

GOMOS Daily Report 29-JUN-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	02JUL2011 07:05:36
Data source version	GOMOS/6.01
Start time of products	29JUN2011 00:00:39
Stop time of products	29JUN2011 23:41:54
Store outputs in DB	Yes
Nb of level 1b prods	276
Nb of prods with errors	0

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

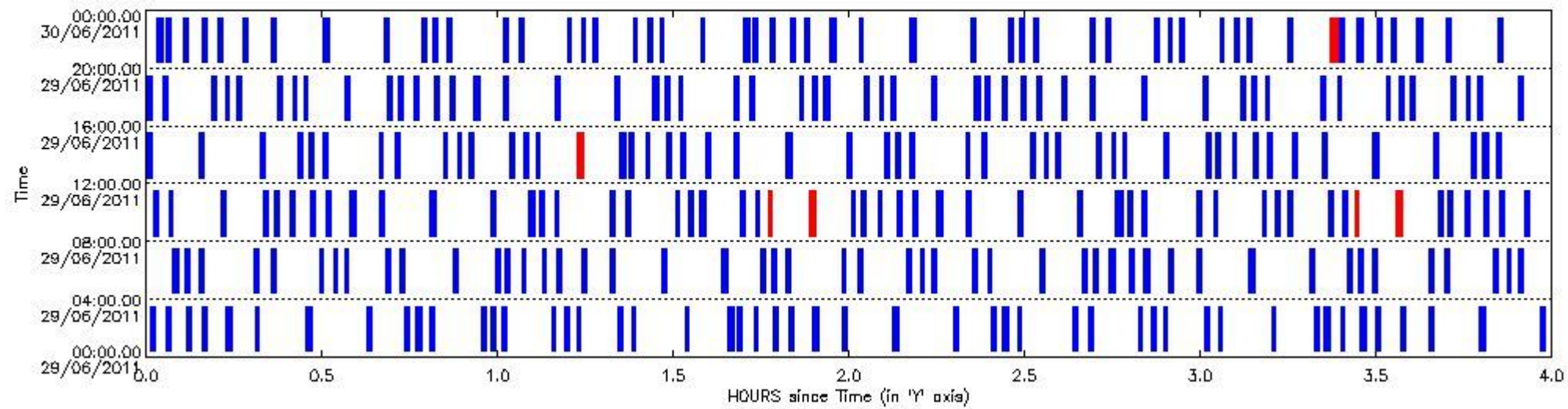
2.1 Level 0 products arrived in PCF (see template [here](#))

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
29-JUN-2011 09:46:12	18DelCyg	144	48786
29-JUN-2011 09:53:10	5AlpCep	89	48786
29-JUN-2011 11:26:26	18DelCyg	144	48787
29-JUN-2011 11:33:23	5AlpCep	89	48787
29-JUN-2011 13:13:36	5AlpCep	89	48788
29-JUN-2011 23:22:15	11BetCas	74	48794

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_1PNPDE20110629_000039_000000483104_00059_48780_9448.N1	29-JUN-2011 00:00:39	Bright	48.000	68	18Alp Cas	2.2250	4500.0	96	48780	No
2	GOM_TRA_1PNPDE20110629_000329_000000363104_00059_48780_9449.N1	29-JUN-2011 00:03:29	Bright	36.000	160	23Gam Per	2.9300	4700.0	72	48780	No
3	GOM_TRA_1PNPDE20110629_000651_000000503104_00059_48780_9450.N1	29-JUN-2011 00:06:51	Bright	50.000	73	57Gam1And	2.2600	13100.	100	48780	No
4	GOM_TRA_1PNPDE20110629_000926_000000493104_00059_48780_9451.N1	29-JUN-2011 00:09:26	Tw_i_and_stray	49.000	173	4Bet Tri	3.0040	8900.0	98	48780	No
5	GOM_TRA_1PNPDE20110629_001335_000000563104_00059_48780_9452.N1	29-JUN-2011 00:13:35	Dark	55.500	50	13Alp Ari	2.0070	4250.0	111	48780	No

6	GOM_TRA_1PNPDE20110629_001832_000000403104_00059_48780_9453.N1	29-JUN-2011 00:18:32	Dark	40.000	94	92Alp Cet	2.5260	3100.0	80	48780	No
7	GOM_TRA_1PNPDE20110629_003733_000000483104_00060_48781_9436.N1	29-JUN-2011 00:37:33	Dark	48.000	84	Alp Phe	2.3970	4500.0	96	48781	No
8	GOM_TRA_1PNPDE20110629_004402_000000543104_00060_48781_9437.N1	29-JUN-2011 00:44:02	Straylight	53.500	63	Bet Gru	2.1500	2800.0	107	48781	No
9	GOM_TRA_1PNPDE20110629_004559_000000603104_00060_48781_9438.N1	29-JUN-2011 00:45:59	Straylight	59.500	31	Alp Gru	1.7340	15200.	119	48781	No
10	GOM_TRA_1PNPDE20110629_004829_000000443104_00060_48781_9439.N1	29-JUN-2011 00:48:29	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48781	No
11	GOM_TRA_1PNPDE20110629_005719_000000453104_00060_48781_9440.N1	29-JUN-2011 00:57:19	Tw_i_and_stray	44.500	38	20Eps Sgr	1.8360	11000.	89	48781	No
12	GOM_TRA_1PNPDE20110629_005841_000000503104_00060_48781_9441.N1	29-JUN-2011 00:58:41	Bright	49.500	116	19Del Sgr	2.7000	4100.0	99	48781	No
13	GOM_TRA_1PNPDE20110629_010046_000000473104_00060_48781_9442.N1	29-JUN-2011 01:00:46	Bright	46.500	155	41Pi Sgr	2.9000	6600.0	93	48781	No
14	GOM_TRA_1PNPDE20110629_010910_000000383104_00060_48781_9443.N1	29-JUN-2011 01:09:10	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	48781	No
15	GOM_TRA_1PNPDE20110629_011130_000000393104_00060_48781_9444.N1	29-JUN-2011 01:11:30	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	48781	No
16	GOM_TRA_1PNPDE20110629_011327_000000333104_00060_48781_9445.N1	29-JUN-2011 01:13:27	Tw_i_and_stray	33.000	168	17Zet Aql	2.9860	11000.	66	48781	No
17	GOM_TRA_1PNPDE20110629_012024_000000623104_00060_48781_9446.N1	29-JUN-2011 01:20:24	Bright	62.000	5	3Alp Lyr	0.033000	11000.	124	48781	No
18	GOM_TRA_1PNPDE20110629_012256_000000363104_00060_48781_9447.N1	29-JUN-2011 01:22:56	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	48781	No
19	GOM_TRA_1PNPDE20110629_013156_000000463104_00060_48781_9448.N1	29-JUN-2011 01:31:56	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48781	No
20	GOM_TRA_1PNPDE20110629_013913_000000703104_00060_48781_9449.N1	29-JUN-2011 01:39:13	Bright	70.000	74	11Bet Cas	2.2680	6600.0	140	48781	No
21	GOM_TRA_1PNPDE20110629_014052_000000483104_00060_48781_9450.N1	29-JUN-2011 01:40:52	Bright	48.000	68	18Alp Cas	2.2250	4500.0	96	48781	No
22	GOM_TRA_1PNPDE20110629_014343_000000363104_00060_48781_9451.N1	29-JUN-2011 01:43:43	Bright	36.000	160	23Gam Per	2.9300	4700.0	72	48781	No
23	GOM_TRA_1PNPDE20110629_014705_000000483104_00060_48781_9452.N1	29-JUN-2011 01:47:05	Bright	48.000	73	57Gam1And	2.2600	13100.	96	48781	No
24	GOM_TRA_1PNPDE20110629_014940_000000493104_00060_48781_9453.N1	29-JUN-2011 01:49:40	Tw_i_and_stray	48.500	173	4Bet Tri	3.0040	8900.0	97	48781	No
25	GOM_TRA_1PNPDE20110629_015350_000000553104_00060_48781_9454.N1	29-JUN-2011 01:53:50	Dark	54.500	50	13Alp Ari	2.0070	4250.0	109	48781	No
26	GOM_TRA_1PNPDE20110629_015847_000000473104_00060_48781_9455.N1	29-JUN-2011 01:58:47	Dark	46.500	94	92Alp Cet	2.5260	3100.0	93	48781	No
27	GOM_TRA_1PNPDE20110629_021749_000000513104_00061_48782_9438.N1	29-JUN-2011 02:17:49	Dark	51.000	84	Alp Phe	2.3970	4500.0	102	48782	No
28	GOM_TRA_1PNPDE20110629_022417_000000553104_00061_48782_9439.N1	29-JUN-2011 02:24:17	Straylight	54.500	63	Bet Gru	2.1500	2800.0	109	48782	No
29	GOM_TRA_1PNPDE20110629_022614_000000533104_00061_48782_9440.N1	29-JUN-2011 02:26:14	Straylight	53.000	31	Alp Gru	1.7340	15200.	106	48782	No
30	GOM_TRA_1PNPDE20110629_022843_000000413104_00061_48782_9441.N1	29-JUN-2011 02:28:43	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48782	No
31	GOM_TRA_1PNPDE20110629_023814_000000483104_00061_48782_9442.N1	29-JUN-2011 02:38:14	Tw_i_and_stray	48.000	103	38Zet Sgr	2.6000	9700.0	96	48782	No
32	GOM_TRA_1PNPDE20110629_024101_000000473104_00061_48782_9443.N1	29-JUN-2011 02:41:01	Bright	46.500	155	41Pi Sgr	2.9000	6600.0	93	48782	No
33	GOM_TRA_1PNPDE20110629_024924_000000383104_00061_48782_9444.N1	29-JUN-2011 02:49:24	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	48782	No
34	GOM_TRA_1PNPDE20110629_025143_000000383104_00061_48782_9445.N1	29-JUN-2011 02:51:43	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	48782	No
35	GOM_TRA_1PNPDE20110629_025340_000000393104_00061_48782_9446.N1	29-JUN-2011 02:53:40	Bright	39.000	168	17Zet Aql	2.9860	11000.	78	48782	No
36	GOM_TRA_1PNPDE20110629_030038_000000473104_00061_48782_9447.N1	29-JUN-2011 03:00:38	Bright	46.500	5	3Alp Lyr	0.033000	11000.	93	48782	No
37	GOM_TRA_1PNPDE20110629_030310_000000363104_00061_48782_9448.N1	29-JUN-2011 03:03:10	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	48782	No
38	GOM_TRA_1PNPDE20110629_031209_000000443104_00061_48782_9449.N1	29-JUN-2011 03:12:09	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	48782	No
39	GOM_TRA_1PNPDE20110629_031926_000000503104_00061_48782_9440.N1	29-JUN-2011 03:19:26	Bright	49.500	74	11Bet Cas	2.2680	6600.0	99	48782	No
40	GOM_TRA_1PNPDE20110629_032106_000000693104_00061_48782_9441.N1	29-JUN-2011 03:21:06	Bright	69.000	68	18Alp Cas	2.2250	4500.0	138	48782	No
41	GOM_TRA_1PNPDE20110629_032356_000000443104_00061_48782_9442.N1	29-JUN-2011 03:23:56	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	48782	No
42	GOM_TRA_1PNPDE20110629_032719_000000563104_00061_48782_9443.N1	29-JUN-2011 03:27:19	Bright	55.500	73	57Gam1And	2.2600	13100.	111	48782	No
43	GOM_TRA_1PNPDE20110629_032954_000000513104_00061_48782_9444.N1	29-JUN-2011 03:29:54	Tw_i_and_stray	51.000	173	4Bet Tri	3.0040	8900.0	102	48782	No
44	GOM_TRA_1PNPDE20110629_033404_000000573104_00061_48782_9445.N1	29-JUN-2011 03:34:04	Dark	56.500	50	13Alp Ari	2.0070	4250.0	113	48782	No
45	GOM_TRA_1PNPDE20110629_033901_000000483104_00061_48782_9446.N1	29-JUN-2011 03:39:01	Dark	48.000	94	92Alp Cet	2.5260	3100.0	96	48782	No
46	GOM_TRA_1PNPDE20110629_035804_000000473104_00062_48783_9447.N1	29-JUN-2011 03:58:04	Dark	46.500	84	Alp Phe	2.3970	4500.0	93	48783	No
47	GOM_TRA_1PNPDE20110629_040432_000000633104_00062_48783_9448.N1	29-JUN-2011 04:04:32	Straylight	63.000	63	Bet Gru	2.1500	2800.0	126	48783	No
48	GOM_TRA_1PNPDE20110629_040629_000000523104_00062_48783_9449.N1	29-JUN-2011 04:06:29	Straylight	51.500	31	Alp Gru	1.7340	15200.	103	48783	No
49	GOM_TRA_1PNPDE20110629_040858_000000433104_00062_48783_9450.N1	29-JUN-2011 04:08:58	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48783	No
50	GOM_TRA_1PNPDE20110629_041828_000000453104_00062_48783_9451.N1	29-JUN-2011 04:18:28	Tw_i_and_stray	45.000	103	38Zet Sgr	2.6000	9700.0	90	48783	No
51	GOM_TRA_1PNPDE20110629_042115_000000463104_00062_48783_9452.N1	29-JUN-2011 04:21:15	Bright	46.000	155	41Pi Sgr	2.9000	6600.0	92	48783	No
52	GOM_TRA_1PNPDE20110629_042938_000000383104_00062_48783_9453.N1	29-JUN-2011 04:29:38	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	48783	No
53	GOM_TRA_1PNPDE20110629_043158_000000383104_00062_48783_9454.N1	29-JUN-2011 04:31:58	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	48783	No
54	GOM_TRA_1PNPDE20110629_043354_000000393104_00062_48783_9455.N1	29-JUN-2011 04:33:54	Bright	39.000	168	17Zet Aql	2.9860	11000.	78	48783	No
55	GOM_TRA_1PNPDE20110629_044052_000000463104_00062_48783_9456.N1	29-JUN-2011 04:40:52	Bright	45.500	5	3Alp Lyr	0.033000	11000.	91	48783	No
56	GOM_TRA_1PNPDE20110629_044324_000000363104_00062_48783_9457.N1	29-JUN-2011 04:43:24	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	48783	No
57	GOM_TRA_1PNPDE20110629_045223_000000453104_00062_48783_9458.N1	29-JUN-2011 04:52:23	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	48783	No
58	GOM_TRA_1PNPDE20110629_045940_000000473104_00062_48783_9442.N1	29-JUN-2011 04:59:40	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	48783	No
59	GOM_TRA_1PNPDE20110629_050120_000000483104_00062_48783_9443.N1	29-JUN-2011 05:01:20	Bright	48.000	68	18Alp Cas	2.2250	4500.0	96	48783	No
60	GOM_TRA_1PNPDE20110629_050411_000000353104_00062_48783_9444.N1	29-JUN-2011 05:04:11	Bright	35.000	160	23Gam Per	2.9300	4700.0	70	48783	No
61	GOM_TRA_1PNPDE20110629_050733_000000473104_00062_48783_9445.N1	29-JUN-2011 05:07:33	Bright	47.000	73	57Gam1And	2.2600	13100.	94	48783	No
62	GOM_TRA_1PNPDE20110629_051009_000000493104_00062_48783_9446.N1	29-JUN-2011 05:10:09	Tw_i_and_stray	48.500	173	4Bet Tri	3.0040	8900.0	97	48783	No
63	GOM_TRA_1PNPDE20110629_051418_000000563104_00062_48783_9447.N1	29-JUN-2011 05:14:18	Dark	55.500	50	13Alp Ari	2.0070	4250.0	111	48783	No
64	GOM_TRA_1PNPDE20110629_051915_000000483104_00062_48783_9448.N1	29-JUN-2011 05:19:15	Dark	47.500	94	92Alp Cet	2.5260	3100.0	95	48783	No

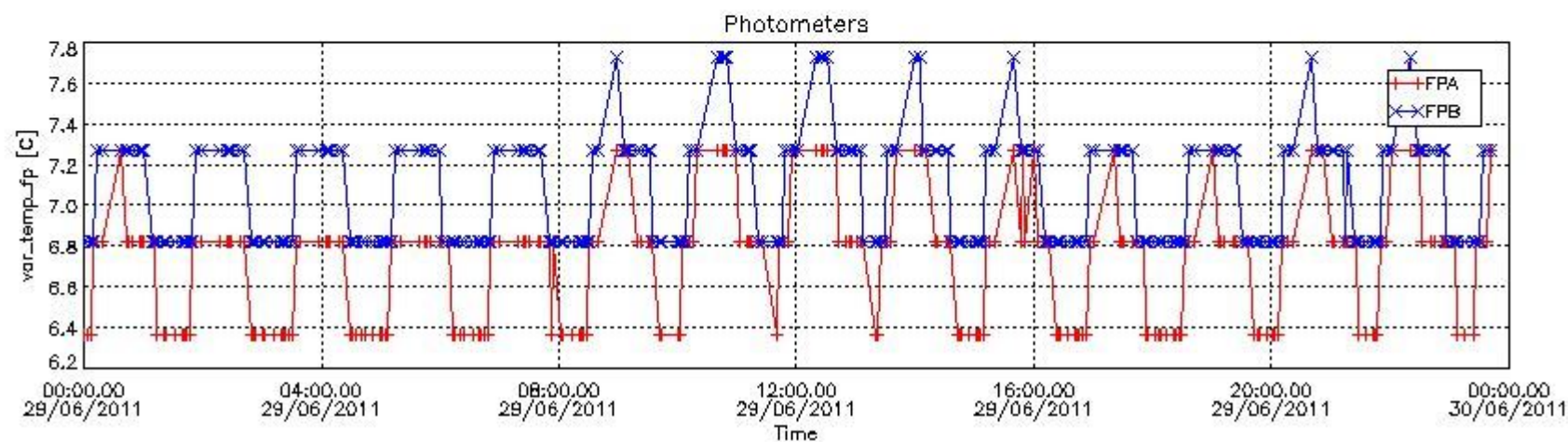
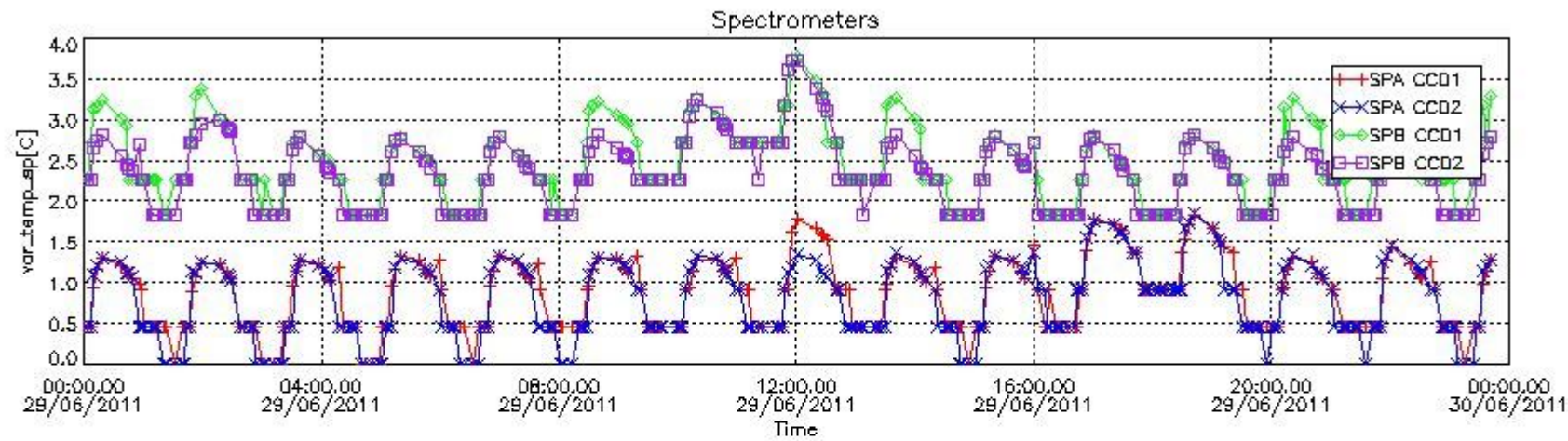
65	GOM_TRA_1PNPDE20110629_053819_000000633104_00063_48784_9449.N1	29-JUN-2011 05:38:19	Dark	62.500	84	Alp Phe	2.3970	4500.0	125	48784	No
66	GOM_TRA_1PNPDE20110629_054447_000000523104_00063_48784_9450.N1	29-JUN-2011 05:44:47	Straylight	52.000	63	Bet Gru	2.1500	2800.0	104	48784	No
67	GOM_TRA_1PNPDE20110629_054644_000000523104_00063_48784_9451.N1	29-JUN-2011 05:46:44	Straylight	51.500	31	Alp Gru	1.7340	15200.	103	48784	No
68	GOM_TRA_1PNPDE20110629_054913_000000423104_00063_48784_9452.N1	29-JUN-2011 05:49:13	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48784	No
69	GOM_TRA_1PNPDE20110629_055843_000000463104_00063_48784_9453.N1	29-JUN-2011 05:58:43	Tw_i_and_stray	45.500	103	38Zet Sgr	2.6000	9700.0	91	48784	No
70	GOM_TRA_1PNPDE20110629_060129_000000463104_00063_48784_9454.N1	29-JUN-2011 06:01:29	Bright	45.500	155	41Pi Sgr	2.9000	6600.0	91	48784	No
71	GOM_TRA_1PNPDE20110629_060952_000000383104_00063_48784_9455.N1	29-JUN-2011 06:09:52	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	48784	No
72	GOM_TRA_1PNPDE20110629_061212_000000383104_00063_48784_9456.N1	29-JUN-2011 06:12:12	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	48784	No
73	GOM_TRA_1PNPDE20110629_061407_000000463104_00063_48784_9457.N1	29-JUN-2011 06:14:07	Bright	46.000	168	17Zet Aql	2.9860	11000.	92	48784	No
74	GOM_TRA_1PNPDE20110629_062105_000000453104_00063_48784_9458.N1	29-JUN-2011 06:21:05	Bright	45.000	5	3Alp Lyr	0.033000	11000.	90	48784	No
75	GOM_TRA_1PNPDE20110629_062338_000000383104_00063_48784_9459.N1	29-JUN-2011 06:23:38	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	48784	No
76	GOM_TRA_1PNPDE20110629_063236_000000473104_00063_48784_9460.N1	29-JUN-2011 06:32:36	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48784	No
77	GOM_TRA_1PNPDK20110629_063953_000000483104_00063_48784_0220.N1	29-JUN-2011 06:39:53	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	48784	No
78	GOM_TRA_1PNPDK20110629_064133_000000503104_00063_48784_0221.N1	29-JUN-2011 06:41:33	Bright	49.500	68	18Alp Cas	2.2250	4500.0	99	48784	No
79	GOM_TRA_1PNPDK20110629_064425_000000553104_00063_48784_0222.N1	29-JUN-2011 06:44:25	Bright	54.500	160	23Gam Per	2.9300	4700.0	109	48784	No
80	GOM_TRA_1PNPDK20110629_064747_000000483104_00063_48784_0223.N1	29-JUN-2011 06:47:47	Bright	48.000	73	57Gam1And	2.2600	13100.	96	48784	No
81	GOM_TRA_1PNPDK20110629_065023_000000503104_00063_48784_0224.N1	29-JUN-2011 06:50:23	Tw_i_and_stray	50.000	173	4Bet Tri	3.0040	8900.0	100	48784	No
82	GOM_TRA_1PNPDK20110629_065433_000000543104_00063_48784_0225.N1	29-JUN-2011 06:54:33	Dark	54.000	50	13Alp Ari	2.0070	4250.0	108	48784	No
83	GOM_TRA_1PNPDK20110629_065930_000000483104_00063_48784_0226.N1	29-JUN-2011 06:59:30	Dark	48.000	94	92Alp Cet	2.5260	3100.0	96	48784	No
84	GOM_TRA_1PNPDK20110629_071834_000000473104_00064_48785_0227.N1	29-JUN-2011 07:18:34	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	48785	No
85	GOM_TRA_1PNPDK20110629_072502_000000533104_00064_48785_0228.N1	29-JUN-2011 07:25:02	Straylight	53.000	63	Bet Gru	2.1500	2800.0	106	48785	No
86	GOM_TRA_1PNPDK20110629_072659_000000483104_00064_48785_0229.N1	29-JUN-2011 07:26:59	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	48785	No
87	GOM_TRA_1PNPDK20110629_072927_000000423104_00064_48785_0230.N1	29-JUN-2011 07:29:27	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48785	No
88	GOM_TRA_1PNPDK20110629_073857_000000463104_00064_48785_0231.N1	29-JUN-2011 07:38:57	Tw_i_and_stray	46.000	103	38Zet Sgr	2.6000	9700.0	92	48785	No
89	GOM_TRA_1PNPDK20110629_074143_000000453104_00064_48785_0232.N1	29-JUN-2011 07:41:43	Bright	44.500	155	41Pi Sgr	2.9000	6600.0	89	48785	No
90	GOM_TRA_1PNPDK20110629_075006_000000383104_00064_48785_0320.N1	29-JUN-2011 07:50:06	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	48785	No
91	GOM_TRA_1PNPDK20110629_075226_000000393104_00064_48785_0321.N1	29-JUN-2011 07:52:26	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	48785	No
92	GOM_TRA_1PNPDK20110629_075420_000000463104_00064_48785_0322.N1	29-JUN-2011 07:54:20	Bright	46.000	168	17Zet Aql	2.9860	11000.	92	48785	No
93	GOM_TRA_1PNPDK20110629_080119_000000453104_00064_48785_0323.N1	29-JUN-2011 08:01:19	Bright	45.000	5	3Alp Lyr	0.033000	11000.	90	48785	No
94	GOM_TRA_1PNPDK20110629_080351_000000403104_00064_48785_0324.N1	29-JUN-2011 08:03:51	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	48785	No
95	GOM_TRA_1PNPDK20110629_081249_000000463104_00064_48785_0325.N1	29-JUN-2011 08:12:49	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48785	No
96	GOM_TRA_1PNPDK20110629_082007_000000483104_00064_48785_0326.N1	29-JUN-2011 08:20:07	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	48785	No
97	GOM_TRA_1PNPDK20110629_082147_000000503104_00064_48785_0327.N1	29-JUN-2011 08:21:47	Bright	50.000	68	18Alp Cas	2.2250	4500.0	100	48785	No
98	GOM_TRA_1PNPDK20110629_082438_000000363104_00064_48785_0328.N1	29-JUN-2011 08:24:38	Bright	36.000	160	23Gam Per	2.9300	4700.0	72	48785	No
99	GOM_TRA_1PNPDK20110629_082801_000000463104_00064_48785_0329.N1	29-JUN-2011 08:28:01	Bright	46.000	73	57Gam1And	2.2600	13100.	92	48785	No
100	GOM_TRA_1PNPDK20110629_083037_000000503104_00064_48785_0330.N1	29-JUN-2011 08:30:37	Tw_i_and_stray	49.500	173	4Bet Tri	3.0040	8900.0	99	48785	No
101	GOM_TRA_1PNPDK20110629_083447_000000573104_00064_48785_0331.N1	29-JUN-2011 08:34:47	Dark	57.000	50	13Alp Ari	2.0070	4250.0	114	48785	No
102	GOM_TRA_1PNPDK20110629_083944_000000493104_00064_48785_0332.N1	29-JUN-2011 08:39:44	Dark	48.500	94	92Alp Cet	2.5260	3100.0	97	48785	No
103	GOM_TRA_1PNPDK20110629_085849_000000533104_00065_48786_0333.N1	29-JUN-2011 08:58:49	Dark	52.500	84	Alp Phe	2.3970	4500.0	105	48786	No
104	GOM_TRA_1PNPDK20110629_090517_000000653104_00065_48786_0334.N1	29-JUN-2011 09:05:17	Straylight	65.000	63	Bet Gru	2.1500	2800.0	130	48786	No
105	GOM_TRA_1PNPDK20110629_090714_000000493104_00065_48786_0335.N1	29-JUN-2011 09:07:14	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	48786	No
106	GOM_TRA_1PNPDK20110629_090942_000000413104_00065_48786_0336.N1	29-JUN-2011 09:09:42	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	48786	No
107	GOM_TRA_1PNPDK20110629_091912_000000483104_00065_48786_0337.N1	29-JUN-2011 09:19:12	Tw_i_and_stray	47.500	103	38Zet Sgr	2.6000	9700.0	95	48786	No
108	GOM_TRA_1PNPDK20110629_092158_000000463104_00065_48786_0338.N1	29-JUN-2011 09:21:58	Bright	45.500	155	41Pi Sgr	2.9000	6600.0	91	48786	No
109	GOM_TRA_1PNPDK20110629_093020_000000383104_00065_48786_0298.N1	29-JUN-2011 09:30:20	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	48786	No
110	GOM_TRA_1PNPDK20110629_093240_000000383104_00065_48786_0299.N1	29-JUN-2011 09:32:40	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	48786	No
111	GOM_TRA_1PNPDK20110629_093434_000000503104_00065_48786_0300.N1	29-JUN-2011 09:34:34	Bright	50.000	168	17Zet Aql	2.9860	11000.	100	48786	No
112	GOM_TRA_1PNPDK20110629_094132_000000443104_00065_48786_0301.N1	29-JUN-2011 09:41:32	Bright	44.000	5	3Alp Lyr	0.033000	11000.	88	48786	No
113	GOM_TRA_1PNPDK20110629_094405_000000393104_00065_48786_0302.N1	29-JUN-2011 09:44:05	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	48786	No
114	GOM_TRA_1PNPDK20110629_100020_000000473104_00065_48786_0303.N1	29-JUN-2011 10:00:20	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	48786	No
115	GOM_TRA_1PNPDK20110629_100201_000000513104_00065_48786_0304.N1	29-JUN-2011 10:02:01	Bright	50.500	68	18Alp Cas	2.2250	4500.0	101	48786	No
116	GOM_TRA_1PNPDK20110629_100452_000000373104_00065_48786_0305.N1	29-JUN-2011 10:04:52	Bright	36.500	160	23Gam Per	2.9300	4700.0	73	48786	No
117	GOM_TRA_1PNPDK20110629_100815_000000483104_00065_48786_0306.N1	29-JUN-2011 10:08:15	Bright	47.500	73	57Gam1And	2.2600	13100.	95	48786	No
118	GOM_TRA_1PNPDK20110629_101051_000000483104_00065_48786_0307.N1	29-JUN-2011 10:10:51	Tw_i_and_stray	48.000	173	4Bet Tri	3.0040	8900.0	96	48786	No
119	GOM_TRA_1PNPDK20110629_101502_000000613104_00065_48786_0308.N1	29-JUN-2011 10:15:02	Dark	60.500	50	13Alp Ari	2.0070	4250.0	121	48786	No
120	GOM_TRA_1PNPDK20110629_101959_000000473104_00065_48786_0309.N1	29-JUN-2011 10:19:59	Dark	46.500	94	92Alp Cet	2.5260	3100.0	93	48786	No
121	GOM_TRA_1PNPDK20110629_103904_000000513104_00066_48787_0310.N1	29-JUN-2011 10:39:04	Dark	51.000	84	Alp Phe	2.3970	4500.0	102	48787	No
122	GOM_TRA_1PNPDK20110629_104532_000000693104_00066_48787_0311.N1	29-JUN-2011 10:45:32	Straylight	69.000	63	Bet Gru	2.1500	2800.0	138	48787	No
123	GOM_TRA_1PNPDK20110629_104729_000000513104_00066_48787_0312.N1	29-JUN-2011 10:47:29	Straylight	50.500	31	Alp Gru	1.7340	15200.	101	48787	No

