

GOMOS Daily Report 19-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	22JUN2010 04:51:37
Data source version	GOMOS/5.01
Start time of products	19JUN2010 00:07:17
Stop time of products	19JUN2010 23:53:47
Store outputs in DB	Yes
Nb of level 1b prods	122
Nb of prods with errors	0

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

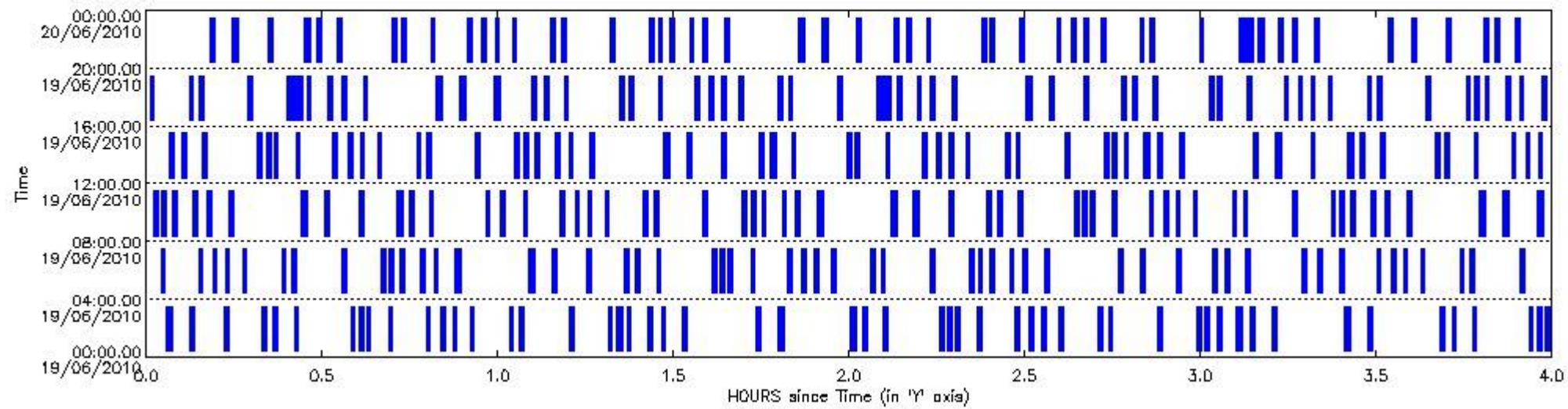
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

No missing products.

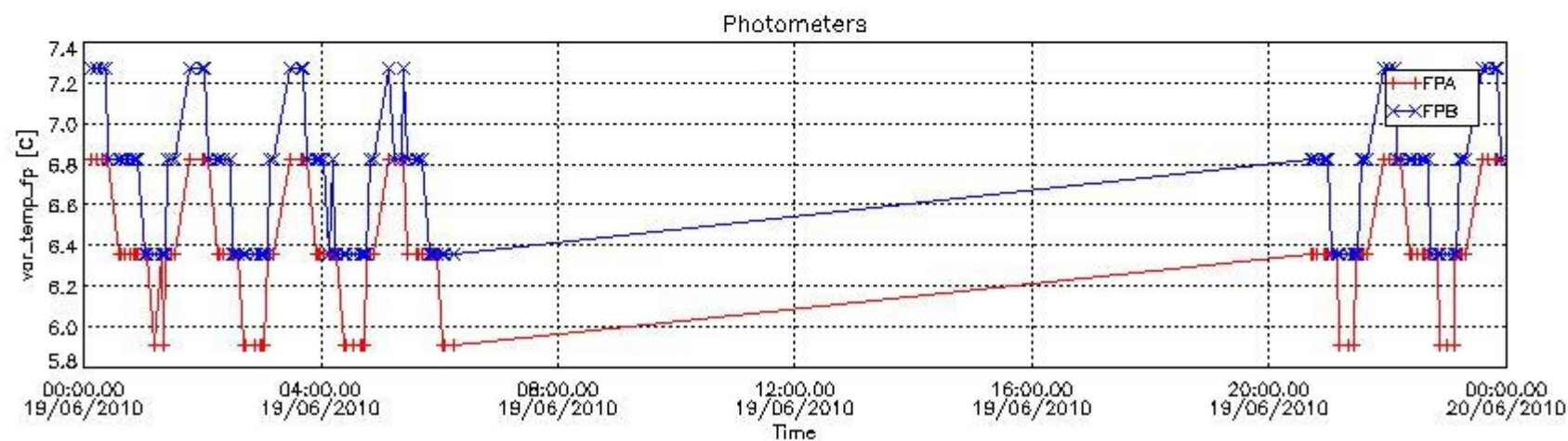
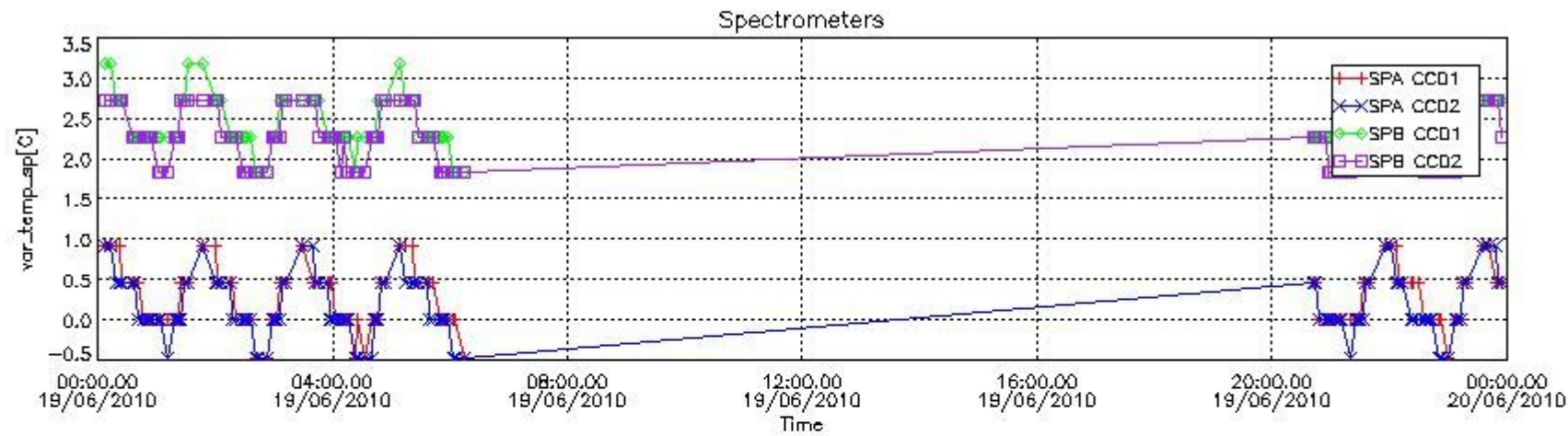
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100619_000717_000000562090_00259_43399_0127.N1	19-JUN-2010 00:07:17	Dark	56.000	52	16Bet Cet	2.0370	4500.0	112	43399	No
2	GOM_TRA_1PNPDE20100619_001319_000000482090_00259_43399_0128.N1	19-JUN-2010 00:13:19	Dark	48.000	84	Alp Phe	2.3970	4500.0	96	43399	No
3	GOM_TRA_1PNPDE20100619_001939_000000502090_00260_43400_0129.N1	19-JUN-2010 00:19:39	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	43400	No
4	GOM_TRA_1PNPDE20100619_002142_000000482090_00260_43400_0130.N1	19-JUN-2010 00:21:42	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	43400	No
5	GOM_TRA_1PNPDE20100619_002516_000000422090_00260_43400_0131.N1	19-JUN-2010 00:25:16	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43400	No
6	GOM_TRA_1PNPDE20100619_003455_000000432090_00260_43400_0132.N1	19-JUN-2010 00:34:55	Twilight_stray	43.000	25	35Lam Sco	1.6200	28000.	86	43400	No
7	GOM_TRA_1PNPDE20100619_003613_000000502090_00260_43400_0133.N1	19-JUN-2010 00:36:13	Twilight_stray	49.500	116	19Del Sgr	2.7000	4100.0	99	43400	No
8	GOM_TRA_1PNPDE20100619_003731_000000452090_00260_43400_0134.N1	19-JUN-2010 00:37:31	Bright	45.000	137	22Lam Sgr	2.8240	4400.0	90	43400	No
9	GOM_TRA_1PNPDE20100619_004124_000000392090_00260_43400_0135.N1	19-JUN-2010 00:41:24	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	43400	No
10	GOM_TRA_1PNPDE20100619_004743_000000422090_00260_43400_0136.N1	19-JUN-2010 00:47:43	Bright	41.500	126	60Bet Oph	2.7700	4250.0	83	43400	No
11	GOM_TRA_1PNPDE20100619_005011_000000472090_00260_43400_0137.N1	19-JUN-2010 00:50:11	Bright	46.500	59	55Alp Oph	2.0800	8900.0	93	43400	No
12	GOM_TRA_1PNPDE20100619_005219_000000362090_00260_43400_0138.N1	19-JUN-2010 00:52:19	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	43400	No

13	GOM_TRA_1PNPDE20100619_005517_000000362090_00260_43400_0139.N1	19-JUN-2010 00:55:17	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	43400	No
14	GOM_TRA_1PNPDE20100619_010157_000000382090_00260_43400_0140.N1	19-JUN-2010 01:01:57	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	43400	No
15	GOM_TRA_1PNPDE20100619_010342_000000502090_00260_43400_0141.N1	19-JUN-2010 01:03:42	Bright	50.000	119	14Eta Dra	2.7270	4700.0	100	43400	No
16	GOM_TRA_1PNPDE20100619_011208_000000482090_00260_43400_0142.N1	19-JUN-2010 01:12:08	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43400	No
17	GOM_TRA_1PNPDE20100619_011848_000000432090_00260_43400_0143.N1	19-JUN-2010 01:18:48	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	43400	No
18	GOM_TRA_1PNPDE20100619_012014_000000642090_00260_43400_0144.N1	19-JUN-2010 01:20:14	Bright	64.000	68	18Alp Cas	2.2250	4500.0	128	43400	No
19	GOM_TRA_1PNPDE20100619_012208_000000362090_00260_43400_0145.N1	19-JUN-2010 01:22:08	Bright	36.000	160	23Gam Per	2.9300	4700.0	72	43400	No
20	GOM_TRA_1PNPDE20100619_012535_000000582090_00260_43400_0146.N1	19-JUN-2010 01:25:35	Bright	58.000	73	57Gam1And	2.2600	13100.	116	43400	No
21	GOM_TRA_1PNPDE20100619_012754_000000462090_00260_43400_0147.N1	19-JUN-2010 01:27:54	Bright	45.500	173	4Bet Tri	3.0040	8900.0	91	43400	No
22	GOM_TRA_1PNPDE20100619_013135_000000502090_00260_43400_0148.N1	19-JUN-2010 01:31:35	Twilight	49.500	50	13Alp Ari	2.0070	4250.0	99	43400	No
23	GOM_TRA_1PNPDE20100619_014754_000000622090_00260_43400_0146.N1	19-JUN-2010 01:47:54	Dark	61.500	52	16Bet Cet	2.0370	4500.0	123	43400	No
24	GOM_TRA_1PNPDE20100619_020016_000000622090_00261_43401_0147.N1	19-JUN-2010 02:00:16	Dark	61.500	63	Bet Gru	2.1500	2800.0	123	43401	No
25	GOM_TRA_1PNPDE20100619_020219_000000512090_00261_43401_0148.N1	19-JUN-2010 02:02:19	Straylight	51.000	31	Alp Gru	1.7340	15200.	102	43401	No
26	GOM_TRA_1PNPDE20100619_020552_000000442090_00261_43401_0149.N1	19-JUN-2010 02:05:52	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	43401	No
27	GOM_TRA_1PNPDE20100619_021531_000000442090_00261_43401_0150.N1	19-JUN-2010 02:15:31	Tw_i_and_stray	43.500	25	35Lam Sco	1.6200	28000.	87	43401	No
28	GOM_TRA_1PNPDE20100619_021649_000000522090_00261_43401_0151.N1	19-JUN-2010 02:16:49	Tw_i_and_stray	52.000	116	19Del Sgr	2.7000	4100.0	104	43401	No
29	GOM_TRA_1PNPDE20100619_021808_000000522090_00261_43401_0152.N1	19-JUN-2010 02:18:08	Bright	52.000	137	22Lam Sgr	2.8240	4400.0	104	43401	No
30	GOM_TRA_1PNPDE20100619_022200_000000402090_00261_43401_0153.N1	19-JUN-2010 02:22:00	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	43401	No
31	GOM_TRA_1PNPDE20100619_022819_000000422090_00261_43401_0154.N1	19-JUN-2010 02:28:19	Bright	41.500	126	60Bet Oph	2.7700	4250.0	83	43401	No
32	GOM_TRA_1PNPDE20100619_023047_000000422090_00261_43401_0155.N1	19-JUN-2010 02:30:47	Bright	41.500	59	55Alp Oph	2.0800	8900.0	83	43401	No
33	GOM_TRA_1PNPDE20100619_023255_000000382090_00261_43401_0156.N1	19-JUN-2010 02:32:55	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	43401	No
34	GOM_TRA_1PNPDE20100619_023553_000000382090_00261_43401_0157.N1	19-JUN-2010 02:35:53	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	43401	No
35	GOM_TRA_1PNPDE20100619_024233_000000382090_00261_43401_0158.N1	19-JUN-2010 02:42:33	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	43401	No
36	GOM_TRA_1PNPDE20100619_024417_000000332090_00261_43401_0159.N1	19-JUN-2010 02:44:17	Bright	33.000	119	14Eta Dra	2.7270	4700.0	66	43401	No
37	GOM_TRA_1PNPDE20100619_025243_000000482090_00261_43401_0160.N1	19-JUN-2010 02:52:43	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43401	No
38	GOM_TRA_1PNPDE20100619_025923_000000472090_00261_43401_0173.N1	19-JUN-2010 02:59:23	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	43401	No
39	GOM_TRA_1PNPDE20100619_030050_000000452090_00261_43401_0174.N1	19-JUN-2010 03:00:50	Bright	44.500	68	18Alp Cas	2.2250	4500.0	89	43401	No
40	GOM_TRA_1PNPDE20100619_030244_000000532090_00261_43401_0175.N1	19-JUN-2010 03:02:44	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	43401	No
41	GOM_TRA_1PNPDE20100619_030611_000000532090_00261_43401_0176.N1	19-JUN-2010 03:06:11	Bright	53.000	73	57Gam1And	2.2600	13100.	106	43401	No
42	GOM_TRA_1PNPDE20100619_030830_000000442090_00261_43401_0177.N1	19-JUN-2010 03:08:30	Bright	43.500	173	4Bet Tri	3.0040	8900.0	87	43401	No
43	GOM_TRA_1PNPDE20100619_031211_000000492090_00261_43401_0178.N1	19-JUN-2010 03:12:11	Twilight	48.500	50	13Alp Ari	2.0070	4250.0	97	43401	No
44	GOM_TRA_1PNPDE20100619_032832_000000582090_00261_43401_0179.N1	19-JUN-2010 03:28:32	Dark	57.500	52	16Bet Cet	2.0370	4500.0	115	43401	No
45	GOM_TRA_1PNPDE20100619_034053_000000572090_00262_43402_0180.N1	19-JUN-2010 03:40:53	Dark	56.500	63	Bet Gru	2.1500	2800.0	113	43402	No
46	GOM_TRA_1PNPDE20100619_034256_000000472090_00262_43402_0181.N1	19-JUN-2010 03:42:56	Straylight	46.500	31	Alp Gru	1.7340	15200.	93	43402	No
47	GOM_TRA_1PNPDE20100619_034629_000000412090_00262_43402_0182.N1	19-JUN-2010 03:46:29	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	43402	No
48	GOM_TRA_1PNPDE20100619_035607_000000422090_00262_43402_0183.N1	19-JUN-2010 03:56:07	Tw_i_and_stray	41.500	25	35Lam Sco	1.6200	28000.	83	43402	No
49	GOM_TRA_1PNPDE20100619_035726_000000522090_00262_43402_0184.N1	19-JUN-2010 03:57:26	Tw_i_and_stray	52.000	116	19Del Sgr	2.7000	4100.0	104	43402	No
50	GOM_TRA_1PNPDE20100619_035844_000000502090_00262_43402_0185.N1	19-JUN-2010 03:58:44	Bright	50.000	137	22Lam Sgr	2.8240	4400.0	100	43402	No
51	GOM_TRA_1PNPDE20100619_040236_000000392090_00262_43402_0186.N1	19-JUN-2010 04:02:36	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	43402	No
52	GOM_TRA_1PNPDE20100619_040855_000000412090_00262_43402_0187.N1	19-JUN-2010 04:08:55	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	43402	No
53	GOM_TRA_1PNPDE20100619_041123_000000412090_00262_43402_0188.N1	19-JUN-2010 04:11:23	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	43402	No
54	GOM_TRA_1PNPDE20100619_041331_000000362090_00262_43402_0189.N1	19-JUN-2010 04:13:31	Bright	35.500	127	27Bet Her	2.7810	4700.0	71	43402	No
55	GOM_TRA_1PNPDE20100619_041629_000000382090_00262_43402_0190.N1	19-JUN-2010 04:16:29	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	43402	No
56	GOM_TRA_1PNPDE20100619_042308_000000422090_00262_43402_0191.N1	19-JUN-2010 04:23:08	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	43402	No
57	GOM_TRA_1PNPDE20100619_042453_000000372090_00262_43402_0192.N1	19-JUN-2010 04:24:53	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	43402	No
58	GOM_TRA_1PNPDE20100619_043319_000000462090_00262_43402_0193.N1	19-JUN-2010 04:33:19	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	43402	No
59	GOM_TRA_1PNPDE20100619_043959_000000472090_00262_43402_0302.N1	19-JUN-2010 04:39:59	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	43402	No
60	GOM_TRA_1PNPDE20100619_044126_000000432090_00262_43402_0303.N1	19-JUN-2010 04:41:26	Bright	42.500	68	18Alp Cas	2.2250	4500.0	85	43402	No
61	GOM_TRA_1PNPDE20100619_044320_000000402090_00262_43402_0304.N1	19-JUN-2010 04:43:20	Bright	40.000	160	23Gam Per	2.9300	4700.0	80	43402	No
62	GOM_TRA_1PNPDE20100619_044647_000000432090_00262_43402_0305.N1	19-JUN-2010 04:46:47	Bright	42.500	73	57Gam1And	2.2600	13100.	85	43402	No
63	GOM_TRA_1PNPDE20100619_044906_000000452090_00262_43402_0306.N1	19-JUN-2010 04:49:06	Bright	44.500	173	4Bet Tri	3.0040	8900.0	89	43402	No
64	GOM_TRA_1PNPDE20100619_045247_000000532090_00262_43402_0307.N1	19-JUN-2010 04:52:47	Twilight	53.000	50	13Alp Ari	2.0070	4250.0	106	43402	No
65	GOM_TRA_1PNPDE20100619_050909_000000592090_00262_43402_0308.N1	19-JUN-2010 05:09:09	Dark	58.500	52	16Bet Cet	2.0370	4500.0	117	43402	No
66	GOM_TRA_1PNPDE20100619_051509_000000492090_00262_43402_0309.N1	19-JUN-2010 05:15:09	Dark	48.500	84	Alp Phe	2.3970	4500.0	97	43402	No
67	GOM_TRA_1PNPDE20100619_052130_000000562090_00263_43403_0310.N1	19-JUN-2010 05:21:30	Dark	56.000	63	Bet Gru	2.1500	2800.0	112	43403	No
68	GOM_TRA_1PNPDE20100619_052333_000000482090_00263_43403_0311.N1	19-JUN-2010 05:23:33	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	43403	No
69	GOM_TRA_1PNPDE20100619_052706_000000422090_00263_43403_0312.N1	19-JUN-2010 05:27:06	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	43403	No
70	GOM_TRA_1PNPDE20100619_053643_000000452090_00263_43403_0313.N1	19-JUN-2010 05:36:43	Tw_i_and_stray	45.000	25	35Lam Sco	1.6200	28000.	90	43403	No
71	GOM_TRA_1PNPDE20100619_053802_000000492090_00263_43403_0314.N1	19-JUN-2010 05:38:02	Tw_i_and_stray	49.000	116	19Del Sgr	2.7000	4100.0	98	43403	No

