

GOMOS Daily Report 02-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	05JUN2010 04:52:20
Data source version	GOMOS/5.00L04
Start time of products	02JUN2010 00:08:41
Stop time of products	02JUN2010 23:57:47
Store outputs in DB	Yes
Nb of level 1b prods	137
Nb of prods with errors	1

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

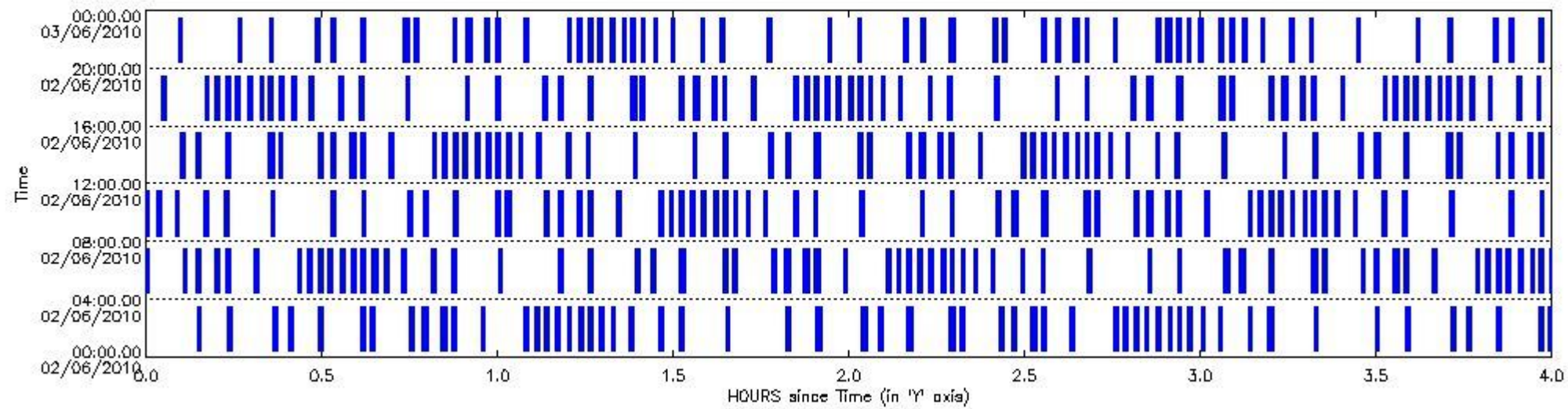
2.1 Level 0 products arrived in PCF (see template [here](#))

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

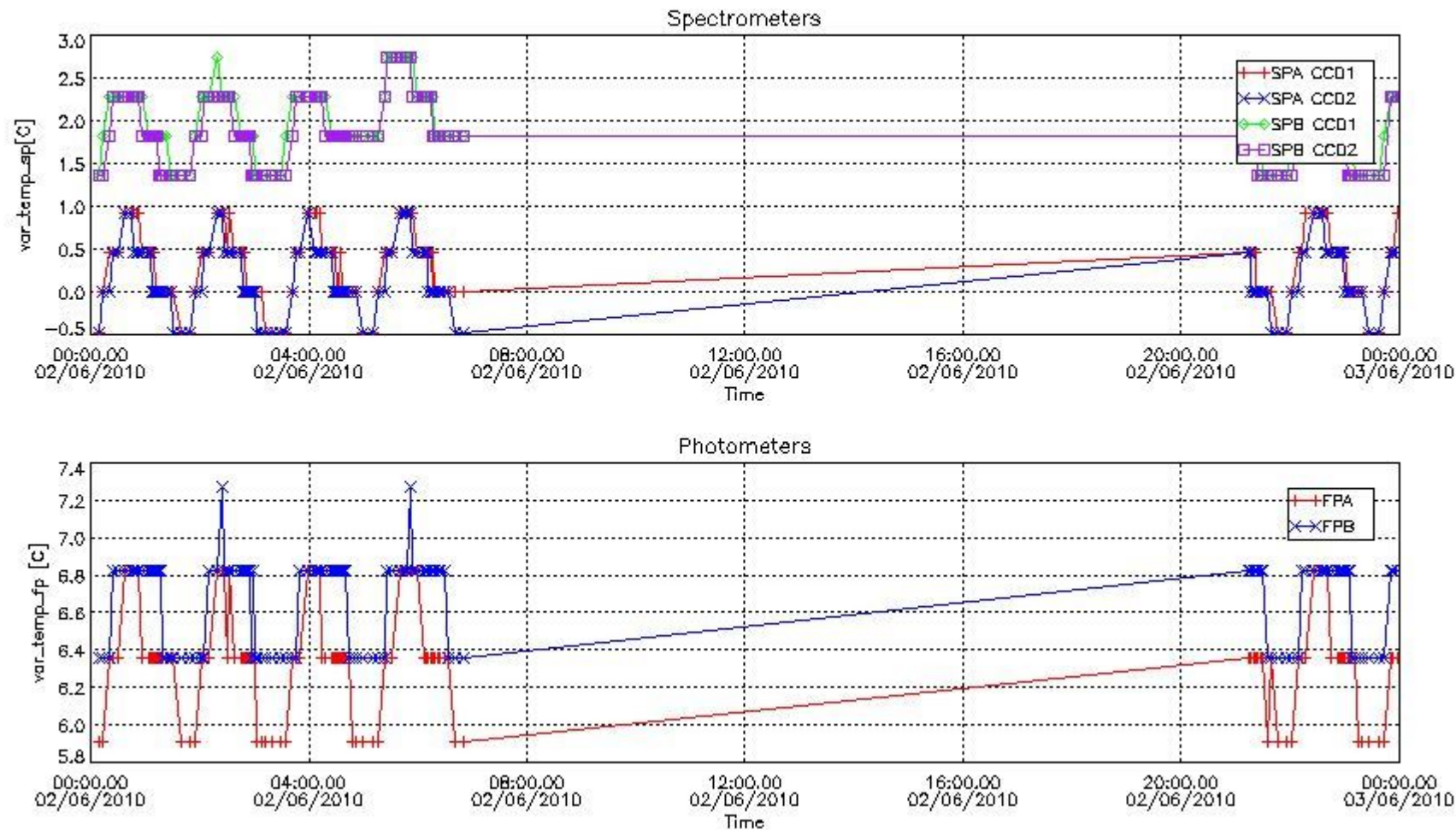
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100602_000841_000000402090_00016_43156_5842.N1	02-JUN-2010 00:08:41	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	43156	No
2	GOM_TRA_1PNPDE20100602_001346_000000442090_00016_43156_5843.N1	02-JUN-2010 00:13:46	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	43156	No
3	GOM_TRA_1PNPDE20100602_002133_000000512090_00016_43156_5844.N1	02-JUN-2010 00:21:33	Bright	50.500	53	43Bet And	2.0480	3300.0	101	43156	No
4	GOM_TRA_1PNPDE20100602_002416_000000552090_00016_43156_5845.N1	02-JUN-2010 00:24:16	Twilight_stray	54.500	58	21Alp And	2.0730	11000.	109	43156	No
5	GOM_TRA_1PNPDE20100602_002916_000000502090_00016_43156_5846.N1	02-JUN-2010 00:29:16	Dark	49.500	140	88Gam Peg	2.8340	26000.	99	43156	No
6	GOM_TRA_1PNPDE20100602_003817_000000452090_00016_43156_5846.N1	02-JUN-2010 00:38:17	Dark	44.500	52	16Bet Cet	2.0370	4500.0	89	43156	No
7	GOM_TRA_1PNPDE20100602_004458_000000422090_00016_43156_5847.N1	02-JUN-2010 00:44:58	Dark	41.500	84	Alp Phe	2.3970	4500.0	83	43156	No
8	GOM_TRA_1PNPDE20100602_004706_000000552090_00016_43156_5848.N1	02-JUN-2010 00:47:06	Dark	55.000	18	24Alp PsA	1.1660	9700.0	110	43156	No
9	GOM_TRA_1PNPDE20100602_005021_000000522090_00017_43157_5849.N1	02-JUN-2010 00:50:21	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	43157	No
10	GOM_TRA_1PNPDE20100602_005214_000000462090_00017_43157_5850.N1	02-JUN-2010 00:52:14	Dark	46.000	31	Alp Gru	1.7340	15200.	92	43157	No
11	GOM_TRA_1PNPDE20100602_005710_000000422090_00017_43157_5851.N1	02-JUN-2010 00:57:10	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	43157	No
12	GOM_TRA_1PNPDE20100602_010434_000000412090_00017_43157_5852.N1	02-JUN-2010 01:04:34	Straylight	41.000	147	Alp Ara	2.8770	26000.	82	43157	No

13	GOM_TRA_1PNPDE20100602_010616_000000462090_00017_43157_5853.N1	02-JUN-2010 01:06:16	Straylight	45.500	40	The Sco	1.8590	7100.0	91	43157	No
14	GOM_TRA_1PNPDE20100602_010803_000000482090_00017_43157_5854.N1	02-JUN-2010 01:08:03	Tw_i_and_stray	47.500	25	35Lam Sco	1.6200	28000.	95	43157	No
15	GOM_TRA_1PNPDE20100602_010948_000000472090_00017_43157_5855.N1	02-JUN-2010 01:09:48	Tw_i_and_stray	47.000	75	26Eps Sco	2.2910	4250.0	94	43157	No
16	GOM_TRA_1PNPDE20100602_011150_000000472090_00017_43157_5856.N1	02-JUN-2010 01:11:50	Bright	46.500	136	23Tau Sco	2.8220	30000.	93	43157	No
17	GOM_TRA_1PNPDE20100602_011354_000000412090_00017_43157_5857.N1	02-JUN-2010 01:13:54	Bright	41.000	80	7Del Sco	2.3160	30000.	82	43157	No
18	GOM_TRA_1PNPDE20100602_011526_000000452090_00017_43157_5858.N1	02-JUN-2010 01:15:26	Bright	45.000	86	35Eta Oph	2.4300	10200.	90	43157	No
19	GOM_TRA_1PNPDE20100602_011717_000000422090_00017_43157_5859.N1	02-JUN-2010 01:17:17	Bright	42.000	98	13Zet Oph	2.5710	30000.	84	43157	No
20	GOM_TRA_1PNPDE20100602_011928_000000402090_00017_43157_5860.N1	02-JUN-2010 01:19:28	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	43157	No
21	GOM_TRA_1PNPDE20100602_012229_000000372090_00017_43157_5861.N1	02-JUN-2010 01:22:29	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	43157	No
22	GOM_TRA_1PNPDE20100602_012732_000000412090_00017_43157_5862.N1	02-JUN-2010 01:27:32	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	43157	No
23	GOM_TRA_1PNPDE20100602_013057_000000462090_00017_43157_5863.N1	02-JUN-2010 01:30:57	Bright	46.000	133	40Zet Her	2.8070	6000.0	92	43157	No
24	GOM_TRA_1PNPDE20100602_013856_000000372090_00017_43157_5864.N1	02-JUN-2010 01:38:56	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	43157	No
25	GOM_TRA_1PNPDE20100602_014916_000000402090_00017_43157_5865.N1	02-JUN-2010 01:49:16	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	43157	No
26	GOM_TRA_1PNPDE20100602_015422_000000522090_00017_43157_5866.N1	02-JUN-2010 01:54:22	Bright	51.500	76	27Gam Cas	2.3000	30000.	103	43157	No
27	GOM_TRA_1PNPDE20100602_020209_000000572090_00017_43157_5867.N1	02-JUN-2010 02:02:09	Bright	57.000	53	43Bet And	2.0480	3300.0	114	43157	No
28	GOM_TRA_1PNPDE20100602_020452_000000552090_00017_43157_5868.N1	02-JUN-2010 02:04:52	Tw_i_and_stray	54.500	58	21Alp And	2.0730	11000.	109	43157	No
29	GOM_TRA_1PNPDE20100602_020953_000000532090_00017_43157_5869.N1	02-JUN-2010 02:09:53	Dark	53.000	140	88Gam Peg	2.8340	26000.	106	43157	No
30	GOM_TRA_1PNPDE20100602_021854_000000502090_00017_43157_5864.N1	02-JUN-2010 02:18:54	Dark	49.500	52	16Bet Cet	2.0370	4500.0	99	43157	No
31	GOM_TRA_1PNPDE20100602_022535_000000442090_00017_43157_5865.N1	02-JUN-2010 02:25:35	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	43157	No
32	GOM_TRA_1PNPDE20100602_022744_000000562090_00017_43157_5866.N1	02-JUN-2010 02:27:44	Dark	55.500	18	24Alp PsA	1.1660	9700.0	111	43157	No
33	GOM_TRA_1PNPDE20100602_023058_000000602090_00018_43158_5867.N1	02-JUN-2010 02:30:58	Dark	59.500	63	Bet Gru	2.1500	2800.0	119	43158	No
34	GOM_TRA_1PNPDE20100602_023251_000000462090_00018_43158_5868.N1	02-JUN-2010 02:32:51	Dark	46.000	31	Alp Gru	1.7340	15200.	92	43158	No
35	GOM_TRA_1PNPDE20100602_023747_000000442090_00018_43158_5869.N1	02-JUN-2010 02:37:47	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43158	No
36	GOM_TRA_1PNPDE20100602_024510_000000422090_00018_43158_5870.N1	02-JUN-2010 02:45:10	Straylight	42.000	147	Alp Ara	2.8770	26000.	84	43158	No
37	GOM_TRA_1PNPDE20100602_024652_000000442090_00018_43158_5871.N1	02-JUN-2010 02:46:52	Straylight	44.000	40	The Sco	1.8590	7100.0	88	43158	No
38	GOM_TRA_1PNPDE20100602_024839_000000492090_00018_43158_5872.N1	02-JUN-2010 02:48:39	Tw_i_and_stray	48.500	25	35Lam Sco	1.6200	28000.	97	43158	No
39	GOM_TRA_1PNPDE20100602_025024_000000472090_00018_43158_5873.N1	02-JUN-2010 02:50:24	Tw_i_and_stray	47.000	75	26Eps Sco	2.2910	4250.0	94	43158	No
40	GOM_TRA_1PNPDE20100602_025226_000000482090_00018_43158_5874.N1	02-JUN-2010 02:52:26	Bright	47.500	136	23Tau Sco	2.8220	30000.	95	43158	No
41	GOM_TRA_1PNPDE20100602_025430_000000402090_00018_43158_5875.N1	02-JUN-2010 02:54:30	Bright	40.000	80	7Del Sco	2.3160	30000.	80	43158	No
42	GOM_TRA_1PNPDE20100602_025602_000000462090_00018_43158_5876.N1	02-JUN-2010 02:56:02	Bright	46.000	86	35Eta Oph	2.4300	10200.	92	43158	No
43	GOM_TRA_1PNPDE20100602_025753_000000412090_00018_43158_5877.N1	02-JUN-2010 02:57:53	Bright	41.000	98	13Zet Oph	2.5710	30000.	82	43158	No
44	GOM_TRA_1PNPDE20100602_030004_000000392090_00018_43158_5878.N1	02-JUN-2010 03:00:04	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	43158	No
45	GOM_TRA_1PNPDE20100602_030305_000000372090_00018_43158_5879.N1	02-JUN-2010 03:03:05	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	43158	No
46	GOM_TRA_1PNPDE20100602_030808_000000422090_00018_43158_5880.N1	02-JUN-2010 03:08:08	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	43158	No
47	GOM_TRA_1PNPDE20100602_031132_000000632090_00018_43158_5881.N1	02-JUN-2010 03:11:32	Bright	63.000	133	40Zet Her	2.8070	6000.0	126	43158	No
48	GOM_TRA_1PNPDE20100602_031931_000000362090_00018_43158_5882.N1	02-JUN-2010 03:19:31	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	43158	No
49	GOM_TRA_1PNPDE20100602_032952_000000392090_00018_43158_5885.N1	02-JUN-2010 03:29:52	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	43158	No
50	GOM_TRA_1PNPDE20100602_033458_000000442090_00018_43158_5886.N1	02-JUN-2010 03:34:58	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	43158	No
51	GOM_TRA_1PNPDE20100602_034245_000000472090_00018_43158_5887.N1	02-JUN-2010 03:42:45	Bright	46.500	53	43Bet And	2.0480	3300.0	93	43158	No
52	GOM_TRA_1PNPDE20100602_034529_000000532090_00018_43158_5888.N1	02-JUN-2010 03:45:29	Tw_i_and_stray	52.500	58	21Alp And	2.0730	11000.	105	43158	No
53	GOM_TRA_1PNPDE20100602_035029_000000542090_00018_43158_5889.N1	02-JUN-2010 03:50:29	Dark	53.500	140	88Gam Peg	2.8340	26000.	107	43158	No
54	GOM_TRA_1PNPDE20100602_035930_000000492090_00018_43158_5890.N1	02-JUN-2010 03:59:30	Dark	48.500	52	16Bet Cet	2.0370	4500.0	97	43158	No
55	GOM_TRA_1PNPDE20100602_040611_000000482090_00018_43158_5891.N1	02-JUN-2010 04:06:11	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	43158	No
56	GOM_TRA_1PNPDE20100602_040821_000000522090_00018_43158_5892.N1	02-JUN-2010 04:08:21	Dark	51.500	18	24Alp PsA	1.1660	9700.0	103	43158	No
57	GOM_TRA_1PNPDE20100602_041134_000000502090_00019_43159_5893.N1	02-JUN-2010 04:11:34	Dark	50.000	63	Bet Gru	2.1500	2800.0	100	43159	No
58	GOM_TRA_1PNPDE20100602_041328_000000462090_00019_43159_5894.N1	02-JUN-2010 04:13:28	Dark	45.500	31	Alp Gru	1.7340	15200.	91	43159	No
59	GOM_TRA_1PNPDE20100602_041823_000000442090_00019_43159_5895.N1	02-JUN-2010 04:18:23	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43159	No
60	GOM_TRA_1PNPDE20100602_042547_000000402090_00019_43159_5896.N1	02-JUN-2010 04:25:47	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	43159	No
61	GOM_TRA_1PNPDE20100602_042728_000000462090_00019_43159_5897.N1	02-JUN-2010 04:27:28	Straylight	45.500	40	The Sco	1.8590	7100.0	91	43159	No
62	GOM_TRA_1PNPDE20100602_042916_000000482090_00019_43159_5898.N1	02-JUN-2010 04:29:16	Tw_i_and_stray	47.500	25	35Lam Sco	1.6200	28000.	95	43159	No
63	GOM_TRA_1PNPDE20100602_043101_000000482090_00019_43159_5899.N1	02-JUN-2010 04:31:01	Tw_i_and_stray	47.500	75	26Eps Sco	2.2910	4250.0	95	43159	No
64	GOM_TRA_1PNPDE20100602_043302_000000532090_00019_43159_5900.N1	02-JUN-2010 04:33:02	Bright	52.500	136	23Tau Sco	2.8220	30000.	105	43159	No
65	GOM_TRA_1PNPDE20100602_043506_000000412090_00019_43159_5901.N1	02-JUN-2010 04:35:06	Bright	41.000	80	7Del Sco	2.3160	30000.	82	43159	No
66	GOM_TRA_1PNPDE20100602_043638_000000472090_00019_43159_5902.N1	02-JUN-2010 04:36:38	Bright	46.500	86	35Eta Oph	2.4300	10200.	93	43159	No
67	GOM_TRA_1PNPDE20100602_043829_000000592090_00019_43159_5903.N1	02-JUN-2010 04:38:29	Bright	59.000	98	13Zet Oph	2.5710	30000.	118	43159	No
68	GOM_TRA_1PNPDE20100602_044040_000000402090_00019_43159_5904.N1	02-JUN-2010 04:40:40	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	43159	No
69	GOM_TRA_1PNPDE20100602_044340_000000372090_00019_43159_5905.N1	02-JUN-2010 04:43:40	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	43159	No
70	GOM_TRA_1PNPDE20100602_044844_000000452090_00019_43159_5906.N1	02-JUN-2010 04:48:44	Bright	45.000	127	27Bet Her	2.7810	4700.0	90	43159	No
71	GOM_TRA_1PNPDE20100602_045208_000000452090_00019_43159_5907.N1	02-JUN-2010 04:52:08	Bright	44.500	133	40Zet Her	2.8070	6000.0	89	43159	No

