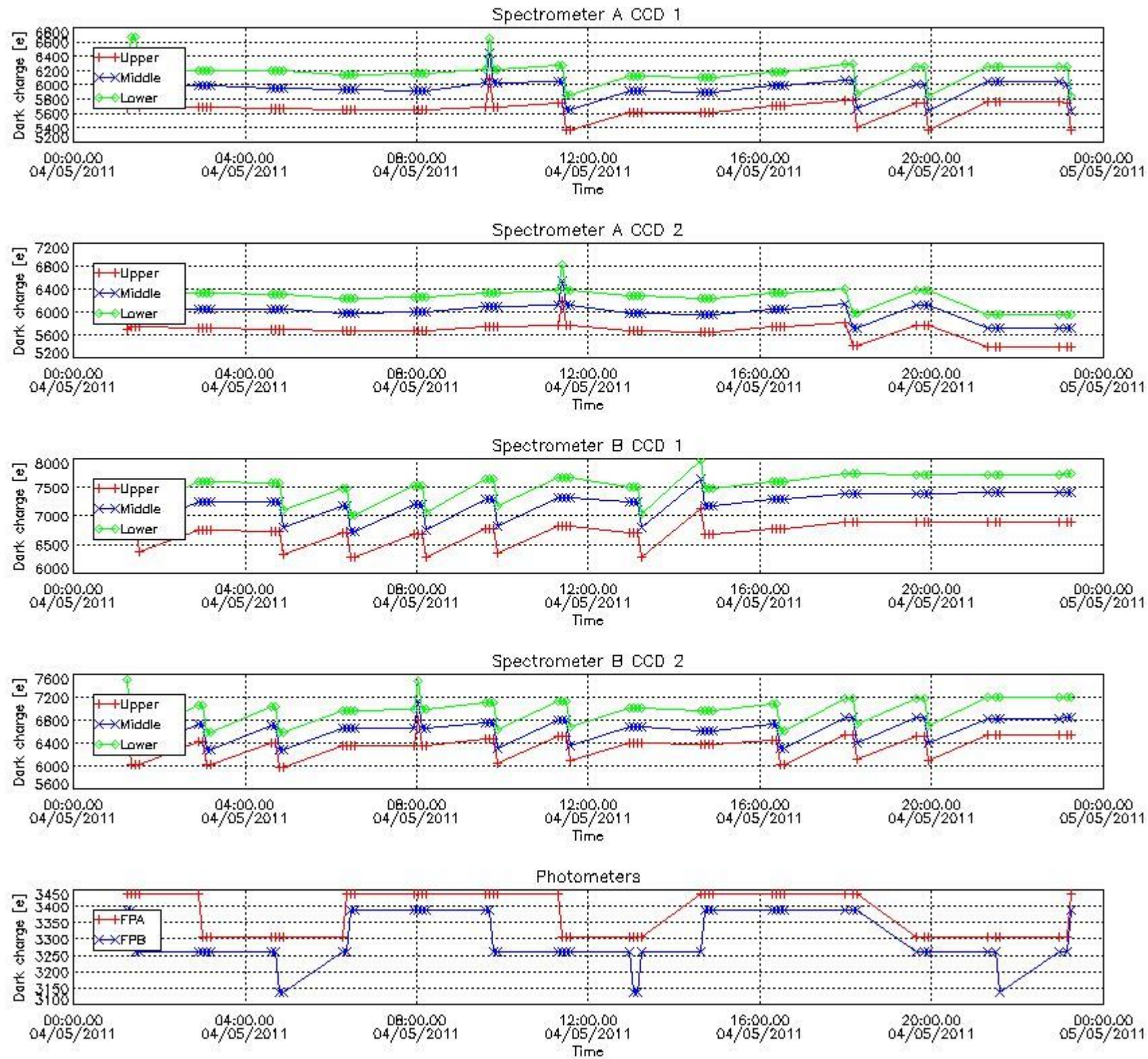
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110504_200440_000000563102_00129_47988_0521.N1	DC map with no T dep.
GOM_TRA_1PNPDE20110504_200628_000000593102_00129_47988_0522.N1	DC map used
GOM_TRA_1PNPDE20110504_200921_000000593102_00129_47988_0523.N1	DC map used
GOM_TRA_1PNPDE20110504_201252_000000663102_00129_47988_0524.N1	DC map used
GOM_TRA_1PNPDE20110504_201455_000000553102_00129_47988_0525.N1	DC map used
GOM_TRA_1PNPDE20110504_201754_000000433102_00129_47988_0526.N1	DC map used
GOM_TRA_1PNPDE20110504_202001_000000463102_00129_47988_0527.N1	DC map used
GOM_TRA_1PNPDE20110504_202819_000000373102_00129_47988_0528.N1	DC map used
GOM_TRA_1PNPDE20110504_203139_000000423102_00129_47988_0529.N1	DC map used
GOM_TRA_1PNPDE20110504_203443_000000393102_00129_47988_0530.N1	DC map used
GOM_TRA_1PNPDE20110504_203710_000000403102_00129_47988_0531.N1	DC map used
GOM_TRA_1PNPDE20110504_204437_000000393102_00129_47988_0532.N1	DC map used
GOM_TRA_1PNPDE20110504_205435_000000413102_00129_47988_0533.N1	DC map used
GOM_TRA_1PNPDE20110504_210653_000000533102_00129_47988_0534.N1	DC map used



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



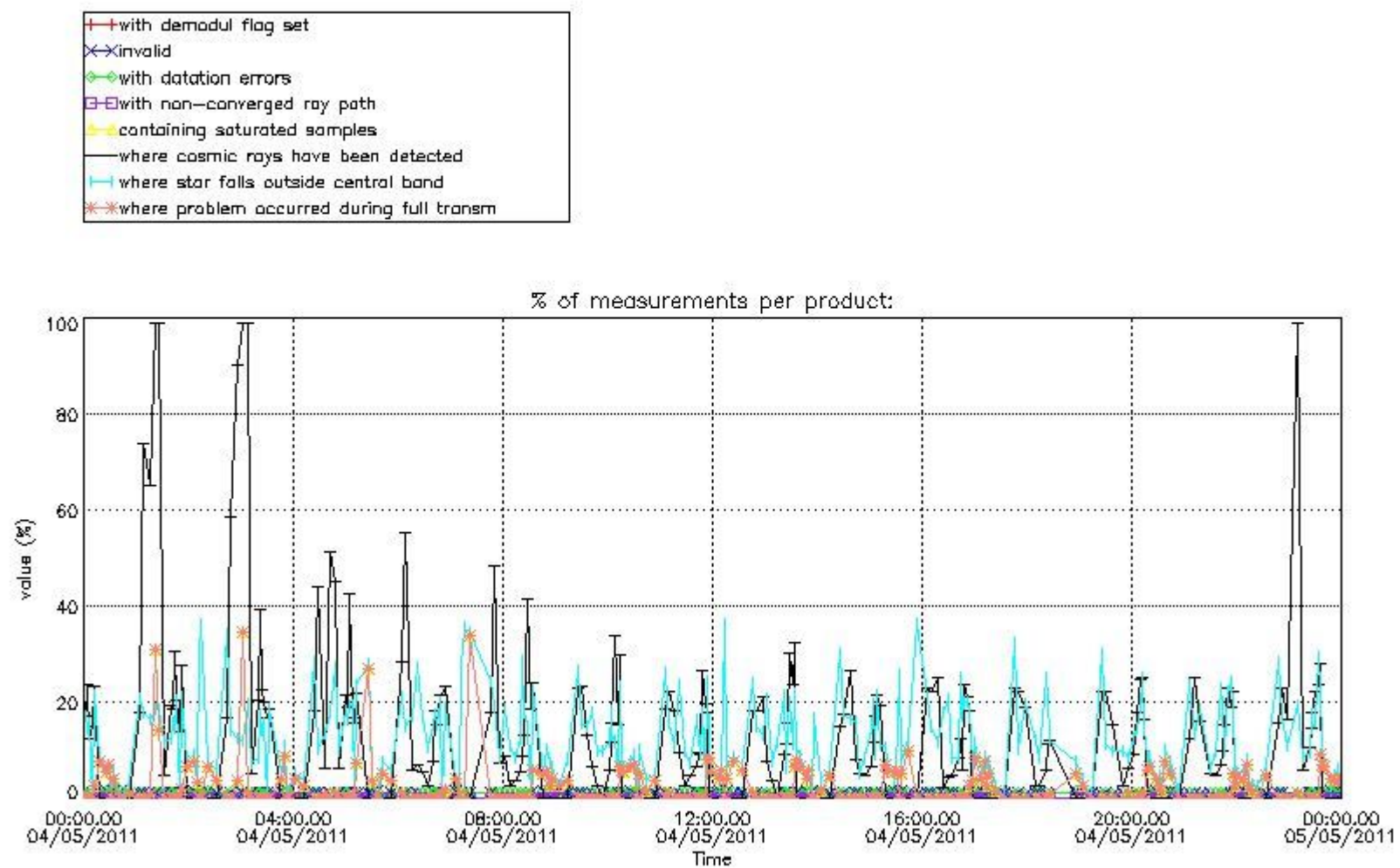
#### 5. Demodulation flag and quality information monitoring

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:

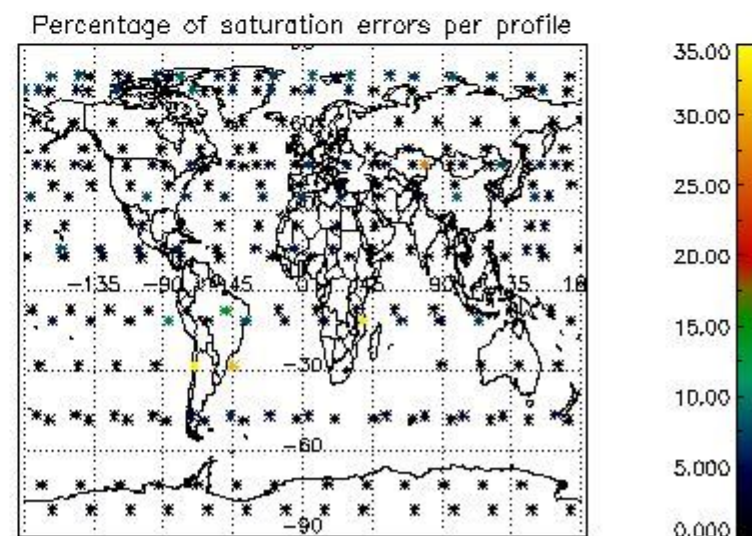
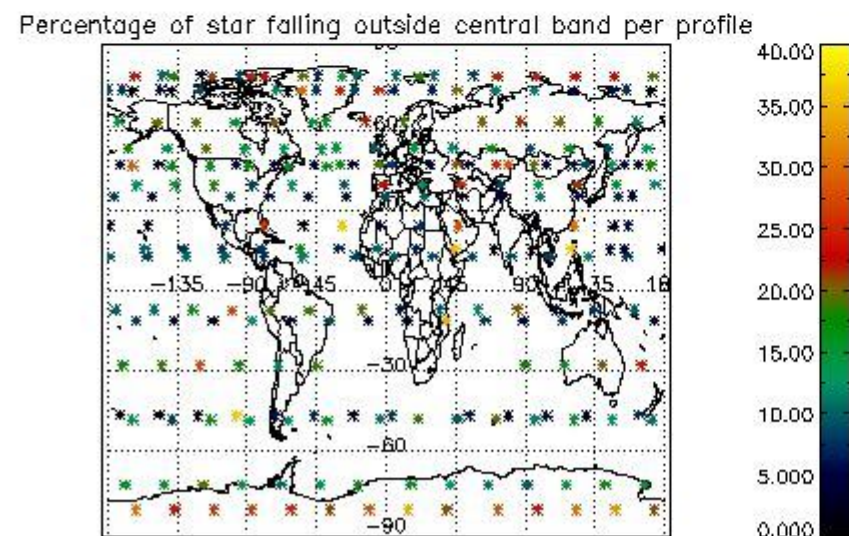
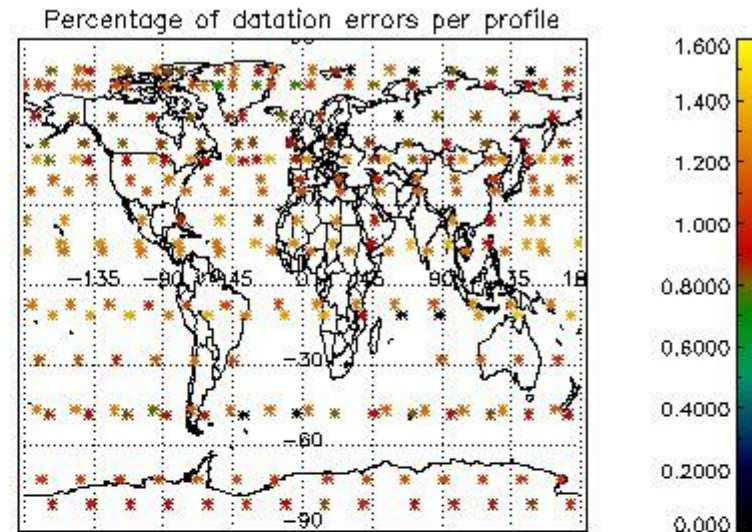
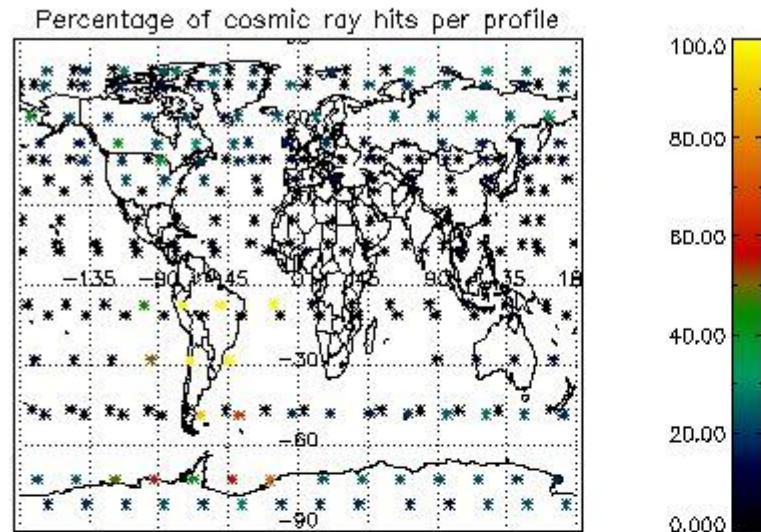
At least one measurement with demodulation flag set:	56.2264 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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)