72	GOM_TRA_1PNPDE20100619_053920_000000492090_00263_43403_0315.N1	19-JUN-2010 05:39:20	Bright	48.500	137	22Lam Sgr	2.8240	4400.0	97	43403	No
73	GOM_TRA_1PNPDE20100619_054312_000000392090_00263_43403_0316.N1	19-JUN-2010 05:43:12	Bright	38.500	86	35Eta Oph	2.4300	10200.	77	43403	No
74	GOM_TRA_1PNPDE20100619_054931_000000442090_00263_43403_0317.N1	19-JUN-2010 05:49:31	Bright	43.500	126	60Bet Oph	2.7700	4250.0	87	43403	No
75	GOM_TRA_1PNPDE20100619_055158_000000422090_00263_43403_0318.N1	19-JUN-2010 05:51:58	Bright	41.500	59	55Alp Oph	2.0800	8900.0	83	43403	No
76	GOM_TRA_1PNPDE20100619_055407_000000372090_00263_43403_0319.N1	19-JUN-2010 05:54:07	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	43403	No
77	GOM_TRA_1PNPDE20100619_055705_000000372090_00263_43403_0320.N1	19-JUN-2010 05:57:05	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	43403	No
78	GOM_TRA_1PNPDE20100619_060344_000000402090_00263_43403_0321.N1	19-JUN-2010 06:03:44	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	43403	No
79	GOM_TRA_1PNPDE20100619_060529_000000382090_00263_43403_0322.N1	19-JUN-2010 06:05:29	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	43403	No
80	GOM_TRA_1PNPDE20100619_061354_000000452090_00263_43403_0323.N1	19-JUN-2010 06:13:54	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	43403	No
81	GOM_TRA_1PNPDE20100619_204201_000000472090_00272_43412_0426.N1	19-JUN-2010 20:42:01	Twilight	47.000	38	20Eps Sgr	1.8360	11000.	94	43412	No
82	GOM_TRA_1PNPDE20100619_204328_000000492090_00272_43412_0427.N1	19-JUN-2010 20:43:28	Twilight	48.500	116	19Del Sgr	2.7000	4100.0	97	43412	No
83	GOM_TRA_1PNPDE20100619_204836_000000402090_00272_43412_0428.N1	19-JUN-2010 20:48:36	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	43412	No
84	GOM_TRA_1PNPDE20100619_205452_000000422090_00272_43412_0429.N1	19-JUN-2010 20:54:52	Bright	41.500	126	60Bet Oph	2.7700	4250.0	83	43412	No
85	GOM_TRA_1PNPDE20100619_205720_000000422090_00272_43412_0430.N1	19-JUN-2010 20:57:20	Bright	42.000	59	55Alp Oph	2.0800	8900.0	84	43412	No
86	GOM_TRA_1PNPDE20100619_205930_000000372090_00272_43412_0431.N1	19-JUN-2010 20:59:30	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	43412	No
87	GOM_TRA_1PNPDE20100619_210227_000000362090_00272_43412_0432.N1	19-JUN-2010 21:02:27	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	43412	No
88	GOM_TRA_1PNPDE20100619_210904_000000412090_00272_43412_0433.N1	19-JUN-2010 21:09:04	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	43412	No
89	GOM_TRA_1PNPDE20100619_211052_000000532090_00272_43412_0434.N1	19-JUN-2010 21:10:52	Bright	53.000	119	14Eta Dra	2.7270	4700.0	106	43412	No
90	GOM_TRA_1PNPDE20100619_211911_000000492090_00272_43412_0435.N1	19-JUN-2010 21:19:11	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	43412	No
91	GOM_TRA_1PNPDE20100619_212554_000000442090_00272_43412_0436.N1	19-JUN-2010 21:25:54	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	43412	No
92	GOM_TRA_1PNPDE20100619_212722_000000462090_00272_43412_0437.N1	19-JUN-2010 21:27:22	Bright	45.500	68	18Alp Cas	2.2250	4500.0	91	43412	No
93	GOM_TRA_1PNPDE20100619_212920_000000532090_00272_43412_0438.N1	19-JUN-2010 21:29:20	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	43412	No
94	GOM_TRA_1PNPDE20100619_213246_000000442090_00272_43412_0439.N1	19-JUN-2010 21:32:46	Bright	44.000	73	57Gam1And	2.2600	13100.	88	43412	No
95	GOM_TRA_1PNPDE20100619_213507_000000442090_00272_43412_0440.N1	19-JUN-2010 21:35:07	Bright	44.000	173	4Bet Tri	3.0040	8900.0	88	43412	No
96	GOM_TRA_1PNPDE20100619_213849_000000512090_00272_43412_0441.N1	19-JUN-2010 21:38:49	Twilight	51.000	50	13Alp Ari	2.0070	4250.0	102	43412	No
97	GOM_TRA_1PNPDE20100619_215520_000000602090_00272_43412_0446.N1	19-JUN-2010 21:55:20	Dark	59.500	52	16Bet Cet	2.0370	4500.0	119	43412	No
98	GOM_TRA_1PNPDE20100619_220117_000000462090_00272_43412_0447.N1	19-JUN-2010 22:01:17	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	43412	No
99	GOM_TRA_1PNPDE20100619_220739_000000522090_00273_43413_0448.N1	19-JUN-2010 22:07:39	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	43413	No
100	GOM_TRA_1PNPDE20100619_220942_000000482090_00273_43413_0449.N1	19-JUN-2010 22:09:42	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	43413	No
101	GOM_TRA_1PNPDE20100619_221311_000000412090_00273_43413_0450.N1	19-JUN-2010 22:13:11	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	43413	No
102	GOM_TRA_1PNPDE20100619_222237_000000492090_00273_43413_0451.N1	19-JUN-2010 22:22:37	Twilight	48.500	38	20Eps Sgr	1.8360	11000.	97	43413	No
103	GOM_TRA_1PNPDE20100619_222405_000000482090_00273_43413_0452.N1	19-JUN-2010 22:24:05	Twilight	47.500	116	19Del Sgr	2.7000	4100.0	95	43413	No
104	GOM_TRA_1PNPDE20100619_222912_000000402090_00273_43413_0453.N1	19-JUN-2010 22:29:12	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	43413	No
105	GOM_TRA_1PNPDE20100619_223528_000000422090_00273_43413_0454.N1	19-JUN-2010 22:35:28	Bright	41.500	126	60Bet Oph	2.7700	4250.0	83	43413	No
106	GOM_TRA_1PNPDE20100619_223755_000000422090_00273_43413_0455.N1	19-JUN-2010 22:37:55	Bright	42.000	59	55Alp Oph	2.0800	8900.0	84	43413	No
107	GOM_TRA_1PNPDE20100619_224006_000000412090_00273_43413_0456.N1	19-JUN-2010 22:40:06	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	43413	No
108	GOM_TRA_1PNPDE20100619_224303_000000402090_00273_43413_0457.N1	19-JUN-2010 22:43:03	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	43413	No
109	GOM_TRA_1PNPDE20100619_224940_000000402090_00273_43413_0458.N1	19-JUN-2010 22:49:40	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	43413	No
110	GOM_TRA_1PNPDE20100619_225128_000000382090_00273_43413_0459.N1	19-JUN-2010 22:51:28	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	43413	No
111	GOM_TRA_1PNPDE20100619_225946_000000492090_00273_43413_0460.N1	19-JUN-2010 22:59:46	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43413	No
112	GOM_TRA_1PNPDE20100619_230630_000000662090_00273_43413_0461.N1	19-JUN-2010 23:06:30	Bright	66.000	74	11Bet Cas	2.2680	6600.0	132	43413	No
113	GOM_TRA_1PNPDE20100619_230758_000000582090_00273_43413_0462.N1	19-JUN-2010 23:07:58	Bright	58.000	68	18Alp Cas	2.2250	4500.0	116	43413	No
114	GOM_TRA_1PNPDE20100619_230956_000000532090_00273_43413_0463.N1	19-JUN-2010 23:09:56	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	43413	No
115	GOM_TRA_1PNPDE20100619_231322_000000442090_00273_43413_0464.N1	19-JUN-2010 23:13:22	Bright	44.000	73	57Gam1And	2.2600	13100.	88	43413	No
116	GOM_TRA_1PNPDE20100619_231543_000000432090_00273_43413_0465.N1	19-JUN-2010 23:15:43	Bright	43.000	173	4Bet Tri	3.0040	8900.0	86	43413	No
117	GOM_TRA_1PNPDE20100619_231926_000000512090_00273_43413_0466.N1	19-JUN-2010 23:19:26	Twilight	50.500	50	13Alp Ari	2.0070	4250.0	101	43413	No
118	GOM_TRA_1PNPDE20100619_233557_000000602090_00273_43413_0466.N1	19-JUN-2010 23:35:57	Dark	60.000	52	16Bet Cet	2.0370	4500.0	120	43413	No
119	GOM_TRA_1PNPDE20100619_234153_000000562090_00273_43413_0467.N1	19-JUN-2010 23:41:53	Dark	56.000	84	Alp Phe	2.3970	4500.0	112	43413	No
120	GOM_TRA_1PNPDE20100619_234816_000000492090_00274_43414_0468.N1	19-JUN-2010 23:48:16	Dark	49.000	63	Bet Gru	2.1500	2800.0	98	43414	No
121	GOM_TRA_1PNPDE20100619_235019_000000502090_00274_43414_0469.N1	19-JUN-2010 23:50:19	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	43414	No
122	GOM_TRA_1PNPDE20100619_235347_000000422090_00274_43414_0470.N1	19-JUN-2010 23:53:47	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43414	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).

