

GOMOS Daily Report 04-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	07JUN2010 04:51:57
Data source version	GOMOS/5.00L04
Start time of products	04JUN2010 00:01:32
Stop time of products	04JUN2010 23:55:48
Store outputs in DB	Yes
Nb of level 1b prods	127
Nb of prods with errors	0

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

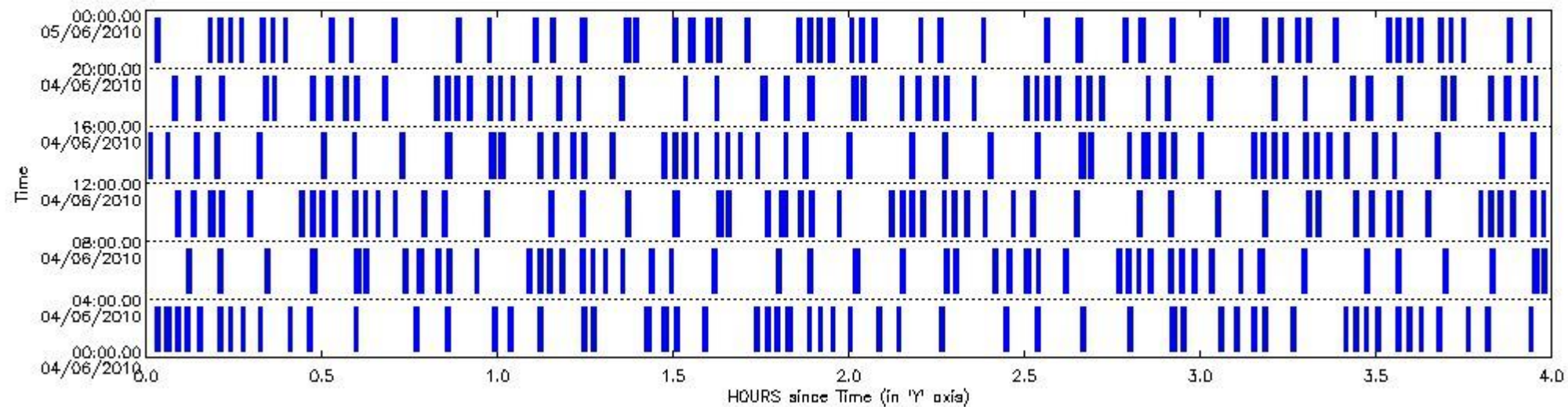
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

No missing products.

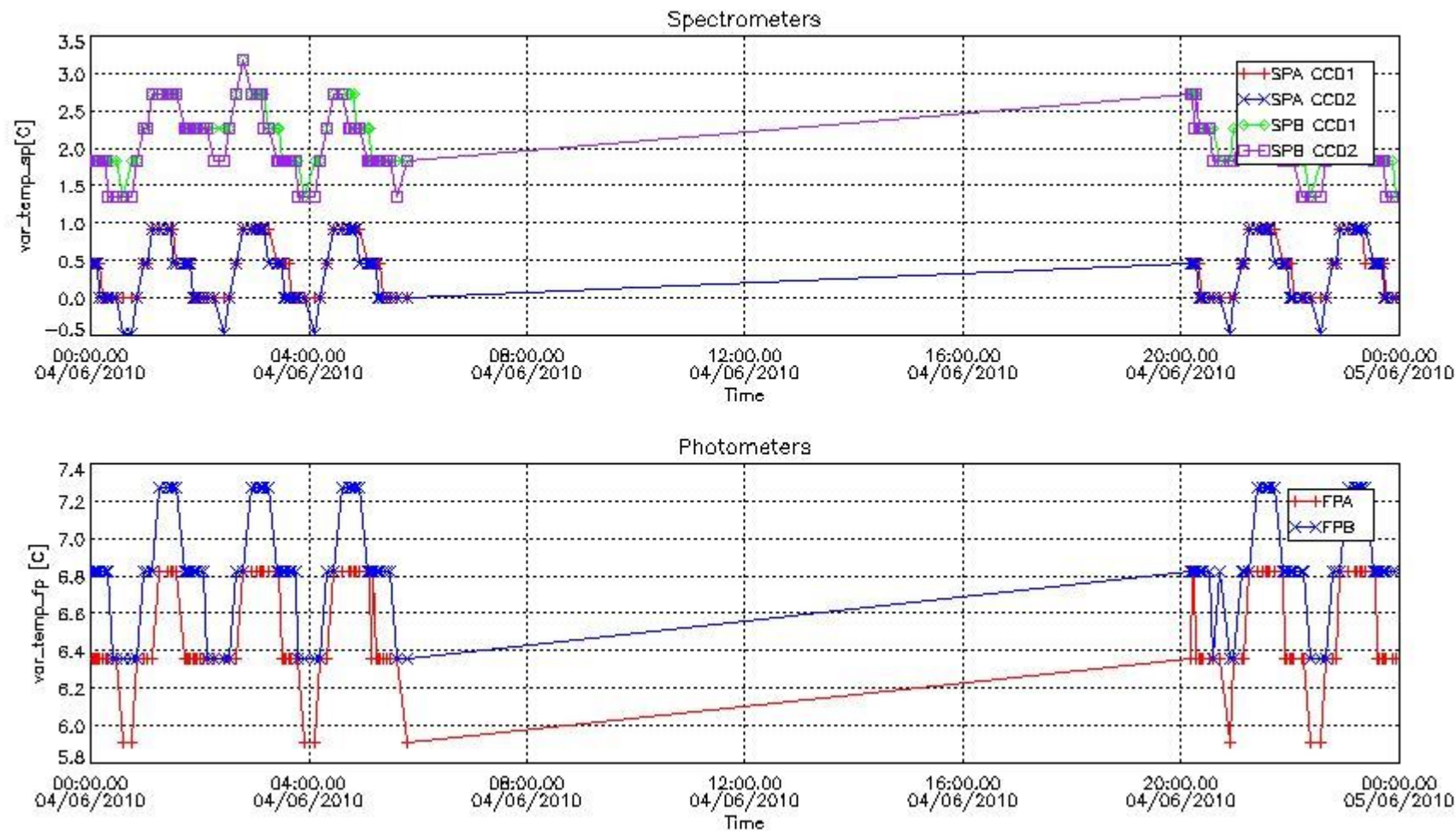
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100604_000132_000000402090_00045_43185_6304.N1	04-JUN-2010 00:01:32	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	43185	No
2	GOM_TRA_1PNPDE20100604_000314_000000522090_00045_43185_6305.N1	04-JUN-2010 00:03:14	Straylight	52.000	40	The Sco	1.8590	7100.0	104	43185	No
3	GOM_TRA_1PNPDE20100604_000500_000000462090_00045_43185_6306.N1	04-JUN-2010 00:05:00	Twilight_stray	46.000	25	35Lam Sco	1.6200	28000.	92	43185	No
4	GOM_TRA_1PNPDE20100604_000643_000000472090_00045_43185_6307.N1	04-JUN-2010 00:06:43	Twilight_stray	47.000	75	26Eps Sco	2.2910	4250.0	94	43185	No
5	GOM_TRA_1PNPDE20100604_000842_000000462090_00045_43185_6308.N1	04-JUN-2010 00:08:42	Bright	45.500	136	23Tau Sco	2.8220	30000.	91	43185	No
6	GOM_TRA_1PNPDE20100604_001215_000000462090_00045_43185_6309.N1	04-JUN-2010 00:12:15	Bright	46.000	86	35Eta Oph	2.4300	10200.	92	43185	No
7	GOM_TRA_1PNPDE20100604_001405_000000402090_00045_43185_6310.N1	04-JUN-2010 00:14:05	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	43185	No
8	GOM_TRA_1PNPDE20100604_001614_000000402090_00045_43185_6311.N1	04-JUN-2010 00:16:14	Bright	40.000	120	1Del Oph	2.7340	3200.0	80	43185	No
9	GOM_TRA_1PNPDE20100604_001914_000000362090_00045_43185_6312.N1	04-JUN-2010 00:19:14	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	43185	No
10	GOM_TRA_1PNPDE20100604_002409_000000432090_00045_43185_6313.N1	04-JUN-2010 00:24:09	Bright	42.500	127	27Bet Her	2.7810	4700.0	85	43185	No
11	GOM_TRA_1PNPDE20100604_002731_000000432090_00045_43185_6314.N1	04-JUN-2010 00:27:31	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	43185	No
12	GOM_TRA_1PNPDE20100604_003534_000000372090_00045_43185_6315.N1	04-JUN-2010 00:35:34	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	43185	No

13	GOM_TRA_1PNPDE20100604_004545_000000472090_00045_43185_6316.N1	04-JUN-2010 00:45:45	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	43185	No
14	GOM_TRA_1PNPDE20100604_005105_000000392090_00045_43185_6317.N1	04-JUN-2010 00:51:05	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	43185	No
15	GOM_TRA_1PNPDE20100604_005858_000000582090_00045_43185_6318.N1	04-JUN-2010 00:58:58	Bright	58.000	53	43Bet And	2.0480	3300.0	116	43185	No
16	GOM_TRA_1PNPDE20100604_010144_000000562090_00045_43185_6319.N1	04-JUN-2010 01:01:44	Twilight	56.000	58	21Alp And	2.0730	11000.	112	43185	No
17	GOM_TRA_1PNPDE20100604_010654_000000512090_00045_43185_6320.N1	04-JUN-2010 01:06:54	Dark	51.000	140	88Gam Peg	2.8340	26000.	102	43185	No
18	GOM_TRA_1PNPDE20100604_011558_000000462090_00045_43185_6328.N1	04-JUN-2010 01:15:58	Dark	46.000	52	16Bet Cet	2.0370	4500.0	92	43185	No
19	GOM_TRA_1PNPDE20100604_012506_000000652090_00045_43185_6329.N1	04-JUN-2010 01:25:06	Dark	64.500	18	24Alp PsA	1.1660	9700.0	129	43185	No
20	GOM_TRA_1PNPDE20100604_012808_000000592090_00046_43186_6330.N1	04-JUN-2010 01:28:08	Dark	58.500	63	Bet Gru	2.1500	2800.0	117	43186	No
21	GOM_TRA_1PNPDE20100604_013004_000000512090_00046_43186_6331.N1	04-JUN-2010 01:30:04	Dark	51.000	31	Alp Gru	1.7340	15200.	102	43186	No
22	GOM_TRA_1PNPDE20100604_013452_000000492090_00046_43186_6332.N1	04-JUN-2010 01:34:52	Straylight	48.500	45	Alp Pav	1.9400	26000.	97	43186	No
23	GOM_TRA_1PNPDE20100604_014350_000000442090_00046_43186_6333.N1	04-JUN-2010 01:43:50	Straylight	43.500	40	The Sco	1.8590	7100.0	87	43186	No
24	GOM_TRA_1PNPDE20100604_014537_000000482090_00046_43186_6334.N1	04-JUN-2010 01:45:37	Twilight	47.500	25	35Lam Sco	1.6200	28000.	95	43186	No
25	GOM_TRA_1PNPDE20100604_014719_000000462090_00046_43186_6335.N1	04-JUN-2010 01:47:19	Twilight	46.000	75	26Eps Sco	2.2910	4250.0	92	43186	No
26	GOM_TRA_1PNPDE20100604_014918_000000552090_00046_43186_6336.N1	04-JUN-2010 01:49:18	Bright	54.500	136	23Tau Sco	2.8220	30000.	109	43186	No
27	GOM_TRA_1PNPDE20100604_015251_000000452090_00046_43186_6337.N1	04-JUN-2010 01:52:51	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	43186	No
28	GOM_TRA_1PNPDE20100604_015441_000000422090_00046_43186_6338.N1	04-JUN-2010 01:54:41	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	43186	No
29	GOM_TRA_1PNPDE20100604_015650_000000392090_00046_43186_6339.N1	04-JUN-2010 01:56:50	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	43186	No
30	GOM_TRA_1PNPDE20100604_015950_000000372090_00046_43186_6340.N1	04-JUN-2010 01:59:50	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	43186	No
31	GOM_TRA_1PNPDE20100604_020445_000000422090_00046_43186_6341.N1	04-JUN-2010 02:04:45	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	43186	No
32	GOM_TRA_1PNPDE20100604_020806_000000452090_00046_43186_6342.N1	04-JUN-2010 02:08:06	Bright	44.500	133	40Zet Her	2.8070	6000.0	89	43186	No
33	GOM_TRA_1PNPDE20100604_021528_000000432090_00046_43186_6343.N1	04-JUN-2010 02:15:28	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	43186	No
34	GOM_TRA_1PNPDE20100604_022620_000000492090_00046_43186_6344.N1	04-JUN-2010 02:26:20	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	43186	No
35	GOM_TRA_1PNPDE20100604_023141_000000562090_00046_43186_6345.N1	04-JUN-2010 02:31:41	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	43186	No
36	GOM_TRA_1PNPDE20100604_023934_000000482090_00046_43186_6346.N1	04-JUN-2010 02:39:34	Bright	47.500	53	43Bet And	2.0480	3300.0	95	43186	No
37	GOM_TRA_1PNPDE20100604_024731_000000542090_00046_43186_6347.N1	04-JUN-2010 02:47:31	Dark	54.000	140	88Gam Peg	2.8340	26000.	108	43186	No
38	GOM_TRA_1PNPDE20100604_025635_000000482090_00046_43186_6348.N1	04-JUN-2010 02:56:35	Dark	48.000	52	16Bet Cet	2.0370	4500.0	96	43186	No
39	GOM_TRA_1PNPDE20100604_030314_000000412090_00046_43186_6349.N1	04-JUN-2010 03:03:14	Dark	41.000	84	Alp Phe	2.3970	4500.0	82	43186	No
40	GOM_TRA_1PNPDE20100604_030544_000000552090_00046_43186_6350.N1	04-JUN-2010 03:05:44	Dark	54.500	18	24Alp PsA	1.1660	9700.0	109	43186	No
41	GOM_TRA_1PNPDE20100604_030845_000000552090_00047_43187_6351.N1	04-JUN-2010 03:08:45	Dark	55.000	63	Bet Gru	2.1500	2800.0	110	43187	No
42	GOM_TRA_1PNPDE20100604_031041_000000512090_00047_43187_6352.N1	04-JUN-2010 03:10:41	Dark	50.500	31	Alp Gru	1.7340	15200.	101	43187	No
43	GOM_TRA_1PNPDE20100604_031528_000000442090_00047_43187_6353.N1	04-JUN-2010 03:15:28	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	43187	No
44	GOM_TRA_1PNPDE20100604_032426_000000452090_00047_43187_6354.N1	04-JUN-2010 03:24:26	Straylight	45.000	40	The Sco	1.8590	7100.0	90	43187	No
45	GOM_TRA_1PNPDE20100604_032613_000000482090_00047_43187_6355.N1	04-JUN-2010 03:26:13	Twilight	47.500	25	35Lam Sco	1.6200	28000.	95	43187	No
46	GOM_TRA_1PNPDE20100604_032755_000000452090_00047_43187_6356.N1	04-JUN-2010 03:27:55	Twilight	45.000	75	26Eps Sco	2.2910	4250.0	90	43187	No
47	GOM_TRA_1PNPDE20100604_032955_000000472090_00047_43187_6357.N1	04-JUN-2010 03:29:55	Bright	47.000	136	23Tau Sco	2.8220	30000.	94	43187	No
48	GOM_TRA_1PNPDE20100604_033327_000000452090_00047_43187_6358.N1	04-JUN-2010 03:33:27	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	43187	No
49	GOM_TRA_1PNPDE20100604_033517_000000412090_00047_43187_6359.N1	04-JUN-2010 03:35:17	Bright	41.000	98	13Zet Oph	2.5710	30000.	82	43187	No
50	GOM_TRA_1PNPDE20100604_033726_000000392090_00047_43187_6360.N1	04-JUN-2010 03:37:26	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	43187	No
51	GOM_TRA_1PNPDE20100604_034026_000000372090_00047_43187_6361.N1	04-JUN-2010 03:40:26	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	43187	No
52	GOM_TRA_1PNPDE20100604_034521_000000412090_00047_43187_6362.N1	04-JUN-2010 03:45:21	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	43187	No
53	GOM_TRA_1PNPDE20100604_034842_000000452090_00047_43187_6363.N1	04-JUN-2010 03:48:42	Bright	45.000	133	40Zet Her	2.8070	6000.0	90	43187	No
54	GOM_TRA_1PNPDE20100604_035603_000000462090_00047_43187_6360.N1	04-JUN-2010 03:56:03	Bright	45.500	130	23Bet Dra	2.7990	5800.0	91	43187	No
55	GOM_TRA_1PNPDE20100604_040656_000000482090_00047_43187_6361.N1	04-JUN-2010 04:06:56	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43187	No
56	GOM_TRA_1PNPDE20100604_041217_000000372090_00047_43187_6362.N1	04-JUN-2010 04:12:17	Bright	37.000	76	27Gam Cas	2.3000	30000.	74	43187	No
57	GOM_TRA_1PNPDE20100604_042010_000000582090_00047_43187_6363.N1	04-JUN-2010 04:20:10	Bright	58.000	53	43Bet And	2.0480	3300.0	116	43187	No
58	GOM_TRA_1PNPDE20100604_042807_000000552090_00047_43187_6364.N1	04-JUN-2010 04:28:07	Dark	55.000	140	88Gam Peg	2.8340	26000.	110	43187	No
59	GOM_TRA_1PNPDE20100604_043711_000000502090_00047_43187_6365.N1	04-JUN-2010 04:37:11	Dark	50.000	52	16Bet Cet	2.0370	4500.0	100	43187	No
60	GOM_TRA_1PNPDE20100604_044350_000000442090_00047_43187_6366.N1	04-JUN-2010 04:43:50	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	43187	No
61	GOM_TRA_1PNPDE20100604_044621_000000632090_00047_43187_6367.N1	04-JUN-2010 04:46:21	Dark	62.500	18	24Alp PsA	1.1660	9700.0	125	43187	No
62	GOM_TRA_1PNPDE20100604_044922_000000592090_00048_43188_6368.N1	04-JUN-2010 04:49:22	Dark	58.500	63	Bet Gru	2.1500	2800.0	117	43188	No
63	GOM_TRA_1PNPDE20100604_045118_000000472090_00048_43188_6369.N1	04-JUN-2010 04:51:18	Dark	46.500	31	Alp Gru	1.7340	15200.	93	43188	No
64	GOM_TRA_1PNPDE20100604_045605_000000442090_00048_43188_6370.N1	04-JUN-2010 04:56:05	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43188	No
65	GOM_TRA_1PNPDE20100604_050503_000000442090_00048_43188_6371.N1	04-JUN-2010 05:05:03	Straylight	43.500	40	The Sco	1.8590	7100.0	87	43188	No
66	GOM_TRA_1PNPDE20100604_050650_000000462090_00048_43188_6372.N1	04-JUN-2010 05:06:50	Twilight	46.000	25	35Lam Sco	1.6200	28000.	92	43188	No
67	GOM_TRA_1PNPDE20100604_050831_000000482090_00048_43188_6373.N1	04-JUN-2010 05:08:31	Twilight	47.500	75	26Eps Sco	2.2910	4250.0	95	43188	No
68	GOM_TRA_1PNPDE20100604_051031_000000482090_00048_43188_6374.N1	04-JUN-2010 05:10:31	Bright	48.000	136	23Tau Sco	2.8220	30000.	96	43188	No
69	GOM_TRA_1PNPDE20100604_051403_000000452090_00048_43188_6375.N1	04-JUN-2010 05:14:03	Bright	45.000	86	35Eta Oph	2.4300	10200.	90	43188	No
70	GOM_TRA_1PNPDE20100604_051552_000000402090_00048_43188_6376.N1	04-JUN-2010 05:15:52	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	43188	No
71	GOM_TRA_1PNPDE20100604_051802_000000392090_00048_43188_6377.N1	04-JUN-2010 05:18:02	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	43188	No

