

# GOMOS Daily Report 01-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	04APR2011 07:07:12
Data source version	GOMOS/5.01
Start time of products	01APR2011 00:03:04
Stop time of products	01APR2011 23:57:10
Store outputs in DB	Yes
Nb of level 1b prods	323
Nb of prods with errors	1

## 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).

! DMOP (mission plan) file not available for current day: plot NOT generated.

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

! DMOP (mission plan) file not available for current day: information on missing products NOT generated.

### 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_1PNPDE20110401_000304_000000543101_00074_47502_2047.N1	01-APR-2011 00:03:04	Dark	53.500	40	The Sco	1.8590	7100.0	107	47502	No
2	GOM_TRA_1PNPDE20110401_000641_000000403101_00074_47502_2048.N1	01-APR-2011 00:06:41	Dark	40.000	134	Bet TrA	2.8100	6600.0	80	47502	No
3	GOM_TRA_1PNPDE20110401_000919_000000563101_00074_47502_2049.N1	01-APR-2011 00:09:19	Dark	56.000	4	Alp1Cen	-0.010000	5800.0	112	47502	No
4	GOM_TRA_1PNPDE20110401_001204_000000493101_00074_47502_2050.N1	01-APR-2011 00:12:04	Straylight	48.500	78	Alp Lup	2.3040	28000.	97	47502	No
5	GOM_TRA_1PNPDE20110401_001339_000000503101_00074_47502_2051.N1	01-APR-2011 00:13:39	Straylight	50.000	81	Eta Cen	2.3560	28000.	100	47502	No
6	GOM_TRA_1PNPDE20110401_001622_000000553101_00074_47502_2052.N1	01-APR-2011 00:16:22	Straylight	55.000	54	5The Cen	2.0550	4500.0	110	47502	No
7	GOM_TRA_1PNPDE20110401_002220_000000483101_00074_47502_2053.N1	01-APR-2011 00:22:20	Twilight_stray	48.000	106	9Bet Crv	2.6480	5600.0	96	47502	No
8	GOM_TRA_1PNPDE20110401_002417_000000453101_00074_47502_2054.N1	01-APR-2011 00:24:17	Twilight_stray	45.000	100	4Gam Crv	2.5800	13100.	90	47502	No
9	GOM_TRA_1PNPDE20110401_002604_000000543101_00074_47502_2055.N1	01-APR-2011 00:26:04	Bright	54.000	15	67Alp Vir	0.97600	28000.	108	47502	No
10	GOM_TRA_1PNPDE20110401_002919_000000443101_00074_47502_2056.N1	01-APR-2011 00:29:19	Bright	44.000	121	29Gam Vir	2.7400	7200.0	88	47502	No
11	GOM_TRA_1PNPDE20110401_003356_000000393101_00074_47502_2057.N1	01-APR-2011 00:33:56	Bright	38.500	62	94Bet Leo	2.1360	9700.0	77	47502	No
12	GOM_TRA_1PNPDE20110401_004220_000000393101_00074_47502_2058.N1	01-APR-2011 00:42:20	Bright	38.500	174	52Psi UMa	3.0040	4400.0	77	47502	No
13	GOM_TRA_1PNPDE20110401_004520_000000393101_00074_47502_2059.N1	01-APR-2011 00:45:20	Bright	39.000	87	64Gam UMa	2.4330	11000.	78	47502	No
14	GOM_TRA_1PNPDE20110401_004710_000000393101_00074_47502_2060.N1	01-APR-2011 00:47:10	Bright	39.000	36	50Alp UMa	1.8000	6300.0	78	47502	No
15	GOM_TRA_1PNPDE20110401_005327_000000423101_00074_47502_2061.N1	01-APR-2011 00:53:27	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	47502	No
16	GOM_TRA_1PNPDE20110401_010251_000000553101_00074_47502_2062.N1	01-APR-2011 01:02:51	Bright	55.000	89	5Alp Cep	2.4510	8000.0	110	47502	No
17	GOM_TRA_1PNPDE20110401_010745_000000463101_00074_47502_2063.N1	01-APR-2011 01:07:45	Bright	46.000	144	18Del Cyg	2.8600	11000.	92	47502	No
18	GOM_TRA_1PNPDE20110401_010940_000000443101_00074_47502_2064.N1	01-APR-2011 01:09:40	Bright	44.000	66	37Gam Cyg	2.2080	5900.0	88	47502	No
19	GOM_TRA_1PNPDE20110401_011142_000000433101_00074_47502_2065.N1	01-APR-2011 01:11:42	Bright	43.000	92	53Eps Cyg	2.5000	4500.0	86	47502	No
20	GOM_TRA_1PNPDE20110401_013559_000000523101_00074_47502_2086.N1	01-APR-2011 01:35:59	Dark	52.000	57	34Sig Sgr	2.0660	26000.	104	47502	No
21	GOM_TRA_1PNPDE20110401_014319_000000533101_00075_47503_2087.N1	01-APR-2011 01:43:19	Dark	52.500	40	The Sco	1.8590	7100.0	105	47503	No
22	GOM_TRA_1PNPDE20110401_014656_000000413101_00075_47503_2088.N1	01-APR-2011 01:46:56	Dark	40.500	134	Bet TrA	2.8100	6600.0	81	47503	No
23	GOM_TRA_1PNPDE20110401_014933_000000563101_00075_47503_2089.N1	01-APR-2011 01:49:33	Dark	56.000	4	Alp1Cen	-0.010000	5800.0	112	47503	No
24	GOM_TRA_1PNPDE20110401_015218_000000473101_00075_47503_2090.N1	01-APR-2011 01:52:18	Straylight	47.000	78	Alp Lup	2.3040	28000.	94	47503	No
25	GOM_TRA_1PNPDE20110401_015354_000000473101_00075_47503_2091.N1	01-APR-2011 01:53:54	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	47503	No
26	GOM_TRA_1PNPDE20110401_015637_000000513101_00075_47503_2092.N1	01-APR-2011 01:56:37	Straylight	51.000	54	5The Cen	2.0550	4500.0	102	47503	No
27	GOM_TRA_1PNPDE20110401_020234_000000503101_00075_47503_2093.N1	01-APR-2011 02:02:34	Twilight_stray	49.500	106	9Bet Crv	2.6480	5600.0	99	47503	No
28	GOM_TRA_1PNPDE20110401_020431_000000463101_00075_47503_2094.N1	01-APR-2011 02:04:31	Twilight_stray	45.500	100	4Gam Crv	2.5800	13100.	91	47503	No
29	GOM_TRA_1PNPDE20110401_020618_000000543101_00075_47503_2095.N1	01-APR-2011 02:06:18	Bright	54.000	15	67Alp Vir	0.97600	28000.	108	47503	No
30	GOM_TRA_1PNPDE20110401_020933_000000443101_00075_47503_2096.N1	01-APR-2011 02:09:33	Bright	43.500	121	29Gam Vir	2.7400	7200.0	87	47503	No

31	GOM_TRA_1PNPDE20110401_021410_000000383101_00075_47503_2097.N1	01-APR-2011 02:14:10	Bright	38.000	62	94Bet Leo	2.1360	9700.0	76	47503	No
32	GOM_TRA_1PNPDE20110401_022234_000000393101_00075_47503_2098.N1	01-APR-2011 02:22:34	Bright	38.500	174	52Psi UMa	3.0040	4400.0	77	47503	No
33	GOM_TRA_1PNPDE20110401_022534_000000513101_00075_47503_2099.N1	01-APR-2011 02:25:34	Bright	51.000	87	64Gam UMa	2.4330	11000.	102	47503	No
34	GOM_TRA_1PNPDE20110401_022724_000000383101_00075_47503_2100.N1	01-APR-2011 02:27:24	Bright	38.000	36	50Alp UMa	1.8000	6300.0	76	47503	No
35	GOM_TRA_1PNPDE20110401_023340_000000403101_00075_47503_2101.N1	01-APR-2011 02:33:40	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47503	No
36	GOM_TRA_1PNPDE20110401_024305_000000373101_00075_47503_2102.N1	01-APR-2011 02:43:05	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	47503	No
37	GOM_TRA_1PNPDE20110401_024759_000000683101_00075_47503_2103.N1	01-APR-2011 02:47:59	Bright	68.000	144	18Del Cyg	2.8600	11000.	136	47503	No
38	GOM_TRA_1PNPDE20110401_024954_000000453101_00075_47503_2104.N1	01-APR-2011 02:49:54	Bright	44.500	66	37Gam Cyg	2.2080	5900.0	89	47503	No
39	GOM_TRA_1PNPDE20110401_025156_000000453101_00075_47503_2105.N1	01-APR-2011 02:51:56	Bright	45.000	92	53Eps Cyg	2.5000	4500.0	90	47503	No
40	GOM_TRA_1PNPDE20110401_031614_000000523101_00075_47503_2106.N1	01-APR-2011 03:16:14	Dark	52.000	57	34Sig Sgr	2.0660	26000.	104	47503	No
41	GOM_TRA_1PNPDE20110401_031948_000000553101_00076_47504_2107.N1	01-APR-2011 03:19:48	Dark	55.000	38	20Eps Sgr	1.8360	11000.	110	47504	No
42	GOM_TRA_1PNPDE20110401_032334_000000563101_00076_47504_2108.N1	01-APR-2011 03:23:34	Dark	56.000	40	The Sco	1.8590	7100.0	112	47504	No
43	GOM_TRA_1PNPDE20110401_032710_000000413101_00076_47504_2109.N1	01-APR-2011 03:27:10	Dark	40.500	134	Bet TrA	2.8100	6600.0	81	47504	No
44	GOM_TRA_1PNPDE20110401_032948_000000533101_00076_47504_2110.N1	01-APR-2011 03:29:48	Dark	53.000	4	Alp1Cen	-0.010000	5800.0	106	47504	No
45	GOM_TRA_1PNPDE20110401_033233_000000503101_00076_47504_2111.N1	01-APR-2011 03:32:33	Straylight	49.500	78	Alp Lup	2.3040	28000.	99	47504	No
46	GOM_TRA_1PNPDE20110401_033408_000000513101_00076_47504_2112.N1	01-APR-2011 03:34:08	Straylight	50.500	81	Eta Cen	2.3560	28000.	101	47504	No
47	GOM_TRA_1PNPDE20110401_033651_000000573101_00076_47504_2113.N1	01-APR-2011 03:36:51	Straylight	57.000	54	5The Cen	2.0550	4500.0	114	47504	No
48	GOM_TRA_1PNPDE20110401_034248_000000473101_00076_47504_2114.N1	01-APR-2011 03:42:48	Tw_i_and_stray	46.500	106	9Bet Crv	2.6480	5600.0	93	47504	No
49	GOM_TRA_1PNPDE20110401_034445_000000433101_00076_47504_2115.N1	01-APR-2011 03:44:45	Tw_i_and_stray	43.000	100	4Gam Crv	2.5800	13100.	86	47504	No
50	GOM_TRA_1PNPDE20110401_034633_000000603101_00076_47504_2116.N1	01-APR-2011 03:46:33	Bright	60.000	15	67Alp Vir	0.97600	28000.	120	47504	No
51	GOM_TRA_1PNPDE20110401_034947_000000453101_00076_47504_2117.N1	01-APR-2011 03:49:47	Bright	44.500	121	29Gam Vir	2.7400	7200.0	89	47504	No
52	GOM_TRA_1PNPDE20110401_035424_000000393101_00076_47504_2118.N1	01-APR-2011 03:54:24	Bright	38.500	62	94Bet Leo	2.1360	9700.0	77	47504	No
53	GOM_TRA_1PNPDE20110401_040248_000000393101_00076_47504_2119.N1	01-APR-2011 04:02:48	Bright	38.500	174	52Psi UMa	3.0040	4400.0	77	47504	No
54	GOM_TRA_1PNPDE20110401_040547_000000393101_00076_47504_2120.N1	01-APR-2011 04:05:47	Bright	39.000	87	64Gam UMa	2.4330	11000.	78	47504	No
55	GOM_TRA_1PNPDE20110401_040736_000000413101_00076_47504_2121.N1	01-APR-2011 04:07:36	Bright	41.000	32	77Eps UMa	1.7630	11000.	82	47504	No
56	GOM_TRA_1PNPDE20110401_041354_000000413101_00076_47504_2122.N1	01-APR-2011 04:13:54	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47504	No
57	GOM_TRA_1PNPDE20110401_042319_000000383101_00076_47504_2103.N1	01-APR-2011 04:23:19	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	47504	No
58	GOM_TRA_1PNPDE20110401_042813_000000463101_00076_47504_2104.N1	01-APR-2011 04:28:13	Bright	45.500	144	18Del Cyg	2.8600	11000.	91	47504	No
59	GOM_TRA_1PNPDE20110401_043008_000000453101_00076_47504_2105.N1	01-APR-2011 04:30:08	Bright	44.500	66	37Gam Cyg	2.2080	5900.0	89	47504	No
60	GOM_TRA_1PNPDE20110401_043210_000000443101_00076_47504_2106.N1	01-APR-2011 04:32:10	Bright	44.000	92	53Eps Cyg	2.5000	4500.0	88	47504	No
61	GOM_TRA_1PNPDE20110401_043844_000000473101_00076_47504_2107.N1	01-APR-2011 04:38:44	Bright	47.000	61	8Eps Peg	2.1000	3900.0	94	47504	No
62	GOM_TRA_1PNPDE20110401_044318_000000413101_00076_47504_2108.N1	01-APR-2011 04:43:18	Dark	40.500	154	22Bet Aqr	2.8990	5700.0	81	47504	No
63	GOM_TRA_1PNPDE20110401_045630_000000473101_00076_47504_2109.N1	01-APR-2011 04:56:30	Dark	47.000	57	34Sig Sgr	2.0660	26000.	94	47504	No
64	GOM_TRA_1PNPDE20110401_050003_000000563101_00077_47505_2110.N1	01-APR-2011 05:00:03	Dark	55.500	38	20Eps Sgr	1.8360	11000.	111	47505	No
65	GOM_TRA_1PNPDE20110401_050349_000000543101_00077_47505_2111.N1	01-APR-2011 05:03:49	Dark	54.000	40	The Sco	1.8590	7100.0	108	47505	No
66	GOM_TRA_1PNPDE20110401_050725_000000403101_00077_47505_2112.N1	01-APR-2011 05:07:25	Dark	40.000	134	Bet TrA	2.8100	6600.0	80	47505	No
67	GOM_TRA_1PNPDE20110401_051002_000000513101_00077_47505_2113.N1	01-APR-2011 05:10:02	Dark	50.500	4	Alp1Cen	-0.010000	5800.0	101	47505	No
68	GOM_TRA_1PNPDE20110401_051247_000000453101_00077_47505_2114.N1	01-APR-2011 05:12:47	Straylight	45.000	78	Alp Lup	2.3040	28000.	90	47505	No
69	GOM_TRA_1PNPDE20110401_051423_000000483101_00077_47505_2115.N1	01-APR-2011 05:14:23	Straylight	47.500	81	Eta Cen	2.3560	28000.	95	47505	No
70	GOM_TRA_1PNPDE20110401_051705_000000593101_00077_47505_2116.N1	01-APR-2011 05:17:05	Straylight	59.000	54	5The Cen	2.0550	4500.0	118	47505	No
71	GOM_TRA_1PNPDE20110401_052303_000000493101_00077_47505_2117.N1	01-APR-2011 05:23:03	Tw_i_and_stray	49.000	106	9Bet Crv	2.6480	5600.0	98	47505	No
72	GOM_TRA_1PNPDE20110401_052459_000000443101_00077_47505_2118.N1	01-APR-2011 05:24:59	Tw_i_and_stray	44.000	100	4Gam Crv	2.5800	13100.	88	47505	No
73	GOM_TRA_1PNPDE20110401_052646_000000603101_00077_47505_2119.N1	01-APR-2011 05:26:46	Bright	60.000	15	67Alp Vir	0.97600	28000.	120	47505	No
74	GOM_TRA_1PNPDE20110401_053001_000000453101_00077_47505_2120.N1	01-APR-2011 05:30:01	Bright	44.500	121	29Gam Vir	2.7400	7200.0	89	47505	No
75	GOM_TRA_1PNPDE20110401_053438_000000383101_00077_47505_2121.N1	01-APR-2011 05:34:38	Bright	37.500	62	94Bet Leo	2.1360	9700.0	75	47505	No
76	GOM_TRA_1PNPDE20110401_054302_000000383101_00077_47505_2122.N1	01-APR-2011 05:43:02	Bright	38.000	174	52Psi UMa	3.0040	4400.0	76	47505	No
77	GOM_TRA_1PNPDE20110401_054601_000000393101_00077_47505_2123.N1	01-APR-2011 05:46:01	Bright	38.500	87	64Gam UMa	2.4330	11000.	77	47505	No
78	GOM_TRA_1PNPDE20110401_054750_000000413101_00077_47505_2124.N1	01-APR-2011 05:47:50	Bright	41.000	32	77Eps UMa	1.7630	11000.	82	47505	No
79	GOM_TRA_1PNPDE20110401_055408_000000413101_00077_47505_2125.N1	01-APR-2011 05:54:08	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47505	No
80	GOM_TRA_1PNPDK20110401_060333_000000383101_00077_47505_8378.N1	01-APR-2011 06:03:33	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	47505	No
81	GOM_TRA_1PNPDK20110401_060827_000000473101_00077_47505_8379.N1	01-APR-2011 06:08:27	Bright	46.500	144	18Del Cyg	2.8600	11000.	93	47505	No
82	GOM_TRA_1PNPDK20110401_061022_000000463101_00077_47505_8380.N1	01-APR-2011 06:10:22	Bright	46.000	66	37Gam Cyg	2.2080	5900.0	92	47505	No
83	GOM_TRA_1PNPDK20110401_061224_000000613101_00077_47505_8381.N1	01-APR-2011 06:12:24	Bright	61.000	92	53Eps Cyg	2.5000	4500.0	122	47505	No
84	GOM_TRA_1PNPDK20110401_061858_000000513101_00077_47505_8382.N1	01-APR-2011 06:18:58	Bright	50.500	61	8Eps Peg	2.1000	3900.0	101	47505	No
85	GOM_TRA_1PNPDK20110401_062333_000000453101_00077_47505_8383.N1	01-APR-2011 06:23:33	Dark	44.500	154	22Bet Aqr	2.8990	5700.0	89	47505	No
86	GOM_TRA_1PNPDK20110401_063646_000000473101_00077_47505_8384.N1	01-APR-2011 06:36:46	Dark	47.000	57	34Sig Sgr	2.0660	26000.	94	47505	No
87	GOM_TRA_1PNPDK20110401_064019_000000553101_00078_47506_8385.N1	01-APR-2011 06:40:19	Dark	54.500	38	20Eps Sgr	1.8360	11000.	109	47506	No
88	GOM_TRA_1PNPDK20110401_064404_000000533101_00078_47506_8386.N1	01-APR-2011 06:44:04	Dark	53.000	40	The Sco	1.8590	7100.0	106	47506	No
89	GOM_TRA_1PNPDK20110401_064739_000000413101_00078_47506_8387.N1	01-APR-2011 06:47:39	Dark	40.500	134	Bet TrA	2.8100	6600.0	81	47506	No

