

GOMOS Daily Report 08-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	11JUN2010 04:49:48
Data source version	GOMOS/5.00L04
Start time of products	08JUN2010 00:01:17
Stop time of products	08JUN2010 23:59:16
Store outputs in DB	Yes
Nb of level 1b prods	140
Nb of prods with errors	1

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

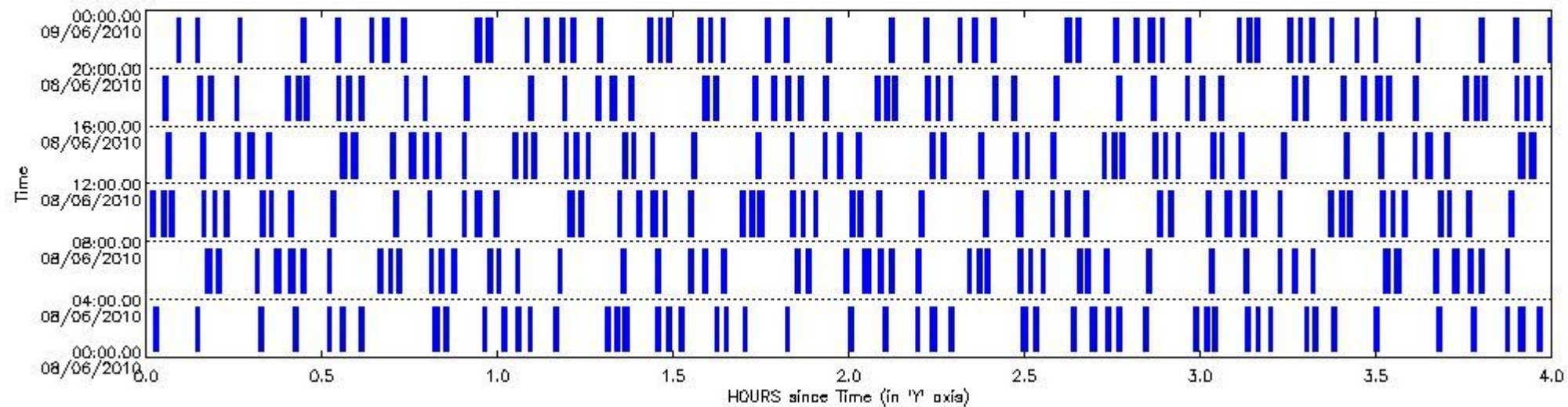
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

No missing products.

2.4 Summary of processed GOM_TRA_1P products

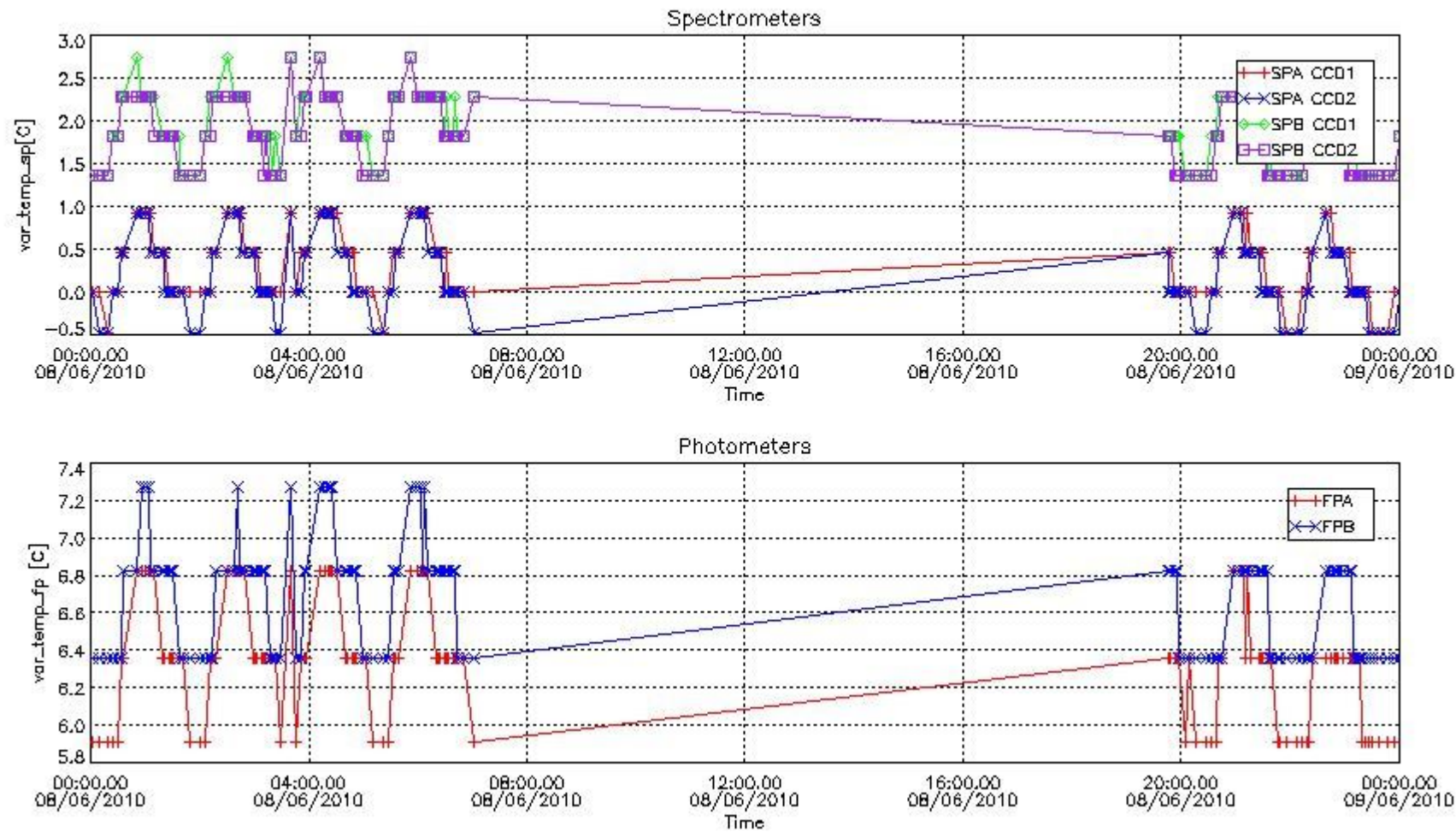
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100608_000117_000000402090_00102_43242_7303.N1	08-JUN-2010 00:01:17	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	43242	No
2	GOM_TRA_1PNPDE20100608_000829_000000392090_00102_43242_7304.N1	08-JUN-2010 00:08:29	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	43242	No
3	GOM_TRA_1PNPDE20100608_001917_000000472090_00102_43242_7305.N1	08-JUN-2010 00:19:17	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	43242	No
4	GOM_TRA_1PNPDE20100608_002506_000000532090_00102_43242_7306.N1	08-JUN-2010 00:25:06	Bright	53.000	76	27Gam Cas	2.3000	30000.	106	43242	No
5	GOM_TRA_1PNPDE20100608_003052_000000382090_00102_43242_7307.N1	08-JUN-2010 00:30:52	Bright	37.500	73	57Gam1And	2.2600	13100.	75	43242	No
6	GOM_TRA_1PNPDE20100608_003311_000000502090_00102_43242_7308.N1	08-JUN-2010 00:33:11	Bright	49.500	53	43Bet And	2.0480	3300.0	99	43242	No
7	GOM_TRA_1PNPDE20100608_003624_000000472090_00102_43242_7309.N1	08-JUN-2010 00:36:24	Twilight	46.500	50	13Alp Ari	2.0070	4250.0	93	43242	No
8	GOM_TRA_1PNPDE20100608_005047_000000502090_00102_43242_7327.N1	08-JUN-2010 00:50:47	Dark	50.000	52	16Bet Cet	2.0370	4500.0	100	43242	No
9	GOM_TRA_1PNPDE20100608_005721_000000412090_00102_43242_7328.N1	08-JUN-2010 00:57:21	Dark	41.000	84	Alp Phe	2.3970	4500.0	82	43242	No
10	GOM_TRA_1PNPDE20100608_010034_000000632090_00103_43243_7329.N1	08-JUN-2010 01:00:34	Dark	63.000	18	24Alp PsA	1.1660	9700.0	126	43243	No
11	GOM_TRA_1PNPDE20100608_010308_000000512090_00103_43243_7330.N1	08-JUN-2010 01:03:08	Dark	50.500	63	Bet Gru	2.1500	2800.0	101	43243	No
12	GOM_TRA_1PNPDE20100608_010507_000000482090_00103_43243_7331.N1	08-JUN-2010 01:05:07	Dark	47.500	31	Alp Gru	1.7340	15200.	95	43243	No

13	GOM_TRA_1PNPDE20100608_010938_000000432090_00103_43243_7332.N1	08-JUN-2010 01:09:38	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43243	No
14	GOM_TRA_1PNPDE20100608_011820_000000502090_00103_43243_7333.N1	08-JUN-2010 01:18:20	Straylight	50.000	40	The Sco	1.8590	7100.0	100	43243	No
15	GOM_TRA_1PNPDE20100608_012006_000000452090_00103_43243_7334.N1	08-JUN-2010 01:20:06	Twilight	45.000	25	35Lam Sco	1.6200	28000.	90	43243	No
16	GOM_TRA_1PNPDE20100608_012127_000000512090_00103_43243_7335.N1	08-JUN-2010 01:21:27	Twilight	51.000	167	10Gam2Sgr	2.9840	4500.0	102	43243	No
17	GOM_TRA_1PNPDE20100608_012705_000000442090_00103_43243_7336.N1	08-JUN-2010 01:27:05	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	43243	No
18	GOM_TRA_1PNPDE20100608_012852_000000422090_00103_43243_7337.N1	08-JUN-2010 01:28:52	Bright	42.000	98	13Zet Oph	2.5710	30000.	84	43243	No
19	GOM_TRA_1PNPDE20100608_013059_000000402090_00103_43243_7338.N1	08-JUN-2010 01:30:59	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	43243	No
20	GOM_TRA_1PNPDE20100608_013710_000000332090_00103_43243_7339.N1	08-JUN-2010 01:37:10	Twilight	33.000	59	55Alp Oph	2.0800	8900.0	66	43243	No
21	GOM_TRA_1PNPDE20100608_013838_000000392090_00103_43243_7340.N1	08-JUN-2010 01:38:38	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	43243	No
22	GOM_TRA_1PNPDE20100608_014152_000000432090_00103_43243_7341.N1	08-JUN-2010 01:41:52	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	43243	No
23	GOM_TRA_1PNPDE20100608_014904_000000392090_00103_43243_7342.N1	08-JUN-2010 01:49:04	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	43243	No
24	GOM_TRA_1PNPDE20100608_015952_000000452090_00103_43243_7343.N1	08-JUN-2010 01:59:52	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	43243	No
25	GOM_TRA_1PNPDE20100608_020541_000000572090_00103_43243_7344.N1	08-JUN-2010 02:05:41	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	43243	No
26	GOM_TRA_1PNPDE20100608_021128_000000382090_00103_43243_7345.N1	08-JUN-2010 02:11:28	Bright	37.500	73	57Gam1And	2.2600	13100.	75	43243	No
27	GOM_TRA_1PNPDE20100608_021347_000000602090_00103_43243_7346.N1	08-JUN-2010 02:13:47	Bright	59.500	53	43Bet And	2.0480	3300.0	119	43243	No
28	GOM_TRA_1PNPDE20100608_021701_000000462090_00103_43243_7347.N1	08-JUN-2010 02:17:01	Twilight	45.500	50	13Alp Ari	2.0070	4250.0	91	43243	No
29	GOM_TRA_1PNPDE20100608_023124_000000532090_00103_43243_7340.N1	08-JUN-2010 02:31:24	Dark	53.000	52	16Bet Cet	2.0370	4500.0	106	43243	No
30	GOM_TRA_1PNPDE20100608_023757_000000462090_00103_43243_7341.N1	08-JUN-2010 02:37:57	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	43243	No
31	GOM_TRA_1PNPDE20100608_024112_000000562090_00104_43244_7342.N1	08-JUN-2010 02:41:12	Dark	56.000	18	24Alp PsA	1.1660	9700.0	112	43244	No
32	GOM_TRA_1PNPDE20100608_024345_000000502090_00104_43244_7343.N1	08-JUN-2010 02:43:45	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	43244	No
33	GOM_TRA_1PNPDE20100608_024544_000000502090_00104_43244_7344.N1	08-JUN-2010 02:45:44	Dark	49.500	31	Alp Gru	1.7340	15200.	99	43244	No
34	GOM_TRA_1PNPDE20100608_025014_000000432090_00104_43244_7345.N1	08-JUN-2010 02:50:14	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43244	No
35	GOM_TRA_1PNPDE20100608_025857_000000472090_00104_43244_7346.N1	08-JUN-2010 02:58:57	Straylight	47.000	40	The Sco	1.8590	7100.0	94	43244	No
36	GOM_TRA_1PNPDE20100608_030042_000000472090_00104_43244_7347.N1	08-JUN-2010 03:00:42	Twilight	47.000	25	35Lam Sco	1.6200	28000.	94	43244	No
37	GOM_TRA_1PNPDE20100608_030203_000000542090_00104_43244_7348.N1	08-JUN-2010 03:02:03	Twilight	54.000	167	10Gam2Sgr	2.9840	4500.0	108	43244	No
38	GOM_TRA_1PNPDE20100608_030741_000000442090_00104_43244_7349.N1	08-JUN-2010 03:07:41	Bright	44.000	86	35Eta Oph	2.4300	10200.	88	43244	No
39	GOM_TRA_1PNPDE20100608_030928_000000402090_00104_43244_7350.N1	08-JUN-2010 03:09:28	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	43244	No
40	GOM_TRA_1PNPDE20100608_031136_000000382090_00104_43244_7351.N1	08-JUN-2010 03:11:36	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	43244	No
41	GOM_TRA_1PNPDE20100608_031746_000000402090_00104_43244_7352.N1	08-JUN-2010 03:17:46	Bright	40.000	59	55Alp Oph	2.0800	8900.0	80	43244	No
42	GOM_TRA_1PNPDE20100608_031914_000000402090_00104_43244_7353.N1	08-JUN-2010 03:19:14	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	43244	No
43	GOM_TRA_1PNPDE20100608_032228_000000432090_00104_43244_7354.N1	08-JUN-2010 03:22:28	Bright	43.000	133	40Zet Her	2.8070	6000.0	86	43244	No
44	GOM_TRA_1PNPDE20100608_032940_000000442090_00104_43244_7355.N1	08-JUN-2010 03:29:40	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	43244	No
45	GOM_TRA_1PNPDE20100608_034027_000000492090_00104_43244_7369.N1	08-JUN-2010 03:40:27	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	43244	Yes
46	GOM_TRA_1PNPDE20100608_034617_000000402090_00104_43244_7370.N1	08-JUN-2010 03:46:17	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	43244	No
47	GOM_TRA_1PNPDE20100608_035204_000000382090_00104_43244_7371.N1	08-JUN-2010 03:52:04	Bright	37.500	73	57Gam1And	2.2600	13100.	75	43244	No
48	GOM_TRA_1PNPDE20100608_035423_000000602090_00104_43244_7372.N1	08-JUN-2010 03:54:23	Bright	60.000	53	43Bet And	2.0480	3300.0	120	43244	No
49	GOM_TRA_1PNPDE20100608_035737_000000452090_00104_43244_7373.N1	08-JUN-2010 03:57:37	Twilight	45.000	50	13Alp Ari	2.0070	4250.0	90	43244	No
50	GOM_TRA_1PNPDE20100608_041201_000000512090_00104_43244_7374.N1	08-JUN-2010 04:12:01	Dark	50.500	52	16Bet Cet	2.0370	4500.0	101	43244	No
51	GOM_TRA_1PNPDE20100608_041834_000000442090_00104_43244_7375.N1	08-JUN-2010 04:18:34	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	43244	No
52	GOM_TRA_1PNPDE20100608_042149_000000612090_00105_43245_7376.N1	08-JUN-2010 04:21:49	Dark	60.500	18	24Alp PsA	1.1660	9700.0	121	43245	No
53	GOM_TRA_1PNPDE20100608_042421_000000592090_00105_43245_7377.N1	08-JUN-2010 04:24:21	Dark	58.500	63	Bet Gru	2.1500	2800.0	117	43245	No
54	GOM_TRA_1PNPDE20100608_042621_000000482090_00105_43245_7378.N1	08-JUN-2010 04:26:21	Dark	48.000	31	Alp Gru	1.7340	15200.	96	43245	No
55	GOM_TRA_1PNPDE20100608_043051_000000422090_00105_43245_7379.N1	08-JUN-2010 04:30:51	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43245	No
56	GOM_TRA_1PNPDE20100608_043933_000000442090_00105_43245_7380.N1	08-JUN-2010 04:39:33	Straylight	43.500	40	The Sco	1.8590	7100.0	87	43245	No
57	GOM_TRA_1PNPDE20100608_044119_000000452090_00105_43245_7381.N1	08-JUN-2010 04:41:19	Twilight	45.000	25	35Lam Sco	1.6200	28000.	90	43245	No
58	GOM_TRA_1PNPDE20100608_044239_000000512090_00105_43245_7382.N1	08-JUN-2010 04:42:39	Twilight	51.000	167	10Gam2Sgr	2.9840	4500.0	102	43245	No
59	GOM_TRA_1PNPDE20100608_044817_000000432090_00105_43245_7383.N1	08-JUN-2010 04:48:17	Bright	42.500	86	35Eta Oph	2.4300	10200.	85	43245	No
60	GOM_TRA_1PNPDE20100608_045004_000000402090_00105_43245_7384.N1	08-JUN-2010 04:50:04	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	43245	No
61	GOM_TRA_1PNPDE20100608_045212_000000382090_00105_43245_7385.N1	08-JUN-2010 04:52:12	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	43245	No
62	GOM_TRA_1PNPDE20100608_045821_000000402090_00105_43245_7386.N1	08-JUN-2010 04:58:21	Bright	40.000	59	55Alp Oph	2.0800	8900.0	80	43245	No
63	GOM_TRA_1PNPDE20100608_045950_000000402090_00105_43245_7387.N1	08-JUN-2010 04:59:50	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	43245	No
64	GOM_TRA_1PNPDE20100608_050303_000000392090_00105_43245_7388.N1	08-JUN-2010 05:03:03	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	43245	No
65	GOM_TRA_1PNPDE20100608_051015_000000442090_00105_43245_7389.N1	08-JUN-2010 05:10:15	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	43245	No
66	GOM_TRA_1PNPDE20100608_052103_000000482090_00105_43245_7390.N1	08-JUN-2010 05:21:03	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43245	No
67	GOM_TRA_1PNPDE20100608_052653_000000472090_00105_43245_7404.N1	08-JUN-2010 05:26:53	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	43245	No
68	GOM_TRA_1PNPDE20100608_053240_000000382090_00105_43245_7405.N1	08-JUN-2010 05:32:40	Bright	38.000	73	57Gam1And	2.2600	13100.	76	43245	No
69	GOM_TRA_1PNPDE20100608_053459_000000502090_00105_43245_7406.N1	08-JUN-2010 05:34:59	Bright	49.500	53	43Bet And	2.0480	3300.0	99	43245	No
70	GOM_TRA_1PNPDE20100608_053813_000000512090_00105_43245_7407.N1	08-JUN-2010 05:38:13	Twilight	51.000	50	13Alp Ari	2.0070	4250.0	102	43245	No
71	GOM_TRA_1PNPDE20100608_055237_000000562090_00105_43245_7408.N1	08-JUN-2010 05:52:37	Dark	56.000	52	16Bet Cet	2.0370	4500.0	112	43245	No