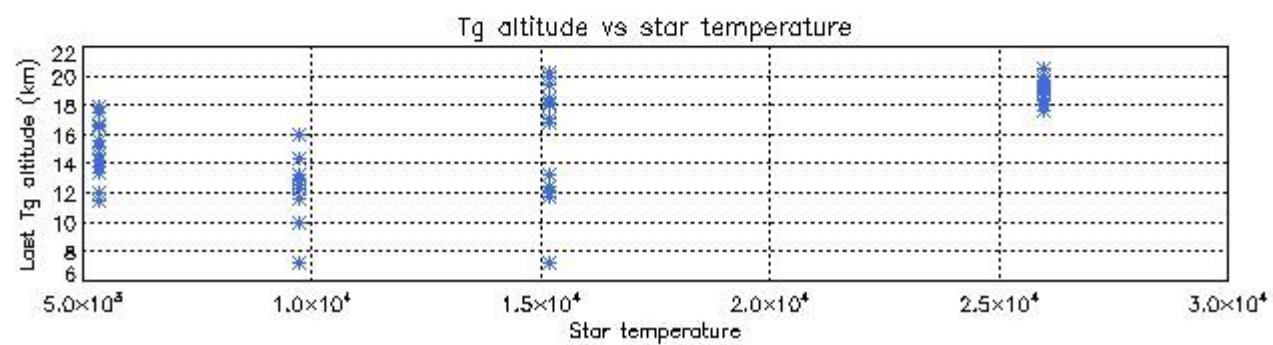
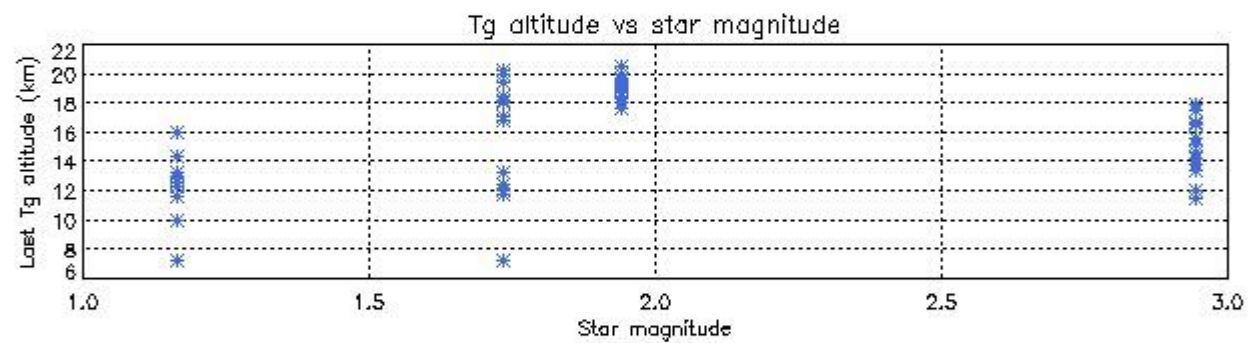
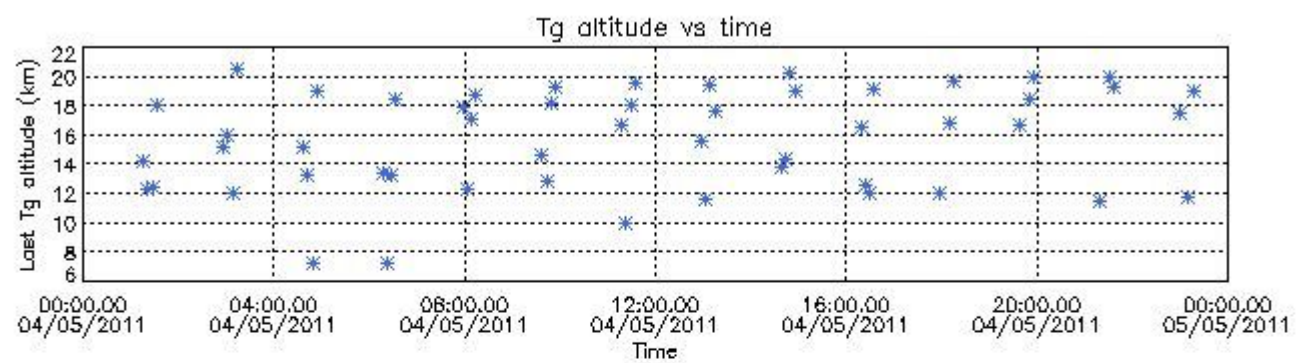
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.712	18.460	13.772
St. deviation:	3.4272	6.0470	1.4680
Maximum:	20.466	28.688	16.128
Minimum:	7.2050	3.0096	11.624
Number of data:	52.000	114.00	14.000

### 6.2 Plot for DARK limb products

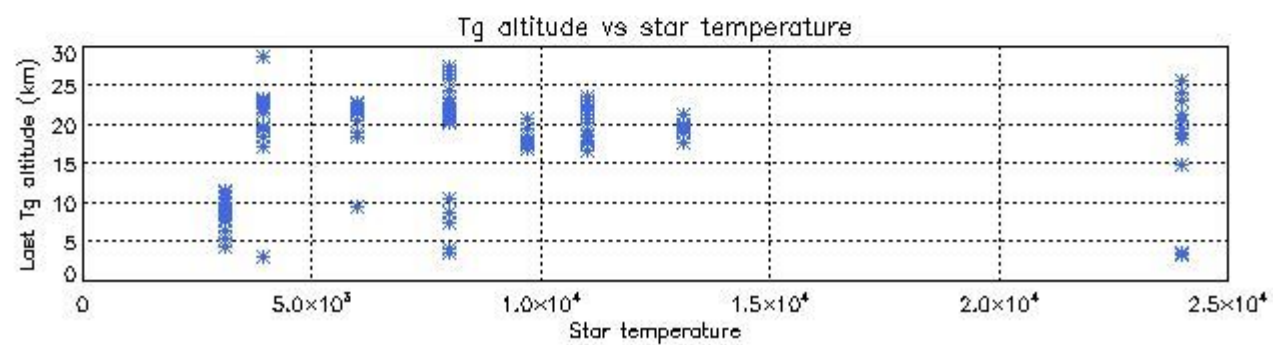
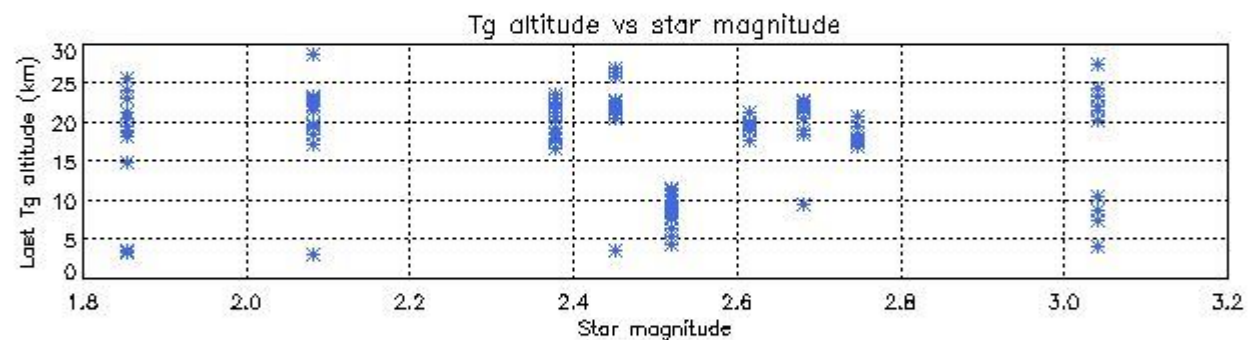
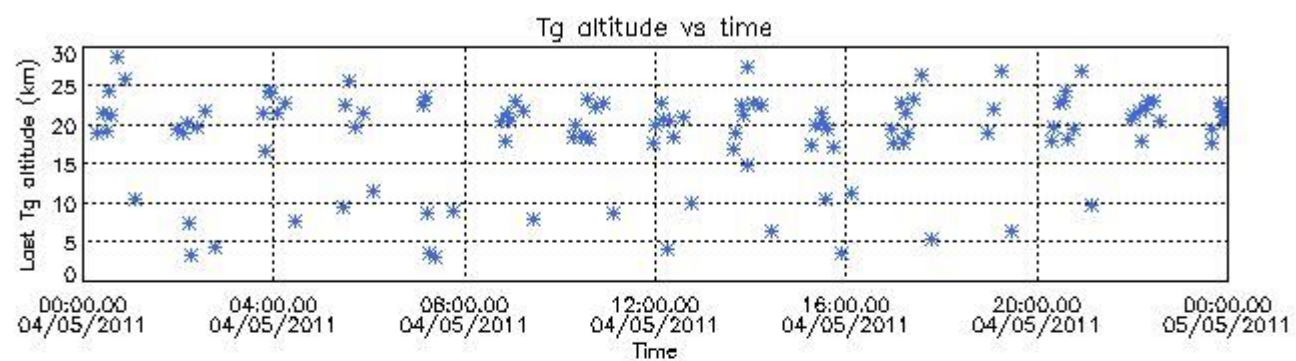


Tangent altitude at which the star is lost



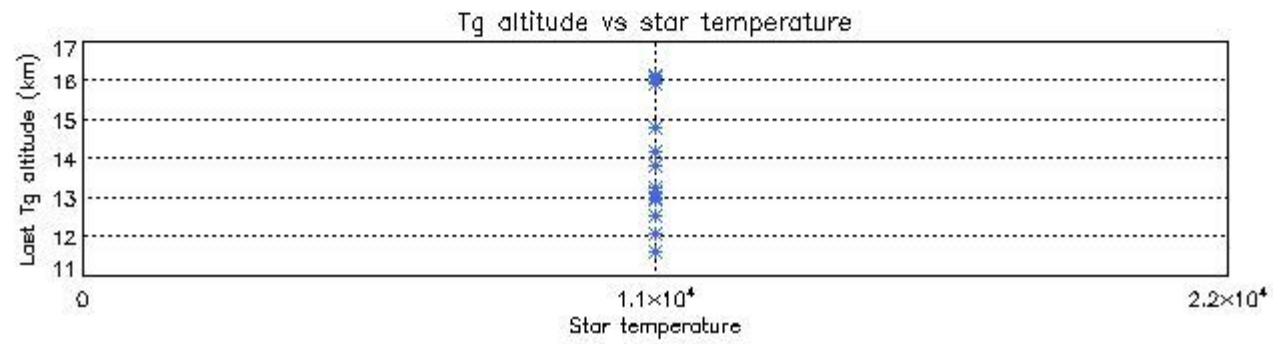
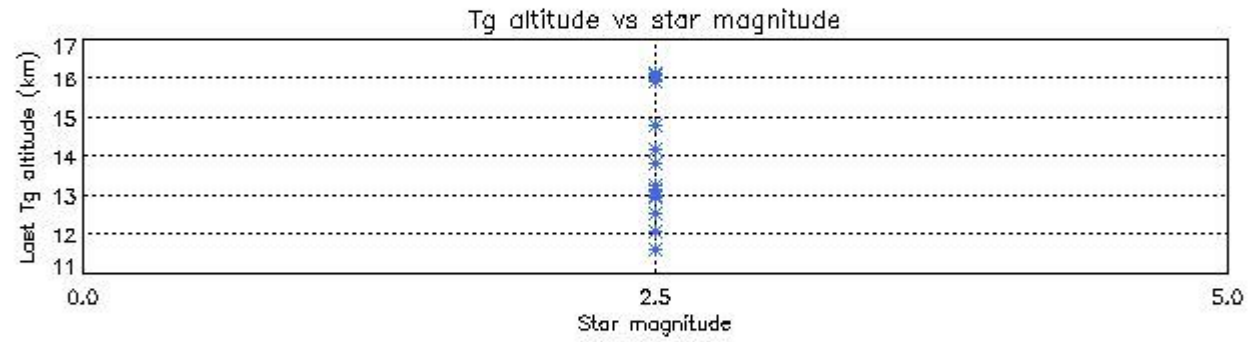
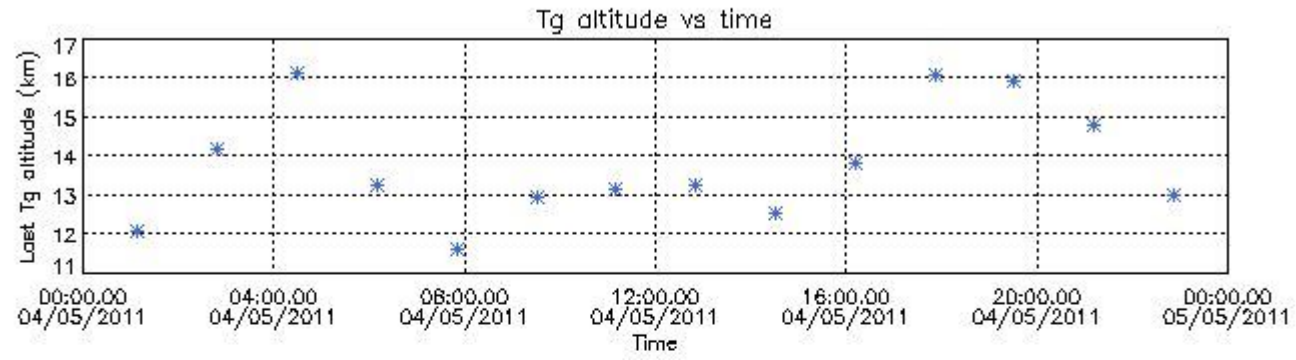
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost



