

GOMOS Daily Report 06-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	09JUN2010 04:48:42
Data source version	GOMOS/5.00L04
Start time of products	06JUN2010 00:03:57
Stop time of products	06JUN2010 23:55:53
Store outputs in DB	Yes
Nb of level 1b prods	125
Nb of prods with errors	1

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

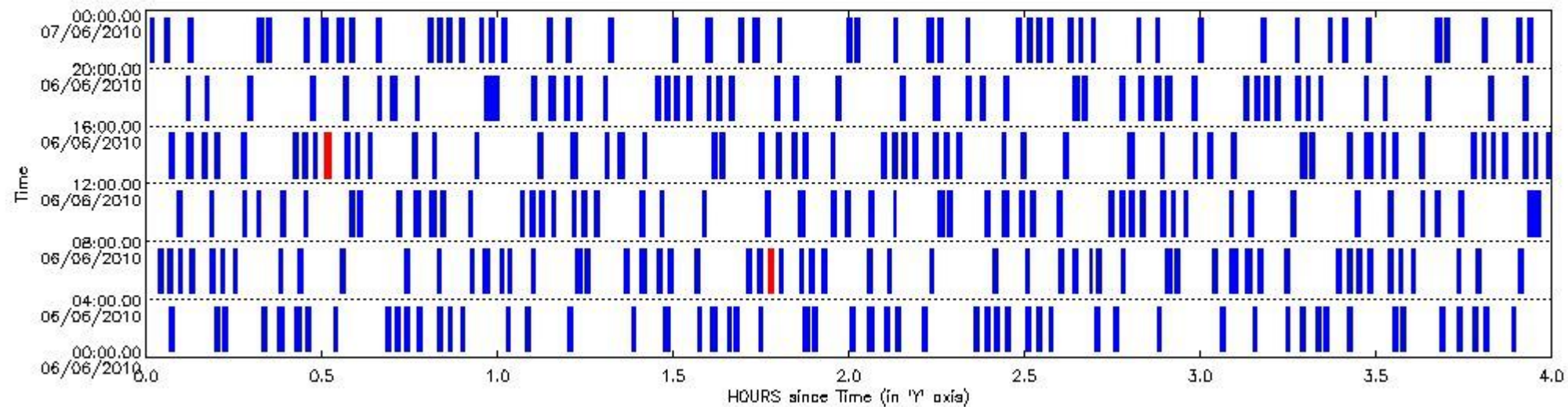
2.1 Level 0 products arrived in PCF (see template [here](#))

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)

UTC start time	Star name	Star ID	Orbit
06-JUN-2010 05:46:10	26EpsSco	75	43217
06-JUN-2010 12:30:32	23TauSco	136	43221

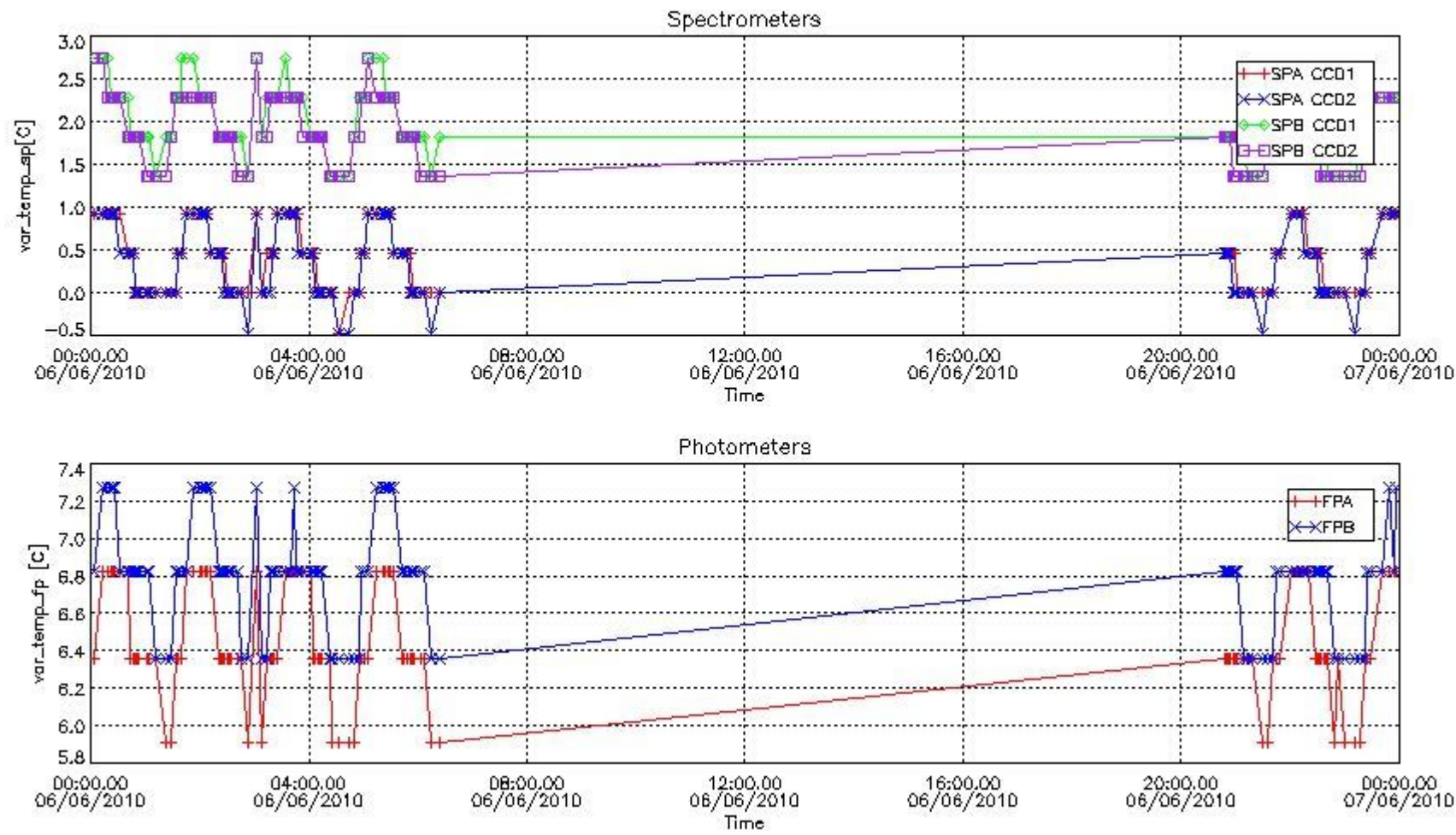
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100606_000357_000000522090_00073_43213_6794.N1	06-JUN-2010 00:03:57	Dark	52.000	140	88Gam Peg	2.8340	26000.	104	43213	No
2	GOM_TRA_1PNPDE20100606_001303_000000512090_00073_43213_6793.N1	06-JUN-2010 00:13:03	Dark	50.500	52	16Bet Cet	2.0370	4500.0	101	43213	No
3	GOM_TRA_1PNPDE20100606_001940_000000442090_00073_43213_6794.N1	06-JUN-2010 00:19:40	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	43213	No
4	GOM_TRA_1PNPDE20100606_002231_000000562090_00073_43213_6795.N1	06-JUN-2010 00:22:31	Dark	55.500	18	24Alp PsA	1.1660	9700.0	111	43213	No
5	GOM_TRA_1PNPDE20100606_002519_000000612090_00074_43214_6796.N1	06-JUN-2010 00:25:19	Dark	61.000	63	Bet Gru	2.1500	2800.0	122	43214	No
6	GOM_TRA_1PNPDE20100606_002717_000000472090_00074_43214_6797.N1	06-JUN-2010 00:27:17	Dark	47.000	31	Alp Gru	1.7340	15200.	94	43214	No
7	GOM_TRA_1PNPDE20100606_003156_000000422090_00074_43214_6798.N1	06-JUN-2010 00:31:56	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43214	No
8	GOM_TRA_1PNPDE20100606_004047_000000522090_00074_43214_6799.N1	06-JUN-2010 00:40:47	Straylight	51.500	40	The Sco	1.8590	7100.0	103	43214	No
9	GOM_TRA_1PNPDE20100606_004233_000000452090_00074_43214_6800.N1	06-JUN-2010 00:42:33	Twilight_stray	45.000	25	35Lam Sco	1.6200	28000.	90	43214	No

10	GOM_TRA_1PNPDE20100606_004412_000000452090_00074_43214_6801.N1	06-JUN-2010 00:44:12	Twilight	45.000	75	26Eps Sco	2.2910	4250.0	90	43214	No
11	GOM_TRA_1PNPDE20100606_004611_000000482090_00074_43214_6802.N1	06-JUN-2010 00:46:11	Bright	48.000	136	23Tau Sco	2.8220	30000.	96	43214	No
12	GOM_TRA_1PNPDE20100606_004940_000000452090_00074_43214_6803.N1	06-JUN-2010 00:49:40	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	43214	No
13	GOM_TRA_1PNPDE20100606_005128_000000412090_00074_43214_6804.N1	06-JUN-2010 00:51:28	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43214	No
14	GOM_TRA_1PNPDE20100606_005337_000000382090_00074_43214_6805.N1	06-JUN-2010 00:53:37	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	43214	No
15	GOM_TRA_1PNPDE20100606_010123_000000422090_00074_43214_6806.N1	06-JUN-2010 01:01:23	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	43214	No
16	GOM_TRA_1PNPDE20100606_010440_000000442090_00074_43214_6807.N1	06-JUN-2010 01:04:40	Bright	43.500	133	40Zet Her	2.8070	6000.0	87	43214	No
17	GOM_TRA_1PNPDE20100606_011158_000000452090_00074_43214_6808.N1	06-JUN-2010 01:11:58	Bright	45.000	130	23Bet Dra	2.7990	5800.0	90	43214	No
18	GOM_TRA_1PNPDE20100606_012249_000000472090_00074_43214_6809.N1	06-JUN-2010 01:22:49	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	43214	No
19	GOM_TRA_1PNPDE20100606_012824_000000572090_00074_43214_6810.N1	06-JUN-2010 01:28:24	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	43214	No
20	GOM_TRA_1PNPDE20100606_013404_000000382090_00074_43214_6811.N1	06-JUN-2010 01:34:04	Bright	37.500	73	57Gam1And	2.2600	13100.	75	43214	No
21	GOM_TRA_1PNPDE20100606_013623_000000572090_00074_43214_6812.N1	06-JUN-2010 01:36:23	Bright	56.500	53	43Bet And	2.0480	3300.0	113	43214	No
22	GOM_TRA_1PNPDE20100606_013913_000000372090_00074_43214_6813.N1	06-JUN-2010 01:39:13	Twilight	37.000	58	21Alp And	2.0730	11000.	74	43214	No
23	GOM_TRA_1PNPDE20100606_014028_000000422090_00074_43214_6814.N1	06-JUN-2010 01:40:28	Twilight	42.000	105	6Bet Ari	2.6450	8900.0	84	43214	No
24	GOM_TRA_1PNPDE20100606_014434_000000442090_00074_43214_6815.N1	06-JUN-2010 01:44:34	Dark	43.500	140	88Gam Peg	2.8340	26000.	87	43214	No
25	GOM_TRA_1PNPDE20100606_015340_000000512090_00074_43214_6819.N1	06-JUN-2010 01:53:40	Dark	51.000	52	16Bet Cet	2.0370	4500.0	102	43214	No
26	GOM_TRA_1PNPDE20100606_020017_000000442090_00074_43214_6820.N1	06-JUN-2010 02:00:17	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	43214	No
27	GOM_TRA_1PNPDE20100606_020308_000000712090_00074_43214_6821.N1	06-JUN-2010 02:03:08	Dark	70.500	18	24Alp PsA	1.1660	9700.0	141	43214	No
28	GOM_TRA_1PNPDE20100606_020556_000000572090_00075_43215_6822.N1	06-JUN-2010 02:05:56	Dark	56.500	63	Bet Gru	2.1500	2800.0	113	43215	No
29	GOM_TRA_1PNPDE20100606_020753_000000532090_00075_43215_6823.N1	06-JUN-2010 02:07:53	Dark	52.500	31	Alp Gru	1.7340	15200.	105	43215	No
30	GOM_TRA_1PNPDE20100606_021233_000000462090_00075_43215_6824.N1	06-JUN-2010 02:12:33	Straylight	45.500	45	Alp Pav	1.9400	26000.	91	43215	No
31	GOM_TRA_1PNPDE20100606_022123_000000442090_00075_43215_6825.N1	06-JUN-2010 02:21:23	Straylight	44.000	40	The Sco	1.8590	7100.0	88	43215	No
32	GOM_TRA_1PNPDE20100606_022310_000000472090_00075_43215_6826.N1	06-JUN-2010 02:23:10	Twilight	46.500	25	35Lam Sco	1.6200	28000.	93	43215	No
33	GOM_TRA_1PNPDE20100606_022449_000000462090_00075_43215_6827.N1	06-JUN-2010 02:24:49	Twilight	45.500	75	26Eps Sco	2.2910	4250.0	91	43215	No
34	GOM_TRA_1PNPDE20100606_022647_000000462090_00075_43215_6828.N1	06-JUN-2010 02:26:47	Bright	46.000	136	23Tau Sco	2.8220	30000.	92	43215	No
35	GOM_TRA_1PNPDE20100606_023016_000000442090_00075_43215_6829.N1	06-JUN-2010 02:30:16	Bright	44.000	86	35Eta Oph	2.4300	10200.	88	43215	No
36	GOM_TRA_1PNPDE20100606_023204_000000402090_00075_43215_6830.N1	06-JUN-2010 02:32:04	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	43215	No
37	GOM_TRA_1PNPDE20100606_023413_000000382090_00075_43215_6831.N1	06-JUN-2010 02:34:13	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	43215	No
38	GOM_TRA_1PNPDE20100606_024159_000000422090_00075_43215_6832.N1	06-JUN-2010 02:41:59	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	43215	No
39	GOM_TRA_1PNPDE20100606_024516_000000412090_00075_43215_6833.N1	06-JUN-2010 02:45:16	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	43215	No
40	GOM_TRA_1PNPDE20100606_025233_000000402090_00075_43215_6834.N1	06-JUN-2010 02:52:33	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	43215	No
41	GOM_TRA_1PNPDE20100606_030325_000000482090_00075_43215_6841.N1	06-JUN-2010 03:03:25	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43215	Yes
42	GOM_TRA_1PNPDE20100606_030859_000000392090_00075_43215_6842.N1	06-JUN-2010 03:08:59	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	43215	No
43	GOM_TRA_1PNPDE20100606_031440_000000352090_00075_43215_6843.N1	06-JUN-2010 03:14:40	Bright	34.500	73	57Gam1And	2.2600	13100.	69	43215	No
44	GOM_TRA_1PNPDE20100606_031658_000000592090_00075_43215_6844.N1	06-JUN-2010 03:16:58	Bright	59.000	53	43Bet And	2.0480	3300.0	118	43215	No
45	GOM_TRA_1PNPDE20100606_031949_000000372090_00075_43215_6845.N1	06-JUN-2010 03:19:49	Twilight	37.000	58	21Alp And	2.0730	11000.	74	43215	No
46	GOM_TRA_1PNPDE20100606_032105_000000442090_00075_43215_6846.N1	06-JUN-2010 03:21:05	Twilight	44.000	105	6Bet Ari	2.6450	8900.0	88	43215	No
47	GOM_TRA_1PNPDE20100606_032510_000000442090_00075_43215_6847.N1	06-JUN-2010 03:25:10	Dark	44.000	140	88Gam Peg	2.8340	26000.	88	43215	No
48	GOM_TRA_1PNPDE20100606_033417_000000502090_00075_43215_6848.N1	06-JUN-2010 03:34:17	Dark	49.500	52	16Bet Cet	2.0370	4500.0	99	43215	No
49	GOM_TRA_1PNPDE20100606_034053_000000452090_00075_43215_6849.N1	06-JUN-2010 03:40:53	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	43215	No
50	GOM_TRA_1PNPDE20100606_034346_000000582090_00075_43215_6850.N1	06-JUN-2010 03:43:46	Dark	58.000	18	24Alp PsA	1.1660	9700.0	116	43215	No
51	GOM_TRA_1PNPDE20100606_034633_000000522090_00076_43216_6851.N1	06-JUN-2010 03:46:33	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	43216	No
52	GOM_TRA_1PNPDE20100606_034831_000000462090_00076_43216_6852.N1	06-JUN-2010 03:48:31	Dark	45.500	31	Alp Gru	1.7340	15200.	91	43216	No
53	GOM_TRA_1PNPDE20100606_035310_000000442090_00076_43216_6853.N1	06-JUN-2010 03:53:10	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43216	No
54	GOM_TRA_1PNPDE20100606_040200_000000452090_00076_43216_6854.N1	06-JUN-2010 04:02:00	Straylight	45.000	40	The Sco	1.8590	7100.0	90	43216	No
55	GOM_TRA_1PNPDE20100606_040346_000000462090_00076_43216_6855.N1	06-JUN-2010 04:03:46	Twilight	46.000	25	35Lam Sco	1.6200	28000.	92	43216	No
56	GOM_TRA_1PNPDE20100606_040525_000000462090_00076_43216_6856.N1	06-JUN-2010 04:05:25	Twilight	46.000	75	26Eps Sco	2.2910	4250.0	92	43216	No
57	GOM_TRA_1PNPDE20100606_040723_000000442090_00076_43216_6857.N1	06-JUN-2010 04:07:23	Bright	44.000	136	23Tau Sco	2.8220	30000.	88	43216	No
58	GOM_TRA_1PNPDE20100606_041052_000000452090_00076_43216_6858.N1	06-JUN-2010 04:10:52	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	43216	No
59	GOM_TRA_1PNPDE20100606_041240_000000392090_00076_43216_6859.N1	06-JUN-2010 04:12:40	Bright	39.000	98	13Zet Oph	2.5710	30000.	78	43216	No
60	GOM_TRA_1PNPDE20100606_041449_000000382090_00076_43216_6860.N1	06-JUN-2010 04:14:49	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	43216	No
61	GOM_TRA_1PNPDE20100606_042235_000000402090_00076_43216_6861.N1	06-JUN-2010 04:22:35	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	43216	No
62	GOM_TRA_1PNPDE20100606_042552_000000432090_00076_43216_6862.N1	06-JUN-2010 04:25:52	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	43216	No
63	GOM_TRA_1PNPDE20100606_043309_000000412090_00076_43216_6863.N1	06-JUN-2010 04:33:09	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	43216	No
64	GOM_TRA_1PNPDE20100606_044400_000000482090_00076_43216_6864.N1	06-JUN-2010 04:44:00	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43216	No
65	GOM_TRA_1PNPDE20100606_044935_000000382090_00076_43216_6861.N1	06-JUN-2010 04:49:35	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	43216	No
66	GOM_TRA_1PNPDE20100606_045516_000000372090_00076_43216_6862.N1	06-JUN-2010 04:55:16	Bright	37.000	73	57Gam1And	2.2600	13100.	74	43216	No
67	GOM_TRA_1PNPDE20100606_045735_000000582090_00076_43216_6863.N1	06-JUN-2010 04:57:35	Bright	58.000	53	43Bet And	2.0480	3300.0	116	43216	No
68	GOM_TRA_1PNPDE20100606_050025_000000292090_00076_43216_6864.N1	06-JUN-2010 05:00:25	Twilight	29.000	58	21Alp And	2.0730	11000.	58	43216	No

