

GOMOS Daily Report 28-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	01JUL2011 07:06:49
Data source version	GOMOS/6.01
Start time of products	28JUN2011 00:05:41
Stop time of products	28JUN2011 23:58:59
Store outputs in DB	Yes
Nb of level 1b prods	274
Nb of prods with errors	1

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

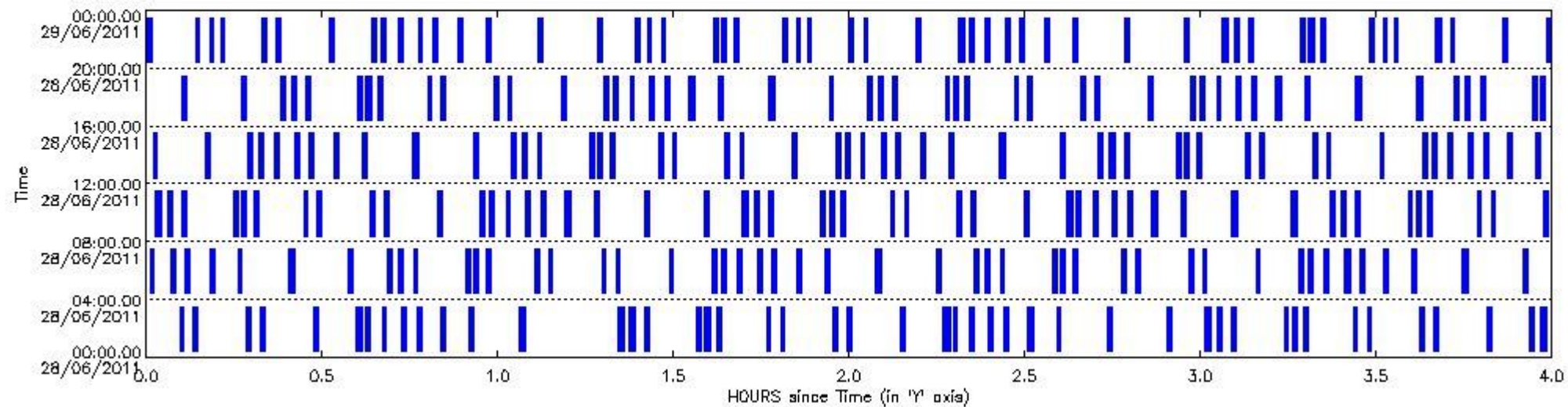
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

No missing products.

2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20110628_000541_000000383104_00045_48766_8923.N1	28-JUN-2011 00:05:41	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	48766	No
2	GOM_TRA_1PNPDE20110628_000801_000000393104_00045_48766_8924.N1	28-JUN-2011 00:08:01	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	48766	No
3	GOM_TRA_1PNPDE20110628_001702_000000463104_00045_48766_8925.N1	28-JUN-2011 00:17:02	Bright	45.500	5	3Alp Lyr	0.033000	11000.	91	48766	No
4	GOM_TRA_1PNPDE20110628_001929_000000533104_00045_48766_8926.N1	28-JUN-2011 00:19:29	Bright	53.000	130	23Bet Dra	2.7990	5800.0	106	48766	No
5	GOM_TRA_1PNPDE20110628_002837_000000463104_00045_48766_8927.N1	28-JUN-2011 00:28:37	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48766	No
6	GOM_TRA_1PNPDE20110628_003550_000000693104_00045_48766_8928.N1	28-JUN-2011 00:35:50	Bright	69.000	74	11Bet Cas	2.2680	6600.0	138	48766	No
7	GOM_TRA_1PNPDE20110628_003729_000000483104_00045_48766_8929.N1	28-JUN-2011 00:37:29	Bright	48.000	68	18Alp Cas	2.2250	4500.0	96	48766	No
8	GOM_TRA_1PNPDE20110628_004014_000000363104_00045_48766_8930.N1	28-JUN-2011 00:40:14	Bright	36.000	160	23Gam Per	2.9300	4700.0	72	48766	No
9	GOM_TRA_1PNPDE20110628_004336_000000483104_00045_48766_8931.N1	28-JUN-2011 00:43:36	Bright	48.000	73	57Gam1And	2.2600	13100.	96	48766	No
10	GOM_TRA_1PNPDE20110628_004610_000000483104_00045_48766_8932.N1	28-JUN-2011 00:46:10	Tw_i_and_stray	47.500	173	4Bet Tri	3.0040	8900.0	95	48766	No
11	GOM_TRA_1PNPDE20110628_005015_000000553104_00045_48766_8933.N1	28-JUN-2011 00:50:15	Dark	54.500	50	13Alp Ari	2.0070	4250.0	109	48766	No
12	GOM_TRA_1PNPDE20110628_005511_000000383104_00045_48766_8934.N1	28-JUN-2011 00:55:11	Dark	38.000	94	92Alp Cet	2.5260	3100.0	76	48766	No

13	GOM_TRA_1PNPDE20110628_012032_000000623104_00046_48767_8956.N1	28-JUN-2011 01:20:32	Straylight	62.000	63	Bet Gru	2.1500	2800.0	124	48767	No
14	GOM_TRA_1PNPDE20110628_012231_000000583104_00046_48767_8957.N1	28-JUN-2011 01:22:31	Straylight	58.000	31	Alp Gru	1.7340	15200.	116	48767	No
15	GOM_TRA_1PNPDE20110628_012506_000000473104_00046_48767_8958.N1	28-JUN-2011 01:25:06	Straylight	47.000	45	Alp Pav	1.9400	26000.	94	48767	No
16	GOM_TRA_1PNPDE20110628_013400_000000453104_00046_48767_8959.N1	28-JUN-2011 01:34:00	Twilight_and_stray	45.000	38	20Eps Sgr	1.8360	11000.	90	48767	No
17	GOM_TRA_1PNPDE20110628_013522_000000563104_00046_48767_8960.N1	28-JUN-2011 01:35:22	Bright	56.000	116	19Del Sgr	2.7000	4100.0	112	48767	No
18	GOM_TRA_1PNPDE20110628_013728_000000473104_00046_48767_8961.N1	28-JUN-2011 01:37:28	Bright	46.500	155	41Pi Sgr	2.9000	6600.0	93	48767	No
19	GOM_TRA_1PNPDE20110628_014555_000000383104_00046_48767_8962.N1	28-JUN-2011 01:45:55	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	48767	No
20	GOM_TRA_1PNPDE20110628_014815_000000393104_00046_48767_8963.N1	28-JUN-2011 01:48:15	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	48767	No
21	GOM_TRA_1PNPDE20110628_015716_000000463104_00046_48767_8964.N1	28-JUN-2011 01:57:16	Bright	46.000	5	3Alp Lyr	0.033000	11000.	92	48767	No
22	GOM_TRA_1PNPDE20110628_015943_000000363104_00046_48767_8965.N1	28-JUN-2011 01:59:43	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	48767	No
23	GOM_TRA_1PNPDE20110628_020850_000000453104_00046_48767_8966.N1	28-JUN-2011 02:08:50	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	48767	No
24	GOM_TRA_1PNPDE20110628_021604_000000693104_00046_48767_8967.N1	28-JUN-2011 02:16:04	Bright	69.000	74	11Bet Cas	2.2680	6600.0	138	48767	No
25	GOM_TRA_1PNPDE20110628_021743_000000483104_00046_48767_8968.N1	28-JUN-2011 02:17:43	Bright	48.000	68	18Alp Cas	2.2250	4500.0	96	48767	No
26	GOM_TRA_1PNPDE20110628_022027_000000523104_00046_48767_8969.N1	28-JUN-2011 02:20:27	Bright	52.000	160	23Gam Per	2.9300	4700.0	104	48767	No
27	GOM_TRA_1PNPDE20110628_022350_000000493104_00046_48767_8970.N1	28-JUN-2011 02:23:50	Bright	49.000	73	57Gam1And	2.2600	13100.	98	48767	No
28	GOM_TRA_1PNPDE20110628_022624_000000453104_00046_48767_8971.N1	28-JUN-2011 02:26:24	Twilight_and_stray	45.000	173	4Bet Tri	3.0040	8900.0	90	48767	No
29	GOM_TRA_1PNPDE20110628_023030_000000553104_00046_48767_8972.N1	28-JUN-2011 02:30:30	Dark	54.500	50	13Alp Ari	2.0070	4250.0	109	48767	No
30	GOM_TRA_1PNPDE20110628_023525_000000393104_00046_48767_8973.N1	28-JUN-2011 02:35:25	Dark	39.000	94	92Alp Cet	2.5260	3100.0	78	48767	No
31	GOM_TRA_1PNPDE20110628_025419_000000463104_00047_48768_8974.N1	28-JUN-2011 02:54:19	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	48768	No
32	GOM_TRA_1PNPDE20110628_030048_000000553104_00047_48768_8975.N1	28-JUN-2011 03:00:48	Straylight	55.000	63	Bet Gru	2.1500	2800.0	110	48768	No
33	GOM_TRA_1PNPDE20110628_030246_000000483104_00047_48768_8976.N1	28-JUN-2011 03:02:46	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	48768	No
34	GOM_TRA_1PNPDE20110628_030521_000000433104_00047_48768_8977.N1	28-JUN-2011 03:05:21	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48768	No
35	GOM_TRA_1PNPDE20110628_031414_000000453104_00047_48768_8978.N1	28-JUN-2011 03:14:14	Twilight_and_stray	44.500	38	20Eps Sgr	1.8360	11000.	89	48768	No
36	GOM_TRA_1PNPDE20110628_031537_000000543104_00047_48768_8979.N1	28-JUN-2011 03:15:37	Bright	53.500	116	19Del Sgr	2.7000	4100.0	107	48768	No
37	GOM_TRA_1PNPDE20110628_031742_000000473104_00047_48768_8980.N1	28-JUN-2011 03:17:42	Bright	47.000	155	41Pi Sgr	2.9000	6600.0	94	48768	No
38	GOM_TRA_1PNPDE20110628_032609_000000383104_00047_48768_8981.N1	28-JUN-2011 03:26:09	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	48768	No
39	GOM_TRA_1PNPDE20110628_032829_000000393104_00047_48768_8982.N1	28-JUN-2011 03:28:29	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	48768	No
40	GOM_TRA_1PNPDE20110628_033729_000000463104_00047_48768_8983.N1	28-JUN-2011 03:37:29	Bright	46.000	5	3Alp Lyr	0.033000	11000.	92	48768	No
41	GOM_TRA_1PNPDE20110628_033957_000000383104_00047_48768_8984.N1	28-JUN-2011 03:39:57	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	48768	No
42	GOM_TRA_1PNPDE20110628_034903_000000433104_00047_48768_8985.N1	28-JUN-2011 03:49:03	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	48768	No
43	GOM_TRA_1PNPDE20110628_035617_000000483104_00047_48768_9439.N1	28-JUN-2011 03:56:17	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	48768	No
44	GOM_TRA_1PNPDE20110628_035756_000000633104_00047_48768_9440.N1	28-JUN-2011 03:57:56	Bright	63.000	68	18Alp Cas	2.2250	4500.0	126	48768	No
45	GOM_TRA_1PNPDE20110628_040041_000000383104_00047_48768_9441.N1	28-JUN-2011 04:00:41	Bright	38.000	160	23Gam Per	2.9300	4700.0	76	48768	No
46	GOM_TRA_1PNPDE20110628_040404_000000473104_00047_48768_9442.N1	28-JUN-2011 04:04:04	Bright	47.000	73	57Gam1And	2.2600	13100.	94	48768	No
47	GOM_TRA_1PNPDE20110628_040638_000000493104_00047_48768_9443.N1	28-JUN-2011 04:06:38	Twilight_and_stray	48.500	173	4Bet Tri	3.0040	8900.0	97	48768	No
48	GOM_TRA_1PNPDE20110628_041044_000000553104_00047_48768_9444.N1	28-JUN-2011 04:10:44	Dark	54.500	50	13Alp Ari	2.0070	4250.0	109	48768	No
49	GOM_TRA_1PNPDE20110628_041540_000000413104_00047_48768_9445.N1	28-JUN-2011 04:15:40	Dark	41.000	94	92Alp Cet	2.5260	3100.0	82	48768	No
50	GOM_TRA_1PNPDE20110628_043434_000000493104_00048_48769_9446.N1	28-JUN-2011 04:34:34	Dark	49.000	84	Alp Phe	2.3970	4500.0	98	48769	No
51	GOM_TRA_1PNPDE20110628_044103_000000523104_00048_48769_9447.N1	28-JUN-2011 04:41:03	Straylight	52.000	63	Bet Gru	2.1500	2800.0	104	48769	No
52	GOM_TRA_1PNPDE20110628_044301_000000523104_00048_48769_9448.N1	28-JUN-2011 04:43:01	Straylight	51.500	31	Alp Gru	1.7340	15200.	103	48769	No
53	GOM_TRA_1PNPDE20110628_044535_000000413104_00048_48769_9449.N1	28-JUN-2011 04:45:35	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48769	No
54	GOM_TRA_1PNPDE20110628_045429_000000463104_00048_48769_9450.N1	28-JUN-2011 04:54:29	Twilight_and_stray	45.500	38	20Eps Sgr	1.8360	11000.	91	48769	No
55	GOM_TRA_1PNPDE20110628_045551_000000533104_00048_48769_9451.N1	28-JUN-2011 04:55:51	Bright	52.500	116	19Del Sgr	2.7000	4100.0	105	48769	No
56	GOM_TRA_1PNPDE20110628_045756_000000463104_00048_48769_9452.N1	28-JUN-2011 04:57:56	Bright	46.000	155	41Pi Sgr	2.9000	6600.0	92	48769	No
57	GOM_TRA_1PNPDE20110628_050623_000000383104_00048_48769_9453.N1	28-JUN-2011 05:06:23	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	48769	No
58	GOM_TRA_1PNPDE20110628_050843_000000373104_00048_48769_9454.N1	28-JUN-2011 05:08:43	Bright	37.000	59	55Alp Oph	2.0800	8900.0	74	48769	No
59	GOM_TRA_1PNPDE20110628_051743_000000453104_00048_48769_9455.N1	28-JUN-2011 05:17:43	Bright	45.000	5	3Alp Lyr	0.033000	11000.	90	48769	No
60	GOM_TRA_1PNPDE20110628_052011_000000383104_00048_48769_9456.N1	28-JUN-2011 05:20:11	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	48769	No
61	GOM_TRA_1PNPDE20110628_052917_000000463104_00048_48769_9457.N1	28-JUN-2011 05:29:17	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48769	No
62	GOM_TRA_1PNPDE20110628_053631_000000603104_00048_48769_9444.N1	28-JUN-2011 05:36:31	Bright	59.500	74	11Bet Cas	2.2680	6600.0	119	48769	No
63	GOM_TRA_1PNPDE20110628_053810_000000503104_00048_48769_9445.N1	28-JUN-2011 05:38:10	Bright	49.500	68	18Alp Cas	2.2250	4500.0	99	48769	No
64	GOM_TRA_1PNPDE20110628_054055_000000393104_00048_48769_9446.N1	28-JUN-2011 05:40:55	Bright	38.500	160	23Gam Per	2.9300	4700.0	77	48769	No
65	GOM_TRA_1PNPDE20110628_054418_000000523104_00048_48769_9447.N1	28-JUN-2011 05:44:18	Bright	51.500	73	57Gam1And	2.2600	13100.	103	48769	No
66	GOM_TRA_1PNPDE20110628_054652_000000493104_00048_48769_9448.N1	28-JUN-2011 05:46:52	Twilight_and_stray	48.500	173	4Bet Tri	3.0040	8900.0	97	48769	No
67	GOM_TRA_1PNPDE20110628_055058_000000553104_00048_48769_9449.N1	28-JUN-2011 05:50:58	Dark	55.000	50	13Alp Ari	2.0070	4250.0	110	48769	No
68	GOM_TRA_1PNPDE20110628_055554_000000473104_00048_48769_9450.N1	28-JUN-2011 05:55:54	Dark	46.500	94	92Alp Cet	2.5260	3100.0	93	48769	No
69	GOM_TRA_1PNPDE20110628_061449_000000543104_00049_48770_9451.N1	28-JUN-2011 06:14:49	Dark	54.000	84	Alp Phe	2.3970	4500.0	108	48770	No
70	GOM_TRA_1PNPDE20110628_062117_000000543104_00049_48770_9452.N1	28-JUN-2011 06:21:17	Straylight	53.500	63	Bet Gru	2.1500	2800.0	107	48770	No
71	GOM_TRA_1PNPDE20110628_062316_000000503104_00049_48770_9453.N1	28-JUN-2011 06:23:16	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	48770	No