72	GOM_TRA_1PNPDE20100604_052103_000000362090_00048_43188_6378.N1	04-JUN-2010 05:21:03	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	43188	No
73	GOM_TRA_1PNPDE20100604_052557_000000402090_00048_43188_6379.N1	04-JUN-2010 05:25:57	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	43188	No
74	GOM_TRA_1PNPDE20100604_052917_000000442090_00048_43188_6380.N1	04-JUN-2010 05:29:17	Bright	44.000	133	40Zet Her	2.8070	6000.0	88	43188	No
75	GOM_TRA_1PNPDE20100604_053639_000000422090_00048_43188_6381.N1	04-JUN-2010 05:36:39	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	43188	No
76	GOM_TRA_1PNPDE20100604_054731_000000472090_00048_43188_6382.N1	04-JUN-2010 05:47:31	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	43188	No
77	GOM_TRA_1PNPDE20100604_201030_000000462090_00057_43197_6477.N1	04-JUN-2010 20:10:30	Straylight	45.500	40	The Sco	1.8590	7100.0	91	43197	No
78	GOM_TRA_1PNPDE20100604_201217_000000492090_00057_43197_6478.N1	04-JUN-2010 20:12:17	Twilight_stray	48.500	25	35Lam Sco	1.6200	28000.	97	43197	No
79	GOM_TRA_1PNPDE20100604_201357_000000442090_00057_43197_6479.N1	04-JUN-2010 20:13:57	Twilight_stray	44.000	75	26Eps Sco	2.2910	4250.0	88	43197	No
80	GOM_TRA_1PNPDE20100604_201556_000000392090_00057_43197_6480.N1	04-JUN-2010 20:15:56	Bright	39.000	136	23Tau Sco	2.8220	30000.	78	43197	No
81	GOM_TRA_1PNPDE20100604_201928_000000462090_00057_43197_6481.N1	04-JUN-2010 20:19:28	Bright	45.500	86	35Eta Oph	2.4300	10200.	91	43197	No
82	GOM_TRA_1PNPDE20100604_202117_000000412090_00057_43197_6482.N1	04-JUN-2010 20:21:17	Bright	41.000	98	13Zet Oph	2.5710	30000.	82	43197	No
83	GOM_TRA_1PNPDE20100604_202326_000000382090_00057_43197_6483.N1	04-JUN-2010 20:23:26	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	43197	No
84	GOM_TRA_1PNPDE20100604_203117_000000442090_00057_43197_6484.N1	04-JUN-2010 20:31:17	Bright	44.000	127	27Bet Her	2.7810	4700.0	88	43197	No
85	GOM_TRA_1PNPDE20100604_203437_000000432090_00057_43197_6485.N1	04-JUN-2010 20:34:37	Bright	43.000	133	40Zet Her	2.8070	6000.0	86	43197	No
86	GOM_TRA_1PNPDE20100604_204157_000000462090_00057_43197_6486.N1	04-JUN-2010 20:41:57	Bright	45.500	130	23Bet Dra	2.7990	5800.0	91	43197	No
87	GOM_TRA_1PNPDE20100604_205249_000000482090_00057_43197_6487.N1	04-JUN-2010 20:52:49	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43197	No
88	GOM_TRA_1PNPDE20100604_205815_000000372090_00057_43197_6488.N1	04-JUN-2010 20:58:15	Bright	37.000	76	27Gam Cas	2.3000	30000.	74	43197	No
89	GOM_TRA_1PNPDE20100604_210610_000000502090_00057_43197_6489.N1	04-JUN-2010 21:06:10	Bright	49.500	53	43Bet And	2.0480	3300.0	99	43197	No
90	GOM_TRA_1PNPDE20100604_210858_000000572090_00057_43197_6490.N1	04-JUN-2010 21:08:58	Twilight_stray	56.500	58	21Alp And	2.0730	11000.	113	43197	No
91	GOM_TRA_1PNPDE20100604_211413_000000552090_00057_43197_6491.N1	04-JUN-2010 21:14:13	Dark	54.500	140	88Gam Peg	2.8340	26000.	109	43197	No
92	GOM_TRA_1PNPDE20100604_212317_000000482090_00057_43197_6510.N1	04-JUN-2010 21:23:17	Dark	47.500	52	16Bet Cet	2.0370	4500.0	95	43197	No
93	GOM_TRA_1PNPDE20100604_212956_000000442090_00057_43197_6511.N1	04-JUN-2010 21:29:56	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	43197	No
94	GOM_TRA_1PNPDE20100604_213234_000000592090_00057_43197_6512.N1	04-JUN-2010 21:32:34	Dark	59.000	18	24Alp PsA	1.1660	9700.0	118	43197	No
95	GOM_TRA_1PNPDE20100604_213531_000000602090_00058_43198_6513.N1	04-JUN-2010 21:35:31	Dark	60.000	63	Bet Gru	2.1500	2800.0	120	43198	No
96	GOM_TRA_1PNPDE20100604_213727_000000512090_00058_43198_6514.N1	04-JUN-2010 21:37:27	Dark	50.500	31	Alp Gru	1.7340	15200.	101	43198	No
97	GOM_TRA_1PNPDE20100604_214211_000000432090_00058_43198_6515.N1	04-JUN-2010 21:42:11	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	43198	No
98	GOM_TRA_1PNPDE20100604_215106_000000462090_00058_43198_6516.N1	04-JUN-2010 21:51:06	Straylight	46.000	40	The Sco	1.8590	7100.0	92	43198	No
99	GOM_TRA_1PNPDE20100604_215253_000000462090_00058_43198_6517.N1	04-JUN-2010 21:52:53	Twilight_stray	45.500	25	35Lam Sco	1.6200	28000.	91	43198	No
100	GOM_TRA_1PNPDE20100604_215433_000000492090_00058_43198_6518.N1	04-JUN-2010 21:54:33	Twilight_stray	48.500	75	26Eps Sco	2.2910	4250.0	97	43198	No
101	GOM_TRA_1PNPDE20100604_215633_000000502090_00058_43198_6519.N1	04-JUN-2010 21:56:33	Bright	50.000	136	23Tau Sco	2.8220	30000.	100	43198	No
102	GOM_TRA_1PNPDE20100604_220004_000000432090_00058_43198_6520.N1	04-JUN-2010 22:00:04	Bright	43.000	86	35Eta Oph	2.4300	10200.	86	43198	No
103	GOM_TRA_1PNPDE20100604_220152_000000412090_00058_43198_6521.N1	04-JUN-2010 22:01:52	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	43198	No
104	GOM_TRA_1PNPDE20100604_220401_000000382090_00058_43198_6522.N1	04-JUN-2010 22:04:01	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	43198	No
105	GOM_TRA_1PNPDE20100604_221153_000000402090_00058_43198_6523.N1	04-JUN-2010 22:11:53	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	43198	No
106	GOM_TRA_1PNPDE20100604_221512_000000422090_00058_43198_6524.N1	04-JUN-2010 22:15:12	Bright	41.500	133	40Zet Her	2.8070	6000.0	83	43198	No
107	GOM_TRA_1PNPDE20100604_222232_000000462090_00058_43198_6525.N1	04-JUN-2010 22:22:32	Bright	45.500	130	23Bet Dra	2.7990	5800.0	91	43198	No
108	GOM_TRA_1PNPDE20100604_223324_000000482090_00058_43198_6526.N1	04-JUN-2010 22:33:24	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43198	No
109	GOM_TRA_1PNPDE20100604_223851_000000562090_00058_43198_6527.N1	04-JUN-2010 22:38:51	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	43198	No
110	GOM_TRA_1PNPDE20100604_224646_000000492090_00058_43198_6528.N1	04-JUN-2010 22:46:46	Bright	48.500	53	43Bet And	2.0480	3300.0	97	43198	No
111	GOM_TRA_1PNPDE20100604_224934_000000552090_00058_43198_6529.N1	04-JUN-2010 22:49:34	Twilight_stray	55.000	58	21Alp And	2.0730	11000.	110	43198	No
112	GOM_TRA_1PNPDE20100604_225449_000000562090_00058_43198_6530.N1	04-JUN-2010 22:54:49	Dark	56.000	140	88Gam Peg	2.8340	26000.	112	43198	No
113	GOM_TRA_1PNPDE20100604_230354_000000482090_00058_43198_6521.N1	04-JUN-2010 23:03:54	Dark	47.500	52	16Bet Cet	2.0370	4500.0	95	43198	No
114	GOM_TRA_1PNPDE20100604_231032_000000472090_00058_43198_6522.N1	04-JUN-2010 23:10:32	Dark	46.500	84	Alp Phe	2.3970	4500.0	93	43198	No
115	GOM_TRA_1PNPDE20100604_231311_000000582090_00058_43198_6523.N1	04-JUN-2010 23:13:11	Dark	58.000	18	24Alp PsA	1.1660	9700.0	116	43198	No
116	GOM_TRA_1PNPDE20100604_231607_000000562090_00059_43199_6524.N1	04-JUN-2010 23:16:07	Dark	55.500	63	Bet Gru	2.1500	2800.0	111	43199	No
117	GOM_TRA_1PNPDE20100604_231804_000000472090_00059_43199_6525.N1	04-JUN-2010 23:18:04	Dark	47.000	31	Alp Gru	1.7340	15200.	94	43199	No
118	GOM_TRA_1PNPDE20100604_232248_000000432090_00059_43199_6526.N1	04-JUN-2010 23:22:48	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43199	No
119	GOM_TRA_1PNPDE20100604_233142_000000472090_00059_43199_6527.N1	04-JUN-2010 23:31:42	Straylight	46.500	40	The Sco	1.8590	7100.0	93	43199	No
120	GOM_TRA_1PNPDE20100604_233329_000000432090_00059_43199_6528.N1	04-JUN-2010 23:33:29	Twilight_stray	42.500	25	35Lam Sco	1.6200	28000.	85	43199	No
121	GOM_TRA_1PNPDE20100604_233510_000000482090_00059_43199_6529.N1	04-JUN-2010 23:35:10	Twilight_stray	47.500	75	26Eps Sco	2.2910	4250.0	95	43199	No
122	GOM_TRA_1PNPDE20100604_233709_000000462090_00059_43199_6530.N1	04-JUN-2010 23:37:09	Bright	46.000	136	23Tau Sco	2.8220	30000.	92	43199	No
123	GOM_TRA_1PNPDE20100604_234040_000000452090_00059_43199_6531.N1	04-JUN-2010 23:40:40	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	43199	No
124	GOM_TRA_1PNPDE20100604_234229_000000402090_00059_43199_6532.N1	04-JUN-2010 23:42:29	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	43199	No
125	GOM_TRA_1PNPDE20100604_234437_000000382090_00059_43199_6533.N1	04-JUN-2010 23:44:37	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	43199	No
126	GOM_TRA_1PNPDE20100604_235229_000000412090_00059_43199_6534.N1	04-JUN-2010 23:52:29	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	43199	No
127	GOM_TRA_1PNPDE20100604_235548_000000412090_00059_43199_6535.N1	04-JUN-2010 23:55:48	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	43199	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).