72	GOM_TRA_1PNPDE20100602_050007_000000412090_00019_43159_5908.N1	02-JUN-2010 05:00:07	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	43159	No
73	GOM_TRA_1PNPDE20100602_051027_000000392090_00019_43159_5909.N1	02-JUN-2010 05:10:27	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	43159	No
74	GOM_TRA_1PNPDE20100602_051534_000000402090_00019_43159_5911.N1	02-JUN-2010 05:15:34	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	43159	No
75	GOM_TRA_1PNPDE20100602_052321_000000572090_00019_43159_5912.N1	02-JUN-2010 05:23:21	Bright	57.000	53	43Bet And	2.0480	3300.0	114	43159	No
76	GOM_TRA_1PNPDE20100602_052605_000000542090_00019_43159_5913.N1	02-JUN-2010 05:26:05	Tw_i_and_stray	54.000	58	21Alp And	2.0730	11000.	108	43159	No
77	GOM_TRA_1PNPDE20100602_053106_000000542090_00019_43159_5914.N1	02-JUN-2010 05:31:06	Dark	53.500	140	88Gam Peg	2.8340	26000.	107	43159	No
78	GOM_TRA_1PNPDE20100602_054007_000000482090_00019_43159_5915.N1	02-JUN-2010 05:40:07	Dark	48.000	52	16Bet Cet	2.0370	4500.0	96	43159	No
79	GOM_TRA_1PNPDE20100602_054648_000000522090_00019_43159_5916.N1	02-JUN-2010 05:46:48	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	43159	No
80	GOM_TRA_1PNPDE20100602_054858_000000652090_00019_43159_5917.N1	02-JUN-2010 05:48:58	Dark	65.000	18	24Alp PsA	1.1660	9700.0	130	43159	No
81	GOM_TRA_1PNPDE20100602_055212_000000582090_00020_43160_5918.N1	02-JUN-2010 05:52:12	Dark	57.500	63	Bet Gru	2.1500	2800.0	115	43160	No
82	GOM_TRA_1PNPDE20100602_055405_000000542090_00020_43160_5919.N1	02-JUN-2010 05:54:05	Dark	53.500	31	Alp Gru	1.7340	15200.	107	43160	No
83	GOM_TRA_1PNPDE20100602_055900_000000422090_00020_43160_5920.N1	02-JUN-2010 05:59:00	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43160	No
84	GOM_TRA_1PNPDE20100602_060623_000000422090_00020_43160_5921.N1	02-JUN-2010 06:06:23	Straylight	42.000	147	Alp Ara	2.8770	26000.	84	43160	No
85	GOM_TRA_1PNPDE20100602_060805_000000462090_00020_43160_5922.N1	02-JUN-2010 06:08:05	Straylight	45.500	40	The Sco	1.8590	7100.0	91	43160	No
86	GOM_TRA_1PNPDE20100602_060952_000000472090_00020_43160_5923.N1	02-JUN-2010 06:09:52	Tw_i_and_stray	47.000	25	35Lam Sco	1.6200	28000.	94	43160	No
87	GOM_TRA_1PNPDE20100602_061137_000000502090_00020_43160_5924.N1	02-JUN-2010 06:11:37	Tw_i_and_stray	49.500	75	26Eps Sco	2.2910	4250.0	99	43160	No
88	GOM_TRA_1PNPDE20100602_061338_000000462090_00020_43160_5925.N1	02-JUN-2010 06:13:38	Bright	46.000	136	23Tau Sco	2.8220	30000.	92	43160	No
89	GOM_TRA_1PNPDE20100602_061542_000000412090_00020_43160_5926.N1	02-JUN-2010 06:15:42	Bright	41.000	80	7Del Sco	2.3160	30000.	82	43160	No
90	GOM_TRA_1PNPDE20100602_061714_000000452090_00020_43160_5927.N1	02-JUN-2010 06:17:14	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	43160	No
91	GOM_TRA_1PNPDE20100602_061905_000000412090_00020_43160_5928.N1	02-JUN-2010 06:19:05	Bright	41.000	98	13Zet Oph	2.5710	30000.	82	43160	No
92	GOM_TRA_1PNPDE20100602_062116_000000392090_00020_43160_5929.N1	02-JUN-2010 06:21:16	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	43160	No
93	GOM_TRA_1PNPDE20100602_062416_000000372090_00020_43160_5930.N1	02-JUN-2010 06:24:16	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	43160	No
94	GOM_TRA_1PNPDE20100602_062919_000000422090_00020_43160_5931.N1	02-JUN-2010 06:29:19	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	43160	No
95	GOM_TRA_1PNPDE20100602_063243_000000442090_00020_43160_5932.N1	02-JUN-2010 06:32:43	Bright	44.000	133	40Zet Her	2.8070	6000.0	88	43160	No
96	GOM_TRA_1PNPDE20100602_064043_000000382090_00020_43160_5933.N1	02-JUN-2010 06:40:43	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	43160	No
97	GOM_TRA_1PNPDE20100602_065102_000000382090_00020_43160_5934.N1	02-JUN-2010 06:51:02	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	43160	No
98	GOM_TRA_1PNPDE20100602_211332_000000482090_00029_43169_6008.N1	02-JUN-2010 21:13:32	Straylight	48.000	40	The Sco	1.8590	7100.0	96	43169	No
99	GOM_TRA_1PNPDE20100602_211520_000000492090_00029_43169_6009.N1	02-JUN-2010 21:15:20	Tw_i_and_stray	48.500	25	35Lam Sco	1.6200	28000.	97	43169	No
100	GOM_TRA_1PNPDE20100602_211703_000000462090_00029_43169_6010.N1	02-JUN-2010 21:17:03	Tw_i_and_stray	45.500	75	26Eps Sco	2.2910	4250.0	91	43169	No
101	GOM_TRA_1PNPDE20100602_211904_000000562090_00029_43169_6011.N1	02-JUN-2010 21:19:04	Bright	56.000	136	23Tau Sco	2.8220	30000.	112	43169	No
102	GOM_TRA_1PNPDE20100602_212114_000000372090_00029_43169_6012.N1	02-JUN-2010 21:21:14	Bright	36.500	80	7Del Sco	2.3160	30000.	73	43169	Yes
103	GOM_TRA_1PNPDE20100602_212239_000000462090_00029_43169_6013.N1	02-JUN-2010 21:22:39	Bright	46.000	86	35Eta Oph	2.4300	10200.	92	43169	No
104	GOM_TRA_1PNPDE20100602_212429_000000412090_00029_43169_6014.N1	02-JUN-2010 21:24:29	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43169	No
105	GOM_TRA_1PNPDE20100602_212639_000000392090_00029_43169_6015.N1	02-JUN-2010 21:26:39	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	43169	No
106	GOM_TRA_1PNPDE20100602_212940_000000362090_00029_43169_6016.N1	02-JUN-2010 21:29:40	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	43169	No
107	GOM_TRA_1PNPDE20100602_213440_000000442090_00029_43169_6017.N1	02-JUN-2010 21:34:40	Bright	43.500	127	27Bet Her	2.7810	4700.0	87	43169	No
108	GOM_TRA_1PNPDE20100602_213803_000000442090_00029_43169_6018.N1	02-JUN-2010 21:38:03	Bright	44.000	133	40Zet Her	2.8070	6000.0	88	43169	No
109	GOM_TRA_1PNPDE20100602_214604_000000402090_00029_43169_6019.N1	02-JUN-2010 21:46:04	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	43169	No
110	GOM_TRA_1PNPDE20100602_215620_000000342090_00029_43169_6020.N1	02-JUN-2010 21:56:20	Tw_i_and_stray	34.000	89	5Alp Cep	2.4510	8000.0	68	43169	No
111	GOM_TRA_1PNPDE20100602_220132_000000382090_00029_43169_6021.N1	02-JUN-2010 22:01:32	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	43169	No
112	GOM_TRA_1PNPDE20100602_220922_000000462090_00029_43169_6022.N1	02-JUN-2010 22:09:22	Bright	46.000	53	43Bet And	2.0480	3300.0	92	43169	No
113	GOM_TRA_1PNPDE20100602_221206_000000502090_00029_43169_6023.N1	02-JUN-2010 22:12:06	Tw_i_and_stray	50.000	58	21Alp And	2.0730	11000.	100	43169	No
114	GOM_TRA_1PNPDE20100602_221711_000000532090_00029_43169_6024.N1	02-JUN-2010 22:17:11	Dark	53.000	140	88Gam Peg	2.8340	26000.	106	43169	No
115	GOM_TRA_1PNPDE20100602_222612_000000482090_00029_43169_6030.N1	02-JUN-2010 22:26:12	Dark	47.500	52	16Bet Cet	2.0370	4500.0	95	43169	No
116	GOM_TRA_1PNPDE20100602_223253_000000442090_00029_43169_6031.N1	02-JUN-2010 22:32:53	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	43169	No
117	GOM_TRA_1PNPDE20100602_223511_000000572090_00029_43169_6032.N1	02-JUN-2010 22:35:11	Dark	57.000	18	24Alp PsA	1.1660	9700.0	114	43169	No
118	GOM_TRA_1PNPDE20100602_223820_000000592090_00030_43170_6033.N1	02-JUN-2010 22:38:20	Dark	58.500	63	Bet Gru	2.1500	2800.0	117	43170	No
119	GOM_TRA_1PNPDE20100602_224014_000000462090_00030_43170_6034.N1	02-JUN-2010 22:40:14	Dark	45.500	31	Alp Gru	1.7340	15200.	91	43170	No
120	GOM_TRA_1PNPDE20100602_224506_000000422090_00030_43170_6035.N1	02-JUN-2010 22:45:06	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	43170	No
121	GOM_TRA_1PNPDE20100602_225226_000000412090_00030_43170_6036.N1	02-JUN-2010 22:52:26	Straylight	40.500	147	Alp Ara	2.8770	26000.	81	43170	No
122	GOM_TRA_1PNPDE20100602_225408_000000502090_00030_43170_6037.N1	02-JUN-2010 22:54:08	Straylight	49.500	40	The Sco	1.8590	7100.0	99	43170	No
123	GOM_TRA_1PNPDE20100602_225556_000000472090_00030_43170_6038.N1	02-JUN-2010 22:55:56	Tw_i_and_stray	46.500	25	35Lam Sco	1.6200	28000.	93	43170	No
124	GOM_TRA_1PNPDE20100602_225739_000000442090_00030_43170_6039.N1	02-JUN-2010 22:57:39	Tw_i_and_stray	43.500	75	26Eps Sco	2.2910	4250.0	87	43170	No
125	GOM_TRA_1PNPDE20100602_225940_000000492090_00030_43170_6040.N1	02-JUN-2010 22:59:40	Bright	49.000	136	23Tau Sco	2.8220	30000.	98	43170	No
126	GOM_TRA_1PNPDE20100602_230315_000000462090_00030_43170_6041.N1	02-JUN-2010 23:03:15	Bright	46.000	86	35Eta Oph	2.4300	10200.	92	43170	No
127	GOM_TRA_1PNPDE20100602_230505_000000432090_00030_43170_6042.N1	02-JUN-2010 23:05:05	Bright	42.500	98	13Zet Oph	2.5710	30000.	85	43170	No
128	GOM_TRA_1PNPDE20100602_230715_000000392090_00030_43170_6043.N1	02-JUN-2010 23:07:15	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	43170	No
129	GOM_TRA_1PNPDE20100602_231016_000000362090_00030_43170_6044.N1	02-JUN-2010 23:10:16	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	43170	No
130	GOM_TRA_1PNPDE20100602_231516_000000442090_00030_43170_6045.N1	02-JUN-2010 23:15:16	Bright	43.500	127	27Bet Her	2.7810	4700.0	87	43170	No

131	GOM_TRA_1PNPDE20100602_231838_000000422090_00030_43170_6046.N1	02-JUN-2010 23:18:38	Bright	41.500	133	40Zet Her	2.8070	6000.0	83	43170	No
132	GOM_TRA_1PNPDE20100602_232639_000000392090_00030_43170_6047.N1	02-JUN-2010 23:26:39	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	43170	No
133	GOM_TRA_1PNPDE20100602_233655_000000332090_00030_43170_6048.N1	02-JUN-2010 23:36:55	Twilight_stray	33.000	89	5Alp Cep	2.4510	8000.0	66	43170	No
134	GOM_TRA_1PNPDE20100602_234208_000000562090_00030_43170_6049.N1	02-JUN-2010 23:42:08	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	43170	No
135	GOM_TRA_1PNPDE20100602_234957_000000502090_00030_43170_6050.N1	02-JUN-2010 23:49:57	Bright	49.500	53	43Bet And	2.0480	3300.0	99	43170	No
136	GOM_TRA_1PNPDE20100602_235242_000000412090_00030_43170_6051.N1	02-JUN-2010 23:52:42	Twilight_stray	41.000	58	21Alp And	2.0730	11000.	82	43170	No
137	GOM_TRA_1PNPDE20100602_235747_000000512090_00030_43170_6052.N1	02-JUN-2010 23:57:47	Dark	50.500	140	88Gam Peg	2.8340	26000.	101	43170	No