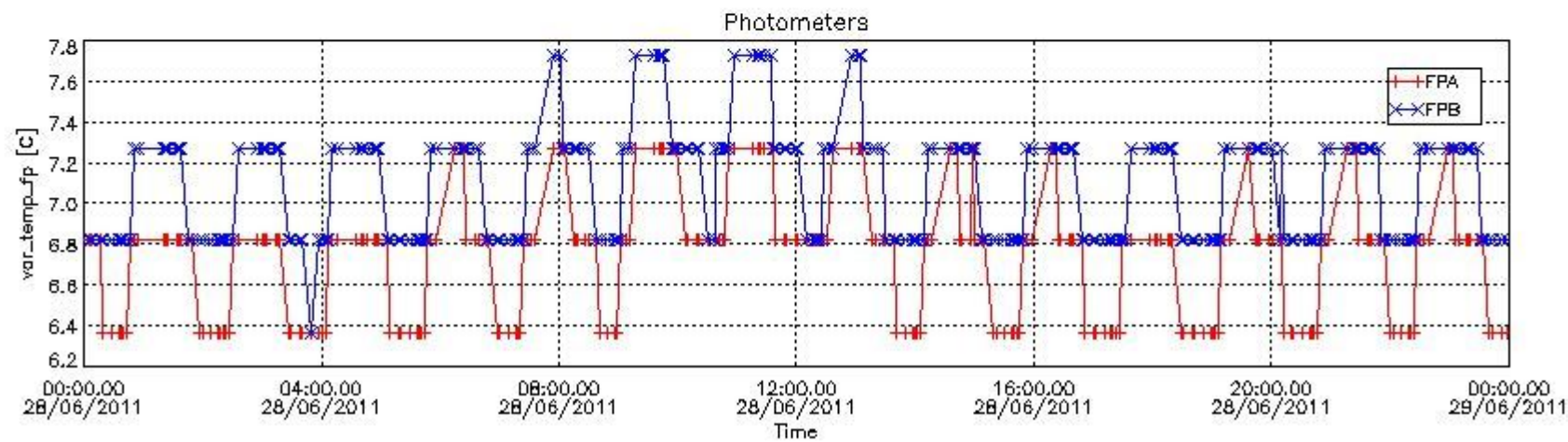
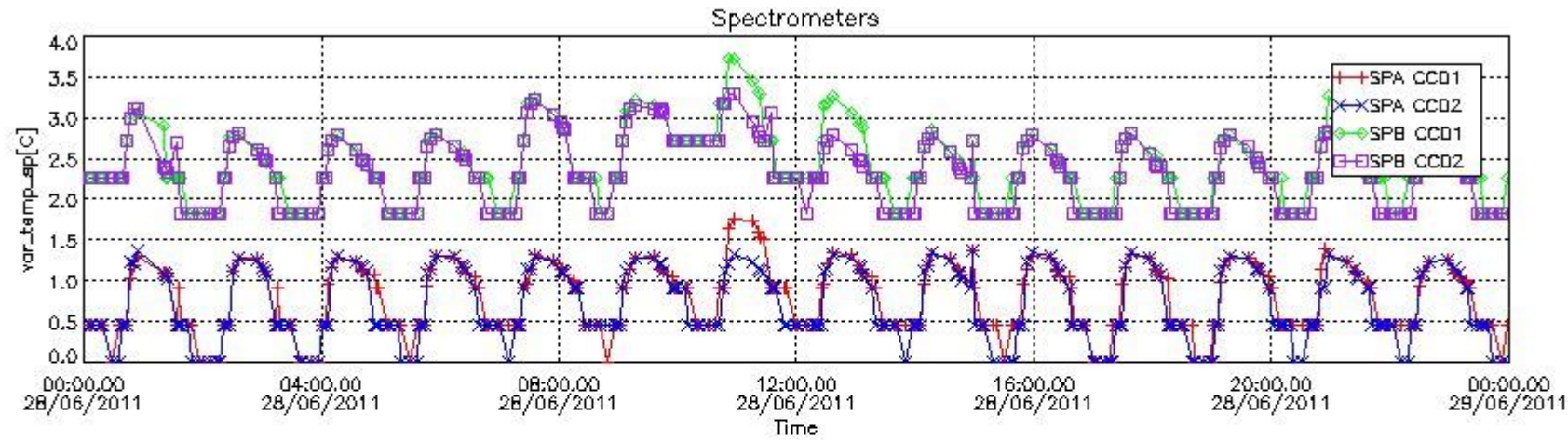
72	GOM_TRA_1PNPDE20110628_062550_000000423104_00049_48770_9454.N1	28-JUN-2011 06:25:50	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48770	No
73	GOM_TRA_1PNPDE20110628_063443_000000453104_00049_48770_9455.N1	28-JUN-2011 06:34:43	Twilight_stray	44.500	38	20Eps Sgr	1.8360	11000.	89	48770	No
74	GOM_TRA_1PNPDE20110628_063605_000000473104_00049_48770_9456.N1	28-JUN-2011 06:36:05	Bright	46.500	116	19Del Sgr	2.7000	4100.0	93	48770	No
75	GOM_TRA_1PNPDE20110628_063811_000000483104_00049_48770_9457.N1	28-JUN-2011 06:38:11	Bright	47.500	155	41Pi Sgr	2.9000	6600.0	95	48770	No
76	GOM_TRA_1PNPDE20110628_064637_000000383104_00049_48770_9458.N1	28-JUN-2011 06:46:37	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	48770	No
77	GOM_TRA_1PNPDE20110628_064857_000000403104_00049_48770_9459.N1	28-JUN-2011 06:48:57	Bright	39.500	59	55Alp Oph	2.0800	8900.0	79	48770	No
78	GOM_TRA_1PNPDE20110628_065756_000000473104_00049_48770_9460.N1	28-JUN-2011 06:57:56	Bright	46.500	5	3Alp Lyr	0.033000	11000.	93	48770	No
79	GOM_TRA_1PNPDE20110628_070024_000000383104_00049_48770_9461.N1	28-JUN-2011 07:00:24	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	48770	No
80	GOM_TRA_1PNPDE20110628_070930_000000433104_00049_48770_9462.N1	28-JUN-2011 07:09:30	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	48770	No
81	GOM_TRA_1PNPDK20110628_071644_000000483104_00049_48770_9929.N1	28-JUN-2011 07:16:44	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	48770	No
82	GOM_TRA_1PNPDK20110628_071824_000000493104_00049_48770_9930.N1	28-JUN-2011 07:18:24	Bright	49.000	68	18Alp Cas	2.2250	4500.0	98	48770	No
83	GOM_TRA_1PNPDK20110628_072109_000000483104_00049_48770_9931.N1	28-JUN-2011 07:21:09	Bright	48.000	160	23Gam Per	2.9300	4700.0	96	48770	No
84	GOM_TRA_1PNPDK20110628_072432_000000633104_00049_48770_9932.N1	28-JUN-2011 07:24:32	Bright	63.000	73	57Gam1And	2.2600	13100.	126	48770	No
85	GOM_TRA_1PNPDK20110628_072706_000000493104_00049_48770_9933.N1	28-JUN-2011 07:27:06	Twilight_stray	49.000	173	4Bet Tri	3.0040	8900.0	98	48770	No
86	GOM_TRA_1PNPDK20110628_073113_000000553104_00049_48770_9934.N1	28-JUN-2011 07:31:13	Dark	55.000	50	13Alp Ari	2.0070	4250.0	110	48770	No
87	GOM_TRA_1PNPDK20110628_073609_000000483104_00049_48770_9935.N1	28-JUN-2011 07:36:09	Dark	48.000	94	92Alp Cet	2.5260	3100.0	96	48770	No
88	GOM_TRA_1PNPDK20110628_075504_000000573104_00050_48771_9936.N1	28-JUN-2011 07:55:04	Dark	57.000	84	Alp Phe	2.3970	4500.0	114	48771	No
89	GOM_TRA_1PNPDK20110628_080133_000000673104_00050_48771_9937.N1	28-JUN-2011 08:01:33	Straylight	67.000	63	Bet Gru	2.1500	2800.0	134	48771	No
90	GOM_TRA_1PNPDK20110628_080330_000000503104_00050_48771_9938.N1	28-JUN-2011 08:03:30	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	48771	No
91	GOM_TRA_1PNPDK20110628_080604_000000453104_00050_48771_9939.N1	28-JUN-2011 08:06:04	Straylight	45.000	45	Alp Pav	1.9400	26000.	90	48771	No
92	GOM_TRA_1PNPDK20110628_081457_000000453104_00050_48771_9940.N1	28-JUN-2011 08:14:57	Twilight_stray	44.500	38	20Eps Sgr	1.8360	11000.	89	48771	No
93	GOM_TRA_1PNPDK20110628_081620_000000493104_00050_48771_9941.N1	28-JUN-2011 08:16:20	Bright	49.000	116	19Del Sgr	2.7000	4100.0	98	48771	No
94	GOM_TRA_1PNPDK20110628_081825_000000473104_00050_48771_9942.N1	28-JUN-2011 08:18:25	Bright	46.500	155	41Pi Sgr	2.9000	6600.0	93	48771	No
95	GOM_TRA_1PNPDK20110628_082650_000000383104_00050_48771_9957.N1	28-JUN-2011 08:26:50	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	48771	No
96	GOM_TRA_1PNPDK20110628_082911_000000393104_00050_48771_9958.N1	28-JUN-2011 08:29:11	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	48771	No
97	GOM_TRA_1PNPDK20110628_083810_000000513104_00050_48771_9959.N1	28-JUN-2011 08:38:10	Bright	50.500	5	3Alp Lyr	0.033000	11000.	101	48771	No
98	GOM_TRA_1PNPDK20110628_084038_000000403104_00050_48771_9960.N1	28-JUN-2011 08:40:38	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	48771	No
99	GOM_TRA_1PNPDK20110628_084943_000000463104_00050_48771_9961.N1	28-JUN-2011 08:49:43	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48771	No
100	GOM_TRA_1PNPDK20110628_085658_000000523104_00050_48771_9962.N1	28-JUN-2011 08:56:58	Bright	51.500	74	11Bet Cas	2.2680	6600.0	103	48771	No
101	GOM_TRA_1PNPDK20110628_085837_000000493104_00050_48771_9963.N1	28-JUN-2011 08:58:37	Bright	49.000	68	18Alp Cas	2.2250	4500.0	98	48771	No
102	GOM_TRA_1PNPDK20110628_090123_000000363104_00050_48771_9964.N1	28-JUN-2011 09:01:23	Bright	36.000	160	23Gam Per	2.9300	4700.0	72	48771	No
103	GOM_TRA_1PNPDK20110628_090446_000000473104_00050_48771_9965.N1	28-JUN-2011 09:04:46	Bright	47.000	73	57Gam1And	2.2600	13100.	94	48771	No
104	GOM_TRA_1PNPDK20110628_090720_000000483104_00050_48771_9966.N1	28-JUN-2011 09:07:20	Twilight_stray	48.000	173	4Bet Tri	3.0040	8900.0	96	48771	No
105	GOM_TRA_1PNPDK20110628_091127_000000553104_00050_48771_9967.N1	28-JUN-2011 09:11:27	Dark	55.000	50	13Alp Ari	2.0070	4250.0	110	48771	No
106	GOM_TRA_1PNPDK20110628_091623_000000493104_00050_48771_9968.N1	28-JUN-2011 09:16:23	Dark	48.500	94	92Alp Cet	2.5260	3100.0	97	48771	No
107	GOM_TRA_1PNPDK20110628_093519_000000493104_00051_48772_9969.N1	28-JUN-2011 09:35:19	Dark	48.500	84	Alp Phe	2.3970	4500.0	97	48772	No
108	GOM_TRA_1PNPDK20110628_094147_000000543104_00051_48772_9970.N1	28-JUN-2011 09:41:47	Straylight	54.000	63	Bet Gru	2.1500	2800.0	108	48772	No
109	GOM_TRA_1PNPDK20110628_094345_000000493104_00051_48772_9971.N1	28-JUN-2011 09:43:45	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	48772	No
110	GOM_TRA_1PNPDK20110628_094619_000000423104_00051_48772_9972.N1	28-JUN-2011 09:46:19	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48772	No
111	GOM_TRA_1PNPDK20110628_095512_000000463104_00051_48772_9973.N1	28-JUN-2011 09:55:12	Twilight_stray	45.500	38	20Eps Sgr	1.8360	11000.	91	48772	No
112	GOM_TRA_1PNPDK20110628_095634_000000503104_00051_48772_9974.N1	28-JUN-2011 09:56:34	Bright	50.000	116	19Del Sgr	2.7000	4100.0	100	48772	No
113	GOM_TRA_1PNPDK20110628_095839_000000463104_00051_48772_9975.N1	28-JUN-2011 09:58:39	Bright	45.500	155	41Pi Sgr	2.9000	6600.0	91	48772	No
114	GOM_TRA_1PNPDK20110628_100704_000000383104_00051_48772_9989.N1	28-JUN-2011 10:07:04	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	48772	No
115	GOM_TRA_1PNPDK20110628_100925_000000403104_00051_48772_9990.N1	28-JUN-2011 10:09:25	Bright	39.500	59	55Alp Oph	2.0800	8900.0	79	48772	No
116	GOM_TRA_1PNPDK20110628_101823_000000483104_00051_48772_9991.N1	28-JUN-2011 10:18:23	Bright	48.000	5	3Alp Lyr	0.033000	11000.	96	48772	No
117	GOM_TRA_1PNPDK20110628_102052_000000393104_00051_48772_9992.N1	28-JUN-2011 10:20:52	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	48772	No
118	GOM_TRA_1PNPDK20110628_102957_000000473104_00051_48772_9993.N1	28-JUN-2011 10:29:57	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48772	No
119	GOM_TRA_1PNPDK20110628_103711_000000693104_00051_48772_9994.N1	28-JUN-2011 10:37:11	Bright	69.000	74	11Bet Cas	2.2680	6600.0	138	48772	No
120	GOM_TRA_1PNPDK20110628_103850_000000483104_00051_48772_9995.N1	28-JUN-2011 10:38:50	Bright	48.000	68	18Alp Cas	2.2250	4500.0	96	48772	No
121	GOM_TRA_1PNPDK20110628_104137_000000563104_00051_48772_9996.N1	28-JUN-2011 10:41:37	Bright	56.000	160	23Gam Per	2.9300	4700.0	112	48772	No
122	GOM_TRA_1PNPDK20110628_104500_000000473104_00051_48772_9997.N1	28-JUN-2011 10:45:00	Bright	46.500	73	57Gam1And	2.2600	13100.	93	48772	No
123	GOM_TRA_1PNPDK20110628_104734_000000493104_00051_48772_9998.N1	28-JUN-2011 10:47:34	Twilight_stray	49.000	173	4Bet Tri	3.0040	8900.0	98	48772	No
124	GOM_TRA_1PNPDK20110628_105141_000000593104_00051_48772_9999.N1	28-JUN-2011 10:51:41	Dark	59.000	50	13Alp Ari	2.0070	4250.0	118	48772	No
125	GOM_TRA_1PNPDK20110628_105637_000000493104_00051_48772_0000.N1	28-JUN-2011 10:56:37	Dark	49.000	94	92Alp Cet	2.5260	3100.0	98	48772	No
126	GOM_TRA_1PNPDK20110628_111534_000000503104_00052_48773_0001.N1	28-JUN-2011 11:15:34	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	48773	No
127	GOM_TRA_1PNPDK20110628_112202_000000513104_00052_48773_0002.N1	28-JUN-2011 11:22:02	Straylight	51.000	63	Bet Gru	2.1500	2800.0	102	48773	No
128	GOM_TRA_1PNPDK20110628_112400_000000533104_00052_48773_0003.N1	28-JUN-2011 11:24:00	Straylight	53.000	31	Alp Gru	1.7340	15200.	106	48773	No
129	GOM_TRA_1PNPDK20110628_112633_000000423104_00052_48773_0004.N1	28-JUN-2011 11:26:33	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48773	No
130	GOM_TRA_1PNPDK20110628_113526_000000453104_00052_48773_0005.N1	28-JUN-2011 11:35:26	Twilight_stray	45.000	38	20Eps Sgr	1.8360	11000.	90	48773	No

131	GOM_TRA_1PNPDK20110628_113648_000000503104_00052_48773_0006.N1	28-JUN-2011 11:36:48	Bright	50.000	116	19Del Sgr	2.7000	4100.0	100	48773	No
132	GOM_TRA_1PNPDK20110628_113853_000000453104_00052_48773_0007.N1	28-JUN-2011 11:38:53	Bright	45.000	155	41Pi Sgr	2.9000	6600.0	90	48773	No
133	GOM_TRA_1PNPDK20110628_114718_000000383104_00052_48773_0018.N1	28-JUN-2011 11:47:18	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	48773	No
134	GOM_TRA_1PNPDK20110628_114939_000000373104_00052_48773_0019.N1	28-JUN-2011 11:49:39	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	48773	No
135	GOM_TRA_1PNPDK20110628_115837_000000483104_00052_48773_0020.N1	28-JUN-2011 11:58:37	Bright	48.000	5	3Alp Lyr	0.033000	11000.	96	48773	No
136	GOM_TRA_1PNPDK20110628_120106_000000403104_00052_48773_0021.N1	28-JUN-2011 12:01:06	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	48773	No
137	GOM_TRA_1PNPDK20110628_121009_000000463104_00052_48773_0022.N1	28-JUN-2011 12:10:09	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48773	No
138	GOM_TRA_1PNPDK20110628_121725_000000473104_00052_48773_0023.N1	28-JUN-2011 12:17:25	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	48773	No
139	GOM_TRA_1PNPDK20110628_121904_000000493104_00052_48773_0024.N1	28-JUN-2011 12:19:04	Bright	48.500	68	18Alp Cas	2.2250	4500.0	97	48773	No
140	GOM_TRA_1PNPDK20110628_122151_000000423104_00052_48773_0025.N1	28-JUN-2011 12:21:51	Bright	41.500	160	23Gam Per	2.9300	4700.0	83	48773	No
141	GOM_TRA_1PNPDK20110628_122514_000000483104_00052_48773_0026.N1	28-JUN-2011 12:25:14	Bright	47.500	73	57Gam1And	2.2600	13100.	95	48773	No
142	GOM_TRA_1PNPDK20110628_122748_000000493104_00052_48773_0027.N1	28-JUN-2011 12:27:48	Twilight	49.000	173	4Bet Tri	3.0040	8900.0	98	48773	No
143	GOM_TRA_1PNPDK20110628_123155_000000543104_00052_48773_0028.N1	28-JUN-2011 12:31:55	Dark	54.000	50	13Alp Ari	2.0070	4250.0	108	48773	No
144	GOM_TRA_1PNPDK20110628_123652_000000483104_00052_48773_0029.N1	28-JUN-2011 12:36:52	Dark	48.000	94	92Alp Cet	2.5260	3100.0	96	48773	No
145	GOM_TRA_1PNPDK20110628_125549_000000523104_00053_48774_0030.N1	28-JUN-2011 12:55:49	Dark	51.500	84	Alp Phe	2.3970	4500.0	103	48774	No
146	GOM_TRA_1PNPDK20110628_130217_000000513104_00053_48774_0031.N1	28-JUN-2011 13:02:17	Straylight	50.500	63	Bet Gru	2.1500	2800.0	101	48774	No
147	GOM_TRA_1PNPDK20110628_130415_000000503104_00053_48774_0032.N1	28-JUN-2011 13:04:15	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	48774	No
148	GOM_TRA_1PNPDK20110628_130648_000000433104_00053_48774_0033.N1	28-JUN-2011 13:06:48	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48774	No
149	GOM_TRA_1PNPDK20110628_131540_000000453104_00053_48774_0034.N1	28-JUN-2011 13:15:40	Twilight	45.000	38	20Eps Sgr	1.8360	11000.	90	48774	No
150	GOM_TRA_1PNPDK20110628_131702_000000463104_00053_48774_0035.N1	28-JUN-2011 13:17:02	Bright	45.500	116	19Del Sgr	2.7000	4100.0	91	48774	No
151	GOM_TRA_1PNPDK20110628_131907_000000463104_00053_48774_0036.N1	28-JUN-2011 13:19:07	Bright	45.500	155	41Pi Sgr	2.9000	6600.0	91	48774	No
152	GOM_TRA_1PNPDK20110628_132732_000000383104_00053_48774_0058.N1	28-JUN-2011 13:27:32	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	48774	No
153	GOM_TRA_1PNPDK20110628_132953_000000373104_00053_48774_0059.N1	28-JUN-2011 13:29:53	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	48774	No
154	GOM_TRA_1PNPDK20110628_133850_000000483104_00053_48774_0060.N1	28-JUN-2011 13:38:50	Bright	48.000	5	3Alp Lyr	0.033000	11000.	96	48774	No
155	GOM_TRA_1PNPDK20110628_134119_000000393104_00053_48774_0061.N1	28-JUN-2011 13:41:19	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48774	No
156	GOM_TRA_1PNPDK20110628_135023_000000453104_00053_48774_0062.N1	28-JUN-2011 13:50:23	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	48774	No
157	GOM_TRA_1PNPDK20110628_135738_000000483104_00053_48774_0063.N1	28-JUN-2011 13:57:38	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	48774	No
158	GOM_TRA_1PNPDK20110628_135917_000000493104_00053_48774_0064.N1	28-JUN-2011 13:59:17	Bright	48.500	68	18Alp Cas	2.2250	4500.0	97	48774	No
159	GOM_TRA_1PNPDK20110628_140205_000000383104_00053_48774_0065.N1	28-JUN-2011 14:02:05	Bright	37.500	160	23Gam Per	2.9300	4700.0	75	48774	No
160	GOM_TRA_1PNPDK20110628_140528_000000483104_00053_48774_0066.N1	28-JUN-2011 14:05:28	Bright	48.000	73	57Gam1And	2.2600	13100.	96	48774	No
161	GOM_TRA_1PNPDK20110628_140802_000000503104_00053_48774_0067.N1	28-JUN-2011 14:08:02	Twilight	49.500	173	4Bet Tri	3.0040	8900.0	99	48774	No
162	GOM_TRA_1PNPDK20110628_141210_000000553104_00053_48774_0068.N1	28-JUN-2011 14:12:10	Dark	55.000	50	13Alp Ari	2.0070	4250.0	110	48774	No
163	GOM_TRA_1PNPDK20110628_141706_000000493104_00053_48774_0069.N1	28-JUN-2011 14:17:06	Dark	48.500	94	92Alp Cet	2.5260	3100.0	97	48774	No
164	GOM_TRA_1PNPDK20110628_143604_000000503104_00054_48775_0070.N1	28-JUN-2011 14:36:04	Dark	49.500	84	Alp Phe	2.3970	4500.0	99	48775	No
165	GOM_TRA_1PNPDK20110628_144232_000000523104_00054_48775_0071.N1	28-JUN-2011 14:42:32	Straylight	51.500	63	Bet Gru	2.1500	2800.0	103	48775	No
166	GOM_TRA_1PNPDK20110628_144430_000000493104_00054_48775_0072.N1	28-JUN-2011 14:44:30	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	48775	No
167	GOM_TRA_1PNPDK20110628_144702_000000433104_00054_48775_0073.N1	28-JUN-2011 14:47:02	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48775	No
168	GOM_TRA_1PNPDK20110628_145554_000000483104_00054_48775_0074.N1	28-JUN-2011 14:55:54	Twilight	47.500	38	20Eps Sgr	1.8360	11000.	95	48775	No
169	GOM_TRA_1PNPDK20110628_145716_000000503104_00054_48775_0084.N1	28-JUN-2011 14:57:16	Bright	50.000	116	19Del Sgr	2.7000	4100.0	100	48775	Yes
170	GOM_TRA_1PNPDK20110628_145921_000000453104_00054_48775_0085.N1	28-JUN-2011 14:59:21	Bright	44.500	155	41Pi Sgr	2.9000	6600.0	89	48775	No
171	GOM_TRA_1PNPDK20110628_150746_000000383104_00054_48775_0086.N1	28-JUN-2011 15:07:46	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	48775	No
172	GOM_TRA_1PNPDK20110628_151006_000000413104_00054_48775_0087.N1	28-JUN-2011 15:10:06	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	48775	No
173	GOM_TRA_1PNPDK20110628_151904_000000493104_00054_48775_0088.N1	28-JUN-2011 15:19:04	Bright	48.500	5	3Alp Lyr	0.033000	11000.	97	48775	No
174	GOM_TRA_1PNPDK20110628_152133_000000393104_00054_48775_0089.N1	28-JUN-2011 15:21:33	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	48775	No
175	GOM_TRA_1PNPDK20110628_153036_000000453104_00054_48775_0090.N1	28-JUN-2011 15:30:36	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	48775	No
176	GOM_TRA_1PNPDK20110628_153752_000000483104_00054_48775_0091.N1	28-JUN-2011 15:37:52	Bright	47.500	74	11Bet Cas	2.2680	6600.0	95	48775	No
177	GOM_TRA_1PNPDK20110628_153931_000000493104_00054_48775_0092.N1	28-JUN-2011 15:39:31	Bright	48.500	68	18Alp Cas	2.2250	4500.0	97	48775	No
178	GOM_TRA_1PNPDK20110628_154219_000000473104_00054_48775_0093.N1	28-JUN-2011 15:42:19	Bright	46.500	160	23Gam Per	2.9300	4700.0	93	48775	No
179	GOM_TRA_1PNPDK20110628_154542_000000483104_00054_48775_0094.N1	28-JUN-2011 15:45:42	Bright	47.500	73	57Gam1And	2.2600	13100.	95	48775	No
180	GOM_TRA_1PNPDK20110628_154816_000000493104_00054_48775_0095.N1	28-JUN-2011 15:48:16	Twilight	49.000	173	4Bet Tri	3.0040	8900.0	98	48775	No
181	GOM_TRA_1PNPDK20110628_155224_000000553104_00054_48775_0096.N1	28-JUN-2011 15:52:24	Dark	54.500	50	13Alp Ari	2.0070	4250.0	109	48775	No
182	GOM_TRA_1PNPDK20110628_155720_000000493104_00054_48775_0097.N1	28-JUN-2011 15:57:20	Dark	49.000	94	92Alp Cet	2.5260	3100.0	98	48775	No
183	GOM_TRA_1PNPDK20110628_161619_000000473104_00055_48776_0098.N1	28-JUN-2011 16:16:19	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	48776	No
184	GOM_TRA_1PNPDK20110628_162247_000000513104_00055_48776_0099.N1	28-JUN-2011 16:22:47	Straylight	51.000	63	Bet Gru	2.1500	2800.0	102	48776	No
185	GOM_TRA_1PNPDK20110628_162445_000000493104_00055_48776_0100.N1	28-JUN-2011 16:24:45	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	48776	No
186	GOM_TRA_1PNPDK20110628_162717_000000413104_00055_48776_0101.N1	28-JUN-2011 16:27:17	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	48776	No
187	GOM_TRA_1PNPDK20110628_163609_000000463104_00055_48776_0105.N1	28-JUN-2011 16:36:09	Twilight	45.500	38	20Eps Sgr	1.8360	11000.	91	48776	No
188	GOM_TRA_1PNPDK20110628_163731_000000523104_00055_48776_0106.N1	28-JUN-2011 16:37:31	Bright	52.000	116	19Del Sgr	2.7000	4100.0	104	48776	No
189	GOM_TRA_1PNPDK20110628_163935_000000473104_00055_48776_0107.N1	28-JUN-2011 16:39:35	Bright	46.500	155	41Pi Sgr	2.9000	6600.0	93	48776	No