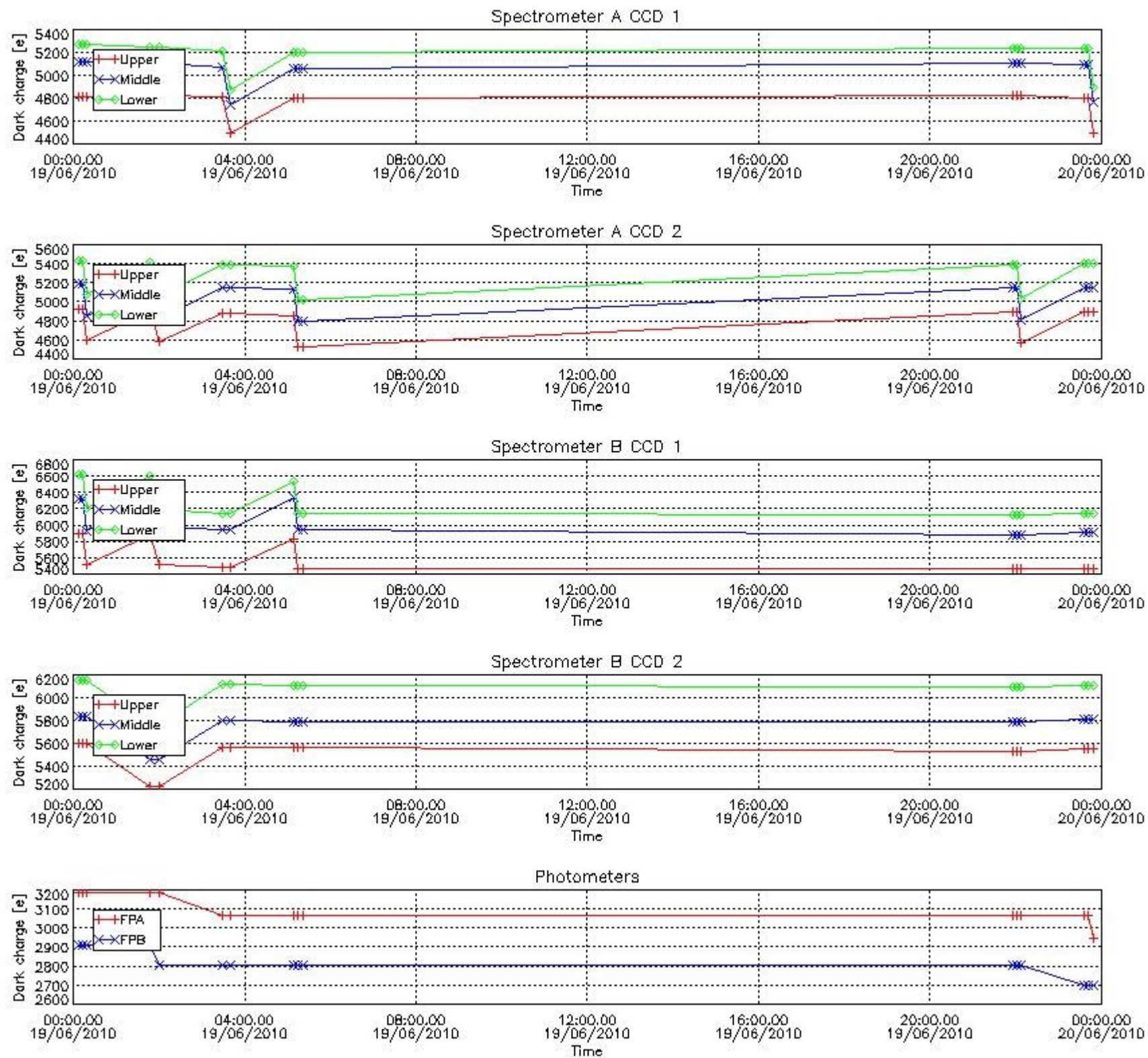
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100619_204201_000000472090_00272_43412_0426.N1	DC map used
GOM_TRA_1PNPDE20100619_204328_000000492090_00272_43412_0427.N1	DC map used
GOM_TRA_1PNPDE20100619_204836_000000402090_00272_43412_0428.N1	DC map used
GOM_TRA_1PNPDE20100619_205452_000000422090_00272_43412_0429.N1	DC map used
GOM_TRA_1PNPDE20100619_205720_000000422090_00272_43412_0430.N1	DC map used
GOM_TRA_1PNPDE20100619_205930_000000372090_00272_43412_0431.N1	DC map used
GOM_TRA_1PNPDE20100619_210227_000000362090_00272_43412_0432.N1	DC map used
GOM_TRA_1PNPDE20100619_210904_000000412090_00272_43412_0433.N1	DC map used
GOM_TRA_1PNPDE20100619_211052_000000532090_00272_43412_0434.N1	DC map used
GOM_TRA_1PNPDE20100619_211911_000000492090_00272_43412_0435.N1	DC map used
GOM_TRA_1PNPDE20100619_212554_000000442090_00272_43412_0436.N1	DC map used
GOM_TRA_1PNPDE20100619_212722_000000462090_00272_43412_0437.N1	DC map used
GOM_TRA_1PNPDE20100619_212920_000000532090_00272_43412_0438.N1	DC map used
GOM_TRA_1PNPDE20100619_213246_000000442090_00272_43412_0439.N1	DC map used

GOM_TRA_1PNPDE20100619_213507_000000442090_00272_43412_0440.N1	DC map used
GOM_TRA_1PNPDE20100619_213849_000000512090_00272_43412_0441.N1	DC map used

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



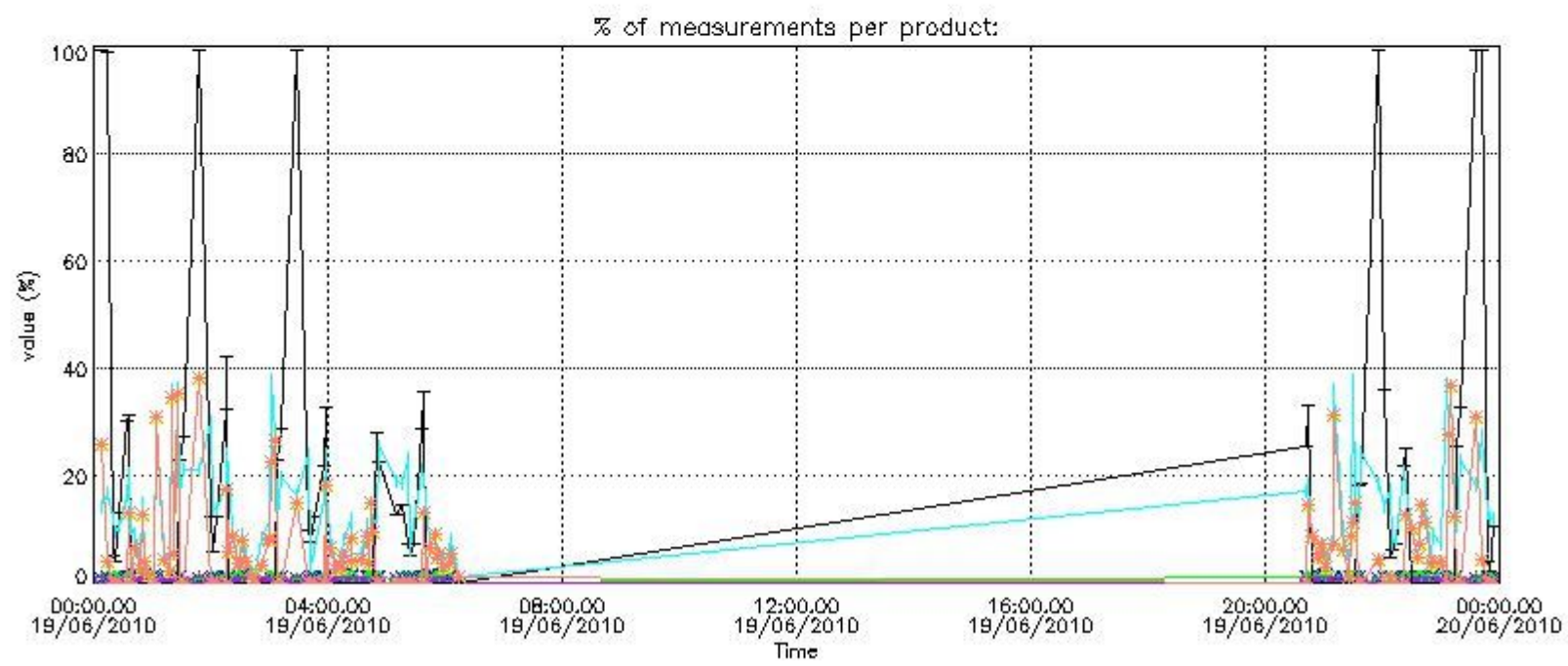
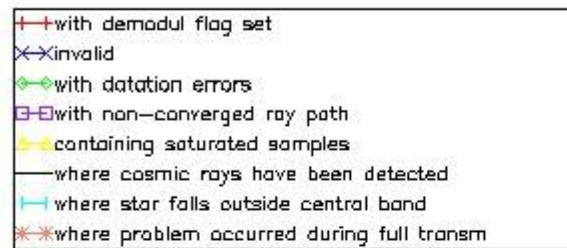
5. Demodulation flag and quality information monitoring

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.

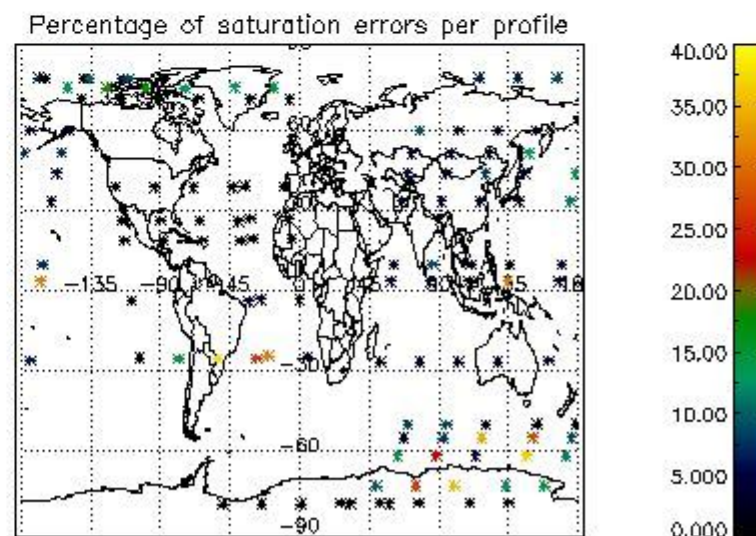
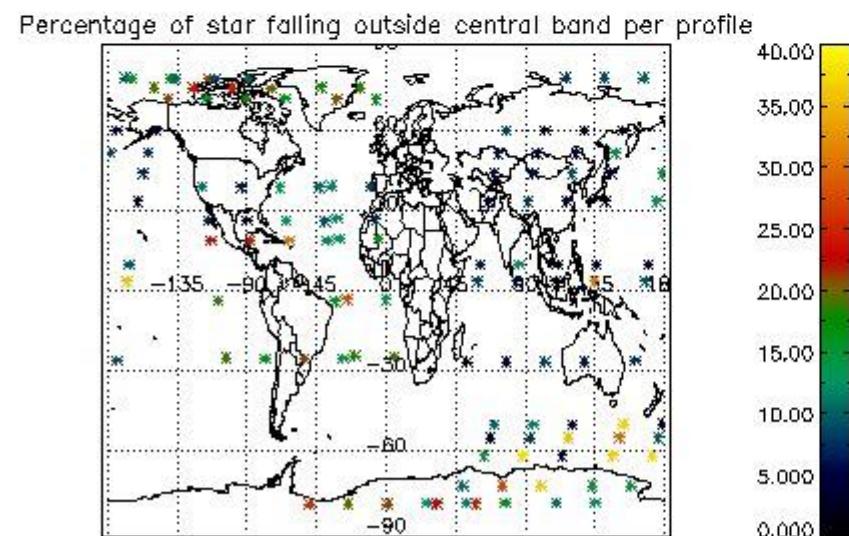
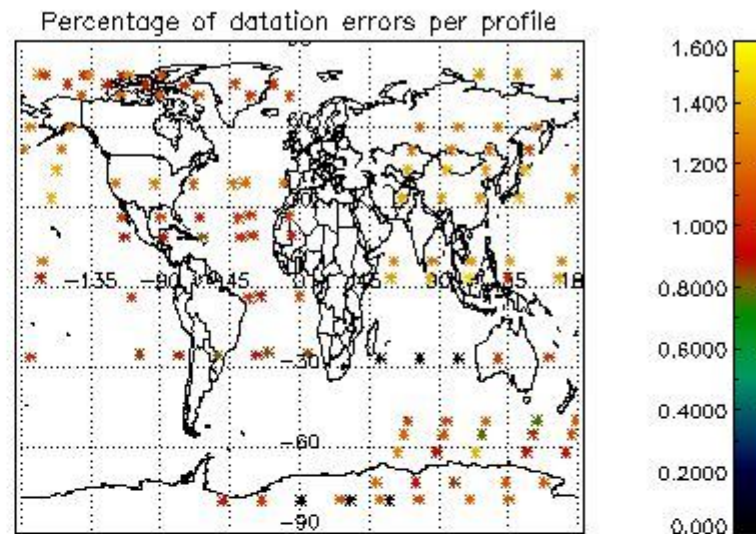
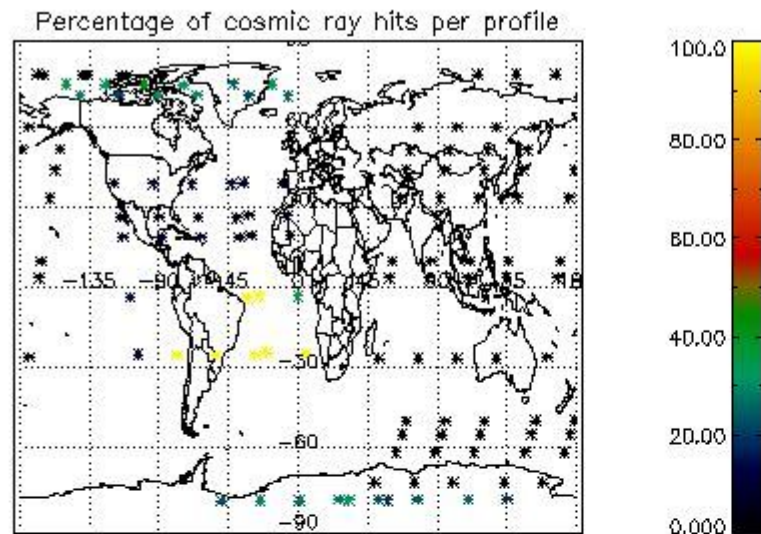
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	31.9672 %
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)



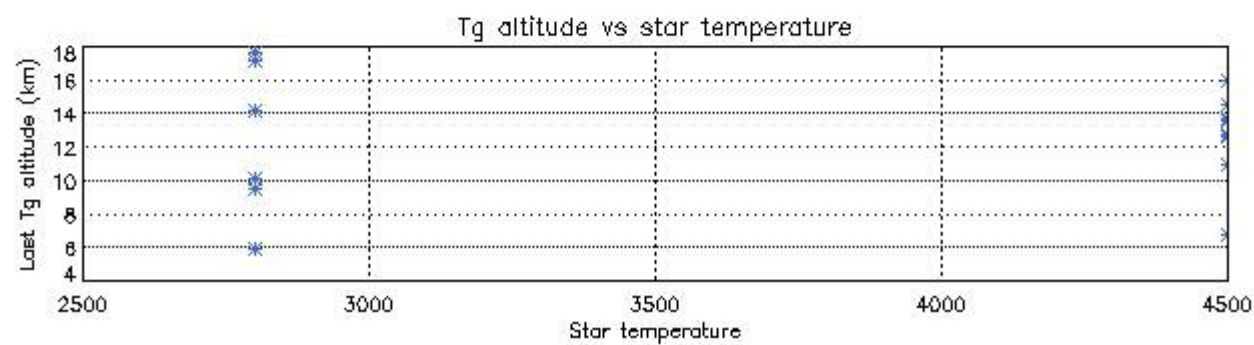
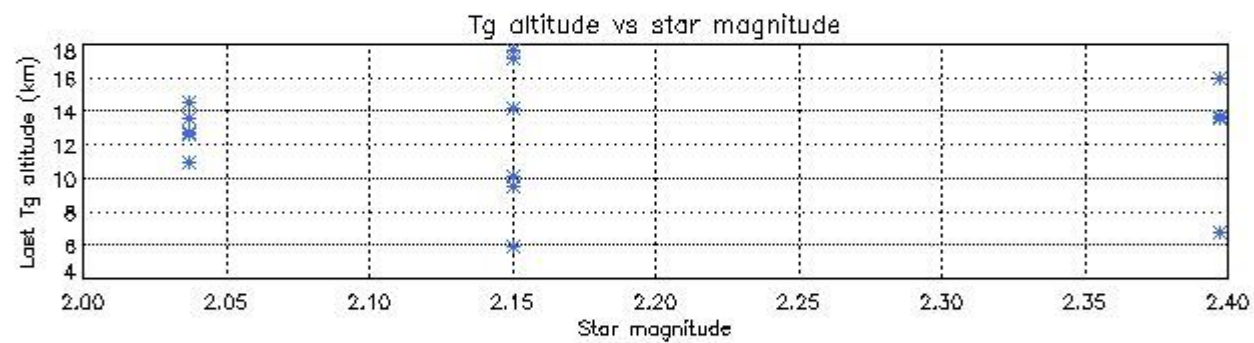
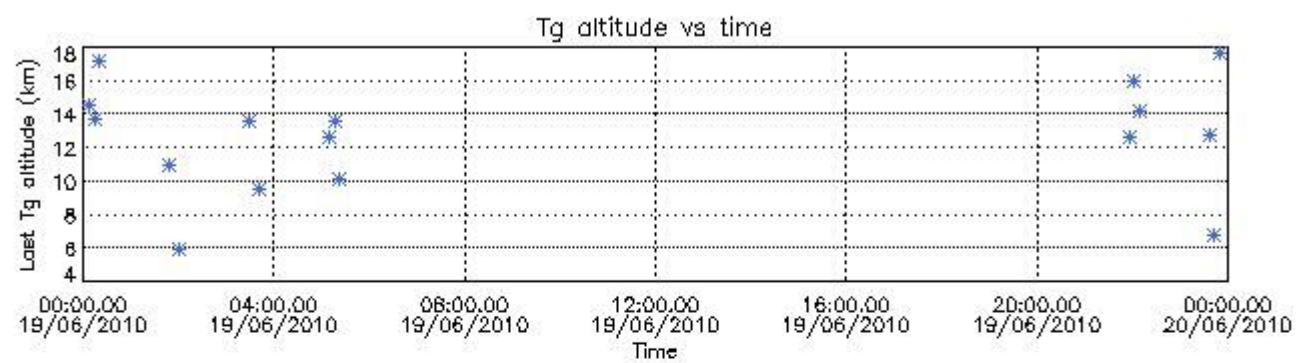
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	12.601	17.799	10.238
St. deviation:	3.3109	6.0753	1.0009
Maximum:	17.606	29.828	11.359
Minimum:	5.9307	3.5386	8.7635
Number of data:	16.000	77.000	5.0000