90	GOM_TRA_1PNPDK20110401_065017_000000493101_00078_47506_8388.N1	01-APR-2011 06:50:17	Dark	48.500	4	Alp1Cen	-0.010000	5800.0	97	47506	No
91	GOM_TRA_1PNPDK20110401_065302_000000463101_00078_47506_8389.N1	01-APR-2011 06:53:02	Straylight	46.000	78	Alp Lup	2.3040	28000.	92	47506	No
92	GOM_TRA_1PNPDK20110401_065438_000000483101_00078_47506_8390.N1	01-APR-2011 06:54:38	Straylight	48.000	81	Eta Cen	2.3560	28000.	96	47506	No
93	GOM_TRA_1PNPDK20110401_065720_000000533101_00078_47506_8391.N1	01-APR-2011 06:57:20	Straylight	52.500	54	5The Cen	2.0550	4500.0	105	47506	No
94	GOM_TRA_1PNPDK20110401_070317_000000483101_00078_47506_8392.N1	01-APR-2011 07:03:17	Tw_i_and_stray	47.500	106	9Bet Crv	2.6480	5600.0	95	47506	No
95	GOM_TRA_1PNPDK20110401_070514_000000443101_00078_47506_8393.N1	01-APR-2011 07:05:14	Tw_i_and_stray	43.500	100	4Gam Crv	2.5800	13100.	87	47506	No
96	GOM_TRA_1PNPDK20110401_070700_000000663101_00078_47506_8394.N1	01-APR-2011 07:07:00	Bright	65.500	15	67Alp Vir	0.97600	28000.	131	47506	No
97	GOM_TRA_1PNPDK20110401_071014_000000453101_00078_47506_8423.N1	01-APR-2011 07:10:14	Bright	44.500	121	29Gam Vir	2.7400	7200.0	89	47506	No
98	GOM_TRA_1PNPDK20110401_071452_000000403101_00078_47506_8424.N1	01-APR-2011 07:14:52	Bright	40.000	62	94Bet Leo	2.1360	9700.0	80	47506	No
99	GOM_TRA_1PNPDK20110401_072316_000000373101_00078_47506_8425.N1	01-APR-2011 07:23:16	Bright	36.500	174	52Psi UMa	3.0040	4400.0	73	47506	No
100	GOM_TRA_1PNPDK20110401_072615_000000393101_00078_47506_8426.N1	01-APR-2011 07:26:15	Bright	39.000	87	64Gam UMa	2.4330	11000.	78	47506	No
101	GOM_TRA_1PNPDK20110401_072803_000000403101_00078_47506_8427.N1	01-APR-2011 07:28:03	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	47506	No
102	GOM_TRA_1PNPDK20110401_073422_000000373101_00078_47506_8428.N1	01-APR-2011 07:34:22	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	47506	No
103	GOM_TRA_1PNPDK20110401_074347_000000373101_00078_47506_8429.N1	01-APR-2011 07:43:47	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	47506	No
104	GOM_TRA_1PNPDK20110401_074841_000000463101_00078_47506_8430.N1	01-APR-2011 07:48:41	Bright	46.000	144	18Del Cyg	2.8600	11000.	92	47506	No
105	GOM_TRA_1PNPDK20110401_075036_000000453101_00078_47506_8431.N1	01-APR-2011 07:50:36	Bright	44.500	66	37Gam Cyg	2.2080	5900.0	89	47506	No
106	GOM_TRA_1PNPDK20110401_075238_000000443101_00078_47506_8432.N1	01-APR-2011 07:52:38	Bright	43.500	92	53Eps Cyg	2.5000	4500.0	87	47506	No
107	GOM_TRA_1PNPDK20110401_075912_000000543101_00078_47506_8433.N1	01-APR-2011 07:59:12	Bright	54.000	61	8Eps Peg	2.1000	3900.0	108	47506	No
108	GOM_TRA_1PNPDK20110401_080348_000000443101_00078_47506_8434.N1	01-APR-2011 08:03:48	Dark	43.500	154	22Bet Aqr	2.8990	5700.0	87	47506	No
109	GOM_TRA_1PNPDK20110401_081701_000000423101_00078_47506_8435.N1	01-APR-2011 08:17:01	Dark	42.000	57	34Sig Sgr	2.0660	26000.	84	47506	No
110	GOM_TRA_1PNPDK20110401_082034_000000563101_00079_47507_8436.N1	01-APR-2011 08:20:34	Dark	56.000	38	20Eps Sgr	1.8360	11000.	112	47507	No
111	GOM_TRA_1PNPDK20110401_082419_000000523101_00079_47507_8437.N1	01-APR-2011 08:24:19	Dark	52.000	40	The Sco	1.8590	7100.0	104	47507	No
112	GOM_TRA_1PNPDK20110401_082754_000000403101_00079_47507_8438.N1	01-APR-2011 08:27:54	Dark	40.000	134	Bet TrA	2.8100	6600.0	80	47507	No
113	GOM_TRA_1PNPDK20110401_083031_000000483101_00079_47507_8439.N1	01-APR-2011 08:30:31	Dark	48.000	4	Alp1Cen	-0.010000	5800.0	96	47507	No
114	GOM_TRA_1PNPDK20110401_083317_000000483101_00079_47507_8440.N1	01-APR-2011 08:33:17	Straylight	47.500	78	Alp Lup	2.3040	28000.	95	47507	No
115	GOM_TRA_1PNPDK20110401_083452_000000513101_00079_47507_8441.N1	01-APR-2011 08:34:52	Straylight	51.000	81	Eta Cen	2.3560	28000.	102	47507	No
116	GOM_TRA_1PNPDK20110401_083735_000000563101_00079_47507_8442.N1	01-APR-2011 08:37:35	Straylight	56.000	54	5The Cen	2.0550	4500.0	112	47507	No
117	GOM_TRA_1PNPDK20110401_084331_000000493101_00079_47507_8443.N1	01-APR-2011 08:43:31	Tw_i_and_stray	48.500	106	9Bet Crv	2.6480	5600.0	97	47507	No
118	GOM_TRA_1PNPDK20110401_084528_000000453101_00079_47507_8444.N1	01-APR-2011 08:45:28	Tw_i_and_stray	45.000	100	4Gam Crv	2.5800	13100.	90	47507	No
119	GOM_TRA_1PNPDK20110401_084715_000000653101_00079_47507_8445.N1	01-APR-2011 08:47:15	Bright	64.500	15	67Alp Vir	0.97600	28000.	129	47507	No
120	GOM_TRA_1PNPDK20110401_085028_000000443101_00079_47507_8445.N1	01-APR-2011 08:50:28	Bright	43.500	121	29Gam Vir	2.7400	7200.0	87	47507	No
121	GOM_TRA_1PNPDK20110401_085505_000000403101_00079_47507_8456.N1	01-APR-2011 08:55:05	Bright	40.000	62	94Bet Leo	2.1360	9700.0	80	47507	No
122	GOM_TRA_1PNPDK20110401_090330_000000373101_00079_47507_8457.N1	01-APR-2011 09:03:30	Bright	37.000	174	52Psi UMa	3.0040	4400.0	74	47507	No
123	GOM_TRA_1PNPDK20110401_090629_000000383101_00079_47507_8458.N1	01-APR-2011 09:06:29	Bright	38.000	87	64Gam UMa	2.4330	11000.	76	47507	No
124	GOM_TRA_1PNPDK20110401_090817_000000423101_00079_47507_8459.N1	01-APR-2011 09:08:17	Bright	41.500	32	77Eps UMa	1.7630	11000.	83	47507	No
125	GOM_TRA_1PNPDK20110401_091435_000000403101_00079_47507_8460.N1	01-APR-2011 09:14:35	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47507	No
126	GOM_TRA_1PNPDK20110401_092401_000000383101_00079_47507_8461.N1	01-APR-2011 09:24:01	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	47507	No
127	GOM_TRA_1PNPDK20110401_092855_000000463101_00079_47507_8462.N1	01-APR-2011 09:28:55	Bright	46.000	144	18Del Cyg	2.8600	11000.	92	47507	No
128	GOM_TRA_1PNPDK20110401_093050_000000453101_00079_47507_8463.N1	01-APR-2011 09:30:50	Bright	45.000	66	37Gam Cyg	2.2080	5900.0	90	47507	No
129	GOM_TRA_1PNPDK20110401_093253_000000433101_00079_47507_8464.N1	01-APR-2011 09:32:53	Bright	42.500	92	53Eps Cyg	2.5000	4500.0	85	47507	No
130	GOM_TRA_1PNPDK20110401_093927_000000463101_00079_47507_8465.N1	01-APR-2011 09:39:27	Tw_i_and_stray	45.500	61	8Eps Peg	2.1000	3900.0	91	47507	No
131	GOM_TRA_1PNPDK20110401_094402_000000453101_00079_47507_8466.N1	01-APR-2011 09:44:02	Dark	45.000	154	22Bet Aqr	2.8990	5700.0	90	47507	No
132	GOM_TRA_1PNPDK20110401_095716_000000423101_00079_47507_8467.N1	01-APR-2011 09:57:16	Dark	42.000	57	34Sig Sgr	2.0660	26000.	84	47507	No
133	GOM_TRA_1PNPDK20110401_100049_000000563101_00080_47508_8468.N1	01-APR-2011 10:00:49	Dark	56.000	38	20Eps Sgr	1.8360	11000.	112	47508	No
134	GOM_TRA_1PNPDK20110401_100434_000000563101_00080_47508_8469.N1	01-APR-2011 10:04:34	Dark	55.500	40	The Sco	1.8590	7100.0	111	47508	No
135	GOM_TRA_1PNPDK20110401_100808_000000403101_00080_47508_8470.N1	01-APR-2011 10:08:08	Dark	40.000	134	Bet TrA	2.8100	6600.0	80	47508	No
136	GOM_TRA_1PNPDK20110401_101046_000000543101_00080_47508_8471.N1	01-APR-2011 10:10:46	Dark	54.000	4	Alp1Cen	-0.010000	5800.0	108	47508	No
137	GOM_TRA_1PNPDK20110401_101331_000000463101_00080_47508_8472.N1	01-APR-2011 10:13:31	Straylight	45.500	78	Alp Lup	2.3040	28000.	91	47508	No
138	GOM_TRA_1PNPDK20110401_101507_000000473101_00080_47508_8473.N1	01-APR-2011 10:15:07	Straylight	46.500	81	Eta Cen	2.3560	28000.	93	47508	No
139	GOM_TRA_1PNPDK20110401_101749_000000563101_00080_47508_8474.N1	01-APR-2011 10:17:49	Straylight	56.000	54	5The Cen	2.0550	4500.0	112	47508	No
140	GOM_TRA_1PNPDK20110401_102345_000000473101_00080_47508_8475.N1	01-APR-2011 10:23:45	Tw_i_and_stray	47.000	106	9Bet Crv	2.6480	5600.0	94	47508	No
141	GOM_TRA_1PNPDK20110401_102542_000000443101_00080_47508_8476.N1	01-APR-2011 10:25:42	Tw_i_and_stray	44.000	100	4Gam Crv	2.5800	13100.	88	47508	No
142	GOM_TRA_1PNPDK20110401_102728_000000703101_00080_47508_8514.N1	01-APR-2011 10:27:28	Bright	70.000	15	67Alp Vir	0.97600	28000.	140	47508	Yes
143	GOM_TRA_1PNPDK20110401_103042_000000443101_00080_47508_8515.N1	01-APR-2011 10:30:42	Bright	44.000	121	29Gam Vir	2.7400	7200.0	88	47508	No
144	GOM_TRA_1PNPDK20110401_103519_000000383101_00080_47508_8516.N1	01-APR-2011 10:35:19	Bright	38.000	62	94Bet Leo	2.1360	9700.0	76	47508	No
145	GOM_TRA_1PNPDK20110401_104343_000000513101_00080_47508_8517.N1	01-APR-2011 10:43:43	Bright	50.500	174	52Psi UMa	3.0040	4400.0	101	47508	No
146	GOM_TRA_1PNPDK20110401_104643_000000393101_00080_47508_8518.N1	01-APR-2011 10:46:43	Bright	39.000	87	64Gam UMa	2.4330	11000.	78	47508	No
147	GOM_TRA_1PNPDK20110401_104830_000000423101_00080_47508_8519.N1	01-APR-2011 10:48:30	Bright	41.500	32	77Eps UMa	1.7630	11000.	83	47508	No
148	GOM_TRA_1PNPDK20110401_105449_000000393101_00080_47508_8520.N1	01-APR-2011 10:54:49	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	47508	No



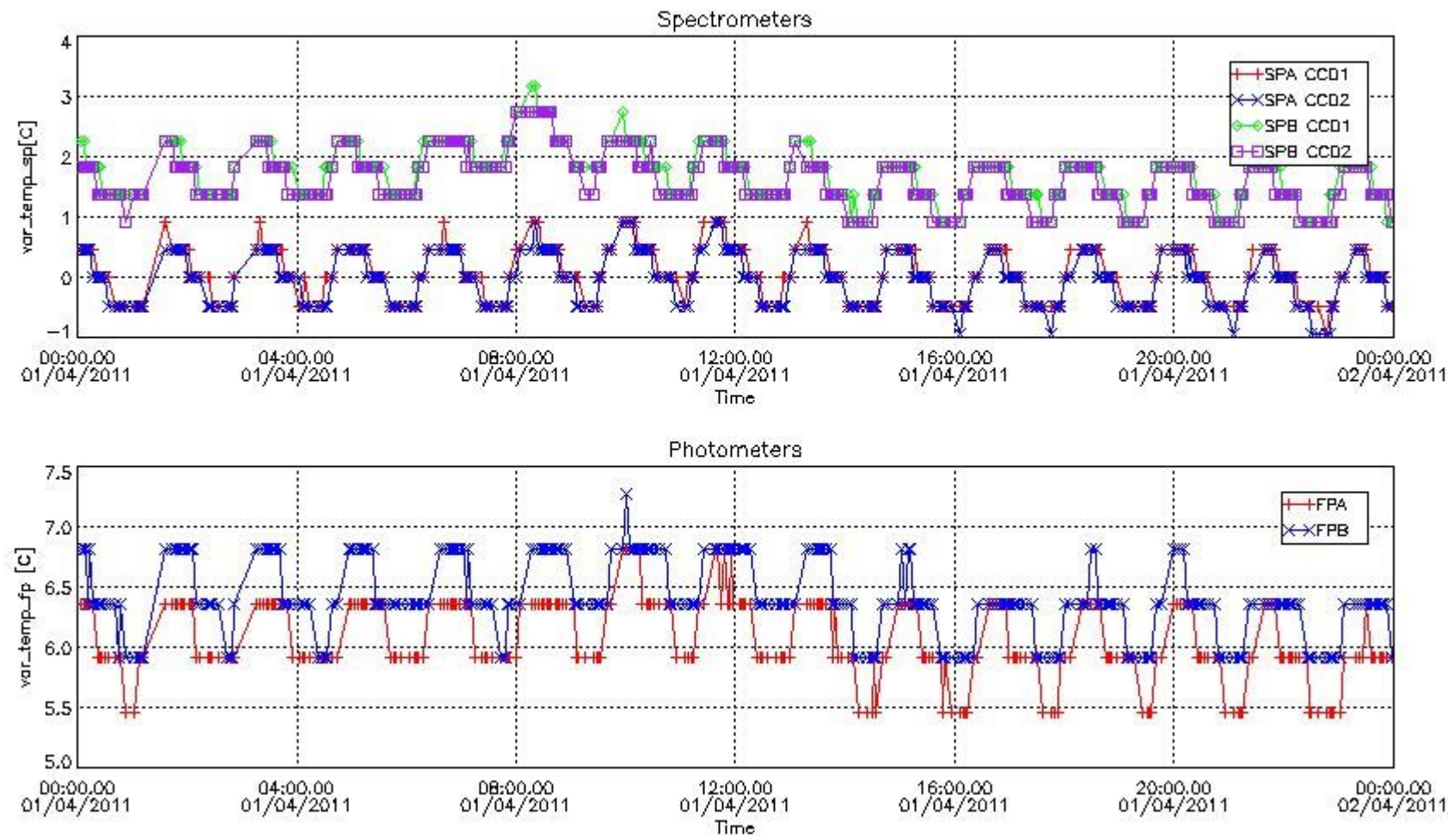
149	GOM_TRA_1PNPDK20110401_110415_000000553101_00080_47508_8521.N1	01-APR-2011 11:04:15	Bright	55.000	89	5Alp Cep	2.4510	8000.0	110	47508	No
150	GOM_TRA_1PNPDK20110401_110908_000000603101_00080_47508_8522.N1	01-APR-2011 11:09:08	Bright	59.500	144	18Del Cyg	2.8600	11000.	119	47508	No
151	GOM_TRA_1PNPDK20110401_111104_000000453101_00080_47508_8523.N1	01-APR-2011 11:11:04	Bright	45.000	66	37Gam Cyg	2.2080	5900.0	90	47508	No
152	GOM_TRA_1PNPDK20110401_111306_000000433101_00080_47508_8524.N1	01-APR-2011 11:13:06	Bright	42.500	92	53Eps Cyg	2.5000	4500.0	85	47508	No
153	GOM_TRA_1PNPDK20110401_111941_000000473101_00080_47508_8525.N1	01-APR-2011 11:19:41	Tw_i_and_stray	47.000	61	8Eps Peg	2.1000	3900.0	94	47508	No
154	GOM_TRA_1PNPDK20110401_112416_000000463101_00080_47508_8526.N1	01-APR-2011 11:24:16	Dark	45.500	154	22Bet Aqr	2.8990	5700.0	91	47508	No
155	GOM_TRA_1PNPDK20110401_113732_000000373101_00080_47508_8527.N1	01-APR-2011 11:37:32	Dark	37.000	57	34Sig Sgr	2.0660	26000.	74	47508	No
156	GOM_TRA_1PNPDK20110401_114105_000000583101_00081_47509_8528.N1	01-APR-2011 11:41:05	Dark	57.500	38	20Eps Sgr	1.8360	11000.	115	47509	No
157	GOM_TRA_1PNPDK20110401_114449_000000523101_00081_47509_8529.N1	01-APR-2011 11:44:49	Dark	52.000	40	The Sco	1.8590	7100.0	104	47509	No
158	GOM_TRA_1PNPDK20110401_114823_000000403101_00081_47509_8530.N1	01-APR-2011 11:48:23	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	47509	No
159	GOM_TRA_1PNPDK20110401_115100_000000523101_00081_47509_8531.N1	01-APR-2011 11:51:00	Dark	52.000	4	Alp1Cen	-0.010000	5800.0	104	47509	No
160	GOM_TRA_1PNPDK20110401_115346_000000433101_00081_47509_8532.N1	01-APR-2011 11:53:46	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	47509	No
161	GOM_TRA_1PNPDK20110401_115522_000000483101_00081_47509_8533.N1	01-APR-2011 11:55:22	Straylight	48.000	81	Eta Cen	2.3560	28000.	96	47509	No
162	GOM_TRA_1PNPDK20110401_115804_000000543101_00081_47509_8534.N1	01-APR-2011 11:58:04	Straylight	54.000	54	5The Cen	2.0550	4500.0	108	47509	No
163	GOM_TRA_1PNPDK20110401_120359_000000483101_00081_47509_8535.N1	01-APR-2011 12:03:59	Tw_i_and_stray	47.500	106	9Bet Crv	2.6480	5600.0	95	47509	No
164	GOM_TRA_1PNPDK20110401_120556_000000443101_00081_47509_8536.N1	01-APR-2011 12:05:56	Tw_i_and_stray	44.000	100	4Gam Crv	2.5800	13100.	88	47509	No
165	GOM_TRA_1PNPDK20110401_120742_000000633101_00081_47509_8541.N1	01-APR-2011 12:07:42	Bright	63.000	15	67Alp Vir	0.97600	28000.	126	47509	No
166	GOM_TRA_1PNPDK20110401_121056_000000443101_00081_47509_8542.N1	01-APR-2011 12:10:56	Bright	44.000	121	29Gam Vir	2.7400	7200.0	88	47509	No
167	GOM_TRA_1PNPDK20110401_121533_000000393101_00081_47509_8543.N1	01-APR-2011 12:15:33	Bright	38.500	62	94Bet Leo	2.1360	9700.0	77	47509	No
168	GOM_TRA_1PNPDK20110401_122357_000000383101_00081_47509_8544.N1	01-APR-2011 12:23:57	Bright	38.000	174	52Psi UMa	3.0040	4400.0	76	47509	No
169	GOM_TRA_1PNPDK20110401_122656_000000383101_00081_47509_8545.N1	01-APR-2011 12:26:56	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	47509	No
170	GOM_TRA_1PNPDK20110401_122844_000000433101_00081_47509_8546.N1	01-APR-2011 12:28:44	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	47509	No
171	GOM_TRA_1PNPDK20110401_123502_000000583101_00081_47509_8547.N1	01-APR-2011 12:35:02	Bright	58.000	60	7Bet UMi	2.0810	3950.0	116	47509	No
172	GOM_TRA_1PNPDK20110401_124429_000000353101_00081_47509_8548.N1	01-APR-2011 12:44:29	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	47509	No
173	GOM_TRA_1PNPDK20110401_124922_000000483101_00081_47509_8549.N1	01-APR-2011 12:49:22	Bright	47.500	144	18Del Cyg	2.8600	11000.	95	47509	No
174	GOM_TRA_1PNPDK20110401_125118_000000453101_00081_47509_8550.N1	01-APR-2011 12:51:18	Bright	45.000	66	37Gam Cyg	2.2080	5900.0	90	47509	No
175	GOM_TRA_1PNPDK20110401_125321_000000423101_00081_47509_8602.N1	01-APR-2011 12:53:21	Bright	42.000	92	53Eps Cyg	2.5000	4500.0	84	47509	No
176	GOM_TRA_1PNPDK20110401_125955_000000433101_00081_47509_8603.N1	01-APR-2011 12:59:55	Tw_i_and_stray	42.500	61	8Eps Peg	2.1000	3900.0	85	47509	No
177	GOM_TRA_1PNPDK20110401_130430_000000443101_00081_47509_8604.N1	01-APR-2011 13:04:30	Dark	43.500	154	22Bet Aqr	2.8990	5700.0	87	47509	No
178	GOM_TRA_1PNPDK20110401_131747_000000373101_00081_47509_8605.N1	01-APR-2011 13:17:47	Dark	37.000	57	34Sig Sgr	2.0660	26000.	74	47509	No
179	GOM_TRA_1PNPDK20110401_132120_000000553101_00082_47510_8606.N1	01-APR-2011 13:21:20	Dark	55.000	38	20Eps Sgr	1.8360	11000.	110	47510	No
180	GOM_TRA_1PNPDK20110401_132504_000000533101_00082_47510_8607.N1	01-APR-2011 13:25:04	Dark	53.000	40	The Sco	1.8590	7100.0	106	47510	No
181	GOM_TRA_1PNPDK20110401_132837_000000393101_00082_47510_8608.N1	01-APR-2011 13:28:37	Dark	39.000	134	Bet TrA	2.8100	6600.0	78	47510	No
182	GOM_TRA_1PNPDK20110401_133115_000000423101_00082_47510_8609.N1	01-APR-2011 13:31:15	Dark	42.000	4	Alp1Cen	-0.010000	5800.0	84	47510	No
183	GOM_TRA_1PNPDK20110401_133400_000000433101_00082_47510_8610.N1	01-APR-2011 13:34:00	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	47510	No
184	GOM_TRA_1PNPDK20110401_133536_000000473101_00082_47510_8611.N1	01-APR-2011 13:35:36	Straylight	47.000	81	Eta Cen	2.3560	28000.	94	47510	No
185	GOM_TRA_1PNPDK20110401_133818_000000563101_00082_47510_8612.N1	01-APR-2011 13:38:18	Straylight	55.500	54	5The Cen	2.0550	4500.0	111	47510	No
186	GOM_TRA_1PNPDK20110401_134413_000000473101_00082_47510_8613.N1	01-APR-2011 13:44:13	Tw_i_and_stray	47.000	106	9Bet Crv	2.6480	5600.0	94	47510	No
187	GOM_TRA_1PNPDK20110401_134610_000000463101_00082_47510_8624.N1	01-APR-2011 13:46:10	Tw_i_and_stray	45.500	100	4Gam Crv	2.5800	13100.	91	47510	No
188	GOM_TRA_1PNPDK20110401_134756_000000703101_00082_47510_8625.N1	01-APR-2011 13:47:56	Bright	70.000	15	67Alp Vir	0.97600	28000.	140	47510	No
189	GOM_TRA_1PNPDK20110401_135110_000000443101_00082_47510_8626.N1	01-APR-2011 13:51:10	Bright	43.500	121	29Gam Vir	2.7400	7200.0	87	47510	No
190	GOM_TRA_1PNPDK20110401_135547_000000393101_00082_47510_8627.N1	01-APR-2011 13:55:47	Bright	39.000	62	94Bet Leo	2.1360	9700.0	78	47510	No
191	GOM_TRA_1PNPDK20110401_140411_000000533101_00082_47510_8628.N1	01-APR-2011 14:04:11	Bright	53.000	174	52Psi UMa	3.0040	4400.0	106	47510	No
192	GOM_TRA_1PNPDK20110401_140710_000000373101_00082_47510_8629.N1	01-APR-2011 14:07:10	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	47510	No
193	GOM_TRA_1PNPDK20110401_140858_000000433101_00082_47510_8630.N1	01-APR-2011 14:08:58	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	47510	No
194	GOM_TRA_1PNPDK20110401_141516_000000413101_00082_47510_8631.N1	01-APR-2011 14:15:16	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47510	No
195	GOM_TRA_1PNPDK20110401_142442_000000553101_00082_47510_8823.N1	01-APR-2011 14:24:42	Bright	55.000	89	5Alp Cep	2.4510	8000.0	110	47510	No
196	GOM_TRA_1PNPDK20110401_142936_000000513101_00082_47510_8824.N1	01-APR-2011 14:29:36	Bright	50.500	144	18Del Cyg	2.8600	11000.	101	47510	No
197	GOM_TRA_1PNPDK20110401_143132_000000453101_00082_47510_8825.N1	01-APR-2011 14:31:32	Bright	44.500	66	37Gam Cyg	2.2080	5900.0	89	47510	No
198	GOM_TRA_1PNPDK20110401_143335_000000433101_00082_47510_8826.N1	01-APR-2011 14:33:35	Bright	43.000	92	53Eps Cyg	2.5000	4500.0	86	47510	No
199	GOM_TRA_1PNPDK20110401_144009_000000493101_00082_47510_8827.N1	01-APR-2011 14:40:09	Tw_i_and_stray	49.000	61	8Eps Peg	2.1000	3900.0	98	47510	No
200	GOM_TRA_1PNPDK20110401_144445_000000453101_00082_47510_8828.N1	01-APR-2011 14:44:45	Dark	45.000	154	22Bet Aqr	2.8990	5700.0	90	47510	No
201	GOM_TRA_1PNPDK20110401_145802_000000323101_00082_47510_8829.N1	01-APR-2011 14:58:02	Dark	32.000	57	34Sig Sgr	2.0660	26000.	64	47510	No
202	GOM_TRA_1PNPDK20110401_150135_000000563101_00083_47511_8830.N1	01-APR-2011 15:01:35	Dark	55.500	38	20Eps Sgr	1.8360	11000.	111	47511	No
203	GOM_TRA_1PNPDK20110401_150519_000000503101_00083_47511_8831.N1	01-APR-2011 15:05:19	Dark	49.500	40	The Sco	1.8590	7100.0	99	47511	No
204	GOM_TRA_1PNPDK20110401_150852_000000413101_00083_47511_8832.N1	01-APR-2011 15:08:52	Dark	40.500	134	Bet TrA	2.8100	6600.0	81	47511	No
205	GOM_TRA_1PNPDK20110401_151131_000000403101_00083_47511_8833.N1	01-APR-2011 15:11:31	Dark	40.000	4	Alp1Cen	-0.010000	5800.0	80	47511	No
206	GOM_TRA_1PNPDK20110401_151415_000000443101_00083_47511_8834.N1	01-APR-2011 15:14:15	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	47511	No
207	GOM_TRA_1PNPDK20110401_151551_000000493101_00083_47511_8835.N1	01-APR-2011 15:15:51	Straylight	48.500	81	Eta Cen	2.3560	28000.	97	47511	No