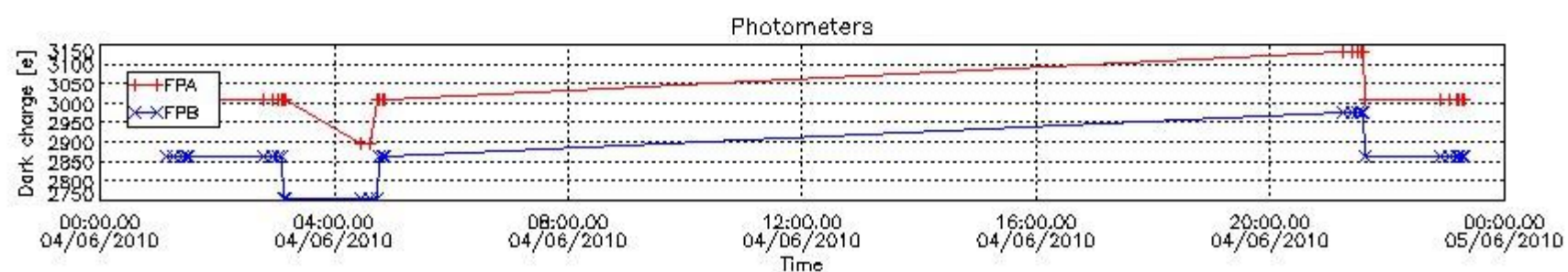
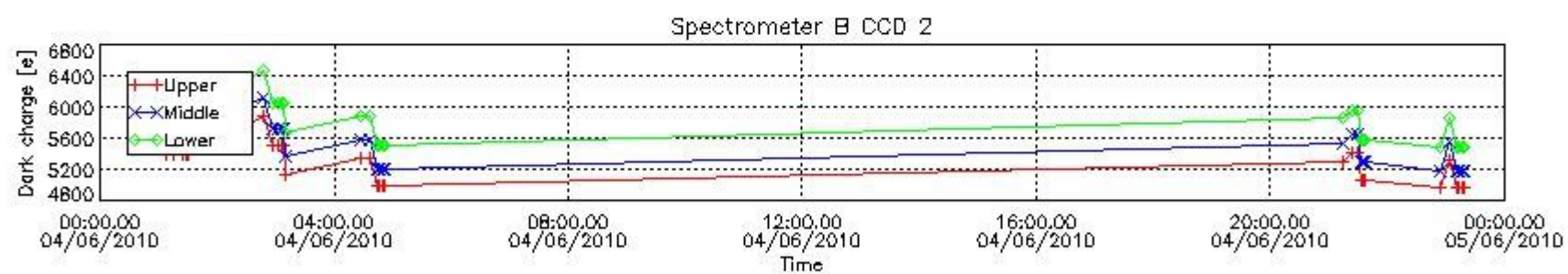
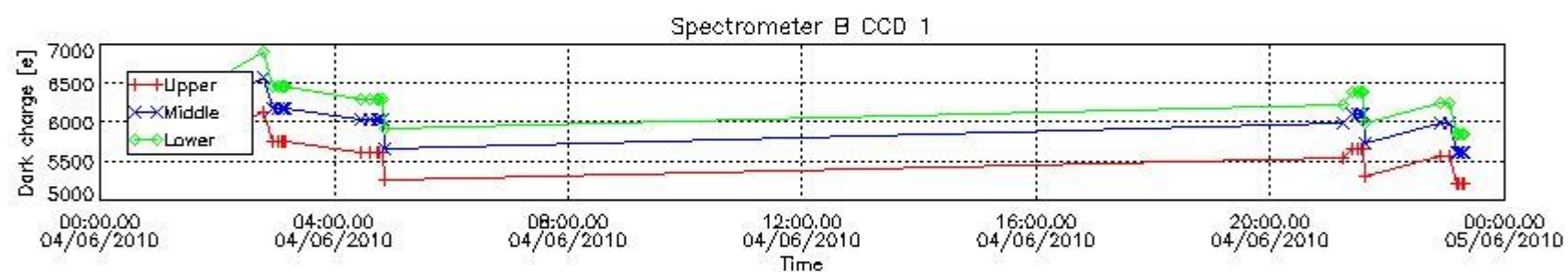
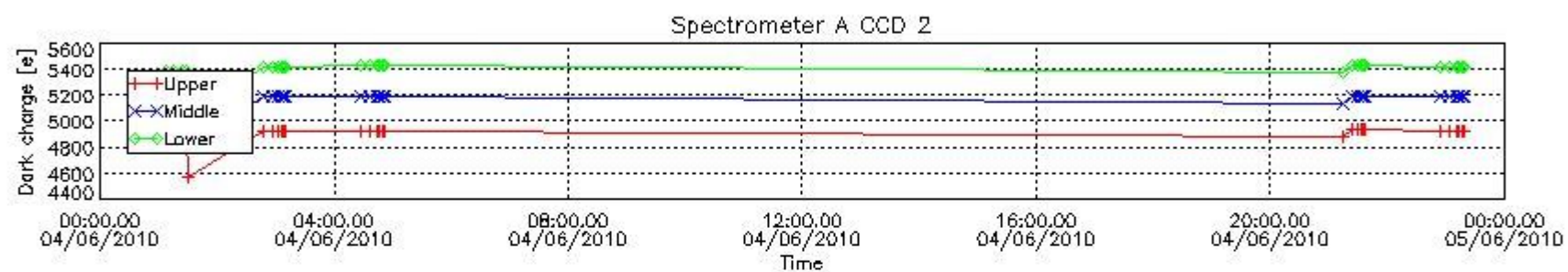
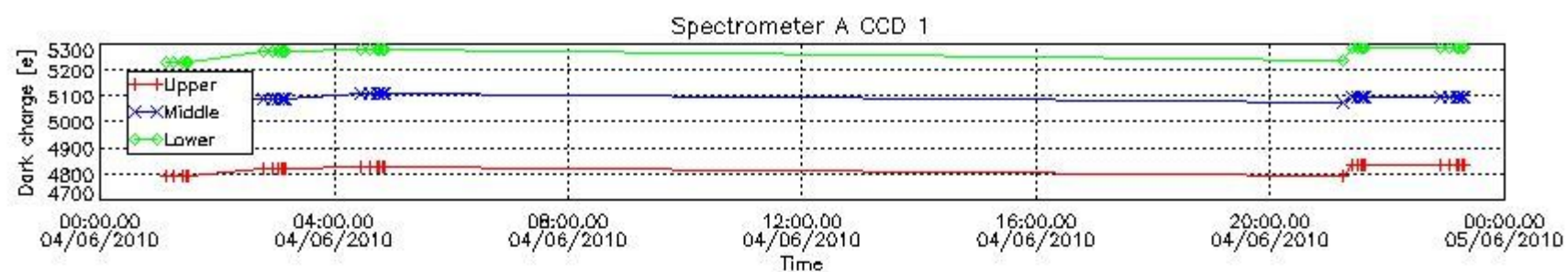
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100604_201030_000000462090_00057_43197_6477.N1	DC map used
GOM_TRA_1PNPDE20100604_201217_000000492090_00057_43197_6478.N1	DC map used
GOM_TRA_1PNPDE20100604_201357_000000442090_00057_43197_6479.N1	DC map used
GOM_TRA_1PNPDE20100604_201556_000000392090_00057_43197_6480.N1	DC map used
GOM_TRA_1PNPDE20100604_201928_000000462090_00057_43197_6481.N1	DC map used
GOM_TRA_1PNPDE20100604_202117_000000412090_00057_43197_6482.N1	DC map used
GOM_TRA_1PNPDE20100604_202326_000000382090_00057_43197_6483.N1	DC map used
GOM_TRA_1PNPDE20100604_203117_000000442090_00057_43197_6484.N1	DC map used
GOM_TRA_1PNPDE20100604_203437_000000432090_00057_43197_6485.N1	DC map used
GOM_TRA_1PNPDE20100604_204157_000000462090_00057_43197_6486.N1	DC map used
GOM_TRA_1PNPDE20100604_205249_000000482090_00057_43197_6487.N1	DC map used
GOM_TRA_1PNPDE20100604_205815_000000372090_00057_43197_6488.N1	DC map used

GOM_TRA_1PNPDE20100604_210610_000000502090_00057_43197_6489.N1	DC map used
GOM_TRA_1PNPDE20100604_210858_000000572090_00057_43197_6490.N1	DC map used
GOM_TRA_1PNPDE20100604_211413_000000552090_00057_43197_6491.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

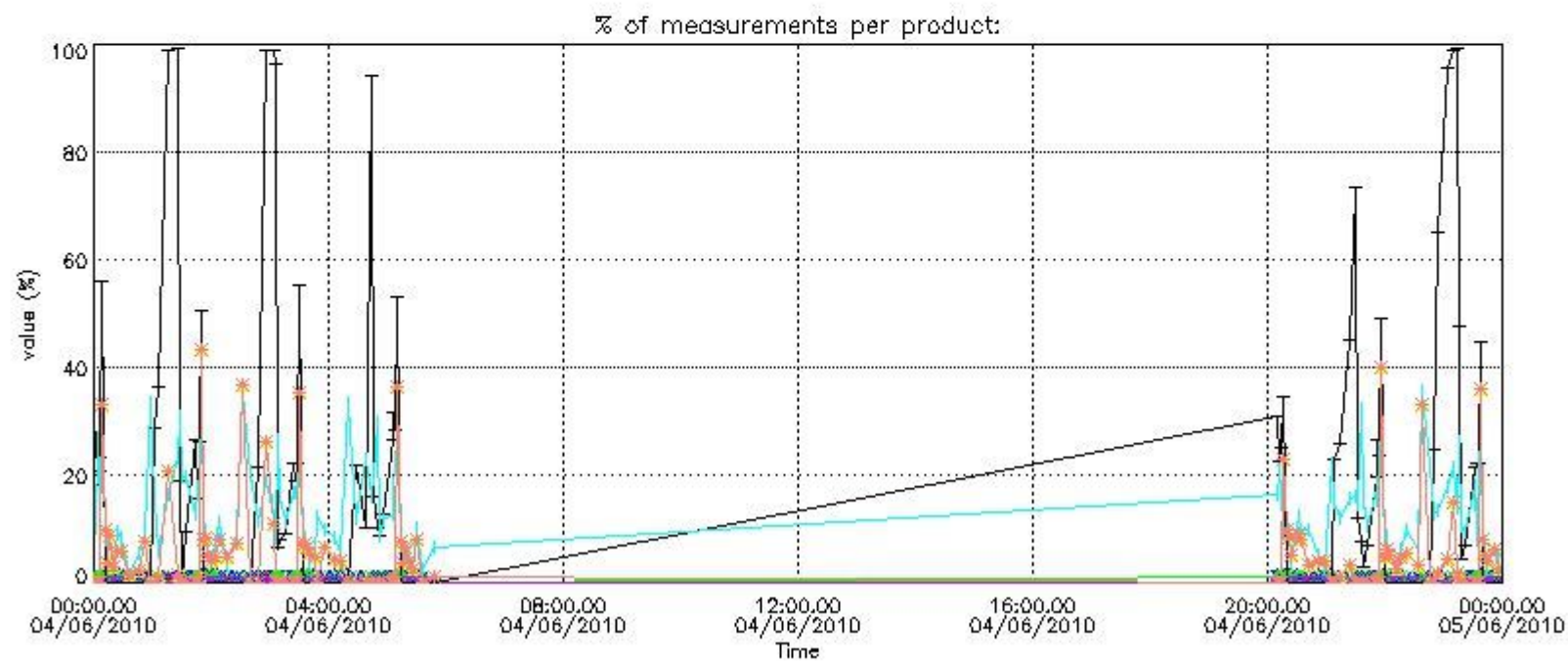
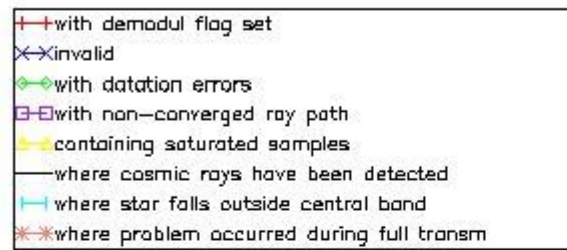
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors

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

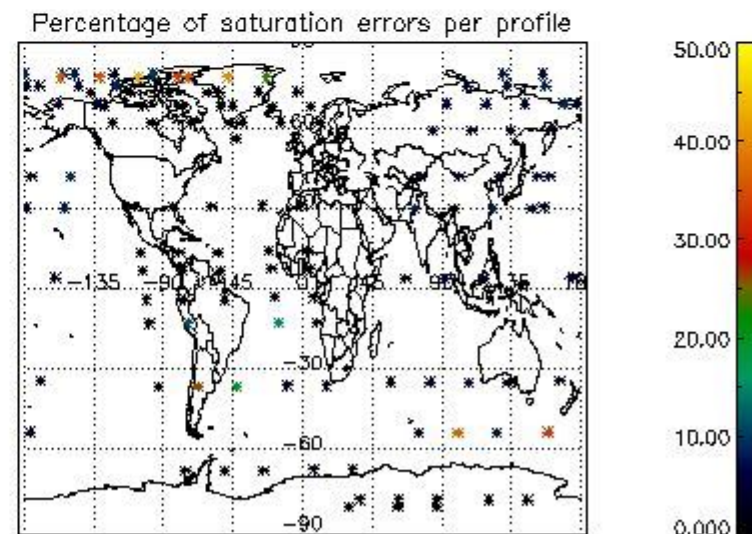
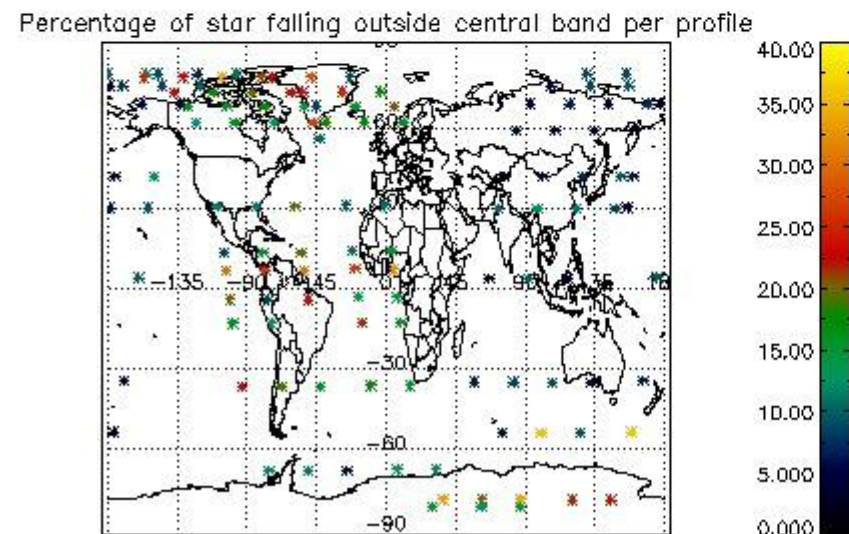
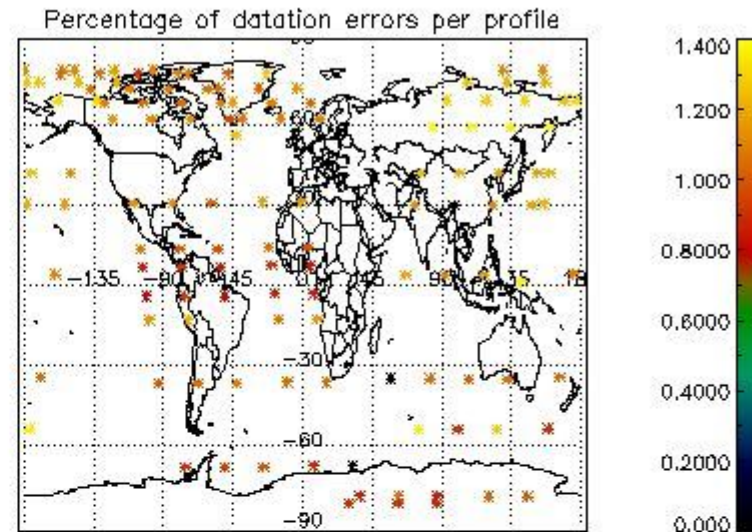
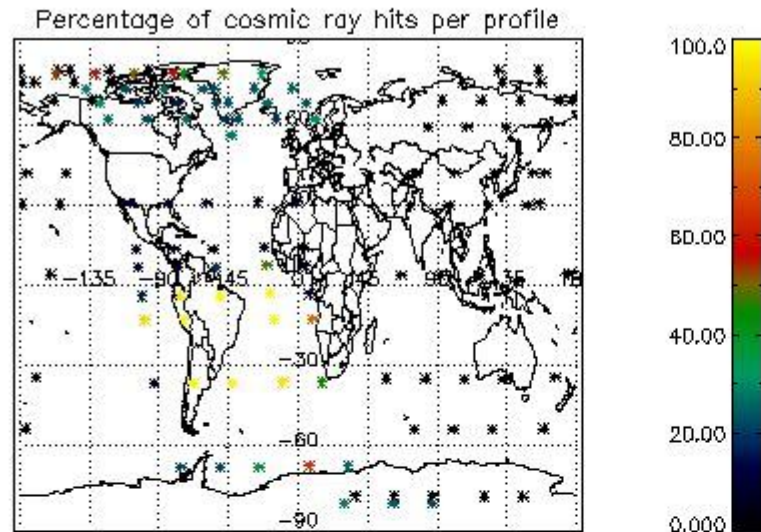
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	38.5827 %
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)



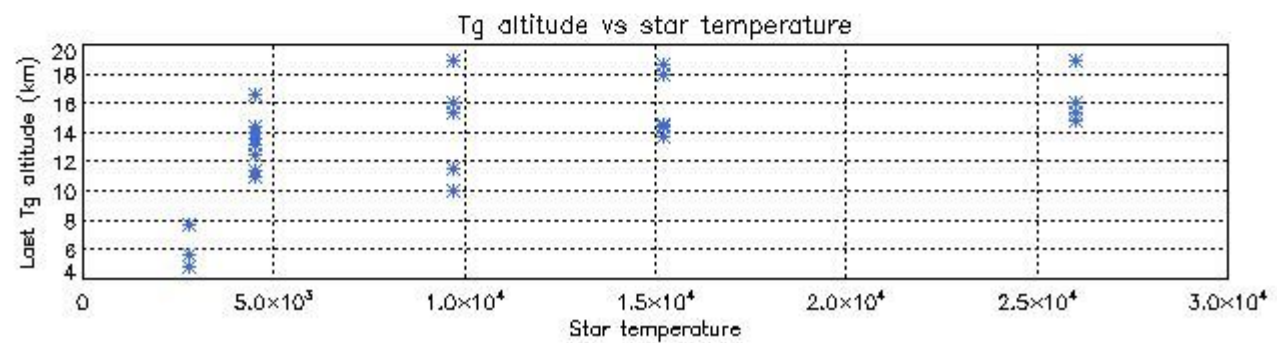
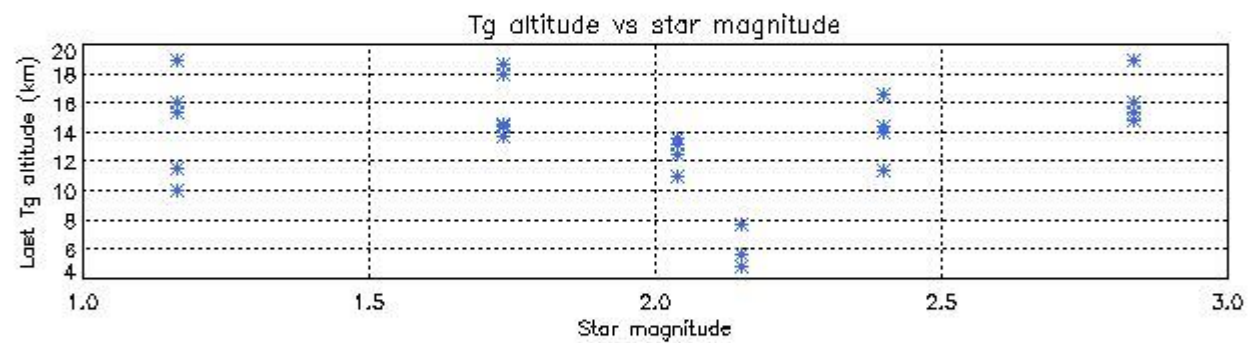
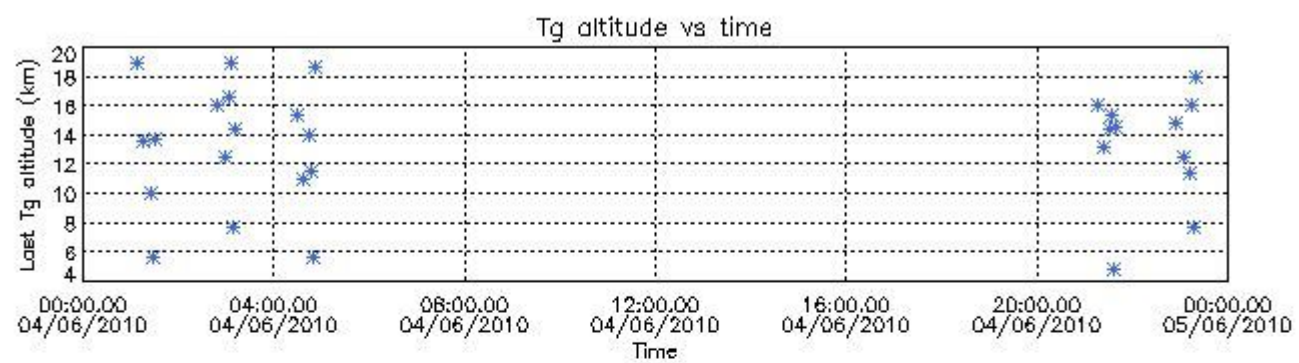
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.209	18.043	NaN
St. deviation:	3.9661	5.3859	NaN
Maximum:	18.942	24.627	NaN
Minimum:	4.7757	3.9696	NaN
Number of data:	29.000	68.000	NaN

