

GOMOS Daily Report 10-JUL-2010

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	14JUL2010 04:55:24
Data source version	GOMOS/5.01
Start time of products	10JUL2010 00:00:34
Stop time of products	10JUL2010 23:59:13
Store outputs in DB	Yes
Nb of level 1b prods	126
Nb of prods with errors	0

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

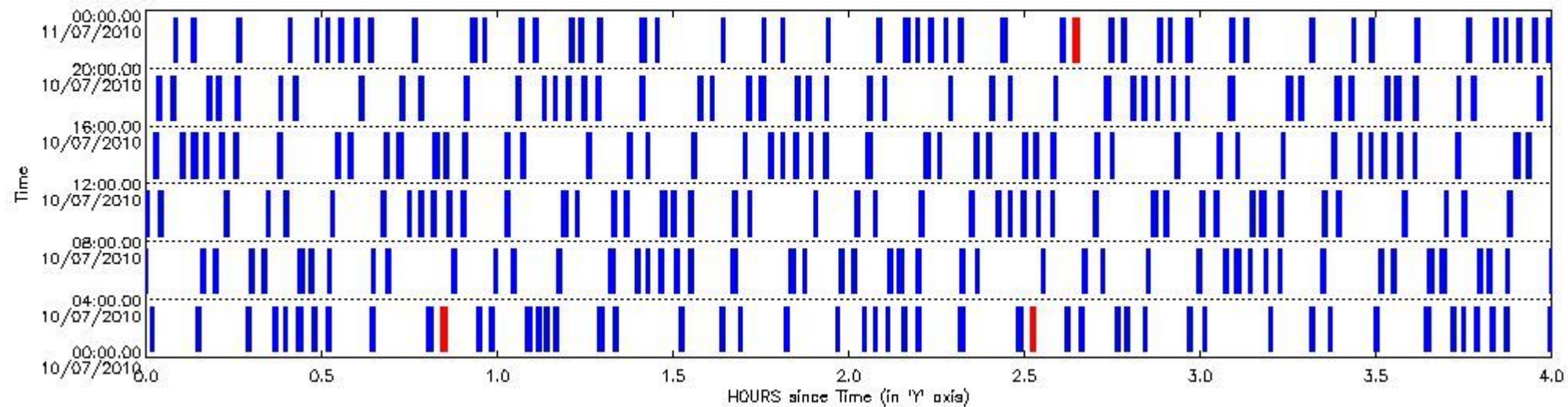
2.1 Level 0 products arrived in PCF (see template [here](#))

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
10-JUL-2010 00:50:20	The1Eri	157	43700
10-JUL-2010 02:30:57	The1Eri	157	43701
10-JUL-2010 22:38:15	The1Eri	157	43713

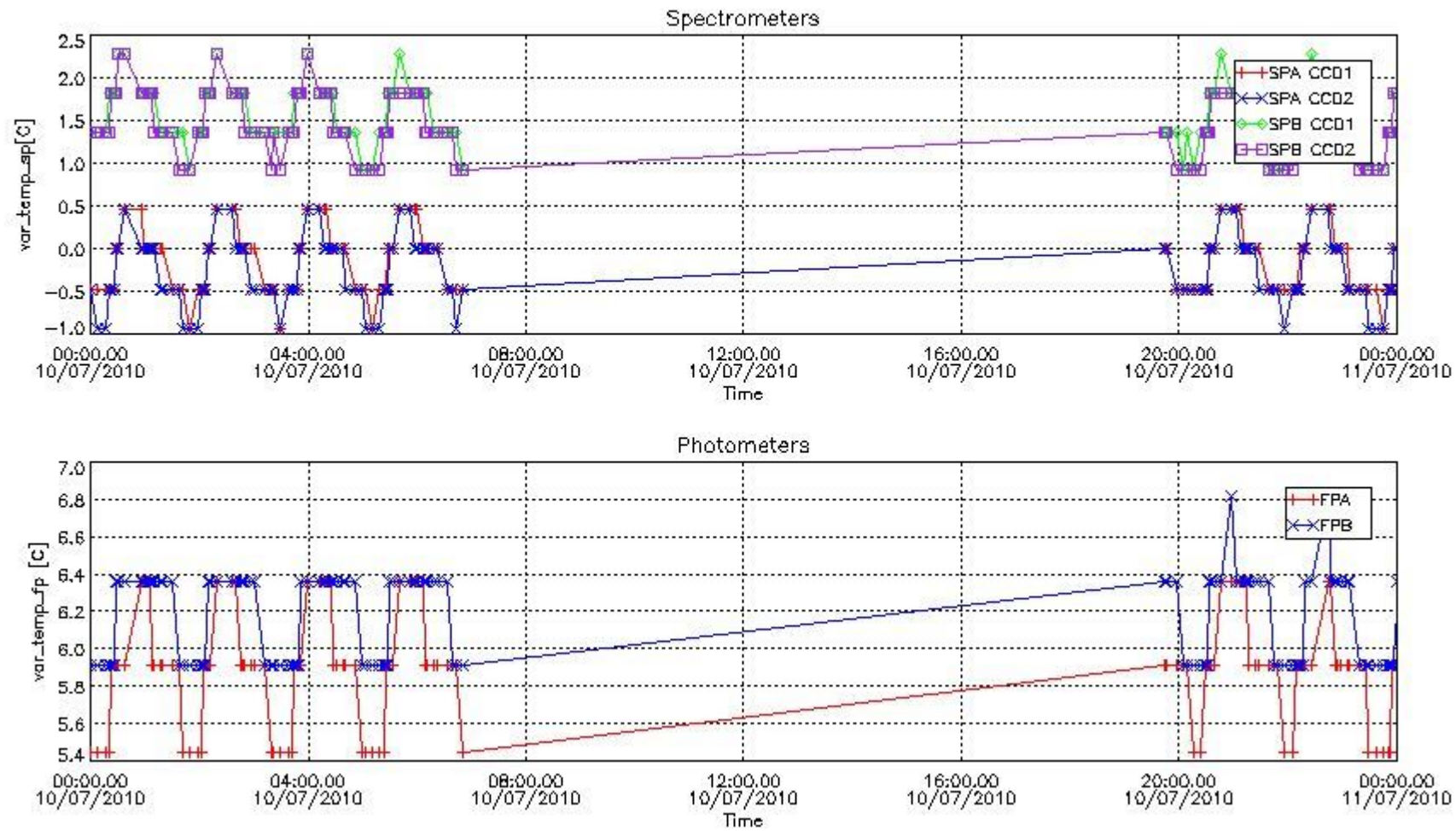
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100710_000034_000000412091_00059_43700_5491.N1	10-JUL-2010 00:00:34	Bright	40.500	69	33Gam Dra	2.2310	3800.0	81	43700	No
2	GOM_TRA_1PNPDE20100710_000826_000000452091_00059_43700_5492.N1	10-JUL-2010 00:08:26	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	43700	No
3	GOM_TRA_1PNPDE20100710_001706_000000452091_00059_43700_5493.N1	10-JUL-2010 00:17:06	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	43700	No
4	GOM_TRA_1PNPDE20100710_002136_000000412091_00059_43700_5494.N1	10-JUL-2010 00:21:36	Bright	41.000	160	23Gam Per	2.9300	4700.0	82	43700	No
5	GOM_TRA_1PNPDE20100710_002331_000000352091_00059_43700_5495.N1	10-JUL-2010 00:23:31	Bright	35.000	175	39Del Per	3.0100	19400.	70	43700	No
6	GOM_TRA_1PNPDE20100710_002541_000000522091_00059_43700_5496.N1	10-JUL-2010 00:25:41	Bright	52.000	79	26Bet Per	2.3100	13100.	104	43700	No
7	GOM_TRA_1PNPDE20100710_002821_000000432091_00059_43700_5497.N1	10-JUL-2010 00:28:21	Bright	43.000	150	44Zet Per	2.8900	28000.	86	43700	No
8	GOM_TRA_1PNPDE20100710_003047_000000442091_00059_43700_5498.N1	10-JUL-2010 00:30:47	Twilight	43.500	146	25Eta Tau	2.8730	15200.	87	43700	No

9	GOM_TRA_1PNPDE20100710_003804_000000572091_00059_43700_5499.N1	10-JUL-2010 00:38:04	Dark	57.000	94	92Alp Cet	2.5260	3100.0	114	43700	No
10	GOM_TRA_1PNPDE20100710_005622_000000522091_00060_43701_5509.N1	10-JUL-2010 00:56:22	Dark	51.500	9	Alp Eri	0.45300	24000.	103	43701	No
11	GOM_TRA_1PNPDE20100710_005832_000000572091_00060_43701_5510.N1	10-JUL-2010 00:58:32	Dark	56.500	84	Alp Phe	2.3970	4500.0	113	43701	No
12	GOM_TRA_1PNPDE20100710_010444_000000642091_00060_43701_5511.N1	10-JUL-2010 01:04:44	Straylight	63.500	63	Bet Gru	2.1500	2800.0	127	43701	No
13	GOM_TRA_1PNPDE20100710_010629_000000592091_00060_43701_5512.N1	10-JUL-2010 01:06:29	Straylight	59.000	31	Alp Gru	1.7340	15200.	118	43701	No
14	GOM_TRA_1PNPDE20100710_010803_000000482091_00060_43701_5513.N1	10-JUL-2010 01:08:03	Straylight	48.000	45	Alp Pav	1.9400	26000.	96	43701	No
15	GOM_TRA_1PNPDE20100710_010938_000000372091_00060_43701_5514.N1	10-JUL-2010 01:09:38	Straylight	37.000	172	Gam Gru	3.0030	13100.	74	43701	No
16	GOM_TRA_1PNPDE20100710_011708_000000562091_00060_43701_5515.N1	10-JUL-2010 01:17:08	Bright	56.000	103	38Zet Sgr	2.6000	9700.0	112	43701	No
17	GOM_TRA_1PNPDE20100710_011943_000000432091_00060_43701_5516.N1	10-JUL-2010 01:19:43	Bright	43.000	155	41Pi Sgr	2.9000	6600.0	86	43701	No
18	GOM_TRA_1PNPDE20100710_013059_000000442091_00060_43701_5517.N1	10-JUL-2010 01:30:59	Bright	43.500	168	17Zet Aql	2.9860	11000.	87	43701	No
19	GOM_TRA_1PNPDE20100710_013802_000000392091_00060_43701_5518.N1	10-JUL-2010 01:38:02	Bright	38.500	5	3Alp Lyr	0.033000	11000.	77	43701	No
20	GOM_TRA_1PNPDE20100710_014110_000000352091_00060_43701_5519.N1	10-JUL-2010 01:41:10	Bright	35.000	69	33Gam Dra	2.2310	3800.0	70	43701	No
21	GOM_TRA_1PNPDE20100710_014901_000000462091_00060_43701_5520.N1	10-JUL-2010 01:49:01	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	43701	No
22	GOM_TRA_1PNPDE20100710_015741_000000452091_00060_43701_5521.N1	10-JUL-2010 01:57:41	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	43701	No
23	GOM_TRA_1PNPDE20100710_020211_000000412091_00060_43701_5522.N1	10-JUL-2010 02:02:11	Bright	40.500	160	23Gam Per	2.9300	4700.0	81	43701	No
24	GOM_TRA_1PNPDE20100710_020407_000000352091_00060_43701_5523.N1	10-JUL-2010 02:04:07	Bright	34.500	175	39Del Per	3.0100	19400.	69	43701	No
25	GOM_TRA_1PNPDE20100710_020617_000000372091_00060_43701_5524.N1	10-JUL-2010 02:06:17	Bright	36.500	79	26Bet Per	2.3100	13100.	73	43701	No
26	GOM_TRA_1PNPDE20100710_020857_000000452091_00060_43701_5525.N1	10-JUL-2010 02:08:57	Bright	44.500	150	44Zet Per	2.8900	28000.	89	43701	No
27	GOM_TRA_1PNPDE20100710_021123_000000442091_00060_43701_5526.N1	10-JUL-2010 02:11:23	Twilight	44.000	146	25Eta Tau	2.8730	15200.	88	43701	No
28	GOM_TRA_1PNPDE20100710_021841_000000562091_00060_43701_5529.N1	10-JUL-2010 02:18:41	Dark	56.000	94	92Alp Cet	2.5260	3100.0	112	43701	No
29	GOM_TRA_1PNPDE20100710_023659_000000492091_00061_43702_5530.N1	10-JUL-2010 02:36:59	Dark	49.000	9	Alp Eri	0.45300	24000.	98	43702	No
30	GOM_TRA_1PNPDE20100710_023910_000000522091_00061_43702_5531.N1	10-JUL-2010 02:39:10	Dark	51.500	84	Alp Phe	2.3970	4500.0	103	43702	No
31	GOM_TRA_1PNPDE20100710_024521_000000612091_00061_43702_5532.N1	10-JUL-2010 02:45:21	Straylight	61.000	63	Bet Gru	2.1500	2800.0	122	43702	No
32	GOM_TRA_1PNPDE20100710_024706_000000522091_00061_43702_5533.N1	10-JUL-2010 02:47:06	Straylight	51.500	31	Alp Gru	1.7340	15200.	103	43702	No
33	GOM_TRA_1PNPDE20100710_025015_000000382091_00061_43702_5534.N1	10-JUL-2010 02:50:15	Straylight	38.000	172	Gam Gru	3.0030	13100.	76	43702	No
34	GOM_TRA_1PNPDE20100710_025745_000000442091_00061_43702_5535.N1	10-JUL-2010 02:57:45	Bright	44.000	103	38Zet Sgr	2.6000	9700.0	88	43702	No
35	GOM_TRA_1PNPDE20100710_030019_000000412091_00061_43702_5536.N1	10-JUL-2010 03:00:19	Bright	41.000	155	41Pi Sgr	2.9000	6600.0	82	43702	No
36	GOM_TRA_1PNPDE20100710_031135_000000422091_00061_43702_5537.N1	10-JUL-2010 03:11:35	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	43702	No
37	GOM_TRA_1PNPDE20100710_031838_000000432091_00061_43702_5538.N1	10-JUL-2010 03:18:38	Bright	43.000	5	3Alp Lyr	0.033000	11000.	86	43702	No
38	GOM_TRA_1PNPDE20100710_032146_000000382091_00061_43702_5539.N1	10-JUL-2010 03:21:46	Bright	38.000	69	33Gam Dra	2.2310	3800.0	76	43702	No
39	GOM_TRA_1PNPDE20100710_032936_000000462091_00061_43702_5540.N1	10-JUL-2010 03:29:36	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	43702	No
40	GOM_TRA_1PNPDE20100710_033817_000000672091_00061_43702_5546.N1	10-JUL-2010 03:38:17	Bright	67.000	76	27Gam Cas	2.3000	30000.	134	43702	No
41	GOM_TRA_1PNPDE20100710_034247_000000412091_00061_43702_5547.N1	10-JUL-2010 03:42:47	Bright	40.500	160	23Gam Per	2.9300	4700.0	81	43702	No
42	GOM_TRA_1PNPDE20100710_034443_000000342091_00061_43702_5548.N1	10-JUL-2010 03:44:43	Bright	34.000	175	39Del Per	3.0100	19400.	68	43702	No
43	GOM_TRA_1PNPDE20100710_034653_000000422091_00061_43702_5549.N1	10-JUL-2010 03:46:53	Bright	41.500	79	26Bet Per	2.3100	13100.	83	43702	No
44	GOM_TRA_1PNPDE20100710_034933_000000442091_00061_43702_5550.N1	10-JUL-2010 03:49:33	Bright	43.500	150	44Zet Per	2.8900	28000.	87	43702	No
45	GOM_TRA_1PNPDE20100710_035200_000000442091_00061_43702_5551.N1	10-JUL-2010 03:52:00	Twilight	44.000	146	25Eta Tau	2.8730	15200.	88	43702	No
46	GOM_TRA_1PNPDE20100710_035917_000000532091_00061_43702_5552.N1	10-JUL-2010 03:59:17	Dark	53.000	94	92Alp Cet	2.5260	3100.0	106	43702	No
47	GOM_TRA_1PNPDE20100710_041124_000000422091_00061_43702_5553.N1	10-JUL-2010 04:11:24	Dark	41.500	157	The1Eri	2.9060	9300.0	83	43702	No
48	GOM_TRA_1PNPDE20100710_041736_000000512091_00062_43703_5554.N1	10-JUL-2010 04:17:36	Dark	50.500	9	Alp Eri	0.45300	24000.	101	43703	No
49	GOM_TRA_1PNPDE20100710_041946_000000532091_00062_43703_5555.N1	10-JUL-2010 04:19:46	Dark	53.000	84	Alp Phe	2.3970	4500.0	106	43703	No
50	GOM_TRA_1PNPDE20100710_042558_000000532091_00062_43703_5556.N1	10-JUL-2010 04:25:58	Straylight	53.000	63	Bet Gru	2.1500	2800.0	106	43703	No
51	GOM_TRA_1PNPDE20100710_042743_000000532091_00062_43703_5557.N1	10-JUL-2010 04:27:43	Straylight	52.500	31	Alp Gru	1.7340	15200.	105	43703	No
52	GOM_TRA_1PNPDE20100710_043052_000000382091_00062_43703_5558.N1	10-JUL-2010 04:30:52	Straylight	38.000	172	Gam Gru	3.0030	13100.	76	43703	No
53	GOM_TRA_1PNPDE20100710_043821_000000462091_00062_43703_5559.N1	10-JUL-2010 04:38:21	Bright	45.500	103	38Zet Sgr	2.6000	9700.0	91	43703	No
54	GOM_TRA_1PNPDE20100710_044055_000000422091_00062_43703_5560.N1	10-JUL-2010 04:40:55	Bright	41.500	155	41Pi Sgr	2.9000	6600.0	83	43703	No
55	GOM_TRA_1PNPDE20100710_045210_000000422091_00062_43703_5561.N1	10-JUL-2010 04:52:10	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	43703	No
56	GOM_TRA_1PNPDE20100710_045914_000000442091_00062_43703_5562.N1	10-JUL-2010 04:59:14	Bright	44.000	5	3Alp Lyr	0.033000	11000.	88	43703	No
57	GOM_TRA_1PNPDE20100710_050221_000000382091_00062_43703_5563.N1	10-JUL-2010 05:02:21	Bright	38.000	69	33Gam Dra	2.2310	3800.0	76	43703	No
58	GOM_TRA_1PNPDE20100710_051011_000000462091_00062_43703_5564.N1	10-JUL-2010 05:10:11	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	43703	No
59	GOM_TRA_1PNPDE20100710_051852_000000672091_00062_43703_5590.N1	10-JUL-2010 05:18:52	Bright	67.000	76	27Gam Cas	2.3000	30000.	134	43703	No
60	GOM_TRA_1PNPDE20100710_052323_000000582091_00062_43703_5591.N1	10-JUL-2010 05:23:23	Bright	58.000	160	23Gam Per	2.9300	4700.0	116	43703	No
61	GOM_TRA_1PNPDE20100710_052519_000000372091_00062_43703_5592.N1	10-JUL-2010 05:25:19	Bright	36.500	175	39Del Per	3.0100	19400.	73	43703	No
62	GOM_TRA_1PNPDE20100710_052729_000000522091_00062_43703_5593.N1	10-JUL-2010 05:27:29	Bright	51.500	79	26Bet Per	2.3100	13100.	103	43703	No
63	GOM_TRA_1PNPDE20100710_053009_000000442091_00062_43703_5594.N1	10-JUL-2010 05:30:09	Bright	43.500	150	44Zet Per	2.8900	28000.	87	43703	No
64	GOM_TRA_1PNPDE20100710_053236_000000432091_00062_43703_5595.N1	10-JUL-2010 05:32:36	Twilight	43.000	146	25Eta Tau	2.8730	15200.	86	43703	No
65	GOM_TRA_1PNPDE20100710_053954_000000572091_00062_43703_5596.N1	10-JUL-2010 05:39:54	Dark	57.000	94	92Alp Cet	2.5260	3100.0	114	43703	No
66	GOM_TRA_1PNPDE20100710_055201_000000412091_00062_43703_5597.N1	10-JUL-2010 05:52:01	Dark	40.500	157	The1Eri	2.9060	9300.0	81	43703	No
67	GOM_TRA_1PNPDE20100710_055812_000000532091_00063_43704_5598.N1	10-JUL-2010 05:58:12	Dark	53.000	9	Alp Eri	0.45300	24000.	106	43704	No