72	GOM_TRA_1PNPDE20100608_055911_000000442090_00105_43245_7409.N1	08-JUN-2010 05:59:11	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	43245	No
73	GOM_TRA_1PNPDE20100608_060226_000000662090_00106_43246_7410.N1	08-JUN-2010 06:02:26	Dark	65.500	18	24Alp PsA	1.1660	9700.0	131	43246	No
74	GOM_TRA_1PNPDE20100608_060458_000000462090_00106_43246_7411.N1	08-JUN-2010 06:04:58	Dark	46.000	63	Bet Gru	2.1500	2800.0	92	43246	No
75	GOM_TRA_1PNPDE20100608_060658_000000482090_00106_43246_7412.N1	08-JUN-2010 06:06:58	Dark	47.500	31	Alp Gru	1.7340	15200.	95	43246	No
76	GOM_TRA_1PNPDE20100608_061128_000000432090_00106_43246_7413.N1	08-JUN-2010 06:11:28	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43246	No
77	GOM_TRA_1PNPDE20100608_062010_000000452090_00106_43246_7414.N1	08-JUN-2010 06:20:10	Straylight	45.000	40	The Sco	1.8590	7100.0	90	43246	No
78	GOM_TRA_1PNPDE20100608_062155_000000472090_00106_43246_7415.N1	08-JUN-2010 06:21:55	Twilight_and_stray	47.000	25	35Lam Sco	1.6200	28000.	94	43246	No
79	GOM_TRA_1PNPDE20100608_062315_000000512090_00106_43246_7416.N1	08-JUN-2010 06:23:15	Twilight_and_stray	51.000	167	10Gam2Sgr	2.9840	4500.0	102	43246	No
80	GOM_TRA_1PNPDE20100608_062853_000000432090_00106_43246_7417.N1	08-JUN-2010 06:28:53	Bright	43.000	86	35Eta Oph	2.4300	10200.	86	43246	No
81	GOM_TRA_1PNPDE20100608_063040_000000402090_00106_43246_7418.N1	08-JUN-2010 06:30:40	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	43246	No
82	GOM_TRA_1PNPDE20100608_063247_000000382090_00106_43246_7419.N1	08-JUN-2010 06:32:47	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	43246	No
83	GOM_TRA_1PNPDE20100608_063856_000000472090_00106_43246_7420.N1	08-JUN-2010 06:38:56	Bright	47.000	59	55Alp Oph	2.0800	8900.0	94	43246	No
84	GOM_TRA_1PNPDE20100608_064026_000000412090_00106_43246_7421.N1	08-JUN-2010 06:40:26	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	43246	No
85	GOM_TRA_1PNPDE20100608_064339_000000432090_00106_43246_7422.N1	08-JUN-2010 06:43:39	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	43246	No
86	GOM_TRA_1PNPDE20100608_065051_000000442090_00106_43246_7423.N1	08-JUN-2010 06:50:51	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	43246	No
87	GOM_TRA_1PNPDE20100608_070138_000000492090_00106_43246_7424.N1	08-JUN-2010 07:01:38	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43246	No
88	GOM_TRA_1PNPDE20100608_194500_000000452090_00114_43254_7666.N1	08-JUN-2010 19:45:00	Straylight	44.500	40	The Sco	1.8590	7100.0	89	43254	No
89	GOM_TRA_1PNPDE20100608_194645_000000472090_00114_43254_7667.N1	08-JUN-2010 19:46:45	Twilight_and_stray	46.500	25	35Lam Sco	1.6200	28000.	93	43254	No
90	GOM_TRA_1PNPDE20100608_194806_000000522090_00114_43254_7668.N1	08-JUN-2010 19:48:06	Twilight_and_stray	52.000	167	10Gam2Sgr	2.9840	4500.0	104	43254	No
91	GOM_TRA_1PNPDE20100608_195342_000000432090_00114_43254_7669.N1	08-JUN-2010 19:53:42	Bright	42.500	86	35Eta Oph	2.4300	10200.	85	43254	No
92	GOM_TRA_1PNPDE20100608_195528_000000402090_00114_43254_7670.N1	08-JUN-2010 19:55:28	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	43254	No
93	GOM_TRA_1PNPDE20100608_195735_000000382090_00114_43254_7671.N1	08-JUN-2010 19:57:35	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	43254	No
94	GOM_TRA_1PNPDE20100608_200511_000000382090_00114_43254_7672.N1	08-JUN-2010 20:05:11	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	43254	No
95	GOM_TRA_1PNPDE20100608_200824_000000412090_00114_43254_7673.N1	08-JUN-2010 20:08:24	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	43254	No
96	GOM_TRA_1PNPDE20100608_201534_000000452090_00114_43254_7674.N1	08-JUN-2010 20:15:34	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	43254	No
97	GOM_TRA_1PNPDE20100608_202621_000000482090_00114_43254_7675.N1	08-JUN-2010 20:26:21	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43254	No
98	GOM_TRA_1PNPDE20100608_203215_000000462090_00114_43254_7676.N1	08-JUN-2010 20:32:15	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	43254	No
99	GOM_TRA_1PNPDE20100608_203804_000000382090_00114_43254_7677.N1	08-JUN-2010 20:38:04	Bright	38.000	73	57Gam1And	2.2600	13100.	76	43254	No
100	GOM_TRA_1PNPDE20100608_204023_000000602090_00114_43254_7678.N1	08-JUN-2010 20:40:23	Bright	59.500	53	43Bet And	2.0480	3300.0	119	43254	No
101	GOM_TRA_1PNPDE20100608_204338_000000502090_00114_43254_7679.N1	08-JUN-2010 20:43:38	Twilight	49.500	50	13Alp Ari	2.0070	4250.0	99	43254	No
102	GOM_TRA_1PNPDE20100608_205808_000000502090_00114_43254_7660.N1	08-JUN-2010 20:58:08	Dark	50.000	52	16Bet Cet	2.0370	4500.0	100	43254	No
103	GOM_TRA_1PNPDE20100608_210440_000000422090_00114_43254_7661.N1	08-JUN-2010 21:04:40	Dark	41.500	84	Alp Phe	2.3970	4500.0	83	43254	No
104	GOM_TRA_1PNPDE20100608_210803_000000462090_00115_43255_7662.N1	08-JUN-2010 21:08:03	Dark	46.000	18	24Alp PsA	1.1660	9700.0	92	43255	No
105	GOM_TRA_1PNPDE20100608_211030_000000512090_00115_43255_7663.N1	08-JUN-2010 21:10:30	Dark	51.000	63	Bet Gru	2.1500	2800.0	102	43255	No
106	GOM_TRA_1PNPDE20100608_211230_000000462090_00115_43255_7664.N1	08-JUN-2010 21:12:30	Dark	45.500	31	Alp Gru	1.7340	15200.	91	43255	No
107	GOM_TRA_1PNPDE20100608_211657_000000492090_00115_43255_7665.N1	08-JUN-2010 21:16:57	Straylight	49.000	45	Alp Pav	1.9400	26000.	98	43255	No
108	GOM_TRA_1PNPDE20100608_212536_000000522090_00115_43255_7666.N1	08-JUN-2010 21:25:36	Straylight	51.500	40	The Sco	1.8590	7100.0	103	43255	No
109	GOM_TRA_1PNPDE20100608_212721_000000452090_00115_43255_7667.N1	08-JUN-2010 21:27:21	Twilight_and_stray	45.000	25	35Lam Sco	1.6200	28000.	90	43255	No
110	GOM_TRA_1PNPDE20100608_212842_000000522090_00115_43255_7668.N1	08-JUN-2010 21:28:42	Twilight_and_stray	52.000	167	10Gam2Sgr	2.9840	4500.0	104	43255	No
111	GOM_TRA_1PNPDE20100608_213417_000000442090_00115_43255_7669.N1	08-JUN-2010 21:34:17	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	43255	No
112	GOM_TRA_1PNPDE20100608_213604_000000392090_00115_43255_7670.N1	08-JUN-2010 21:36:04	Bright	39.000	98	13Zet Oph	2.5710	30000.	78	43255	No
113	GOM_TRA_1PNPDE20100608_213811_000000392090_00115_43255_7671.N1	08-JUN-2010 21:38:11	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	43255	No
114	GOM_TRA_1PNPDE20100608_214547_000000392090_00115_43255_7672.N1	08-JUN-2010 21:45:47	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	43255	No
115	GOM_TRA_1PNPDE20100608_214900_000000402090_00115_43255_7673.N1	08-JUN-2010 21:49:00	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	43255	No
116	GOM_TRA_1PNPDE20100608_215609_000000422090_00115_43255_7674.N1	08-JUN-2010 21:56:09	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	43255	No
117	GOM_TRA_1PNPDE20100608_220656_000000472090_00115_43255_7675.N1	08-JUN-2010 22:06:56	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	43255	No
118	GOM_TRA_1PNPDE20100608_221251_000000392090_00115_43255_7676.N1	08-JUN-2010 22:12:51	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	43255	No
119	GOM_TRA_1PNPDE20100608_221840_000000392090_00115_43255_7677.N1	08-JUN-2010 22:18:40	Bright	38.500	73	57Gam1And	2.2600	13100.	77	43255	No
120	GOM_TRA_1PNPDE20100608_222059_000000582090_00115_43255_7678.N1	08-JUN-2010 22:20:59	Bright	58.000	53	43Bet And	2.0480	3300.0	116	43255	No
121	GOM_TRA_1PNPDE20100608_222414_000000442090_00115_43255_7679.N1	08-JUN-2010 22:24:14	Twilight	44.000	50	13Alp Ari	2.0070	4250.0	88	43255	No
122	GOM_TRA_1PNPDE20100608_223845_000000512090_00115_43255_7565.N1	08-JUN-2010 22:38:45	Dark	50.500	52	16Bet Cet	2.0370	4500.0	101	43255	No
123	GOM_TRA_1PNPDE20100608_224516_000000422090_00115_43255_7566.N1	08-JUN-2010 22:45:16	Dark	41.500	84	Alp Phe	2.3970	4500.0	83	43255	No
124	GOM_TRA_1PNPDE20100608_224841_000000462090_00116_43256_7567.N1	08-JUN-2010 22:48:41	Dark	46.000	18	24Alp PsA	1.1660	9700.0	92	43256	No
125	GOM_TRA_1PNPDE20100608_225107_000000612090_00116_43256_7568.N1	08-JUN-2010 22:51:07	Dark	60.500	63	Bet Gru	2.1500	2800.0	121	43256	No
126	GOM_TRA_1PNPDE20100608_225307_000000462090_00116_43256_7569.N1	08-JUN-2010 22:53:07	Dark	46.000	31	Alp Gru	1.7340	15200.	92	43256	No
127	GOM_TRA_1PNPDE20100608_225733_000000422090_00116_43256_7570.N1	08-JUN-2010 22:57:33	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43256	No
128	GOM_TRA_1PNPDE20100608_230612_000000462090_00116_43256_7571.N1	08-JUN-2010 23:06:12	Straylight	45.500	40	The Sco	1.8590	7100.0	91	43256	No
129	GOM_TRA_1PNPDE20100608_230757_000000482090_00116_43256_7572.N1	08-JUN-2010 23:07:57	Twilight_and_stray	47.500	25	35Lam Sco	1.6200	28000.	95	43256	No
130	GOM_TRA_1PNPDE20100608_230918_000000522090_00116_43256_7573.N1	08-JUN-2010 23:09:18	Twilight_and_stray	51.500	167	10Gam2Sgr	2.9840	4500.0	103	43256	No

131	GOM_TRA_1PNPDE20100608_231453_000000432090_00116_43256_7574.N1	08-JUN-2010 23:14:53	Bright	42.500	86	35Eta Oph	2.4300	10200.	85	43256	No
132	GOM_TRA_1PNPDE20100608_231640_000000402090_00116_43256_7575.N1	08-JUN-2010 23:16:40	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	43256	No
133	GOM_TRA_1PNPDE20100608_231847_000000402090_00116_43256_7576.N1	08-JUN-2010 23:18:47	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	43256	No
134	GOM_TRA_1PNPDE20100608_232211_000000252090_00116_43256_7577.N1	08-JUN-2010 23:22:11	Twilight_stray	25.000	126	60Bet Oph	2.7700	4250.0	50	43256	No
135	GOM_TRA_1PNPDE20100608_232623_000000412090_00116_43256_7578.N1	08-JUN-2010 23:26:23	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	43256	No
136	GOM_TRA_1PNPDE20100608_232935_000000402090_00116_43256_7579.N1	08-JUN-2010 23:29:35	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	43256	No
137	GOM_TRA_1PNPDE20100608_233645_000000412090_00116_43256_7580.N1	08-JUN-2010 23:36:45	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	43256	No
138	GOM_TRA_1PNPDE20100608_234731_000000482090_00116_43256_7581.N1	08-JUN-2010 23:47:31	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43256	No
139	GOM_TRA_1PNPDE20100608_235326_000000572090_00116_43256_7582.N1	08-JUN-2010 23:53:26	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	43256	No
140	GOM_TRA_1PNPDE20100608_235916_000000382090_00116_43256_7583.N1	08-JUN-2010 23:59:16	Bright	38.000	73	57Gam1And	2.2600	13100.	76	43256	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).