190	GOM_TRA_1PNPDK20110628_164800_000000393104_00055_48776_0108.N1	28-JUN-2011 16:48:00	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	48776	No
191	GOM_TRA_1PNPDK20110628_165020_000000373104_00055_48776_0109.N1	28-JUN-2011 16:50:20	Bright	37.000	59	55Alp Oph	2.0800	8900.0	74	48776	No
192	GOM_TRA_1PNPDK20110628_165917_000000483104_00055_48776_0110.N1	28-JUN-2011 16:59:17	Bright	48.000	5	3Alp Lyr	0.033000	11000.	96	48776	No
193	GOM_TRA_1PNPDK20110628_170147_000000383104_00055_48776_0111.N1	28-JUN-2011 17:01:47	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	48776	No
194	GOM_TRA_1PNPDK20110628_171049_000000483104_00055_48776_0112.N1	28-JUN-2011 17:10:49	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48776	No
195	GOM_TRA_1PNPDK20110628_171805_000000513104_00055_48776_0113.N1	28-JUN-2011 17:18:05	Bright	51.000	74	11Bet Cas	2.2680	6600.0	102	48776	No
196	GOM_TRA_1PNPDK20110628_171945_000000493104_00055_48776_0114.N1	28-JUN-2011 17:19:45	Bright	49.000	68	18Alp Cas	2.2250	4500.0	98	48776	No
197	GOM_TRA_1PNPDK20110628_172233_000000413104_00055_48776_0115.N1	28-JUN-2011 17:22:33	Bright	41.000	160	23Gam Per	2.9300	4700.0	82	48776	No
198	GOM_TRA_1PNPDK20110628_172556_000000483104_00055_48776_0116.N1	28-JUN-2011 17:25:56	Bright	47.500	73	57Gam1And	2.2600	13100.	95	48776	No
199	GOM_TRA_1PNPDK20110628_172830_000000503104_00055_48776_0117.N1	28-JUN-2011 17:28:30	Tw_i_and_stray	50.000	173	4Bet Tri	3.0040	8900.0	100	48776	No
200	GOM_TRA_1PNPDK20110628_173238_000000603104_00055_48776_0118.N1	28-JUN-2011 17:32:38	Dark	59.500	50	13Alp Ari	2.0070	4250.0	119	48776	No
201	GOM_TRA_1PNPDK20110628_173735_000000493104_00055_48776_0119.N1	28-JUN-2011 17:37:35	Dark	49.000	94	92Alp Cet	2.5260	3100.0	98	48776	No
202	GOM_TRA_1PNPDK20110628_175634_000000483104_00056_48777_0120.N1	28-JUN-2011 17:56:34	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	48777	No
203	GOM_TRA_1PNPDK20110628_180302_000000543104_00056_48777_0121.N1	28-JUN-2011 18:03:02	Straylight	54.000	63	Bet Gru	2.1500	2800.0	108	48777	No
204	GOM_TRA_1PNPDK20110628_180500_000000513104_00056_48777_0122.N1	28-JUN-2011 18:05:00	Straylight	50.500	31	Alp Gru	1.7340	15200.	101	48777	No
205	GOM_TRA_1PNPDK20110628_180731_000000423104_00056_48777_0123.N1	28-JUN-2011 18:07:31	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48777	No
206	GOM_TRA_1PNPDK20110628_181623_000000453104_00056_48777_0134.N1	28-JUN-2011 18:16:23	Tw_i_and_stray	45.000	38	20Eps Sgr	1.8360	11000.	90	48777	No
207	GOM_TRA_1PNPDK20110628_181745_000000493104_00056_48777_0135.N1	28-JUN-2011 18:17:45	Bright	49.000	116	19Del Sgr	2.7000	4100.0	98	48777	No
208	GOM_TRA_1PNPDK20110628_181950_000000473104_00056_48777_0136.N1	28-JUN-2011 18:19:50	Bright	46.500	155	41Pi Sgr	2.9000	6600.0	93	48777	No
209	GOM_TRA_1PNPDK20110628_182814_000000393104_00056_48777_0137.N1	28-JUN-2011 18:28:14	Bright	39.000	126	60Bet Oph	2.7700	4250.0	78	48777	No
210	GOM_TRA_1PNPDK20110628_183034_000000383104_00056_48777_0138.N1	28-JUN-2011 18:30:34	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	48777	No
211	GOM_TRA_1PNPDK20110628_183931_000000453104_00056_48777_0139.N1	28-JUN-2011 18:39:31	Bright	44.500	5	3Alp Lyr	0.033000	11000.	89	48777	No
212	GOM_TRA_1PNPDK20110628_184201_000000393104_00056_48777_0140.N1	28-JUN-2011 18:42:01	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48777	No
213	GOM_TRA_1PNPDK20110628_185103_000000473104_00056_48777_0141.N1	28-JUN-2011 18:51:03	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48777	No
214	GOM_TRA_1PNPDK20110628_185819_000000543104_00056_48777_0142.N1	28-JUN-2011 18:58:19	Bright	53.500	74	11Bet Cas	2.2680	6600.0	107	48777	No
215	GOM_TRA_1PNPDK20110628_185958_000000503104_00056_48777_0143.N1	28-JUN-2011 18:59:58	Bright	49.500	68	18Alp Cas	2.2250	4500.0	99	48777	No
216	GOM_TRA_1PNPDK20110628_190247_000000373104_00056_48777_0144.N1	28-JUN-2011 19:02:47	Bright	37.000	160	23Gam Per	2.9300	4700.0	74	48777	No
217	GOM_TRA_1PNPDK20110628_190609_000000433104_00056_48777_0145.N1	28-JUN-2011 19:06:09	Bright	43.000	73	57Gam1And	2.2600	13100.	86	48777	No
218	GOM_TRA_1PNPDK20110628_190844_000000513104_00056_48777_0146.N1	28-JUN-2011 19:08:44	Tw_i_and_stray	51.000	173	4Bet Tri	3.0040	8900.0	102	48777	No
219	GOM_TRA_1PNPDK20110628_191252_000000563104_00056_48777_0147.N1	28-JUN-2011 19:12:52	Dark	55.500	50	13Alp Ari	2.0070	4250.0	111	48777	No
220	GOM_TRA_1PNPDK20110628_191749_000000483104_00056_48777_0148.N1	28-JUN-2011 19:17:49	Dark	48.000	94	92Alp Cet	2.5260	3100.0	96	48777	No
221	GOM_TRA_1PNPDK20110628_193649_000000623104_00057_48778_0149.N1	28-JUN-2011 19:36:49	Dark	61.500	84	Alp Phe	2.3970	4500.0	123	48778	No
222	GOM_TRA_1PNPDK20110628_194317_000000533104_00057_48778_0150.N1	28-JUN-2011 19:43:17	Straylight	52.500	63	Bet Gru	2.1500	2800.0	105	48778	No
223	GOM_TRA_1PNPDK20110628_194515_000000483104_00057_48778_0151.N1	28-JUN-2011 19:45:15	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	48778	No
224	GOM_TRA_1PNPDK20110628_194746_000000483104_00057_48778_0152.N1	28-JUN-2011 19:47:46	Straylight	47.500	45	Alp Pav	1.9400	26000.	95	48778	No
225	GOM_TRA_1PNPDE20110628_195637_000000463104_00057_48778_9430.N1	28-JUN-2011 19:56:37	Tw_i_and_stray	45.500	38	20Eps Sgr	1.8360	11000.	91	48778	No
226	GOM_TRA_1PNPDE20110628_195759_000000503104_00057_48778_9431.N1	28-JUN-2011 19:57:59	Bright	49.500	116	19Del Sgr	2.7000	4100.0	99	48778	No
227	GOM_TRA_1PNPDE20110628_200004_000000473104_00057_48778_9432.N1	28-JUN-2011 20:00:04	Bright	46.500	155	41Pi Sgr	2.9000	6600.0	93	48778	No
228	GOM_TRA_1PNPDE20110628_200828_000000393104_00057_48778_9433.N1	28-JUN-2011 20:08:28	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	48778	No
229	GOM_TRA_1PNPDE20110628_201048_000000393104_00057_48778_9434.N1	28-JUN-2011 20:10:48	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	48778	No
230	GOM_TRA_1PNPDE20110628_201247_000000253104_00057_48778_9435.N1	28-JUN-2011 20:12:47	Tw_i_and_stray	25.000	168	17Zet Aql	2.9860	11000.	50	48778	No
231	GOM_TRA_1PNPDE20110628_201944_000000433104_00057_48778_9436.N1	28-JUN-2011 20:19:44	Bright	43.000	5	3Alp Lyr	0.033000	11000.	86	48778	No
232	GOM_TRA_1PNPDE20110628_202215_000000383104_00057_48778_9437.N1	28-JUN-2011 20:22:15	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	48778	No
233	GOM_TRA_1PNPDE20110628_203116_000000483104_00057_48778_9438.N1	28-JUN-2011 20:31:16	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48778	No
234	GOM_TRA_1PNPDE20110628_203832_000000473104_00057_48778_9439.N1	28-JUN-2011 20:38:32	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	48778	No
235	GOM_TRA_1PNPDE20110628_204012_000000493104_00057_48778_9440.N1	28-JUN-2011 20:40:12	Bright	48.500	68	18Alp Cas	2.2250	4500.0	97	48778	No
236	GOM_TRA_1PNPDE20110628_204301_000000483104_00057_48778_9441.N1	28-JUN-2011 20:43:01	Bright	47.500	160	23Gam Per	2.9300	4700.0	95	48778	No
237	GOM_TRA_1PNPDE20110628_204623_000000473104_00057_48778_9442.N1	28-JUN-2011 20:46:23	Bright	47.000	73	57Gam1And	2.2600	13100.	94	48778	No
238	GOM_TRA_1PNPDE20110628_204858_000000453104_00057_48778_9443.N1	28-JUN-2011 20:48:58	Tw_i_and_stray	45.000	173	4Bet Tri	3.0040	8900.0	90	48778	No
239	GOM_TRA_1PNPDE20110628_205307_000000613104_00057_48778_9444.N1	28-JUN-2011 20:53:07	Dark	60.500	50	13Alp Ari	2.0070	4250.0	121	48778	No
240	GOM_TRA_1PNPDE20110628_205803_000000413104_00057_48778_9432.N1	28-JUN-2011 20:58:03	Dark	41.000	94	92Alp Cet	2.5260	3100.0	82	48778	No
241	GOM_TRA_1PNPDE20110628_211704_000000513104_00058_48779_9433.N1	28-JUN-2011 21:17:04	Dark	51.000	84	Alp Phe	2.3970	4500.0	102	48779	No
242	GOM_TRA_1PNPDE20110628_212332_000000503104_00058_48779_9434.N1	28-JUN-2011 21:23:32	Straylight	49.500	63	Bet Gru	2.1500	2800.0	99	48779	No
243	GOM_TRA_1PNPDE20110628_212530_000000483104_00058_48779_9435.N1	28-JUN-2011 21:25:30	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	48779	No
244	GOM_TRA_1PNPDE20110628_212800_000000403104_00058_48779_9436.N1	28-JUN-2011 21:28:00	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	48779	No
245	GOM_TRA_1PNPDE20110628_213651_000000443104_00058_48779_9437.N1	28-JUN-2011 21:36:51	Tw_i_and_stray	44.000	38	20Eps Sgr	1.8360	11000.	88	48779	No
246	GOM_TRA_1PNPDE20110628_213813_000000463104_00058_48779_9438.N1	28-JUN-2011 21:38:13	Bright	45.500	116	19Del Sgr	2.7000	4100.0	91	48779	No
247	GOM_TRA_1PNPDE20110628_214018_000000453104_00058_48779_9439.N1	28-JUN-2011 21:40:18	Bright	44.500	155	41Pi Sgr	2.9000	6600.0	89	48779	No
248	GOM_TRA_1PNPDE20110628_214842_000000383104_00058_48779_9440.N1	28-JUN-2011 21:48:42	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	48779	No

249	GOM_TRA_1PNPDE20110628_215102_000000383104_00058_48779_9441.N1	28-JUN-2011 21:51:02	Bright	38.000	59	55Alp Oph	2.0800	8900.0	76	48779	No
250	GOM_TRA_1PNPDE20110628_215300_000000253104_00058_48779_9442.N1	28-JUN-2011 21:53:00	Twilight	25.000	168	17Zet Aql	2.9860	11000.	50	48779	No
251	GOM_TRA_1PNPDE20110628_215957_000000433104_00058_48779_9443.N1	28-JUN-2011 21:59:57	Bright	43.000	5	3Alp Lyr	0.033000	11000.	86	48779	No
252	GOM_TRA_1PNPDE20110628_220228_000000403104_00058_48779_9444.N1	28-JUN-2011 22:02:28	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	48779	No
253	GOM_TRA_1PNPDE20110628_221130_000000463104_00058_48779_9445.N1	28-JUN-2011 22:11:30	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48779	No
254	GOM_TRA_1PNPDE20110628_221846_000000563104_00058_48779_9446.N1	28-JUN-2011 22:18:46	Bright	56.000	74	11Bet Cas	2.2680	6600.0	112	48779	No
255	GOM_TRA_1PNPDE20110628_222025_000000503104_00058_48779_9447.N1	28-JUN-2011 22:20:25	Bright	49.500	68	18Alp Cas	2.2250	4500.0	99	48779	No
256	GOM_TRA_1PNPDE20110628_222315_000000413104_00058_48779_9448.N1	28-JUN-2011 22:23:15	Bright	41.000	160	23Gam Per	2.9300	4700.0	82	48779	No
257	GOM_TRA_1PNPDE20110628_222637_000000463104_00058_48779_9449.N1	28-JUN-2011 22:26:37	Bright	46.000	73	57Gam1And	2.2600	13100.	92	48779	No
258	GOM_TRA_1PNPDE20110628_222912_000000513104_00058_48779_9450.N1	28-JUN-2011 22:29:12	Twilight	50.500	173	4Bet Tri	3.0040	8900.0	101	48779	No
259	GOM_TRA_1PNPDE20110628_223321_000000533104_00058_48779_9451.N1	28-JUN-2011 22:33:21	Dark	53.000	50	13Alp Ari	2.0070	4250.0	106	48779	No
260	GOM_TRA_1PNPDE20110628_223818_000000383104_00058_48779_9452.N1	28-JUN-2011 22:38:18	Dark	38.000	94	92Alp Cet	2.5260	3100.0	76	48779	No
261	GOM_TRA_1PNPDE20110628_225719_000000513104_00059_48780_9434.N1	28-JUN-2011 22:57:19	Dark	51.000	84	Alp Phe	2.3970	4500.0	102	48780	No
262	GOM_TRA_1PNPDE20110628_230347_000000533104_00059_48780_9435.N1	28-JUN-2011 23:03:47	Straylight	53.000	63	Bet Gru	2.1500	2800.0	106	48780	No
263	GOM_TRA_1PNPDE20110628_230544_000000503104_00059_48780_9436.N1	28-JUN-2011 23:05:44	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	48780	No
264	GOM_TRA_1PNPDE20110628_230815_000000413104_00059_48780_9437.N1	28-JUN-2011 23:08:15	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	48780	No
265	GOM_TRA_1PNPDE20110628_231705_000000463104_00059_48780_9438.N1	28-JUN-2011 23:17:05	Twilight	46.000	38	20Eps Sgr	1.8360	11000.	92	48780	No
266	GOM_TRA_1PNPDE20110628_231827_000000563104_00059_48780_9439.N1	28-JUN-2011 23:18:27	Bright	56.000	116	19Del Sgr	2.7000	4100.0	112	48780	No
267	GOM_TRA_1PNPDE20110628_232032_000000453104_00059_48780_9440.N1	28-JUN-2011 23:20:32	Bright	45.000	155	41Pi Sgr	2.9000	6600.0	90	48780	No
268	GOM_TRA_1PNPDE20110628_232856_000000383104_00059_48780_9441.N1	28-JUN-2011 23:28:56	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	48780	No
269	GOM_TRA_1PNPDE20110628_233116_000000383104_00059_48780_9442.N1	28-JUN-2011 23:31:16	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	48780	No
270	GOM_TRA_1PNPDE20110628_233314_000000333104_00059_48780_9443.N1	28-JUN-2011 23:33:14	Twilight	33.000	168	17Zet Aql	2.9860	11000.	66	48780	No
271	GOM_TRA_1PNPDE20110628_234011_000000523104_00059_48780_9444.N1	28-JUN-2011 23:40:11	Bright	52.000	5	3Alp Lyr	0.033000	11000.	104	48780	No
272	GOM_TRA_1PNPDE20110628_234242_000000383104_00059_48780_9445.N1	28-JUN-2011 23:42:42	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	48780	No
273	GOM_TRA_1PNPDE20110628_235143_000000463104_00059_48780_9446.N1	28-JUN-2011 23:51:43	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48780	No
274	GOM_TRA_1PNPDE20110628_235859_000000473104_00059_48780_9447.N1	28-JUN-2011 23:58:59	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	48780	No

3. Plot of GOMOS spectrometers and photometers temperatures from level 1b data



4. Overview of dark signal processing per product

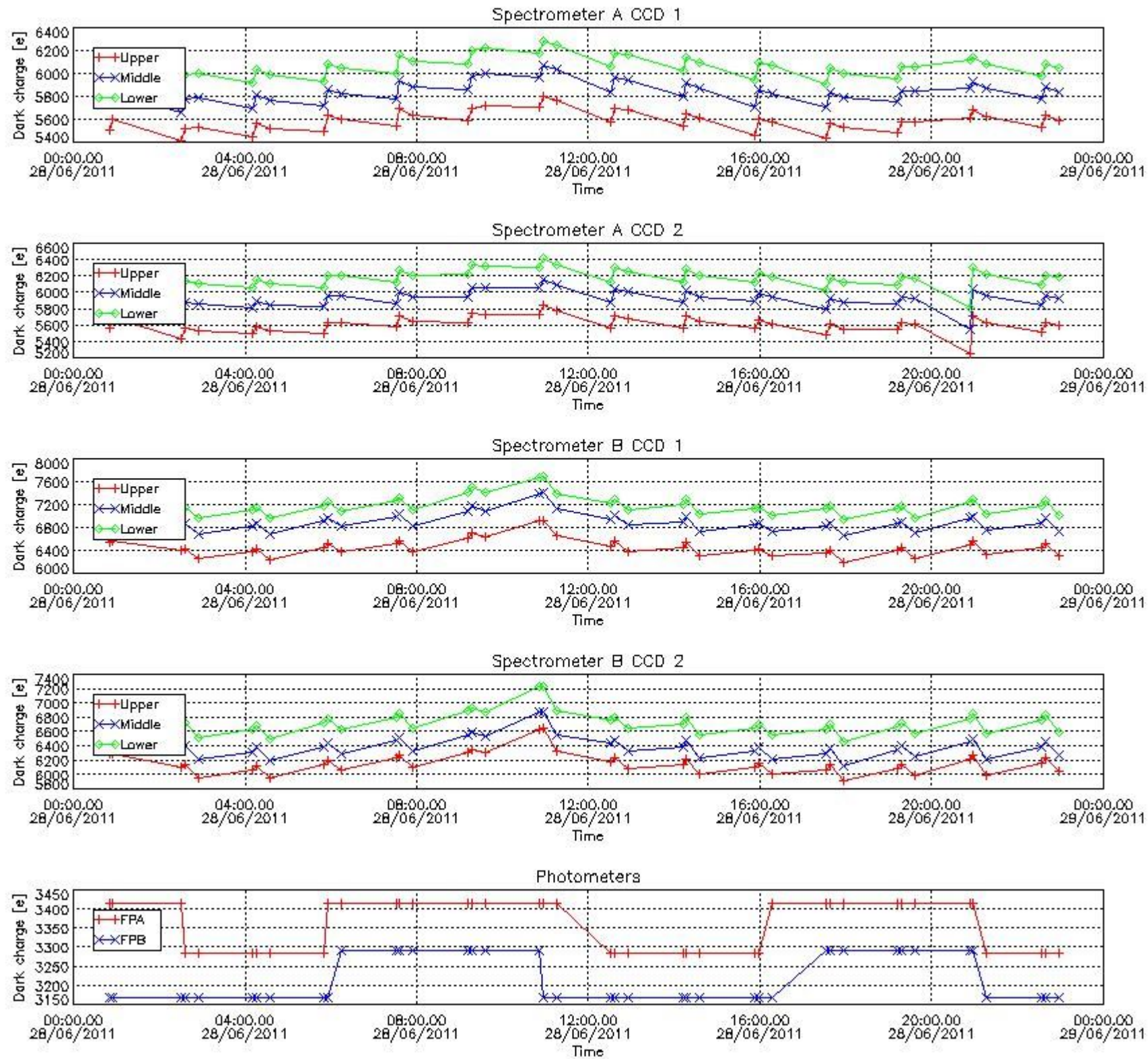
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20110628_195637_000000463104_00057_48778_9430.N1	DC map used
GOM_TRA_1PNPDE20110628_195759_000000503104_00057_48778_9431.N1	DC map used
GOM_TRA_1PNPDE20110628_200004_000000473104_00057_48778_9432.N1	DC map used
GOM_TRA_1PNPDE20110628_200828_000000393104_00057_48778_9433.N1	DC map used
GOM_TRA_1PNPDE20110628_201048_000000393104_00057_48778_9434.N1	DC map used
GOM_TRA_1PNPDE20110628_201247_000000253104_00057_48778_9435.N1	DC map used
GOM_TRA_1PNPDE20110628_201944_000000433104_00057_48778_9436.N1	DC map used
GOM_TRA_1PNPDE20110628_202215_000000383104_00057_48778_9437.N1	DC map used
GOM_TRA_1PNPDE20110628_203116_000000483104_00057_48778_9438.N1	DC map used
GOM_TRA_1PNPDE20110628_203832_000000473104_00057_48778_9439.N1	DC map used
GOM_TRA_1PNPDE20110628_204012_000000493104_00057_48778_9440.N1	DC map used
GOM_TRA_1PNPDE20110628_204301_000000483104_00057_48778_9441.N1	DC map used
GOM_TRA_1PNPDE20110628_204623_000000473104_00057_48778_9442.N1	DC map used
GOM_TRA_1PNPDE20110628_204858_000000453104_00057_48778_9443.N1	DC map used