68	GOM_TRA_1PNPDE20100710_060023_000000502091_00063_43704_5599.N1	10-JUL-2010 06:00:23	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	43704	No
69	GOM_TRA_1PNPDE20100710_060634_000000522091_00063_43704_5600.N1	10-JUL-2010 06:06:34	Straylight	52.000	63	Bet Gru	2.1500	2800.0	104	43704	No
70	GOM_TRA_1PNPDE20100710_060820_000000502091_00063_43704_5601.N1	10-JUL-2010 06:08:20	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	43704	No
71	GOM_TRA_1PNPDE20100710_061128_000000412091_00063_43704_5602.N1	10-JUL-2010 06:11:28	Straylight	41.000	172	Gam Gru	3.0030	13100.	82	43704	No
72	GOM_TRA_1PNPDE20100710_061857_000000492091_00063_43704_5603.N1	10-JUL-2010 06:18:57	Bright	48.500	103	38Zet Sgr	2.6000	9700.0	97	43704	No
73	GOM_TRA_1PNPDE20100710_062131_000000422091_00063_43704_5604.N1	10-JUL-2010 06:21:31	Bright	42.000	155	41Pi Sgr	2.9000	6600.0	84	43704	No
74	GOM_TRA_1PNPDE20100710_063246_000000412091_00063_43704_5605.N1	10-JUL-2010 06:32:46	Bright	41.000	168	17Zet Aql	2.9860	11000.	82	43704	No
75	GOM_TRA_1PNPDE20100710_063949_000000432091_00063_43704_5606.N1	10-JUL-2010 06:39:49	Bright	42.500	5	3Alp Lyr	0.033000	11000.	85	43704	No
76	GOM_TRA_1PNPDE20100710_064258_000000402091_00063_43704_5607.N1	10-JUL-2010 06:42:58	Bright	39.500	69	33Gam Dra	2.2310	3800.0	79	43704	No
77	GOM_TRA_1PNPDE20100710_065046_000000422091_00063_43704_5608.N1	10-JUL-2010 06:50:46	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	43704	No
78	GOM_TRA_1PNPDE20100710_194346_000000432091_00071_43712_5702.N1	10-JUL-2010 19:43:46	Bright	43.000	103	38Zet Sgr	2.6000	9700.0	86	43712	No
79	GOM_TRA_1PNPDE20100710_194620_000000422091_00071_43712_5703.N1	10-JUL-2010 19:46:20	Bright	41.500	155	41Pi Sgr	2.9000	6600.0	83	43712	No
80	GOM_TRA_1PNPDE20100710_195731_000000442091_00071_43712_5704.N1	10-JUL-2010 19:57:31	Bright	43.500	168	17Zet Aql	2.9860	11000.	87	43712	No
81	GOM_TRA_1PNPDE20100710_200435_000000422091_00071_43712_5705.N1	10-JUL-2010 20:04:35	Bright	42.000	5	3Alp Lyr	0.033000	11000.	84	43712	No
82	GOM_TRA_1PNPDE20100710_200744_000000402091_00071_43712_5706.N1	10-JUL-2010 20:07:44	Bright	40.000	69	33Gam Dra	2.2310	3800.0	80	43712	No
83	GOM_TRA_1PNPDE20100710_201529_000000452091_00071_43712_5707.N1	10-JUL-2010 20:15:29	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	43712	No
84	GOM_TRA_1PNPDE20100710_202411_000000442091_00071_43712_5708.N1	10-JUL-2010 20:24:11	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	43712	No
85	GOM_TRA_1PNPDE20100710_202845_000000412091_00071_43712_5709.N1	10-JUL-2010 20:28:45	Bright	40.500	160	23Gam Per	2.9300	4700.0	81	43712	No
86	GOM_TRA_1PNPDE20100710_203043_000000352091_00071_43712_5710.N1	10-JUL-2010 20:30:43	Bright	34.500	175	39Del Per	3.0100	19400.	69	43712	No
87	GOM_TRA_1PNPDE20100710_203253_000000442091_00071_43712_5711.N1	10-JUL-2010 20:32:53	Bright	44.000	79	26Bet Per	2.3100	13100.	88	43712	No
88	GOM_TRA_1PNPDE20100710_203534_000000462091_00071_43712_5712.N1	10-JUL-2010 20:35:34	Bright	45.500	150	44Zet Per	2.8900	28000.	91	43712	No
89	GOM_TRA_1PNPDE20100710_203801_000000442091_00071_43712_5713.N1	10-JUL-2010 20:38:01	Twilight	44.000	146	25Eta Tau	2.8730	15200.	88	43712	No
90	GOM_TRA_1PNPDE20100710_204523_000000562091_00071_43712_5721.N1	10-JUL-2010 20:45:23	Dark	55.500	94	92Alp Cet	2.5260	3100.0	111	43712	No
91	GOM_TRA_1PNPDE20100710_205729_000000402091_00071_43712_5722.N1	10-JUL-2010 20:57:29	Dark	40.000	157	The1Eri	2.9060	9300.0	80	43712	No
92	GOM_TRA_1PNPDE20100710_210341_000000542091_00072_43713_5723.N1	10-JUL-2010 21:03:41	Dark	54.000	9	Alp Eri	0.45300	24000.	108	43713	No
93	GOM_TRA_1PNPDE20100710_210557_000000522091_00072_43713_5724.N1	10-JUL-2010 21:05:57	Dark	51.500	84	Alp Phe	2.3970	4500.0	103	43713	No
94	GOM_TRA_1PNPDE20100710_211206_000000612091_00072_43713_5725.N1	10-JUL-2010 21:12:06	Straylight	61.000	63	Bet Gru	2.1500	2800.0	122	43713	No
95	GOM_TRA_1PNPDE20100710_211351_000000472091_00072_43713_5726.N1	10-JUL-2010 21:13:51	Straylight	46.500	31	Alp Gru	1.7340	15200.	93	43713	No
96	GOM_TRA_1PNPDE20100710_211700_000000492091_00072_43713_5727.N1	10-JUL-2010 21:17:00	Straylight	49.000	172	Gam Gru	3.0030	13100.	98	43713	No
97	GOM_TRA_1PNPDE20100710_212423_000000512091_00072_43713_5728.N1	10-JUL-2010 21:24:23	Bright	50.500	103	38Zet Sgr	2.6000	9700.0	101	43713	No
98	GOM_TRA_1PNPDE20100710_212656_000000412091_00072_43713_5729.N1	10-JUL-2010 21:26:56	Bright	41.000	155	41Pi Sgr	2.9000	6600.0	82	43713	No
99	GOM_TRA_1PNPDE20100710_213807_000000402091_00072_43713_5730.N1	10-JUL-2010 21:38:07	Bright	39.500	168	17Zet Aql	2.9860	11000.	79	43713	No
100	GOM_TRA_1PNPDE20100710_214510_000000402091_00072_43713_5731.N1	10-JUL-2010 21:45:10	Bright	39.500	5	3Alp Lyr	0.033000	11000.	79	43713	No
101	GOM_TRA_1PNPDE20100710_214820_000000352091_00072_43713_5732.N1	10-JUL-2010 21:48:20	Bright	35.000	69	33Gam Dra	2.2310	3800.0	70	43713	No
102	GOM_TRA_1PNPDE20100710_215604_000000452091_00072_43713_5733.N1	10-JUL-2010 21:56:04	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	43713	No
103	GOM_TRA_1PNPDE20100710_220446_000000472091_00072_43713_5734.N1	10-JUL-2010 22:04:46	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	43713	No
104	GOM_TRA_1PNPDE20100710_220921_000000592091_00072_43713_5735.N1	10-JUL-2010 22:09:21	Bright	59.000	160	23Gam Per	2.9300	4700.0	118	43713	No
105	GOM_TRA_1PNPDE20100710_221118_000000362091_00072_43713_5736.N1	10-JUL-2010 22:11:18	Bright	36.000	175	39Del Per	3.0100	19400.	72	43713	No
106	GOM_TRA_1PNPDE20100710_221329_000000552091_00072_43713_5737.N1	10-JUL-2010 22:13:29	Bright	54.500	79	26Bet Per	2.3100	13100.	109	43713	No
107	GOM_TRA_1PNPDE20100710_221610_000000432091_00072_43713_5738.N1	10-JUL-2010 22:16:10	Bright	43.000	150	44Zet Per	2.8900	28000.	86	43713	No
108	GOM_TRA_1PNPDE20100710_221837_000000432091_00072_43713_5739.N1	10-JUL-2010 22:18:37	Twilight	43.000	146	25Eta Tau	2.8730	15200.	86	43713	No
109	GOM_TRA_1PNPDE20100710_222559_000000612091_00072_43713_5740.N1	10-JUL-2010 22:25:59	Dark	60.500	94	92Alp Cet	2.5260	3100.0	121	43713	No
110	GOM_TRA_1PNPDE20100710_224417_000000522091_00073_43714_5741.N1	10-JUL-2010 22:44:17	Dark	52.000	9	Alp Eri	0.45300	24000.	104	43714	No
111	GOM_TRA_1PNPDE20100710_224634_000000522091_00073_43714_5742.N1	10-JUL-2010 22:46:34	Dark	51.500	84	Alp Phe	2.3970	4500.0	103	43714	No
112	GOM_TRA_1PNPDE20100710_225243_000000512091_00073_43714_5743.N1	10-JUL-2010 22:52:43	Straylight	50.500	63	Bet Gru	2.1500	2800.0	101	43714	No
113	GOM_TRA_1PNPDE20100710_225427_000000472091_00073_43714_5744.N1	10-JUL-2010 22:54:27	Straylight	46.500	31	Alp Gru	1.7340	15200.	93	43714	No
114	GOM_TRA_1PNPDE20100710_225736_000000512091_00073_43714_5745.N1	10-JUL-2010 22:57:36	Straylight	51.000	172	Gam Gru	3.0030	13100.	102	43714	No
115	GOM_TRA_1PNPDE20100710_230459_000000462091_00073_43714_5746.N1	10-JUL-2010 23:04:59	Bright	46.000	103	38Zet Sgr	2.6000	9700.0	92	43714	No
116	GOM_TRA_1PNPDE20100710_230732_000000422091_00073_43714_5747.N1	10-JUL-2010 23:07:32	Bright	41.500	155	41Pi Sgr	2.9000	6600.0	83	43714	No
117	GOM_TRA_1PNPDE20100710_231843_000000402091_00073_43714_5748.N1	10-JUL-2010 23:18:43	Bright	40.000	168	17Zet Aql	2.9860	11000.	80	43714	No
118	GOM_TRA_1PNPDE20100710_232546_000000372091_00073_43714_5749.N1	10-JUL-2010 23:25:46	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	43714	No
119	GOM_TRA_1PNPDE20100710_232855_000000412091_00073_43714_5750.N1	10-JUL-2010 23:28:55	Bright	40.500	69	33Gam Dra	2.2310	3800.0	81	43714	No
120	GOM_TRA_1PNPDE20100710_233640_000000452091_00073_43714_5751.N1	10-JUL-2010 23:36:40	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	43714	No
121	GOM_TRA_1PNPDE20100710_234522_000000492091_00073_43714_5752.N1	10-JUL-2010 23:45:22	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	43714	No
122	GOM_TRA_1PNPDE20100710_234957_000000592091_00073_43714_5753.N1	10-JUL-2010 23:49:57	Bright	59.000	160	23Gam Per	2.9300	4700.0	118	43714	No
123	GOM_TRA_1PNPDE20100710_235154_000000352091_00073_43714_5754.N1	10-JUL-2010 23:51:54	Bright	34.500	175	39Del Per	3.0100	19400.	69	43714	No
124	GOM_TRA_1PNPDE20100710_235404_000000442091_00073_43714_5755.N1	10-JUL-2010 23:54:04	Bright	44.000	79	26Bet Per	2.3100	13100.	88	43714	No
125	GOM_TRA_1PNPDE20100710_235646_000000452091_00073_43714_5756.N1	10-JUL-2010 23:56:46	Bright	45.000	150	44Zet Per	2.8900	28000.	90	43714	No
126	GOM_TRA_1PNPDE20100710_235913_000000442091_00073_43714_5757.N1	10-JUL-2010 23:59:13	Twilight	43.500	146	25Eta Tau	2.8730	15200.	87	43714	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).

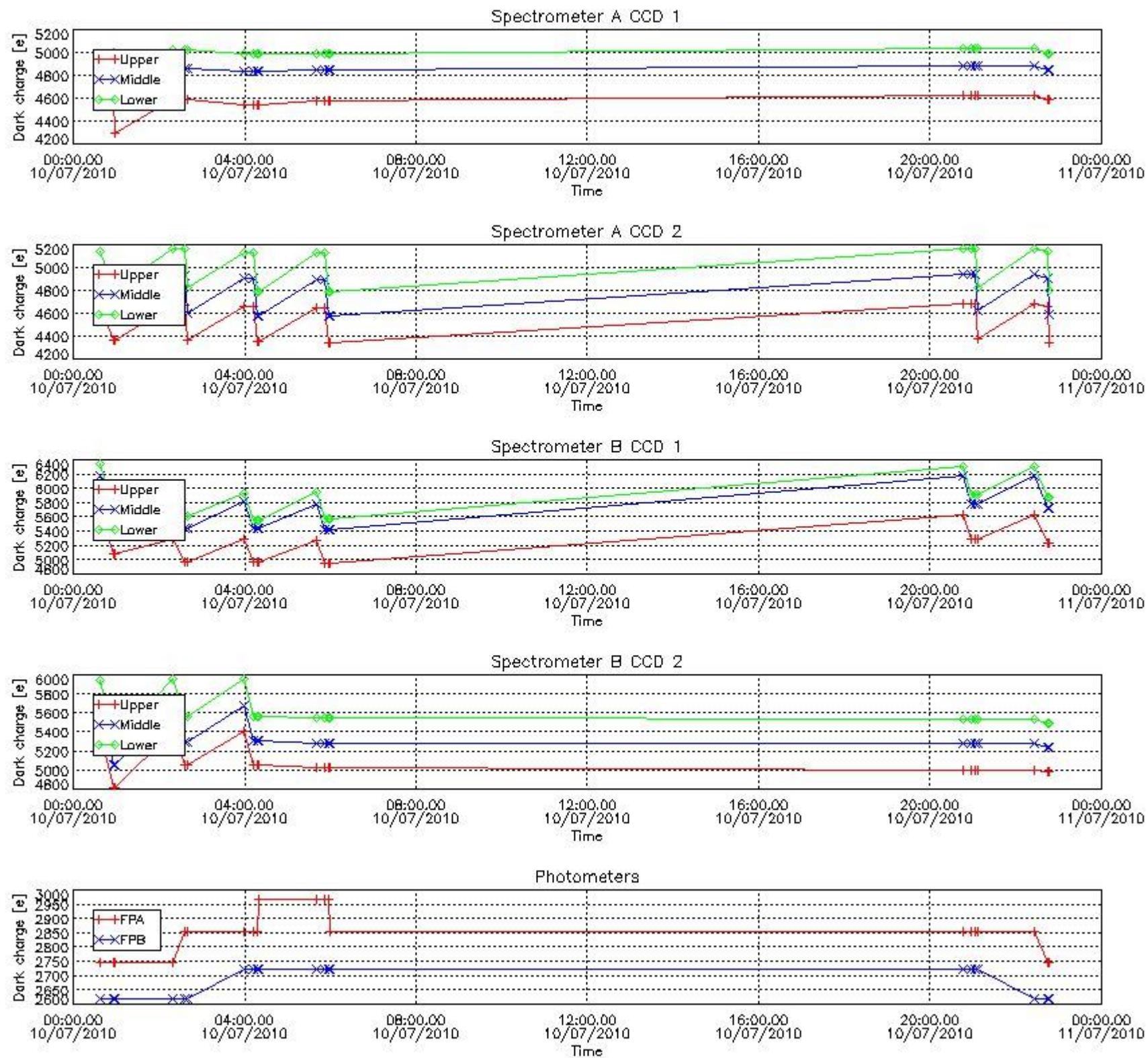
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100710_194346_000000432091_00071_43712_5702.N1	DC map used
GOM_TRA_1PNPDE20100710_194620_000000422091_00071_43712_5703.N1	DC map used
GOM_TRA_1PNPDE20100710_195731_000000442091_00071_43712_5704.N1	DC map used
GOM_TRA_1PNPDE20100710_200435_000000422091_00071_43712_5705.N1	DC map used
GOM_TRA_1PNPDE20100710_200744_000000402091_00071_43712_5706.N1	DC map used
GOM_TRA_1PNPDE20100710_201529_000000452091_00071_43712_5707.N1	DC map used
GOM_TRA_1PNPDE20100710_202411_000000442091_00071_43712_5708.N1	DC map used
GOM_TRA_1PNPDE20100710_202845_000000412091_00071_43712_5709.N1	DC map used
GOM_TRA_1PNPDE20100710_203043_000000352091_00071_43712_5710.N1	DC map used
GOM_TRA_1PNPDE20100710_203253_000000442091_00071_43712_5711.N1	DC map used