69	GOM_TRA_1PNPDE20100606_050141_000000432090_00076_43216_6865.N1	06-JUN-2010 05:01:41	Twilight	42.500	105	6Bet Ari	2.6450	8900.0	85	43216	No
70	GOM_TRA_1PNPDE20100606_050547_000000352090_00076_43216_6866.N1	06-JUN-2010 05:05:47	Dark	35.000	140	88Gam Peg	2.8340	26000.	70	43216	No
71	GOM_TRA_1PNPDE20100606_051454_000000512090_00076_43216_6867.N1	06-JUN-2010 05:14:54	Dark	50.500	52	16Bet Cet	2.0370	4500.0	101	43216	No
72	GOM_TRA_1PNPDE20100606_052130_000000472090_00076_43216_6868.N1	06-JUN-2010 05:21:30	Dark	46.500	84	Alp Phe	2.3970	4500.0	93	43216	No
73	GOM_TRA_1PNPDE20100606_052423_000000622090_00076_43216_6869.N1	06-JUN-2010 05:24:23	Dark	61.500	18	24Alp PsA	1.1660	9700.0	123	43216	No
74	GOM_TRA_1PNPDE20100606_052710_000000492090_00077_43217_6870.N1	06-JUN-2010 05:27:10	Dark	48.500	63	Bet Gru	2.1500	2800.0	97	43217	No
75	GOM_TRA_1PNPDE20100606_052908_000000472090_00077_43217_6871.N1	06-JUN-2010 05:29:08	Dark	46.500	31	Alp Gru	1.7340	15200.	93	43217	No
76	GOM_TRA_1PNPDE20100606_053347_000000442090_00077_43217_6872.N1	06-JUN-2010 05:33:47	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	43217	No
77	GOM_TRA_1PNPDE20100606_054236_000000412090_00077_43217_6873.N1	06-JUN-2010 05:42:36	Straylight	40.500	40	The Sco	1.8590	7100.0	81	43217	No
78	GOM_TRA_1PNPDE20100606_054422_000000492090_00077_43217_6874.N1	06-JUN-2010 05:44:22	Tw_i_and_stray	49.000	25	35Lam Sco	1.6200	28000.	98	43217	No
79	GOM_TRA_1PNPDE20100606_054800_000000442090_00077_43217_6875.N1	06-JUN-2010 05:48:00	Bright	44.000	136	23Tau Sco	2.8220	30000.	88	43217	No
80	GOM_TRA_1PNPDE20100606_055128_000000452090_00077_43217_6876.N1	06-JUN-2010 05:51:28	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	43217	No
81	GOM_TRA_1PNPDE20100606_055316_000000392090_00077_43217_6877.N1	06-JUN-2010 05:53:16	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	43217	No
82	GOM_TRA_1PNPDE20100606_055525_000000382090_00077_43217_6878.N1	06-JUN-2010 05:55:25	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	43217	No
83	GOM_TRA_1PNPDE20100606_060310_000000412090_00077_43217_6879.N1	06-JUN-2010 06:03:10	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	43217	No
84	GOM_TRA_1PNPDE20100606_060628_000000422090_00077_43217_6880.N1	06-JUN-2010 06:06:28	Bright	41.500	133	40Zet Her	2.8070	6000.0	83	43217	No
85	GOM_TRA_1PNPDE20100606_061344_000000452090_00077_43217_6881.N1	06-JUN-2010 06:13:44	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	43217	No
86	GOM_TRA_1PNPDE20100606_062435_000000482090_00077_43217_6882.N1	06-JUN-2010 06:24:35	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43217	No
87	GOM_TRA_1PNPDE20100606_204803_000000472090_00086_43226_6974.N1	06-JUN-2010 20:48:03	Straylight	47.000	40	The Sco	1.8590	7100.0	94	43226	No
88	GOM_TRA_1PNPDE20100606_204949_000000462090_00086_43226_6975.N1	06-JUN-2010 20:49:49	Tw_i_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	43226	No
89	GOM_TRA_1PNPDE20100606_205127_000000452090_00086_43226_6976.N1	06-JUN-2010 20:51:27	Tw_i_and_stray	45.000	75	26Eps Sco	2.2910	4250.0	90	43226	No
90	GOM_TRA_1PNPDE20100606_205325_000000552090_00086_43226_6977.N1	06-JUN-2010 20:53:25	Bright	55.000	136	23Tau Sco	2.8220	30000.	110	43226	No
91	GOM_TRA_1PNPDE20100606_205652_000000432090_00086_43226_6978.N1	06-JUN-2010 20:56:52	Bright	43.000	86	35Eta Oph	2.4300	10200.	86	43226	No
92	GOM_TRA_1PNPDE20100606_205840_000000402090_00086_43226_6979.N1	06-JUN-2010 20:58:40	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	43226	No
93	GOM_TRA_1PNPDE20100606_210049_000000392090_00086_43226_6980.N1	06-JUN-2010 21:00:49	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	43226	No
94	GOM_TRA_1PNPDE20100606_210831_000000402090_00086_43226_6981.N1	06-JUN-2010 21:08:31	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	43226	No
95	GOM_TRA_1PNPDE20100606_211147_000000412090_00086_43226_6982.N1	06-JUN-2010 21:11:47	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	43226	No
96	GOM_TRA_1PNPDE20100606_211903_000000442090_00086_43226_6983.N1	06-JUN-2010 21:19:03	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	43226	No
97	GOM_TRA_1PNPDE20100606_212953_000000492090_00086_43226_6984.N1	06-JUN-2010 21:29:53	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	43226	No
98	GOM_TRA_1PNPDE20100606_213533_000000572090_00086_43226_6985.N1	06-JUN-2010 21:35:33	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	43226	No
99	GOM_TRA_1PNPDE20100606_214116_000000382090_00086_43226_6986.N1	06-JUN-2010 21:41:16	Bright	37.500	73	57Gam1And	2.2600	13100.	75	43226	No
100	GOM_TRA_1PNPDE20100606_214335_000000602090_00086_43226_6987.N1	06-JUN-2010 21:43:35	Bright	60.000	53	43Bet And	2.0480	3300.0	120	43226	No
101	GOM_TRA_1PNPDE20100606_214743_000000392090_00086_43226_6988.N1	06-JUN-2010 21:47:43	Twilight	39.000	105	6Bet Ari	2.6450	8900.0	78	43226	No
102	GOM_TRA_1PNPDE20100606_220100_000000522090_00086_43226_6999.N1	06-JUN-2010 22:01:00	Dark	51.500	52	16Bet Cet	2.0370	4500.0	103	43226	No
103	GOM_TRA_1PNPDE20100606_220736_000000432090_00086_43226_7000.N1	06-JUN-2010 22:07:36	Dark	43.000	84	Alp Phe	2.3970	4500.0	86	43226	No
104	GOM_TRA_1PNPDE20100606_221318_000000592090_00087_43227_7001.N1	06-JUN-2010 22:13:18	Dark	58.500	63	Bet Gru	2.1500	2800.0	117	43227	No
105	GOM_TRA_1PNPDE20100606_221517_000000502090_00087_43227_7002.N1	06-JUN-2010 22:15:17	Dark	49.500	31	Alp Gru	1.7340	15200.	99	43227	No
106	GOM_TRA_1PNPDE20100606_221952_000000432090_00087_43227_7003.N1	06-JUN-2010 22:19:52	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43227	No
107	GOM_TRA_1PNPDE20100606_222840_000000452090_00087_43227_7004.N1	06-JUN-2010 22:28:40	Straylight	44.500	40	The Sco	1.8590	7100.0	89	43227	No
108	GOM_TRA_1PNPDE20100606_223025_000000462090_00087_43227_7005.N1	06-JUN-2010 22:30:25	Tw_i_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	43227	No
109	GOM_TRA_1PNPDE20100606_223203_000000442090_00087_43227_7006.N1	06-JUN-2010 22:32:03	Tw_i_and_stray	44.000	75	26Eps Sco	2.2910	4250.0	88	43227	No
110	GOM_TRA_1PNPDE20100606_223401_000000412090_00087_43227_7007.N1	06-JUN-2010 22:34:01	Bright	40.500	136	23Tau Sco	2.8220	30000.	81	43227	No
111	GOM_TRA_1PNPDE20100606_223728_000000442090_00087_43227_7008.N1	06-JUN-2010 22:37:28	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	43227	No
112	GOM_TRA_1PNPDE20100606_223916_000000412090_00087_43227_7009.N1	06-JUN-2010 22:39:16	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43227	No
113	GOM_TRA_1PNPDE20100606_224124_000000382090_00087_43227_7010.N1	06-JUN-2010 22:41:24	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	43227	No
114	GOM_TRA_1PNPDE20100606_224907_000000392090_00087_43227_7011.N1	06-JUN-2010 22:49:07	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	43227	No
115	GOM_TRA_1PNPDE20100606_225223_000000412090_00087_43227_7012.N1	06-JUN-2010 22:52:23	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	43227	No
116	GOM_TRA_1PNPDE20100606_225938_000000432090_00087_43227_7013.N1	06-JUN-2010 22:59:38	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	43227	No
117	GOM_TRA_1PNPDE20100606_231028_000000482090_00087_43227_7014.N1	06-JUN-2010 23:10:28	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43227	No
118	GOM_TRA_1PNPDE20100606_231609_000000412090_00087_43227_7015.N1	06-JUN-2010 23:16:09	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	43227	No
119	GOM_TRA_1PNPDE20100606_232152_000000372090_00087_43227_7016.N1	06-JUN-2010 23:21:52	Bright	37.000	73	57Gam1And	2.2600	13100.	74	43227	No
120	GOM_TRA_1PNPDE20100606_232411_000000572090_00087_43227_7017.N1	06-JUN-2010 23:24:11	Bright	57.000	53	43Bet And	2.0480	3300.0	114	43227	No
121	GOM_TRA_1PNPDE20100606_232819_000000432090_00087_43227_7018.N1	06-JUN-2010 23:28:19	Twilight	43.000	105	6Bet Ari	2.6450	8900.0	86	43227	No
122	GOM_TRA_1PNPDE20100606_234137_000000532090_00087_43227_7016.N1	06-JUN-2010 23:41:37	Dark	52.500	52	16Bet Cet	2.0370	4500.0	105	43227	No
123	GOM_TRA_1PNPDE20100606_234812_000000462090_00087_43227_7017.N1	06-JUN-2010 23:48:12	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	43227	No
124	GOM_TRA_1PNPDE20100606_235355_000000592090_00088_43228_7018.N1	06-JUN-2010 23:53:55	Dark	58.500	63	Bet Gru	2.1500	2800.0	117	43228	No
125	GOM_TRA_1PNPDE20100606_235553_000000472090_00088_43228_7019.N1	06-JUN-2010 23:55:53	Dark	46.500	31	Alp Gru	1.7340	15200.	93	43228	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).

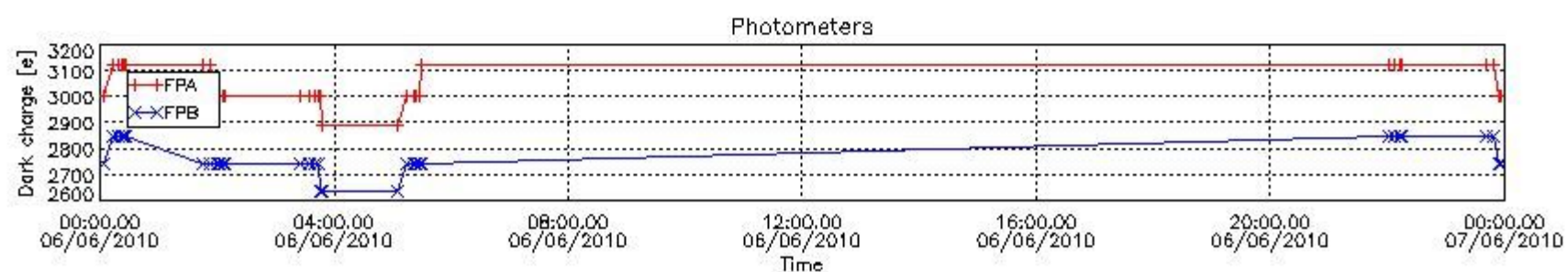
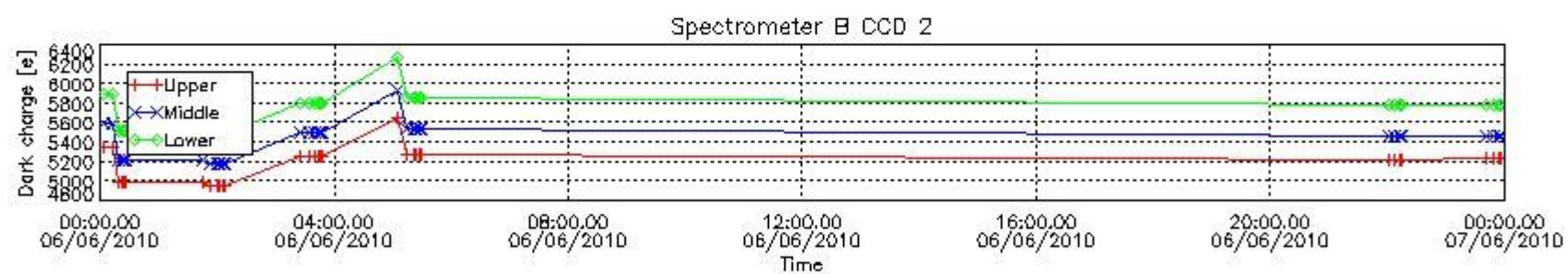
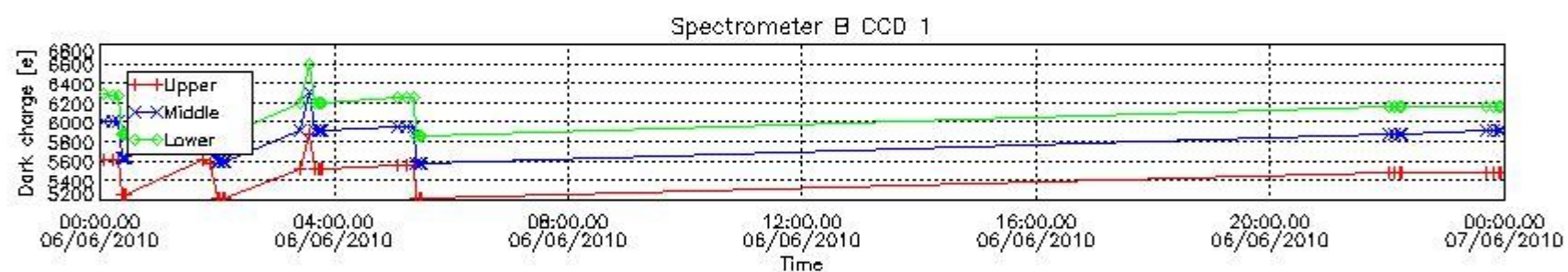
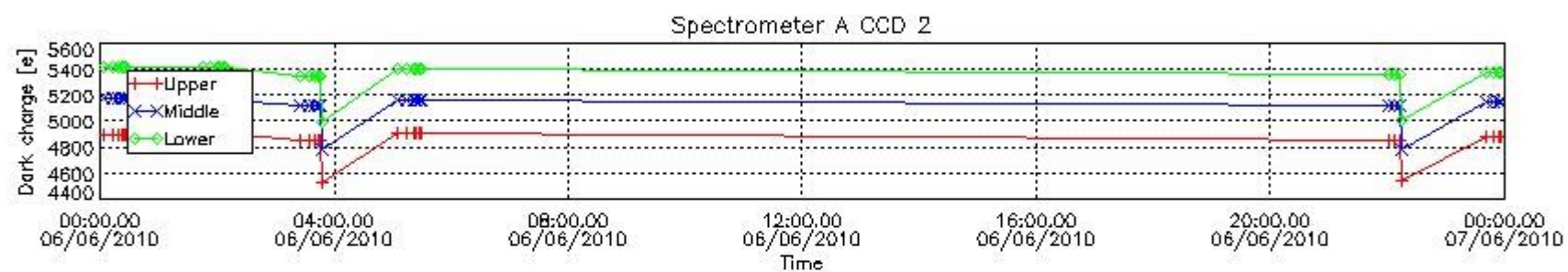
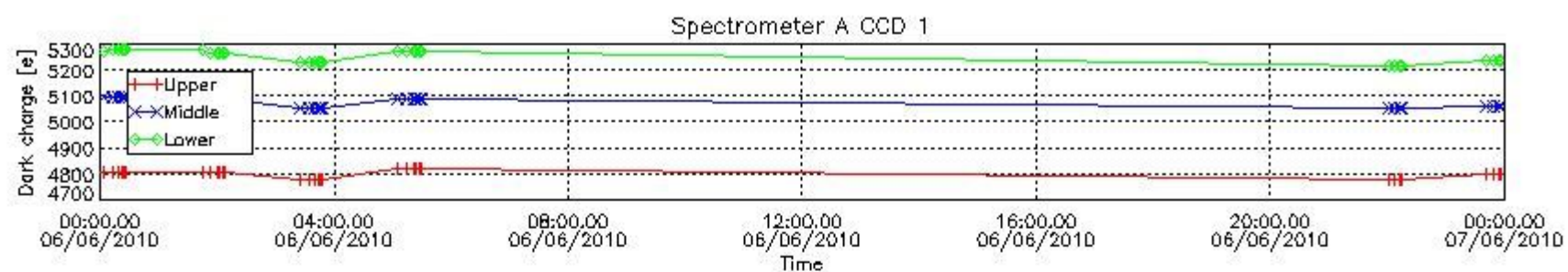
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100606_204803_000000472090_00086_43226_6974.N1	DC map used
GOM_TRA_1PNPDE20100606_204949_000000462090_00086_43226_6975.N1	DC map used
GOM_TRA_1PNPDE20100606_205127_000000452090_00086_43226_6976.N1	DC map used
GOM_TRA_1PNPDE20100606_205325_000000552090_00086_43226_6977.N1	DC map used
GOM_TRA_1PNPDE20100606_205652_000000432090_00086_43226_6978.N1	DC map used
GOM_TRA_1PNPDE20100606_205840_000000402090_00086_43226_6979.N1	DC map used
GOM_TRA_1PNPDE20100606_210049_000000392090_00086_43226_6980.N1	DC map used
GOM_TRA_1PNPDE20100606_210831_000000402090_00086_43226_6981.N1	DC map used
GOM_TRA_1PNPDE20100606_211147_000000412090_00086_43226_6982.N1	DC map used
GOM_TRA_1PNPDE20100606_211903_000000442090_00086_43226_6983.N1	DC map used
GOM_TRA_1PNPDE20100606_212953_000000492090_00086_43226_6984.N1	DC map used
GOM_TRA_1PNPDE20100606_213533_000000572090_00086_43226_6985.N1	DC map used