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



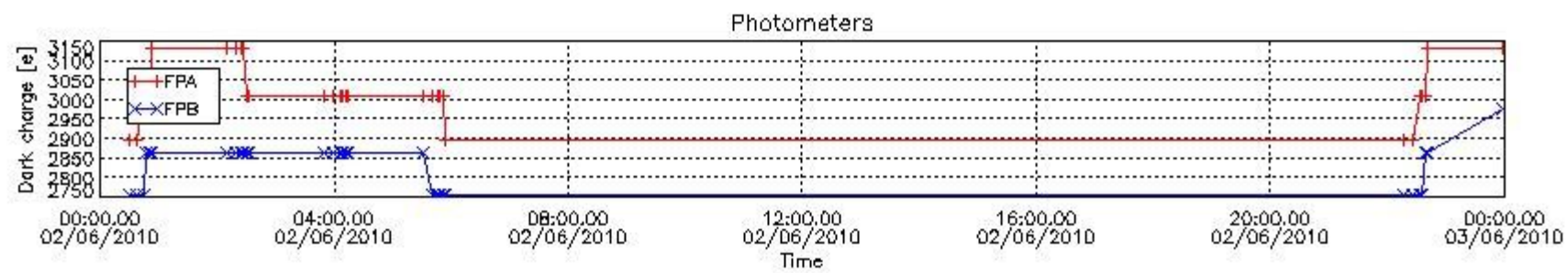
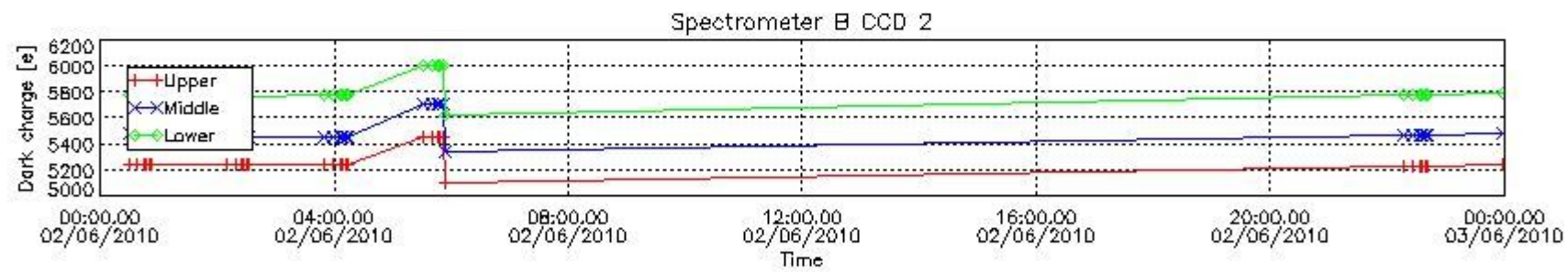
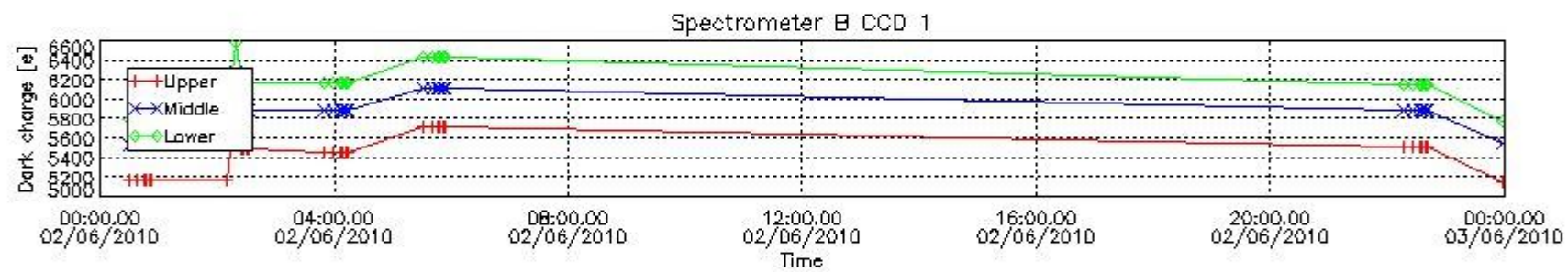
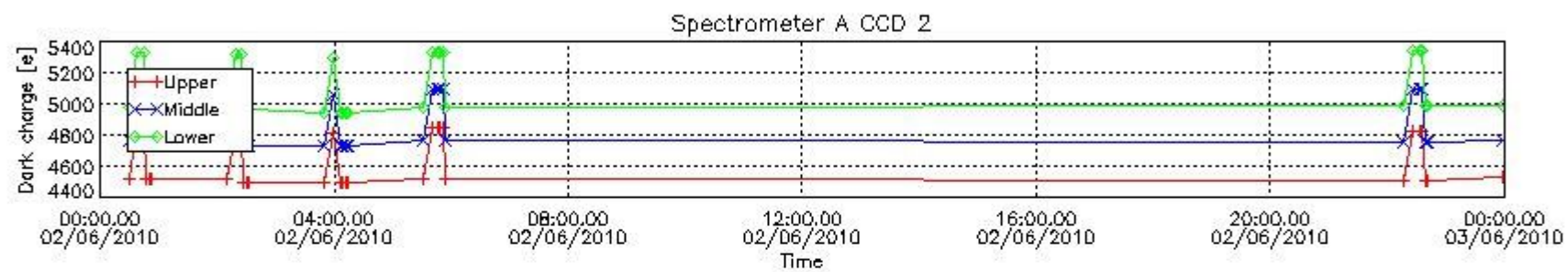
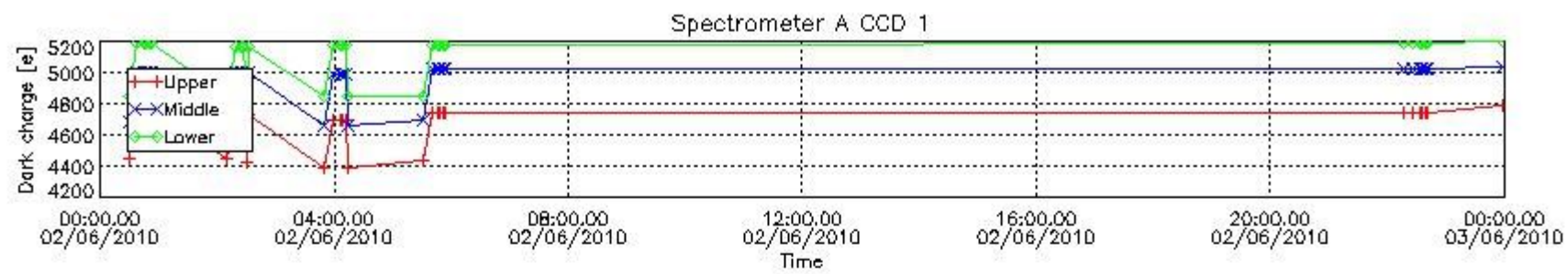
4. Overview of dark signal processing per product

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 All products used the DSA observation for the DC computation

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



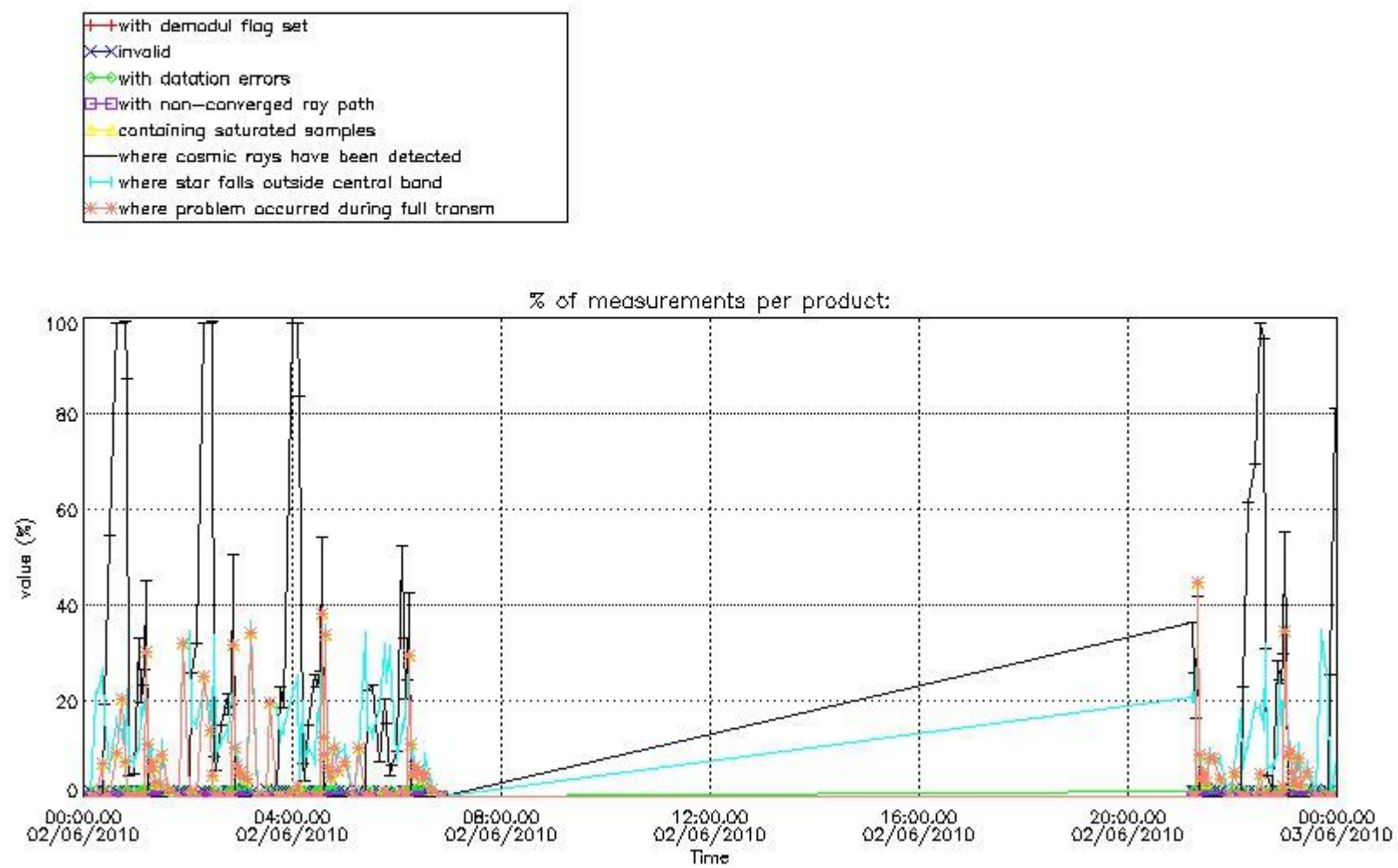
5. Demodulation flag and quality information monitoring

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.

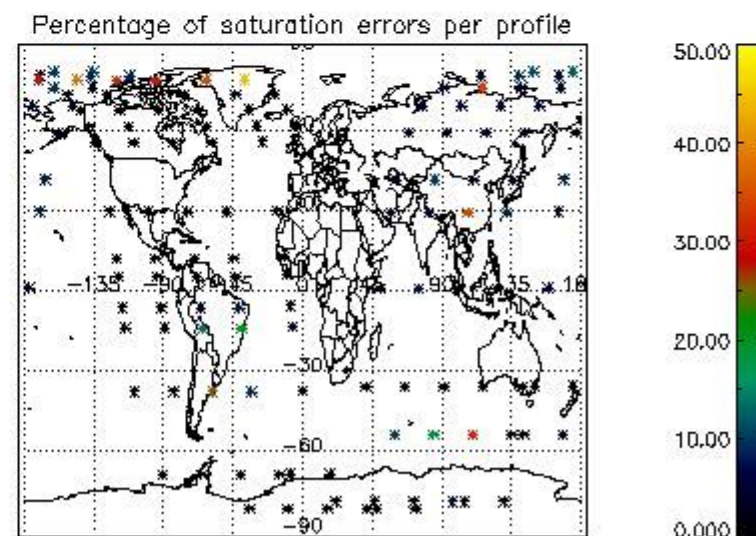
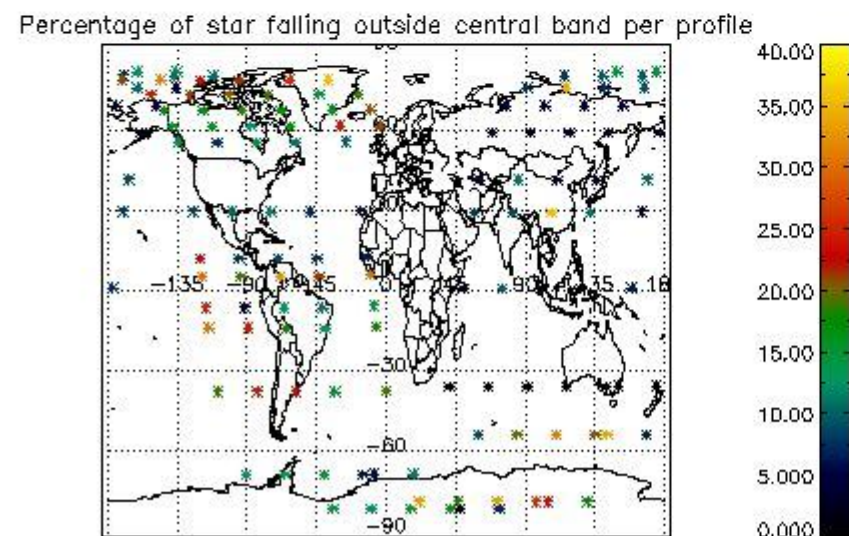
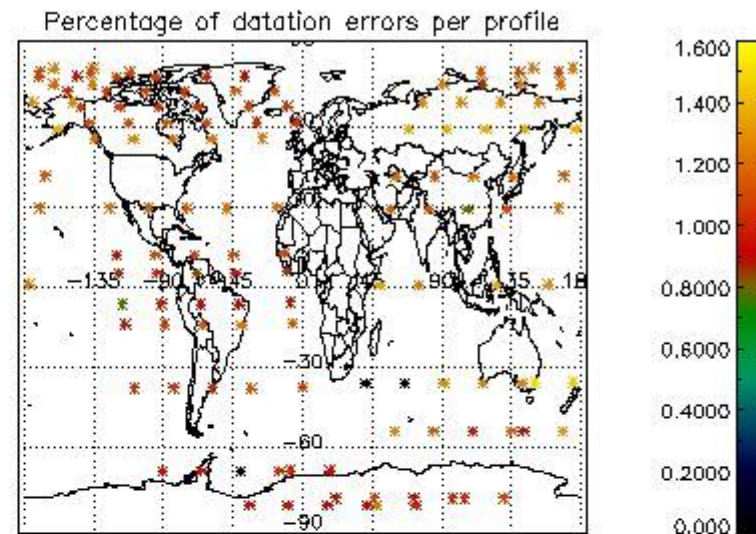
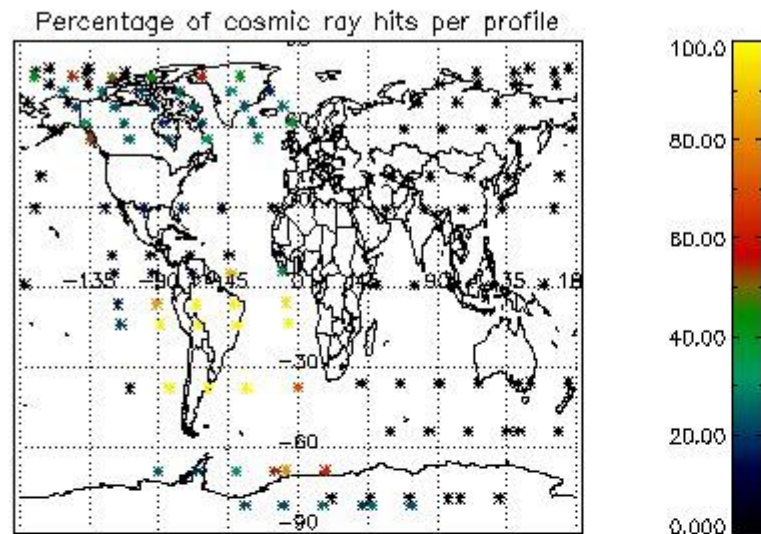
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	44.1176 %
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)



