

GOMOS Daily Report 21-JUN-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	24JUN2010 04:51:17
Data source version	GOMOS/5.01
Start time of products	21JUN2010 00:00:25
Stop time of products	21JUN2010 23:56:54
Store outputs in DB	Yes
Nb of level 1b prods	144
Nb of prods with errors	0

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

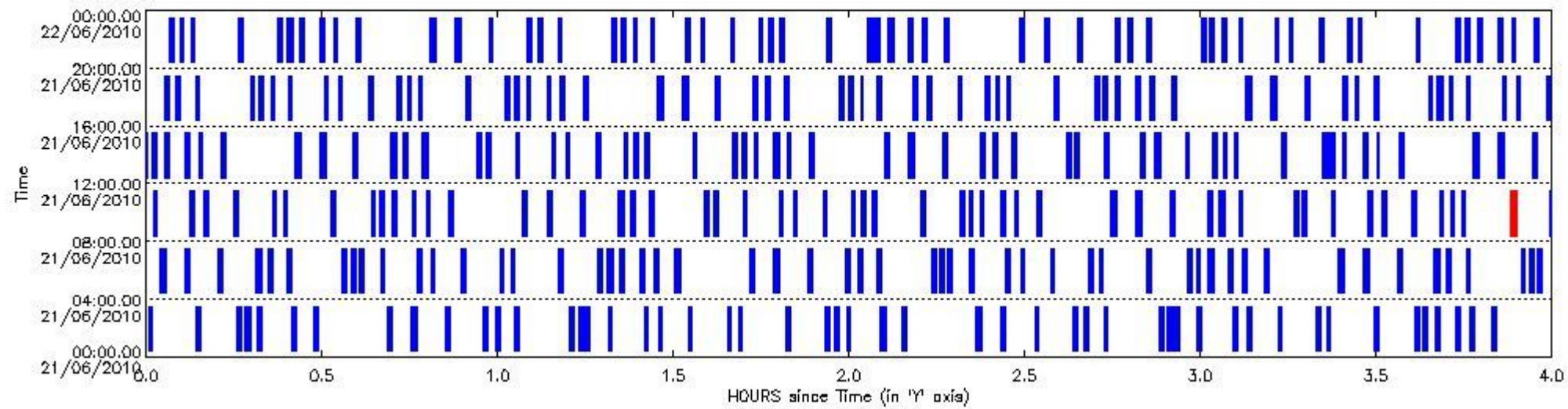
2.1 Level 0 products arrived in PCF (see template [here](#))

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
21-JUN-2010 11:52:51	5AlpCep	89	43435

2.4 Summary of processed GOM_TRA_1P products

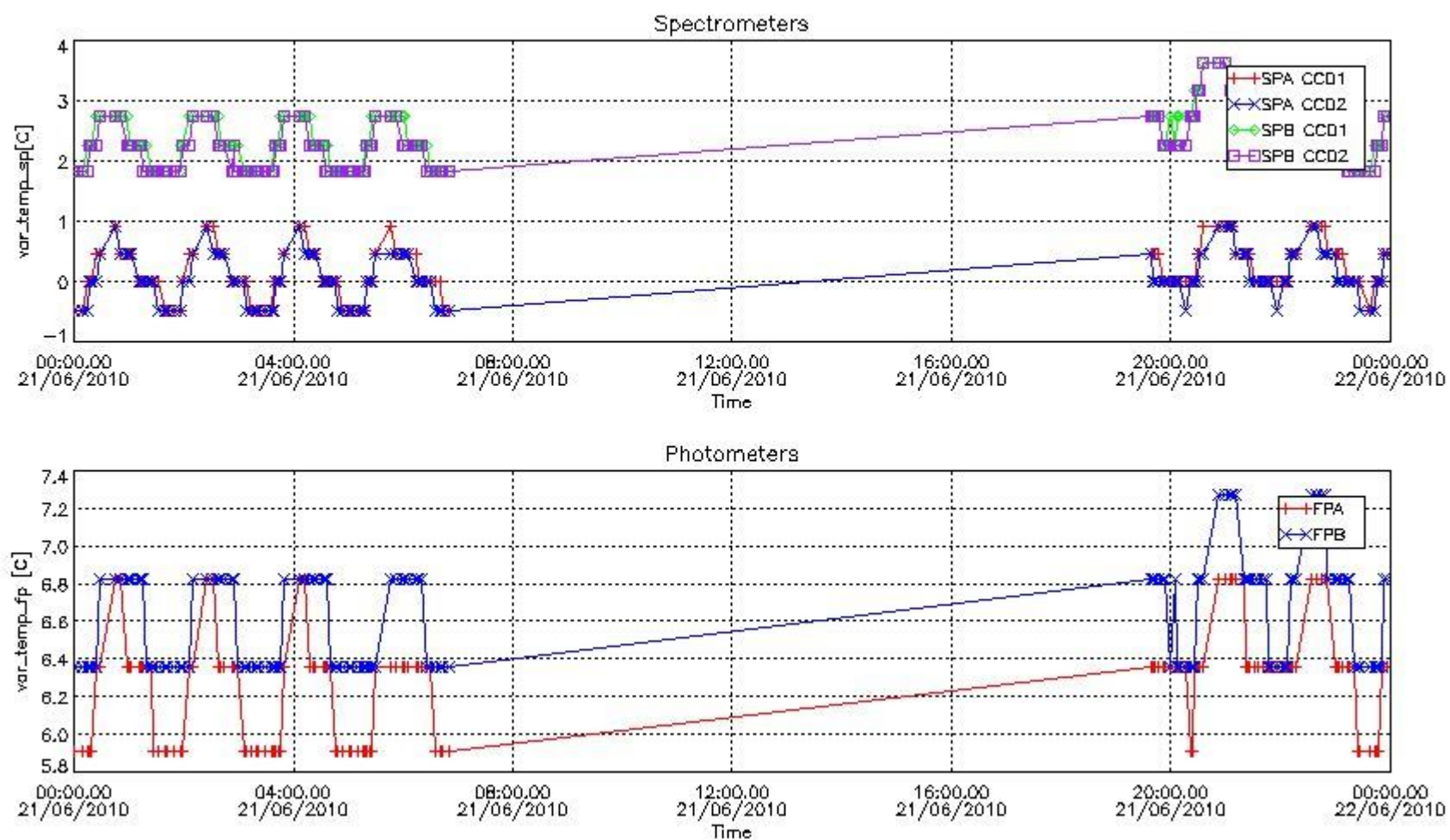
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100621_000025_000000382090_00288_43428_0749.N1	21-JUN-2010 00:00:25	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	43428	No
2	GOM_TRA_1PNPDE20100621_000835_000000472090_00288_43428_0750.N1	21-JUN-2010 00:08:35	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	43428	No
3	GOM_TRA_1PNPDE20100621_001523_000000472090_00288_43428_0751.N1	21-JUN-2010 00:15:23	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	43428	No
4	GOM_TRA_1PNPDE20100621_001652_000000632090_00288_43428_0752.N1	21-JUN-2010 00:16:52	Bright	63.000	68	18Alp Cas	2.2250	4500.0	126	43428	No
5	GOM_TRA_1PNPDE20100621_001855_000000532090_00288_43428_0753.N1	21-JUN-2010 00:18:55	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	43428	No
6	GOM_TRA_1PNPDE20100621_002446_000000552090_00288_43428_0754.N1	21-JUN-2010 00:24:46	Twilight	55.000	53	43Bet And	2.0480	3300.0	110	43428	No
7	GOM_TRA_1PNPDE20100621_002828_000000502090_00288_43428_0755.N1	21-JUN-2010 00:28:28	Twilight	50.000	50	13Alp Ari	2.0070	4250.0	100	43428	No
8	GOM_TRA_1PNPDE20100621_004514_000000612090_00288_43428_0765.N1	21-JUN-2010 00:45:14	Dark	60.500	52	16Bet Cet	2.0370	4500.0	121	43428	No
9	GOM_TRA_1PNPDE20100621_005105_000000502090_00288_43428_0766.N1	21-JUN-2010 00:51:05	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	43428	No
10	GOM_TRA_1PNPDE20100621_005729_000000522090_00289_43429_0767.N1	21-JUN-2010 00:57:29	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	43429	No

11	GOM_TRA_1PNPDE20100621_005932_000000492090_00289_43429_0768.N1	21-JUN-2010 00:59:32	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	43429	No
12	GOM_TRA_1PNPDE20100621_010255_000000422090_00289_43429_0769.N1	21-JUN-2010 01:02:55	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43429	No
13	GOM_TRA_1PNPDE20100621_011217_000000452090_00289_43429_0770.N1	21-JUN-2010 01:12:17	Twilight	45.000	38	20Eps Sgr	1.8360	11000.	90	43429	No
14	GOM_TRA_1PNPDE20100621_011344_000000522090_00289_43429_0771.N1	21-JUN-2010 01:13:44	Twilight	51.500	116	19Del Sgr	2.7000	4100.0	103	43429	No
15	GOM_TRA_1PNPDE20100621_011501_000000472090_00289_43429_0772.N1	21-JUN-2010 01:15:01	Bright	46.500	137	22Lam Sgr	2.8240	4400.0	93	43429	No
16	GOM_TRA_1PNPDE20100621_011849_000000392090_00289_43429_0773.N1	21-JUN-2010 01:18:49	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	43429	No
17	GOM_TRA_1PNPDE20100621_012500_000000412090_00289_43429_0774.N1	21-JUN-2010 01:25:00	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	43429	No
18	GOM_TRA_1PNPDE20100621_012727_000000422090_00289_43429_0775.N1	21-JUN-2010 01:27:27	Bright	41.500	59	55Alp Oph	2.0800	8900.0	83	43429	No
19	GOM_TRA_1PNPDE20100621_013236_000000382090_00289_43429_0776.N1	21-JUN-2010 01:32:36	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	43429	No
20	GOM_TRA_1PNPDE20100621_013910_000000382090_00289_43429_0777.N1	21-JUN-2010 01:39:10	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	43429	No
21	GOM_TRA_1PNPDE20100621_014101_000000352090_00289_43429_0778.N1	21-JUN-2010 01:41:01	Bright	34.500	119	14Eta Dra	2.7270	4700.0	69	43429	No
22	GOM_TRA_1PNPDE20100621_014910_000000482090_00289_43429_0779.N1	21-JUN-2010 01:49:10	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43429	No
23	GOM_TRA_1PNPDE20100621_015558_000000452090_00289_43429_0780.N1	21-JUN-2010 01:55:58	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	43429	No
24	GOM_TRA_1PNPDE20100621_015727_000000472090_00289_43429_0781.N1	21-JUN-2010 01:57:27	Bright	46.500	68	18Alp Cas	2.2250	4500.0	93	43429	No
25	GOM_TRA_1PNPDE20100621_015931_000000352090_00289_43429_0782.N1	21-JUN-2010 01:59:31	Bright	34.500	160	23Gam Per	2.9300	4700.0	69	43429	No
26	GOM_TRA_1PNPDE20100621_020522_000000552090_00289_43429_0783.N1	21-JUN-2010 02:05:22	Twilight	55.000	53	43Bet And	2.0480	3300.0	110	43429	No
27	GOM_TRA_1PNPDE20100621_020904_000000462090_00289_43429_0784.N1	21-JUN-2010 02:09:04	Twilight	46.000	50	13Alp Ari	2.0070	4250.0	92	43429	No
28	GOM_TRA_1PNPDE20100621_022551_000000592090_00289_43429_0791.N1	21-JUN-2010 02:25:51	Dark	58.500	52	16Bet Cet	2.0370	4500.0	117	43429	No
29	GOM_TRA_1PNPDE20100621_023142_000000452090_00289_43429_0792.N1	21-JUN-2010 02:31:42	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	43429	No
30	GOM_TRA_1PNPDE20100621_023806_000000522090_00290_43430_0793.N1	21-JUN-2010 02:38:06	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	43430	No
31	GOM_TRA_1PNPDE20100621_024009_000000502090_00290_43430_0794.N1	21-JUN-2010 02:40:09	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	43430	No
32	GOM_TRA_1PNPDE20100621_024331_000000442090_00290_43430_0795.N1	21-JUN-2010 02:43:31	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43430	No
33	GOM_TRA_1PNPDE20100621_025254_000000482090_00290_43430_0796.N1	21-JUN-2010 02:52:54	Twilight	47.500	38	20Eps Sgr	1.8360	11000.	95	43430	No
34	GOM_TRA_1PNPDE20100621_025420_000000542090_00290_43430_0797.N1	21-JUN-2010 02:54:20	Twilight	54.000	116	19Del Sgr	2.7000	4100.0	108	43430	No
35	GOM_TRA_1PNPDE20100621_025537_000000482090_00290_43430_0798.N1	21-JUN-2010 02:55:37	Bright	48.000	137	22Lam Sgr	2.8240	4400.0	96	43430	No
36	GOM_TRA_1PNPDE20100621_025925_000000392090_00290_43430_0799.N1	21-JUN-2010 02:59:25	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	43430	No
37	GOM_TRA_1PNPDE20100621_030536_000000422090_00290_43430_0800.N1	21-JUN-2010 03:05:36	Bright	41.500	126	60Bet Oph	2.7700	4250.0	83	43430	No
38	GOM_TRA_1PNPDE20100621_030803_000000422090_00290_43430_0801.N1	21-JUN-2010 03:08:03	Bright	42.000	59	55Alp Oph	2.0800	8900.0	84	43430	No
39	GOM_TRA_1PNPDE20100621_031312_000000372090_00290_43430_0802.N1	21-JUN-2010 03:13:12	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	43430	No
40	GOM_TRA_1PNPDE20100621_031945_000000402090_00290_43430_0803.N1	21-JUN-2010 03:19:45	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	43430	No
41	GOM_TRA_1PNPDE20100621_032137_000000352090_00290_43430_0804.N1	21-JUN-2010 03:21:37	Bright	34.500	119	14Eta Dra	2.7270	4700.0	69	43430	No
42	GOM_TRA_1PNPDE20100621_032945_000000492090_00290_43430_0805.N1	21-JUN-2010 03:29:45	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43430	No
43	GOM_TRA_1PNPDE20100621_033633_000000482090_00290_43430_0818.N1	21-JUN-2010 03:36:33	Bright	47.500	74	11Bet Cas	2.2680	6600.0	95	43430	No
44	GOM_TRA_1PNPDE20100621_033803_000000462090_00290_43430_0819.N1	21-JUN-2010 03:38:03	Bright	46.000	68	18Alp Cas	2.2250	4500.0	92	43430	No
45	GOM_TRA_1PNPDE20100621_034007_000000482090_00290_43430_0820.N1	21-JUN-2010 03:40:07	Bright	48.000	160	23Gam Per	2.9300	4700.0	96	43430	No
46	GOM_TRA_1PNPDE20100621_034333_000000442090_00290_43430_0821.N1	21-JUN-2010 03:43:33	Bright	43.500	73	57Gam1And	2.2600	13100.	87	43430	No
47	GOM_TRA_1PNPDE20100621_034558_000000482090_00290_43430_0822.N1	21-JUN-2010 03:45:58	Twilight	48.000	53	43Bet And	2.0480	3300.0	96	43430	No
48	GOM_TRA_1PNPDE20100621_034940_000000492090_00290_43430_0823.N1	21-JUN-2010 03:49:40	Twilight	49.000	50	13Alp Ari	2.0070	4250.0	98	43430	No
49	GOM_TRA_1PNPDE20100621_040628_000000612090_00290_43430_0824.N1	21-JUN-2010 04:06:28	Dark	61.000	52	16Bet Cet	2.0370	4500.0	122	43430	No
50	GOM_TRA_1PNPDE20100621_041219_000000452090_00290_43430_0825.N1	21-JUN-2010 04:12:19	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	43430	No
51	GOM_TRA_1PNPDE20100621_041843_000000542090_00291_43431_0826.N1	21-JUN-2010 04:18:43	Dark	54.000	63	Bet Gru	2.1500	2800.0	108	43431	No
52	GOM_TRA_1PNPDE20100621_042046_000000502090_00291_43431_0827.N1	21-JUN-2010 04:20:46	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	43431	No
53	GOM_TRA_1PNPDE20100621_042408_000000442090_00291_43431_0828.N1	21-JUN-2010 04:24:08	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43431	No
54	GOM_TRA_1PNPDE20100621_043330_000000462090_00291_43431_0829.N1	21-JUN-2010 04:33:30	Twilight	46.000	38	20Eps Sgr	1.8360	11000.	92	43431	No
55	GOM_TRA_1PNPDE20100621_043457_000000492090_00291_43431_0830.N1	21-JUN-2010 04:34:57	Twilight	49.000	116	19Del Sgr	2.7000	4100.0	98	43431	No
56	GOM_TRA_1PNPDE20100621_043613_000000492090_00291_43431_0831.N1	21-JUN-2010 04:36:13	Bright	48.500	137	22Lam Sgr	2.8240	4400.0	97	43431	No
57	GOM_TRA_1PNPDE20100621_044001_000000392090_00291_43431_0832.N1	21-JUN-2010 04:40:01	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	43431	No
58	GOM_TRA_1PNPDE20100621_044612_000000432090_00291_43431_0833.N1	21-JUN-2010 04:46:12	Bright	43.000	126	60Bet Oph	2.7700	4250.0	86	43431	No
59	GOM_TRA_1PNPDE20100621_044838_000000412090_00291_43431_0834.N1	21-JUN-2010 04:48:38	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	43431	No
60	GOM_TRA_1PNPDE20100621_045348_000000372090_00291_43431_0835.N1	21-JUN-2010 04:53:48	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	43431	No
61	GOM_TRA_1PNPDE20100621_050021_000000422090_00291_43431_0836.N1	21-JUN-2010 05:00:21	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	43431	No
62	GOM_TRA_1PNPDE20100621_050213_000000362090_00291_43431_0837.N1	21-JUN-2010 05:02:13	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	43431	No
63	GOM_TRA_1PNPDE20100621_051021_000000482090_00291_43431_0838.N1	21-JUN-2010 05:10:21	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43431	No
64	GOM_TRA_1PNPDE20100621_051709_000000472090_00291_43431_0857.N1	21-JUN-2010 05:17:09	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	43431	No
65	GOM_TRA_1PNPDE20100621_051839_000000652090_00291_43431_0858.N1	21-JUN-2010 05:18:39	Bright	65.000	68	18Alp Cas	2.2250	4500.0	130	43431	No
66	GOM_TRA_1PNPDE20100621_052043_000000482090_00291_43431_0859.N1	21-JUN-2010 05:20:43	Bright	48.000	160	23Gam Per	2.9300	4700.0	96	43431	No
67	GOM_TRA_1PNPDE20100621_052409_000000582090_00291_43431_0860.N1	21-JUN-2010 05:24:09	Bright	58.000	73	57Gam1And	2.2600	13100.	116	43431	No
68	GOM_TRA_1PNPDE20100621_052634_000000482090_00291_43431_0861.N1	21-JUN-2010 05:26:34	Twilight	48.000	53	43Bet And	2.0480	3300.0	96	43431	No
69	GOM_TRA_1PNPDE20100621_053016_000000512090_00291_43431_0862.N1	21-JUN-2010 05:30:16	Twilight	51.000	50	13Alp Ari	2.0070	4250.0	102	43431	No