124	GOM_TRA_1PNPDK20110629_104956_000000453104_00066_48787_0313.N1	29-JUN-2011 10:49:56	Straylight	44.500	45	Alp Pav	1.9400	26000.	89	48787	No
125	GOM_TRA_1PNPDK20110629_105926_000000463104_00066_48787_0314.N1	29-JUN-2011 10:59:26	Twilight_stray	46.000	103	38Zet Sgr	2.6000	9700.0	92	48787	No
126	GOM_TRA_1PNPDK20110629_110212_000000463104_00066_48787_0315.N1	29-JUN-2011 11:02:12	Bright	45.500	155	41Pi Sgr	2.9000	6600.0	91	48787	No
127	GOM_TRA_1PNPDK20110629_111034_000000393104_00066_48787_0359.N1	29-JUN-2011 11:10:34	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	48787	No
128	GOM_TRA_1PNPDK20110629_111253_000000373104_00066_48787_0360.N1	29-JUN-2011 11:12:53	Bright	37.000	59	55Alp Oph	2.0800	8900.0	74	48787	No
129	GOM_TRA_1PNPDK20110629_111447_000000513104_00066_48787_0361.N1	29-JUN-2011 11:14:47	Bright	51.000	168	17Zet Aql	2.9860	11000.	102	48787	No
130	GOM_TRA_1PNPDK20110629_112146_000000493104_00066_48787_0362.N1	29-JUN-2011 11:21:46	Bright	48.500	5	3Alp Lyr	0.033000	11000.	97	48787	No
131	GOM_TRA_1PNPDK20110629_112419_000000403104_00066_48787_0363.N1	29-JUN-2011 11:24:19	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	48787	No
132	GOM_TRA_1PNPDK20110629_114033_000000483104_00066_48787_0364.N1	29-JUN-2011 11:40:33	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	48787	No
133	GOM_TRA_1PNPDK20110629_114214_000000473104_00066_48787_0365.N1	29-JUN-2011 11:42:14	Bright	46.500	68	18Alp Cas	2.2250	4500.0	93	48787	No
134	GOM_TRA_1PNPDK20110629_114506_000000563104_00066_48787_0366.N1	29-JUN-2011 11:45:06	Bright	56.000	160	23Gam Per	2.9300	4700.0	112	48787	No
135	GOM_TRA_1PNPDK20110629_114829_000000483104_00066_48787_0367.N1	29-JUN-2011 11:48:29	Bright	48.000	73	57Gam1And	2.2600	13100.	96	48787	No
136	GOM_TRA_1PNPDK20110629_115105_000000493104_00066_48787_0368.N1	29-JUN-2011 11:51:05	Twilight_stray	49.000	173	4Bet Tri	3.0040	8900.0	98	48787	No
137	GOM_TRA_1PNPDK20110629_115516_000000563104_00066_48787_0369.N1	29-JUN-2011 11:55:16	Dark	56.000	50	13Alp Ari	2.0070	4250.0	112	48787	No
138	GOM_TRA_1PNPDK20110629_120013_000000473104_00066_48787_0370.N1	29-JUN-2011 12:00:13	Dark	47.000	94	92Alp Cet	2.5260	3100.0	94	48787	No
139	GOM_TRA_1PNPDK20110629_121919_000000523104_00067_48788_0371.N1	29-JUN-2011 12:19:19	Dark	51.500	84	Alp Phe	2.3970	4500.0	103	48788	No
140	GOM_TRA_1PNPDK20110629_122547_000000533104_00067_48788_0372.N1	29-JUN-2011 12:25:47	Straylight	52.500	63	Bet Gru	2.1500	2800.0	105	48788	No
141	GOM_TRA_1PNPDK20110629_122744_000000503104_00067_48788_0373.N1	29-JUN-2011 12:27:44	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	48788	No
142	GOM_TRA_1PNPDK20110629_123011_000000453104_00067_48788_0374.N1	29-JUN-2011 12:30:11	Straylight	45.000	45	Alp Pav	1.9400	26000.	90	48788	No
143	GOM_TRA_1PNPDK20110629_123940_000000453104_00067_48788_0375.N1	29-JUN-2011 12:39:40	Twilight_stray	45.000	103	38Zet Sgr	2.6000	9700.0	90	48788	No
144	GOM_TRA_1PNPDK20110629_124226_000000453104_00067_48788_0376.N1	29-JUN-2011 12:42:26	Bright	45.000	155	41Pi Sgr	2.9000	6600.0	90	48788	No
145	GOM_TRA_1PNPDK20110629_125048_000000393104_00067_48788_0392.N1	29-JUN-2011 12:50:48	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	48788	No
146	GOM_TRA_1PNPDK20110629_125307_000000363104_00067_48788_0393.N1	29-JUN-2011 12:53:07	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	48788	No
147	GOM_TRA_1PNPDK20110629_125501_000000493104_00067_48788_0394.N1	29-JUN-2011 12:55:01	Bright	48.500	168	17Zet Aql	2.9860	11000.	97	48788	No
148	GOM_TRA_1PNPDK20110629_130159_000000473104_00067_48788_0395.N1	29-JUN-2011 13:01:59	Bright	46.500	5	3Alp Lyr	0.033000	11000.	93	48788	No
149	GOM_TRA_1PNPDK20110629_130433_000000393104_00067_48788_0396.N1	29-JUN-2011 13:04:33	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48788	No
150	GOM_TRA_1PNPDK20110629_130632_000000333104_00067_48788_0397.N1	29-JUN-2011 13:06:32	Twilight_stray	33.000	144	18Del Cyg	2.8600	11000.	66	48788	No
151	GOM_TRA_1PNPDK20110629_132047_000000703104_00067_48788_0398.N1	29-JUN-2011 13:20:47	Bright	70.000	74	11Bet Cas	2.2680	6600.0	140	48788	No
152	GOM_TRA_1PNPDK20110629_132228_000000503104_00067_48788_0399.N1	29-JUN-2011 13:22:28	Bright	49.500	68	18Alp Cas	2.2250	4500.0	99	48788	No
153	GOM_TRA_1PNPDK20110629_132520_000000363104_00067_48788_0400.N1	29-JUN-2011 13:25:20	Bright	35.500	160	23Gam Per	2.9300	4700.0	71	48788	No
154	GOM_TRA_1PNPDK20110629_132843_000000573104_00067_48788_0401.N1	29-JUN-2011 13:28:43	Bright	56.500	73	57Gam1And	2.2600	13100.	113	48788	No
155	GOM_TRA_1PNPDK20110629_133119_000000513104_00067_48788_0402.N1	29-JUN-2011 13:31:19	Twilight_stray	50.500	173	4Bet Tri	3.0040	8900.0	101	48788	No
156	GOM_TRA_1PNPDK20110629_133530_000000553104_00067_48788_0403.N1	29-JUN-2011 13:35:30	Dark	55.000	50	13Alp Ari	2.0070	4250.0	110	48788	No
157	GOM_TRA_1PNPDK20110629_134027_000000483104_00067_48788_0404.N1	29-JUN-2011 13:40:27	Dark	47.500	94	92Alp Cet	2.5260	3100.0	95	48788	No
158	GOM_TRA_1PNPDK20110629_135934_000000593104_00068_48789_0405.N1	29-JUN-2011 13:59:34	Dark	59.000	84	Alp Phe	2.3970	4500.0	118	48789	No
159	GOM_TRA_1PNPDK20110629_140602_000000513104_00068_48789_0406.N1	29-JUN-2011 14:06:02	Straylight	50.500	63	Bet Gru	2.1500	2800.0	101	48789	No
160	GOM_TRA_1PNPDK20110629_140759_000000503104_00068_48789_0407.N1	29-JUN-2011 14:07:59	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	48789	No
161	GOM_TRA_1PNPDK20110629_141025_000000413104_00068_48789_0408.N1	29-JUN-2011 14:10:25	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48789	No
162	GOM_TRA_1PNPDK20110629_141954_000000463104_00068_48789_0409.N1	29-JUN-2011 14:19:54	Twilight_stray	46.000	103	38Zet Sgr	2.6000	9700.0	92	48789	No
163	GOM_TRA_1PNPDK20110629_142240_000000453104_00068_48789_0410.N1	29-JUN-2011 14:22:40	Bright	44.500	155	41Pi Sgr	2.9000	6600.0	89	48789	No
164	GOM_TRA_1PNPDK20110629_143102_000000393104_00068_48789_0425.N1	29-JUN-2011 14:31:02	Bright	39.000	126	60Bet Oph	2.7700	4250.0	78	48789	No
165	GOM_TRA_1PNPDK20110629_143321_000000403104_00068_48789_0426.N1	29-JUN-2011 14:33:21	Bright	39.500	59	55Alp Oph	2.0800	8900.0	79	48789	No
166	GOM_TRA_1PNPDK20110629_143514_000000513104_00068_48789_0427.N1	29-JUN-2011 14:35:14	Bright	50.500	168	17Zet Aql	2.9860	11000.	101	48789	No
167	GOM_TRA_1PNPDK20110629_144213_000000453104_00068_48789_0428.N1	29-JUN-2011 14:42:13	Bright	44.500	5	3Alp Lyr	0.033000	11000.	89	48789	No
168	GOM_TRA_1PNPDK20110629_144447_000000353104_00068_48789_0429.N1	29-JUN-2011 14:44:47	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	48789	No
169	GOM_TRA_1PNPDK20110629_144645_000000333104_00068_48789_0430.N1	29-JUN-2011 14:46:45	Twilight_stray	33.000	144	18Del Cyg	2.8600	11000.	66	48789	No
170	GOM_TRA_1PNPDK20110629_145343_000000473104_00068_48789_0431.N1	29-JUN-2011 14:53:43	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48789	No
171	GOM_TRA_1PNPDK20110629_150101_000000483104_00068_48789_0432.N1	29-JUN-2011 15:01:01	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	48789	No
172	GOM_TRA_1PNPDK20110629_150241_000000473104_00068_48789_0433.N1	29-JUN-2011 15:02:41	Bright	47.000	68	18Alp Cas	2.2250	4500.0	94	48789	No
173	GOM_TRA_1PNPDK20110629_150534_000000363104_00068_48789_0434.N1	29-JUN-2011 15:05:34	Bright	36.000	160	23Gam Per	2.9300	4700.0	72	48789	No
174	GOM_TRA_1PNPDK20110629_150857_000000463104_00068_48789_0435.N1	29-JUN-2011 15:08:57	Bright	46.000	73	57Gam1And	2.2600	13100.	92	48789	No
175	GOM_TRA_1PNPDK20110629_151133_000000483104_00068_48789_0436.N1	29-JUN-2011 15:11:33	Twilight_stray	47.500	173	4Bet Tri	3.0040	8900.0	95	48789	No
176	GOM_TRA_1PNPDK20110629_151544_000000523104_00068_48789_0437.N1	29-JUN-2011 15:15:44	Dark	52.000	50	13Alp Ari	2.0070	4250.0	104	48789	No
177	GOM_TRA_1PNPDK20110629_152042_000000503104_00068_48789_0438.N1	29-JUN-2011 15:20:42	Dark	50.000	94	92Alp Cet	2.5260	3100.0	100	48789	No
178	GOM_TRA_1PNPDK20110629_153949_000000493104_00069_48790_0439.N1	29-JUN-2011 15:39:49	Dark	48.500	84	Alp Phe	2.3970	4500.0	97	48790	No
179	GOM_TRA_1PNPDK20110629_154617_000000513104_00069_48790_0440.N1	29-JUN-2011 15:46:17	Straylight	51.000	63	Bet Gru	2.1500	2800.0	102	48790	No
180	GOM_TRA_1PNPDK20110629_154813_000000513104_00069_48790_0441.N1	29-JUN-2011 15:48:13	Straylight	51.000	31	Alp Gru	1.7340	15200.	102	48790	No
181	GOM_TRA_1PNPDK20110629_155040_000000413104_00069_48790_0442.N1	29-JUN-2011 15:50:40	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48790	No
182	GOM_TRA_1PNPDK20110629_160008_000000473104_00069_48790_0488.N1	29-JUN-2011 16:00:08	Twilight_stray	46.500	103	38Zet Sgr	2.6000	9700.0	93	48790	No