GOM_TRA_1PNPDE20100606_214116_00000382090_00086_43226_6986.N1	DC map used
GOM_TRA_1PNPDE20100606_214335_00000602090_00086_43226_6987.N1	DC map used
GOM_TRA_1PNPDE20100606_214743_00000392090_00086_43226_6988.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

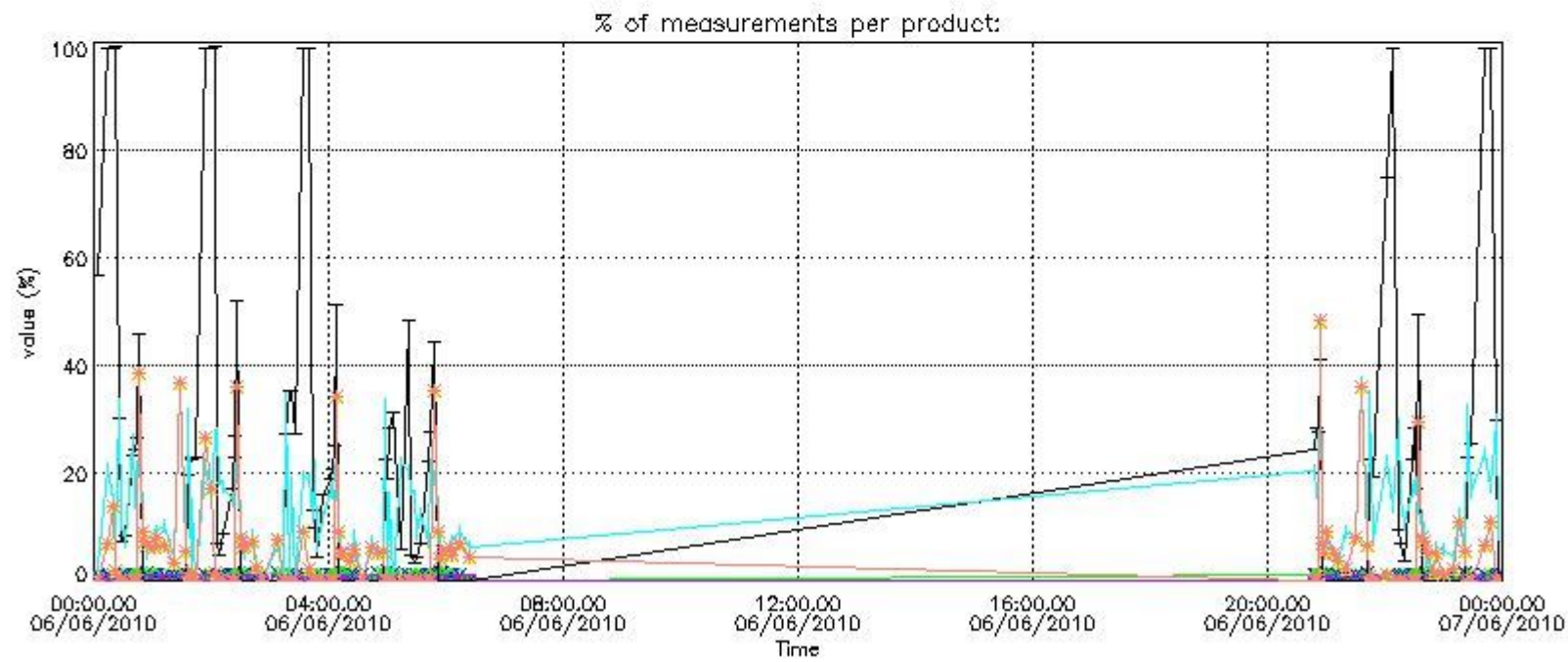
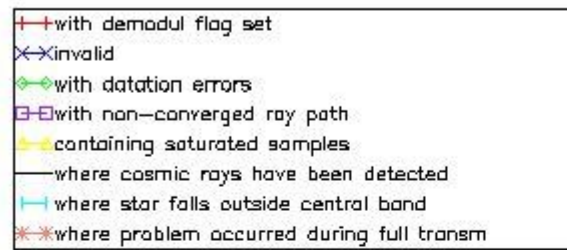
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors

(error flag in the MPH set to "0") are used.

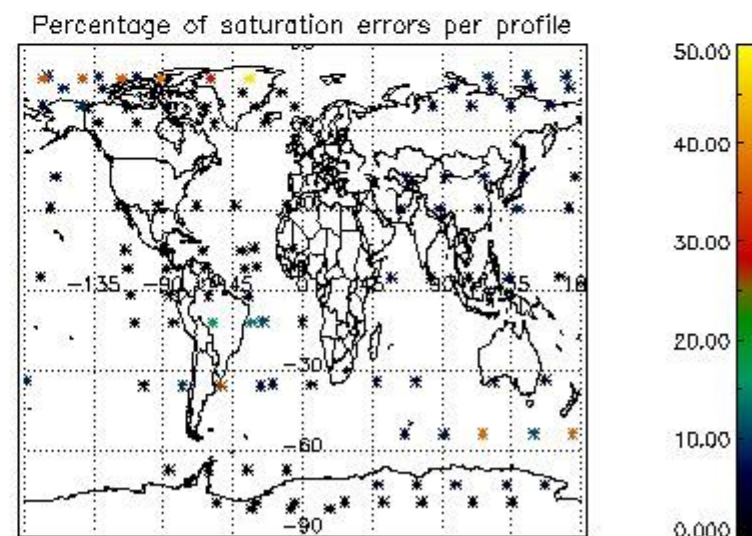
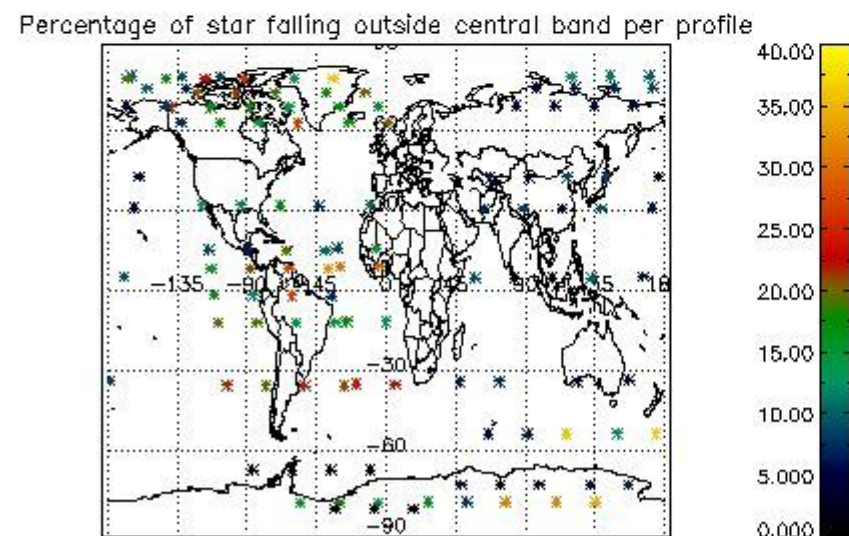
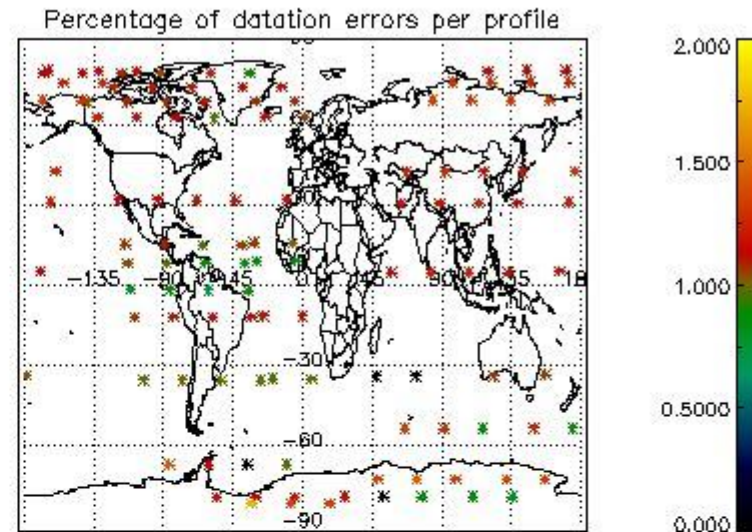
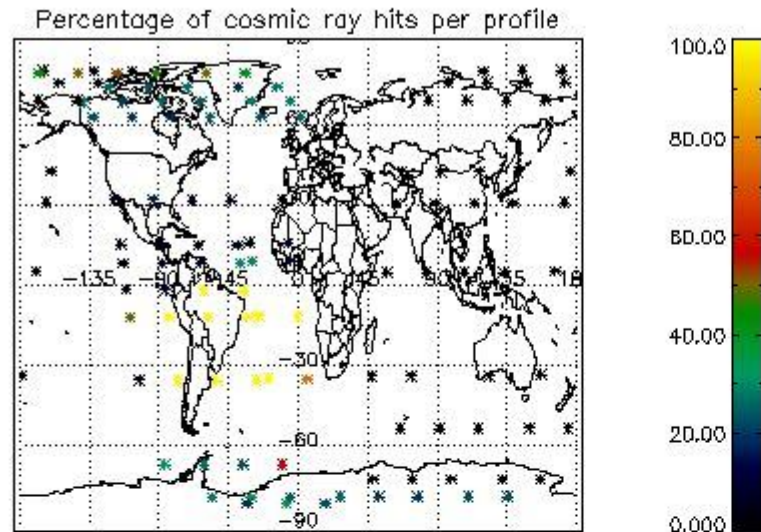
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	43.5484 %
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)



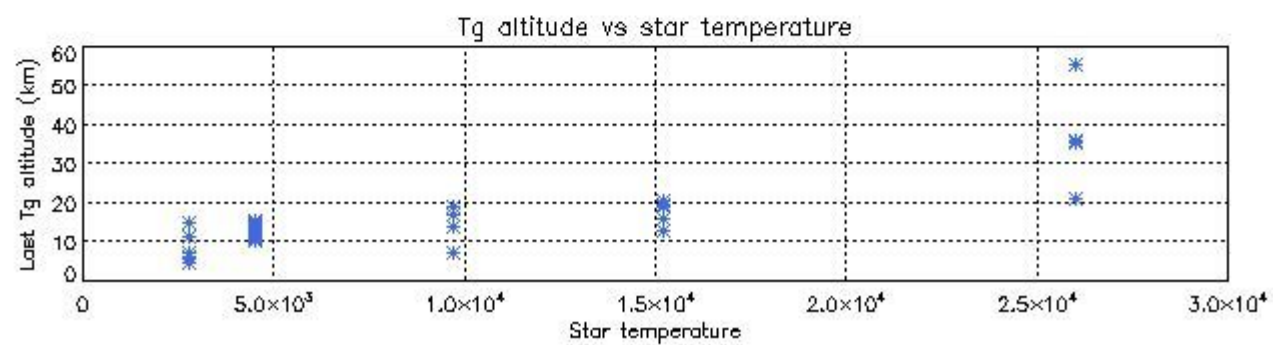
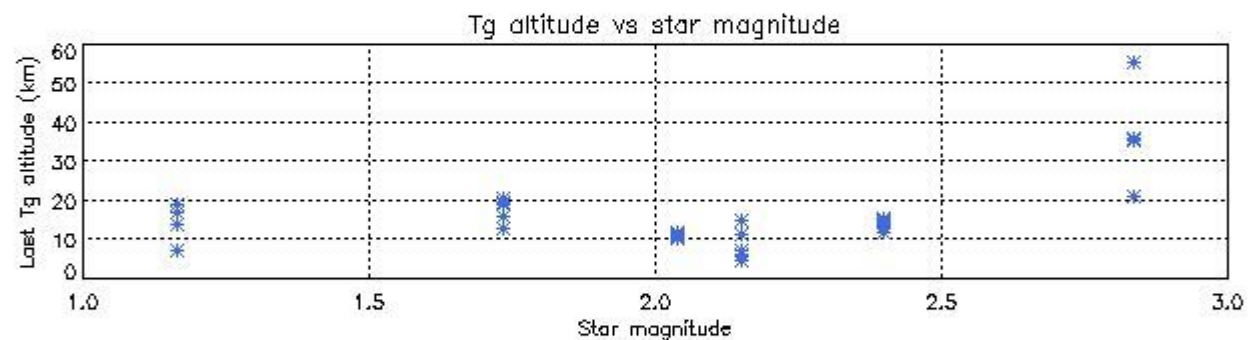
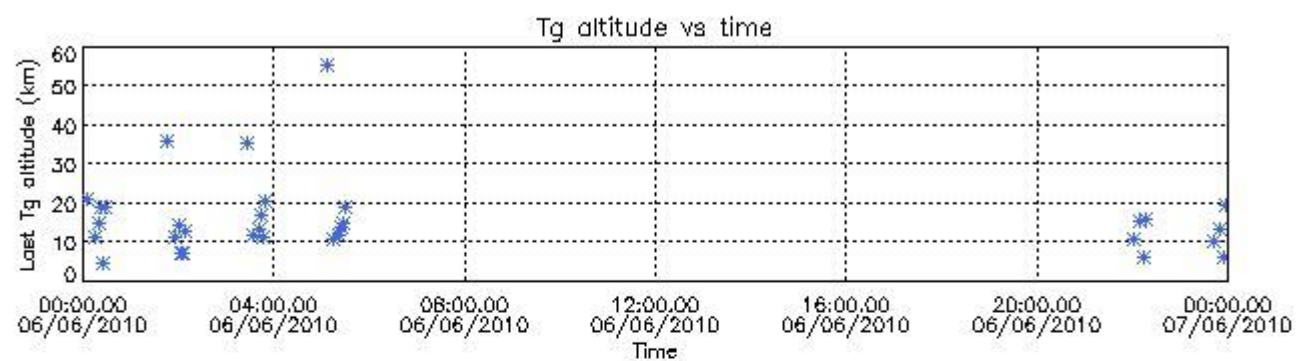
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.969	17.906	13.916
St. deviation:	10.042	6.0643	2.4077
Maximum:	55.514	27.694	18.011
Minimum:	4.4192	3.4969	11.789
Number of data:	32.000	62.000	5.0000