70	GOM_TRA_1PNPDE20100621_054706_000000622090_00291_43431_0863.N1	21-JUN-2010 05:47:06	Dark	61.500	52	16Bet Cet	2.0370	4500.0	123	43431	No
71	GOM_TRA_1PNPDE20100621_055256_000000482090_00291_43431_0864.N1	21-JUN-2010 05:52:56	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	43431	No
72	GOM_TRA_1PNPDE20100621_055920_000000562090_00292_43432_0865.N1	21-JUN-2010 05:59:20	Dark	56.000	63	Bet Gru	2.1500	2800.0	112	43432	No
73	GOM_TRA_1PNPDE20100621_060123_000000492090_00292_43432_0866.N1	21-JUN-2010 06:01:23	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	43432	No
74	GOM_TRA_1PNPDE20100621_060444_000000432090_00292_43432_0867.N1	21-JUN-2010 06:04:44	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43432	No
75	GOM_TRA_1PNPDE20100621_061406_000000472090_00292_43432_0868.N1	21-JUN-2010 06:14:06	Twilight	46.500	38	20Eps Sgr	1.8360	11000.	93	43432	No
76	GOM_TRA_1PNPDE20100621_061533_000000472090_00292_43432_0869.N1	21-JUN-2010 06:15:33	Twilight	47.000	116	19Del Sgr	2.7000	4100.0	94	43432	No
77	GOM_TRA_1PNPDE20100621_061650_000000512090_00292_43432_0870.N1	21-JUN-2010 06:16:50	Bright	50.500	137	22Lam Sgr	2.8240	4400.0	101	43432	No
78	GOM_TRA_1PNPDE20100621_062037_000000402090_00292_43432_0871.N1	21-JUN-2010 06:20:37	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	43432	No
79	GOM_TRA_1PNPDE20100621_062648_000000412090_00292_43432_0872.N1	21-JUN-2010 06:26:48	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	43432	No
80	GOM_TRA_1PNPDE20100621_062914_000000392090_00292_43432_0873.N1	21-JUN-2010 06:29:14	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	43432	No
81	GOM_TRA_1PNPDE20100621_063423_000000362090_00292_43432_0874.N1	21-JUN-2010 06:34:23	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	43432	No
82	GOM_TRA_1PNPDE20100621_064056_000000412090_00292_43432_0875.N1	21-JUN-2010 06:40:56	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	43432	No
83	GOM_TRA_1PNPDE20100621_064249_000000372090_00292_43432_0876.N1	21-JUN-2010 06:42:49	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	43432	No
84	GOM_TRA_1PNPDE20100621_065056_000000482090_00292_43432_0877.N1	21-JUN-2010 06:50:56	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43432	No
85	GOM_TRA_1PNPDE20100621_193856_000000452090_00300_43440_1043.N1	21-JUN-2010 19:38:56	Twilight	44.500	38	20Eps Sgr	1.8360	11000.	89	43440	No
86	GOM_TRA_1PNPDE20100621_194023_000000592090_00300_43440_1044.N1	21-JUN-2010 19:40:23	Bright	59.000	116	19Del Sgr	2.7000	4100.0	118	43440	No
87	GOM_TRA_1PNPDE20100621_194234_000000332090_00300_43440_1045.N1	21-JUN-2010 19:42:34	Twilight	33.000	155	41Pi Sgr	2.9000	6600.0	66	43440	No
88	GOM_TRA_1PNPDE20100621_194526_000000392090_00300_43440_1046.N1	21-JUN-2010 19:45:26	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	43440	No
89	GOM_TRA_1PNPDE20100621_195134_000000412090_00300_43440_1047.N1	21-JUN-2010 19:51:34	Bright	40.500	126	60Bet Oph	2.7700	4250.0	81	43440	No
90	GOM_TRA_1PNPDE20100621_195359_000000412090_00300_43440_1048.N1	21-JUN-2010 19:53:59	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	43440	No
91	GOM_TRA_1PNPDE20100621_195910_000000372090_00300_43440_1049.N1	21-JUN-2010 19:59:10	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	43440	No
92	GOM_TRA_1PNPDE20100621_200355_000000472090_00300_43440_1050.N1	21-JUN-2010 20:03:55	Bright	47.000	5	3Alp Lyr	0.033000	11000.	94	43440	No
93	GOM_TRA_1PNPDE20100621_200541_000000402090_00300_43440_1051.N1	21-JUN-2010 20:05:41	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	43440	No
94	GOM_TRA_1PNPDE20100621_200736_000000402090_00300_43440_1052.N1	21-JUN-2010 20:07:36	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	43440	No
95	GOM_TRA_1PNPDE20100621_201538_000000482090_00300_43440_1053.N1	21-JUN-2010 20:15:38	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43440	No
96	GOM_TRA_1PNPDE20100621_202229_000000462090_00300_43440_1054.N1	21-JUN-2010 20:22:29	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	43440	No
97	GOM_TRA_1PNPDE20100621_202359_000000652090_00300_43440_1055.N1	21-JUN-2010 20:23:59	Bright	65.000	68	18Alp Cas	2.2250	4500.0	130	43440	No
98	GOM_TRA_1PNPDE20100621_202606_000000532090_00300_43440_1056.N1	21-JUN-2010 20:26:06	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	43440	No
99	GOM_TRA_1PNPDE20100621_202933_000000462090_00300_43440_1057.N1	21-JUN-2010 20:29:33	Bright	46.000	73	57Gam1And	2.2600	13100.	92	43440	No
100	GOM_TRA_1PNPDE20100621_203155_000000452090_00300_43440_1058.N1	21-JUN-2010 20:31:55	Twilight	44.500	173	4Bet Tri	3.0040	8900.0	89	43440	No
101	GOM_TRA_1PNPDE20100621_203542_000000472090_00300_43440_1059.N1	21-JUN-2010 20:35:42	Twilight	46.500	50	13Alp Ari	2.0070	4250.0	93	43440	No
102	GOM_TRA_1PNPDE20100621_205240_000000582090_00300_43440_1063.N1	21-JUN-2010 20:52:40	Dark	58.000	52	16Bet Cet	2.0370	4500.0	116	43440	No
103	GOM_TRA_1PNPDE20100621_205827_000000462090_00300_43440_1064.N1	21-JUN-2010 20:58:27	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	43440	No
104	GOM_TRA_1PNPDE20100621_210452_000000582090_00301_43441_1065.N1	21-JUN-2010 21:04:52	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	43441	No
105	GOM_TRA_1PNPDE20100621_210655_000000492090_00301_43441_1066.N1	21-JUN-2010 21:06:55	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	43441	No
106	GOM_TRA_1PNPDE20100621_211012_000000422090_00301_43441_1067.N1	21-JUN-2010 21:10:12	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43441	No
107	GOM_TRA_1PNPDE20100621_211932_000000472090_00301_43441_1068.N1	21-JUN-2010 21:19:32	Twilight	47.000	38	20Eps Sgr	1.8360	11000.	94	43441	No
108	GOM_TRA_1PNPDE20100621_212059_000000472090_00301_43441_1069.N1	21-JUN-2010 21:20:59	Twilight	47.000	116	19Del Sgr	2.7000	4100.0	94	43441	No
109	GOM_TRA_1PNPDE20100621_212310_000000332090_00301_43441_1070.N1	21-JUN-2010 21:23:10	Twilight	33.000	155	41Pi Sgr	2.9000	6600.0	66	43441	No
110	GOM_TRA_1PNPDE20100621_212602_000000382090_00301_43441_1071.N1	21-JUN-2010 21:26:02	Bright	38.000	86	35Eta Oph	2.4300	10200.	76	43441	No
111	GOM_TRA_1PNPDE20100621_213209_000000412090_00301_43441_1072.N1	21-JUN-2010 21:32:09	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	43441	No
112	GOM_TRA_1PNPDE20100621_213435_000000402090_00301_43441_1073.N1	21-JUN-2010 21:34:35	Bright	39.500	59	55Alp Oph	2.0800	8900.0	79	43441	No
113	GOM_TRA_1PNPDE20100621_213946_000000362090_00301_43441_1074.N1	21-JUN-2010 21:39:46	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	43441	No
114	GOM_TRA_1PNPDE20100621_214430_000000452090_00301_43441_1075.N1	21-JUN-2010 21:44:30	Bright	45.000	5	3Alp Lyr	0.033000	11000.	90	43441	No
115	GOM_TRA_1PNPDE20100621_214617_000000402090_00301_43441_1076.N1	21-JUN-2010 21:46:17	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	43441	No
116	GOM_TRA_1PNPDE20100621_214811_000000402090_00301_43441_1077.N1	21-JUN-2010 21:48:11	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	43441	No
117	GOM_TRA_1PNPDE20100621_215613_000000462090_00301_43441_1078.N1	21-JUN-2010 21:56:13	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	43441	No
118	GOM_TRA_1PNPDE20100621_220304_000000662090_00301_43441_1079.N1	21-JUN-2010 22:03:04	Bright	66.000	74	11Bet Cas	2.2680	6600.0	132	43441	No
119	GOM_TRA_1PNPDE20100621_220435_000000492090_00301_43441_1080.N1	21-JUN-2010 22:04:35	Bright	49.000	68	18Alp Cas	2.2250	4500.0	98	43441	No
120	GOM_TRA_1PNPDE20100621_220642_000000532090_00301_43441_1081.N1	21-JUN-2010 22:06:42	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	43441	No
121	GOM_TRA_1PNPDE20100621_221009_000000452090_00301_43441_1082.N1	21-JUN-2010 22:10:09	Bright	45.000	73	57Gam1And	2.2600	13100.	90	43441	No
122	GOM_TRA_1PNPDE20100621_221231_000000442090_00301_43441_1083.N1	21-JUN-2010 22:12:31	Twilight	43.500	173	4Bet Tri	3.0040	8900.0	87	43441	No
123	GOM_TRA_1PNPDE20100621_221618_000000512090_00301_43441_1084.N1	21-JUN-2010 22:16:18	Twilight	50.500	50	13Alp Ari	2.0070	4250.0	101	43441	No
124	GOM_TRA_1PNPDE20100621_223317_000000582090_00301_43441_1090.N1	21-JUN-2010 22:33:17	Dark	58.000	52	16Bet Cet	2.0370	4500.0	116	43441	No
125	GOM_TRA_1PNPDE20100621_223904_000000482090_00301_43441_1091.N1	21-JUN-2010 22:39:04	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	43441	No
126	GOM_TRA_1PNPDE20100621_224530_000000502090_00302_43442_1092.N1	21-JUN-2010 22:45:30	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	43442	No
127	GOM_TRA_1PNPDE20100621_224732_000000502090_00302_43442_1093.N1	21-JUN-2010 22:47:32	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	43442	No
128	GOM_TRA_1PNPDE20100621_225049_000000512090_00302_43442_1094.N1	21-JUN-2010 22:50:49	Straylight	51.000	45	Alp Pav	1.9400	26000.	102	43442	No

129	GOM_TRA_1PNPDE20100621_230008_000000452090_00302_43442_1095.N1	21-JUN-2010 23:00:08	Twilight	45.000	38	20Eps Sgr	1.8360	11000.	90	43442	No
130	GOM_TRA_1PNPDE20100621_230135_000000472090_00302_43442_1096.N1	21-JUN-2010 23:01:35	Twilight	47.000	116	19Del Sgr	2.7000	4100.0	94	43442	No
131	GOM_TRA_1PNPDE20100621_230346_000000382090_00302_43442_1097.N1	21-JUN-2010 23:03:46	Bright	38.000	155	41Pi Sgr	2.9000	6600.0	76	43442	No
132	GOM_TRA_1PNPDE20100621_230638_000000392090_00302_43442_1098.N1	21-JUN-2010 23:06:38	Bright	39.000	86	35Eta Oph	2.4300	10200.	78	43442	No
133	GOM_TRA_1PNPDE20100621_231246_000000402090_00302_43442_1099.N1	21-JUN-2010 23:12:46	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	43442	No
134	GOM_TRA_1PNPDE20100621_231511_000000402090_00302_43442_1100.N1	21-JUN-2010 23:15:11	Bright	40.000	59	55Alp Oph	2.0800	8900.0	80	43442	No
135	GOM_TRA_1PNPDE20100621_232022_000000382090_00302_43442_1101.N1	21-JUN-2010 23:20:22	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	43442	No
136	GOM_TRA_1PNPDE20100621_232505_000000452090_00302_43442_1102.N1	21-JUN-2010 23:25:05	Bright	44.500	5	3Alp Lyr	0.033000	11000.	89	43442	No
137	GOM_TRA_1PNPDE20100621_232653_000000412090_00302_43442_1103.N1	21-JUN-2010 23:26:53	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	43442	No
138	GOM_TRA_1PNPDE20100621_233648_000000442090_00302_43442_1104.N1	21-JUN-2010 23:36:48	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	43442	No
139	GOM_TRA_1PNPDE20100621_234340_000000452090_00302_43442_1105.N1	21-JUN-2010 23:43:40	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	43442	No
140	GOM_TRA_1PNPDE20100621_234510_000000472090_00302_43442_1106.N1	21-JUN-2010 23:45:10	Bright	47.000	68	18Alp Cas	2.2250	4500.0	94	43442	No
141	GOM_TRA_1PNPDE20100621_234718_000000532090_00302_43442_1107.N1	21-JUN-2010 23:47:18	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	43442	No
142	GOM_TRA_1PNPDE20100621_235044_000000592090_00302_43442_1108.N1	21-JUN-2010 23:50:44	Bright	59.000	73	57Gam1And	2.2600	13100.	118	43442	No
143	GOM_TRA_1PNPDE20100621_235307_000000462090_00302_43442_1109.N1	21-JUN-2010 23:53:07	Twilight	46.000	173	4Bet Tri	3.0040	8900.0	92	43442	No
144	GOM_TRA_1PNPDE20100621_235654_000000582090_00302_43442_1110.N1	21-JUN-2010 23:56:54	Twilight	57.500	50	13Alp Ari	2.0070	4250.0	115	43442	No

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



4. Overview of dark signal processing per product

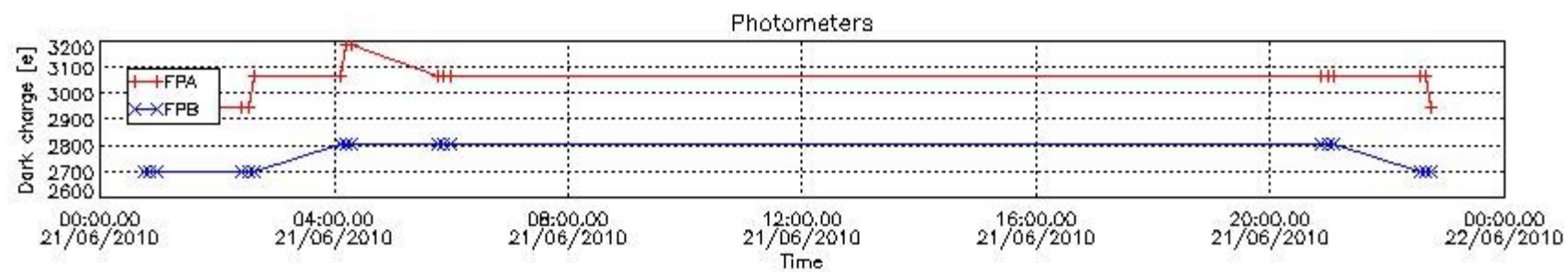
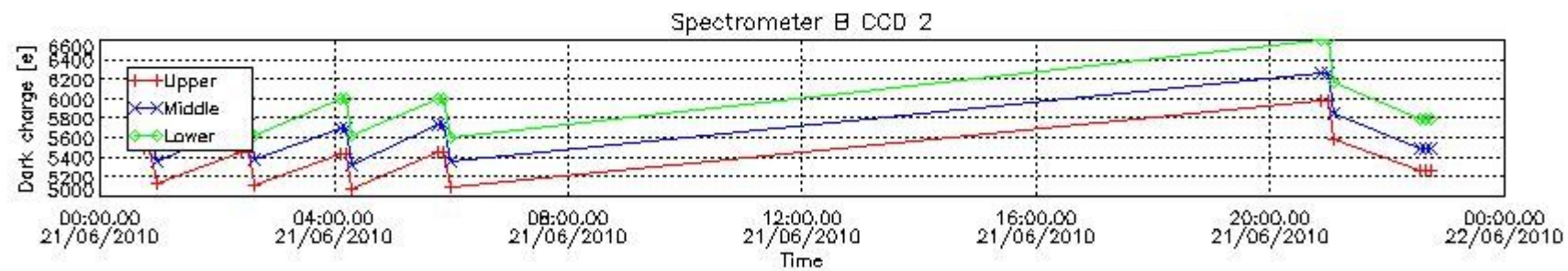
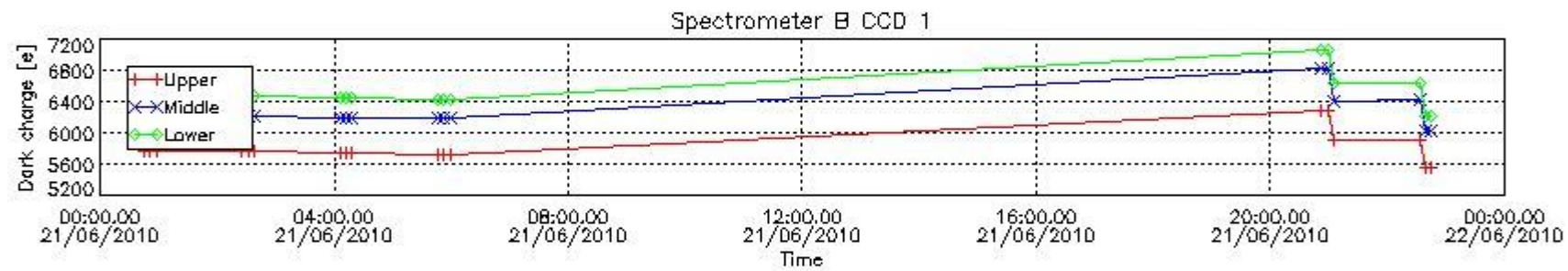
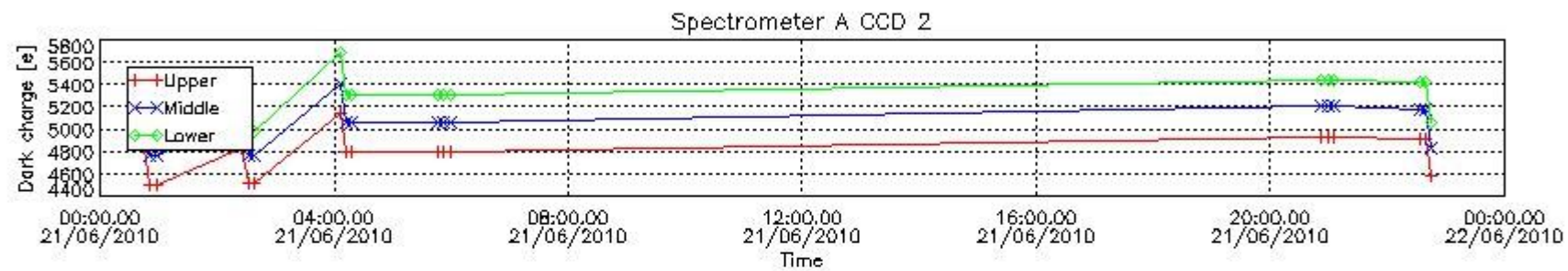
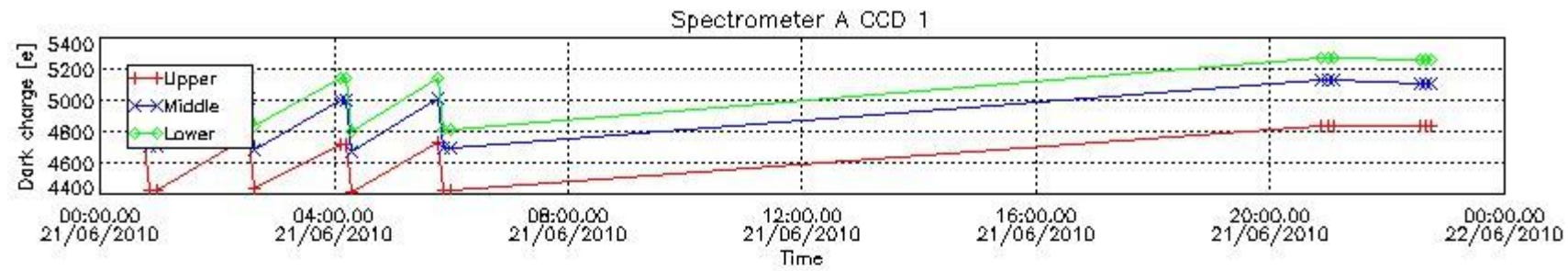
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100621_193856_000000452090_00300_43440_1043.N1	DC map used
GOM_TRA_1PNPDE20100621_194023_000000592090_00300_43440_1044.N1	DC map used
GOM_TRA_1PNPDE20100621_194234_000000332090_00300_43440_1045.N1	DC map used
GOM_TRA_1PNPDE20100621_194526_000000392090_00300_43440_1046.N1	DC map used
GOM_TRA_1PNPDE20100621_195134_000000412090_00300_43440_1047.N1	DC map used
GOM_TRA_1PNPDE20100621_195359_000000412090_00300_43440_1048.N1	DC map used
GOM_TRA_1PNPDE20100621_195910_000000372090_00300_43440_1049.N1	DC map used
GOM_TRA_1PNPDE20100621_200355_000000472090_00300_43440_1050.N1	DC map used
GOM_TRA_1PNPDE20100621_200541_000000402090_00300_43440_1051.N1	DC map used
GOM_TRA_1PNPDE20100621_200736_000000402090_00300_43440_1052.N1	DC map used
GOM_TRA_1PNPDE20100621_201538_000000482090_00300_43440_1053.N1	DC map used
GOM_TRA_1PNPDE20100621_202229_000000462090_00300_43440_1054.N1	DC map used
GOM_TRA_1PNPDE20100621_202359_000000652090_00300_43440_1055.N1	DC map used
GOM_TRA_1PNPDE20100621_202606_000000532090_00300_43440_1056.N1	DC map used
GOM_TRA_1PNPDE20100621_202933_000000462090_00300_43440_1057.N1	DC map used
GOM_TRA_1PNPDE20100621_203155_000000452090_00300_43440_1058.N1	DC map used
GOM_TRA_1PNPDE20100621_203542_000000472090_00300_43440_1059.N1	DC map used