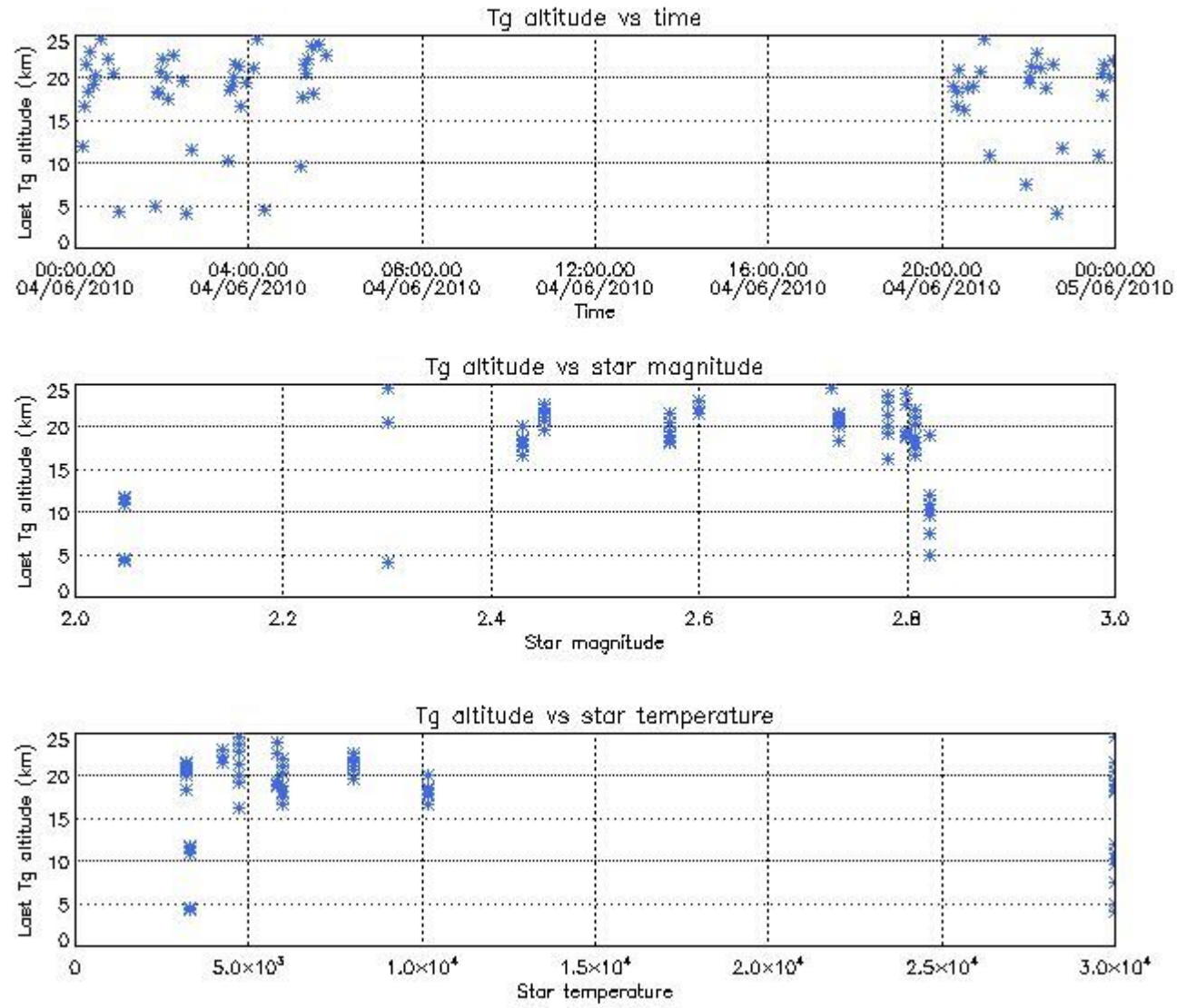
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

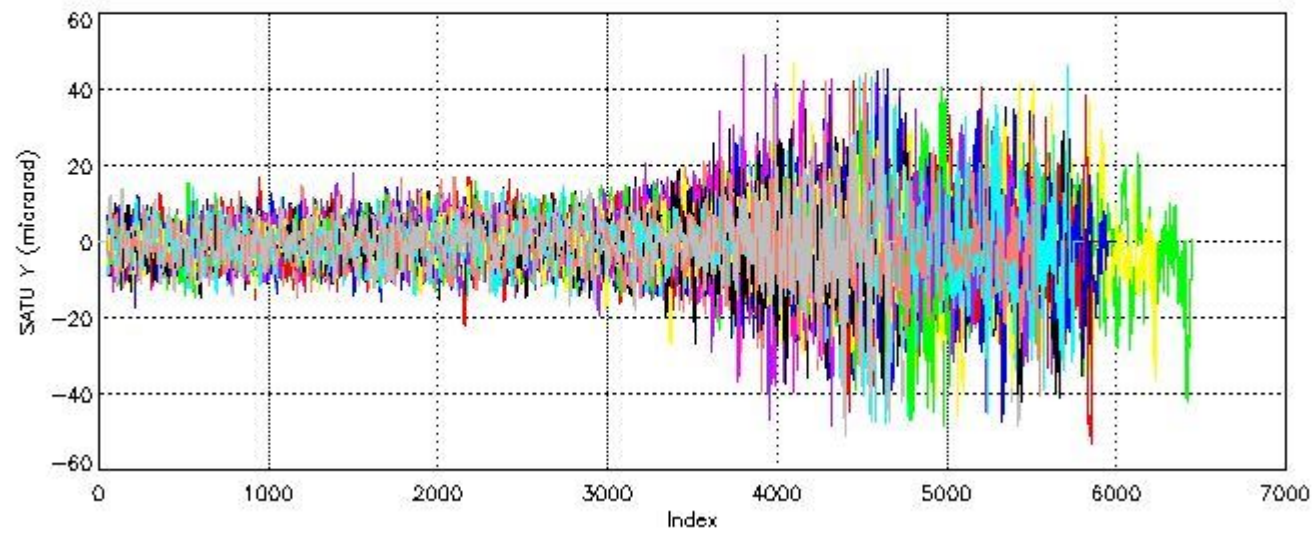
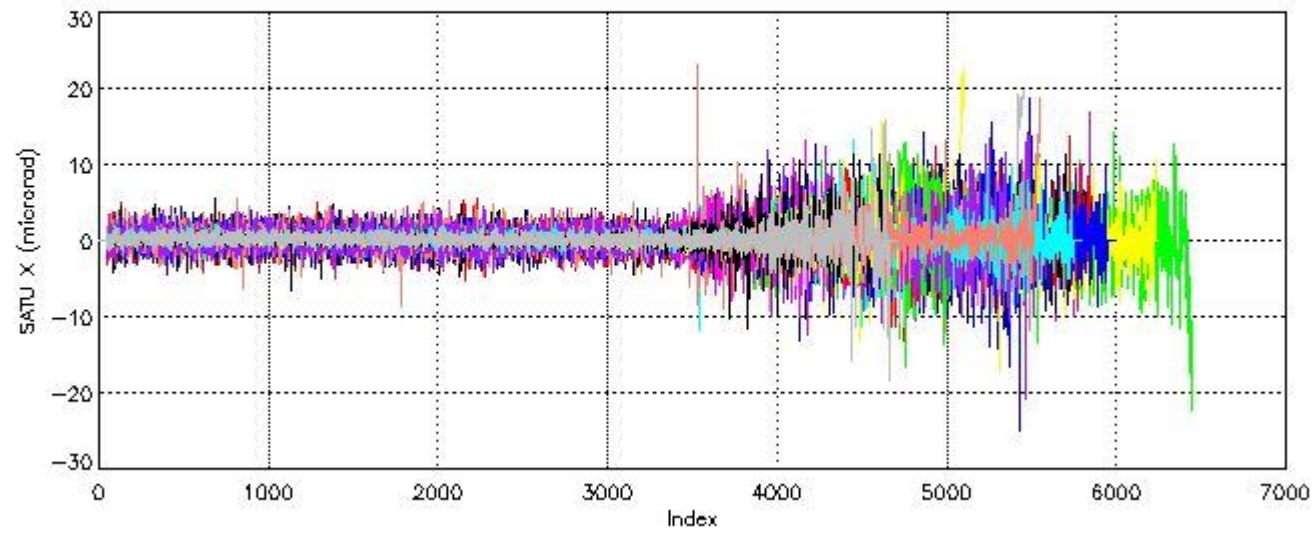


7. Star Acquisition and Tracking Unit (SATU)

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:	0.21159	-0.69191	0.23023	-0.72151
St. deviation:	0.55540	3.9796	0.83795	3.6484
Maximum:	5.4000	16.700	5.0000	15.800
Minimum:	-6.3000	-17.400	-4.6000	-15.700

Number of data:	31700.	31700.	66250.	66250.
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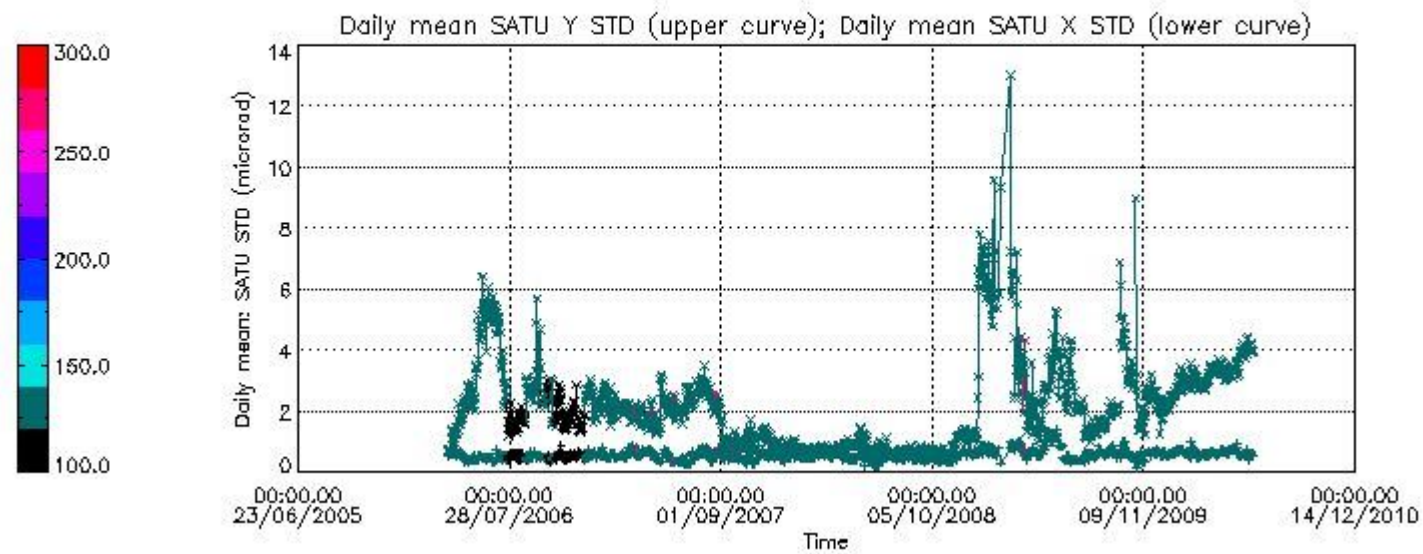
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

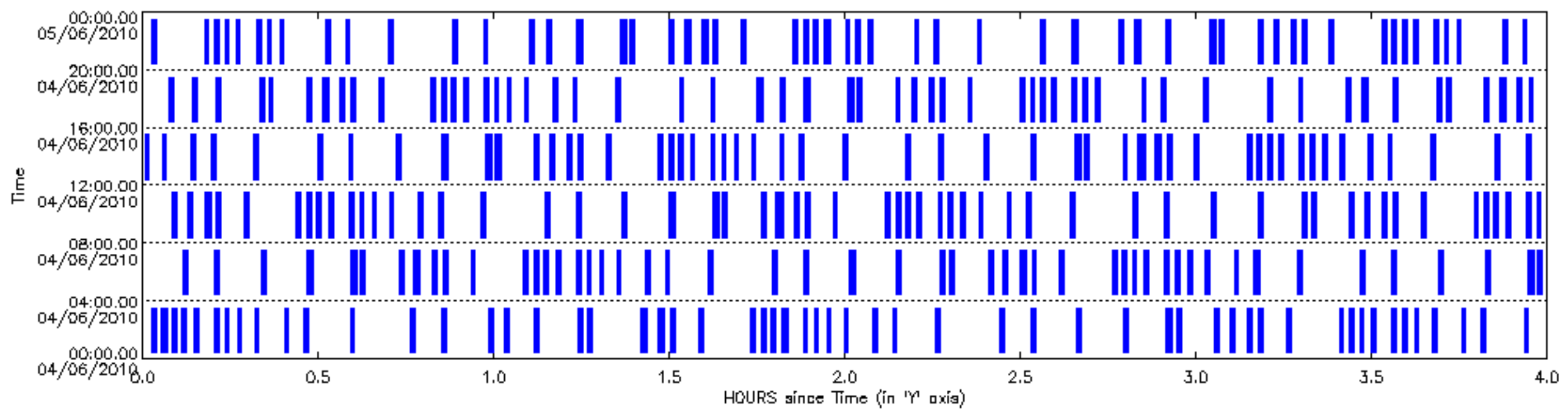
Lower curve: STD of SATU X axis

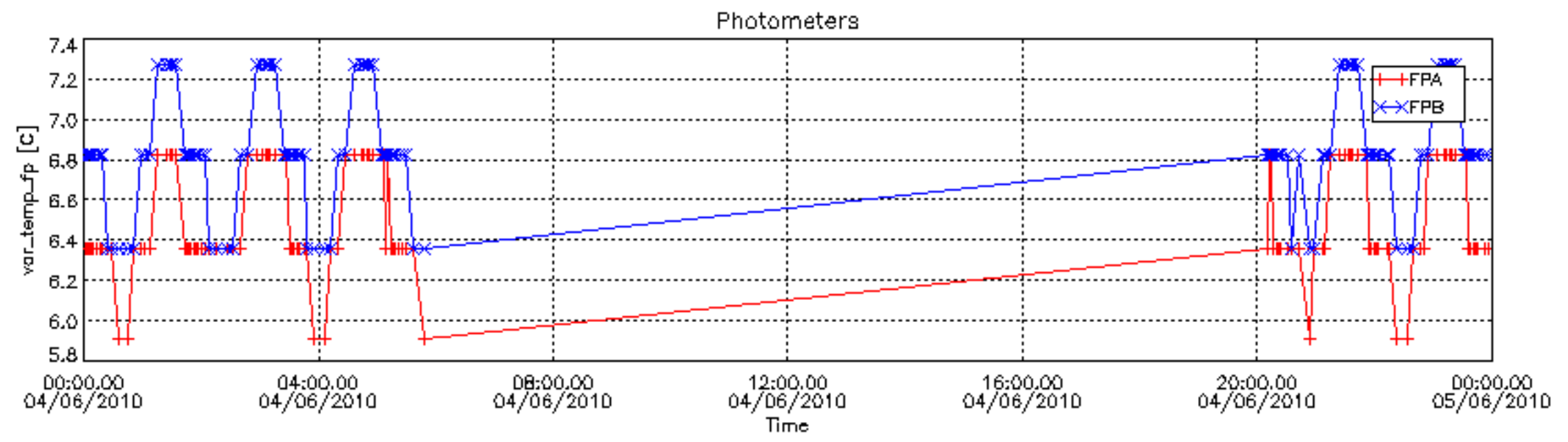
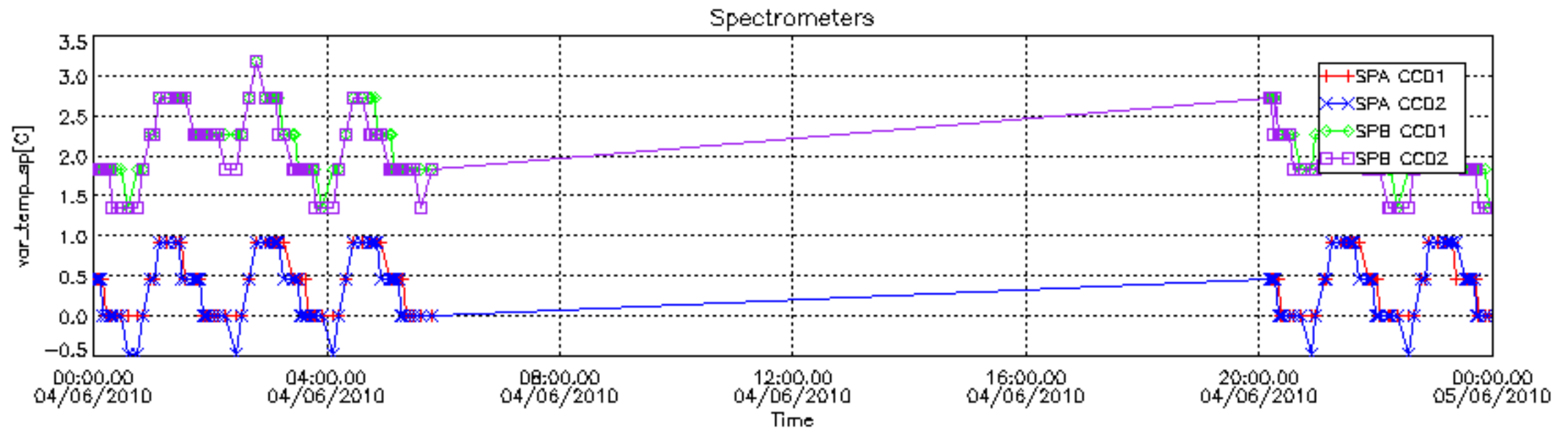