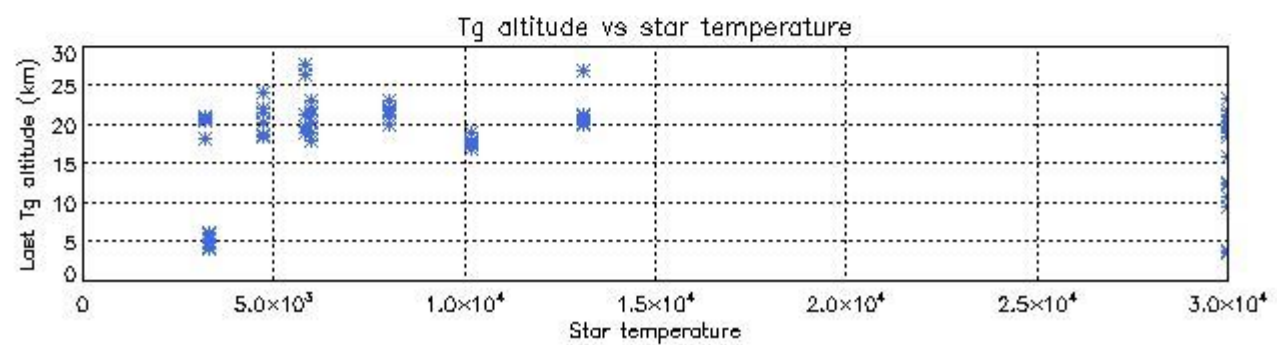
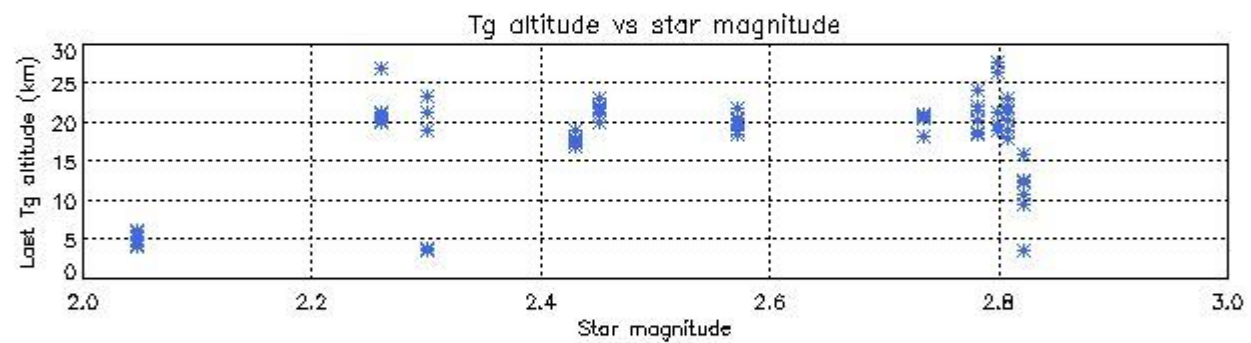
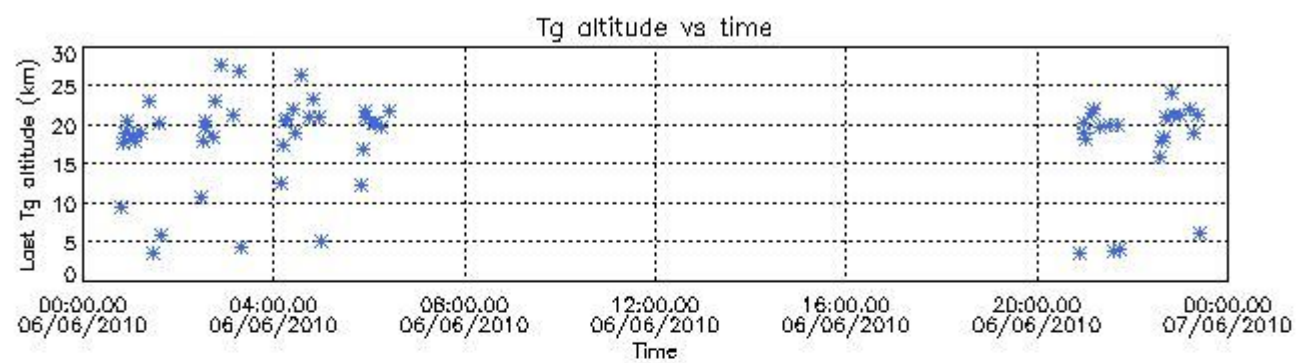
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



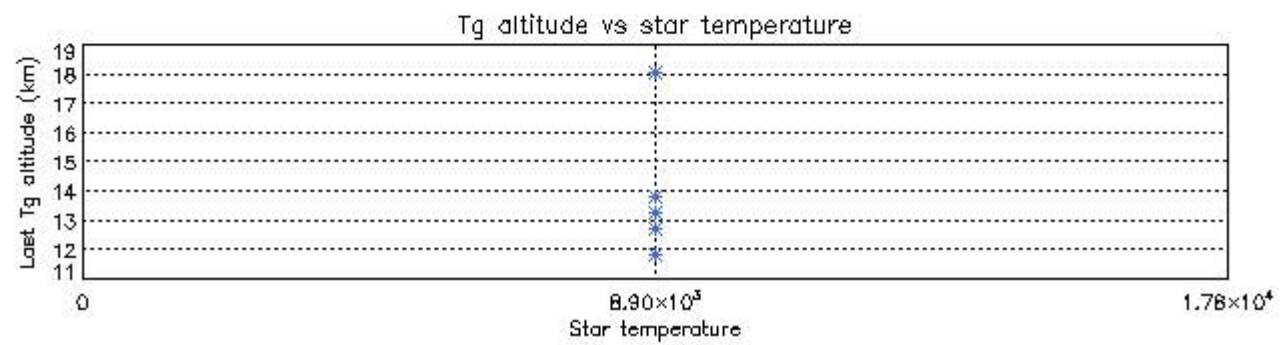
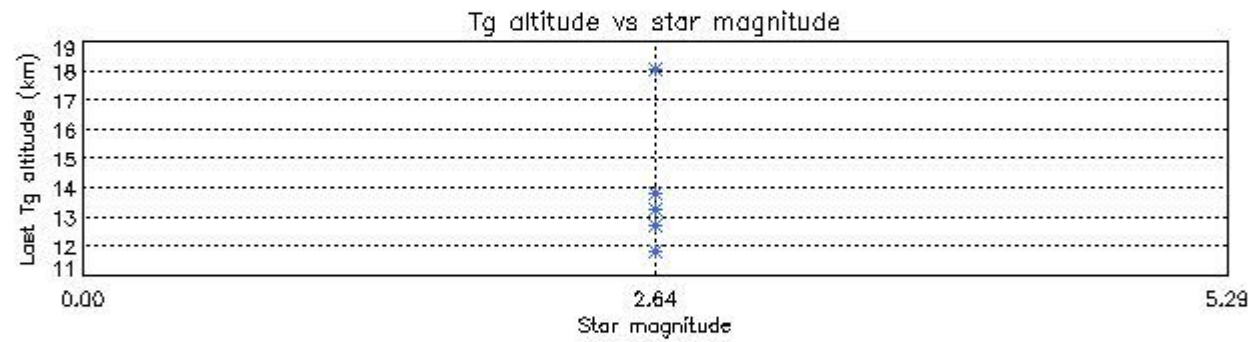
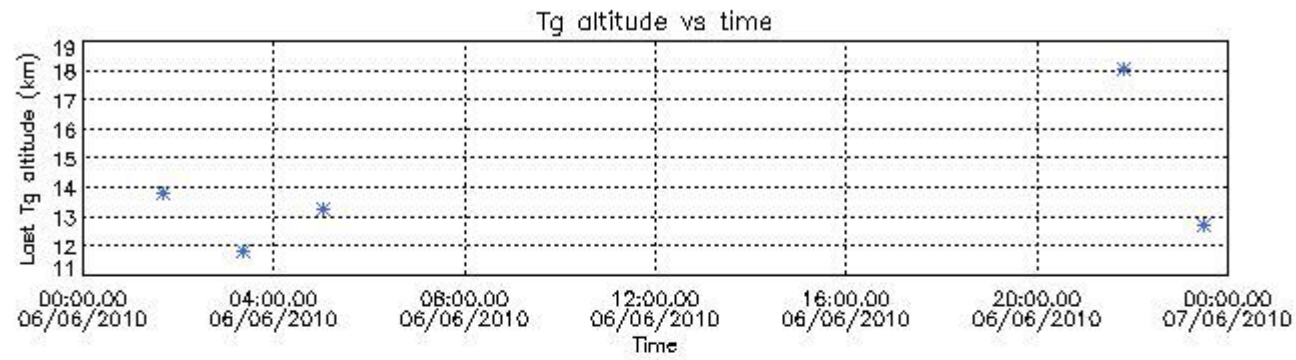
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

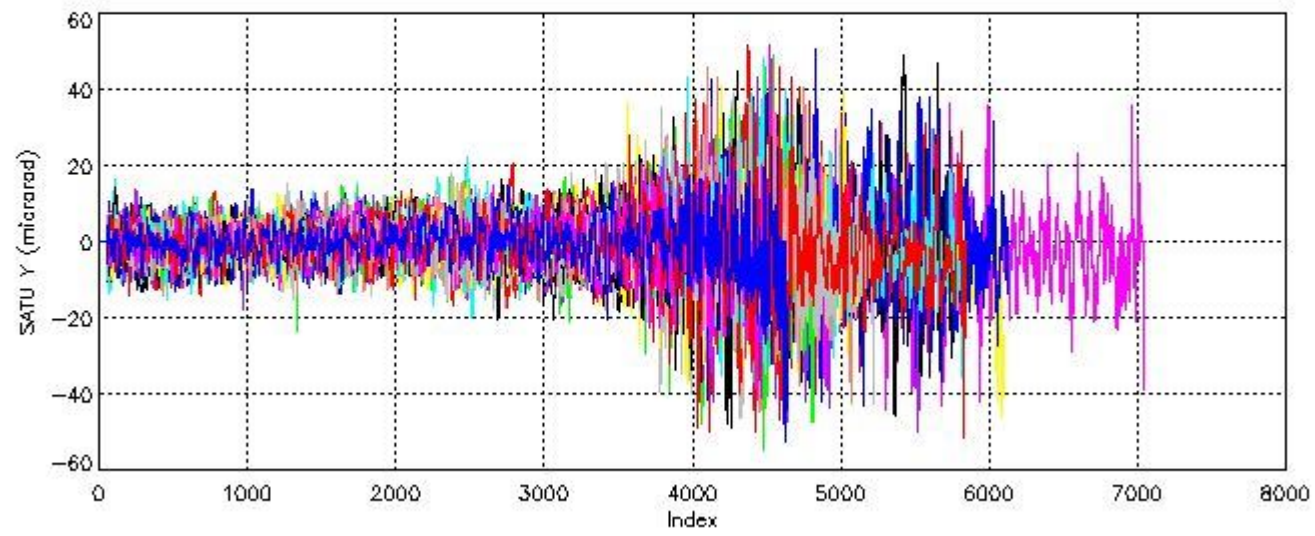
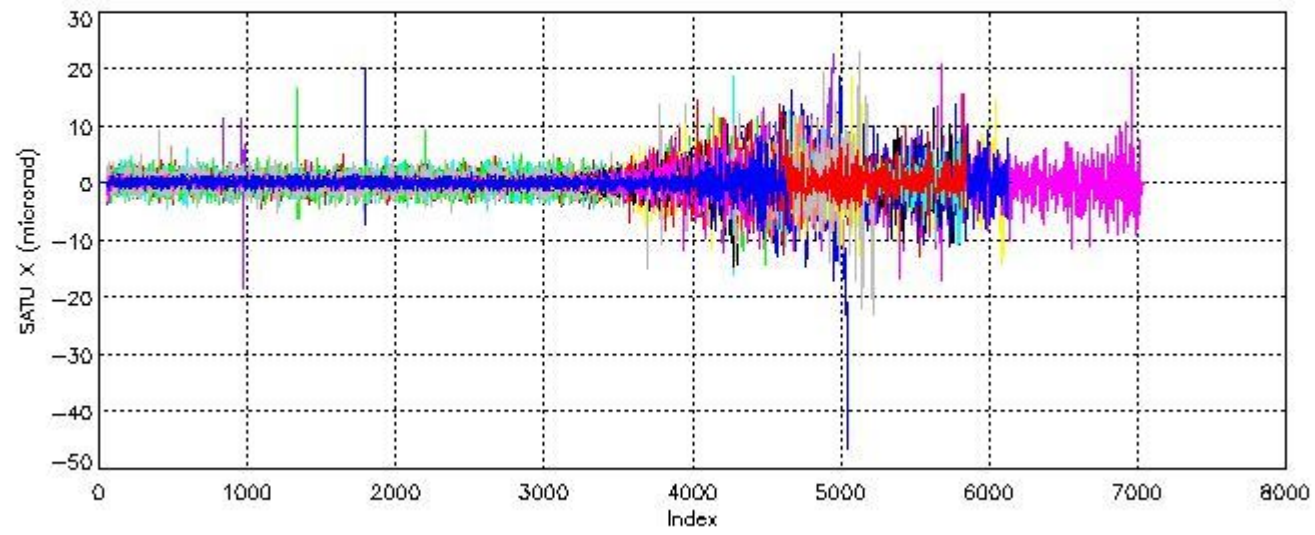


7. Star Acquisition and Tracking Unit (SATU)

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:	0.21126	-0.79189	0.18891	-0.74959
St. deviation:	0.53490	3.7552	0.80172	3.5410
Maximum:	11.300	16.100	5.2000	14.700
Minimum:	-18.400	-17.800	-5.3000	-15.800

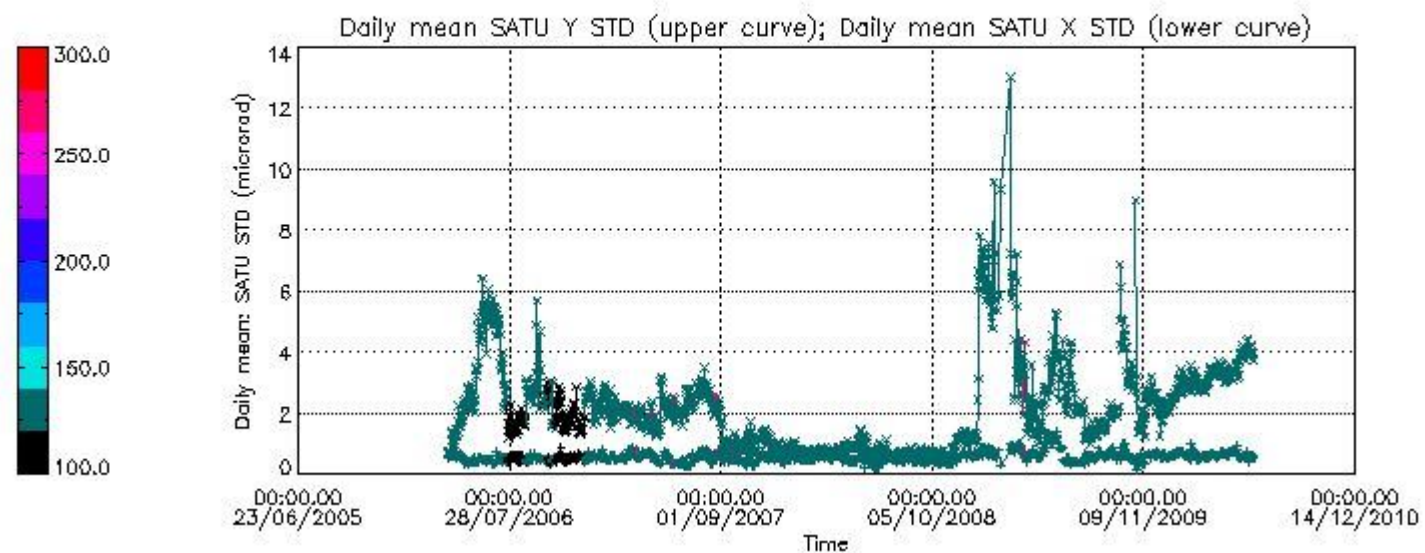
Number of data:	35200.	35200.	60350.	60350.
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

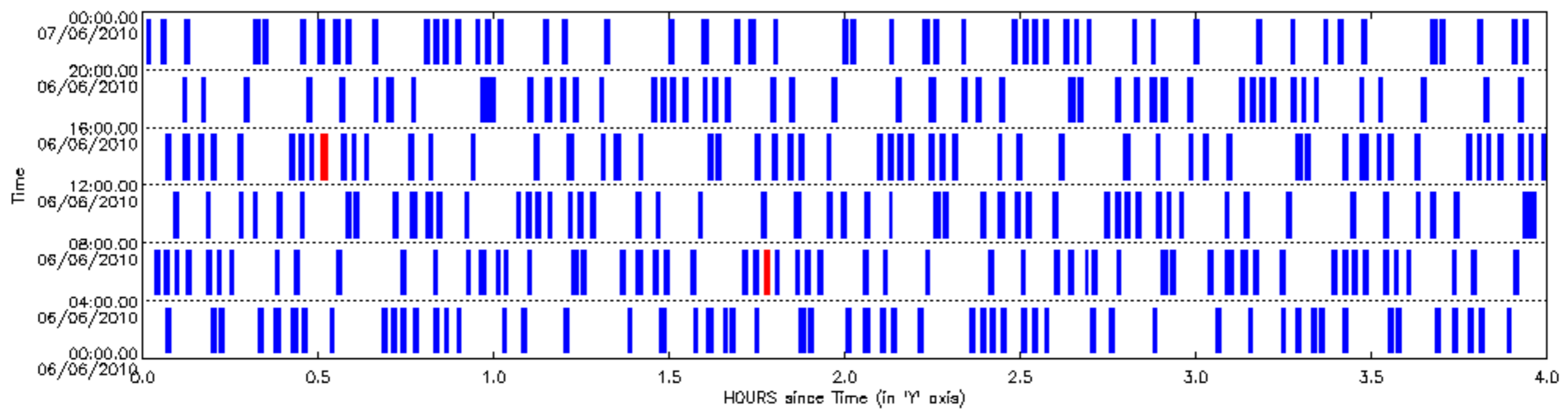
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