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



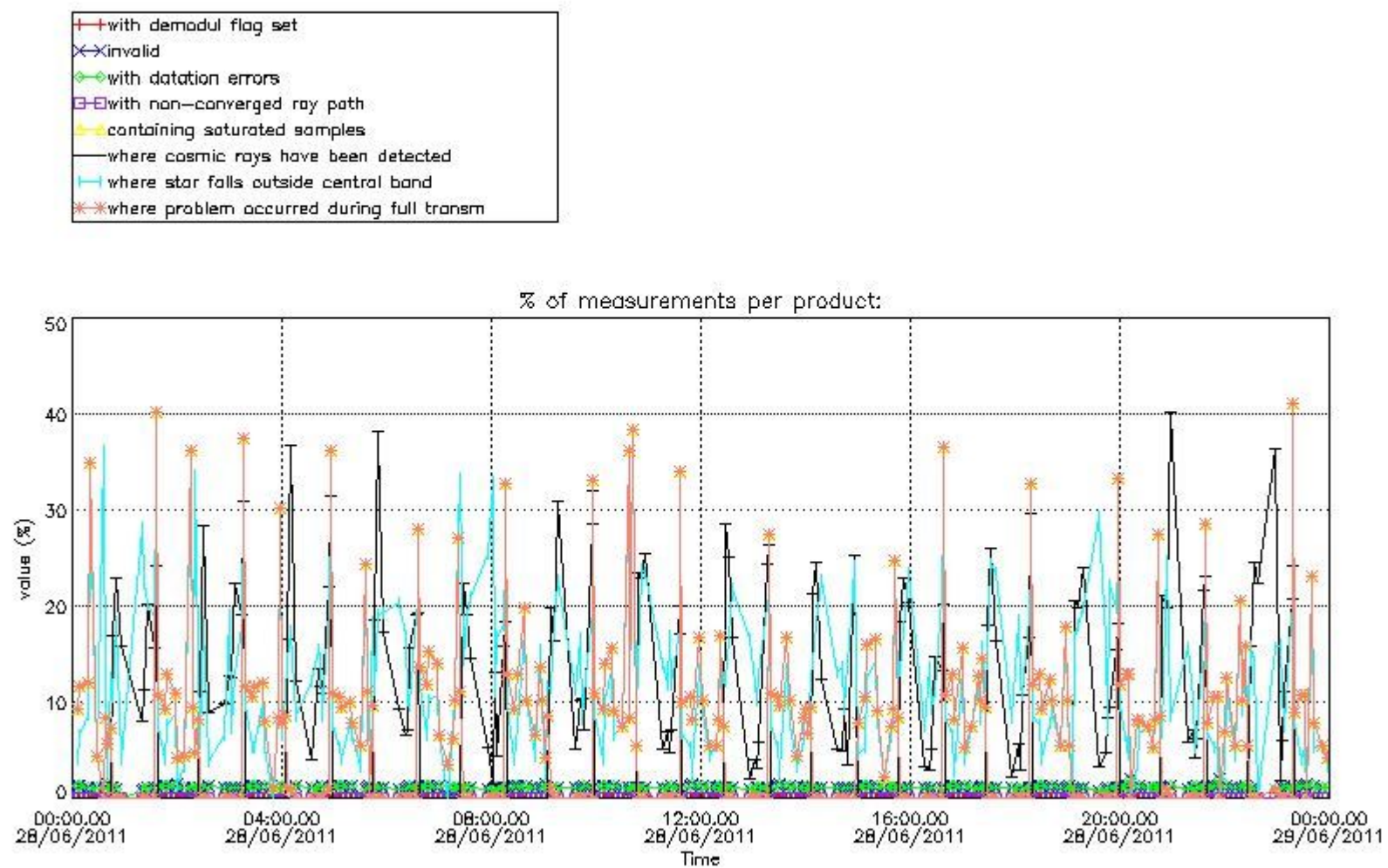
5. Demodulation flag and quality information monitoring

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.

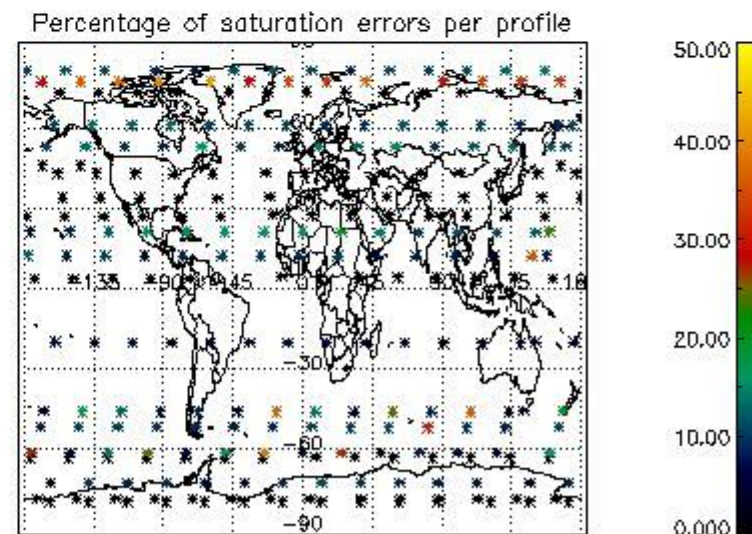
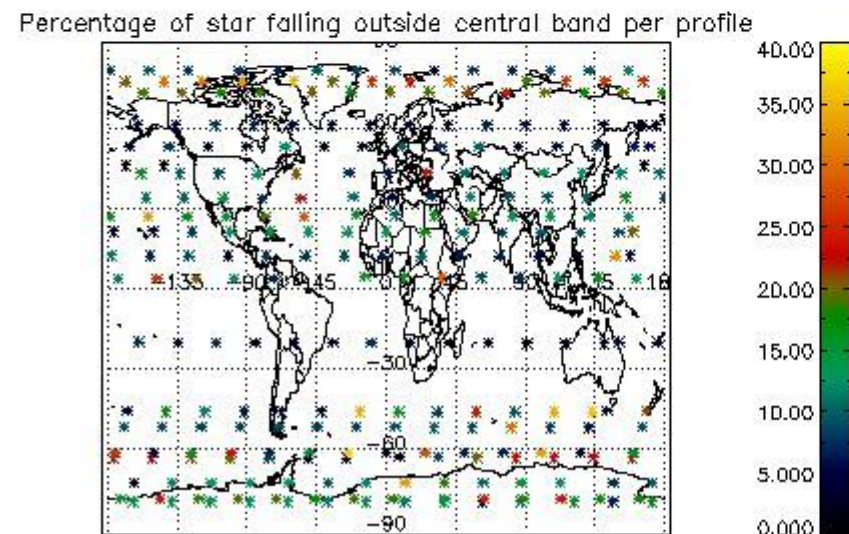
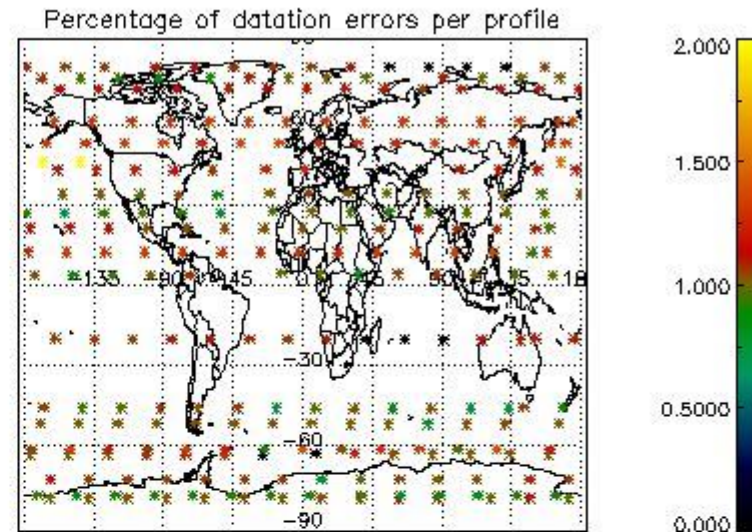
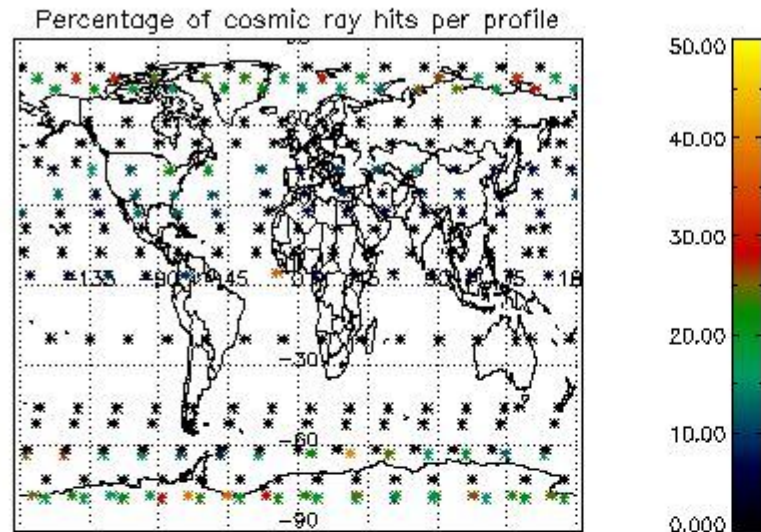
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	40.2930 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	58.2418 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



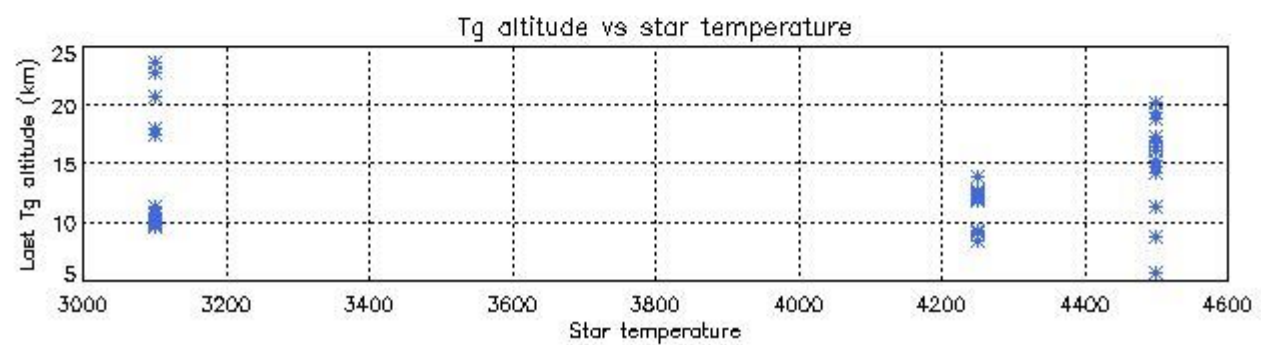
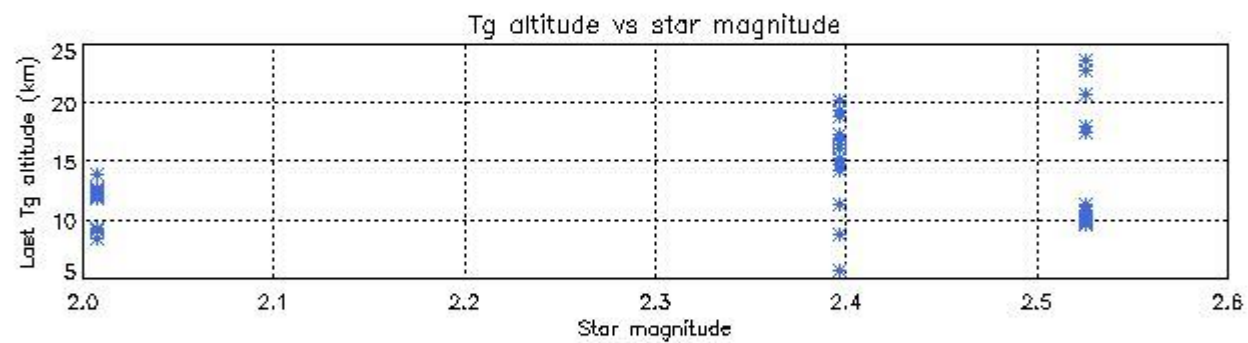
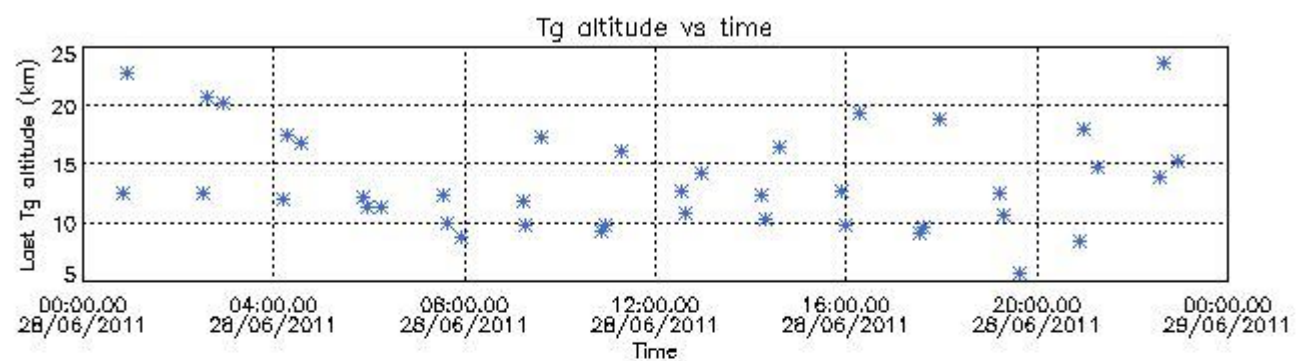
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.526	17.952	NaN
St. deviation:	4.1576	5.4473	NaN
Maximum:	23.680	27.967	NaN
Minimum:	5.7494	3.6774	NaN
Number of data:	41.000	159.00	NaN

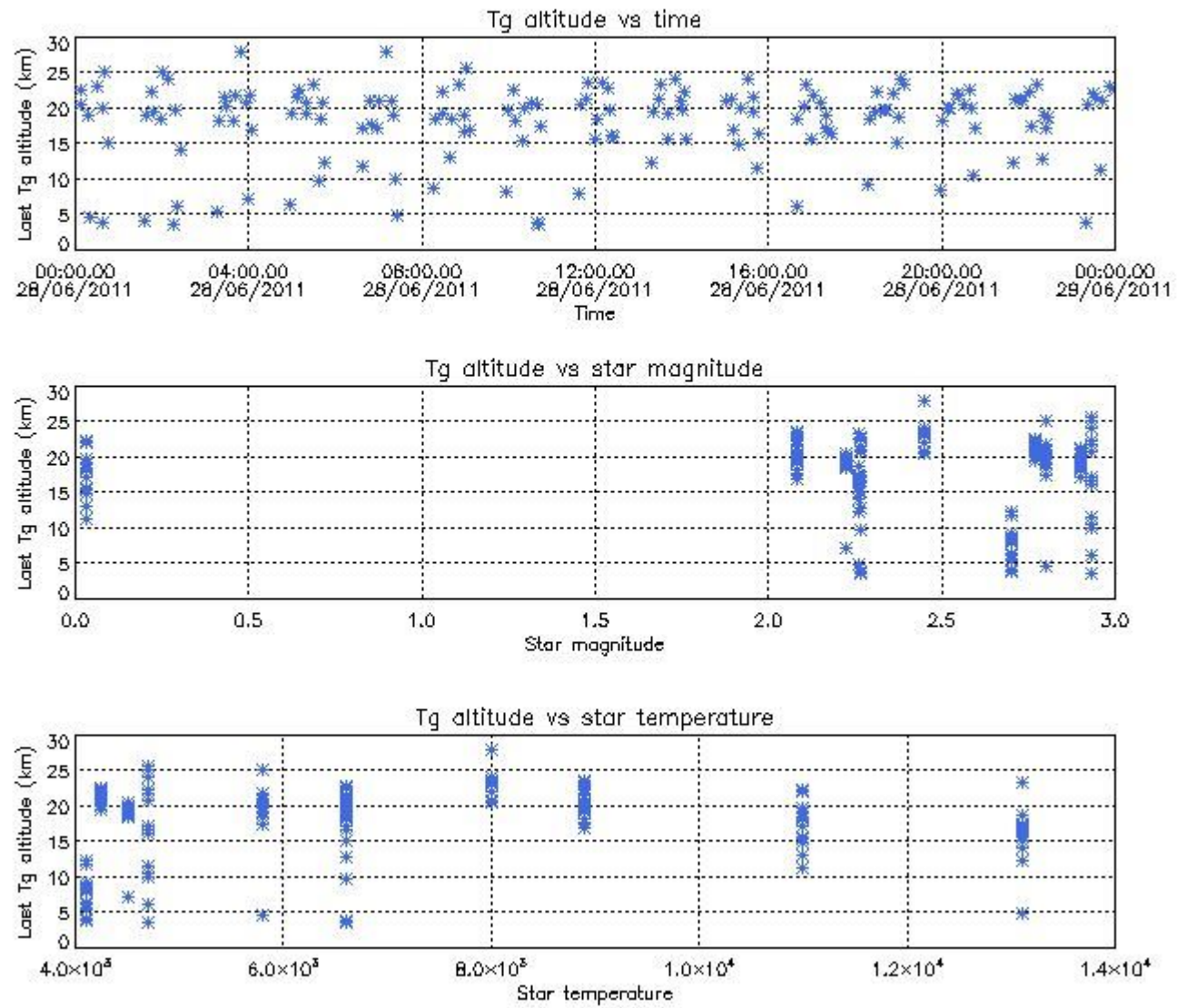
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

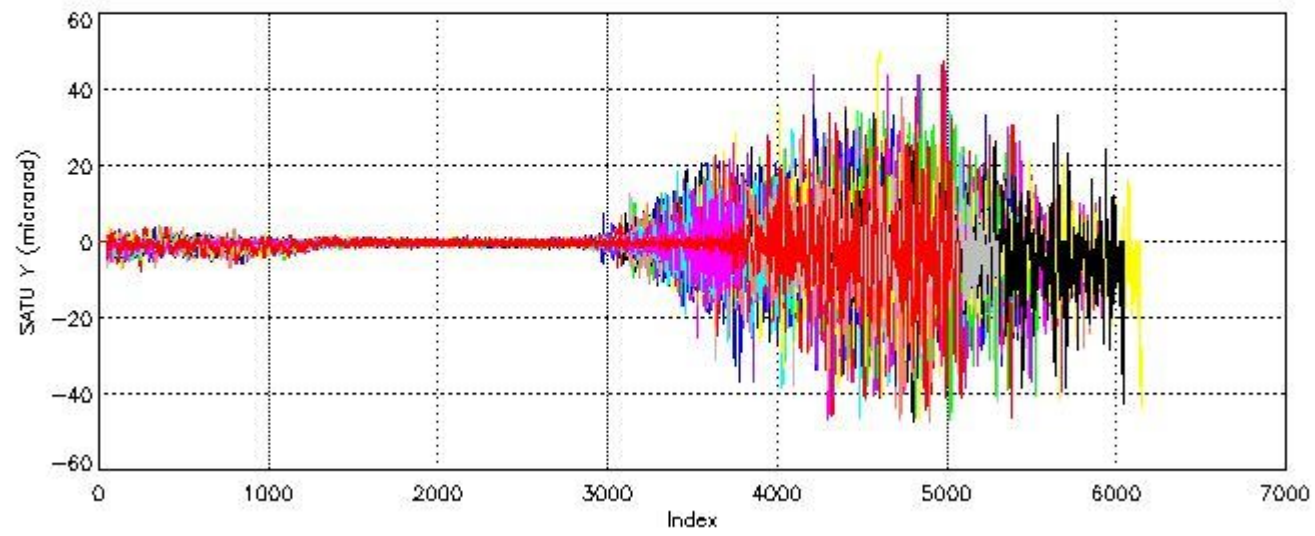
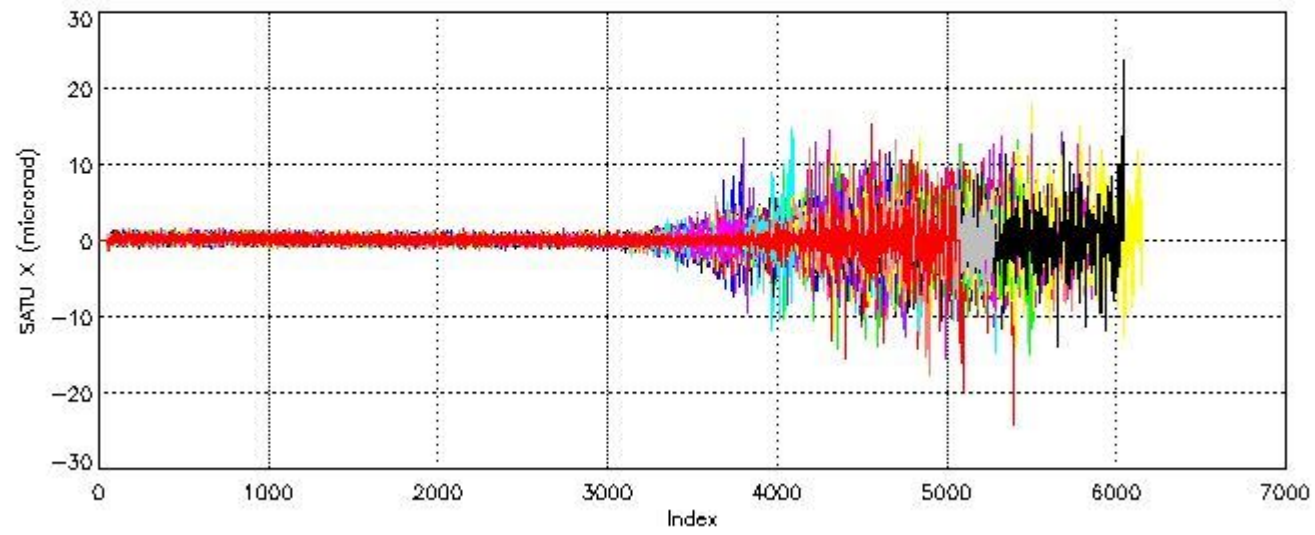