208	GOM_TRA_1PNPDK20110401_151832_000000543101_00083_47511_8836.N1	01-APR-2011 15:18:32	Straylight	53.500	54	5The Cen	2.0550	4500.0	107	47511	No
209	GOM_TRA_1PNPDK20110401_152427_000000483101_00083_47511_8655.N1	01-APR-2011 15:24:27	Twilight_stray	47.500	106	9Bet Crv	2.6480	5600.0	95	47511	No
210	GOM_TRA_1PNPDK20110401_152624_000000423101_00083_47511_8656.N1	01-APR-2011 15:26:24	Twilight_stray	41.500	100	4Gam Crv	2.5800	13100.	83	47511	No
211	GOM_TRA_1PNPDK20110401_152810_000000643101_00083_47511_8657.N1	01-APR-2011 15:28:10	Bright	64.000	15	67Alp Vir	0.97600	28000.	128	47511	No
212	GOM_TRA_1PNPDK20110401_153124_000000453101_00083_47511_8658.N1	01-APR-2011 15:31:24	Bright	44.500	121	29Gam Vir	2.7400	7200.0	89	47511	No
213	GOM_TRA_1PNPDK20110401_153601_000000393101_00083_47511_8659.N1	01-APR-2011 15:36:01	Bright	38.500	62	94Bet Leo	2.1360	9700.0	77	47511	No
214	GOM_TRA_1PNPDK20110401_154425_000000533101_00083_47511_8660.N1	01-APR-2011 15:44:25	Bright	53.000	174	52Psi UMa	3.0040	4400.0	106	47511	No
215	GOM_TRA_1PNPDK20110401_154724_000000373101_00083_47511_8661.N1	01-APR-2011 15:47:24	Bright	37.000	87	64Gam UMa	2.4330	11000.	74	47511	No
216	GOM_TRA_1PNPDK20110401_154911_000000423101_00083_47511_8662.N1	01-APR-2011 15:49:11	Bright	41.500	32	77Eps UMa	1.7630	11000.	83	47511	No
217	GOM_TRA_1PNPDK20110401_155530_000000423101_00083_47511_8663.N1	01-APR-2011 15:55:30	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	47511	No
218	GOM_TRA_1PNPDK20110401_160456_000000373101_00083_47511_8664.N1	01-APR-2011 16:04:56	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	47511	No
219	GOM_TRA_1PNPDK20110401_160950_000000453101_00083_47511_8665.N1	01-APR-2011 16:09:50	Bright	45.000	144	18Del Cyg	2.8600	11000.	90	47511	No
220	GOM_TRA_1PNPDK20110401_161145_000000463101_00083_47511_8666.N1	01-APR-2011 16:11:45	Bright	45.500	66	37Gam Cyg	2.2080	5900.0	91	47511	No
221	GOM_TRA_1PNPDK20110401_161349_000000453101_00083_47511_8667.N1	01-APR-2011 16:13:49	Bright	44.500	92	53Eps Cyg	2.5000	4500.0	89	47511	No
222	GOM_TRA_1PNPDK20110401_162023_000000493101_00083_47511_8668.N1	01-APR-2011 16:20:23	Twilight_stray	48.500	61	8Eps Peg	2.1000	3900.0	97	47511	No
223	GOM_TRA_1PNPDK20110401_162459_000000453101_00083_47511_8669.N1	01-APR-2011 16:24:59	Dark	44.500	154	22Bet Aqr	2.8990	5700.0	89	47511	No
224	GOM_TRA_1PNPDK20110401_163818_000000323101_00083_47511_8670.N1	01-APR-2011 16:38:18	Dark	32.000	57	34Sig Sgr	2.0660	26000.	64	47511	No
225	GOM_TRA_1PNPDK20110401_164151_000000583101_00084_47512_8671.N1	01-APR-2011 16:41:51	Dark	57.500	38	20Eps Sgr	1.8360	11000.	115	47512	No
226	GOM_TRA_1PNPDK20110401_164535_000000533101_00084_47512_8672.N1	01-APR-2011 16:45:35	Dark	53.000	40	The Sco	1.8590	7100.0	106	47512	No
227	GOM_TRA_1PNPDK20110401_164906_000000413101_00084_47512_8673.N1	01-APR-2011 16:49:06	Dark	41.000	134	Bet TrA	2.8100	6600.0	82	47512	No
228	GOM_TRA_1PNPDK20110401_165430_000000453101_00084_47512_8674.N1	01-APR-2011 16:54:30	Straylight	45.000	78	Alp Lup	2.3040	28000.	90	47512	No
229	GOM_TRA_1PNPDK20110401_165606_000000473101_00084_47512_8675.N1	01-APR-2011 16:56:06	Straylight	47.000	81	Eta Cen	2.3560	28000.	94	47512	No
230	GOM_TRA_1PNPDK20110401_165847_000000543101_00084_47512_8676.N1	01-APR-2011 16:58:47	Straylight	53.500	54	5The Cen	2.0550	4500.0	107	47512	No
231	GOM_TRA_1PNPDK20110401_170442_000000483101_00084_47512_8685.N1	01-APR-2011 17:04:42	Twilight_stray	47.500	106	9Bet Crv	2.6480	5600.0	95	47512	No
232	GOM_TRA_1PNPDK20110401_170639_000000433101_00084_47512_8686.N1	01-APR-2011 17:06:39	Twilight_stray	43.000	100	4Gam Crv	2.5800	13100.	86	47512	No
233	GOM_TRA_1PNPDK20110401_170824_000000693101_00084_47512_8687.N1	01-APR-2011 17:08:24	Bright	68.500	15	67Alp Vir	0.97600	28000.	137	47512	No
234	GOM_TRA_1PNPDK20110401_171138_000000453101_00084_47512_8688.N1	01-APR-2011 17:11:38	Bright	44.500	121	29Gam Vir	2.7400	7200.0	89	47512	No
235	GOM_TRA_1PNPDK20110401_171615_000000393101_00084_47512_8689.N1	01-APR-2011 17:16:15	Bright	38.500	62	94Bet Leo	2.1360	9700.0	77	47512	No
236	GOM_TRA_1PNPDK20110401_172439_000000363101_00084_47512_8690.N1	01-APR-2011 17:24:39	Bright	35.500	174	52Psi UMa	3.0040	4400.0	71	47512	No
237	GOM_TRA_1PNPDK20110401_172738_000000393101_00084_47512_8691.N1	01-APR-2011 17:27:38	Bright	38.500	87	64Gam UMa	2.4330	11000.	77	47512	No
238	GOM_TRA_1PNPDK20110401_172925_000000413101_00084_47512_8692.N1	01-APR-2011 17:29:25	Bright	41.000	32	77Eps UMa	1.7630	11000.	82	47512	No
239	GOM_TRA_1PNPDK20110401_173543_000000373101_00084_47512_8693.N1	01-APR-2011 17:35:43	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	47512	No
240	GOM_TRA_1PNPDK20110401_174510_000000373101_00084_47512_8694.N1	01-APR-2011 17:45:10	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	47512	No
241	GOM_TRA_1PNPDK20110401_175003_000000453101_00084_47512_8695.N1	01-APR-2011 17:50:03	Bright	44.500	144	18Del Cyg	2.8600	11000.	89	47512	No
242	GOM_TRA_1PNPDK20110401_175200_000000443101_00084_47512_8696.N1	01-APR-2011 17:52:00	Bright	43.500	66	37Gam Cyg	2.2080	5900.0	87	47512	No
243	GOM_TRA_1PNPDK20110401_175403_000000443101_00084_47512_8697.N1	01-APR-2011 17:54:03	Bright	43.500	92	53Eps Cyg	2.5000	4500.0	87	47512	No
244	GOM_TRA_1PNPDK20110401_180038_000000453101_00084_47512_8698.N1	01-APR-2011 18:00:38	Twilight_stray	45.000	61	8Eps Peg	2.1000	3900.0	90	47512	No
245	GOM_TRA_1PNPDK20110401_180514_000000433101_00084_47512_8699.N1	01-APR-2011 18:05:14	Dark	43.000	154	22Bet Aqr	2.8990	5700.0	86	47512	No
246	GOM_TRA_1PNPDK20110401_181833_000000273101_00084_47512_8700.N1	01-APR-2011 18:18:33	Dark	27.000	57	34Sig Sgr	2.0660	26000.	54	47512	No
247	GOM_TRA_1PNPDK20110401_182206_000000553101_00085_47513_8701.N1	01-APR-2011 18:22:06	Dark	55.000	38	20Eps Sgr	1.8360	11000.	110	47513	No
248	GOM_TRA_1PNPDK20110401_182550_000000523101_00085_47513_8702.N1	01-APR-2011 18:25:50	Dark	51.500	40	The Sco	1.8590	7100.0	103	47513	No
249	GOM_TRA_1PNPDK20110401_182921_000000403101_00085_47513_8703.N1	01-APR-2011 18:29:21	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	47513	No
250	GOM_TRA_1PNPDK20110401_183444_000000453101_00085_47513_8704.N1	01-APR-2011 18:34:44	Straylight	45.000	78	Alp Lup	2.3040	28000.	90	47513	No
251	GOM_TRA_1PNPDK20110401_183620_000000493101_00085_47513_8705.N1	01-APR-2011 18:36:20	Straylight	48.500	81	Eta Cen	2.3560	28000.	97	47513	No
252	GOM_TRA_1PNPDK20110401_183902_000000523101_00085_47513_8716.N1	01-APR-2011 18:39:02	Straylight	52.000	54	5The Cen	2.0550	4500.0	104	47513	No
253	GOM_TRA_1PNPDK20110401_184456_000000473101_00085_47513_8717.N1	01-APR-2011 18:44:56	Twilight_stray	46.500	106	9Bet Crv	2.6480	5600.0	93	47513	No
254	GOM_TRA_1PNPDK20110401_184653_000000443101_00085_47513_8718.N1	01-APR-2011 18:46:53	Twilight_stray	44.000	100	4Gam Crv	2.5800	13100.	88	47513	No
255	GOM_TRA_1PNPDK20110401_184838_000000653101_00085_47513_8719.N1	01-APR-2011 18:48:38	Bright	65.000	15	67Alp Vir	0.97600	28000.	130	47513	No
256	GOM_TRA_1PNPDK20110401_185152_000000453101_00085_47513_8720.N1	01-APR-2011 18:51:52	Bright	44.500	121	29Gam Vir	2.7400	7200.0	89	47513	No
257	GOM_TRA_1PNPDK20110401_185629_000000393101_00085_47513_8721.N1	01-APR-2011 18:56:29	Bright	38.500	62	94Bet Leo	2.1360	9700.0	77	47513	No
258	GOM_TRA_1PNPDK20110401_190453_000000383101_00085_47513_8722.N1	01-APR-2011 19:04:53	Bright	38.000	174	52Psi UMa	3.0040	4400.0	76	47513	No
259	GOM_TRA_1PNPDK20110401_190752_000000553101_00085_47513_8723.N1	01-APR-2011 19:07:52	Bright	55.000	87	64Gam UMa	2.4330	11000.	110	47513	No
260	GOM_TRA_1PNPDK20110401_190938_000000433101_00085_47513_8724.N1	01-APR-2011 19:09:38	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	47513	No
261	GOM_TRA_1PNPDK20110401_191557_000000423101_00085_47513_8725.N1	01-APR-2011 19:15:57	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	47513	No
262	GOM_TRA_1PNPDK20110401_192524_000000383101_00085_47513_8726.N1	01-APR-2011 19:25:24	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	47513	No
263	GOM_TRA_1PNPDK20110401_193018_000000473101_00085_47513_8727.N1	01-APR-2011 19:30:18	Bright	46.500	144	18Del Cyg	2.8600	11000.	93	47513	No
264	GOM_TRA_1PNPDK20110401_193214_000000453101_00085_47513_8728.N1	01-APR-2011 19:32:14	Bright	44.500	66	37Gam Cyg	2.2080	5900.0	89	47513	No
265	GOM_TRA_1PNPDK20110401_193417_000000433101_00085_47513_8729.N1	01-APR-2011 19:34:17	Bright	43.000	92	53Eps Cyg	2.5000	4500.0	86	47513	No
266	GOM_TRA_1PNPDK20110401_194052_000000503101_00085_47513_8730.N1	01-APR-2011 19:40:52	Twilight_stray	49.500	61	8Eps Peg	2.1000	3900.0	99	47513	No