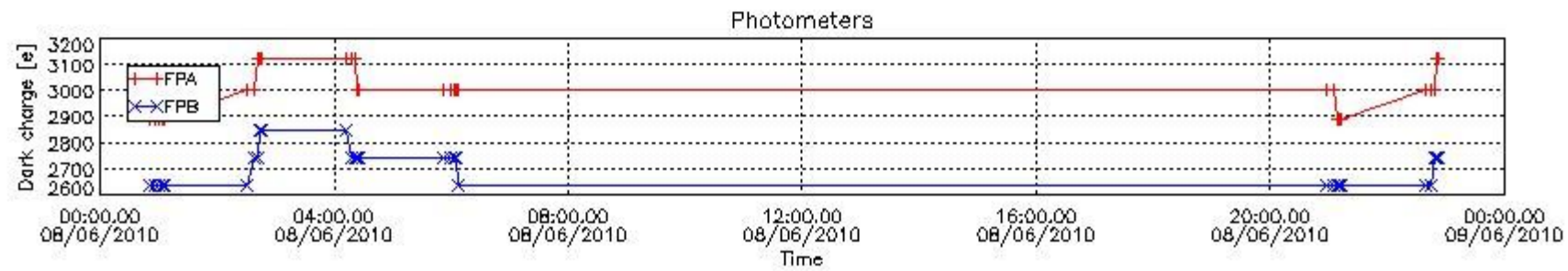
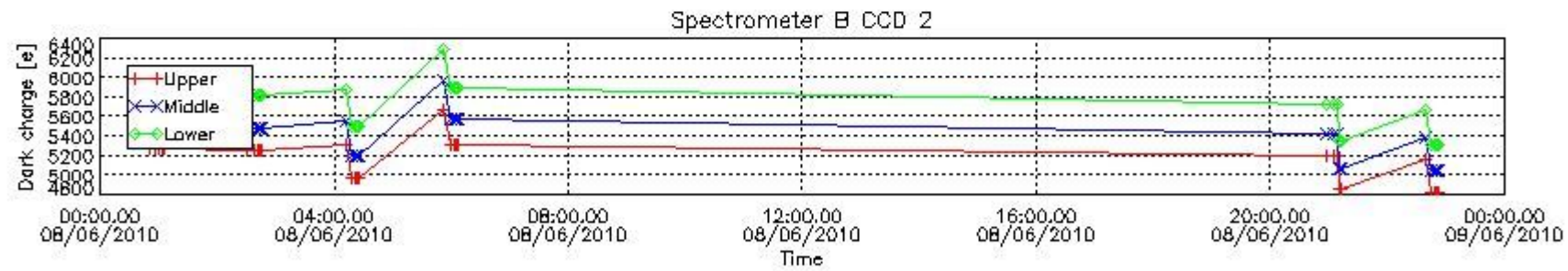
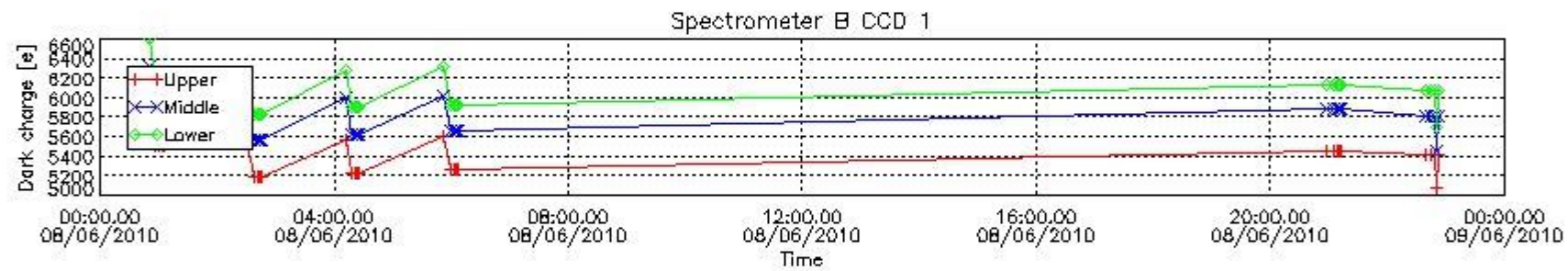
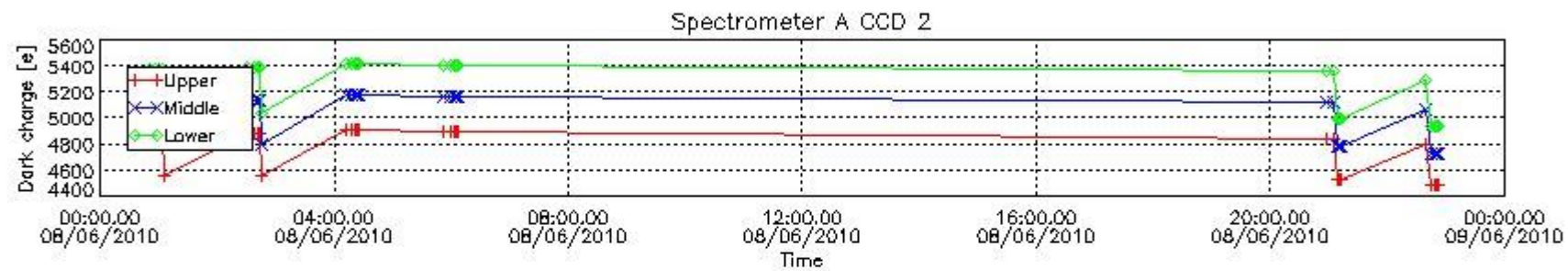
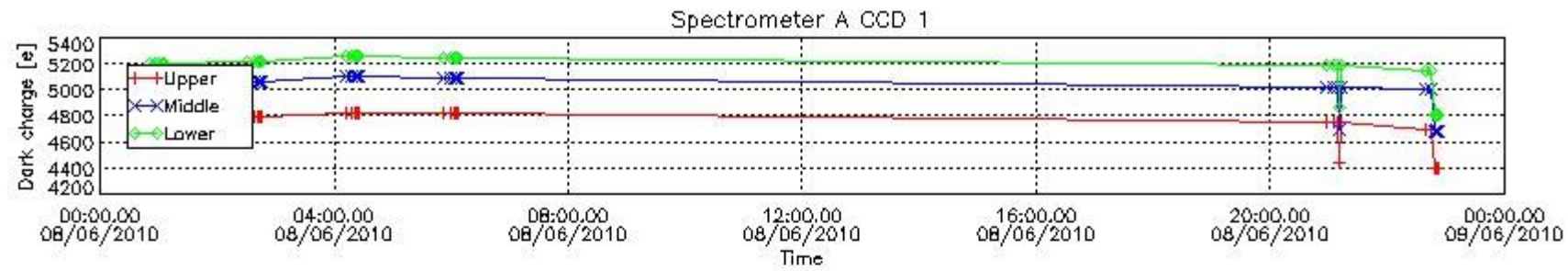
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
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GOM_TRA_1PNPDE20100608_194500_000000452090_00114_43254_7666.N1	DC map used
GOM_TRA_1PNPDE20100608_194645_000000472090_00114_43254_7667.N1	DC map used
GOM_TRA_1PNPDE20100608_194806_000000522090_00114_43254_7668.N1	DC map used
GOM_TRA_1PNPDE20100608_195342_000000432090_00114_43254_7669.N1	DC map used
GOM_TRA_1PNPDE20100608_195528_000000402090_00114_43254_7670.N1	DC map used
GOM_TRA_1PNPDE20100608_195735_000000382090_00114_43254_7671.N1	DC map used
GOM_TRA_1PNPDE20100608_200511_000000382090_00114_43254_7672.N1	DC map used
GOM_TRA_1PNPDE20100608_200824_000000412090_00114_43254_7673.N1	DC map used
GOM_TRA_1PNPDE20100608_201534_000000452090_00114_43254_7674.N1	DC map used
GOM_TRA_1PNPDE20100608_202621_000000482090_00114_43254_7675.N1	DC map used
GOM_TRA_1PNPDE20100608_203215_000000462090_00114_43254_7676.N1	DC map used
GOM_TRA_1PNPDE20100608_203804_000000382090_00114_43254_7677.N1	DC map used
GOM_TRA_1PNPDE20100608_204023_000000602090_00114_43254_7678.N1	DC map used
GOM_TRA_1PNPDE20100608_204338_000000502090_00114_43254_7679.N1	DC map used

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



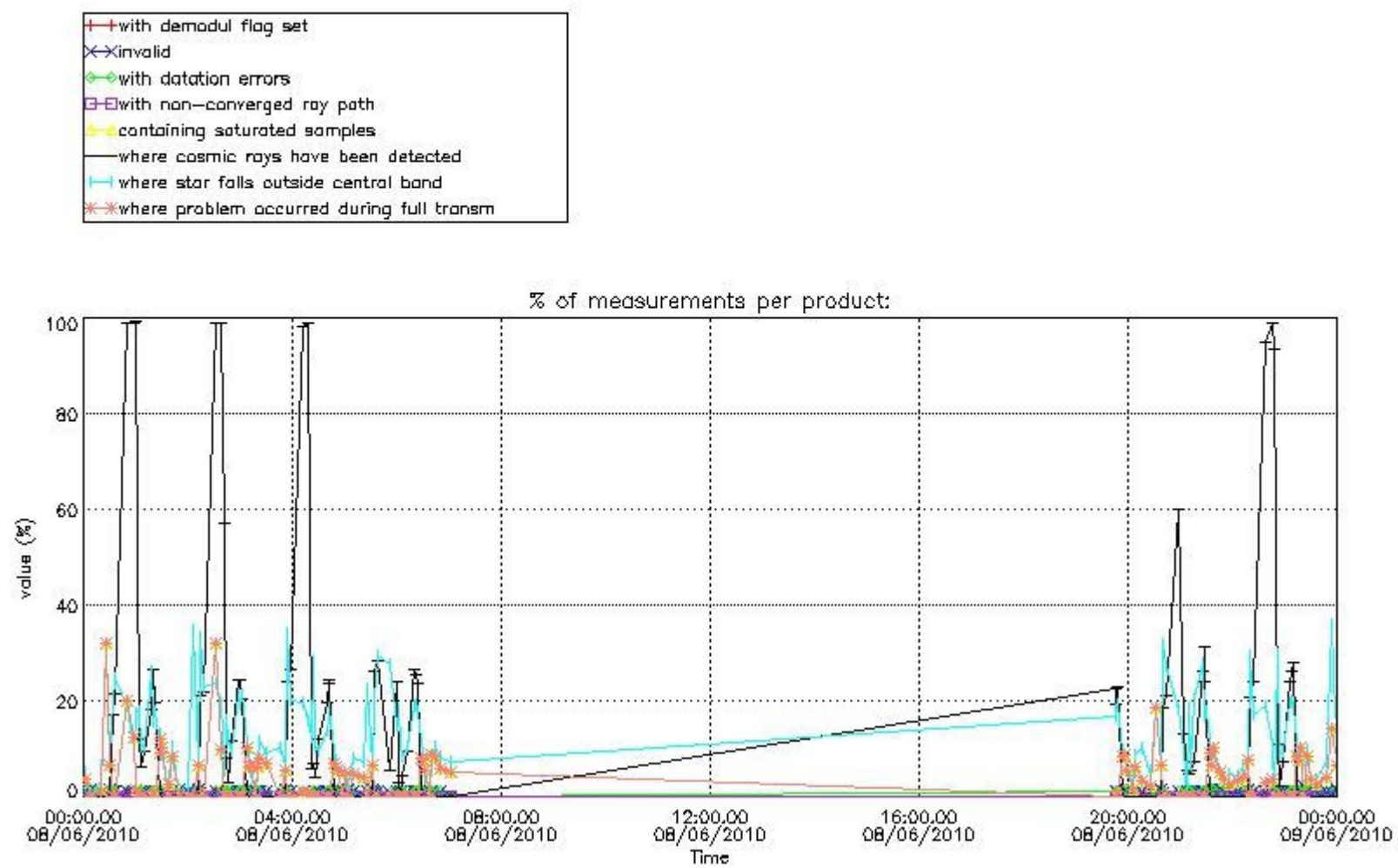
5. Demodulation flag and quality information monitoring

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.

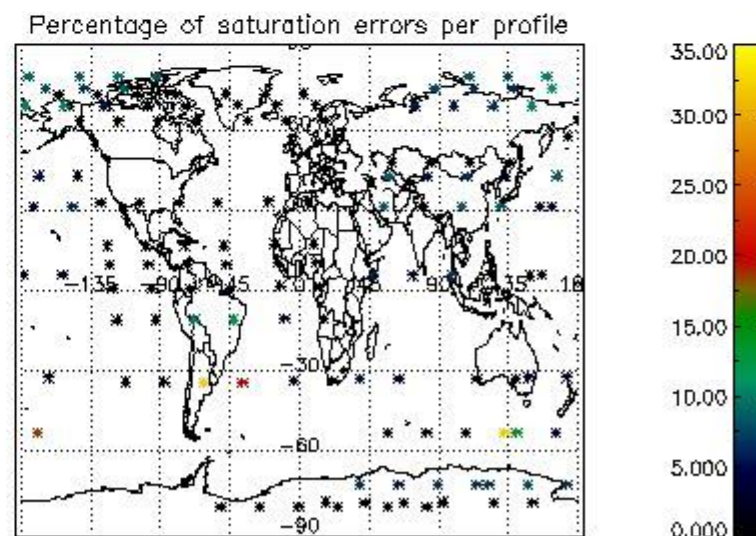
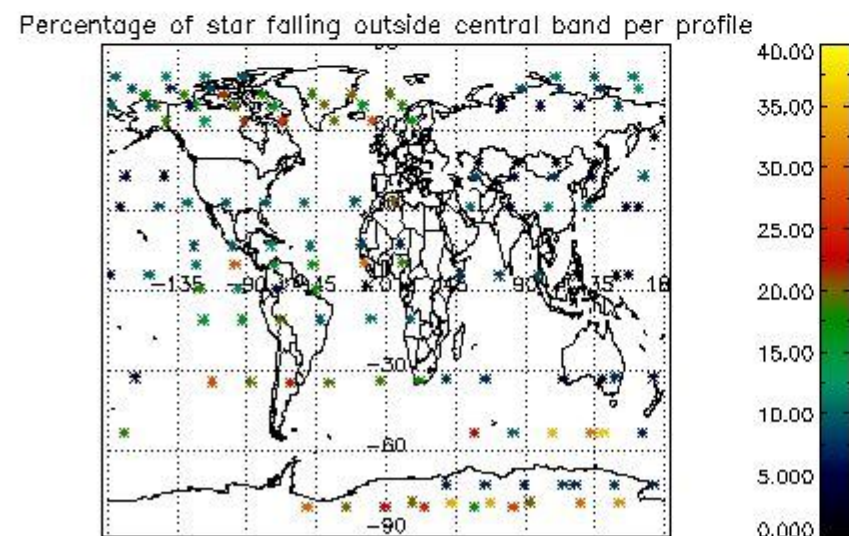
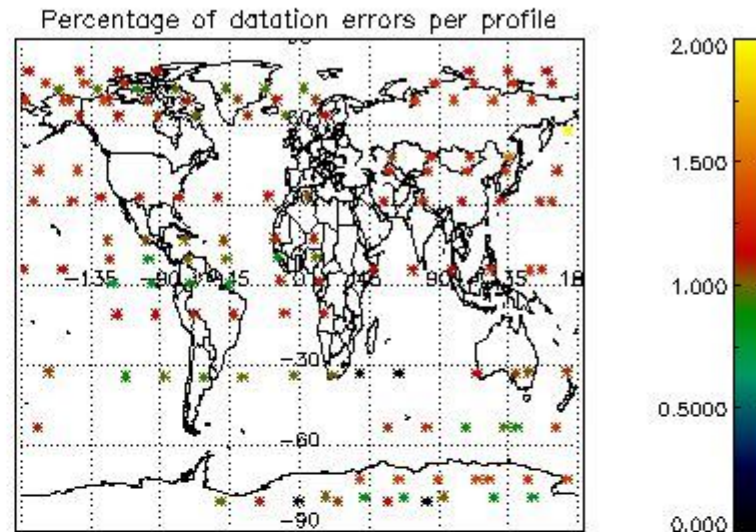
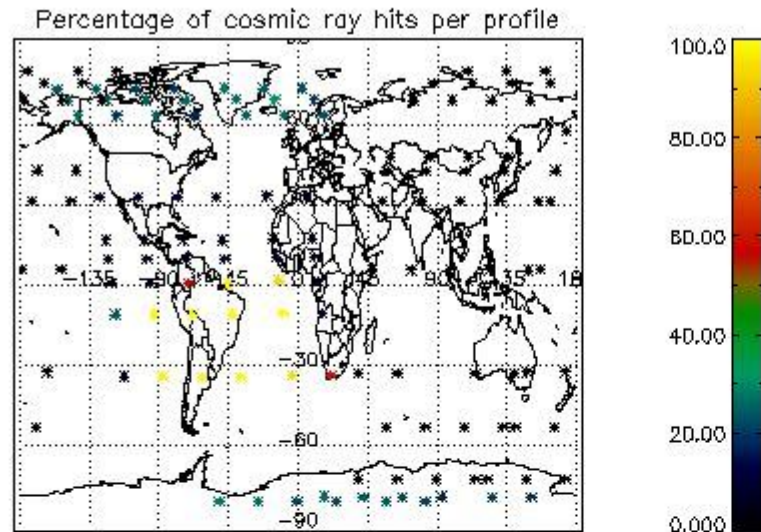
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	41.7266 %
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)