GOM_TRA_1PNPDE20100710_203534_000000462091_00071_43712_5712.N1	DC map used
GOM_TRA_1PNPDE20100710_203801_000000442091_00071_43712_5713.N1	DC map used

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



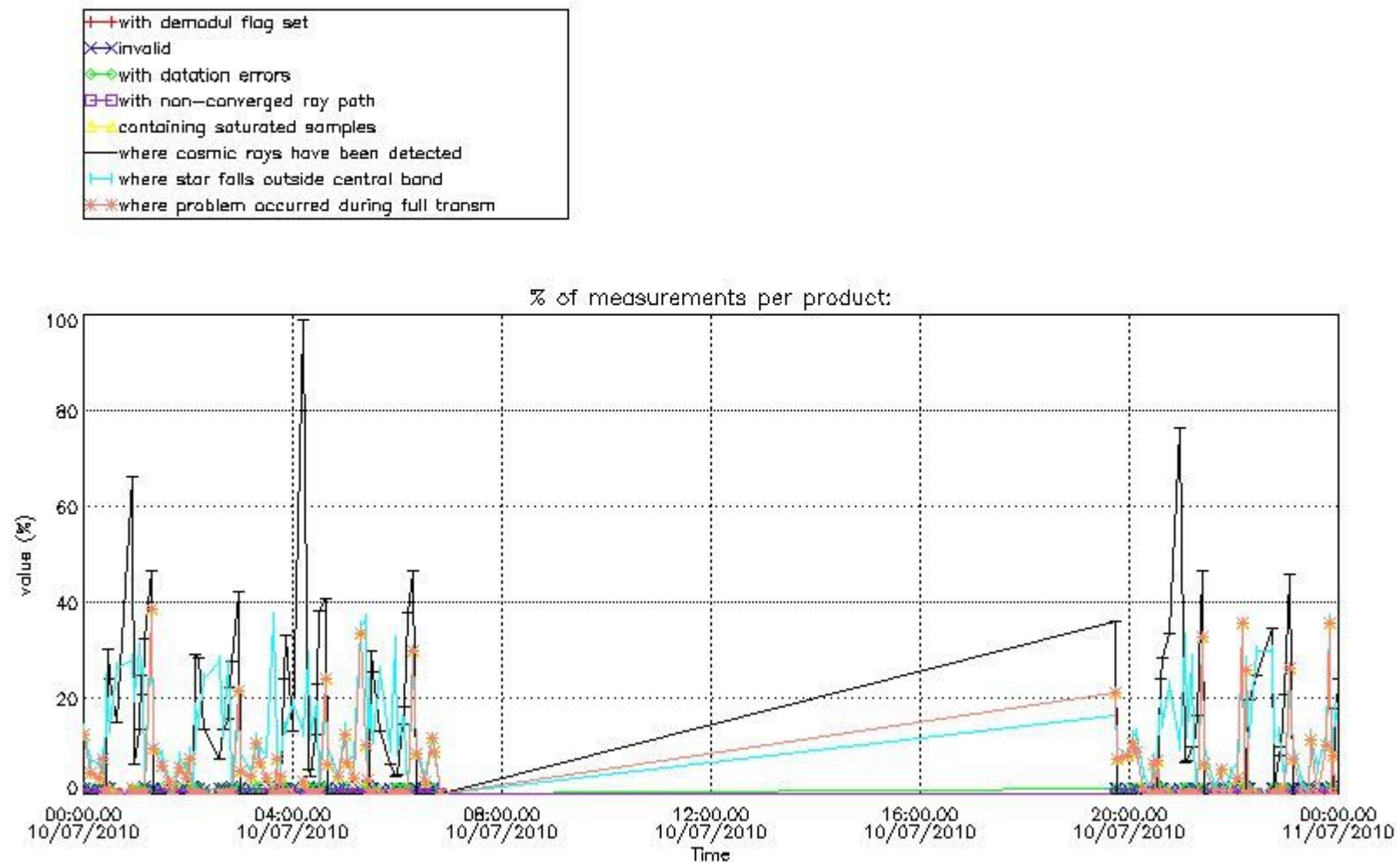
5. Demodulation flag and quality information monitoring

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.

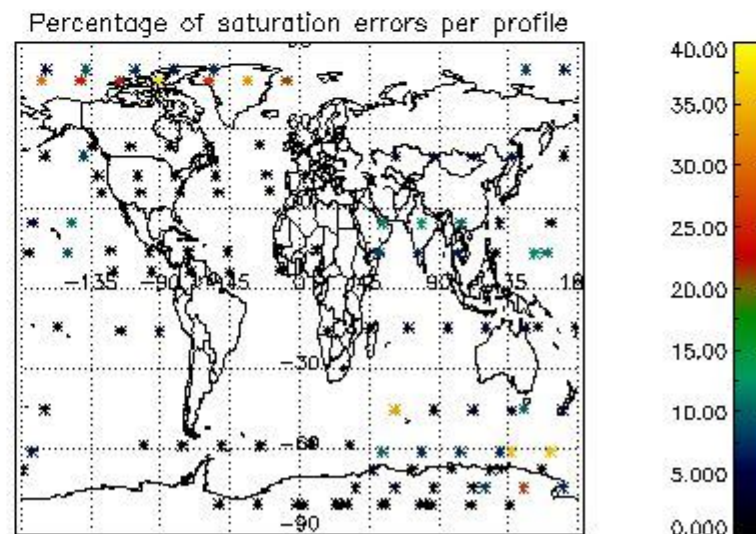
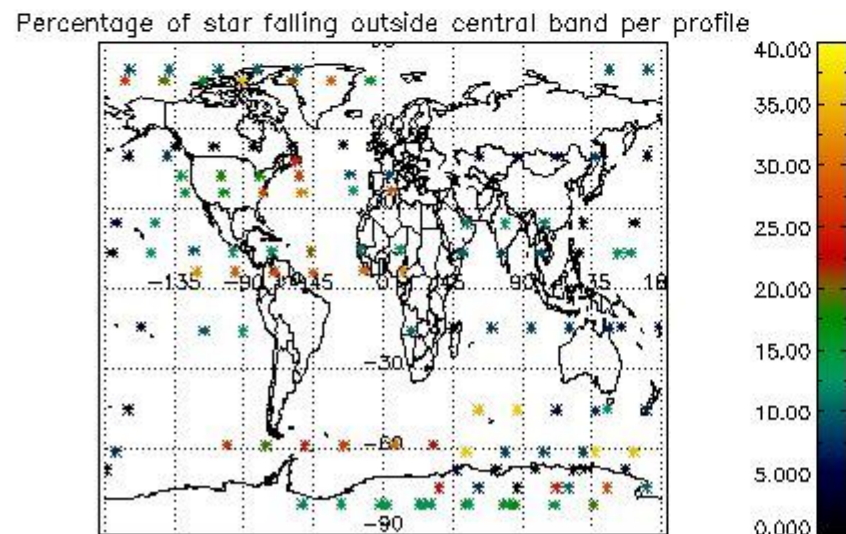
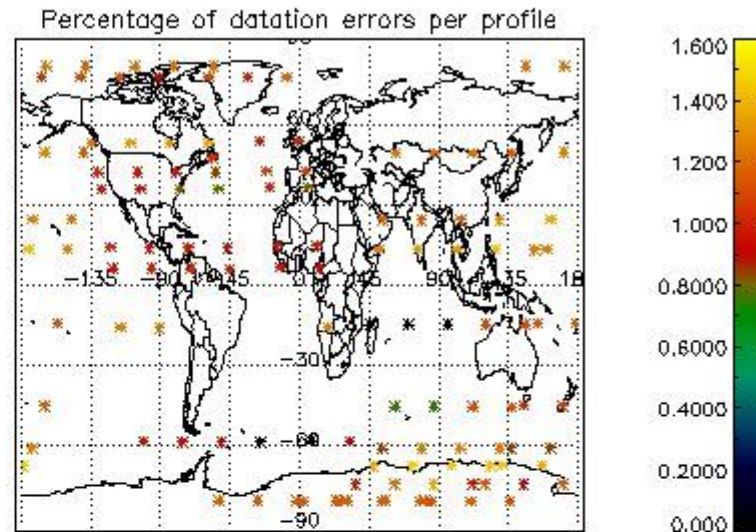
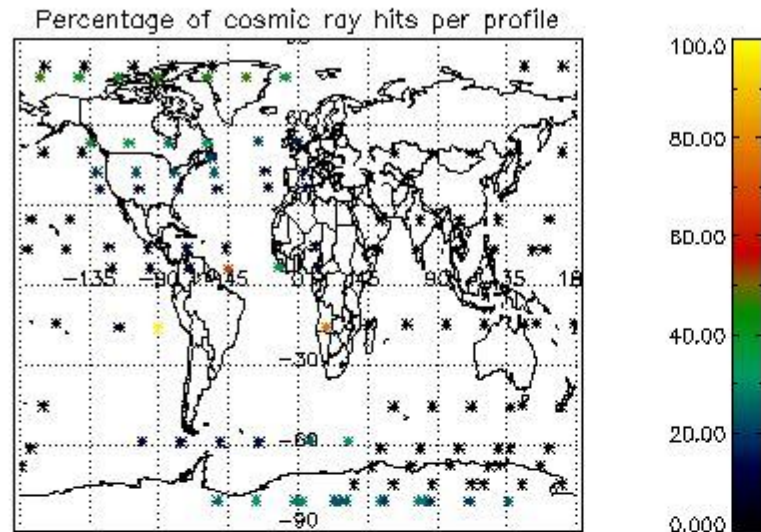
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	28.5714 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



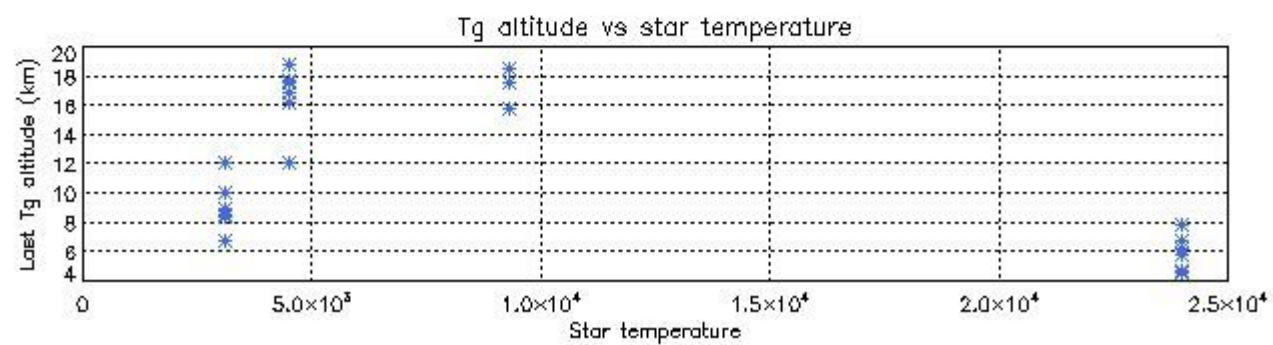
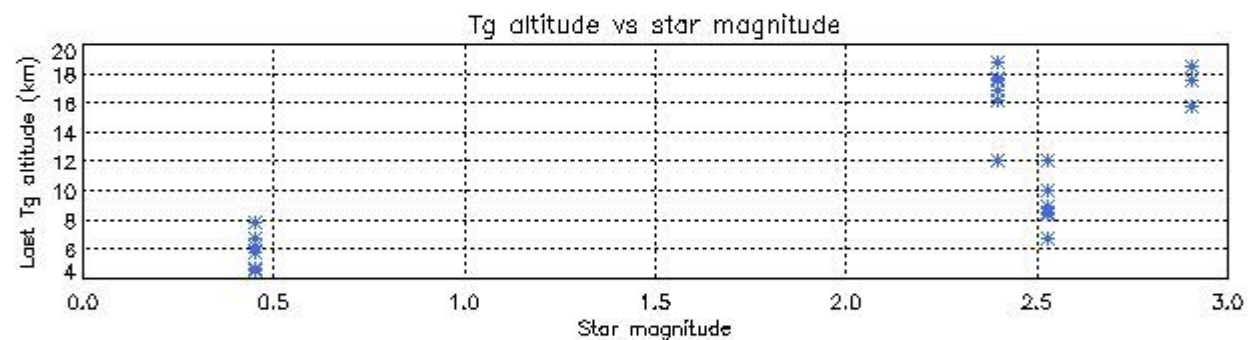
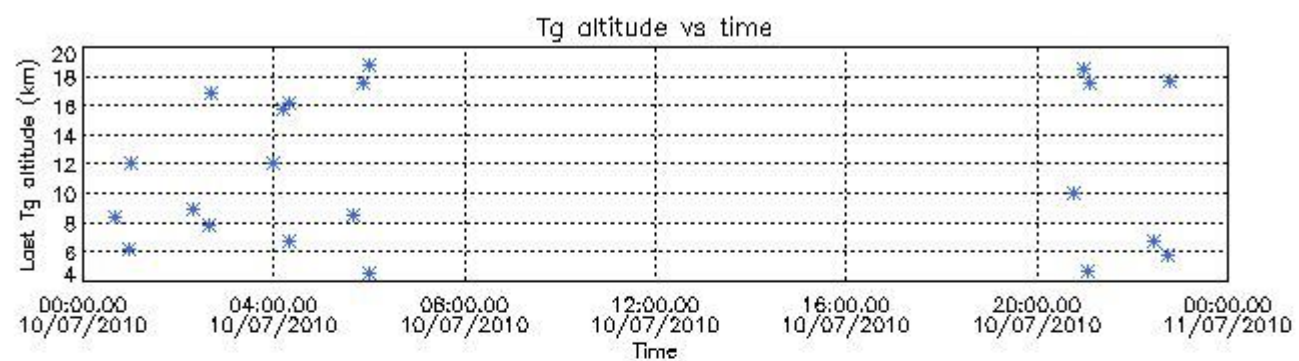
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	11.487	18.444	14.196
St. deviation:	5.1087	6.9089	0.61383
Maximum:	18.785	31.372	15.086
Minimum:	4.6015	3.7587	13.347
Number of data:	21.000	79.000	7.0000

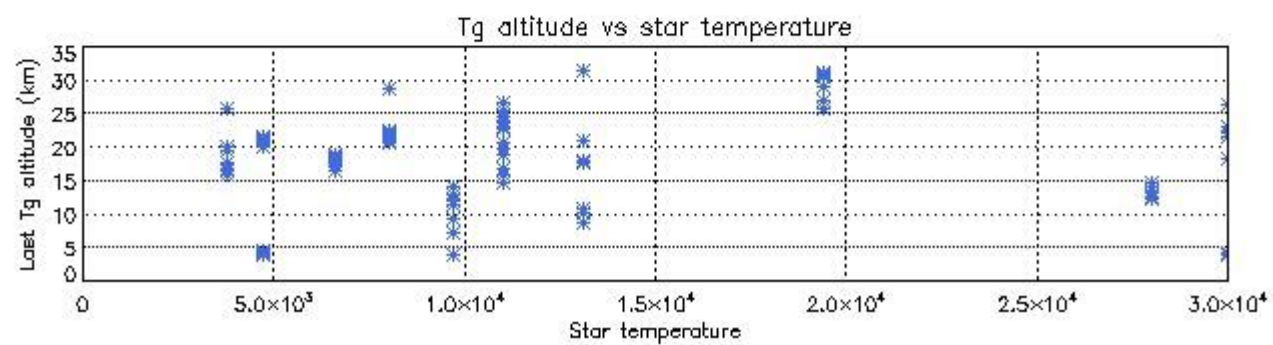
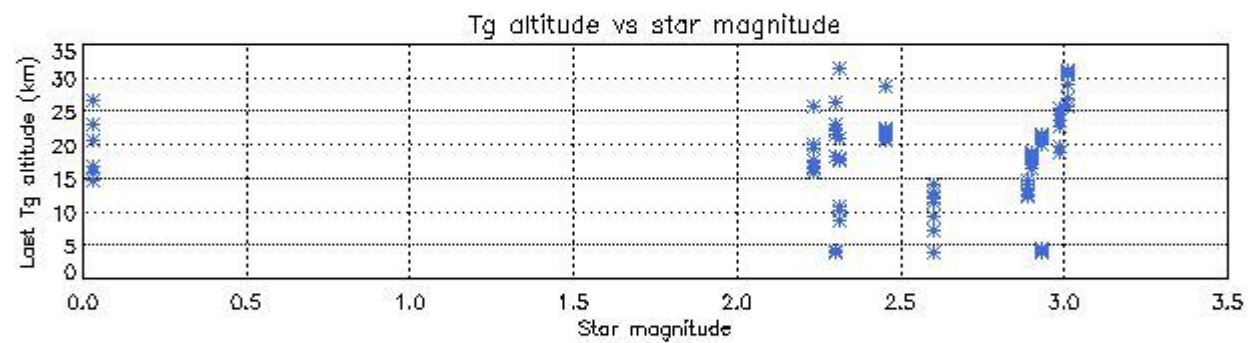
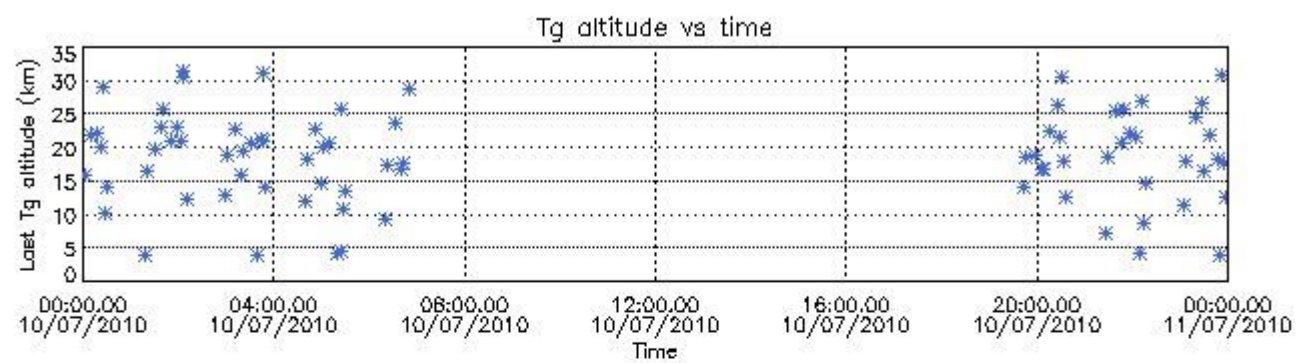
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