267	GOM_TRA_1PNPDK20110401_194528_000000443101_00085_47513_8731.N1	01-APR-2011 19:45:28	Dark	44.000	154	22Bet Aqr	2.8990	5700.0	88	47513	No
268	GOM_TRA_1PNPDK20110401_195848_000000273101_00085_47513_8732.N1	01-APR-2011 19:58:48	Dark	27.000	57	34Sig Sgr	2.0660	26000.	54	47513	No
269	GOM_TRA_1PNPDK20110401_200221_000000553101_00086_47514_8733.N1	01-APR-2011 20:02:21	Dark	55.000	38	20Eps Sgr	1.8360	11000.	110	47514	No
270	GOM_TRA_1PNPDK20110401_200605_000000523101_00086_47514_8734.N1	01-APR-2011 20:06:05	Dark	52.000	40	The Sco	1.8590	7100.0	104	47514	No
271	GOM_TRA_1PNPDK20110401_200935_000000413101_00086_47514_8735.N1	01-APR-2011 20:09:35	Dark	40.500	134	Bet TrA	2.8100	6600.0	81	47514	No
272	GOM_TRA_1PNPDE20110401_201459_000000473101_00086_47514_2225.N1	01-APR-2011 20:14:59	Straylight	46.500	78	Alp Lup	2.3040	28000.	93	47514	No
273	GOM_TRA_1PNPDE20110401_201635_000000473101_00086_47514_2226.N1	01-APR-2011 20:16:35	Straylight	47.000	81	Eta Cen	2.3560	28000.	94	47514	No
274	GOM_TRA_1PNPDE20110401_201916_000000533101_00086_47514_2227.N1	01-APR-2011 20:19:16	Straylight	52.500	54	5The Cen	2.0550	4500.0	105	47514	No
275	GOM_TRA_1PNPDE20110401_202510_000000473101_00086_47514_2228.N1	01-APR-2011 20:25:10	Tw_i_and_stray	46.500	106	9Bet Crv	2.6480	5600.0	93	47514	No
276	GOM_TRA_1PNPDE20110401_202707_000000453101_00086_47514_2229.N1	01-APR-2011 20:27:07	Tw_i_and_stray	44.500	100	4Gam Crv	2.5800	13100.	89	47514	No
277	GOM_TRA_1PNPDE20110401_202853_000000653101_00086_47514_2230.N1	01-APR-2011 20:28:53	Bright	64.500	15	67Alp Vir	0.97600	28000.	129	47514	No
278	GOM_TRA_1PNPDE20110401_203206_000000423101_00086_47514_2231.N1	01-APR-2011 20:32:06	Bright	42.000	121	29Gam Vir	2.7400	7200.0	84	47514	No
279	GOM_TRA_1PNPDE20110401_203643_000000393101_00086_47514_2232.N1	01-APR-2011 20:36:43	Bright	38.500	62	94Bet Leo	2.1360	9700.0	77	47514	No
280	GOM_TRA_1PNPDE20110401_204507_000000353101_00086_47514_2233.N1	01-APR-2011 20:45:07	Bright	34.500	174	52Psi UMa	3.0040	4400.0	69	47514	No
281	GOM_TRA_1PNPDE20110401_204805_000000553101_00086_47514_2234.N1	01-APR-2011 20:48:05	Bright	55.000	87	64Gam UMa	2.4330	11000.	110	47514	No
282	GOM_TRA_1PNPDE20110401_204952_000000423101_00086_47514_2235.N1	01-APR-2011 20:49:52	Bright	41.500	32	77Eps UMa	1.7630	11000.	83	47514	No
283	GOM_TRA_1PNPDE20110401_205611_000000433101_00086_47514_2236.N1	01-APR-2011 20:56:11	Bright	42.500	60	7Bet UMi	2.0810	3950.0	85	47514	No
284	GOM_TRA_1PNPDE20110401_210538_000000353101_00086_47514_2237.N1	01-APR-2011 21:05:38	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	47514	No
285	GOM_TRA_1PNPDE20110401_211031_000000513101_00086_47514_2238.N1	01-APR-2011 21:10:31	Bright	51.000	144	18Del Cyg	2.8600	11000.	102	47514	No
286	GOM_TRA_1PNPDE20110401_211228_000000463101_00086_47514_2239.N1	01-APR-2011 21:12:28	Bright	45.500	66	37Gam Cyg	2.2080	5900.0	91	47514	No
287	GOM_TRA_1PNPDE20110401_211431_000000453101_00086_47514_2240.N1	01-APR-2011 21:14:31	Bright	44.500	92	53Eps Cyg	2.5000	4500.0	89	47514	No
288	GOM_TRA_1PNPDE20110401_212106_000000463101_00086_47514_2241.N1	01-APR-2011 21:21:06	Tw_i_and_stray	45.500	61	8Eps Peg	2.1000	3900.0	91	47514	No
289	GOM_TRA_1PNPDE20110401_212542_000000443101_00086_47514_2242.N1	01-APR-2011 21:25:42	Dark	44.000	154	22Bet Aqr	2.8990	5700.0	88	47514	No
290	GOM_TRA_1PNPDE20110401_213904_000000543101_00086_47514_2244.N1	01-APR-2011 21:39:04	Dark	54.000	103	38Zet Sgr	2.6000	9700.0	108	47514	No
291	GOM_TRA_1PNPDE20110401_214237_000000573101_00087_47515_2245.N1	01-APR-2011 21:42:37	Dark	56.500	38	20Eps Sgr	1.8360	11000.	113	47515	No
292	GOM_TRA_1PNPDE20110401_214620_000000543101_00087_47515_2246.N1	01-APR-2011 21:46:20	Dark	53.500	40	The Sco	1.8590	7100.0	107	47515	No
293	GOM_TRA_1PNPDE20110401_214950_000000423101_00087_47515_2247.N1	01-APR-2011 21:49:50	Dark	41.500	134	Bet TrA	2.8100	6600.0	83	47515	No
294	GOM_TRA_1PNPDE20110401_215513_000000503101_00087_47515_2248.N1	01-APR-2011 21:55:13	Straylight	49.500	78	Alp Lup	2.3040	28000.	99	47515	No
295	GOM_TRA_1PNPDE20110401_215649_000000483101_00087_47515_2249.N1	01-APR-2011 21:56:49	Straylight	48.000	81	Eta Cen	2.3560	28000.	96	47515	No
296	GOM_TRA_1PNPDE20110401_215931_000000543101_00087_47515_2250.N1	01-APR-2011 21:59:31	Straylight	53.500	54	5The Cen	2.0550	4500.0	107	47515	No
297	GOM_TRA_1PNPDE20110401_220524_000000453101_00087_47515_2251.N1	01-APR-2011 22:05:24	Tw_i_and_stray	44.500	106	9Bet Crv	2.6480	5600.0	89	47515	No
298	GOM_TRA_1PNPDE20110401_220721_000000433101_00087_47515_2252.N1	01-APR-2011 22:07:21	Tw_i_and_stray	42.500	100	4Gam Crv	2.5800	13100.	85	47515	No
299	GOM_TRA_1PNPDE20110401_220906_000000653101_00087_47515_2253.N1	01-APR-2011 22:09:06	Bright	64.500	15	67Alp Vir	0.97600	28000.	129	47515	No
300	GOM_TRA_1PNPDE20110401_221219_000000443101_00087_47515_2254.N1	01-APR-2011 22:12:19	Bright	44.000	121	29Gam Vir	2.7400	7200.0	88	47515	No
301	GOM_TRA_1PNPDE20110401_221657_000000393101_00087_47515_2255.N1	01-APR-2011 22:16:57	Bright	38.500	62	94Bet Leo	2.1360	9700.0	77	47515	No
302	GOM_TRA_1PNPDE20110401_222521_000000533101_00087_47515_2256.N1	01-APR-2011 22:25:21	Bright	53.000	174	52Psi UMa	3.0040	4400.0	106	47515	No
303	GOM_TRA_1PNPDE20110401_222819_000000373101_00087_47515_2257.N1	01-APR-2011 22:28:19	Bright	37.000	87	64Gam UMa	2.4330	11000.	74	47515	No
304	GOM_TRA_1PNPDE20110401_223005_000000413101_00087_47515_2258.N1	01-APR-2011 22:30:05	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	47515	No
305	GOM_TRA_1PNPDE20110401_223624_000000373101_00087_47515_2259.N1	01-APR-2011 22:36:24	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	47515	No
306	GOM_TRA_1PNPDE20110401_224552_000000383101_00087_47515_2260.N1	01-APR-2011 22:45:52	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	47515	No
307	GOM_TRA_1PNPDE20110401_225045_000000473101_00087_47515_2261.N1	01-APR-2011 22:50:45	Bright	46.500	144	18Del Cyg	2.8600	11000.	93	47515	No
308	GOM_TRA_1PNPDE20110401_225242_000000463101_00087_47515_2262.N1	01-APR-2011 22:52:42	Bright	45.500	66	37Gam Cyg	2.2080	5900.0	91	47515	No
309	GOM_TRA_1PNPDE20110401_225445_000000453101_00087_47515_2263.N1	01-APR-2011 22:54:45	Bright	44.500	92	53Eps Cyg	2.5000	4500.0	89	47515	No
310	GOM_TRA_1PNPDE20110401_230121_000000443101_00087_47515_2264.N1	01-APR-2011 23:01:21	Tw_i_and_stray	44.000	61	8Eps Peg	2.1000	3900.0	88	47515	No
311	GOM_TRA_1PNPDE20110401_230557_000000463101_00087_47515_2265.N1	01-APR-2011 23:05:57	Dark	45.500	154	22Bet Aqr	2.8990	5700.0	91	47515	No
312	GOM_TRA_1PNPDE20110401_231919_000000523101_00087_47515_2265.N1	01-APR-2011 23:19:19	Dark	51.500	103	38Zet Sgr	2.6000	9700.0	103	47515	No
313	GOM_TRA_1PNPDE20110401_232252_000000583101_00088_47516_2266.N1	01-APR-2011 23:22:52	Dark	57.500	38	20Eps Sgr	1.8360	11000.	115	47516	No
314	GOM_TRA_1PNPDE20110401_232635_000000533101_00088_47516_2267.N1	01-APR-2011 23:26:35	Dark	53.000	40	The Sco	1.8590	7100.0	106	47516	No
315	GOM_TRA_1PNPDE20110401_233004_000000403101_00088_47516_2268.N1	01-APR-2011 23:30:04	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	47516	No
316	GOM_TRA_1PNPDE20110401_233528_000000443101_00088_47516_2269.N1	01-APR-2011 23:35:28	Straylight	44.000	78	Alp Lup	2.3040	28000.	88	47516	No
317	GOM_TRA_1PNPDE20110401_233704_000000493101_00088_47516_2270.N1	01-APR-2011 23:37:04	Straylight	49.000	81	Eta Cen	2.3560	28000.	98	47516	No
318	GOM_TRA_1PNPDE20110401_233945_000000543101_00088_47516_2271.N1	01-APR-2011 23:39:45	Straylight	54.000	54	5The Cen	2.0550	4500.0	108	47516	No
319	GOM_TRA_1PNPDE20110401_234538_000000473101_00088_47516_2272.N1	01-APR-2011 23:45:38	Tw_i_and_stray	47.000	106	9Bet Crv	2.6480	5600.0	94	47516	No
320	GOM_TRA_1PNPDE20110401_234735_000000453101_00088_47516_2273.N1	01-APR-2011 23:47:35	Tw_i_and_stray	45.000	100	4Gam Crv	2.5800	13100.	90	47516	No
321	GOM_TRA_1PNPDE20110401_234920_000000633101_00088_47516_2274.N1	01-APR-2011 23:49:20	Bright	62.500	15	67Alp Vir	0.97600	28000.	125	47516	No
322	GOM_TRA_1PNPDE20110401_235233_000000443101_00088_47516_2275.N1	01-APR-2011 23:52:33	Bright	44.000	121	29Gam Vir	2.7400	7200.0	88	47516	No
323	GOM_TRA_1PNPDE20110401_235710_000000393101_00088_47516_2276.N1	01-APR-2011 23:57:10	Bright	38.500	62	94Bet Leo	2.1360	9700.0	77	47516	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.

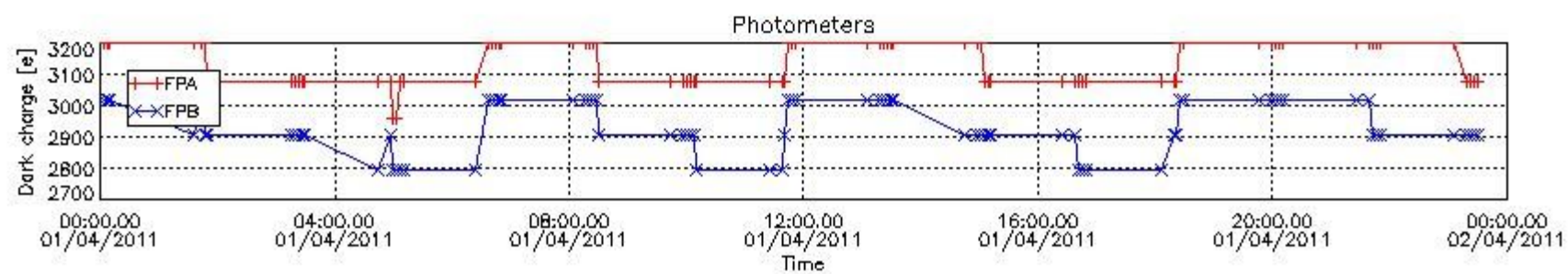
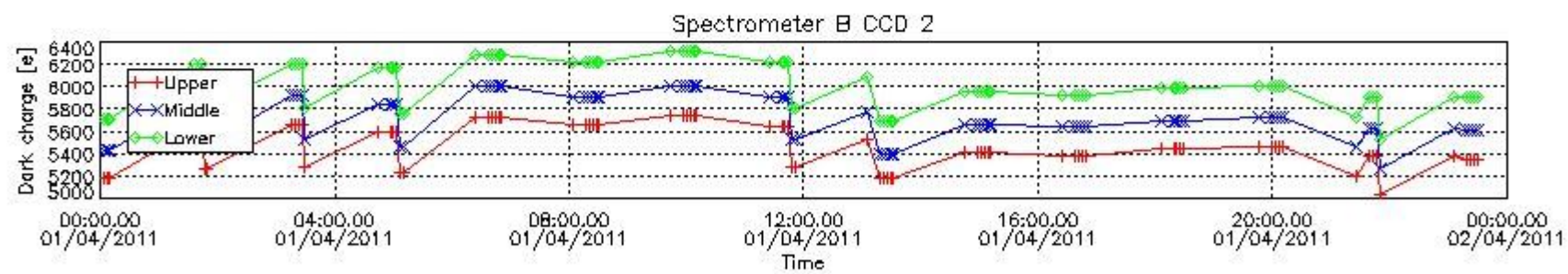
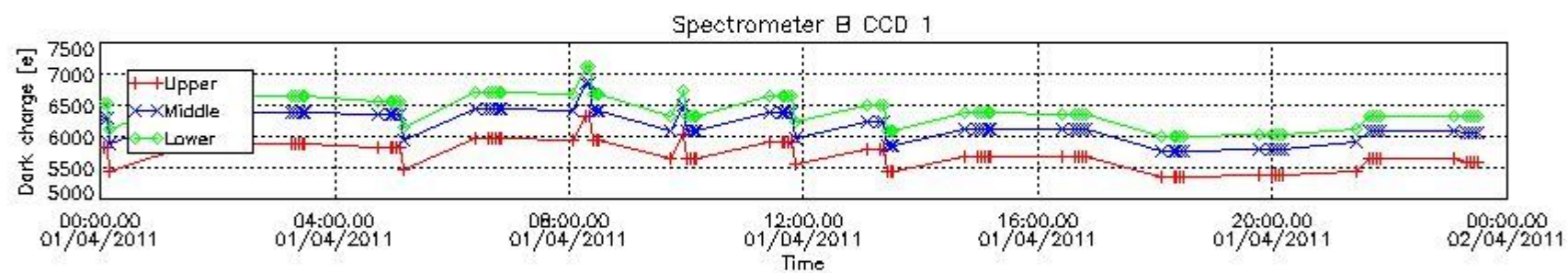
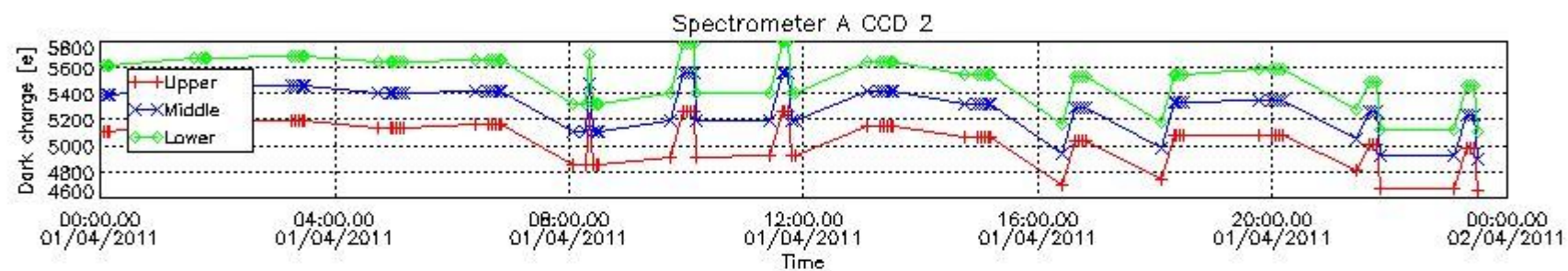
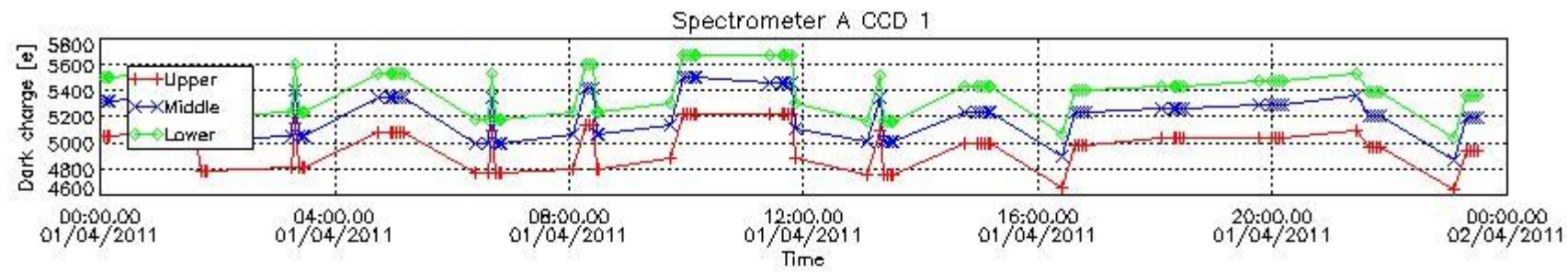
#### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20110401_201459_000000473101_00086_47514_2225.N1	DC map used
GOM_TRA_1PNPDE20110401_201635_000000473101_00086_47514_2226.N1	DC map used
GOM_TRA_1PNPDE20110401_201916_000000533101_00086_47514_2227.N1	DC map used
GOM_TRA_1PNPDE20110401_202510_000000473101_00086_47514_2228.N1	DC map used
GOM_TRA_1PNPDE20110401_202707_000000453101_00086_47514_2229.N1	DC map used
GOM_TRA_1PNPDE20110401_202853_000000653101_00086_47514_2230.N1	DC map used
GOM_TRA_1PNPDE20110401_203206_000000423101_00086_47514_2231.N1	DC map used
GOM_TRA_1PNPDE20110401_203643_000000393101_00086_47514_2232.N1	DC map used
GOM_TRA_1PNPDE20110401_204507_000000353101_00086_47514_2233.N1	DC map used
GOM_TRA_1PNPDE20110401_204805_000000553101_00086_47514_2234.N1	DC map used
GOM_TRA_1PNPDE20110401_204952_000000423101_00086_47514_2235.N1	DC map used
GOM_TRA_1PNPDE20110401_205611_000000433101_00086_47514_2236.N1	DC map used



GOM_TRA_1PNPDE20110401_210538_000000353101_00086_47514_2237.N1	DC map used
GOM_TRA_1PNPDE20110401_211031_000000513101_00086_47514_2238.N1	DC map used
GOM_TRA_1PNPDE20110401_211228_000000463101_00086_47514_2239.N1	DC map used
GOM_TRA_1PNPDE20110401_211431_000000453101_00086_47514_2240.N1	DC map used
GOM_TRA_1PNPDE20110401_212106_000000463101_00086_47514_2241.N1	DC map used
GOM_TRA_1PNPDE20110401_212542_000000443101_00086_47514_2242.N1	DC map used