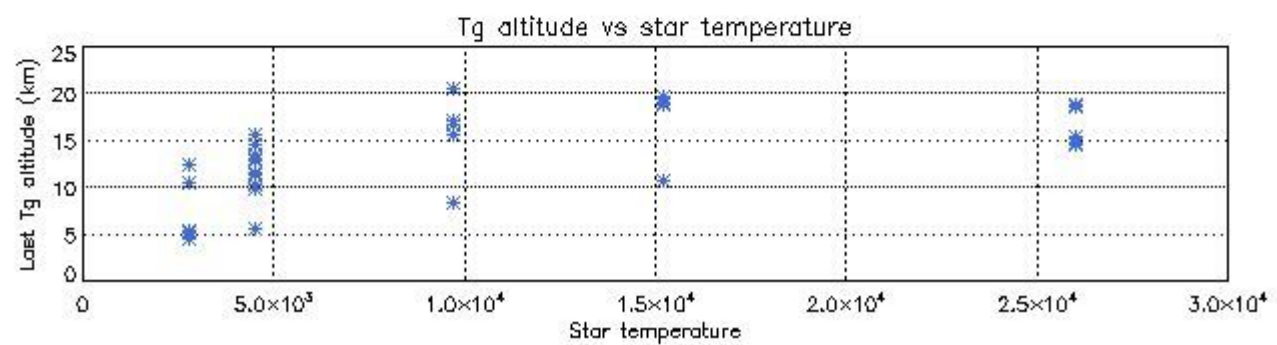
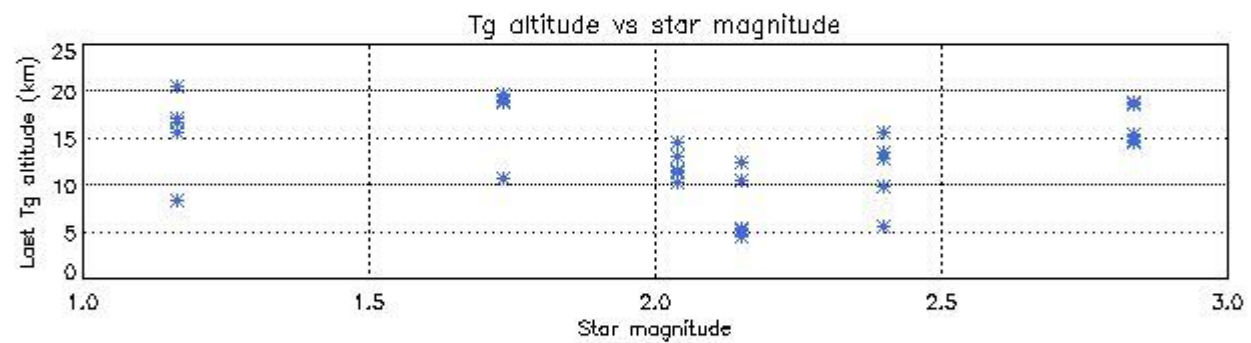
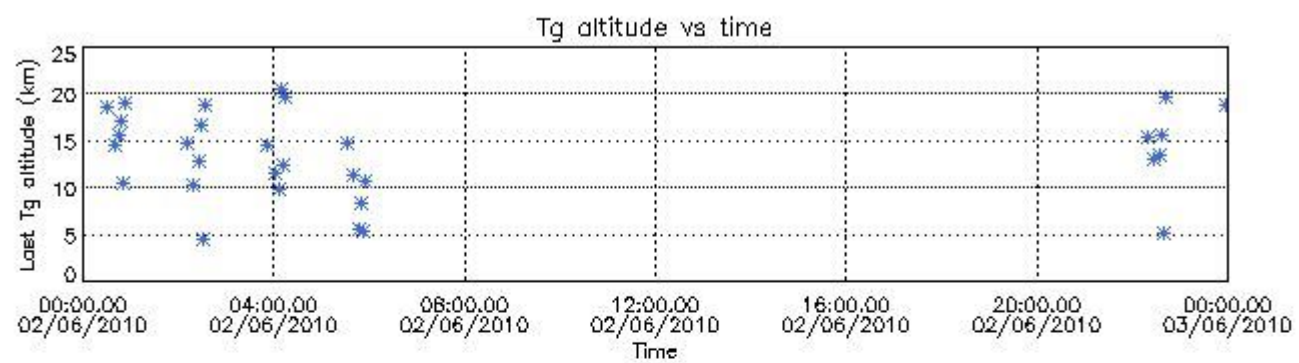
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.509	18.385	NaN
St. deviation:	4.5929	8.0768	NaN
Maximum:	20.528	41.634	NaN
Minimum:	4.4885	3.7232	NaN
Number of data:	31.000	69.000	NaN

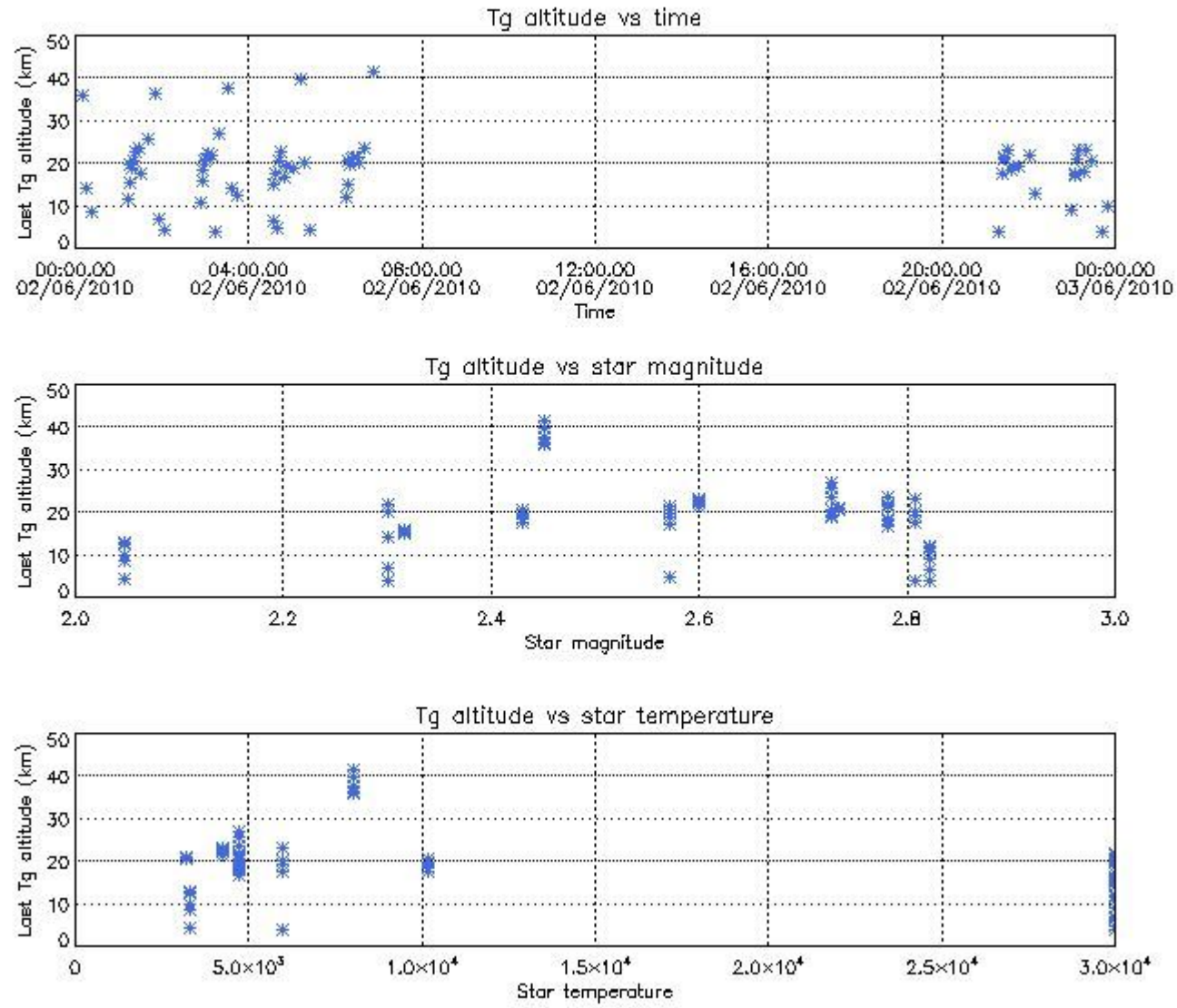
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

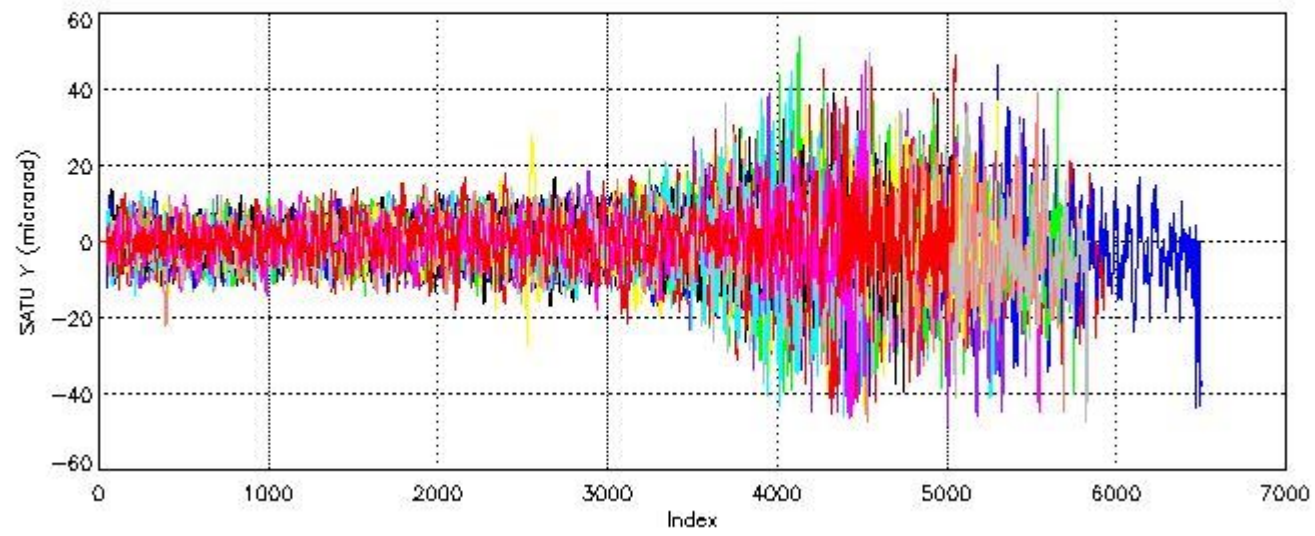
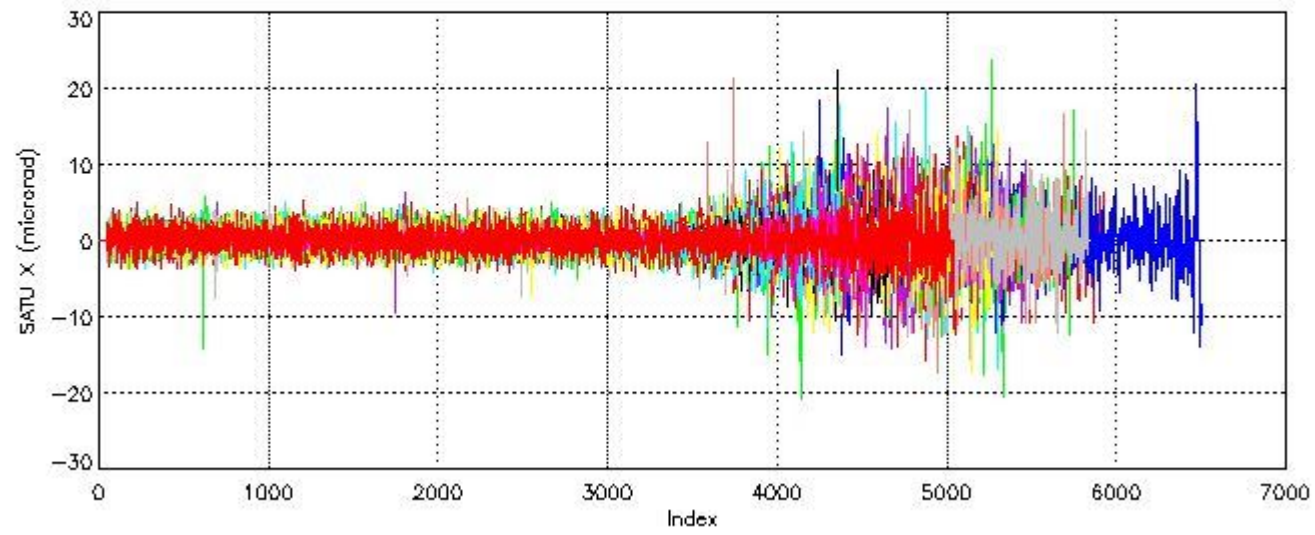


7. Star Acquisition and Tracking Unit (SATU)

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:	0.20831	-0.72687	0.22774	-0.73407
St. deviation:	0.58451	3.9314	0.79412	3.8114
Maximum:	5.7000	13.900	4.8000	17.000
Minimum:	-14.300	-21.900	-4.5000	-17.300

Number of data:	33150.	33150.	66950.	66950.
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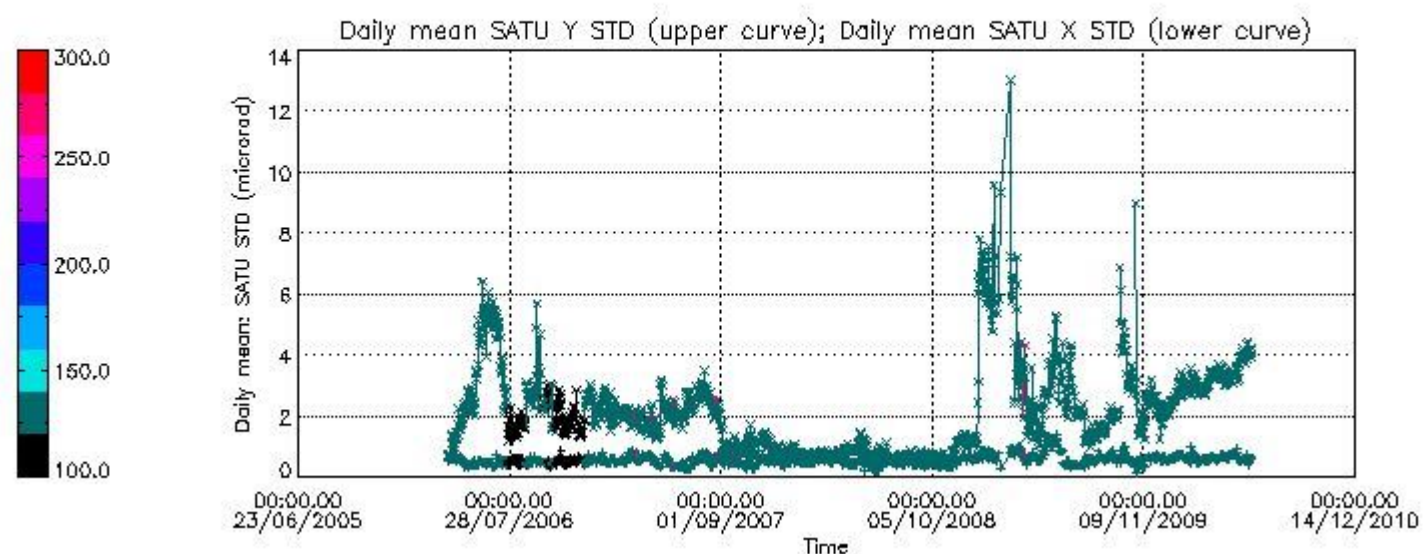
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