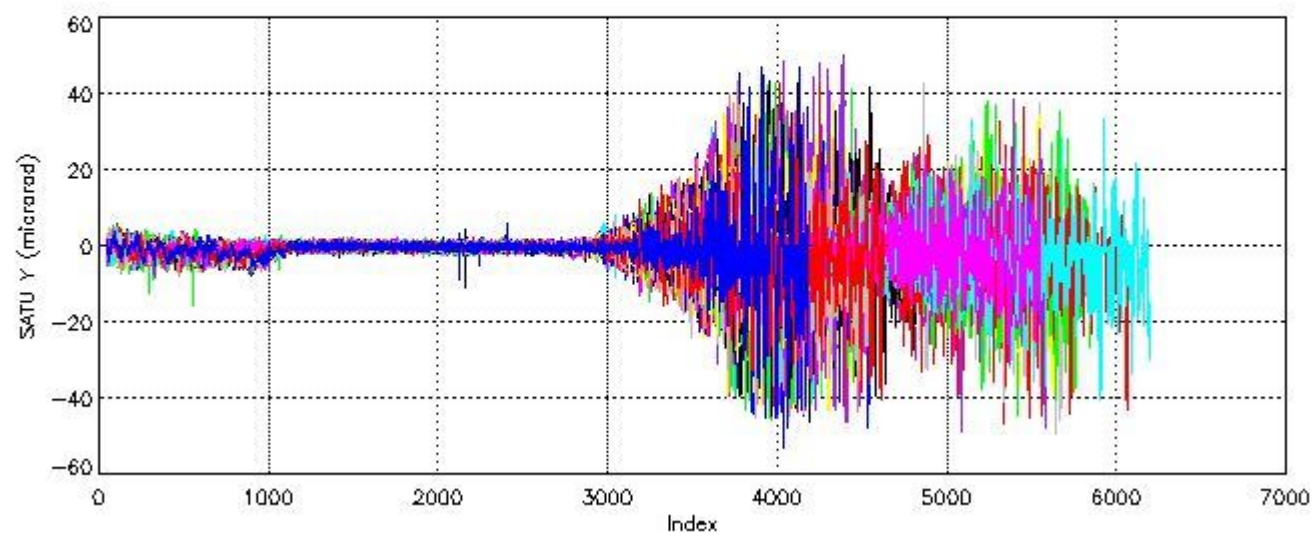
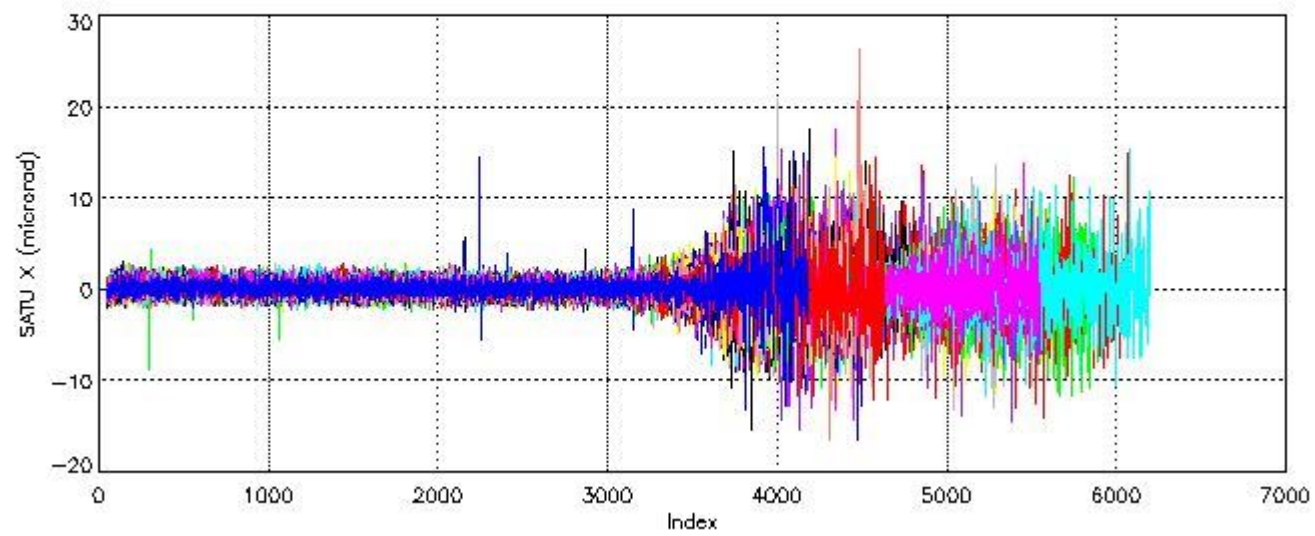
## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.17092	-1.4125	0.25405	-1.4838
St. deviation:	0.55342	1.6274	0.79580	1.7421
Maximum:	4.4000	5.6000	6.3000	7.9000
Minimum:	-8.9000	-15.600	-4.9000	-11.500

Number of data:	54350.	54350.	1.1065E+05	1.1065E+05
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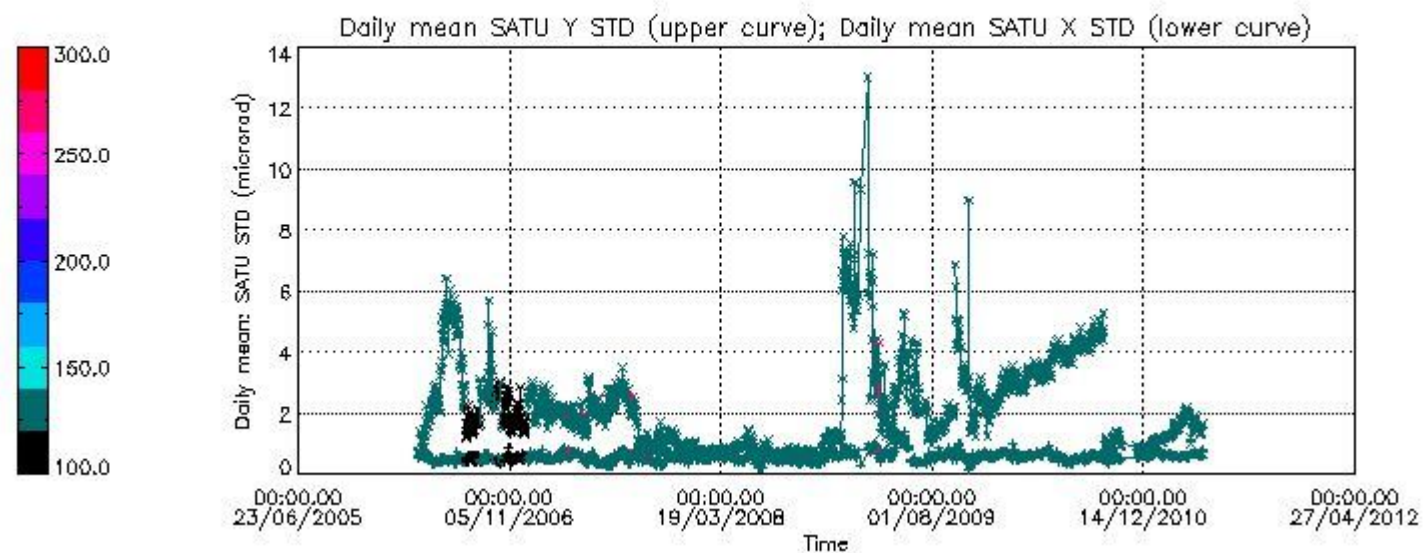
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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



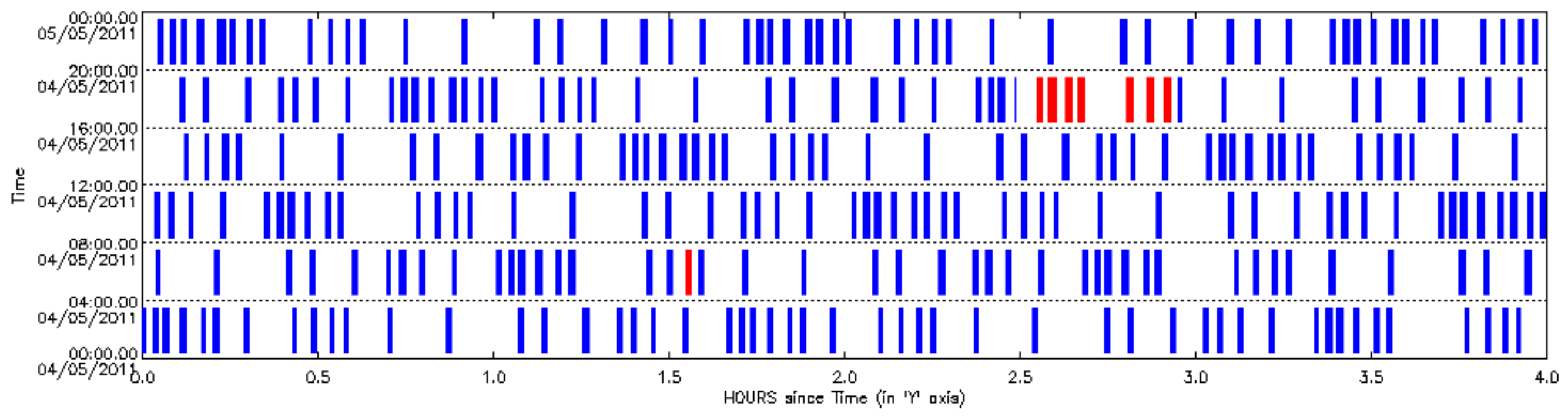
### 8. Auxiliary Data Files used for the production reported in section 2.4

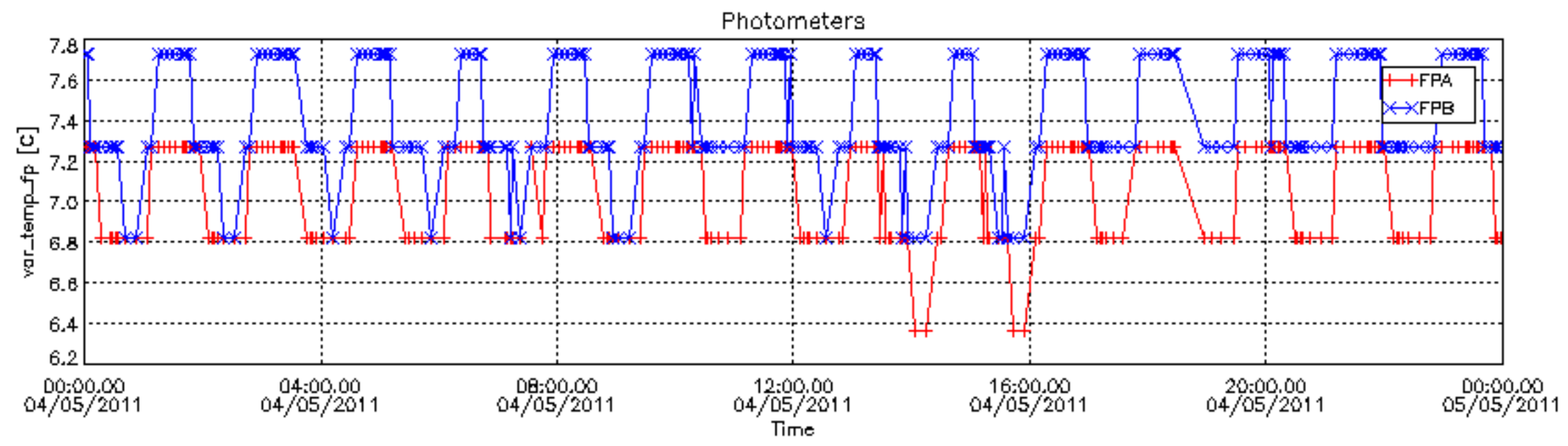
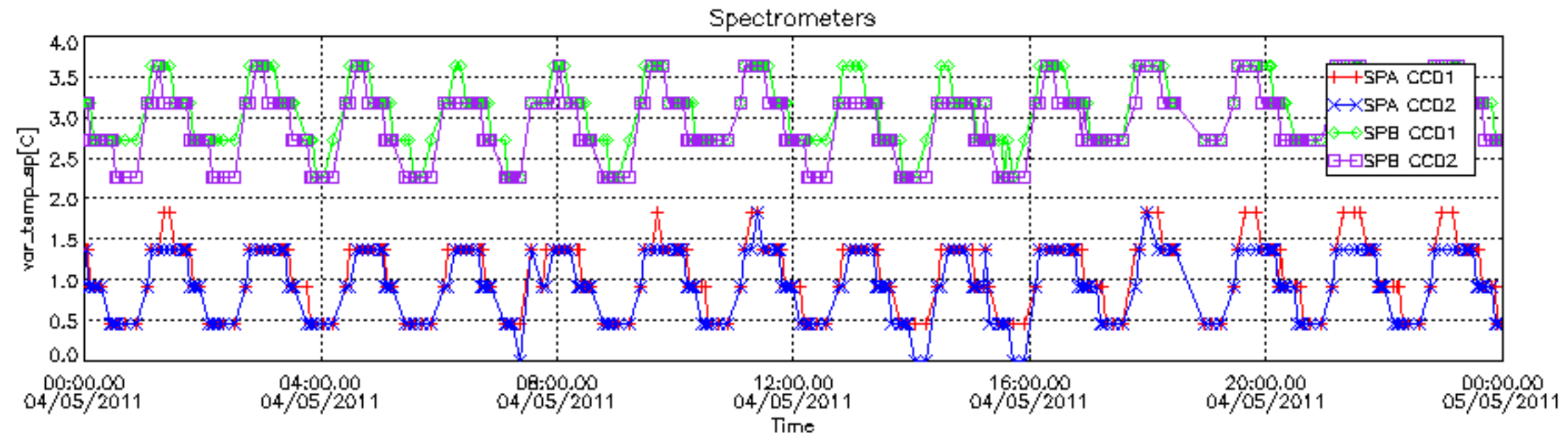
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