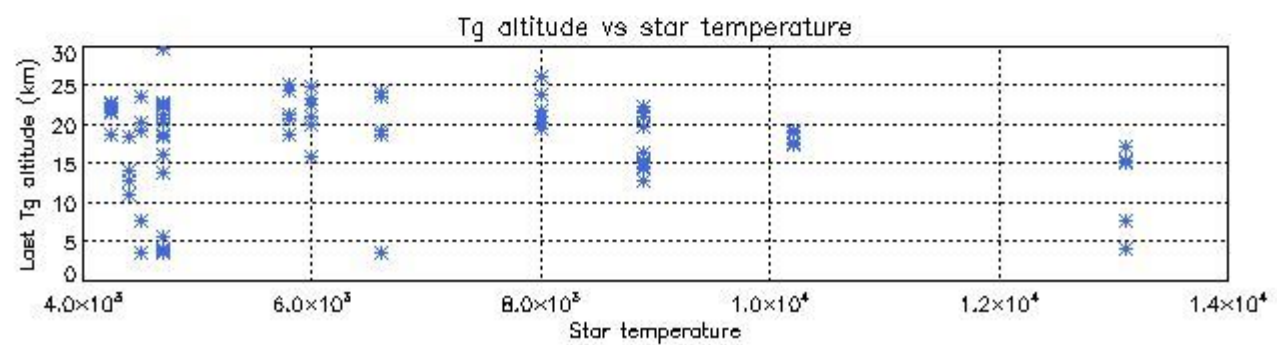
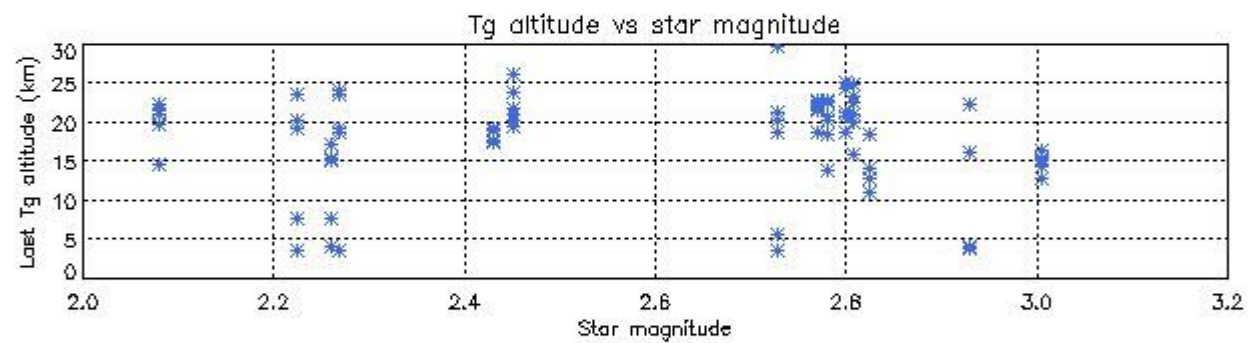
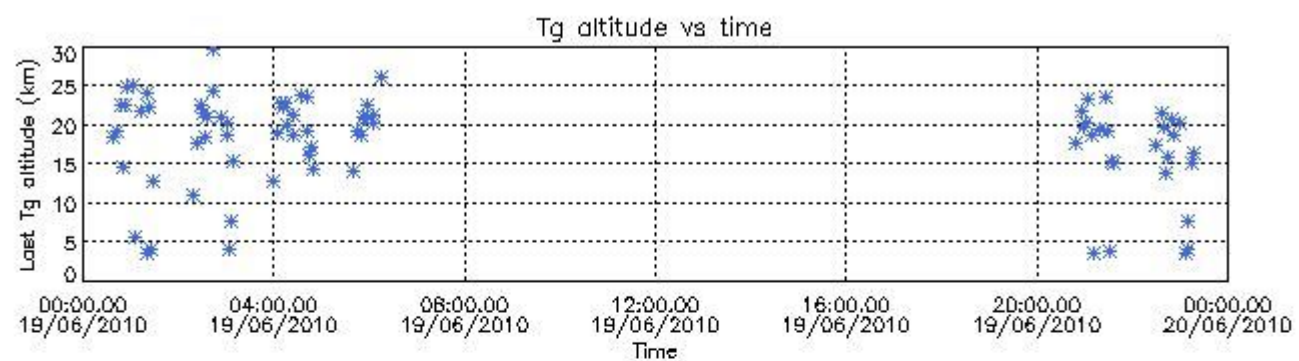
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



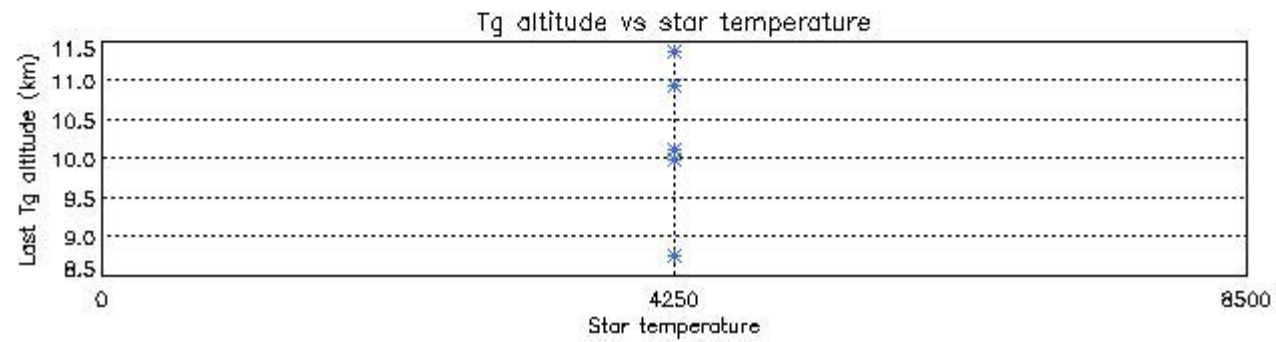
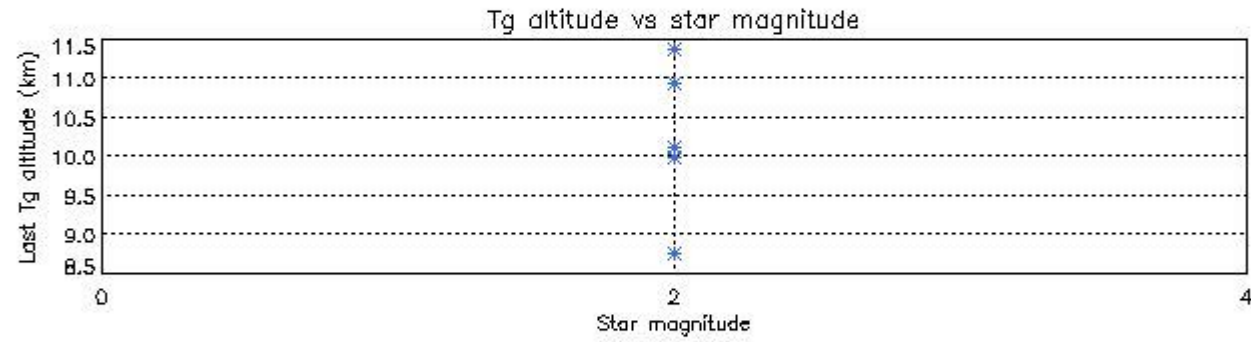
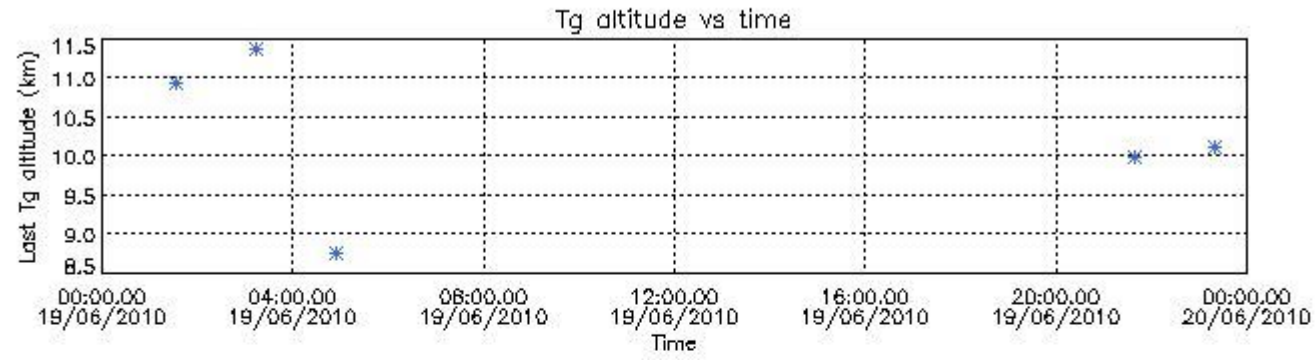
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

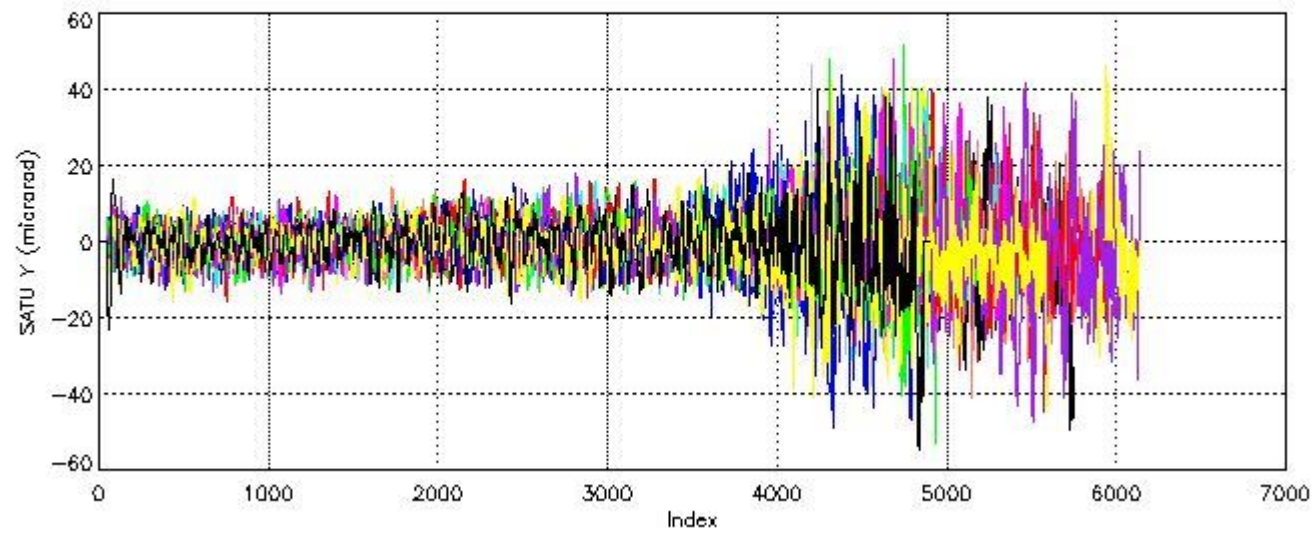
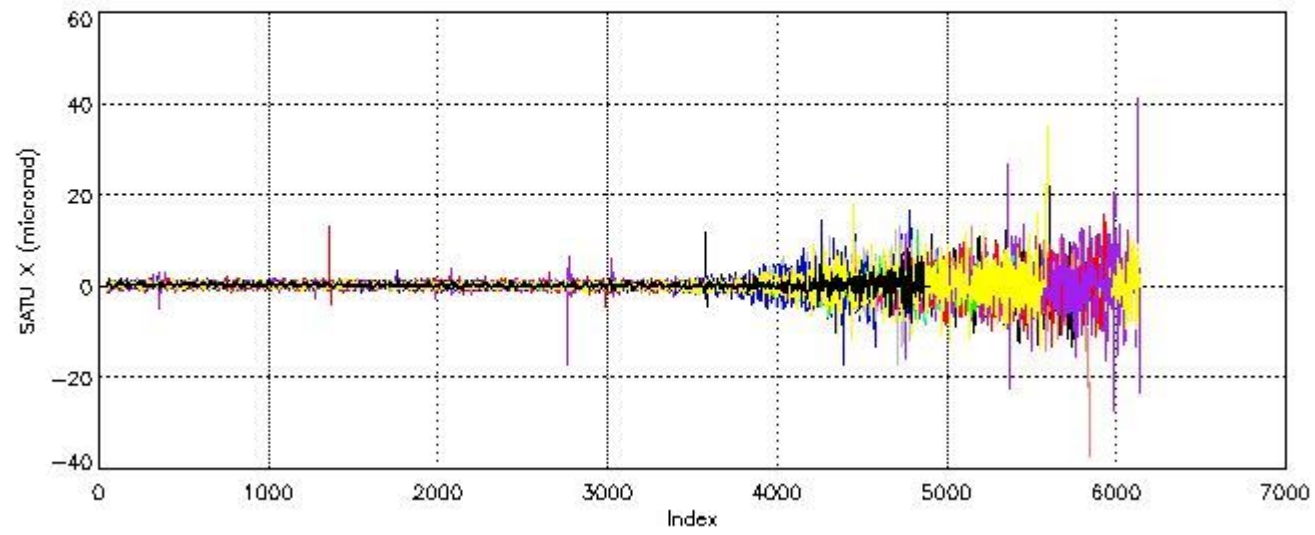


7. Star Acquisition and Tracking Unit (SATU)

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:	0.27023	-0.64507	0.18272	-0.53382
St. deviation:	0.36279	3.9098	0.76815	3.4425
Maximum:	2.8000	16.500	4.3000	13.200
Minimum:	-5.0000	-23.400	-4.2000	-16.200