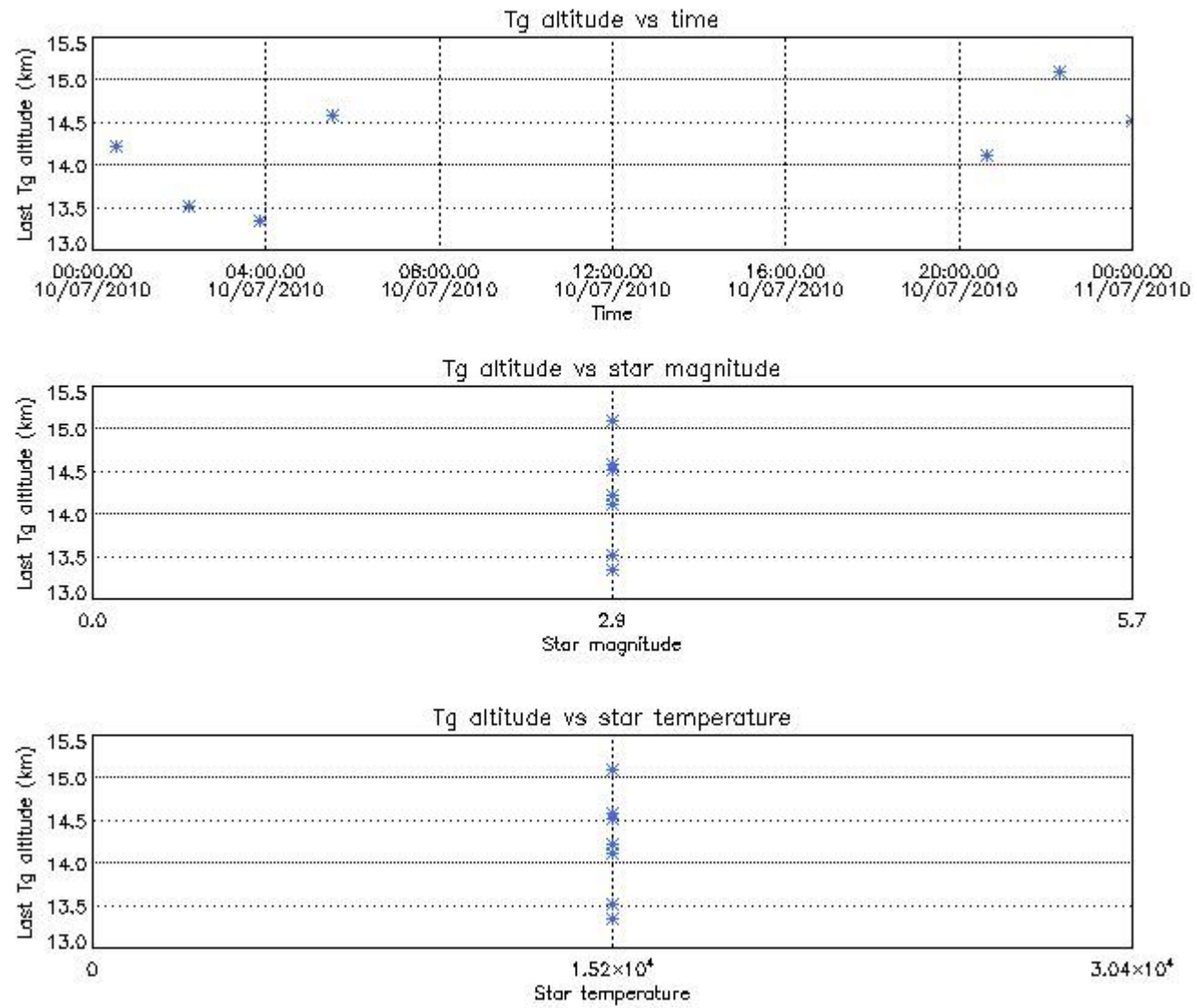
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

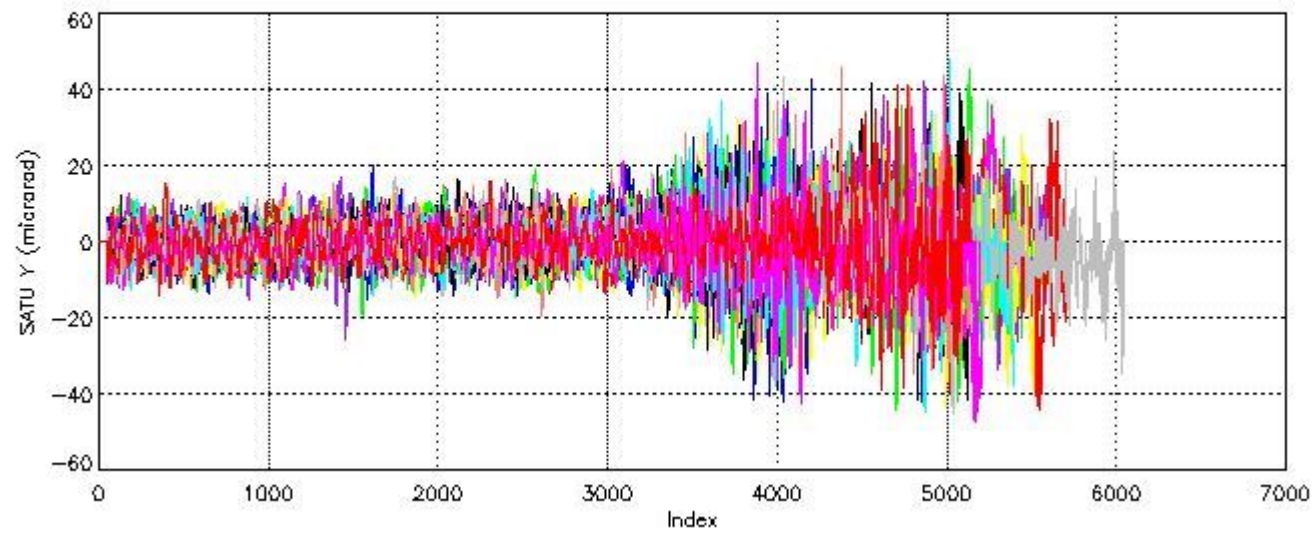
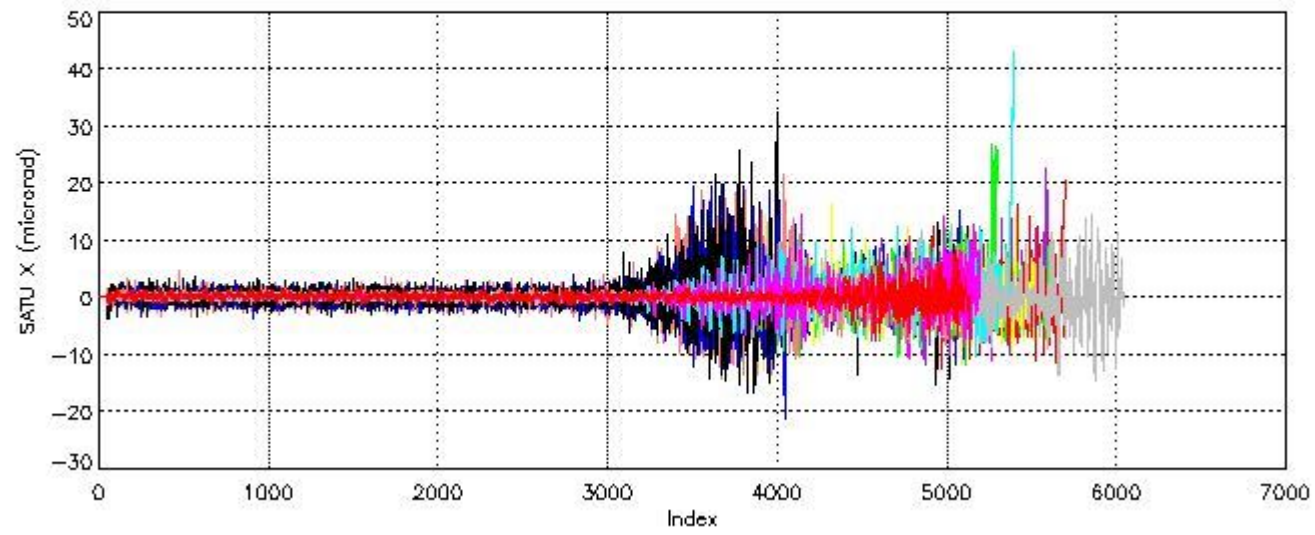


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.18556	-0.68635	0.19345	-0.55346
St. deviation:	0.44663	4.0662	0.92735	3.8387
Maximum:	4.7000	15.400	6.1000	19.100
Minimum:	-3.8000	-15.100	-5.8000	-19.500

Number of data:	21750.	21750.	76850.	76850.
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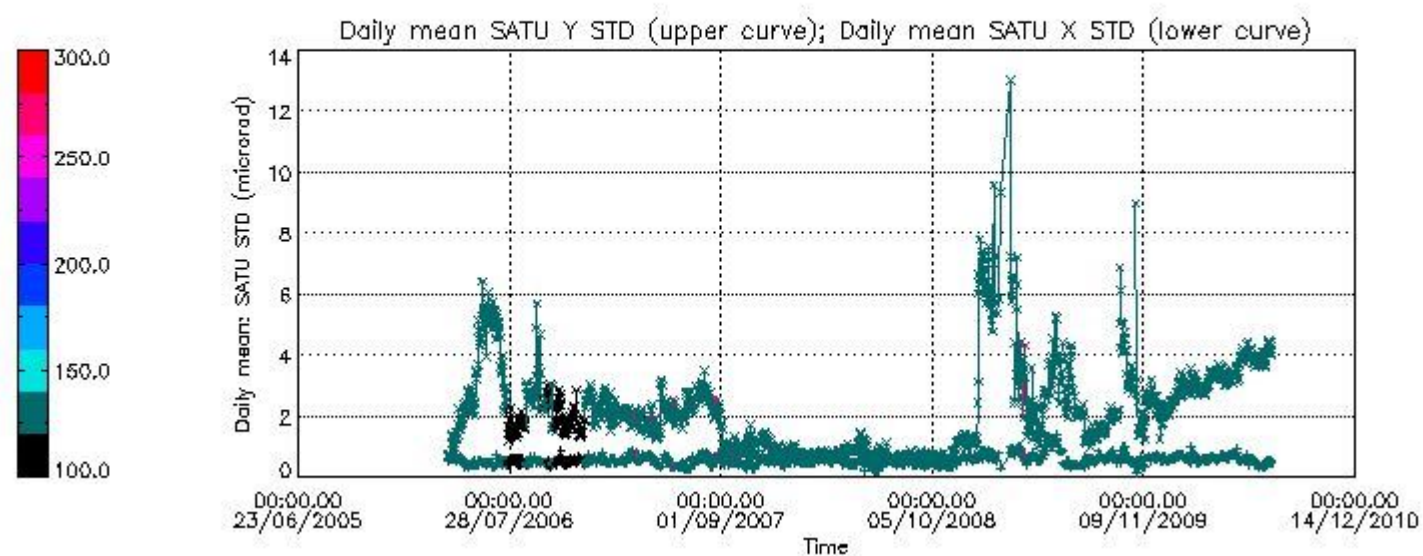
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

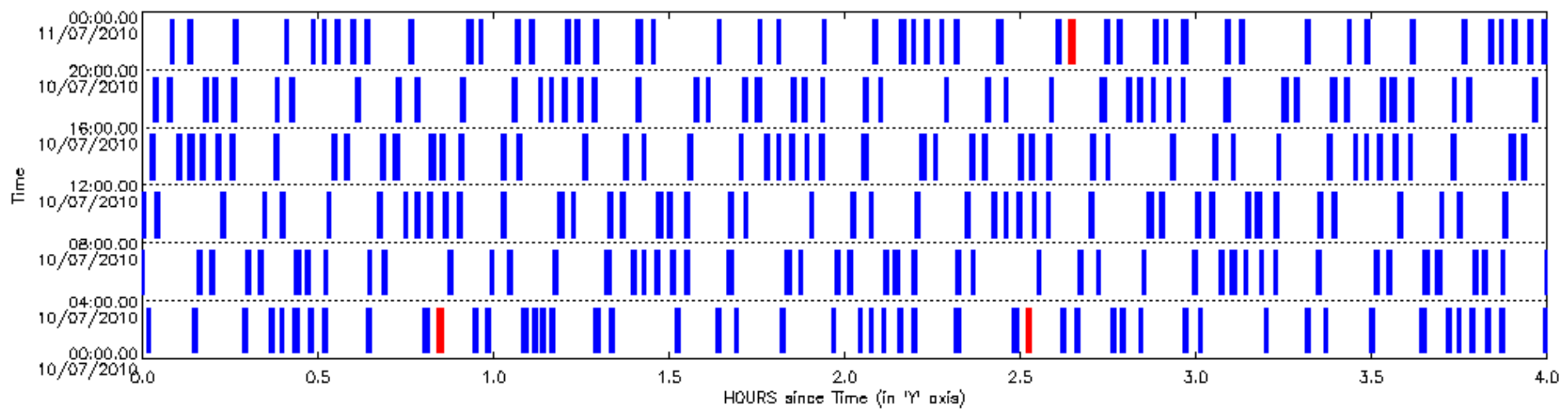
Lower curve: STD of SATU X axis

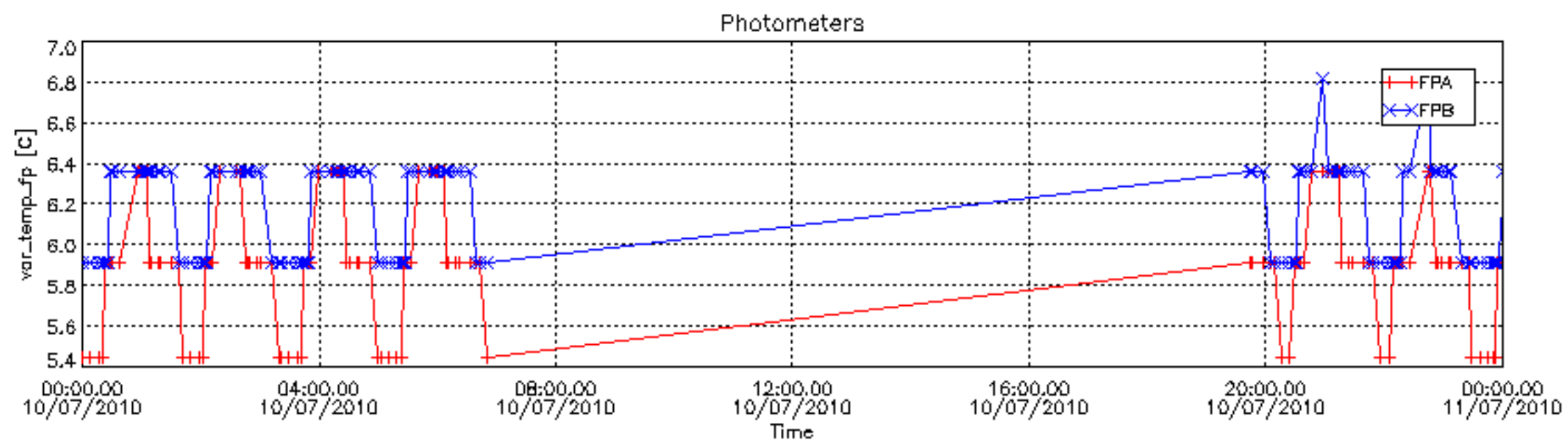
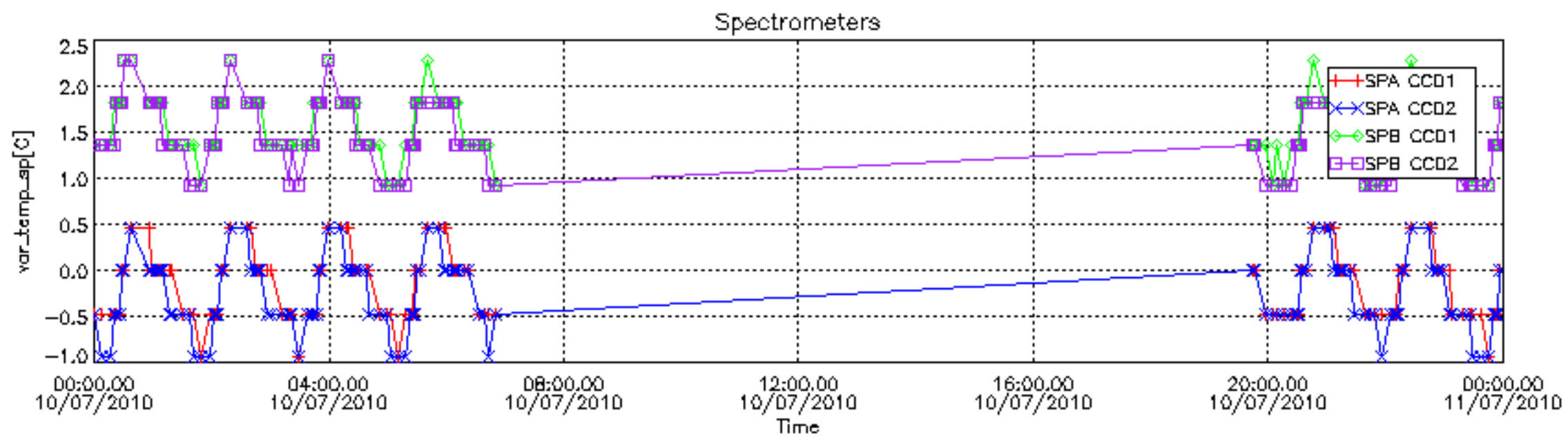