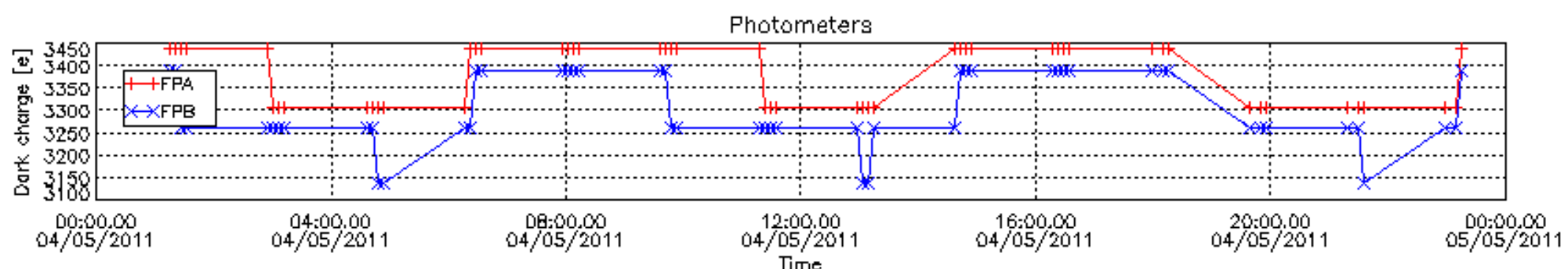
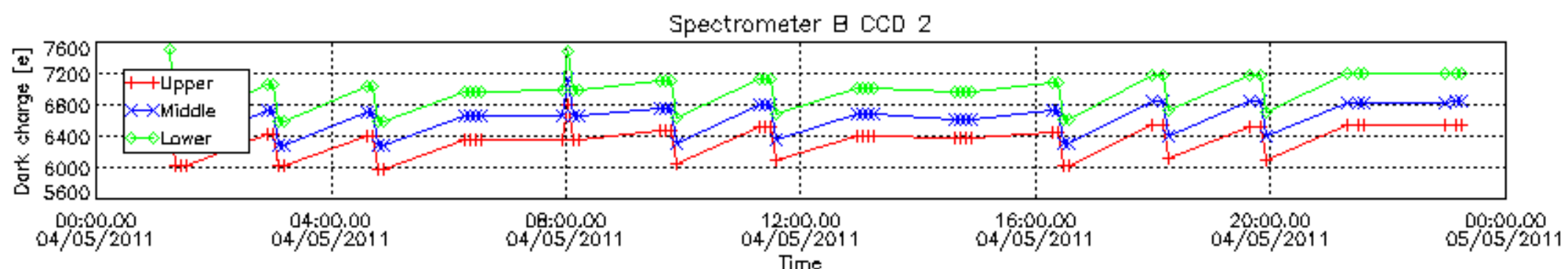
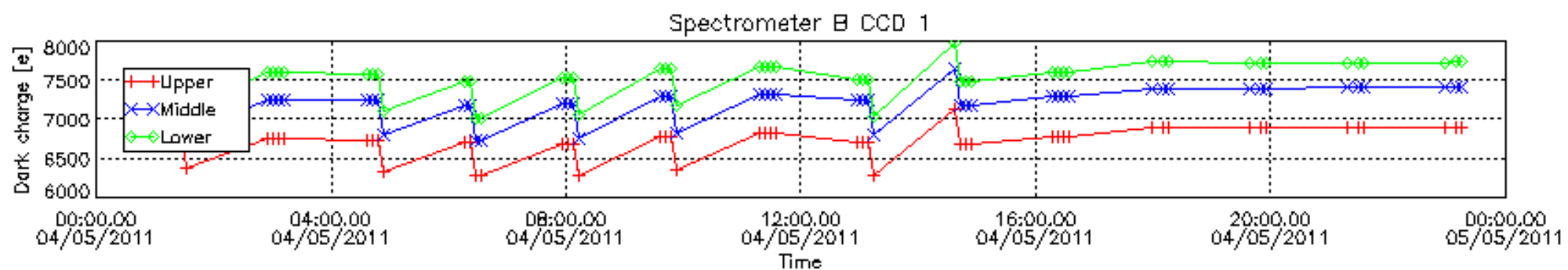
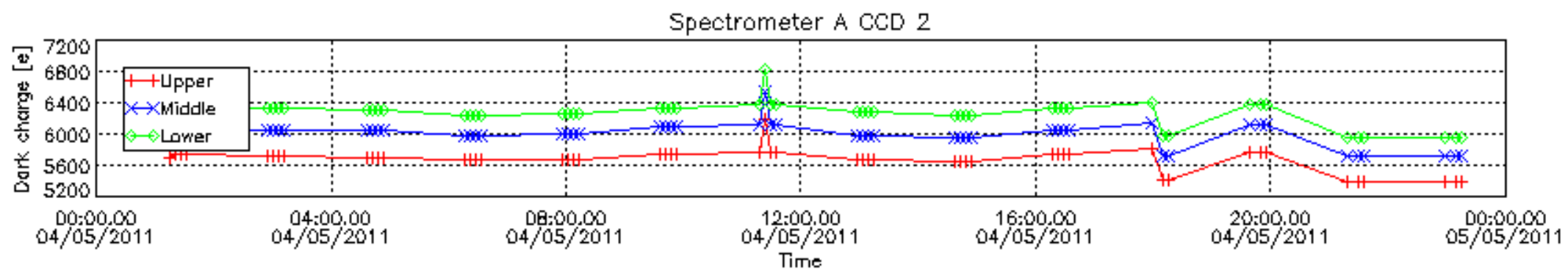
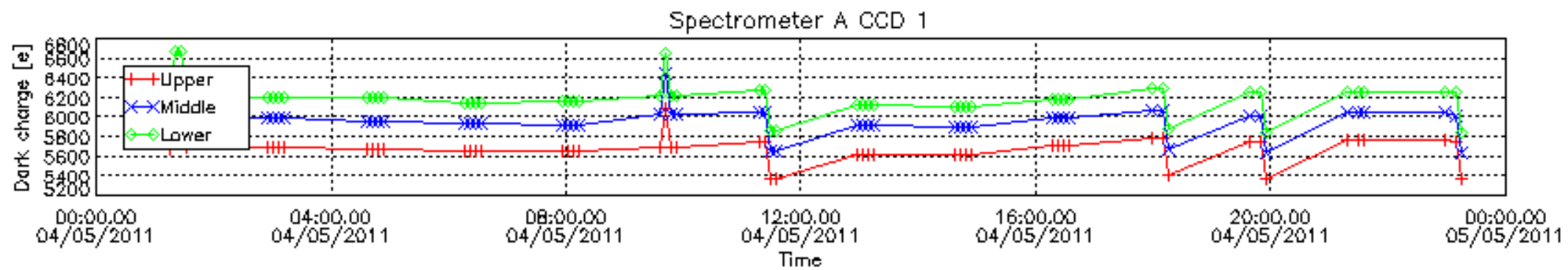
Type	Auxiliary Filename	Used since product	Used since product date
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CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110429_092904_20110427_000000_20500101_000000	1	04-MAY-2011 00:01:43
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110421_075944_20110419_000000_20500101_000000	84	04-MAY-2011 07:32:46
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	04-MAY-2011 00:01:43
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	04-MAY-2011 00:01:43
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	04-MAY-2011 00:01:43
ECMWF_FILE	AUX_ECF_AXNECM20110503_062114_20110503_210000_20110504_090000	1	04-MAY-2011 00:01:43
ECMWF_FILE	AUX_ECF_AXNECM20110503_182412_20110504_030000_20110504_150000	49	04-MAY-2011 04:12:19
ECMWF_FILE	AUX_ECA_AXNECM20110504_063102_20110503_210000_20110504_090000	66	04-MAY-2011 05:52:33
ECMWF_FILE	AUX_ECF_AXNECM20110503_182412_20110504_030000_20110504_150000	97	04-MAY-2011 08:46:43
ECMWF_FILE	AUX_ECF_AXNECM20110504_063103_20110504_090000_20110504_210000	116	04-MAY-2011 10:18:37
ECMWF_FILE	AUX_ECF_AXNECM20110504_063103_20110504_150000_20110505_030000	174	04-MAY-2011 15:14:12
ECMWF_FILE	AUX_ECA_AXNECM20110504_175104_20110504_090000_20110504_210000	193	04-MAY-2011 16:52:23
ECMWF_FILE	AUX_ECF_AXNECM20110504_063103_20110504_150000_20110505_030000	220	04-MAY-2011 20:04:40
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ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110504_185244_000038263102_00128_47987_4496.N1	211	04-MAY-2011 18:56:57
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110504_200148_000041443102_00129_47988_3056.N1	220	04-MAY-2011 20:04:40
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110504_211611_000057383102_00129_47988_3057.N1	235	04-MAY-2011 21:18:15
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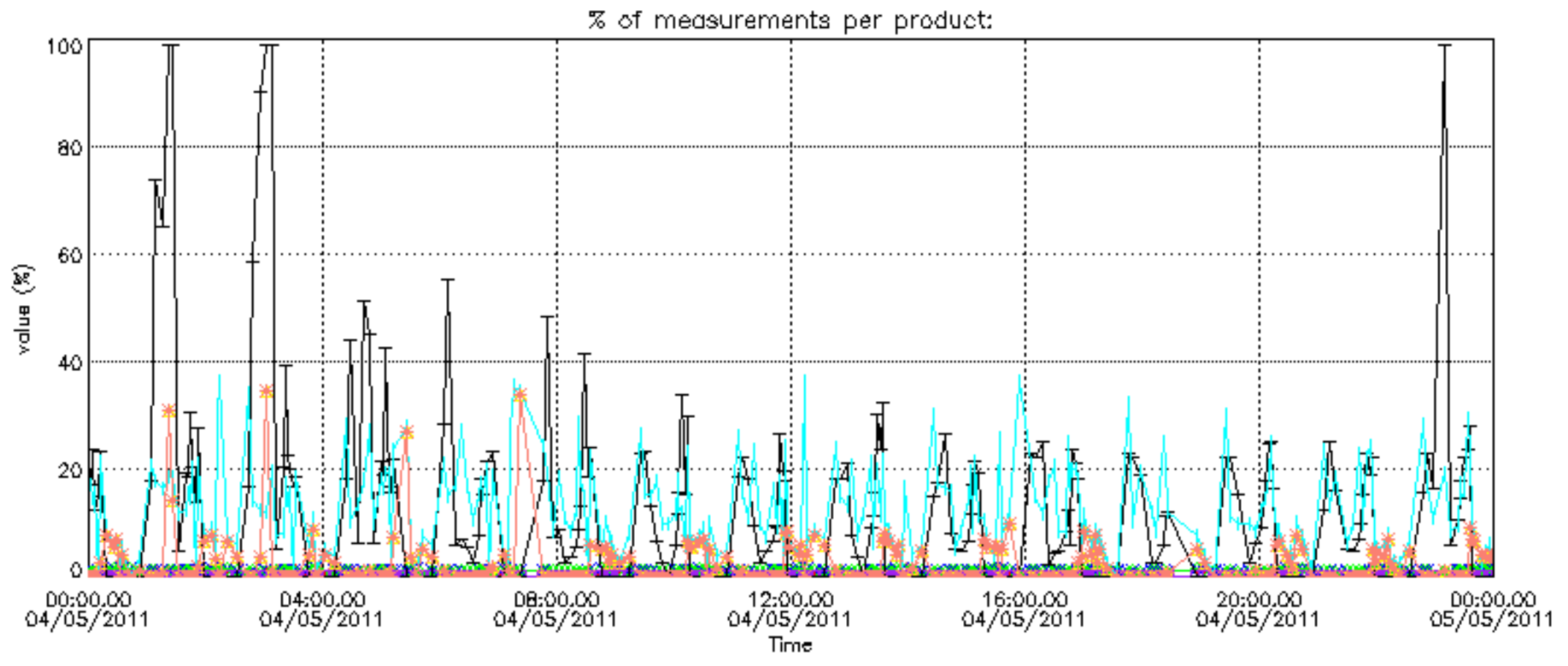