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



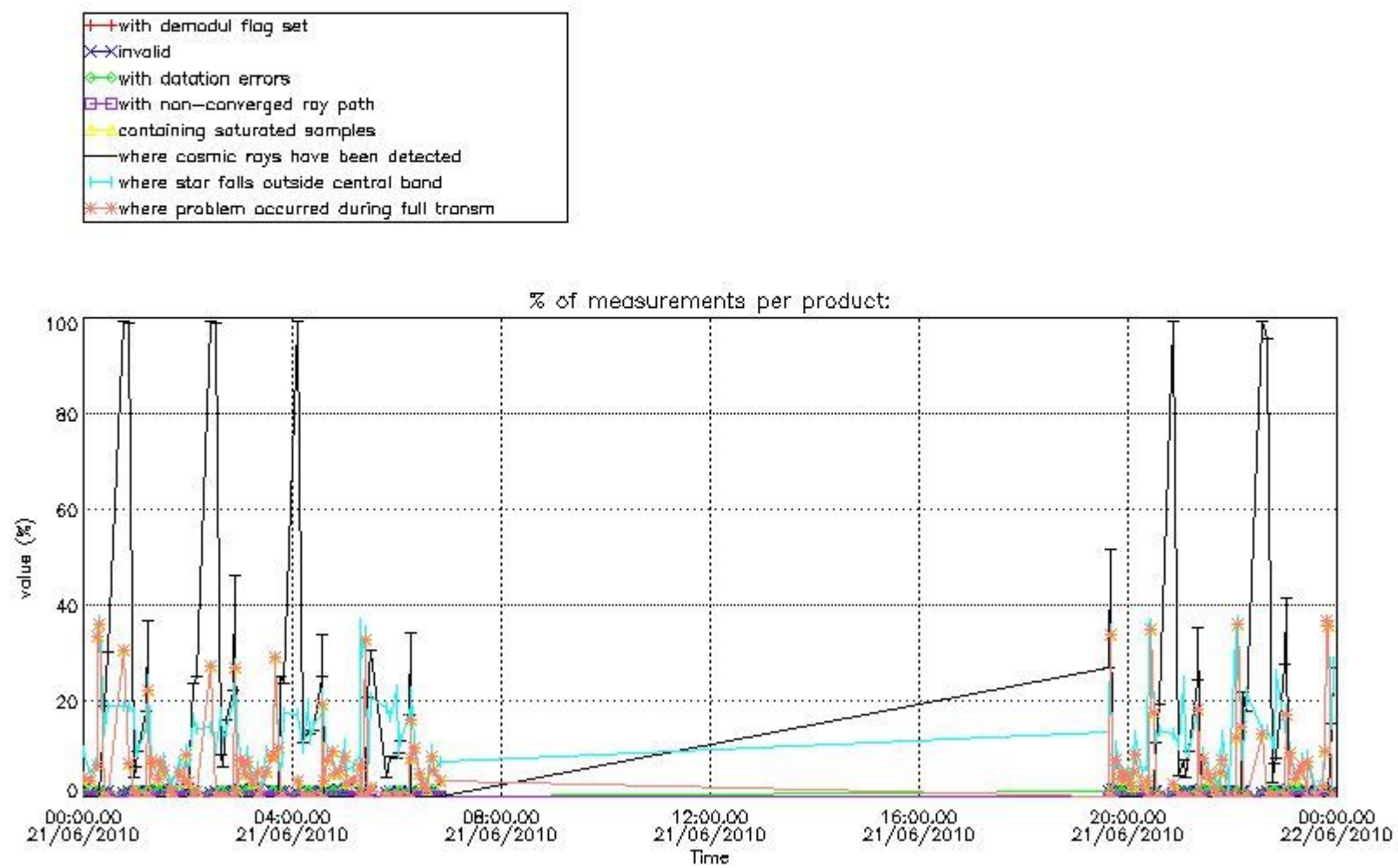
5. Demodulation flag and quality information monitoring

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.

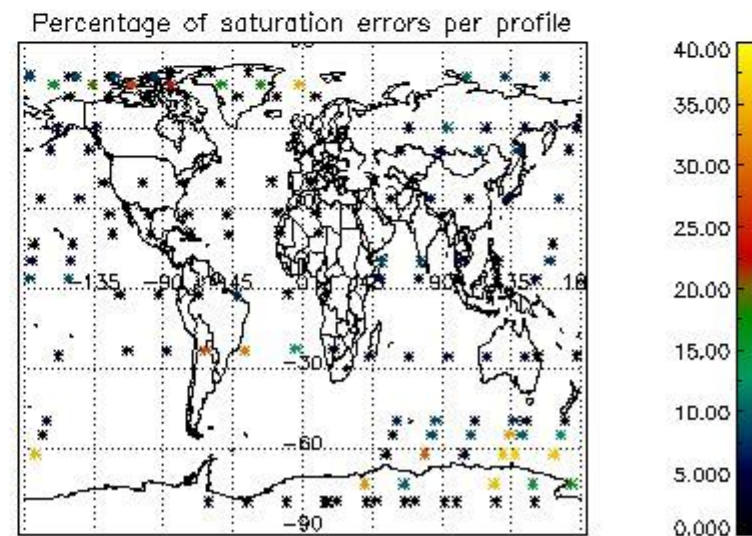
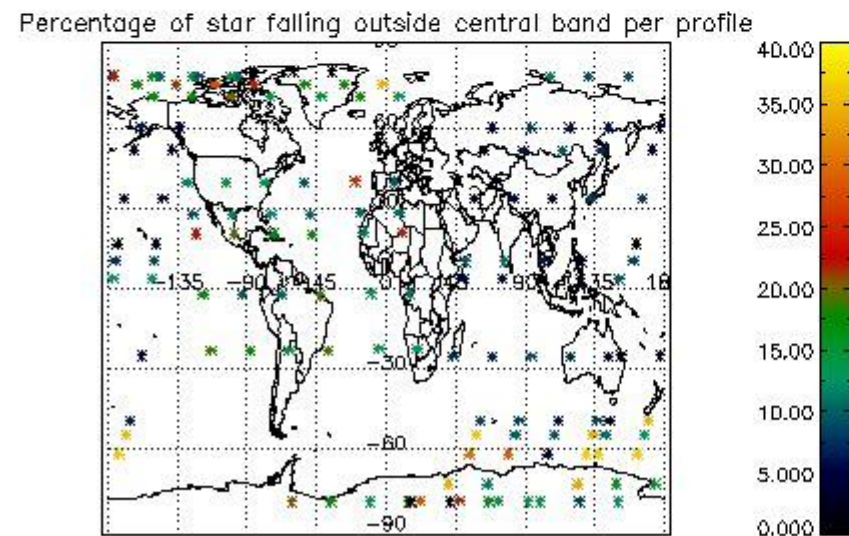
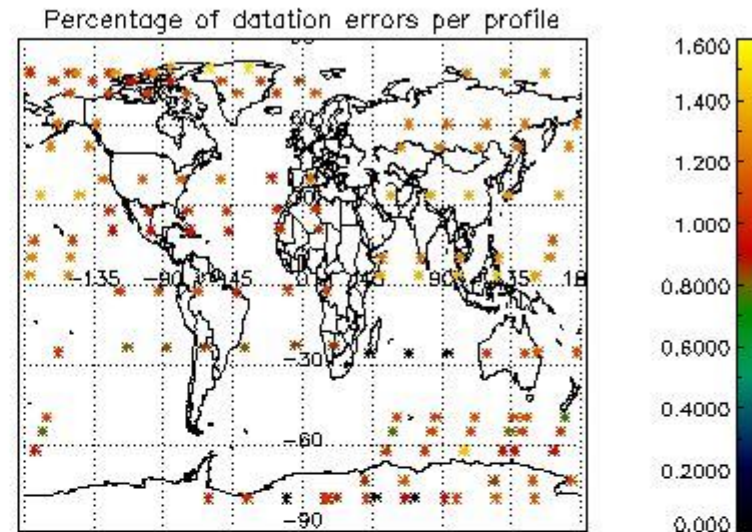
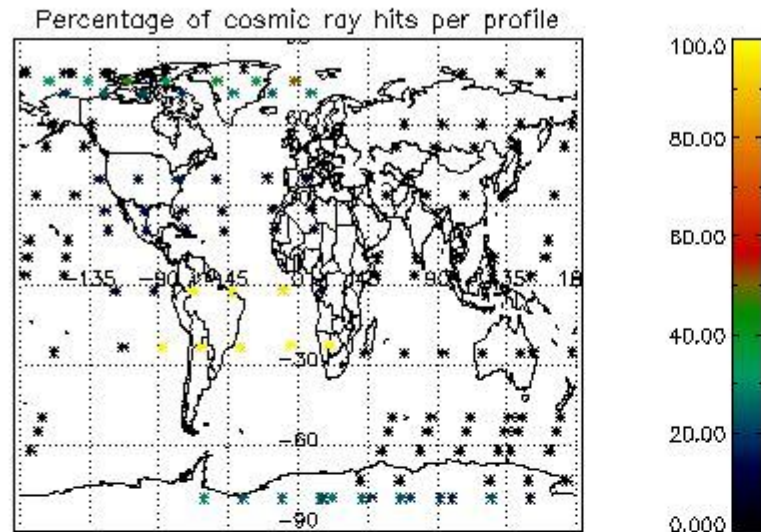
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	36.8056 %
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)



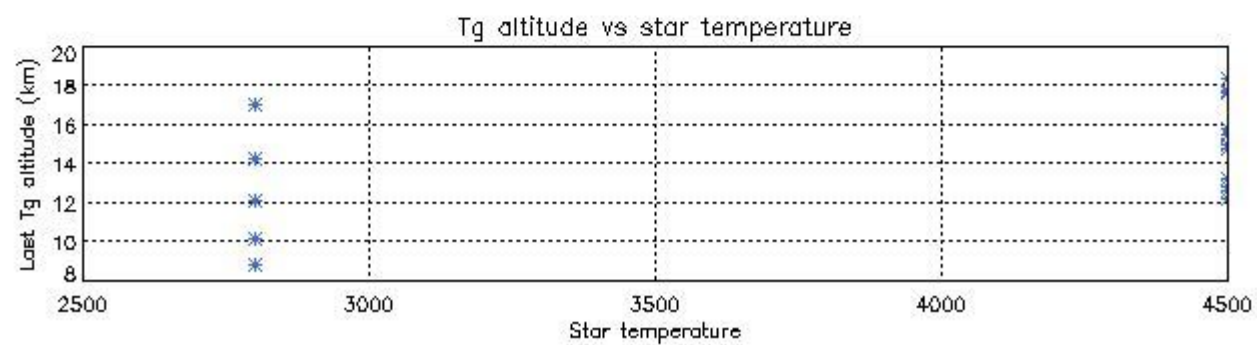
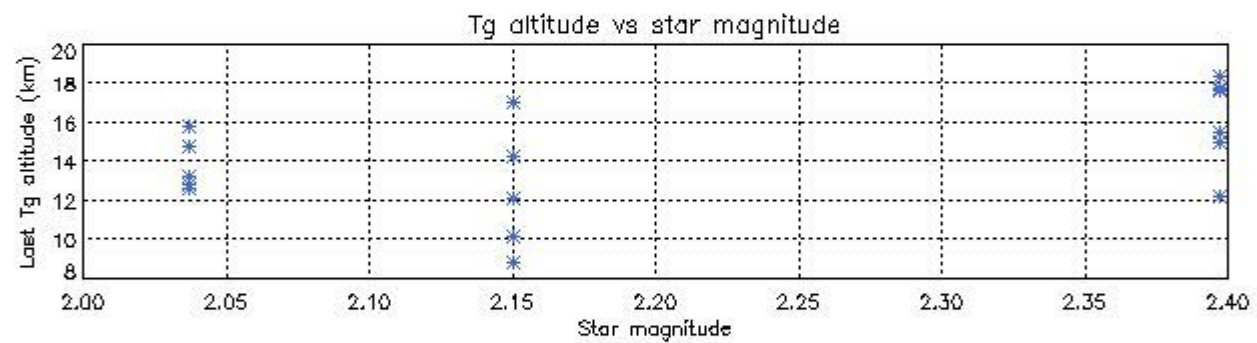
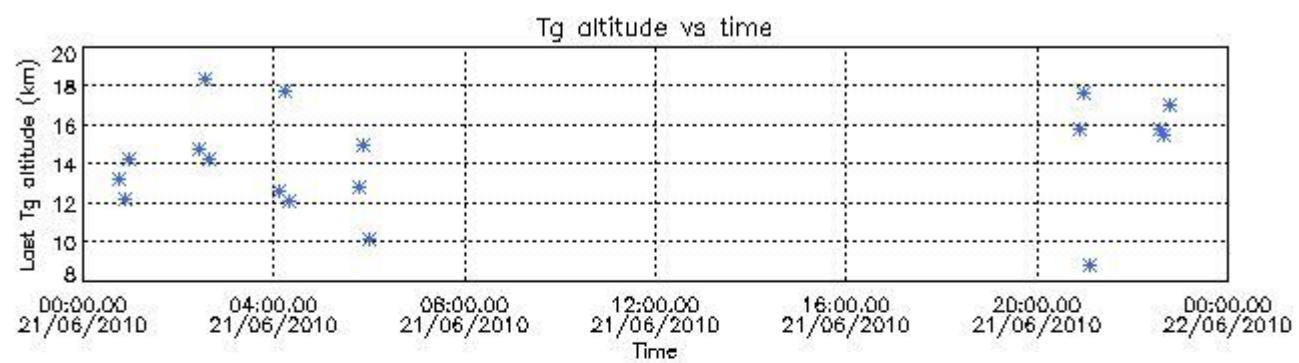
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.323	18.153	11.505
St. deviation:	2.6179	6.9228	2.7004
Maximum:	18.327	44.435	14.649
Minimum:	8.7811	3.5846	6.6656
Number of data:	18.000	85.000	7.0000

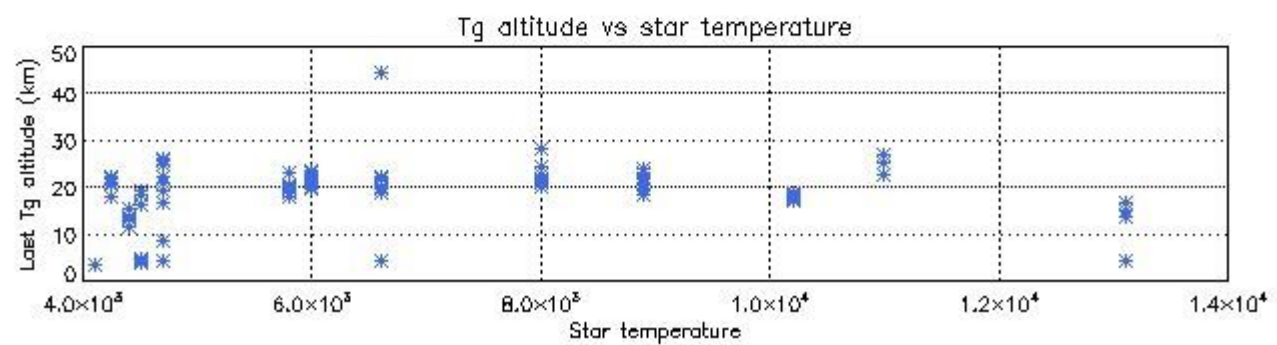
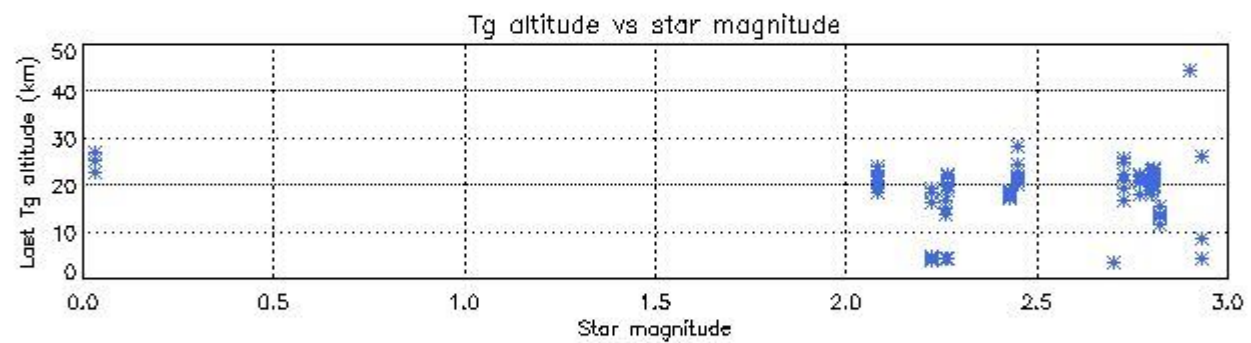
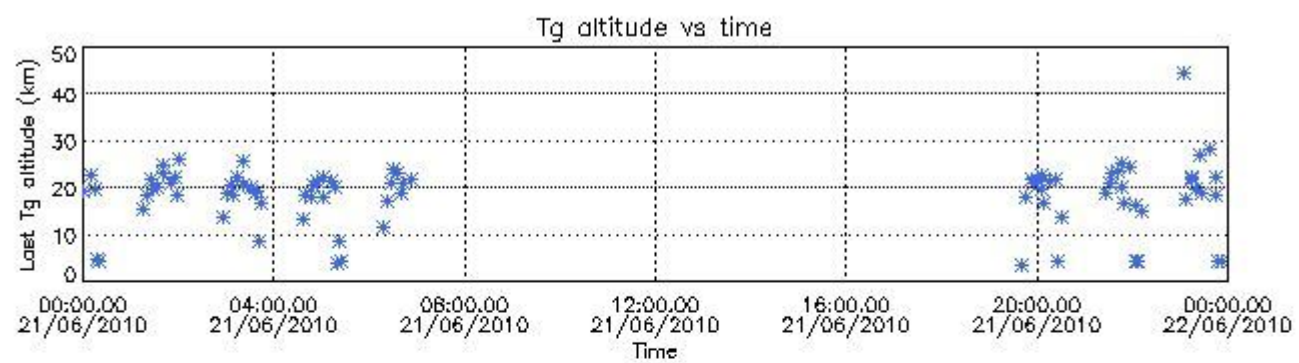
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



