

GOMOS Daily Report 01-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	04JUN2010 04:54:33
Data source version	GOMOS/5.00L04
Start time of products	01JUN2010 00:00:45
Stop time of products	01JUN2010 23:58:20
Store outputs in DB	Yes
Nb of level 1b prods	164
Nb of prods with errors	1

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

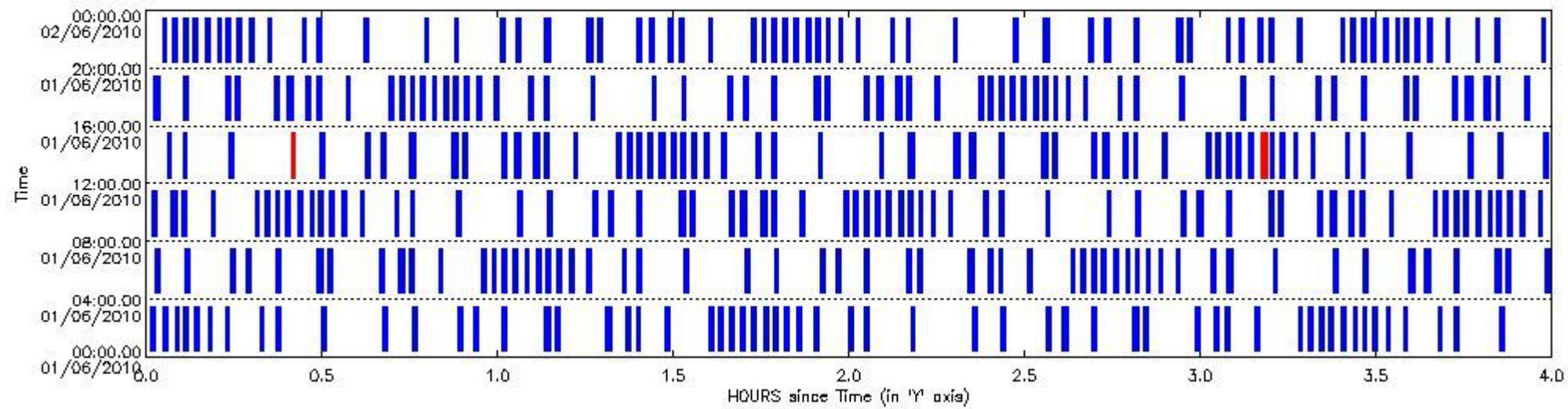
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
01-JUN-2010 12:24:42	5AlpCep	89	43149
01-JUN-2010 15:10:26	7DelSco	80	43151

2.4 Summary of processed GOM_TRA_1P products

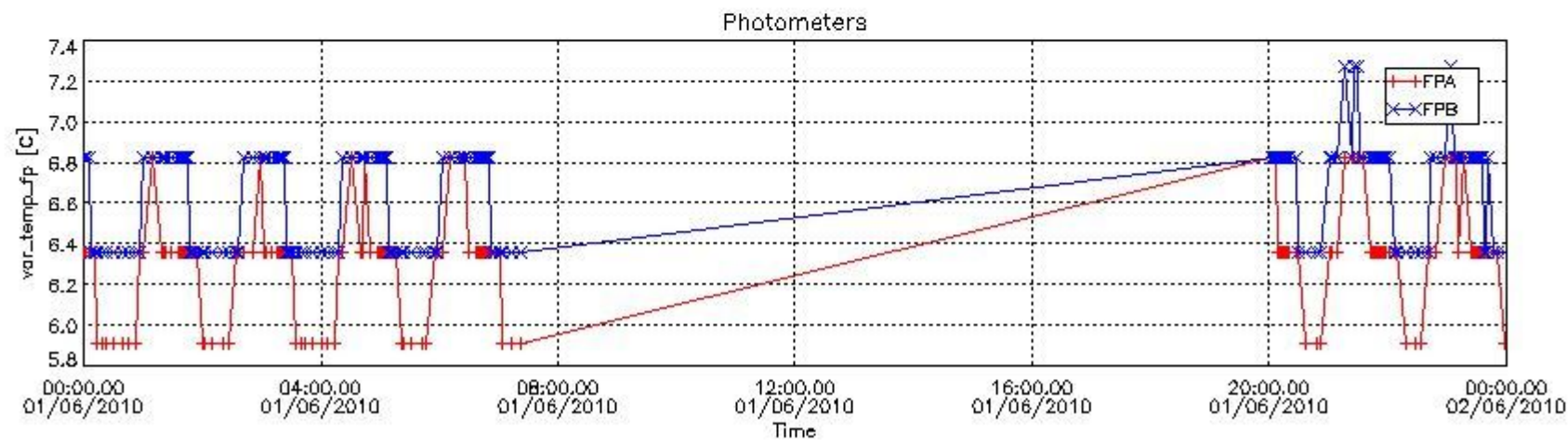
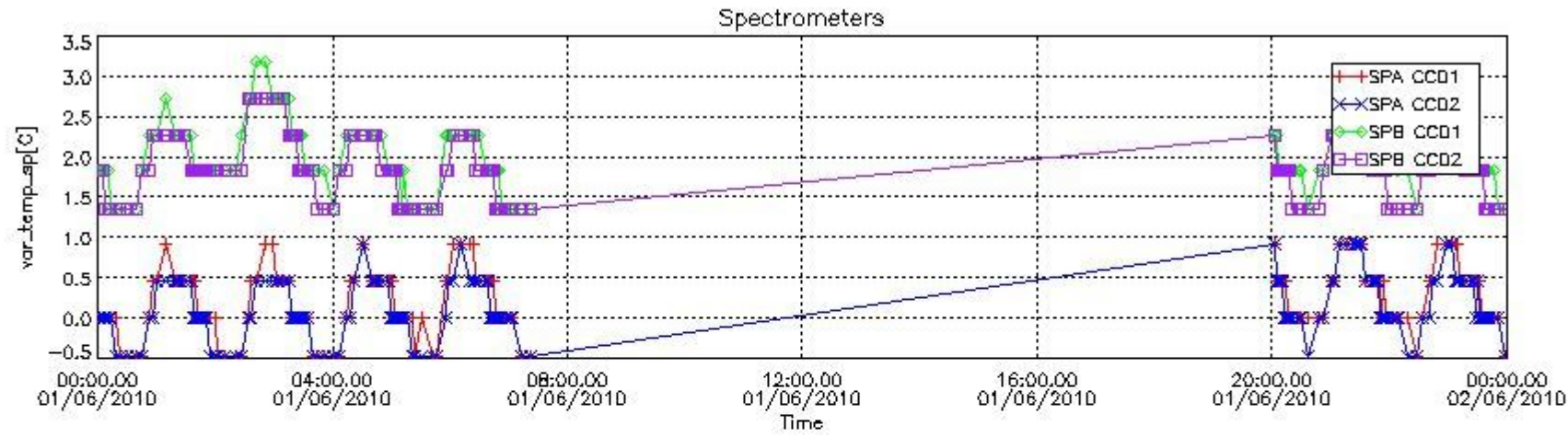
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100601_000045_000000522090_00002_43142_5602.N1	01-JUN-2010 00:00:45	Twl_and_stray	51.500	75	26Eps Sco	2.2910	4250.0	103	43142	No
2	GOM_TRA_1PNPDE20100601_000247_000000502090_00002_43142_5603.N1	01-JUN-2010 00:02:47	Bright	49.500	136	23Tau Sco	2.8220	30000.	99	43142	No
3	GOM_TRA_1PNPDE20100601_000452_000000412090_00002_43142_5604.N1	01-JUN-2010 00:04:52	Bright	40.500	80	7Del Sco	2.3160	30000.	81	43142	No
4	GOM_TRA_1PNPDE20100601_000626_000000462090_00002_43142_5605.N1	01-JUN-2010 00:06:26	Bright	46.000	86	35Eta Oph	2.4300	10200.	92	43142	No
5	GOM_TRA_1PNPDE20100601_000818_000000442090_00002_43142_5606.N1	01-JUN-2010 00:08:18	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	43142	No
6	GOM_TRA_1PNPDE20100601_001029_000000402090_00002_43142_5607.N1	01-JUN-2010 00:10:29	Bright	40.000	120	1Del Oph	2.7340	3200.0	80	43142	No
7	GOM_TRA_1PNPDE20100601_001330_000000372090_00002_43142_5608.N1	01-JUN-2010 00:13:30	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	43142	No
8	GOM_TRA_1PNPDE20100601_001925_000000372090_00002_43142_5609.N1	01-JUN-2010 00:19:25	Bright	36.500	67	5Alp CrB	2.2210	11000.	73	43142	No
9	GOM_TRA_1PNPDE20100601_002206_000000562090_00002_43142_5610.N1	01-JUN-2010 00:22:06	Bright	55.500	133	40Zet Her	2.8070	6000.0	111	43142	No