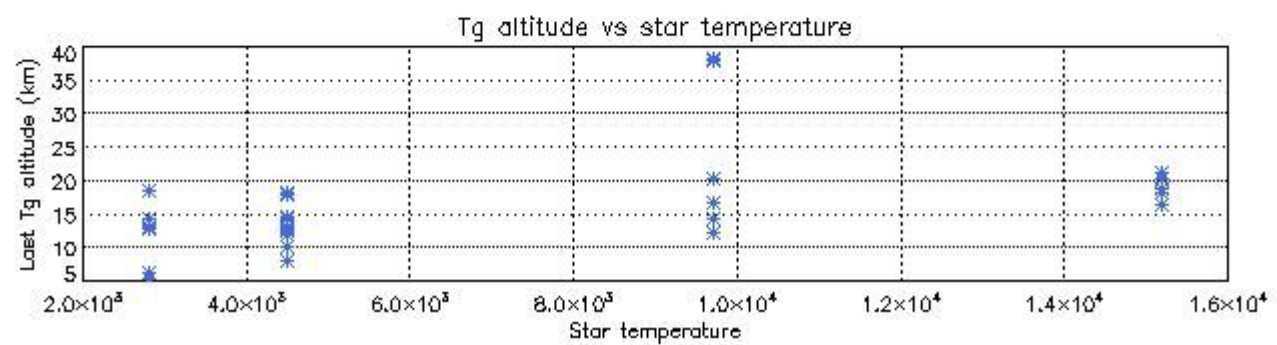
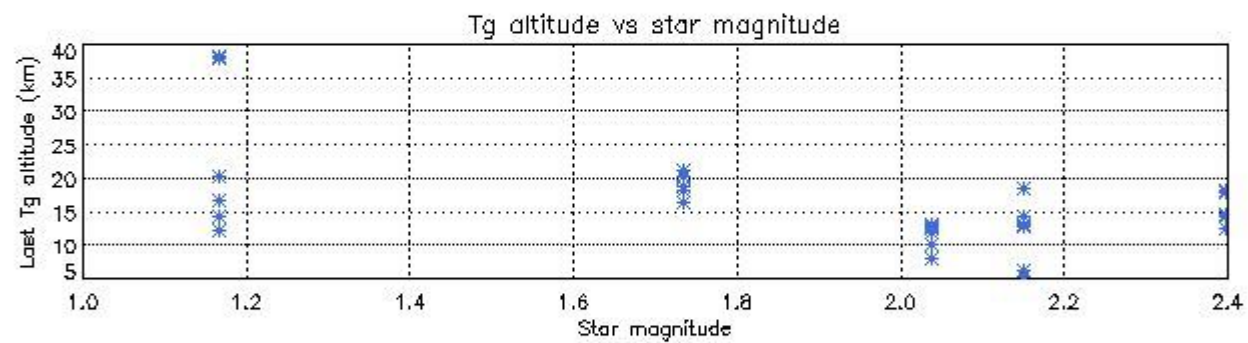
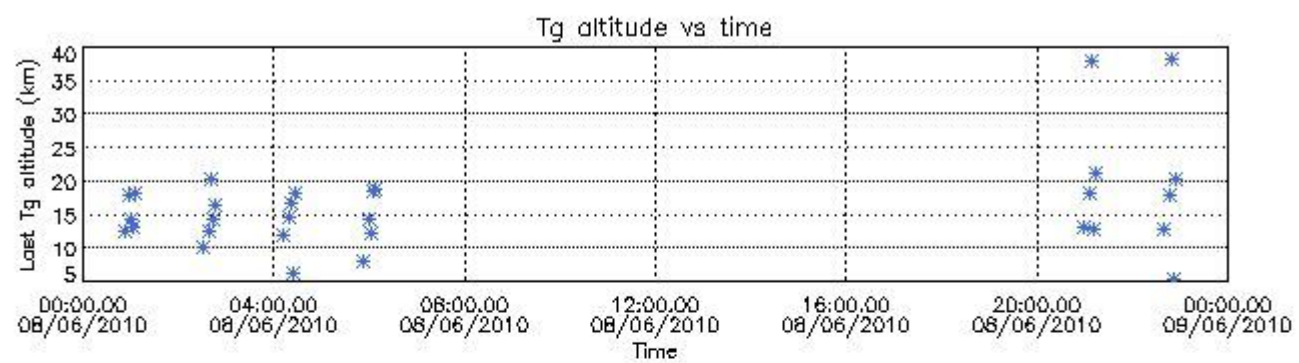
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.226	19.008	9.6453
St. deviation:	7.1526	6.3478	2.1083
Maximum:	38.350	39.597	12.292
Minimum:	5.4485	3.9031	6.4922
Number of data:	30.000	74.000	6.0000

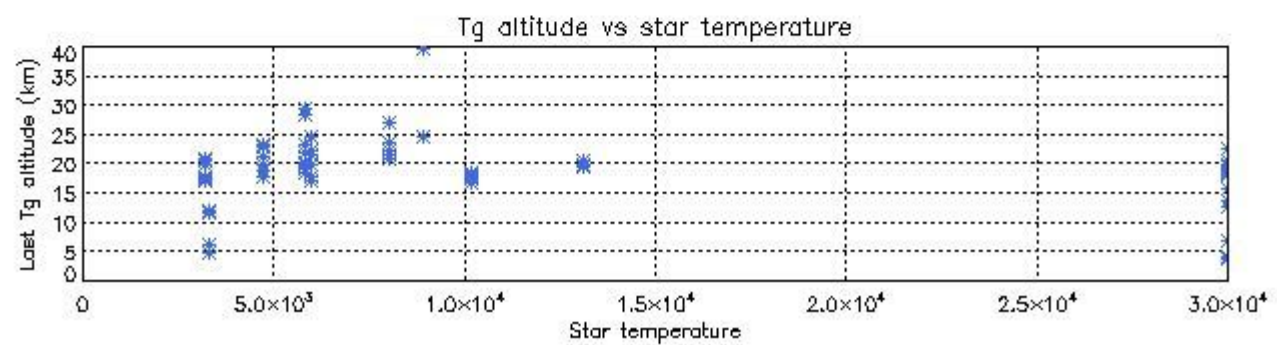
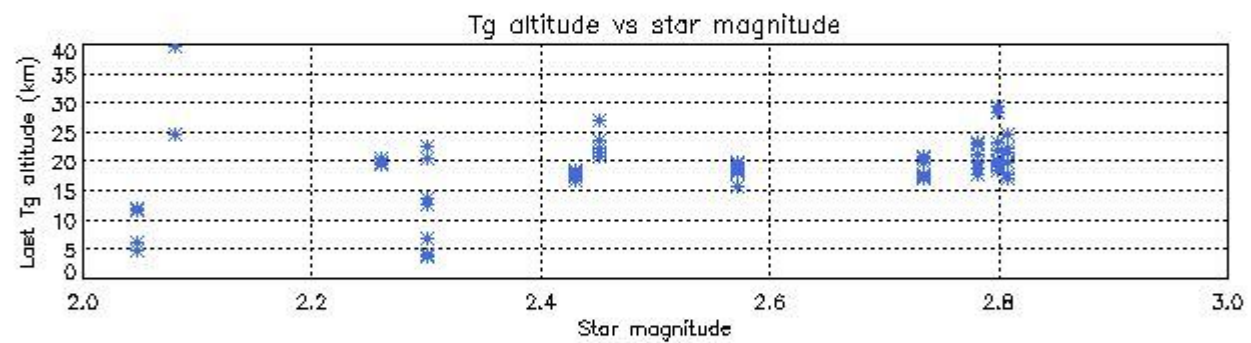
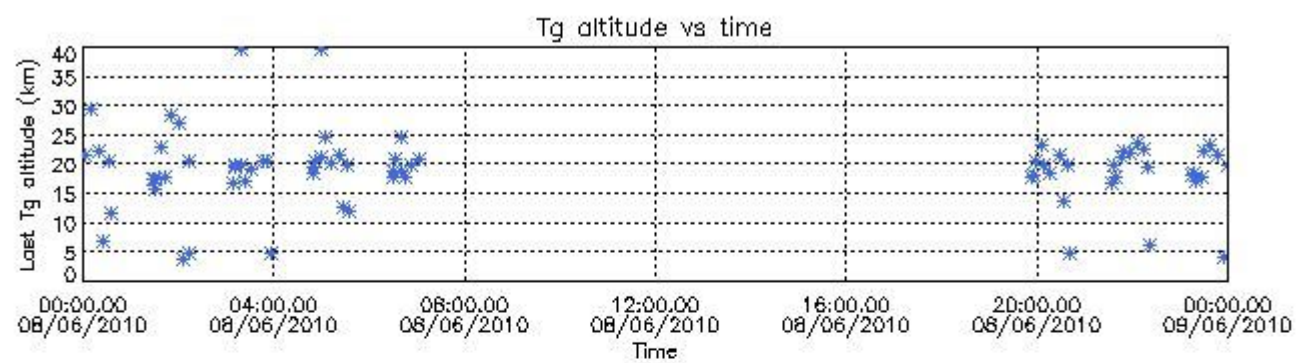
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



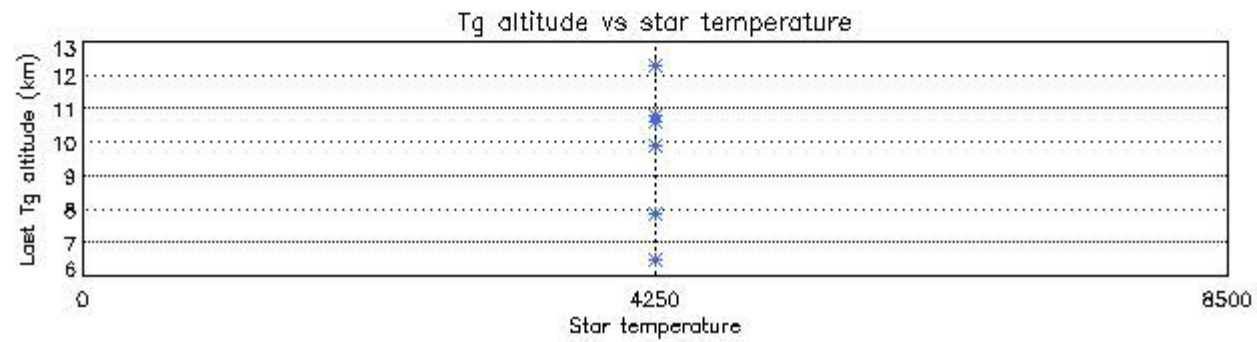
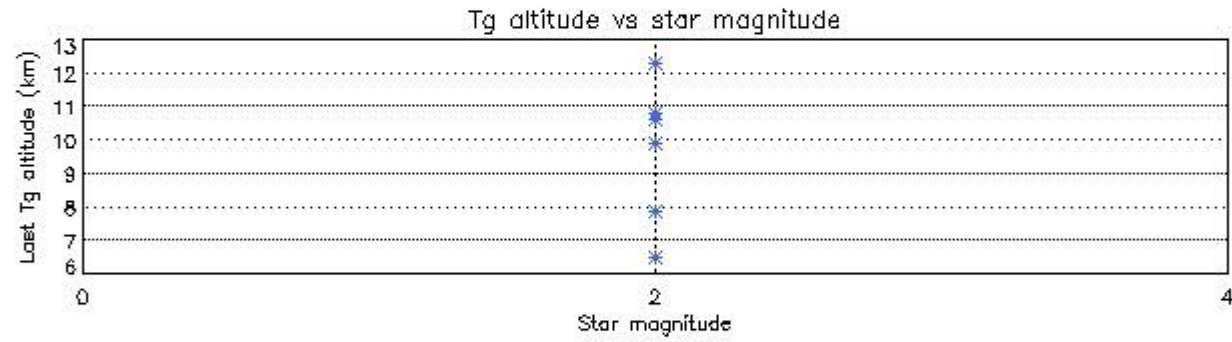
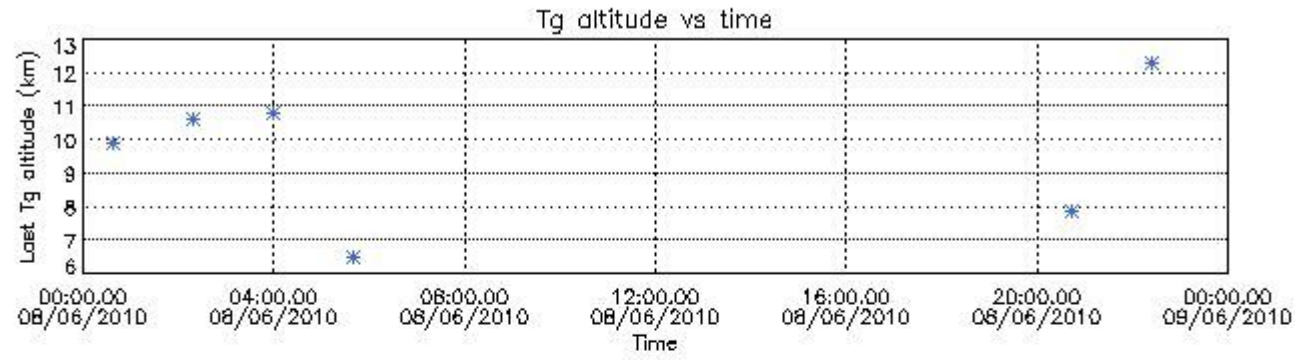
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