Number of data:	18200.	18200.	74450.	74450.
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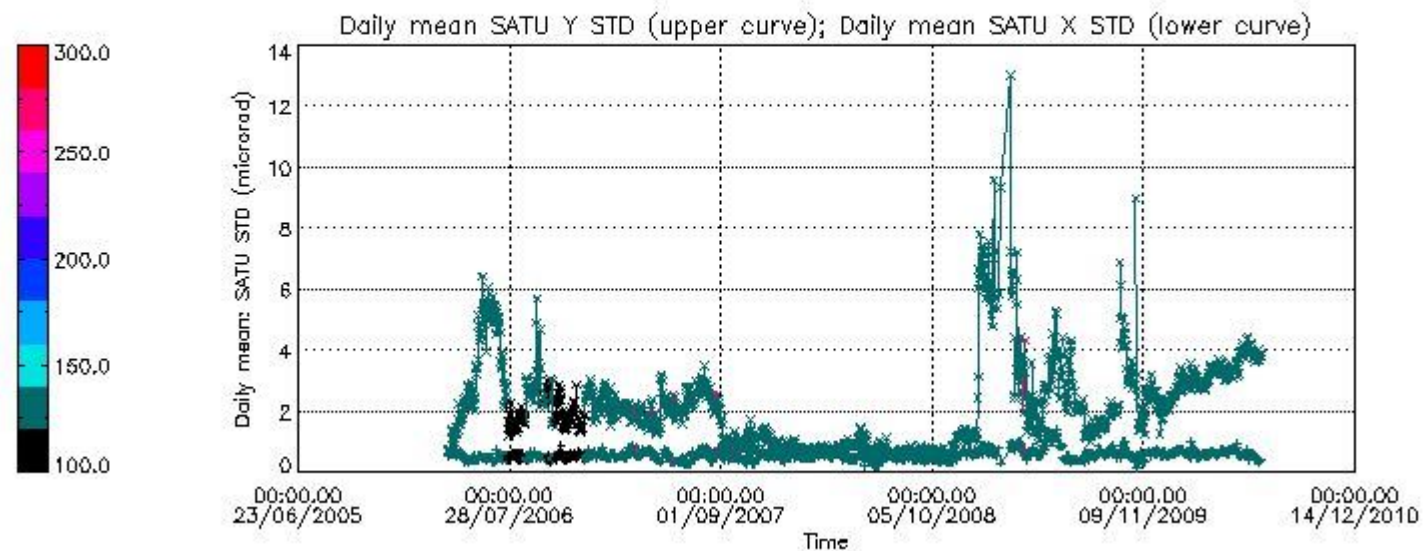
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

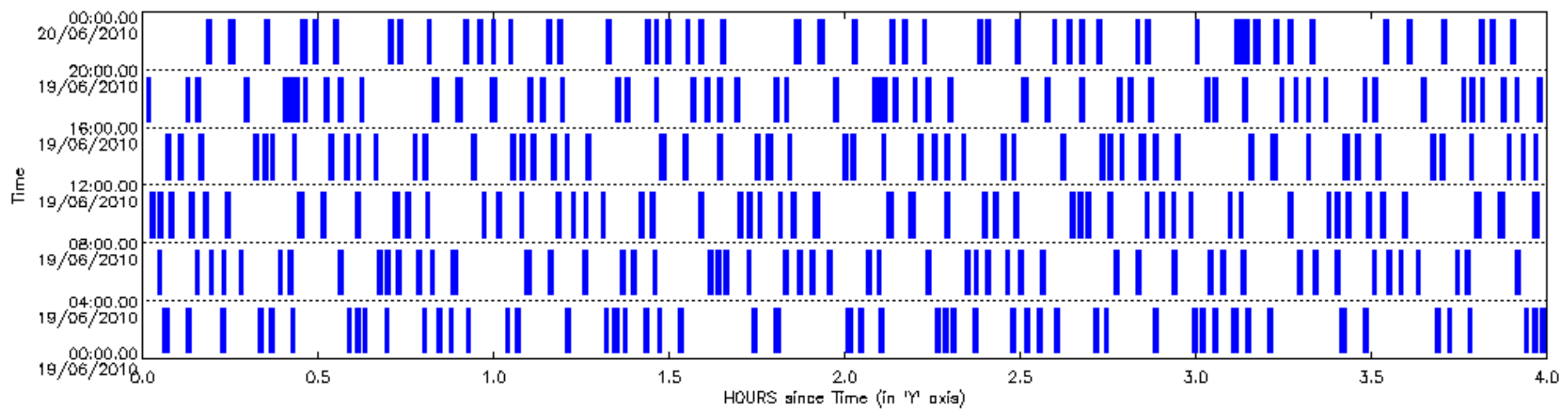
Lower curve: STD of SATU X axis

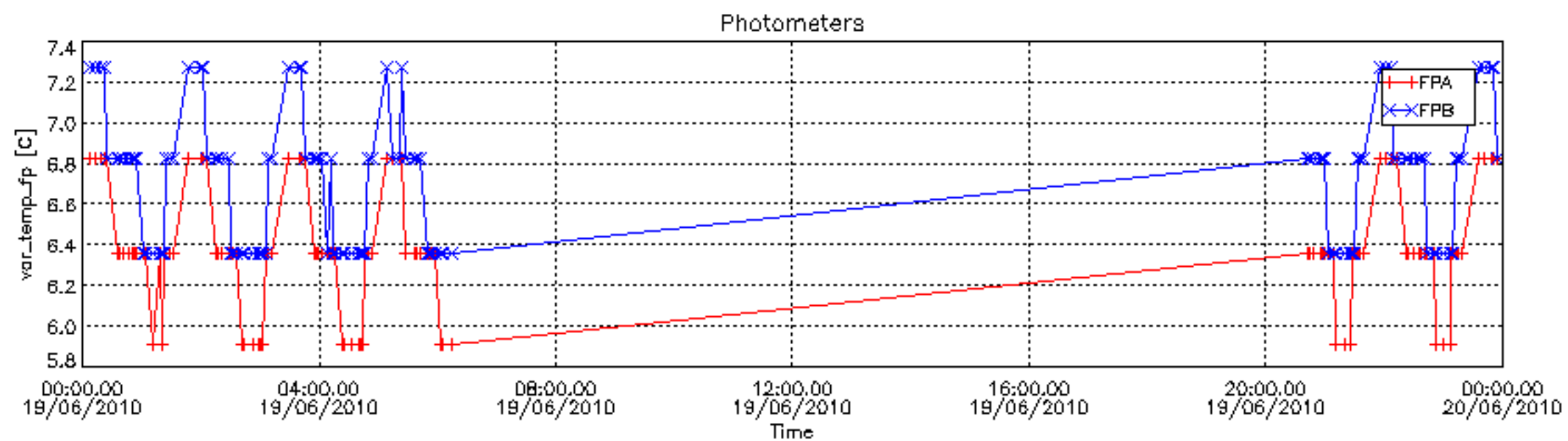
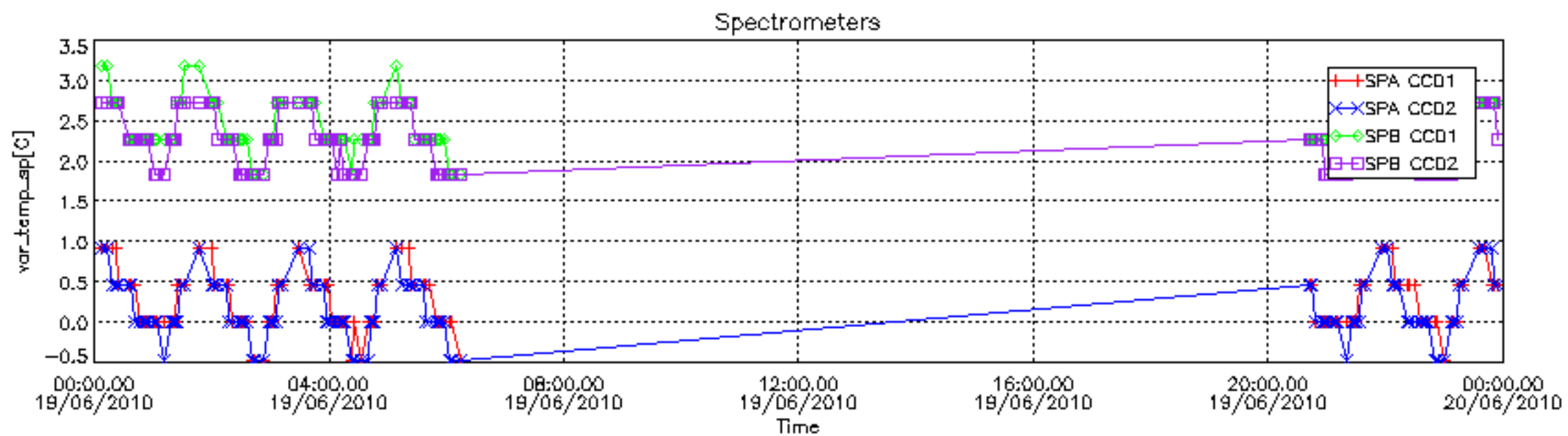


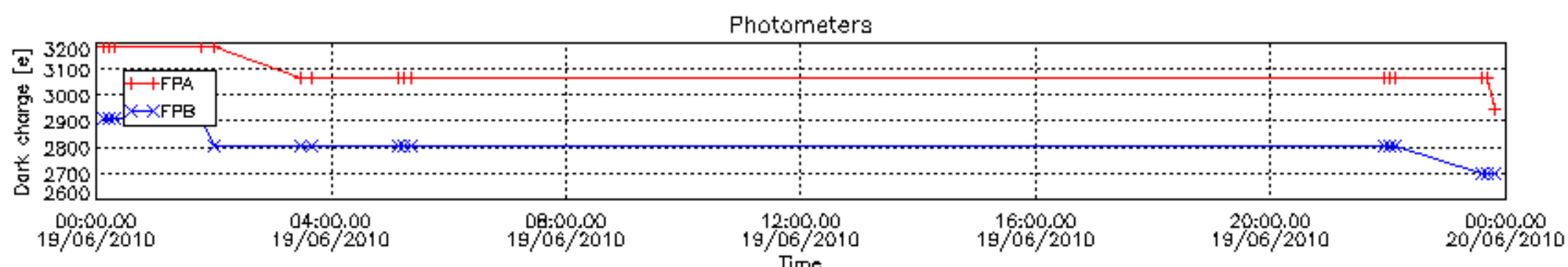
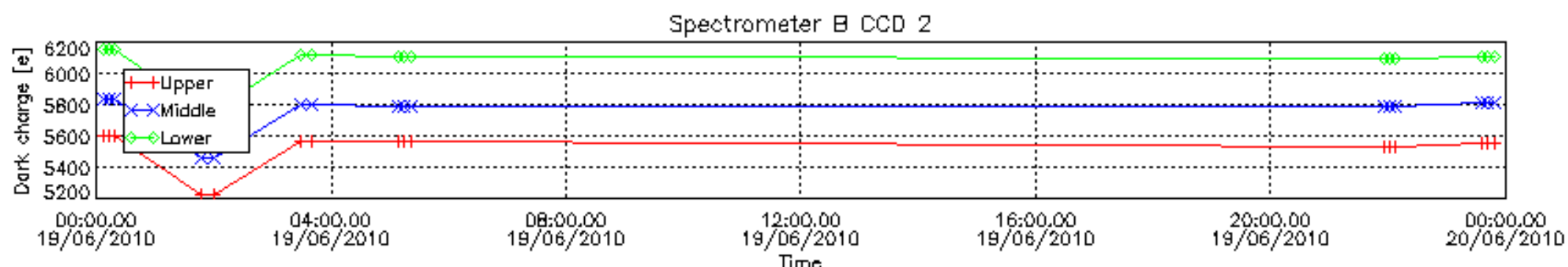
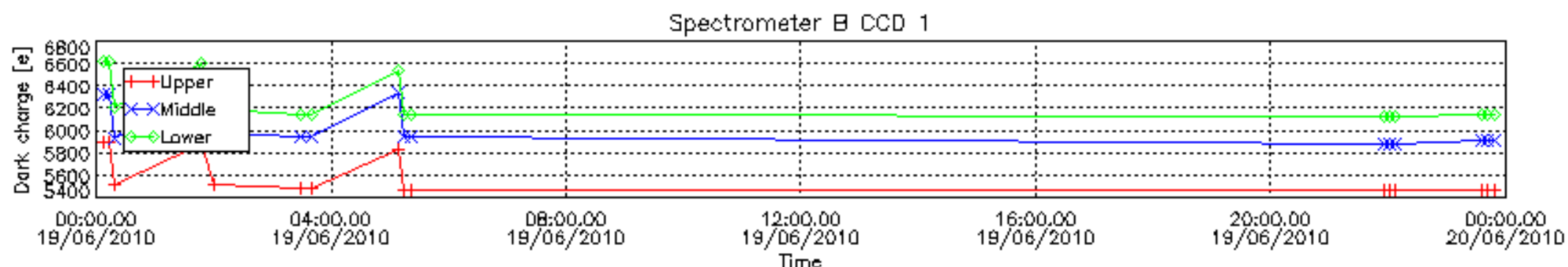
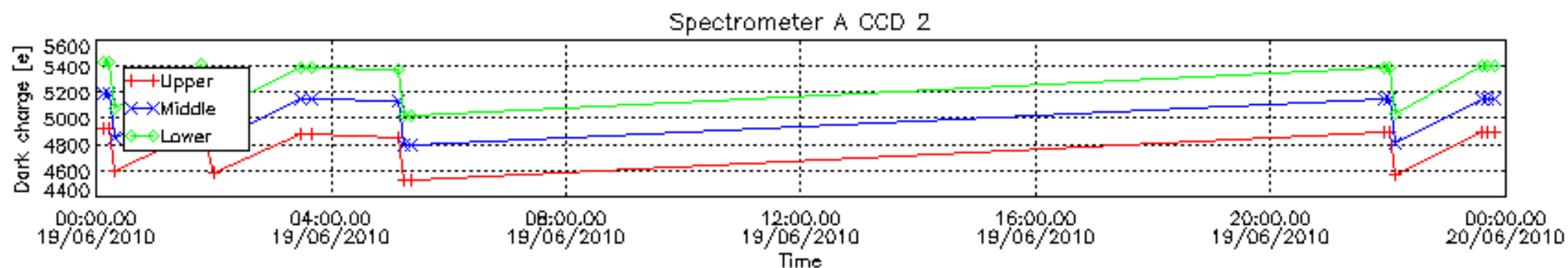
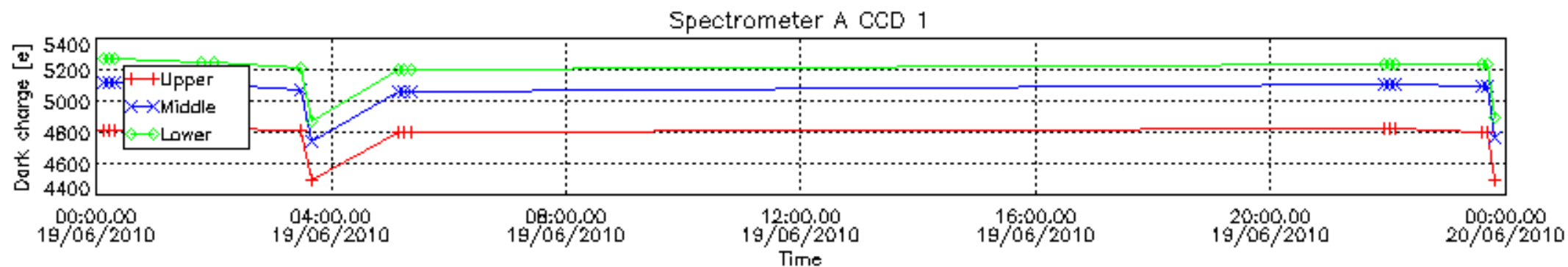
8. Auxiliary Data Files used for the production reported in section 2.4