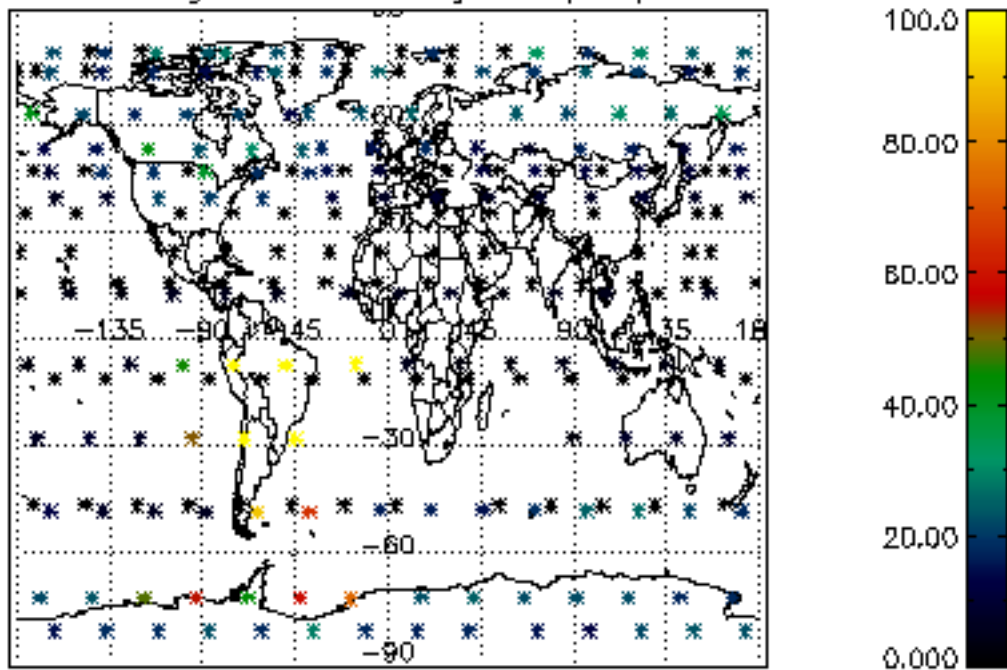




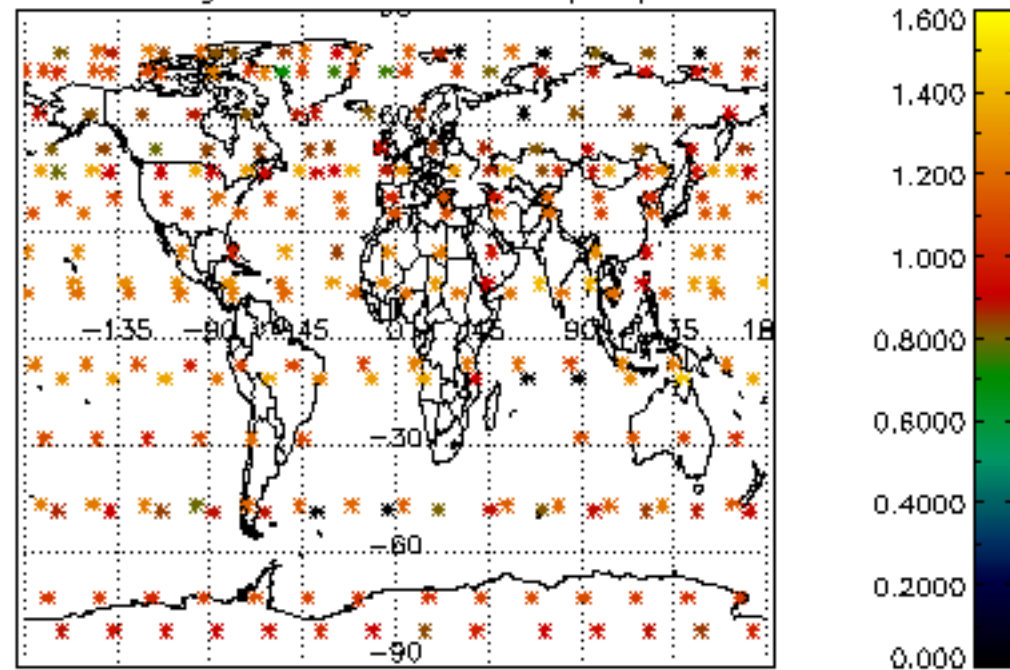




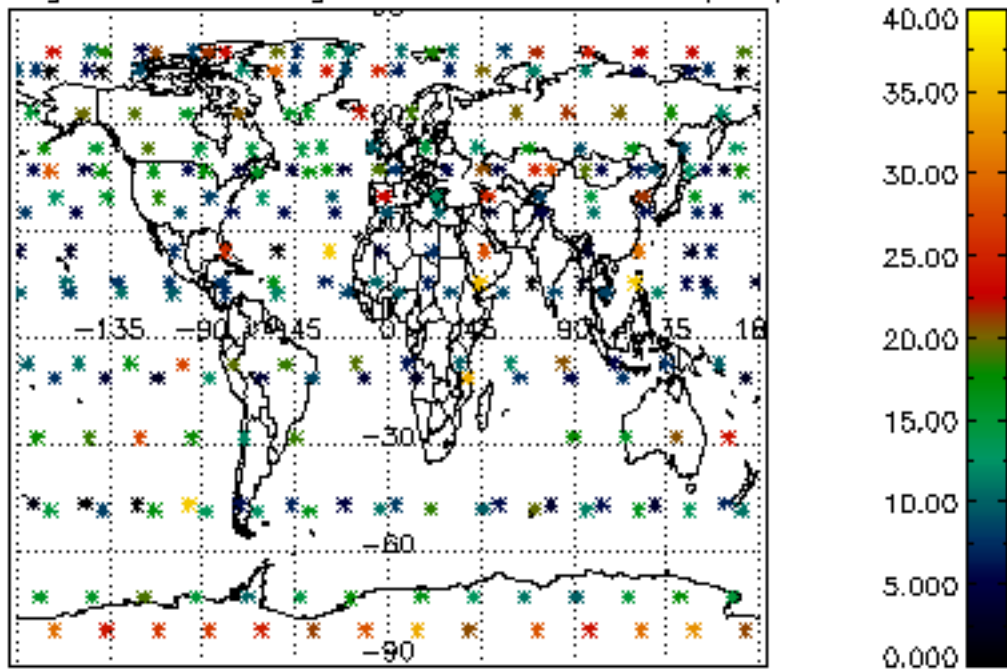
Percentage of cosmic ray hits per profile



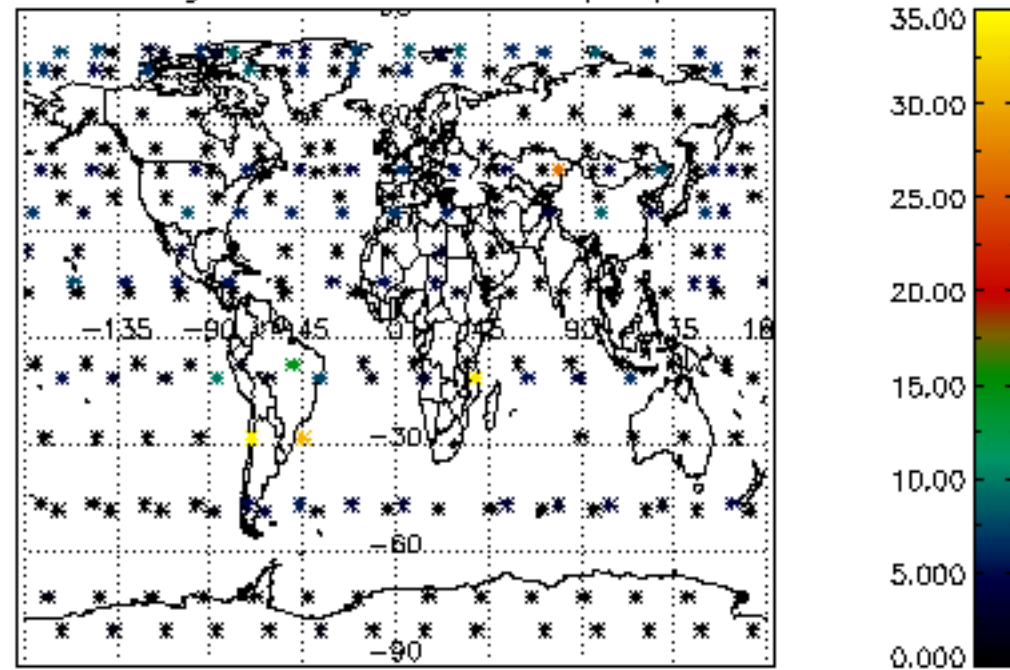
Percentage of datation errors per profile



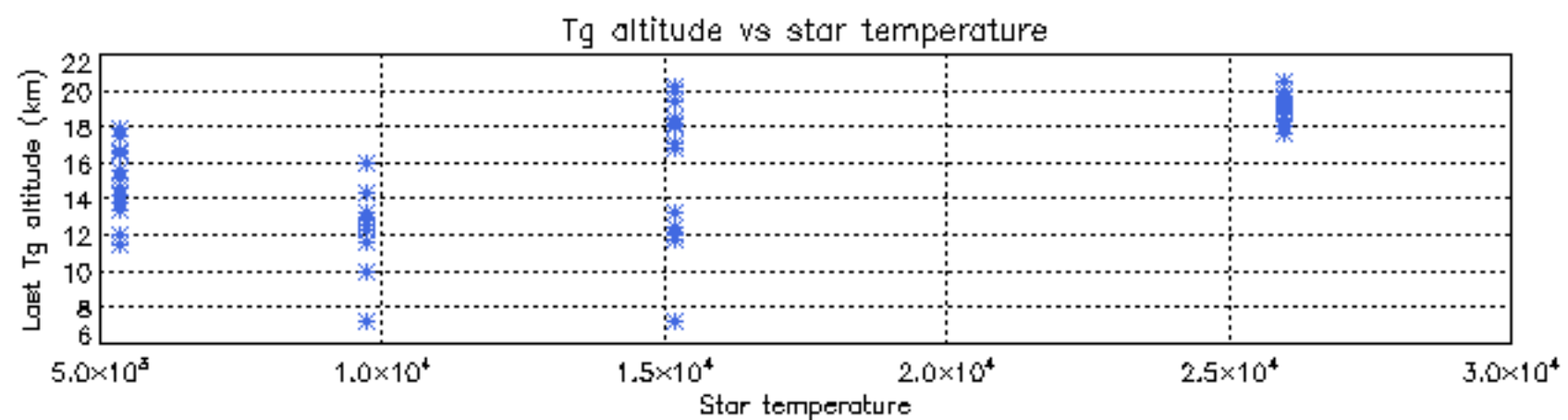
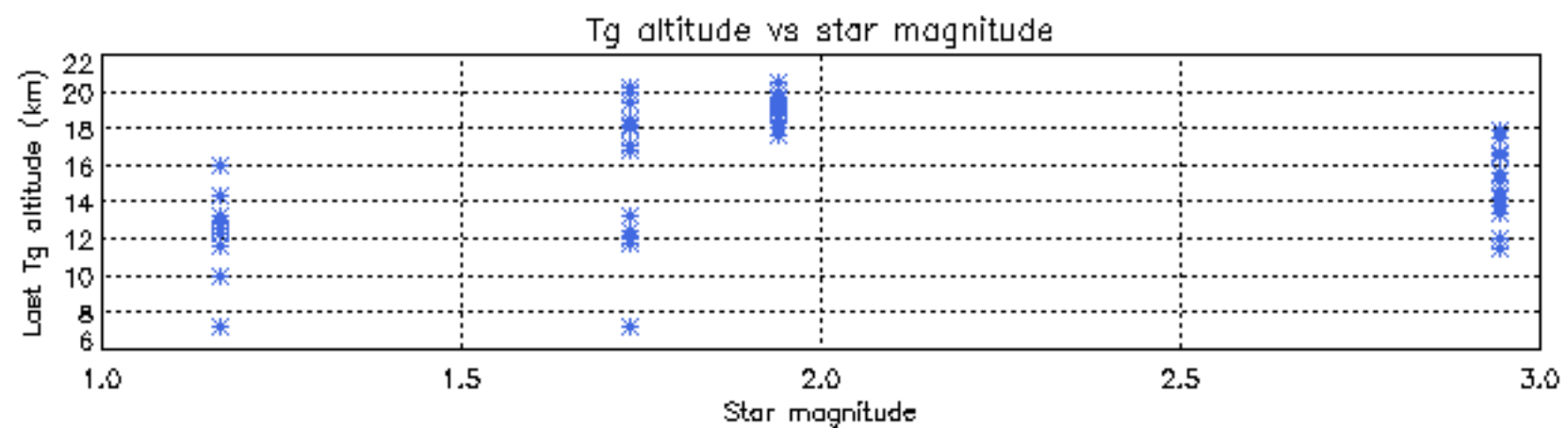
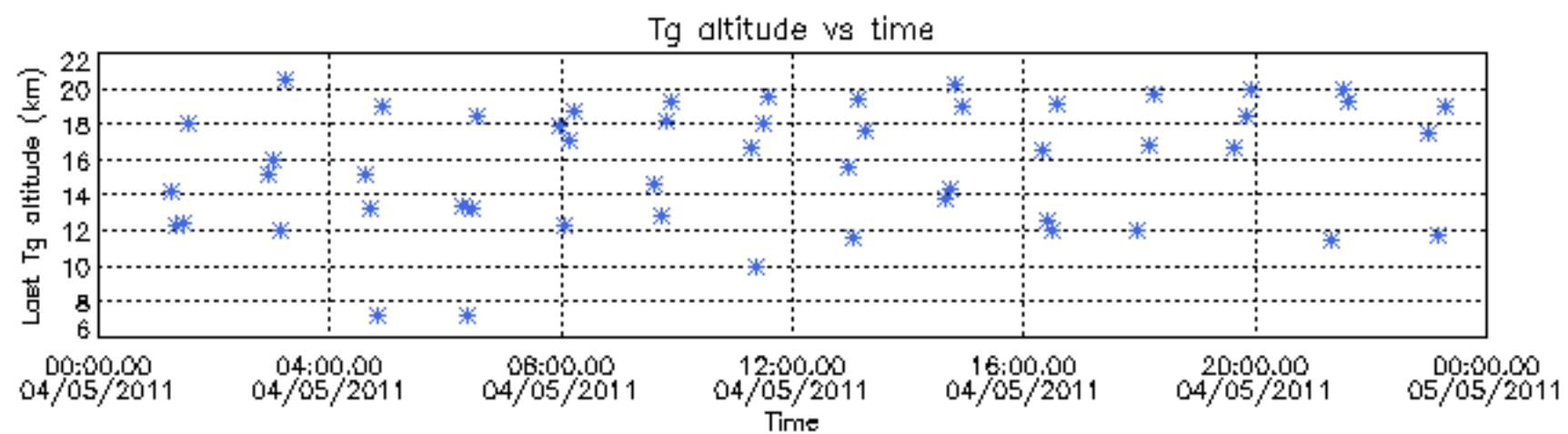
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