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.16281	-0.88626	0.23545	-1.1153
St. deviation:	0.29137	1.0828	0.65064	1.3929
Maximum:	1.6000	4.0000	8.7000	14.100
Minimum:	-1.3000	-7.8000	-15.400	-8.7000

Number of data:	43200.	43200.	1.6085E+05	1.6085E+05
90Percentile:	0.60000	0.20000	1.1000	0.50000

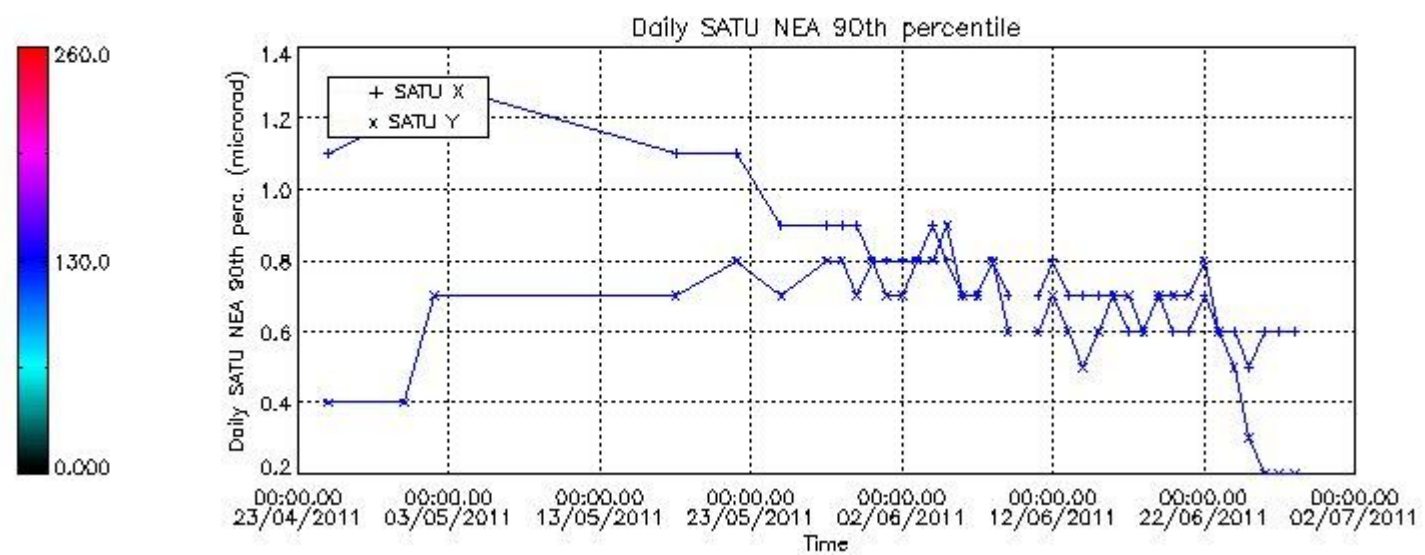
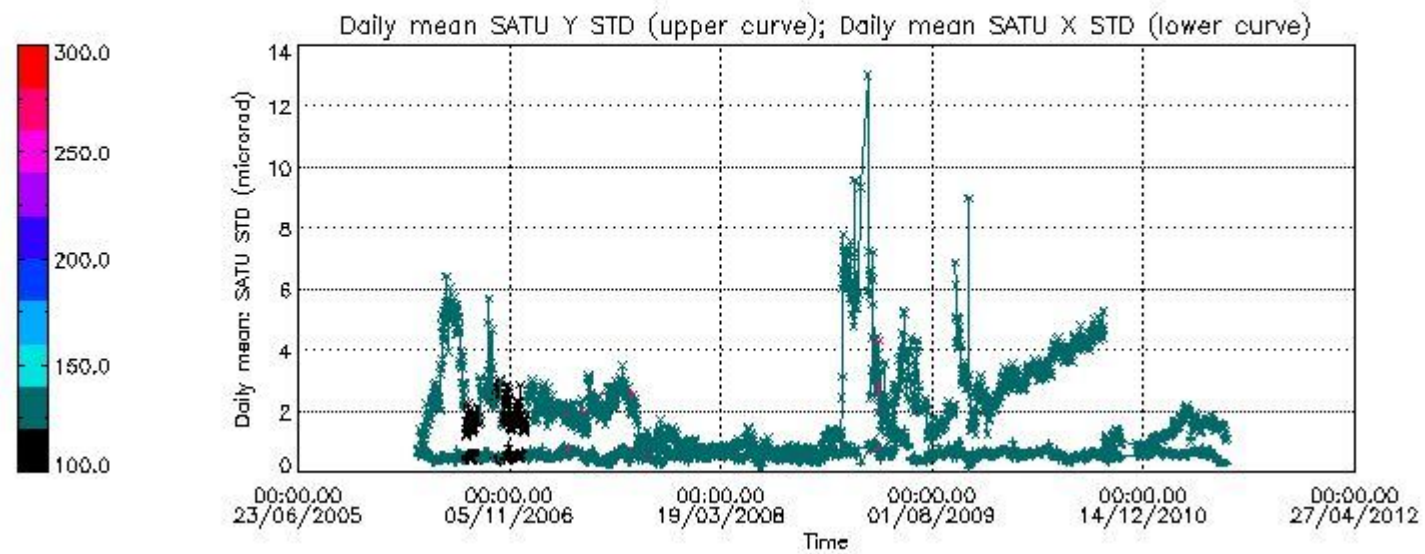
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

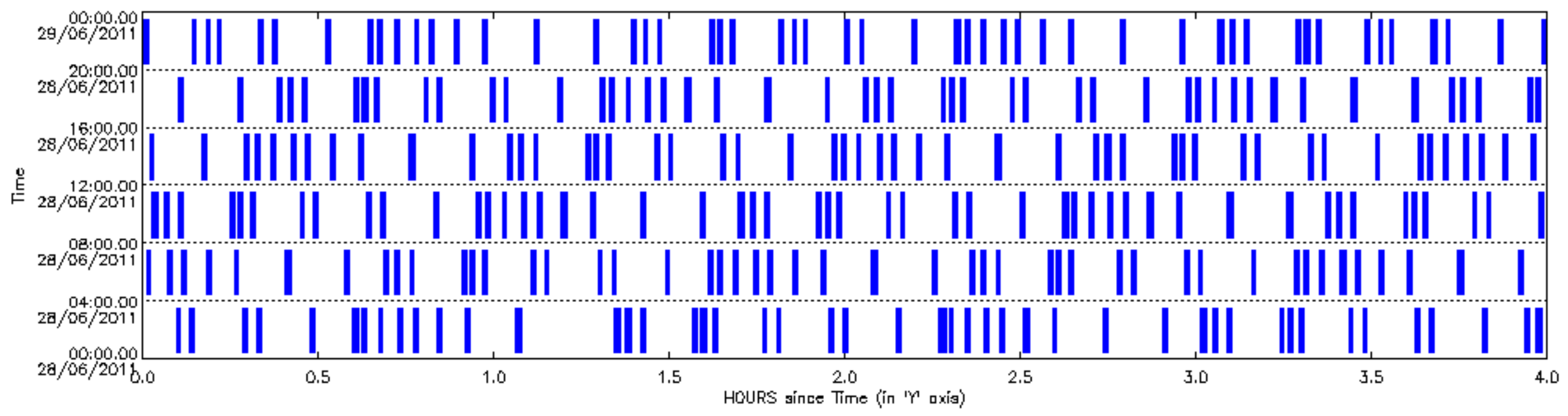
Lower curve: STD of SATU X axis

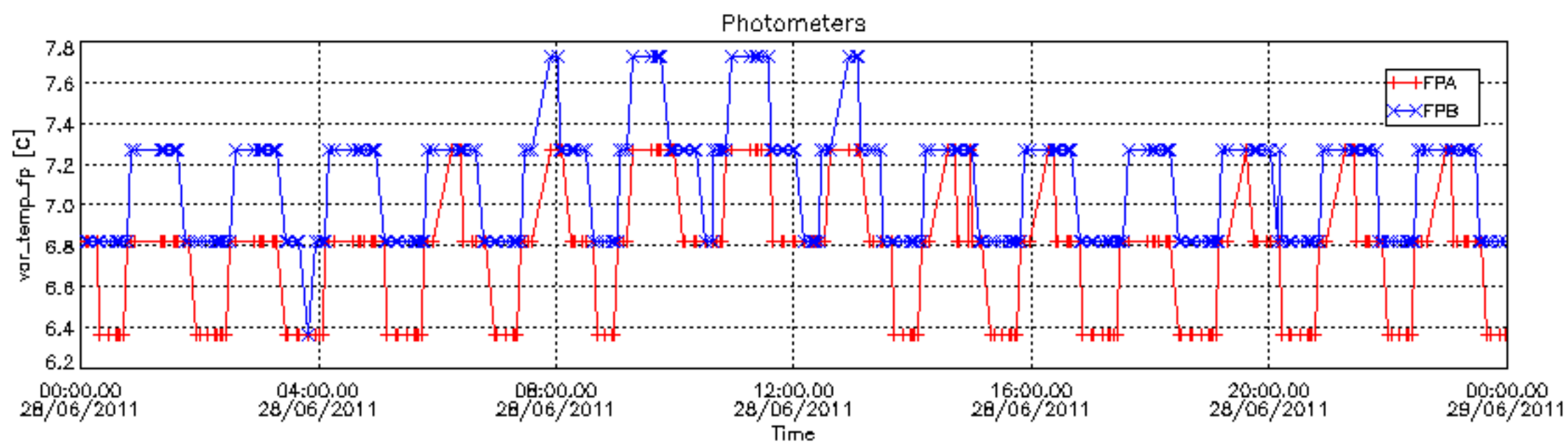
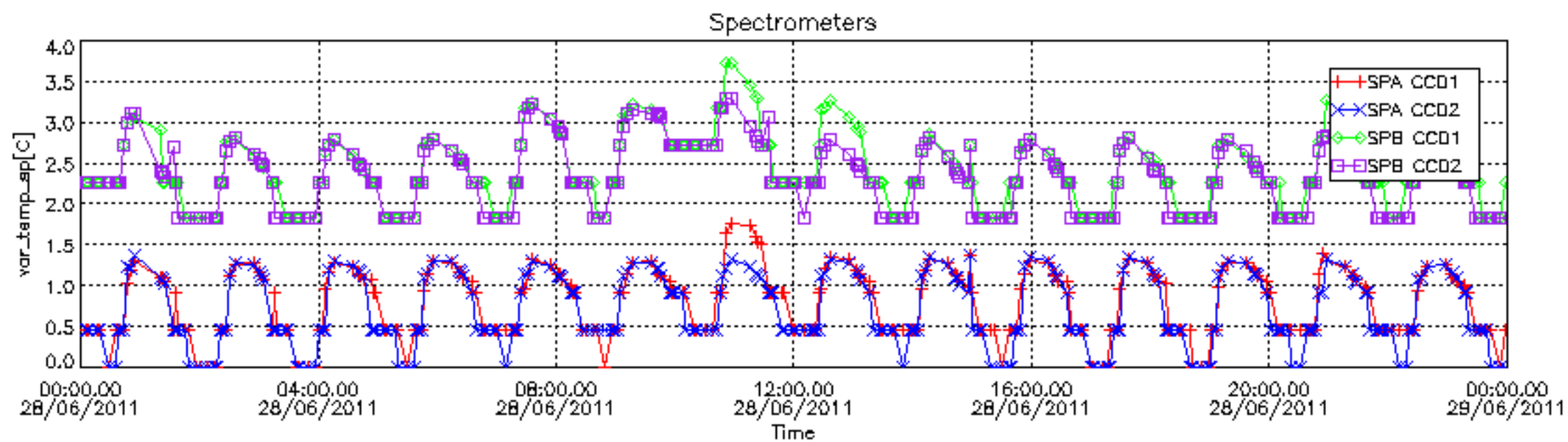


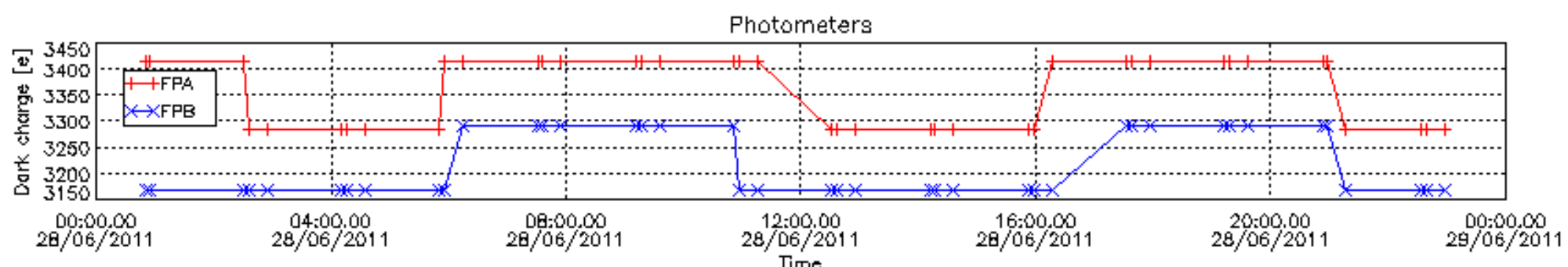
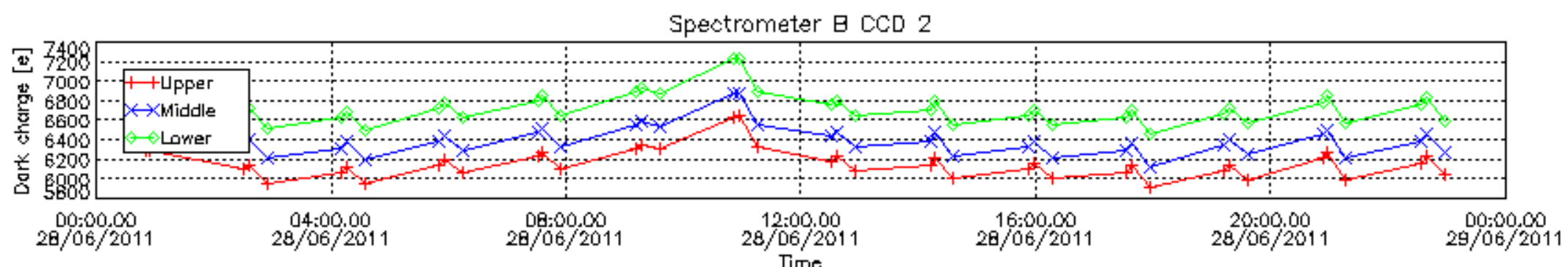
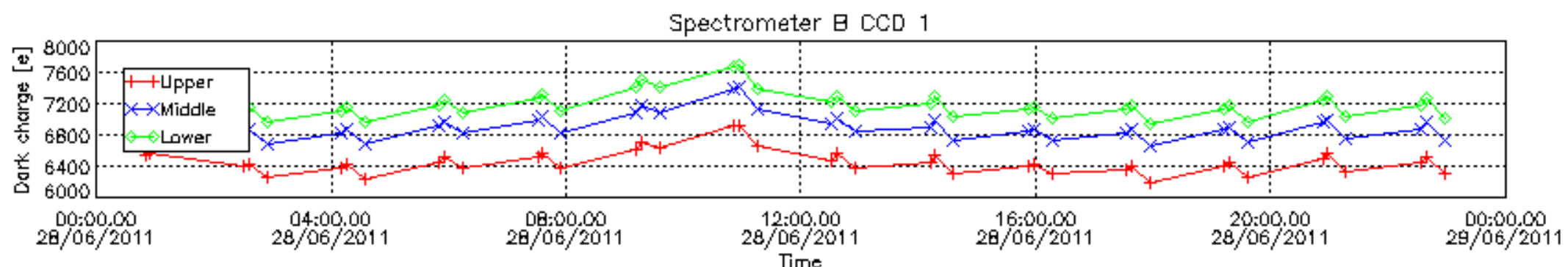
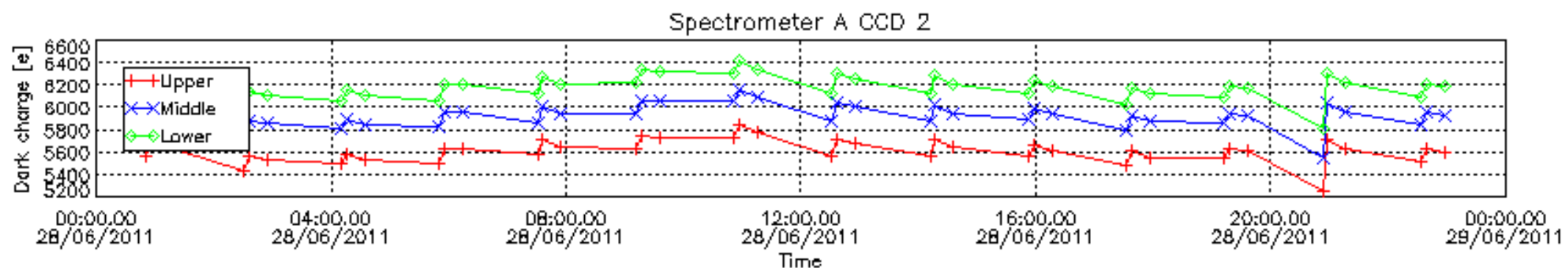
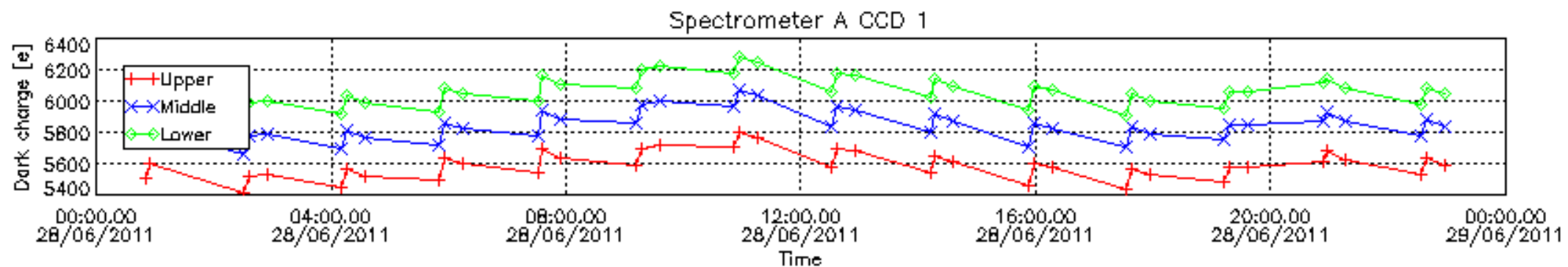
8. Auxiliary Data Files used for the production reported in section 2.4