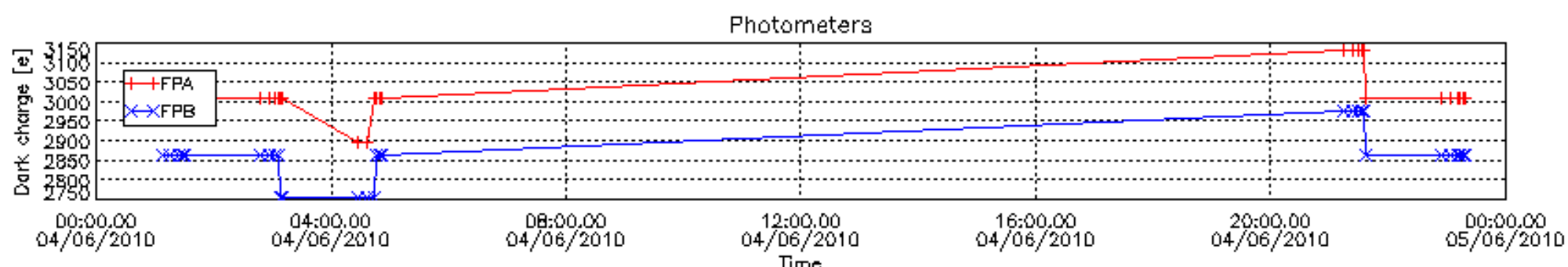
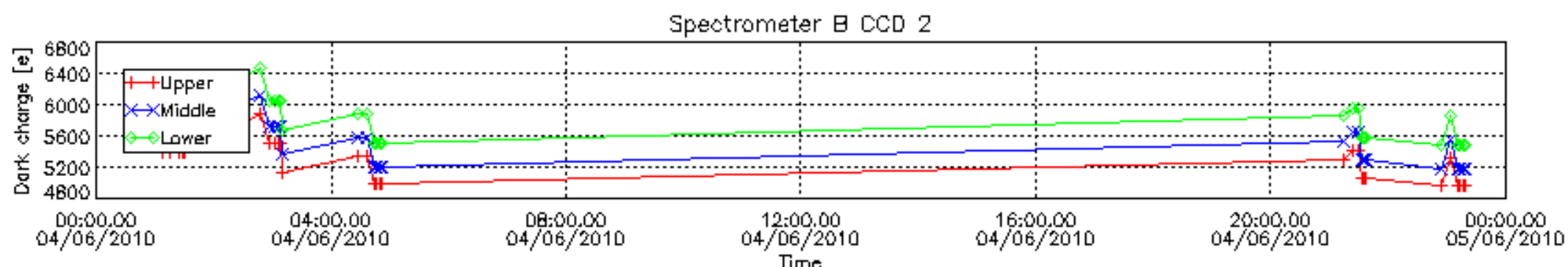
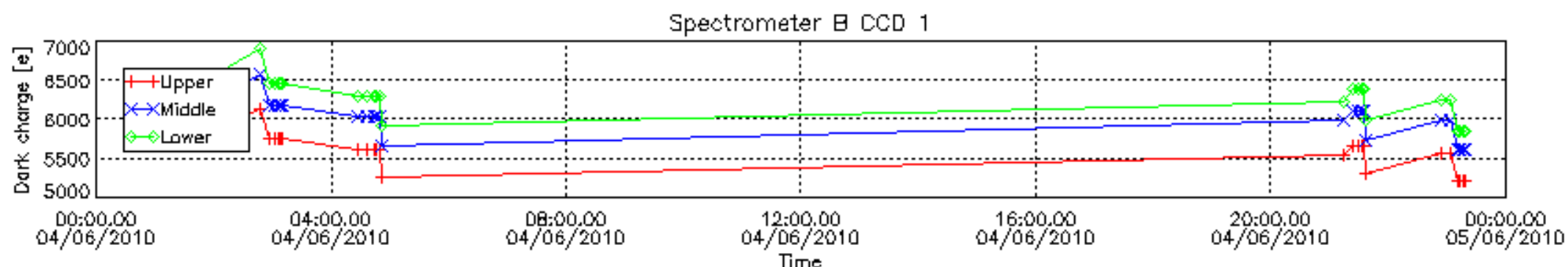
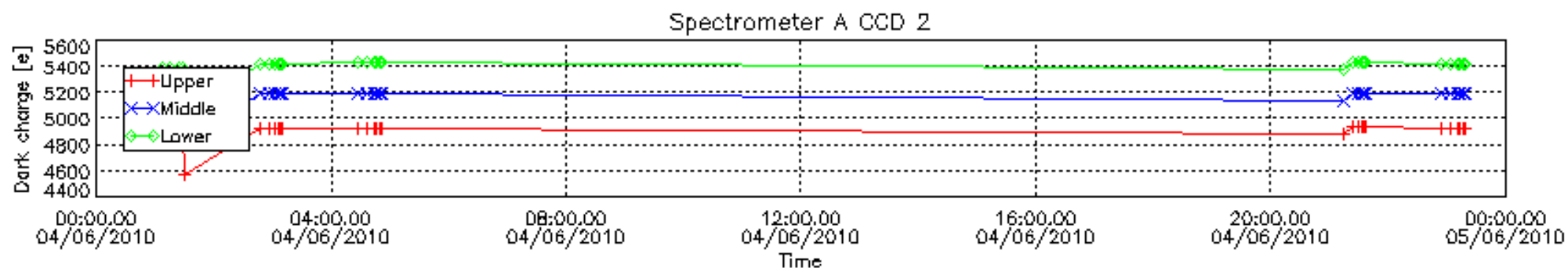
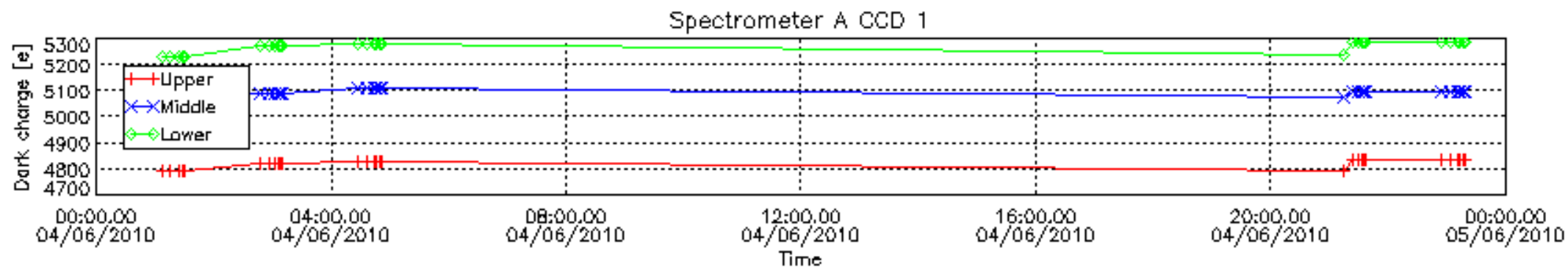
8. Auxiliary Data Files used for the production reported in section 2.4

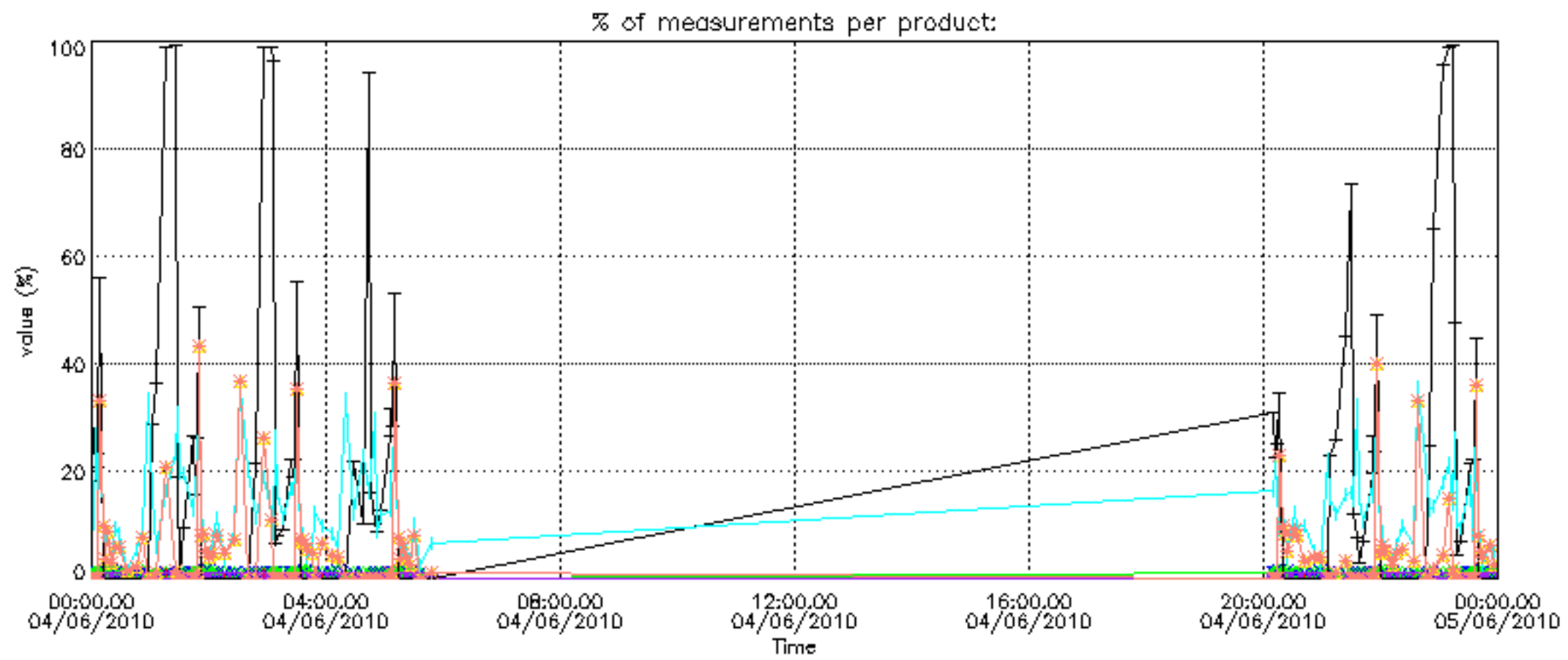
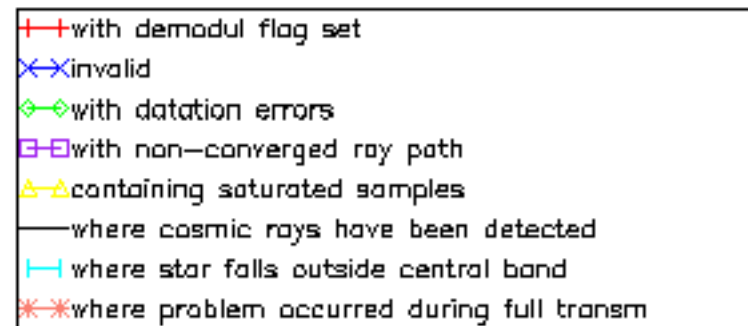
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	04-JUN-2010 00:01:32
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100526_084407_20100525_000000_20500101_000000	1	04-JUN-2010 00:01:32
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100604_095219_20100603_000000_20500101_000000	77	04-JUN-2010 20:10:30
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	04-JUN-2010 00:01:32
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	04-JUN-2010 00:01:32
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	04-JUN-2010 00:01:32
ECMWF_FILE	AUX_ECF_AXNECM20100603_054114_20100603_210000_20100604_090000	1	04-JUN-2010 00:01:32
ECMWF_FILE	AUX_ECF_AXNECM20100604_053131_20100604_150000_20100605_030000	77	04-JUN-2010 20:10:30
ECMWF_FILE	AUX_ECF_AXNECM20100604_055130_20100604_210000_20100605_090000	92	04-JUN-2010 21:23:17
OPTIONAL_ECMWF_FILE	MISSING	1	04-JUN-2010 00:01:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100603_233025_000057382090_00044_43184_0481.N1	1	04-JUN-2010 00:01:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100604_011122_000092452090_00045_43185_0482.N1	18	04-JUN-2010 01:15:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100604_035045_000066952090_00047_43187_0483.N1	54	04-JUN-2010 03:56:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100604_200823_000038252090_00057_43197_0484.N1	77	04-JUN-2010 20:10:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100604_211727_000057382090_00057_43197_0485.N1	92	04-JUN-2010 21:23:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100604_225824_000057382090_00058_43198_0486.N1	113	04-JUN-2010 23:03:54