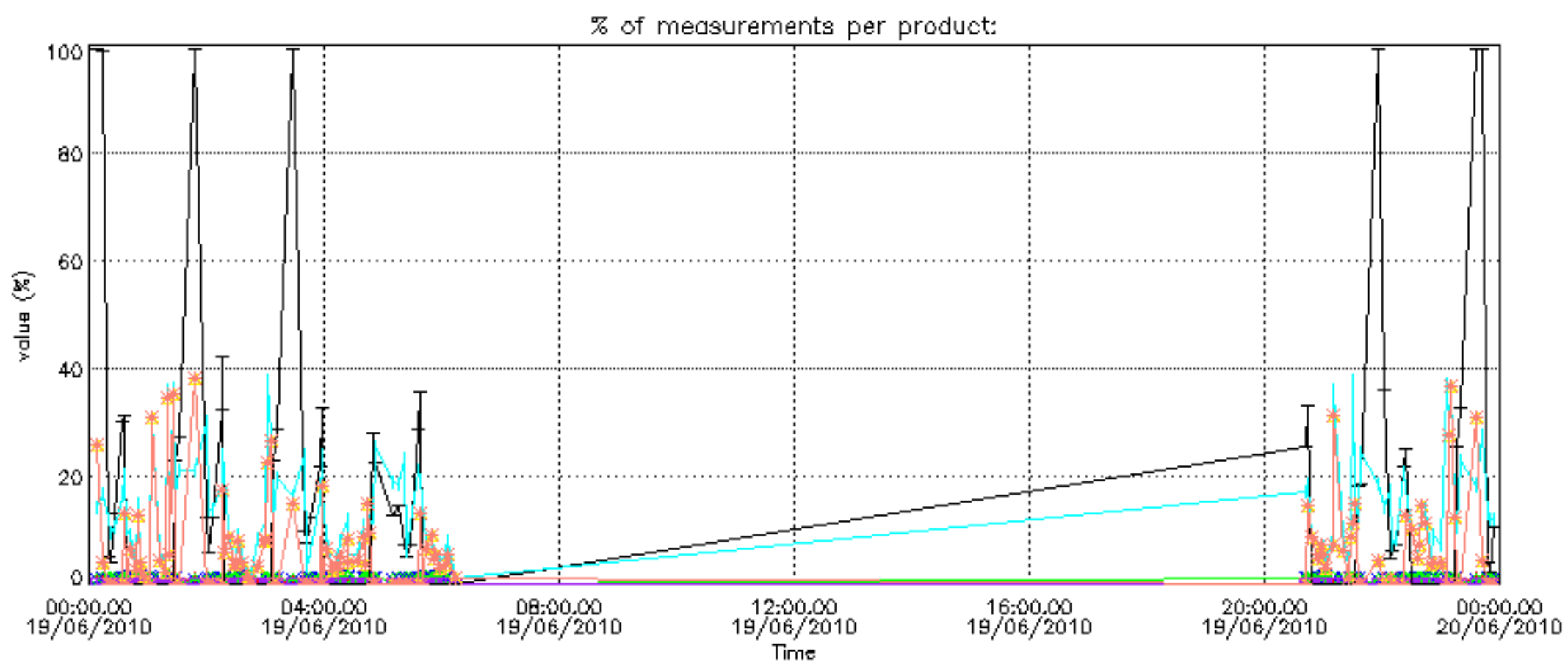
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	19-JUN-2010 00:07:17
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100615_083814_20100613_000000_20500101_000000	1	19-JUN-2010 00:07:17
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	19-JUN-2010 00:07:17
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	19-JUN-2010 00:07:17
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	19-JUN-2010 00:07:17
ECMWF_FILE	AUX_ECF_AXNECM20100618_054112_20100618_210000_20100619_090000	1	19-JUN-2010 00:07:17
ECMWF_FILE	AUX_ECF_AXNECM20100618_172114_20100619_030000_20100619_150000	59	19-JUN-2010 04:39:59
ECMWF_FILE	AUX_ECF_AXNECM20100619_055228_20100619_150000_20100620_030000	81	19-JUN-2010 20:42:01
ECMWF_FILE	AUX_ECF_AXNECM20100619_055228_20100619_210000_20100620_090000	97	19-JUN-2010 21:55:20
OPTIONAL_ECMWF_FILE	MISSING	1	19-JUN-2010 00:07:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100619_000017_000057382090_00259_43399_0579.N1	1	19-JUN-2010 00:07:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100619_014114_000038262090_00260_43400_0580.N1	23	19-JUN-2010 01:47:54
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100619_025018_000060572090_00261_43401_0581.N1	38	19-JUN-2010 02:59:23
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100619_043634_000054192090_00262_43402_0582.N1	59	19-JUN-2010 04:39:59
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100619_203256_000041442090_00272_43412_0583.N1	81	19-JUN-2010 20:42:01
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100619_214719_000057382090_00272_43412_0584.N1	97	19-JUN-2010 21:55:20
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100619_232816_000057382090_00273_43413_0585.N1	118	19-JUN-2010 23:35:57

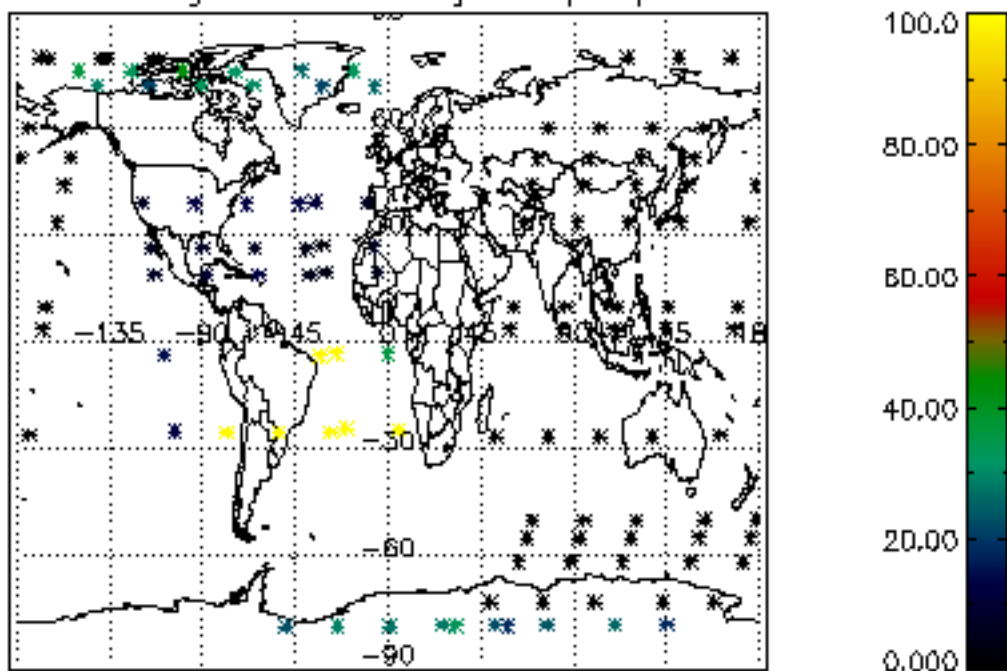




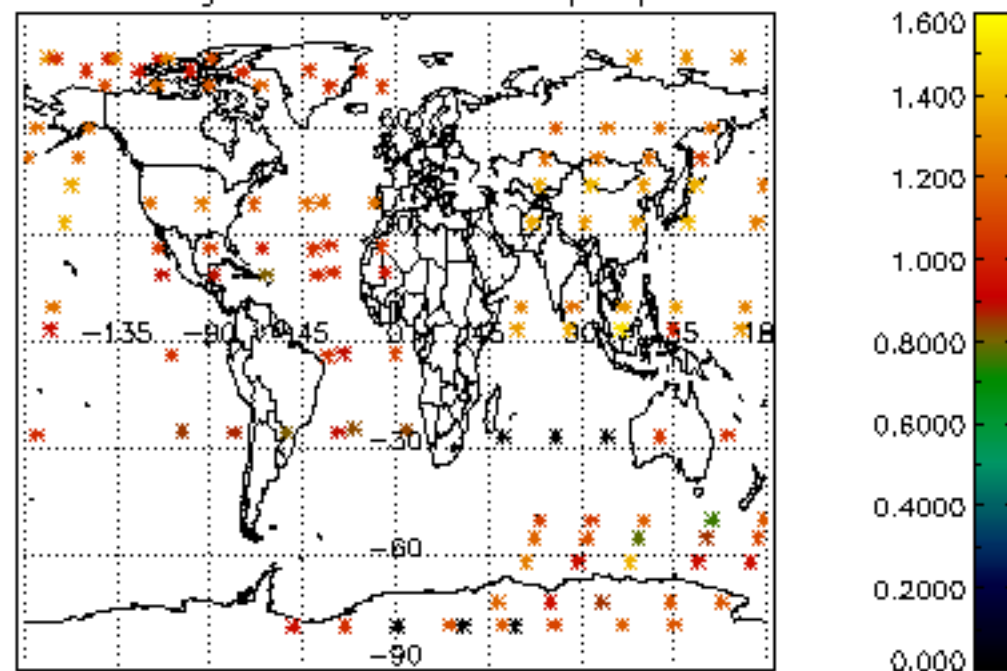




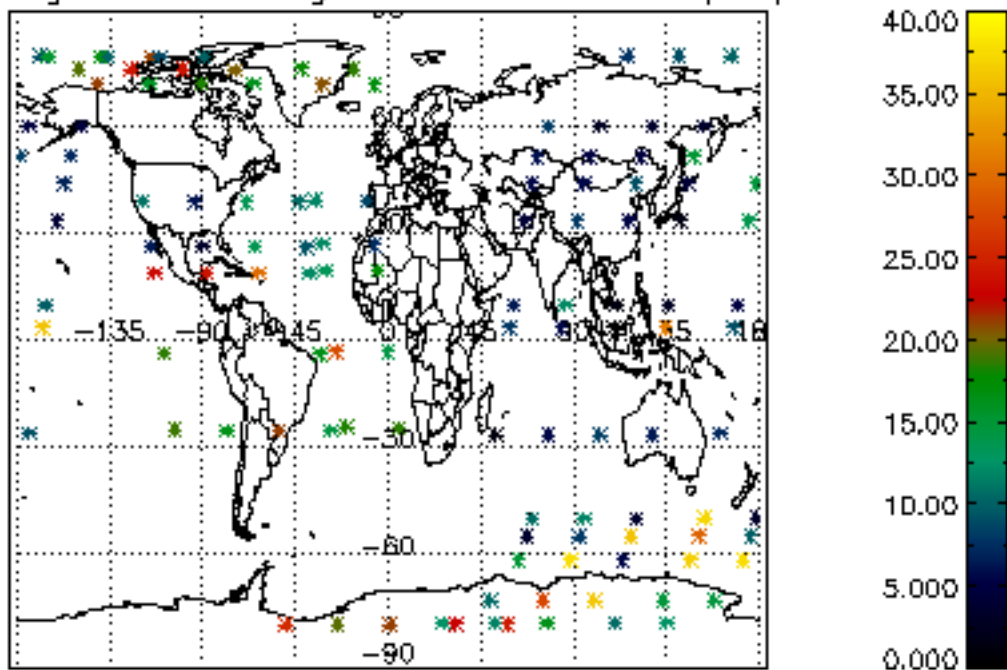
Percentage of cosmic ray hits per profile



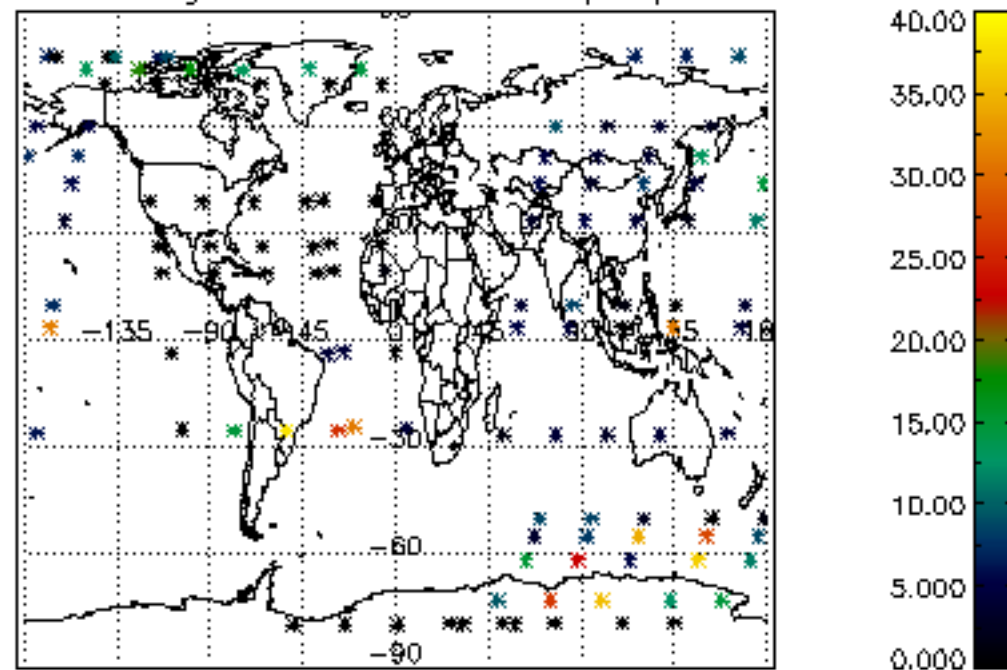
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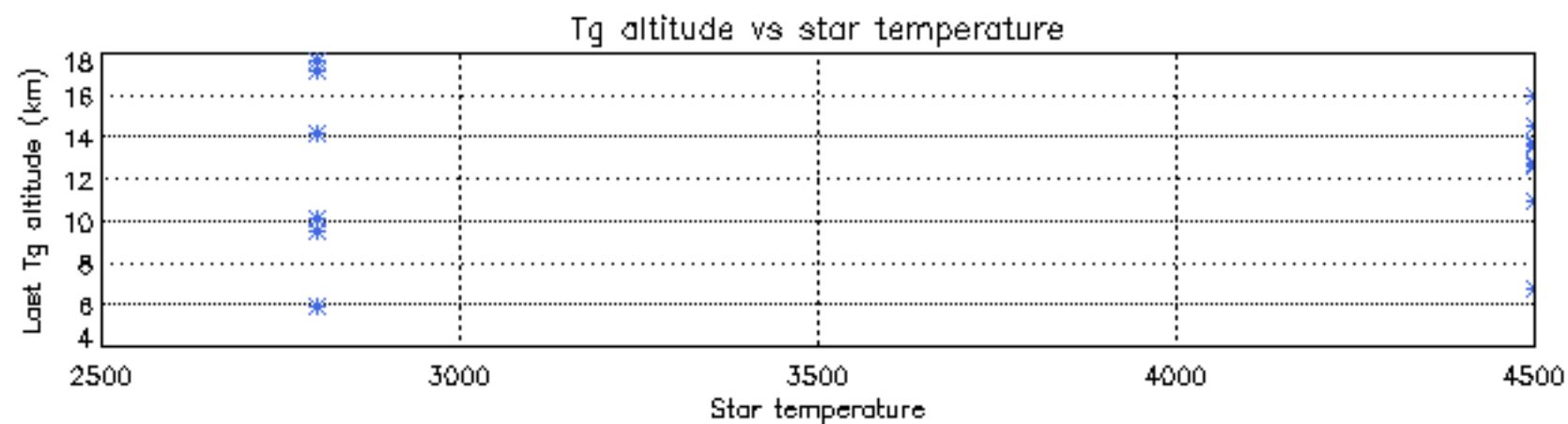
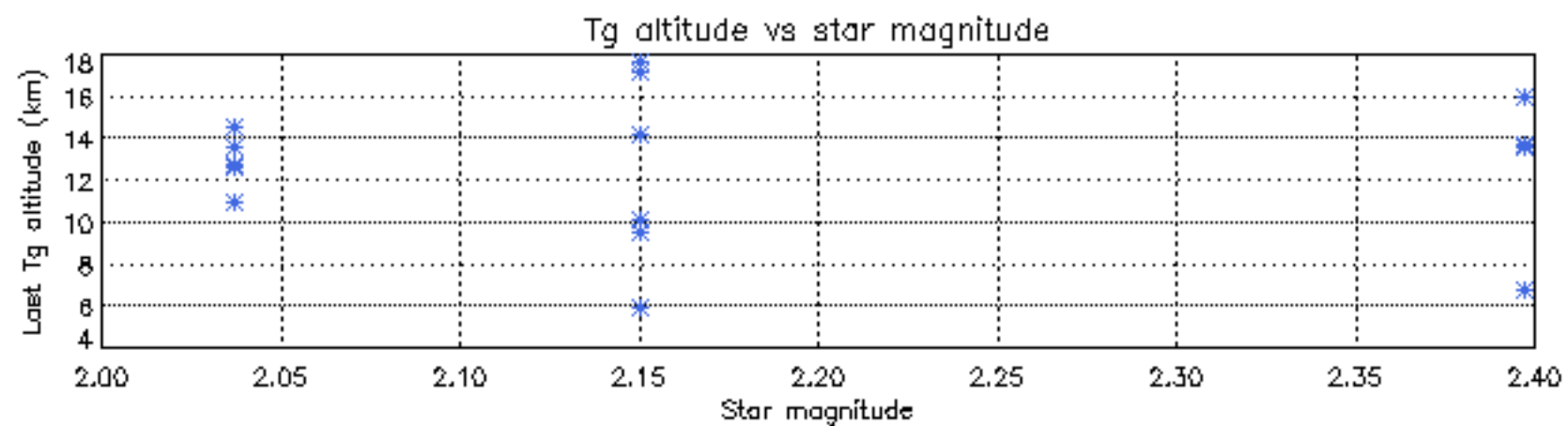
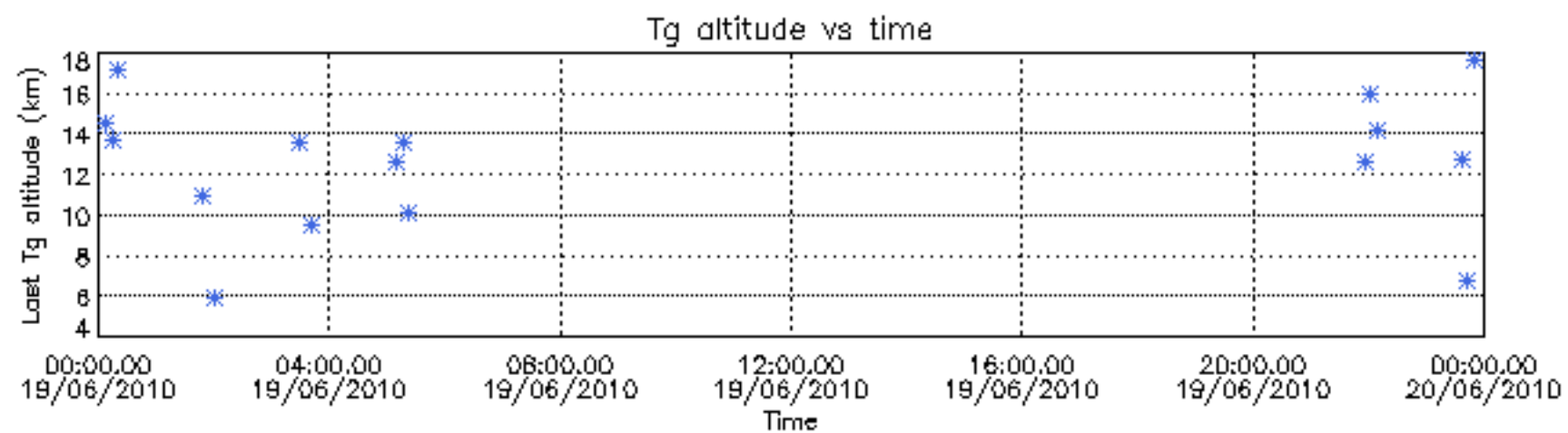
Percentage of star falling outside central band per profile