10	GOM_TRA_1PNPDE20100601_003001_000000382090_00002_43142_5611.N1	01-JUN-2010 00:30:01	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	43142	No
11	GOM_TRA_1PNPDE20100601_004026_000000472090_00002_43142_5612.N1	01-JUN-2010 00:40:26	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	43142	No
12	GOM_TRA_1PNPDE20100601_004525_000000552090_00002_43142_5613.N1	01-JUN-2010 00:45:25	Bright	55.000	76	27Gam Cas	2.3000	30000.	110	43142	No
13	GOM_TRA_1PNPDE20100601_005308_000000572090_00002_43142_5614.N1	01-JUN-2010 00:53:08	Bright	56.500	53	43Bet And	2.0480	3300.0	113	43142	No
14	GOM_TRA_1PNPDE20100601_005550_000000562090_00002_43142_5615.N1	01-JUN-2010 00:55:50	Tw_i_and_stray	56.000	58	21Alp And	2.0730	11000.	112	43142	No
15	GOM_TRA_1PNPDE20100601_010046_000000512090_00002_43142_5616.N1	01-JUN-2010 01:00:46	Dark	50.500	140	88Gam Peg	2.8340	26000.	101	43142	No
16	GOM_TRA_1PNPDE20100601_010946_000000462090_00002_43142_5628.N1	01-JUN-2010 01:09:46	Dark	46.000	52	16Bet Cet	2.0370	4500.0	92	43142	No
17	GOM_TRA_1PNPDE20100601_011826_000000552090_00002_43142_5629.N1	01-JUN-2010 01:18:26	Dark	55.000	18	24Alp PsA	1.1660	9700.0	110	43142	No
18	GOM_TRA_1PNPDE20100601_012146_000000572090_00003_43143_5630.N1	01-JUN-2010 01:21:46	Dark	56.500	63	Bet Gru	2.1500	2800.0	113	43143	No
19	GOM_TRA_1PNPDE20100601_012338_000000462090_00003_43143_5631.N1	01-JUN-2010 01:23:38	Dark	46.000	31	Alp Gru	1.7340	15200.	92	43143	No
20	GOM_TRA_1PNPDE20100601_012837_000000442090_00003_43143_5632.N1	01-JUN-2010 01:28:37	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	43143	No
21	GOM_TRA_1PNPDE20100601_013605_000000402090_00003_43143_5633.N1	01-JUN-2010 01:36:05	Straylight	40.000	147	Alp Ara	2.8770	26000.	80	43143	No
22	GOM_TRA_1PNPDE20100601_013746_000000472090_00003_43143_5634.N1	01-JUN-2010 01:37:46	Straylight	46.500	40	The Sco	1.8590	7100.0	93	43143	No
23	GOM_TRA_1PNPDE20100601_013934_000000502090_00003_43143_5635.N1	01-JUN-2010 01:39:34	Tw_i_and_stray	49.500	25	35Lam Sco	1.6200	28000.	99	43143	No
24	GOM_TRA_1PNPDE20100601_014121_000000482090_00003_43143_5636.N1	01-JUN-2010 01:41:21	Tw_i_and_stray	47.500	75	26Eps Sco	2.2910	4250.0	95	43143	No
25	GOM_TRA_1PNPDE20100601_014323_000000432090_00003_43143_5637.N1	01-JUN-2010 01:43:23	Bright	43.000	136	23Tau Sco	2.8220	30000.	86	43143	No
26	GOM_TRA_1PNPDE20100601_014529_000000402090_00003_43143_5638.N1	01-JUN-2010 01:45:29	Bright	40.000	80	7Del Sco	2.3160	30000.	80	43143	No
27	GOM_TRA_1PNPDE20100601_014702_000000472090_00003_43143_5639.N1	01-JUN-2010 01:47:02	Bright	46.500	86	35Eta Oph	2.4300	10200.	93	43143	No
28	GOM_TRA_1PNPDE20100601_014854_000000432090_00003_43143_5640.N1	01-JUN-2010 01:48:54	Bright	42.500	98	13Zet Oph	2.5710	30000.	85	43143	No
29	GOM_TRA_1PNPDE20100601_015105_000000412090_00003_43143_5641.N1	01-JUN-2010 01:51:05	Bright	40.500	120	1Del Oph	2.7340	3200.0	81	43143	No
30	GOM_TRA_1PNPDE20100601_015406_000000372090_00003_43143_5642.N1	01-JUN-2010 01:54:06	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	43143	No
31	GOM_TRA_1PNPDE20100601_020000_000000392090_00003_43143_5643.N1	01-JUN-2010 02:00:00	Bright	38.500	67	5Alp CrB	2.2210	11000.	77	43143	No
32	GOM_TRA_1PNPDE20100601_020241_000000432090_00003_43143_5644.N1	01-JUN-2010 02:02:41	Bright	43.000	133	40Zet Her	2.8070	6000.0	86	43143	No
33	GOM_TRA_1PNPDE20100601_021037_000000372090_00003_43143_5645.N1	01-JUN-2010 02:10:37	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	43143	No
34	GOM_TRA_1PNPDE20100601_022101_000000472090_00003_43143_5646.N1	01-JUN-2010 02:21:01	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	43143	No
35	GOM_TRA_1PNPDE20100601_022600_000000372090_00003_43143_5647.N1	01-JUN-2010 02:26:00	Bright	37.000	76	27Gam Cas	2.3000	30000.	74	43143	No
36	GOM_TRA_1PNPDE20100601_023345_000000482090_00003_43143_5648.N1	01-JUN-2010 02:33:45	Bright	48.000	53	43Bet And	2.0480	3300.0	96	43143	No
37	GOM_TRA_1PNPDE20100601_023627_000000532090_00003_43143_5649.N1	01-JUN-2010 02:36:27	Tw_i_and_stray	53.000	58	21Alp And	2.0730	11000.	106	43143	No
38	GOM_TRA_1PNPDE20100601_024123_000000522090_00003_43143_5650.N1	01-JUN-2010 02:41:23	Dark	51.500	140	88Gam Peg	2.8340	26000.	103	43143	No
39	GOM_TRA_1PNPDE20100601_025022_000000502090_00003_43143_5651.N1	01-JUN-2010 02:50:22	Dark	49.500	52	16Bet Cet	2.0370	4500.0	99	43143	No
40	GOM_TRA_1PNPDE20100601_025903_000000582090_00003_43143_5652.N1	01-JUN-2010 02:59:03	Dark	58.000	18	24Alp PsA	1.1660	9700.0	116	43143	No
41	GOM_TRA_1PNPDE20100601_030223_000000482090_00004_43144_5653.N1	01-JUN-2010 03:02:23	Dark	48.000	63	Bet Gru	2.1500	2800.0	96	43144	No
42	GOM_TRA_1PNPDE20100601_030415_000000452090_00004_43144_5654.N1	01-JUN-2010 03:04:15	Dark	45.000	31	Alp Gru	1.7340	15200.	90	43144	No
43	GOM_TRA_1PNPDE20100601_030914_000000442090_00004_43144_5655.N1	01-JUN-2010 03:09:14	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43144	No
44	GOM_TRA_1PNPDE20100601_031642_000000422090_00004_43144_5656.N1	01-JUN-2010 03:16:42	Straylight	42.000	147	Alp Ara	2.8770	26000.	84	43144	No
45	GOM_TRA_1PNPDE20100601_031823_000000462090_00004_43144_5657.N1	01-JUN-2010 03:18:23	Straylight	46.000	40	The Sco	1.8590	7100.0	92	43144	No
46	GOM_TRA_1PNPDE20100601_032010_000000482090_00004_43144_5658.N1	01-JUN-2010 03:20:10	Tw_i_and_stray	47.500	25	35Lam Sco	1.6200	28000.	95	43144	No
47	GOM_TRA_1PNPDE20100601_032157_000000442090_00004_43144_5659.N1	01-JUN-2010 03:21:57	Tw_i_and_stray	43.500	75	26Eps Sco	2.2910	4250.0	87	43144	No
48	GOM_TRA_1PNPDE20100601_032400_000000452090_00004_43144_5660.N1	01-JUN-2010 03:24:00	Bright	44.500	136	23Tau Sco	2.8220	30000.	89	43144	No
49	GOM_TRA_1PNPDE20100601_032605_000000392090_00004_43144_5661.N1	01-JUN-2010 03:26:05	Bright	38.500	80	7Del Sco	2.3160	30000.	77	43144	No
50	GOM_TRA_1PNPDE20100601_032738_000000482090_00004_43144_5662.N1	01-JUN-2010 03:27:38	Bright	48.000	86	35Eta Oph	2.4300	10200.	96	43144	No
51	GOM_TRA_1PNPDE20100601_032930_000000432090_00004_43144_5663.N1	01-JUN-2010 03:29:30	Bright	42.500	98	13Zet Oph	2.5710	30000.	85	43144	No
52	GOM_TRA_1PNPDE20100601_033141_000000402090_00004_43144_5664.N1	01-JUN-2010 03:31:41	Bright	40.000	120	1Del Oph	2.7340	3200.0	80	43144	No
53	GOM_TRA_1PNPDE20100601_033442_000000372090_00004_43144_5665.N1	01-JUN-2010 03:34:42	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	43144	No
54	GOM_TRA_1PNPDE20100601_034036_000000372090_00004_43144_5666.N1	01-JUN-2010 03:40:36	Bright	36.500	67	5Alp CrB	2.2210	11000.	73	43144	No
55	GOM_TRA_1PNPDE20100601_034316_000000432090_00004_43144_5667.N1	01-JUN-2010 03:43:16	Bright	43.000	133	40Zet Her	2.8070	6000.0	86	43144	No
56	GOM_TRA_1PNPDE20100601_035112_000000412090_00004_43144_5653.N1	01-JUN-2010 03:51:12	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	43144	No
57	GOM_TRA_1PNPDE20100601_040137_000000462090_00004_43144_5654.N1	01-JUN-2010 04:01:37	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	43144	No
58	GOM_TRA_1PNPDE20100601_040636_000000552090_00004_43144_5655.N1	01-JUN-2010 04:06:36	Bright	55.000	76	27Gam Cas	2.3000	30000.	110	43144	No
59	GOM_TRA_1PNPDE20100601_041421_000000472090_00004_43144_5656.N1	01-JUN-2010 04:14:21	Bright	46.500	53	43Bet And	2.0480	3300.0	93	43144	No
60	GOM_TRA_1PNPDE20100601_041702_000000532090_00004_43144_5657.N1	01-JUN-2010 04:17:02	Tw_i_and_stray	52.500	58	21Alp And	2.0730	11000.	105	43144	No
61	GOM_TRA_1PNPDE20100601_042159_000000512090_00004_43144_5658.N1	01-JUN-2010 04:21:59	Dark	50.500	140	88Gam Peg	2.8340	26000.	101	43144	No
62	GOM_TRA_1PNPDE20100601_043059_000000492090_00004_43144_5659.N1	01-JUN-2010 04:30:59	Dark	48.500	52	16Bet Cet	2.0370	4500.0	97	43144	No
63	GOM_TRA_1PNPDE20100601_043940_000000542090_00004_43144_5660.N1	01-JUN-2010 04:39:40	Dark	54.000	18	24Alp PsA	1.1660	9700.0	108	43144	No
64	GOM_TRA_1PNPDE20100601_044300_000000612090_00005_43145_5661.N1	01-JUN-2010 04:43:00	Dark	60.500	63	Bet Gru	2.1500	2800.0	121	43145	No
65	GOM_TRA_1PNPDE20100601_044452_000000482090_00005_43145_5662.N1	01-JUN-2010 04:44:52	Dark	47.500	31	Alp Gru	1.7340	15200.	95	43145	No
66	GOM_TRA_1PNPDE20100601_044951_000000432090_00005_43145_5663.N1	01-JUN-2010 04:49:51	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	43145	No
67	GOM_TRA_1PNPDE20100601_045718_000000392090_00005_43145_5664.N1	01-JUN-2010 04:57:18	Straylight	38.500	147	Alp Ara	2.8770	26000.	77	43145	No
68	GOM_TRA_1PNPDE20100601_045859_000000472090_00005_43145_5665.N1	01-JUN-2010 04:58:59	Straylight	46.500	40	The Sco	1.8590	7100.0	93	43145	No

69	GOM_TRA_1PNPDE20100601_050047_000000492090_00005_43145_5666.N1	01-JUN-2010 05:00:47	Twilight	49.000	25	35Lam Sco	1.6200	28000.	98	43145	No
70	GOM_TRA_1PNPDE20100601_050233_000000492090_00005_43145_5667.N1	01-JUN-2010 05:02:33	Twilight	48.500	75	26Eps Sco	2.2910	4250.0	97	43145	No
71	GOM_TRA_1PNPDE20100601_050436_000000462090_00005_43145_5668.N1	01-JUN-2010 05:04:36	Bright	46.000	136	23Tau Sco	2.8220	30000.	92	43145	No
72	GOM_TRA_1PNPDE20100601_050641_000000432090_00005_43145_5669.N1	01-JUN-2010 05:06:41	Bright	43.000	80	7Del Sco	2.3160	30000.	86	43145	No
73	GOM_TRA_1PNPDE20100601_050814_000000472090_00005_43145_5670.N1	01-JUN-2010 05:08:14	Bright	46.500	86	35Eta Oph	2.4300	10200.	93	43145	No
74	GOM_TRA_1PNPDE20100601_051006_000000422090_00005_43145_5671.N1	01-JUN-2010 05:10:06	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	43145	No
75	GOM_TRA_1PNPDE20100601_051217_000000402090_00005_43145_5672.N1	01-JUN-2010 05:12:17	Bright	40.000	120	1Del Oph	2.7340	3200.0	80	43145	No
76	GOM_TRA_1PNPDE20100601_051518_000000372090_00005_43145_5673.N1	01-JUN-2010 05:15:18	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	43145	No
77	GOM_TRA_1PNPDE20100601_052112_000000372090_00005_43145_5674.N1	01-JUN-2010 05:21:12	Bright	36.500	67	5Alp CrB	2.2210	11000.	73	43145	No
78	GOM_TRA_1PNPDE20100601_052352_000000442090_00005_43145_5675.N1	01-JUN-2010 05:23:52	Bright	44.000	133	40Zet Her	2.8070	6000.0	88	43145	No
79	GOM_TRA_1PNPDE20100601_053148_000000412090_00005_43145_5676.N1	01-JUN-2010 05:31:48	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	43145	No
80	GOM_TRA_1PNPDE20100601_054212_000000462090_00005_43145_5677.N1	01-JUN-2010 05:42:12	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	43145	No
81	GOM_TRA_1PNPDE20100601_054712_000000452090_00005_43145_5680.N1	01-JUN-2010 05:47:12	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	43145	No
82	GOM_TRA_1PNPDE20100601_055457_000000522090_00005_43145_5681.N1	01-JUN-2010 05:54:57	Bright	51.500	53	43Bet And	2.0480	3300.0	103	43145	No
83	GOM_TRA_1PNPDE20100601_055739_000000522090_00005_43145_5682.N1	01-JUN-2010 05:57:39	Twilight	52.000	58	21Alp And	2.0730	11000.	104	43145	No
84	GOM_TRA_1PNPDE20100601_060236_000000522090_00005_43145_5683.N1	01-JUN-2010 06:02:36	Dark	52.000	140	88Gam Peg	2.8340	26000.	104	43145	No
85	GOM_TRA_1PNPDE20100601_061135_000000502090_00005_43145_5684.N1	01-JUN-2010 06:11:35	Dark	50.000	52	16Bet Cet	2.0370	4500.0	100	43145	No
86	GOM_TRA_1PNPDE20100601_062017_000000672090_00005_43145_5685.N1	01-JUN-2010 06:20:17	Dark	67.000	18	24Alp PsA	1.1660	9700.0	134	43145	No
87	GOM_TRA_1PNPDE20100601_062337_000000572090_00006_43146_5686.N1	01-JUN-2010 06:23:37	Dark	56.500	63	Bet Gru	2.1500	2800.0	113	43146	No
88	GOM_TRA_1PNPDE20100601_062529_000000462090_00006_43146_5687.N1	01-JUN-2010 06:25:29	Dark	45.500	31	Alp Gru	1.7340	15200.	91	43146	No
89	GOM_TRA_1PNPDE20100601_063028_000000432090_00006_43146_5688.N1	01-JUN-2010 06:30:28	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43146	No
90	GOM_TRA_1PNPDE20100601_063754_000000412090_00006_43146_5689.N1	01-JUN-2010 06:37:54	Straylight	41.000	147	Alp Ara	2.8770	26000.	82	43146	No
91	GOM_TRA_1PNPDE20100601_063936_000000462090_00006_43146_5690.N1	01-JUN-2010 06:39:36	Straylight	45.500	40	The Sco	1.8590	7100.0	91	43146	No
92	GOM_TRA_1PNPDE20100601_064124_000000512090_00006_43146_5691.N1	01-JUN-2010 06:41:24	Twilight	51.000	25	35Lam Sco	1.6200	28000.	102	43146	No
93	GOM_TRA_1PNPDE20100601_064310_000000482090_00006_43146_5692.N1	01-JUN-2010 06:43:10	Twilight	47.500	75	26Eps Sco	2.2910	4250.0	95	43146	No
94	GOM_TRA_1PNPDE20100601_064512_000000422090_00006_43146_5693.N1	01-JUN-2010 06:45:12	Bright	42.000	136	23Tau Sco	2.8220	30000.	84	43146	No
95	GOM_TRA_1PNPDE20100601_064717_000000412090_00006_43146_5694.N1	01-JUN-2010 06:47:17	Bright	41.000	80	7Del Sco	2.3160	30000.	82	43146	No
96	GOM_TRA_1PNPDE20100601_064850_000000462090_00006_43146_5695.N1	01-JUN-2010 06:48:50	Bright	45.500	86	35Eta Oph	2.4300	10200.	91	43146	No
97	GOM_TRA_1PNPDE20100601_065042_000000422090_00006_43146_5696.N1	01-JUN-2010 06:50:42	Bright	42.000	98	13Zet Oph	2.5710	30000.	84	43146	No
98	GOM_TRA_1PNPDE20100601_065253_000000412090_00006_43146_5697.N1	01-JUN-2010 06:52:53	Bright	40.500	120	1Del Oph	2.7340	3200.0	81	43146	No
99	GOM_TRA_1PNPDE20100601_065554_000000372090_00006_43146_5698.N1	01-JUN-2010 06:55:54	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	43146	No
100	GOM_TRA_1PNPDE20100601_070148_000000402090_00006_43146_5699.N1	01-JUN-2010 07:01:48	Bright	39.500	67	5Alp CrB	2.2210	11000.	79	43146	No
101	GOM_TRA_1PNPDE20100601_070427_000000612090_00006_43146_5700.N1	01-JUN-2010 07:04:27	Bright	61.000	133	40Zet Her	2.8070	6000.0	122	43146	No
102	GOM_TRA_1PNPDE20100601_071224_000000392090_00006_43146_5701.N1	01-JUN-2010 07:12:24	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	43146	No
103	GOM_TRA_1PNPDE20100601_072247_000000452090_00006_43146_5702.N1	01-JUN-2010 07:22:47	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	43146	No
104	GOM_TRA_1PNPDE20100601_200245_000000402090_00014_43154_5780.N1	01-JUN-2010 20:02:45	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	43154	Yes
105	GOM_TRA_1PNPDE20100601_200426_000000472090_00014_43154_5781.N1	01-JUN-2010 20:04:26	Straylight	46.500	40	The Sco	1.8590	7100.0	93	43154	No
106	GOM_TRA_1PNPDE20100601_200614_000000472090_00014_43154_5782.N1	01-JUN-2010 20:06:14	Twilight	47.000	25	35Lam Sco	1.6200	28000.	94	43154	No
107	GOM_TRA_1PNPDE20100601_200800_000000442090_00014_43154_5783.N1	01-JUN-2010 20:08:00	Twilight	44.000	75	26Eps Sco	2.2910	4250.0	88	43154	No
108	GOM_TRA_1PNPDE20100601_201002_000000452090_00014_43154_5784.N1	01-JUN-2010 20:10:02	Bright	44.500	136	23Tau Sco	2.8220	30000.	89	43154	No
109	GOM_TRA_1PNPDE20100601_201206_000000382090_00014_43154_5785.N1	01-JUN-2010 20:12:06	Bright	38.000	80	7Del Sco	2.3160	30000.	76	43154	No
110	GOM_TRA_1PNPDE20100601_201339_000000472090_00014_43154_5786.N1	01-JUN-2010 20:13:39	Bright	46.500	86	35Eta Oph	2.4300	10200.	93	43154	No
111	GOM_TRA_1PNPDE20100601_201529_000000422090_00014_43154_5787.N1	01-JUN-2010 20:15:29	Bright	42.000	98	13Zet Oph	2.5710	30000.	84	43154	No
112	GOM_TRA_1PNPDE20100601_201740_000000402090_00014_43154_5788.N1	01-JUN-2010 20:17:40	Bright	40.000	120	1Del Oph	2.7340	3200.0	80	43154	No
113	GOM_TRA_1PNPDE20100601_202041_000000372090_00014_43154_5789.N1	01-JUN-2010 20:20:41	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	43154	No
114	GOM_TRA_1PNPDE20100601_202635_000000392090_00014_43154_5790.N1	01-JUN-2010 20:26:35	Bright	38.500	67	5Alp CrB	2.2210	11000.	77	43154	No
115	GOM_TRA_1PNPDE20100601_202911_000000442090_00014_43154_5791.N1	01-JUN-2010 20:29:11	Bright	44.000	133	40Zet Her	2.8070	6000.0	88	43154	No
116	GOM_TRA_1PNPDE20100601_203709_000000402090_00014_43154_5792.N1	01-JUN-2010 20:37:09	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	43154	No
117	GOM_TRA_1PNPDE20100601_204730_000000412090_00014_43154_5793.N1	01-JUN-2010 20:47:30	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	43154	No
118	GOM_TRA_1PNPDE20100601_205235_000000372090_00014_43154_5794.N1	01-JUN-2010 20:52:35	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	43154	No
119	GOM_TRA_1PNPDE20100601_210022_000000462090_00014_43154_5795.N1	01-JUN-2010 21:00:22	Bright	46.000	53	43Bet And	2.0480	3300.0	92	43154	No
120	GOM_TRA_1PNPDE20100601_210304_000000542090_00014_43154_5796.N1	01-JUN-2010 21:03:04	Twilight	54.000	58	21Alp And	2.0730	11000.	108	43154	No
121	GOM_TRA_1PNPDE20100601_210804_000000532090_00014_43154_5797.N1	01-JUN-2010 21:08:04	Dark	52.500	140	88Gam Peg	2.8340	26000.	105	43154	No
122	GOM_TRA_1PNPDE20100601_211705_000000482090_00014_43154_5806.N1	01-JUN-2010 21:17:05	Dark	47.500	52	16Bet Cet	2.0370	4500.0	95	43154	No
123	GOM_TRA_1PNPDE20100601_212346_000000462090_00014_43154_5807.N1	01-JUN-2010 21:23:46	Dark	45.500	84	Alp Phe	2.3970	4500.0	91	43154	No
124	GOM_TRA_1PNPDE20100601_212552_000000532090_00014_43154_5808.N1	01-JUN-2010 21:25:52	Dark	53.000	18	24Alp PsA	1.1660	9700.0	106	43154	No
125	GOM_TRA_1PNPDE20100601_212908_000000472090_00015_43155_5809.N1	01-JUN-2010 21:29:08	Dark	46.500	63	Bet Gru	2.1500	2800.0	93	43155	No
126	GOM_TRA_1PNPDE20100601_213101_000000462090_00015_43155_5810.N1	01-JUN-2010 21:31:01	Dark	46.000	31	Alp Gru	1.7340	15200.	92	43155	No
127	GOM_TRA_1PNPDE20100601_213557_000000432090_00015_43155_5811.N1	01-JUN-2010 21:35:57	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43155	No