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



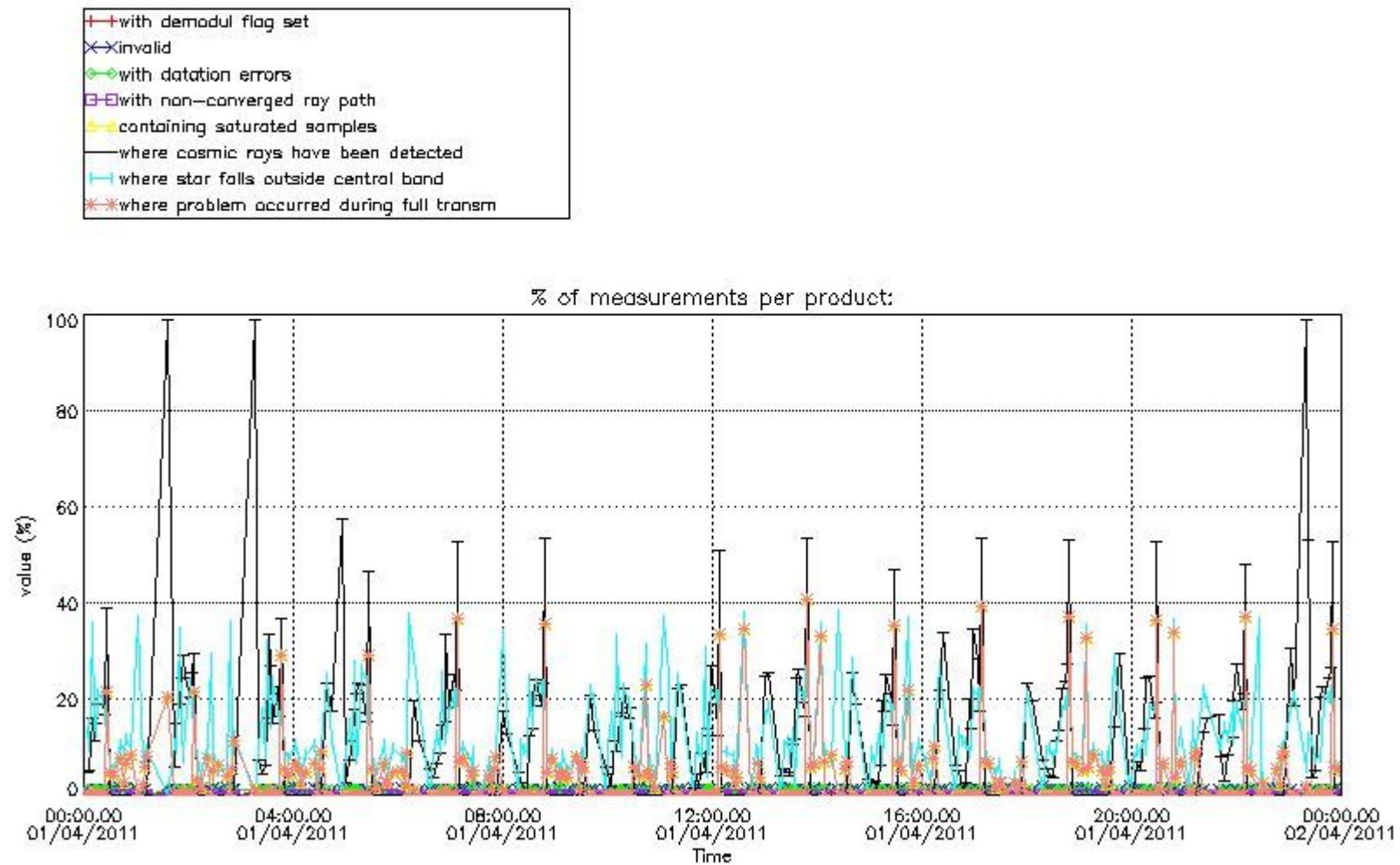
## 5. Demodulation flag and quality information monitoring

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:

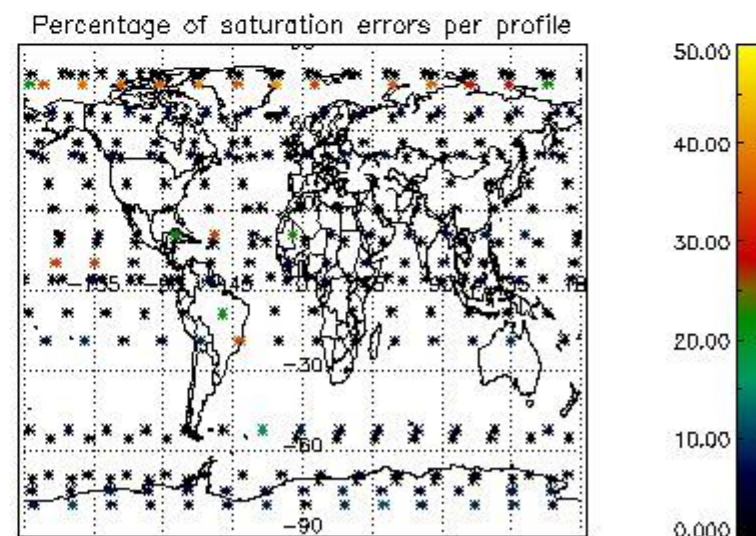
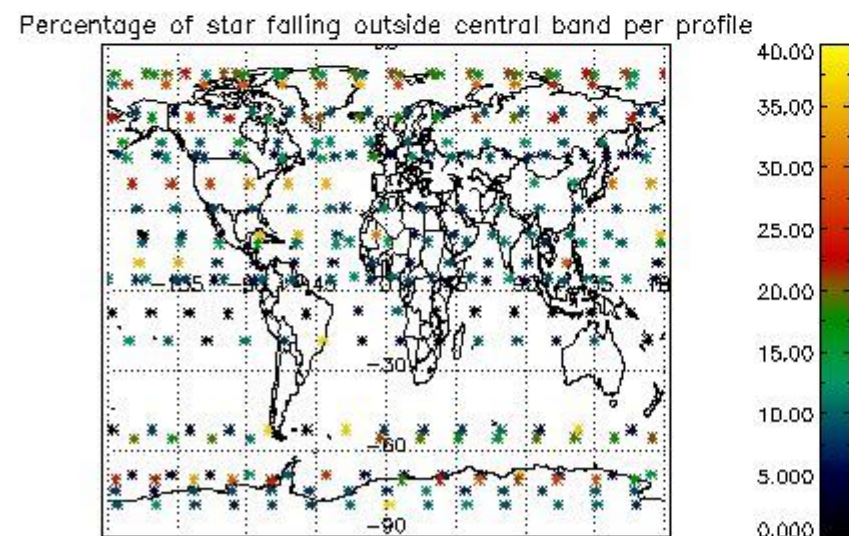
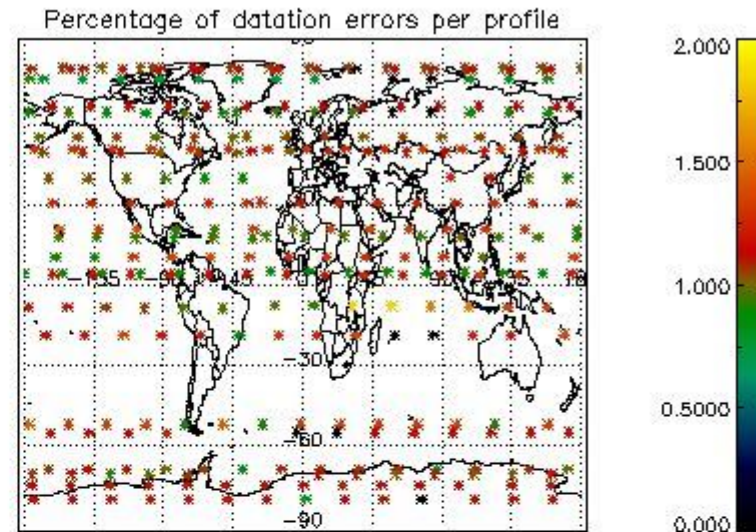
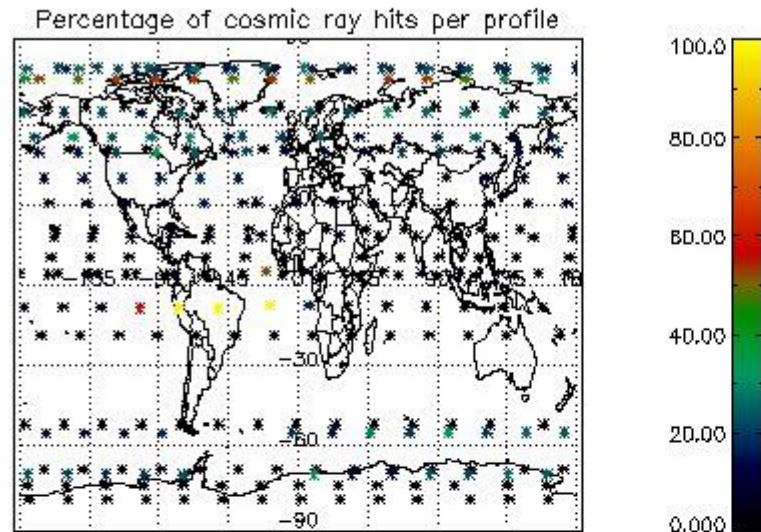
At least one measurement with demodulation flag set:	46.5839 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

### 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)

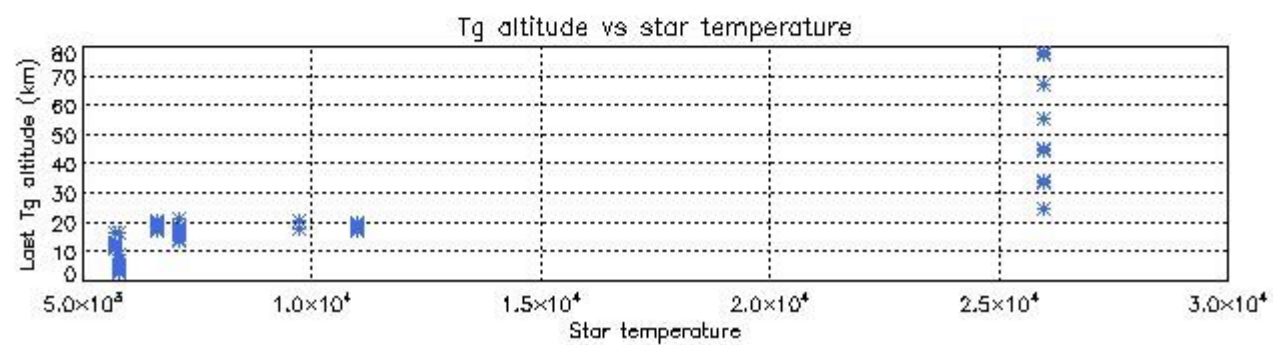
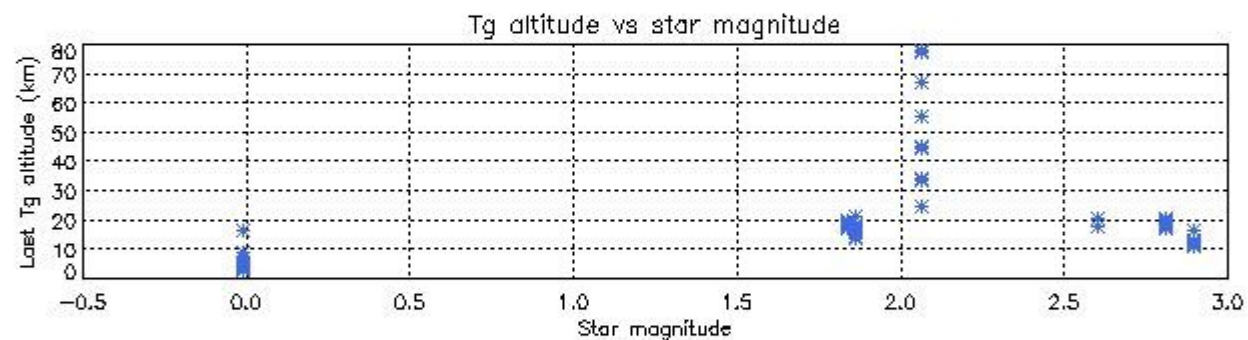
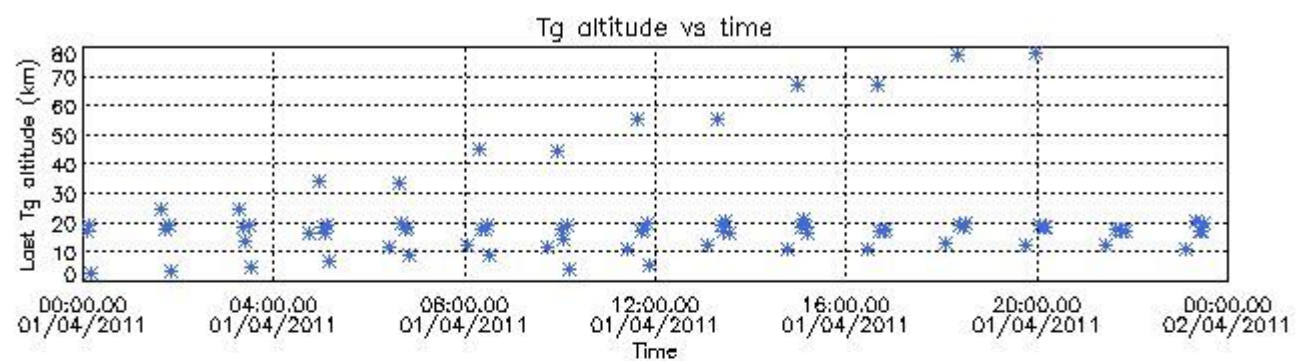
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	20.901	17.568	NaN
St. deviation:	15.141	5.9772	NaN
Maximum:	77.857	28.432	NaN
Minimum:	2.8962	3.3728	NaN
Number of data:	79.000	159.00	NaN

### 6.2 Plot for DARK limb products

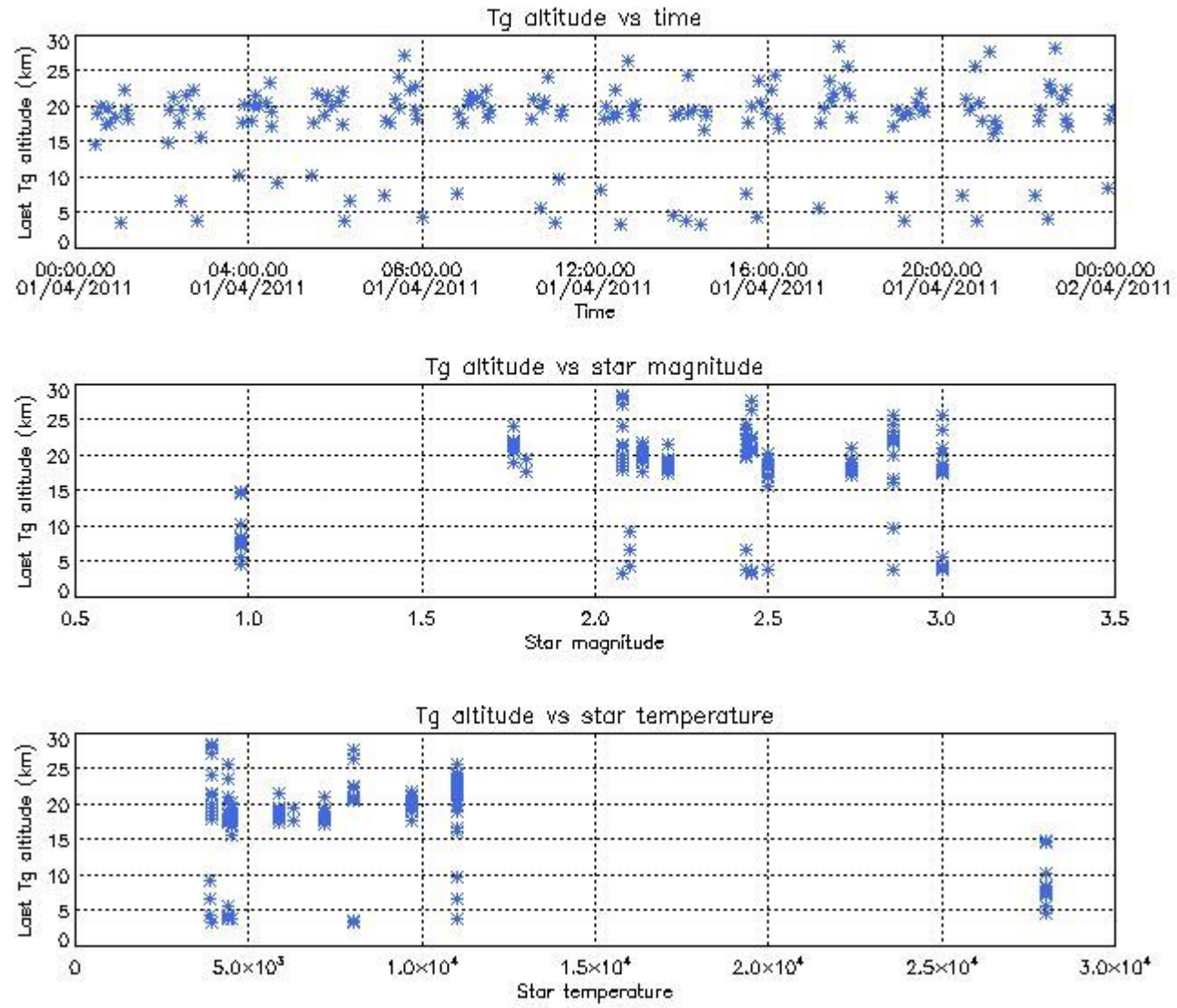


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

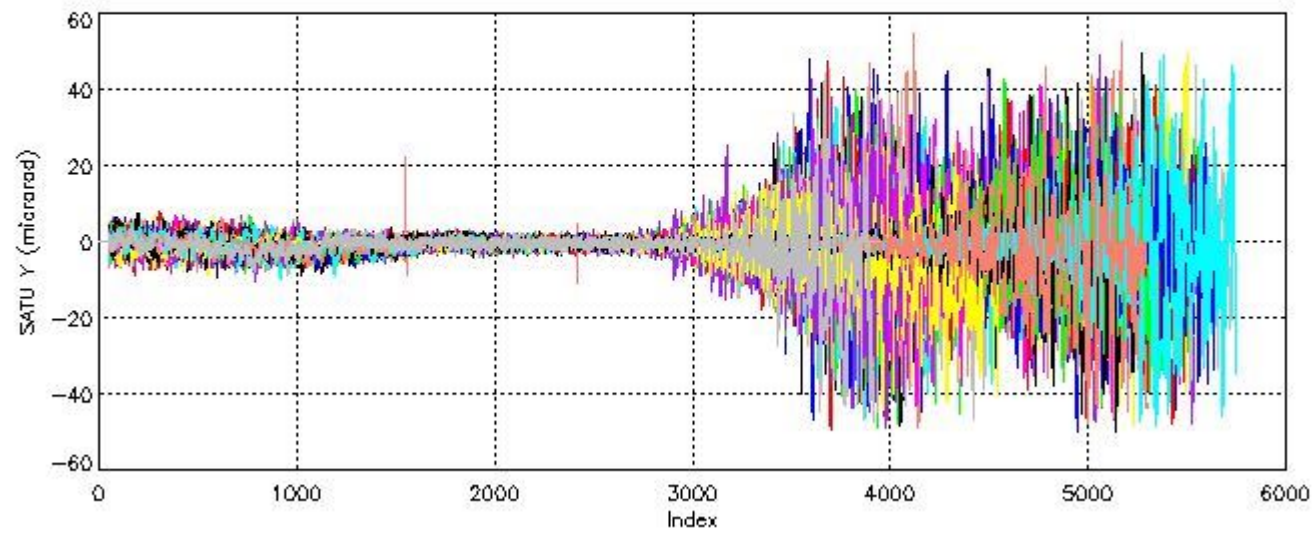
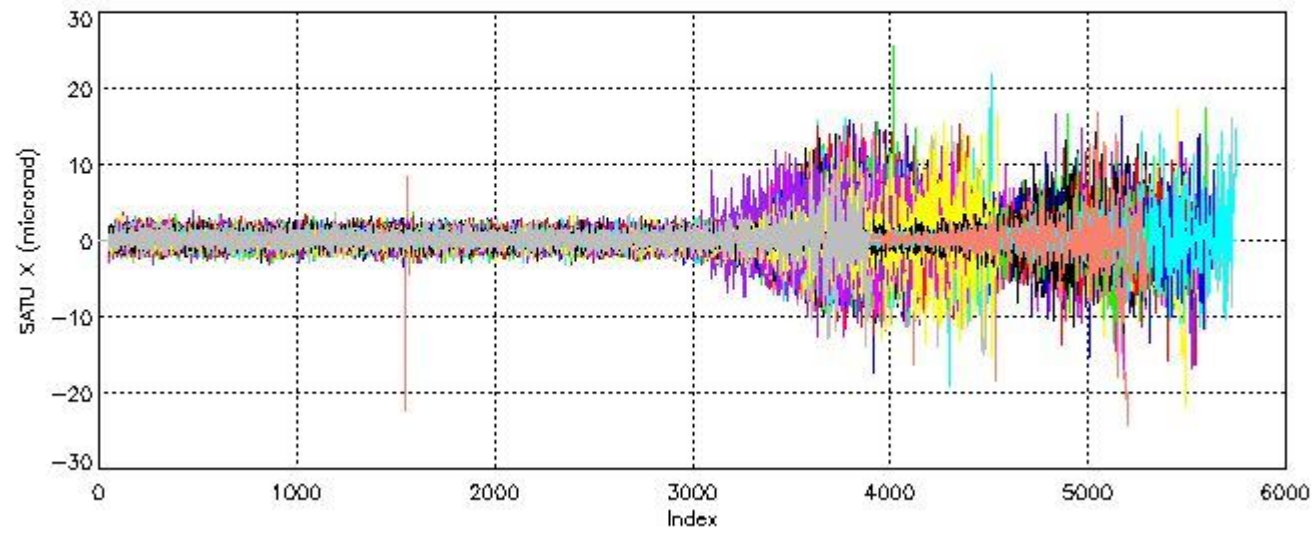