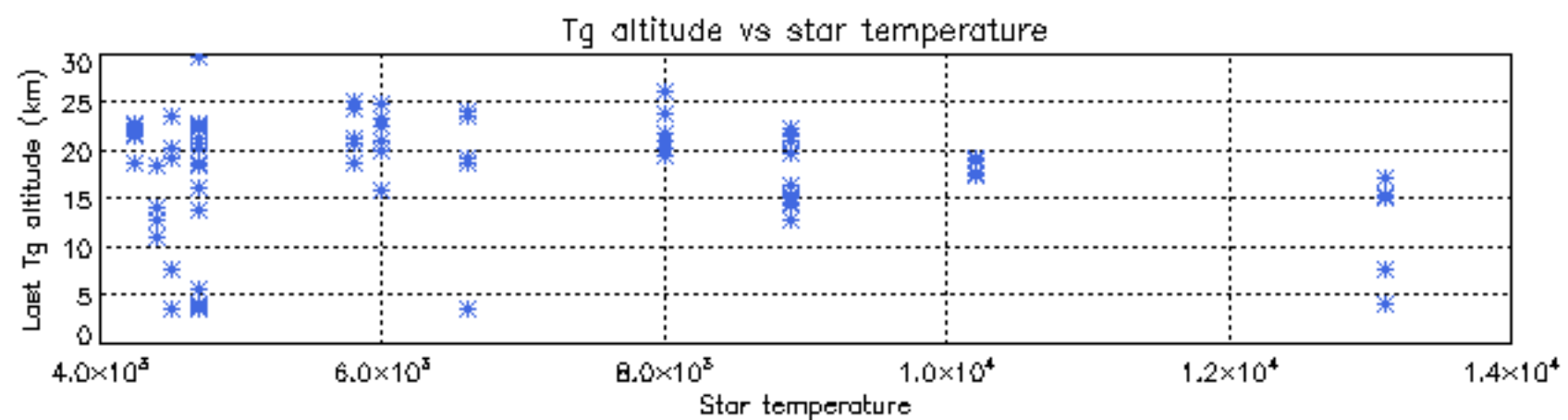
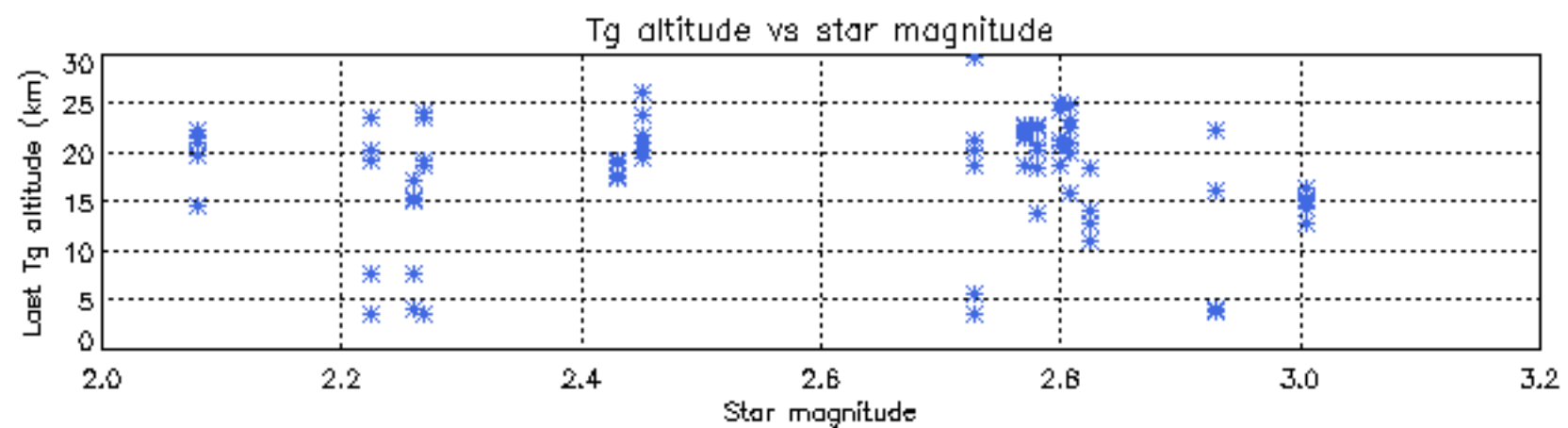
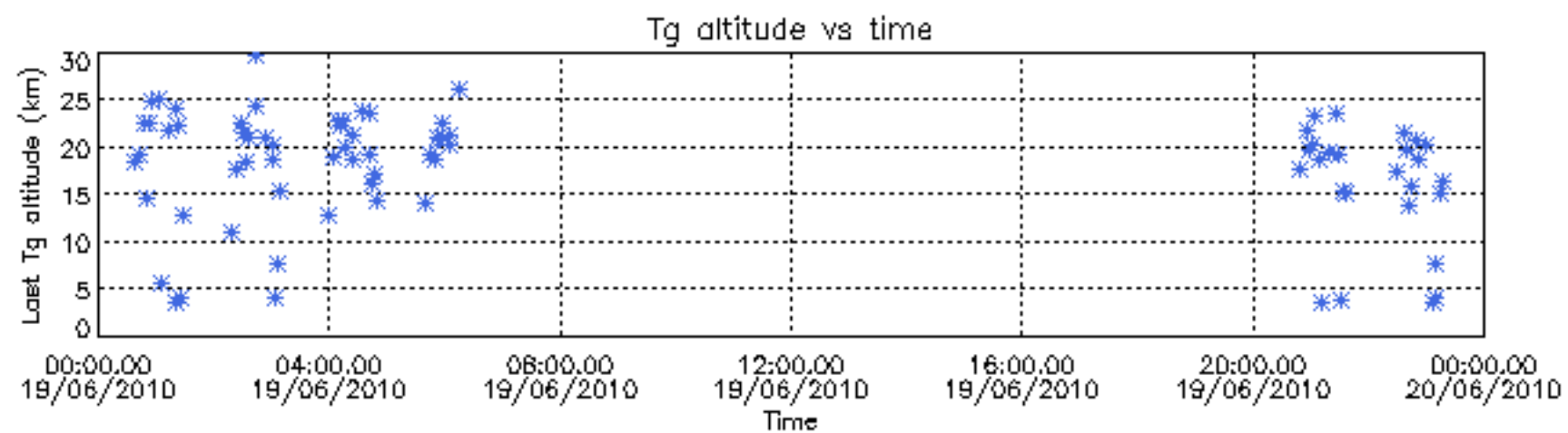
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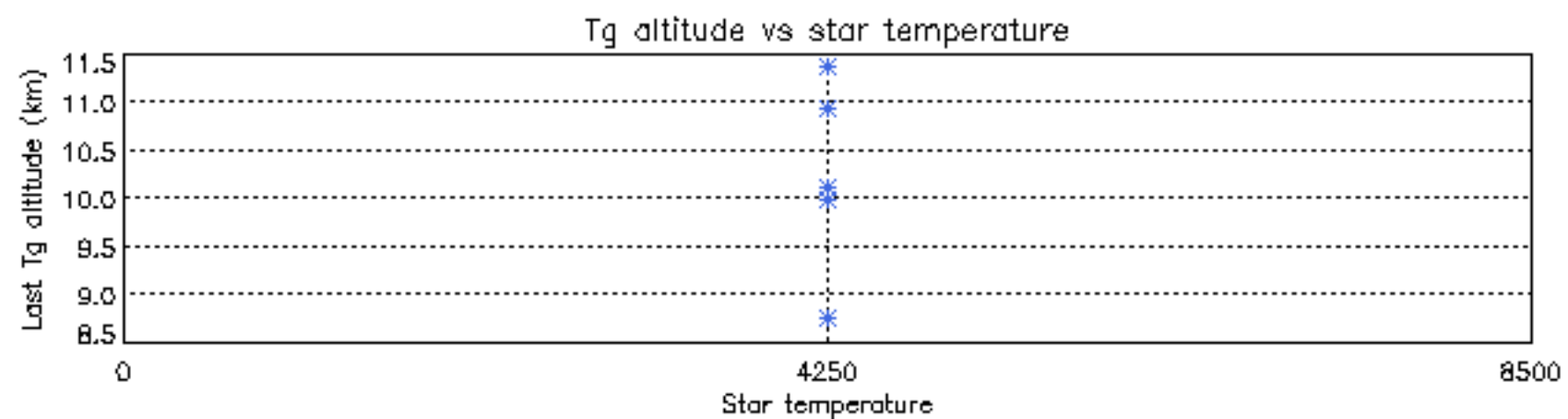
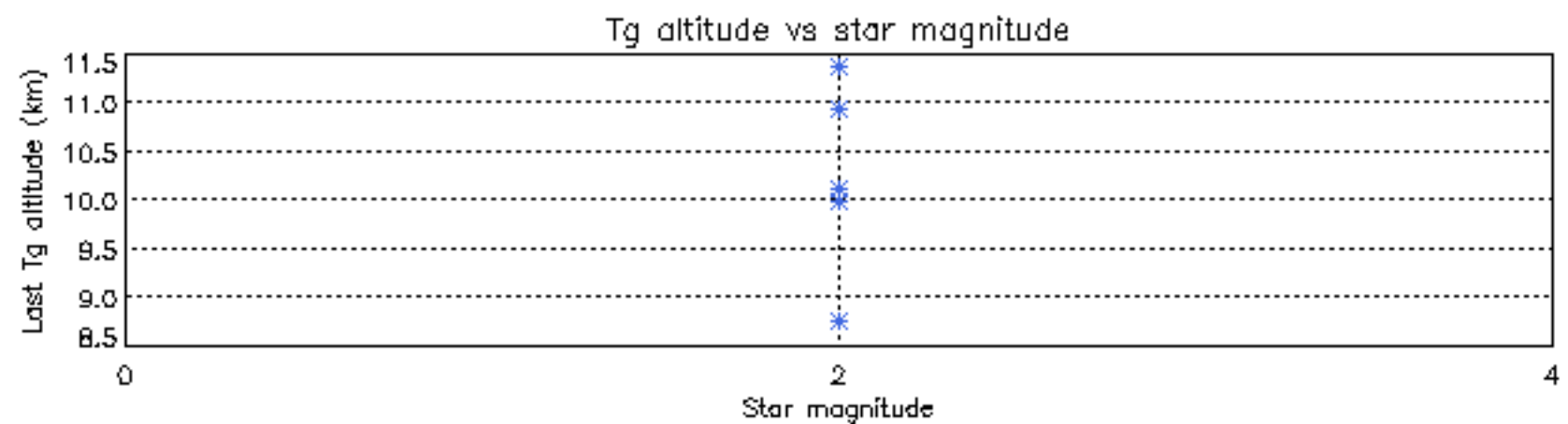
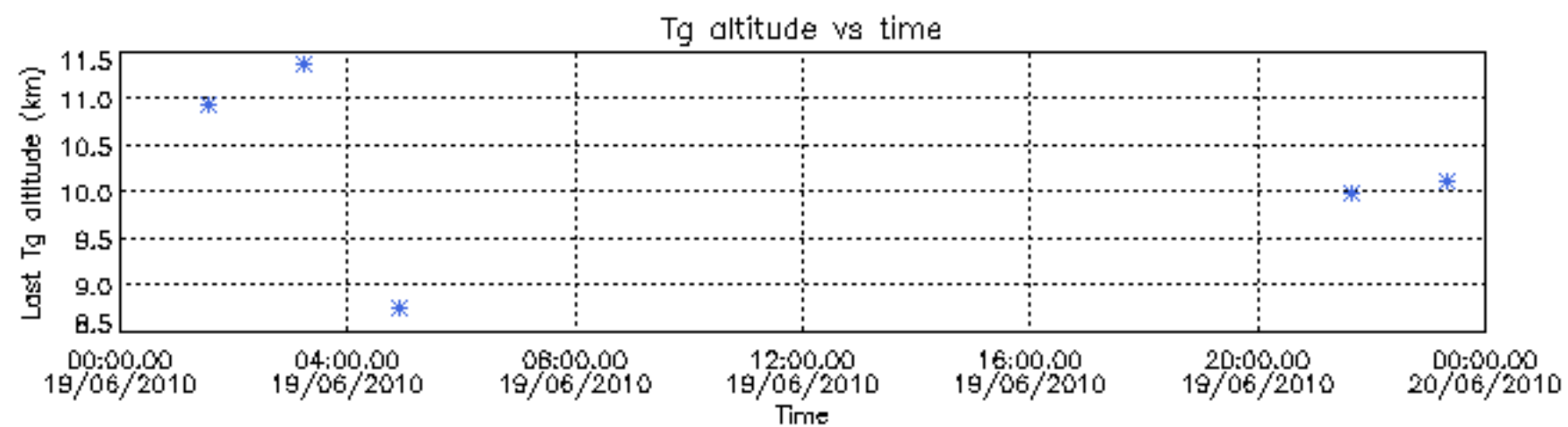
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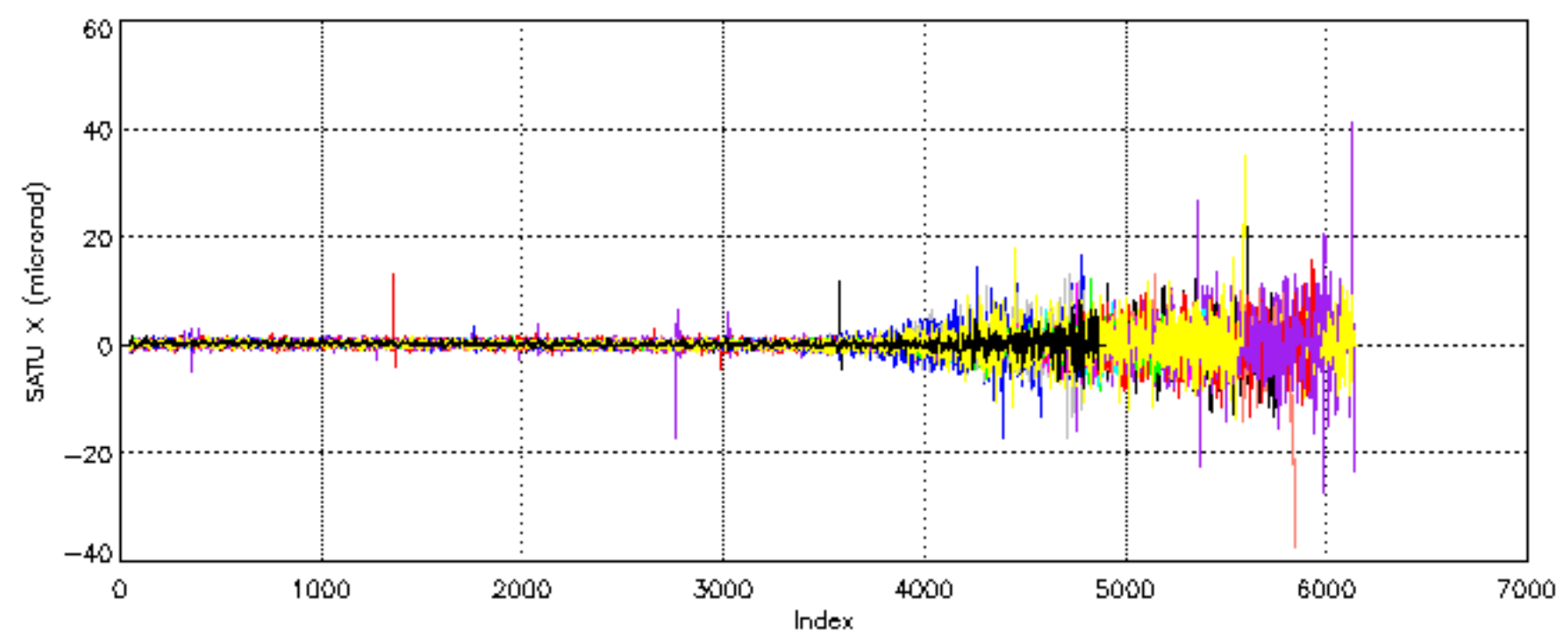