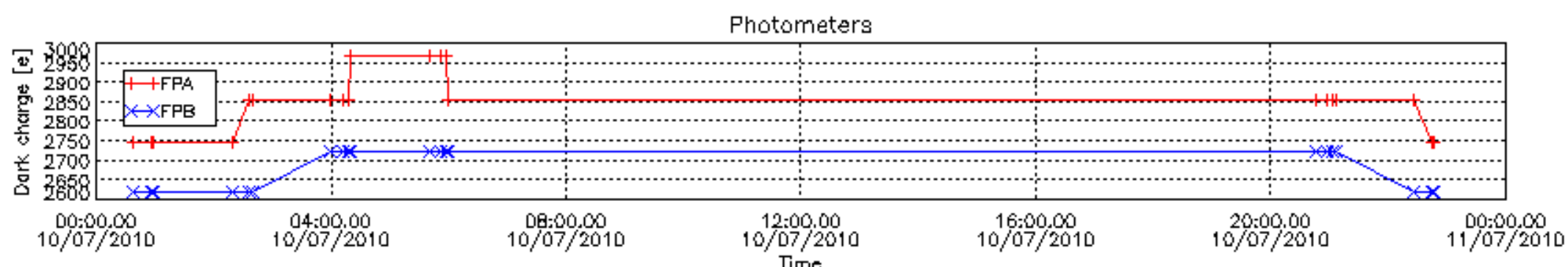
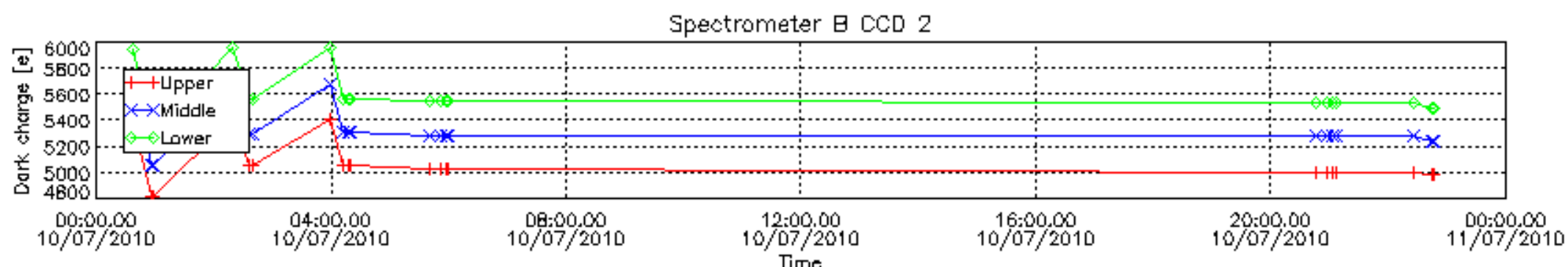
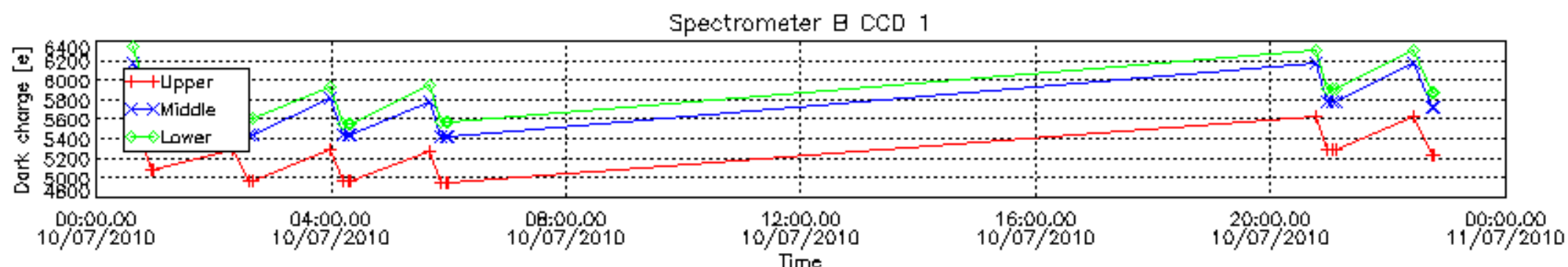
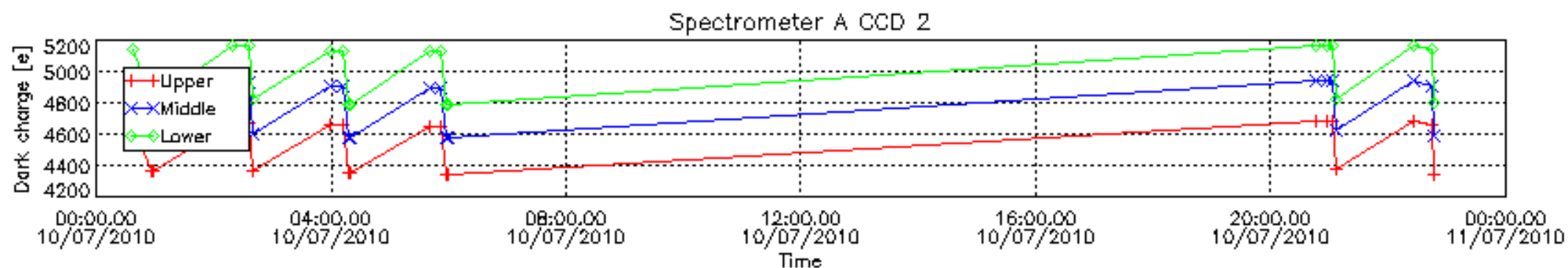
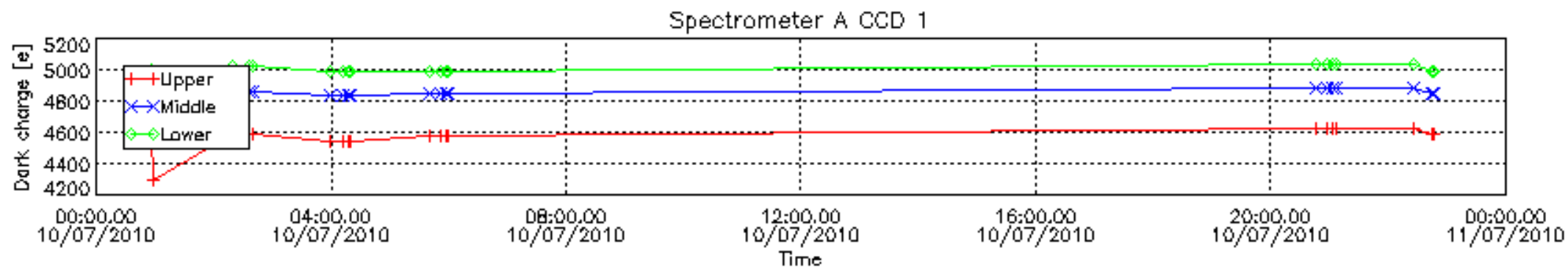
8. Auxiliary Data Files used for the production reported in section 2.4

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

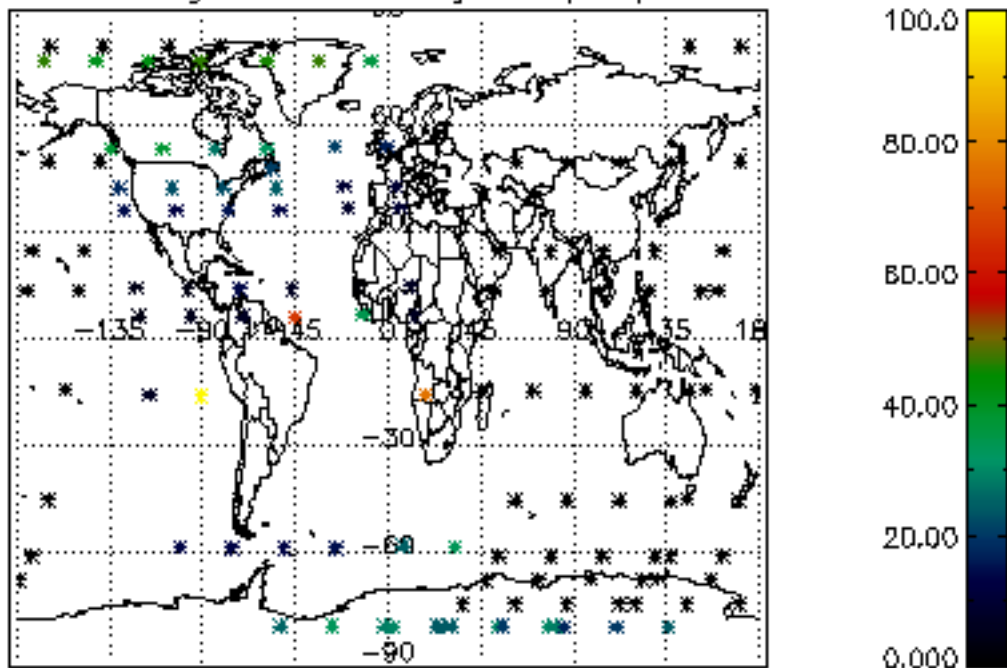
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	10-JUL-2010 00:00:34
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100706_092041_20100704_000000_20500101_000000	1	10-JUL-2010 00:00:34
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	10-JUL-2010 00:00:34
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	10-JUL-2010 00:00:34
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	10-JUL-2010 00:00:34
ECMWF_FILE	AUX_ECF_AXNECM20100709_054114_20100709_210000_20100710_090000	1	10-JUL-2010 00:00:34
ECMWF_FILE	AUX_ECF_AXNECM20100709_172119_20100710_030000_20100710_150000	40	10-JUL-2010 03:38:17
ECMWF_FILE	AUX_ECA_AXNECM20100710_052113_20100709_210000_20100710_090000	59	10-JUL-2010 05:18:52
ECMWF_FILE	AUX_ECA_AXNECM20100710_172113_20100710_090000_20100710_210000	78	10-JUL-2010 19:43:46
ECMWF_FILE	AUX_ECF_AXNECM20100710_054113_20100710_150000_20100711_030000	90	10-JUL-2010 20:45:23
ECMWF_FILE	AUX_ECF_AXNECM20100710_054113_20100710_210000_20100711_090000	110	10-JUL-2010 22:44:17
OPTIONAL_ECMWF_FILE	MISSING	1	10-JUL-2010 00:00:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100709_225901_000057382091_00058_43699_0715.N1	1	10-JUL-2010 00:00:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100710_003958_000054192091_00059_43700_0716.N1	10	10-JUL-2010 00:56:22
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100710_021536_000041442091_00060_43701_0717.N1	28	10-JUL-2010 02:18:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100710_032959_000060572091_00061_43702_0718.N1	40	10-JUL-2010 03:38:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100710_051615_000057382091_00062_43703_0719.N1	59	10-JUL-2010 05:18:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100710_193659_000035072091_00071_43712_0720.N1	78	10-JUL-2010 19:43:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100710_204044_000060572091_00071_43712_0721.N1	90	10-JUL-2010 20:45:23
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100710_222700_000057382091_00072_43713_0722.N1	110	10-JUL-2010 22:44:17



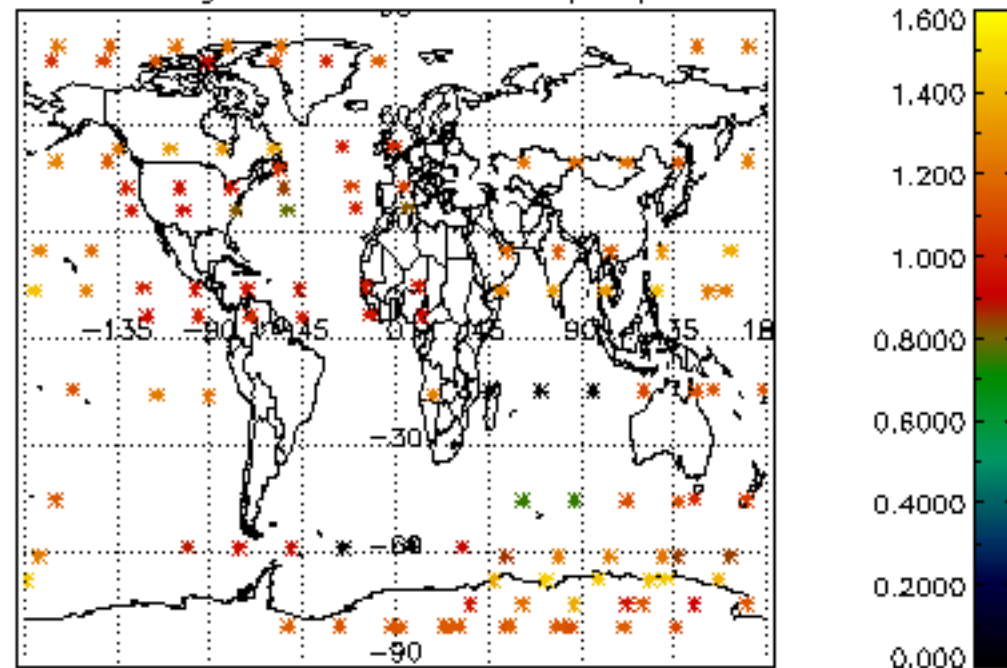




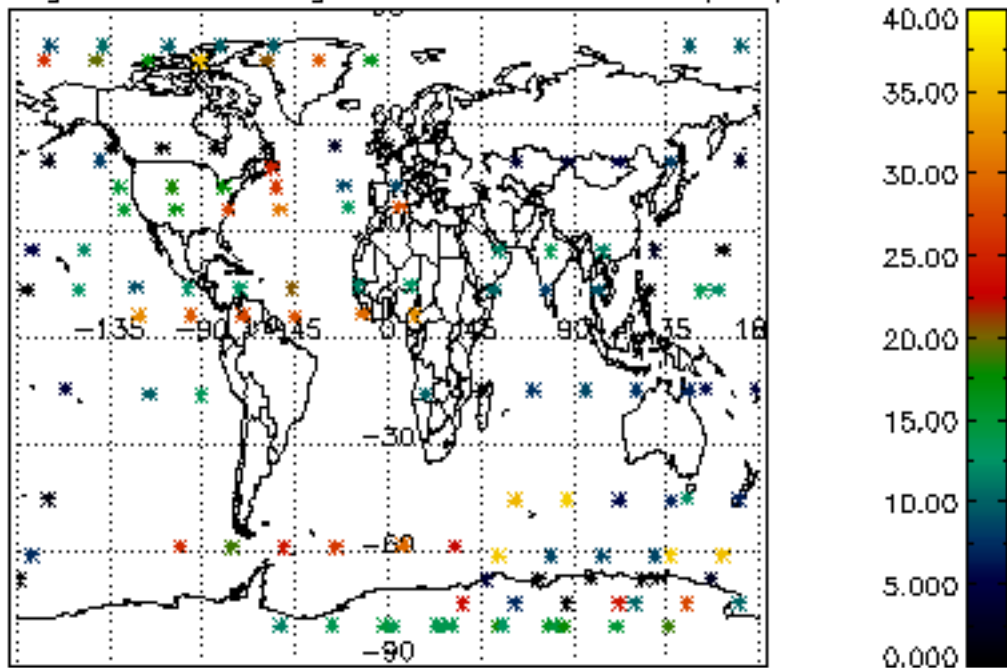
Percentage of cosmic ray hits per profile



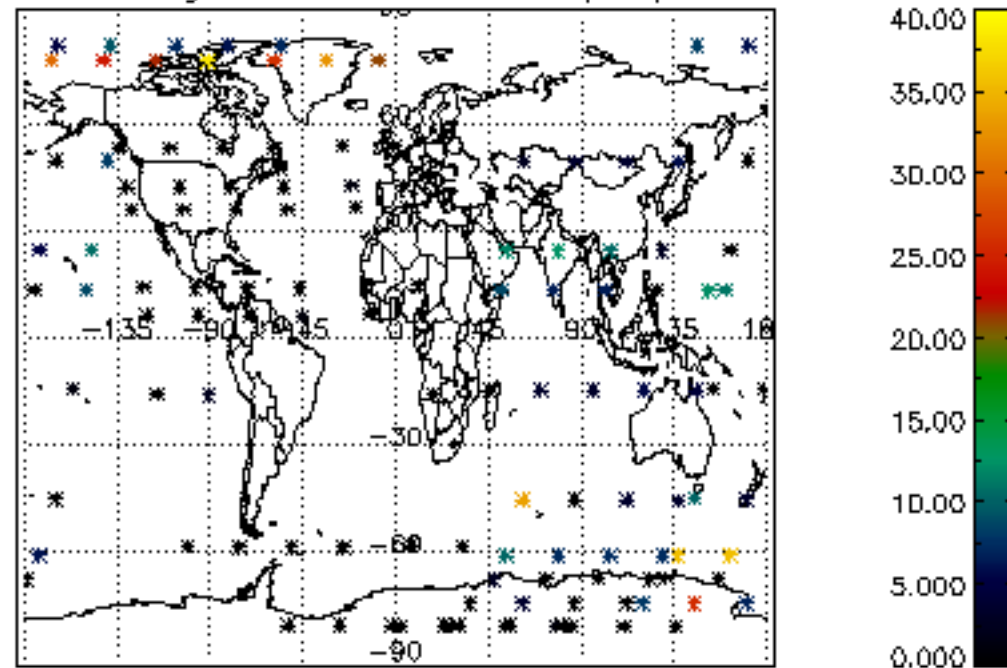
Percentage of datation errors per profile