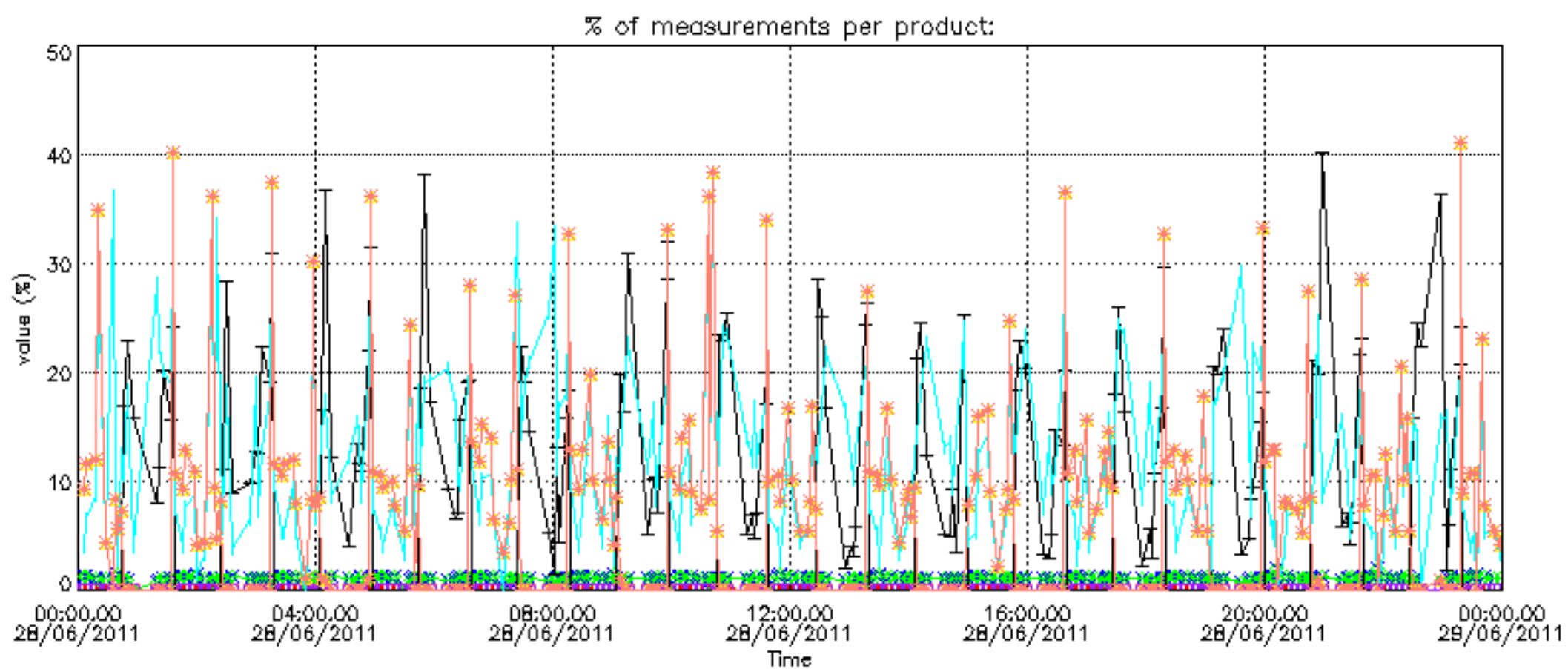
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	28-JUN-2011 00:05:41
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110622_075744_20110621_000000_20500101_000000	1	28-JUN-2011 00:05:41
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110628_073212_20110627_000000_20500101_000000	43	28-JUN-2011 03:56:17
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110622_075744_20110621_000000_20500101_000000	81	28-JUN-2011 07:16:44
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110628_073212_20110627_000000_20500101_000000	95	28-JUN-2011 08:26:50
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20110513_081743_20020301_000000_20500101_000000	1	28-JUN-2011 00:05:41
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	43	28-JUN-2011 03:56:17
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20110513_081743_20020301_000000_20500101_000000	81	28-JUN-2011 07:16:44
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	225	28-JUN-2011 19:56:37
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	28-JUN-2011 00:05:41
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	28-JUN-2011 00:05:41
ECMWF_FILE	AUX_ECF_AXNECM20110627_062115_20110627_210000_20110628_090000	1	28-JUN-2011 00:05:41
ECMWF_FILE	AUX_ECA_AXNECM20110628_060342_20110627_210000_20110628_090000	43	28-JUN-2011 03:56:17
ECMWF_FILE	AUX_ECA_AXNECM20110628_174814_20110628_030000_20110628_150000	69	28-JUN-2011 06:14:49
ECMWF_FILE	AUX_ECA_AXNECM20110628_060342_20110627_210000_20110628_090000	81	28-JUN-2011 07:16:44
ECMWF_FILE	AUX_ECF_AXNECM20110627_182935_20110628_030000_20110628_150000	95	28-JUN-2011 08:26:50
ECMWF_FILE	AUX_ECF_AXNECM20110628_060342_20110628_090000_20110628_210000	114	28-JUN-2011 10:07:04
ECMWF_FILE	AUX_ECF_AXNECM20110628_060343_20110628_150000_20110629_030000	187	28-JUN-2011 16:36:09
ECMWF_FILE	AUX_ECA_AXNECM20110628_182817_20110628_090000_20110628_210000	206	28-JUN-2011 18:16:23
ECMWF_FILE	AUX_ECF_AXNECM20110628_060343_20110628_150000_20110629_030000	240	28-JUN-2011 20:58:03
ECMWF_FILE	AUX_ECA_AXNECM20110629_062114_20110628_210000_20110629_090000	261	28-JUN-2011 22:57:19
OPTIONAL_ECMWF_FILE	MISSING	1	28-JUN-2011 00:05:41
OPTIONAL_ECMWF_FILE	AUX_ECA_AXNECM20110628_174814_20110628_030000_20110628_150000	43	28-JUN-2011 03:56:17
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110627_102933_20110626_190853_20110706_212240	1	28-JUN-2011 00:05:41
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110628_102342_20110627_183208_20110707_204556	43	28-JUN-2011 03:56:17
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110627_102933_20110626_190853_20110706_212240	81	28-JUN-2011 07:16:44
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110628_102342_20110627_183208_20110707_204556	114	28-JUN-2011 10:07:04
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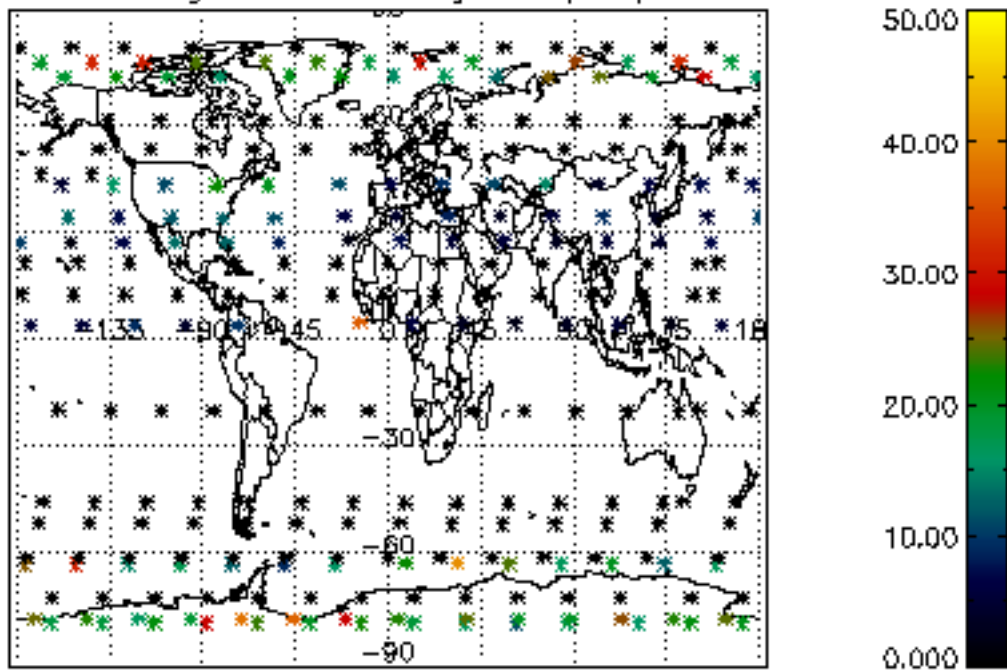




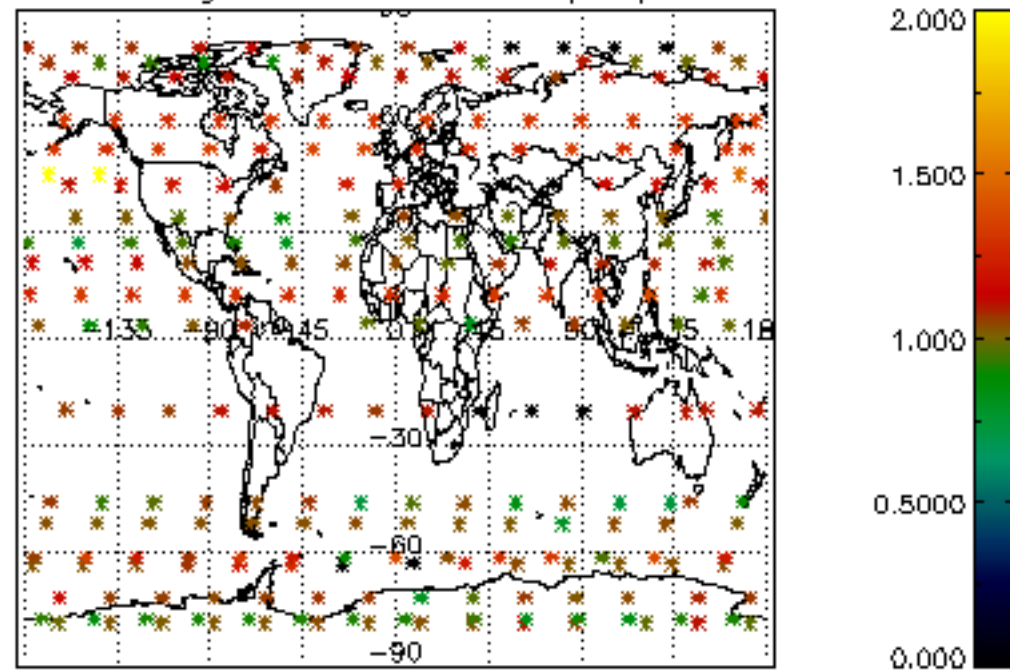




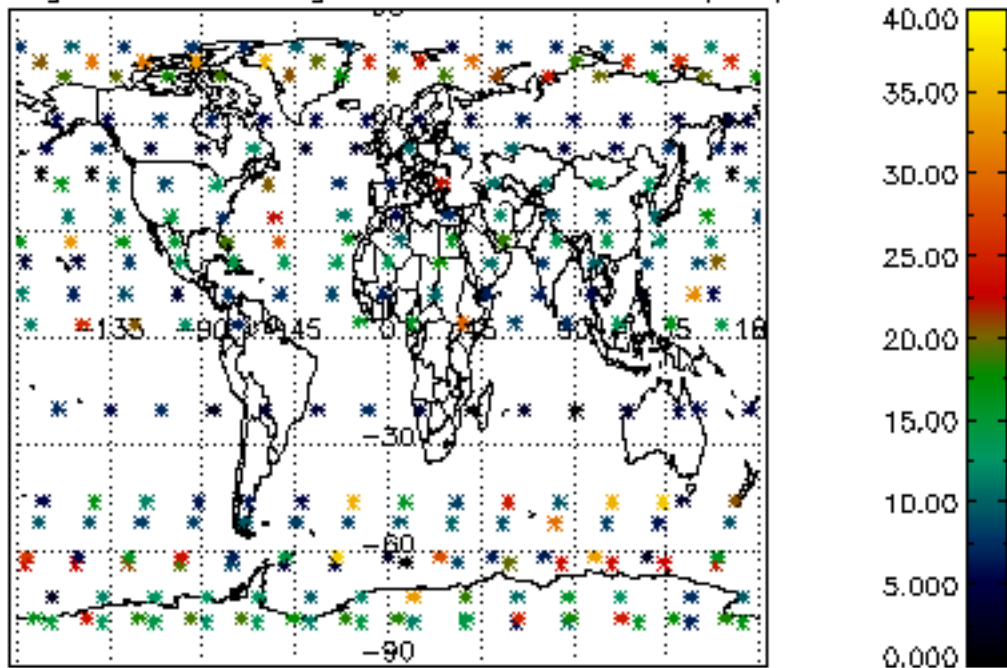
Percentage of cosmic ray hits per profile



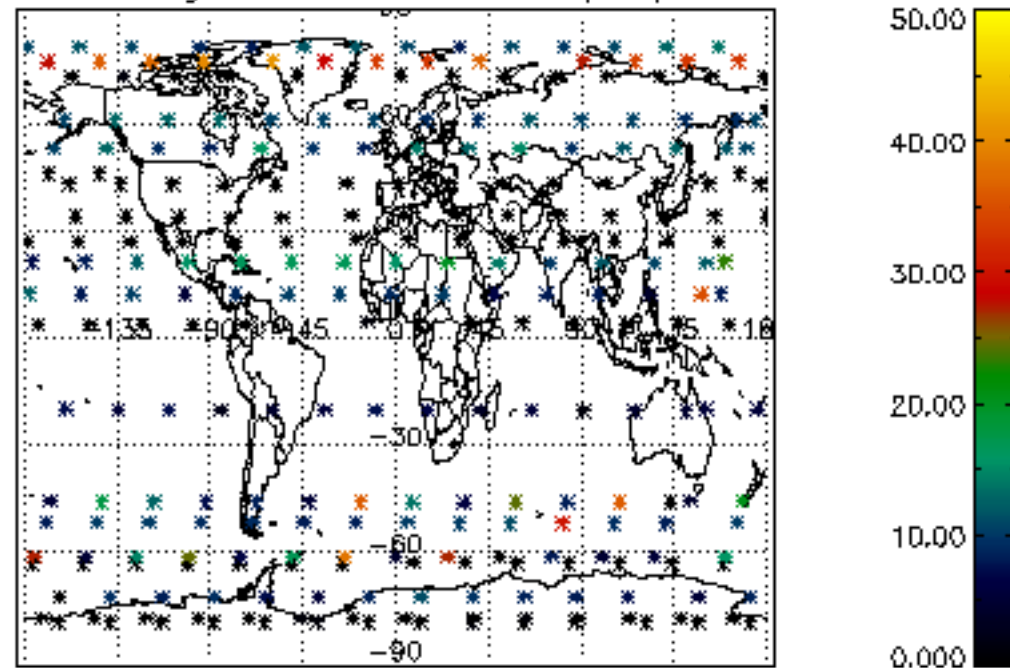
Percentage of datation errors per profile



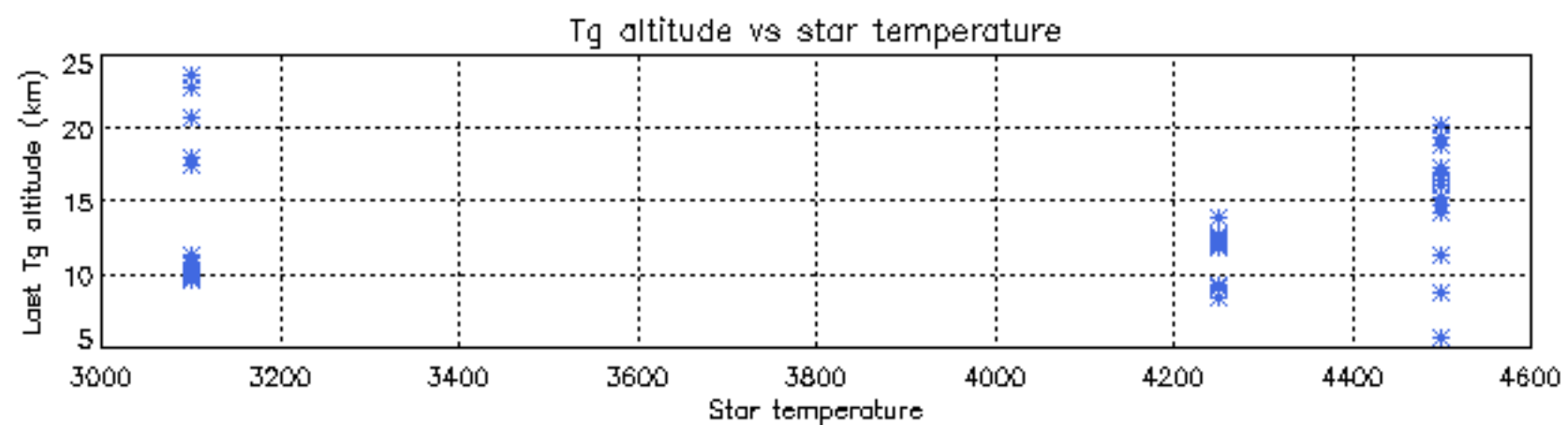
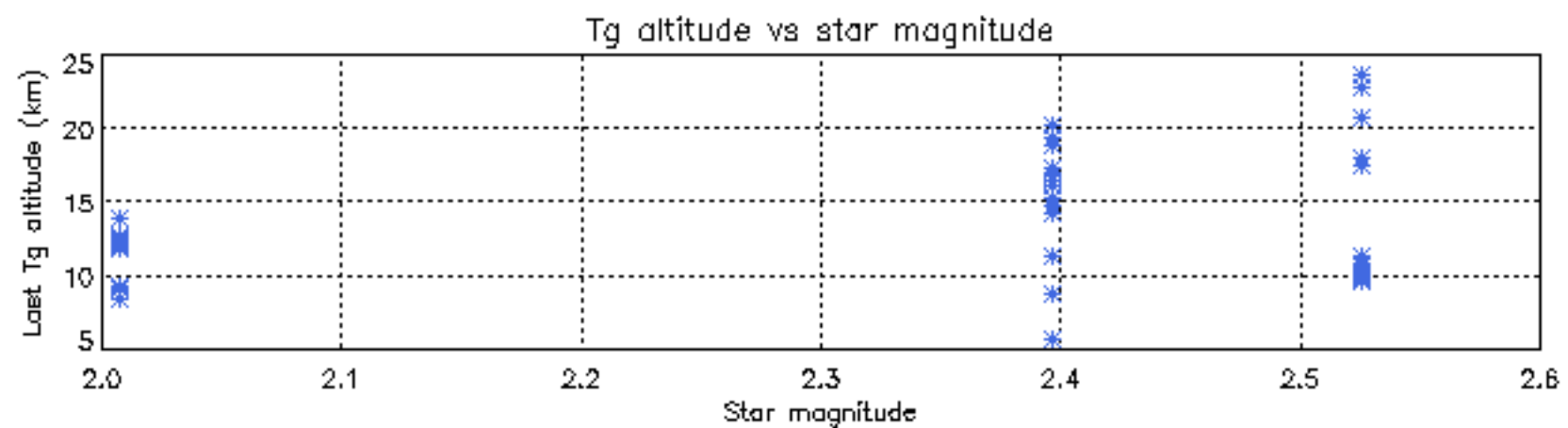
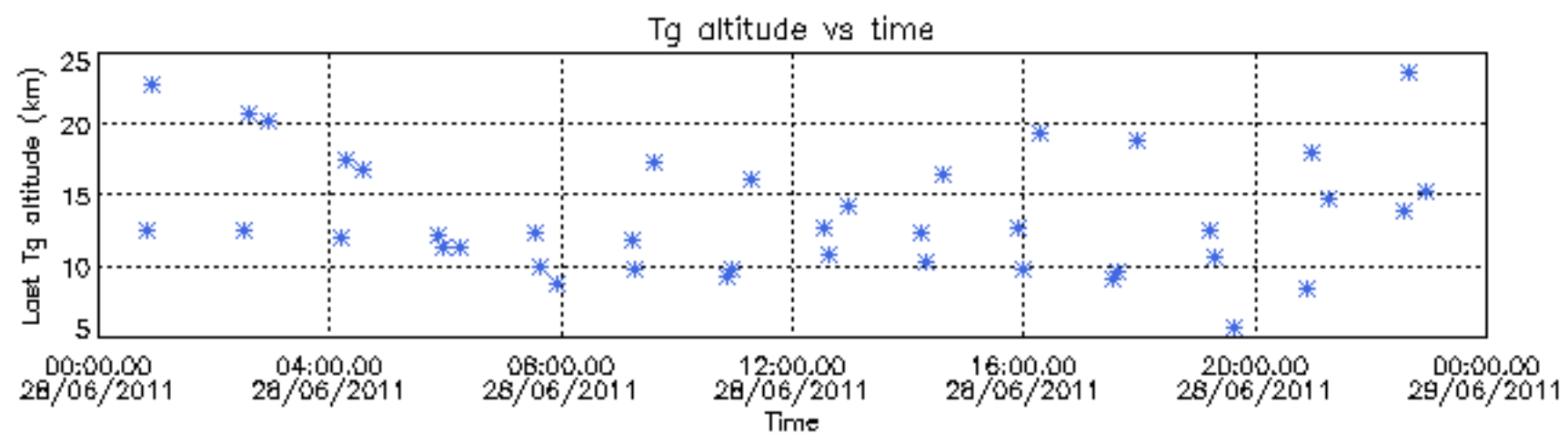
Percentage of star falling outside central band per profile