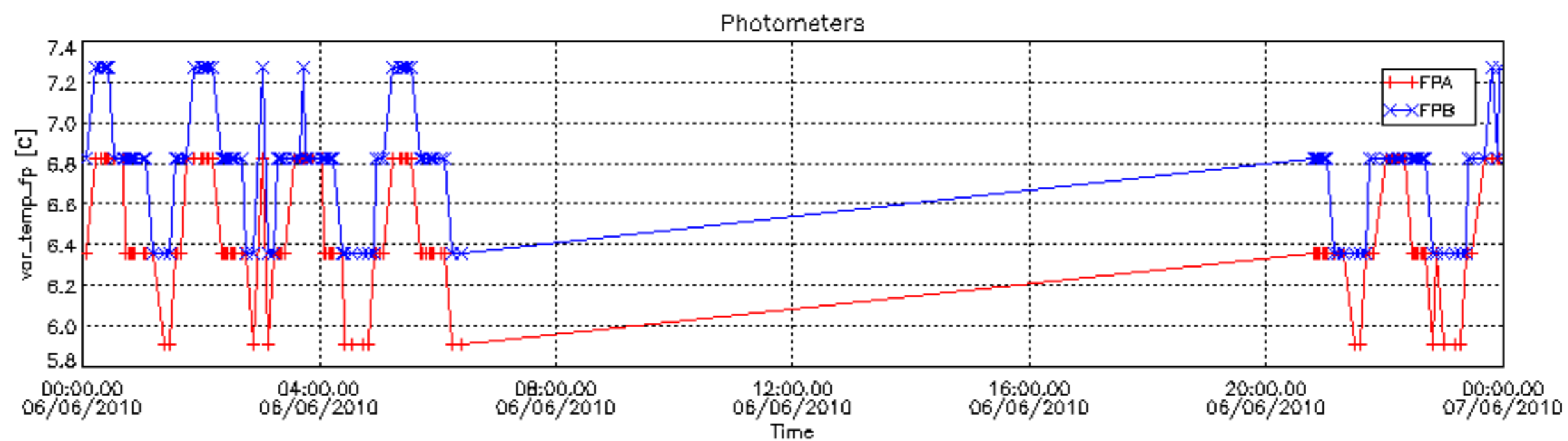
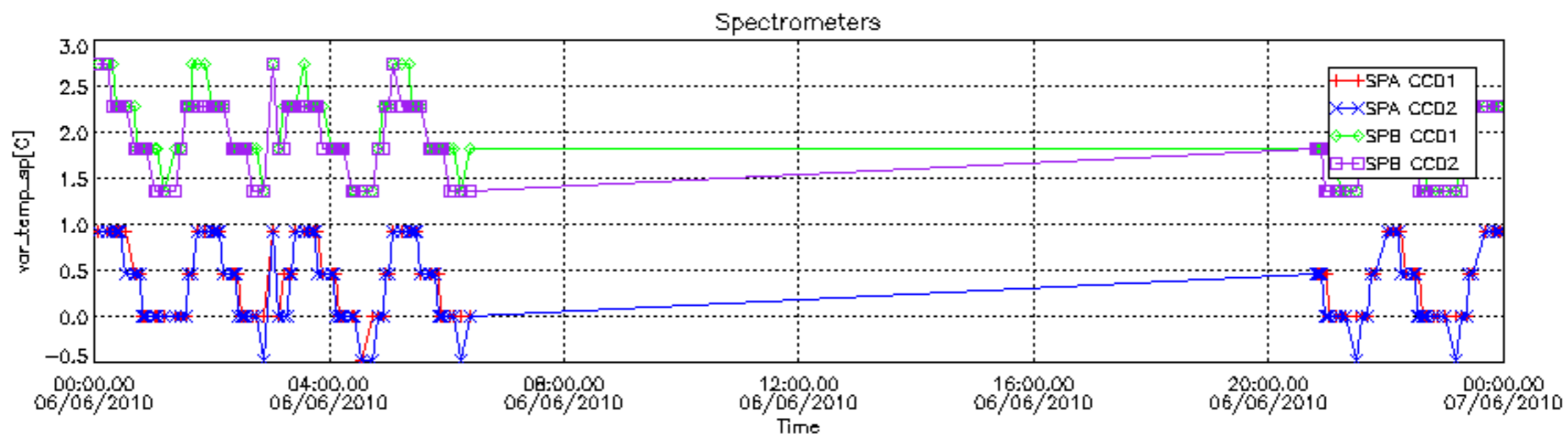


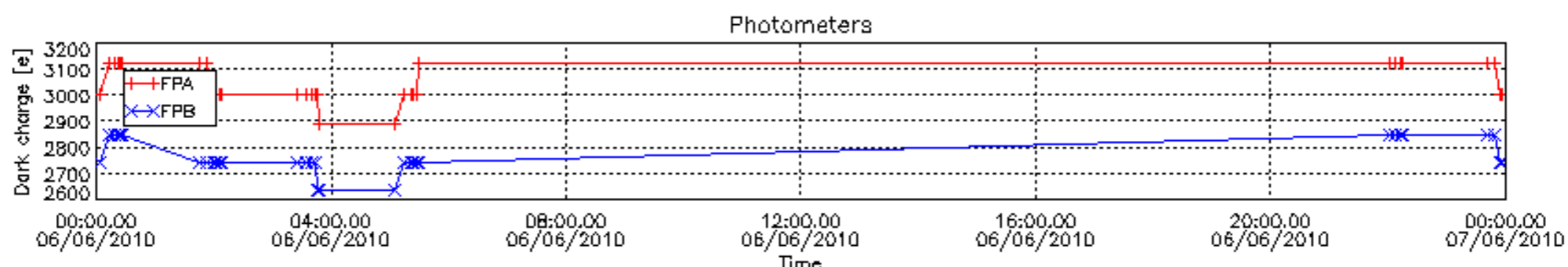
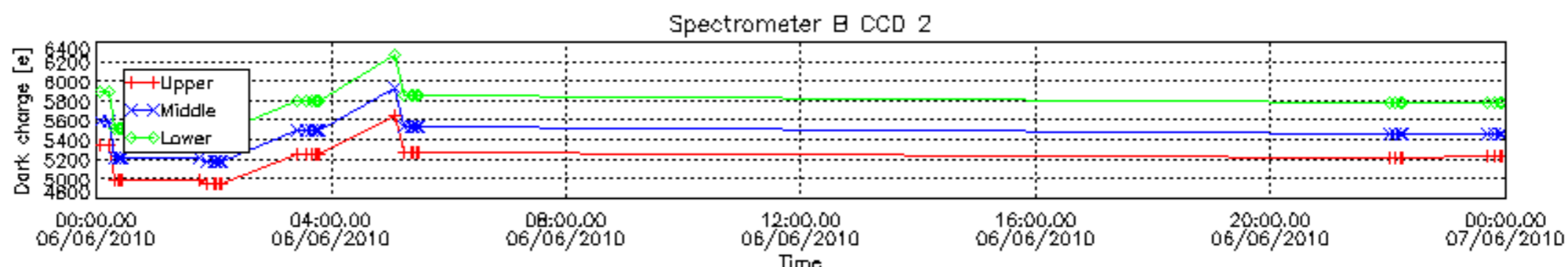
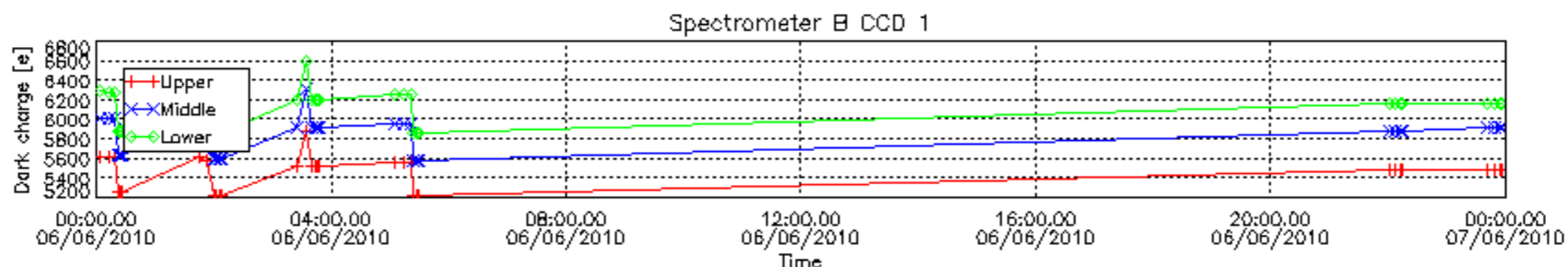
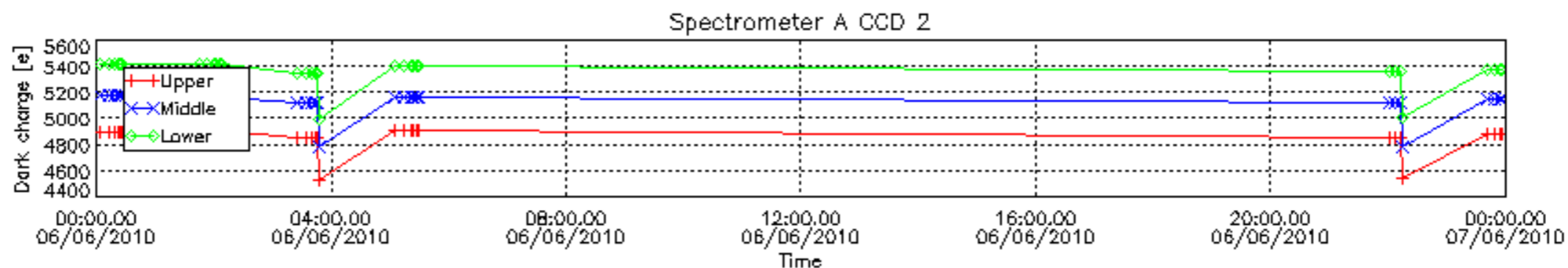
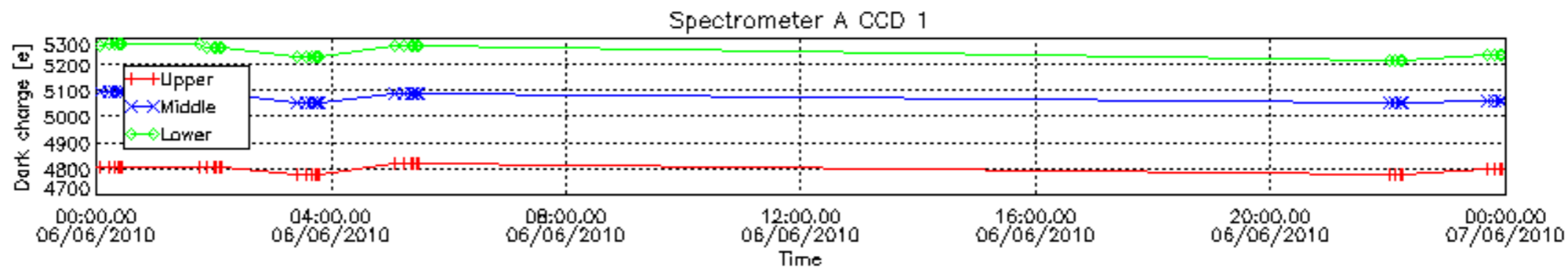
8. Auxiliary Data Files used for the production reported in section 2.4

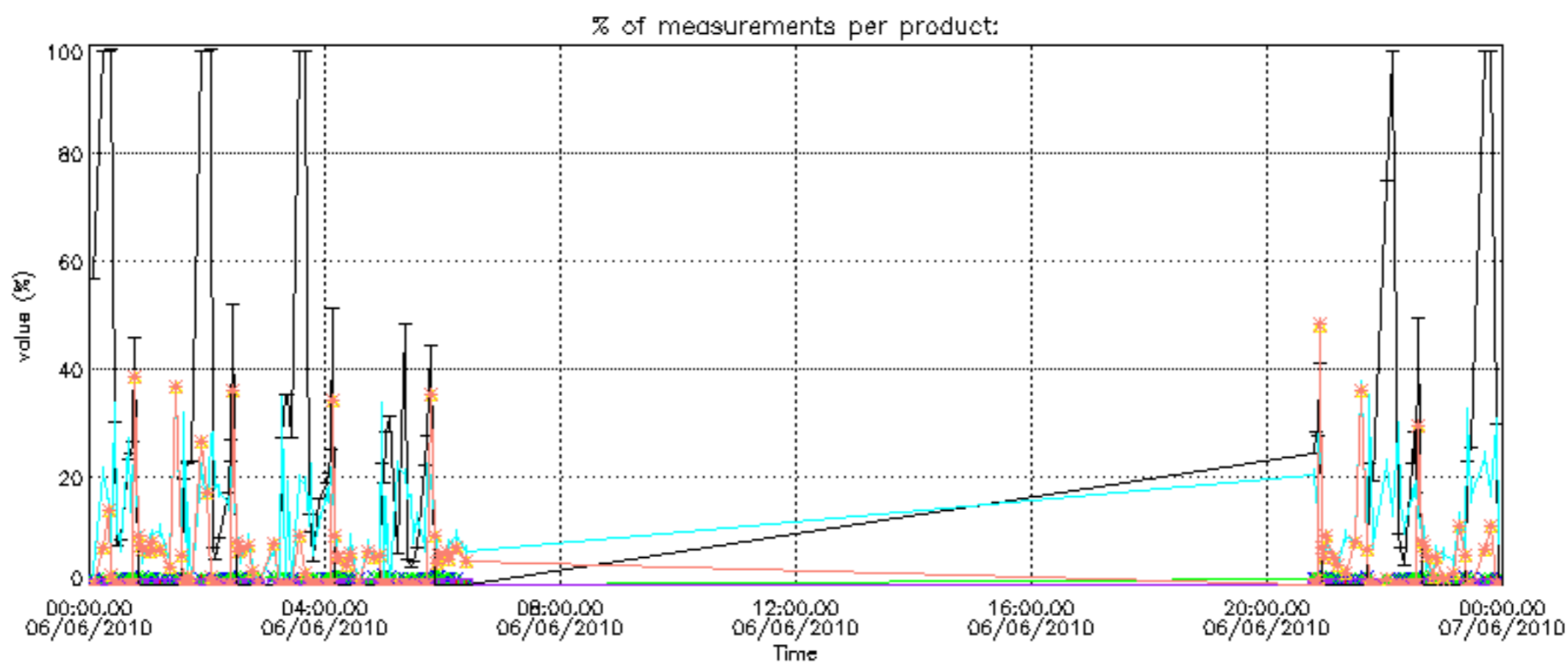
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	06-JUN-2010 00:03:57
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100604_095219_20100603_000000_20500101_000000	1	06-JUN-2010 00:03:57
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	06-JUN-2010 00:03:57
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	06-JUN-2010 00:03:57
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	06-JUN-2010 00:03:57
ECMWF_FILE	AUX_ECF_AXNECM20100605_054114_20100605_210000_20100606_090000	1	06-JUN-2010 00:03:57
ECMWF_FILE	AUX_ECF_AXNECM20100605_172935_20100606_030000_20100606_150000	41	06-JUN-2010 03:03:25
ECMWF_FILE	AUX_ECA_AXNECM20100606_051356_20100605_210000_20100606_090000	65	06-JUN-2010 04:49:35
ECMWF_FILE	AUX_ECF_AXNECM20100606_051356_20100606_150000_20100607_030000	87	06-JUN-2010 20:48:03
ECMWF_FILE	AUX_ECF_AXNECM20100606_053356_20100606_210000_20100607_090000	102	06-JUN-2010 22:01:00
OPTIONAL_ECMWF_FILE	MISSING	1	06-JUN-2010 00:03:57
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100605_222623_000057382090_00072_43212_0493.N1	1	06-JUN-2010 00:03:57
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ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100606_014258_000044632090_00074_43214_0495.N1	25	06-JUN-2010 01:53:40
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100606_030240_000057382090_00075_43215_0496.N1	41	06-JUN-2010 03:03:25
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100605_092113_20100604_195252_20100614_211905	65	06-JUN-2010 04:49:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100606_204518_000038252090_00086_43226_0498.N1	87	06-JUN-2010 20:48:03
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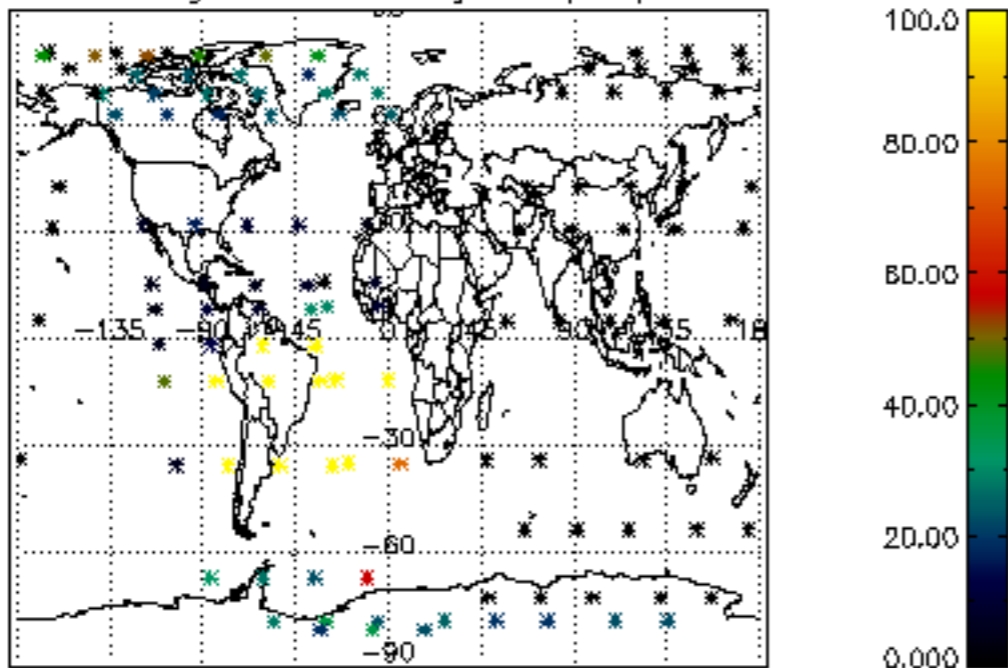