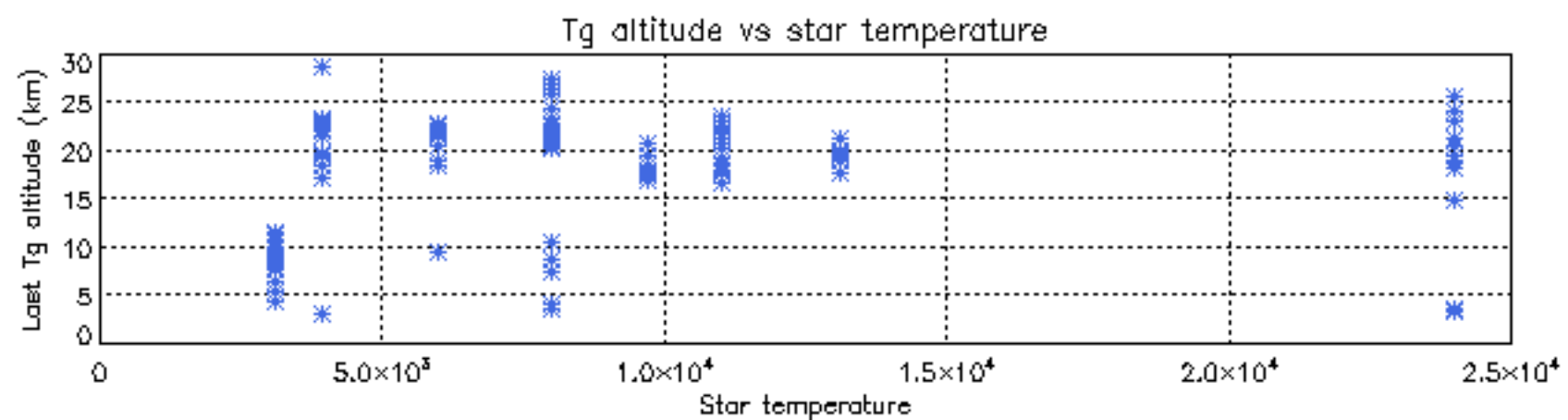
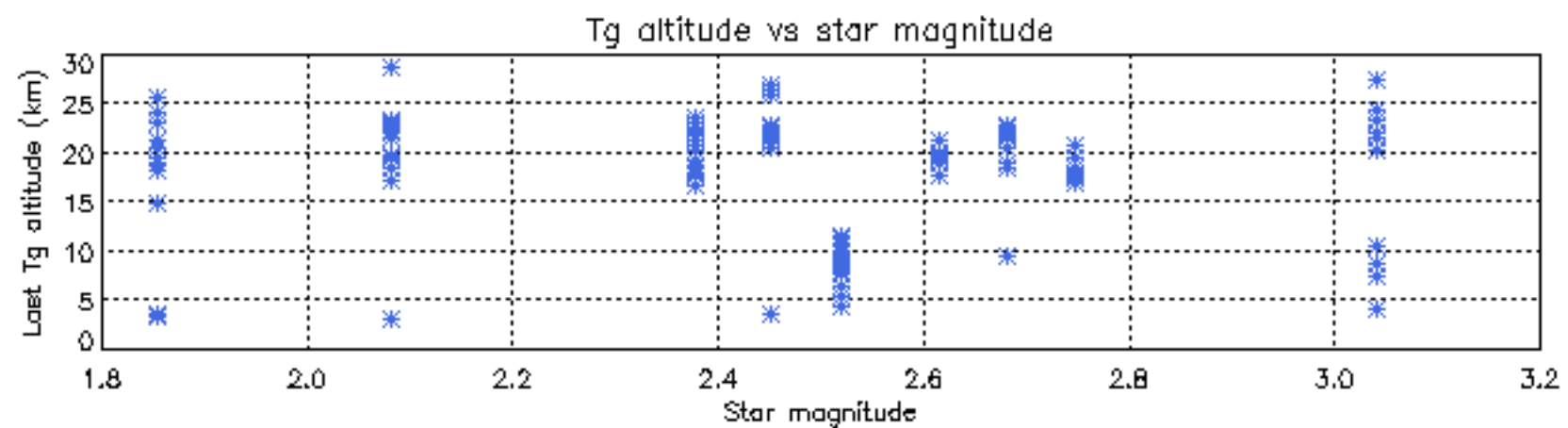
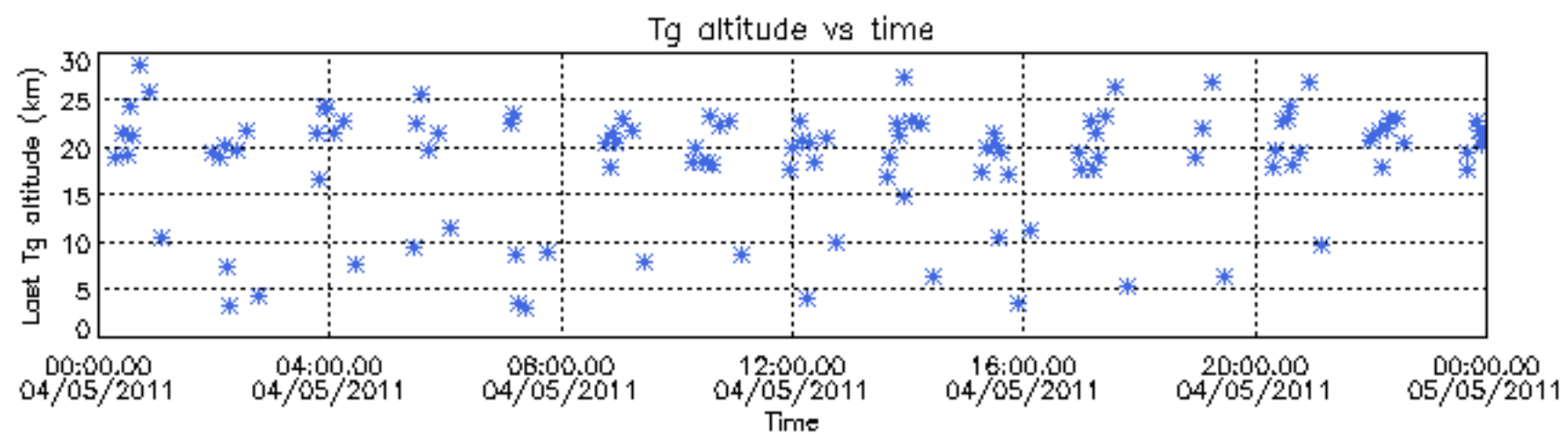


Tangent altitude at which the star is lost

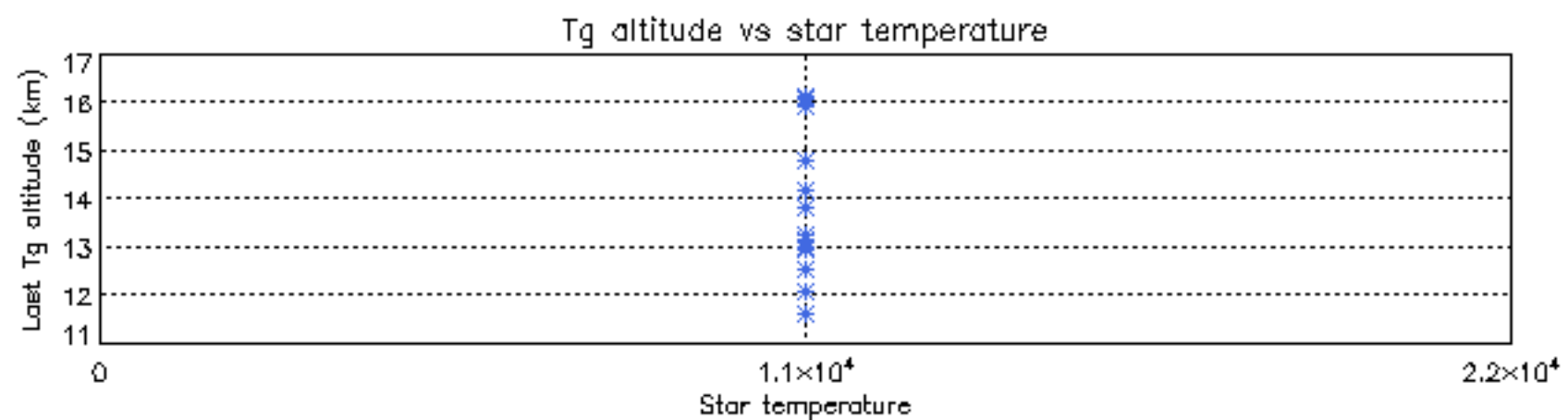
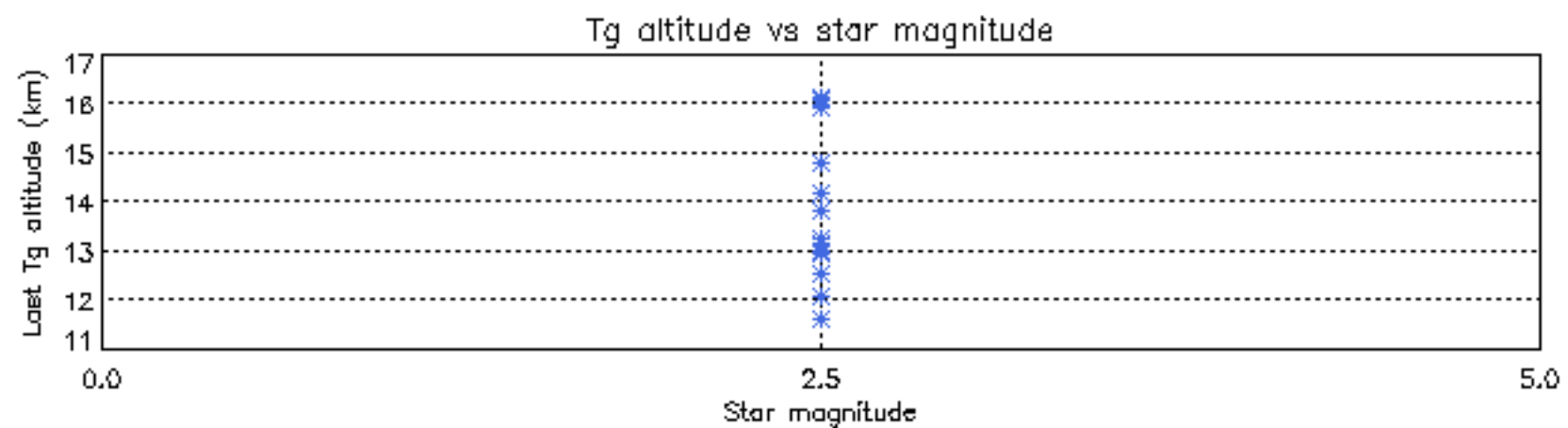
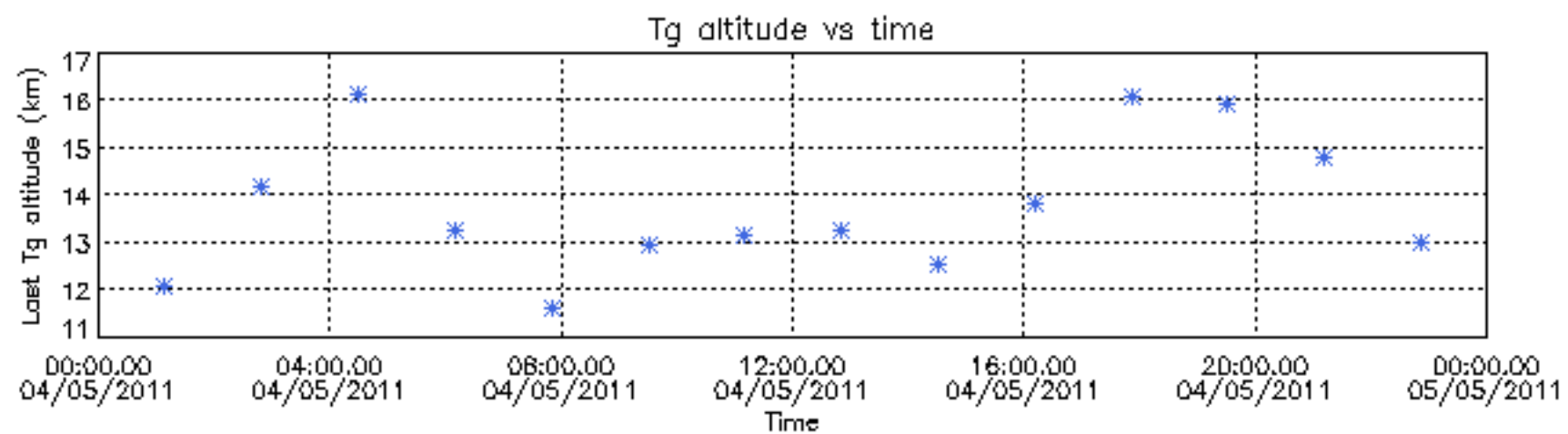