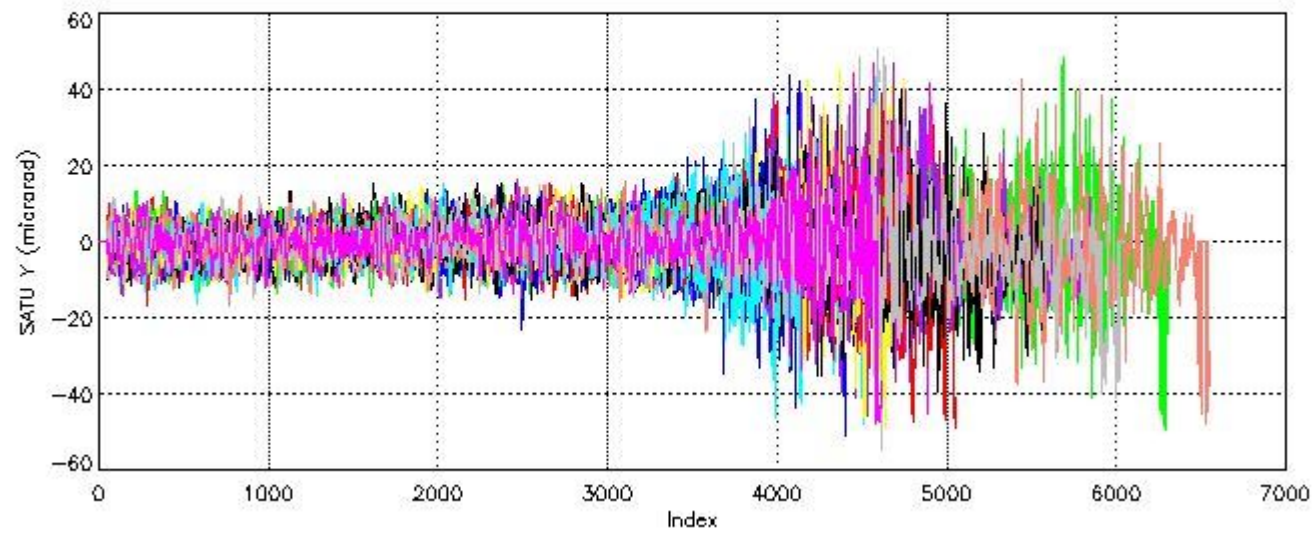
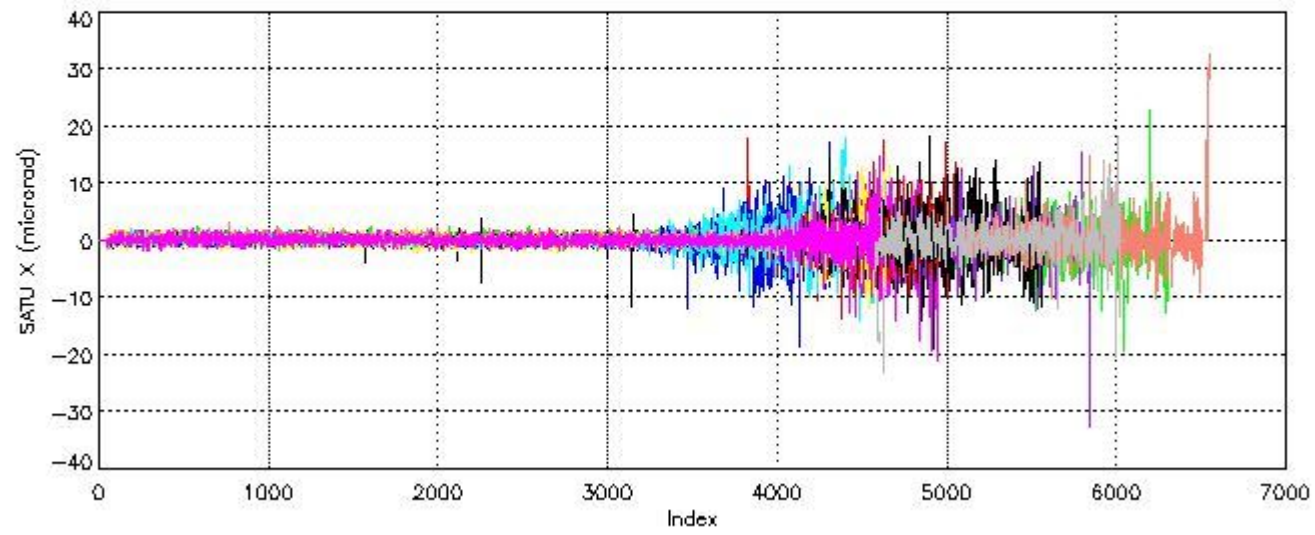


7. Star Acquisition and Tracking Unit (SATU)

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:	0.23510	-0.74136	0.19566	-0.66323
St. deviation:	0.39734	3.8243	0.74246	3.5126
Maximum:	3.0000	13.200	4.3000	17.900
Minimum:	-1.9000	-16.700	-4.0000	-17.200

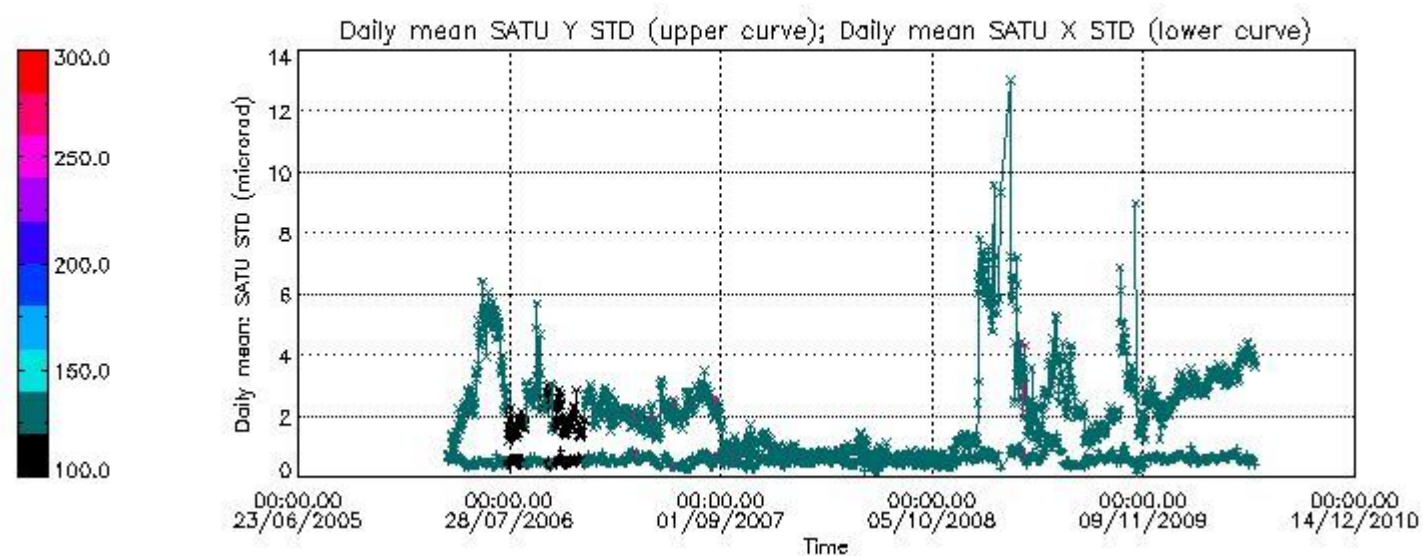
Number of data:	33300.	33300.	72700.	72700.
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

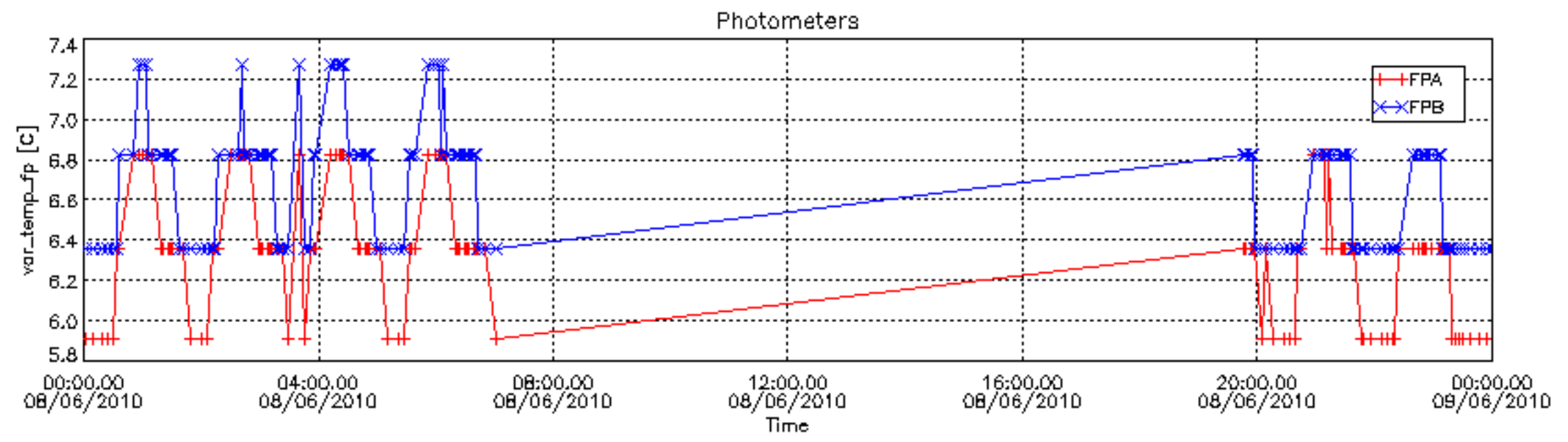
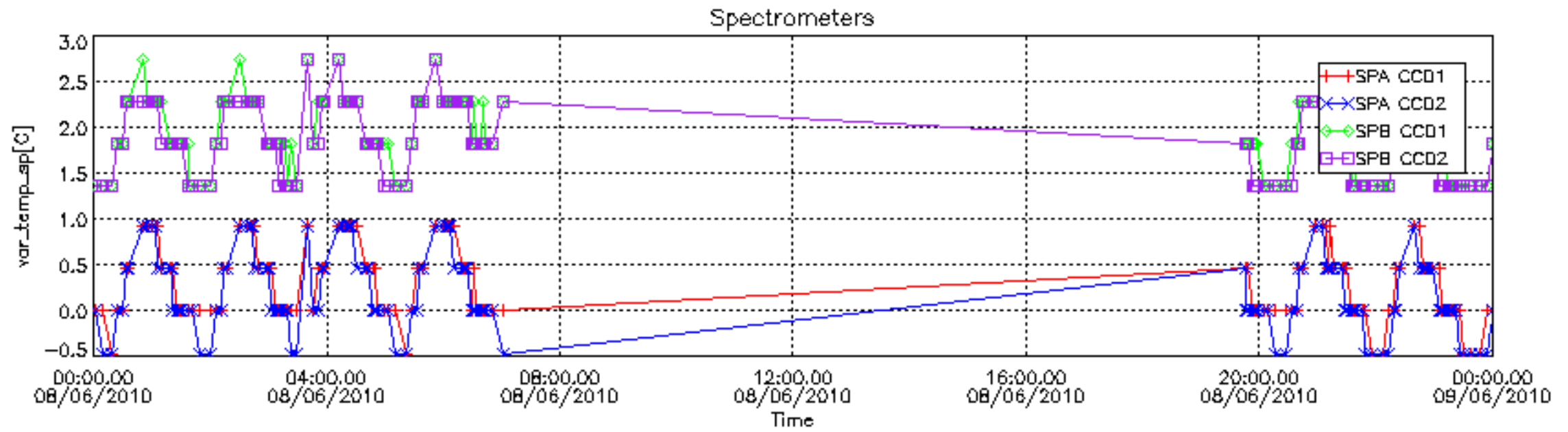
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

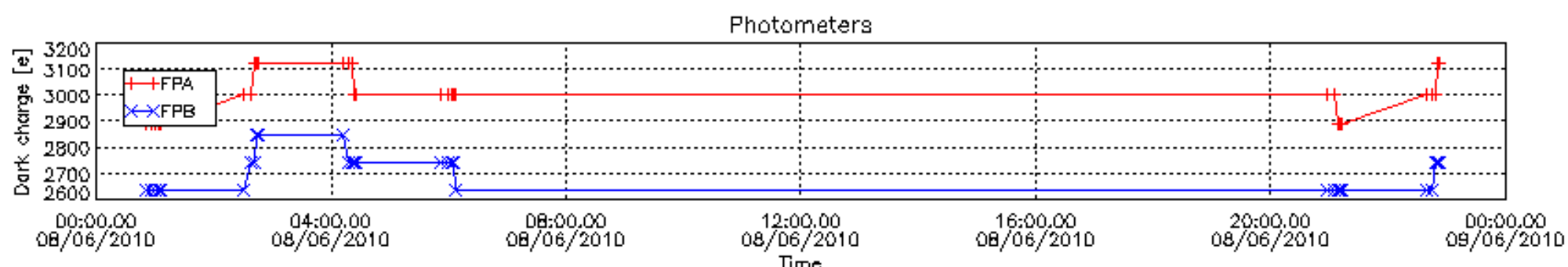
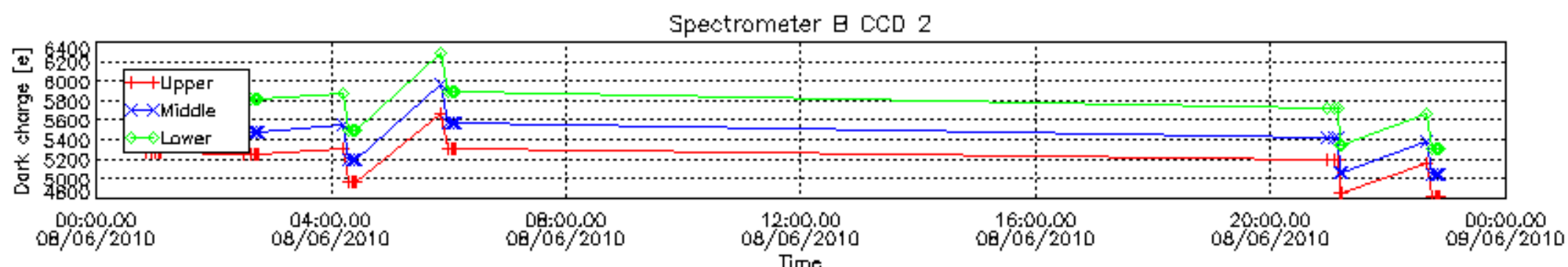
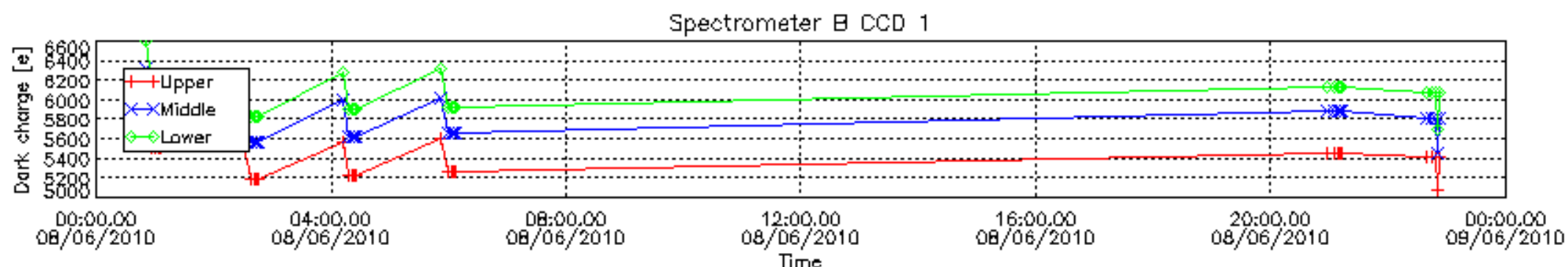
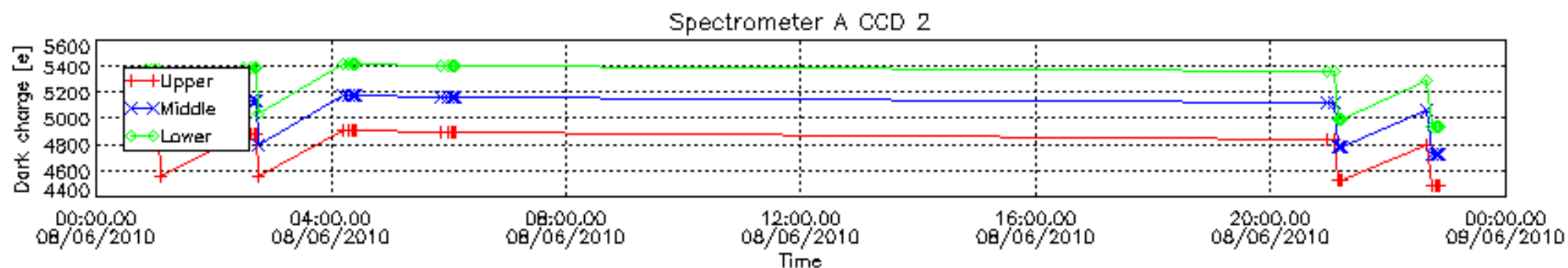
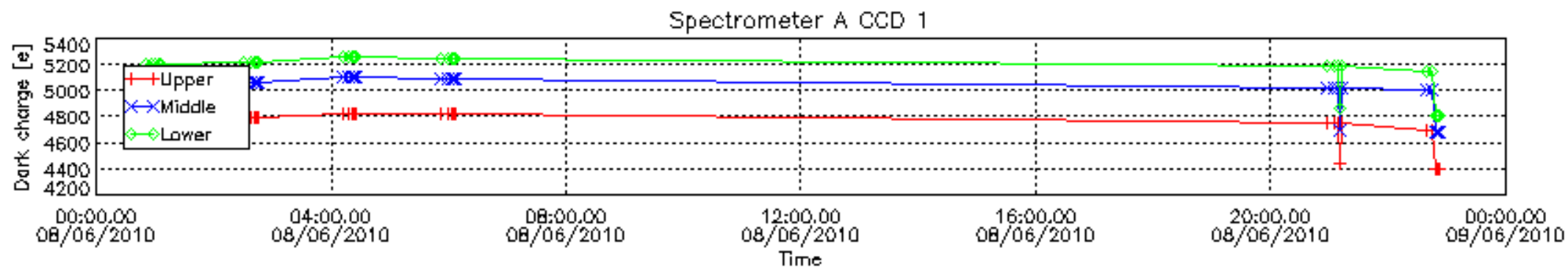