128	GOM_TRA_1PNPDE20100601_214321_000000392090_00015_43155_5812.N1	01-JUN-2010 21:43:21	Straylight	39.000	147	Alp Ara	2.8770	26000.	78	43155	No
129	GOM_TRA_1PNPDE20100601_214503_000000462090_00015_43155_5813.N1	01-JUN-2010 21:45:03	Straylight	46.000	40	The Sco	1.8590	7100.0	92	43155	No
130	GOM_TRA_1PNPDE20100601_214651_000000472090_00015_43155_5814.N1	01-JUN-2010 21:46:51	Twilight_and_stray	46.500	25	35Lam Sco	1.6200	28000.	93	43155	No
131	GOM_TRA_1PNPDE20100601_214836_000000472090_00015_43155_5815.N1	01-JUN-2010 21:48:36	Twilight_and_stray	46.500	75	26Eps Sco	2.2910	4250.0	93	43155	No
132	GOM_TRA_1PNPDE20100601_215038_000000482090_00015_43155_5816.N1	01-JUN-2010 21:50:38	Bright	47.500	136	23Tau Sco	2.8220	30000.	95	43155	No
133	GOM_TRA_1PNPDE20100601_215242_000000412090_00015_43155_5817.N1	01-JUN-2010 21:52:42	Bright	41.000	80	7Del Sco	2.3160	30000.	82	43155	No
134	GOM_TRA_1PNPDE20100601_215414_000000462090_00015_43155_5818.N1	01-JUN-2010 21:54:14	Bright	46.000	86	35Eta Oph	2.4300	10200.	92	43155	No
135	GOM_TRA_1PNPDE20100601_215606_000000432090_00015_43155_5819.N1	01-JUN-2010 21:56:06	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	43155	No
136	GOM_TRA_1PNPDE20100601_215817_000000392090_00015_43155_5820.N1	01-JUN-2010 21:58:17	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	43155	No
137	GOM_TRA_1PNPDE20100601_220117_000000372090_00015_43155_5821.N1	01-JUN-2010 22:01:17	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	43155	No
138	GOM_TRA_1PNPDE20100601_220710_000000382090_00015_43155_5822.N1	01-JUN-2010 22:07:10	Bright	38.000	67	5Alp CrB	2.2210	11000.	76	43155	No
139	GOM_TRA_1PNPDE20100601_220946_000000432090_00015_43155_5823.N1	01-JUN-2010 22:09:46	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	43155	No
140	GOM_TRA_1PNPDE20100601_221744_000000412090_00015_43155_5824.N1	01-JUN-2010 22:17:44	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	43155	No
141	GOM_TRA_1PNPDE20100601_222806_000000412090_00015_43155_5825.N1	01-JUN-2010 22:28:06	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	43155	No
142	GOM_TRA_1PNPDE20100601_223310_000000562090_00015_43155_5826.N1	01-JUN-2010 22:33:10	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	43155	No
143	GOM_TRA_1PNPDE20100601_224057_000000472090_00015_43155_5827.N1	01-JUN-2010 22:40:57	Bright	47.000	53	43Bet And	2.0480	3300.0	94	43155	No
144	GOM_TRA_1PNPDE20100601_224340_000000532090_00015_43155_5828.N1	01-JUN-2010 22:43:40	Twilight_and_stray	52.500	58	21Alp And	2.0730	11000.	105	43155	No
145	GOM_TRA_1PNPDE20100601_224840_000000532090_00015_43155_5829.N1	01-JUN-2010 22:48:40	Dark	52.500	140	88Gam Peg	2.8340	26000.	105	43155	No
146	GOM_TRA_1PNPDE20100601_225740_000000482090_00015_43155_5823.N1	01-JUN-2010 22:57:40	Dark	48.000	52	16Bet Cet	2.0370	4500.0	96	43155	No
147	GOM_TRA_1PNPDE20100601_230422_000000462090_00015_43155_5824.N1	01-JUN-2010 23:04:22	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	43155	No
148	GOM_TRA_1PNPDE20100601_230630_000000582090_00015_43155_5825.N1	01-JUN-2010 23:06:30	Dark	57.500	18	24Alp PsA	1.1660	9700.0	115	43155	No
149	GOM_TRA_1PNPDE20100601_230945_000000492090_00016_43156_5826.N1	01-JUN-2010 23:09:45	Dark	48.500	63	Bet Gru	2.1500	2800.0	97	43156	No
150	GOM_TRA_1PNPDE20100601_231137_000000482090_00016_43156_5827.N1	01-JUN-2010 23:11:37	Dark	47.500	31	Alp Gru	1.7340	15200.	95	43156	No
151	GOM_TRA_1PNPDE20100601_231633_000000432090_00016_43156_5828.N1	01-JUN-2010 23:16:33	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	43156	No
152	GOM_TRA_1PNPDE20100601_232358_000000402090_00016_43156_5829.N1	01-JUN-2010 23:23:58	Straylight	40.000	147	Alp Ara	2.8770	26000.	80	43156	No
153	GOM_TRA_1PNPDE20100601_232539_000000502090_00016_43156_5830.N1	01-JUN-2010 23:25:39	Straylight	50.000	40	The Sco	1.8590	7100.0	100	43156	No
154	GOM_TRA_1PNPDE20100601_232727_000000472090_00016_43156_5831.N1	01-JUN-2010 23:27:27	Twilight_and_stray	47.000	25	35Lam Sco	1.6200	28000.	94	43156	No
155	GOM_TRA_1PNPDE20100601_232912_000000492090_00016_43156_5832.N1	01-JUN-2010 23:29:12	Twilight_and_stray	49.000	75	26Eps Sco	2.2910	4250.0	98	43156	No
156	GOM_TRA_1PNPDE20100601_233113_000000512090_00016_43156_5833.N1	01-JUN-2010 23:31:13	Bright	50.500	136	23Tau Sco	2.8220	30000.	101	43156	No
157	GOM_TRA_1PNPDE20100601_233318_000000412090_00016_43156_5834.N1	01-JUN-2010 23:33:18	Bright	40.500	80	7Del Sco	2.3160	30000.	81	43156	No
158	GOM_TRA_1PNPDE20100601_233450_000000472090_00016_43156_5835.N1	01-JUN-2010 23:34:50	Bright	46.500	86	35Eta Oph	2.4300	10200.	93	43156	No
159	GOM_TRA_1PNPDE20100601_233641_000000432090_00016_43156_5836.N1	01-JUN-2010 23:36:41	Bright	42.500	98	13Zet Oph	2.5710	30000.	85	43156	No
160	GOM_TRA_1PNPDE20100601_233852_000000392090_00016_43156_5837.N1	01-JUN-2010 23:38:52	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	43156	No
161	GOM_TRA_1PNPDE20100601_234153_000000362090_00016_43156_5838.N1	01-JUN-2010 23:41:53	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	43156	No
162	GOM_TRA_1PNPDE20100601_234657_000000432090_00016_43156_5839.N1	01-JUN-2010 23:46:57	Bright	42.500	127	27Bet Her	2.7810	4700.0	85	43156	No
163	GOM_TRA_1PNPDE20100601_235022_000000432090_00016_43156_5840.N1	01-JUN-2010 23:50:22	Bright	43.000	133	40Zet Her	2.8070	6000.0	86	43156	No
164	GOM_TRA_1PNPDE20100601_235820_000000372090_00016_43156_5841.N1	01-JUN-2010 23:58:20	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	43156	No

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



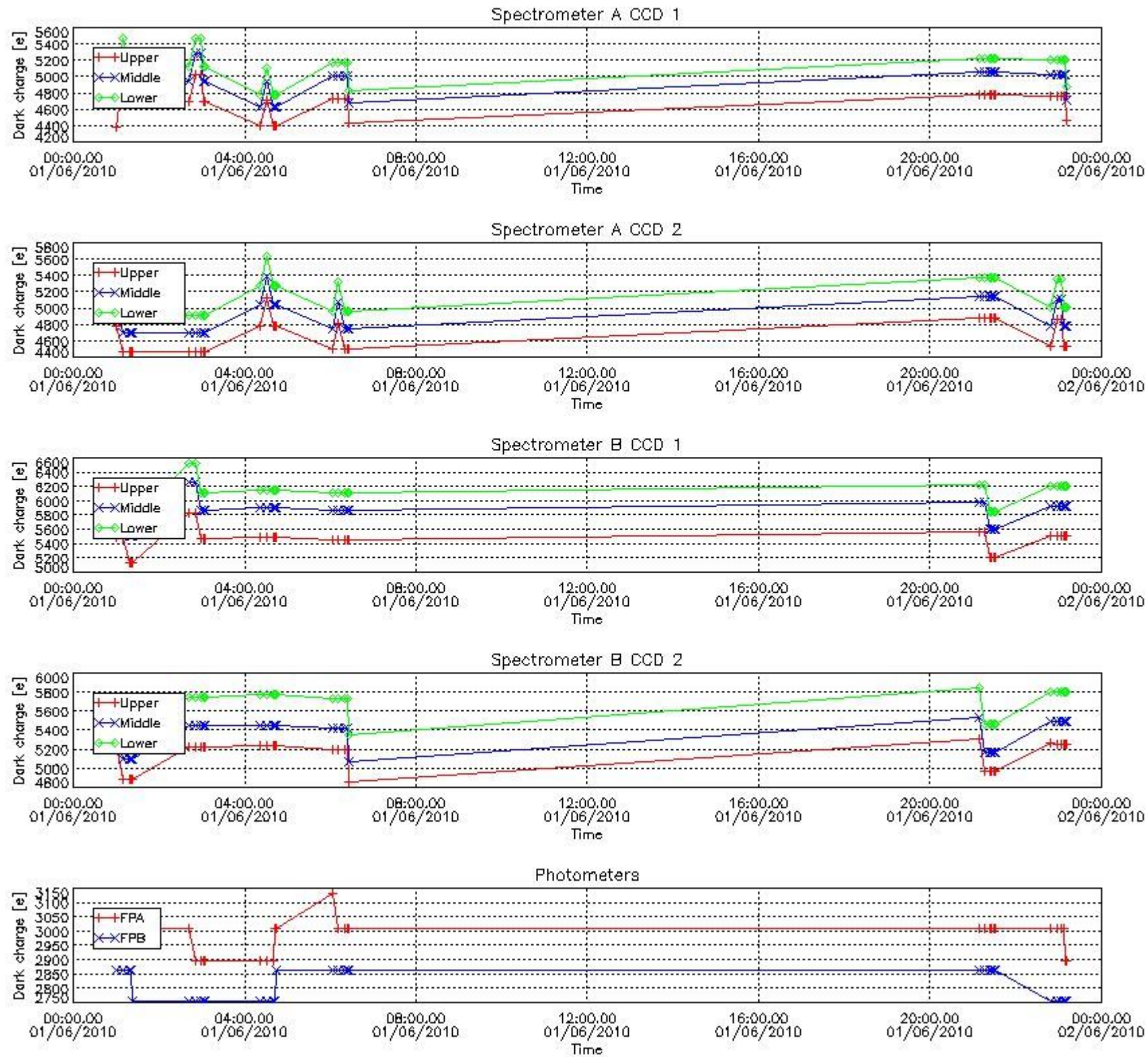
4. Overview of dark signal processing per product