183	GOM_TRA_1PNPDK20110629_160254_000000463104_00069_48790_0489.N1	29-JUN-2011 16:02:54	Bright	46.000	155	41Pi Sgr	2.9000	6600.0	92	48790	No
184	GOM_TRA_1PNPDK20110629_161116_000000393104_00069_48790_0490.N1	29-JUN-2011 16:11:16	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	48790	No
185	GOM_TRA_1PNPDK20110629_161335_000000373104_00069_48790_0491.N1	29-JUN-2011 16:13:35	Bright	37.000	59	55Alp Oph	2.0800	8900.0	74	48790	No
186	GOM_TRA_1PNPDK20110629_161528_000000483104_00069_48790_0492.N1	29-JUN-2011 16:15:28	Bright	48.000	168	17Zet Aql	2.9860	11000.	96	48790	No
187	GOM_TRA_1PNPDK20110629_162226_000000483104_00069_48790_0493.N1	29-JUN-2011 16:22:26	Bright	47.500	5	3Alp Lyr	0.033000	11000.	95	48790	No
188	GOM_TRA_1PNPDK20110629_162501_000000403104_00069_48790_0494.N1	29-JUN-2011 16:25:01	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	48790	No
189	GOM_TRA_1PNPDK20110629_162658_000000383104_00069_48790_0495.N1	29-JUN-2011 16:26:58	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	48790	No
190	GOM_TRA_1PNPDK20110629_163356_000000473104_00069_48790_0496.N1	29-JUN-2011 16:33:56	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48790	No
191	GOM_TRA_1PNPDK20110629_164114_000000493104_00069_48790_0497.N1	29-JUN-2011 16:41:14	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	48790	No
192	GOM_TRA_1PNPDK20110629_164255_000000503104_00069_48790_0498.N1	29-JUN-2011 16:42:55	Bright	50.000	68	18Alp Cas	2.2250	4500.0	100	48790	No
193	GOM_TRA_1PNPDK20110629_164548_000000373104_00069_48790_0499.N1	29-JUN-2011 16:45:48	Bright	36.500	160	23Gam Per	2.9300	4700.0	73	48790	No
194	GOM_TRA_1PNPDK20110629_164911_000000483104_00069_48790_0500.N1	29-JUN-2011 16:49:11	Bright	47.500	73	57Gam1And	2.2600	13100.	95	48790	No
195	GOM_TRA_1PNPDK20110629_165147_000000483104_00069_48790_0501.N1	29-JUN-2011 16:51:47	Twilight	48.000	173	4Bet Tri	3.0040	8900.0	96	48790	No
196	GOM_TRA_1PNPDK20110629_165559_000000593104_00069_48790_0502.N1	29-JUN-2011 16:55:59	Dark	59.000	50	13Alp Ari	2.0070	4250.0	118	48790	No
197	GOM_TRA_1PNPDK20110629_170056_000000493104_00069_48790_0503.N1	29-JUN-2011 17:00:56	Dark	49.000	94	92Alp Cet	2.5260	3100.0	98	48790	No
198	GOM_TRA_1PNPDK20110629_172004_000000523104_00070_48791_0504.N1	29-JUN-2011 17:20:04	Dark	51.500	84	Alp Phe	2.3970	4500.0	103	48791	No
199	GOM_TRA_1PNPDK20110629_172632_000000503104_00070_48791_0505.N1	29-JUN-2011 17:26:32	Straylight	50.000	63	Bet Gru	2.1500	2800.0	100	48791	No
200	GOM_TRA_1PNPDK20110629_172828_000000483104_00070_48791_0506.N1	29-JUN-2011 17:28:28	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	48791	No
201	GOM_TRA_1PNPDK20110629_173054_000000413104_00070_48791_0507.N1	29-JUN-2011 17:30:54	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	48791	No
202	GOM_TRA_1PNPDK20110629_174023_000000483104_00070_48791_0520.N1	29-JUN-2011 17:40:23	Twilight	48.000	103	38Zet Sgr	2.6000	9700.0	96	48791	No
203	GOM_TRA_1PNPDK20110629_174308_000000453104_00070_48791_0521.N1	29-JUN-2011 17:43:08	Bright	45.000	155	41Pi Sgr	2.9000	6600.0	90	48791	No
204	GOM_TRA_1PNPDK20110629_175130_000000393104_00070_48791_0522.N1	29-JUN-2011 17:51:30	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	48791	No
205	GOM_TRA_1PNPDK20110629_175349_000000383104_00070_48791_0523.N1	29-JUN-2011 17:53:49	Bright	38.000	59	55Alp Oph	2.0800	8900.0	76	48791	No
206	GOM_TRA_1PNPDK20110629_175542_000000673104_00070_48791_0524.N1	29-JUN-2011 17:55:42	Bright	67.000	168	17Zet Aql	2.9860	11000.	134	48791	No
207	GOM_TRA_1PNPDK20110629_180240_000000473104_00070_48791_0525.N1	29-JUN-2011 18:02:40	Bright	46.500	5	3Alp Lyr	0.033000	11000.	93	48791	No
208	GOM_TRA_1PNPDK20110629_180514_000000383104_00070_48791_0526.N1	29-JUN-2011 18:05:14	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	48791	No
209	GOM_TRA_1PNPDK20110629_180711_000000383104_00070_48791_0527.N1	29-JUN-2011 18:07:11	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	48791	No
210	GOM_TRA_1PNPDK20110629_181409_000000463104_00070_48791_0528.N1	29-JUN-2011 18:14:09	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48791	No
211	GOM_TRA_1PNPDK20110629_182127_000000503104_00070_48791_0529.N1	29-JUN-2011 18:21:27	Bright	49.500	74	11Bet Cas	2.2680	6600.0	99	48791	No
212	GOM_TRA_1PNPDK20110629_182308_000000503104_00070_48791_0530.N1	29-JUN-2011 18:23:08	Bright	50.000	68	18Alp Cas	2.2250	4500.0	100	48791	No
213	GOM_TRA_1PNPDK20110629_182602_000000513104_00070_48791_0531.N1	29-JUN-2011 18:26:02	Bright	51.000	160	23Gam Per	2.9300	4700.0	102	48791	No
214	GOM_TRA_1PNPDK20110629_182925_000000473104_00070_48791_0532.N1	29-JUN-2011 18:29:25	Bright	46.500	73	57Gam1And	2.2600	13100.	93	48791	No
215	GOM_TRA_1PNPDK20110629_183201_000000503104_00070_48791_0533.N1	29-JUN-2011 18:32:01	Twilight	50.000	173	4Bet Tri	3.0040	8900.0	100	48791	No
216	GOM_TRA_1PNPDK20110629_183613_000000583104_00070_48791_0534.N1	29-JUN-2011 18:36:13	Dark	58.000	50	13Alp Ari	2.0070	4250.0	116	48791	No
217	GOM_TRA_1PNPDK20110629_184111_000000483104_00070_48791_0535.N1	29-JUN-2011 18:41:11	Dark	47.500	94	92Alp Cet	2.5260	3100.0	95	48791	No
218	GOM_TRA_1PNPDK20110629_190019_000000503104_00071_48792_0536.N1	29-JUN-2011 19:00:19	Dark	49.500	84	Alp Phe	2.3970	4500.0	99	48792	No
219	GOM_TRA_1PNPDK20110629_190647_000000533104_00071_48792_0537.N1	29-JUN-2011 19:06:47	Straylight	52.500	63	Bet Gru	2.1500	2800.0	105	48792	No
220	GOM_TRA_1PNPDK20110629_190843_000000503104_00071_48792_0538.N1	29-JUN-2011 19:08:43	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	48792	No
221	GOM_TRA_1PNPDK20110629_191109_000000413104_00071_48792_0539.N1	29-JUN-2011 19:11:09	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48792	No
222	GOM_TRA_1PNPDK20110629_192037_000000463104_00071_48792_0540.N1	29-JUN-2011 19:20:37	Twilight	46.000	103	38Zet Sgr	2.6000	9700.0	92	48792	No
223	GOM_TRA_1PNPDK20110629_192323_000000463104_00071_48792_0541.N1	29-JUN-2011 19:23:23	Bright	45.500	155	41Pi Sgr	2.9000	6600.0	91	48792	No
224	GOM_TRA_1PNPDK20110629_193144_000000393104_00071_48792_0542.N1	29-JUN-2011 19:31:44	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	48792	No
225	GOM_TRA_1PNPDK20110629_193403_000000373104_00071_48792_0543.N1	29-JUN-2011 19:34:03	Bright	37.000	59	55Alp Oph	2.0800	8900.0	74	48792	No
226	GOM_TRA_1PNPDK20110629_193555_000000483104_00071_48792_0544.N1	29-JUN-2011 19:35:55	Bright	48.000	168	17Zet Aql	2.9860	11000.	96	48792	No
227	GOM_TRA_1PNPDK20110629_194253_000000433104_00071_48792_0545.N1	29-JUN-2011 19:42:53	Bright	43.000	5	3Alp Lyr	0.033000	11000.	86	48792	No
228	GOM_TRA_1PNPDK20110629_194528_000000373104_00071_48792_0546.N1	29-JUN-2011 19:45:28	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	48792	No
229	GOM_TRA_1PNPDK20110629_194724_000000423104_00071_48792_0547.N1	29-JUN-2011 19:47:24	Bright	42.000	144	18Del Cyg	2.8600	11000.	84	48792	No
230	GOM_TRA_1PNPDK20110629_195423_000000473104_00071_48792_0548.N1	29-JUN-2011 19:54:23	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48792	No
231	GOM_TRA_1PNPDK20110629_200141_000000703104_00071_48792_0549.N1	29-JUN-2011 20:01:41	Bright	70.000	74	11Bet Cas	2.2680	6600.0	140	48792	No
232	GOM_TRA_1PNPDK20110629_200322_000000483104_00071_48792_0550.N1	29-JUN-2011 20:03:22	Bright	47.500	68	18Alp Cas	2.2250	4500.0	95	48792	No
233	GOM_TRA_1PNPDK20110629_200616_000000563104_00071_48792_0551.N1	29-JUN-2011 20:06:16	Bright	56.000	160	23Gam Per	2.9300	4700.0	112	48792	No
234	GOM_TRA_1PNPDK20110629_200938_000000483104_00071_48792_0552.N1	29-JUN-2011 20:09:38	Bright	48.000	73	57Gam1And	2.2600	13100.	96	48792	No
235	GOM_TRA_1PNPDK20110629_201215_000000503104_00071_48792_0553.N1	29-JUN-2011 20:12:15	Twilight	50.000	173	4Bet Tri	3.0040	8900.0	100	48792	No
236	GOM_TRA_1PNPDK20110629_201627_000000573104_00071_48792_0554.N1	29-JUN-2011 20:16:27	Dark	57.000	50	13Alp Ari	2.0070	4250.0	114	48792	No
237	GOM_TRA_1PNPDK20110629_202125_000000423104_00071_48792_0555.N1	29-JUN-2011 20:21:25	Dark	41.500	94	92Alp Cet	2.5260	3100.0	83	48792	No
238	GOM_TRA_1PNPDK20110629_204034_000000493104_00072_48793_0556.N1	29-JUN-2011 20:40:34	Dark	48.500	84	Alp Phe	2.3970	4500.0	97	48793	No
239	GOM_TRA_1PNPDK20110629_204702_000000523104_00072_48793_0557.N1	29-JUN-2011 20:47:02	Straylight	51.500	63	Bet Gru	2.1500	2800.0	103	48793	No
240	GOM_TRA_1PNPDK20110629_204858_000000483104_00072_48793_0558.N1	29-JUN-2011 20:48:58	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	48793	No
241	GOM_TRA_1PNPDK20110629_205123_000000413104_00072_48793_0559.N1	29-JUN-2011 20:51:23	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	48793	No

242	GOM_TRA_1PNPDE20110629_210051_000000483104_00072_48793_9476.N1	29-JUN-2011 21:00:51	Twilight	47.500	103	38Zet Sgr	2.6000	9700.0	95	48793	No
243	GOM_TRA_1PNPDE20110629_210337_000000463104_00072_48793_9477.N1	29-JUN-2011 21:03:37	Bright	46.000	155	41Pi Sgr	2.9000	6600.0	92	48793	No
244	GOM_TRA_1PNPDE20110629_211158_000000383104_00072_48793_9478.N1	29-JUN-2011 21:11:58	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	48793	No
245	GOM_TRA_1PNPDE20110629_211417_000000373104_00072_48793_9479.N1	29-JUN-2011 21:14:17	Bright	37.000	59	55Alp Oph	2.0800	8900.0	74	48793	No
246	GOM_TRA_1PNPDE20110629_211608_000000503104_00072_48793_9480.N1	29-JUN-2011 21:16:08	Bright	50.000	168	17Zet Aql	2.9860	11000.	100	48793	No
247	GOM_TRA_1PNPDE20110629_212307_000000423104_00072_48793_9481.N1	29-JUN-2011 21:23:07	Bright	42.000	5	3Alp Lyr	0.033000	11000.	84	48793	No
248	GOM_TRA_1PNPDE20110629_212542_000000403104_00072_48793_9482.N1	29-JUN-2011 21:25:42	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	48793	No
249	GOM_TRA_1PNPDE20110629_212737_000000423104_00072_48793_9483.N1	29-JUN-2011 21:27:37	Bright	42.000	144	18Del Cyg	2.8600	11000.	84	48793	No
250	GOM_TRA_1PNPDE20110629_213436_000000453104_00072_48793_9484.N1	29-JUN-2011 21:34:36	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	48793	No
251	GOM_TRA_1PNPDE20110629_214154_000000683104_00072_48793_9485.N1	29-JUN-2011 21:41:54	Bright	68.000	74	11Bet Cas	2.2680	6600.0	136	48793	No
252	GOM_TRA_1PNPDE20110629_214335_000000493104_00072_48793_9486.N1	29-JUN-2011 21:43:35	Bright	48.500	68	18Alp Cas	2.2250	4500.0	97	48793	No
253	GOM_TRA_1PNPDE20110629_214630_000000563104_00072_48793_9487.N1	29-JUN-2011 21:46:30	Bright	56.000	160	23Gam Per	2.9300	4700.0	112	48793	No
254	GOM_TRA_1PNPDE20110629_214952_000000503104_00072_48793_9488.N1	29-JUN-2011 21:49:52	Bright	49.500	73	57Gam1And	2.2600	13100.	99	48793	No
255	GOM_TRA_1PNPDE20110629_215229_000000503104_00072_48793_9489.N1	29-JUN-2011 21:52:29	Twilight	49.500	173	4Bet Tri	3.0040	8900.0	99	48793	No
256	GOM_TRA_1PNPDE20110629_215642_000000593104_00072_48793_9490.N1	29-JUN-2011 21:56:42	Dark	58.500	50	13Alp Ari	2.0070	4250.0	117	48793	No
257	GOM_TRA_1PNPDE20110629_220140_000000443104_00072_48793_9491.N1	29-JUN-2011 22:01:40	Dark	43.500	94	92Alp Cet	2.5260	3100.0	87	48793	No
258	GOM_TRA_1PNPDE20110629_222049_000000493104_00073_48794_9497.N1	29-JUN-2011 22:20:49	Dark	49.000	84	Alp Phe	2.3970	4500.0	98	48794	No
259	GOM_TRA_1PNPDE20110629_222717_000000513104_00073_48794_9498.N1	29-JUN-2011 22:27:17	Straylight	50.500	63	Bet Gru	2.1500	2800.0	101	48794	No
260	GOM_TRA_1PNPDE20110629_222913_000000493104_00073_48794_9499.N1	29-JUN-2011 22:29:13	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	48794	No
261	GOM_TRA_1PNPDE20110629_223137_000000423104_00073_48794_9500.N1	29-JUN-2011 22:31:37	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48794	No
262	GOM_TRA_1PNPDE20110629_224106_000000473104_00073_48794_9501.N1	29-JUN-2011 22:41:06	Twilight	47.000	103	38Zet Sgr	2.6000	9700.0	94	48794	No
263	GOM_TRA_1PNPDE20110629_224351_000000453104_00073_48794_9502.N1	29-JUN-2011 22:43:51	Bright	45.000	155	41Pi Sgr	2.9000	6600.0	90	48794	No
264	GOM_TRA_1PNPDE20110629_225211_000000383104_00073_48794_9503.N1	29-JUN-2011 22:52:11	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	48794	No
265	GOM_TRA_1PNPDE20110629_225431_000000373104_00073_48794_9504.N1	29-JUN-2011 22:54:31	Bright	37.000	59	55Alp Oph	2.0800	8900.0	74	48794	No
266	GOM_TRA_1PNPDE20110629_225622_000000473104_00073_48794_9505.N1	29-JUN-2011 22:56:22	Bright	47.000	168	17Zet Aql	2.9860	11000.	94	48794	No
267	GOM_TRA_1PNPDE20110629_230320_000000413104_00073_48794_9506.N1	29-JUN-2011 23:03:20	Bright	40.500	5	3Alp Lyr	0.033000	11000.	81	48794	No
268	GOM_TRA_1PNPDE20110629_230556_000000383104_00073_48794_9507.N1	29-JUN-2011 23:05:56	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	48794	No
269	GOM_TRA_1PNPDE20110629_230750_000000473104_00073_48794_9508.N1	29-JUN-2011 23:07:50	Bright	47.000	144	18Del Cyg	2.8600	11000.	94	48794	No
270	GOM_TRA_1PNPDE20110629_231449_000000473104_00073_48794_9509.N1	29-JUN-2011 23:14:49	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48794	No
271	GOM_TRA_1PNPDE20110629_232349_000000503104_00073_48794_9510.N1	29-JUN-2011 23:23:49	Bright	49.500	68	18Alp Cas	2.2250	4500.0	99	48794	No
272	GOM_TRA_1PNPDE20110629_232644_000000563104_00073_48794_9511.N1	29-JUN-2011 23:26:44	Bright	56.000	160	23Gam Per	2.9300	4700.0	112	48794	No
273	GOM_TRA_1PNPDE20110629_233006_000000503104_00073_48794_9512.N1	29-JUN-2011 23:30:06	Bright	49.500	73	57Gam1And	2.2600	13100.	99	48794	No
274	GOM_TRA_1PNPDE20110629_233243_000000493104_00073_48794_9513.N1	29-JUN-2011 23:32:43	Twilight	48.500	173	4Bet Tri	3.0040	8900.0	97	48794	No
275	GOM_TRA_1PNPDE20110629_233656_000000573104_00073_48794_9514.N1	29-JUN-2011 23:36:56	Dark	57.000	50	13Alp Ari	2.0070	4250.0	114	48794	No
276	GOM_TRA_1PNPDE20110629_234154_000000483104_00073_48794_9515.N1	29-JUN-2011 23:41:54	Dark	47.500	94	92Alp Cet	2.5260	3100.0	95	48794	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).

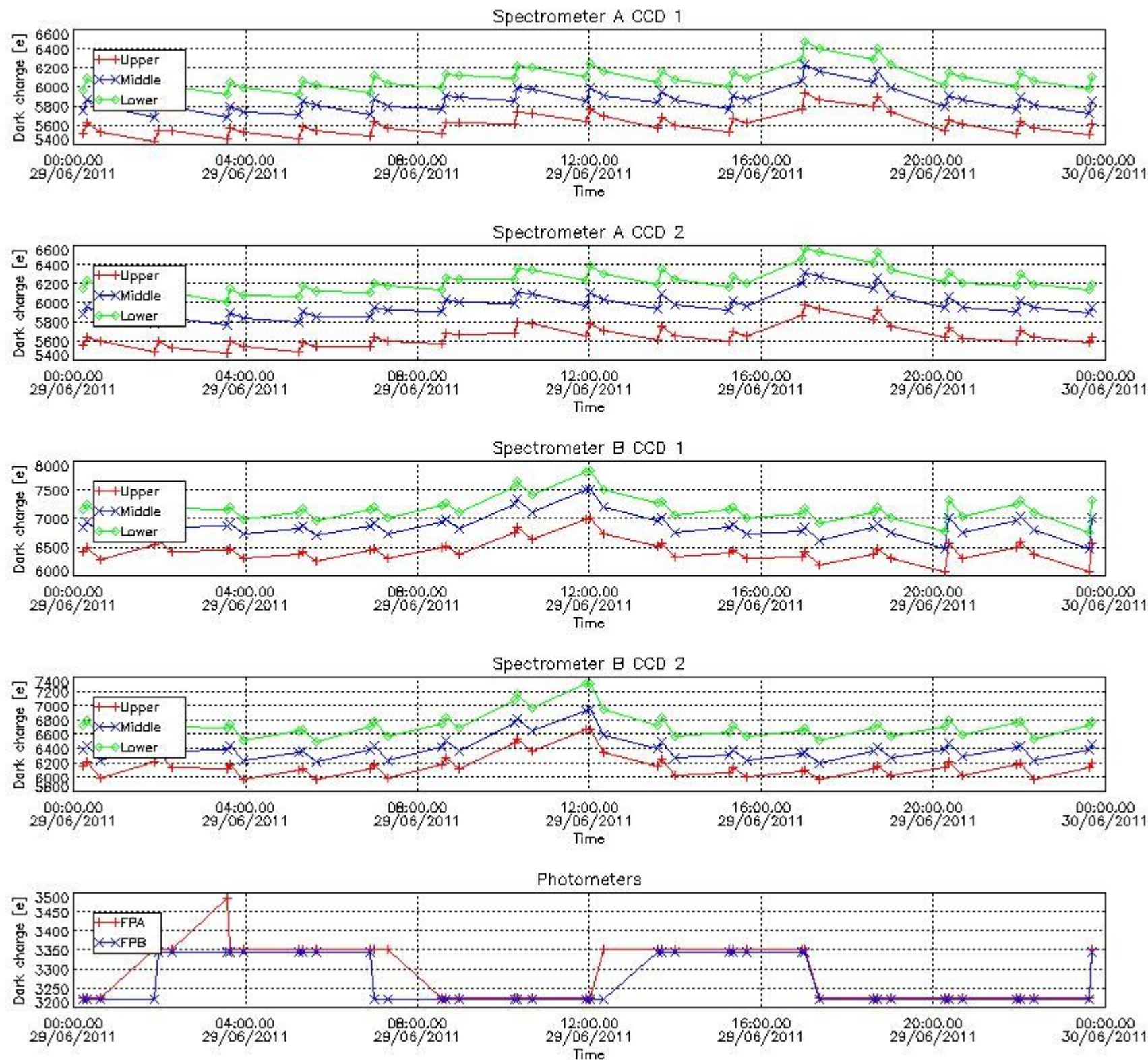
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110629_210051_000000483104_00072_48793_9476.N1	DC map used
GOM_TRA_1PNPDE20110629_210337_000000463104_00072_48793_9477.N1	DC map used
GOM_TRA_1PNPDE20110629_211158_000000383104_00072_48793_9478.N1	DC map used
GOM_TRA_1PNPDE20110629_211417_000000373104_00072_48793_9479.N1	DC map used
GOM_TRA_1PNPDE20110629_211608_000000503104_00072_48793_9480.N1	DC map used
GOM_TRA_1PNPDE20110629_212307_000000423104_00072_48793_9481.N1	DC map used
GOM_TRA_1PNPDE20110629_212542_000000403104_00072_48793_9482.N1	DC map used
GOM_TRA_1PNPDE20110629_212737_000000423104_00072_48793_9483.N1	DC map used
GOM_TRA_1PNPDE20110629_213436_000000453104_00072_48793_9484.N1	DC map used
GOM_TRA_1PNPDE20110629_214154_000000683104_00072_48793_9485.N1	DC map used
GOM_TRA_1PNPDE20110629_214335_000000493104_00072_48793_9486.N1	DC map used
GOM_TRA_1PNPDE20110629_214630_000000563104_00072_48793_9487.N1	DC map used
GOM_TRA_1PNPDE20110629_214952_000000503104_00072_48793_9488.N1	DC map used
GOM_TRA_1PNPDE20110629_215229_000000503104_00072_48793_9489.N1	DC map used

GOM_TRA_1PNPDE20110629_215642_000000593104_00072_48793_9490.N1	DC map used
GOM_TRA_1PNPDE20110629_220140_000000443104_00072_48793_9491.N1	DC map used

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



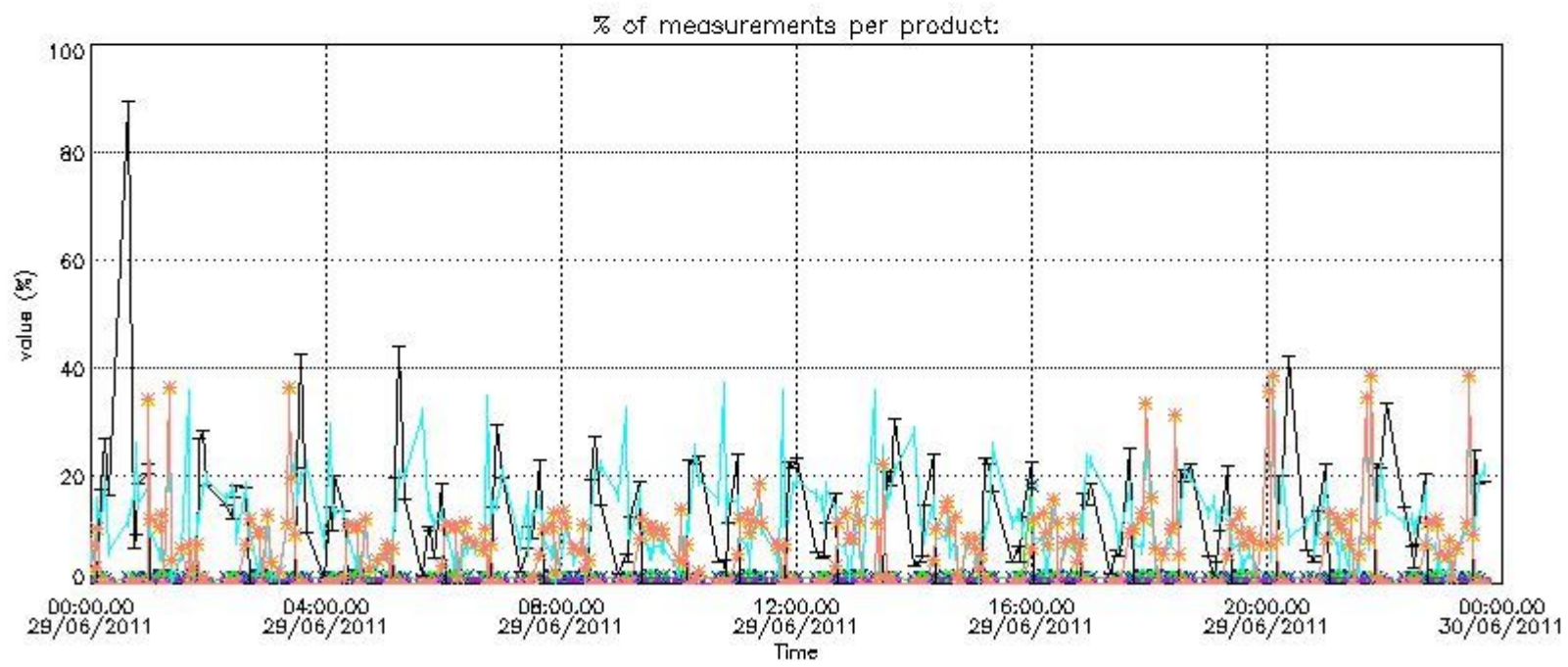
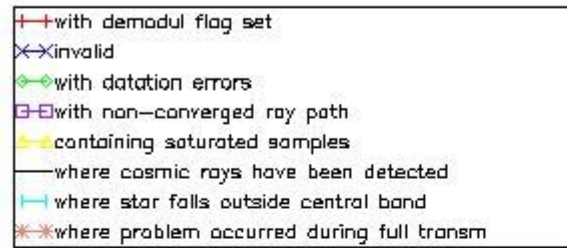
5. Demodulation flag and quality information monitoring

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.