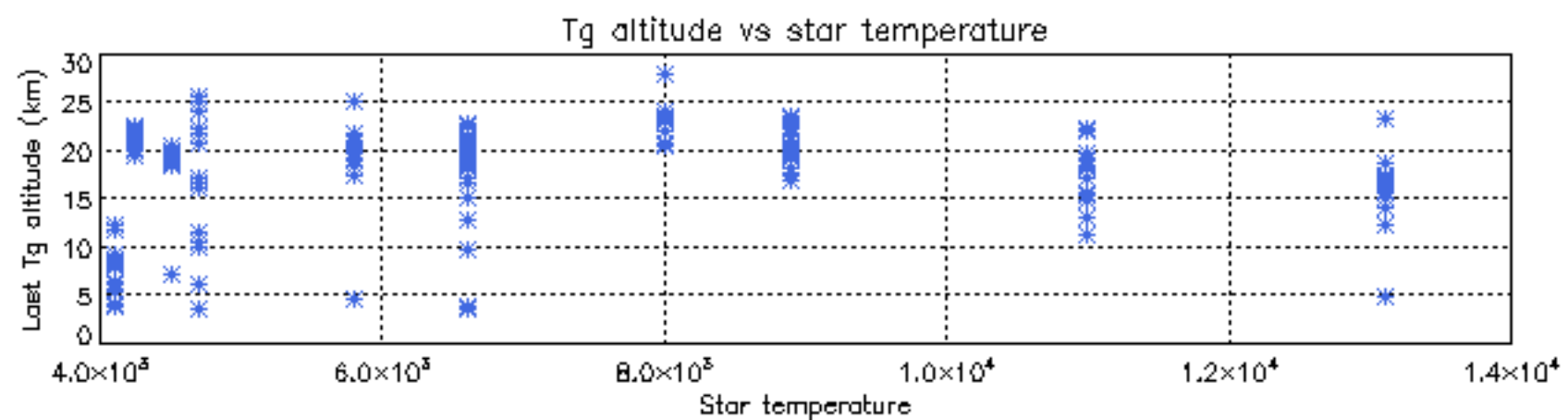
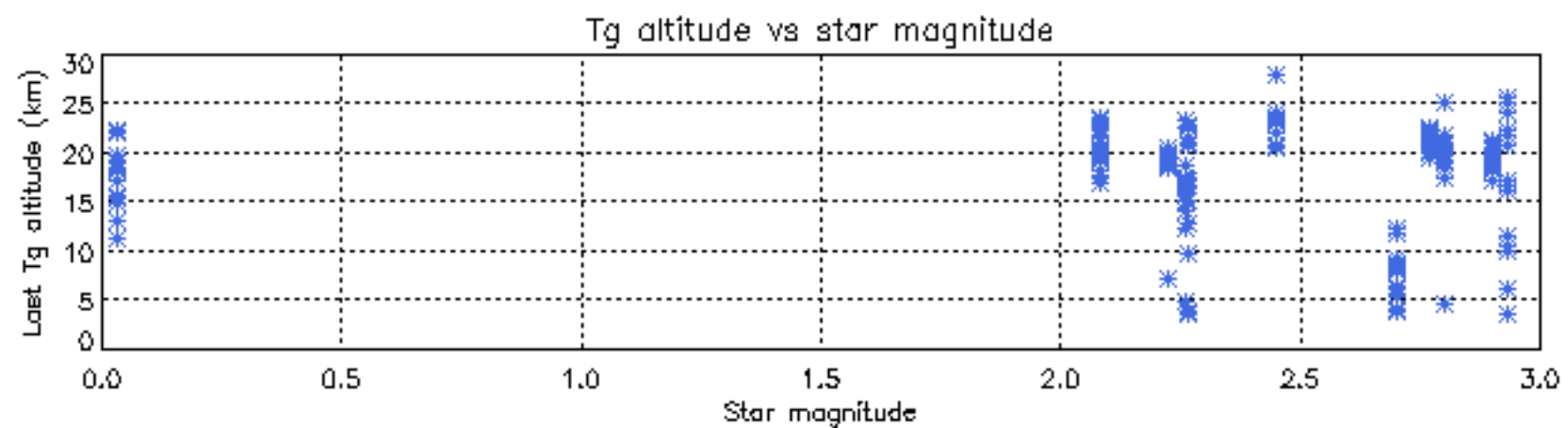
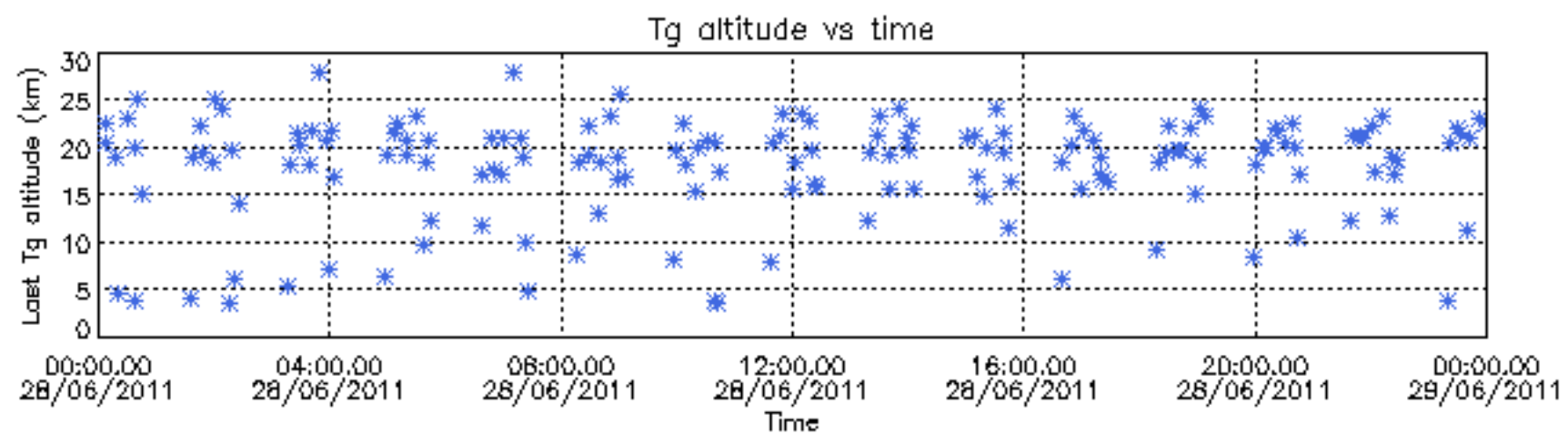
Percentage of saturation errors per profile

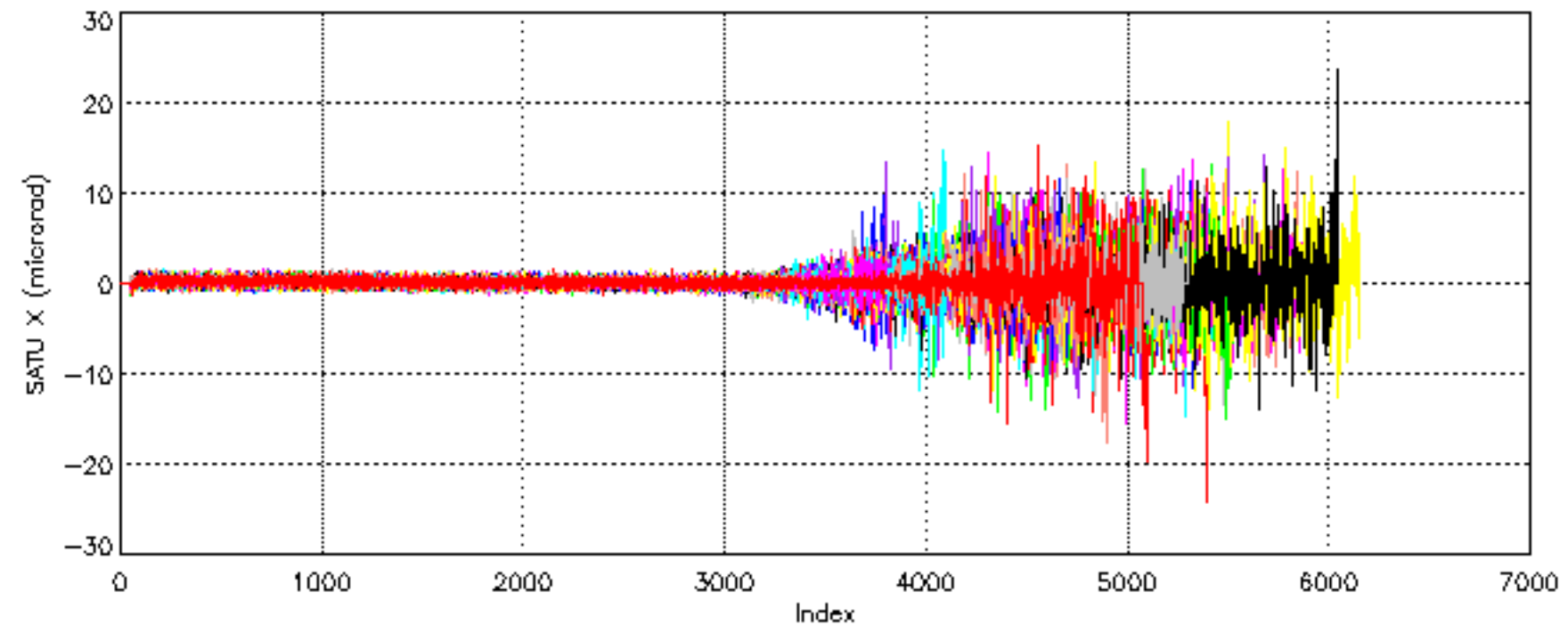


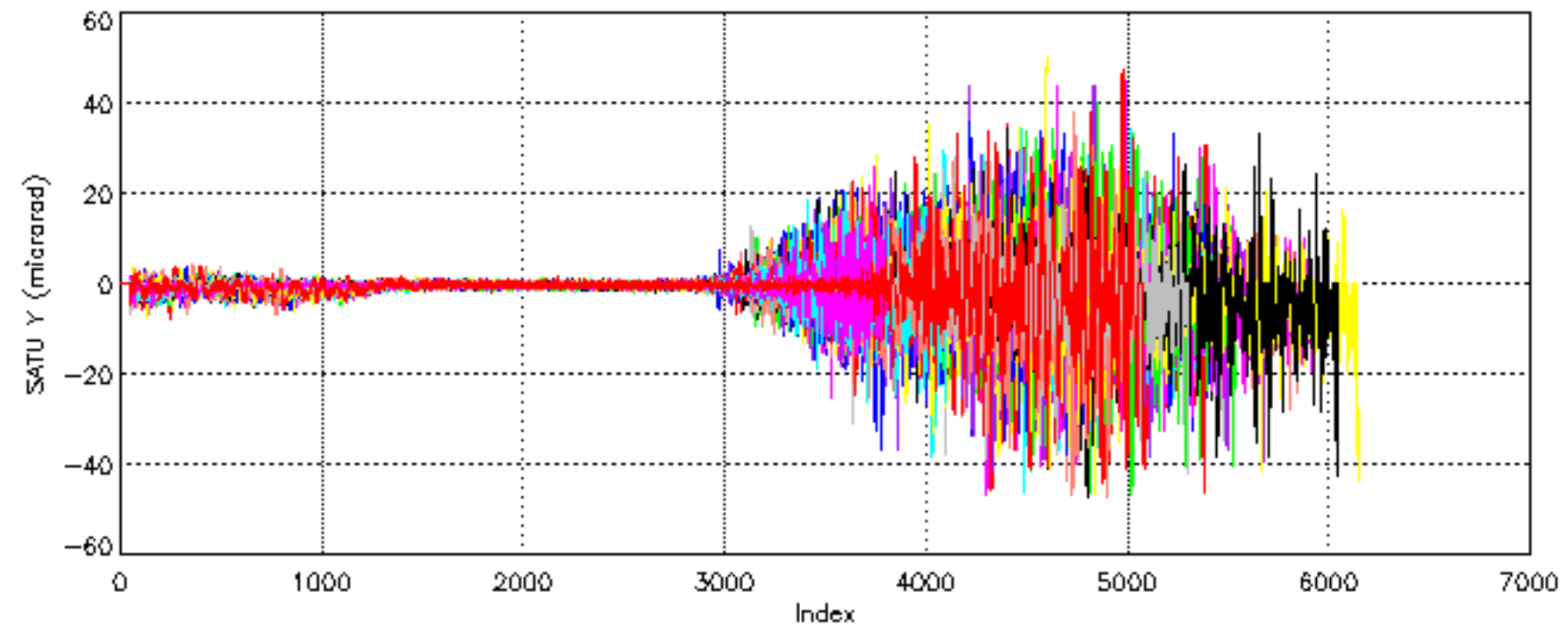
Tangent altitude at which the star is lost

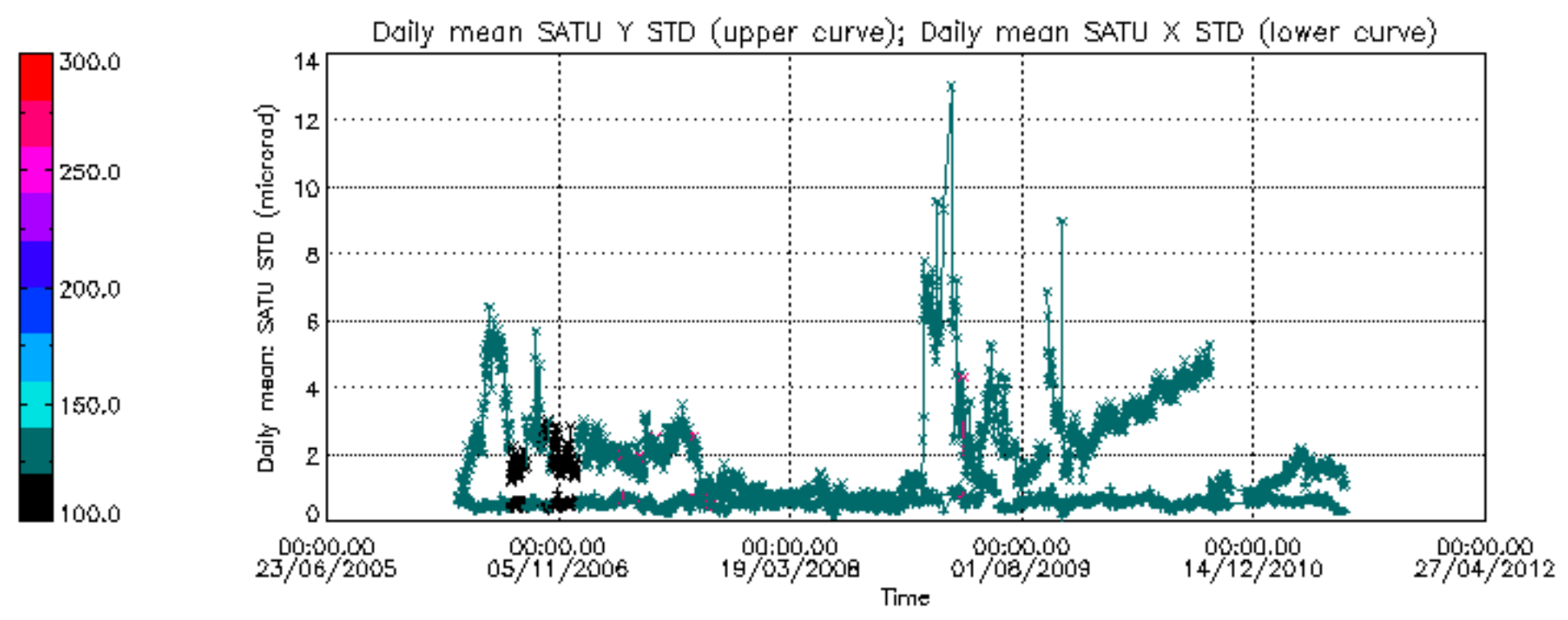


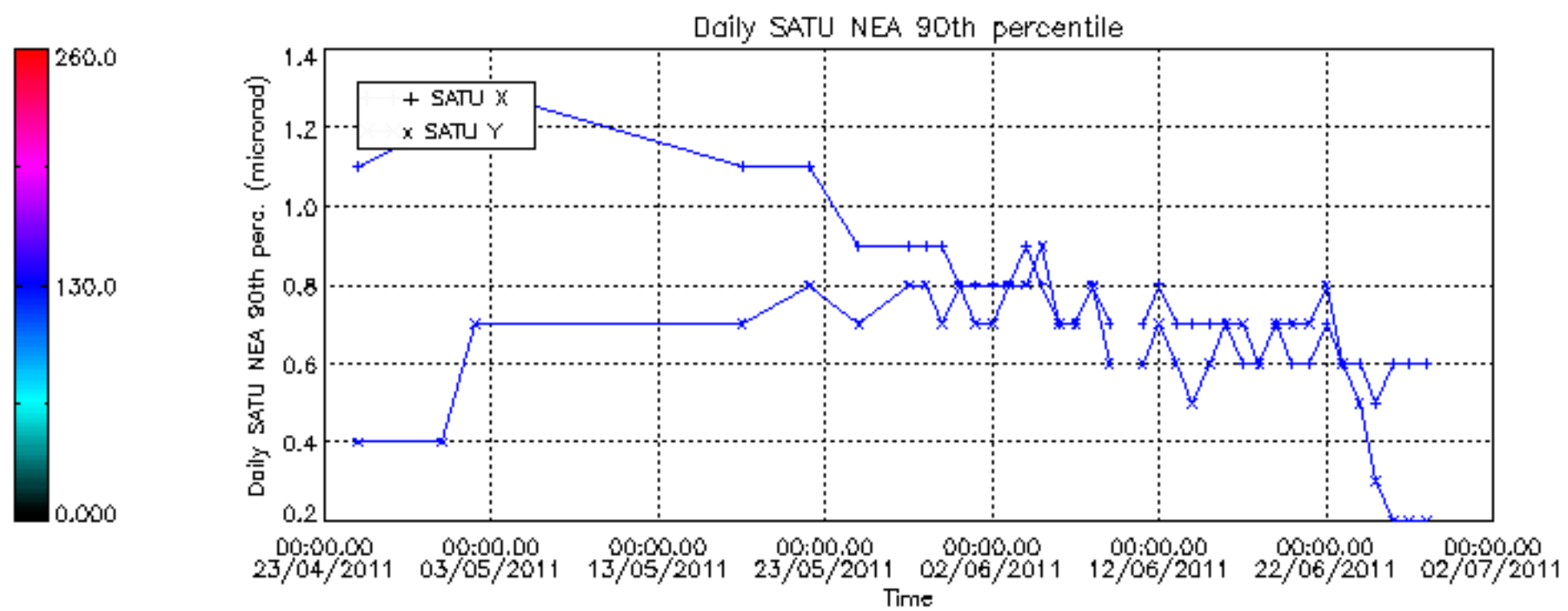
Tangent altitude at which the star is lost











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 10; 1138.9; 01-JUN-2011 01:21:37; Dark ; 46.5; 25; 35Lam Sco ; 1.62; 28000;occ; 93; 0;48379
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 17; 2001.9; 01-JUN-2011 01:36:00; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;48379
 18; 2304.5; 01-JUN-2011 01:41:02; Bright; 44.0; 127; 27Bet Her ; 2.78; 4700;occ; 88; 0;48379
 19; 2508.3; 01-JUN-2011 01:44:26; Bright; 44.0; 133; 40Zet Her ; 2.81; 6000;occ; 88; 0;48379
 20; 2985.2; 01-JUN-2011 01:52:23; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;48379
 21; 3602.0; 01-JUN-2011 02:02:40; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;48379
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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
5; 3791.5; 26-JUN-2011 10:10:40; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48743
6; 3888.1; 26-JUN-2011 10:12:17; Bright; 54.5; 68; 18Alp Cas ; 2.22; 4500;occ; 109; 0;48743
7; 4044.2; 26-JUN-2011 10:14:53; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;48743
8; 4247.3; 26-JUN-2011 10:18:16; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48743
9; 4397.8; 26-JUN-2011 10:20:46; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48743
10; 4638.5; 26-JUN-2011 10:24:47; Dark ; 53.5; 50; 13Alp Ari ; 2.01; 4250;occ; 107; 0;48743
11; 4932.1; 26-JUN-2011 10:29:41; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48743
12; 5437.7; 26-JUN-2011 10:38:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48743
13; 6051.4; 26-JUN-2011 10:48:20; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;48744
14; 6439.9; 26-JUN-2011 10:54:48; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48744
15; 6559.5; 26-JUN-2011 10:56:48; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48744
16; 6724.4; 26-JUN-2011 10:59:33; Dark ; 44.0; 45; Alp Pav ; 1.94; 26000;occ; 88; 0;48744
17; 7263.4; 26-JUN-2011 11:08:32; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;48744
18; 7346.7; 26-JUN-2011 11:09:55; Dark ; 57.0; 116; 19Del Sgr ; 2.70; 4100;occ; 114; 0;48744
19; 7473.1; 26-JUN-2011 11:12:02; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48744

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 2; 2113.0; 26-JUN-2011 11:22:55; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48744
 3; 2664.5; 26-JUN-2011 11:32:07; Bright; 49.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 99; 0;48744
 4; 2803.2; 26-JUN-2011 11:34:26; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48744
 5; 3790.5; 26-JUN-2011 11:50:53; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48744
 6; 3887.6; 26-JUN-2011 11:52:30; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48744
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 9; 4397.8; 26-JUN-2011 12:01:00; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48744
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 12; 5438.4; 26-JUN-2011 12:18:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48744
 13; 6052.3; 26-JUN-2011 12:28:35; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;48745
 14; 6441.2; 26-JUN-2011 12:35:04; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48745
 15; 6560.4; 26-JUN-2011 12:37:03; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48745
 16; 6725.0; 26-JUN-2011 12:39:47; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48745
 17; 7263.9; 26-JUN-2011 12:48:46; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;48745
 18; 7346.7; 26-JUN-2011 12:50:09; Dark ; 48.0; 116; 19Del Sgr ; 2.70; 4100;occ; 96; 0;48745
 19; 7473.2; 26-JUN-2011 12:52:16; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48745

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 2; 2113.0; 26-JUN-2011 13:03:09; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48745
 3; 2664.2; 26-JUN-2011 13:12:21; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;48745
 4; 2803.2; 26-JUN-2011 13:14:40; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48745
 5; 3790.4; 26-JUN-2011 13:31:07; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;48745
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 7; 4044.0; 26-JUN-2011 13:35:20; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48745
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 9; 4397.7; 26-JUN-2011 13:41:14; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48745
 10; 4639.2; 26-JUN-2011 13:45:16; Dark ; 52.0; 50; 13Alp Ari ; 2.01; 4250;occ; 104; 0;48745
 11; 4933.0; 26-JUN-2011 13:50:09; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48745
 12; 5439.2; 26-JUN-2011 13:58:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48745
 13; 6053.4; 26-JUN-2011 14:08:50; Dark ; 58.5; 84; Alp Phe ; 2.40; 4500;occ; 117; 0;48746
 14; 6442.0; 26-JUN-2011 14:15:18; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48746
 15; 6561.3; 26-JUN-2011 14:17:18; Dark ; 52.0; 31; Alp Gru ; 1.73; 15200;occ; 104; 0;48746
 16; 6725.6; 26-JUN-2011 14:20:02; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48746
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 18; 7346.9; 26-JUN-2011 14:30:23; Dark ; 49.0; 116; 19Del Sgr ; 2.70; 4100;occ; 98; 0;48746
 19; 7473.5; 26-JUN-2011 14:32:30; Bright; 47.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 95; 0;48746