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



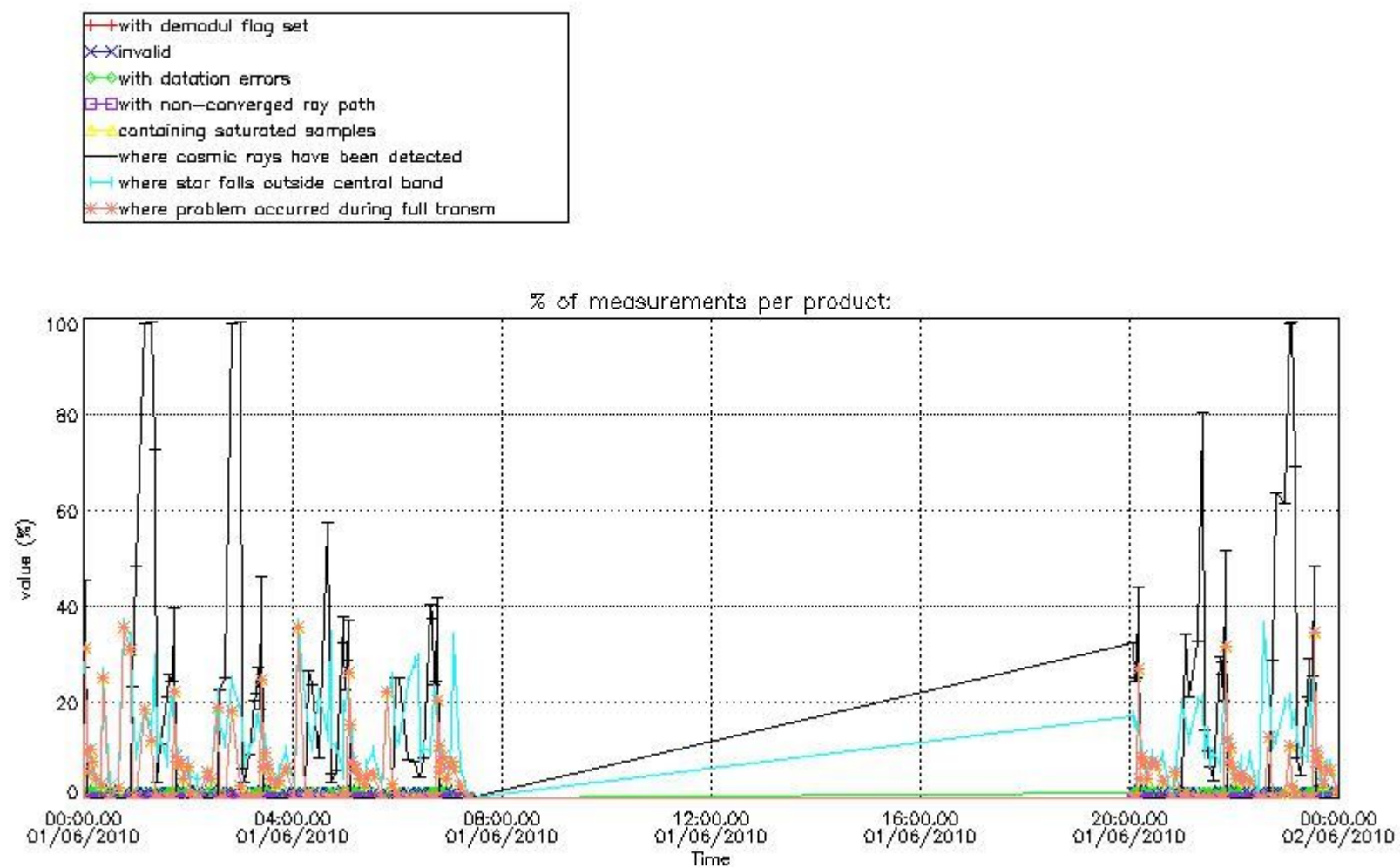
5. Demodulation flag and quality information monitoring

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.

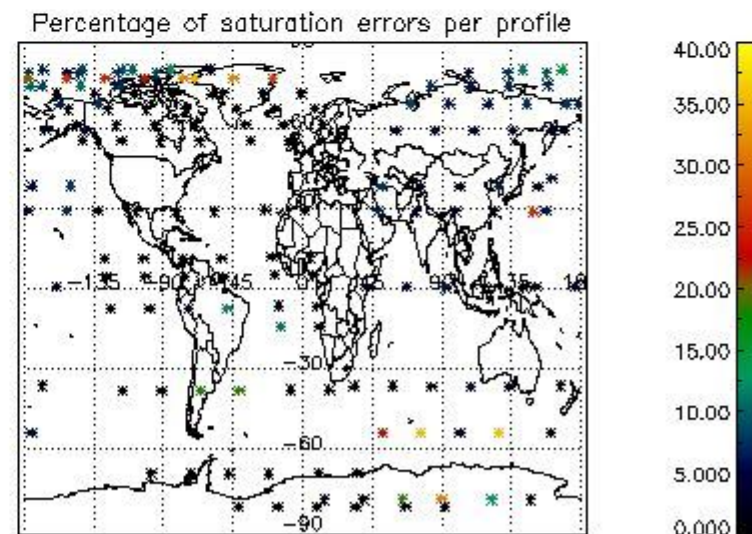
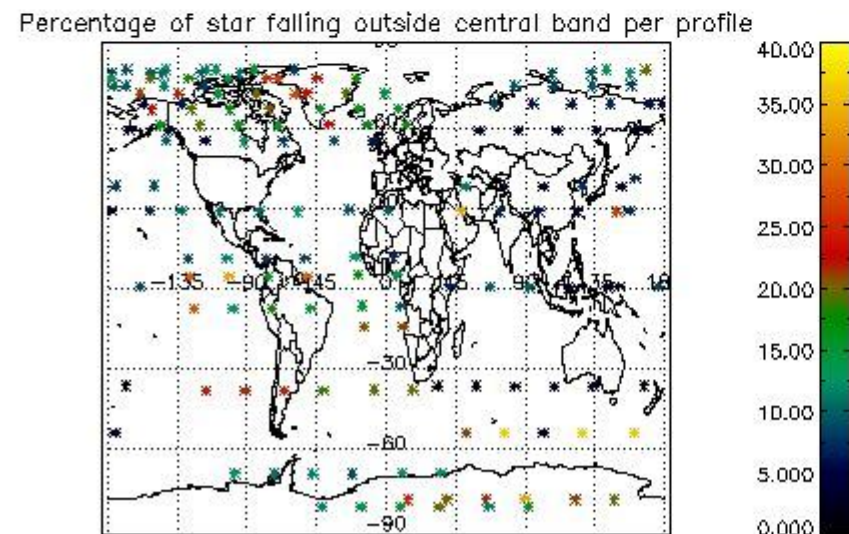
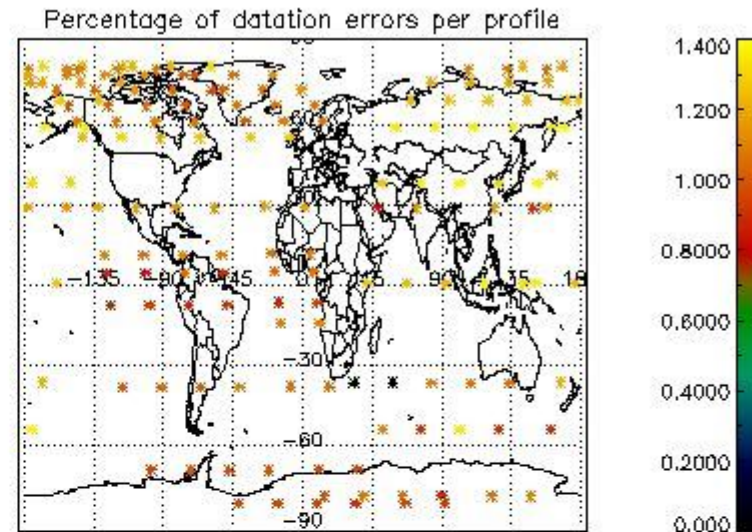
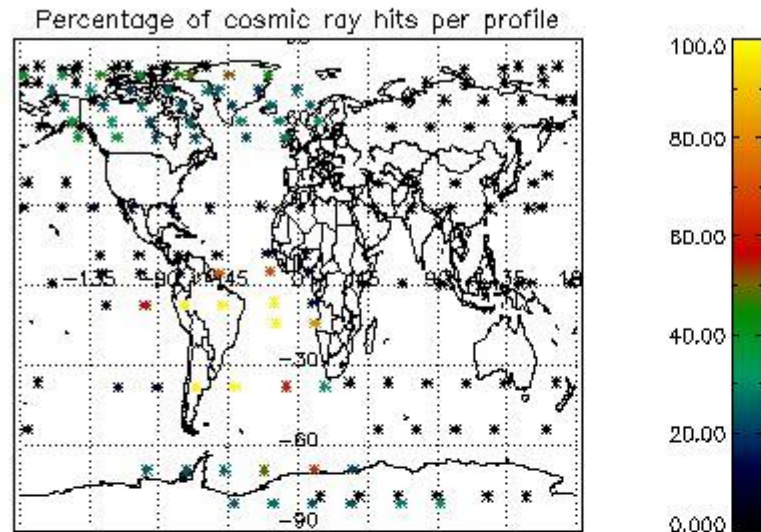
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	38.0368 %
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)



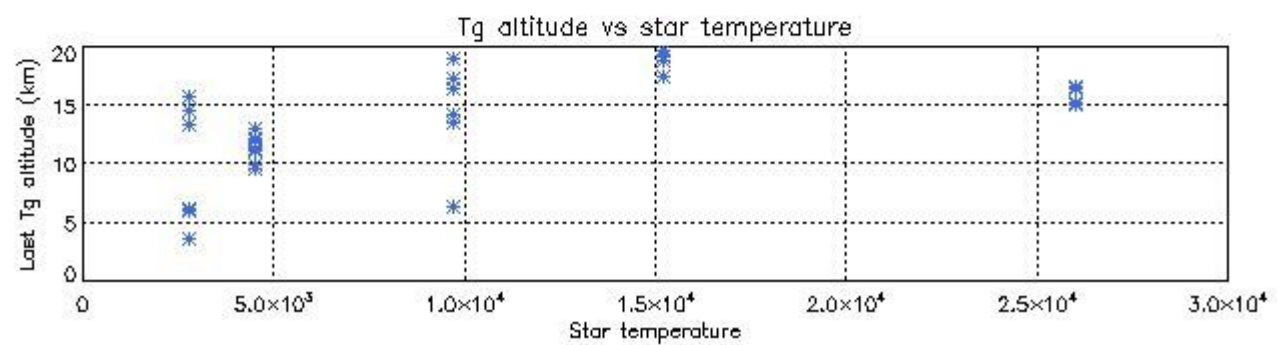
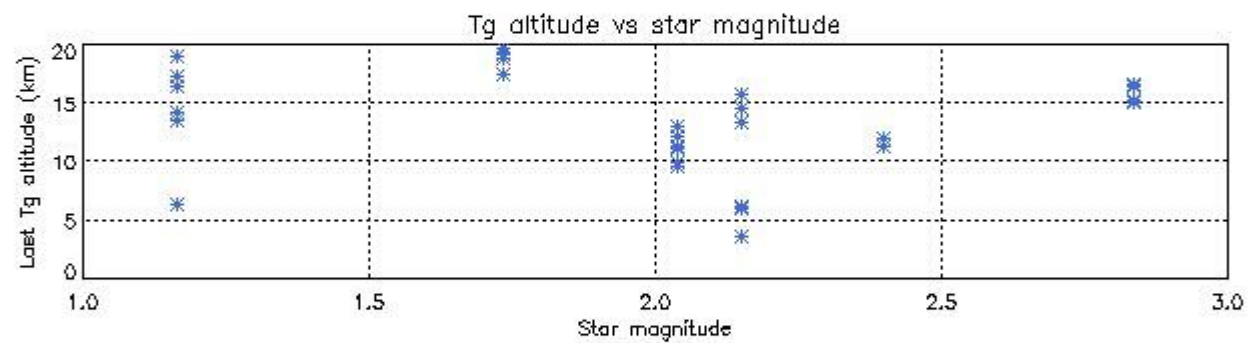
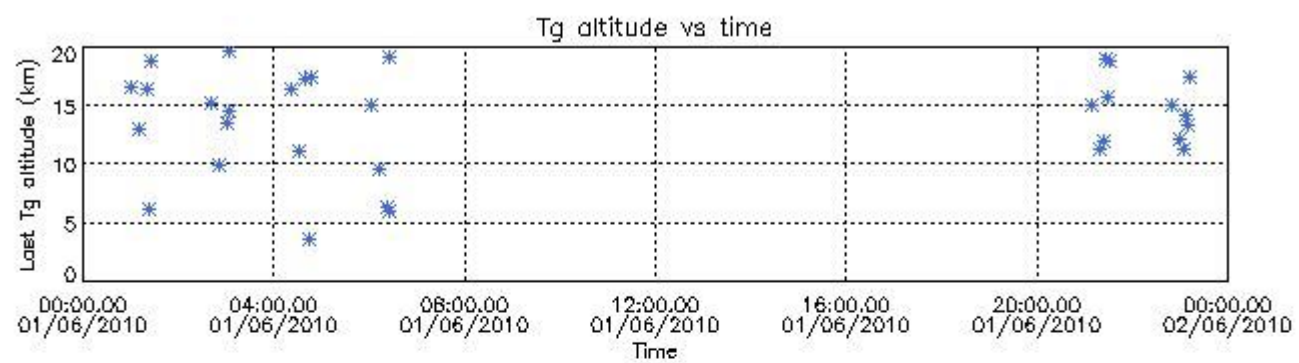
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.787	18.163	NaN
St. deviation:	4.2166	5.6680	NaN
Maximum:	19.611	33.190	NaN
Minimum:	3.5456	3.9392	NaN
Number of data:	32.000	91.000	NaN