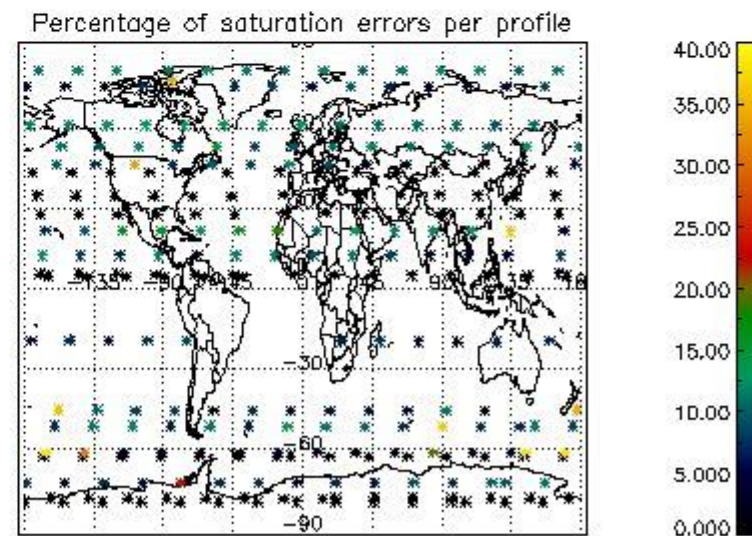
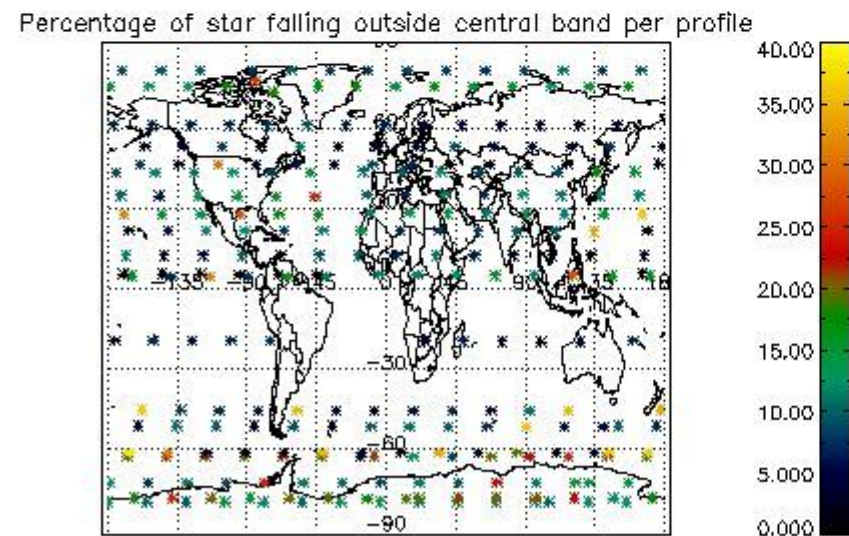
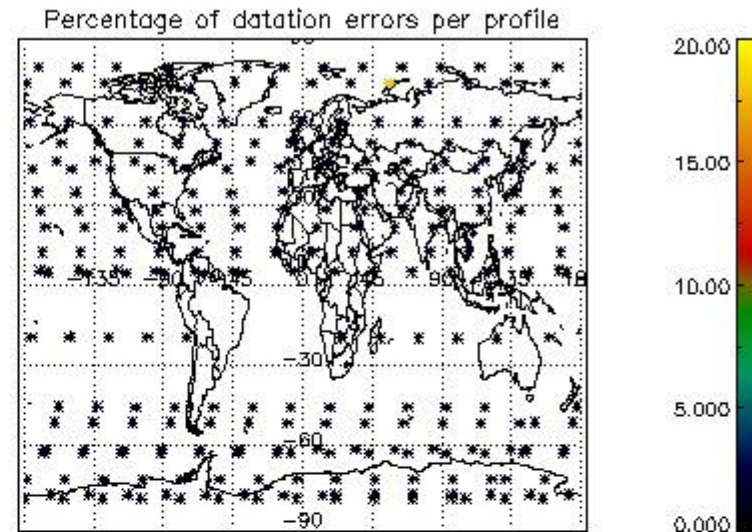
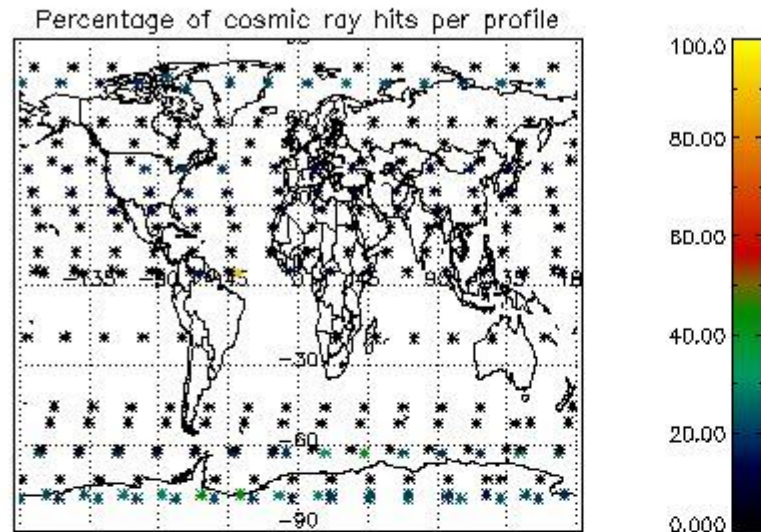
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	40.5797 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	57.2464 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



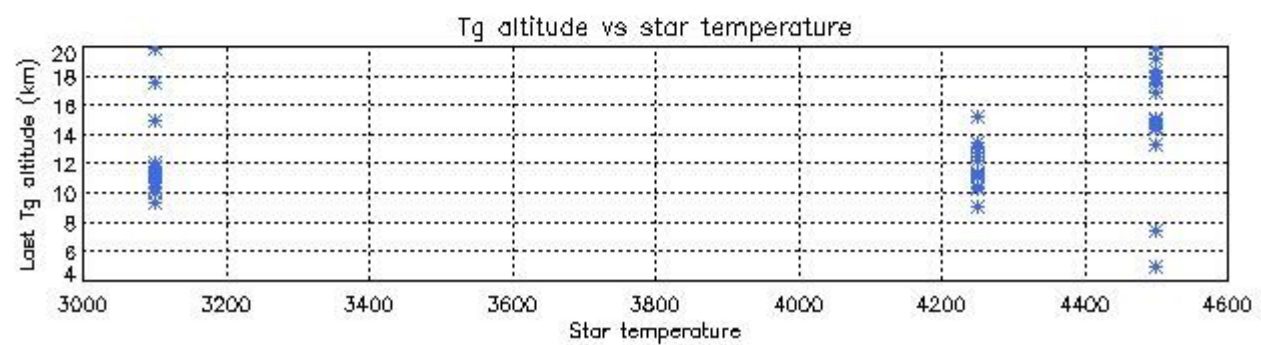
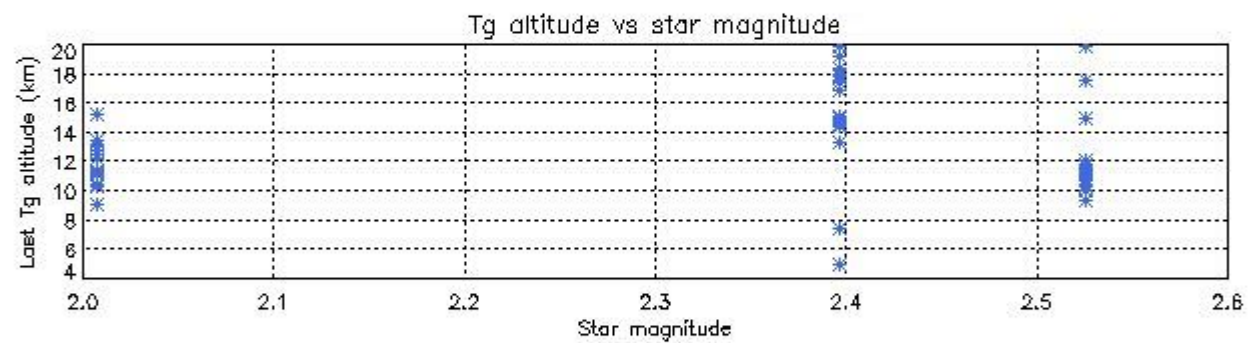
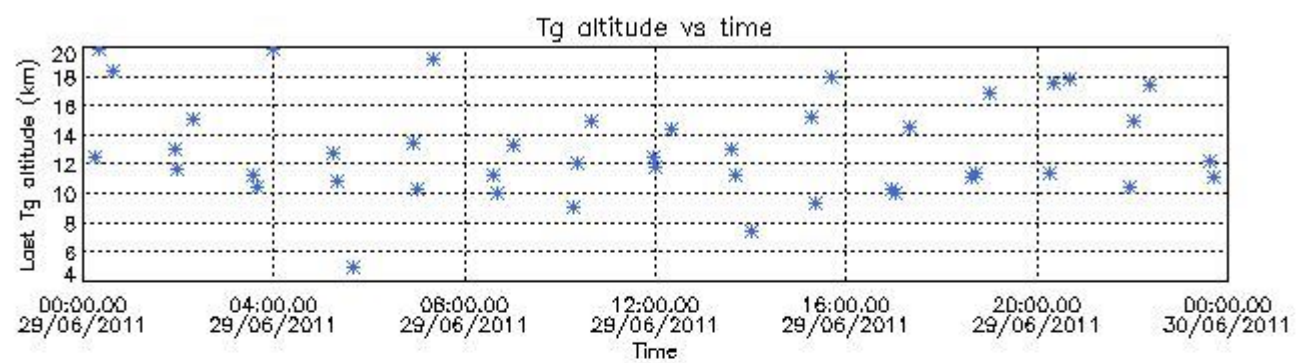
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.044	19.937	NaN
St. deviation:	3.3601	7.1392	NaN
Maximum:	19.897	46.828	NaN
Minimum:	4.9925	3.3294	NaN
Number of data:	44.000	158.00	NaN

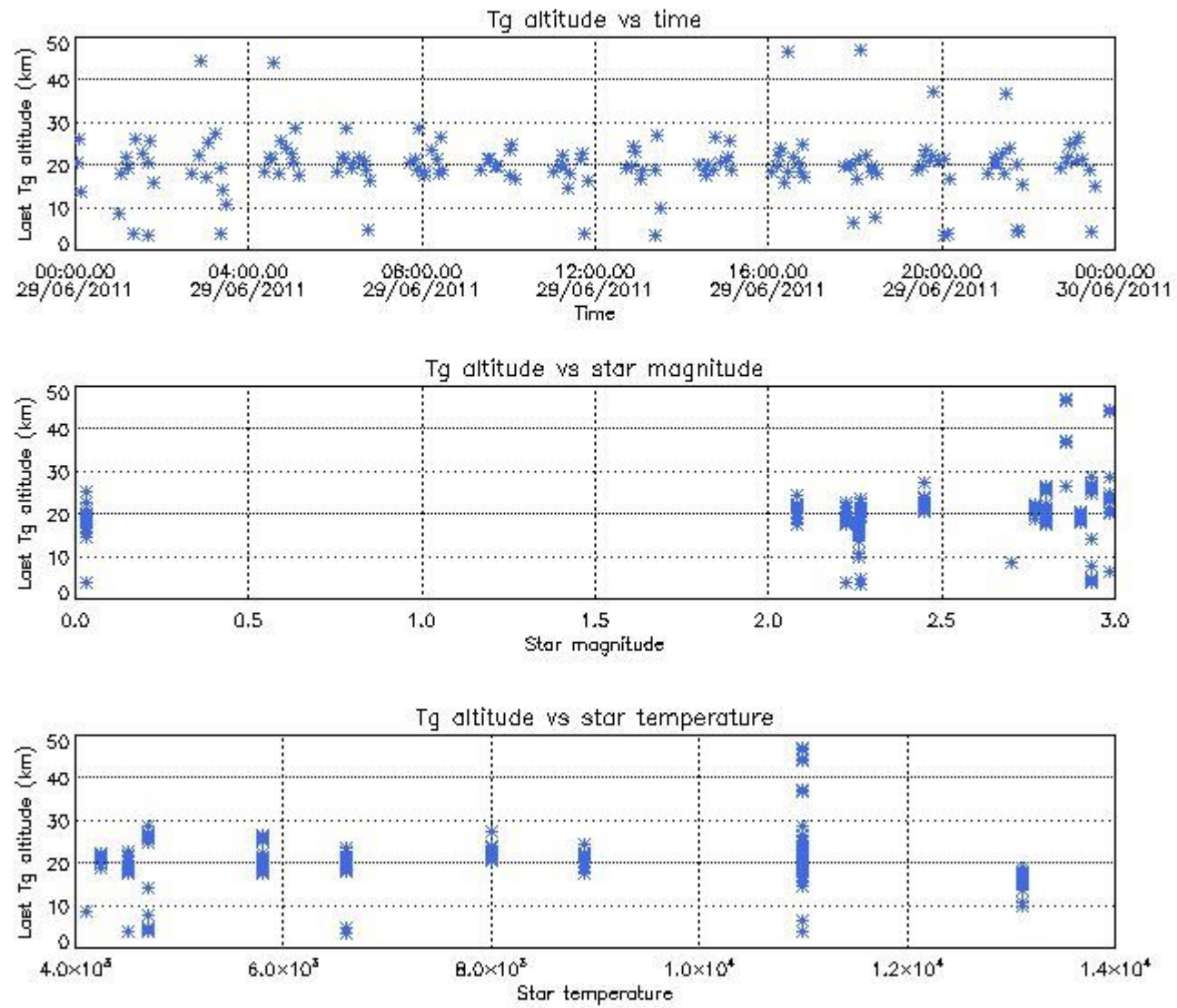
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

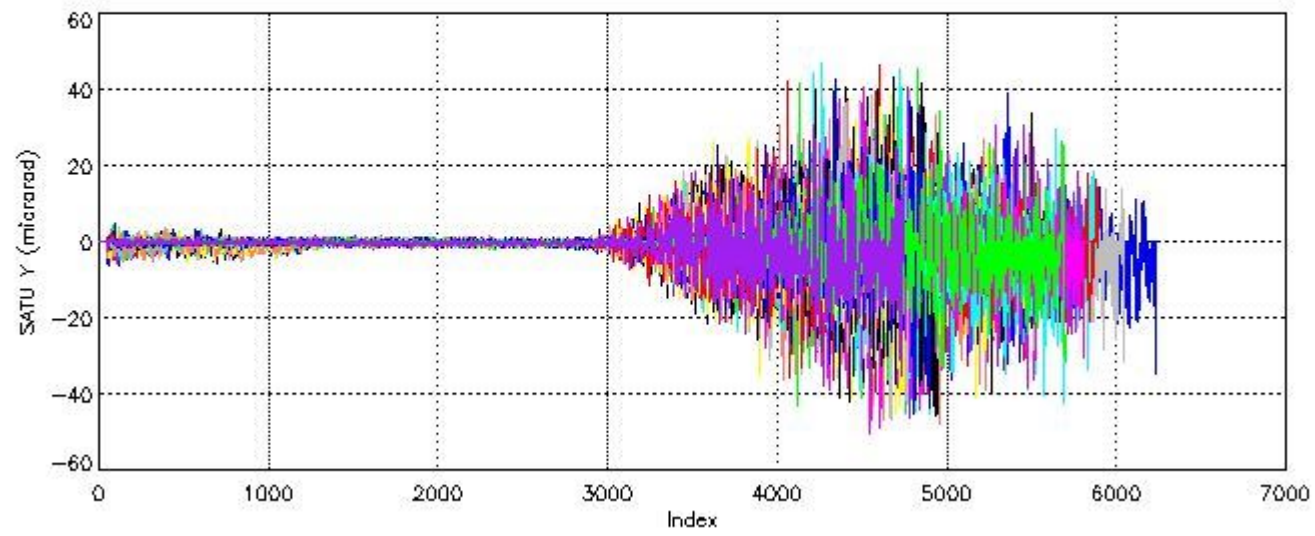
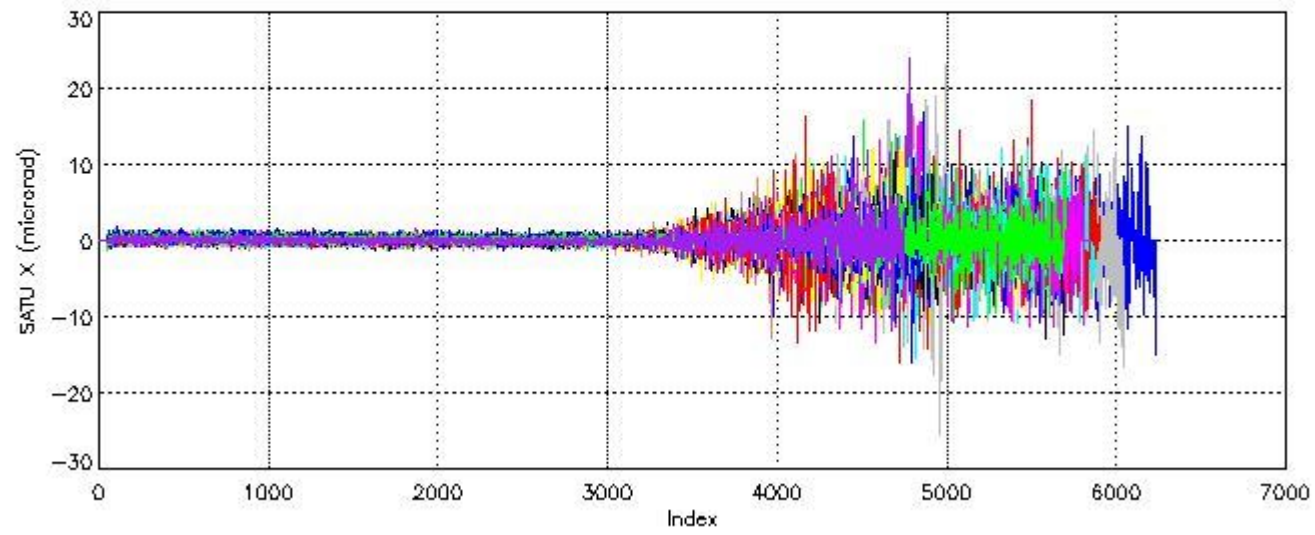


7. Star Acquisition and Tracking Unit (SATU)

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:	0.19967	-0.50815	0.25625	-0.59694
St. deviation:	0.28838	0.66804	0.76810	1.1412
Maximum:	1.8000	4.5000	17.000	7.7000
Minimum:	-1.3000	-6.3000	-6.4000	-9.7000

Number of data:	46050.	46050.	1.6370E+05	1.6370E+05
90Percentile:	0.60000	0.20000	1.3000	0.80000

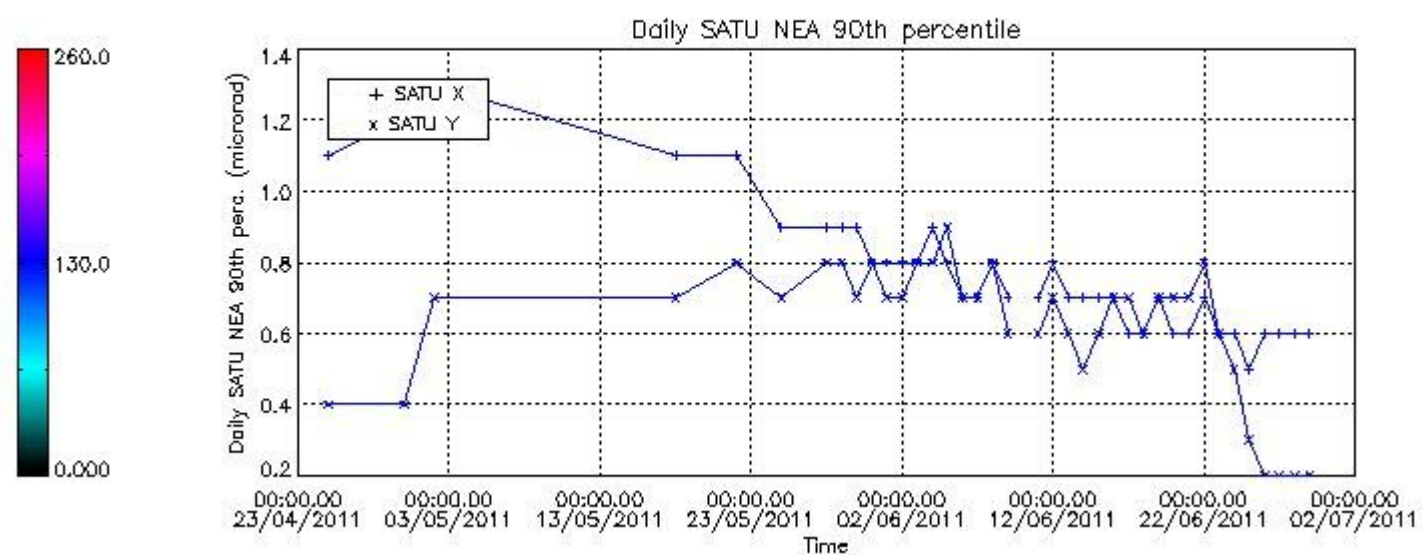
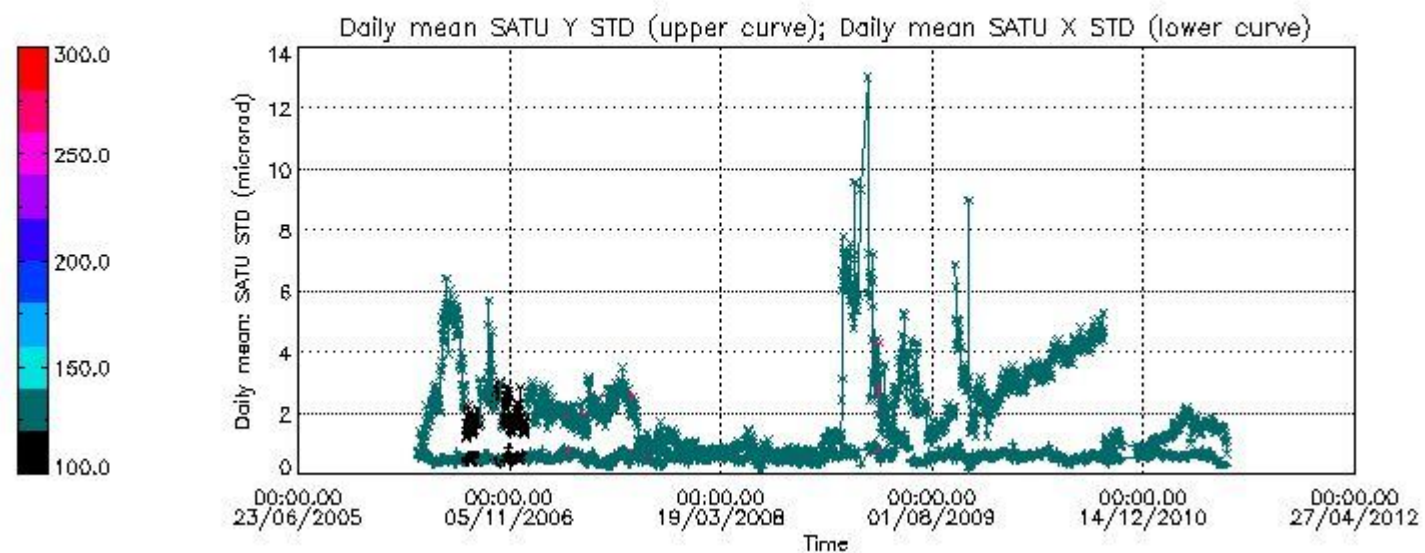
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