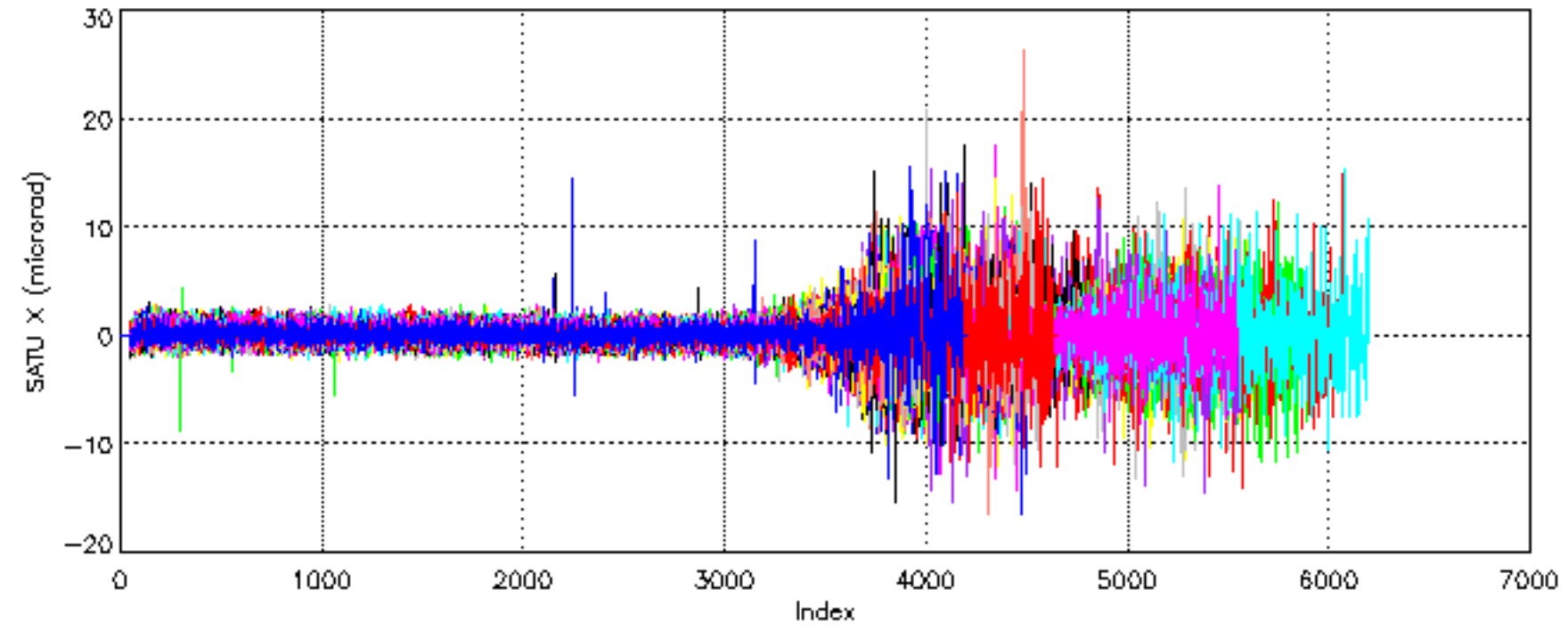


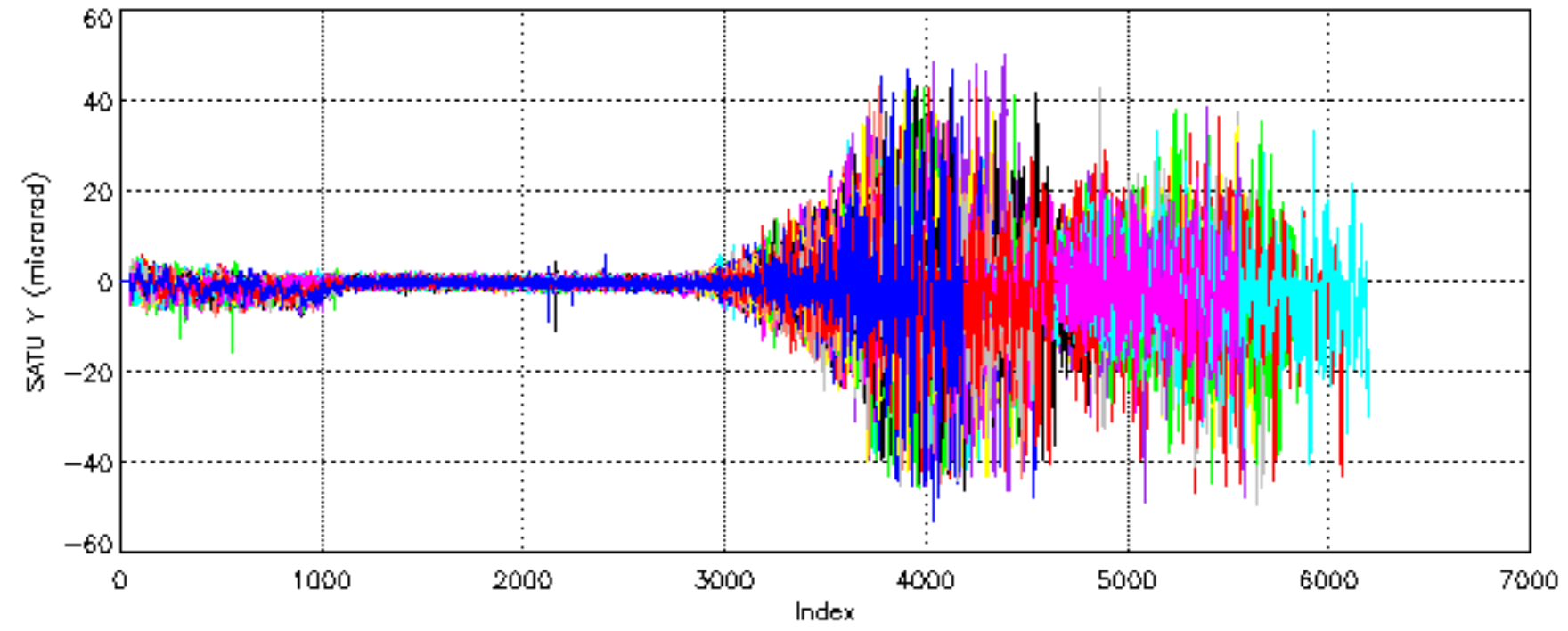
Tangent altitude at which the star is lost



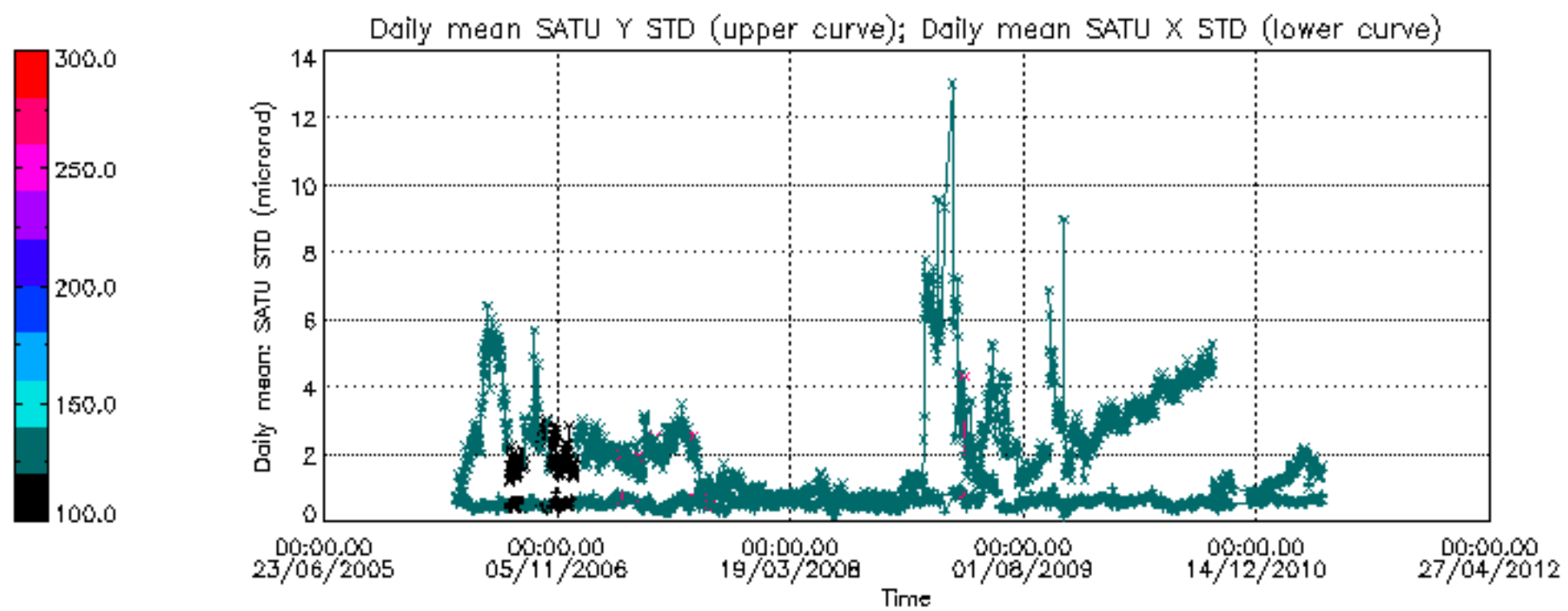
Tangent altitude at which the star is lost











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 6; 860.3; 11-MAY-2011 00:46:34; Dark ; 55.0; 40; The Sco ; 1.86; 7100;occ; 110; 0;48077
 7; 970.8; 11-MAY-2011 00:48:24; Dark ; 57.5; 25; 35Lam Sco ; 1.62; 28000;occ; 115; 0;48077
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14; 2224.0; 11-MAY-2011 01:09:18; Bright; 38.0; 3; 16Alp Boo ;-0.05; 4250;occ; 76; 0;48077
15; 2382.3; 11-MAY-2011 01:11:56; Bright; 42.5; 83; ; 2.38; 11000;occ; 85; 0;48077
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11; 2383.0; 21-MAY-2011 20:08:05; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;48232  
12; 2599.6; 21-MAY-2011 20:11:42; Bright; 51.0; 133; 40Zet Her ; 2.81; 6000;occ; 102; 0;48232  
13; 3034.6; 21-MAY-2011 20:18:57; Bright; 59.0; 119; 14Eta Dra ; 2.73; 4700;occ; 118; 0;48232  
14; 3135.1; 21-MAY-2011 20:20:37; Bright; 54.5; 69; 33Gam Dra ; 2.23; 3800;occ; 109; 0;48232  
15; 3683.8; 21-MAY-2011 20:29:46; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48232  
16; 3933.5; 21-MAY-2011 20:33:56; Bright; 57.0; 74; 11Bet Cas ; 2.27; 6600;occ; 114; 0;48232  
17; 4507.5; 21-MAY-2011 20:43:30; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;48232  
18; 4770.7; 21-MAY-2011 20:47:53; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;48232  
19; 4893.6; 21-MAY-2011 20:49:56; Dark ; 58.0; 90; 54Alp Peg ; 2.49; 11000;occ; 116; 0;48232

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1; -278.3; 21-MAY-2011 21:03:58; Dark ; 63.5; 18; 24Alp PsA ; 1.17; 9700;occ; 127; 0;48232  
2; -117.8; 21-MAY-2011 21:06:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48232  
3; 62.3; 21-MAY-2011 21:09:39; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;48233  
4; 385.9; 21-MAY-2011 21:15:02; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;48233  
5; 863.2; 21-MAY-2011 21:23:00; Dark ; 44.0; 147; Alp Ara ; 2.88; 26000;occ; 88; 0;48233  
6; 959.4; 21-MAY-2011 21:24:36; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;48233  
7; 1069.7; 21-MAY-2011 21:26:26; Dark ; 54.5; 25; 35Lam Sco ; 1.62; 28000;occ; 109; 0;48233  
8; 1194.2; 21-MAY-2011 21:28:30; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;48233  
9; 1366.9; 21-MAY-2011 21:31:23; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;48233  
10; 1462.2; 21-MAY-2011 21:32:59; Bright; 51.0; 80; 7Del Sco ; 2.32; 30000;occ; 102; 0;48233  
11; 1566.3; 21-MAY-2011 21:34:43; Bright; 54.0; 86; 35Eta Oph ; 2.43; 10200;occ; 108; 0;48233  
12; 1689.0; 21-MAY-2011 21:36:45; Bright; 47.0; 98; 13Zet Oph ; 2.57; 30000;occ; 94; 0;48233  
13; 1829.2; 21-MAY-2011 21:39:06; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;48233  
14; 2013.9; 21-MAY-2011 21:42:10; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;48233  
15; 2382.6; 21-MAY-2011 21:48:19; Bright; 40.0; 67; 5Alp CrB ; 2.22; 11000;occ; 80; 0;48233  
16; 2598.9; 21-MAY-2011 21:51:55; Bright; 47.5; 133; 40Zet Her ; 2.81; 6000;occ; 95; 0;48233  
17; 3034.2; 21-MAY-2011 21:59:10; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;48233  
18; 3134.2; 21-MAY-2011 22:00:51; Bright; 55.0; 69; 33Gam Dra ; 2.23; 3800;occ; 110; 0;48233  
19; 3683.1; 21-MAY-2011 22:09:59; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48233  
20; 3933.3; 21-MAY-2011 22:14:10; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;48233  
21; 4507.7; 21-MAY-2011 22:23:44; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;48233  
22; 4771.0; 21-MAY-2011 22:28:07; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;48233  
23; 4894.1; 21-MAY-2011 22:30:10; Dark ; 60.0; 90; 54Alp Peg ; 2.49; 11000;occ; 120; 0;48233

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1; -277.6; 21-MAY-2011 22:44:13; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;48233  
2; -116.8; 21-MAY-2011 22:46:53; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48233  
3; 63.2; 21-MAY-2011 22:49:53; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;48234  
4; 386.7; 21-MAY-2011 22:55:17; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48234