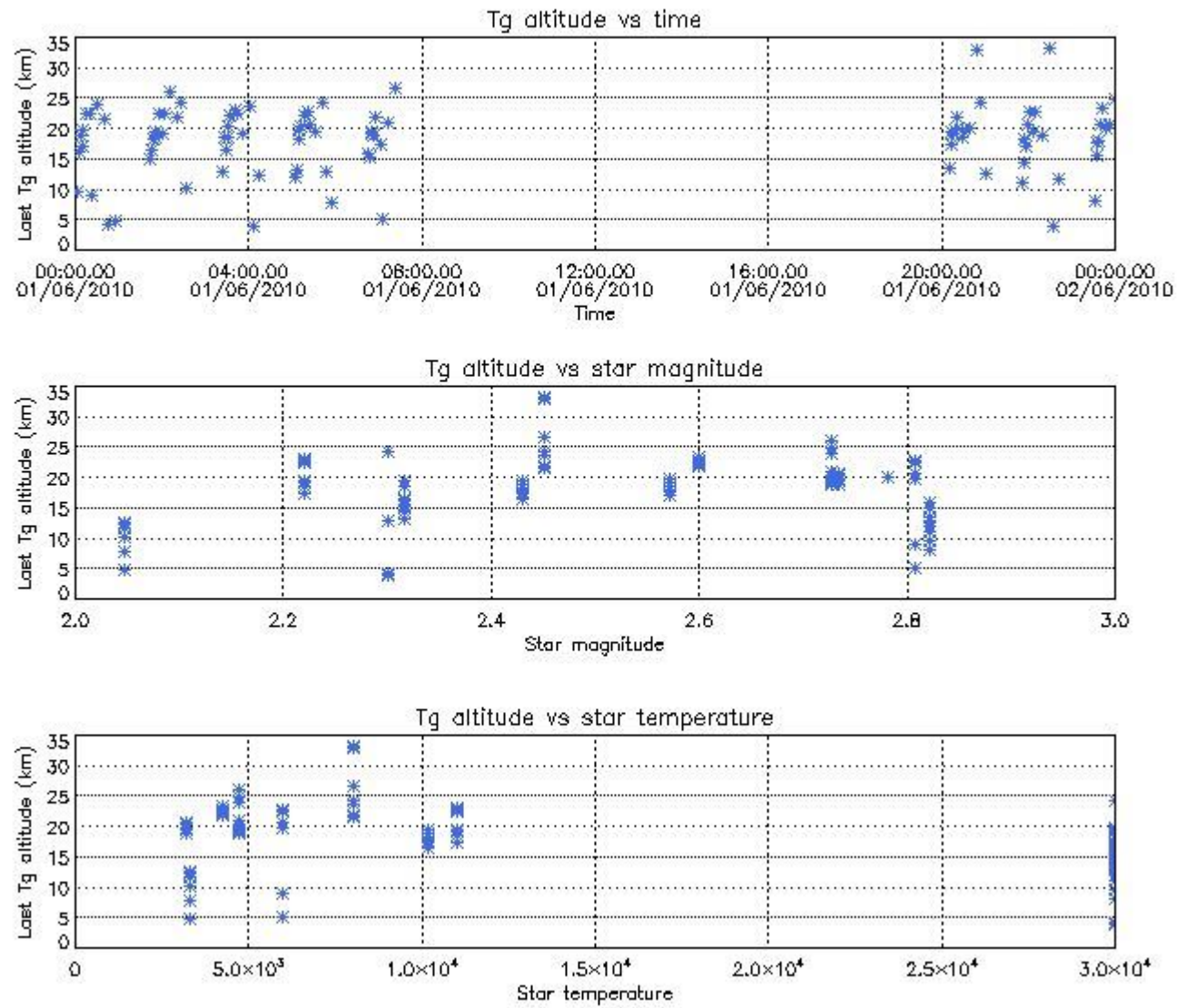
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

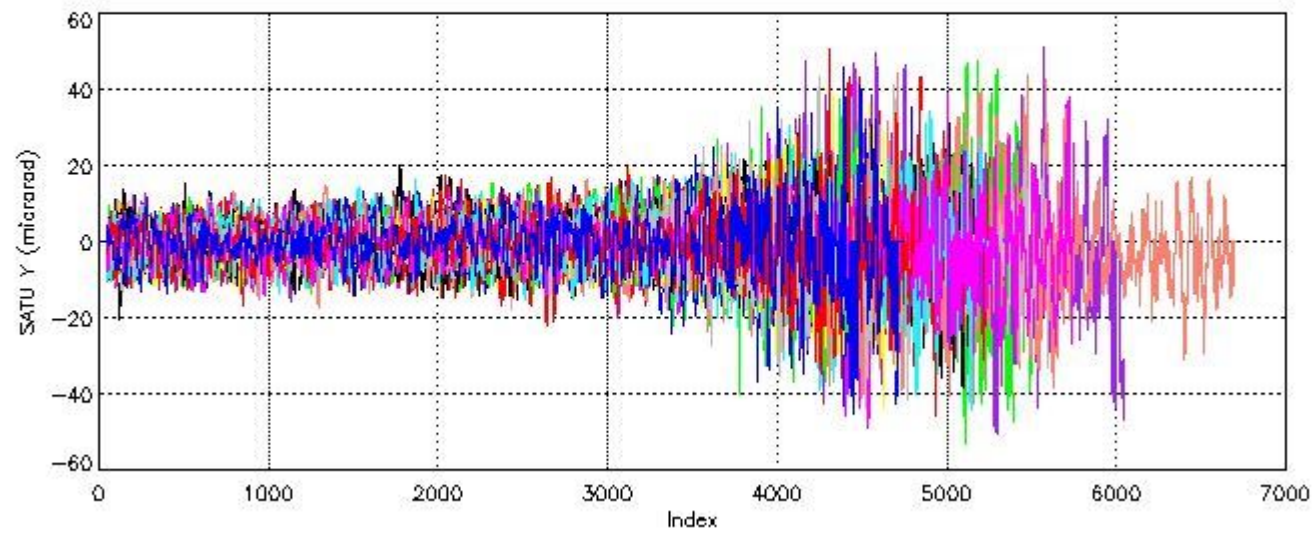
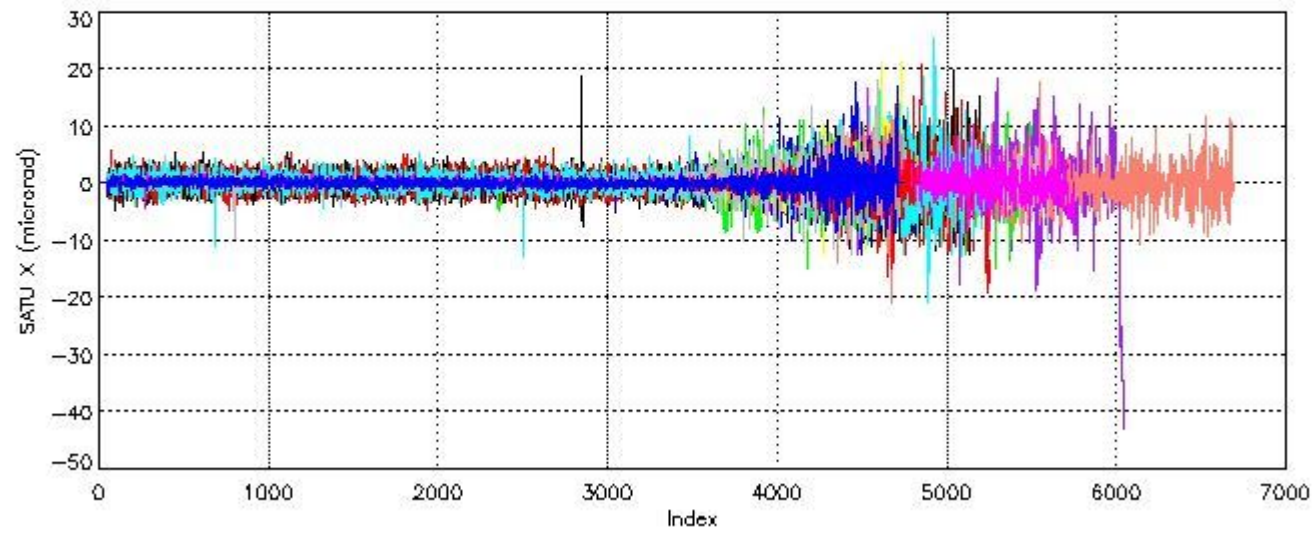


7. Star Acquisition and Tracking Unit (SATU)

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:	0.17565	-0.71007	0.22817	-0.81293
St. deviation:	0.57167	4.0483	0.81227	3.9467
Maximum:	5.7000	15.500	5.0000	16.100
Minimum:	-11.100	-20.300	-4.6000	-21.900

Number of data:	34400.	34400.	87600.	87600.
-----------------	--------	--------	--------	--------

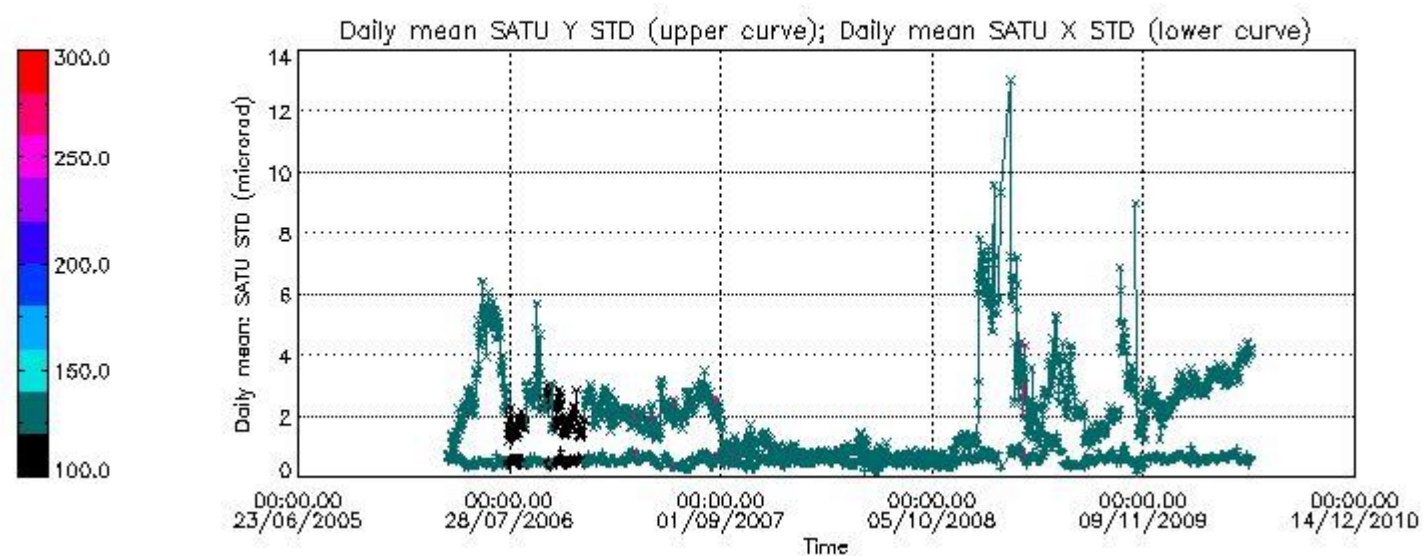
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