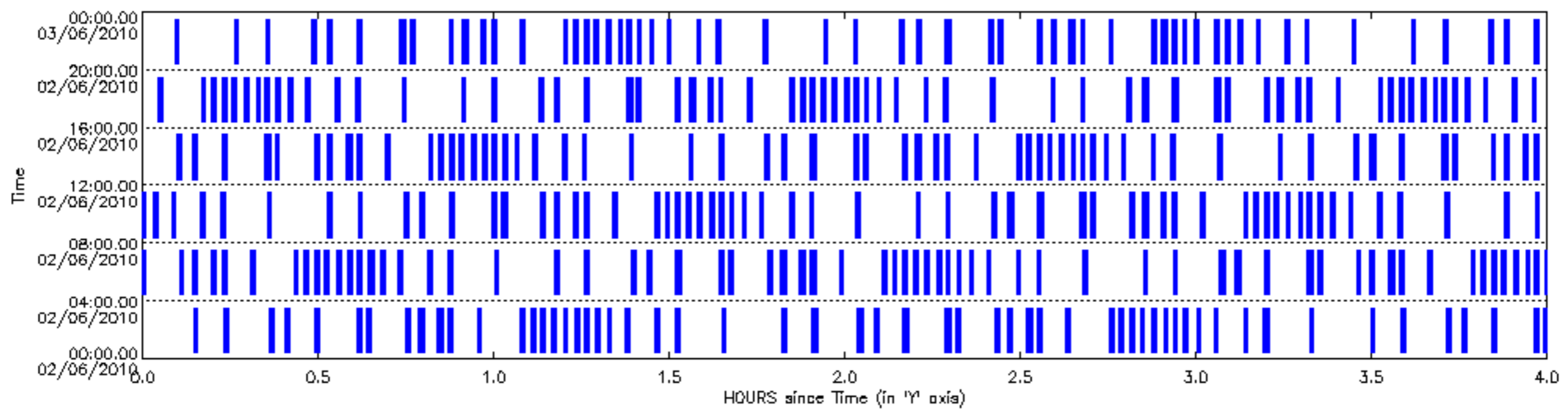
Lower curve: STD of SATU X axis

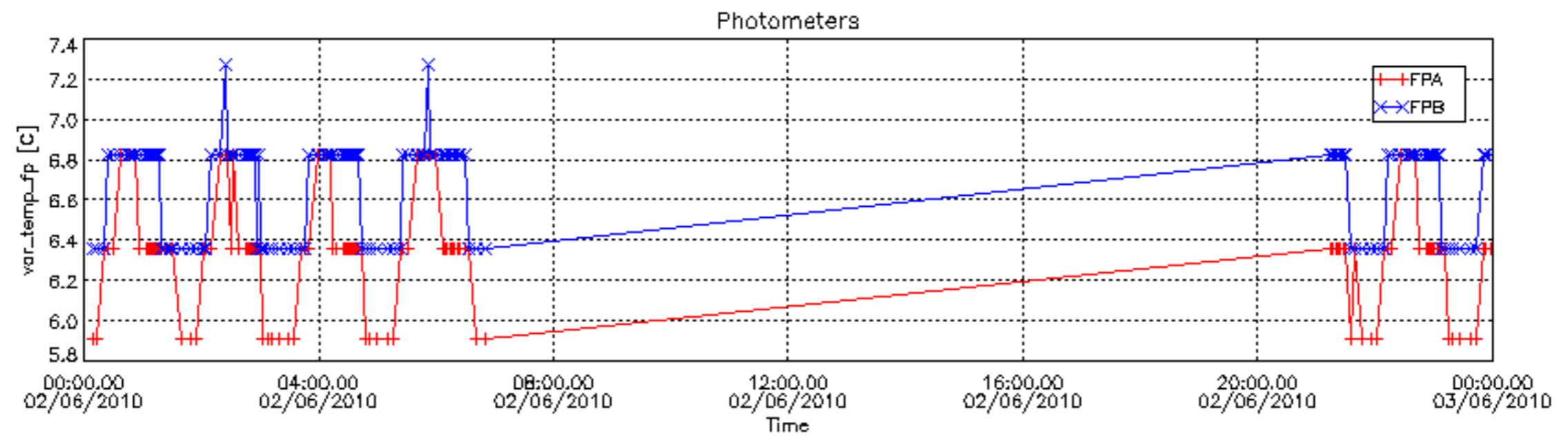
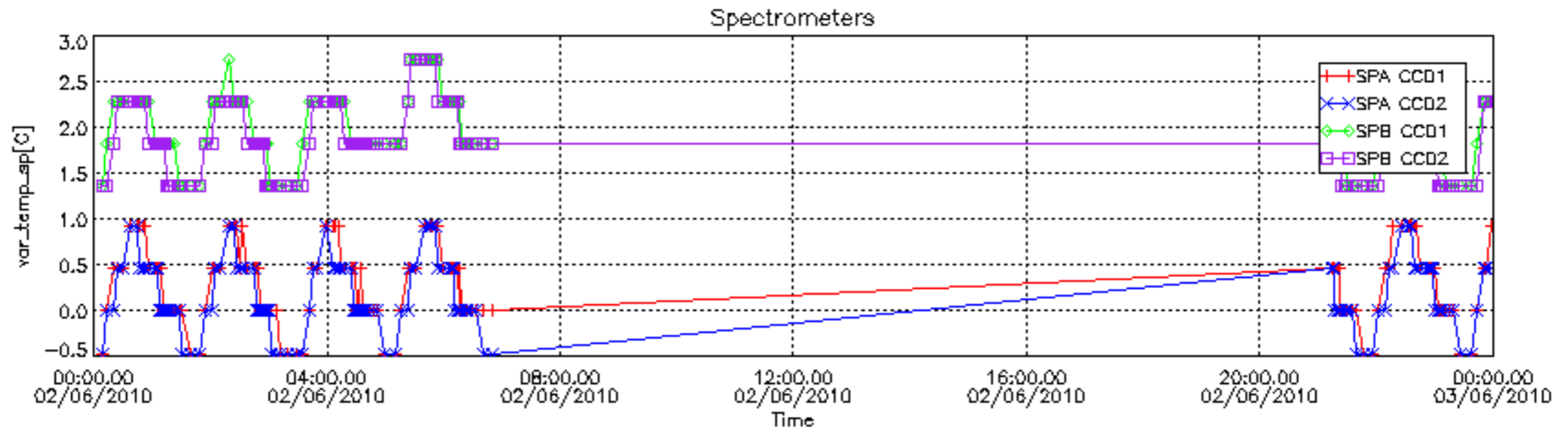


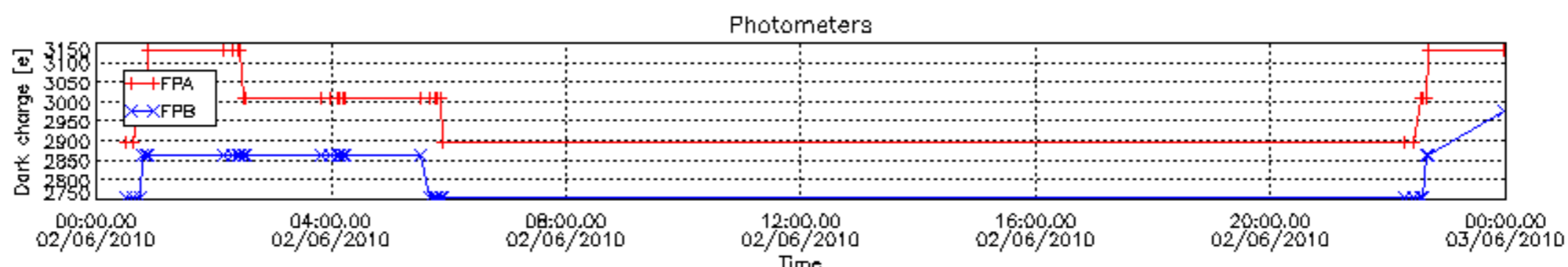
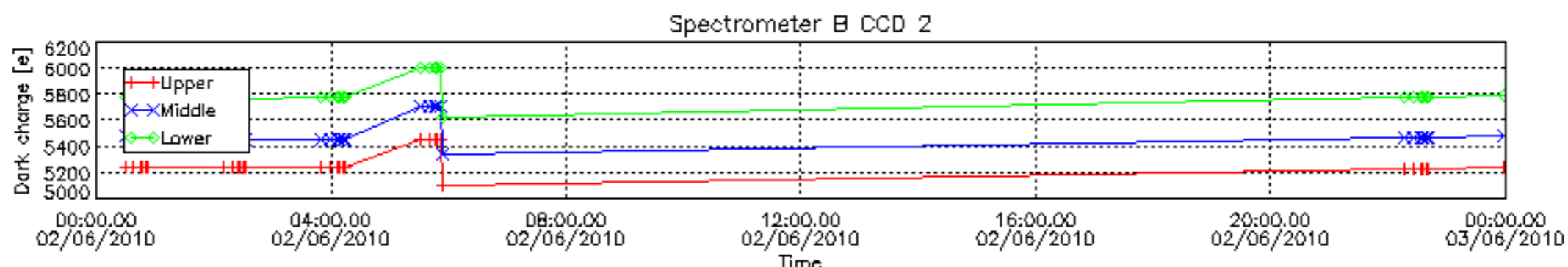
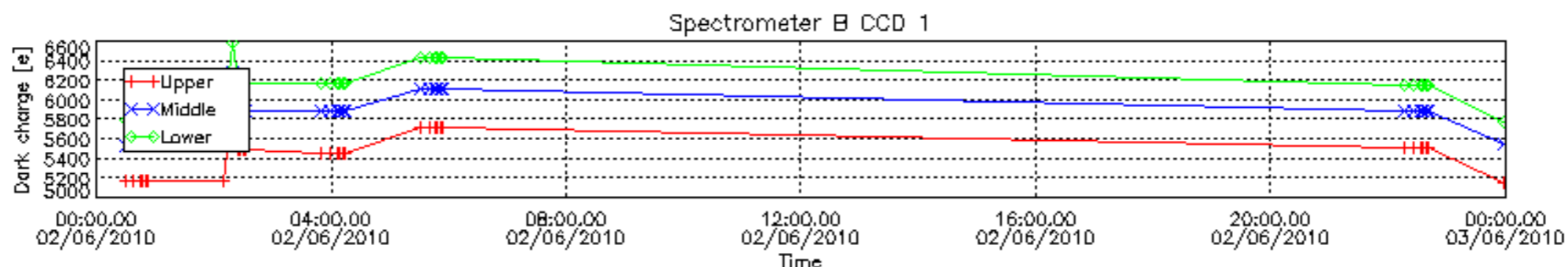
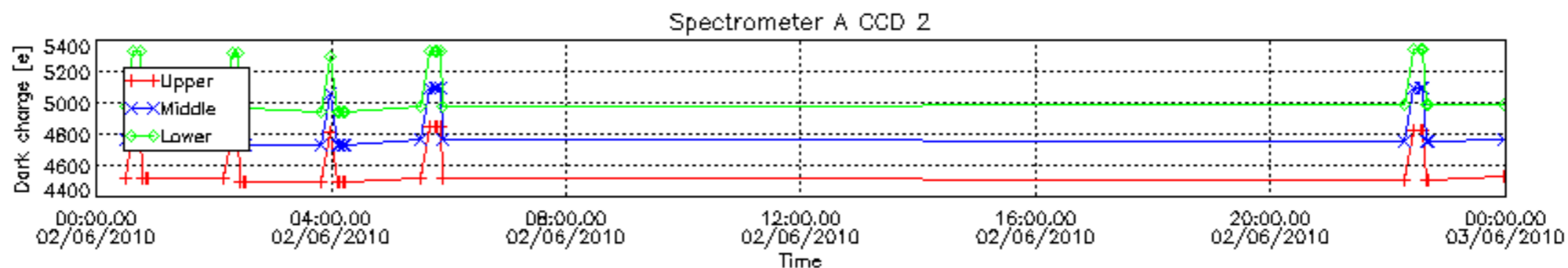
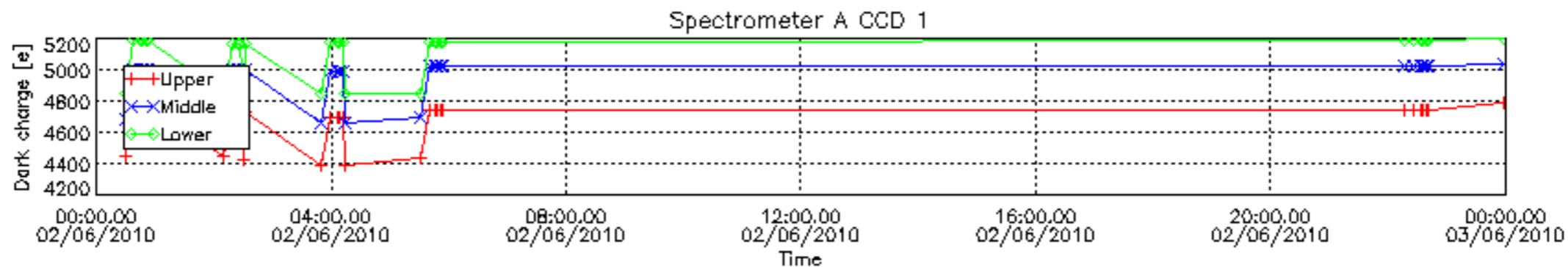
8. Auxiliary Data Files used for the production reported in section 2.4

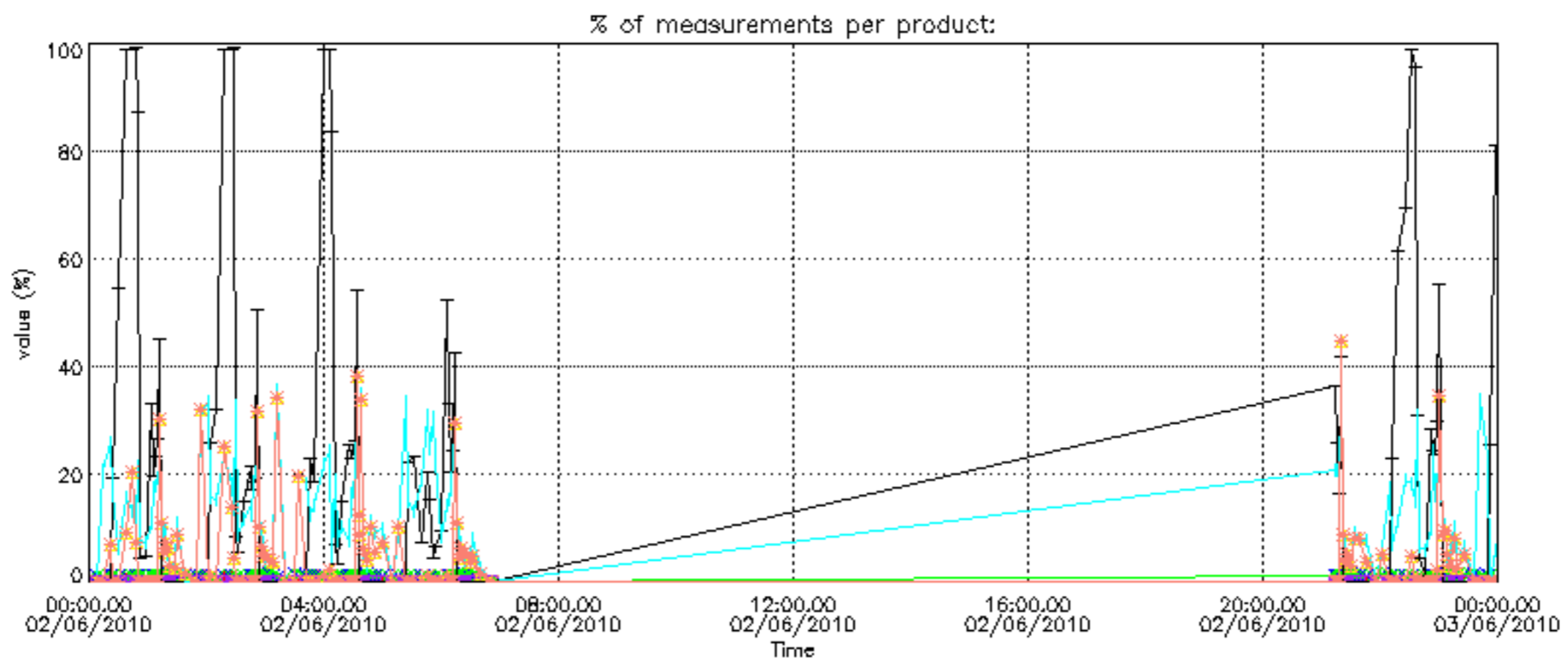
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	02-JUN-2010 00:08:41
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100526_084407_20100525_000000_20500101_000000	1	02-JUN-2010 00:08:41
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	02-JUN-2010 00:08:41
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	02-JUN-2010 00:08:41
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	02-JUN-2010 00:08:41
ECMWF_FILE	AUX_ECF_AXNECM20100601_054113_20100601_210000_20100602_090000	1	02-JUN-2010 00:08:41
ECMWF_FILE	AUX_ECF_AXNECM20100601_170456_20100602_030000_20100602_150000	49	02-JUN-2010 03:29:52
ECMWF_FILE	AUX_ECA_AXNECM20100602_052113_20100601_210000_20100602_090000	74	02-JUN-2010 05:15:34
ECMWF_FILE	AUX_ECF_AXNECM20100602_054112_20100602_210000_20100603_090000	98	02-JUN-2010 21:13:32
OPTIONAL_ECMWF_FILE	MISSING	1	02-JUN-2010 00:08:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100601_225329_000057382090_00015_43155_0468.N1	1	02-JUN-2010 00:08:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100602_003426_000054192090_00016_43156_0469.N1	6	02-JUN-2010 00:38:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100602_021004_000041442090_00017_43157_0470.N1	30	02-JUN-2010 02:18:54
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100602_032428_000060572090_00018_43158_0471.N1	49	02-JUN-2010 03:29:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100602_051043_000054192090_00019_43159_0472.N1	74	02-JUN-2010 05:15:34
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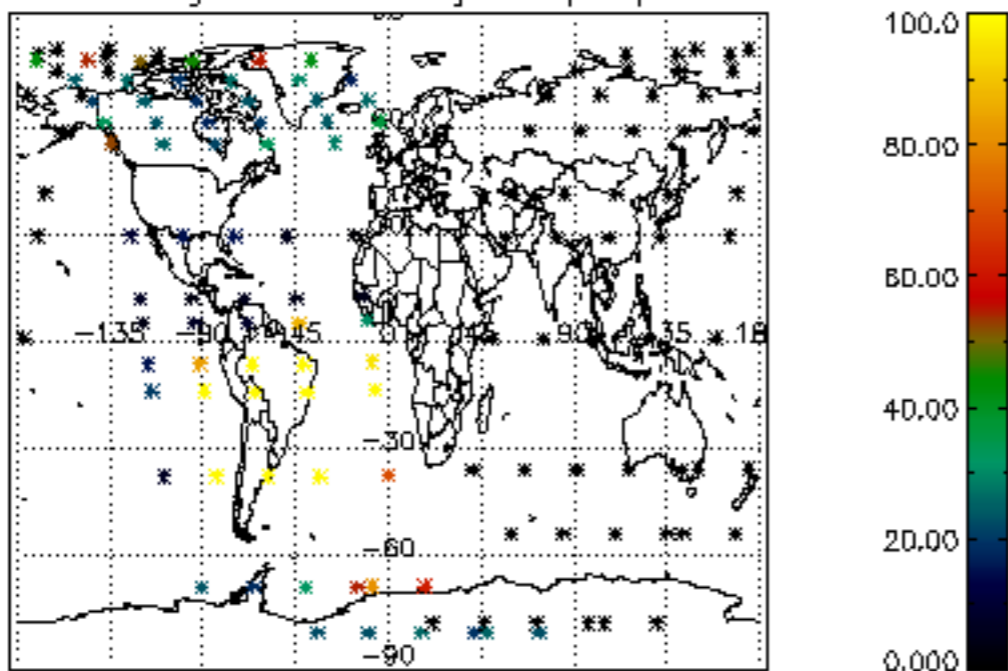