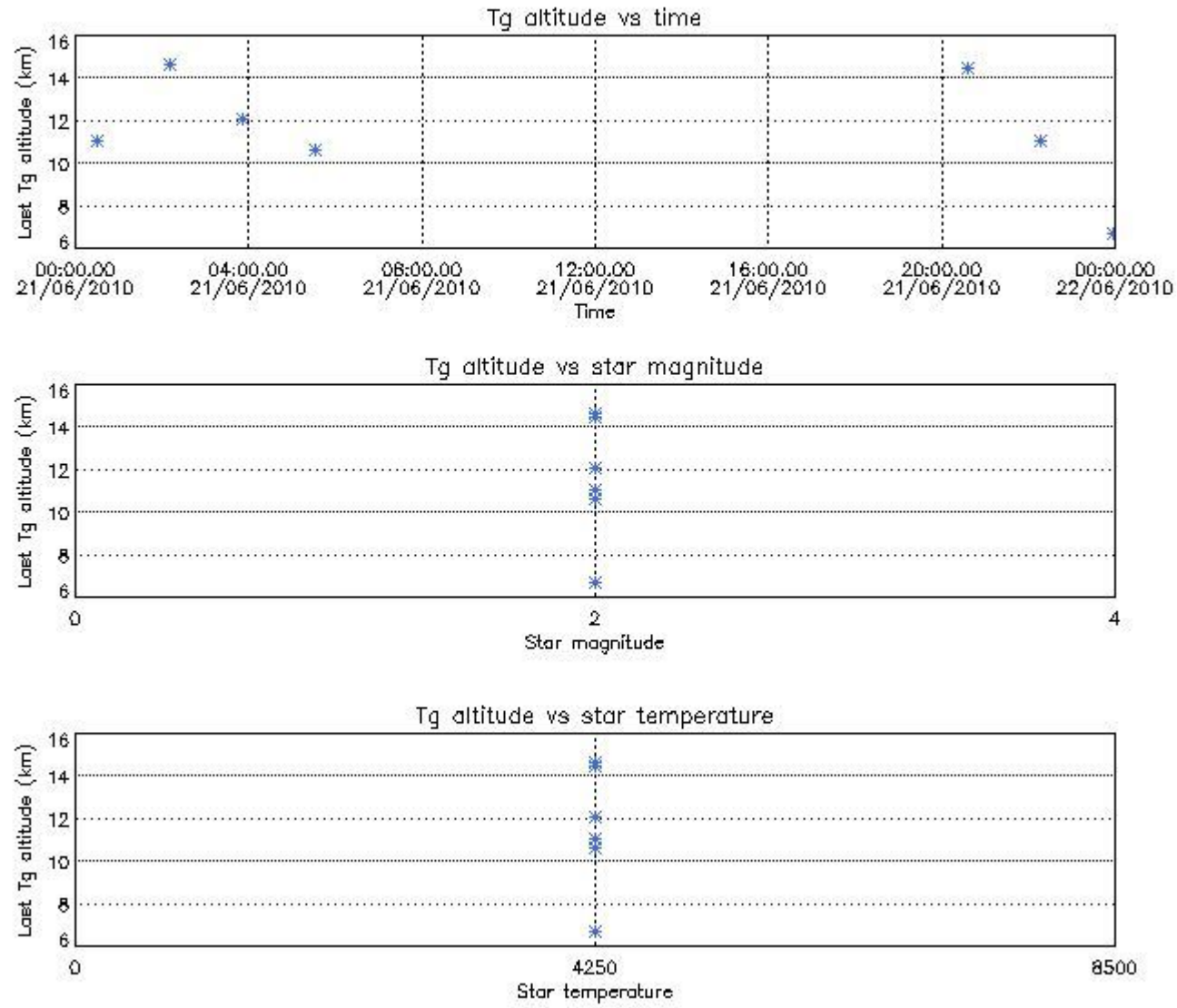
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

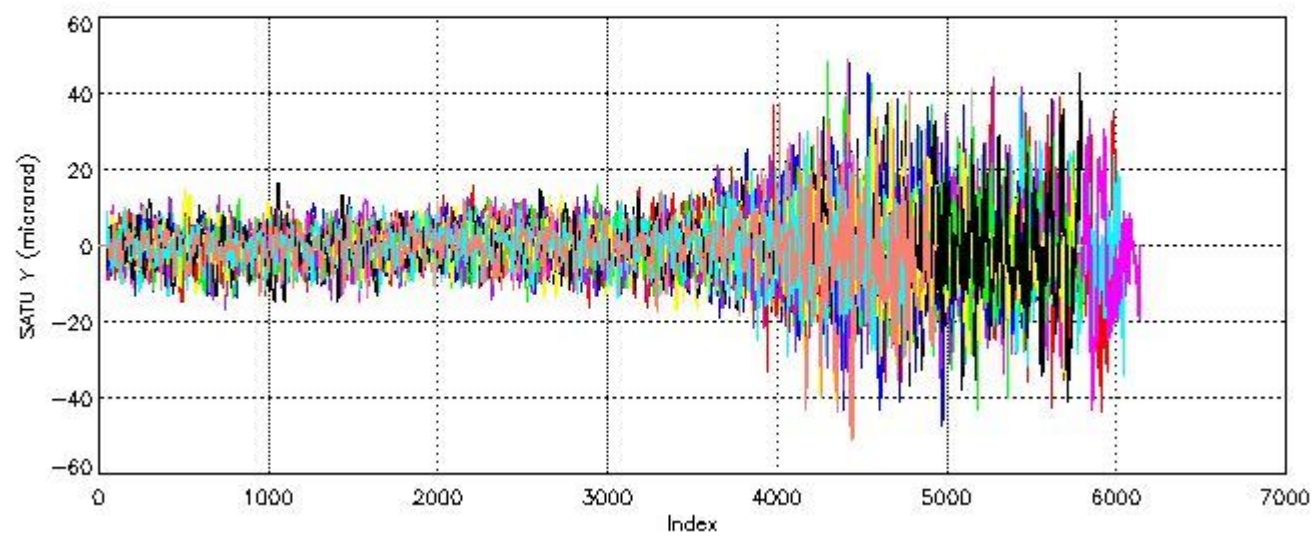
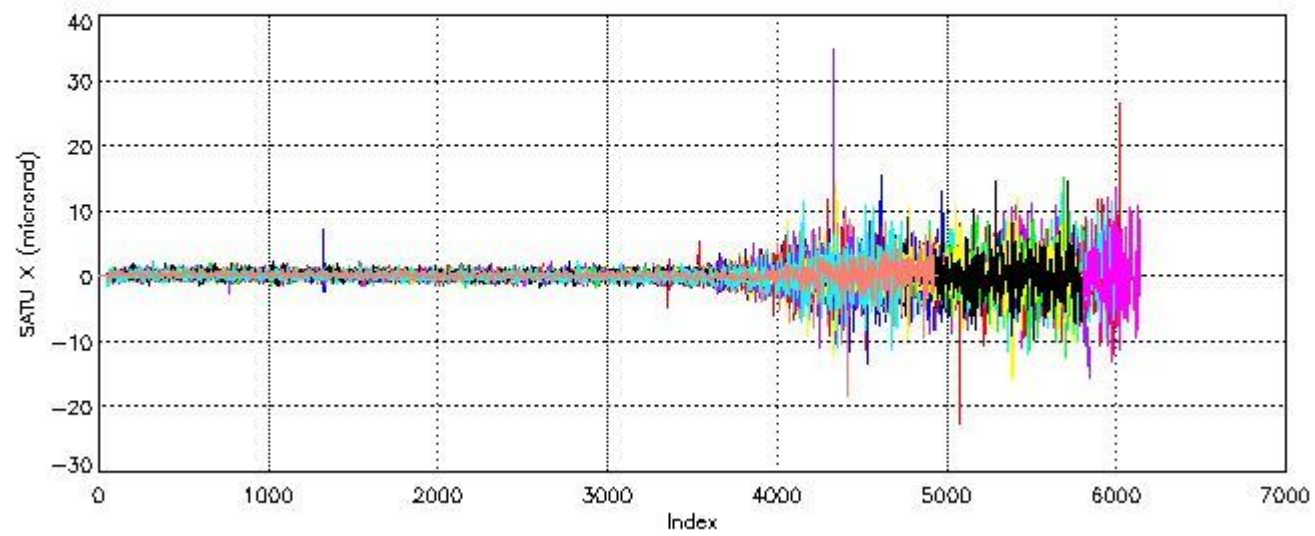


7. Star Acquisition and Tracking Unit (SATU)

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:	0.22847	-0.69457	0.21168	-0.63459
St. deviation:	0.38127	4.1122	0.74502	3.6102
Maximum:	2.2000	16.300	4.3000	14.100
Minimum:	-2.8000	-17.000	-3.7000	-17.800

Number of data:	20550.	20550.	84300.	84300.
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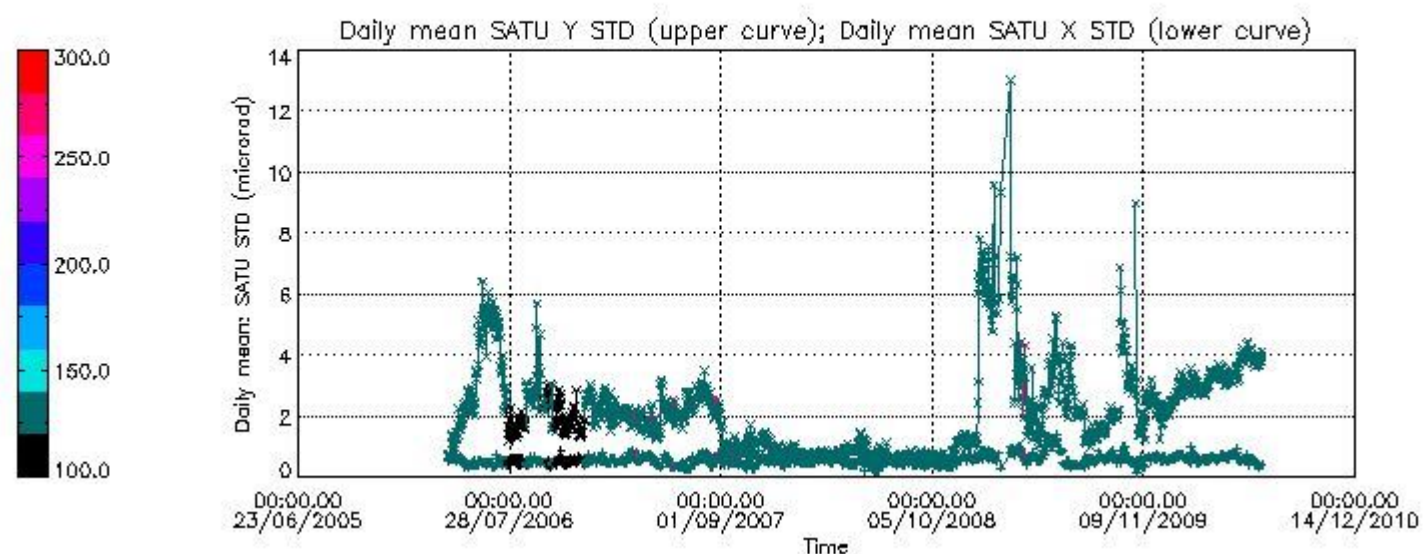
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

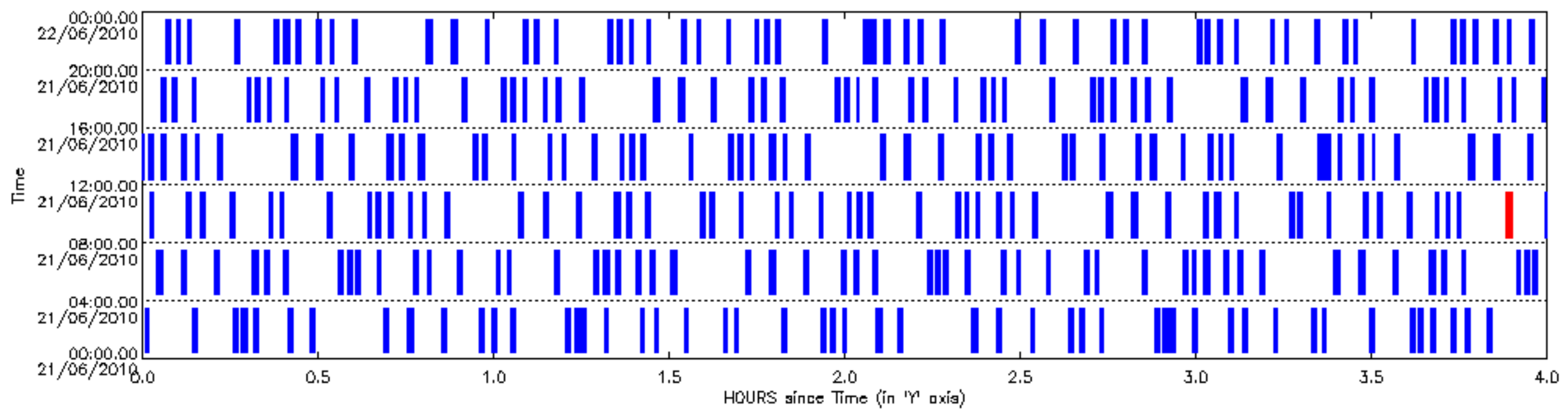
Lower curve: STD of SATU X axis

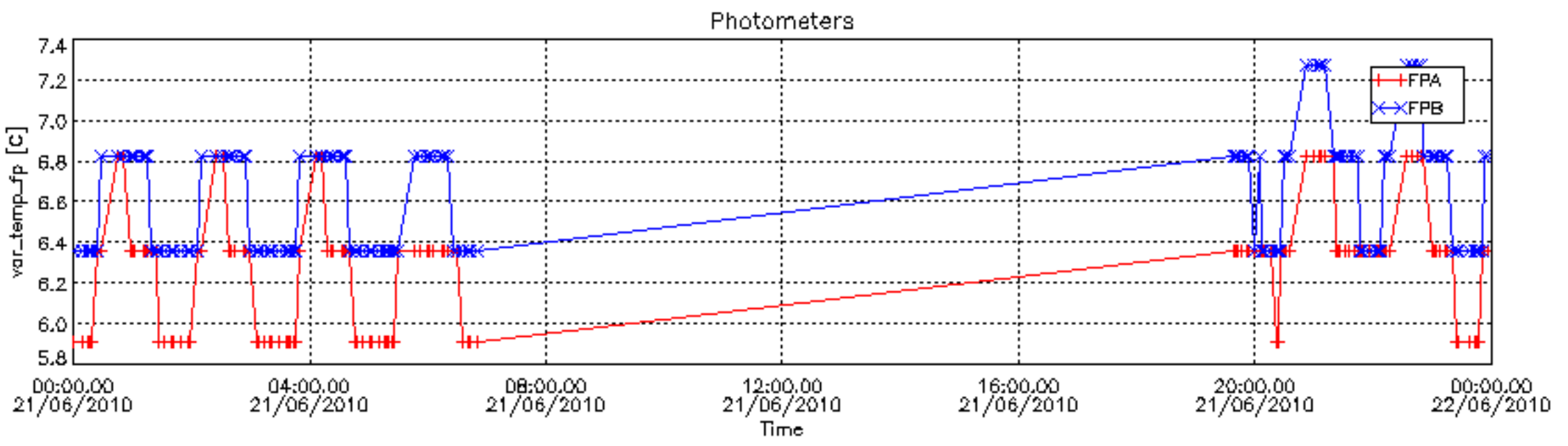
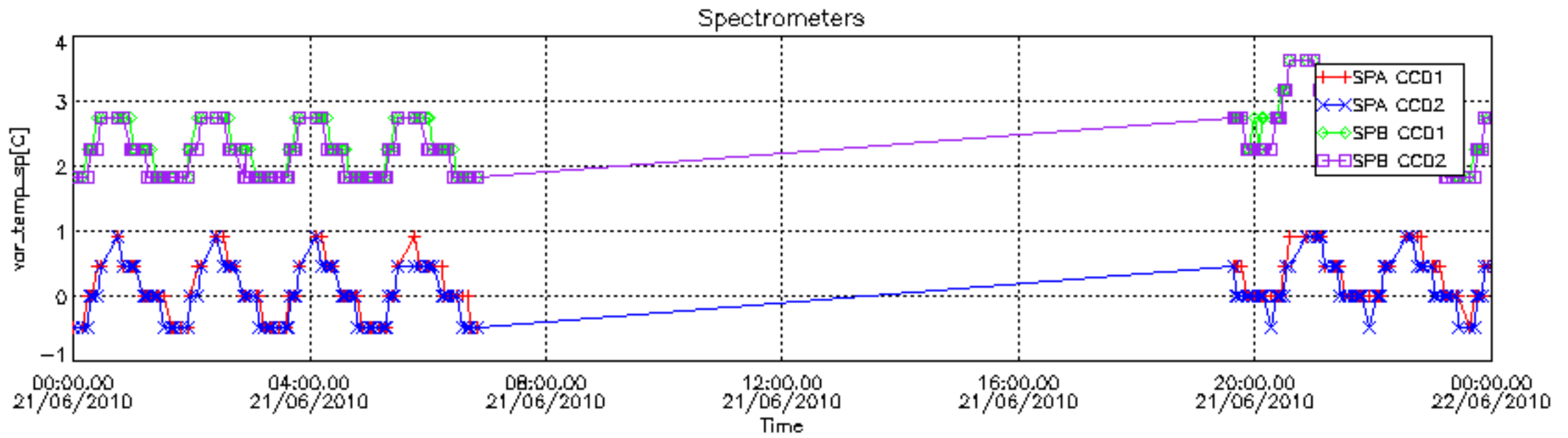