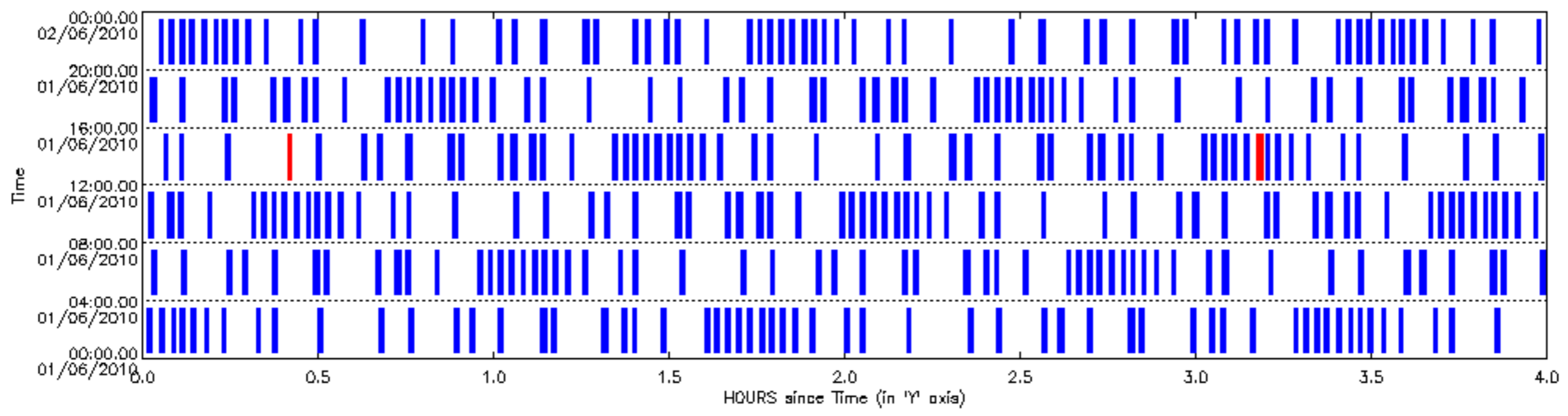
Lower curve: STD of SATU X axis

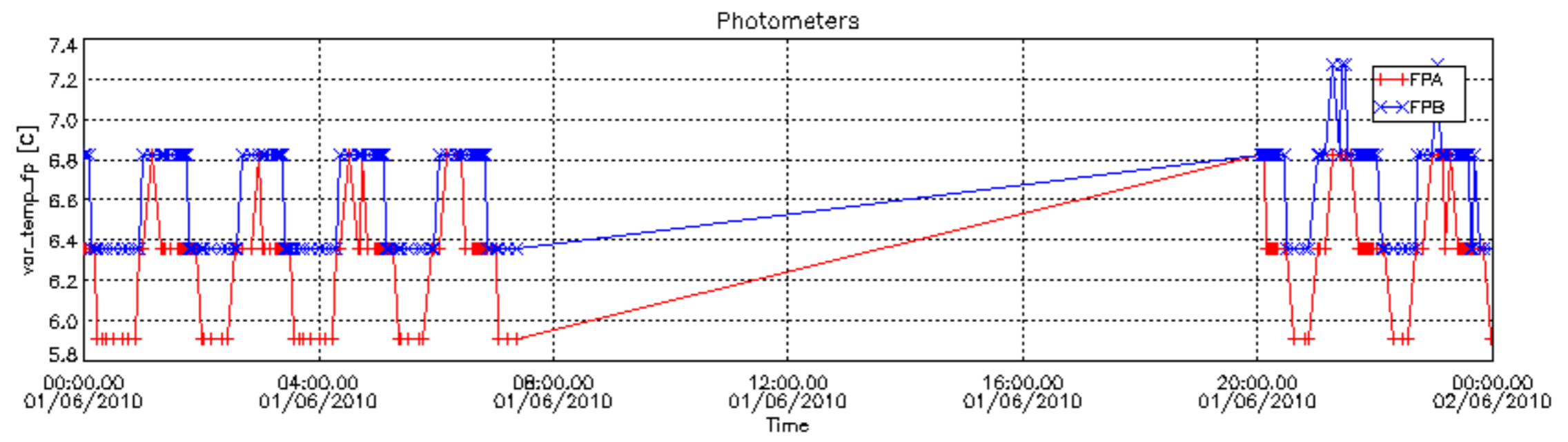
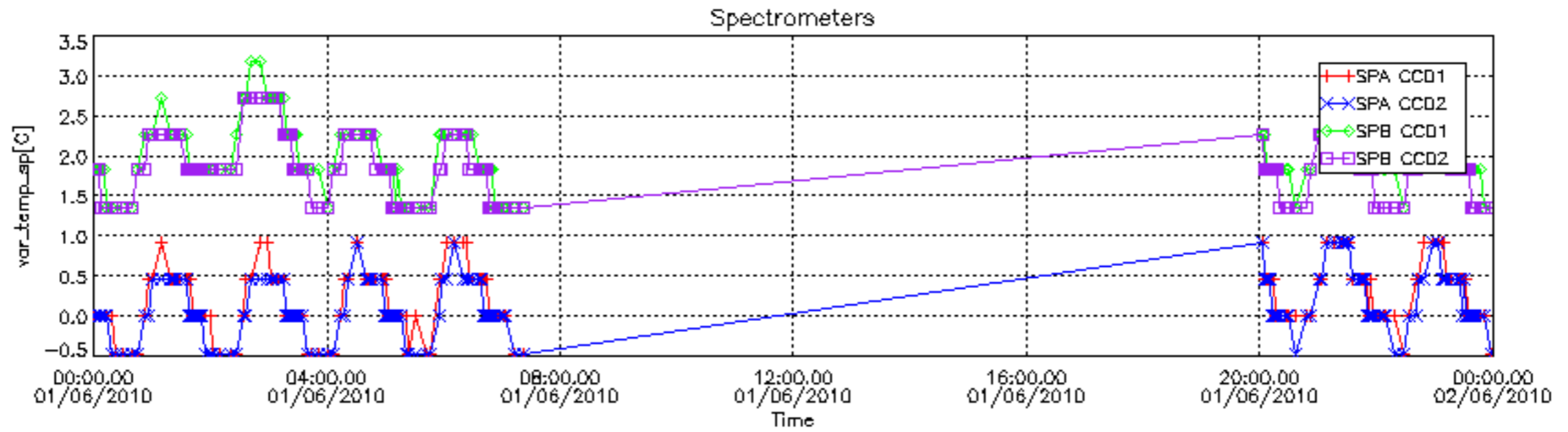


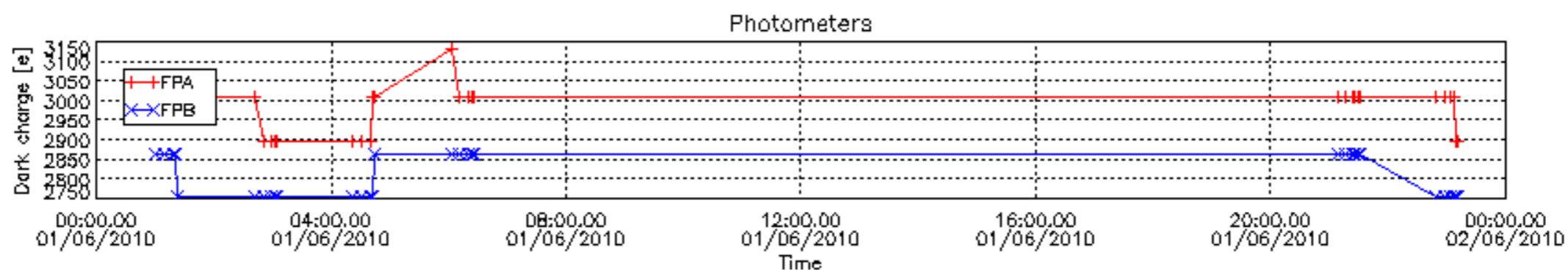
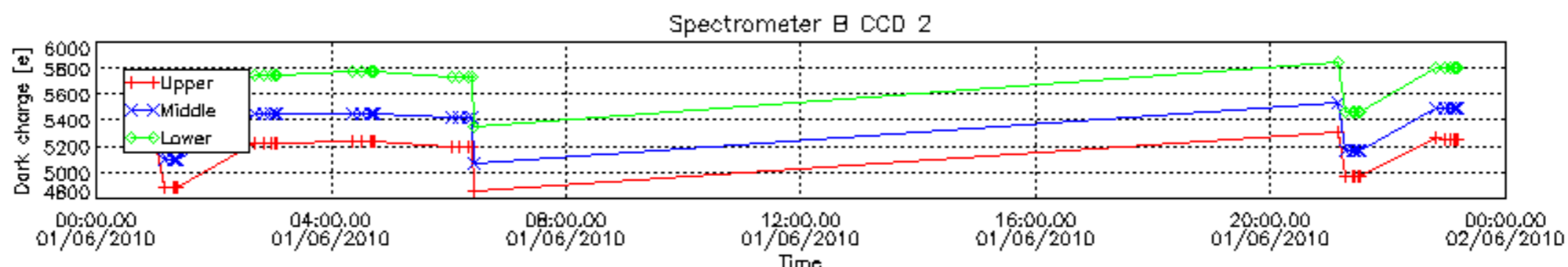
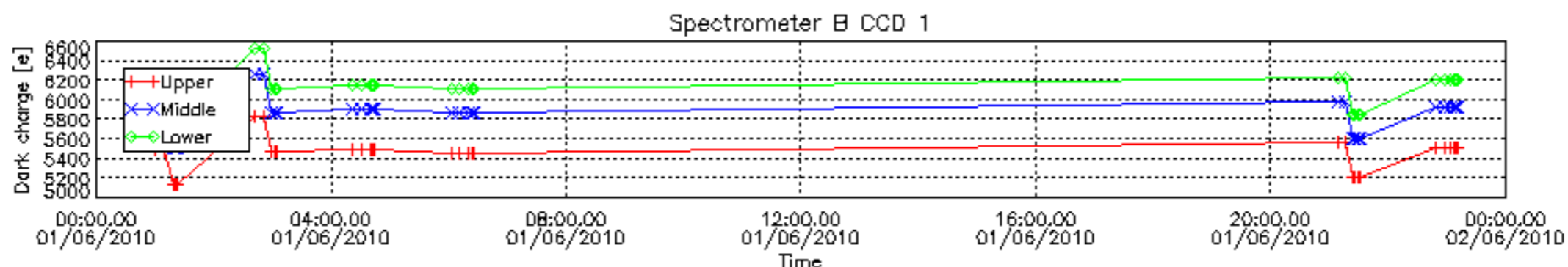
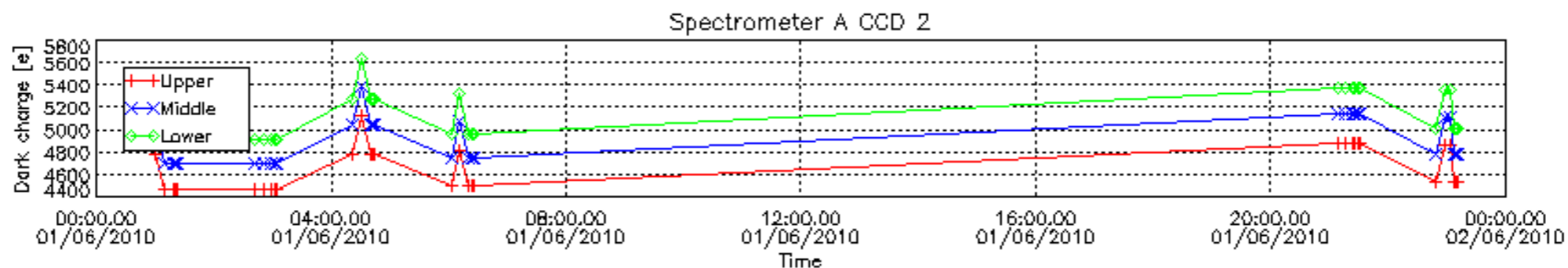
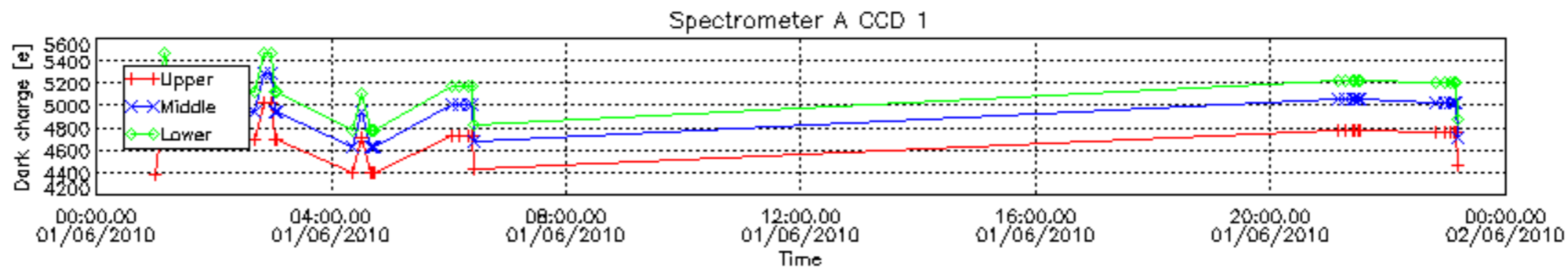
8. Auxiliary Data Files used for the production reported in section 2.4