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 2; 2112.7; 26-JUN-2011 14:43:23; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48746
 3; 2663.5; 26-JUN-2011 14:52:34; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48746
 4; 2802.6; 26-JUN-2011 14:54:53; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48746
 5; 3790.2; 26-JUN-2011 15:11:21; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;48746
 6; 3887.2; 26-JUN-2011 15:12:58; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48746
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 8; 4247.0; 26-JUN-2011 15:18:57; Bright; 58.0; 73; 57Gam1And ; 2.26; 13100;occ; 116; 0;48746
 9; 4398.1; 26-JUN-2011 15:21:28; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;48746
 10; 4639.5; 26-JUN-2011 15:25:30; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48746
 11; 4933.5; 26-JUN-2011 15:30:24; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48746
 12; 5440.0; 26-JUN-2011 15:38:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48746
 13; 6054.2; 26-JUN-2011 15:49:05; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;48747
 14; 6443.2; 26-JUN-2011 15:55:33; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;48747
 15; 6562.5; 26-JUN-2011 15:57:33; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48747
 16; 6725.9; 26-JUN-2011 16:00:16; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48747
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 3; 1459.6; 26-JUN-2011 16:12:44; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;48747
 4; 1971.7; 26-JUN-2011 16:21:16; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48747
 5; 2112.7; 26-JUN-2011 16:23:37; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48747
 6; 2662.8; 26-JUN-2011 16:32:47; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48747
 7; 2802.6; 26-JUN-2011 16:35:07; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;48747
 8; 3789.4; 26-JUN-2011 16:51:34; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48747
 9; 3886.5; 26-JUN-2011 16:53:11; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48747

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 11; 4246.9; 26-JUN-2011 16:59:11; Bright; 54.5; 73; 57Gam1And ; 2.26; 13100;occ; 109; 0;48747
 12; 4398.1; 26-JUN-2011 17:01:42; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;48747
 13; 4639.8; 26-JUN-2011 17:05:44; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48747
 14; 4933.7; 26-JUN-2011 17:10:38; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48747
 15; 5440.8; 26-JUN-2011 17:19:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48747
 16; 6055.1; 26-JUN-2011 17:29:19; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;48748
 17; 6444.2; 26-JUN-2011 17:35:49; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48748
 18; 6563.2; 26-JUN-2011 17:37:48; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48748
 19; 6726.6; 26-JUN-2011 17:40:31; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48748

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 3; 1459.9; 26-JUN-2011 17:52:58; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48748
 4; 1971.6; 26-JUN-2011 18:01:30; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;48748
 5; 2112.5; 26-JUN-2011 18:03:51; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48748
 6; 2662.2; 26-JUN-2011 18:13:01; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;48748
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 8; 3788.9; 26-JUN-2011 18:31:47; Bright; 60.5; 74; 11Bet Cas ; 2.27; 6600;occ; 121; 0;48748
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 12; 4398.2; 26-JUN-2011 18:41:57; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48748
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 18; 6564.1; 26-JUN-2011 19:18:03; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;48749
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 3; 1459.9; 26-JUN-2011 19:33:12; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;48749
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 5; 2112.4; 26-JUN-2011 19:44:05; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48749
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 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
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 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
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 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
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 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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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
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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
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9; 1971.2; 27-JUN-2011 02:22:39; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48753
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6;-1372.6; 27-JUN-2011 03:07:10; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48753
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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
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16; 1971.1; 27-JUN-2011 05:43:07; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48755
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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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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
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12; 2799.0; 27-JUN-2011 22:39:15; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48765
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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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19; 4645.0; 27-JUN-2011 23:10:01; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48765
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6; 1255.6; 27-JUN-2011 23:53:46; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48766
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9; 1970.6; 28-JUN-2011 00:05:41; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48766
10; 2110.7; 28-JUN-2011 00:08:01; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48766
11; 2652.3; 28-JUN-2011 00:17:02; Bright; 45.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 91; 0;48766
12; 2798.8; 28-JUN-2011 00:19:29; Bright; 53.0; 130; 23Bet Dra ; 2.80; 5800;occ; 106; 0;48766
13; 3346.5; 28-JUN-2011 00:28:37; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48766
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19; 4645.3; 28-JUN-2011 00:50:15; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48766
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 19; 7349.7; 27-JUN-2011 08:53:00; Dark ; 41.0; 116; 19Del Sgr ; 2.70; 4100;occ; 82; 0;48757
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 3; 2656.8; 27-JUN-2011 10:55:15; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;48758
 4; 2800.3; 27-JUN-2011 10:57:39; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48758
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 6; 3784.1; 27-JUN-2011 11:14:02; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;48758
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 8; 4043.5; 27-JUN-2011 11:18:22; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48758
 9; 4246.4; 27-JUN-2011 11:21:45; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48758
 10; 4398.7; 27-JUN-2011 11:24:17; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48758
 11; 4642.8; 27-JUN-2011 11:28:21; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48758
 12; 4937.7; 27-JUN-2011 11:33:16; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48758
 13; 5449.4; 27-JUN-2011 11:41:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48758
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 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
 18; 7267.8; 27-JUN-2011 12:12:06; Dark ; 43.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 87; 0;48759
 19; 7350.3; 27-JUN-2011 12:13:29; Dark ; 44.0; 116; 19Del Sgr ; 2.70; 4100;occ; 88; 0;48759
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9; 4246.4; 27-JUN-2011 13:01:59; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48759
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11; 4643.2; 27-JUN-2011 13:08:35; Dark ; 58.5; 50; 13Alp Ari ; 2.01; 4250;occ; 117; 0;48759
12; 4938.2; 27-JUN-2011 13:13:30; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48759
13; 5450.2; 27-JUN-2011 13:22:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48759
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17; 6732.7; 27-JUN-2011 13:43:25; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48760
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4; 2800.2; 27-JUN-2011 14:18:06; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;48760
5; 3350.6; 27-JUN-2011 14:27:17; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48760
6; 3783.2; 27-JUN-2011 14:34:29; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48760
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12; 4938.6; 27-JUN-2011 14:53:45; Dark ; 49.5; 94; 92Alp Cet ; 2.53; 3100;occ; 99; 0;48760
13; 5451.0; 27-JUN-2011 15:02:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48760
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16; 6575.4; 27-JUN-2011 15:21:02; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;48761
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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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12; 4643.8; 27-JUN-2011 16:29:04; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48761
13; 4938.9; 27-JUN-2011 16:33:59; Dark ; 50.5; 94; 92Alp Cet ; 2.53; 3100;occ; 101; 0;48761
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17; 6576.2; 27-JUN-2011 17:01:16; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48762
18; 6733.7; 27-JUN-2011 17:03:54; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48762
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3; 1462.8; 27-JUN-2011 17:16:17; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48762
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6; 2654.6; 27-JUN-2011 17:36:09; Bright; 47.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 94; 0;48762
7; 2799.7; 27-JUN-2011 17:38:34; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48762
8; 3349.0; 27-JUN-2011 17:47:43; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48762
9; 3782.2; 27-JUN-2011 17:54:56; Bright; 57.5; 74; 11Bet Cas ; 2.27; 6600;occ; 115; 0;48762
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12; 4246.5; 27-JUN-2011 18:02:41; Bright; 47.0; 73; 57Gam1And ; 2.26; 13100;occ; 94; 0;48762
13; 4399.1; 27-JUN-2011 18:05:13; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;48762
14; 4644.2; 27-JUN-2011 18:09:18; Dark ; 60.0; 50; 13Alp Ari ; 2.01; 4250;occ; 120; 0;48762
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19; 6577.1; 27-JUN-2011 18:41:31; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48763
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10; 3880.2; 27-JUN-2011 19:36:48; Bright; 56.0; 68; 18Alp Cas ; 2.22; 4500;occ; 112; 0;48763
11; 4043.6; 27-JUN-2011 19:39:32; Bright; 43.0; 160; 23Gam Per ; 2.93; 4700;occ; 86; 0;48763
12; 4246.1; 27-JUN-2011 19:42:54; Bright; 45.0; 73; 57Gam1And ; 2.26; 13100;occ; 90; 0;48763
13; 4399.3; 27-JUN-2011 19:45:28; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48763
14; 4644.4; 27-JUN-2011 19:49:33; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48763
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16; 5453.4; 27-JUN-2011 20:03:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48763
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19; 6577.8; 27-JUN-2011 20:21:46; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48764
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13; 3779.8; 28-JUN-2011 02:16:04; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48767
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24; 6736.7; 28-JUN-2011 03:05:21; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48768
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27; 7477.9; 28-JUN-2011 03:17:42; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48768
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29; 8124.7; 28-JUN-2011 03:28:29; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48768
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31; 8812.5; 28-JUN-2011 03:39:57; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48768
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15; 6469.2; 28-JUN-2011 13:02:17; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;48774
16; 6587.0; 28-JUN-2011 13:04:15; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48774
17; 6739.7; 28-JUN-2011 13:06:48; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48774
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19; 7354.0; 28-JUN-2011 13:17:02; Dark ; 45.5; 116; 19Del Sgr ; 2.70; 4100;occ; 91; 0;48774
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2; 2110.6; 28-JUN-2011 13:29:53; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;48774
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
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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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12; 4943.8; 28-JUN-2011 14:17:06; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;48774
13; 5462.4; 28-JUN-2011 14:25:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48774
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17; 6740.3; 28-JUN-2011 14:47:02; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48775
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4; 2110.2; 28-JUN-2011 15:10:06; Bright; 40.5; 59; 55Alp Oph ; 2.08; 8900;occ; 81; 0;48775
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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 11; 4245.6; 28-JUN-2011 15:45:42; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48775
 12; 4400.1; 28-JUN-2011 15:48:16; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48775
 13; 4648.2; 28-JUN-2011 15:52:24; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48775
 14; 4944.6; 28-JUN-2011 15:57:20; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48775
 15; 5463.3; 28-JUN-2011 16:05:59; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48775
 16; 6082.7; 28-JUN-2011 16:16:19; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;48776
 17; 6471.5; 28-JUN-2011 16:22:47; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48776
 18; 6589.0; 28-JUN-2011 16:24:45; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48776
 19; 6740.9; 28-JUN-2011 16:27:17; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48776

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 3; 1465.4; 28-JUN-2011 16:39:35; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48776
 4; 1970.4; 28-JUN-2011 16:48:00; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48776
 5; 2110.1; 28-JUN-2011 16:50:20; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48776
 6; 2647.3; 28-JUN-2011 16:59:17; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48776
 7; 2797.0; 28-JUN-2011 17:01:47; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48776
 8; 3339.4; 28-JUN-2011 17:10:49; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48776
 9; 3775.3; 28-JUN-2011 17:18:05; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;48776
 10; 3874.9; 28-JUN-2011 17:19:45; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;48776
 11; 4043.1; 28-JUN-2011 17:22:33; Bright; 41.0; 160; 23Gam Per ; 2.93; 4700;occ; 82; 0;48776
 12; 4245.7; 28-JUN-2011 17:25:56; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48776
 13; 4400.0; 28-JUN-2011 17:28:30; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48776
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 15; 4944.8; 28-JUN-2011 17:37:35; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48776
 16; 5464.1; 28-JUN-2011 17:46:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48776
 17; 6083.7; 28-JUN-2011 17:56:34; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;48777
 18; 6472.5; 28-JUN-2011 18:03:02; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;48777
 19; 6589.9; 28-JUN-2011 18:05:00; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48777
 20; 6741.2; 28-JUN-2011 18:07:31; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48777

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 4; 1970.3; 28-JUN-2011 18:28:14; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;48777
 5; 2110.0; 28-JUN-2011 18:30:34; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48777
 6; 2646.8; 28-JUN-2011 18:39:31; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;48777
 7; 2796.6; 28-JUN-2011 18:42:01; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48777
 8; 3338.8; 28-JUN-2011 18:51:03; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48777
 9; 3774.8; 28-JUN-2011 18:58:19; Bright; 53.5; 74; 11Bet Cas ; 2.27; 6600;occ; 107; 0;48777
 10; 3874.3; 28-JUN-2011 18:59:58; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48777
 11; 4042.8; 28-JUN-2011 19:02:47; Bright; 37.0; 160; 23Gam Per ; 2.93; 4700;occ; 74; 0;48777
 12; 4245.4; 28-JUN-2011 19:06:09; Bright; 43.0; 73; 57Gam1And ; 2.26; 13100;occ; 86; 0;48777
 13; 4400.1; 28-JUN-2011 19:08:44; Dark ; 51.0; 173; 4Bet Tri ; 3.00; 8900;occ; 102; 0;48777
 14; 4648.4; 28-JUN-2011 19:12:52; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48777
 15; 4945.0; 28-JUN-2011 19:17:49; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48777
 16; 5464.9; 28-JUN-2011 19:26:29; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48777
 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
 20; 6741.5; 28-JUN-2011 19:47:46; Dark ; 47.5; 45; Alp Pav ; 1.94; 26000;occ; 95; 0;48778

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 6; 1259.5; 29-JUN-2011 00:57:19; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48781
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 9; 1970.1; 29-JUN-2011 01:09:10; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48781
 10; 2109.6; 29-JUN-2011 01:11:30; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48781
 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
 14; 3336.0; 29-JUN-2011 01:31:56; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;48781
 15; 3772.7; 29-JUN-2011 01:39:13; Bright; 70.0; 74; 11Bet Cas ; 2.27; 6600;occ; 140; 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
18; 4245.1; 29-JUN-2011 01:47:05; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48781
19; 4400.2; 29-JUN-2011 01:49:40; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48781
20; 4649.8; 29-JUN-2011 01:53:50; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48781
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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 3; 463.1; 29-JUN-2011 02:24:17; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;48782
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 5; 729.6; 29-JUN-2011 02:28:43; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48782
 6; 1300.2; 29-JUN-2011 02:38:14; Dark ; 48.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 96; 0;48782
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 9; 2109.6; 29-JUN-2011 02:51:43; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48782
10; 2226.4; 29-JUN-2011 02:53:40; Bright; 39.0; 168; 17Zet Aql ; 2.99; 11000;occ; 78; 0;48782
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12; 2795.8; 29-JUN-2011 03:03:10; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;48782
13; 3335.3; 29-JUN-2011 03:12:09; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;48782
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 3;-1971.4; 29-JUN-2011 03:23:56; Bright; 43.5; 160; 23Gam Per ; 2.93; 4700;occ; 87; 0;48782
 4;-1769.0; 29-JUN-2011 03:27:19; Bright; 55.5; 73; 57Gam1And ; 2.26; 13100;occ; 111; 0;48782
 5;-1613.4; 29-JUN-2011 03:29:54; Dark ; 51.0; 173; 4Bet Tri ; 3.00; 8900;occ; 102; 0;48782
 6;-1363.7; 29-JUN-2011 03:34:04; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;48782
 7;-1066.8; 29-JUN-2011 03:39:01; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48782
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 9; 75.8; 29-JUN-2011 03:58:04; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;48783
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11; 581.3; 29-JUN-2011 04:06:29; Dark ; 51.5; 31; Alp Gru ; 1.73; 15200;occ; 103; 0;48783
12; 730.4; 29-JUN-2011 04:08:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48783
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 3;-1971.4; 29-JUN-2011 05:04:11; Bright; 35.0; 160; 23Gam Per ; 2.93; 4700;occ; 70; 0;48783
 4;-1769.0; 29-JUN-2011 05:07:33; Bright; 47.0; 73; 57Gam1And ; 2.26; 13100;occ; 94; 0;48783
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 4; 2109.3; 29-JUN-2011 21:14:17; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48793
 5; 2220.3; 29-JUN-2011 21:16:08; Bright; 50.0; 168; 17Zet Aql ; 2.99; 11000;occ; 100; 0;48793

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11; 3867.6; 29-JUN-2011 21:43:35; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48793
12; 4042.1; 29-JUN-2011 21:46:30; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48793
13; 4244.4; 29-JUN-2011 21:49:52; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;48793
14; 4401.2; 29-JUN-2011 21:52:29; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;48793
15; 4653.6; 29-JUN-2011 21:56:42; Dark ; 58.5; 50; 13Alp Ari ; 2.01; 4250;occ; 117; 0;48793
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4; 591.2; 29-JUN-2011 22:29:13; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48794
5; 735.7; 29-JUN-2011 22:31:37; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48794
6; 1303.8; 29-JUN-2011 22:41:06; Dark ; 47.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 94; 0;48794
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8; 1969.7; 29-JUN-2011 22:52:11; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48794
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13; 2908.7; 29-JUN-2011 23:07:50; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;48794
14; 3327.4; 29-JUN-2011 23:14:49; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48794
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4; -1768.9; 29-JUN-2011 06:47:47; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48784
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11; 583.0; 29-JUN-2011 07:26:59; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;48785
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13; 1301.2; 29-JUN-2011 07:38:57; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48785
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3; 2224.6; 29-JUN-2011 07:54:20; Bright; 46.0; 168; 17Zet Aql ; 2.99; 11000;occ; 92; 0;48785
4; 2642.8; 29-JUN-2011 08:01:19; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;48785
5; 2795.4; 29-JUN-2011 08:03:51; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;48785
6; 3333.5; 29-JUN-2011 08:12:49; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48785
7; 3770.6; 29-JUN-2011 08:20:07; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48785
8; 3871.0; 29-JUN-2011 08:21:47; Bright; 50.0; 68; 18Alp Cas ; 2.22; 4500;occ; 100; 0;48785
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19; 7315.7; 29-JUN-2011 09:19:12; Dark ; 47.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 95; 0;48786
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4; 2642.3; 29-JUN-2011 09:41:32; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;48786
5; 2795.4; 29-JUN-2011 09:44:05; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48786
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13; 5472.4; 29-JUN-2011 10:28:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48786
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15; 6482.1; 29-JUN-2011 10:45:32; Dark ; 69.0; 63; Bet Gru ; 2.15; 2800;occ; 138; 0;48787
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3; 2223.6; 29-JUN-2011 11:14:47; Bright; 51.0; 168; 17Zet Aql ; 2.99; 11000;occ; 102; 0;48787
4; 2641.7; 29-JUN-2011 11:21:46; Bright; 48.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 97; 0;48787
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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
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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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 12; 4244.1; 30-JUN-2011 09:31:30; Bright; 57.5; 73; 57Gam1And ; 2.26; 13100;occ; 115; 0;48800
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 15; 4954.6; 30-JUN-2011 09:43:20; Dark ; 40.0; 94; 92Alp Cet ; 2.53; 3100;occ; 80; 0;48800
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 6; 2901.9; 30-JUN-2011 12:29:36; Bright; 48.5; 144; 18Del Cyg ; 2.86; 11000;occ; 97; 0;48802
 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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 9; 3855.4; 30-JUN-2011 12:45:29; Bright; 63.0; 110; 37Del Cas ; 2.68; 8900;occ; 126; 0;48802
 10; 4041.8; 30-JUN-2011 12:48:35; Bright; 39.0; 160; 23Gam Per ; 2.93; 4700;occ; 78; 0;48802


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 20; 6616.1; 30-JUN-2011 18:32:12; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48806
 21; 6755.7; 30-JUN-2011 18:34:31; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;48806

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1; 1307.5; 30-JUN-2011 18:43:57; Dark ; 45.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 90; 0;48806
 2; 1471.7; 30-JUN-2011 18:46:41; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48806
 3; 1969.8; 30-JUN-2011 18:54:59; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48806
 4; 2109.0; 30-JUN-2011 18:57:19; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48806
 5; 2213.5; 30-JUN-2011 18:59:03; Bright; 71.0; 168; 17Zet Aql ; 2.99; 11000;occ; 142; 0;48806
 6; 2632.5; 30-JUN-2011 19:06:02; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;48806
 7; 2792.3; 30-JUN-2011 19:08:42; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48806
 8; 2898.5; 30-JUN-2011 19:10:28; Bright; 49.5; 144; 18Del Cyg ; 2.86; 11000;occ; 99; 0;48806
 9; 3319.6; 30-JUN-2011 19:17:29; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48806
 10; 3760.0; 30-JUN-2011 19:24:50; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48806
 11; 3854.2; 30-JUN-2011 19:26:24; Bright; 40.0; 110; 37Del Cas ; 2.68; 8900;occ; 80; 0;48806
 12; 4041.6; 30-JUN-2011 19:29:31; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48806
 13; 4145.5; 30-JUN-2011 19:31:15; Bright; 54.0; 175; 39Del Per ; 3.01; 19400;occ; 108; 0;48806
 14; 4243.7; 30-JUN-2011 19:32:53; Bright; 50.5; 73; 57Gam1And ; 2.26; 13100;occ; 101; 0;48806
 15; 4402.2; 30-JUN-2011 19:35:32; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48806
 16; 4658.1; 30-JUN-2011 19:39:48; Dark ; 57.5; 50; 13Alp Ari ; 2.01; 4250;occ; 115; 0;48806
 17; 4957.2; 30-JUN-2011 19:44:47; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48806
 18; 5489.9; 30-JUN-2011 19:53:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48806
 19; 6114.3; 30-JUN-2011 20:04:04; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48807
 20; 6501.4; 30-JUN-2011 20:10:31; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48807
 21; 6616.9; 30-JUN-2011 20:12:26; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48807
 22; 6756.1; 30-JUN-2011 20:14:46; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48807