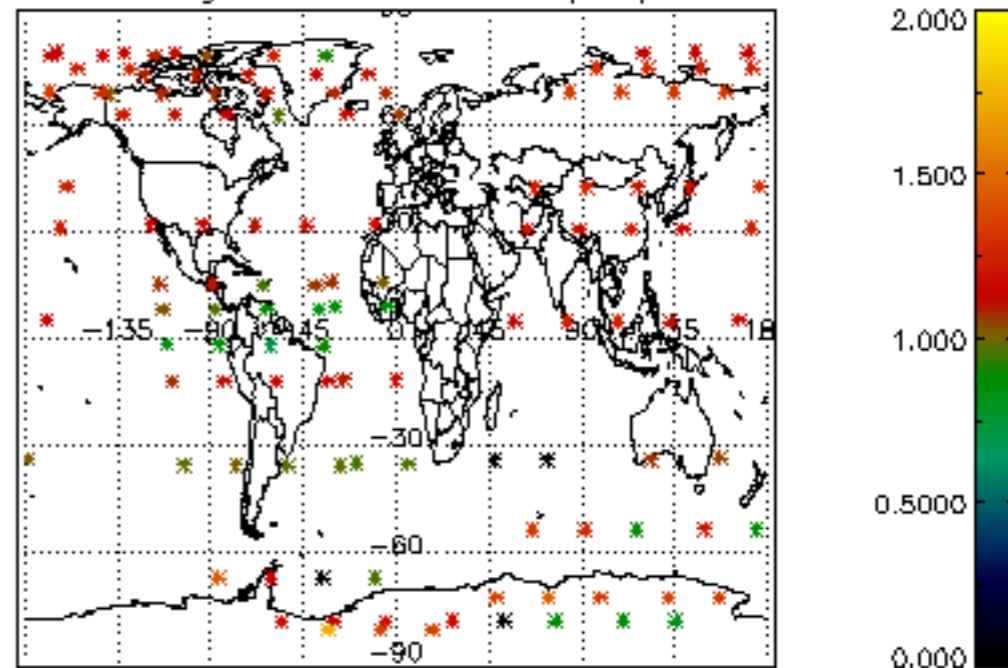




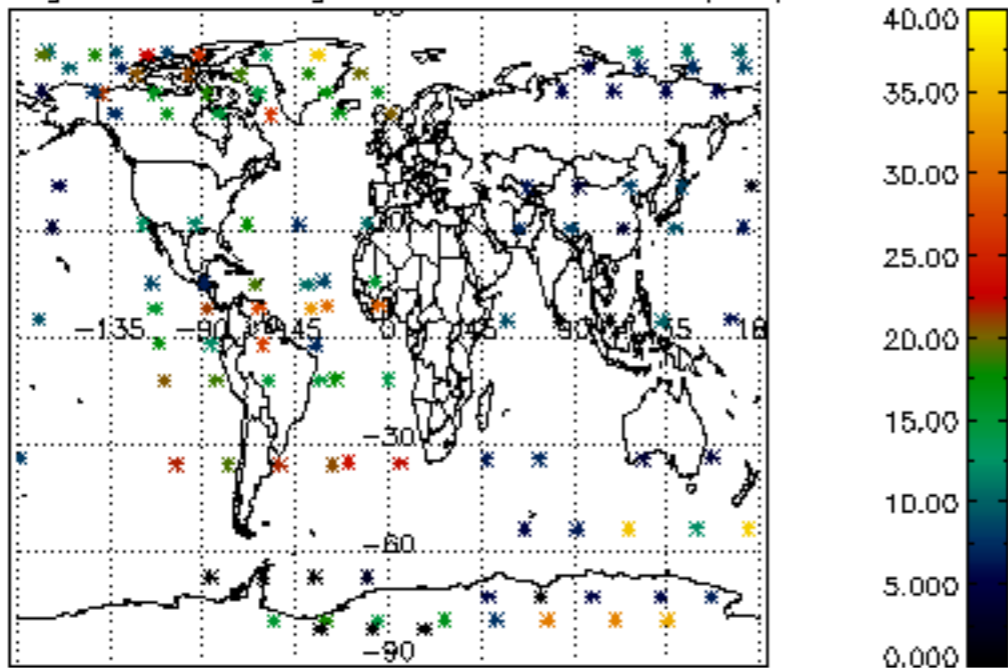
Percentage of cosmic ray hits per profile



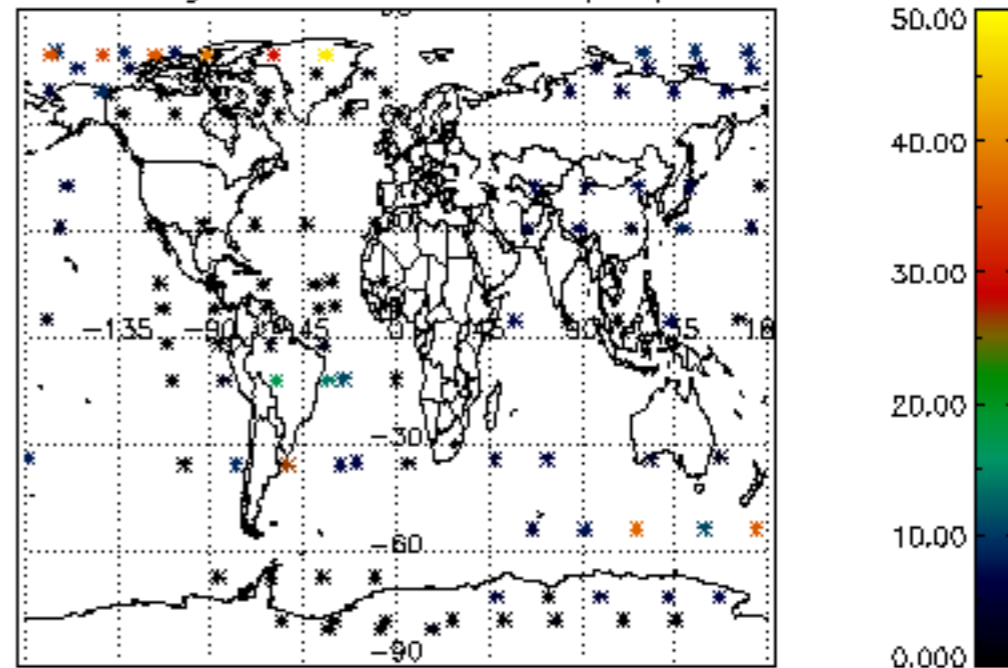
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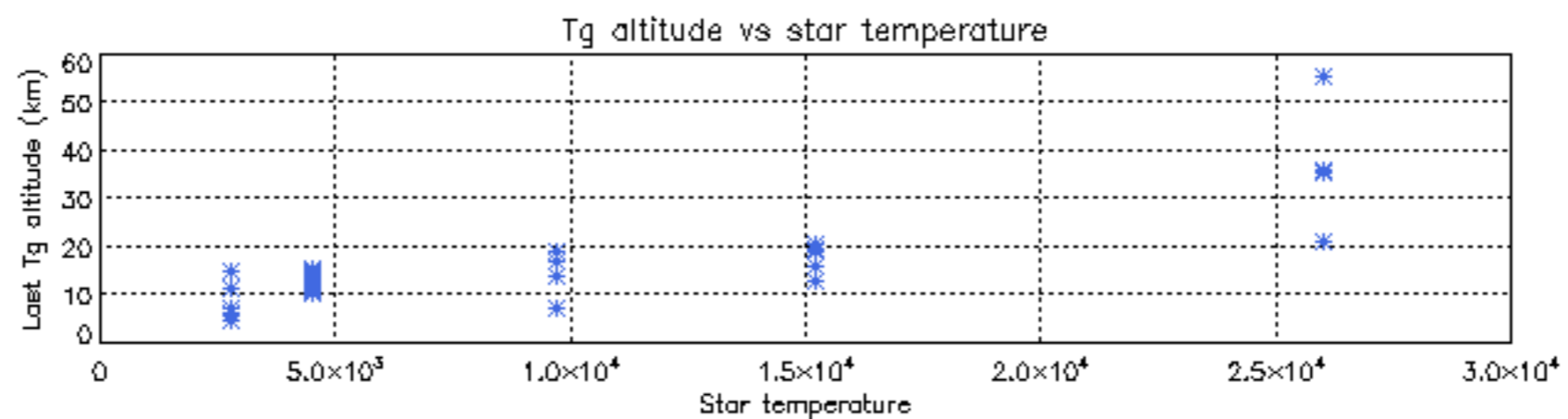
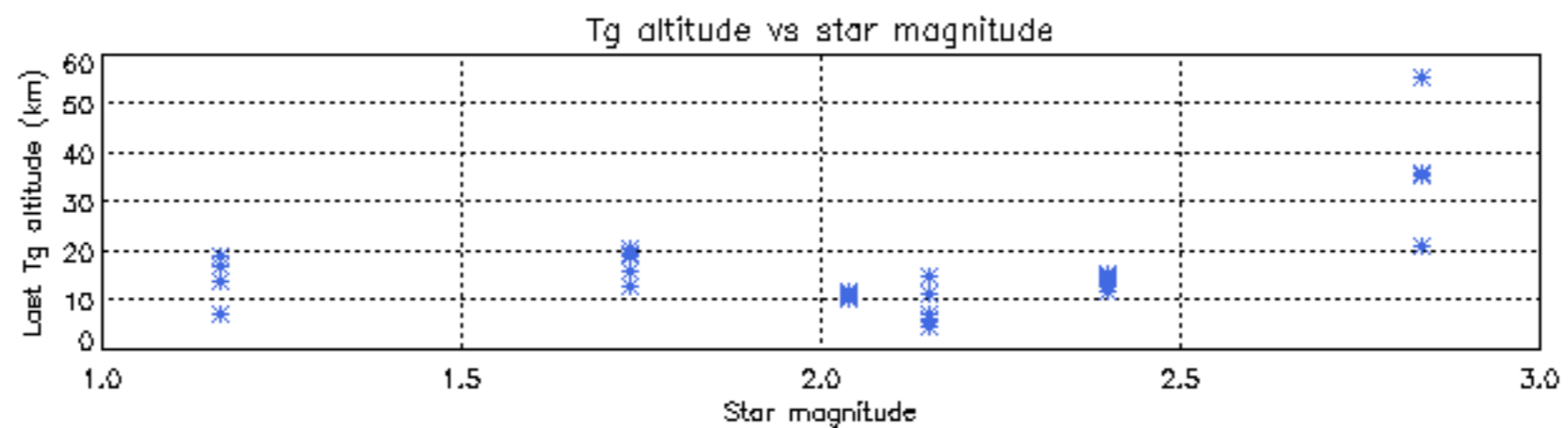
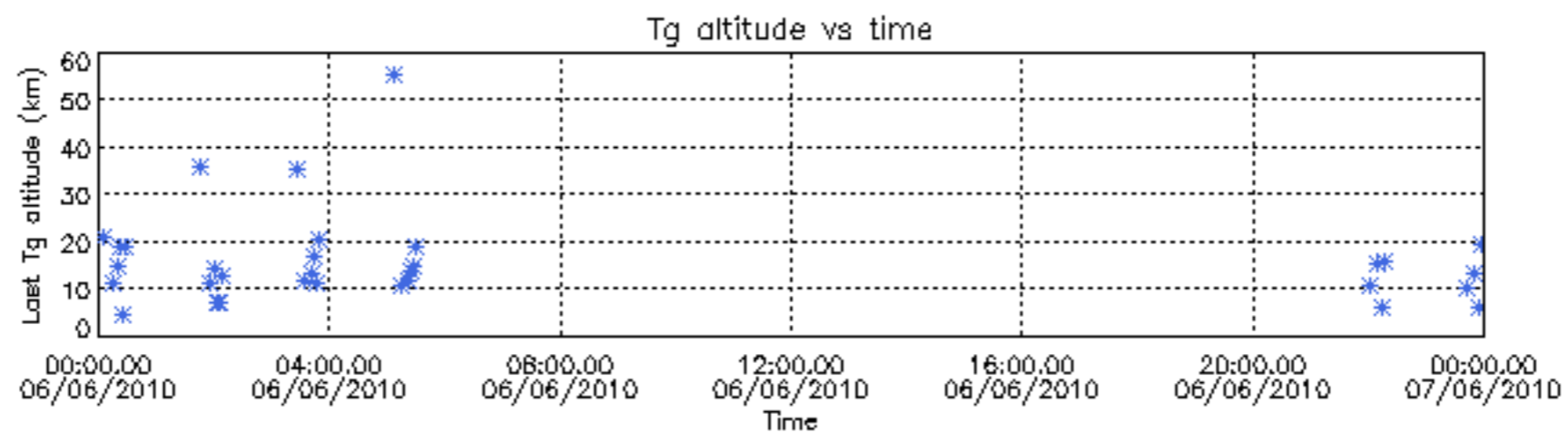
Percentage of star falling outside central band per profile