Upper curve: STD of SATU Y axis

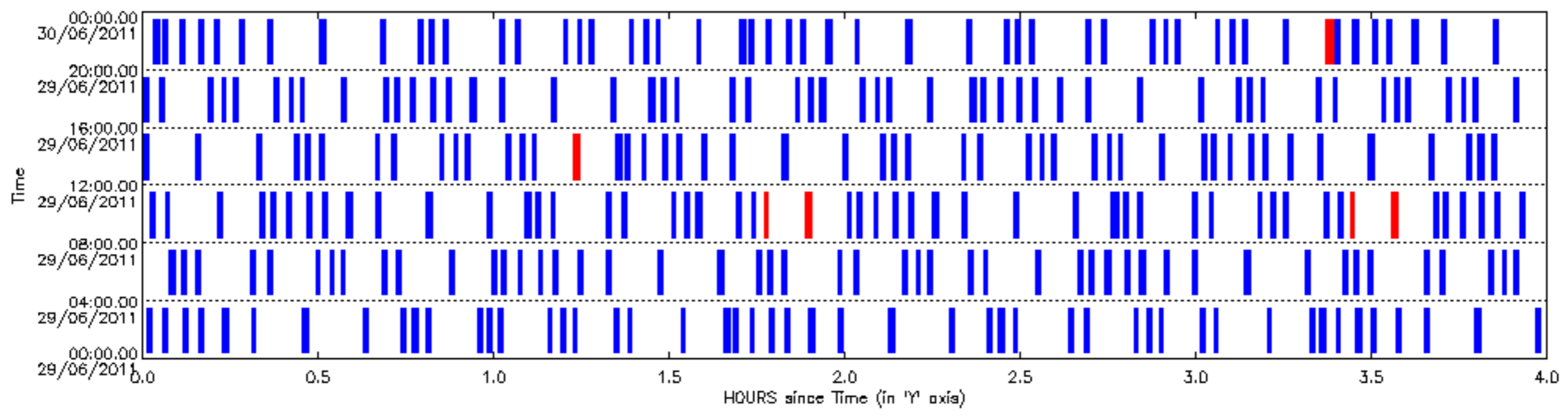
Lower curve: STD of SATU X axis

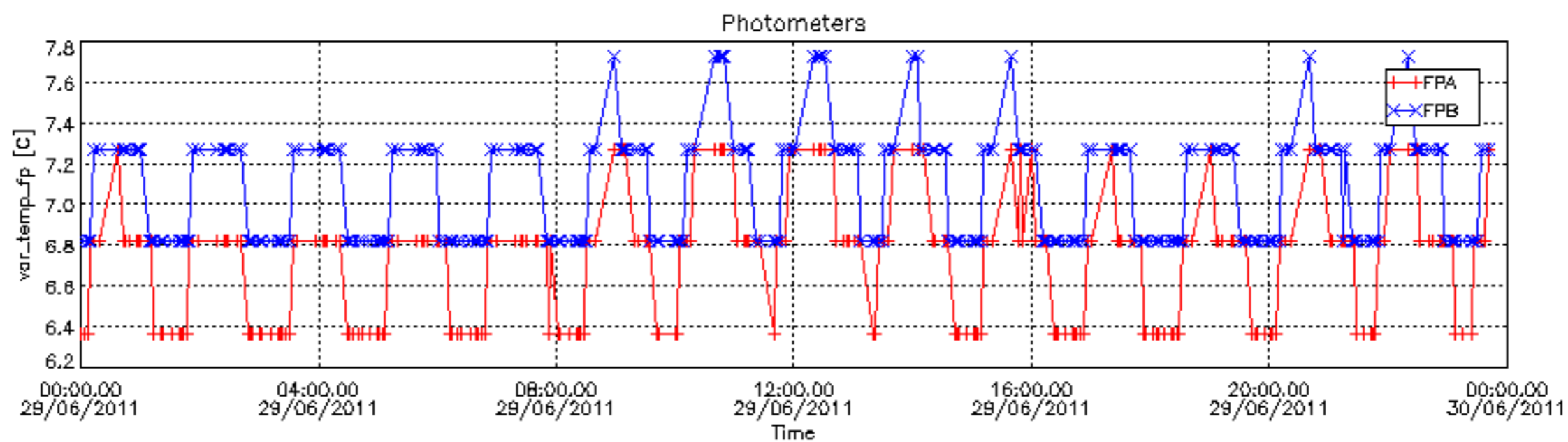
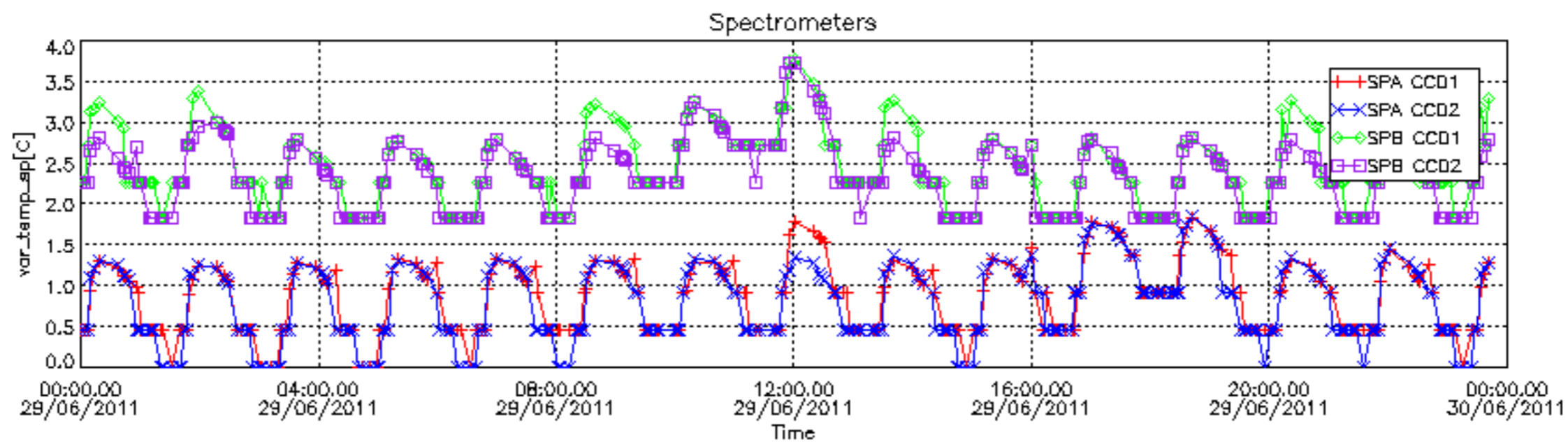


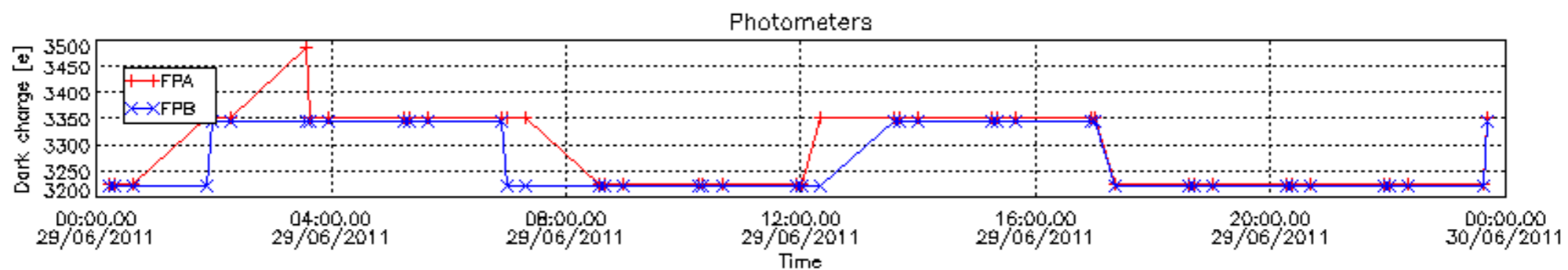
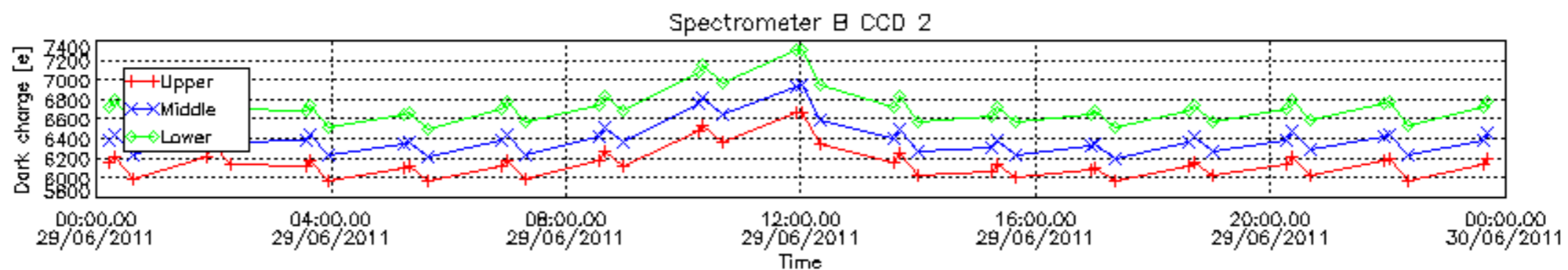
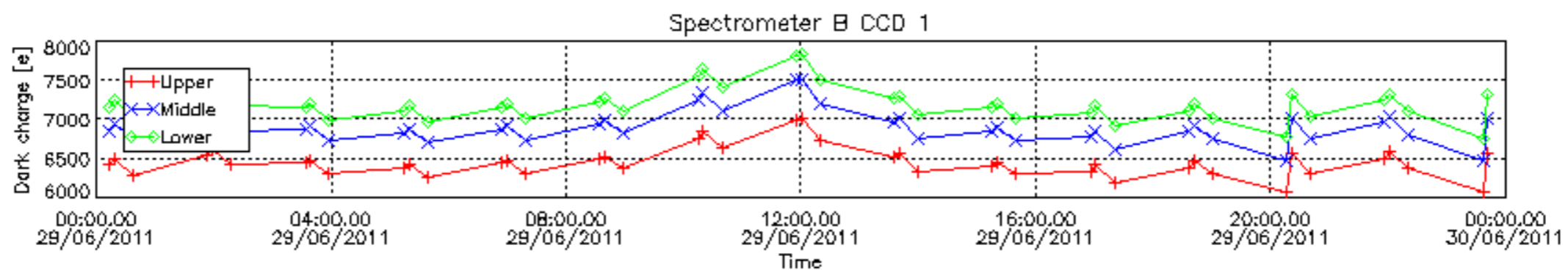
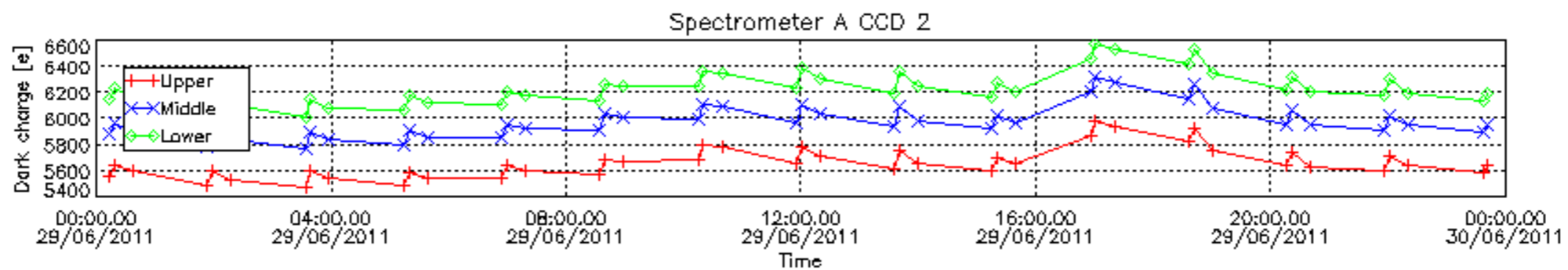
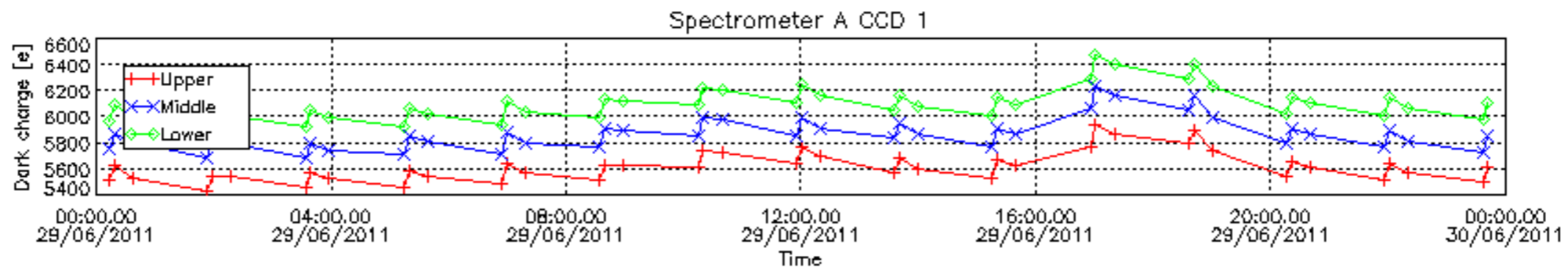
8. Auxiliary Data Files used for the production reported in section 2.4

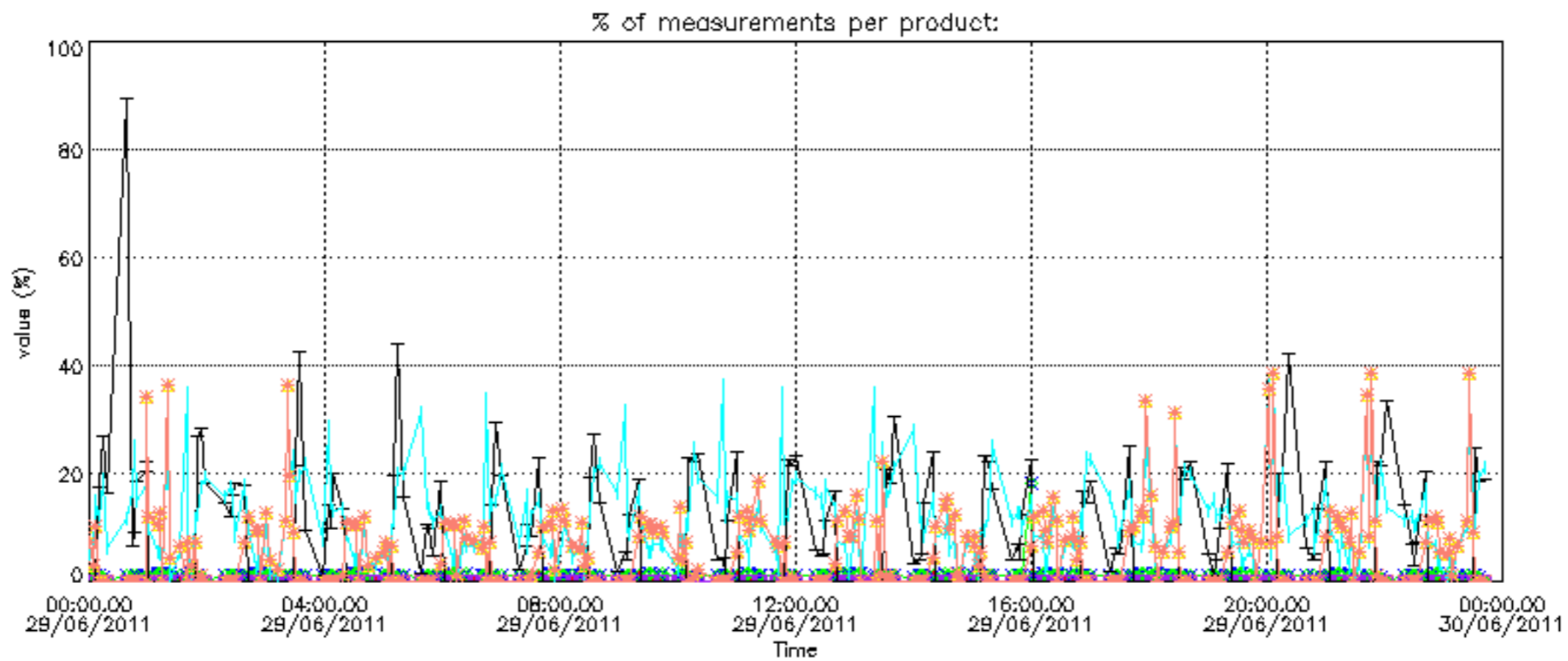
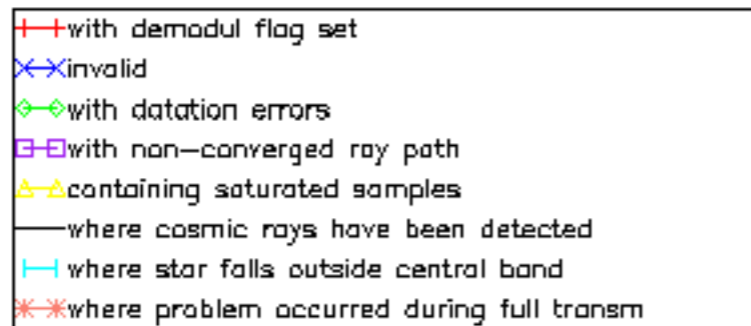
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	29-JUN-2011 00:00:39
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110628_073212_20110627_000000_20500101_000000	1	29-JUN-2011 00:00:39
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	29-JUN-2011 00:00:39
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20110513_081743_20020301_000000_20500101_000000	77	29-JUN-2011 06:39:53
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	29-JUN-2011 00:00:39
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	29-JUN-2011 00:00:39
ECMWF_FILE	AUX_ECA_AXNECM20110629_062114_20110628_210000_20110629_090000	1	29-JUN-2011 00:00:39
ECMWF_FILE	AUX_ECF_AXNECM20110628_182817_20110629_030000_20110629_150000	90	29-JUN-2011 07:50:06
ECMWF_FILE	AUX_ECF_AXNECM20110629_062114_20110629_090000_20110629_210000	127	29-JUN-2011 11:10:34
ECMWF_FILE	AUX_ECF_AXNECM20110629_062115_20110629_150000_20110630_030000	182	29-JUN-2011 16:00:08
ECMWF_FILE	AUX_ECA_AXNECM20110629_180412_20110629_090000_20110629_210000	222	29-JUN-2011 19:20:37
ECMWF_FILE	AUX_ECF_AXNECM20110629_062115_20110629_210000_20110630_090000	242	29-JUN-2011 21:00:51
OPTIONAL_ECMWF_FILE	MISSING	1	29-JUN-2011 00:00:39
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110629_121153_20110628_193538_20110708_200911	1	29-JUN-2011 00:00:39
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110628_102342_20110627_183208_20110707_204556	77	29-JUN-2011 06:39:53

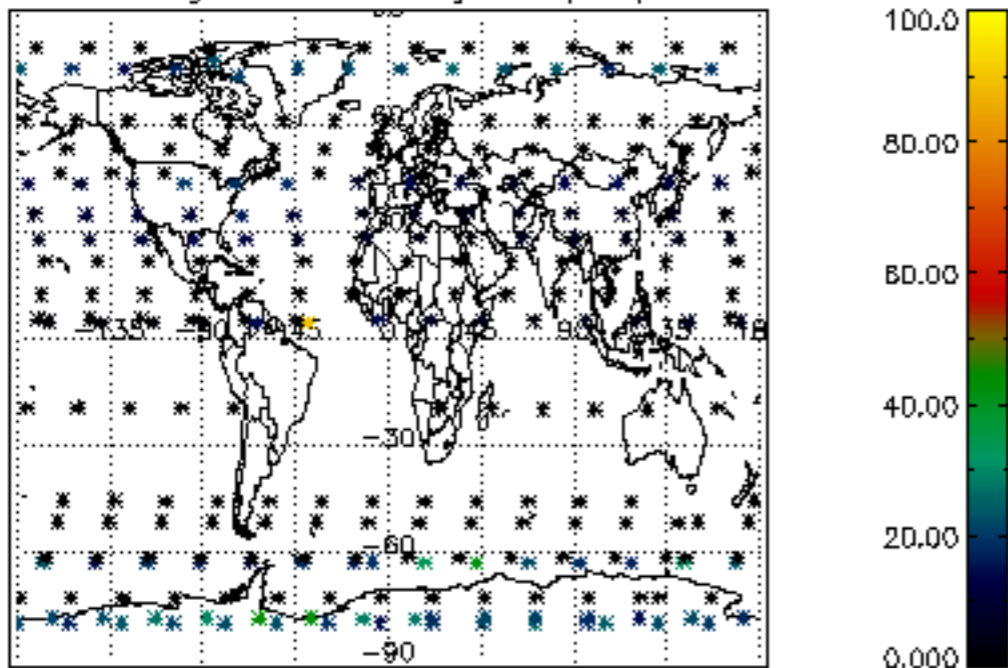




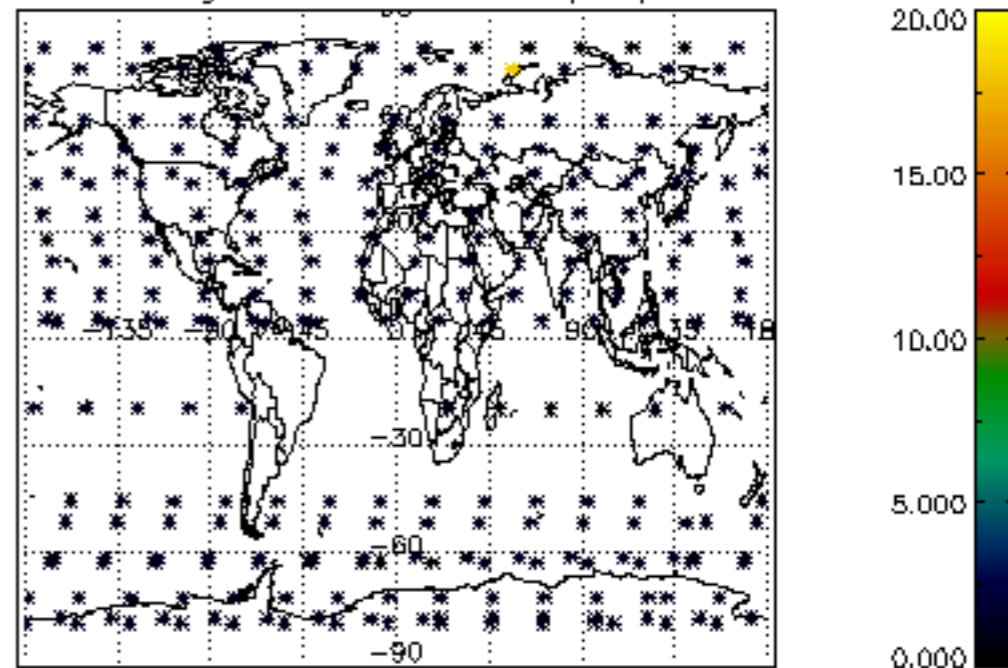




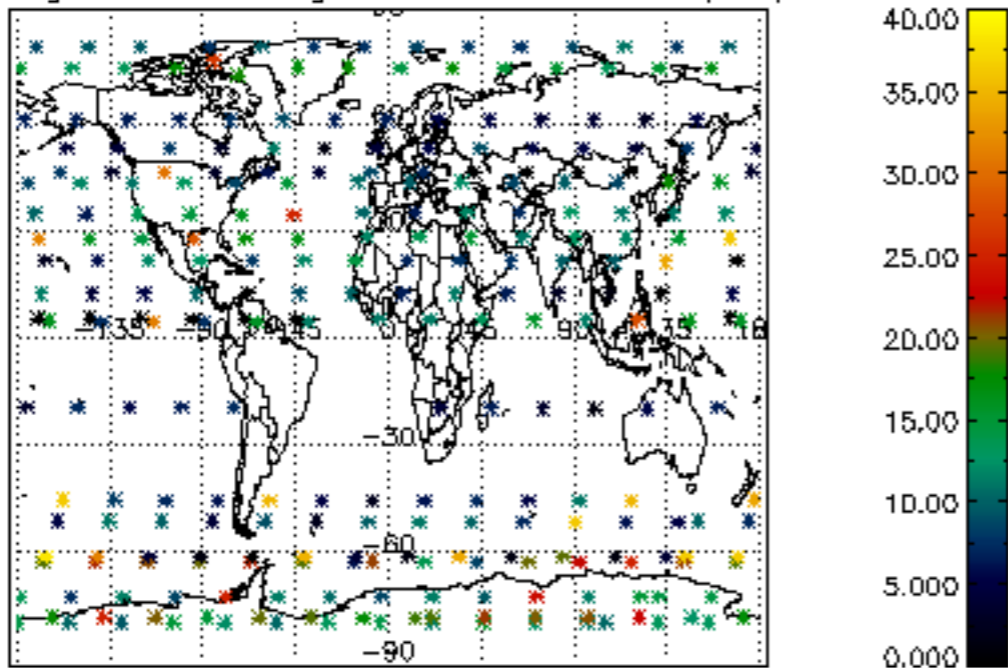
Percentage of cosmic ray hits per profile