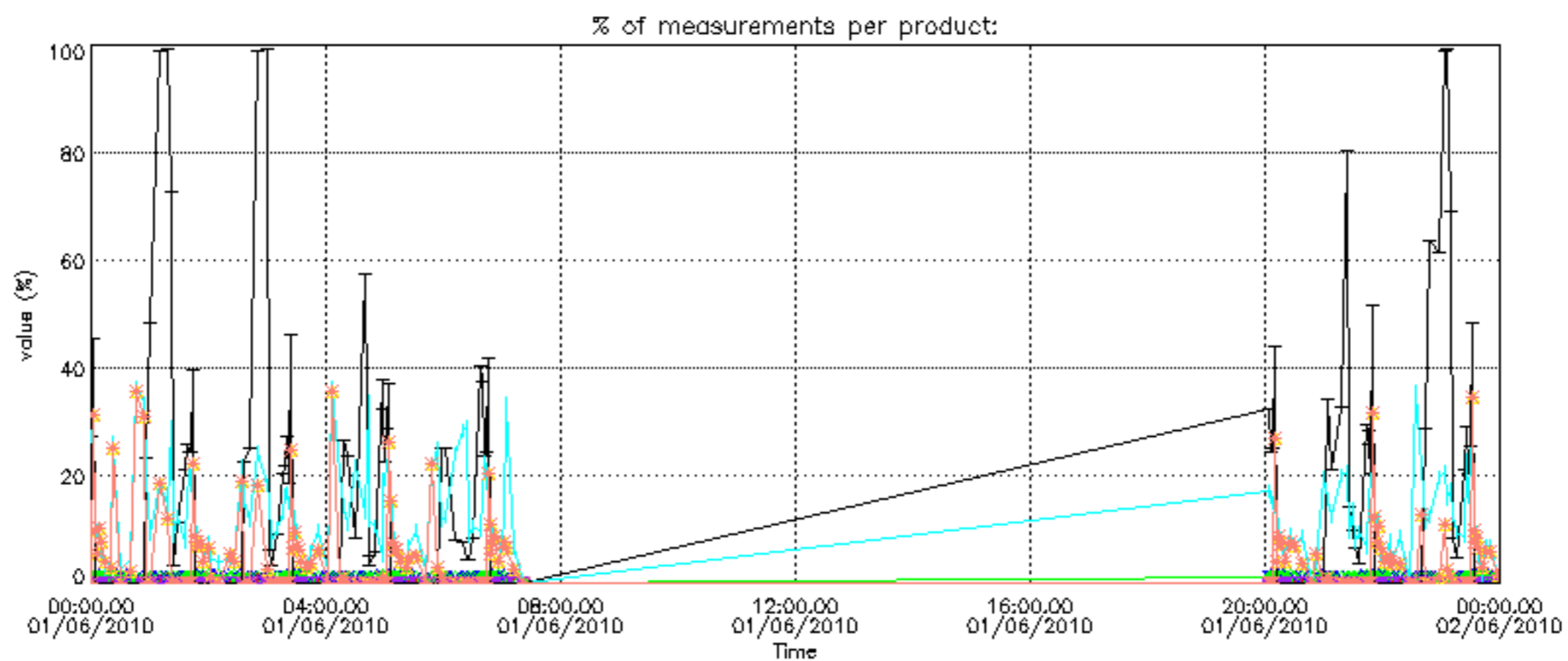
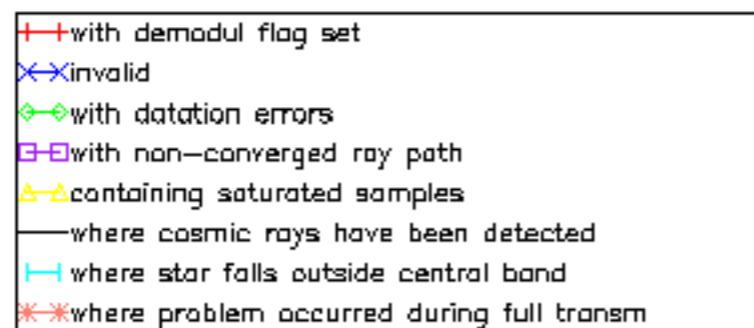
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	01-JUN-2010 00:00:45
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100526_084407_20100525_000000_20500101_000000	1	01-JUN-2010 00:00:45
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	01-JUN-2010 00:00:45
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	01-JUN-2010 00:00:45
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	01-JUN-2010 00:00:45
ECMWF_FILE	AUX_ECF_AXNECM20100531_054113_20100531_210000_20100601_090000	1	01-JUN-2010 00:00:45
ECMWF_FILE	AUX_ECF_AXNECM20100531_174003_20100601_030000_20100601_150000	56	01-JUN-2010 03:51:12
ECMWF_FILE	AUX_ECA_AXNECM20100601_052112_20100531_210000_20100601_090000	81	01-JUN-2010 05:47:12
ECMWF_FILE	AUX_ECF_AXNECM20100601_052113_20100601_150000_20100602_030000	104	01-JUN-2010 20:02:45
ECMWF_FILE	AUX_ECF_AXNECM20100601_054113_20100601_210000_20100602_090000	122	01-JUN-2010 21:17:05
OPTIONAL_ECMWF_FILE	MISSING	1	01-JUN-2010 00:00:45
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100531_092113_20100530_190945_20100609_203559	1	01-JUN-2010 00:00:45
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100601_010627_000092452090_00002_43142_0463.N1	16	01-JUN-2010 01:09:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100601_034551_000066952090_00004_43144_0464.N1	56	01-JUN-2010 03:51:12
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100601_054244_000057382090_00005_43145_0465.N1	81	01-JUN-2010 05:47:12
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100601_195809_000041442090_00014_43154_0466.N1	104	01-JUN-2010 20:02:45
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100601_211232_000057382090_00014_43154_0467.N1	122	01-JUN-2010 21:17:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100601_225329_000057382090_00015_43155_0468.N1	146	01-JUN-2010 22:57:40

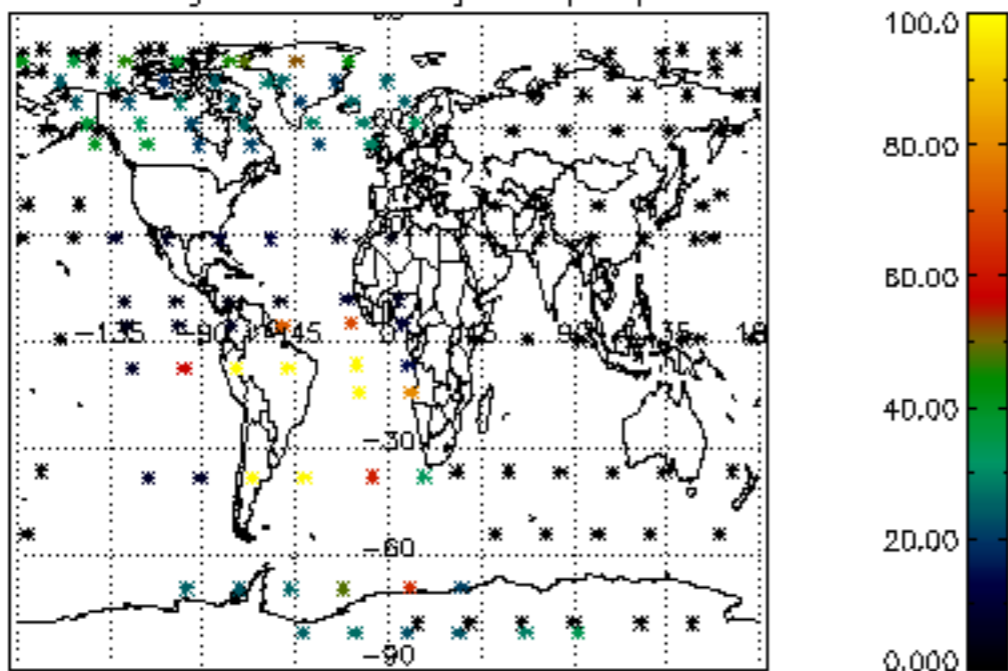




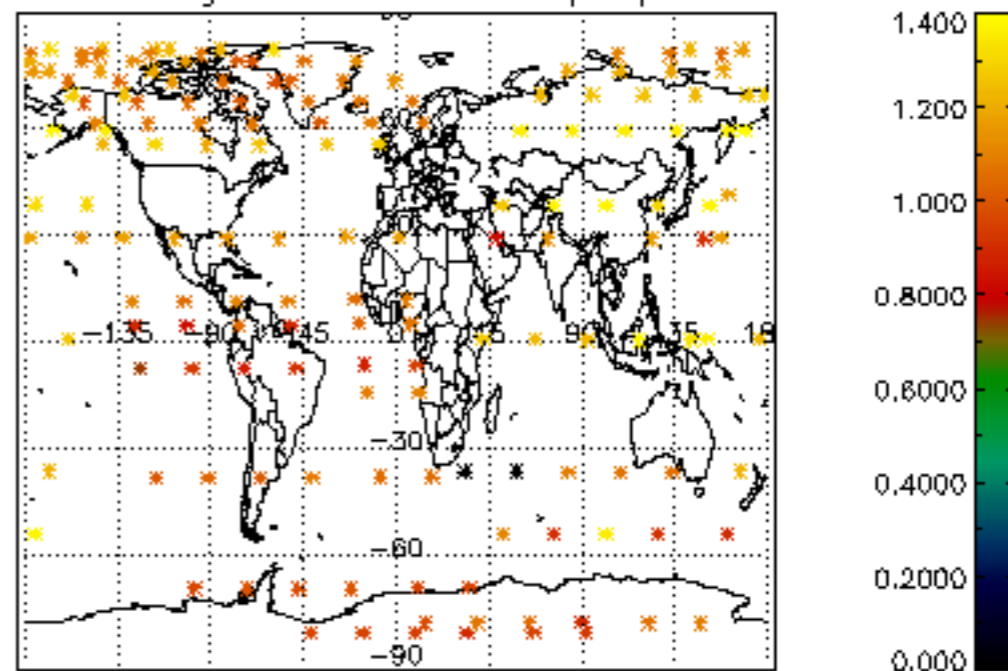




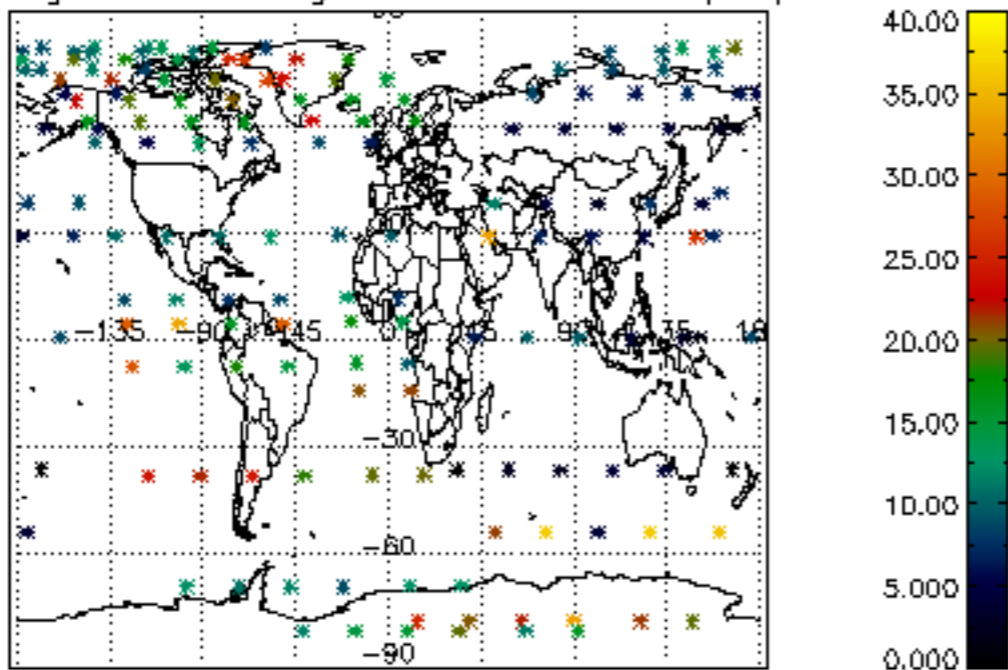
Percentage of cosmic ray hits per profile



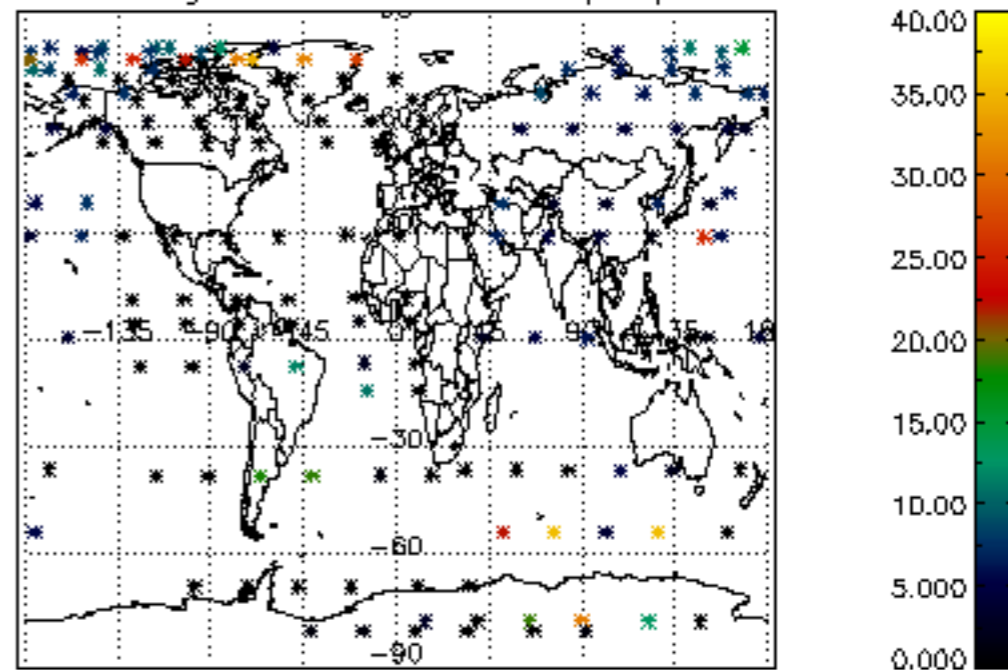
Percentage of datation errors per profile