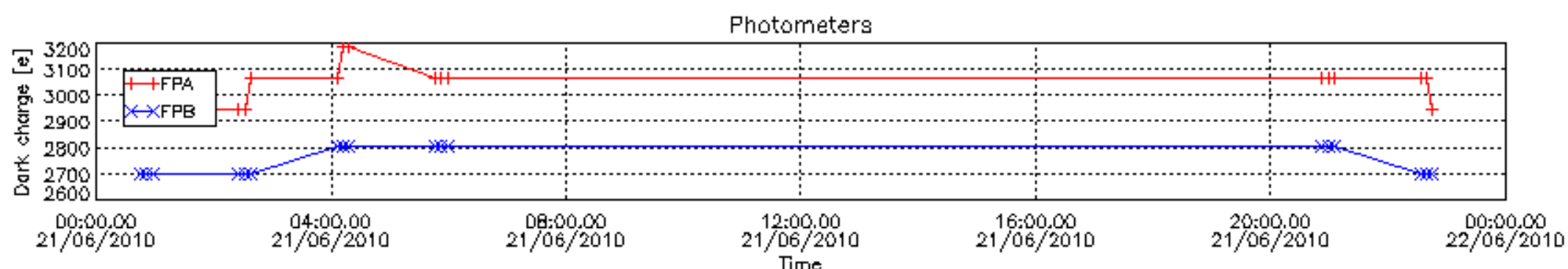
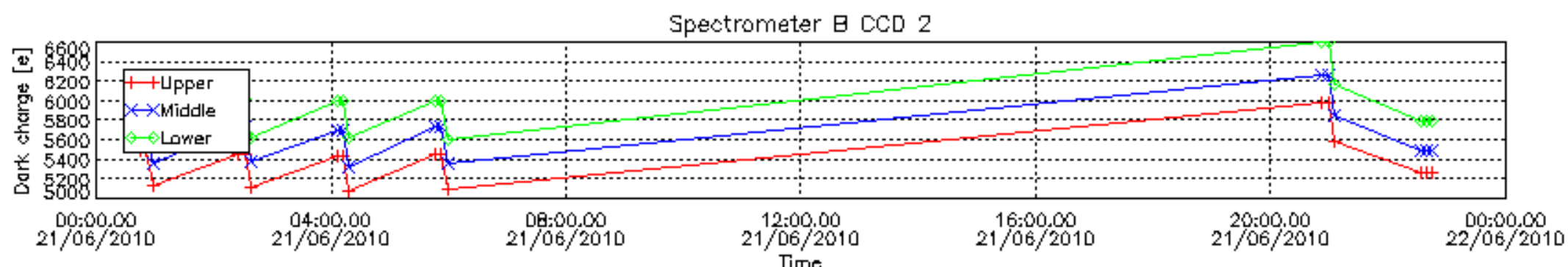
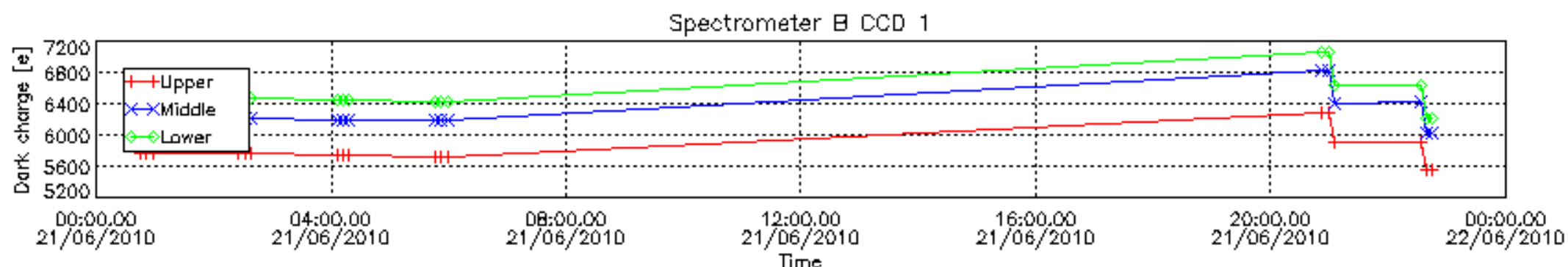
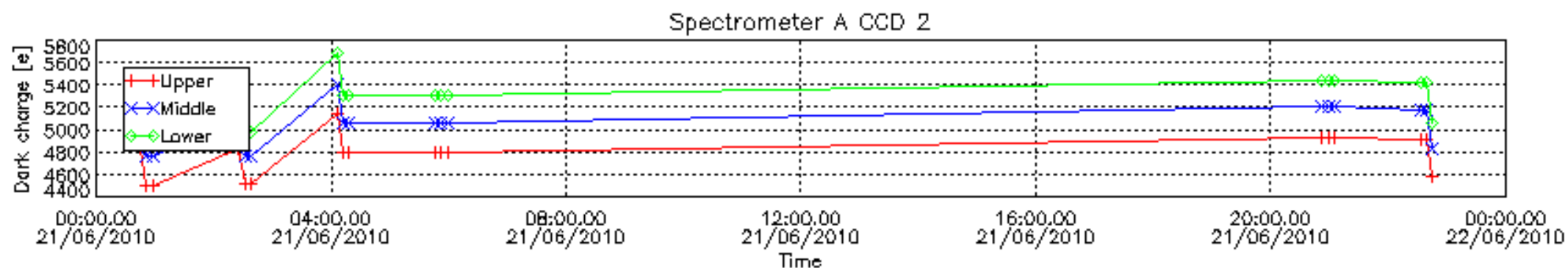
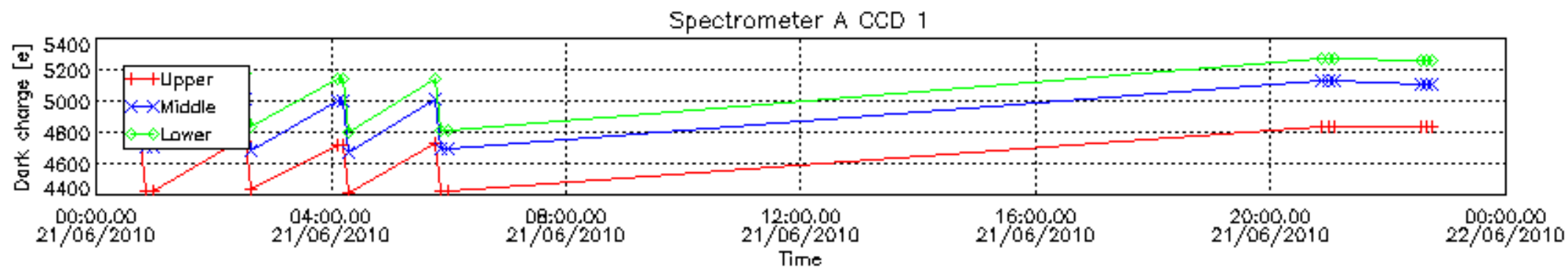
8. Auxiliary Data Files used for the production reported in section 2.4

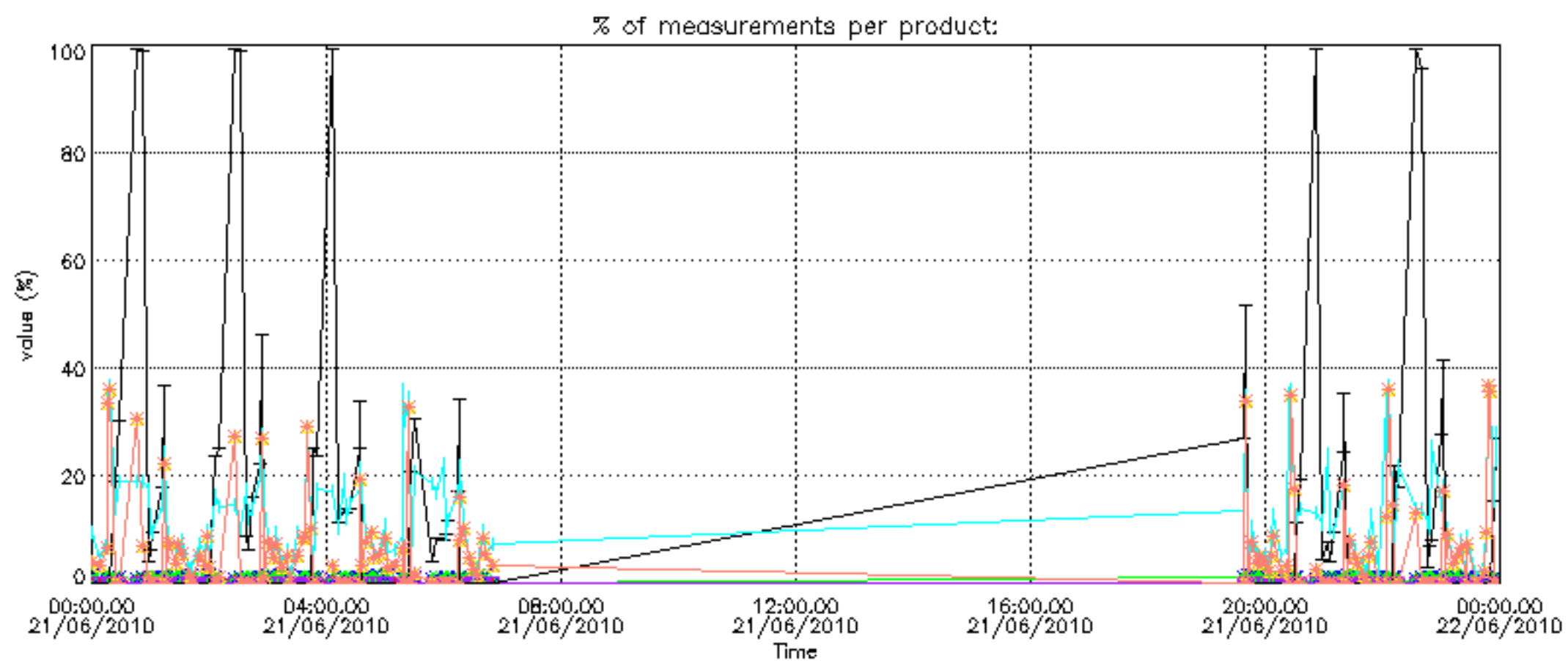
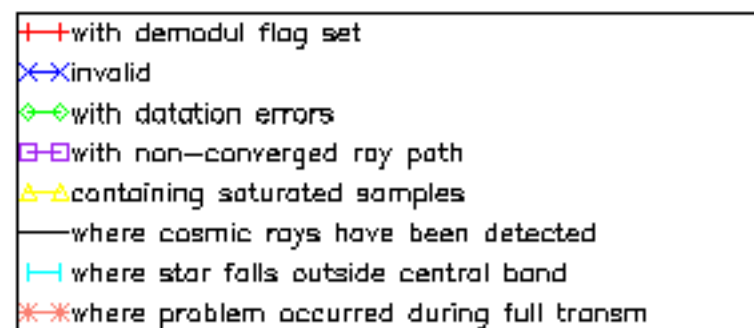
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	21-JUN-2010 00:00:25
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100615_083814_20100613_000000_20500101_000000	1	21-JUN-2010 00:00:25
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	21-JUN-2010 00:00:25
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	21-JUN-2010 00:00:25
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	21-JUN-2010 00:00:25
ECMWF_FILE	AUX_ECF_AXNECM20100620_054114_20100620_210000_20100621_090000	1	21-JUN-2010 00:00:25
ECMWF_FILE	AUX_ECF_AXNECM20100620_172115_20100621_030000_20100621_150000	43	21-JUN-2010 03:36:33
ECMWF_FILE	AUX_ECA_AXNECM20100621_051556_20100620_210000_20100621_090000	64	21-JUN-2010 05:17:09
ECMWF_FILE	AUX_ECA_AXNECM20100621_171556_20100621_090000_20100621_210000	85	21-JUN-2010 19:38:56
ECMWF_FILE	AUX_ECF_AXNECM20100621_053554_20100621_150000_20100622_030000	102	21-JUN-2010 20:52:40
ECMWF_FILE	AUX_ECF_AXNECM20100621_053554_20100621_210000_20100622_090000	124	21-JUN-2010 22:33:17
OPTIONAL_ECMWF_FILE	MISSING	1	21-JUN-2010 00:00:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100620_225615_000057382090_00287_43427_0593.N1	1	21-JUN-2010 00:00:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100621_003712_000054192090_00288_43428_0594.N1	8	21-JUN-2010 00:45:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100621_021251_000044632090_00289_43429_0595.N1	28	21-JUN-2010 02:25:51
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100621_033232_000057382090_00290_43430_0596.N1	43	21-JUN-2010 03:36:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100621_050811_000060572090_00291_43431_0597.N1	64	21-JUN-2010 05:17:09
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100621_193413_000038252090_00300_43440_0598.N1	85	21-JUN-2010 19:38:56
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100621_204317_000057382090_00300_43440_0599.N1	102	21-JUN-2010 20:52:40
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100621_222414_000057382090_00301_43441_0600.N1	124	21-JUN-2010 22:33:17

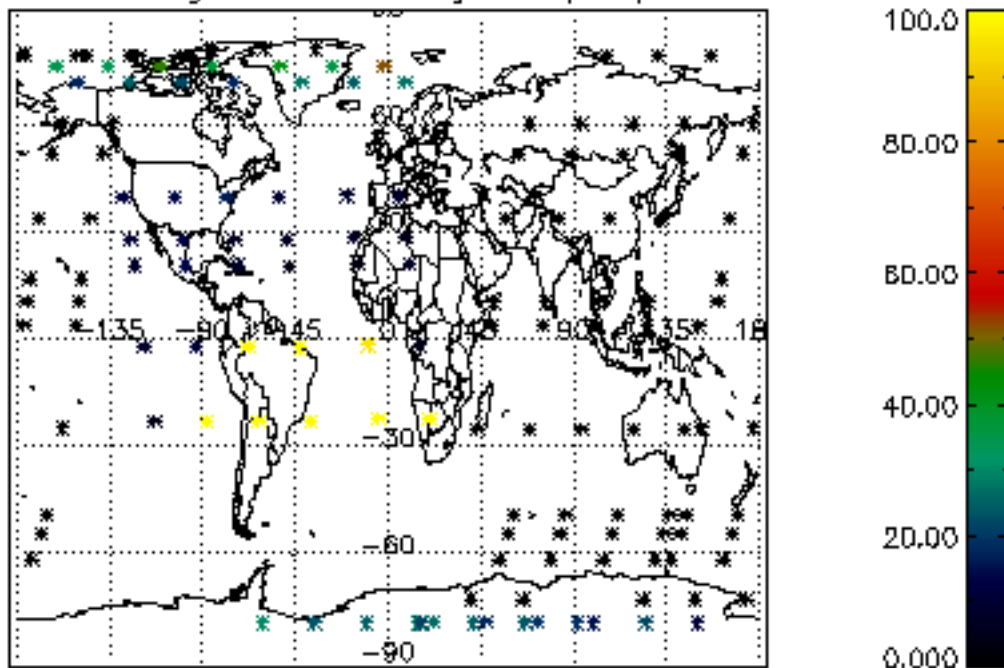




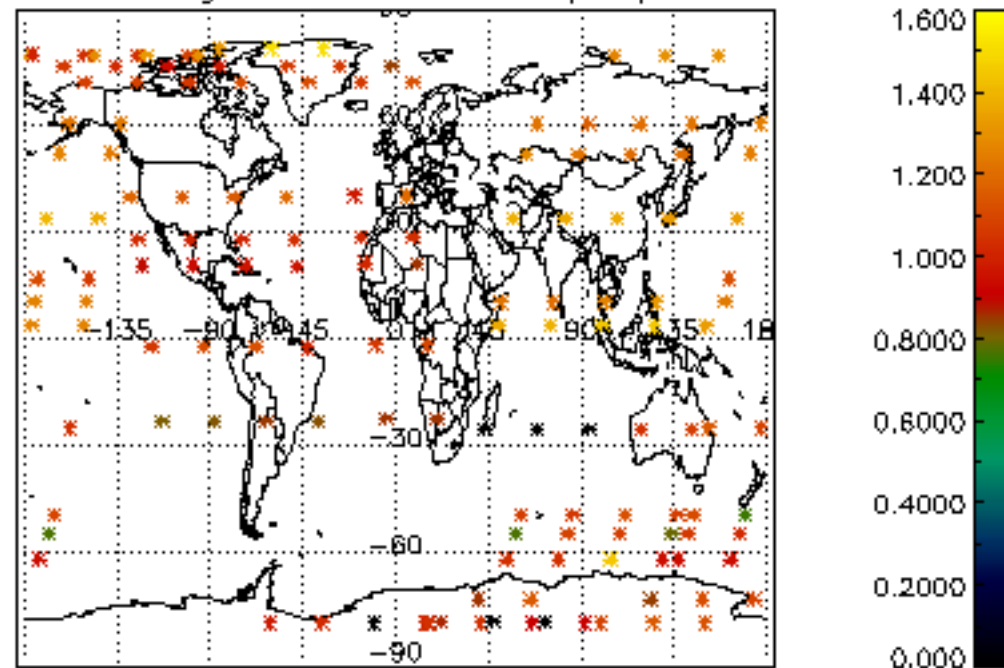




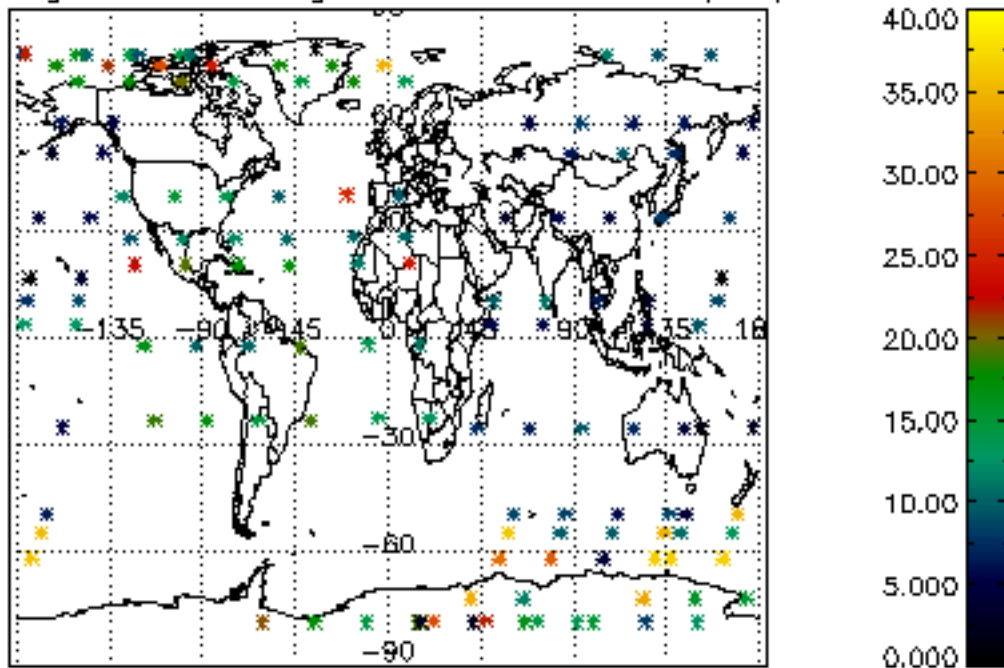
Percentage of cosmic ray hits per profile



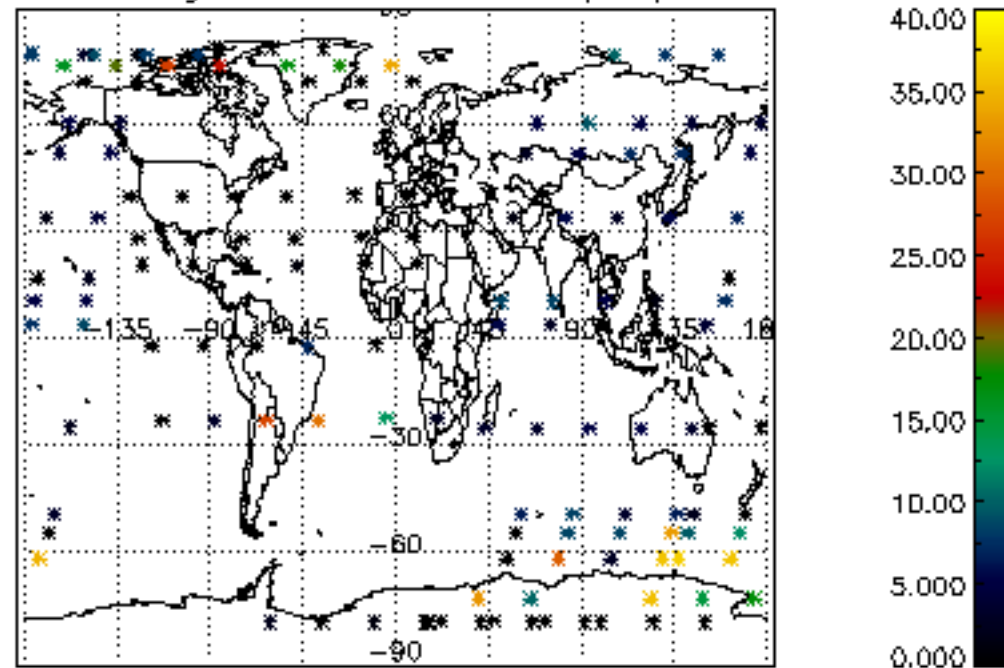
Percentage of datation errors per profile