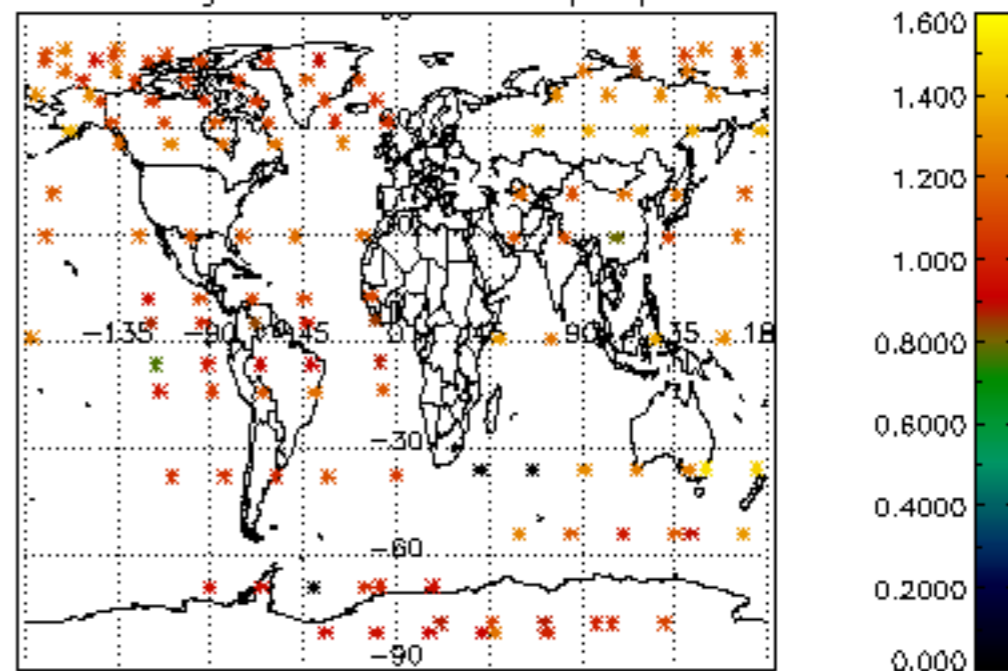




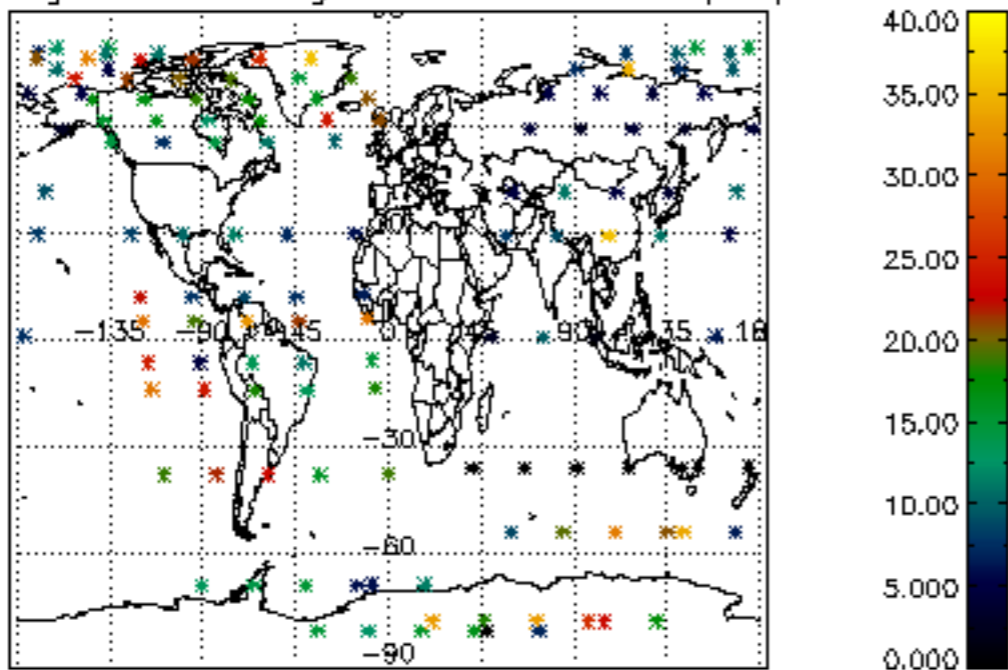
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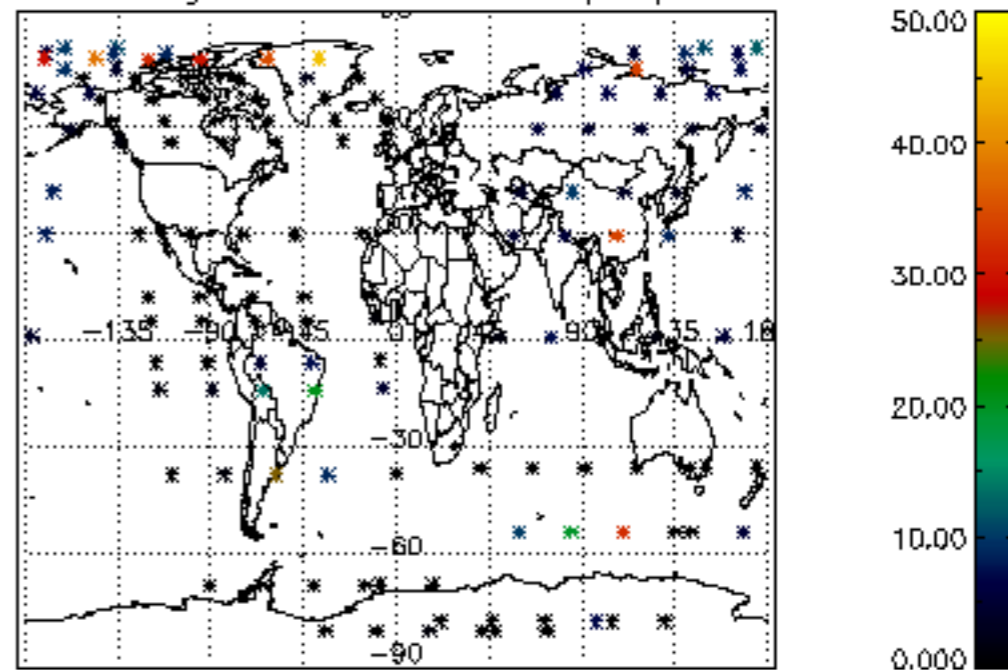
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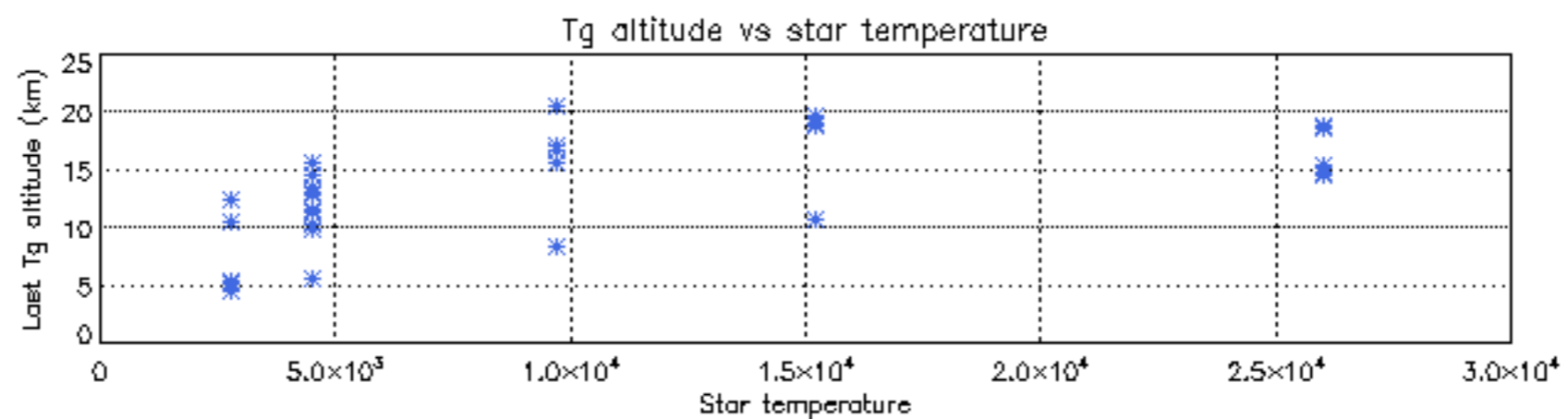
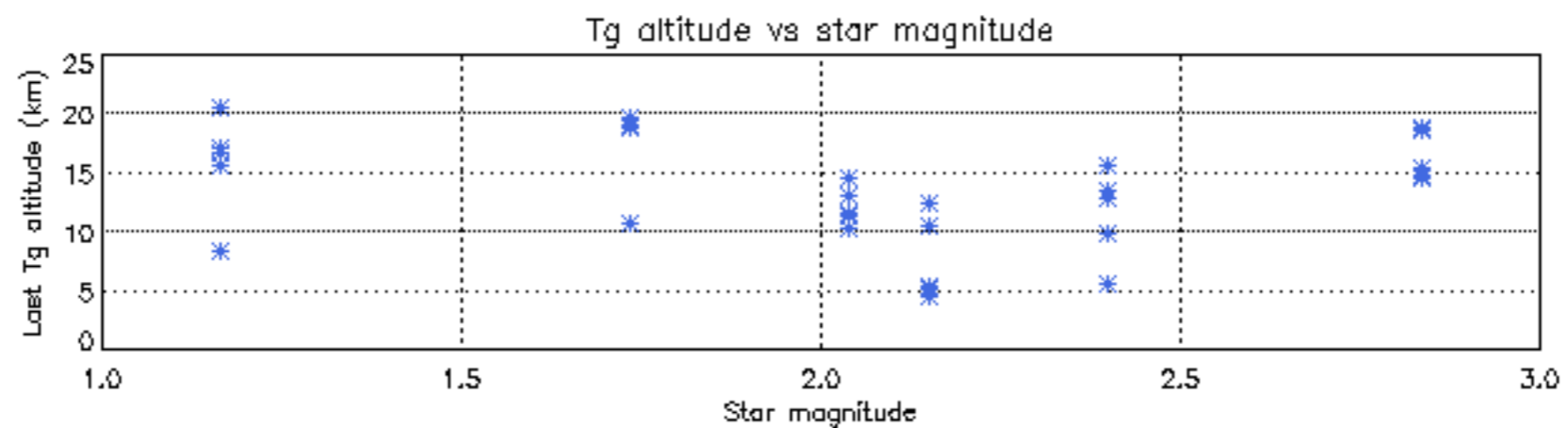
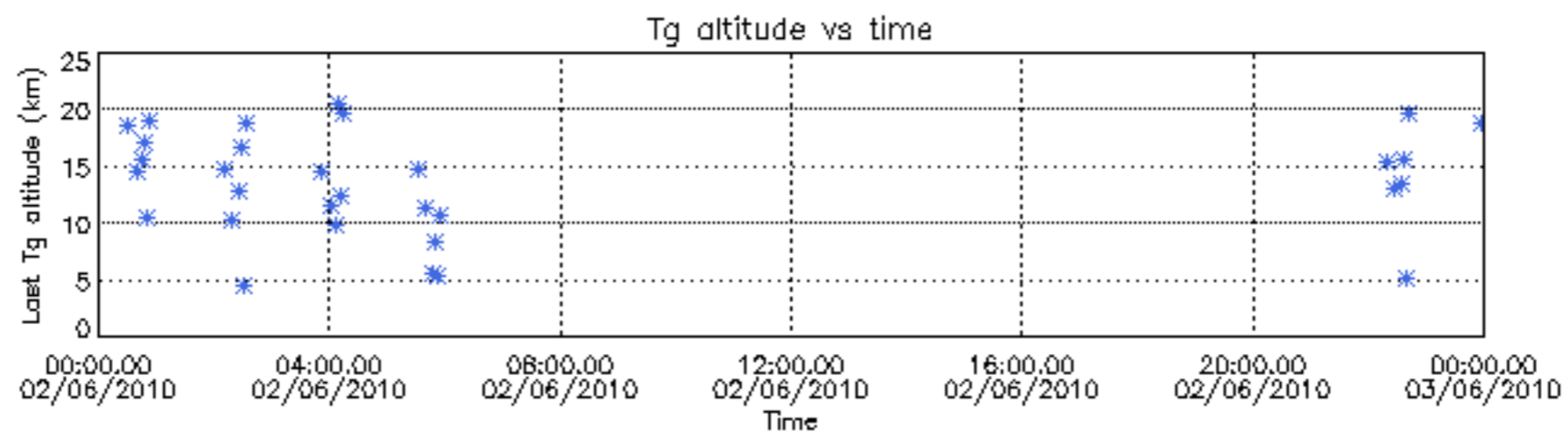
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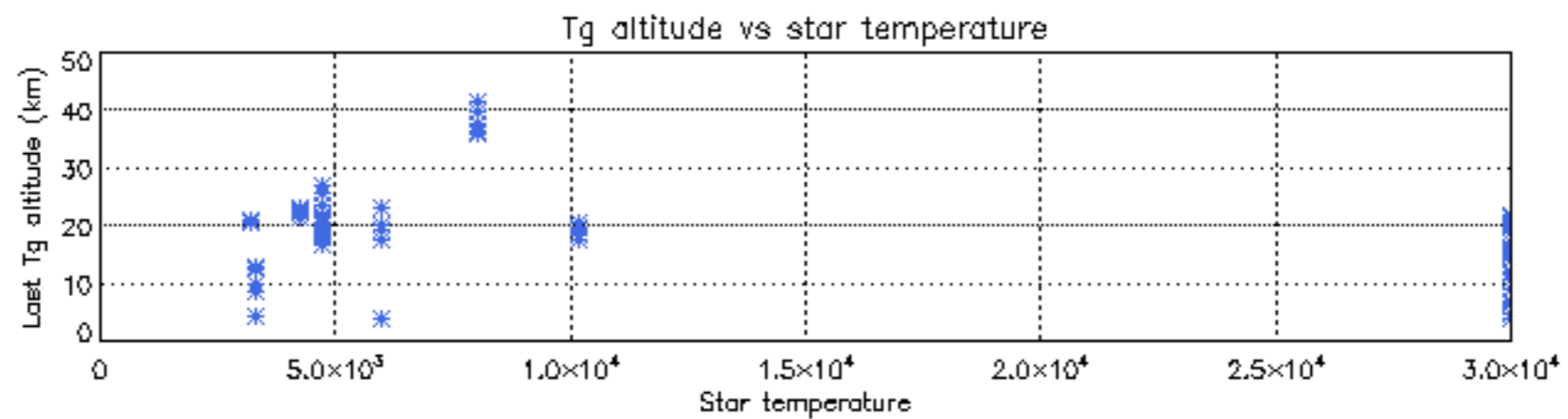
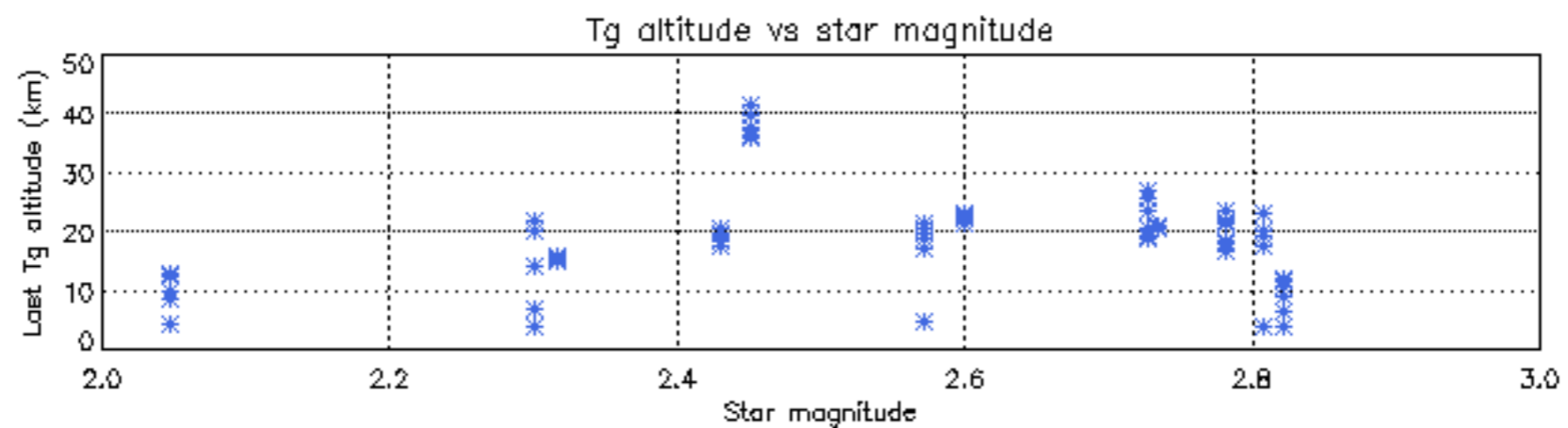
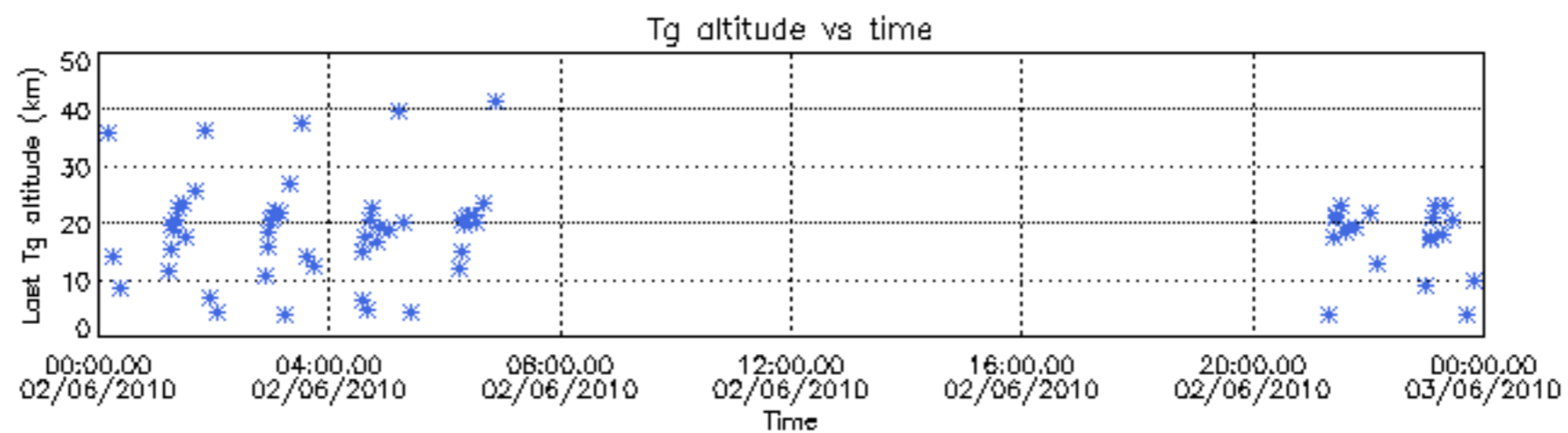
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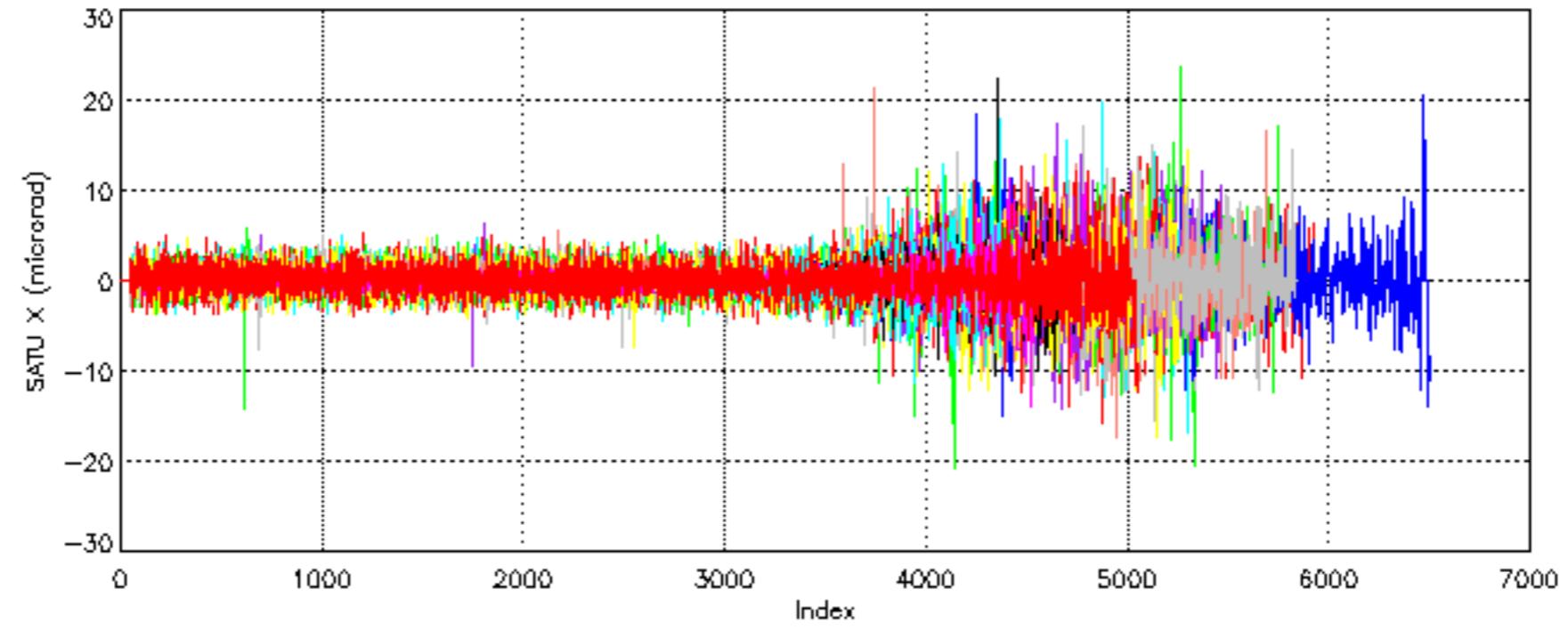