## 7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.21162	-1.0425	0.21572	-1.2255
St. deviation:	0.58124	1.9580	0.74659	1.8035
Maximum:	3.9000	7.7000	7.3000	8.2000
Minimum:	-3.2000	-10.500	-5.8000	-11.600



Number of data:	89550.	89550.	1.5295E+05	1.5295E+05
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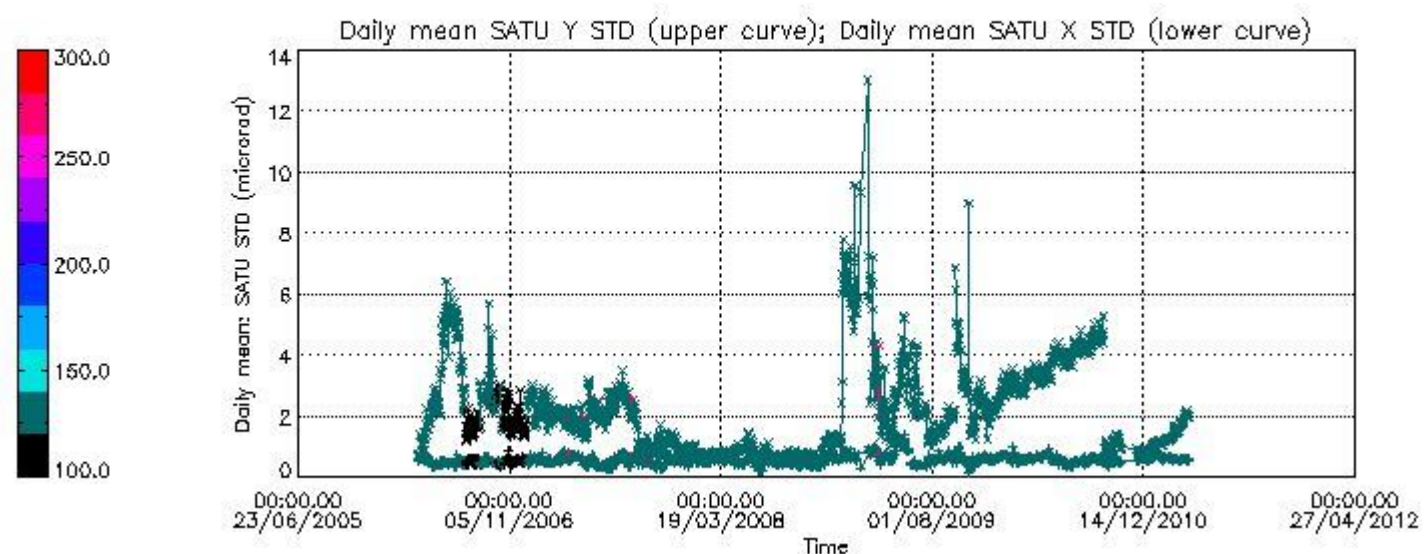
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

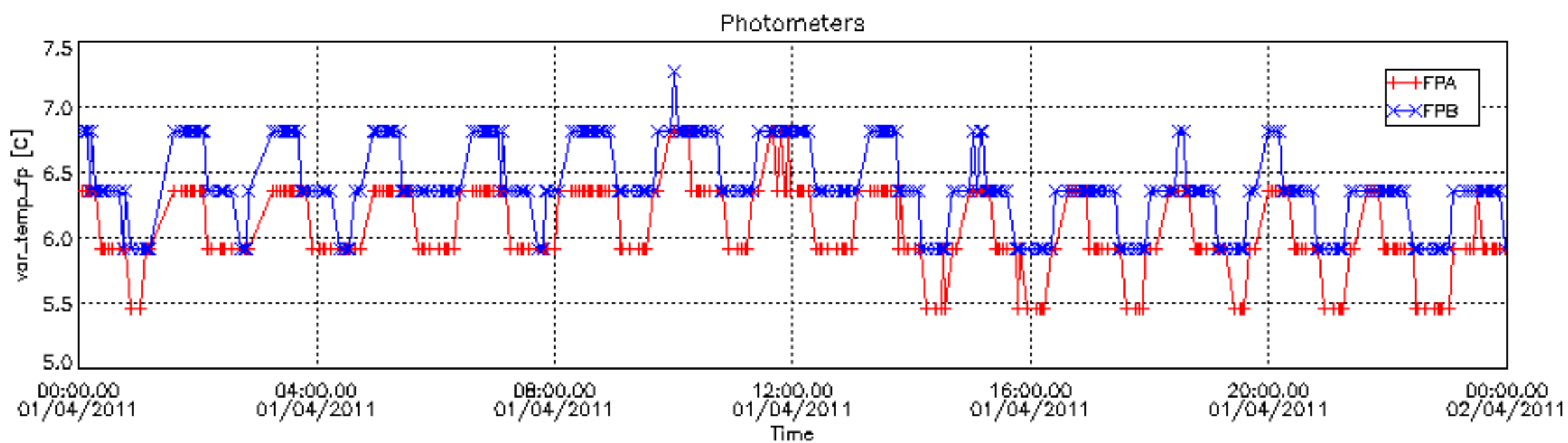
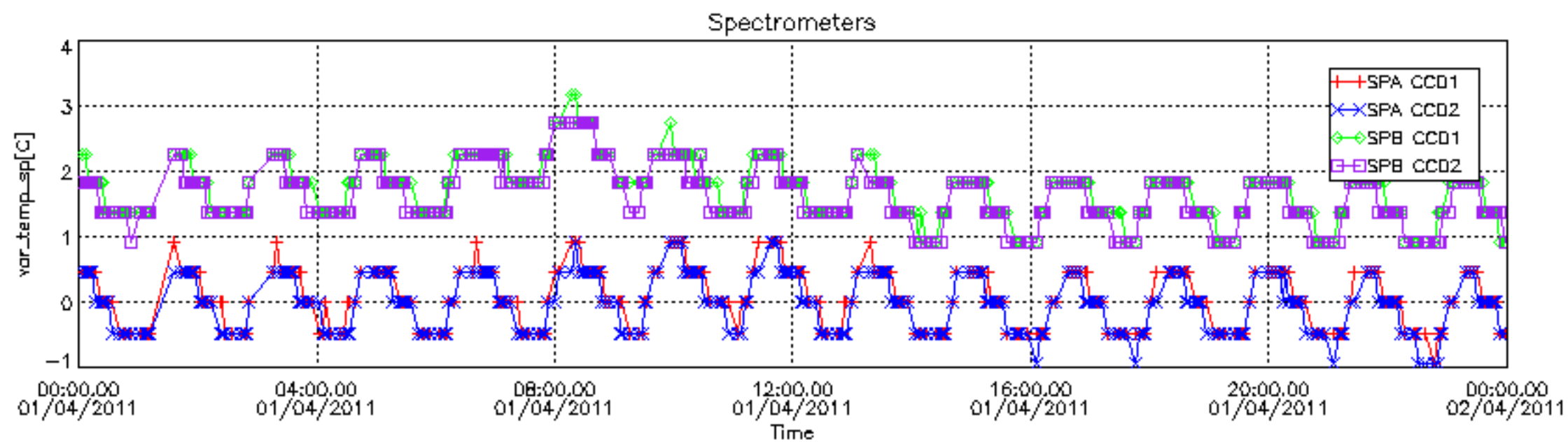


### 8. Auxiliary Data Files used for the production reported in section 2.4

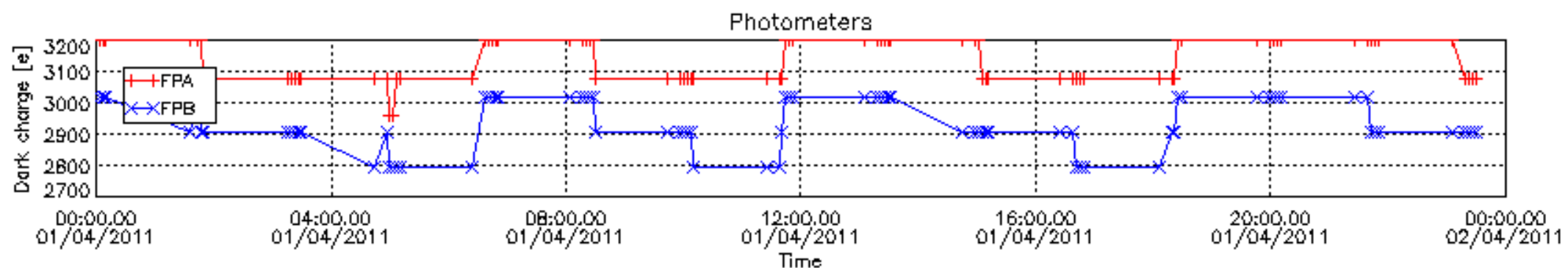
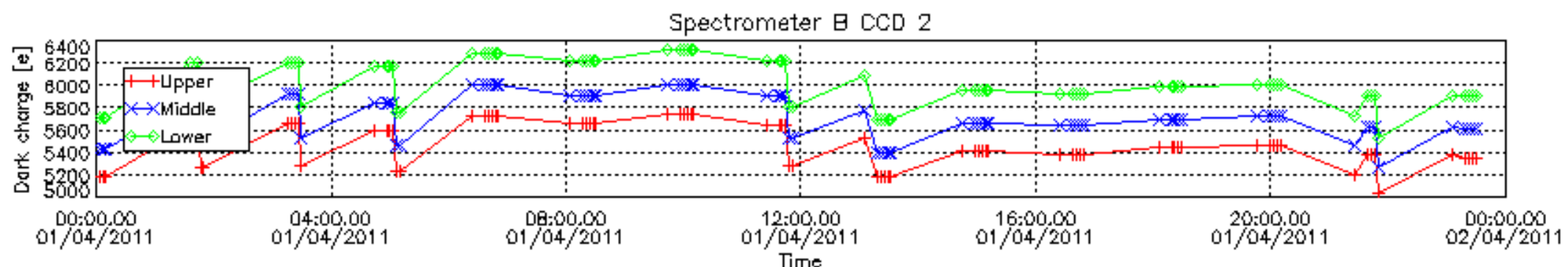
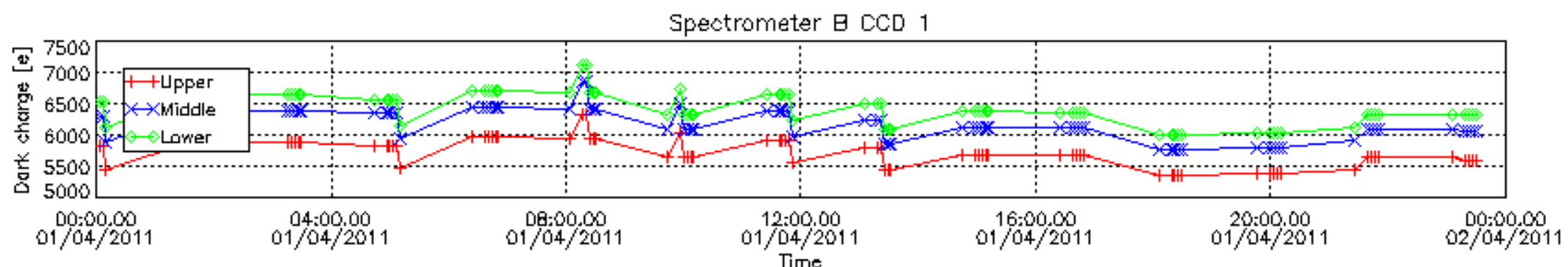
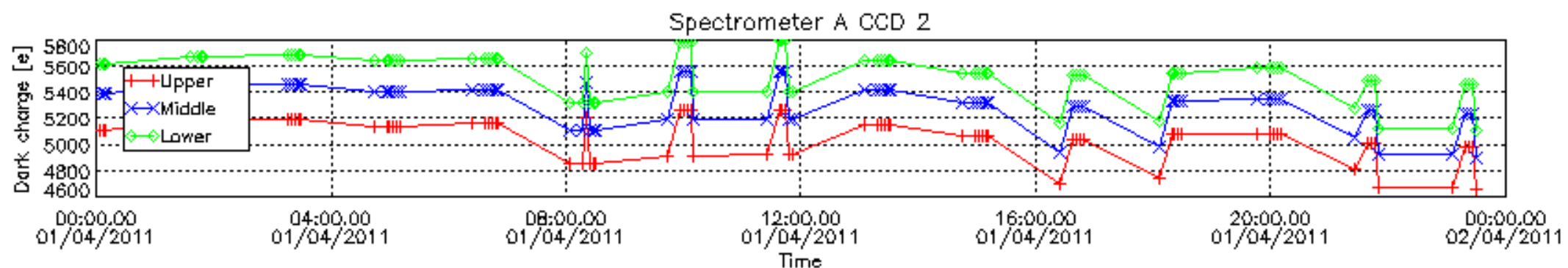
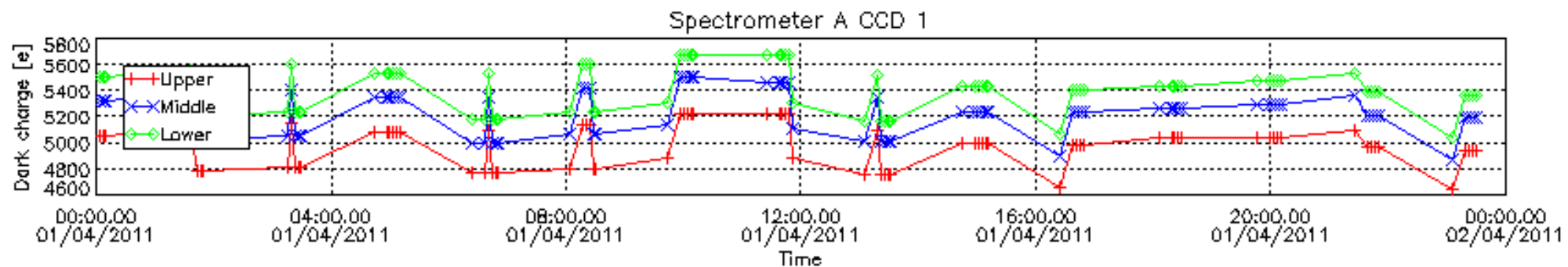
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

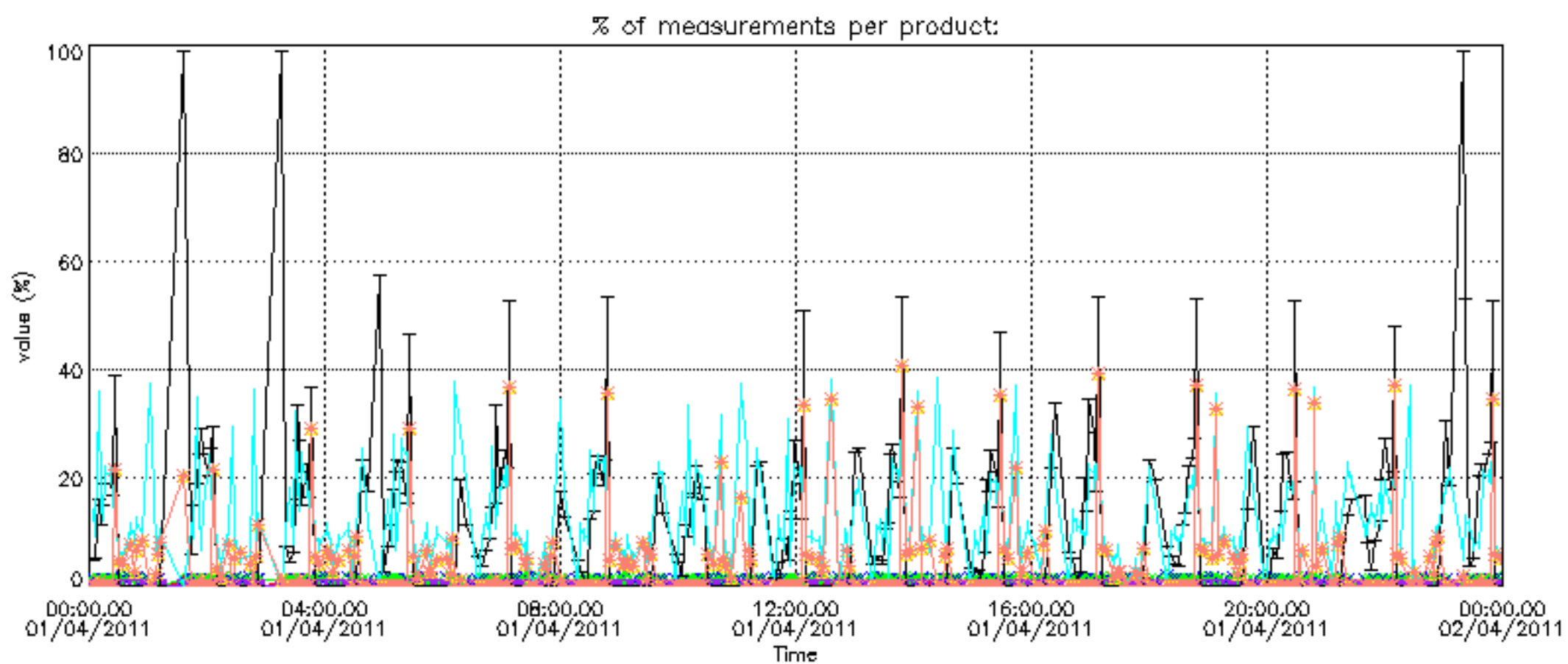
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	01-APR-2011 00:03:04
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110329_092027_20110328_000000_20500101_000000	1	01-APR-2011 00:03:04
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	01-APR-2011 00:03:04
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	01-APR-2011 00:03:04
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	01-APR-2011 00:03:04
ECMWF_FILE	AUX_ECF_AXNECM20110331_062116_20110331_210000_20110401_090000	1	01-APR-2011 00:03:04
ECMWF_FILE	AUX_ECF_AXNECM20110331_182215_20110401_030000_20110401_150000	57	01-APR-2011 04:23:19
ECMWF_FILE	AUX_ECA_AXNECM20110401_062829_20110331_210000_20110401_090000	80	01-APR-2011 06:03:33
ECMWF_FILE	AUX_ECF_AXNECM20110331_182215_20110401_030000_20110401_150000	120	01-APR-2011 08:50:28
ECMWF_FILE	AUX_ECF_AXNECM20110401_062829_20110401_090000_20110401_210000	142	01-APR-2011 10:27:28
ECMWF_FILE	AUX_ECA_AXNECM20110401_182828_20110401_090000_20110401_210000	195	01-APR-2011 14:24:42
ECMWF_FILE	AUX_ECF_AXNECM20110401_062829_20110401_150000_20110402_030000	209	01-APR-2011 15:24:27
ECMWF_FILE	AUX_ECA_AXNECM20110401_182828_20110401_090000_20110401_210000	231	01-APR-2011 17:04:42
ECMWF_FILE	AUX_ECF_AXNECM20110401_062829_20110401_150000_20110402_030000	272	01-APR-2011 20:14:59
ECMWF_FILE	AUX_ECF_AXNECM20110401_062830_20110401_210000_20110402_090000	290	01-APR-2011 21:39:04
OPTIONAL_ECMWF_FILE	MISSING	1	01-APR-2011 00:03:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110331_234311_000057383101_00073_47501_2806.N1	1	01-APR-2011 00:03:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110401_012408_000098823101_00074_47502_2807.N1	20	01-APR-2011 01:35:59
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110330_102114_20110329_183041_20110408_204430	57	01-APR-2011 04:23:19
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110401_055507_000038253101_00077_47505_4198.N1	80	01-APR-2011 06:03:33

ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110330_102114_20110329_183041_20110408_204430	97	01-APR-2011 07:10:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110401_084508_000057383101_00079_47507_4200.N1	120	01-APR-2011 08:50:28
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110401_102828_20110331_185727_20110410_211115	142	01-APR-2011 10:27:28
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ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110401_134240_000054193101_00082_47510_4204.N1	187	01-APR-2011 13:46:10
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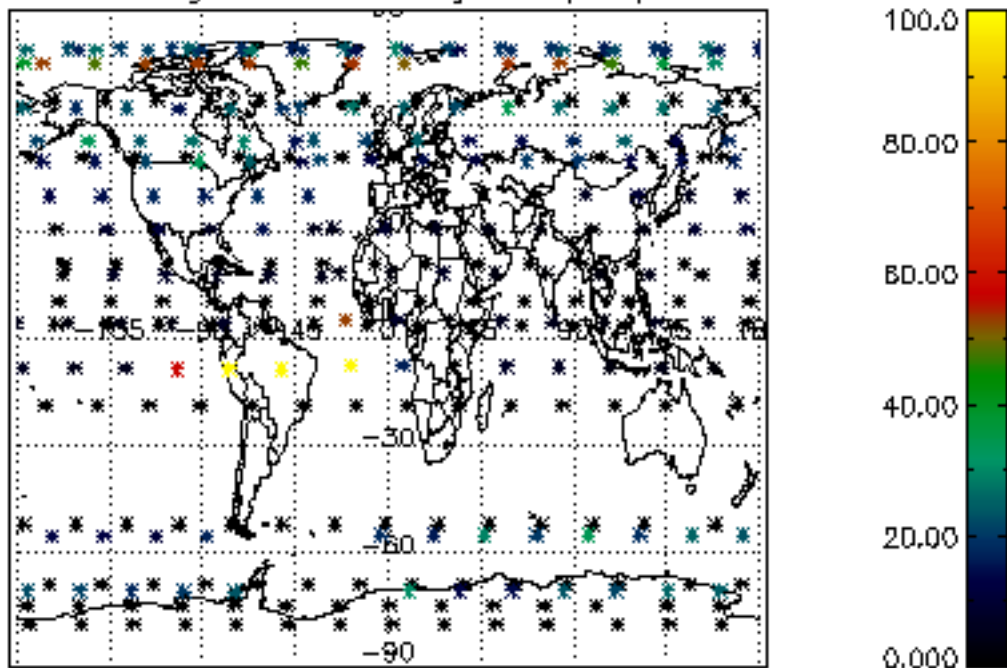




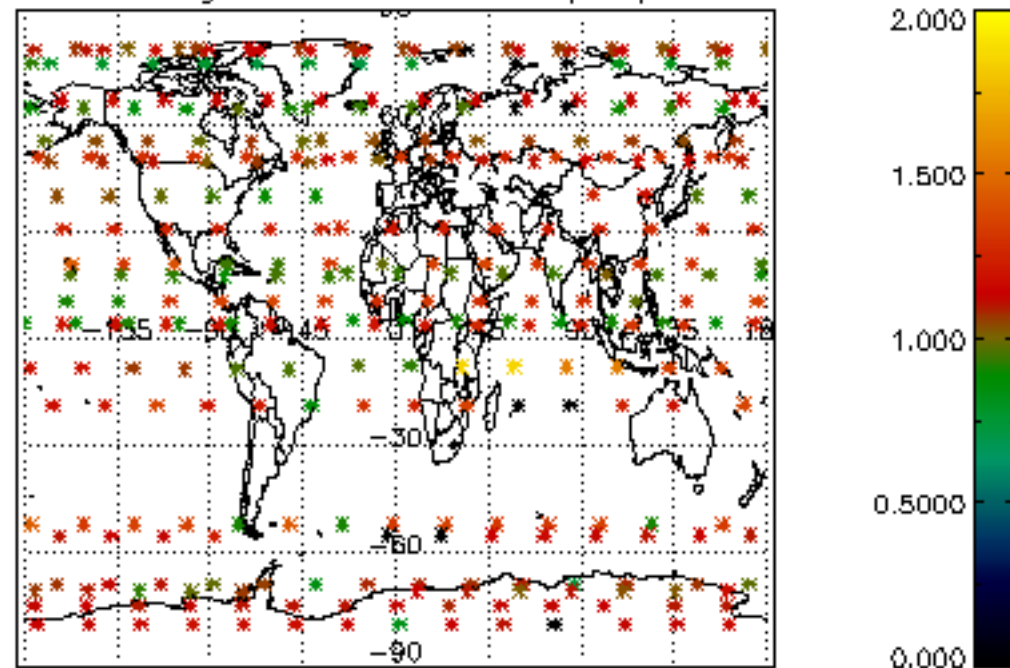




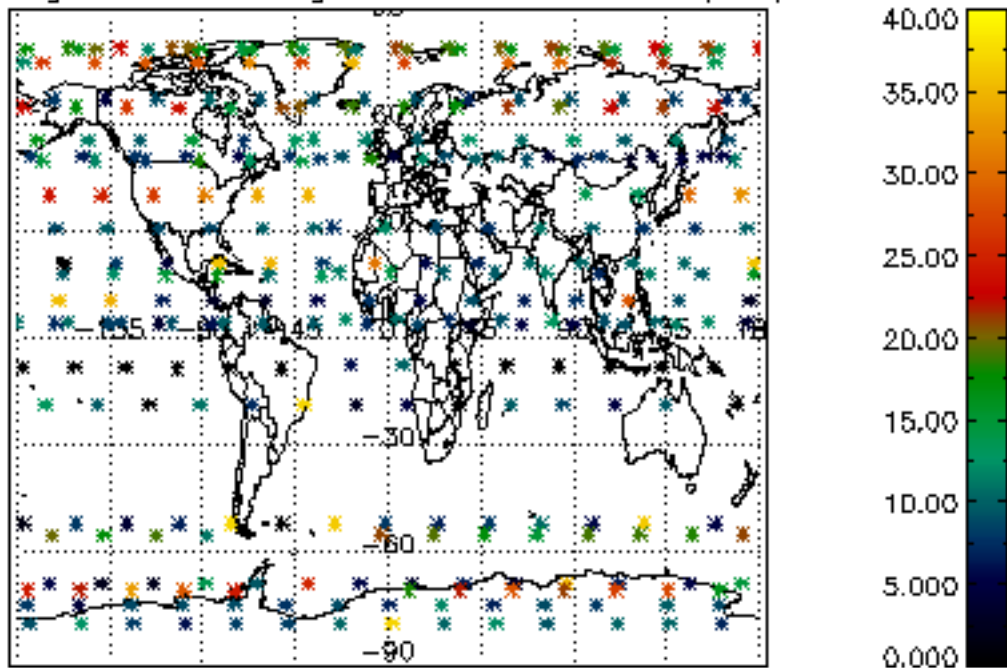
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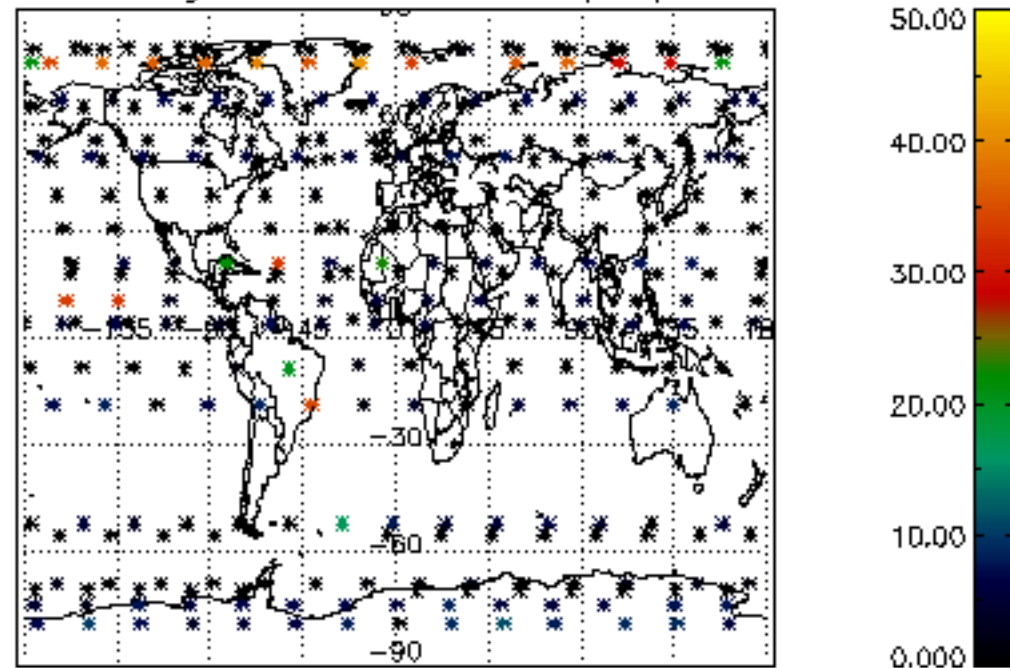
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

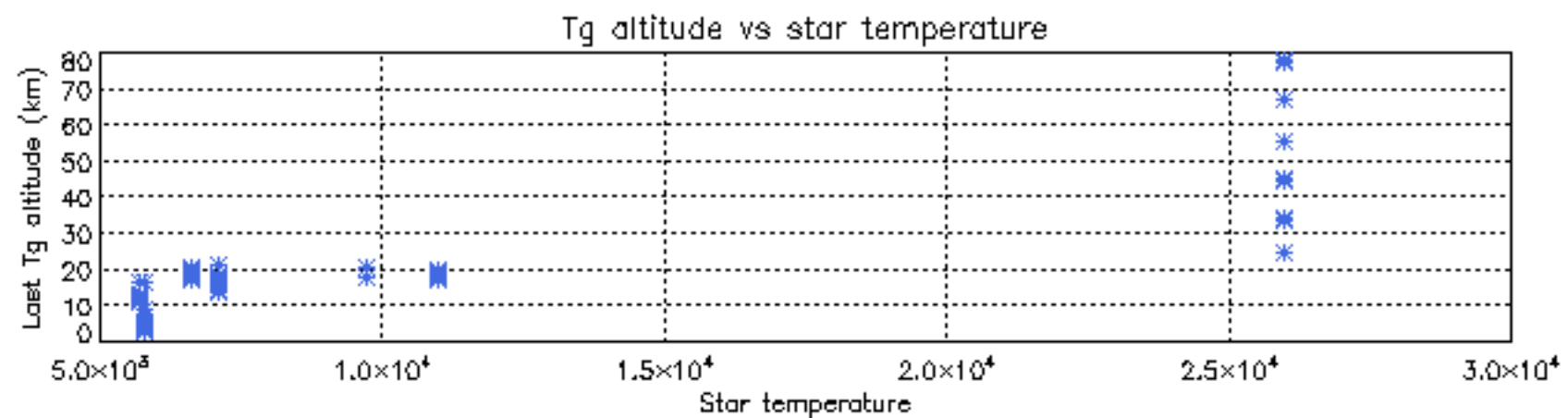
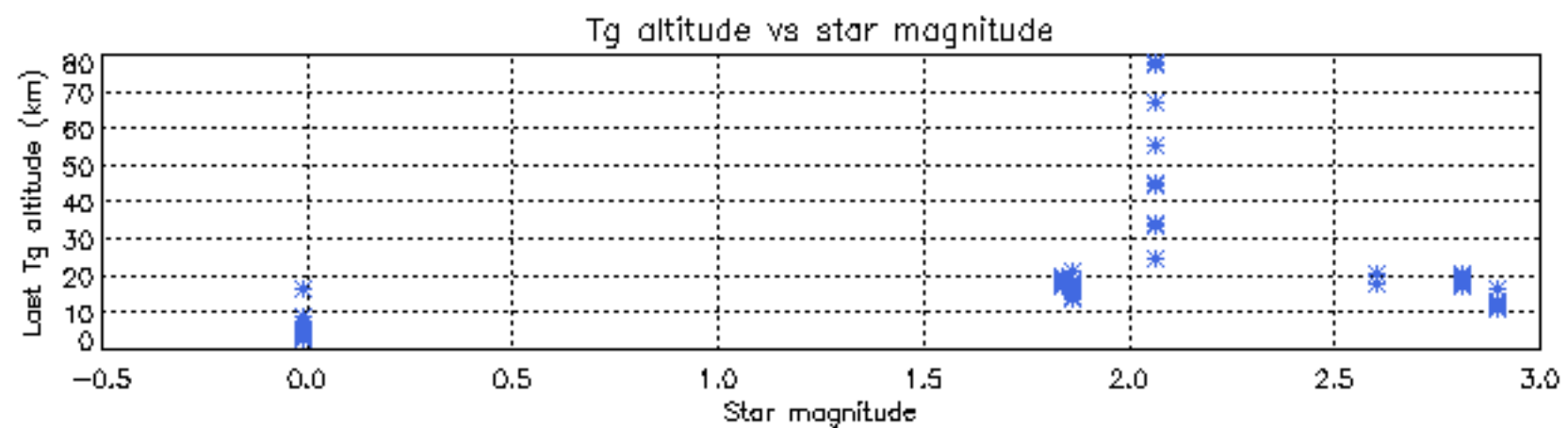
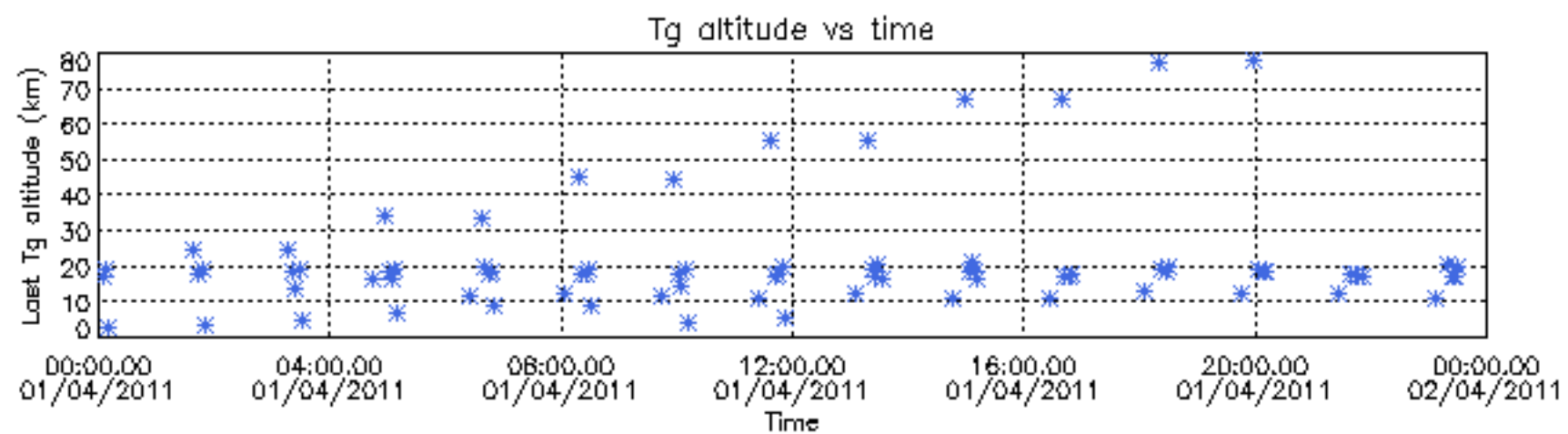


Percentage of saturation errors per profile

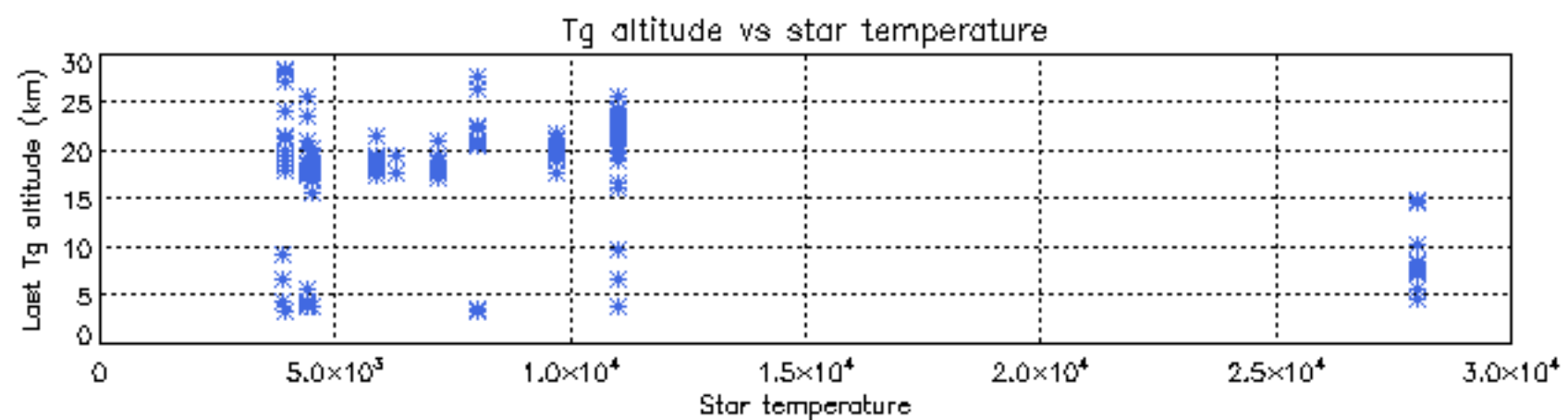
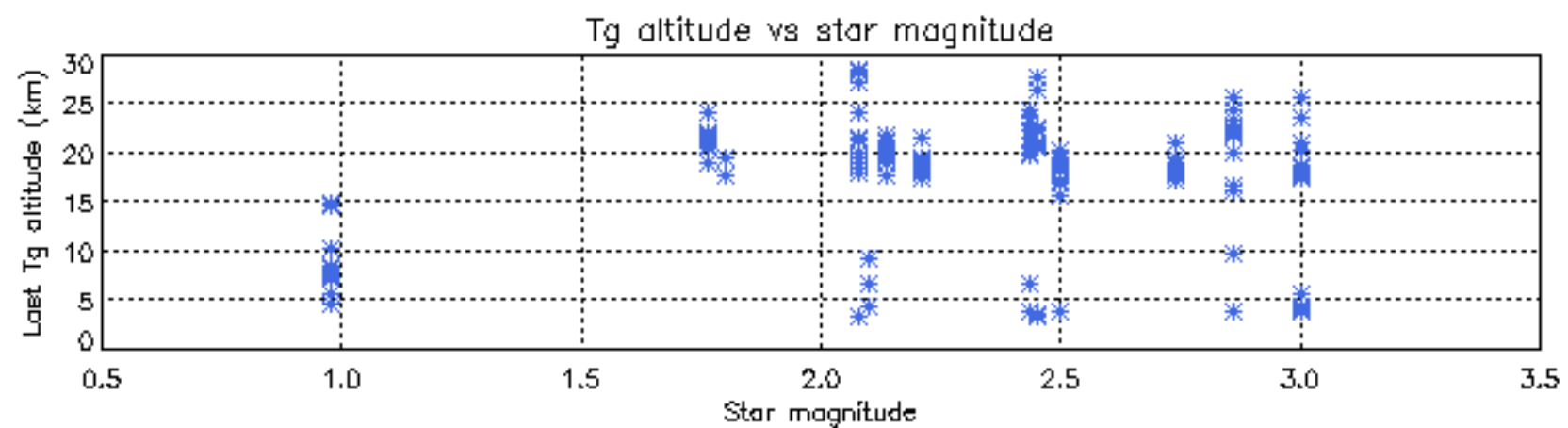
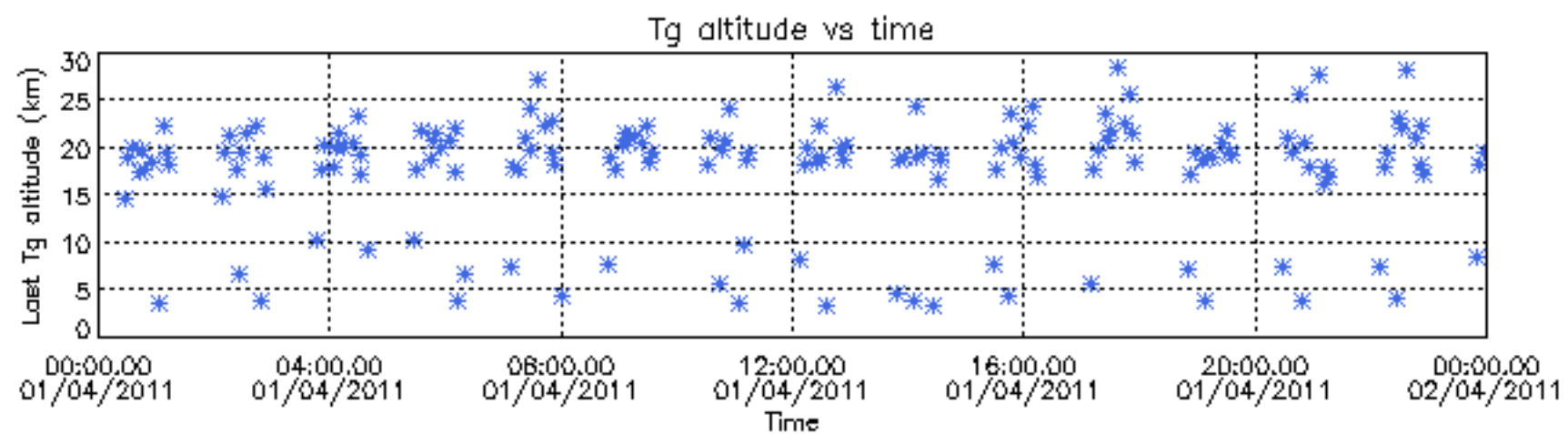