5; 863.7; 21-MAY-2011 23:03:14; Dark ; 41.5; 147; Alp Ara ; 2.88; 26000;occ; 83; 0;48234  
6; 959.7; 21-MAY-2011 23:04:50; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;48234  
7; 1070.4; 21-MAY-2011 23:06:41; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;48234  
8; 1194.5; 21-MAY-2011 23:08:45; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;48234  
9; 1366.9; 21-MAY-2011 23:11:37; Dark ; 54.5; 16; 21Alp Sco ; 1.02; 3000;occ; 109; 0;48234  
10; 1462.4; 21-MAY-2011 23:13:13; Bright; 44.0; 80; 7Del Sco ; 2.32; 30000;occ; 88; 0;48234  
11; 1566.3; 21-MAY-2011 23:14:57; Bright; 53.0; 86; 35Eta Oph ; 2.43; 10200;occ; 106; 0;48234  
12; 1688.8; 21-MAY-2011 23:16:59; Bright; 48.5; 98; 13Zet Oph ; 2.57; 30000;occ; 97; 0;48234  
13; 1829.1; 21-MAY-2011 23:19:19; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;48234  
14; 2013.7; 21-MAY-2011 23:22:24; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;48234  
15; 2382.2; 21-MAY-2011 23:28:32; Bright; 40.0; 67; 5Alp CrB ; 2.22; 11000;occ; 80; 0;48234  
16; 2598.1; 21-MAY-2011 23:32:08; Bright; 52.5; 133; 40Zet Her ; 2.81; 6000;occ; 105; 0;48234  
17; 3033.6; 21-MAY-2011 23:39:24; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;48234  
18; 3133.1; 21-MAY-2011 23:41:03; Bright; 47.0; 69; 33Gam Dra ; 2.23; 3800;occ; 94; 0;48234  
19; 3682.8; 21-MAY-2011 23:50:13; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48234  
20; 3933.3; 21-MAY-2011 23:54:23; Bright; 38.0; 74; 11Bet Cas ; 2.27; 6600;occ; 76; 0;48234  
21; 4507.8; 22-MAY-2011 00:03:58; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;48234  
22; 4771.3; 22-MAY-2011 00:08:22; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;48234  
23; 4895.0; 22-MAY-2011 00:10:25; Dark ; 61.0; 90; 54Alp Peg ; 2.49; 11000;occ; 122; 0;48234

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1; 1068.6; 21-MAY-2011 18:05:57; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;48231  
2; 1193.4; 21-MAY-2011 18:08:02; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;48231  
3; 1366.4; 21-MAY-2011 18:10:55; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;48231  
4; 1461.9; 21-MAY-2011 18:12:30; Bright; 44.5; 80; 7Del Sco ; 2.32; 30000;occ; 89; 0;48231  
5; 1566.3; 21-MAY-2011 18:14:15; Bright; 54.5; 86; 35Eta Oph ; 2.43; 10200;occ; 109; 0;48231  
6; 1689.1; 21-MAY-2011 18:16:17; Bright; 48.5; 98; 13Zet Oph ; 2.57; 30000;occ; 97; 0;48231  
7; 1829.6; 21-MAY-2011 18:18:38; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;48231  
8; 2014.4; 21-MAY-2011 18:21:43; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;48231  
9; 2383.3; 21-MAY-2011 18:27:52; Bright; 39.5; 67; 5Alp CrB ; 2.22; 11000;occ; 79; 0;48231  
10; 2600.5; 21-MAY-2011 18:31:29; Bright; 51.5; 133; 40Zet Her ; 2.81; 6000;occ; 103; 0;48231  
11; 3035.2; 21-MAY-2011 18:38:44; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;48231  
12; 3136.2; 21-MAY-2011 18:40:24; Bright; 55.0; 69; 33Gam Dra ; 2.23; 3800;occ; 110; 0;48231  
13; 3684.4; 21-MAY-2011 18:49:33; Bright; 53.5; 89; 5Alp Cep ; 2.45; 8000;occ; 107; 0;48231  
14; 3933.7; 21-MAY-2011 18:53:42; Bright; 36.0; 74; 11Bet Cas ; 2.27; 6600;occ; 72; 0;48231  
15; 4507.6; 21-MAY-2011 19:03:16; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;48231  
16; 4770.4; 21-MAY-2011 19:07:39; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;48231  
17; 4892.9; 21-MAY-2011 19:09:41; Dark ; 63.5; 90; 54Alp Peg ; 2.49; 11000;occ; 127; 0;48231  
18; 5734.8; 21-MAY-2011 19:23:43; Dark ; 55.5; 18; 24Alp PsA ; 1.17; 9700;occ; 111; 0;48231  
19; 5895.2; 21-MAY-2011 19:26:24; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48231  
20; 6075.6; 21-MAY-2011 19:29:24; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;48232  
21; 6399.4; 21-MAY-2011 19:34:48; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;48232  
22; 6876.9; 21-MAY-2011 19:42:45; Dark ; 41.0; 147; Alp Ara ; 2.88; 26000;occ; 82; 0;48232  
23; 6972.9; 21-MAY-2011 19:44:21; Dark ; 4.5; 40; The Sco ; 1.86; 7100;occ; 9; 0;48232

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1; -276.5; 22-MAY-2011 00:24:28; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;48234  
2; -115.8; 22-MAY-2011 00:27:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48234  
3; 64.0; 22-MAY-2011 00:30:08; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;48235  
4; 387.3; 22-MAY-2011 00:35:31; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48235  
5; 864.1; 22-MAY-2011 00:43:28; Dark ; 44.0; 147; Alp Ara ; 2.88; 26000;occ; 88; 0;48235  
6; 960.5; 22-MAY-2011 00:45:05; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;48235  
7; 1070.8; 22-MAY-2011 00:46:55; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;48235  
8; 1194.7; 22-MAY-2011 00:48:59; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;48235  
9; 1367.2; 22-MAY-2011 00:51:51; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;48235  
10; 1462.5; 22-MAY-2011 00:53:27; Bright; 46.0; 80; 7Del Sco ; 2.32; 30000;occ; 92; 0;48235  
11; 1566.6; 22-MAY-2011 00:55:11; Bright; 54.5; 86; 35Eta Oph ; 2.43; 10200;occ; 109; 0;48235  
12; 1688.9; 22-MAY-2011 00:57:13; Bright; 47.5; 98; 13Zet Oph ; 2.57; 30000;occ; 95; 0;48235  
13; 1828.9; 22-MAY-2011 00:59:33; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;48235  
14; 2013.6; 22-MAY-2011 01:02:38; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;48235  
15; 2382.1; 22-MAY-2011 01:08:46; Bright; 41.0; 67; 5Alp CrB ; 2.22; 11000;occ; 82; 0;48235  
16; 2597.2; 22-MAY-2011 01:12:21; Bright; 51.0; 133; 40Zet Her ; 2.81; 6000;occ; 102; 0;48235  
17; 3033.4; 22-MAY-2011 01:19:38; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;48235  
18; 3132.4; 22-MAY-2011 01:21:17; Bright; 54.5; 69; 33Gam Dra ; 2.23; 3800;occ; 109; 0;48235  
19; 3682.3; 22-MAY-2011 01:30:26; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48235  
20; 3933.3; 22-MAY-2011 01:34:37; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;48235  
21; 4508.1; 22-MAY-2011 01:44:12; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;48235  
22; 4771.8; 22-MAY-2011 01:48:36; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;48235  
23; 4895.7; 22-MAY-2011 01:50:40; Dark ; 60.5; 90; 54Alp Peg ; 2.49; 11000;occ; 121; 0;48235

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1; -275.4; 22-MAY-2011 02:04:43; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;48235  
 2; -114.7; 22-MAY-2011 02:07:23; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48235  
 3; 64.8; 22-MAY-2011 02:10:23; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;48236  
 4; 388.4; 22-MAY-2011 02:15:46; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48236  
 5; 864.9; 22-MAY-2011 02:23:43; Dark ; 44.0; 147; Alp Ara ; 2.88; 26000;occ; 88; 0;48236  
 6; 961.1; 22-MAY-2011 02:25:19; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;48236  
 7; 1071.3; 22-MAY-2011 02:27:09; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;48236  
 8; 1195.1; 22-MAY-2011 02:29:13; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;48236  
 9; 1367.5; 22-MAY-2011 02:32:06; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;48236  
 10; 1462.7; 22-MAY-2011 02:33:41; Bright; 46.5; 80; 7Del Sco ; 2.32; 30000;occ; 93; 0;48236  
 11; 1566.7; 22-MAY-2011 02:35:25; Bright; 54.0; 86; 35Eta Oph ; 2.43; 10200;occ; 108; 0;48236  
 12; 1688.8; 22-MAY-2011 02:37:27; Bright; 48.0; 98; 13Zet Oph ; 2.57; 30000;occ; 96; 0;48236  
 13; 1829.0; 22-MAY-2011 02:39:47; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;48236  
 14; 2013.6; 22-MAY-2011 02:42:52; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;48236  
 15; 2381.7; 22-MAY-2011 02:49:00; Bright; 43.0; 67; 5Alp CrB ; 2.22; 11000;occ; 86; 0;48236  
 16; 2596.5; 22-MAY-2011 02:52:35; Bright; 49.0; 133; 40Zet Her ; 2.81; 6000;occ; 98; 0;48236  
 17; 3033.2; 22-MAY-2011 02:59:51; Bright; 59.0; 119; 14Eta Dra ; 2.73; 4700;occ; 118; 0;48236  
 18; 3131.3; 22-MAY-2011 03:01:29; Bright; 54.5; 69; 33Gam Dra ; 2.23; 3800;occ; 109; 0;48236

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1; -2332.2; 22-MAY-2011 03:10:40; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48236  
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 3; -1505.8; 22-MAY-2011 03:24:26; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;48236  
 4; -1241.7; 22-MAY-2011 03:28:50; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;48236  
 5; -1117.6; 22-MAY-2011 03:30:54; Dark ; 62.5; 90; 54Alp Peg ; 2.49; 11000;occ; 125; 0;48236  
 6; -274.6; 22-MAY-2011 03:44:57; Dark ; 57.0; 18; 24Alp PsA ; 1.17; 9700;occ; 114; 0;48236  
 7; -113.7; 22-MAY-2011 03:47:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48236  
 8; 66.0; 22-MAY-2011 03:50:38; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;48237  
 9; 389.0; 22-MAY-2011 03:56:01; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48237  
 10; 865.4; 22-MAY-2011 04:03:57; Dark ; 43.0; 147; Alp Ara ; 2.88; 26000;occ; 86; 0;48237  
 11; 961.6; 22-MAY-2011 04:05:34; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;48237  
 12; 1072.2; 22-MAY-2011 04:07:24; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;48237  
 13; 1195.8; 22-MAY-2011 04:09:28; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;48237  
 14; 1368.1; 22-MAY-2011 04:12:20; Dark ; 57.5; 16; 21Alp Sco ; 1.02; 3000;occ; 115; 0;48237  
 15; 1463.1; 22-MAY-2011 04:13:55; Bright; 58.0; 80; 7Del Sco ; 2.32; 30000;occ; 116; 0;48237  
 16; 1567.0; 22-MAY-2011 04:15:39; Bright; 53.0; 86; 35Eta Oph ; 2.43; 10200;occ; 106; 0;48237  
 17; 1689.0; 22-MAY-2011 04:17:41; Bright; 47.5; 98; 13Zet Oph ; 2.57; 30000;occ; 95; 0;48237  
 18; 1829.1; 22-MAY-2011 04:20:01; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;48237  
 19; 2013.6; 22-MAY-2011 04:23:06; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;48237  
 20; 2381.6; 22-MAY-2011 04:29:14; Bright; 41.5; 67; 5Alp CrB ; 2.22; 11000;occ; 83; 0;48237  
 21; 2595.8; 22-MAY-2011 04:32:48; Bright; 50.5; 133; 40Zet Her ; 2.81; 6000;occ; 101; 0;48237  
 22; 3032.8; 22-MAY-2011 04:40:05; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;48237  
 23; 3130.4; 22-MAY-2011 04:41:43; Bright; 50.0; 69; 33Gam Dra ; 2.23; 3800;occ; 100; 0;48237

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1; -2332.4; 22-MAY-2011 04:50:54; Bright; 50.0; 89; 5Alp Cep ; 2.45; 8000;occ; 100; 0;48237  
 2; -2081.0; 22-MAY-2011 04:55:05; Bright; 52.5; 74; 11Bet Cas ; 2.27; 6600;occ; 105; 0;48237  
 3; -1505.8; 22-MAY-2011 05:04:40; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;48237  
 4; -1241.4; 22-MAY-2011 05:09:05; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;48237  
 5; -1117.0; 22-MAY-2011 05:11:09; Dark ; 62.0; 90; 54Alp Peg ; 2.49; 11000;occ; 124; 0;48237  
 6; -273.6; 22-MAY-2011 05:25:13; Dark ; 53.0; 18; 24Alp PsA ; 1.17; 9700;occ; 106; 0;48237  
 7; -112.7; 22-MAY-2011 05:27:53; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48237  
 8; 66.7; 22-MAY-2011 05:30:53; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;48238  
 9; 389.6; 22-MAY-2011 05:36:16; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48238  
 10; 866.1; 22-MAY-2011 05:44:12; Dark ; 43.5; 147; Alp Ara ; 2.88; 26000;occ; 87; 0;48238  
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 3; 1077.0; 22-MAY-2011 20:49:49; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;48247  
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 5; 1370.5; 22-MAY-2011 20:54:43; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;48247  
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 7; 1567.6; 22-MAY-2011 20:58:00; Bright; 53.0; 86; 35Eta Oph ; 2.43; 10200;occ; 106; 0;48247  
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 10; 2011.8; 22-MAY-2011 21:05:24; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;48247  
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 5; 870.9; 22-MAY-2011 22:26:37; Dark ; 40.5; 147; Alp Ara ; 2.88; 26000;occ; 81; 0;48248  
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 13; 1827.8; 22-MAY-2011 22:42:34; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;48248  
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 7; 1078.2; 23-MAY-2011 00:10:18; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;48249  
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 11; 1567.9; 23-MAY-2011 00:18:28; Bright; 52.5; 86; 35Eta Oph ; 2.43; 10200;occ; 105; 0;48249  
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 5; 2594.3; 22-MAY-2011 07:53:14; Bright; 49.0; 133; 40Zet Her ; 2.81; 6000;occ; 98; 0;48239  
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 9; 3933.0; 22-MAY-2011 08:15:33; Bright; 36.5; 74; 11Bet Cas ; 2.27; 6600;occ; 73; 0;48239  
 10; 4508.7; 22-MAY-2011 08:25:09; Dark ; 50.5; 58; 21Alp And ; 2.07; 11000;occ; 101; 0;48239  
 11; 4773.4; 22-MAY-2011 08:29:34; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;48239  
 12; 4898.6; 22-MAY-2011 08:31:39; Dark ; 58.5; 90; 54Alp Peg ; 2.49; 11000;occ; 117; 0;48239  
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