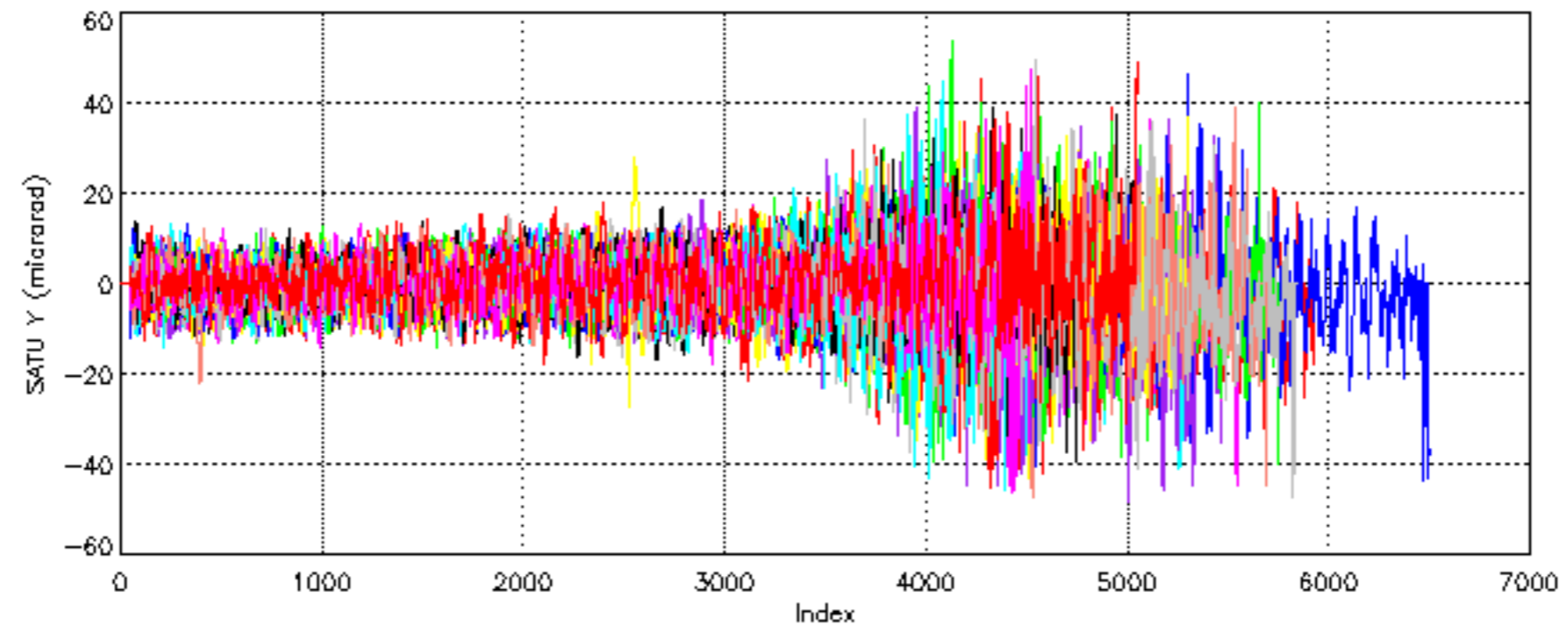
Tangent altitude at which the star is lost

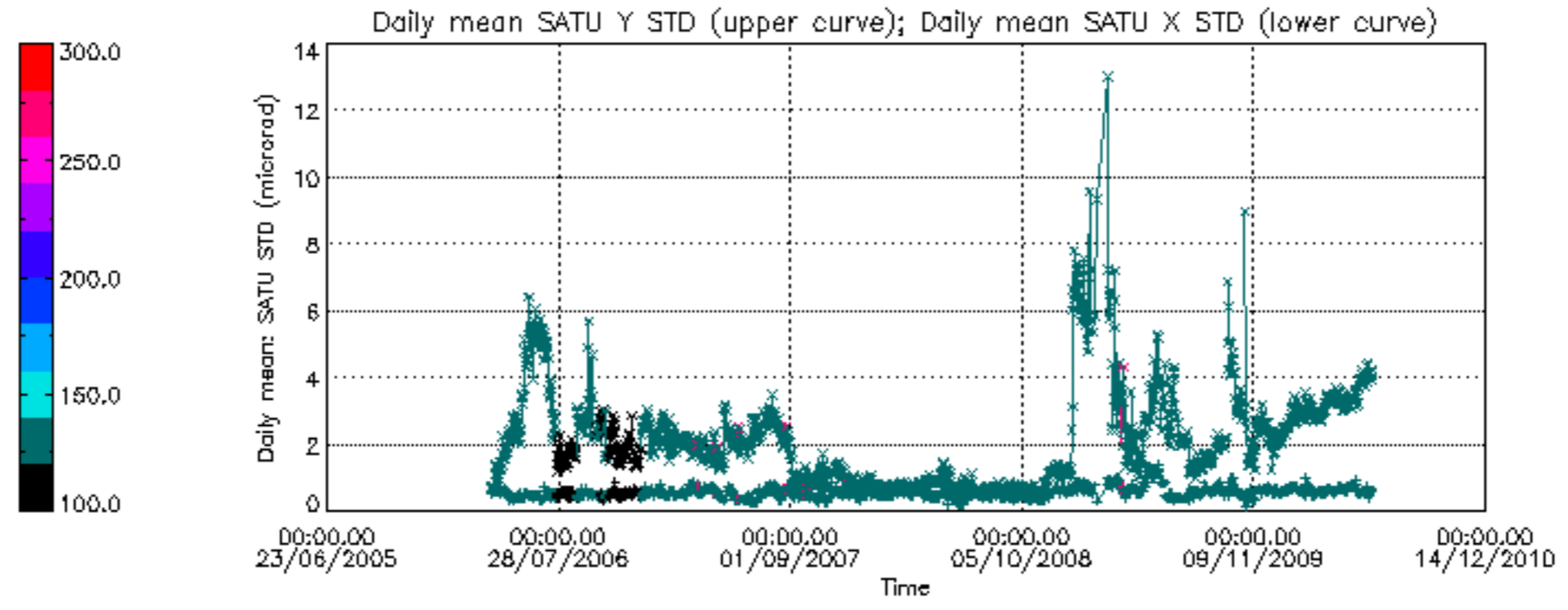


Tangent altitude at which the star is lost









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24; 4891.2; 06-JUN-2010 01:44:34; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;43214