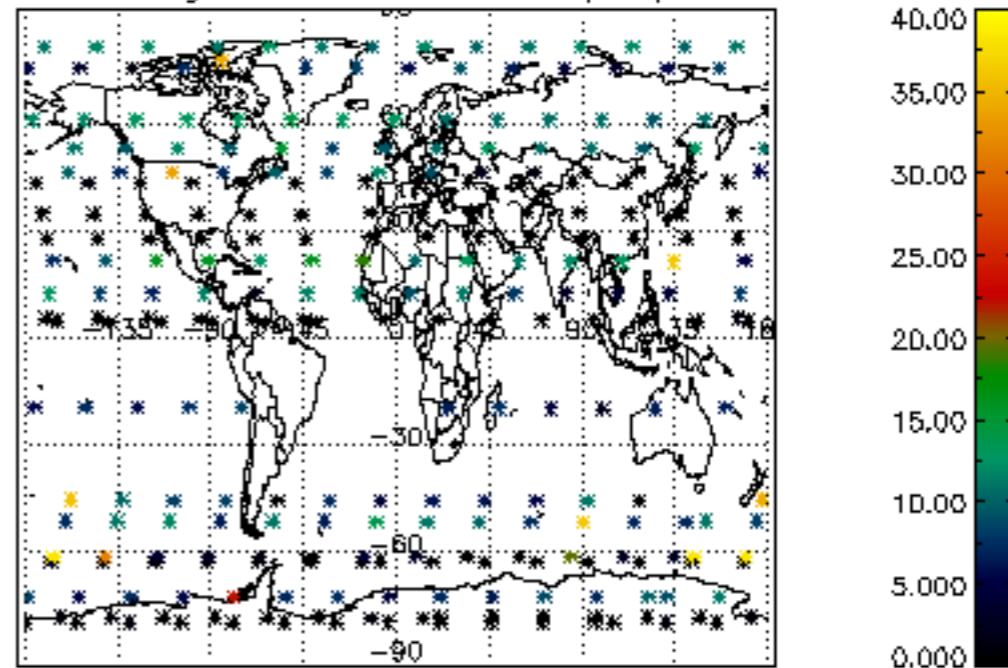
Percentage of datation errors per profile



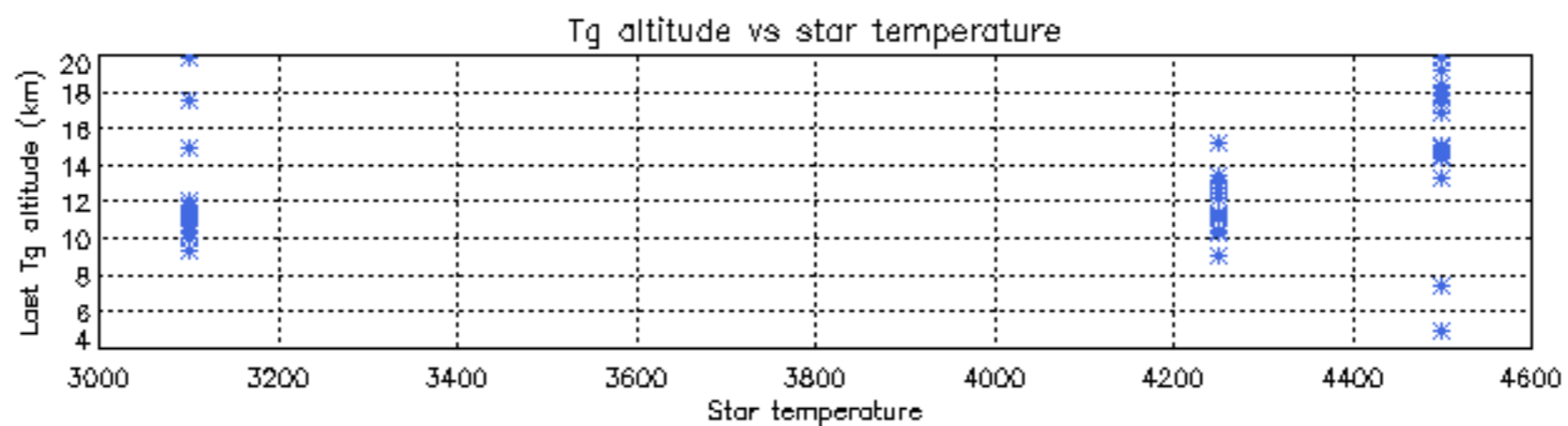
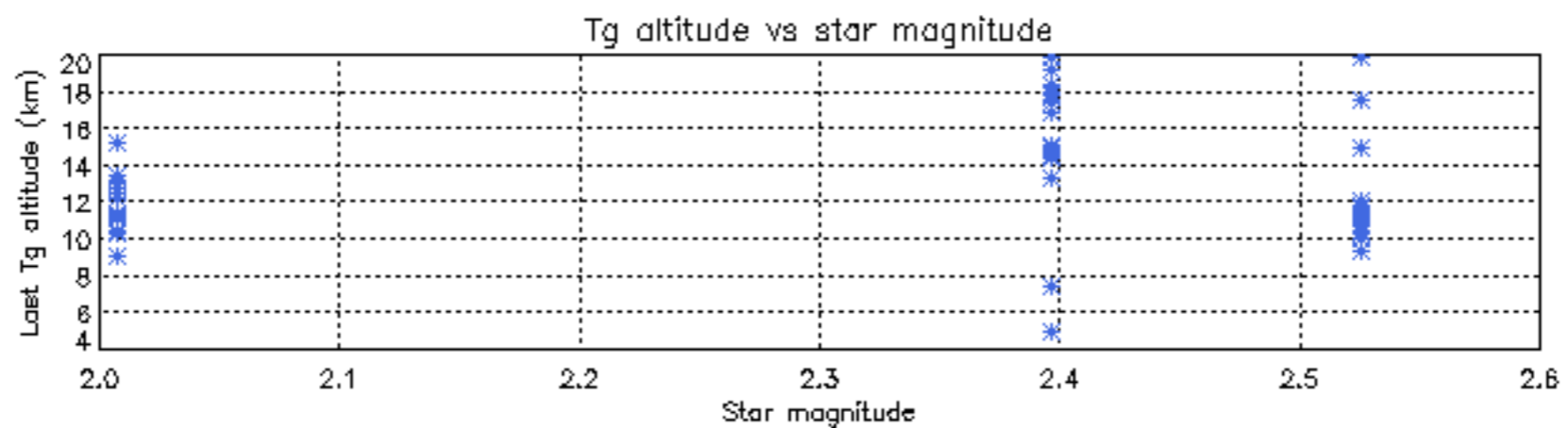
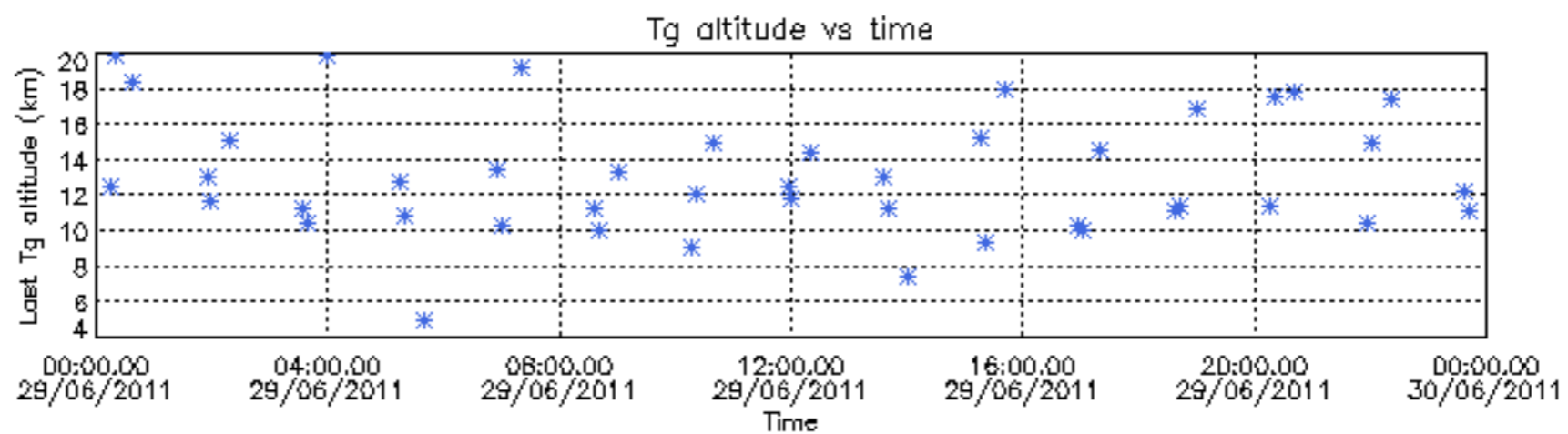
Percentage of star falling outside central band per profile



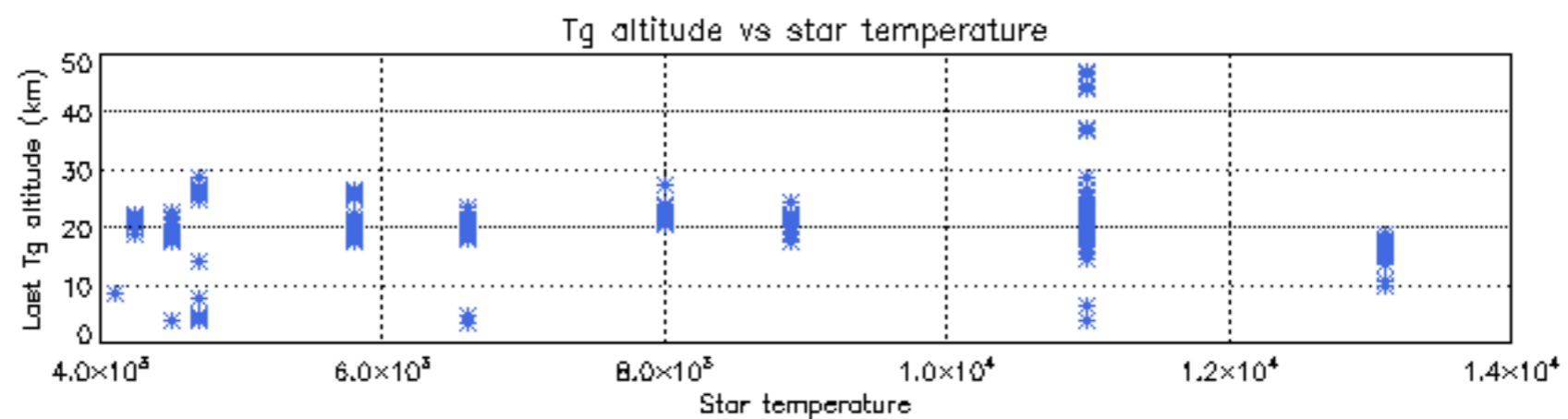
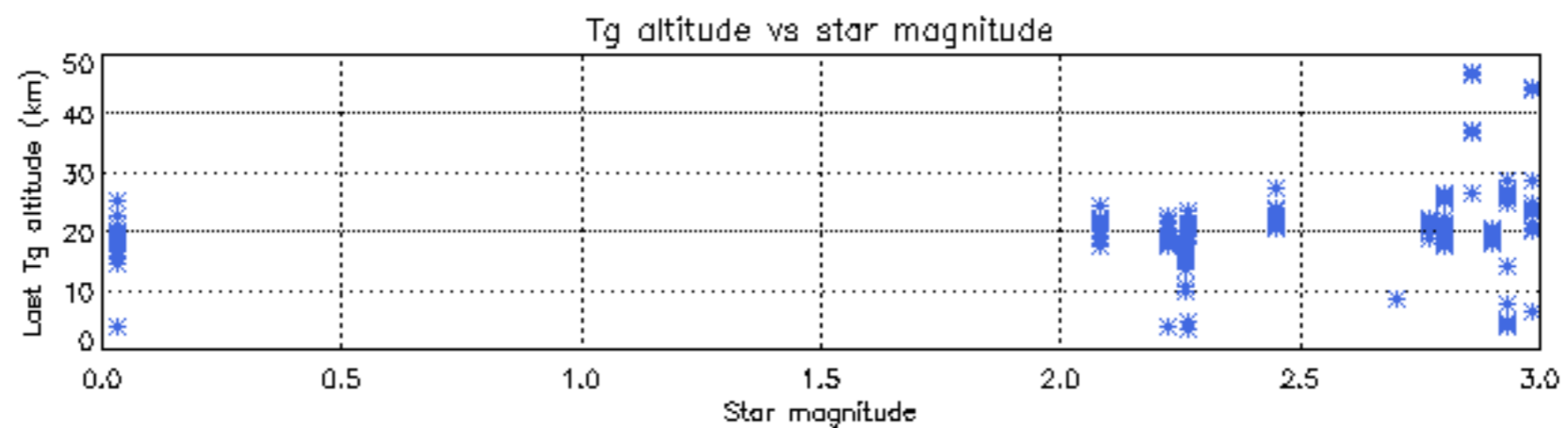
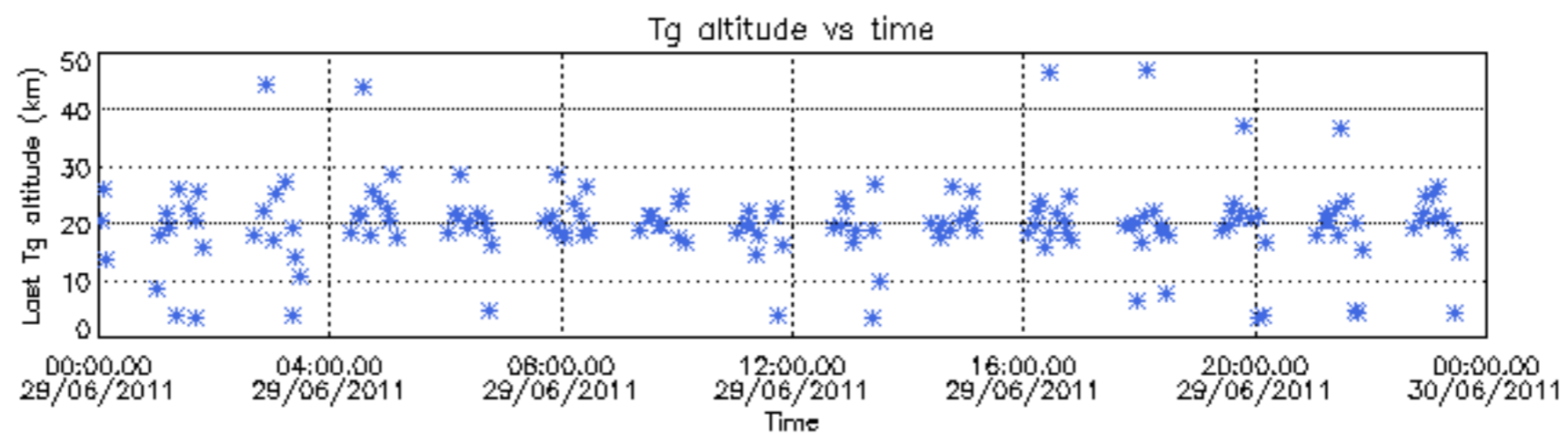
Percentage of saturation errors per profile

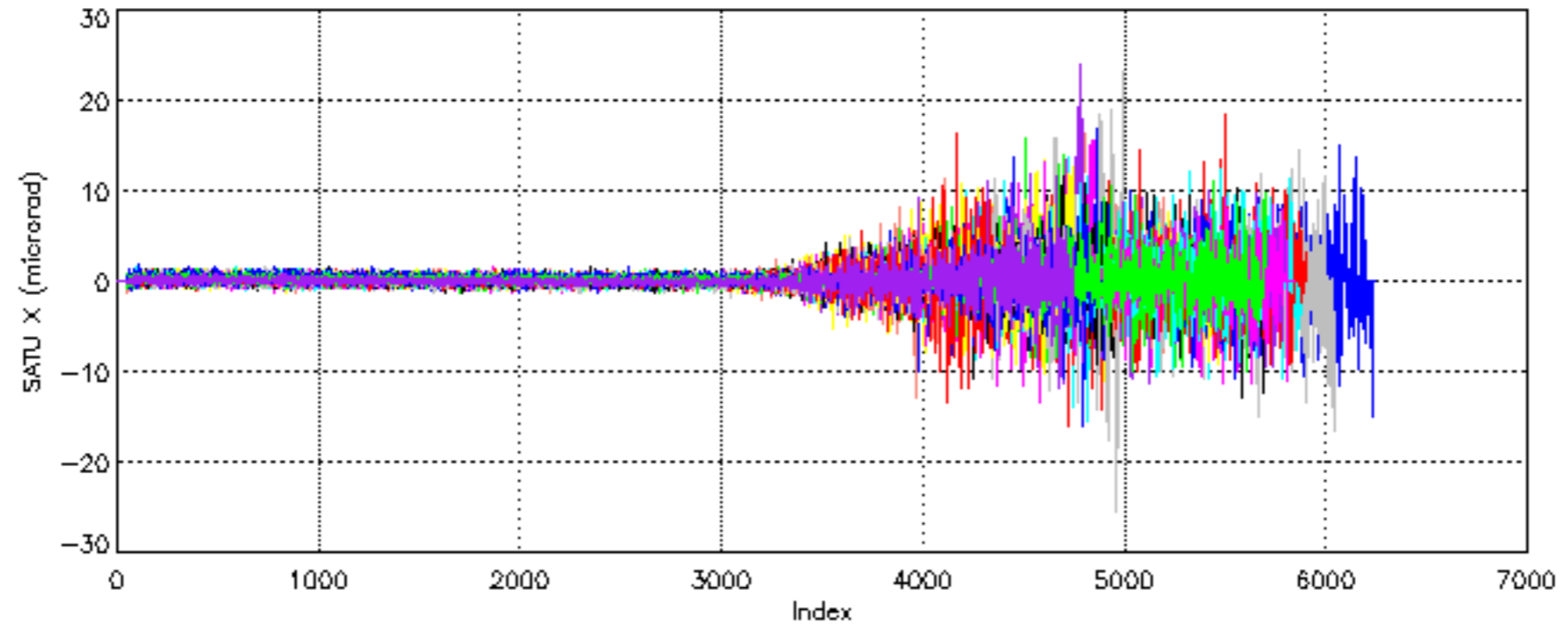


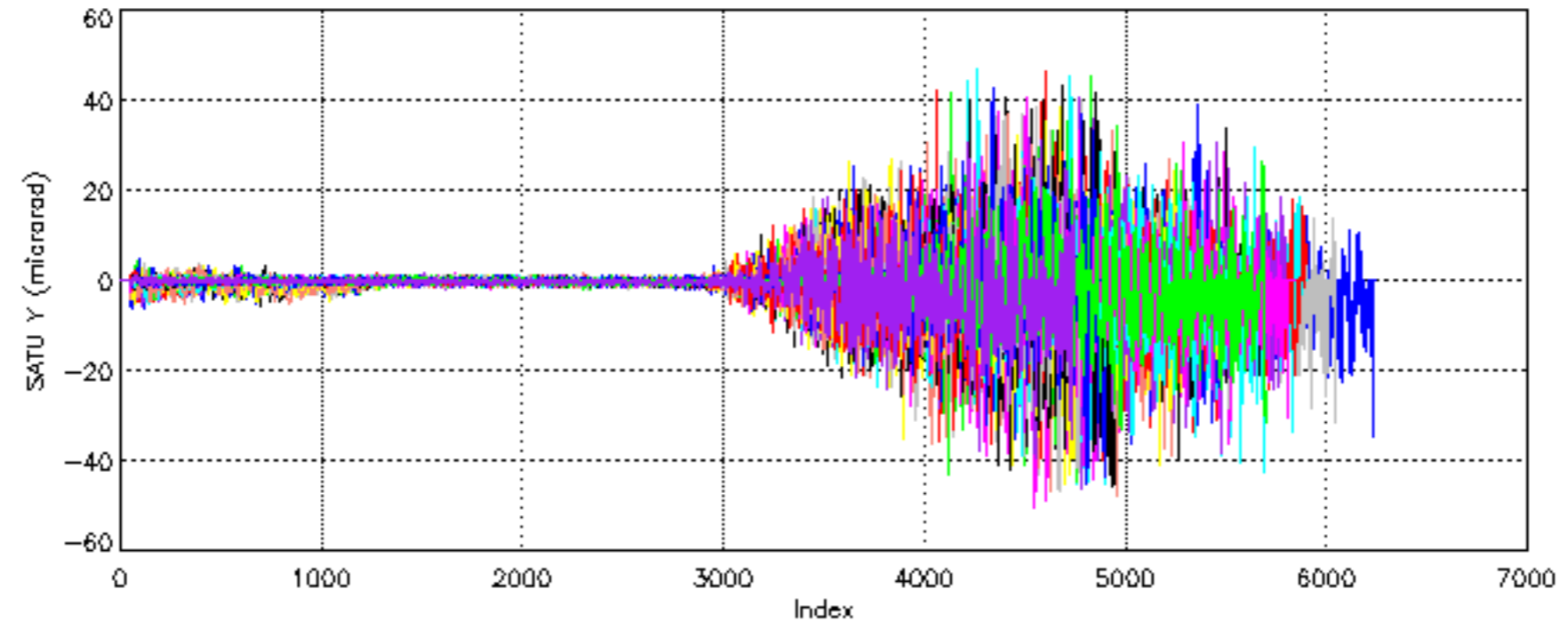
Tangent altitude at which the star is lost