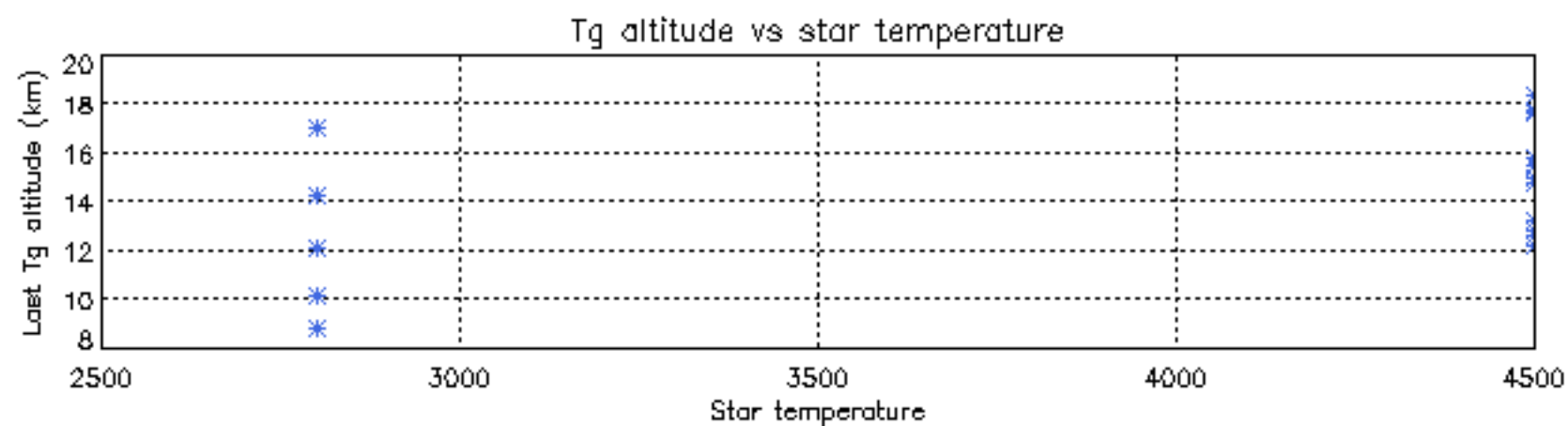
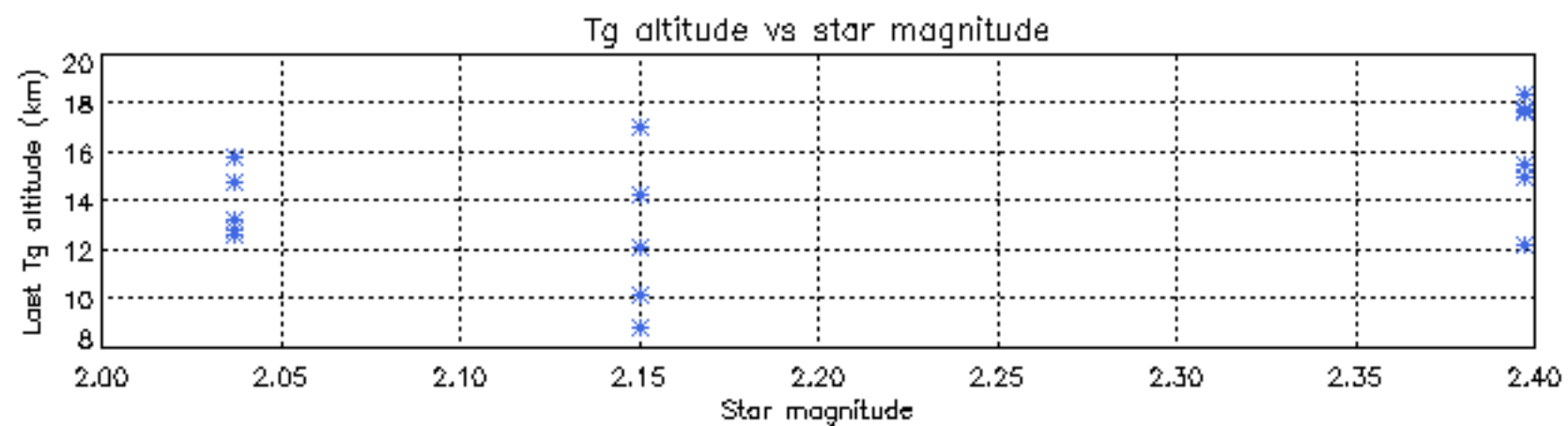
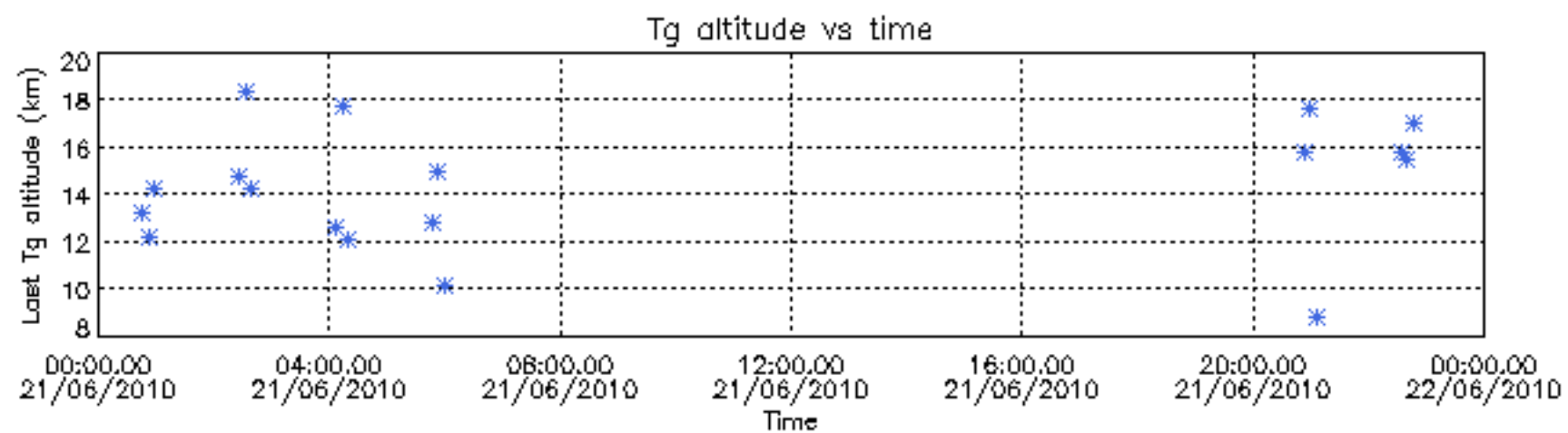
Percentage of star falling outside central band per profile



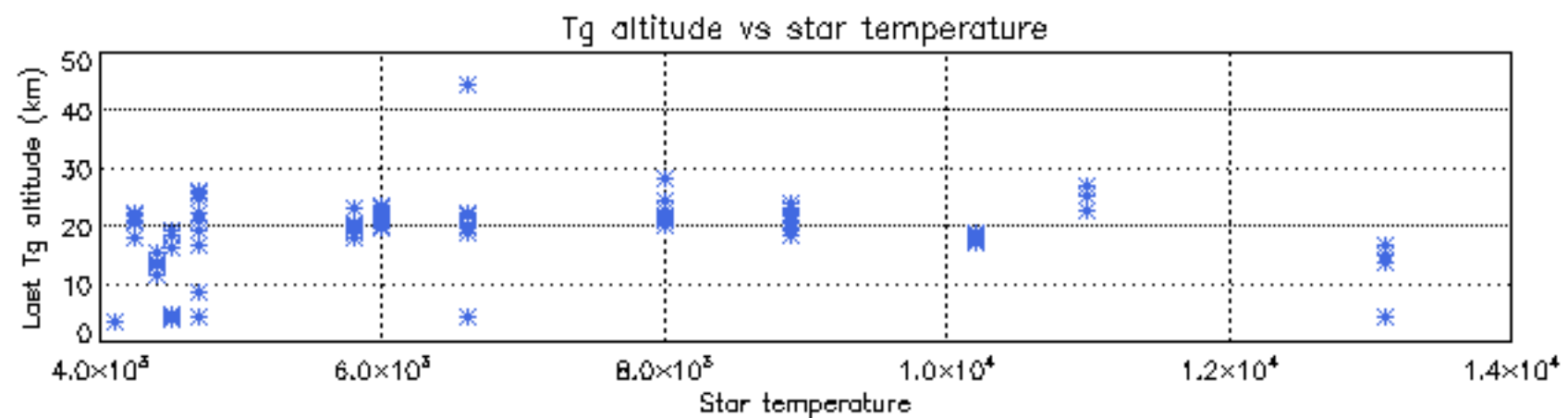
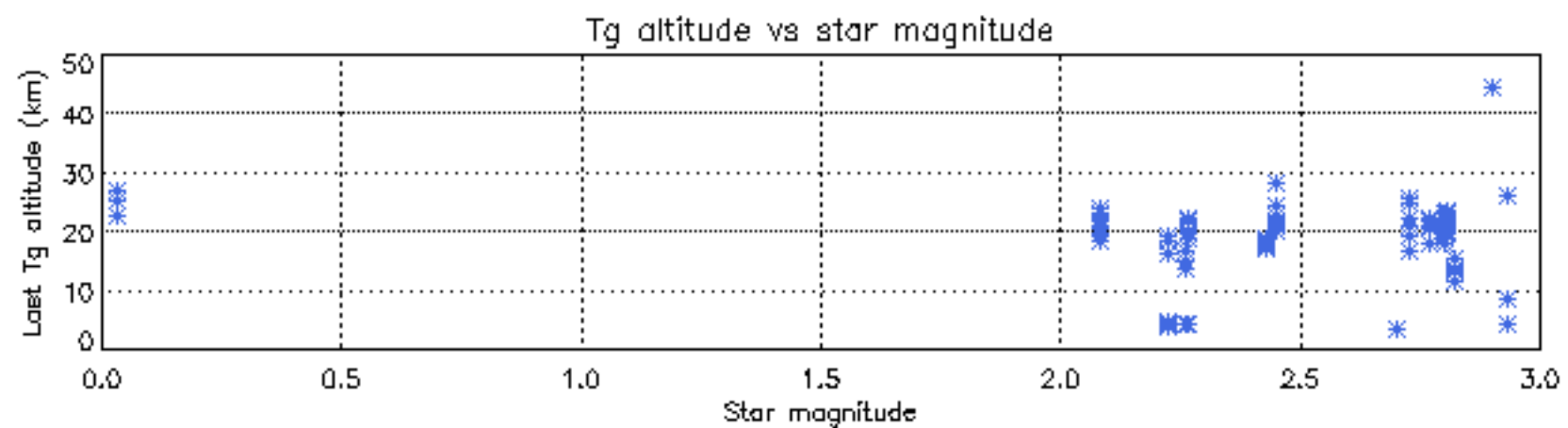
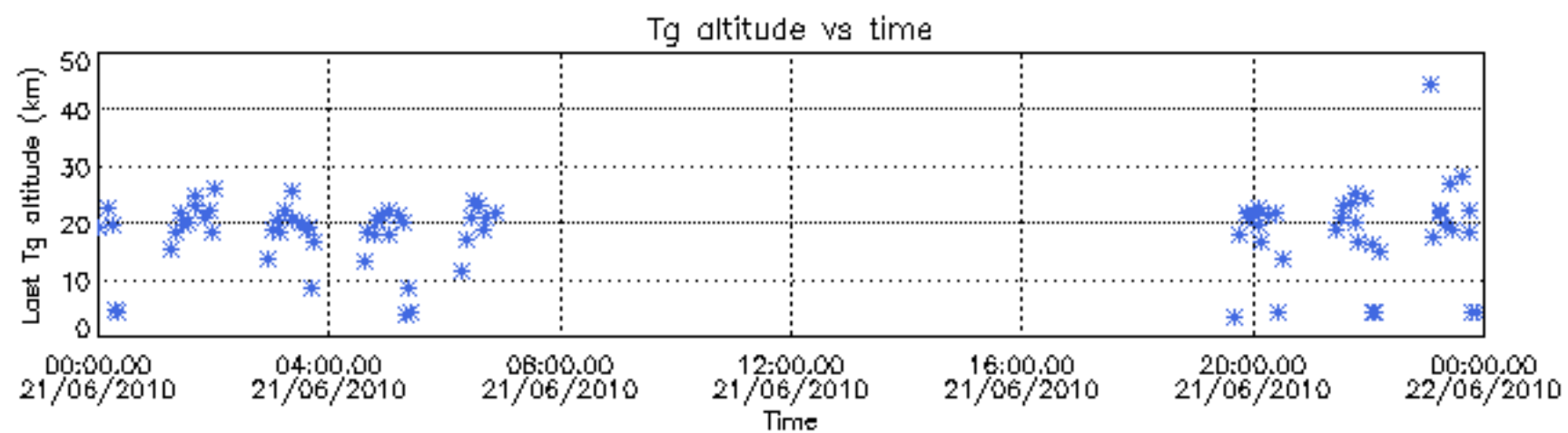
Percentage of saturation errors per profile



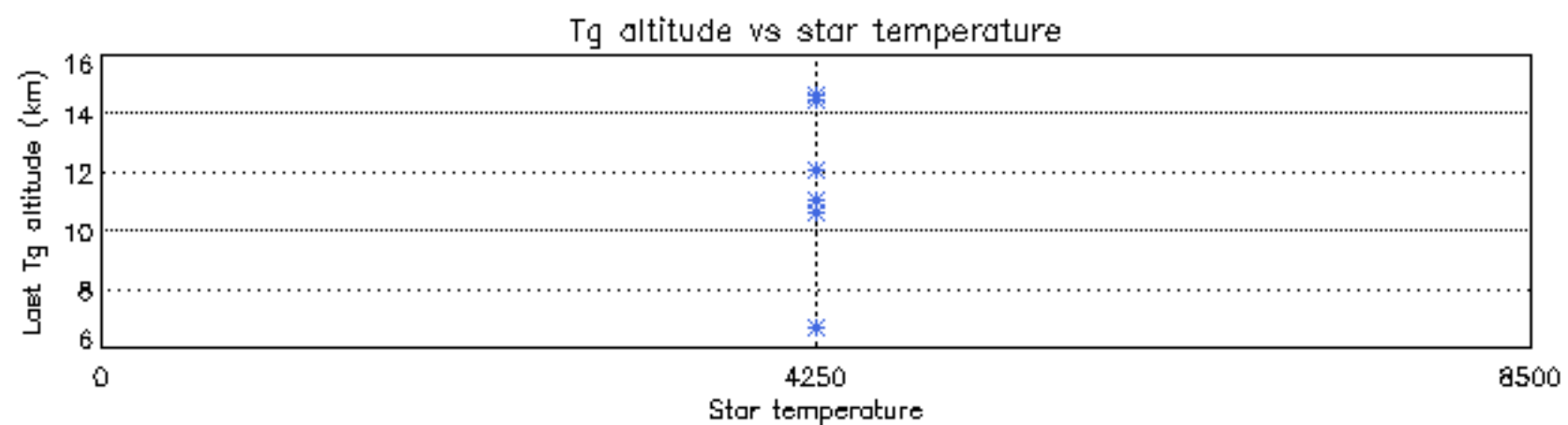
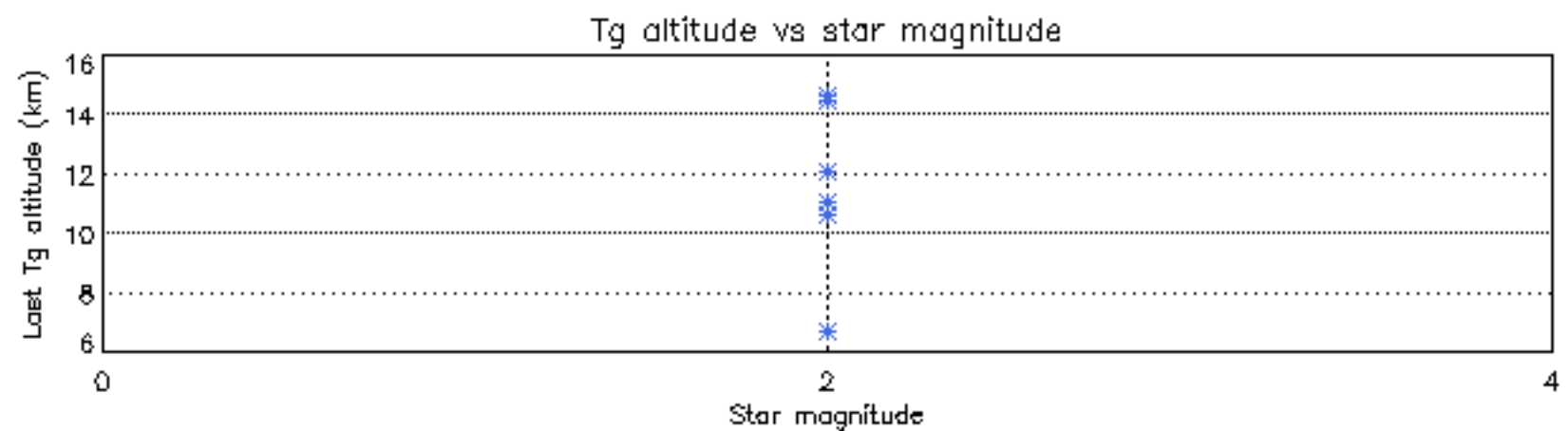
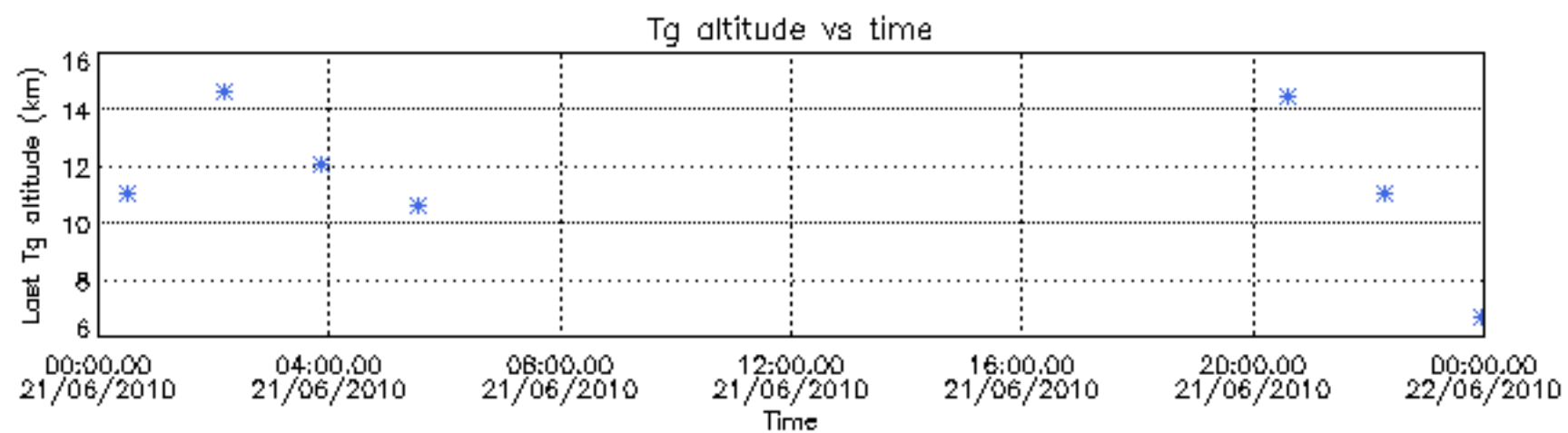
Tangent altitude at which the star is lost