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3; -201.5; 06-JUN-2010 02:00:17; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;43214
4; -30.1; 06-JUN-2010 02:03:08; Dark ; 70.5; 18; 24Alp PsA ; 1.17; 9700;occ; 141; 0;43214
5; 138.0; 06-JUN-2010 02:05:56; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;43215
6; 255.1; 06-JUN-2010 02:07:53; Dark ; 52.5; 31; Alp Gru ; 1.73; 15200;occ; 105; 0;43215
7; 535.0; 06-JUN-2010 02:12:33; Dark ; 45.5; 45; Alp Pav ; 1.94; 26000;occ; 91; 0;43215
8; 1065.1; 06-JUN-2010 02:21:23; Dark ; 44.0; 40; The Sco ; 1.86; 7100;occ; 88; 0;43215
9; 1171.4; 06-JUN-2010 02:23:10; Dark ; 46.5; 25; 35Lam Sco ; 1.62; 28000;occ; 93; 0;43215
10; 1270.3; 06-JUN-2010 02:24:49; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;43215
11; 1388.6; 06-JUN-2010 02:26:47; Dark ; 46.0; 136; 23Tau Sco ; 2.82; 30000;occ; 92; 0;43215
12; 1597.8; 06-JUN-2010 02:30:16; Bright; 44.0; 86; 35Eta Oph ; 2.43; 10200;occ; 88; 0;43215
13; 1705.7; 06-JUN-2010 02:32:04; Bright; 40.0; 98; 13Zet Oph ; 2.57; 30000;occ; 80; 0;43215
14; 1834.4; 06-JUN-2010 02:34:13; Bright; 38.0; 120; 1Del Oph ; 2.73; 3200;occ; 76; 0;43215
15; 2300.5; 06-JUN-2010 02:41:59; Bright; 42.0; 127; 27Bet Her ; 2.78; 4700;occ; 84; 0;43215
16; 2497.7; 06-JUN-2010 02:45:16; Bright; 40.5; 133; 40Zet Her ; 2.81; 6000;occ; 81; 0;43215
17; 2934.9; 06-JUN-2010 02:52:33; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;43215
18; 3586.4; 06-JUN-2010 03:03:25; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;43215

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3; -1774.2; 06-JUN-2010 03:14:40; Bright; 34.5; 73; 57Gam1And ; 2.26; 13100;occ; 69; 0;43215
4; -1635.8; 06-JUN-2010 03:16:58; Dark ; 59.0; 53; 43Bet And ; 2.05; 3300;occ; 118; 0;43215
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6; -1389.6; 06-JUN-2010 03:21:05; Dark ; 44.0; 105; 6Bet Ari ; 2.64; 8900;occ; 88; 0;43215
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9; -597.4; 06-JUN-2010 03:34:17; Dark ; 49.5; 52; 16Bet Cet ; 2.04; 4500;occ; 99; 0;43215
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13; 256.6; 06-JUN-2010 03:48:31; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43216
14; 535.7; 06-JUN-2010 03:53:10; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43216
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21; 1834.4; 06-JUN-2010 04:14:49; Bright; 38.0; 120; 1Del Oph ; 2.73; 3200;occ; 76; 0;43216
22; 2300.6; 06-JUN-2010 04:22:35; Bright; 39.5; 127; 27Bet Her ; 2.78; 4700;occ; 79; 0;43216
23; 2497.7; 06-JUN-2010 04:25:52; Bright; 42.5; 133; 40Zet Her ; 2.81; 6000;occ; 85; 0;43216
24; 2934.5; 06-JUN-2010 04:33:09; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;43216
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 6; -1143.6; 06-JUN-2010 05:05:47; Dark ; 35.0; 140; 88Gam Peg ; 2.83; 26000;occ; 70; 0;43216
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 9; -200.4; 06-JUN-2010 05:21:30; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;43216
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 12; 257.8; 06-JUN-2010 05:29:08; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43217
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 18; 1706.1; 06-JUN-2010 05:53:16; Bright; 38.5; 98; 13Zet Oph ; 2.57; 30000;occ; 77; 0;43217
 19; 1834.7; 06-JUN-2010 05:55:25; Bright; 37.5; 120; 1Del Oph ; 2.73; 3200;occ; 75; 0;43217
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 22; 2933.9; 06-JUN-2010 06:13:44; Bright; 44.5; 130; 23Bet Dra ; 2.80; 5800;occ; 89; 0;43217
 23; 3584.8; 06-JUN-2010 06:24:35; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;43217

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 11; 140.6; 06-JUN-2010 07:07:47; Dark ; 63.0; 63; Bet Gru ; 2.15; 2800;occ; 126; 0;43218
 12; 258.4; 06-JUN-2010 07:09:45; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43218
 13; 537.0; 06-JUN-2010 07:14:23; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43218
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 4; 2496.8; 06-JUN-2010 07:47:03; Bright; 43.5; 133; 40Zet Her ; 2.81; 6000;occ; 87; 0;43218
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 16; 6177.8; 06-JUN-2010 08:48:24; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;43219
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 18; 6573.9; 06-JUN-2010 08:55:00; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43219
 19; 7102.9; 06-JUN-2010 09:03:49; Dark ; 45.5; 40; The Sco ; 1.86; 7100;occ; 91; 0;43219
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 23; 7633.9; 06-JUN-2010 09:12:40; Bright; 44.0; 86; 35Eta Oph ; 2.43; 10200;occ; 88; 0;43219
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 11; 5353.1; 06-JUN-2010 10:15:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43219
 12; 5441.4; 06-JUN-2010 10:16:44; Dark ; 51.0; 52; 16Bet Cet ; 2.04; 4500;occ; 102; 0;43219
 13; 5837.6; 06-JUN-2010 10:23:20; Dark ; 44.5; 84; Alp Phe ; 2.40; 4500;occ; 89; 0;43219
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 15; 6178.8; 06-JUN-2010 10:29:01; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;43220
 16; 6296.7; 06-JUN-2010 10:30:59; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43220
 17; 6574.2; 06-JUN-2010 10:35:36; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43220
 18; 7103.3; 06-JUN-2010 10:44:25; Dark ; 44.5; 40; The Sco ; 1.86; 7100;occ; 89; 0;43220
 19; 7209.3; 06-JUN-2010 10:46:11; Dark ; 46.0; 25; 35Lam Sco ; 1.62; 28000;occ; 92; 0;43220
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 21; 7425.7; 06-JUN-2010 10:49:48; Dark ; 45.5; 136; 23Tau Sco ; 2.82; 30000;occ; 91; 0;43220
 22; 7633.9; 06-JUN-2010 10:53:16; Bright; 43.5; 86; 35Eta Oph ; 2.43; 10200;occ; 87; 0;43220
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 11; 5354.2; 06-JUN-2010 11:55:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43220
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 22; 7489.9; 22-JUN-2010 09:07:23; Bright; 52.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 104; 0;43448
 23; 7661.1; 22-JUN-2010 09:10:14; Bright; 37.5; 86; 35Eta Oph ; 2.43; 10200;occ; 75; 0;43448

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 5; 2837.4; 22-JUN-2010 09:30:27; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;43448
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 7; 3844.0; 22-JUN-2010 09:47:13; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;43448
 8; 3934.8; 22-JUN-2010 09:48:44; Bright; 43.5; 68; 18Alp Cas ; 2.22; 4500;occ; 87; 0;43448
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 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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 11; 496.6; 23-JUN-2010 06:39:13; Dark ; 53.5; 31; Alp Gru ; 1.73; 15200;occ; 107; 0;43461
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3; 384.5; 23-JUN-2010 23:23:20; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;43471
4; 506.4; 23-JUN-2010 23:25:22; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43471
5; 691.3; 23-JUN-2010 23:28:27; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43471
6; 1244.0; 23-JUN-2010 23:37:40; Dark ; 42.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 85; 0;43471
7; 1329.1; 23-JUN-2010 23:39:05; Dark ; 57.5; 116; 19Del Sgr ; 2.70; 4100;occ; 115; 0;43471
8; 1459.2; 23-JUN-2010 23:41:15; Bright; 50.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 100; 0;43471
9; 1988.1; 23-JUN-2010 23:50:04; Bright; 39.5; 126; 60Bet Oph ; 2.77; 4250;occ; 79; 0;43471
10; 2132.4; 23-JUN-2010 23:52:28; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;43471
11; 2446.6; 23-JUN-2010 23:57:42; Bright; 34.5; 133; 40Zet Her ; 2.81; 6000;occ; 69; 0;43471
12; 2711.5; 24-JUN-2010 00:02:07; Bright; 48.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 97; 0;43471

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15; 3834.2; 24-JUN-2010 00:20:50; Bright; 67.0; 74; 11Bet Cas ; 2.27; 6600;occ; 134; 0;43471
16; 3927.2; 24-JUN-2010 00:22:23; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;43471
17; 4064.7; 24-JUN-2010 00:24:40; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43471
18; 4270.2; 24-JUN-2010 00:28:06; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;43471
19; 4416.1; 24-JUN-2010 00:30:32; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;43471
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21; 4938.8; 24-JUN-2010 00:39:14; Dark ; 37.5; 94; 92Alp Cet ; 2.53; 3100;occ; 75; 0;43471
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 3; 385.5; 24-JUN-2010 01:03:57; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;43472
 4; 507.2; 24-JUN-2010 01:05:59; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;43472
 5; 691.9; 24-JUN-2010 01:09:03; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43472
 6; 1244.6; 24-JUN-2010 01:18:16; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;43472
 7; 1329.6; 24-JUN-2010 01:19:41; Dark ; 54.0; 116; 19Del Sgr ; 2.70; 4100;occ; 108; 0;43472
 8; 1459.5; 24-JUN-2010 01:21:51; Bright; 51.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 102; 0;43472
 9; 1988.2; 24-JUN-2010 01:30:40; Bright; 39.5; 126; 60Bet Oph ; 2.77; 4250;occ; 79; 0;43472
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11; 2446.4; 24-JUN-2010 01:38:18; Bright; 34.5; 133; 40Zet Her ; 2.81; 6000;occ; 69; 0;43472
12; 2710.8; 24-JUN-2010 01:42:42; Bright; 51.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 103; 0;43472
13; 2830.4; 24-JUN-2010 01:44:42; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;43472
14; 3414.0; 24-JUN-2010 01:54:25; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;43472
15; 3833.7; 24-JUN-2010 02:01:25; Bright; 59.5; 74; 11Bet Cas ; 2.27; 6600;occ; 119; 0;43472
16; 3926.6; 24-JUN-2010 02:02:58; Bright; 46.5; 68; 18Alp Cas ; 2.22; 4500;occ; 93; 0;43472
17; 4064.8; 24-JUN-2010 02:05:16; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 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
 7; 1329.5; 24-JUN-2010 03:00:17; Dark ; 56.0; 116; 19Del Sgr ; 2.70; 4100;occ; 112; 0;43473
 8; 1459.7; 24-JUN-2010 03:02:27; Bright; 51.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 102; 0;43473
 9; 1987.9; 24-JUN-2010 03:11:15; Bright; 39.5; 126; 60Bet Oph ; 2.77; 4250;occ; 79; 0;43473
10; 2132.0; 24-JUN-2010 03:13:39; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;43473
11; 2446.5; 24-JUN-2010 03:18:54; Bright; 35.5; 133; 40Zet Her ; 2.81; 6000;occ; 71; 0;43473
12; 2710.0; 24-JUN-2010 03:23:17; Bright; 49.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 99; 0;43473
13; 2830.2; 24-JUN-2010 03:25:17; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;43473
14; 3413.0; 24-JUN-2010 03:35:00; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;43473
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 2;-2109.4; 24-JUN-2010 03:43:34; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;43473
 3;-1971.1; 24-JUN-2010 03:45:52; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43473
 4;-1765.9; 24-JUN-2010 03:49:17; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;43473
 5;-1619.5; 24-JUN-2010 03:51:44; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;43473
 6;-1387.1; 24-JUN-2010 03:55:36; Dark ; 55.0; 50; 13Alp Ari ; 2.01; 4250;occ; 110; 0;43473
 7;-1096.6; 24-JUN-2010 04:00:27; Dark ; 37.5; 94; 92Alp Cet ; 2.53; 3100;occ; 75; 0;43473
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 9; -1.0; 24-JUN-2010 04:18:42; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;43473
10; 387.5; 24-JUN-2010 04:25:11; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;43474
11; 509.0; 24-JUN-2010 04:27:12; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;43474
12; 693.1; 24-JUN-2010 04:30:16; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;43474
13; 1245.2; 24-JUN-2010 04:39:28; Dark ; 44.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 88; 0;43474
14; 1330.1; 24-JUN-2010 04:40:53; Dark ; 51.0; 116; 19Del Sgr ; 2.70; 4100;occ; 102; 0;43474
15; 1459.9; 24-JUN-2010 04:43:03; Bright; 51.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 102; 0;43474
16; 1988.1; 24-JUN-2010 04:51:51; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;43474
17; 2131.7; 24-JUN-2010 04:54:15; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;43474
18; 2446.6; 24-JUN-2010 04:59:30; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;43474
19; 2709.6; 24-JUN-2010 05:03:53; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;43474
20; 2829.6; 24-JUN-2010 05:05:53; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;43474
21; 3412.7; 24-JUN-2010 05:15:36; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;43474

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 3; -1971.2; 24-JUN-2010 05:26:28; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43474
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 5; -1619.7; 24-JUN-2010 05:32:20; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;43474
 6; -1386.8; 24-JUN-2010 05:36:12; Dark ; 52.5; 50; 13Alp Ari ; 2.01; 4250;occ; 105; 0;43474
 7; -1096.4; 24-JUN-2010 05:41:03; Dark ; 38.0; 94; 92Alp Cet ; 2.53; 3100;occ; 76; 0;43474
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 9; -0.3; 24-JUN-2010 05:59:19; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;43474
 10; 388.1; 24-JUN-2010 06:05:47; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;43475
 11; 510.0; 24-JUN-2010 06:07:49; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;43475
 12; 693.5; 24-JUN-2010 06:10:53; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43475
 13; 1245.7; 24-JUN-2010 06:20:05; Dark ; 47.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 94; 0;43475
 14; 1330.4; 24-JUN-2010 06:21:30; Dark ; 48.0; 116; 19Del Sgr ; 2.70; 4100;occ; 96; 0;43475
 15; 1460.1; 24-JUN-2010 06:23:39; Bright; 50.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 100; 0;43475
 16; 1987.9; 24-JUN-2010 06:32:27; Bright; 40.0; 126; 60Bet Oph ; 2.77; 4250;occ; 80; 0;43475
 17; 2131.6; 24-JUN-2010 06:34:51; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;43475
 18; 2446.4; 24-JUN-2010 06:40:06; Bright; 38.0; 133; 40Zet Her ; 2.81; 6000;occ; 76; 0;43475
 19; 2708.7; 24-JUN-2010 06:44:28; Bright; 49.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 99; 0;43475
 20; 2829.7; 24-JUN-2010 06:46:29; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;43475
 21; 3411.8; 24-JUN-2010 06:56:11; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;43475

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 3; 1461.8; 24-JUN-2010 19:48:28; Bright; 51.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 103; 0;43483
 4; 1986.8; 24-JUN-2010 19:57:13; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;43483
 5; 2130.3; 24-JUN-2010 19:59:37; Bright; 40.5; 59; 55Alp Oph ; 2.08; 8900;occ; 81; 0;43483
 6; 2703.6; 24-JUN-2010 20:09:10; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;43483
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 8; 3406.5; 24-JUN-2010 20:20:53; Bright; 48.0; 89; 5Alp Cep ; 2.45; 8000;occ; 96; 0;43483
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 10; 3922.7; 24-JUN-2010 20:29:29; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;43483
 11; 4065.0; 24-JUN-2010 20:31:52; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43483
 12; 4270.4; 24-JUN-2010 20:35:17; Bright; 45.0; 73; 57Gam1And ; 2.26; 13100;occ; 90; 0;43483
 13; 4417.3; 24-JUN-2010 20:37:44; Dark ; 31.0; 53; 43Bet And ; 2.05; 3300;occ; 62; 0;43483
 14; 4651.6; 24-JUN-2010 20:41:38; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;43483

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 8; 1332.8; 24-JUN-2010 21:26:55; Dark ; 54.0; 116; 19Del Sgr ; 2.70; 4100;occ; 108; 0;43484
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 11; 2130.1; 24-JUN-2010 21:40:13; Bright; 41.0; 59; 55Alp Oph ; 2.08; 8900;occ; 82; 0;43484
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 13; 2827.1; 24-JUN-2010 21:51:50; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;43484
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 15; 3828.6; 24-JUN-2010 22:08:31; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;43484
 16; 3922.2; 24-JUN-2010 22:10:05; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;43484
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 9; 1462.1; 24-JUN-2010 23:09:41; Bright; 50.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 100; 0;43485


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19; 4417.2; 24-JUN-2010 23:58:56; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;43485
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3; 10.0; 25-JUN-2010 00:26:04; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;43486
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9; 12.0; 25-JUN-2010 03:47:18; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;43488
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17; 2130.0; 25-JUN-2010 04:22:36; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;43488
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19; 2826.3; 25-JUN-2010 04:34:12; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;43488
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 3; -1971.3; 25-JUN-2010 04:54:51; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43488
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 6; 1252.6; 25-JUN-2010 22:34:34; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;43499
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