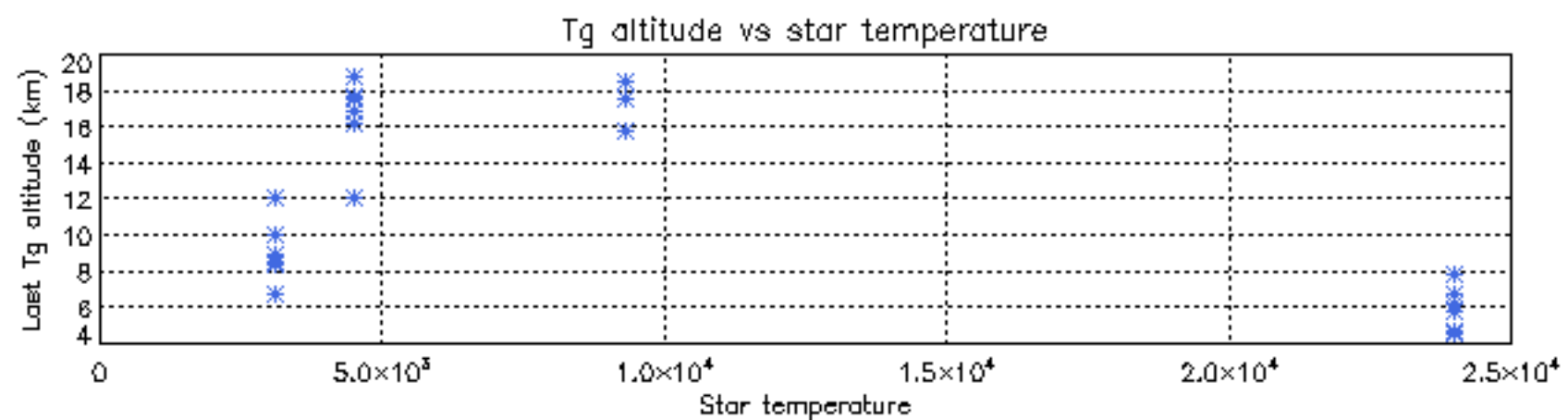
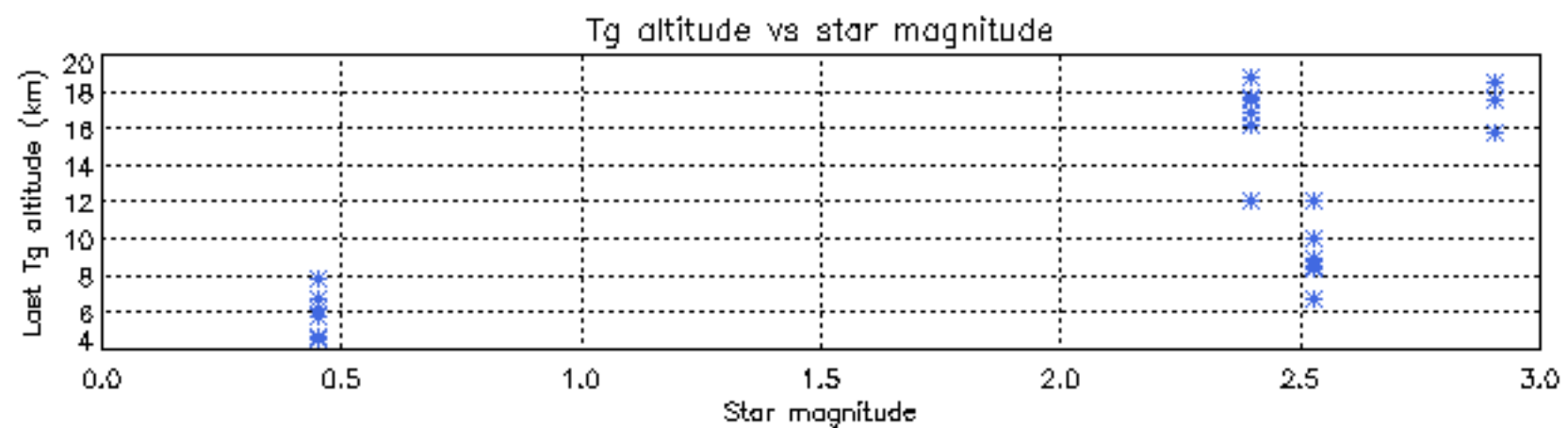
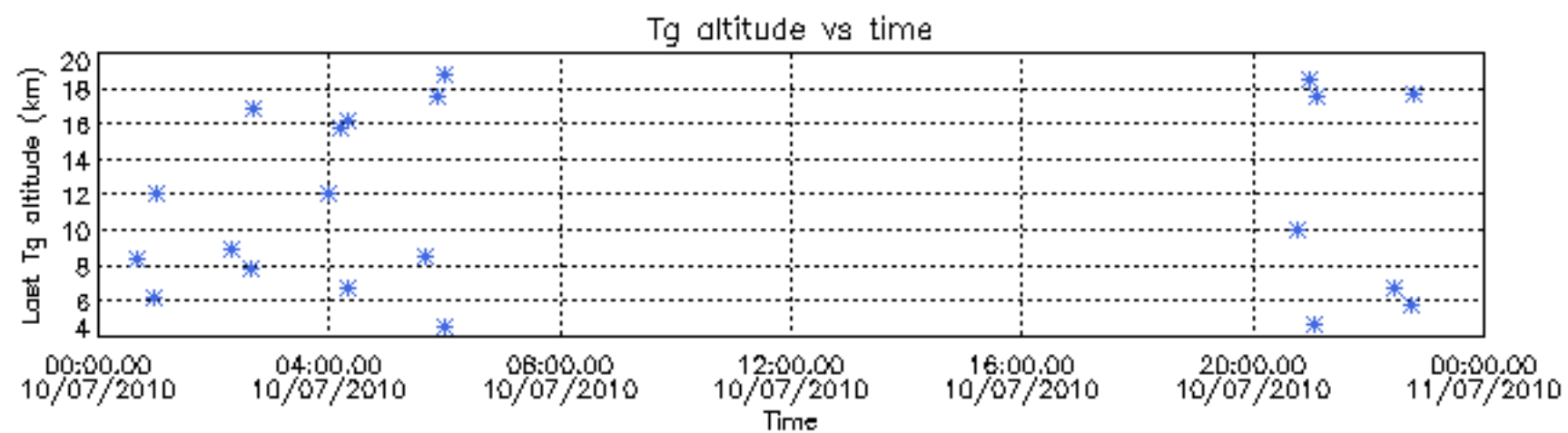
Percentage of star falling outside central band per profile



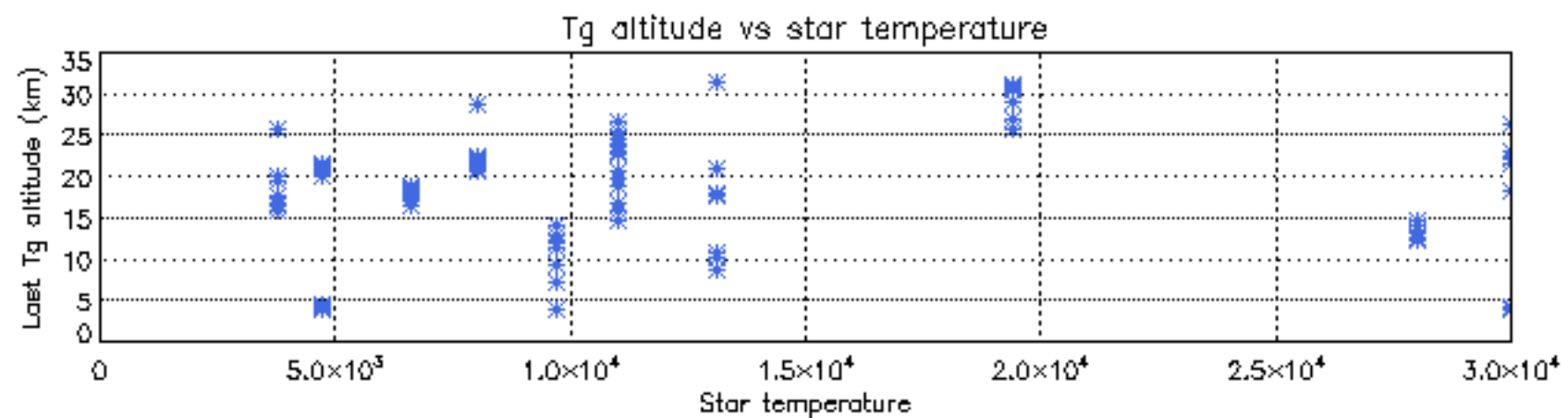
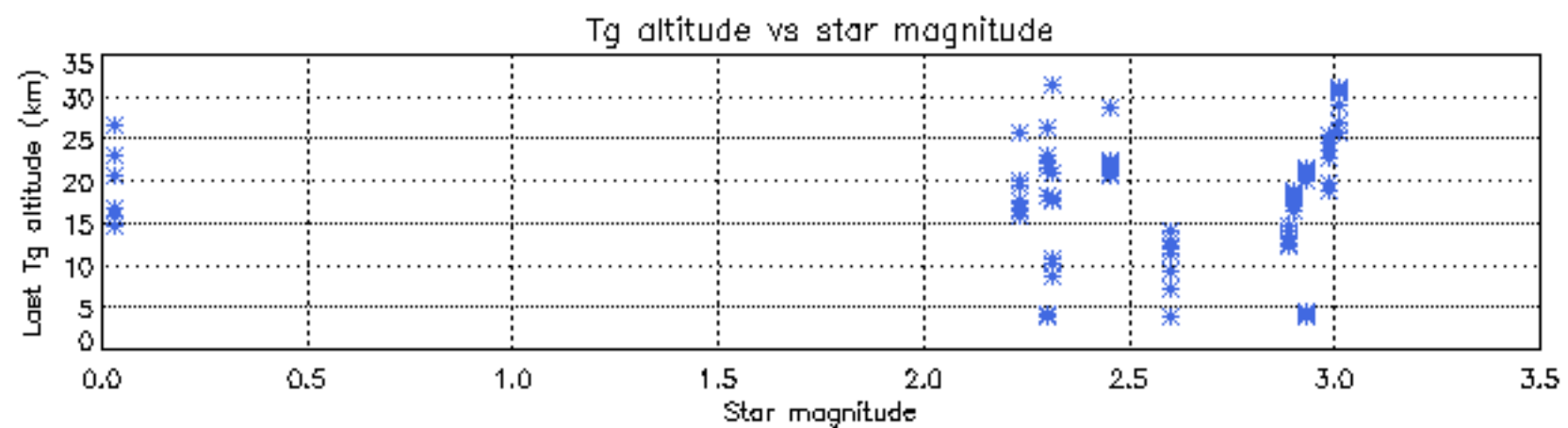
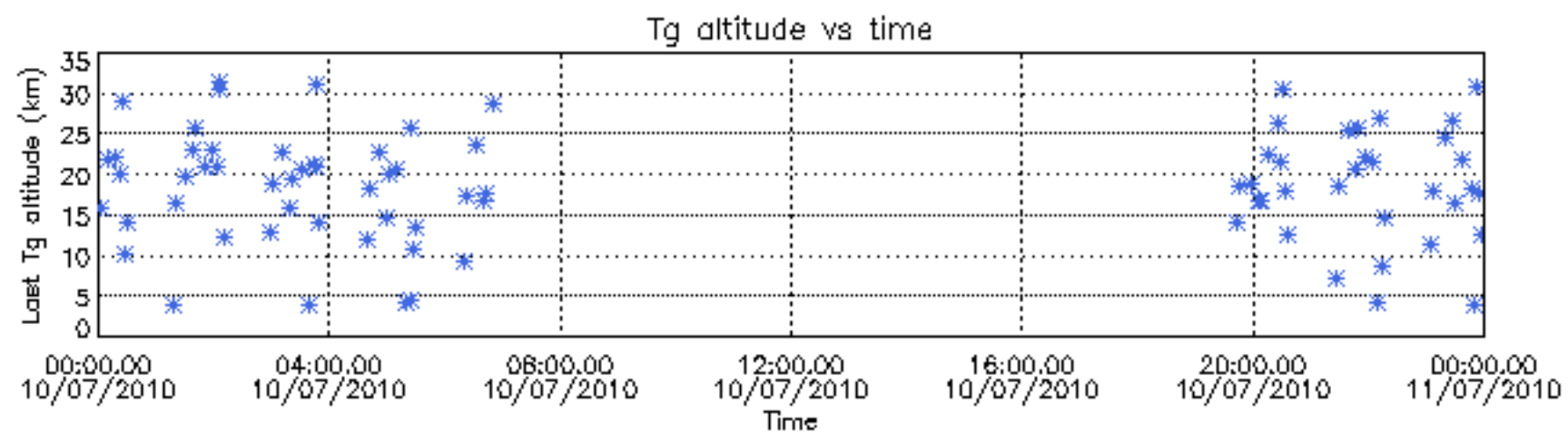
Percentage of saturation errors per profile



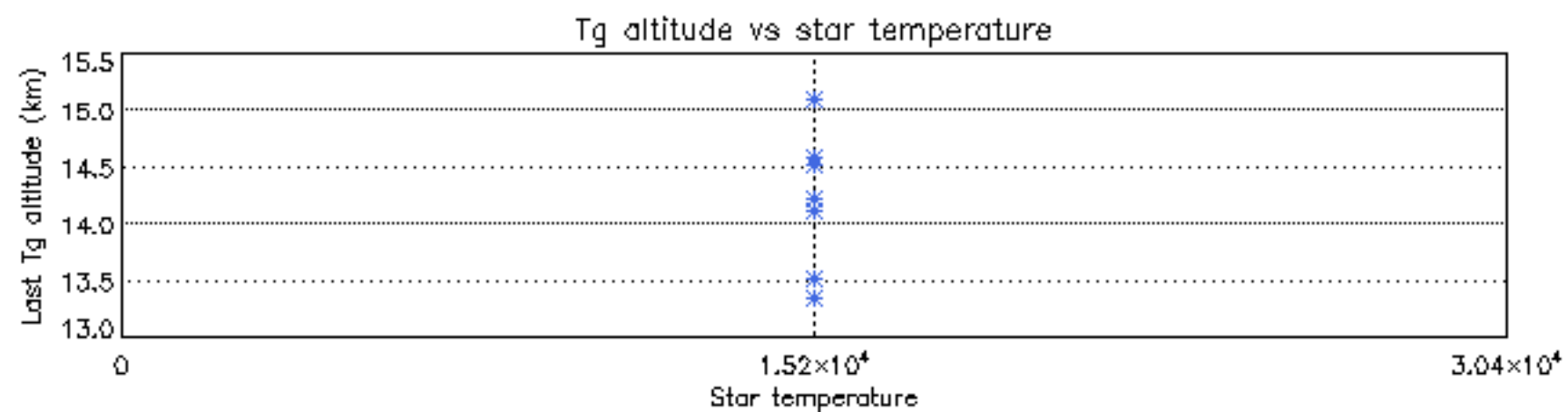
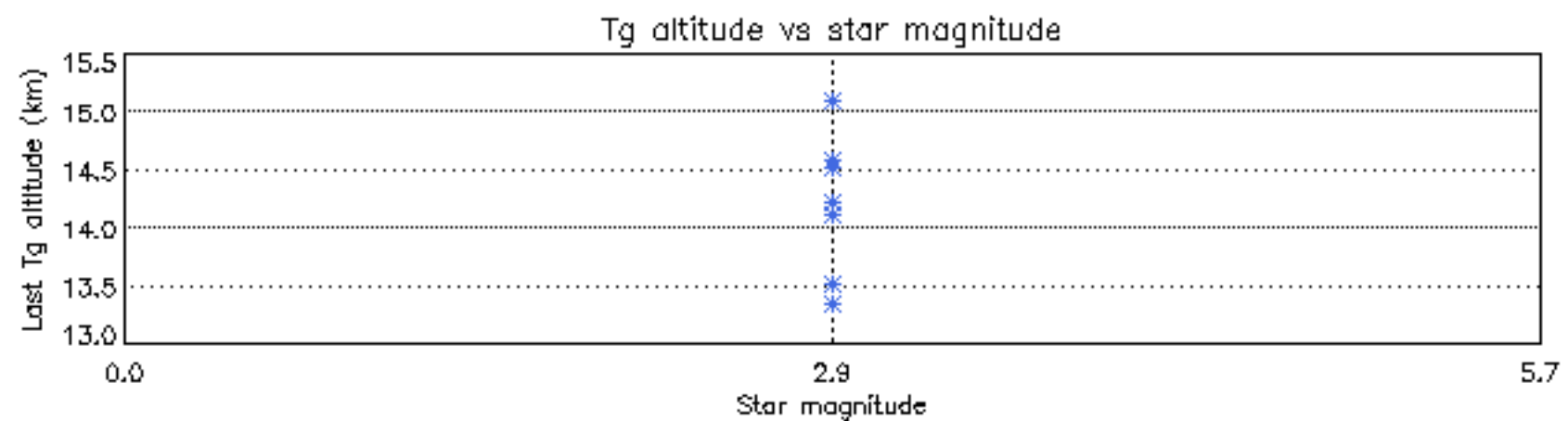
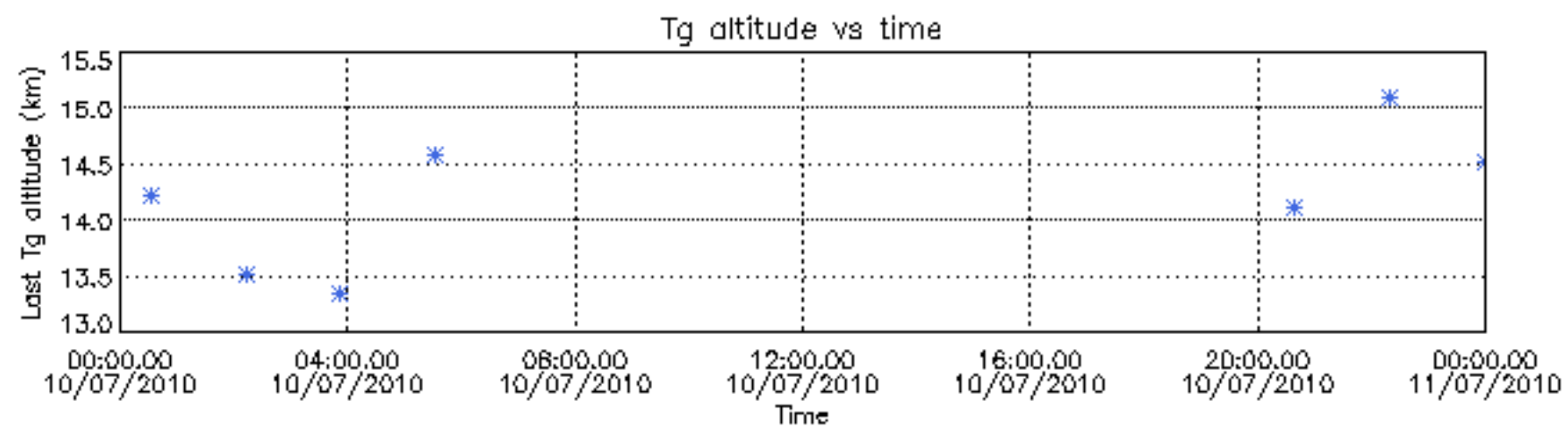
Tangent altitude at which the star is lost