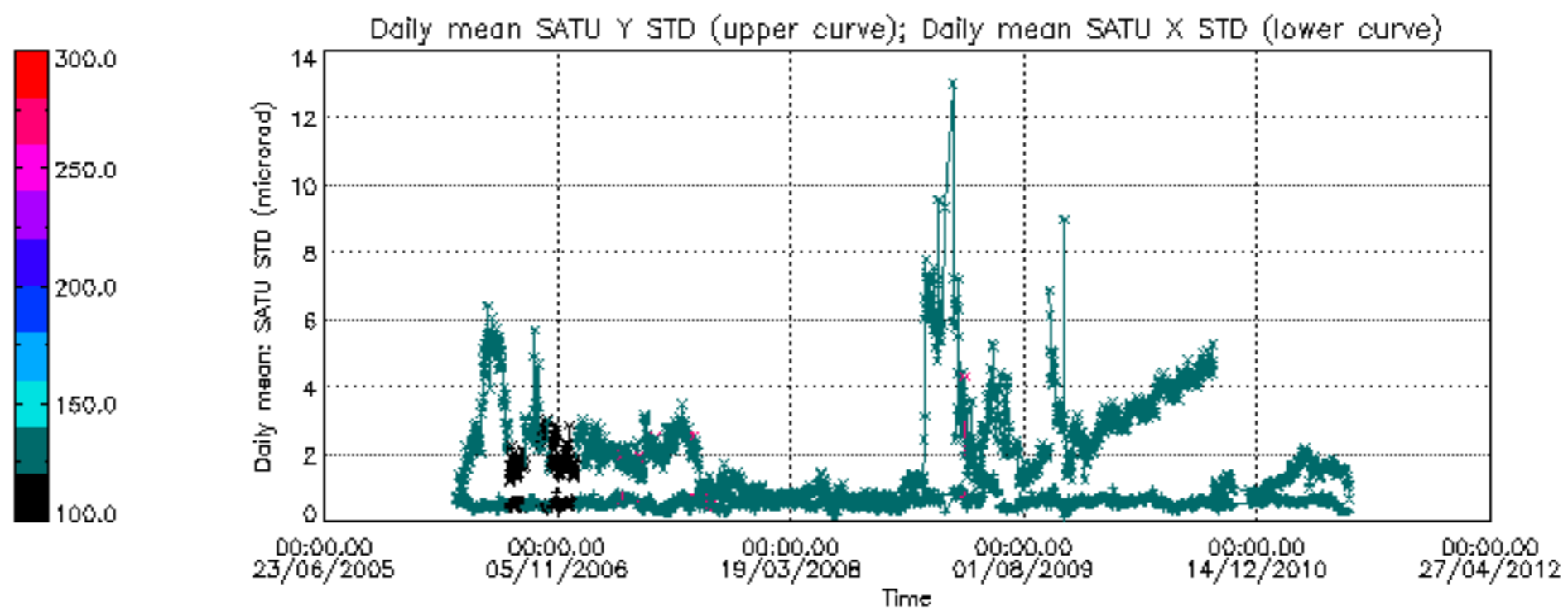


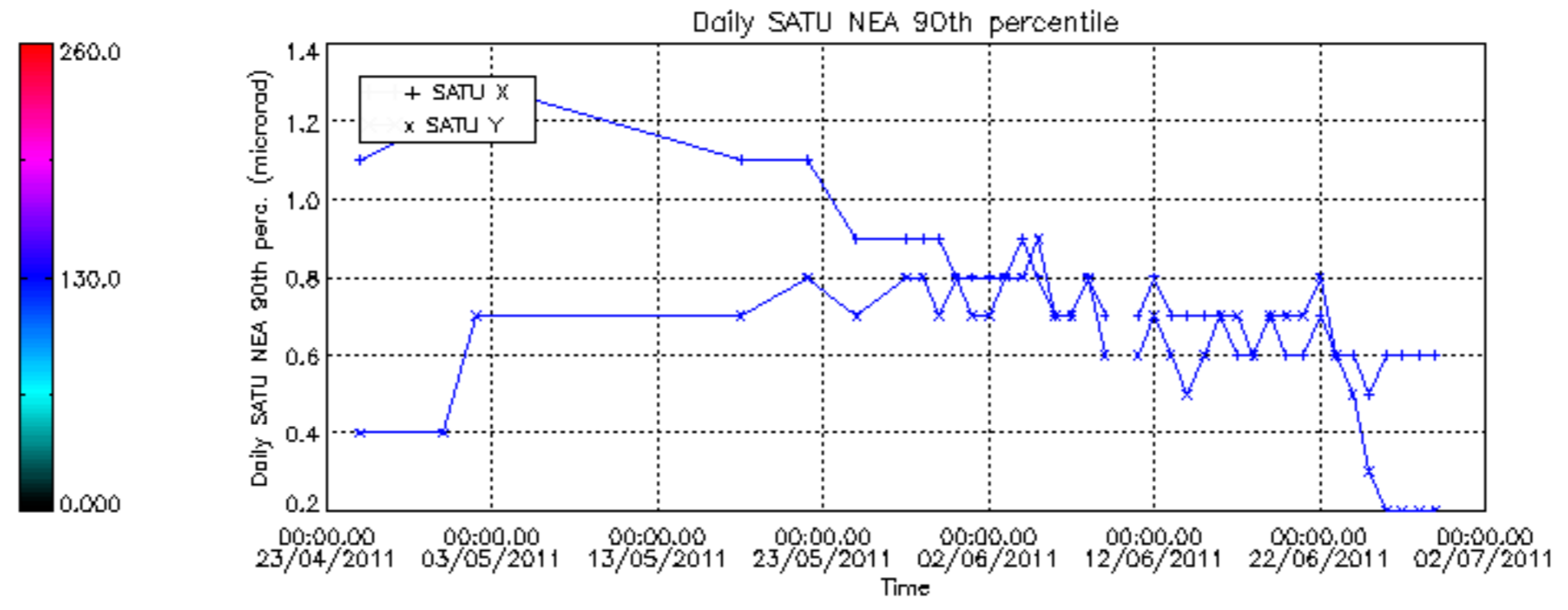
Tangent altitude at which the star is lost











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 6; 193.4; 01-JUN-2011 02:46:05; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;48380
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29;	7205.6;	11-JUN-2011	03:36:17;	Dark	;	44.0;	25;	35Lam Sco	;	1.62;	28000;occ;	88;	0;48524
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33;	8023.7;	11-JUN-2011	03:49:55;	Bright;	47.5;	126;	60Bet Oph	;	2.77;	4250;occ;	95;	0;48524	
34;	8178.6;	11-JUN-2011	03:52:30;	Bright;	47.0;	59;	55Alp Oph	;	2.08;	8900;occ;	94;	0;48524	
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14; 5889.1; 13-JUN-2011 08:41:48; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;48555
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3; 2265.8; 13-JUN-2011 09:21:39; Bright; 36.5; 127; 27Bet Her ; 2.78; 4700;occ; 73; 0;48556
4; 2449.6; 13-JUN-2011 09:24:42; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;48556
5; 2861.5; 13-JUN-2011 09:31:34; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;48556
6; 2948.6; 13-JUN-2011 09:33:01; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;48556
7; 3489.3; 13-JUN-2011 09:42:02; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48556
8; 3865.3; 13-JUN-2011 09:48:18; Bright; 63.0; 74; 11Bet Cas ; 2.27; 6600;occ; 126; 0;48556
9; 4247.5; 13-JUN-2011 09:54:40; Bright; 37.5; 73; 57Gam1And ; 2.26; 13100;occ; 75; 0;48556

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11;	4592.6;	13-JUN-2011 10:00:25;	Dark ;	48.0;	50;	13Alp Ari ;	2.01;	4250;occ;	96;	0;48556
12;	5408.5;	13-JUN-2011 10:14:01;	Dark ;	59.5;	0;	;	0.00;	0;occ;	119;	0;48556
13;	5511.7;	13-JUN-2011 10:15:45;	Dark ;	52.0;	52;	16Bet Cet ;	2.04;	4500;occ;	104;	0;48556
14;	5889.8;	13-JUN-2011 10:22:03;	Dark ;	45.0;	84;	Alp Phe ;	2.40;	4500;occ;	90;	0;48556
15;	6256.6;	13-JUN-2011 10:28:09;	Dark ;	49.5;	63;	Bet Gru ;	2.15;	2800;occ;	99;	0;48557
16;	6378.9;	13-JUN-2011 10:30:12;	Dark ;	47.0;	31;	Alp Gru ;	1.73;	15200;occ;	94;	0;48557
17;	6483.9;	13-JUN-2011 10:31:57;	Dark ;	56.5;	172;	Gam Gru ;	3.00;	13100;occ;	113;	0;48557
18;	6617.7;	13-JUN-2011 10:34:11;	Dark ;	43.0;	45;	Alp Pav ;	1.94;	26000;occ;	86;	0;48557
19;	7215.6;	13-JUN-2011 10:44:09;	Dark ;	43.5;	25;	35Lam Sco ;	1.62;	28000;occ;	87;	0;48557
20;	7317.8;	13-JUN-2011 10:45:51;	Dark ;	58.5;	57;	34Sig Sgr ;	2.07;	26000;occ;	117;	0;48557
21;	7613.8;	13-JUN-2011 10:50:47;	Bright;	40.0;	86;	35Eta Oph ;	2.43;	10200;occ;	80;	0;48557
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2;	2152.5;	13-JUN-2011 10:59:59;	Bright;	42.5;	59;	55Alp Oph ;	2.08;	8900;occ;	85;	0;48557
3;	2265.7;	13-JUN-2011 11:01:52;	Bright;	37.0;	127;	27Bet Her ;	2.78;	4700;occ;	74;	0;48557
4;	2449.4;	13-JUN-2011 11:04:56;	Bright;	40.0;	133;	40Zet Her ;	2.81;	6000;occ;	80;	0;48557
5;	2861.0;	13-JUN-2011 11:11:48;	Bright;	42.5;	130;	23Bet Dra ;	2.80;	5800;occ;	85;	0;48557
6;	2948.3;	13-JUN-2011 11:13:15;	Bright;	39.5;	119;	14Eta Dra ;	2.73;	4700;occ;	79;	0;48557
7;	3488.7;	13-JUN-2011 11:22:16;	Bright;	48.0;	89;	5Alp Cep ;	2.45;	8000;occ;	96;	0;48557
8;	3865.0;	13-JUN-2011 11:28:32;	Bright;	64.0;	74;	11Bet Cas ;	2.27;	6600;occ;	128;	0;48557
9;	4247.5;	13-JUN-2011 11:34:54;	Bright;	40.0;	73;	57Gam1And ;	2.26;	13100;occ;	80;	0;48557
10;	4386.6;	13-JUN-2011 11:37:13;	Dark ;	54.5;	53;	43Bet And ;	2.05;	3300;occ;	109;	0;48557
11;	4592.6;	13-JUN-2011 11:40:39;	Dark ;	47.5;	50;	13Alp Ari ;	2.01;	4250;occ;	95;	0;48557
12;	5409.6;	13-JUN-2011 11:54:16;	Dark ;	59.5;	0;	;	0.00;	0;occ;	119;	0;48557
13;	5512.5;	13-JUN-2011 11:55:59;	Dark ;	52.0;	52;	16Bet Cet ;	2.04;	4500;occ;	104;	0;48557
14;	5890.6;	13-JUN-2011 12:02:17;	Dark ;	43.5;	84;	Alp Phe ;	2.40;	4500;occ;	87;	0;48557
15;	6257.5;	13-JUN-2011 12:08:24;	Dark ;	50.5;	63;	Bet Gru ;	2.15;	2800;occ;	101;	0;48558
16;	6379.8;	13-JUN-2011 12:10:27;	Dark ;	49.0;	31;	Alp Gru ;	1.73;	15200;occ;	98;	0;48558
17;	6485.2;	13-JUN-2011 12:12:12;	Dark ;	57.0;	172;	Gam Gru ;	3.00;	13100;occ;	114;	0;48558
18;	6618.3;	13-JUN-2011 12:14:25;	Dark ;	42.0;	45;	Alp Pav ;	1.94;	26000;occ;	84;	0;48558
19;	7216.0;	13-JUN-2011 12:24:23;	Dark ;	46.0;	25;	35Lam Sco ;	1.62;	28000;occ;	92;	0;48558
20;	7318.5;	13-JUN-2011 12:26:05;	Dark ;	61.5;	57;	34Sig Sgr ;	2.07;	26000;occ;	123;	0;48558
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2;	2000.0;	13-JUN-2011 12:37:41;	Bright;	45.5;	126;	60Bet Oph ;	2.77;	4250;occ;	91;	0;48558
3;	2152.1;	13-JUN-2011 12:40:13;	Bright;	45.5;	59;	55Alp Oph ;	2.08;	8900;occ;	91;	0;48558
4;	2265.6;	13-JUN-2011 12:42:06;	Bright;	35.5;	127;	27Bet Her ;	2.78;	4700;occ;	71;	0;48558
5;	2449.0;	13-JUN-2011 12:45:10;	Bright;	39.0;	133;	40Zet Her ;	2.81;	6000;occ;	78;	0;48558
6;	2860.5;	13-JUN-2011 12:52:01;	Bright;	42.5;	130;	23Bet Dra ;	2.80;	5800;occ;	85;	0;48558
7;	2948.2;	13-JUN-2011 12:53:29;	Bright;	38.0;	119;	14Eta Dra ;	2.73;	4700;occ;	76;	0;48558
8;	3488.1;	13-JUN-2011 13:02:29;	Bright;	46.5;	89;	5Alp Cep ;	2.45;	8000;occ;	93;	0;48558
9;	3864.5;	13-JUN-2011 13:08:45;	Bright;	41.0;	74;	11Bet Cas ;	2.27;	6600;occ;	82;	0;48558
10;	4247.6;	13-JUN-2011 13:15:08;	Bright;	39.5;	73;	57Gam1And ;	2.26;	13100;occ;	79;	0;48558
11;	4386.7;	13-JUN-2011 13:17:27;	Dark ;	54.5;	53;	43Bet And ;	2.05;	3300;occ;	109;	0;48558
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15;	5891.2;	13-JUN-2011 13:42:32;	Dark ;	49.5;	84;	Alp Phe ;	2.40;	4500;occ;	99;	0;48558
16;	6258.6;	13-JUN-2011 13:48:39;	Dark ;	49.5;	63;	Bet Gru ;	2.15;	2800;occ;	99;	0;48559
17;	6380.9;	13-JUN-2011 13:50:42;	Dark ;	50.0;	31;	Alp Gru ;	1.73;	15200;occ;	100;	0;48559
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19;	6619.2;	13-JUN-2011 13:54:40;	Dark ;	41.5;	45;	Alp Pav ;	1.94;	26000;occ;	83;	0;48559
20;	7216.3;	13-JUN-2011 14:04:37;	Dark ;	44.0;	25;	35Lam Sco ;	1.62;	28000;occ;	88;	0;48559
21;	7318.7;	13-JUN-2011 14:06:19;	Dark ;	58.5;	57;	34Sig Sgr ;	2.07;	26000;occ;	117;	0;48559
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2;	1999.8;	13-JUN-2011 14:17:55;	Bright;	45.0;	126;	60Bet Oph ;	2.77;	4250;occ;	90;	0;48559
3;	2151.9;	13-JUN-2011 14:20:27;	Bright;	43.5;	59;	55Alp Oph ;	2.08;	8900;occ;	87;	0;48559
4;	2265.5;	13-JUN-2011 14:22:20;	Bright;	36.5;	127;	27Bet Her ;	2.78;	4700;occ;	73;	0;48559
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6;	2860.4;	13-JUN-2011 14:32:15;	Bright;	42.0;	130;	23Bet Dra ;	2.80;	5800;occ;	84;	0;48559
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9;	3864.3;	13-JUN-2011 14:48:59;	Bright;	64.0;	74;	11Bet Cas ;	2.27;	6600;occ;	128;	0;48559
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 5; 2265.4; 13-JUN-2011 16:02:34; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;48560
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 13; 4387.1; 13-JUN-2011 18:18:10; Dark ; 57.5; 53; 43Bet And ; 2.05; 3300;occ; 115; 0;48561
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8; 4247.4; 26-JUN-2011 08:38:02; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;48742
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4; 2803.5; 26-JUN-2011 09:54:12; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48743
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13; 6051.4; 26-JUN-2011 10:48:20; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;48744
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 2; 1333.7; 26-JUN-2011 19:31:06; Dark ; 57.0; 116; 19Del Sgr ; 2.70; 4100;occ; 114; 0;48749
 3; 1459.9; 26-JUN-2011 19:33:12; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;48749
 4; 1971.6; 26-JUN-2011 19:41:44; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48749
 5; 2112.4; 26-JUN-2011 19:44:05; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48749
 6; 2661.6; 26-JUN-2011 19:53:14; Bright; 42.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 85; 0;48749
 7; 2802.1; 26-JUN-2011 19:55:35; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48749
 8; 3788.3; 26-JUN-2011 20:12:01; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;48749
 9; 3885.8; 26-JUN-2011 20:13:38; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48749
 10; 4043.9; 26-JUN-2011 20:16:16; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48749
 11; 4246.7; 26-JUN-2011 20:19:39; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;48749
 12; 4397.9; 26-JUN-2011 20:22:10; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;48749
 13; 4640.1; 26-JUN-2011 20:26:13; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48749
 14; 4934.4; 26-JUN-2011 20:31:07; Dark ; 43.5; 94; 92Alp Cet ; 2.53; 3100;occ; 87; 0;48749
 15; 5442.3; 26-JUN-2011 20:39:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48749
 16; 6057.3; 26-JUN-2011 20:49:50; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;48750
 17; 6445.8; 26-JUN-2011 20:56:18; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48750
 18; 6565.0; 26-JUN-2011 20:58:17; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48750
 19; 6727.4; 26-JUN-2011 21:01:00; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;48750

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 3; 433.8; 27-JUN-2011 00:16:48; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48752
 4; 552.8; 27-JUN-2011 00:18:47; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48752
 5; 714.4; 27-JUN-2011 00:21:29; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48752
 6; 1251.6; 27-JUN-2011 00:30:26; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48752
 7; 1334.3; 27-JUN-2011 00:31:49; Dark ; 57.0; 116; 19Del Sgr ; 2.70; 4100;occ; 114; 0;48752
 8; 1460.6; 27-JUN-2011 00:33:55; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48752
 9; 1971.2; 27-JUN-2011 00:42:26; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48752
 10; 2112.1; 27-JUN-2011 00:44:46; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48752
 11; 2659.9; 27-JUN-2011 00:53:54; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48752
 12; 2801.3; 27-JUN-2011 00:56:16; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48752
 13; 3355.6; 27-JUN-2011 01:05:30; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48752
 14; 3786.9; 27-JUN-2011 01:12:41; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;48752
 15; 3884.5; 27-JUN-2011 01:14:19; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48752
 16; 4043.6; 27-JUN-2011 01:16:58; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48752
 17; 4246.6; 27-JUN-2011 01:20:21; Bright; 48.5; 73; 57Gam1And ; 2.26; 13100;occ; 97; 0;48752

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18; 4398.4; 27-JUN-2011 01:22:53; Dark ; 45.5; 173; 4Bet Tri ; 3.00; 8900;occ; 91; 0;48752
19; 4641.2; 27-JUN-2011 01:26:56; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;48752
20; 4935.3; 27-JUN-2011 01:31:50; Dark ; 44.5; 94; 92Alp Cet ; 2.53; 3100;occ; 89; 0;48752
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3; 434.7; 27-JUN-2011 01:57:03; Dark ; 63.5; 63; Bet Gru ; 2.15; 2800;occ; 127; 0;48753
4; 553.8; 27-JUN-2011 01:59:02; Dark ; 58.0; 31; Alp Gru ; 1.73; 15200;occ; 116; 0;48753
5; 714.8; 27-JUN-2011 02:01:43; Dark ; 44.0; 45; Alp Pav ; 1.94; 26000;occ; 88; 0;48753
6; 1252.0; 27-JUN-2011 02:10:40; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48753
7; 1334.7; 27-JUN-2011 02:12:03; Dark ; 48.0; 116; 19Del Sgr ; 2.70; 4100;occ; 96; 0;48753
8; 1460.9; 27-JUN-2011 02:14:09; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48753
9; 1971.2; 27-JUN-2011 02:22:39; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48753
10; 2112.0; 27-JUN-2011 02:25:00; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48753
11; 2659.3; 27-JUN-2011 02:34:08; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48753
12; 2801.4; 27-JUN-2011 02:36:30; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48753
13; 3355.1; 27-JUN-2011 02:45:43; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;48753
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2;-2129.9; 27-JUN-2011 02:54:32; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48753
3;-1970.4; 27-JUN-2011 02:57:12; Bright; 39.5; 160; 23Gam Per ; 2.93; 4700;occ; 79; 0;48753
4;-1767.4; 27-JUN-2011 03:00:35; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48753
5;-1615.5; 27-JUN-2011 03:03:07; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48753
6;-1372.6; 27-JUN-2011 03:07:10; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48753
7;-1078.2; 27-JUN-2011 03:12:04; Dark ; 40.0; 94; 92Alp Cet ; 2.53; 3100;occ; 80; 0;48753
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9; 47.1; 27-JUN-2011 03:30:49; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48754
10; 435.9; 27-JUN-2011 03:37:18; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48754
11; 554.9; 27-JUN-2011 03:39:17; Dark ; 55.0; 31; Alp Gru ; 1.73; 15200;occ; 110; 0;48754
12; 715.5; 27-JUN-2011 03:41:58; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;48754
13; 1252.4; 27-JUN-2011 03:50:55; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48754
14; 1335.1; 27-JUN-2011 03:52:17; Dark ; 43.0; 116; 19Del Sgr ; 2.70; 4100;occ; 86; 0;48754
15; 1461.0; 27-JUN-2011 03:54:23; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48754
16; 1971.1; 27-JUN-2011 04:02:53; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48754
17; 2111.9; 27-JUN-2011 04:05:14; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48754
18; 2659.1; 27-JUN-2011 04:14:21; Bright; 46.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 92; 0;48754
19; 2801.1; 27-JUN-2011 04:16:43; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;48754
20; 3354.5; 27-JUN-2011 04:25:57; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48754
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2;-2130.2; 27-JUN-2011 04:34:46; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48754
3;-1970.3; 27-JUN-2011 04:37:26; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48754
4;-1767.5; 27-JUN-2011 04:40:49; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48754
5;-1615.5; 27-JUN-2011 04:43:21; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48754
6;-1372.2; 27-JUN-2011 04:47:24; Dark ; 56.0; 50; 13Alp Ari ; 2.01; 4250;occ; 112; 0;48754
7;-1077.7; 27-JUN-2011 04:52:19; Dark ; 38.5; 94; 92Alp Cet ; 2.53; 3100;occ; 77; 0;48754
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9; 48.1; 27-JUN-2011 05:11:04; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;48755
10; 437.0; 27-JUN-2011 05:17:33; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;48755
11; 555.7; 27-JUN-2011 05:19:32; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48755
12; 716.2; 27-JUN-2011 05:22:13; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48755
13; 1252.6; 27-JUN-2011 05:31:09; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48755
14; 1335.2; 27-JUN-2011 05:32:31; Dark ; 57.0; 116; 19Del Sgr ; 2.70; 4100;occ; 114; 0;48755
15; 1461.3; 27-JUN-2011 05:34:38; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48755
16; 1971.1; 27-JUN-2011 05:43:07; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48755
17; 2111.8; 27-JUN-2011 05:45:28; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48755
18; 2658.5; 27-JUN-2011 05:54:35; Bright; 46.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 92; 0;48755
19; 2801.0; 27-JUN-2011 05:56:57; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48755
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2; 1337.4; 27-JUN-2011 20:34:40; Dark ; 56.0; 116; 19Del Sgr ; 2.70; 4100;occ; 112; 0;48764
3; 1463.2; 27-JUN-2011 20:36:45; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48764
4; 1970.9; 27-JUN-2011 20:45:13; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48764
5; 2111.1; 27-JUN-2011 20:47:33; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48764
6; 2653.6; 27-JUN-2011 20:56:36; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;48764
7; 2799.2; 27-JUN-2011 20:59:01; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48764
8; 3347.8; 27-JUN-2011 21:08:10; Bright; 48.0; 89; 5Alp Cep ; 2.45; 8000;occ; 96; 0;48764