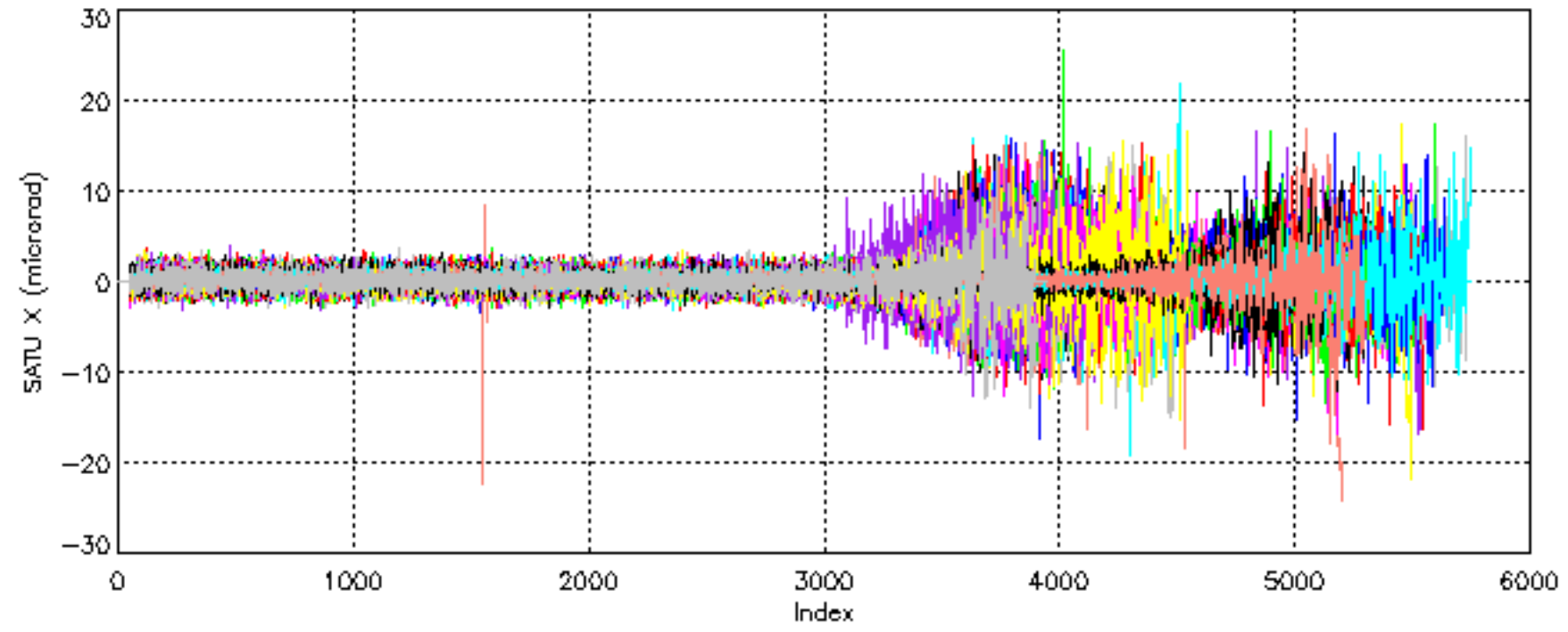


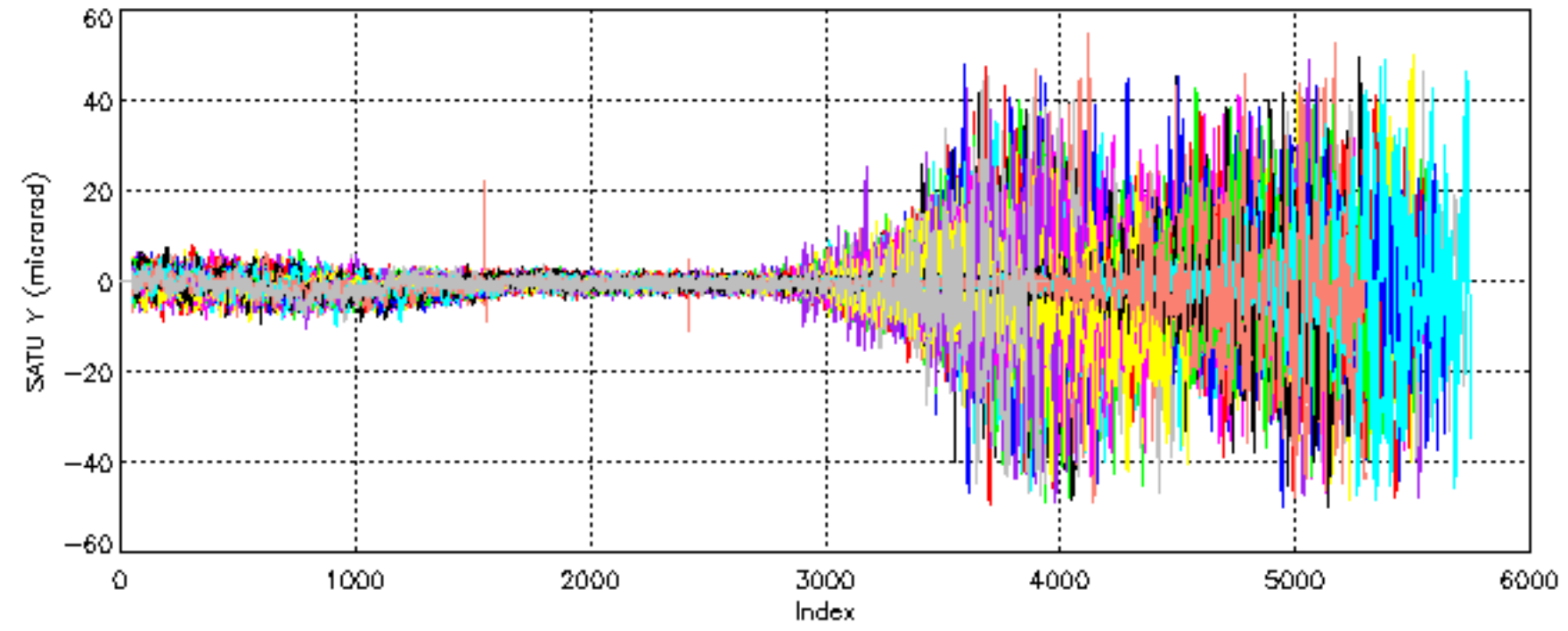
Tangent altitude at which the star is lost



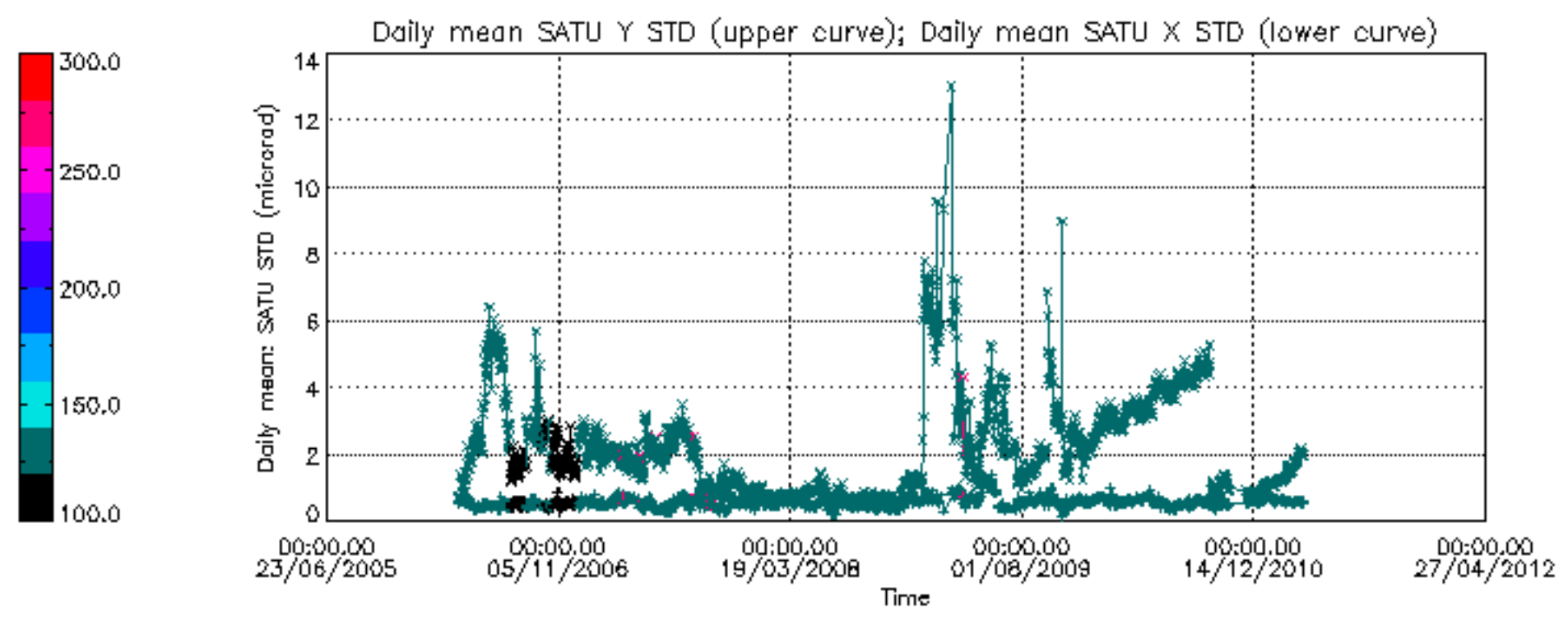
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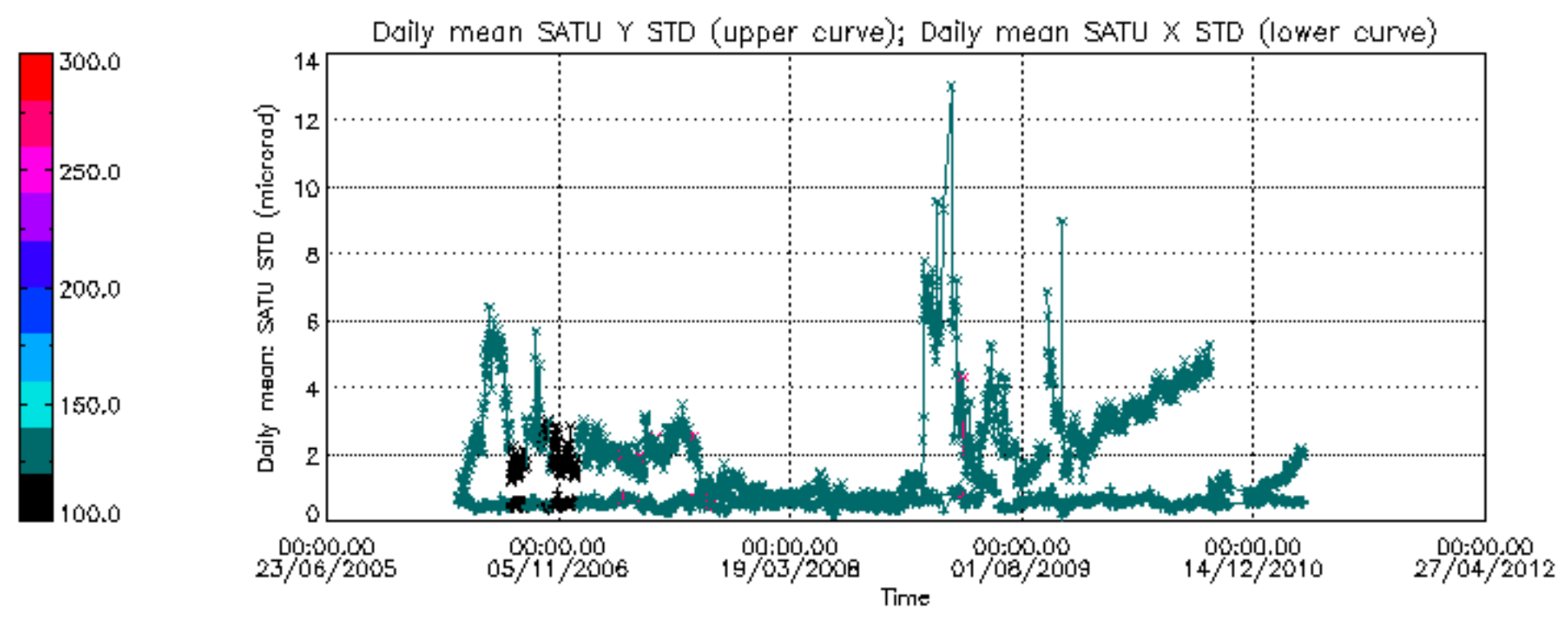












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6; 3316.2; 01-APR-2011 09:14:35; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;47507
7; 3881.8; 01-APR-2011 09:24:01; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;47507

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23; 7583.0; 01-APR-2011 10:25:42; Dark ; 44.0; 100; 4Gam Crv ; 2.58; 13100;occ; 88; 0;47508  
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5; 2829.6; 01-APR-2011 10:46:43; Bright; 39.0; 87; 64Gam UMa ; 2.43; 11000;occ; 78; 0;47508  
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3; 2146.3; 01-APR-2011 12:15:33; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;47509  
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9; 111.3; 03-APR-2011 05:27:28; Dark ; 56.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 113; 0;47534
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4; 2613.4; 07-APR-2011 08:42:55; Bright; 41.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 82; 0;47593
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8; 3420.6; 07-APR-2011 08:56:22; Bright; 49.0; 119; 14Eta Dra ; 2.73; 4700;occ; 98; 0;47593
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9; 4158.4; 07-APR-2011 10:48:54; Bright; 47.5; 144; 18Del Cyg ; 2.86; 11000;occ; 95; 0;47594  
10; 4287.8; 07-APR-2011 10:51:04; Bright; 48.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 96; 0;47594  
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17; 6211.3; 07-APR-2011 13:03:21; Dark ; 57.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 114; 0;47596  
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7; 1140.8; 08-APR-2011 01:00:42; Dark ; 49.0; 54; 5The Cen ; 2.06; 4500;occ; 98; 0;47603  
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4; 2566.4; 17-APR-2011 10:55:57; Bright; 35.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 71; 0;47738  
5; 2736.8; 17-APR-2011 10:58:48; Bright; 46.5; 180; 27Gam Boo ; 3.04; 8000;occ; 93; 0;47738  
6; 2865.3; 17-APR-2011 11:00:56; Bright; 41.5; 32; 77Eps UMA ; 1.76; 11000;occ; 83; 0;47738  
7; 3246.5; 17-APR-2011 11:07:17; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;47738  
8; 3853.2; 17-APR-2011 11:17:24; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;47738  
9; 4167.2; 17-APR-2011 11:22:38; Bright; 48.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 96; 0;47738  
10; 4274.5; 17-APR-2011 11:24:25; Bright; 57.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 115; 0;47738  
11; 4434.0; 17-APR-2011 11:27:05; Bright; 58.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 117; 0;47738  
12; 4891.0; 17-APR-2011 11:34:42; Dark ; 51.0; 61; 8Eps Peg ; 2.10; 3900;occ; 102; 0;47738  
13; 5038.7; 17-APR-2011 11:37:10; Dark ; 47.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 94; 0;47738  
14; 5202.2; 17-APR-2011 11:39:53; Dark ; 52.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 104; 0;47738  
15; 5343.3; 17-APR-2011 11:42:14; Dark ; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;47738  
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6; 2868.5; 17-APR-2011 12:41:13; Bright; 35.0; 32; 77Eps UMA ; 1.76; 11000;occ; 70; 0;47739  
7; 3246.4; 17-APR-2011 12:47:31; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;47739  
8; 3853.0; 17-APR-2011 12:57:38; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;47739  
9; 4167.0; 17-APR-2011 13:02:52; Bright; 49.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 99; 0;47739  
10; 4274.6; 17-APR-2011 13:04:39; Bright; 58.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 116; 0;47739  
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16; 5947.2; 17-APR-2011 13:32:32; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;47739  
17; 6216.1; 17-APR-2011 13:37:01; Dark ; 64.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 128; 0;47740  
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19; 6651.7; 17-APR-2011 13:44:16; Dark ; 64.0; 25; 35Lam Sco ; 1.62; 28000;occ; 128; 0;47740  
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23; 7573.4; 17-APR-2011 13:59:38; Dark ; 10.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 20; 0;47740

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 5; 2565.9; 17-APR-2011 14:16:25; Bright; 55.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 111; 0;47740  
 6; 2735.2; 17-APR-2011 14:19:14; Bright; 50.0; 180; 27Gam Boo ; 3.04; 8000;occ; 100; 0;47740  
 7; 2875.3; 17-APR-2011 14:21:34; Bright; 40.0; 55; 79Zet UMa ; 2.06; 10200;occ; 80; 0;47740  
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 10; 4167.0; 17-APR-2011 14:43:06; Bright; 50.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 101; 0;47740  
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 22; 7068.5; 17-APR-2011 15:31:27; Dark ; 42.0; 81; Eta Cen ; 2.36; 28000;occ; 84; 0;47741  
 23; 7207.2; 17-APR-2011 15:33:46; Dark ; 46.0; 54; 5The Cen ; 2.06; 4500;occ; 92; 0;47741

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 4; 2274.2; 17-APR-2011 15:51:47; Bright; 56.0; 111; 8Eta Boo ; 2.68; 6000;occ; 112; 0;47741  
 5; 2565.8; 17-APR-2011 15:56:38; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 0;47741  
 6; 2734.3; 17-APR-2011 15:59:27; Bright; 46.0; 180; 27Gam Boo ; 3.04; 8000;occ; 92; 0;47741  
 7; 2875.1; 17-APR-2011 16:01:48; Bright; 39.0; 55; 79Zet UMa ; 2.06; 10200;occ; 78; 0;47741  
 8; 3245.7; 17-APR-2011 16:07:58; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;47741  
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6; 646.1; 18-APR-2011 01:26:03; Dark ; 64.5; 25; 35Lam Sco ; 1.62; 28000;occ; 129; 0;47747
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13;	5214.8;	18-APR-2011	16:04:03;	Dark	;	51.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	102;	0;	47755
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16;	6243.7;	18-APR-2011	16:21:12;	Dark	;	66.0;	103;	38Zet Sgr	;	2.60;	9700;occ;	132;	0;	47756
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9;	4105.1;	18-APR-2011	19:06:02;	Bright;	;	48.0;	144;	18Del Cyg	;	2.86;	11000;occ;	96;	0;	47757
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