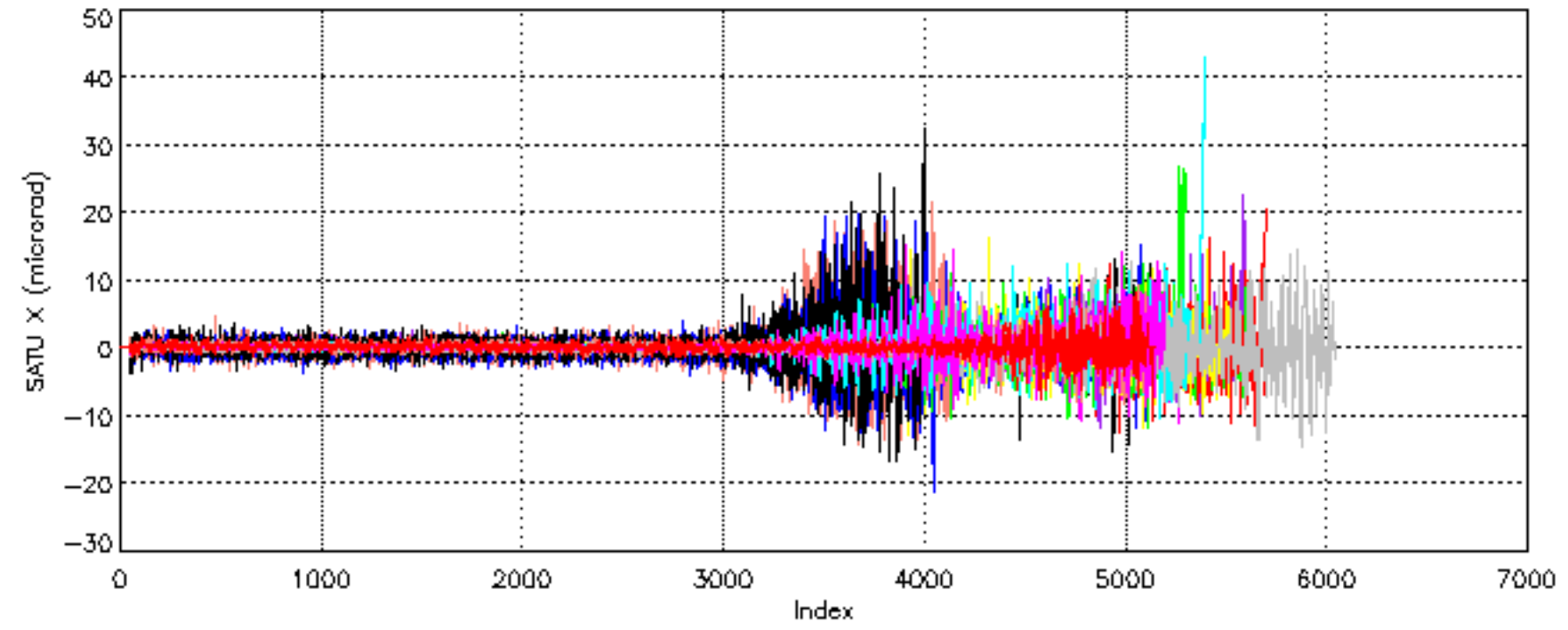


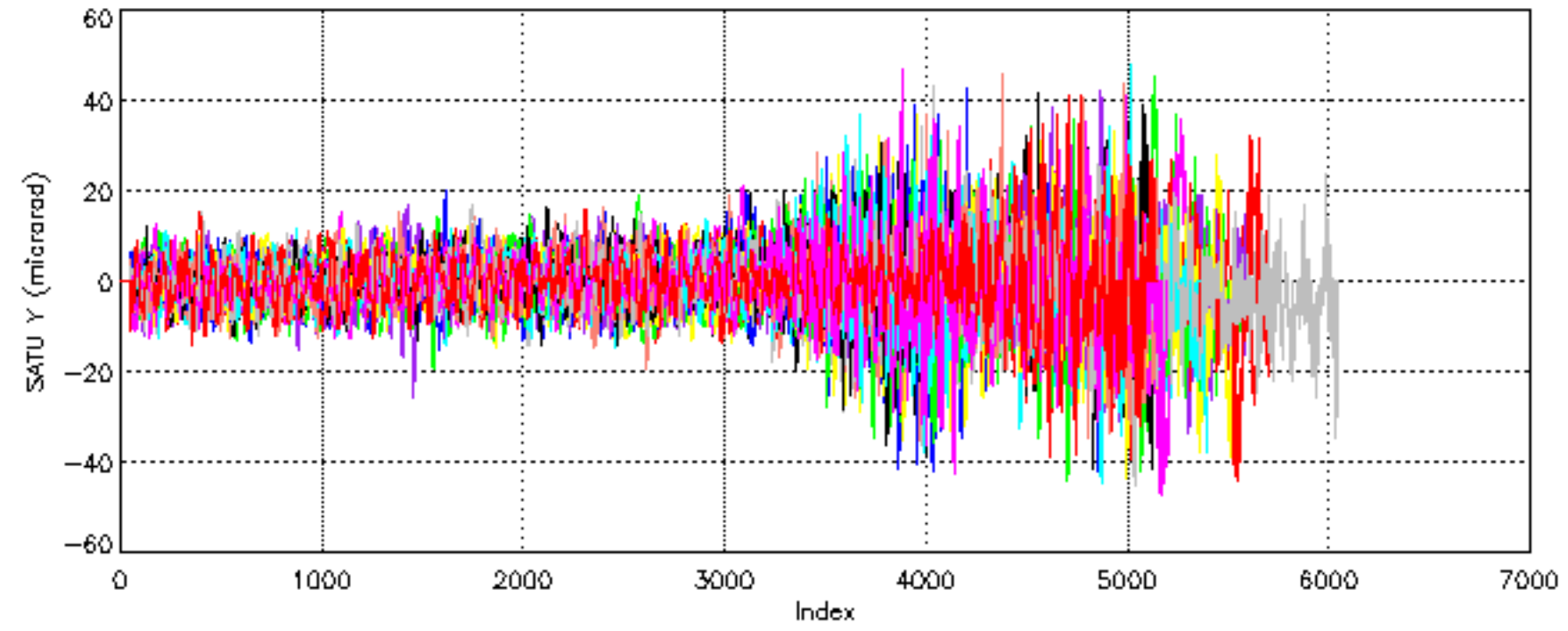
Tangent altitude at which the star is lost

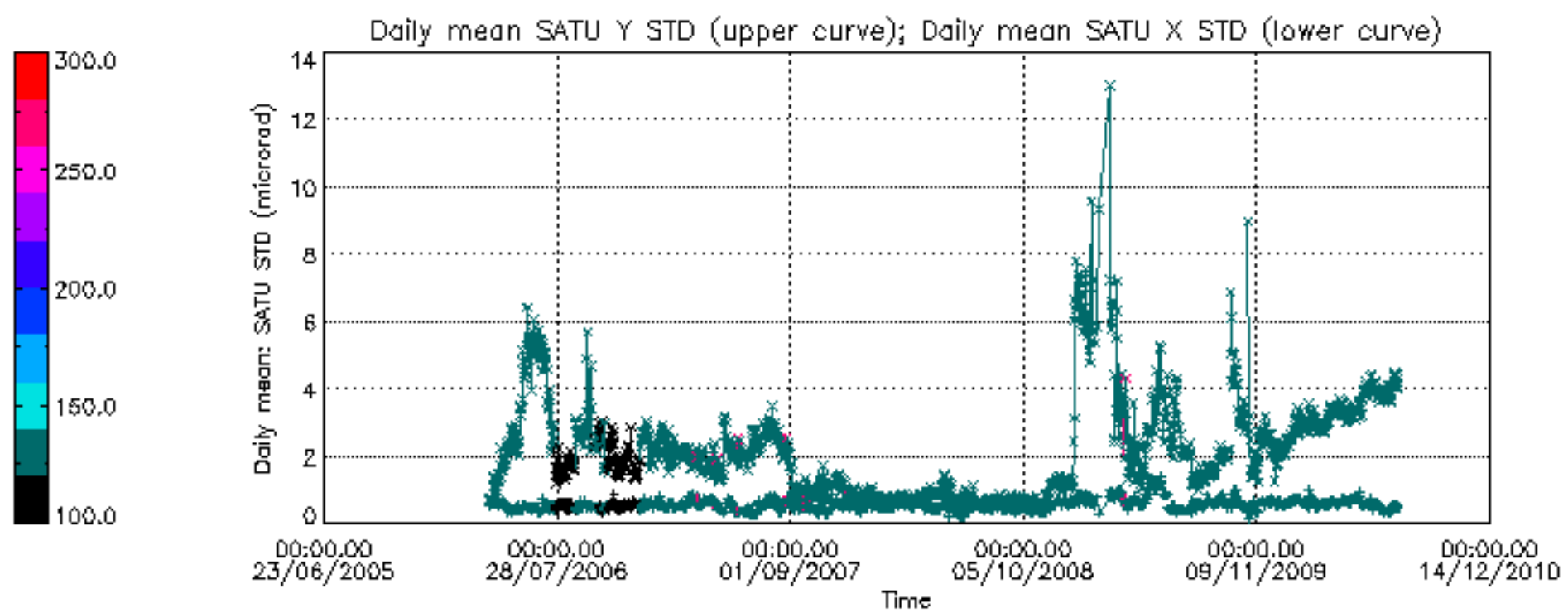


Tangent altitude at which the star is lost









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1; -536.4; 01-JUL-2010 00:28:28; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43571
 2; 94.6; 01-JUL-2010 00:38:59; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;43572
 3; 483.7; 01-JUL-2010 00:45:28; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;43572
 4; 600.1; 01-JUL-2010 00:47:24; Dark ; 47.0; 31; Alp Gru ; 1.73; 15200;occ; 94; 0;43572
 5; 743.9; 01-JUL-2010 00:49:48; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;43572
 6; 1314.0; 01-JUL-2010 00:59:18; Dark ; 49.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 98; 0;43572
 7; 1480.2; 01-JUL-2010 01:02:04; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;43572
 8; 1981.6; 01-JUL-2010 01:10:26; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;43572
 9; 2121.8; 01-JUL-2010 01:12:46; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;43572
 10; 2233.6; 01-JUL-2010 01:14:38; Bright; 47.5; 168; 17Zet Aql ; 2.99; 11000;occ; 95; 0;43572
 11; 2652.9; 01-JUL-2010 01:21:37; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;43572
 12; 2809.4; 01-JUL-2010 01:24:14; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;43572
 13; 2925.2; 01-JUL-2010 01:26:09; Bright; 40.0; 144; 18Del Cyg ; 2.86; 11000;occ; 80; 0;43572
 14; 3345.6; 01-JUL-2010 01:33:10; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;43572
 15; 3786.1; 01-JUL-2010 01:40:30; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;43572
 16; 3888.2; 01-JUL-2010 01:42:12; Bright; 50.0; 68; 18Alp Cas ; 2.22; 4500;occ; 100; 0;43572
 17; 4062.4; 01-JUL-2010 01:45:07; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;43572
 18; 4266.8; 01-JUL-2010 01:48:31; Bright; 46.0; 73; 57Gam1And ; 2.26; 13100;occ; 92; 0;43572
 19; 4424.1; 01-JUL-2010 01:51:08; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;43572
 20; 4678.5; 01-JUL-2010 01:55:23; Dark ; 60.5; 50; 13Alp Ari ; 2.01; 4250;occ; 121; 0;43572
 21; 4976.2; 01-JUL-2010 02:00:20; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;43572

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1; -535.5; 01-JUL-2010 02:09:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43572
 2; 95.3; 01-JUL-2010 02:19:35; Dark ; 58.0; 84; Alp Phe ; 2.40; 4500;occ; 116; 0;43573
 3; 484.4; 01-JUL-2010 02:26:04; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;43573
 4; 601.0; 01-JUL-2010 02:28:01; Dark ; 55.0; 31; Alp Gru ; 1.73; 15200;occ; 110; 0;43573
 5; 744.6; 01-JUL-2010 02:30:25; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;43573
 6; 1314.3; 01-JUL-2010 02:39:54; Dark ; 46.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 93; 0;43573
 7; 1480.5; 01-JUL-2010 02:42:41; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;43573
 8; 1982.0; 01-JUL-2010 02:51:02; Bright; 37.0; 126; 60Bet Oph ; 2.77; 4250;occ; 74; 0;43573
 9; 2121.7; 01-JUL-2010 02:53:22; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;43573
 10; 2233.3; 01-JUL-2010 02:55:13; Bright; 49.5; 168; 17Zet Aql ; 2.99; 11000;occ; 99; 0;43573
 11; 2652.5; 01-JUL-2010 03:02:13; Bright; 41.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 83; 0;43573
 12; 2809.3; 01-JUL-2010 03:04:49; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;43573
 13; 2924.7; 01-JUL-2010 03:06:45; Bright; 40.0; 144; 18Del Cyg ; 2.86; 11000;occ; 80; 0;43573
 14; 3344.9; 01-JUL-2010 03:13:45; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;43573

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1;-2250.0; 01-JUL-2010 03:21:06; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;43573
 2;-2148.4; 01-JUL-2010 03:22:48; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;43573
 3;-1973.6; 01-JUL-2010 03:25:42; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;43573
 4;-1769.2; 01-JUL-2010 03:29:07; Bright; 65.0; 73; 57Gam1And ; 2.26; 13100;occ; 130; 0;43573
 5;-1611.6; 01-JUL-2010 03:31:44; Dark ; 50.5; 173; 4Bet Tri ; 3.00; 8900;occ; 101; 0;43573
 6;-1357.0; 01-JUL-2010 03:35:59; Dark ; 59.0; 50; 13Alp Ari ; 2.01; 4250;occ; 118; 0;43573
 7;-1059.7; 01-JUL-2010 03:40:56; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;43573
 8; -534.6; 01-JUL-2010 03:49:41; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43573
 9; 96.5; 01-JUL-2010 04:00:13; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;43574
 10; 485.6; 01-JUL-2010 04:06:42; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;43574
 11; 602.3; 01-JUL-2010 04:08:38; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43574
 12; 744.8; 01-JUL-2010 04:11:01; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43574
 13; 1314.7; 01-JUL-2010 04:20:31; Dark ; 45.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 90; 0;43574
 14; 1388.9; 01-JUL-2010 04:21:45; Bright; 45.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 90; 0;43574
 15; 1480.4; 01-JUL-2010 04:23:16; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;43574
 16; 1981.9; 01-JUL-2010 04:31:38; Bright; 37.0; 126; 60Bet Oph ; 2.77; 4250;occ; 74; 0;43574
 17; 2121.8; 01-JUL-2010 04:33:58; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;43574
 18; 2232.8; 01-JUL-2010 04:35:49; Bright; 48.5; 168; 17Zet Aql ; 2.99; 11000;occ; 97; 0;43574
 19; 2652.2; 01-JUL-2010 04:42:48; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;43574
 20; 2809.2; 01-JUL-2010 04:45:25; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;43574
 21; 2923.6; 01-JUL-2010 04:47:20; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;43574
 22; 3344.5; 01-JUL-2010 04:54:21; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;43574

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1;-2250.4; 01-JUL-2010 05:01:42; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;43574
 2;-2148.9; 01-JUL-2010 05:03:23; Bright; 69.0; 68; 18Alp Cas ; 2.22; 4500;occ; 138; 0;43574
 3;-1973.4; 01-JUL-2010 05:06:19; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;43574
 4;-1769.5; 01-JUL-2010 05:09:43; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;43574
 5;-1611.5; 01-JUL-2010 05:12:21; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;43574
 6;-1356.8; 01-JUL-2010 05:16:35; Dark ; 58.0; 50; 13Alp Ari ; 2.01; 4250;occ; 116; 0;43574
 7;-1059.1; 01-JUL-2010 05:21:33; Dark ; 44.5; 94; 92Alp Cet ; 2.53; 3100;occ; 89; 0;43574

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8; -533.7; 01-JUL-2010 05:30:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43574
9; 97.7; 01-JUL-2010 05:40:50; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;43575
10; 486.8; 01-JUL-2010 05:47:19; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;43575
11; 602.8; 01-JUL-2010 05:49:15; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;43575
12; 745.4; 01-JUL-2010 05:51:37; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43575
13; 1314.8; 01-JUL-2010 06:01:07; Dark ; 45.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 91; 0;43575
14; 1389.0; 01-JUL-2010 06:02:21; Bright; 44.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 89; 0;43575
15; 1480.9; 01-JUL-2010 06:03:53; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;43575
16; 1982.2; 01-JUL-2010 06:12:14; Bright; 37.0; 126; 60Bet Oph ; 2.77; 4250;occ; 74; 0;43575
17; 2121.9; 01-JUL-2010 06:14:34; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;43575
18; 2232.3; 01-JUL-2010 06:16:24; Bright; 48.0; 168; 17Zet Aql ; 2.99; 11000;occ; 96; 0;43575
19; 2651.8; 01-JUL-2010 06:23:24; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;43575
20; 2808.8; 01-JUL-2010 06:26:01; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;43575
21; 2923.1; 01-JUL-2010 06:27:55; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;43575
22; 3343.8; 01-JUL-2010 06:34:56; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;43575
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2; -2149.1; 01-JUL-2010 06:43:59; Bright; 51.0; 68; 18Alp Cas ; 2.22; 4500;occ; 102; 0;43575
3; -1973.8; 01-JUL-2010 06:46:54; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;43575
4; -1769.3; 01-JUL-2010 06:50:19; Bright; 51.5; 73; 57Gam1And ; 2.26; 13100;occ; 103; 0;43575
5; -1611.1; 01-JUL-2010 06:52:57; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;43575
6; -1356.0; 01-JUL-2010 06:57:12; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;43575
7; -1058.6; 01-JUL-2010 07:02:09; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;43575
8; -532.8; 01-JUL-2010 07:10:55; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43575
9; 98.8; 01-JUL-2010 07:21:27; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;43576
10; 487.4; 01-JUL-2010 07:27:55; Dark ; 65.0; 63; Bet Gru ; 2.15; 2800;occ; 130; 0;43576
11; 604.0; 01-JUL-2010 07:29:52; Dark ; 59.5; 31; Alp Gru ; 1.73; 15200;occ; 119; 0;43576
12; 745.9; 01-JUL-2010 07:32:14; Dark ; 49.0; 45; Alp Pav ; 1.94; 26000;occ; 98; 0;43576
13; 1315.1; 01-JUL-2010 07:41:43; Dark ; 48.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 97; 0;43576
14; 1389.2; 01-JUL-2010 07:42:57; Bright; 44.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 88; 0;43576
15; 1481.1; 01-JUL-2010 07:44:29; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;43576
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2; 2122.1; 01-JUL-2010 07:55:10; Bright; 54.0; 59; 55Alp Oph ; 2.08; 8900;occ; 108; 0;43576
3; 2231.8; 01-JUL-2010 07:57:00; Bright; 48.5; 168; 17Zet Aql ; 2.99; 11000;occ; 97; 0;43576
4; 2651.5; 01-JUL-2010 08:03:59; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;43576
5; 2808.8; 01-JUL-2010 08:06:37; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;43576
6; 2921.8; 01-JUL-2010 08:08:30; Bright; 49.0; 144; 18Del Cyg ; 2.86; 11000;occ; 98; 0;43576
7; 3343.1; 01-JUL-2010 08:15:31; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;43576
8; 3784.4; 01-JUL-2010 08:22:52; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;43576
9; 3876.7; 01-JUL-2010 08:24:25; Bright; 43.5; 110; 37Del Cas ; 2.68; 8900;occ; 87; 0;43576
10; 4062.2; 01-JUL-2010 08:27:30; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;43576
11; 4165.5; 01-JUL-2010 08:29:14; Bright; 34.0; 175; 39Del Per ; 3.01; 19400;occ; 68; 0;43576
12; 4266.5; 01-JUL-2010 08:30:54; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;43576
13; 4424.9; 01-JUL-2010 08:33:33; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;43576
14; 4679.9; 01-JUL-2010 08:37:48; Dark ; 59.0; 50; 13Alp Ari ; 2.01; 4250;occ; 118; 0;43576
15; 4978.0; 01-JUL-2010 08:42:46; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;43576
16; 5504.0; 01-JUL-2010 08:51:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43576
17; 6135.8; 01-JUL-2010 09:02:04; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;43577
18; 6524.4; 01-JUL-2010 09:08:32; Dark ; 64.0; 63; Bet Gru ; 2.15; 2800;occ; 128; 0;43577
19; 6640.2; 01-JUL-2010 09:10:28; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43577
20; 6782.3; 01-JUL-2010 09:12:50; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43577
21; 7351.5; 01-JUL-2010 09:22:20; Dark ; 46.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 93; 0;43577
22; 7425.5; 01-JUL-2010 09:23:34; Bright; 48.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 96; 0;43577
23; 7516.9; 01-JUL-2010 09:25:05; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;43577
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4; 2914.8; 01-JUL-2010 21:33:10; Bright; 49.0; 144; 18Del Cyg ; 2.86; 11000;occ; 98; 0;43584
5; 3132.5; 01-JUL-2010 21:36:48; Bright; 55.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 111; 0;43584
6; 3337.8; 01-JUL-2010 21:40:13; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;43584
7; 3780.4; 01-JUL-2010 21:47:36; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;43584
8; 3874.3; 01-JUL-2010 21:49:10; Bright; 40.5; 110; 37Del Cas ; 2.68; 8900;occ; 81; 0;43584
9; 4265.9; 01-JUL-2010 21:55:41; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;43584
10; 4419.5; 01-JUL-2010 21:58:15; Dark ; 72.5; 53; 43Bet And ; 2.05; 3300;occ; 145; 0;43584
11; 4682.4; 01-JUL-2010 22:02:38; Dark ; 58.0; 50; 13Alp Ari ; 2.01; 4250;occ; 116; 0;43584
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2; -153.9; 01-JUL-2010 22:22:37; Dark ; 91.0; 52; 16Bet Cet ; 2.04; 4500;occ; 182; 0;43584
3; 107.7; 01-JUL-2010 22:26:59; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;43585
4; 496.2; 01-JUL-2010 22:33:28; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;43585
5; 596.3; 01-JUL-2010 22:35:08; Dark ; 75.5; 18; 24Alp PsA ; 1.17; 9700;occ; 151; 0;43585
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7; 2226.5; 01-JUL-2010 23:02:18; Bright; 50.0; 168; 17Zet Aql ; 2.99; 11000;occ; 100; 0;43585
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5; 622.6; 02-JUL-2010 23:44:33; Dark ; 77.5; 18; 24Alp PsA ; 1.17; 9700;occ; 155; 0;43600
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 3; 185.2; 07-JUL-2010 00:51:59; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;43658
 4; 565.1; 07-JUL-2010 00:58:19; Dark ; 63.5; 63; Bet Gru ; 2.15; 2800;occ; 127; 0;43658
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 6; 859.4; 07-JUL-2010 01:03:14; Dark ; 54.0; 172; Gam Gru ; 3.00; 13100;occ; 108; 0;43658
 7; 2193.7; 07-JUL-2010 01:25:28; Bright; 44.0; 168; 17Zet Aql ; 2.99; 11000;occ; 88; 0;43658
 8; 2616.5; 07-JUL-2010 01:32:31; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;43658
 9; 2856.6; 07-JUL-2010 01:36:31; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;43658
 10; 3045.6; 07-JUL-2010 01:39:40; Bright; 81.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 162; 0;43658
 11; 3288.6; 07-JUL-2010 01:43:43; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;43658
 12; 3738.8; 07-JUL-2010 01:51:13; Bright; 50.5; 74; 11Bet Cas ; 2.27; 6600;occ; 101; 0;43658
 13; 3850.2; 07-JUL-2010 01:53:04; Bright; 45.0; 110; 37Del Cas ; 2.68; 8900;occ; 90; 0;43658
 14; 4259.3; 07-JUL-2010 01:59:53; Bright; 52.0; 73; 57Gam1And ; 2.26; 13100;occ; 104; 0;43658
 15; 4418.8; 07-JUL-2010 02:02:33; Dark ; 77.0; 53; 43Bet And ; 2.05; 3300;occ; 154; 0;43658
 16; 4710.9; 07-JUL-2010 02:07:25; Dark ; 66.5; 50; 13Alp Ari ; 2.01; 4250;occ; 133; 0;43658
 17; 5017.2; 07-JUL-2010 02:12:31; Dark ; 55.0; 94; 92Alp Cet ; 2.53; 3100;occ; 110; 0;43658