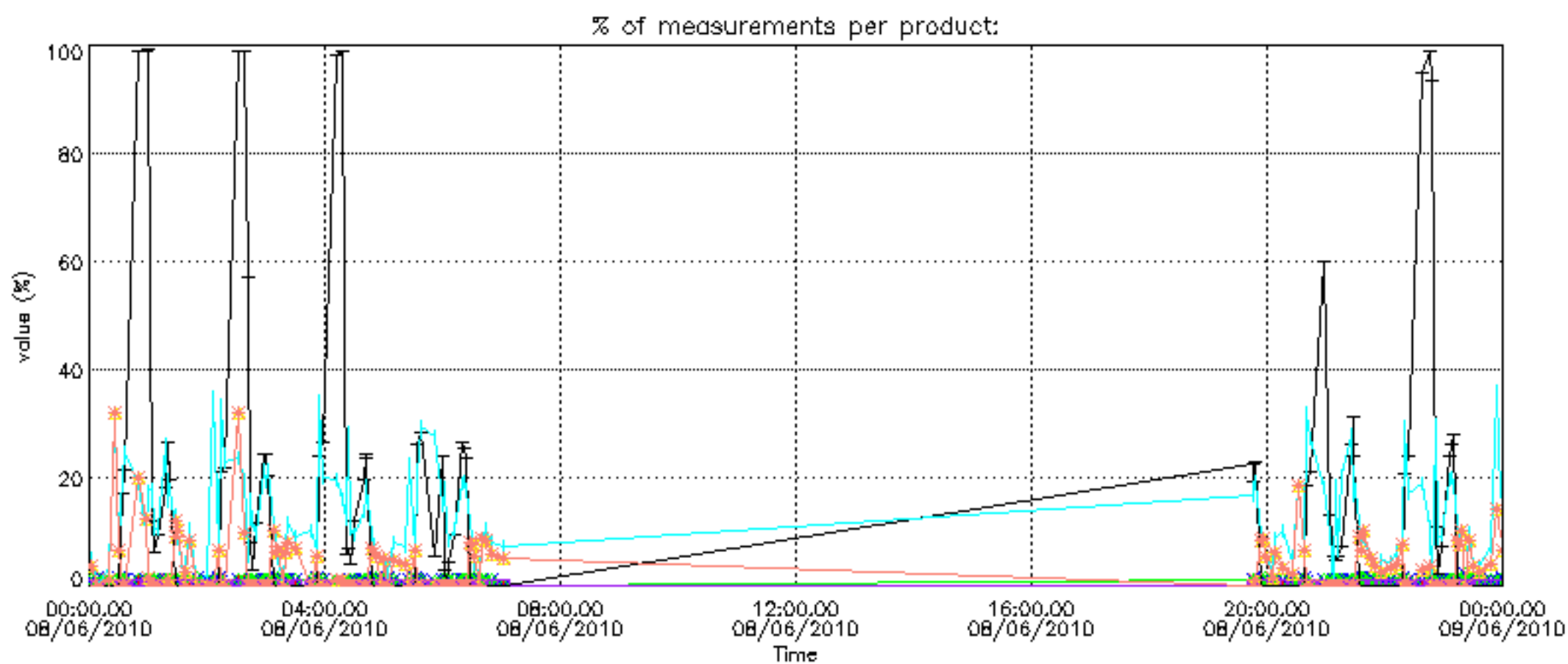
8. Auxiliary Data Files used for the production reported in section 2.4

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.

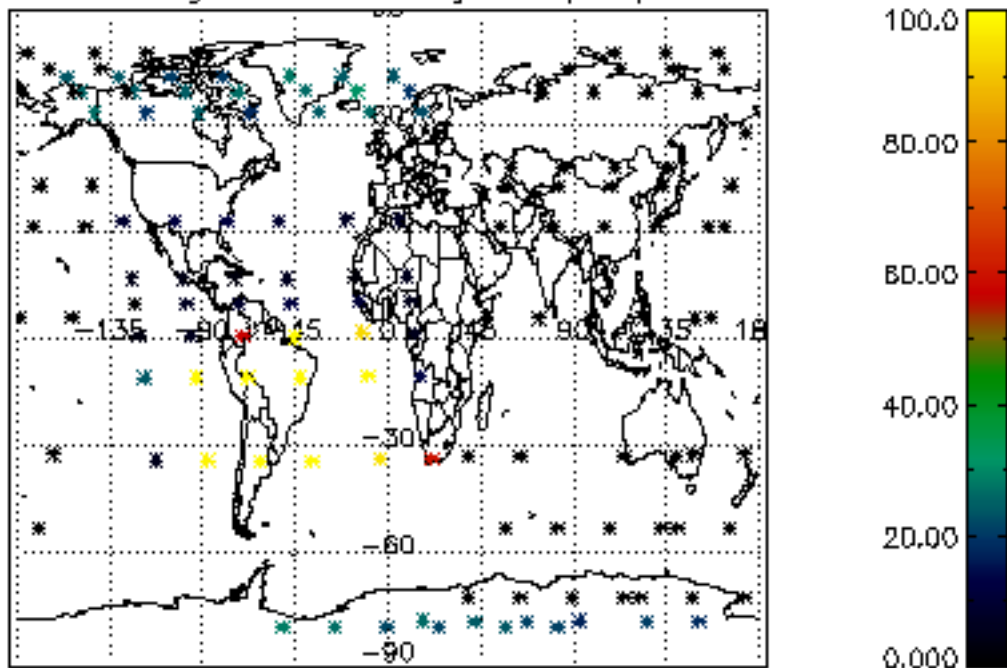
Type	Auxiliary Filename	Used since product	Used since product date
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CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100604_095219_20100603_000000_20500101_000000	1	08-JUN-2010 00:01:17
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	08-JUN-2010 00:01:17
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	08-JUN-2010 00:01:17
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	08-JUN-2010 00:01:17
ECMWF_FILE	MISSING	1	08-JUN-2010 00:01:17
ECMWF_FILE	AUX_ECF_AXNECM20100607_172114_20100608_030000_20100608_150000	45	08-JUN-2010 03:40:27
ECMWF_FILE	AUX_ECA_AXNECM20100608_052113_20100607_210000_20100608_090000	67	08-JUN-2010 05:26:53
ECMWF_FILE	AUX_ECA_AXNECM20100609_044114_20100608_150000_20100609_030000	88	08-JUN-2010 19:45:00
ECMWF_FILE	AUX_ECF_AXNECM20100608_054114_20100608_210000_20100609_090000	122	08-JUN-2010 22:38:45
OPTIONAL_ECMWF_FILE	MISSING	1	08-JUN-2010 00:01:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100607_230319_000057382090_00101_43241_0506.N1	1	08-JUN-2010 00:01:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100608_004416_000054192090_00102_43242_0507.N1	8	08-JUN-2010 00:50:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100608_021954_000044632090_00103_43243_0508.N1	29	08-JUN-2010 02:31:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100608_033936_000057382090_00104_43244_0509.N1	45	08-JUN-2010 03:40:27
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100607_092114_20100606_184938_20100616_201551	67	08-JUN-2010 05:26:53
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100608_193558_000038252090_00114_43254_0511.N1	88	08-JUN-2010 19:45:00
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100608_204502_000063762090_00114_43254_0512.N1	102	08-JUN-2010 20:58:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100608_223637_000054192090_00115_43255_0513.N1	122	08-JUN-2010 22:38:45



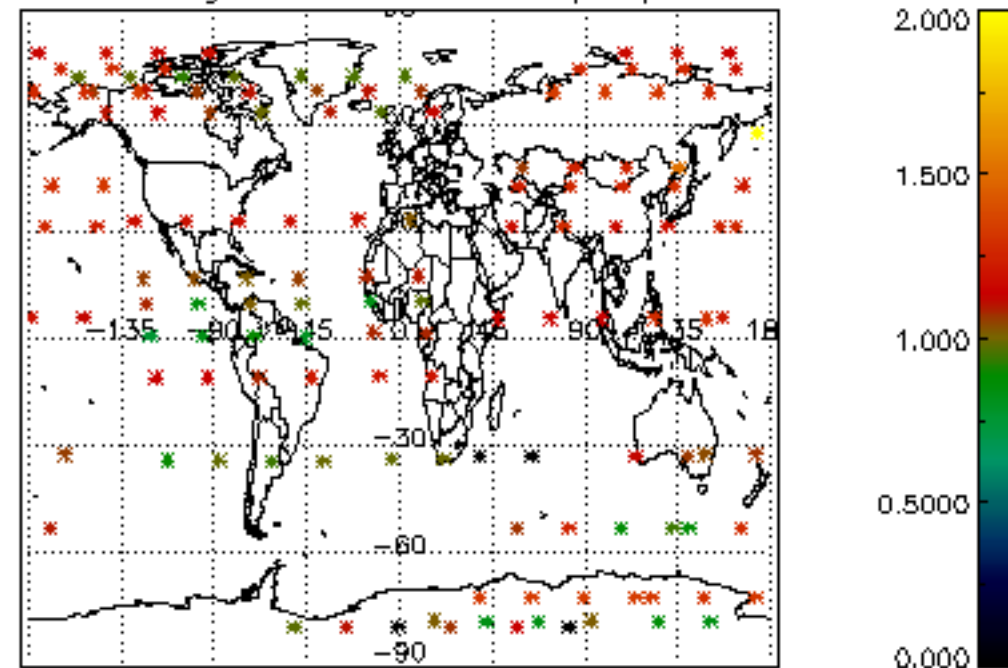




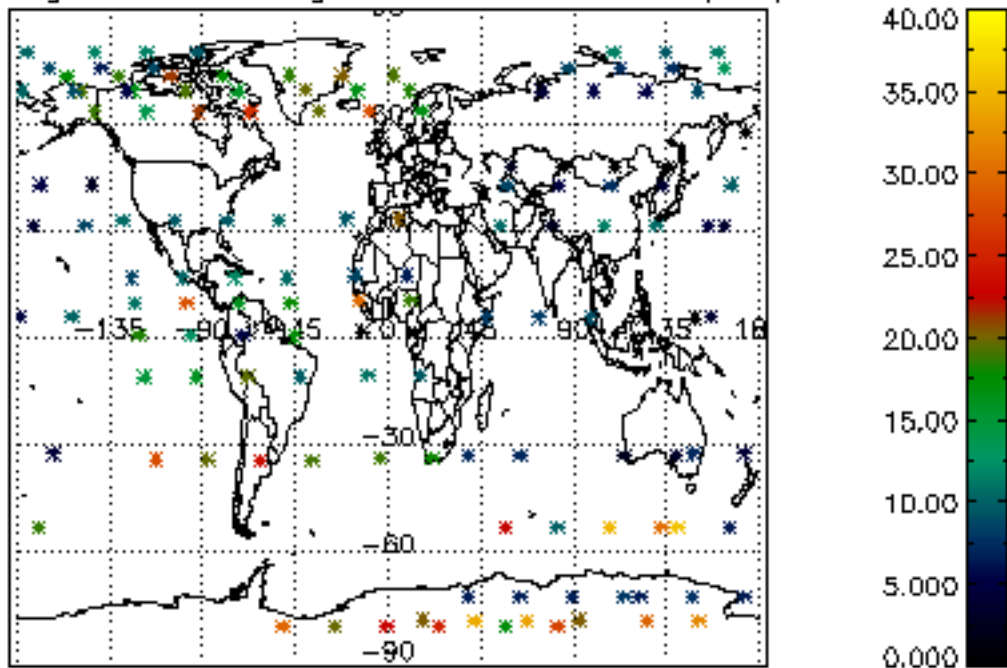
Percentage of cosmic ray hits per profile



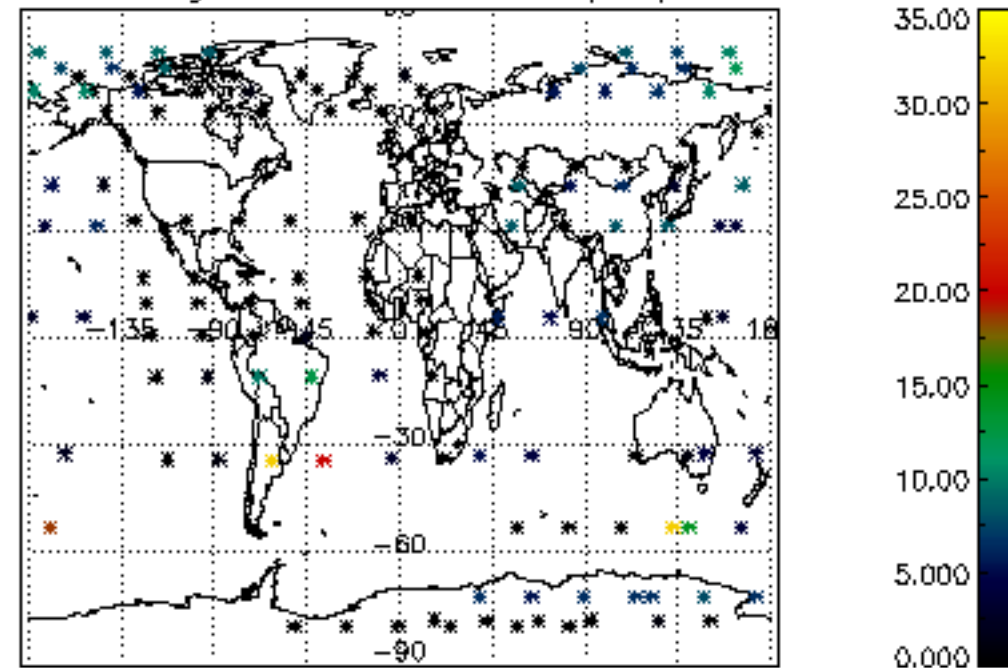
Percentage of datation errors per profile