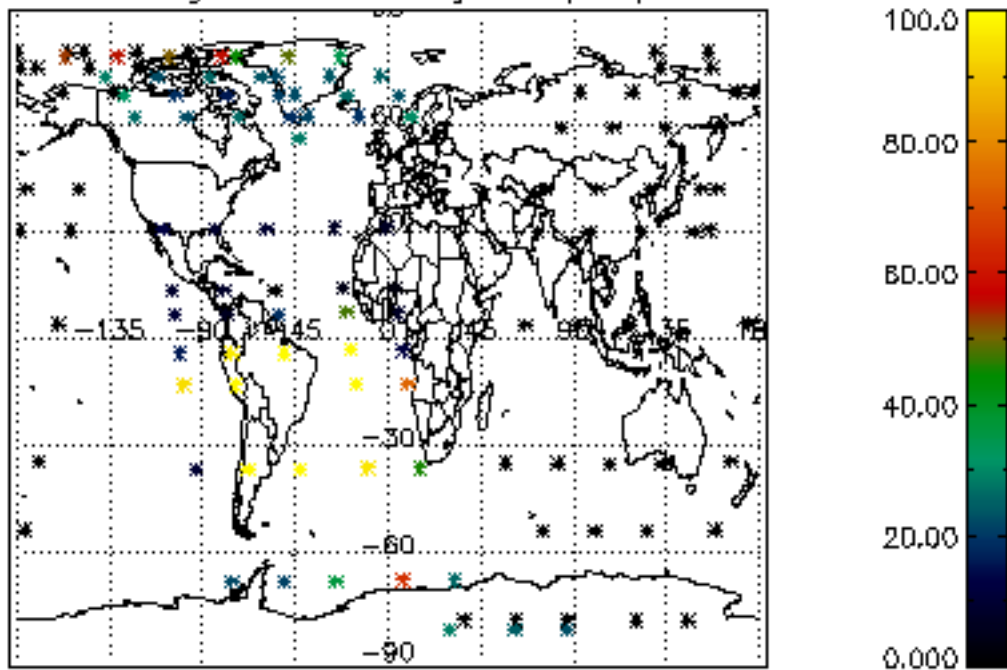




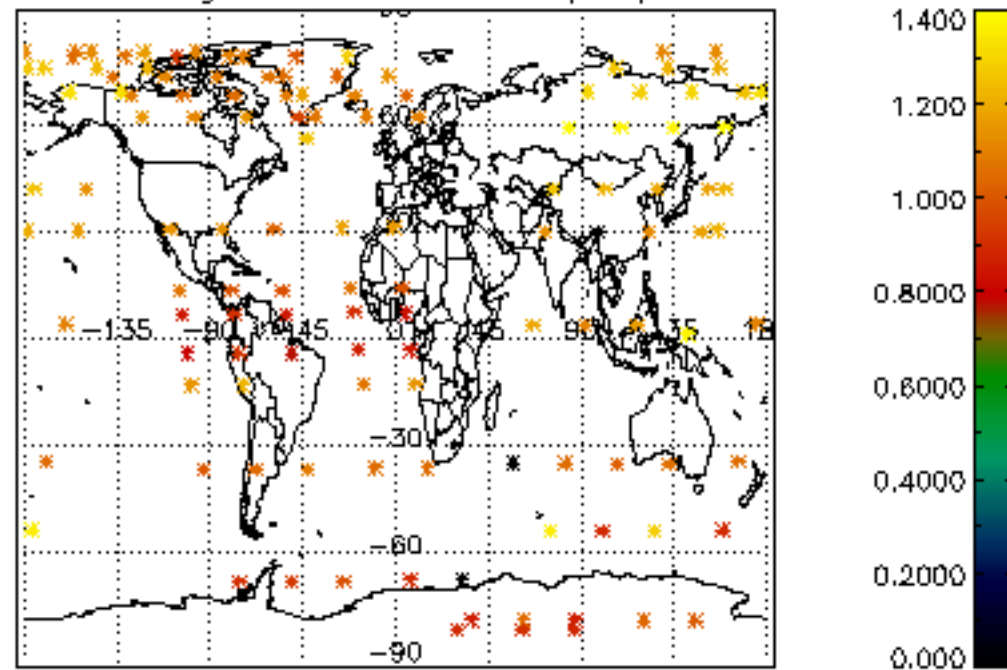




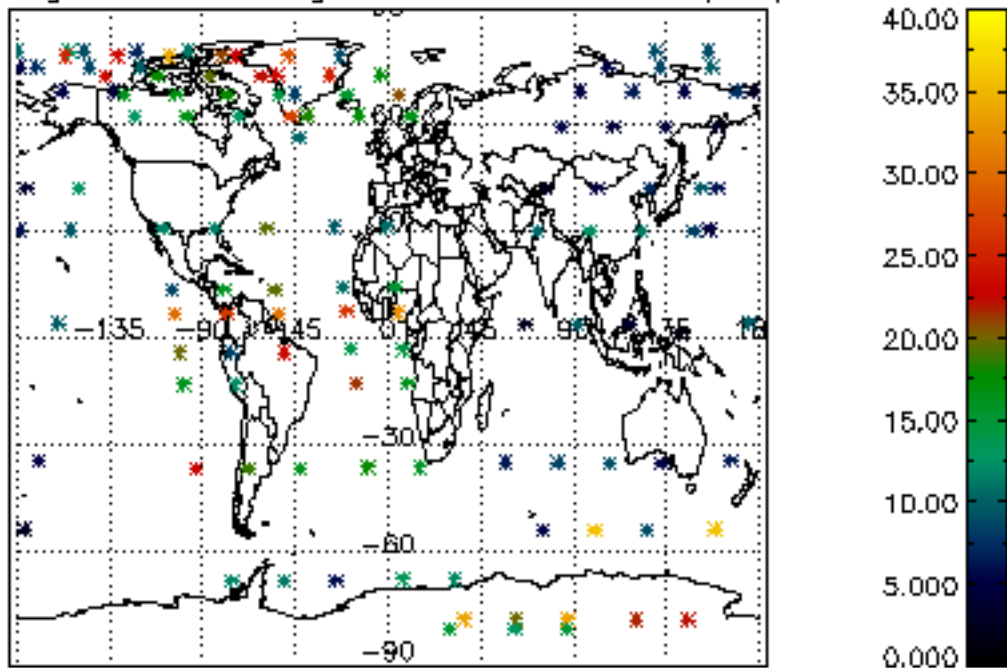
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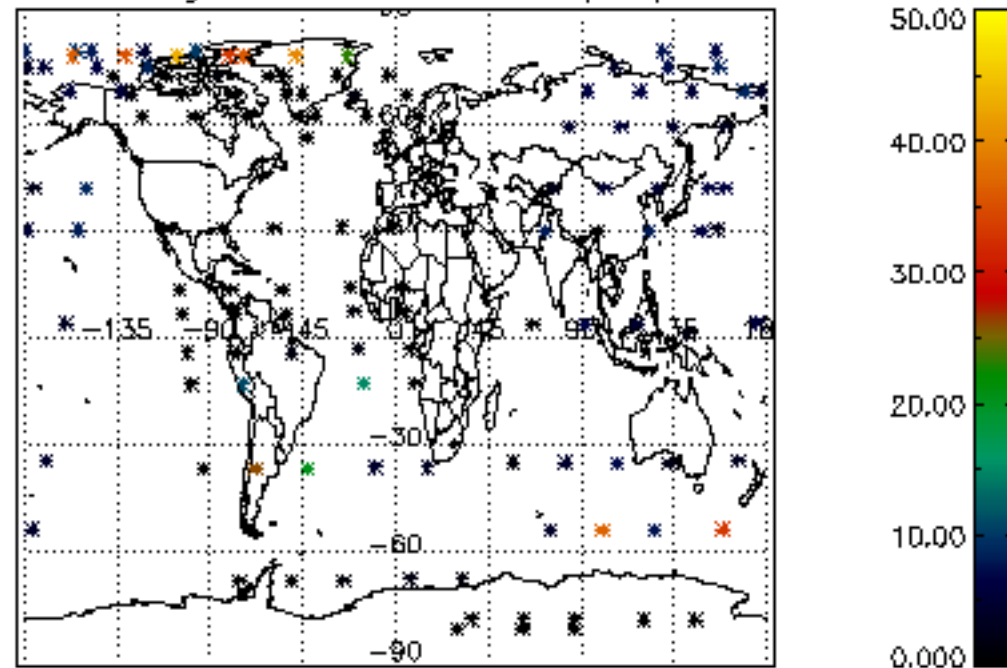
Percentage of datation errors per profile



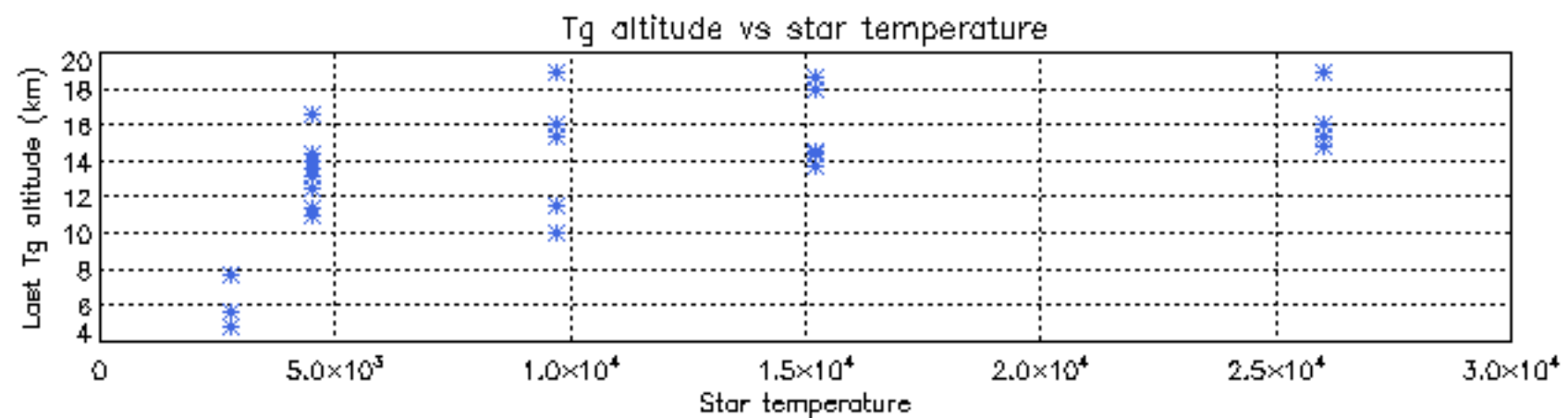
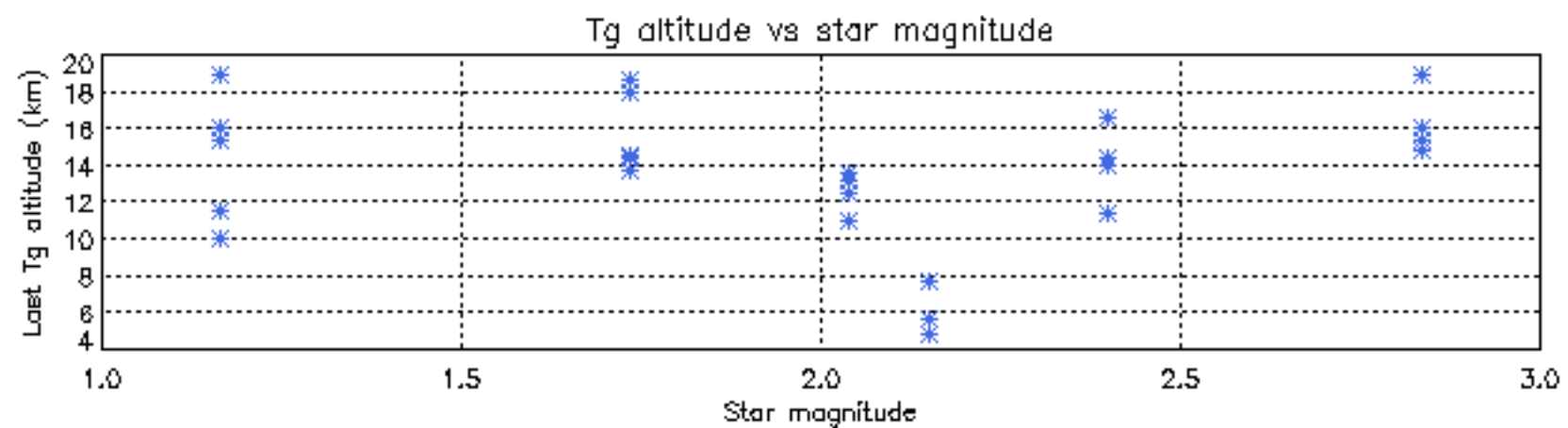
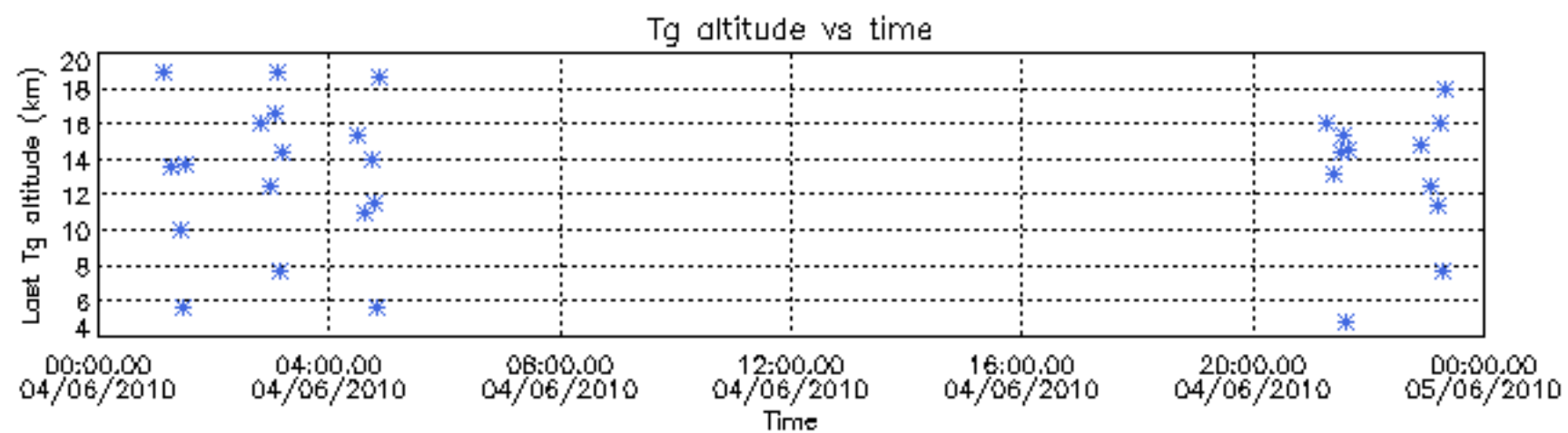
Percentage of star falling outside central band per profile