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 3; 186.6; 07-JUL-2010 02:32:37; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;43659
 4; 566.1; 07-JUL-2010 02:38:56; Dark ; 65.5; 63; Bet Gru ; 2.15; 2800;occ; 131; 0;43659
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 6; 860.6; 07-JUL-2010 02:43:51; Dark ; 54.5; 172; Gam Gru ; 3.00; 13100;occ; 109; 0;43659
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 8; 2855.7; 07-JUL-2010 03:17:06; Bright; 46.5; 144; 18Del Cyg ; 2.86; 11000;occ; 93; 0;43659
 9; 3044.4; 07-JUL-2010 03:20:14; Bright; 51.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 102; 0;43659
 10; 3288.0; 07-JUL-2010 03:24:18; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;43659

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 2; -2185.9; 07-JUL-2010 03:33:40; Bright; 42.5; 110; 37Del Cas ; 2.68; 8900;occ; 85; 0;43659

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4;-1617.2; 07-JUL-2010 03:43:09; Dark ; 77.0; 53; 43Bet And ; 2.05; 3300;occ; 154; 0;43659
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7; -451.5; 07-JUL-2010 04:02:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43659
8; 0.5; 07-JUL-2010 04:10:06; Dark ; 71.0; 52; 16Bet Cet ; 2.04; 4500;occ; 142; 0;43659
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10; 567.3; 07-JUL-2010 04:19:33; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43660
11; 723.1; 07-JUL-2010 04:22:09; Dark ; 82.5; 18; 24Alp PsA ; 1.17; 9700;occ; 165; 0;43660
12; 861.3; 07-JUL-2010 04:24:27; Dark ; 56.0; 172; Gam Gru ; 3.00; 13100;occ; 112; 0;43660
13; 2192.8; 07-JUL-2010 04:46:39; Bright; 44.5; 168; 17Zet Aql ; 2.99; 11000;occ; 89; 0;43660
14; 2616.1; 07-JUL-2010 04:53:42; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;43660
15; 2855.0; 07-JUL-2010 04:57:41; Bright; 47.5; 144; 18Del Cyg ; 2.86; 11000;occ; 95; 0;43660
16; 3043.1; 07-JUL-2010 05:00:49; Bright; 55.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 111; 0;43660
17; 3287.6; 07-JUL-2010 05:04:54; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;43660
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3;-1776.7; 07-JUL-2010 05:21:05; Bright; 55.0; 73; 57Gam1And ; 2.26; 13100;occ; 110; 0;43660
4;-1617.2; 07-JUL-2010 05:23:45; Dark ; 71.0; 53; 43Bet And ; 2.05; 3300;occ; 142; 0;43660
5;-1324.5; 07-JUL-2010 05:28:38; Dark ; 71.0; 50; 13Alp Ari ; 2.01; 4250;occ; 142; 0;43660
6;-1017.7; 07-JUL-2010 05:33:44; Dark ; 52.0; 94; 92Alp Cet ; 2.53; 3100;occ; 104; 0;43660
7; -450.5; 07-JUL-2010 05:43:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43660
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9; 188.8; 07-JUL-2010 05:53:51; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;43661
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12; 862.3; 07-JUL-2010 06:05:04; Dark ; 54.0; 172; Gam Gru ; 3.00; 13100;occ; 108; 0;43661
13; 2193.0; 07-JUL-2010 06:27:15; Bright; 44.5; 168; 17Zet Aql ; 2.99; 11000;occ; 89; 0;43661
14; 2619.9; 07-JUL-2010 06:34:22; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;43661
15; 2854.5; 07-JUL-2010 06:38:17; Bright; 46.0; 144; 18Del Cyg ; 2.86; 11000;occ; 92; 0;43661
16; 3041.8; 07-JUL-2010 06:41:24; Bright; 57.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 115; 0;43661
17; 3287.1; 07-JUL-2010 06:45:29; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;43661
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4; 3281.1; 07-JUL-2010 21:50:47; Bright; 42.0; 89; 5Alp Cep ; 2.45; 8000;occ; 84; 0;43670
5; 3731.7; 07-JUL-2010 21:58:17; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;43670
6; 3846.0; 07-JUL-2010 22:00:12; Bright; 43.0; 110; 37Del Cas ; 2.68; 8900;occ; 86; 0;43670
7; 4258.0; 07-JUL-2010 22:07:04; Bright; 57.5; 73; 57Gam1And ; 2.26; 13100;occ; 115; 0;43670
8; 4418.6; 07-JUL-2010 22:09:44; Dark ; 43.0; 53; 43Bet And ; 2.05; 3300;occ; 86; 0;43670
9; 4715.8; 07-JUL-2010 22:14:41; Dark ; 63.5; 50; 13Alp Ari ; 2.01; 4250;occ; 127; 0;43670
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3; 199.3; 07-JUL-2010 22:40:01; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;43671
4; 577.2; 07-JUL-2010 22:46:19; Dark ; 63.0; 63; Bet Gru ; 2.15; 2800;occ; 126; 0;43671
5; 741.1; 07-JUL-2010 22:49:02; Dark ; 82.0; 18; 24Alp PsA ; 1.17; 9700;occ; 164; 0;43671
6; 871.8; 07-JUL-2010 22:51:13; Dark ; 53.5; 172; Gam Gru ; 3.00; 13100;occ; 107; 0;43671
7; 2189.4; 07-JUL-2010 23:13:11; Bright; 42.0; 168; 17Zet Aql ; 2.99; 11000;occ; 84; 0;43671
8; 2847.5; 07-JUL-2010 23:24:09; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;43671
9; 3031.3; 07-JUL-2010 23:27:13; Bright; 55.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 110; 0;43671
10; 3280.2; 07-JUL-2010 23:31:22; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;43671
11; 3731.1; 07-JUL-2010 23:38:53; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;43671
12; 3845.8; 07-JUL-2010 23:40:47; Bright; 43.0; 110; 37Del Cas ; 2.68; 8900;occ; 86; 0;43671
13; 4257.8; 07-JUL-2010 23:47:39; Bright; 57.0; 73; 57Gam1And ; 2.26; 13100;occ; 114; 0;43671
14; 4418.8; 07-JUL-2010 23:50:20; Dark ; 43.0; 53; 43Bet And ; 2.05; 3300;occ; 86; 0;43671
15; 4715.9; 07-JUL-2010 23:55:17; Dark ; 67.5; 50; 13Alp Ari ; 2.01; 4250;occ; 135; 0;43671
16; 5023.9; 08-JUL-2010 00:00:25; Dark ; 54.5; 94; 92Alp Cet ; 2.53; 3100;occ; 109; 0;43671
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3; 200.8; 08-JUL-2010 00:20:38; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;43672
4; 578.0; 08-JUL-2010 00:26:55; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43672
5; 742.6; 08-JUL-2010 00:29:40; Dark ; 81.0; 18; 24Alp PsA ; 1.17; 9700;occ; 162; 0;43672
6; 872.2; 08-JUL-2010 00:31:49; Dark ; 55.0; 172; Gam Gru ; 3.00; 13100;occ; 110; 0;43672

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12; 3845.4; 08-JUL-2010 01:21:23; Bright; 42.0; 110; 37Del Cas ; 2.68; 8900;occ; 84; 0;43672
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16; 5024.5; 08-JUL-2010 01:41:02; Dark ; 57.0; 94; 92Alp Cet ; 2.53; 3100;occ; 114; 0;43672
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5; 744.3; 08-JUL-2010 02:10:17; Dark ; 79.0; 18; 24Alp PsA ; 1.17; 9700;occ; 158; 0;43673
6; 873.7; 08-JUL-2010 02:12:27; Dark ; 54.5; 172; Gam Gru ; 3.00; 13100;occ; 109; 0;43673
7; 2188.6; 08-JUL-2010 02:34:22; Bright; 44.5; 168; 17Zet Aql ; 2.99; 11000;occ; 89; 0;43673
8; 2846.2; 08-JUL-2010 02:45:19; Bright; 42.5; 144; 18Del Cyg ; 2.86; 11000;occ; 85; 0;43673
9; 3029.0; 08-JUL-2010 02:48:22; Bright; 57.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 114; 0;43673
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11; 745.9; 08-JUL-2010 03:50:55; Dark ; 81.0; 18; 24Alp PsA ; 1.17; 9700;occ; 162; 0;43674
12; 874.4; 08-JUL-2010 03:53:04; Dark ; 56.0; 172; Gam Gru ; 3.00; 13100;occ; 112; 0;43674
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16; 3278.3; 08-JUL-2010 04:33:07; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;43674
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7; -434.9; 08-JUL-2010 05:11:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43674
8; 34.9; 08-JUL-2010 05:19:40; Dark ; 31.0; 52; 16Bet Cet ; 2.04; 4500;occ; 62; 0;43675
9; 203.8; 08-JUL-2010 05:22:29; Dark ; 58.5; 84; Alp Phe ; 2.40; 4500;occ; 117; 0;43675
10; 580.9; 08-JUL-2010 05:28:46; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43675
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12; 875.5; 08-JUL-2010 05:33:41; Dark ; 53.5; 172; Gam Gru ; 3.00; 13100;occ; 107; 0;43675
13; 2188.1; 08-JUL-2010 05:55:33; Bright; 42.5; 168; 17Zet Aql ; 2.99; 11000;occ; 85; 0;43675
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6; 797.0; 09-JUL-2010 01:39:33; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43687
7; 1345.2; 09-JUL-2010 01:48:42; Dark ; 44.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 89; 0;43687
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19; 6943.7; 30-JUL-2010 19:07:40; Dark ; 52.0; 31; Alp Gru ; 1.73; 15200;occ; 104; 0;43998

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5; 2699.3; 30-JUL-2010 19:37:31; Bright; 36.5; 144; 18Del Cyg ; 2.86; 11000;occ; 73; 0;43998
6; 3100.0; 30-JUL-2010 19:44:12; Bright; 41.0; 89; 5Alp Cep ; 2.45; 8000;occ; 82; 0;43998
7; 4084.0; 30-JUL-2010 20:00:36; Bright; 49.5; 35; 33Alp Per ; 1.79; 6250;occ; 99; 0;43998
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13; 4902.3; 30-JUL-2010 20:14:14; Dark ; 45.0; 27; 24Gam Ori ; 1.64; 26000;occ; 90; 0;43998
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17; 5992.2; 30-JUL-2010 20:32:24; Dark ; 45.5; 157; The1Eri ; 2.91; 9300;occ; 91; 0;43998
18; 6328.4; 30-JUL-2010 20:38:00; Dark ; 53.5; 9; Alp Eri ; 0.45; 24000;occ; 107; 0;43999
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17; 1092.6; 30-JUL-2010 04:05:21; Dark ; 44.5; 172; Gam Gru ; 3.00; 13100;occ; 89; 0;43989
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19; 2595.9; 30-JUL-2010 04:30:24; Bright; 48.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 97; 0;43989
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4;-1719.6; 30-JUL-2010 04:59:05; Bright; 62.0; 149; 45Eps Per ; 2.89; 30000;occ; 124; 0;43989
5;-1526.5; 30-JUL-2010 05:02:18; Dark ; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;43989

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11; -322.1; 30-JUL-2010 05:22:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43989
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13; 286.9; 30-JUL-2010 05:32:31; Dark ; 52.5; 9; Alp Eri ; 0.45; 24000;occ; 105; 0;43990
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7; 4083.7; 30-JUL-2010 21:41:12; Bright; 48.5; 35; 33Alp Per ; 1.79; 6250;occ; 97; 0;43999
8; 4200.3; 30-JUL-2010 21:43:08; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;43999
9; 4315.9; 30-JUL-2010 21:45:04; Bright; 45.5; 149; 45Eps Per ; 2.89; 30000;occ; 91; 0;43999
10; 4498.3; 30-JUL-2010 21:48:06; Dark ; 54.0; 150; 44Zet Per ; 2.89; 28000;occ; 108; 0;43999
11; 4634.8; 30-JUL-2010 21:50:23; Dark ; 41.0; 176; 23Zet Tau ; 3.02; 22000;occ; 82; 0;43999
12; 4781.6; 30-JUL-2010 21:52:50; Dark ; 62.0; 13; 87Alp Tau ; 0.87; 3800;occ; 124; 0;43999
13; 4902.8; 30-JUL-2010 21:54:51; Dark ; 42.5; 27; 24Gam Ori ; 1.64; 26000;occ; 85; 0;43999
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4; 293.6; 30-JUL-2010 22:18:37; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;44000
5; 571.7; 30-JUL-2010 22:23:16; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;44000
6; 909.0; 30-JUL-2010 22:28:53; Dark ; 52.0; 31; Alp Gru ; 1.73; 15200;occ; 104; 0;44000
7; 1098.1; 30-JUL-2010 22:32:02; Dark ; 47.5; 172; Gam Gru ; 3.00; 13100;occ; 95; 0;44000
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9; 2589.9; 30-JUL-2010 22:56:54; Bright; 41.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 83; 0;44000
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4; 573.0; 31-JUL-2010 00:03:53; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;44001
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6; 1098.5; 31-JUL-2010 00:12:38; Dark ; 47.5; 172; Gam Gru ; 3.00; 13100;occ; 95; 0;44001
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9; 2698.6; 31-JUL-2010 00:39:18; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;44001
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11; 4083.1; 31-JUL-2010 01:02:23; Bright; 49.0; 35; 33Alp Per ; 1.79; 6250;occ; 98; 0;44001
12; 4199.9; 31-JUL-2010 01:04:20; Bright; 40.5; 6; 13Alp Aur ; 0.08; 3400;occ; 81; 0;44001
13; 4315.9; 31-JUL-2010 01:06:16; Bright; 66.0; 149; 45Eps Per ; 2.89; 30000;occ; 132; 0;44001
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16; 4782.5; 31-JUL-2010 01:14:02; Dark ; 51.0; 13; 87Alp Tau ; 0.87; 3800;occ; 102; 0;44001

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3; 295.1; 31-JUL-2010 01:39:51; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;44002
4; 574.1; 31-JUL-2010 01:44:30; Dark ; 66.5; 84; Alp Phe ; 2.40; 4500;occ; 133; 0;44002
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6;-1400.5; 31-JUL-2010 02:52:11; Dark ; 38.5; 176; 23Zet Tau ; 3.02; 22000;occ; 77; 0;44002
7;-1253.3; 31-JUL-2010 02:54:38; Dark ; 55.5; 13; 87Alp Tau ; 0.87; 3800;occ; 111; 0;44002
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16; 1099.7; 31-JUL-2010 03:33:51; Dark ; 44.5; 172; Gam Gru ; 3.00; 13100;occ; 89; 0;44003
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