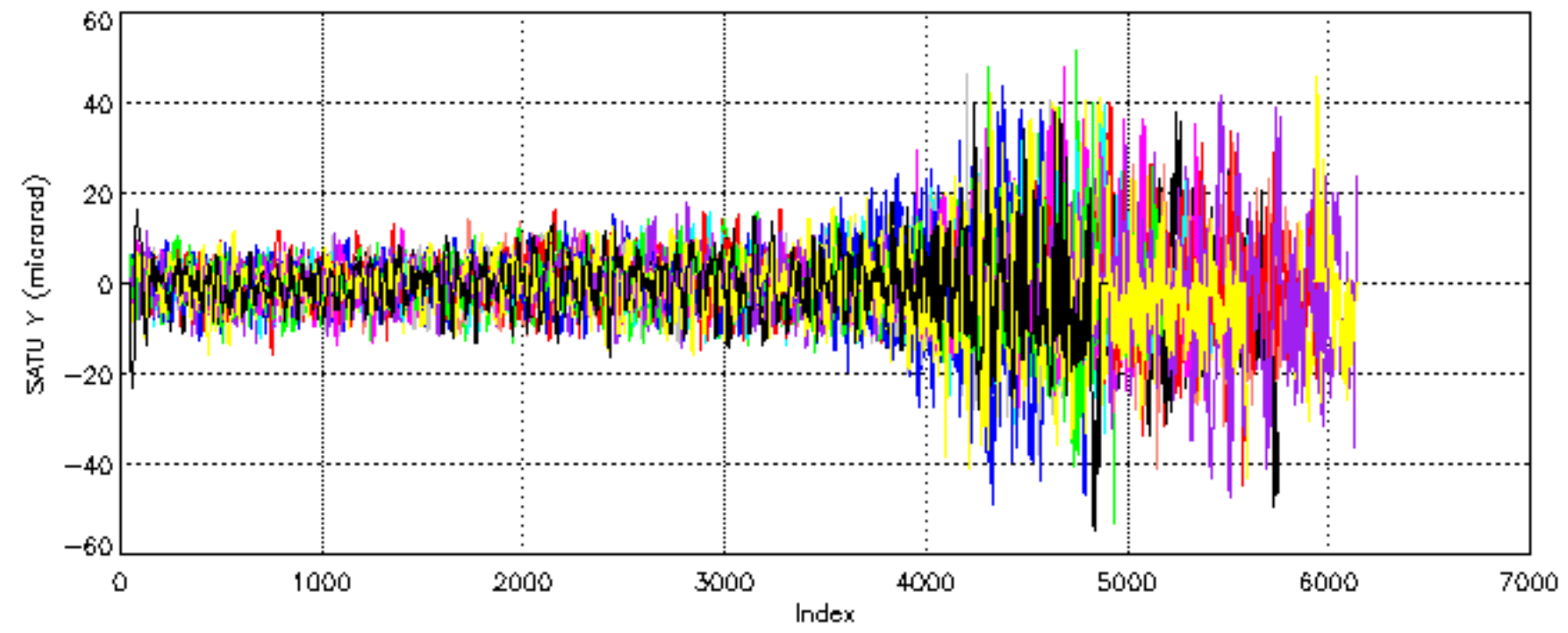
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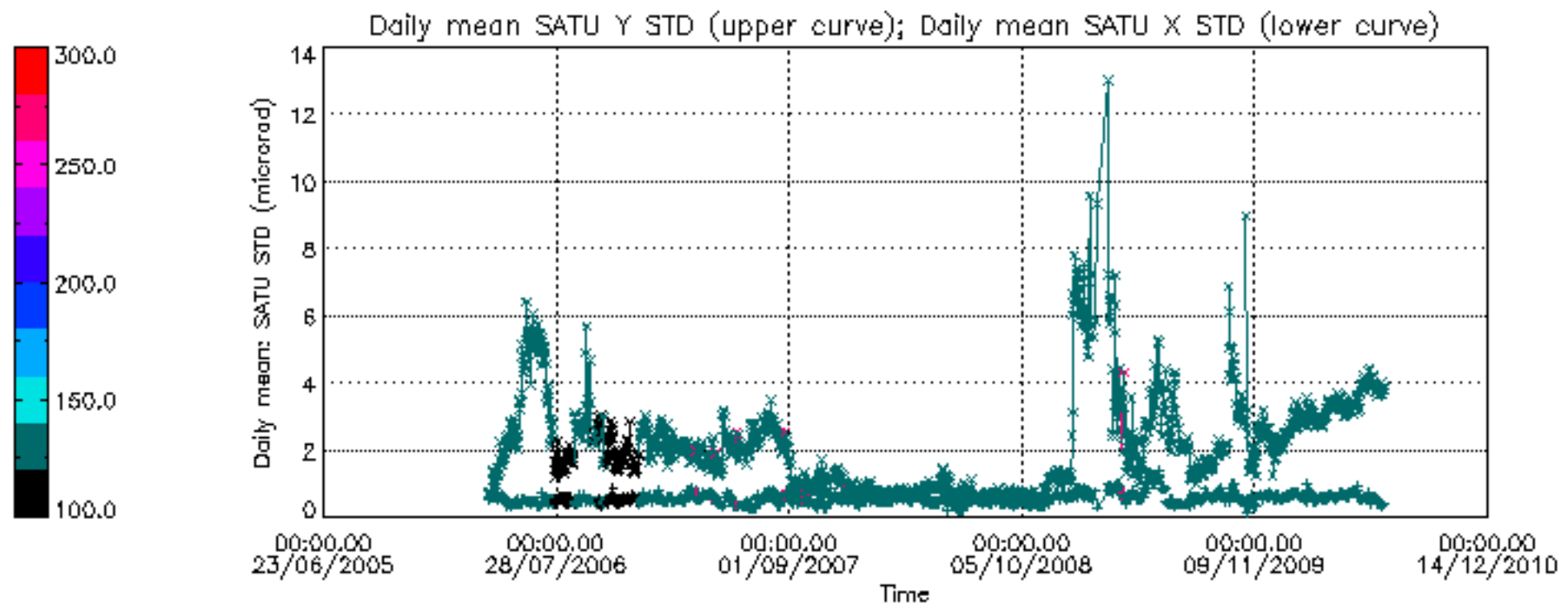


Tangent altitude at which the star is lost









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13; 2158.5; 16-JUN-2010 00:44:39; Bright; 45.5; 59; 55Alp Oph ; 2.08; 8900;occ; 91; 0;43357
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 21; 6427.8; 15-JUN-2010 19:13:24; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;43354
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 9; 2869.0; 15-JUN-2010 19:54:41; Bright; 42.5; 130; 23Bet Dra ; 2.80; 5800;occ; 85; 0;43354
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13; 1205.7; 16-JUN-2010 03:49:58; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;43359
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 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
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 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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 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
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12; 2273.8; 20-JUN-2010 00:20:42; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;43414
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17; 3857.3; 20-JUN-2010 00:47:05; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;43414
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19; 4064.2; 20-JUN-2010 00:50:32; Bright; 34.0; 160; 23Gam Per ; 2.93; 4700;occ; 68; 0;43414
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32; 8031.5; 20-JUN-2010 03:37:15; Bright; 43.0; 126; 60Bet Oph ; 2.77; 4250;occ; 86; 0;43416
33; 8178.9; 20-JUN-2010 03:39:43; Bright; 40.0; 59; 55Alp Oph ; 2.08; 8900;occ; 80; 0;43416
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 21; 7358.8; 22-JUN-2010 09:05:12; Dark ; 46.0; 116; 19Del Sgr ; 2.70; 4100;occ; 92; 0;43448
 22; 7489.9; 22-JUN-2010 09:07:23; Bright; 52.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 104; 0;43448
 23; 7661.1; 22-JUN-2010 09:10:14; Bright; 37.5; 86; 35Eta Oph ; 2.43; 10200;occ; 75; 0;43448

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 6; 3430.1; 22-JUN-2010 09:40:19; Bright; 69.0; 89; 5Alp Cep ; 2.45; 8000;occ; 138; 0;43448
 7; 3844.0; 22-JUN-2010 09:47:13; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;43448
 8; 3934.8; 22-JUN-2010 09:48:44; Bright; 43.5; 68; 18Alp Cas ; 2.22; 4500;occ; 87; 0;43448
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 11; 4414.0; 22-JUN-2010 09:56:43; Dark ; 45.0; 173; 4Bet Tri ; 3.00; 8900;occ; 90; 0;43448
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 15; 6012.4; 22-JUN-2010 10:23:22; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;43448
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 20; 7358.9; 22-JUN-2010 10:45:48; Dark ; 50.5; 116; 19Del Sgr ; 2.70; 4100;occ; 101; 0;43449
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19; 7273.4; 22-JUN-2010 12:24:59; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;43450
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 29; 7492.4; 23-JUN-2010 03:34:01; Bright; 48.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 97; 0;43459
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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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 11; 496.6; 23-JUN-2010 06:39:13; Dark ; 53.5; 31; Alp Gru ; 1.73; 15200;occ; 107; 0;43461
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 13; 1241.5; 23-JUN-2010 08:32:14; Dark ; 47.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 95; 0;43462
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4; 506.4; 23-JUN-2010 23:25:22; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43471
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8; 1459.2; 23-JUN-2010 23:41:15; Bright; 50.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 100; 0;43471
9; 1988.1; 23-JUN-2010 23:50:04; Bright; 39.5; 126; 60Bet Oph ; 2.77; 4250;occ; 79; 0;43471
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11; 2446.6; 23-JUN-2010 23:57:42; Bright; 34.5; 133; 40Zet Her ; 2.81; 6000;occ; 69; 0;43471
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15; 3834.2; 24-JUN-2010 00:20:50; Bright; 67.0; 74; 11Bet Cas ; 2.27; 6600;occ; 134; 0;43471
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13; 2830.4; 24-JUN-2010 01:44:42; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;43472
14; 3414.0; 24-JUN-2010 01:54:25; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;43472
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16; 3926.6; 24-JUN-2010 02:02:58; Bright; 46.5; 68; 18Alp Cas ; 2.22; 4500;occ; 93; 0;43472
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 4; 508.0; 24-JUN-2010 02:46:35; Dark ; 54.0; 31; Alp Gru ; 1.73; 15200;occ; 108; 0;43473
 5; 692.2; 24-JUN-2010 02:49:39; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43473
 6; 1244.6; 24-JUN-2010 02:58:52; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;43473
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11; 2446.5; 24-JUN-2010 03:18:54; Bright; 35.5; 133; 40Zet Her ; 2.81; 6000;occ; 71; 0;43473
12; 2710.0; 24-JUN-2010 03:23:17; Bright; 49.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 99; 0;43473
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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 4;-1765.9; 24-JUN-2010 03:49:17; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;43473
 5;-1619.5; 24-JUN-2010 03:51:44; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;43473
 6;-1387.1; 24-JUN-2010 03:55:36; Dark ; 55.0; 50; 13Alp Ari ; 2.01; 4250;occ; 110; 0;43473
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11; 509.0; 24-JUN-2010 04:27:12; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;43474
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13; 1245.2; 24-JUN-2010 04:39:28; Dark ; 44.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 88; 0;43474
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15; 1459.9; 24-JUN-2010 04:43:03; Bright; 51.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 102; 0;43474
16; 1988.1; 24-JUN-2010 04:51:51; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;43474
17; 2131.7; 24-JUN-2010 04:54:15; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;43474
18; 2446.6; 24-JUN-2010 04:59:30; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;43474
19; 2709.6; 24-JUN-2010 05:03:53; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;43474
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21; 3412.7; 24-JUN-2010 05:15:36; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;43474

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 13; 1245.7; 24-JUN-2010 06:20:05; Dark ; 47.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 94; 0;43475
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 15; 1460.1; 24-JUN-2010 06:23:39; Bright; 50.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 100; 0;43475
 16; 1987.9; 24-JUN-2010 06:32:27; Bright; 40.0; 126; 60Bet Oph ; 2.77; 4250;occ; 80; 0;43475
 17; 2131.6; 24-JUN-2010 06:34:51; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;43475
 18; 2446.4; 24-JUN-2010 06:40:06; Bright; 38.0; 133; 40Zet Her ; 2.81; 6000;occ; 76; 0;43475
 19; 2708.7; 24-JUN-2010 06:44:28; Bright; 49.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 99; 0;43475
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 13; 4417.3; 24-JUN-2010 20:37:44; Dark ; 31.0; 53; 43Bet And ; 2.05; 3300;occ; 62; 0;43483
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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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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
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17; 2130.0; 25-JUN-2010 04:22:36; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;43488
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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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 12; 701.3; 25-JUN-2010 05:39:23; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43489
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 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
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 10; 2128.1; 25-JUN-2010 22:49:10; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;43499
 11; 2693.2; 25-JUN-2010 22:58:35; Bright; 50.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 100; 0;43499
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7;-1086.9; 26-JUN-2010 02:57:22; Dark ; 45.0; 94; 92Alp Cet ; 2.53; 3100;occ; 90; 0;43501
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13; 3374.6; 28-JUN-2010 01:27:54; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;43529
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