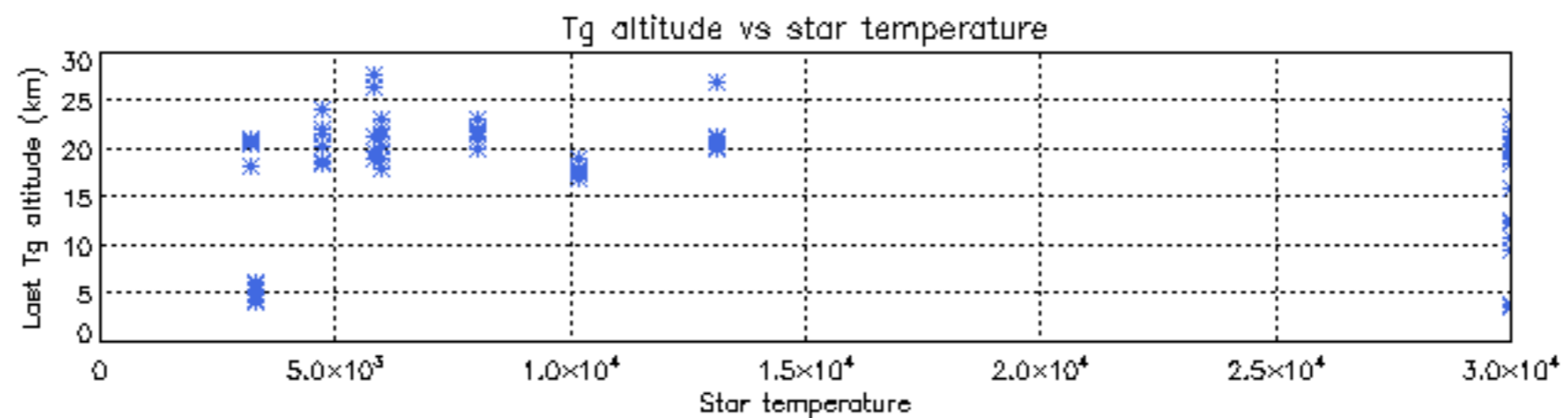
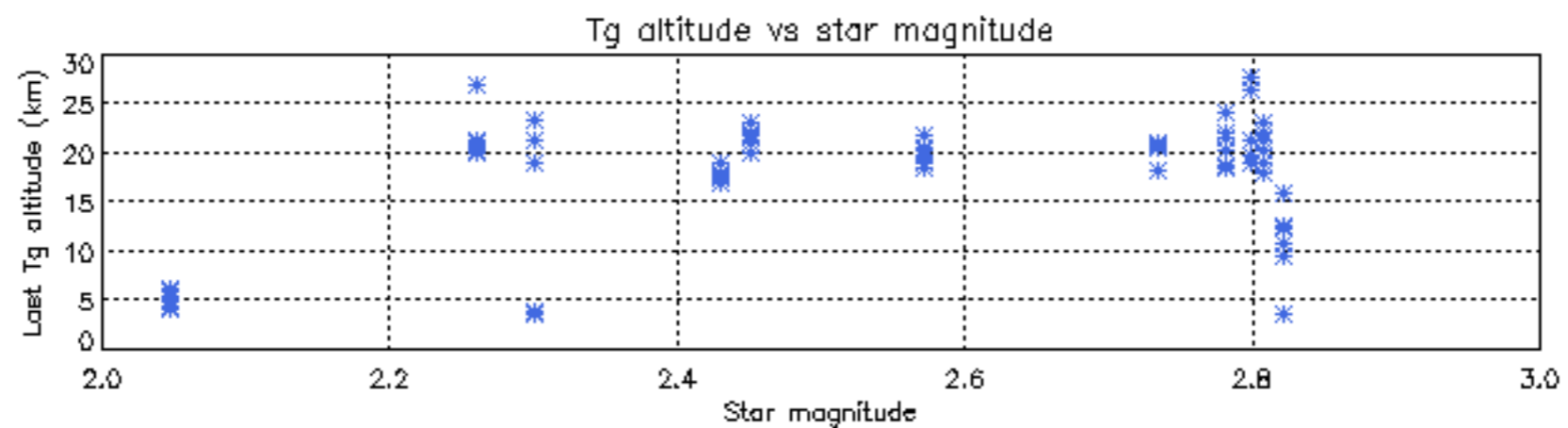
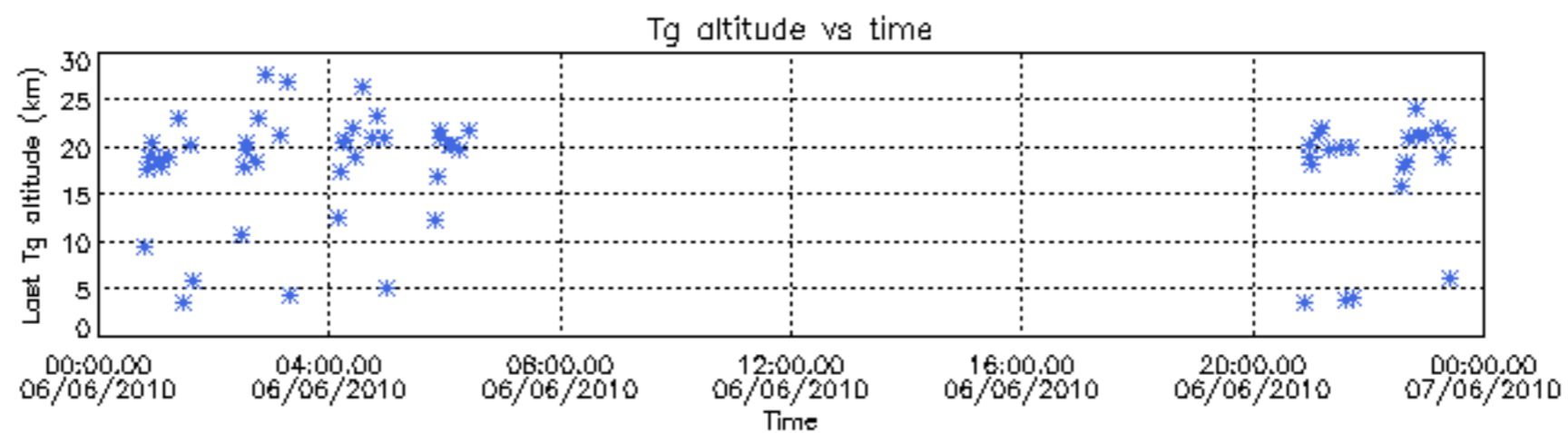
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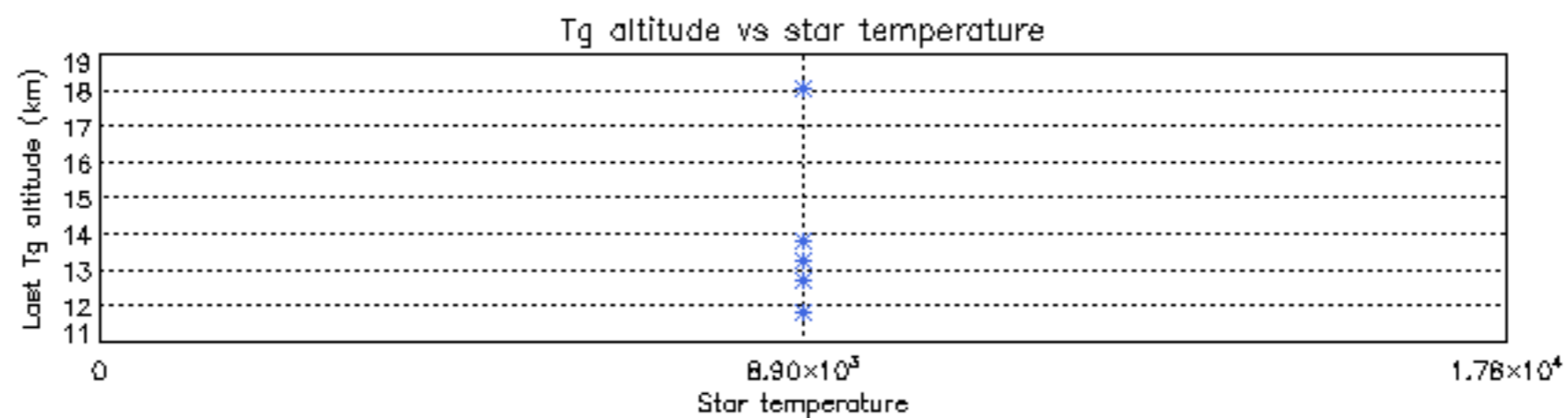
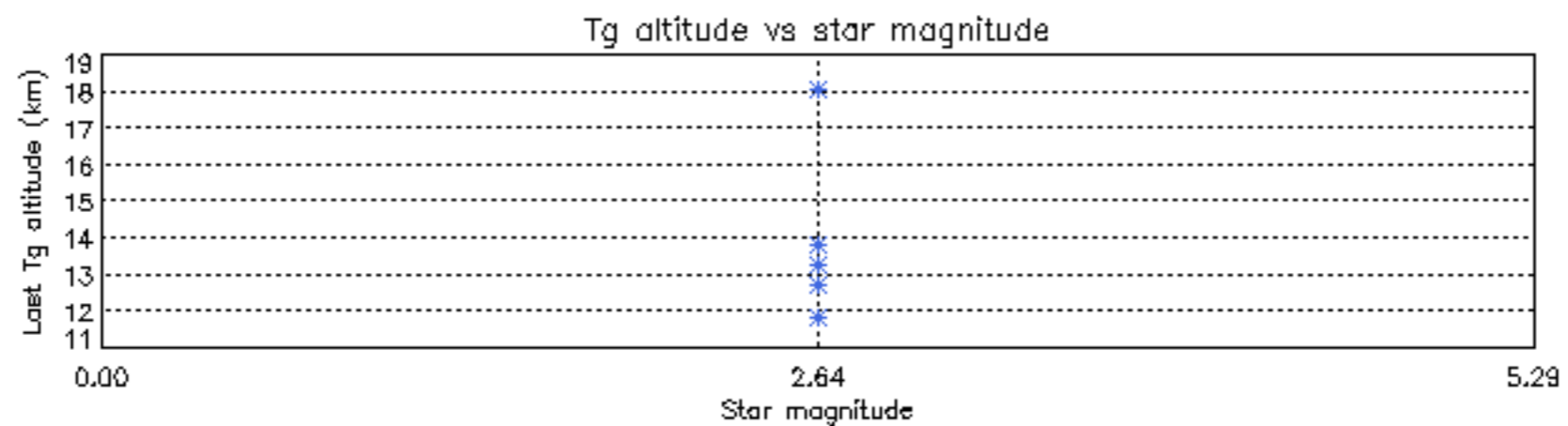
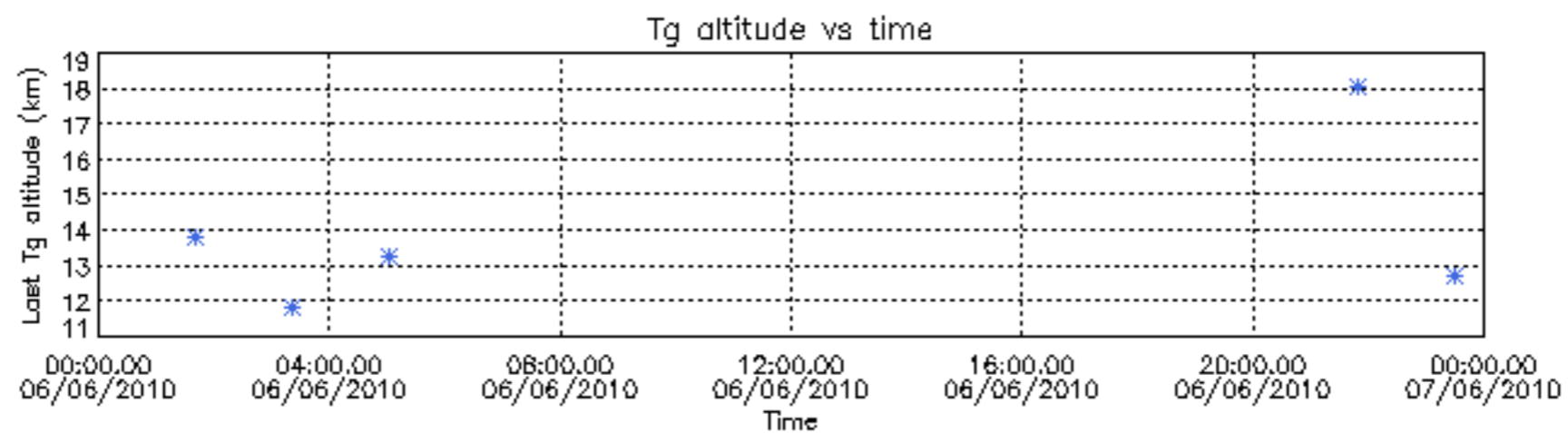
Tangent altitude at which the star is lost

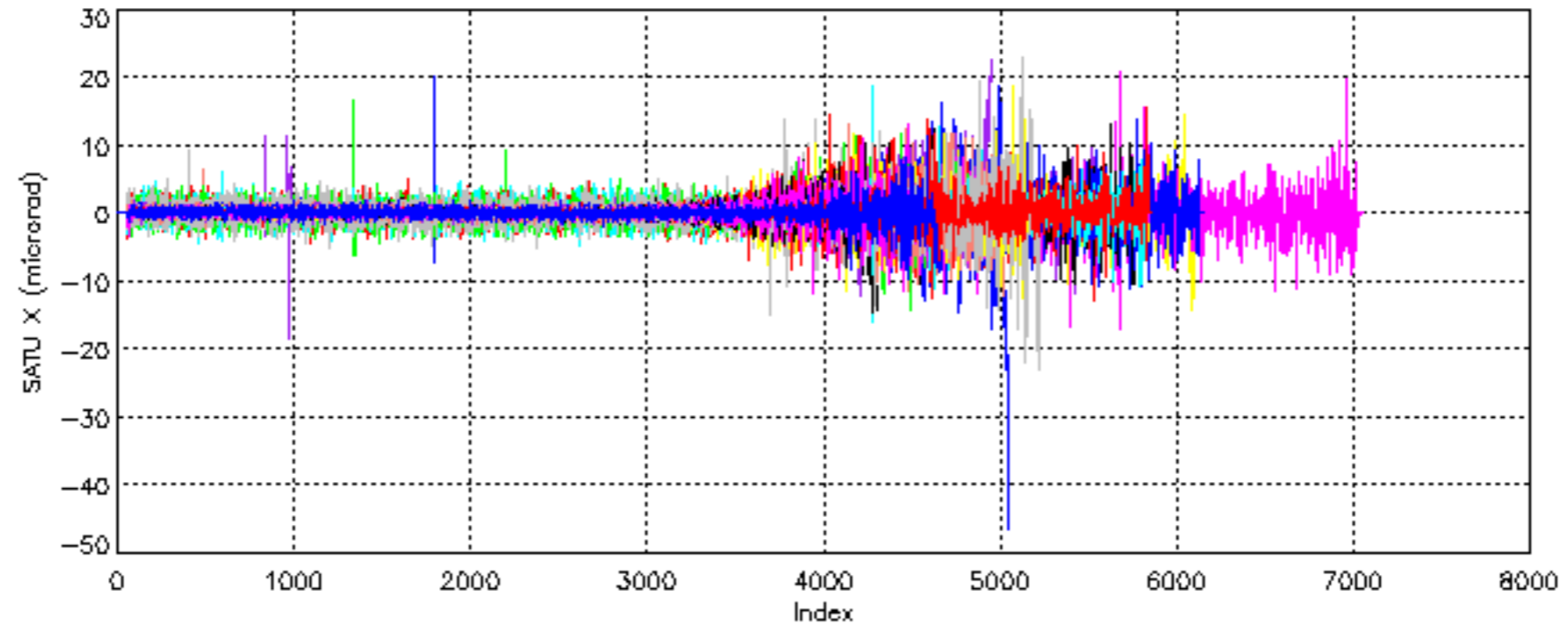


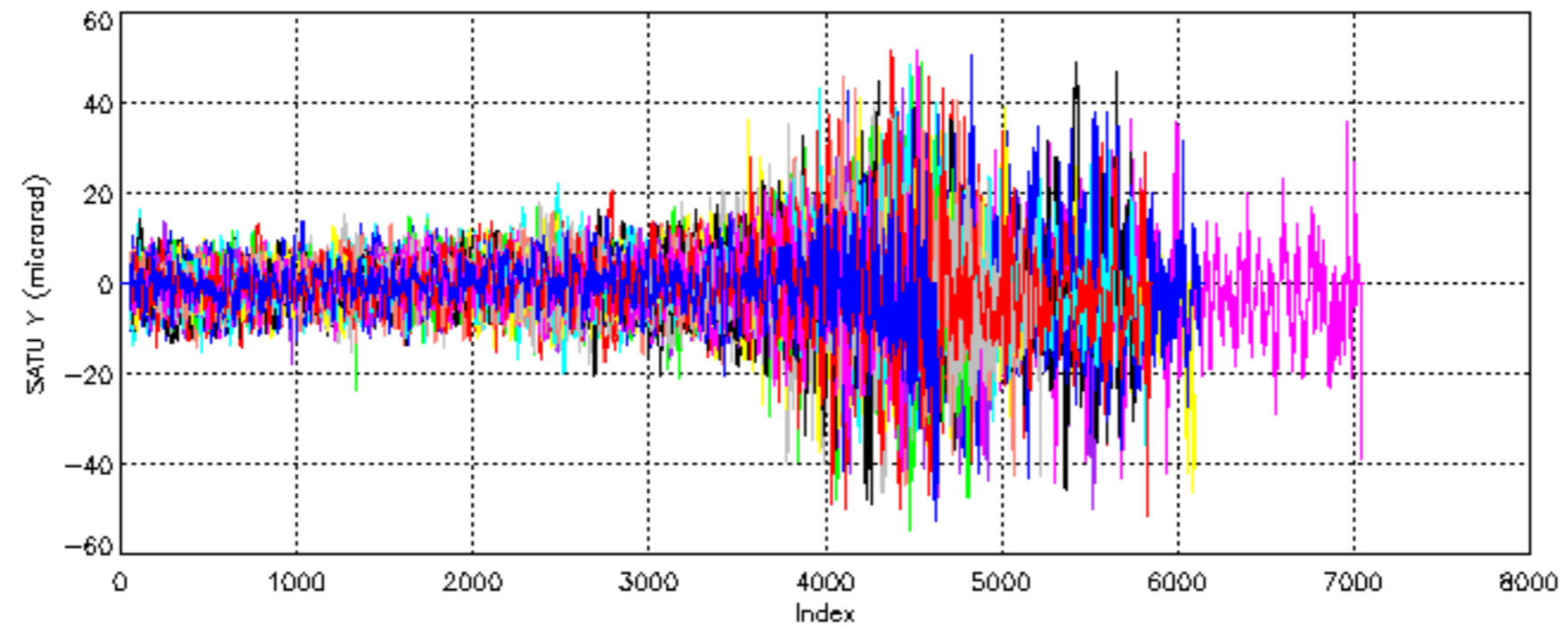
Tangent altitude at which the star is lost