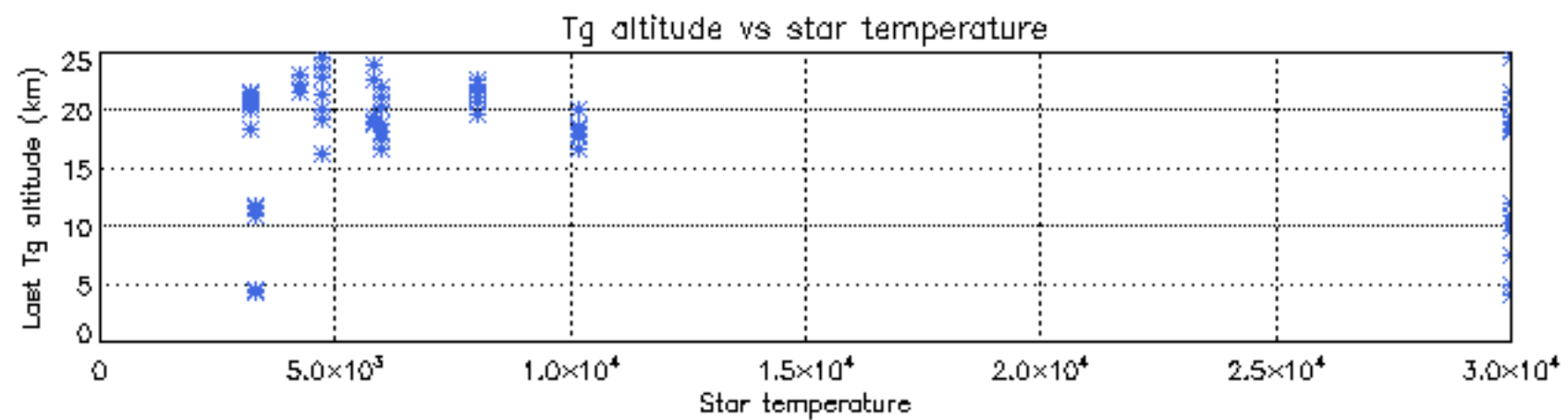
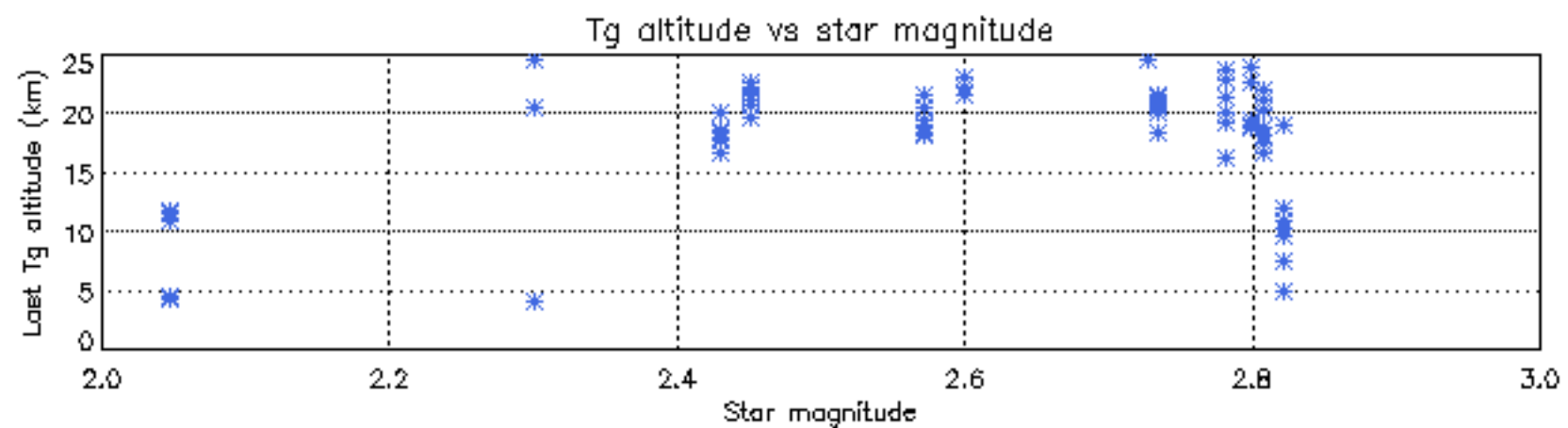
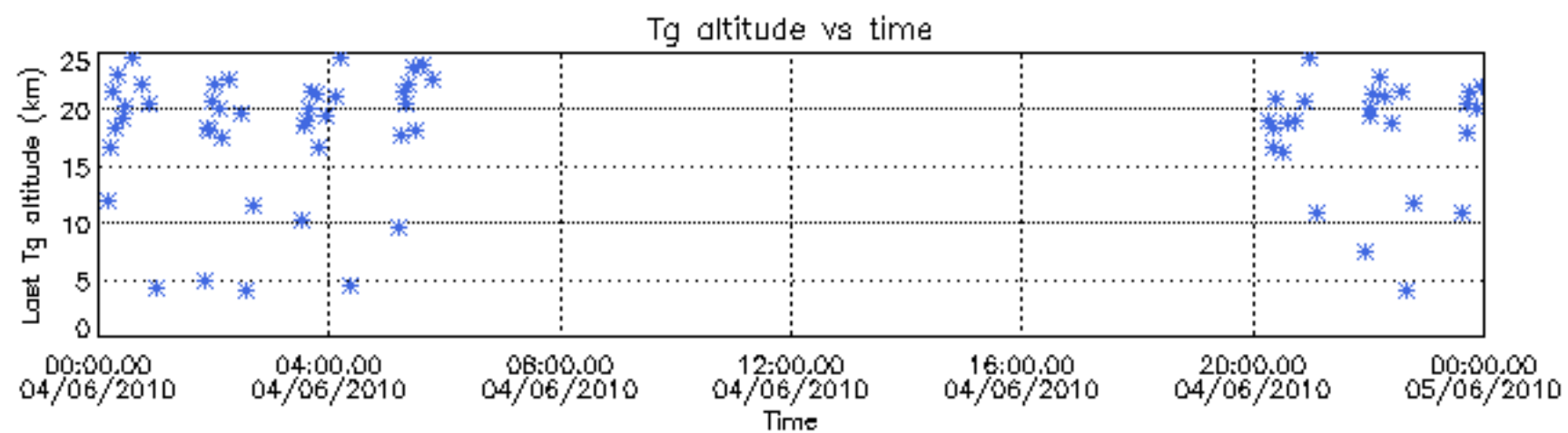
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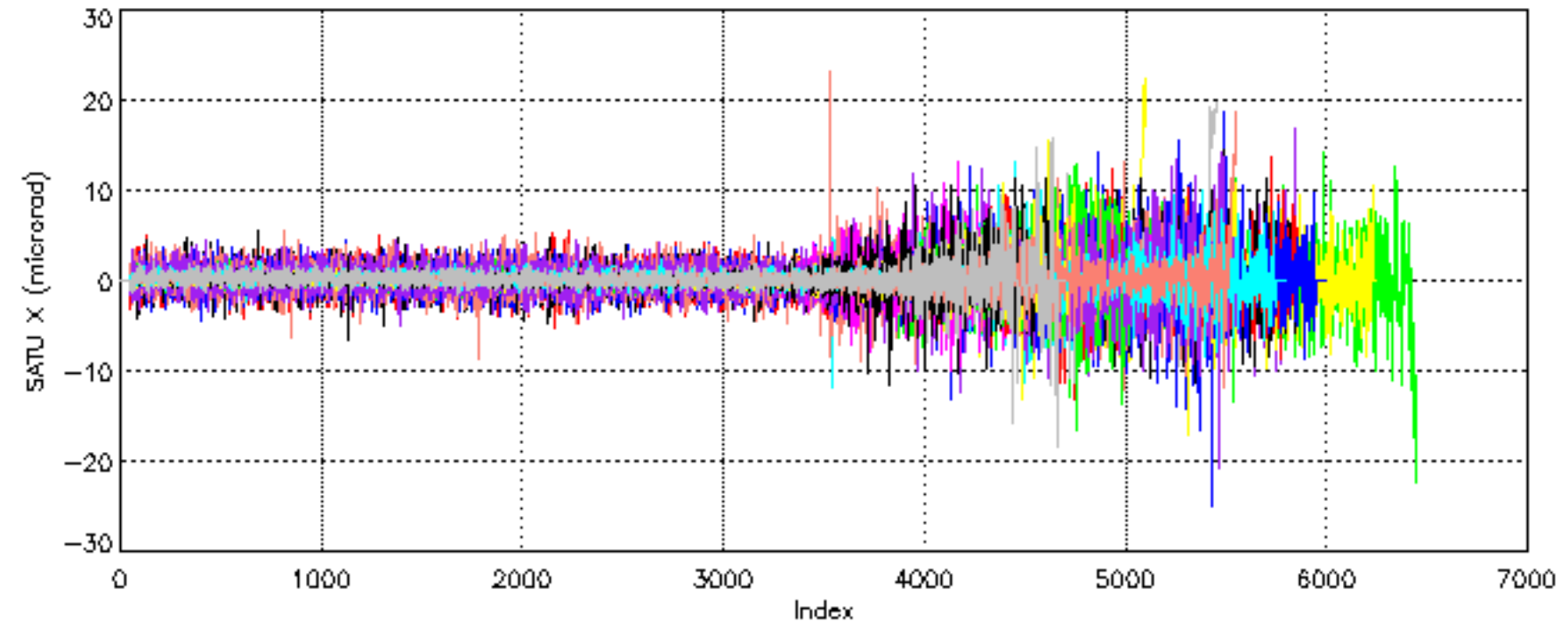


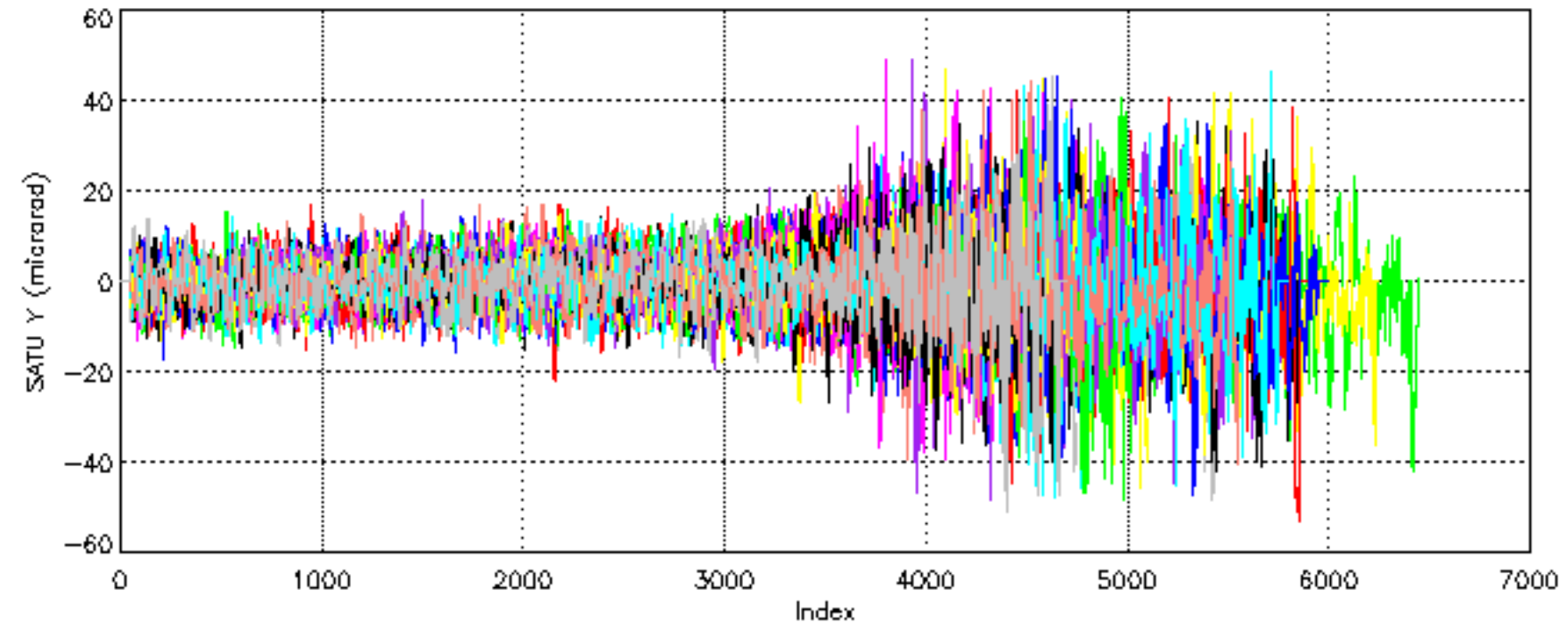
Tangent altitude at which the star is lost

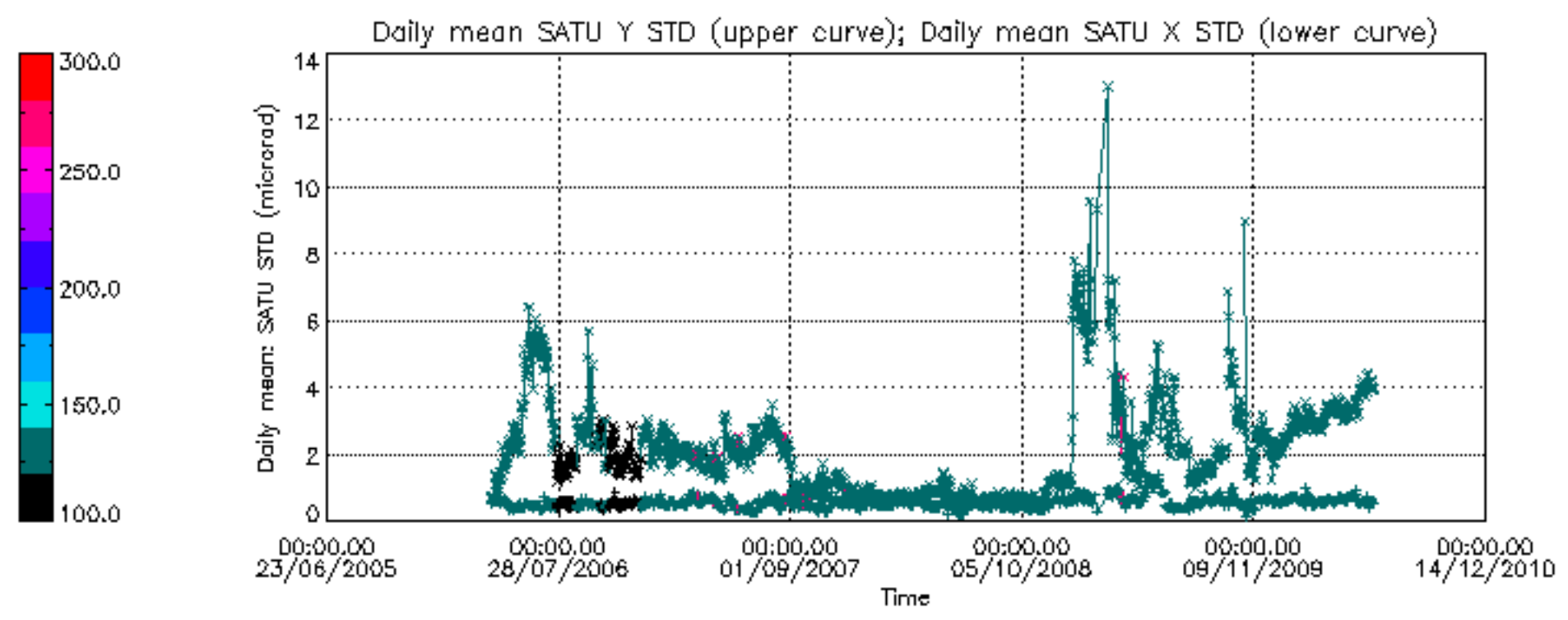


Tangent altitude at which the star is lost









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 6; 2306.5; 04-JUN-2010 15:29:30; Bright; 41.5; 127; 27Bet Her ; 2.78; 4700;occ; 83; 0;43194
 7; 2506.3; 04-JUN-2010 15:32:50; Bright; 41.0; 133; 40Zet Her ; 2.81; 6000;occ; 82; 0;43194
 8; 2947.1; 04-JUN-2010 15:40:11; Bright; 45.0; 130; 23Bet Dra ; 2.80; 5800;occ; 90; 0;43194
 9; 3599.2; 04-JUN-2010 15:51:03; Bright; 48.0; 89; 5Alp Cep ; 2.45; 8000;occ; 96; 0;43194
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 11; 4398.6; 04-JUN-2010 16:04:22; Bright; 48.0; 53; 43Bet And ; 2.05; 3300;occ; 96; 0;43194
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 13; 4879.1; 04-JUN-2010 16:12:23; Dark ; 53.5; 140; 88Gam Peg ; 2.83; 26000;occ; 107; 0;43194
 14; 5327.2; 04-JUN-2010 16:19:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43194
 15; 5424.1; 04-JUN-2010 16:21:28; Dark ; 46.5; 52; 16Bet Cet ; 2.04; 4500;occ; 93; 0;43194
 16; 5822.5; 04-JUN-2010 16:28:06; Dark ; 41.5; 84; Alp Phe ; 2.40; 4500;occ; 83; 0;43194
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 18; 6156.0; 04-JUN-2010 16:33:40; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43195
 19; 6272.4; 04-JUN-2010 16:35:36; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;43195
 20; 6557.7; 04-JUN-2010 16:40:21; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43195
 21; 7093.6; 04-JUN-2010 16:49:17; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43195
 22; 7200.1; 04-JUN-2010 16:51:04; Dark ; 46.5; 25; 35Lam Sco ; 1.62; 28000;occ; 93; 0;43195
 23; 7301.3; 04-JUN-2010 16:52:45; Dark ; 35.0; 75; 26Eps Sco ; 2.29; 4250;occ; 70; 0;43195

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 3; 1595.8; 04-JUN-2010 16:58:16; Bright; 45.0; 86; 35Eta Oph ; 2.43; 10200;occ; 90; 0;43195
 4; 1704.7; 04-JUN-2010 17:00:04; Bright; 40.5; 98; 13Zet Oph ; 2.57; 30000;occ; 81; 0;43195
 5; 1834.0; 04-JUN-2010 17:02:14; Bright; 38.5; 120; 1Del Oph ; 2.73; 3200;occ; 77; 0;43195
 6; 2020.8; 04-JUN-2010 17:05:21; Bright; 29.5; 102; 24Alp Ser ; 2.60; 4250;occ; 59; 0;43195
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 11; 3923.6; 04-JUN-2010 17:37:03; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;43195
 12; 4398.5; 04-JUN-2010 17:44:58; Bright; 52.5; 53; 43Bet And ; 2.05; 3300;occ; 105; 0;43195
 13; 4642.3; 04-JUN-2010 17:49:02; Dark ; 41.0; 105; 6Bet Ari ; 2.64; 8900;occ; 82; 0;43195
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 18; 5979.7; 04-JUN-2010 18:11:19; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;43195
 19; 6157.2; 04-JUN-2010 18:14:17; Dark ; 61.5; 63; Bet Gru ; 2.15; 2800;occ; 123; 0;43196
 20; 6273.7; 04-JUN-2010 18:16:13; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;43196
 21; 6558.3; 04-JUN-2010 18:20:58; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43196
 22; 7093.7; 04-JUN-2010 18:29:53; Dark ; 46.0; 40; The Sco ; 1.86; 7100;occ; 92; 0;43196

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 3; 1265.4; 04-JUN-2010 20:13:57; Dark ; 44.0; 75; 26Eps Sco ; 2.29; 4250;occ; 88; 0;43197
 4; 1384.8; 04-JUN-2010 20:15:56; Dark ; 39.0; 136; 23Tau Sco ; 2.82; 30000;occ; 78; 0;43197
 5; 1596.0; 04-JUN-2010 20:19:28; Bright; 45.5; 86; 35Eta Oph ; 2.43; 10200;occ; 91; 0;43197
 6; 1704.9; 04-JUN-2010 20:21:17; Bright; 41.0; 98; 13Zet Oph ; 2.57; 30000;occ; 82; 0;43197
 7; 1834.1; 04-JUN-2010 20:23:26; Bright; 38.0; 120; 1Del Oph ; 2.73; 3200;occ; 76; 0;43197
 8; 2305.5; 04-JUN-2010 20:31:17; Bright; 44.0; 127; 27Bet Her ; 2.78; 4700;occ; 88; 0;43197
 9; 2505.2; 04-JUN-2010 20:34:37; Bright; 43.0; 133; 40Zet Her ; 2.81; 6000;occ; 86; 0;43197
 10; 2945.2; 04-JUN-2010 20:41:57; Bright; 45.5; 130; 23Bet Dra ; 2.80; 5800;occ; 91; 0;43197
 11; 3597.4; 04-JUN-2010 20:52:49; Bright; 48.0; 89; 5Alp Cep ; 2.45; 8000;occ; 96; 0;43197
 12; 3923.4; 04-JUN-2010 20:58:15; Bright; 37.0; 76; 27Gam Cas ; 2.30; 30000;occ; 74; 0;43197
 13; 4398.6; 04-JUN-2010 21:06:10; Bright; 49.5; 53; 43Bet And ; 2.05; 3300;occ; 99; 0;43197
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 15; 4880.9; 04-JUN-2010 21:14:13; Dark ; 54.5; 140; 88Gam Peg ; 2.83; 26000;occ; 109; 0;43197