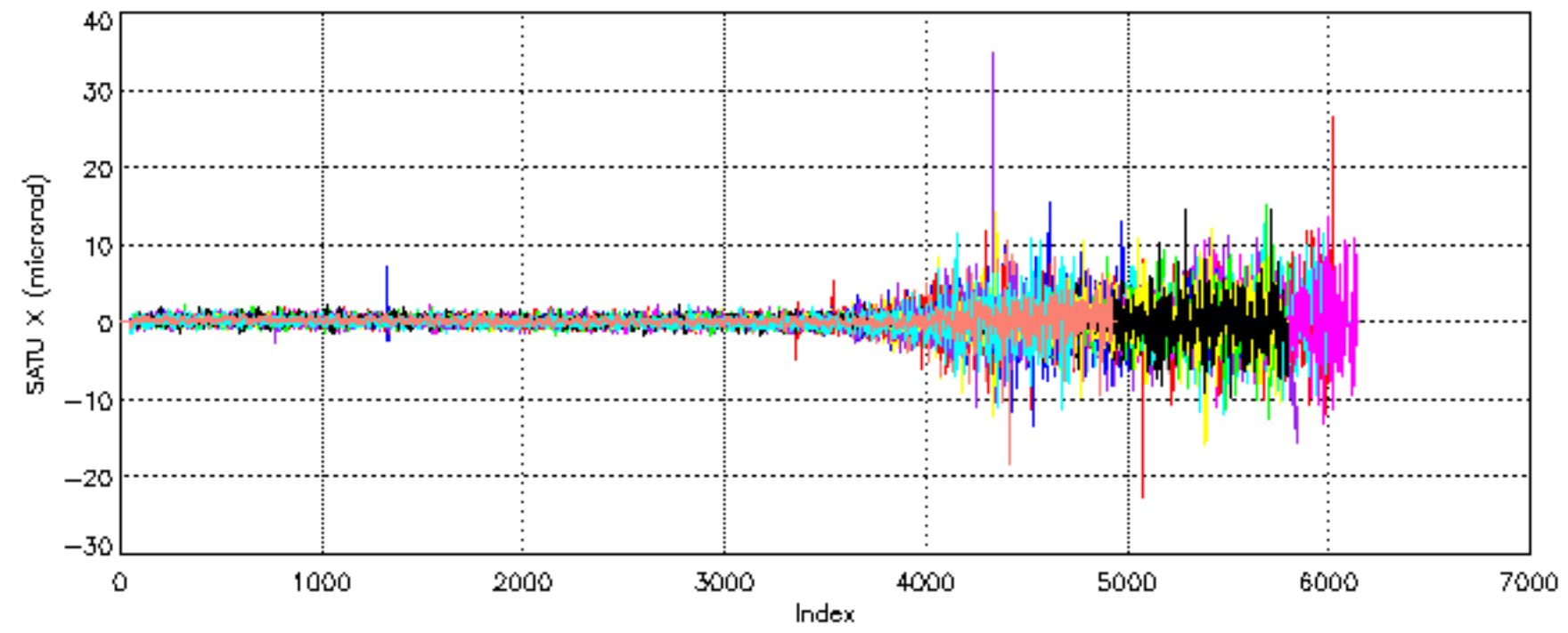


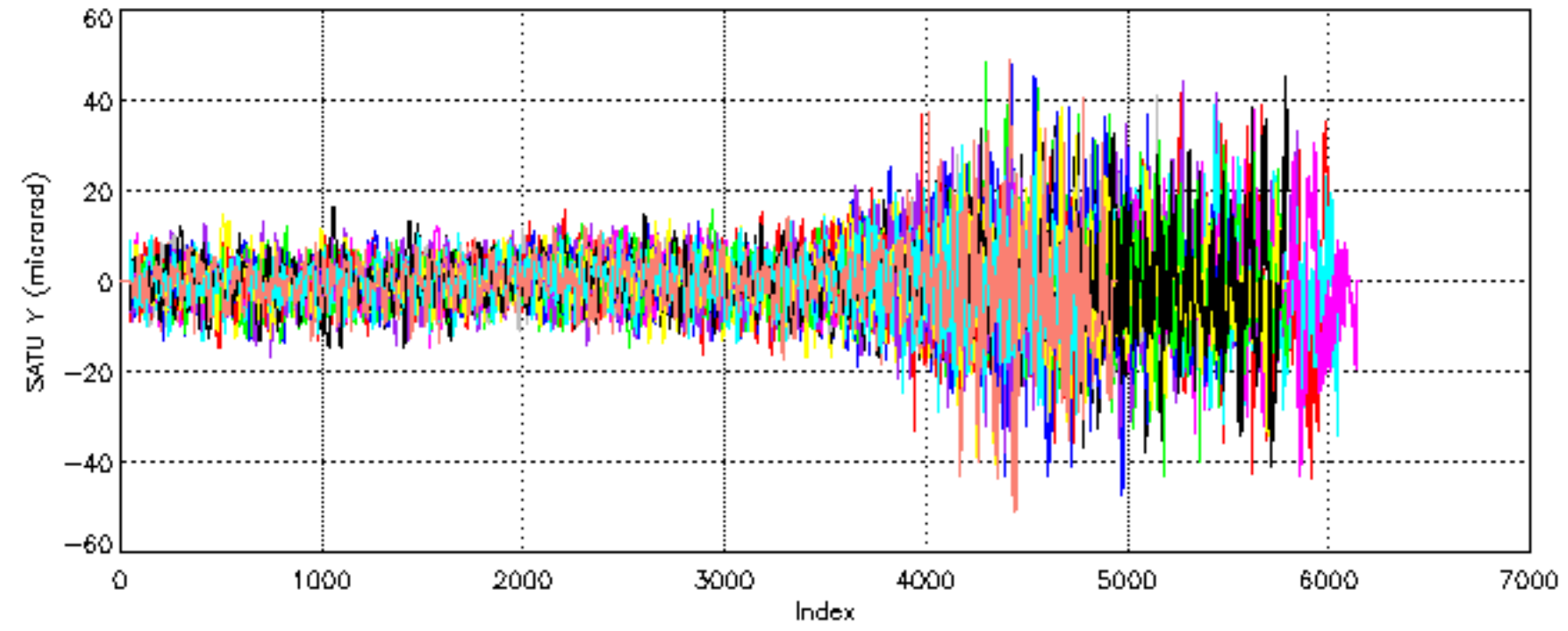
Tangent altitude at which the star is lost

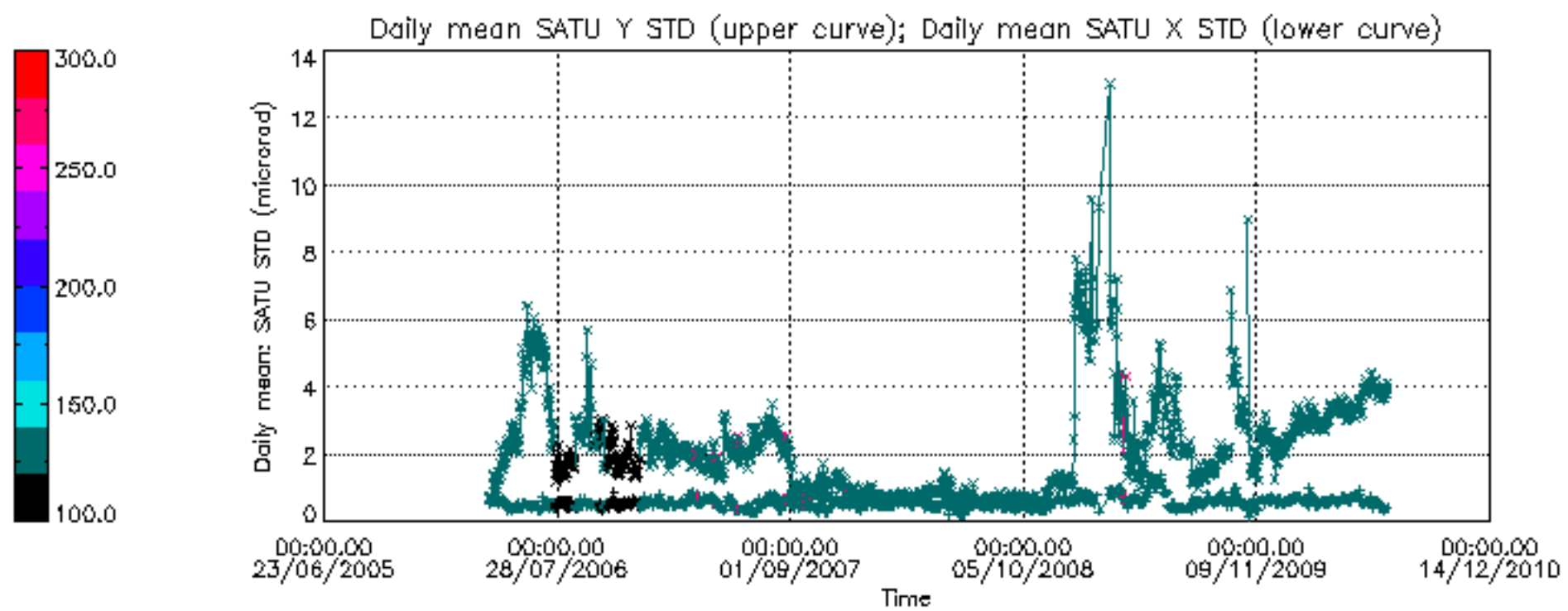


Tangent altitude at which the star is lost









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 4; 187.0; 01-JUN-2010 01:23:38; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43143
 5; 486.0; 01-JUN-2010 01:28:37; Dark ; 44.0; 45; Alp Pav ; 1.94; 26000;occ; 88; 0;43143
 6; 933.8; 01-JUN-2010 01:36:05; Dark ; 40.0; 147; Alp Ara ; 2.88; 26000;occ; 80; 0;43143
 7; 1034.9; 01-JUN-2010 01:37:46; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43143
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 18; 3005.3; 01-JUN-2010 02:10:37; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;43143
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 22; 4555.3; 01-JUN-2010 02:36:27; Dark ; 53.0; 58; 21Alp And ; 2.07; 11000;occ; 106; 0;43143
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 40; 8405.0; 01-JUN-2010 03:40:36; Bright; 36.5; 67; 5Alp CrB ; 2.22; 11000;occ; 73; 0;43144
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 2; 3629.4; 01-JUN-2010 04:01:37; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;43144
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 7; 5280.6; 01-JUN-2010 04:29:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43144
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 11; 6224.6; 01-JUN-2010 04:44:52; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;43145
 12; 6523.6; 01-JUN-2010 04:49:51; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43145
 13; 6970.6; 01-JUN-2010 04:57:18; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;43145
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 22; 8050.5; 01-JUN-2010 05:15:18; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;43145
 23; 8405.1; 01-JUN-2010 05:21:12; Bright; 36.5; 67; 5Alp CrB ; 2.22; 11000;occ; 73; 0;43145
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 25; 9040.7; 01-JUN-2010 05:31:48; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43145

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3;-1480.2; 01-JUN-2010 05:57:39; Dark ; 52.0; 58; 21Alp And ; 2.07; 11000;occ; 104; 0;43145
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3;-1479.8; 01-JUN-2010 07:38:15; Dark ; 56.0; 58; 21Alp And ; 2.07; 11000;occ; 112; 0;43146
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 22; 6541.6; 15-JUN-2010 19:15:18; Dark ; 47.0; 172; Gam Gru ; 3.00; 13100;occ; 94; 0;43354
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 2; 1619.7; 19-JUN-2010 15:46:48; Bright; 39.5; 86; 35Eta Oph ; 2.43; 10200;occ; 79; 0;43409
 3; 1996.8; 19-JUN-2010 15:53:05; Bright; 42.0; 126; 60Bet Oph ; 2.77; 4250;occ; 84; 0;43409
 4; 2144.5; 19-JUN-2010 15:55:33; Bright; 41.5; 59; 55Alp Oph ; 2.08; 8900;occ; 83; 0;43409
 5; 2274.1; 19-JUN-2010 15:57:42; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;43409
 6; 2451.4; 19-JUN-2010 16:00:40; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;43409
 7; 2849.2; 19-JUN-2010 16:07:17; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;43409
 8; 2955.8; 19-JUN-2010 16:09:04; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;43409
 9; 3457.2; 19-JUN-2010 16:17:25; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;43409
 10; 3859.4; 19-JUN-2010 16:24:08; Bright; 65.0; 74; 11Bet Cas ; 2.27; 6600;occ; 130; 0;43409
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 12; 4064.0; 19-JUN-2010 16:27:32; Bright; 33.0; 160; 23Gam Per ; 2.93; 4700;occ; 66; 0;43409
 13; 4270.6; 19-JUN-2010 16:30:59; Bright; 43.5; 73; 57Gam1And ; 2.26; 13100;occ; 87; 0;43409
 14; 4410.6; 19-JUN-2010 16:33:19; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;43409
 15; 4632.6; 19-JUN-2010 16:37:01; Dark ; 47.0; 50; 13Alp Ari ; 2.01; 4250;occ; 94; 0;43409
 16; 5383.0; 19-JUN-2010 16:49:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43409
 17; 5620.5; 19-JUN-2010 16:53:29; Dark ; 60.0; 52; 16Bet Cet ; 2.04; 4500;occ; 120; 0;43409
 18; 5978.2; 19-JUN-2010 16:59:26; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;43409
 19; 6360.2; 19-JUN-2010 17:05:48; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;43410
 20; 6483.3; 19-JUN-2010 17:07:51; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;43410
 21; 6693.0; 19-JUN-2010 17:11:21; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43410

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 3; 1619.9; 19-JUN-2010 17:27:24; Bright; 40.0; 86; 35Eta Oph ; 2.43; 10200;occ; 80; 0;43410
 4; 1996.5; 19-JUN-2010 17:33:41; Bright; 41.5; 126; 60Bet Oph ; 2.77; 4250;occ; 83; 0;43410
 5; 2144.2; 19-JUN-2010 17:36:08; Bright; 45.5; 59; 55Alp Oph ; 2.08; 8900;occ; 91; 0;43410
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 7; 2451.3; 19-JUN-2010 17:41:15; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;43410
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 9; 2955.8; 19-JUN-2010 17:49:40; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;43410
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 11; 3859.1; 19-JUN-2010 18:04:43; Bright; 65.0; 74; 11Bet Cas ; 2.27; 6600;occ; 130; 0;43410
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 13; 4064.0; 19-JUN-2010 18:08:08; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;43410
 14; 4270.6; 19-JUN-2010 18:11:35; Bright; 43.0; 73; 57Gam1And ; 2.26; 13100;occ; 86; 0;43410
 15; 4410.4; 19-JUN-2010 18:13:55; Dark ; 43.5; 173; 4Bet Tri ; 3.00; 8900;occ; 87; 0;43410
 16; 4632.9; 19-JUN-2010 18:17:37; Dark ; 49.0; 50; 13Alp Ari ; 2.01; 4250;occ; 98; 0;43410
 17; 5383.6; 19-JUN-2010 18:30:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43410
 18; 5621.5; 19-JUN-2010 18:34:06; Dark ; 61.0; 52; 16Bet Cet ; 2.04; 4500;occ; 122; 0;43410
 19; 5979.0; 19-JUN-2010 18:40:03; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;43410
 20; 6361.0; 19-JUN-2010 18:46:25; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;43411
 21; 6484.3; 19-JUN-2010 18:48:28; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;43411
 22; 6693.4; 19-JUN-2010 18:51:57; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43411

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 3; 1620.2; 19-JUN-2010 19:08:00; Bright; 39.0; 86; 35Eta Oph ; 2.43; 10200;occ; 78; 0;43411
 4; 1996.7; 19-JUN-2010 19:14:17; Bright; 42.5; 126; 60Bet Oph ; 2.77; 4250;occ; 85; 0;43411
 5; 2144.0; 19-JUN-2010 19:16:44; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;43411
 6; 2274.0; 19-JUN-2010 19:18:54; Bright; 36.5; 127; 27Bet Her ; 2.78; 4700;occ; 73; 0;43411
 7; 2451.1; 19-JUN-2010 19:21:51; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;43411
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 9; 2955.8; 19-JUN-2010 19:30:16; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;43411
 10; 3455.7; 19-JUN-2010 19:38:36; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;43411
 11; 3858.8; 19-JUN-2010 19:45:19; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;43411
 12; 3946.2; 19-JUN-2010 19:46:46; Bright; 43.5; 68; 18Alp Cas ; 2.22; 4500;occ; 87; 0;43411
 13; 4064.0; 19-JUN-2010 19:48:44; Bright; 34.5; 160; 23Gam Per ; 2.93; 4700;occ; 69; 0;43411
 14; 4270.4; 19-JUN-2010 19:52:10; Bright; 41.5; 73; 57Gam1And ; 2.26; 13100;occ; 83; 0;43411
 15; 4410.7; 19-JUN-2010 19:54:31; Dark ; 41.5; 173; 4Bet Tri ; 3.00; 8900;occ; 83; 0;43411
 16; 4632.9; 19-JUN-2010 19:58:13; Dark ; 48.5; 50; 13Alp Ari ; 2.01; 4250;occ; 97; 0;43411
 17; 5384.1; 19-JUN-2010 20:10:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43411
 18; 5622.9; 19-JUN-2010 20:14:43; Dark ; 65.0; 52; 16Bet Cet ; 2.04; 4500;occ; 130; 0;43411
 19; 5979.8; 19-JUN-2010 20:20:40; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;43411
 20; 6362.1; 19-JUN-2010 20:27:02; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;43412
 21; 6485.0; 19-JUN-2010 20:29:05; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;43412
 22; 6694.1; 19-JUN-2010 20:32:34; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43412

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 3; 1620.0; 19-JUN-2010 20:48:36; Bright; 39.5; 86; 35Eta Oph ; 2.43; 10200;occ; 79; 0;43412
 4; 1996.2; 19-JUN-2010 20:54:52; Bright; 41.5; 126; 60Bet Oph ; 2.77; 4250;occ; 83; 0;43412
 5; 2143.6; 19-JUN-2010 20:57:20; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;43412
 6; 2274.1; 19-JUN-2010 20:59:30; Bright; 36.5; 127; 27Bet Her ; 2.78; 4700;occ; 73; 0;43412
 7; 2451.0; 19-JUN-2010 21:02:27; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;43412
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 9; 2955.8; 19-JUN-2010 21:10:52; Bright; 53.0; 119; 14Eta Dra ; 2.73; 4700;occ; 106; 0;43412
 10; 3455.2; 19-JUN-2010 21:19:11; Bright; 49.0; 89; 5Alp Cep ; 2.45; 8000;occ; 98; 0;43412
 11; 3858.4; 19-JUN-2010 21:25:54; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;43412
 12; 3945.8; 19-JUN-2010 21:27:22; Bright; 45.5; 68; 18Alp Cas ; 2.22; 4500;occ; 91; 0;43412
 13; 4064.1; 19-JUN-2010 21:29:20; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;43412
 14; 4270.3; 19-JUN-2010 21:32:46; Bright; 44.0; 73; 57Gam1And ; 2.26; 13100;occ; 88; 0;43412
 15; 4410.5; 19-JUN-2010 21:35:07; Dark ; 44.0; 173; 4Bet Tri ; 3.00; 8900;occ; 88; 0;43412
 16; 4633.3; 19-JUN-2010 21:38:49; Dark ; 51.0; 50; 13Alp Ari ; 2.01; 4250;occ; 102; 0;43412