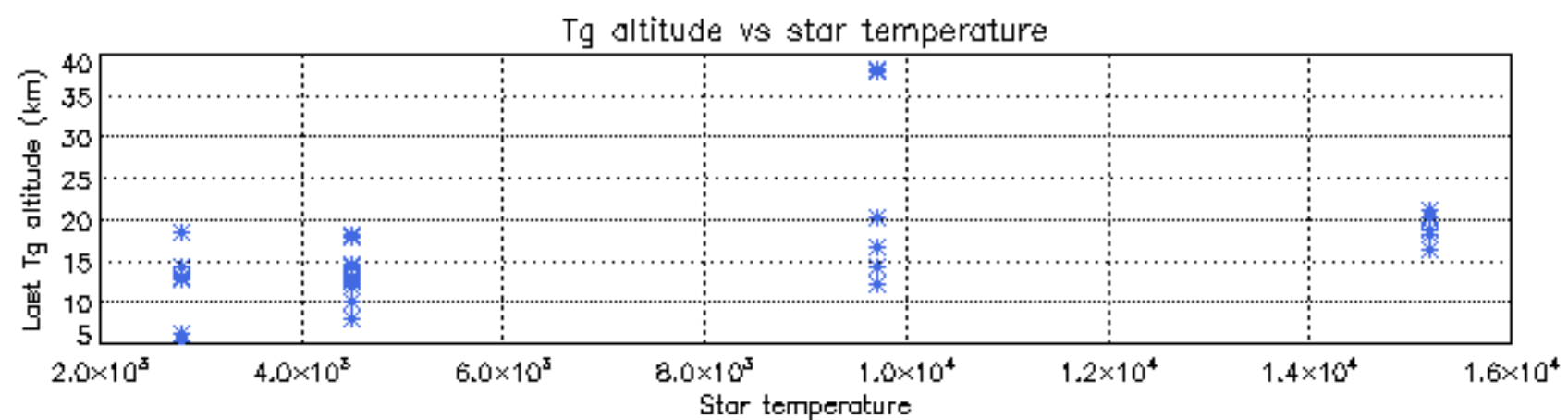
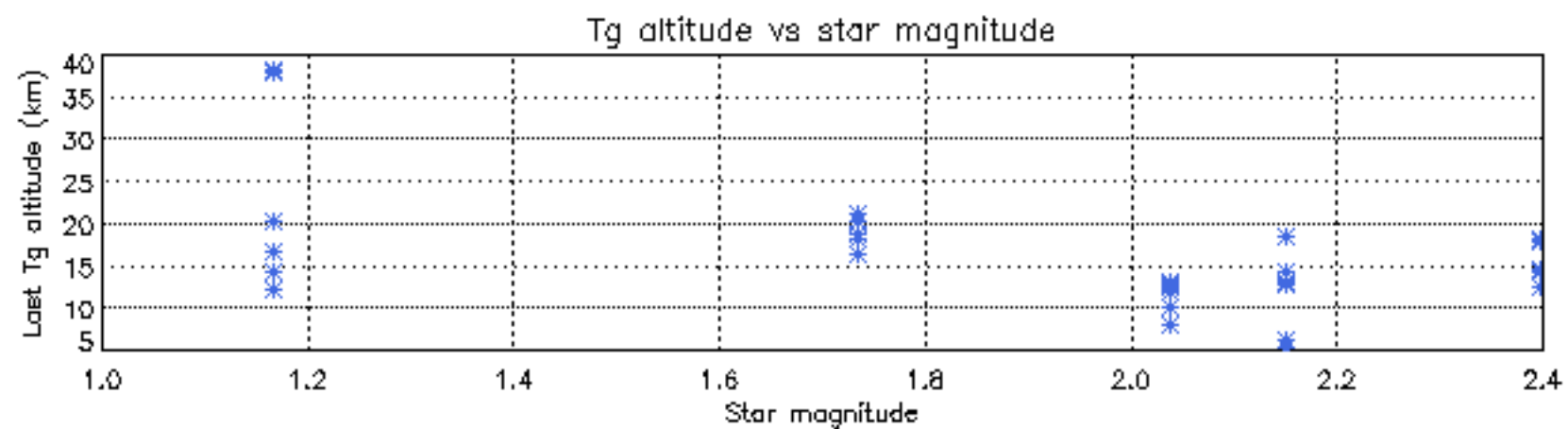
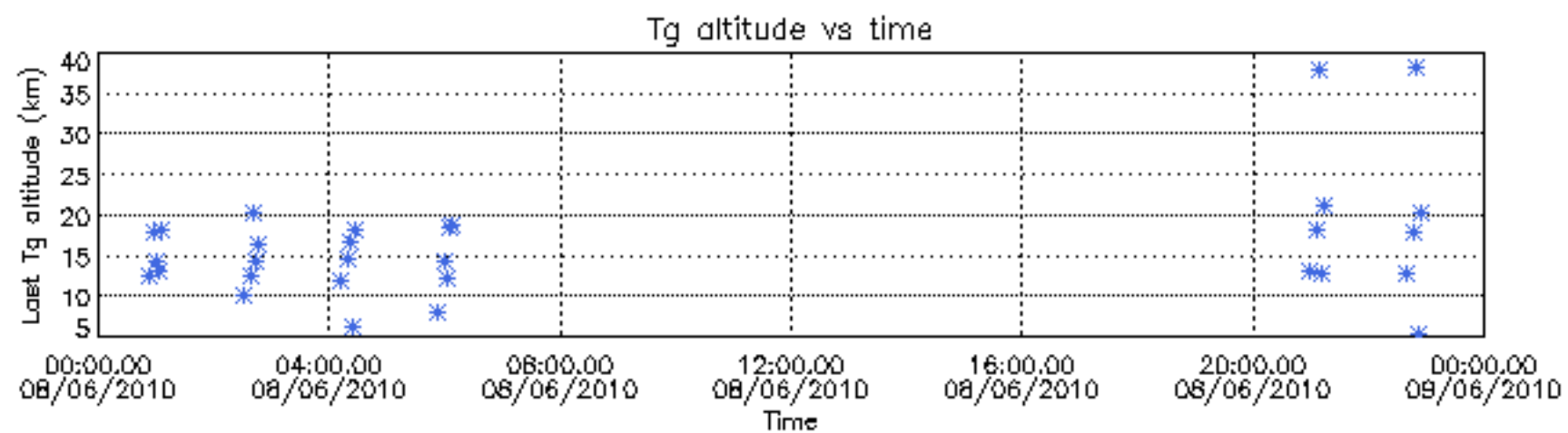
Percentage of star falling outside central band per profile



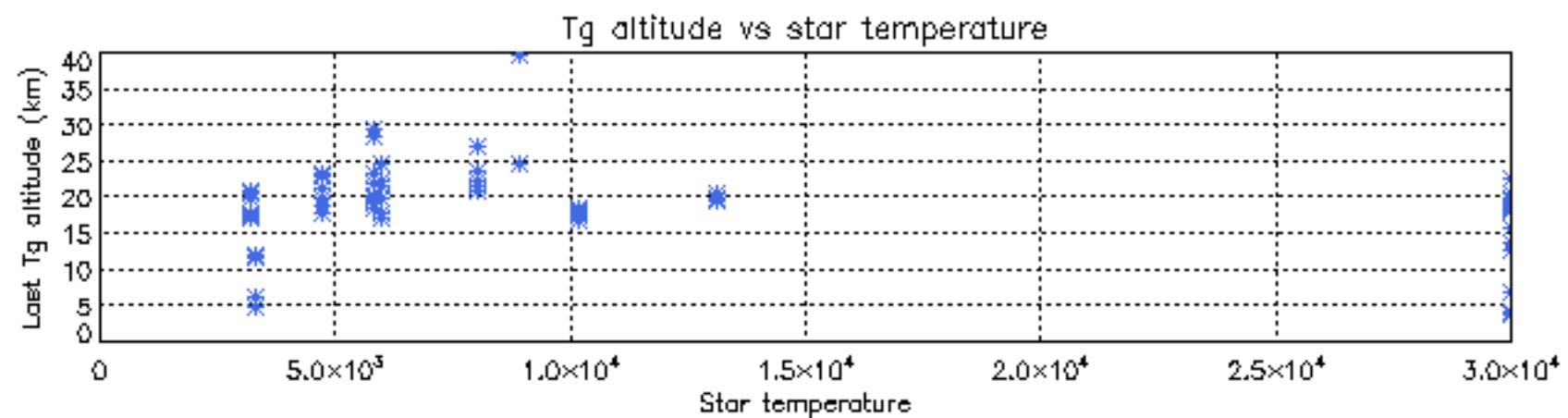
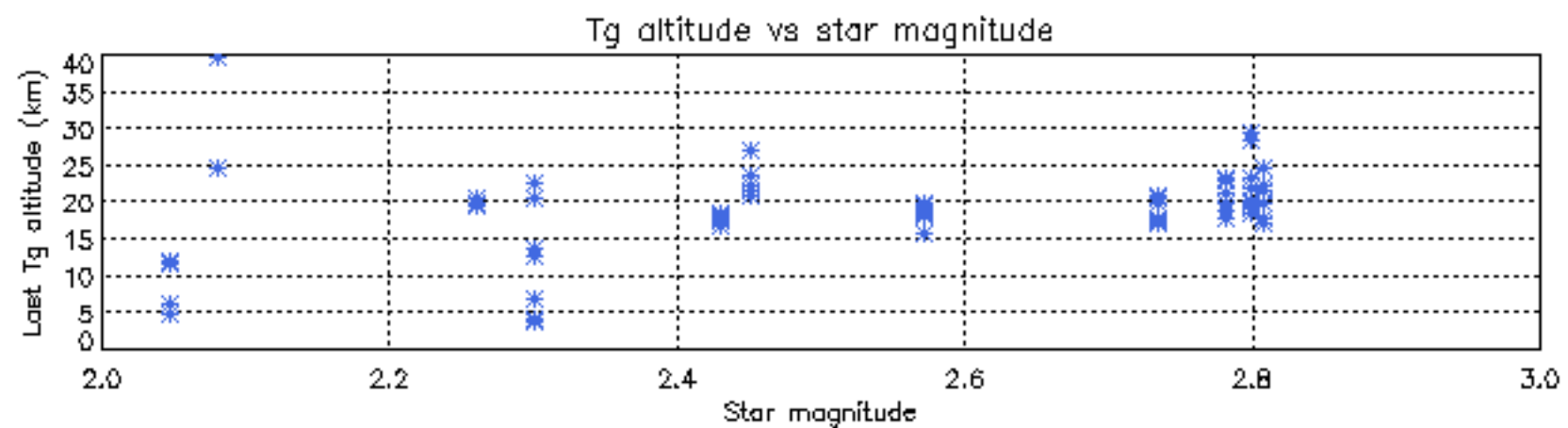
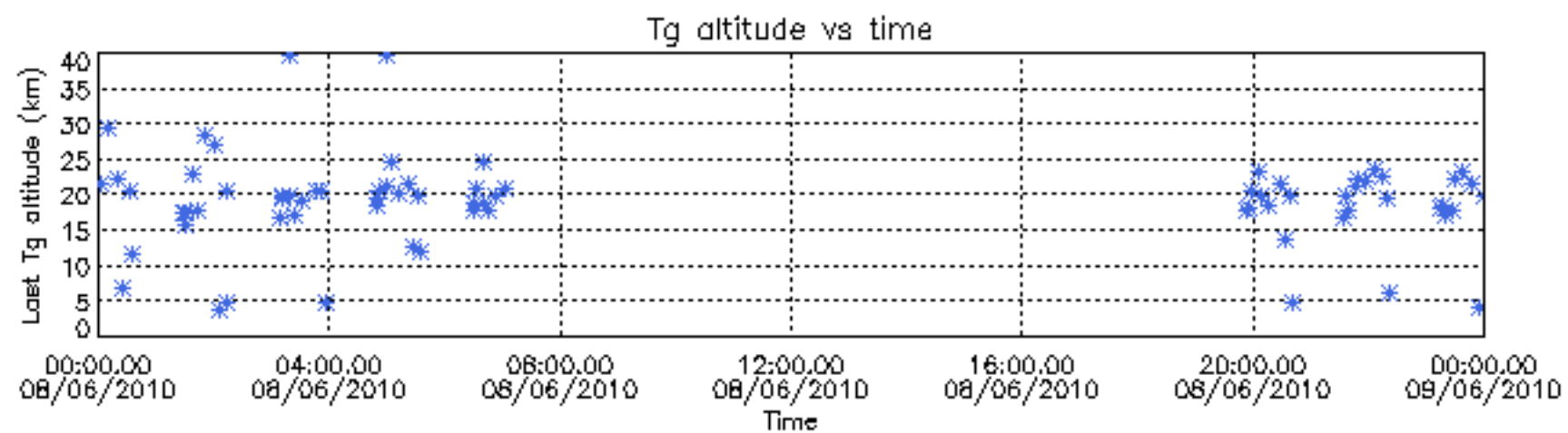
Percentage of saturation errors per profile



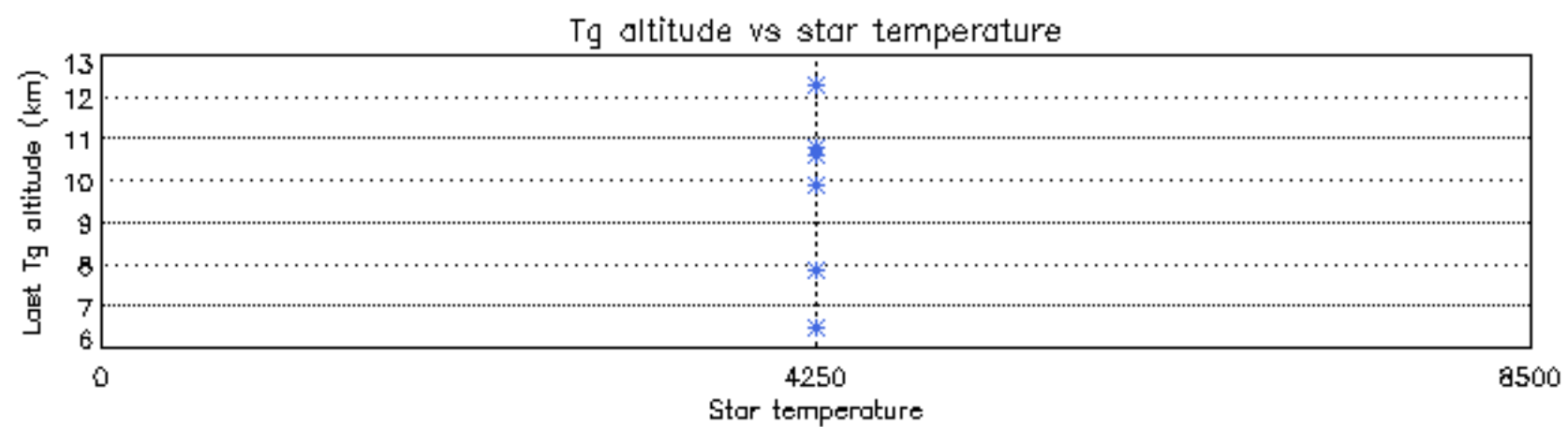
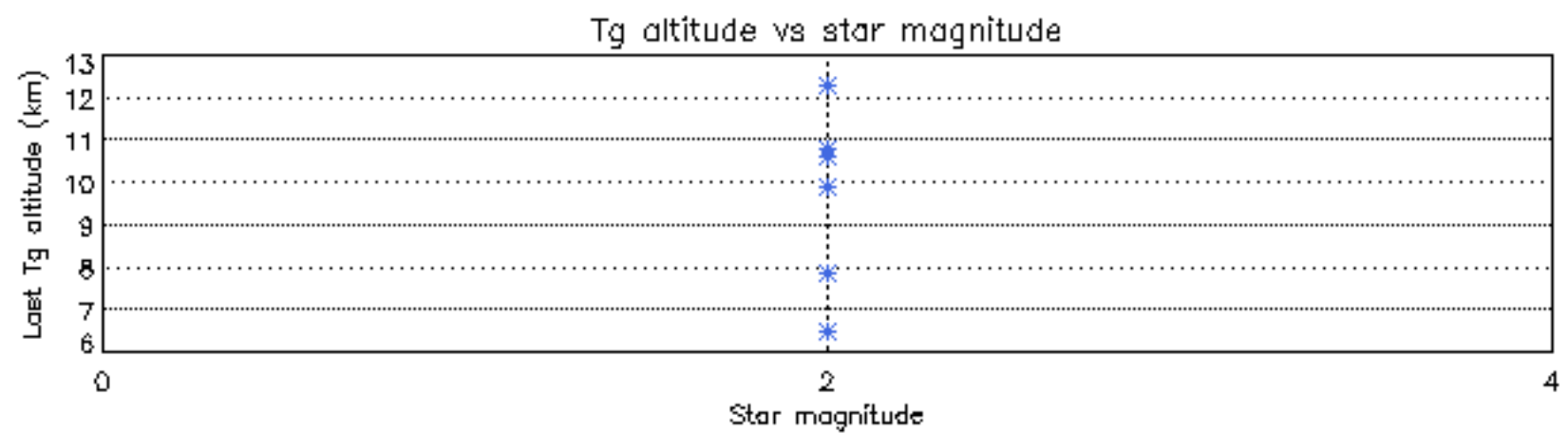
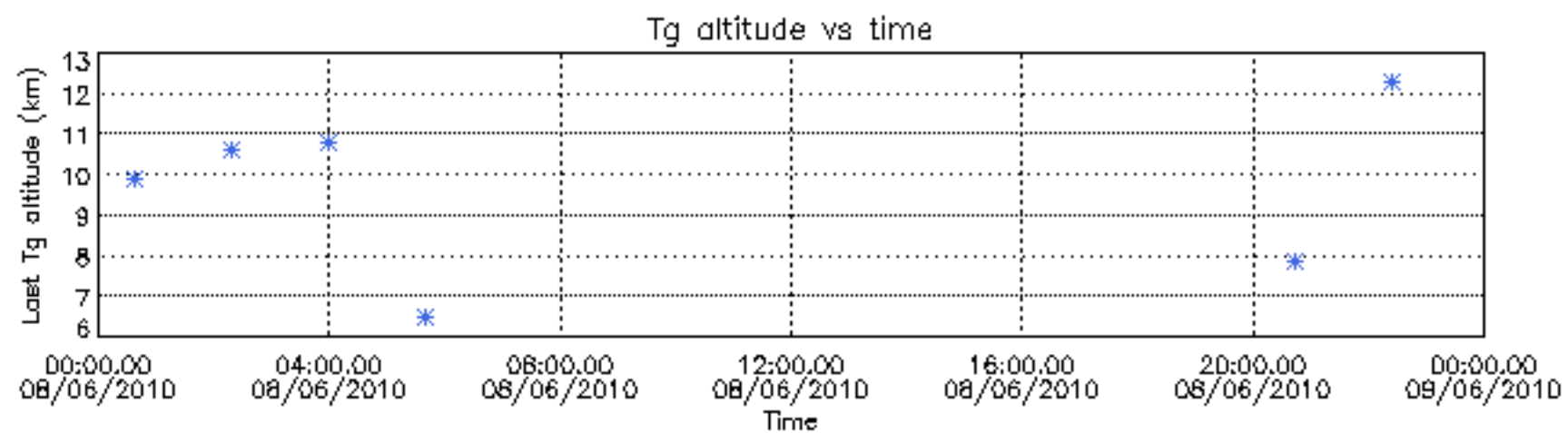
Tangent altitude at which the star is lost