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 4; -53.8; 04-JUN-2010 21:32:34; Dark ; 59.0; 18; 24Alp PsA ; 1.17; 9700;occ; 118; 0;43197

5; 123.0; 04-JUN-2010 21:35:31; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;43198
6; 238.9; 04-JUN-2010 21:37:27; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;43198
7; 523.6; 04-JUN-2010 21:42:11; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43198
8; 1058.5; 04-JUN-2010 21:51:06; Dark ; 46.0; 40; The Sco ; 1.86; 7100;occ; 92; 0;43198
9; 1165.2; 04-JUN-2010 21:52:53; Dark ; 45.5; 25; 35Lam Sco ; 1.62; 28000;occ; 91; 0;43198
10; 1265.7; 04-JUN-2010 21:54:33; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;43198
11; 1384.9; 04-JUN-2010 21:56:33; Dark ; 50.0; 136; 23Tau Sco ; 2.82; 30000;occ; 100; 0;43198
12; 1596.1; 04-JUN-2010 22:00:04; Bright; 43.0; 86; 35Eta Oph ; 2.43; 10200;occ; 86; 0;43198
13; 1704.7; 04-JUN-2010 22:01:52; Bright; 40.5; 98; 13Zet Oph ; 2.57; 30000;occ; 81; 0;43198
14; 1833.8; 04-JUN-2010 22:04:01; Bright; 38.0; 120; 1Del Oph ; 2.73; 3200;occ; 76; 0;43198
15; 2305.1; 04-JUN-2010 22:11:53; Bright; 40.0; 127; 27Bet Her ; 2.78; 4700;occ; 80; 0;43198
16; 2504.7; 04-JUN-2010 22:15:12; Bright; 41.5; 133; 40Zet Her ; 2.81; 6000;occ; 83; 0;43198
17; 2944.7; 04-JUN-2010 22:22:32; Bright; 45.5; 130; 23Bet Dra ; 2.80; 5800;occ; 91; 0;43198
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19; 3923.3; 04-JUN-2010 22:38:51; Bright; 56.0; 76; 27Gam Cas ; 2.30; 30000;occ; 112; 0;43198
20; 4398.8; 04-JUN-2010 22:46:46; Bright; 48.5; 53; 43Bet And ; 2.05; 3300;occ; 97; 0;43198
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22; 4881.3; 04-JUN-2010 22:54:49; Dark ; 56.0; 140; 88Gam Peg ; 2.83; 26000;occ; 112; 0;43198
23; 5331.1; 04-JUN-2010 23:02:19; Dark ; 45.5; 0; ; 0.00; 0;occ; 91; 0;43198

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3; -211.6; 04-JUN-2010 23:10:32; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;43198
4; -52.2; 04-JUN-2010 23:13:11; Dark ; 58.0; 18; 24Alp PsA ; 1.17; 9700;occ; 116; 0;43198
5; 123.9; 04-JUN-2010 23:16:07; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;43199
6; 240.5; 04-JUN-2010 23:18:04; Dark ; 47.0; 31; Alp Gru ; 1.73; 15200;occ; 94; 0;43199
7; 524.3; 04-JUN-2010 23:22:48; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43199
8; 1058.7; 04-JUN-2010 23:31:42; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43199
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10; 1266.3; 04-JUN-2010 23:35:10; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;43199
11; 1385.3; 04-JUN-2010 23:37:09; Dark ; 46.0; 136; 23Tau Sco ; 2.82; 30000;occ; 92; 0;43199
12; 1596.1; 04-JUN-2010 23:40:40; Bright; 44.5; 86; 35Eta Oph ; 2.43; 10200;occ; 89; 0;43199
13; 1705.1; 04-JUN-2010 23:42:29; Bright; 39.5; 98; 13Zet Oph ; 2.57; 30000;occ; 79; 0;43199
14; 1833.7; 04-JUN-2010 23:44:37; Bright; 38.0; 120; 1Del Oph ; 2.73; 3200;occ; 76; 0;43199
15; 2305.2; 04-JUN-2010 23:52:29; Bright; 41.0; 127; 27Bet Her ; 2.78; 4700;occ; 82; 0;43199
16; 2504.3; 04-JUN-2010 23:55:48; Bright; 41.0; 133; 40Zet Her ; 2.81; 6000;occ; 82; 0;43199
17; 2944.2; 05-JUN-2010 00:03:08; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;43199
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19; 3923.0; 05-JUN-2010 00:19:26; Bright; 56.0; 76; 27Gam Cas ; 2.30; 30000;occ; 112; 0;43199
20; 4398.8; 05-JUN-2010 00:27:22; Bright; 48.0; 53; 43Bet And ; 2.05; 3300;occ; 96; 0;43199
21; 4567.3; 05-JUN-2010 00:30:11; Dark ; 56.0; 58; 21Alp And ; 2.07; 11000;occ; 112; 0;43199
22; 4882.0; 05-JUN-2010 00:35:26; Dark ; 55.0; 140; 88Gam Peg ; 2.83; 26000;occ; 110; 0;43199
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3; 1265.5; 04-JUN-2010 18:33:21; Dark ; 42.5; 75; 26Eps Sco ; 2.29; 4250;occ; 85; 0;43196
4; 1384.6; 04-JUN-2010 18:35:20; Dark ; 45.0; 136; 23Tau Sco ; 2.82; 30000;occ; 90; 0;43196
5; 1595.8; 04-JUN-2010 18:38:52; Bright; 45.5; 86; 35Eta Oph ; 2.43; 10200;occ; 91; 0;43196
6; 1704.9; 04-JUN-2010 18:40:41; Bright; 42.5; 98; 13Zet Oph ; 2.57; 30000;occ; 85; 0;43196
7; 1833.6; 04-JUN-2010 18:42:49; Bright; 40.0; 120; 1Del Oph ; 2.73; 3200;occ; 80; 0;43196
8; 2306.0; 04-JUN-2010 18:50:42; Bright; 39.5; 127; 27Bet Her ; 2.78; 4700;occ; 79; 0;43196
9; 2505.5; 04-JUN-2010 18:54:01; Bright; 42.5; 133; 40Zet Her ; 2.81; 6000;occ; 85; 0;43196
10; 2946.1; 04-JUN-2010 19:01:22; Bright; 44.5; 130; 23Bet Dra ; 2.80; 5800;occ; 89; 0;43196
11; 3598.3; 04-JUN-2010 19:12:14; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;43196
12; 3923.6; 04-JUN-2010 19:17:39; Bright; 36.0; 76; 27Gam Cas ; 2.30; 30000;occ; 72; 0;43196
13; 4398.6; 04-JUN-2010 19:25:34; Bright; 48.0; 53; 43Bet And ; 2.05; 3300;occ; 96; 0;43196
14; 4566.4; 04-JUN-2010 19:28:22; Dark ; 55.5; 58; 21Alp And ; 2.07; 11000;occ; 111; 0;43196
15; 4880.1; 04-JUN-2010 19:33:36; Dark ; 54.0; 140; 88Gam Peg ; 2.83; 26000;occ; 108; 0;43196
16; 5329.2; 04-JUN-2010 19:41:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43196
17; 5425.2; 04-JUN-2010 19:42:41; Dark ; 50.5; 52; 16Bet Cet ; 2.04; 4500;occ; 101; 0;43196
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19; 5981.0; 04-JUN-2010 19:51:57; Dark ; 56.0; 18; 24Alp PsA ; 1.17; 9700;occ; 112; 0;43196
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21; 6274.1; 04-JUN-2010 19:56:50; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43197
22; 6558.7; 04-JUN-2010 20:01:35; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;43197
23; 7093.8; 04-JUN-2010 20:10:30; Dark ; 26.5; 40; The Sco ; 1.86; 7100;occ; 53; 0;43197

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 22; 4882.2; 05-JUN-2010 02:16:02; Dark ; 57.0; 140; 88Gam Peg ; 2.83; 26000;occ; 114; 0;43200

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13; 2158.5; 16-JUN-2010 00:44:39; Bright; 45.5; 59; 55Alp Oph ; 2.08; 8900;occ; 91; 0;43357
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 21; 6427.8; 15-JUN-2010 19:13:24; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;43354
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 9; 2869.0; 15-JUN-2010 19:54:41; Bright; 42.5; 130; 23Bet Dra ; 2.80; 5800;occ; 85; 0;43354
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13; 1205.7; 16-JUN-2010 03:49:58; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;43359
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 17; 5383.6; 19-JUN-2010 18:30:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43410
 18; 5621.5; 19-JUN-2010 18:34:06; Dark ; 61.0; 52; 16Bet Cet ; 2.04; 4500;occ; 122; 0;43410
 19; 5979.0; 19-JUN-2010 18:40:03; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;43410
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 22; 6693.4; 19-JUN-2010 18:51:57; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43411

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 16; 4632.9; 19-JUN-2010 19:58:13; Dark ; 48.5; 50; 13Alp Ari ; 2.01; 4250;occ; 97; 0;43411
 17; 5384.1; 19-JUN-2010 20:10:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43411
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12; 2273.8; 20-JUN-2010 00:20:42; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;43414
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17; 3857.3; 20-JUN-2010 00:47:05; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;43414
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19; 4064.2; 20-JUN-2010 00:50:32; Bright; 34.0; 160; 23Gam Per ; 2.93; 4700;occ; 68; 0;43414
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32; 8031.5; 20-JUN-2010 03:37:15; Bright; 43.0; 126; 60Bet Oph ; 2.77; 4250;occ; 86; 0;43416
33; 8178.9; 20-JUN-2010 03:39:43; Bright; 40.0; 59; 55Alp Oph ; 2.08; 8900;occ; 80; 0;43416
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 21; 7358.8; 22-JUN-2010 09:05:12; Dark ; 46.0; 116; 19Del Sgr ; 2.70; 4100;occ; 92; 0;43448
 22; 7489.9; 22-JUN-2010 09:07:23; Bright; 52.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 104; 0;43448
 23; 7661.1; 22-JUN-2010 09:10:14; Bright; 37.5; 86; 35Eta Oph ; 2.43; 10200;occ; 75; 0;43448

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 6; 3430.1; 22-JUN-2010 09:40:19; Bright; 69.0; 89; 5Alp Cep ; 2.45; 8000;occ; 138; 0;43448
 7; 3844.0; 22-JUN-2010 09:47:13; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;43448
 8; 3934.8; 22-JUN-2010 09:48:44; Bright; 43.5; 68; 18Alp Cas ; 2.22; 4500;occ; 87; 0;43448
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 11; 4414.0; 22-JUN-2010 09:56:43; Dark ; 45.0; 173; 4Bet Tri ; 3.00; 8900;occ; 90; 0;43448
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 15; 6012.4; 22-JUN-2010 10:23:22; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;43448
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 20; 7358.9; 22-JUN-2010 10:45:48; Dark ; 50.5; 116; 19Del Sgr ; 2.70; 4100;occ; 101; 0;43449
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19; 7273.4; 22-JUN-2010 12:24:59; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;43450
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 24; 6408.2; 23-JUN-2010 03:15:57; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;43459
 25; 6530.7; 23-JUN-2010 03:17:59; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43459
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 29; 7492.4; 23-JUN-2010 03:34:01; Bright; 48.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 97; 0;43459
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 31; 8169.8; 23-JUN-2010 03:45:18; Bright; 41.5; 59; 55Alp Oph ; 2.08; 8900;occ; 83; 0;43459
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 34; 8869.6; 23-JUN-2010 03:56:58; Bright; 28.0; 130; 23Bet Dra ; 2.80; 5800;occ; 56; 0;43459

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 5;-1621.0; 23-JUN-2010 06:03:55; Dark ; 45.5; 173; 4Bet Tri ; 3.00; 8900;occ; 91; 0;43460
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 7;-1100.8; 23-JUN-2010 06:12:36; Dark ; 37.0; 94; 92Alp Cet ; 2.53; 3100;occ; 74; 0;43460
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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
 12; 685.8; 23-JUN-2010 06:42:22; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43461
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 15; 1456.9; 23-JUN-2010 06:55:13; Bright; 52.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 104; 0;43461
 16; 1989.3; 23-JUN-2010 07:04:06; Bright; 40.5; 126; 60Bet Oph ; 2.77; 4250;occ; 81; 0;43461
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 13; 1241.5; 23-JUN-2010 08:32:14; Dark ; 47.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 95; 0;43462
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13; 4270.3; 23-JUN-2010 21:06:54; Bright; 44.5; 73; 57Gam1And ; 2.26; 13100;occ; 89; 0;43469
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4; 506.4; 23-JUN-2010 23:25:22; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43471
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8; 1459.2; 23-JUN-2010 23:41:15; Bright; 50.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 100; 0;43471
9; 1988.1; 23-JUN-2010 23:50:04; Bright; 39.5; 126; 60Bet Oph ; 2.77; 4250;occ; 79; 0;43471
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11; 2446.6; 23-JUN-2010 23:57:42; Bright; 34.5; 133; 40Zet Her ; 2.81; 6000;occ; 69; 0;43471
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15; 3834.2; 24-JUN-2010 00:20:50; Bright; 67.0; 74; 11Bet Cas ; 2.27; 6600;occ; 134; 0;43471
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13; 2830.4; 24-JUN-2010 01:44:42; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;43472
14; 3414.0; 24-JUN-2010 01:54:25; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;43472
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16; 3926.6; 24-JUN-2010 02:02:58; Bright; 46.5; 68; 18Alp Cas ; 2.22; 4500;occ; 93; 0;43472
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 4; 508.0; 24-JUN-2010 02:46:35; Dark ; 54.0; 31; Alp Gru ; 1.73; 15200;occ; 108; 0;43473
 5; 692.2; 24-JUN-2010 02:49:39; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43473
 6; 1244.6; 24-JUN-2010 02:58:52; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;43473
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11; 2446.5; 24-JUN-2010 03:18:54; Bright; 35.5; 133; 40Zet Her ; 2.81; 6000;occ; 71; 0;43473
12; 2710.0; 24-JUN-2010 03:23:17; Bright; 49.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 99; 0;43473
13; 2830.2; 24-JUN-2010 03:25:17; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;43473
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 4;-1765.9; 24-JUN-2010 03:49:17; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;43473
 5;-1619.5; 24-JUN-2010 03:51:44; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;43473
 6;-1387.1; 24-JUN-2010 03:55:36; Dark ; 55.0; 50; 13Alp Ari ; 2.01; 4250;occ; 110; 0;43473
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11; 509.0; 24-JUN-2010 04:27:12; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;43474
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13; 1245.2; 24-JUN-2010 04:39:28; Dark ; 44.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 88; 0;43474
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15; 1459.9; 24-JUN-2010 04:43:03; Bright; 51.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 102; 0;43474
16; 1988.1; 24-JUN-2010 04:51:51; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;43474
17; 2131.7; 24-JUN-2010 04:54:15; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;43474
18; 2446.6; 24-JUN-2010 04:59:30; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;43474
19; 2709.6; 24-JUN-2010 05:03:53; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;43474
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21; 3412.7; 24-JUN-2010 05:15:36; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;43474

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 13; 1245.7; 24-JUN-2010 06:20:05; Dark ; 47.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 94; 0;43475
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 15; 1460.1; 24-JUN-2010 06:23:39; Bright; 50.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 100; 0;43475
 16; 1987.9; 24-JUN-2010 06:32:27; Bright; 40.0; 126; 60Bet Oph ; 2.77; 4250;occ; 80; 0;43475
 17; 2131.6; 24-JUN-2010 06:34:51; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;43475
 18; 2446.4; 24-JUN-2010 06:40:06; Bright; 38.0; 133; 40Zet Her ; 2.81; 6000;occ; 76; 0;43475
 19; 2708.7; 24-JUN-2010 06:44:28; Bright; 49.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 99; 0;43475
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 13; 4417.3; 24-JUN-2010 20:37:44; Dark ; 31.0; 53; 43Bet And ; 2.05; 3300;occ; 62; 0;43483
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19; 4417.2; 24-JUN-2010 23:58:56; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;43485
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9; 12.0; 25-JUN-2010 03:47:18; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;43488
10; 401.2; 25-JUN-2010 03:53:47; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43488
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17; 2130.0; 25-JUN-2010 04:22:36; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;43488
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19; 2826.3; 25-JUN-2010 04:34:12; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;43488
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 3; -1971.3; 25-JUN-2010 04:54:51; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43488
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 12; 701.3; 25-JUN-2010 05:39:23; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43489
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 6; 1252.6; 25-JUN-2010 22:34:34; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;43499
 7; 1336.7; 25-JUN-2010 22:35:58; Dark ; 50.5; 116; 19Del Sgr ; 2.70; 4100;occ; 101; 0;43499
 8; 1465.3; 25-JUN-2010 22:38:07; Bright; 49.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 99; 0;43499
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 10; 2128.1; 25-JUN-2010 22:49:10; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;43499
 11; 2693.2; 25-JUN-2010 22:58:35; Bright; 50.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 100; 0;43499
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7;-1086.9; 26-JUN-2010 02:57:22; Dark ; 45.0; 94; 92Alp Cet ; 2.53; 3100;occ; 90; 0;43501
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13; 3374.6; 28-JUN-2010 01:27:54; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;43529
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