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 3; -54.8; 19-JUN-2010 22:01:17; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;43412
 4; 326.8; 19-JUN-2010 22:07:39; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;43413
 5; 449.9; 19-JUN-2010 22:09:42; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;43413
 6; 658.8; 19-JUN-2010 22:13:11; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43413
 7; 1225.1; 19-JUN-2010 22:22:37; Dark ; 48.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 97; 0;43413
 8; 1312.7; 19-JUN-2010 22:24:05; Dark ; 47.5; 116; 19Del Sgr ; 2.70; 4100;occ; 95; 0;43413
 9; 1620.3; 19-JUN-2010 22:29:12; Bright; 39.5; 86; 35Eta Oph ; 2.43; 10200;occ; 79; 0;43413
 10; 1996.1; 19-JUN-2010 22:35:28; Bright; 41.5; 126; 60Bet Oph ; 2.77; 4250;occ; 83; 0;43413
 11; 2143.4; 19-JUN-2010 22:37:55; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;43413
 12; 2273.9; 19-JUN-2010 22:40:06; Bright; 41.0; 127; 27Bet Her ; 2.78; 4700;occ; 82; 0;43413
 13; 2451.1; 19-JUN-2010 22:43:03; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;43413
 14; 2848.0; 19-JUN-2010 22:49:40; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;43413
 15; 2955.6; 19-JUN-2010 22:51:28; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;43413
 16; 3454.3; 19-JUN-2010 22:59:46; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;43413
 17; 3857.9; 19-JUN-2010 23:06:30; Bright; 66.0; 74; 11Bet Cas ; 2.27; 6600;occ; 132; 0;43413
 18; 3945.6; 19-JUN-2010 23:07:58; Bright; 58.0; 68; 18Alp Cas ; 2.22; 4500;occ; 116; 0;43413
 19; 4064.0; 19-JUN-2010 23:09:56; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;43413
 20; 4270.5; 19-JUN-2010 23:13:22; Bright; 44.0; 73; 57Gam1And ; 2.26; 13100;occ; 88; 0;43413
 21; 4410.7; 19-JUN-2010 23:15:43; Dark ; 43.0; 173; 4Bet Tri ; 3.00; 8900;occ; 86; 0;43413
 22; 4633.6; 19-JUN-2010 23:19:26; Dark ; 50.5; 50; 13Alp Ari ; 2.01; 4250;occ; 101; 0;43413

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 3; -54.4; 19-JUN-2010 23:41:53; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;43413
 4; 327.9; 19-JUN-2010 23:48:16; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;43414
 5; 451.1; 19-JUN-2010 23:50:19; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;43414

6; 659.5; 19-JUN-2010 23:53:47; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43414
7; 1225.7; 20-JUN-2010 00:03:13; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;43414
8; 1312.8; 20-JUN-2010 00:04:41; Dark ; 49.5; 116; 19Del Sgr ; 2.70; 4100;occ; 99; 0;43414
9; 1620.5; 20-JUN-2010 00:09:48; Bright; 38.0; 86; 35Eta Oph ; 2.43; 10200;occ; 76; 0;43414
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11; 2143.2; 20-JUN-2010 00:18:31; Bright; 43.5; 59; 55Alp Oph ; 2.08; 8900;occ; 87; 0;43414
12; 2273.8; 20-JUN-2010 00:20:42; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;43414
13; 2450.9; 20-JUN-2010 00:23:39; Bright; 38.0; 133; 40Zet Her ; 2.81; 6000;occ; 76; 0;43414
14; 2847.3; 20-JUN-2010 00:30:15; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;43414
15; 2955.7; 20-JUN-2010 00:32:04; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;43414
16; 3453.6; 20-JUN-2010 00:40:21; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;43414
17; 3857.3; 20-JUN-2010 00:47:05; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;43414
18; 3945.2; 20-JUN-2010 00:48:33; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;43414
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21; 4414.1; 20-JUN-2010 00:56:22; Dark ; 64.0; 53; 43Bet And ; 2.05; 3300;occ; 128; 0;43414
22; 4633.8; 20-JUN-2010 01:00:02; Dark ; 48.5; 50; 13Alp Ari ; 2.01; 4250;occ; 97; 0;43414
23; 5385.8; 20-JUN-2010 01:12:34; Dark ; 20.0; 0; ; 0.00; 0;occ; 40; 0;43414

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3; -53.2; 20-JUN-2010 01:22:30; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;43414
4; 328.8; 20-JUN-2010 01:28:52; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;43415
5; 452.1; 20-JUN-2010 01:30:56; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;43415
6; 659.6; 20-JUN-2010 01:34:23; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43415
7; 1226.0; 20-JUN-2010 01:43:50; Dark ; 48.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 96; 0;43415
8; 1312.8; 20-JUN-2010 01:45:17; Dark ; 49.0; 116; 19Del Sgr ; 2.70; 4100;occ; 98; 0;43415
9; 1620.5; 20-JUN-2010 01:50:24; Bright; 38.5; 86; 35Eta Oph ; 2.43; 10200;occ; 77; 0;43415
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11; 2142.9; 20-JUN-2010 01:59:07; Bright; 42.5; 59; 55Alp Oph ; 2.08; 8900;occ; 85; 0;43415
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13; 2450.8; 20-JUN-2010 02:04:14; Bright; 39.5; 133; 40Zet Her ; 2.81; 6000;occ; 79; 0;43415
14; 2847.3; 20-JUN-2010 02:10:51; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;43415
15; 2955.2; 20-JUN-2010 02:12:39; Bright; 34.5; 119; 14Eta Dra ; 2.73; 4700;occ; 69; 0;43415
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17; 3856.9; 20-JUN-2010 02:27:41; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;43415
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28; 6696.4; 20-JUN-2010 03:15:00; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;43416
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11; 2134.7; 22-JUN-2010 22:43:31; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;43456
12; 2447.4; 22-JUN-2010 22:48:44; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;43456
13; 2721.7; 22-JUN-2010 22:53:18; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;43456

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 18; 4270.5; 23-JUN-2010 02:40:19; Bright; 60.0; 73; 57Gam1And ; 2.26; 13100;occ; 120; 0;43458
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 31; 8169.8; 23-JUN-2010 03:45:18; Bright; 41.5; 59; 55Alp Oph ; 2.08; 8900;occ; 83; 0;43459
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 33; 8755.5; 23-JUN-2010 03:55:04; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;43459
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 5; 4064.9; 23-JUN-2010 04:17:29; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;43459
 6; 4270.6; 23-JUN-2010 04:20:55; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;43459
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 3; 386.5; 24-JUN-2010 02:44:34; Dark ; 64.5; 63; Bet Gru ; 2.15; 2800;occ; 129; 0;43473
 4; 508.0; 24-JUN-2010 02:46:35; Dark ; 54.0; 31; Alp Gru ; 1.73; 15200;occ; 108; 0;43473
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13; 2830.2; 24-JUN-2010 03:25:17; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;43473
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 13; 2827.1; 24-JUN-2010 21:51:50; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;43484
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 15; 3828.6; 24-JUN-2010 22:08:31; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;43484
 16; 3922.2; 24-JUN-2010 22:10:05; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;43484
 17; 4064.9; 24-JUN-2010 22:12:27; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43484
 18; 4270.0; 24-JUN-2010 22:15:53; Bright; 44.0; 73; 57Gam1And ; 2.26; 13100;occ; 88; 0;43484
 19; 4416.8; 24-JUN-2010 22:18:19; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;43484
 20; 4651.7; 24-JUN-2010 22:22:14; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;43484

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 3; 9.2; 24-JUN-2010 22:45:28; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;43484
 4; 398.2; 24-JUN-2010 22:51:57; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;43485
 5; 519.7; 24-JUN-2010 22:53:58; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43485
 6; 698.8; 24-JUN-2010 22:56:57; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43485
 7; 1248.5; 24-JUN-2010 23:06:07; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;43485
 8; 1332.8; 24-JUN-2010 23:07:31; Dark ; 55.5; 116; 19Del Sgr ; 2.70; 4100;occ; 111; 0;43485
 9; 1462.1; 24-JUN-2010 23:09:41; Bright; 50.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 100; 0;43485

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11; 2130.2; 24-JUN-2010 23:20:49; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;43485
12; 2702.2; 24-JUN-2010 23:30:21; Bright; 47.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 95; 0;43485
13; 2826.9; 24-JUN-2010 23:32:25; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;43485
14; 3405.2; 24-JUN-2010 23:42:04; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;43485
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16; 3921.8; 24-JUN-2010 23:50:40; Bright; 66.0; 68; 18Alp Cas ; 2.22; 4500;occ; 132; 0;43485
17; 4064.8; 24-JUN-2010 23:53:03; Bright; 44.5; 160; 23Gam Per ; 2.93; 4700;occ; 89; 0;43485
18; 4269.9; 24-JUN-2010 23:56:28; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;43485
19; 4417.2; 24-JUN-2010 23:58:56; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;43485
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3; 10.0; 25-JUN-2010 00:26:04; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;43486
4; 399.1; 25-JUN-2010 00:32:33; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;43486
5; 520.4; 25-JUN-2010 00:34:35; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43486
6; 699.5; 25-JUN-2010 00:37:34; Dark ; 49.5; 45; Alp Pav ; 1.94; 26000;occ; 99; 0;43486
7; 1248.9; 25-JUN-2010 00:46:43; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;43486
8; 1333.3; 25-JUN-2010 00:48:08; Dark ; 51.5; 116; 19Del Sgr ; 2.70; 4100;occ; 103; 0;43486
9; 1462.4; 25-JUN-2010 00:50:17; Bright; 50.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 101; 0;43486
10; 1986.6; 25-JUN-2010 00:59:01; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;43486
11; 2129.9; 25-JUN-2010 01:01:24; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;43486
12; 2701.4; 25-JUN-2010 01:10:56; Bright; 50.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 101; 0;43486
13; 2826.6; 25-JUN-2010 01:13:01; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;43486
14; 3404.5; 25-JUN-2010 01:22:39; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;43486
15; 3827.4; 25-JUN-2010 01:29:42; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;43486
16; 3921.4; 25-JUN-2010 01:31:16; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;43486
17; 4064.9; 25-JUN-2010 01:33:39; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43486
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19; 4417.1; 25-JUN-2010 01:39:31; Dark ; 44.5; 173; 4Bet Tri ; 3.00; 8900;occ; 89; 0;43486
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3; 10.9; 25-JUN-2010 02:06:41; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;43487
4; 400.3; 25-JUN-2010 02:13:10; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;43487
5; 521.4; 25-JUN-2010 02:15:12; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;43487
6; 700.1; 25-JUN-2010 02:18:10; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;43487
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8; 1333.6; 25-JUN-2010 02:28:44; Dark ; 48.5; 116; 19Del Sgr ; 2.70; 4100;occ; 97; 0;43487
9; 1462.7; 25-JUN-2010 02:30:53; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;43487
10; 1986.6; 25-JUN-2010 02:39:37; Bright; 40.5; 126; 60Bet Oph ; 2.77; 4250;occ; 81; 0;43487
11; 2129.9; 25-JUN-2010 02:42:00; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;43487
12; 2700.9; 25-JUN-2010 02:51:31; Bright; 50.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 100; 0;43487
13; 2826.6; 25-JUN-2010 02:53:37; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;43487
14; 3403.6; 25-JUN-2010 03:03:14; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;43487
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2; -2114.5; 25-JUN-2010 03:11:52; Bright; 46.0; 68; 18Alp Cas ; 2.22; 4500;occ; 92; 0;43487
3; -1970.9; 25-JUN-2010 03:14:15; Bright; 33.5; 160; 23Gam Per ; 2.93; 4700;occ; 67; 0;43487
4; -1765.8; 25-JUN-2010 03:17:40; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;43487
5; -1618.4; 25-JUN-2010 03:20:08; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;43487
6; -1383.2; 25-JUN-2010 03:24:03; Dark ; 62.0; 50; 13Alp Ari ; 2.01; 4250;occ; 124; 0;43487
7; -602.7; 25-JUN-2010 03:37:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43487
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9; 12.0; 25-JUN-2010 03:47:18; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;43488
10; 401.2; 25-JUN-2010 03:53:47; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43488
11; 522.3; 25-JUN-2010 03:55:48; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;43488
12; 700.5; 25-JUN-2010 03:58:47; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43488
13; 1249.4; 25-JUN-2010 04:07:55; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;43488
14; 1334.1; 25-JUN-2010 04:09:20; Dark ; 54.0; 116; 19Del Sgr ; 2.70; 4100;occ; 108; 0;43488
15; 1462.9; 25-JUN-2010 04:11:29; Bright; 50.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 101; 0;43488
16; 1986.8; 25-JUN-2010 04:20:13; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;43488
17; 2130.0; 25-JUN-2010 04:22:36; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;43488
18; 2700.3; 25-JUN-2010 04:32:06; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;43488
19; 2826.3; 25-JUN-2010 04:34:12; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;43488
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 3; -1971.3; 25-JUN-2010 04:54:51; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43488
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 5; -1618.2; 25-JUN-2010 05:00:44; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;43488
 6; -1382.9; 25-JUN-2010 05:04:39; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;43488
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 9; 12.9; 25-JUN-2010 05:27:55; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;43489
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 11; 523.1; 25-JUN-2010 05:36:25; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43489
 12; 701.3; 25-JUN-2010 05:39:23; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43489
 13; 1249.8; 25-JUN-2010 05:48:32; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;43489
 14; 1333.9; 25-JUN-2010 05:49:56; Dark ; 47.0; 116; 19Del Sgr ; 2.70; 4100;occ; 94; 0;43489
 15; 1463.0; 25-JUN-2010 05:52:05; Bright; 50.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 100; 0;43489
 16; 1986.8; 25-JUN-2010 06:00:49; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;43489
 17; 2129.7; 25-JUN-2010 06:03:12; Bright; 41.0; 59; 55Alp Oph ; 2.08; 8900;occ; 82; 0;43489
 18; 2699.6; 25-JUN-2010 06:12:42; Bright; 51.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 102; 0;43489
 19; 2826.0; 25-JUN-2010 06:14:48; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;43489
 20; 3402.4; 25-JUN-2010 06:24:24; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;43489

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 3; 1464.9; 25-JUN-2010 20:57:30; Bright; 48.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 97; 0;43498
 4; 1985.6; 25-JUN-2010 21:06:11; Bright; 39.5; 126; 60Bet Oph ; 2.77; 4250;occ; 79; 0;43498
 5; 2128.3; 25-JUN-2010 21:08:34; Bright; 40.5; 59; 55Alp Oph ; 2.08; 8900;occ; 81; 0;43498
 6; 2693.7; 25-JUN-2010 21:17:59; Bright; 47.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 94; 0;43498
 7; 2823.9; 25-JUN-2010 21:20:09; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;43498
 8; 3396.1; 25-JUN-2010 21:29:42; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;43498
 9; 3822.3; 25-JUN-2010 21:36:48; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;43498
 10; 3917.7; 25-JUN-2010 21:38:23; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;43498
 11; 4064.7; 25-JUN-2010 21:40:50; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43498
 12; 4269.8; 25-JUN-2010 21:44:15; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;43498
 13; 4418.5; 25-JUN-2010 21:46:44; Dark ; 44.5; 173; 4Bet Tri ; 3.00; 8900;occ; 89; 0;43498
 14; 4656.0; 25-JUN-2010 21:50:42; Dark ; 57.5; 50; 13Alp Ari ; 2.01; 4250;occ; 115; 0;43498
 15; 4947.6; 25-JUN-2010 21:55:33; Dark ; 45.0; 94; 92Alp Cet ; 2.53; 3100;occ; 90; 0;43498

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 3; 411.9; 25-JUN-2010 22:20:33; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;43499
 4; 532.8; 25-JUN-2010 22:22:34; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;43499
 5; 706.4; 25-JUN-2010 22:25:28; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43499
 6; 1252.6; 25-JUN-2010 22:34:34; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;43499
 7; 1336.7; 25-JUN-2010 22:35:58; Dark ; 50.5; 116; 19Del Sgr ; 2.70; 4100;occ; 101; 0;43499
 8; 1465.3; 25-JUN-2010 22:38:07; Bright; 49.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 99; 0;43499
 9; 1985.3; 25-JUN-2010 22:46:47; Bright; 40.0; 126; 60Bet Oph ; 2.77; 4250;occ; 80; 0;43499
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 11; 2693.2; 25-JUN-2010 22:58:35; Bright; 50.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 100; 0;43499
 12; 2823.5; 25-JUN-2010 23:00:45; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;43499
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 14; 3821.7; 25-JUN-2010 23:17:23; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;43499
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 3; 413.2; 26-JUN-2010 00:01:10; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;43500
 4; 533.7; 26-JUN-2010 00:03:11; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;43500
 5; 706.9; 26-JUN-2010 00:06:04; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43500
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 7; 1336.7; 26-JUN-2010 00:16:34; Dark ; 53.0; 116; 19Del Sgr ; 2.70; 4100;occ; 106; 0;43500
 8; 1465.2; 26-JUN-2010 00:18:43; Bright; 49.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 99; 0;43500
 9; 1985.6; 26-JUN-2010 00:27:23; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;43500

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11; 2692.8; 26-JUN-2010 00:39:10; Bright; 42.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 85; 0;43500
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13; 3394.6; 26-JUN-2010 00:50:52; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;43500
14; 3821.2; 26-JUN-2010 00:57:58; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;43500
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16; 4064.7; 26-JUN-2010 01:02:02; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43500
17; 4269.7; 26-JUN-2010 01:05:27; Bright; 61.0; 73; 57Gam1And ; 2.26; 13100;occ; 122; 0;43500
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11; 563.5; 28-JUN-2010 05:42:51; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;43532
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13; 1262.2; 28-JUN-2010 05:54:29; Dark ; 42.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 85; 0;43532
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12; 724.3; 28-JUN-2010 07:26:07; Dark ; 48.0; 45; Alp Pav ; 1.94; 26000;occ; 96; 0;43533
13; 1262.4; 28-JUN-2010 07:35:05; Dark ; 47.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 94; 0;43533
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 7; 3904.4; 28-JUN-2010 08:19:07; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;43533
 8; 4063.8; 28-JUN-2010 08:21:47; Bright; 40.0; 160; 23Gam Per ; 2.93; 4700;occ; 80; 0;43533
 9; 4268.9; 28-JUN-2010 08:25:12; Bright; 48.5; 73; 57Gam1And ; 2.26; 13100;occ; 97; 0;43533
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 3; 1473.9; 28-JUN-2010 21:03:24; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;43541
 4; 1982.7; 28-JUN-2010 21:11:53; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;43541
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 7; 2814.4; 28-JUN-2010 21:25:45; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;43541
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 9; 3802.0; 28-JUN-2010 21:42:13; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;43541
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13; 4422.0; 28-JUN-2010 21:52:33; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;43541
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13; 3365.9; 28-JUN-2010 23:15:32; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;43542
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