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9; 3781.1; 27-JUN-2011 21:15:23; Bright; 64.0; 74; 11Bet Cas ; 2.27; 6600;occ; 128; 0;48764
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11; 4043.3; 27-JUN-2011 21:19:46; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48764
12; 4246.0; 27-JUN-2011 21:23:08; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;48764
13; 4399.3; 27-JUN-2011 21:25:42; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;48764
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15; 4939.9; 27-JUN-2011 21:34:42; Dark ; 42.5; 94; 92Alp Cet ; 2.53; 3100;occ; 85; 0;48764
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3; 446.6; 27-JUN-2011 22:00:03; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;48765
4; 564.6; 27-JUN-2011 22:02:01; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48765
5; 721.1; 27-JUN-2011 22:04:37; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48765
6; 1255.4; 27-JUN-2011 22:13:32; Dark ; 41.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 82; 0;48765
7; 1337.7; 27-JUN-2011 22:14:54; Dark ; 45.5; 116; 19Del Sgr ; 2.70; 4100;occ; 91; 0;48765
8; 1463.3; 27-JUN-2011 22:16:59; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48765
9; 1970.6; 27-JUN-2011 22:25:27; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48765
10; 2111.0; 27-JUN-2011 22:27:47; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48765
11; 2653.0; 27-JUN-2011 22:36:49; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48765
12; 2799.0; 27-JUN-2011 22:39:15; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48765
13; 3347.2; 27-JUN-2011 22:48:23; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;48765
14; 3780.7; 27-JUN-2011 22:55:37; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48765
15; 3879.2; 27-JUN-2011 22:57:15; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48765
16; 4043.3; 27-JUN-2011 23:00:00; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48765
17; 4246.0; 27-JUN-2011 23:03:22; Bright; 45.0; 73; 57Gam1And ; 2.26; 13100;occ; 90; 0;48765
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3; 447.6; 27-JUN-2011 23:40:18; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48766
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5; 721.7; 27-JUN-2011 23:44:52; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48766
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13; 3346.5; 28-JUN-2011 00:28:37; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48766
14; 3780.1; 28-JUN-2011 00:35:50; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48766
15; 3878.8; 28-JUN-2011 00:37:29; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48766
16; 4043.4; 28-JUN-2011 00:40:14; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48766
17; 4245.9; 28-JUN-2011 00:43:36; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48766
18; 4399.4; 28-JUN-2011 00:46:10; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48766
19; 4645.3; 28-JUN-2011 00:50:15; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48766
20; 4940.7; 28-JUN-2011 00:55:11; Dark ; 38.0; 94; 92Alp Cet ; 2.53; 3100;occ; 76; 0;48766
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3; -1970.3; 27-JUN-2011 06:17:40; Bright; 49.5; 160; 23Gam Per ; 2.93; 4700;occ; 99; 0;48755
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13; 1252.9; 27-JUN-2011 07:11:23; Dark ; 46.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 92; 0;48756
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 6; 3785.1; 27-JUN-2011 07:53:35; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48756
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 17; 6731.3; 27-JUN-2011 08:42:42; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;48757
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 4; 2800.9; 27-JUN-2011 09:17:25; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48757
 5; 3352.2; 27-JUN-2011 09:26:37; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48757
 6; 3784.6; 27-JUN-2011 09:33:49; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48757
 7; 3882.5; 27-JUN-2011 09:35:27; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48757
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 10; 4398.8; 27-JUN-2011 09:44:03; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;48757
 11; 4642.7; 27-JUN-2011 09:48:07; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;48757
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 17; 6731.5; 27-JUN-2011 10:22:56; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48758
 18; 7267.3; 27-JUN-2011 10:31:52; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48758
 19; 7350.0; 27-JUN-2011 10:33:14; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48758
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 5; 3351.8; 27-JUN-2011 11:06:50; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48758
 6; 3784.1; 27-JUN-2011 11:14:02; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;48758
 7; 3882.1; 27-JUN-2011 11:15:40; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48758
 8; 4043.5; 27-JUN-2011 11:18:22; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48758
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 13; 5449.4; 27-JUN-2011 11:41:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48758
 14; 6066.0; 27-JUN-2011 11:52:04; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;48759
 15; 6454.7; 27-JUN-2011 11:58:33; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48759
 16; 6573.4; 27-JUN-2011 12:00:32; Dark ; 55.0; 31; Alp Gru ; 1.73; 15200;occ; 110; 0;48759
 17; 6732.3; 27-JUN-2011 12:03:11; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48759
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 3; 2656.4; 27-JUN-2011 12:35:29; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48759
 4; 2800.3; 27-JUN-2011 12:37:52; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48759
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 6; 3783.5; 27-JUN-2011 12:54:16; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48759
 7; 3881.8; 27-JUN-2011 12:55:54; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48759

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15; 6455.7; 27-JUN-2011 13:38:48; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48760
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18; 7267.9; 27-JUN-2011 13:52:20; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;48760
19; 7350.4; 27-JUN-2011 13:53:43; Dark ; 47.0; 116; 19Del Sgr ; 2.70; 4100;occ; 94; 0;48760
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6; 3349.8; 27-JUN-2011 16:07:30; Bright; 48.0; 89; 5Alp Cep ; 2.45; 8000;occ; 96; 0;48761
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17; 6738.8; 28-JUN-2011 09:46:19; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48772
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6; 3777.1; 28-JUN-2011 10:37:11; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48772
7; 3876.3; 28-JUN-2011 10:38:50; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48772
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9; 4245.8; 28-JUN-2011 10:45:00; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;48772
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18; 7271.4; 28-JUN-2011 11:35:26; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48773
19; 7353.7; 28-JUN-2011 11:36:48; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48773
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5; 3341.5; 28-JUN-2011 12:10:09; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48773
6; 3776.9; 28-JUN-2011 12:17:25; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48773
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12; 4943.5; 28-JUN-2011 12:36:52; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48773
13; 5461.5; 28-JUN-2011 12:45:30; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48773
14; 6080.6; 28-JUN-2011 12:55:49; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48774
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16; 6587.0; 28-JUN-2011 13:04:15; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48774
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3; 2648.2; 28-JUN-2011 13:38:50; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48774
4; 2797.4; 28-JUN-2011 13:41:19; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48774
5; 3341.0; 28-JUN-2011 13:50:23; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48774
6; 3776.0; 28-JUN-2011 13:57:38; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48774
7; 3875.5; 28-JUN-2011 13:59:17; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48774
8; 4043.2; 28-JUN-2011 14:02:05; Bright; 37.5; 160; 23Gam Per ; 2.93; 4700;occ; 75; 0;48774
9; 4245.7; 28-JUN-2011 14:05:28; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48774
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11; 4647.8; 28-JUN-2011 14:12:10; Dark ; 55.0; 50; 13Alp Ari ; 2.01; 4250;occ; 110; 0;48774
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13; 5462.4; 28-JUN-2011 14:25:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48774
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5; 2647.9; 28-JUN-2011 15:19:04; Bright; 48.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 97; 0;48775
6; 2797.3; 28-JUN-2011 15:21:33; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48775
7; 3340.4; 28-JUN-2011 15:30:36; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48775
8; 3775.8; 28-JUN-2011 15:37:52; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48775
9; 3875.4; 28-JUN-2011 15:39:31; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48775

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 13; 4648.2; 28-JUN-2011 15:52:24; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48775
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 17; 6471.5; 28-JUN-2011 16:22:47; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48776
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 4; 1970.4; 28-JUN-2011 16:48:00; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48776
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 11; 4043.1; 28-JUN-2011 17:22:33; Bright; 41.0; 160; 23Gam Per ; 2.93; 4700;occ; 82; 0;48776
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 18; 6472.5; 28-JUN-2011 18:03:02; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;48777
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 11; 4042.8; 28-JUN-2011 19:02:47; Bright; 37.0; 160; 23Gam Per ; 2.93; 4700;occ; 74; 0;48777
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 17; 6084.6; 28-JUN-2011 19:36:49; Dark ; 61.5; 84; Alp Phe ; 2.40; 4500;occ; 123; 0;48778
 18; 6473.3; 28-JUN-2011 19:43:17; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48778
 19; 6590.7; 28-JUN-2011 19:45:15; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48778
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 3; 462.1; 29-JUN-2011 00:44:02; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48781
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 11; 2226.9; 29-JUN-2011 01:13:27; Bright; 33.0; 168; 17Zet Aql ; 2.99; 11000;occ; 66; 0;48781
 12; 2644.5; 29-JUN-2011 01:20:24; Bright; 62.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 124; 0;48781
 13; 2795.9; 29-JUN-2011 01:22:56; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48781
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17; 4042.7; 29-JUN-2011 01:43:43; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48781
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19; 4400.2; 29-JUN-2011 01:49:40; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48781
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21; 4946.8; 29-JUN-2011 01:58:47; Dark ; 46.5; 94; 92Alp Cet ; 2.53; 3100;occ; 93; 0;48781
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19; 7482.1; 29-JUN-2011 12:42:26; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;48788

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2; 2109.6; 29-JUN-2011 12:53:07; Bright; 36.0; 59; 55Alp Oph ; 2.08; 8900;occ; 72; 0;48788
3; 2223.3; 29-JUN-2011 12:55:01; Bright; 48.5; 168; 17Zet Aql ; 2.99; 11000;occ; 97; 0;48788
4; 2641.3; 29-JUN-2011 13:01:59; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48788
5; 2795.1; 29-JUN-2011 13:04:33; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48788
6; 2914.0; 29-JUN-2011 13:06:32; Bright; 33.0; 144; 18Del Cyg ; 2.86; 11000;occ; 66; 0;48788
7; 3769.2; 29-JUN-2011 13:20:47; Bright; 70.0; 74; 11Bet Cas ; 2.27; 6600;occ; 140; 0;48788
8; 3869.9; 29-JUN-2011 13:22:28; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48788
9; 4042.5; 29-JUN-2011 13:25:20; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48788
10; 4244.9; 29-JUN-2011 13:28:43; Bright; 56.5; 73; 57Gam1And ; 2.26; 13100;occ; 113; 0;48788
11; 4401.0; 29-JUN-2011 13:31:19; Dark ; 50.5; 173; 4Bet Tri ; 3.00; 8900;occ; 101; 0;48788
12; 4652.2; 29-JUN-2011 13:35:30; Dark ; 55.0; 50; 13Alp Ari ; 2.01; 4250;occ; 110; 0;48788
13; 4949.7; 29-JUN-2011 13:40:27; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48788
14; 5474.1; 29-JUN-2011 13:49:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48788
15; 6095.9; 29-JUN-2011 13:59:34; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;48789
16; 6484.1; 29-JUN-2011 14:06:02; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;48789
17; 6600.8; 29-JUN-2011 14:07:59; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48789
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19; 7316.3; 29-JUN-2011 14:19:54; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48789
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2; 2109.7; 29-JUN-2011 14:33:21; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48789
3; 2222.7; 29-JUN-2011 14:35:14; Bright; 50.5; 168; 17Zet Aql ; 2.99; 11000;occ; 101; 0;48789
4; 2640.8; 29-JUN-2011 14:42:13; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;48789
5; 2795.0; 29-JUN-2011 14:44:47; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;48789
6; 2913.3; 29-JUN-2011 14:46:45; Bright; 33.0; 144; 18Del Cyg ; 2.86; 11000;occ; 66; 0;48789

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8; 3768.9; 29-JUN-2011 15:01:01; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48789
9; 3869.5; 29-JUN-2011 15:02:41; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48789
10; 4042.6; 29-JUN-2011 15:05:34; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48789
11; 4245.0; 29-JUN-2011 15:08:57; Bright; 46.0; 73; 57Gam1And ; 2.26; 13100;occ; 92; 0;48789
12; 4401.2; 29-JUN-2011 15:11:33; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48789
13; 4652.6; 29-JUN-2011 15:15:44; Dark ; 52.0; 50; 13Alp Ari ; 2.01; 4250;occ; 104; 0;48789
14; 4950.1; 29-JUN-2011 15:20:42; Dark ; 50.0; 94; 92Alp Cet ; 2.53; 3100;occ; 100; 0;48789
15; 5475.0; 29-JUN-2011 15:29:27; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48789
16; 6097.0; 29-JUN-2011 15:39:49; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48790
17; 6485.0; 29-JUN-2011 15:46:17; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48790
18; 6601.6; 29-JUN-2011 15:48:13; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;48790
19; 6747.8; 29-JUN-2011 15:50:40; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48790
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3; 1970.1; 29-JUN-2011 16:11:16; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48790
4; 2109.6; 29-JUN-2011 16:13:35; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48790
5; 2222.2; 29-JUN-2011 16:15:28; Bright; 48.0; 168; 17Zet Aql ; 2.99; 11000;occ; 96; 0;48790
6; 2640.3; 29-JUN-2011 16:22:26; Bright; 47.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 95; 0;48790
7; 2794.8; 29-JUN-2011 16:25:01; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48790
8; 2912.4; 29-JUN-2011 16:26:58; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;48790
9; 3330.3; 29-JUN-2011 16:33:56; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48790
10; 3768.2; 29-JUN-2011 16:41:14; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;48790
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12; 4042.5; 29-JUN-2011 16:45:48; Bright; 36.5; 160; 23Gam Per ; 2.93; 4700;occ; 73; 0;48790
13; 4244.8; 29-JUN-2011 16:49:11; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48790
14; 4401.2; 29-JUN-2011 16:51:47; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48790
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16; 4950.6; 29-JUN-2011 17:00:56; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48790
17; 5476.0; 29-JUN-2011 17:09:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48790
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19; 6486.1; 29-JUN-2011 17:26:32; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;48791
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21; 6748.4; 29-JUN-2011 17:30:54; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48791
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2; 1468.6; 29-JUN-2011 17:43:08; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;48791
3; 1969.9; 29-JUN-2011 17:51:30; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48791
4; 2109.5; 29-JUN-2011 17:53:49; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48791
5; 2221.7; 29-JUN-2011 17:55:42; Bright; 67.0; 168; 17Zet Aql ; 2.99; 11000;occ; 134; 0;48791
6; 2639.8; 29-JUN-2011 18:02:40; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48791
7; 2794.5; 29-JUN-2011 18:05:14; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48791
8; 2911.3; 29-JUN-2011 18:07:11; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;48791
9; 3329.7; 29-JUN-2011 18:14:09; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;48791
10; 3767.6; 29-JUN-2011 18:21:27; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;48791
11; 3868.5; 29-JUN-2011 18:23:08; Bright; 50.0; 68; 18Alp Cas ; 2.22; 4500;occ; 100; 0;48791
12; 4042.3; 29-JUN-2011 18:26:02; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;48791
13; 4244.8; 29-JUN-2011 18:29:25; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;48791
14; 4401.3; 29-JUN-2011 18:32:01; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48791
15; 4653.1; 29-JUN-2011 18:36:13; Dark ; 58.0; 50; 13Alp Ari ; 2.01; 4250;occ; 116; 0;48791
16; 4950.9; 29-JUN-2011 18:41:11; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48791
17; 5476.8; 29-JUN-2011 18:49:57; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48791
18; 6099.0; 29-JUN-2011 19:00:19; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;48792
19; 6487.0; 29-JUN-2011 19:06:47; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48792
20; 6603.6; 29-JUN-2011 19:08:43; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48792
21; 6748.8; 29-JUN-2011 19:11:09; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48792
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3; 475.7; 30-JUN-2011 00:07:31; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48795
4; 592.1; 30-JUN-2011 00:09:28; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48795
5; 736.1; 30-JUN-2011 00:11:52; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48795
6; 1304.0; 30-JUN-2011 00:21:20; Dark ; 47.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 94; 0;48795
7; 1469.3; 30-JUN-2011 00:24:05; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48795
8; 1969.7; 30-JUN-2011 00:32:25; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48795
9; 2109.2; 30-JUN-2011 00:34:45; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48795

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 11; 2637.8; 30-JUN-2011 00:43:33; Bright; 62.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 124; 0;48795
 12; 2793.8; 30-JUN-2011 00:46:10; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48795
 13; 2907.7; 30-JUN-2011 00:48:03; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;48795
 14; 3326.7; 30-JUN-2011 00:55:02; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48795
 15; 3765.4; 30-JUN-2011 01:02:21; Bright; 59.0; 74; 11Bet Cas ; 2.27; 6600;occ; 118; 0;48795
 16; 3866.8; 30-JUN-2011 01:04:02; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48795
 17; 4042.0; 30-JUN-2011 01:06:58; Bright; 45.5; 160; 23Gam Per ; 2.93; 4700;occ; 91; 0;48795
 18; 4244.3; 30-JUN-2011 01:10:20; Bright; 50.5; 73; 57Gam1And ; 2.26; 13100;occ; 101; 0;48795
 19; 4401.3; 30-JUN-2011 01:12:57; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48795
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 3; 1969.8; 29-JUN-2011 19:31:44; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48792
 4; 2109.4; 29-JUN-2011 19:34:03; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48792
 5; 2221.0; 29-JUN-2011 19:35:55; Bright; 48.0; 168; 17Zet Aql ; 2.99; 11000;occ; 96; 0;48792
 6; 2639.2; 29-JUN-2011 19:42:53; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;48792
 7; 2794.3; 29-JUN-2011 19:45:28; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;48792
 8; 2910.5; 29-JUN-2011 19:47:24; Bright; 42.0; 144; 18Del Cyg ; 2.86; 11000;occ; 84; 0;48792
 9; 3328.8; 29-JUN-2011 19:54:23; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48792
 10; 3767.1; 29-JUN-2011 20:01:41; Bright; 70.0; 74; 11Bet Cas ; 2.27; 6600;occ; 140; 0;48792
 11; 3868.1; 29-JUN-2011 20:03:22; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48792
 12; 4042.3; 29-JUN-2011 20:06:16; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48792
 13; 4244.6; 29-JUN-2011 20:09:38; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48792
 14; 4401.3; 29-JUN-2011 20:12:15; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48792
 15; 4653.4; 29-JUN-2011 20:16:27; Dark ; 57.0; 50; 13Alp Ari ; 2.01; 4250;occ; 114; 0;48792
 16; 4951.2; 29-JUN-2011 20:21:25; Dark ; 41.5; 94; 92Alp Cet ; 2.53; 3100;occ; 83; 0;48792
 17; 5477.6; 29-JUN-2011 20:30:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48792
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 19; 6487.8; 29-JUN-2011 20:47:02; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;48793
 20; 6604.4; 29-JUN-2011 20:48:58; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;48793
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 5; 736.6; 30-JUN-2011 01:52:06; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48796
 6; 1304.3; 30-JUN-2011 02:01:34; Dark ; 45.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 91; 0;48796
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 16; 3866.3; 30-JUN-2011 02:44:16; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48796
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 21; 4952.8; 30-JUN-2011 03:02:22; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;48796
 22; 5481.0; 30-JUN-2011 03:11:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48796
 23; 6104.0; 30-JUN-2011 03:21:34; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;48797
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 27; 7318.8; 30-JUN-2011 03:41:48; Dark ; 47.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 95; 0;48797
 28; 7483.8; 30-JUN-2011 03:44:33; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48797
 29; 7983.9; 30-JUN-2011 03:52:53; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48797
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 31; 8232.3; 30-JUN-2011 03:57:02; Bright; 48.5; 168; 17Zet Aql ; 2.99; 11000;occ; 97; 0;48797
 32; 8651.0; 30-JUN-2011 04:04:01; Bright; 43.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 87; 0;48797
 33; 8807.6; 30-JUN-2011 04:06:37; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;48797

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9; 91.1; 30-JUN-2011 05:01:49; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;48798
10; 478.8; 30-JUN-2011 05:08:16; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48798
11; 594.8; 30-JUN-2011 05:10:12; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48798
12; 737.8; 30-JUN-2011 05:12:35; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48798
13; 1305.1; 30-JUN-2011 05:22:03; Dark ; 45.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 91; 0;48798
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10; 479.7; 30-JUN-2011 06:48:31; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;48799
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13; 1305.5; 30-JUN-2011 07:02:17; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48799
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3; 2217.4; 30-JUN-2011 07:17:29; Bright; 49.0; 168; 17Zet Aql ; 2.99; 11000;occ; 98; 0;48799
4; 2636.0; 30-JUN-2011 07:24:28; Bright; 42.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 85; 0;48799
5; 2793.3; 30-JUN-2011 07:27:05; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48799
6; 2904.5; 30-JUN-2011 07:28:56; Bright; 54.0; 144; 18Del Cyg ; 2.86; 11000;occ; 108; 0;48799
7; 3324.1; 30-JUN-2011 07:35:56; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48799
8; 3763.5; 30-JUN-2011 07:43:15; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;48799
9; 3856.2; 30-JUN-2011 07:44:48; Bright; 40.0; 110; 37Del Cas ; 2.68; 8900;occ; 80; 0;48799
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 3; 2216.8; 30-JUN-2011 08:57:43; Bright; 49.0; 168; 17Zet Aql ; 2.99; 11000;occ; 98; 0;48800
 4; 2635.4; 30-JUN-2011 09:04:41; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;48800
 5; 2793.2; 30-JUN-2011 09:07:19; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48800
 6; 2903.7; 30-JUN-2011 09:09:09; Bright; 61.0; 144; 18Del Cyg ; 2.86; 11000;occ; 122; 0;48800
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 12; 4244.0; 30-JUN-2011 11:11:44; Bright; 48.5; 73; 57Gam1And ; 2.26; 13100;occ; 97; 0;48801
 13; 4401.8; 30-JUN-2011 11:14:21; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48801
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 7; 3322.2; 30-JUN-2011 12:36:36; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48802
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 2; 1969.8; 30-JUN-2011 15:34:31; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48804
 3; 2109.0; 30-JUN-2011 15:36:51; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48804
 4; 2214.7; 30-JUN-2011 15:38:36; Bright; 47.5; 168; 17Zet Aql ; 2.99; 11000;occ; 95; 0;48804
 5; 2633.5; 30-JUN-2011 15:45:35; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;48804
 6; 2792.6; 30-JUN-2011 15:48:14; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;48804
 7; 2900.4; 30-JUN-2011 15:50:02; Bright; 46.5; 144; 18Del Cyg ; 2.86; 11000;occ; 93; 0;48804
 8; 3320.9; 30-JUN-2011 15:57:02; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48804
 9; 3761.0; 30-JUN-2011 16:04:22; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;48804
10; 3854.9; 30-JUN-2011 16:05:56; Bright; 54.0; 110; 37Del Cas ; 2.68; 8900;occ; 108; 0;48804
11; 4041.8; 30-JUN-2011 16:09:03; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48804
12; 4145.3; 30-JUN-2011 16:10:47; Bright; 33.5; 175; 39Del Per ; 3.01; 19400;occ; 67; 0;48804
13; 4243.8; 30-JUN-2011 16:12:25; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48804
14; 4402.0; 30-JUN-2011 16:15:03; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;48804
15; 4657.4; 30-JUN-2011 16:19:19; Dark ; 57.0; 50; 13Alp Ari ; 2.01; 4250;occ; 114; 0;48804
16; 4956.3; 30-JUN-2011 16:24:18; Dark ; 49.5; 94; 92Alp Cet ; 2.53; 3100;occ; 99; 0;48804
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 7; 2899.6; 30-JUN-2011 17:30:15; Bright; 47.5; 144; 18Del Cyg ; 2.86; 11000;occ; 95; 0;48805
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 9; 3760.4; 30-JUN-2011 17:44:36; Bright; 68.0; 74; 11Bet Cas ; 2.27; 6600;occ; 136; 0;48805
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 13; 4243.7; 30-JUN-2011 17:52:39; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;48805
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