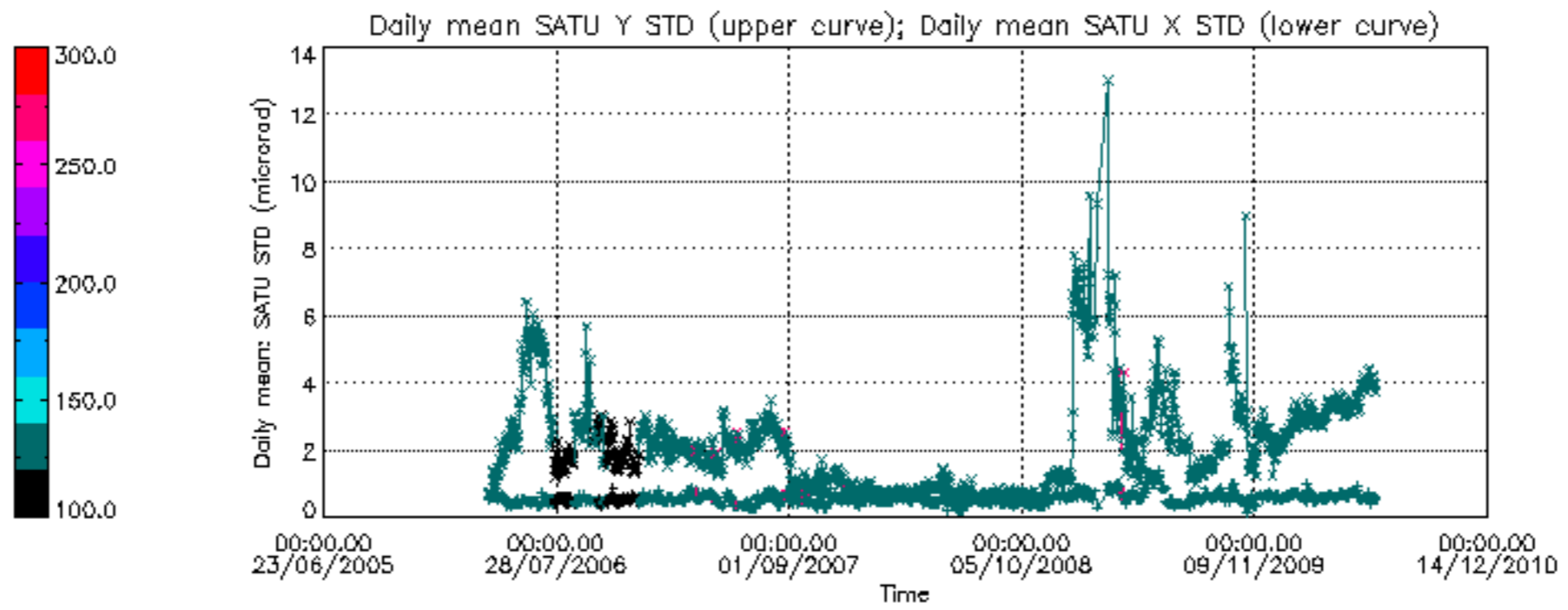


Tangent altitude at which the star is lost









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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
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13;	4402.2;	07-JUN-2010	19:31:23;	Dark	;	60.0;	53;	43Bet And	;	2.05;	3300;occ;	120;	0;	43239
14;	4595.5;	07-JUN-2010	19:34:36;	Dark	;	48.0;	50;	13Alp Ari	;	2.01;	4250;occ;	96;	0;	43239
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16;	5456.6;	07-JUN-2010	19:48:57;	Dark	;	59.5;	52;	16Bet Cet	;	2.04;	4500;occ;	119;	0;	43239
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19;	6196.7;	07-JUN-2010	20:01:17;	Dark	;	63.0;	63;	Bet Gru	;	2.15;	2800;occ;	126;	0;	43240
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3;	-183.5;	08-JUN-2010	00:57:21;	Dark	;	41.0;	84;	Alp Phe	;	2.40;	4500;occ;	82;	0;	43242
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7;	553.5;	08-JUN-2010	01:09:38;	Dark	;	42.5;	45;	Alp Pav	;	1.94;	26000;occ;	85;	0;	43243
8;	1076.2;	08-JUN-2010	01:18:20;	Dark	;	50.0;	40;	The Sco	;	1.86;	7100;occ;	100;	0;	43243
9;	1181.3;	08-JUN-2010	01:20:06;	Dark	;	45.0;	25;	35Lam Sco	;	1.62;	28000;occ;	90;	0;	43243
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6;	283.5;	08-JUN-2010	02:45:44;	Dark	; 49.5;	31;	Alp Gru	; 1.73;	15200;occ;	99;	0;43244
7;	554.3;	08-JUN-2010	02:50:14;	Dark	; 42.5;	45;	Alp Pav	; 1.94;	26000;occ;	85;	0;43244
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16;	2487.7;	08-JUN-2010	03:22:28;	Bright;	43.0;	133;	40Zet Her	; 2.81;	6000;occ;	86;	0;43244
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4;	2284.3;	11-JUN-2010	11:47:49;	Bright;	38.0;	127;	27Bet Her	;	2.78;	4700;occ;	76;	0;43292
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7;	3909.2;	11-JUN-2010	12:14:54;	Bright;	53.0;	76;	27Gam Cas	;	2.30;	30000;occ;	106;	0;43292
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9;	4406.4;	11-JUN-2010	12:23:11;	Dark	;	53.5;	53; 43Bet And	;	2.05;	3300;occ;	107;	0;43292
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19;	7234.0;	11-JUN-2010	13:10:19;	Dark	;	43.5;	25; 35Lam Sco	;	1.62;	28000;occ;	87;	0;43293
20;	7334.3;	11-JUN-2010	13:11:59;	Dark	;	57.5;	57; 34Sig Sgr	;	2.07;	26000;occ;	115;	0;43293
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4;	2182.2;	11-JUN-2010	13:26:43;	Bright;	46.5;	59;	55Alp Oph	;	2.08;	8900;occ;	93;	0;43293
5;	2284.7;	11-JUN-2010	13:28:25;	Bright;	36.5;	127;	27Bet Her	;	2.78;	4700;occ;	73;	0;43293
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7;	2895.1;	11-JUN-2010	13:38:36;	Bright;	42.0;	130;	23Bet Dra	;	2.80;	5800;occ;	84;	0;43293
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 27; 6509.4; 14-JUN-2010 03:00:23; Dark ; 57.5; 172; Gam Gru ; 3.00; 13100;occ; 115; 0;43330
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 4; 284.5; 16-JUN-2010 22:01:12; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;43370
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 5; 2155.5; 16-JUN-2010 17:30:35; Bright; 45.0; 59; 55Alp Oph ; 2.08; 8900;occ; 90; 0;43367
 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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 18; 5401.2; 21-JUN-2010 19:07:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43439
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 21; 6389.6; 21-JUN-2010 19:24:16; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;43440
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 23; 6710.0; 21-JUN-2010 19:29:36; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43440

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 4; 356.4; 22-JUN-2010 00:26:06; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;43443
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10; 359.6; 22-JUN-2010 05:27:57; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;43446
11; 482.0; 22-JUN-2010 05:29:59; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43446

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 12; 2447.3; 23-JUN-2010 00:29:20; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;43457
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 4; 1988.8; 23-JUN-2010 17:07:41; Bright; 40.0; 126; 60Bet Oph ; 2.77; 4250;occ; 80; 0;43467
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7; 1329.6; 24-JUN-2010 01:19:41; Dark ; 54.0; 116; 19Del Sgr ; 2.70; 4100;occ; 108; 0;43472
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19; 4416.8; 24-JUN-2010 22:18:19; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;43484
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 6; 698.8; 24-JUN-2010 22:56:57; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43485
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 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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 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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13; 3384.3; 27-JUN-2010 01:59:40; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;43515
14; 3814.5; 27-JUN-2010 02:06:51; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;43515
15; 3911.4; 27-JUN-2010 02:08:28; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;43515
16; 4064.1; 27-JUN-2010 02:11:00; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43515
17; 4269.4; 27-JUN-2010 02:14:26; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;43515
18; 4420.0; 27-JUN-2010 02:16:56; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;43515
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21; 5453.8; 27-JUN-2010 02:34:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43515
22; 6074.6; 27-JUN-2010 02:44:31; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;43516
23; 6465.0; 27-JUN-2010 02:51:01; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;43516
24; 6584.7; 27-JUN-2010 02:53:01; Dark ; 51.5; 31; Alp Gru ; 1.73; 15200;occ; 103; 0;43516
25; 6751.5; 27-JUN-2010 02:55:48; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43516
26; 7294.0; 27-JUN-2010 03:04:50; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;43516
27; 7377.3; 27-JUN-2010 03:06:13; Dark ; 54.5; 116; 19Del Sgr ; 2.70; 4100;occ; 109; 0;43516
28; 7504.8; 27-JUN-2010 03:08:21; Bright; 49.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 98; 0;43516
29; 8020.2; 27-JUN-2010 03:16:56; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;43516
30; 8162.1; 27-JUN-2010 03:19:18; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;43516
31; 8719.1; 27-JUN-2010 03:28:35; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;43516
32; 8855.9; 27-JUN-2010 03:30:52; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;43516

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6; 2683.7; 27-JUN-2010 01:48:00; Bright; 50.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 100; 0;43515
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11; 4064.1; 27-JUN-2010 02:11:00; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43515
12; 4269.4; 27-JUN-2010 02:14:26; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;43515
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15; 4953.9; 27-JUN-2010 02:25:50; Dark ; 42.5; 94; 92Alp Cet ; 2.53; 3100;occ; 85; 0;43515
16; 5453.8; 27-JUN-2010 02:34:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43515
17; 6074.6; 27-JUN-2010 02:44:31; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;43516
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22; 7377.3; 27-JUN-2010 03:06:13; Dark ; 54.5; 116; 19Del Sgr ; 2.70; 4100;occ; 109; 0;43516
23; 7504.8; 27-JUN-2010 03:08:21; Bright; 49.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 98; 0;43516
24; 8020.2; 27-JUN-2010 03:16:56; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;43516
25; 8162.1; 27-JUN-2010 03:19:18; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;43516
26; 8719.1; 27-JUN-2010 03:28:35; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;43516
27; 8855.9; 27-JUN-2010 03:30:52; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;43516

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3; -2125.2; 27-JUN-2010 03:49:03; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;43516
4; -1971.4; 27-JUN-2010 03:51:37; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;43516
5; -1766.5; 27-JUN-2010 03:55:02; Bright; 48.5; 73; 57Gam1And ; 2.26; 13100;occ; 97; 0;43516
6; -1616.1; 27-JUN-2010 03:57:32; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;43516
7; -1374.7; 27-JUN-2010 04:01:33; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;43516
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9; -581.3; 27-JUN-2010 04:14:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43516
10; 39.6; 27-JUN-2010 04:25:08; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;43517
11; 429.7; 27-JUN-2010 04:31:38; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43517
12; 549.6; 27-JUN-2010 04:33:38; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;43517
13; 716.1; 27-JUN-2010 04:36:24; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43517

14; 1257.7; 27-JUN-2010 04:45:26; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;43517
15; 1341.2; 27-JUN-2010 04:46:49; Dark ; 48.0; 116; 19Del Sgr ; 2.70; 4100;occ; 96; 0;43517
16; 1469.1; 27-JUN-2010 04:48:57; Bright; 48.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 97; 0;43517
17; 1984.4; 27-JUN-2010 04:57:32; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;43517
18; 2126.4; 27-JUN-2010 04:59:54; Bright; 56.0; 59; 55Alp Oph ; 2.08; 8900;occ; 112; 0;43517
19; 2682.7; 27-JUN-2010 05:09:11; Bright; 47.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 94; 0;43517
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3; -1971.7; 27-JUN-2010 05:32:12; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;43517
4; -1766.7; 27-JUN-2010 05:35:37; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;43517
5; -1615.8; 27-JUN-2010 05:38:08; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;43517
6; -1374.6; 27-JUN-2010 05:42:09; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;43517
7; -1081.5; 27-JUN-2010 05:47:03; Dark ; 38.0; 94; 92Alp Cet ; 2.53; 3100;occ; 76; 0;43517
8; -580.5; 27-JUN-2010 05:55:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43517
9; 40.7; 27-JUN-2010 06:05:45; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;43518
10; 430.8; 27-JUN-2010 06:12:15; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;43518
11; 550.6; 27-JUN-2010 06:14:15; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;43518
12; 716.7; 27-JUN-2010 06:17:01; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;43518
13; 1258.3; 27-JUN-2010 06:26:02; Dark ; 48.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 97; 0;43518
14; 1341.7; 27-JUN-2010 06:27:26; Dark ; 48.0; 116; 19Del Sgr ; 2.70; 4100;occ; 96; 0;43518
15; 1469.4; 27-JUN-2010 06:29:34; Bright; 48.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 97; 0;43518
16; 1984.2; 27-JUN-2010 06:38:08; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;43518
17; 2126.2; 27-JUN-2010 06:40:30; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;43518
18; 2682.3; 27-JUN-2010 06:49:46; Bright; 47.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 94; 0;43518
19; 2819.8; 27-JUN-2010 06:52:04; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;43518
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2; 1343.6; 27-JUN-2010 19:52:15; Dark ; 51.0; 116; 19Del Sgr ; 2.70; 4100;occ; 102; 0;43526
3; 1471.0; 27-JUN-2010 19:54:23; Bright; 48.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 97; 0;43526
4; 1983.4; 27-JUN-2010 20:02:55; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;43526
5; 2125.4; 27-JUN-2010 20:05:17; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;43526
6; 2677.3; 27-JUN-2010 20:14:29; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;43526
7; 2817.6; 27-JUN-2010 20:16:49; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;43526
8; 3376.8; 27-JUN-2010 20:26:08; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;43526
9; 3809.2; 27-JUN-2010 20:33:21; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;43526
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11; 4064.1; 27-JUN-2010 20:37:36; Bright; 53.5; 160; 23Gam Per ; 2.93; 4700;occ; 107; 0;43526
12; 4269.0; 27-JUN-2010 20:41:01; Bright; 45.0; 73; 57Gam1And ; 2.26; 13100;occ; 90; 0;43526
13; 4420.9; 27-JUN-2010 20:43:32; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;43526
14; 4664.0; 27-JUN-2010 20:47:36; Dark ; 55.0; 50; 13Alp Ari ; 2.01; 4250;occ; 110; 0;43526
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2; -573.6; 27-JUN-2010 21:00:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43526
3; 439.5; 27-JUN-2010 21:17:47; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;43527
4; 559.1; 27-JUN-2010 21:19:47; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43527
5; 721.2; 27-JUN-2010 21:22:29; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43527
6; 1260.8; 27-JUN-2010 21:31:28; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;43527
7; 1343.7; 27-JUN-2010 21:32:51; Dark ; 56.0; 116; 19Del Sgr ; 2.70; 4100;occ; 112; 0;43527
8; 1471.2; 27-JUN-2010 21:34:59; Bright; 47.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 95; 0;43527
9; 1983.7; 27-JUN-2010 21:43:31; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;43527
10; 2125.1; 27-JUN-2010 21:45:53; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;43527
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12; 2817.4; 27-JUN-2010 21:57:25; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;43527
13; 3376.1; 27-JUN-2010 22:06:44; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;43527
14; 3808.7; 27-JUN-2010 22:13:56; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;43527
15; 3906.5; 27-JUN-2010 22:15:34; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;43527
16; 4064.1; 27-JUN-2010 22:18:12; Bright; 48.0; 160; 23Gam Per ; 2.93; 4700;occ; 96; 0;43527
17; 4268.9; 27-JUN-2010 22:21:36; Bright; 58.0; 73; 57Gam1And ; 2.26; 13100;occ; 116; 0;43527
18; 4420.6; 27-JUN-2010 22:24:08; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;43527
19; 4664.4; 27-JUN-2010 22:28:12; Dark ; 51.5; 50; 13Alp Ari ; 2.01; 4250;occ; 103; 0;43527
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2; 440.6; 27-JUN-2010 22:58:24; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;43528
3; 560.1; 27-JUN-2010 23:00:23; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43528
4; 721.7; 27-JUN-2010 23:03:05; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;43528
5; 1261.0; 27-JUN-2010 23:12:04; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;43528
6; 1343.9; 27-JUN-2010 23:13:27; Dark ; 52.5; 116; 19Del Sgr ; 2.70; 4100;occ; 105; 0;43528
7; 1471.6; 27-JUN-2010 23:15:35; Bright; 47.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 95; 0;43528
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11; 2817.1; 27-JUN-2010 23:38:00; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;43528
12; 3375.4; 27-JUN-2010 23:47:19; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;43528
13; 3808.2; 27-JUN-2010 23:54:32; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;43528
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16; 4268.7; 28-JUN-2010 00:02:12; Bright; 50.0; 73; 57Gam1And ; 2.26; 13100;occ; 100; 0;43528
17; 4420.9; 28-JUN-2010 00:04:44; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;43528
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19; 4958.5; 28-JUN-2010 00:13:42; Dark ; 43.5; 94; 92Alp Cet ; 2.53; 3100;occ; 87; 0;43528
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2; 51.0; 28-JUN-2010 00:32:30; Dark ; 57.0; 84; Alp Phe ; 2.40; 4500;occ; 114; 0;43529
3; 441.6; 28-JUN-2010 00:39:01; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43529
4; 561.1; 28-JUN-2010 00:41:00; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43529
5; 722.5; 28-JUN-2010 00:43:42; Dark ; 45.0; 45; Alp Pav ; 1.94; 26000;occ; 90; 0;43529
6; 1261.3; 28-JUN-2010 00:52:40; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;43529
7; 1344.2; 28-JUN-2010 00:54:03; Dark ; 47.5; 116; 19Del Sgr ; 2.70; 4100;occ; 95; 0;43529
8; 1471.6; 28-JUN-2010 00:56:11; Bright; 47.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 95; 0;43529
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11; 2675.7; 28-JUN-2010 01:16:15; Bright; 47.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 94; 0;43529
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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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13; 1262.3; 28-JUN-2010 04:13:53; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;43531
14; 1345.0; 28-JUN-2010 04:15:16; Dark ; 51.0; 116; 19Del Sgr ; 2.70; 4100;occ; 102; 0;43531

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17; 2124.9; 28-JUN-2010 04:28:16; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;43531
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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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 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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17; 3888.9; 30-JUN-2010 22:21:01; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;43570
18; 4062.6; 30-JUN-2010 22:23:55; Bright; 38.0; 160; 23Gam Per ; 2.93; 4700;occ; 76; 0;43570
19; 4266.8; 30-JUN-2010 22:27:19; Bright; 48.5; 73; 57Gam1And ; 2.26; 13100;occ; 97; 0;43570
20; 4424.2; 30-JUN-2010 22:29:57; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;43570
21; 4677.7; 30-JUN-2010 22:34:10; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;43570
22; 4975.2; 30-JUN-2010 22:39:08; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;43570
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1; -537.3; 30-JUN-2010 22:47:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43570
2; 93.4; 30-JUN-2010 22:58:22; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;43571
3; 482.4; 30-JUN-2010 23:04:51; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;43571
4; 599.4; 30-JUN-2010 23:06:48; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;43571
5; 743.3; 30-JUN-2010 23:09:12; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43571
6; 1313.5; 30-JUN-2010 23:18:42; Dark ; 47.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 95; 0;43571
7; 1480.0; 30-JUN-2010 23:21:28; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;43571
8; 1982.2; 30-JUN-2010 23:29:51; Bright; 37.0; 126; 60Bet Oph ; 2.77; 4250;occ; 74; 0;43571
9; 2121.7; 30-JUN-2010 23:32:10; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;43571
10; 2234.2; 30-JUN-2010 23:34:03; Bright; 50.5; 168; 17Zet Aql ; 2.99; 11000;occ; 101; 0;43571
11; 2653.4; 30-JUN-2010 23:41:02; Bright; 40.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 80; 0;43571
12; 2809.0; 30-JUN-2010 23:43:37; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;43571

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13; 2926.0; 30-JUN-2010 23:45:34; Bright; 35.0; 144; 18Del Cyg ; 2.86; 11000;occ; 70; 0;43571
14; 3346.2; 30-JUN-2010 23:52:35; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;43571
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16; 3888.2; 01-JUL-2010 00:01:37; Bright; 51.0; 68; 18Alp Cas ; 2.22; 4500;occ; 102; 0;43571
17; 4062.4; 01-JUL-2010 00:04:31; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;43571
18; 4266.7; 01-JUL-2010 00:07:55; Bright; 52.5; 73; 57Gam1And ; 2.26; 13100;occ; 105; 0;43571
19; 4424.5; 01-JUL-2010 00:10:33; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;43571
20; 4678.0; 01-JUL-2010 00:14:46; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;43571
21; 4975.5; 01-JUL-2010 00:19:44; Dark ; 52.5; 94; 92Alp Cet ; 2.53; 3100;occ; 105; 0;43571