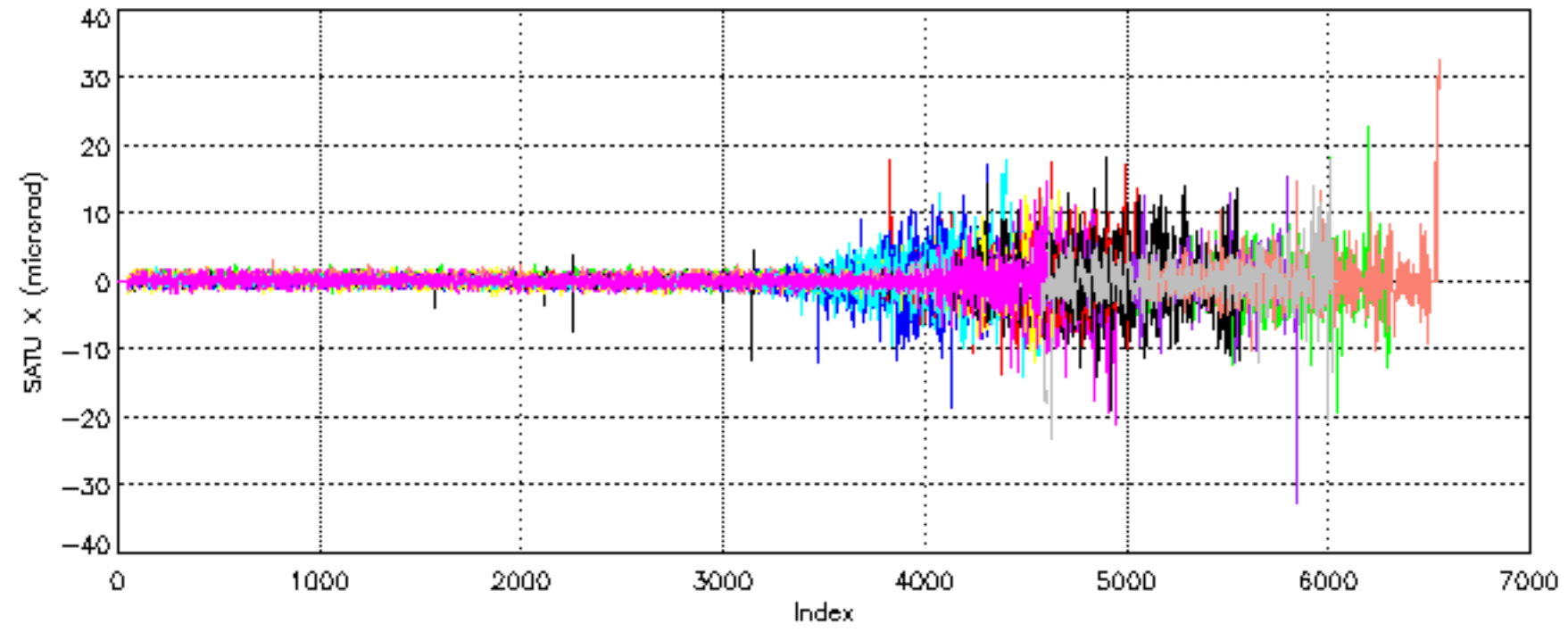


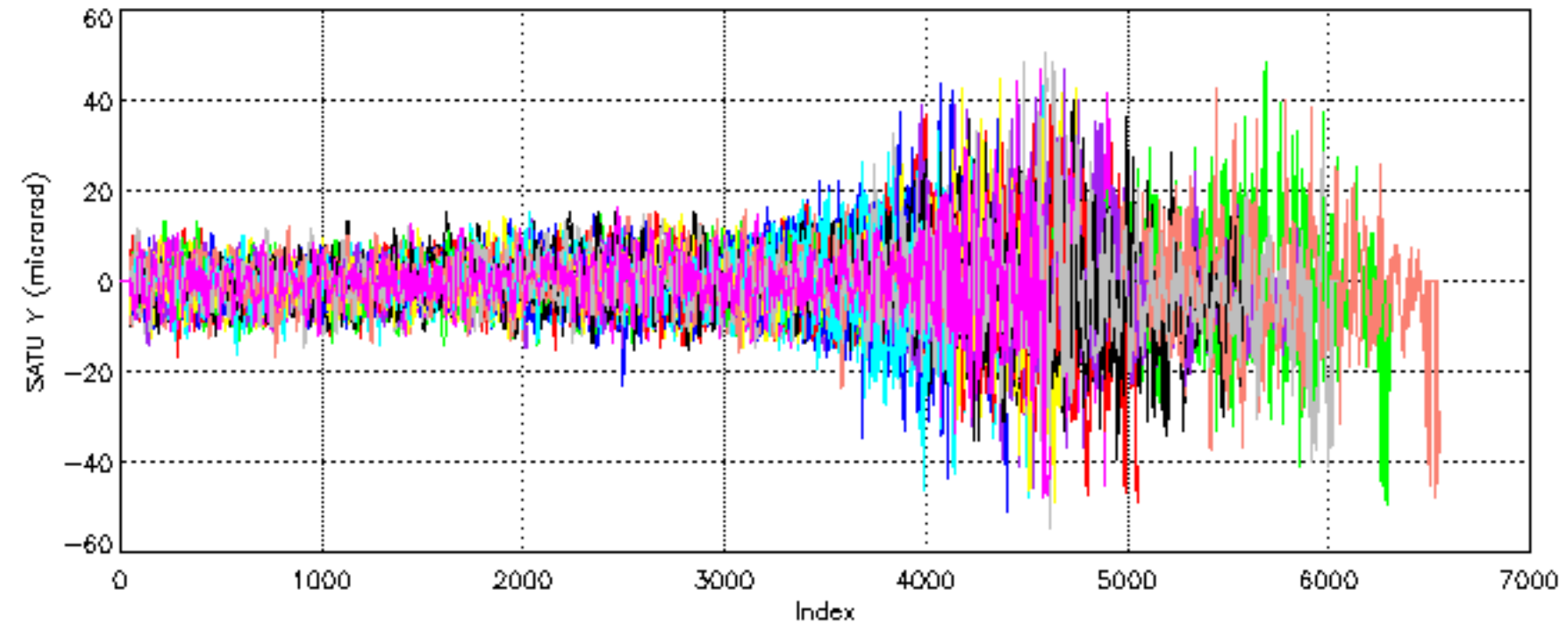
Tangent altitude at which the star is lost

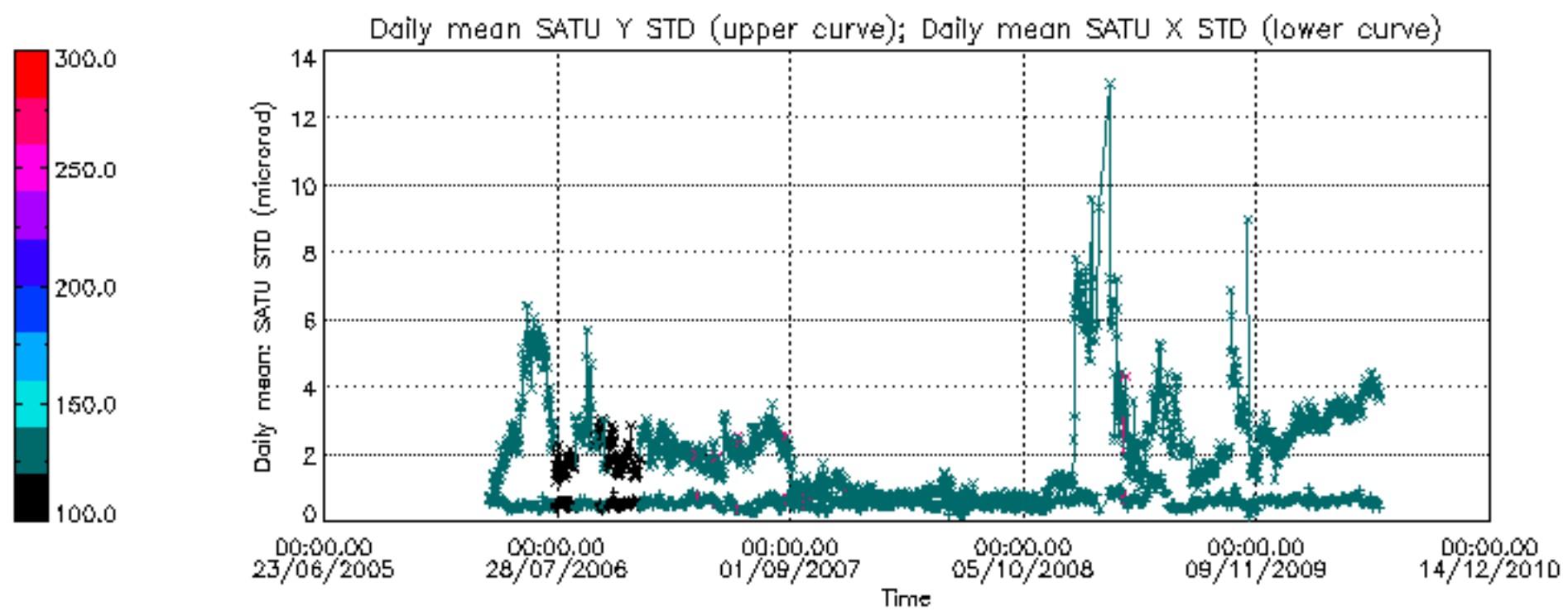


Tangent altitude at which the star is lost









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 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
 8; 1142.8; 01-JUN-2010 01:39:34; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43143
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 13; 1702.4; 01-JUN-2010 01:48:54; Bright; 42.5; 98; 13Zet Oph ; 2.57; 30000;occ; 85; 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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 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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 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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 6; 2277.3; 15-JUN-2010 16:23:38; Bright; 38.5; 127; 27Bet Her ; 2.78; 4700;occ; 77; 0;43352
 7; 2460.0; 15-JUN-2010 16:26:40; Bright; 39.5; 133; 40Zet Her ; 2.81; 6000;occ; 79; 0;43352
 8; 2870.0; 15-JUN-2010 16:33:30; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;43352
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 4; 1613.0; 15-JUN-2010 17:53:09; Bright; 39.0; 86; 35Eta Oph ; 2.43; 10200;occ; 78; 0;43353
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 7; 2277.1; 15-JUN-2010 18:04:14; Bright; 39.5; 127; 27Bet Her ; 2.78; 4700;occ; 79; 0;43353
 8; 2459.4; 15-JUN-2010 18:07:16; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;43353
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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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 10; 2961.6; 15-JUN-2010 19:56:14; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;43354
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13; 2276.6; 16-JUN-2010 02:27:13; Bright; 36.0; 127; 27Bet Her ; 2.78; 4700;occ; 72; 0;43358
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16; 6317.7; 16-JUN-2010 16:59:21; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;43367
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 6; 2276.1; 16-JUN-2010 17:32:35; Bright; 38.0; 127; 27Bet Her ; 2.78; 4700;occ; 76; 0;43367
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 9; 3486.1; 16-JUN-2010 17:52:45; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;43367
 10; 3874.8; 16-JUN-2010 17:59:14; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;43367

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13; 4411.6; 16-JUN-2010 18:08:11; Dark ; 60.5; 53; 43Bet And ; 2.05; 3300;occ; 121; 0;43367
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17; 5943.7; 16-JUN-2010 18:33:43; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;43367
18; 6318.8; 16-JUN-2010 18:39:58; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;43368
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13; 2154.0; 17-JUN-2010 01:53:33; Bright; 43.0; 59; 55Alp Oph ; 2.08; 8900;occ; 86; 0;43372
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 4; 1615.1; 17-JUN-2010 01:44:34; Bright; 39.5; 86; 35Eta Oph ; 2.43; 10200;occ; 79; 0;43372
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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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 16; 3840.5; 22-JUN-2010 23:11:57; Bright; 67.0; 74; 11Bet Cas ; 2.27; 6600;occ; 134; 0;43456
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 22; 4933.5; 22-JUN-2010 23:30:10; Dark ; 38.0; 94; 92Alp Cet ; 2.53; 3100;occ; 76; 0;43456
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 16; 3840.3; 23-JUN-2010 00:52:33; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;43457
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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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 26; 6720.8; 23-JUN-2010 03:21:09; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;43459
 27; 7276.4; 23-JUN-2010 03:30:25; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;43459
 28; 7361.8; 23-JUN-2010 03:31:50; Dark ; 51.5; 116; 19Del Sgr ; 2.70; 4100;occ; 103; 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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 33; 8755.5; 23-JUN-2010 03:55:04; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;43459
 34; 8869.6; 23-JUN-2010 03:56:58; Bright; 28.0; 130; 23Bet Dra ; 2.80; 5800;occ; 56; 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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 10; 5414.1; 23-JUN-2010 04:39:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43459
 11; 6022.2; 23-JUN-2010 04:50:07; Dark ; 44.0; 84; Alp Phe ; 2.40; 4500;occ; 88; 0;43459
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 5; -1621.0; 23-JUN-2010 06:03:55; Dark ; 45.5; 173; 4Bet Tri ; 3.00; 8900;occ; 91; 0;43460
 6; -1390.3; 23-JUN-2010 06:07:46; Dark ; 53.0; 50; 13Alp Ari ; 2.01; 4250;occ; 106; 0;43460
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13; 4270.3; 23-JUN-2010 21:06:54; Bright; 44.5; 73; 57Gam1And ; 2.26; 13100;occ; 89; 0;43469
14; 4415.6; 23-JUN-2010 21:09:19; Dark ; 44.5; 173; 4Bet Tri ; 3.00; 8900;occ; 89; 0;43469
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3; 383.5; 23-JUN-2010 21:42:43; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;43470
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5; 691.0; 23-JUN-2010 21:47:51; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43470
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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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13; 2830.4; 24-JUN-2010 01:44:42; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;43472
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21; 4938.7; 24-JUN-2010 02:19:50; Dark ; 37.0; 94; 92Alp Cet ; 2.53; 3100;occ; 74; 0;43472
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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
 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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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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 5;-1619.5; 24-JUN-2010 03:51:44; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;43473
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16; 1988.1; 24-JUN-2010 04:51:51; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;43474
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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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