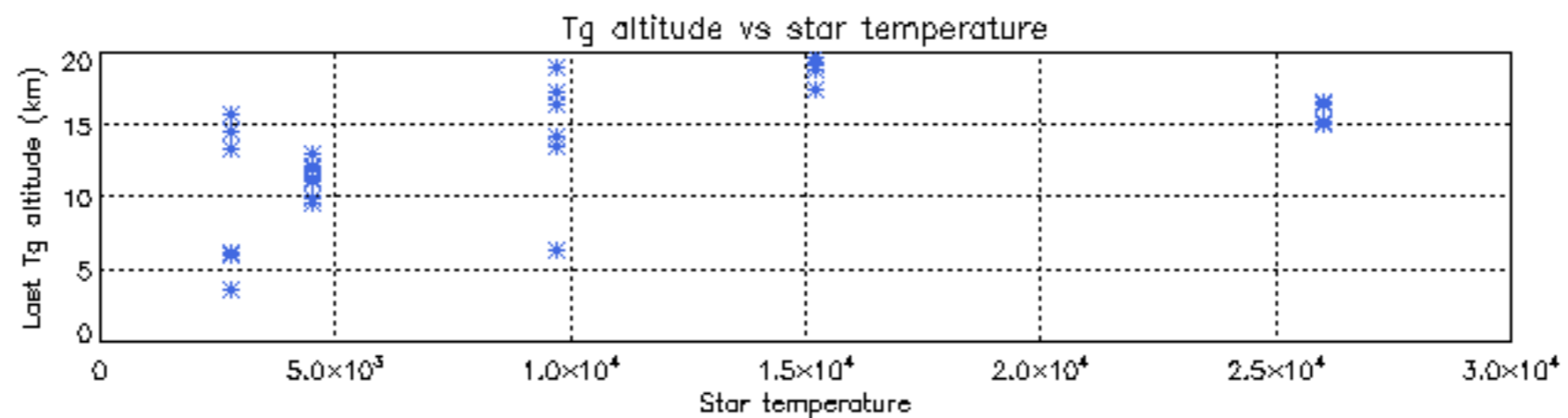
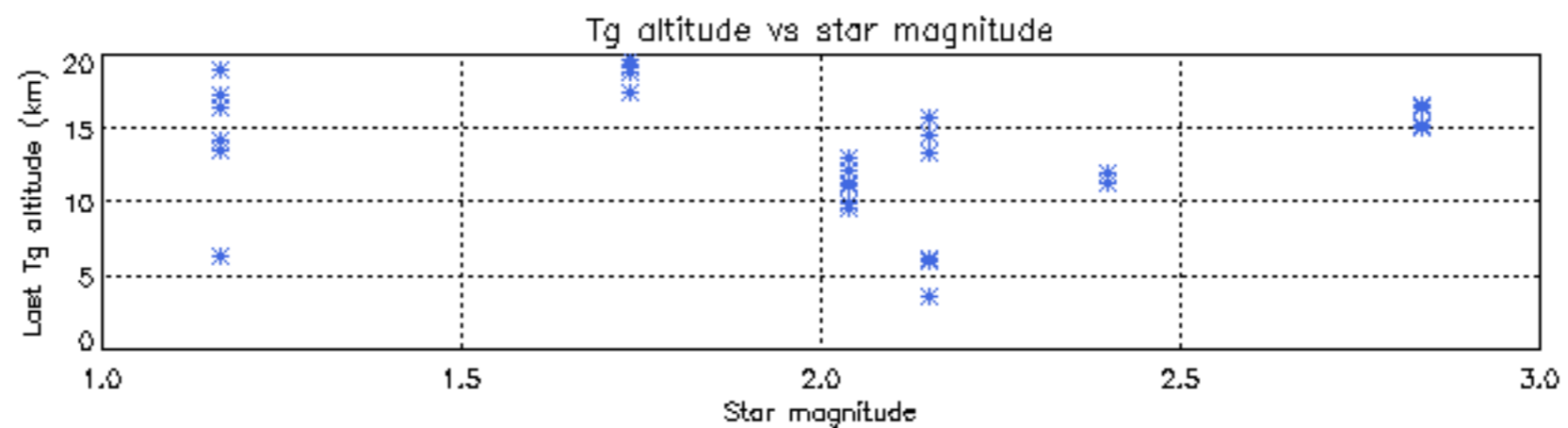
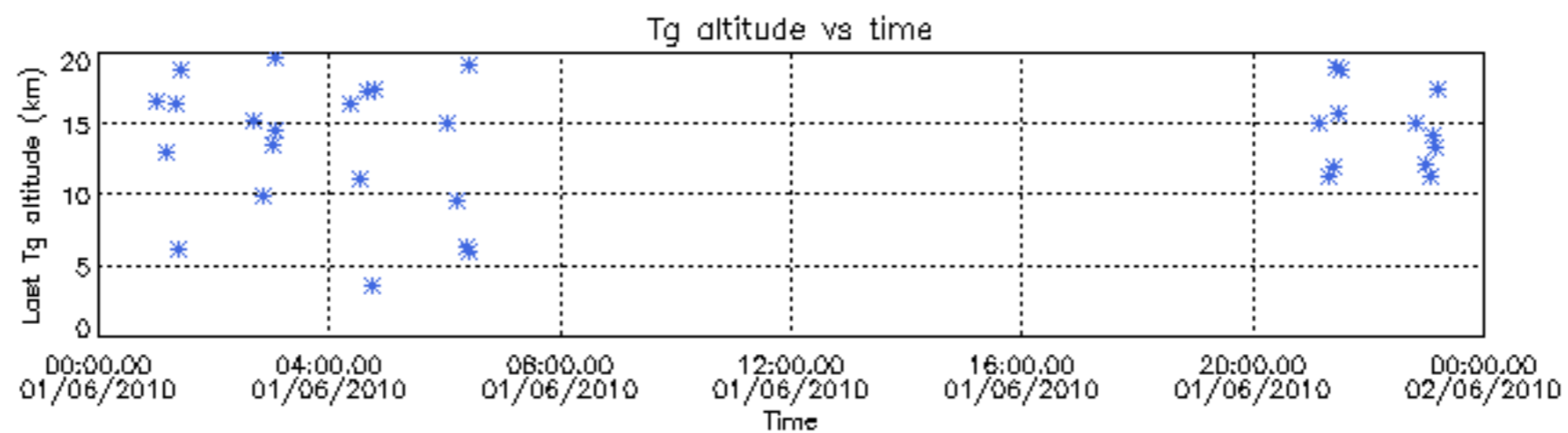
Percentage of star falling outside central band per profile



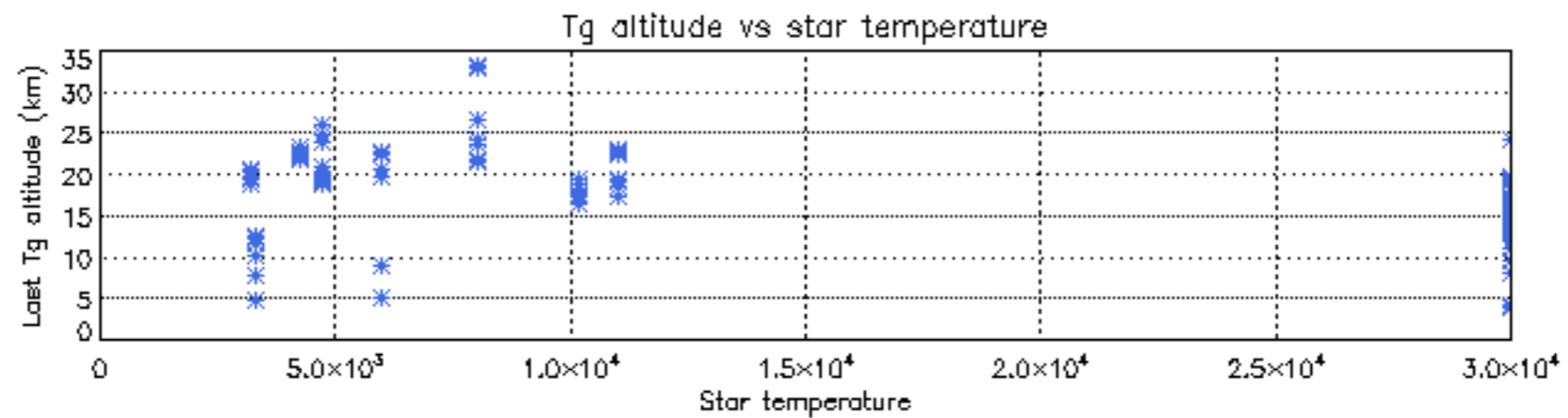
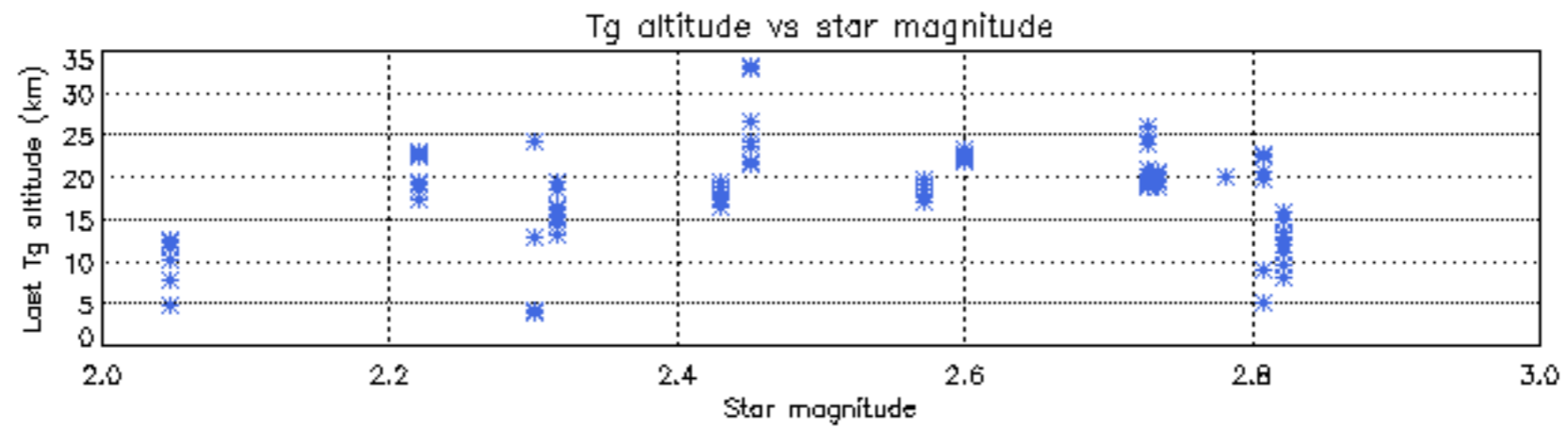
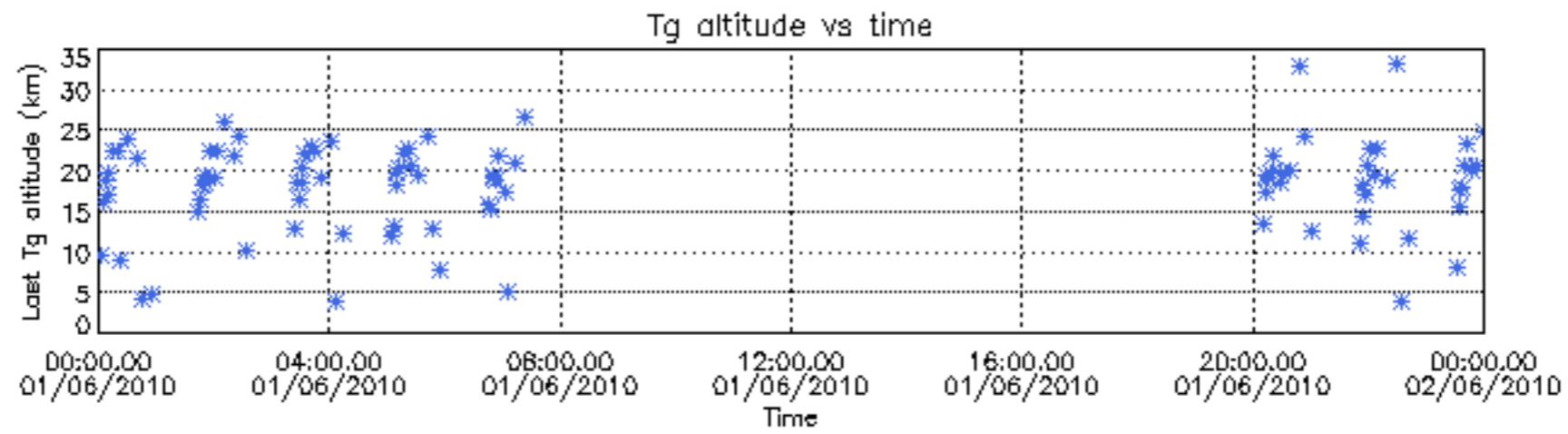
Percentage of saturation errors per profile

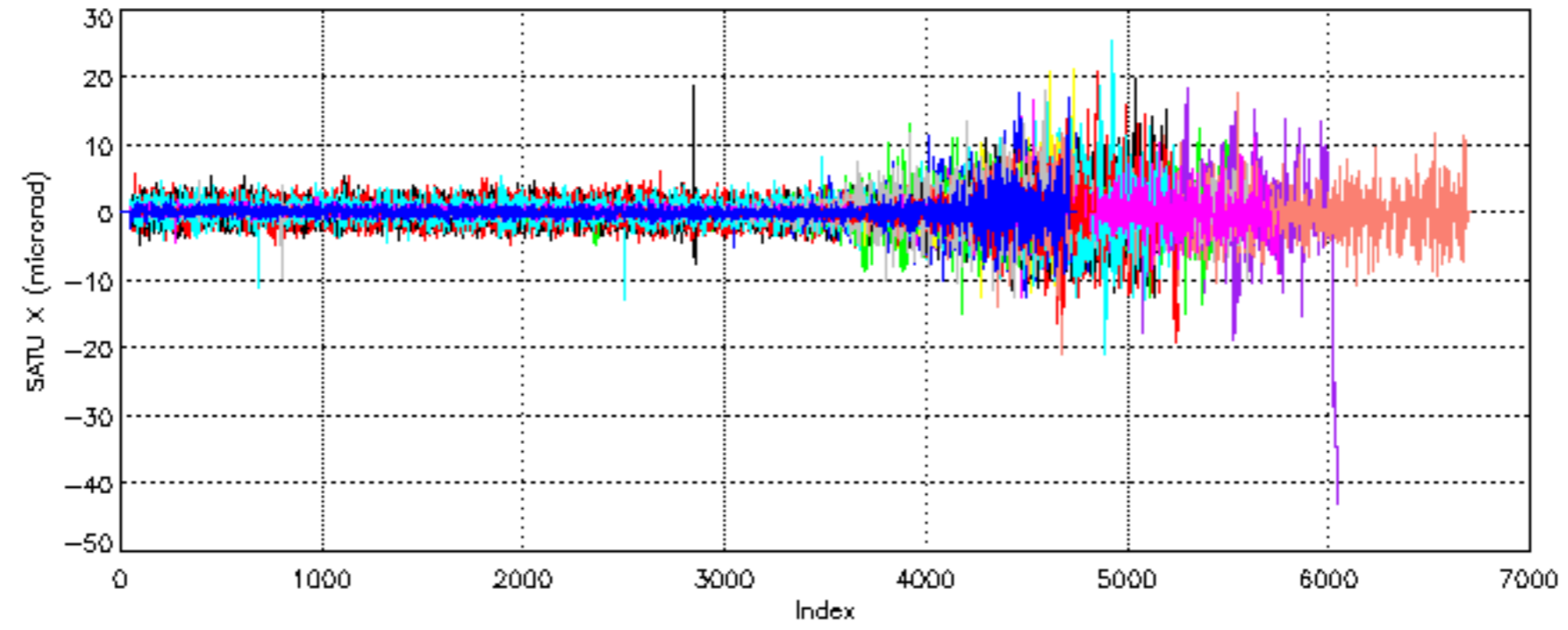


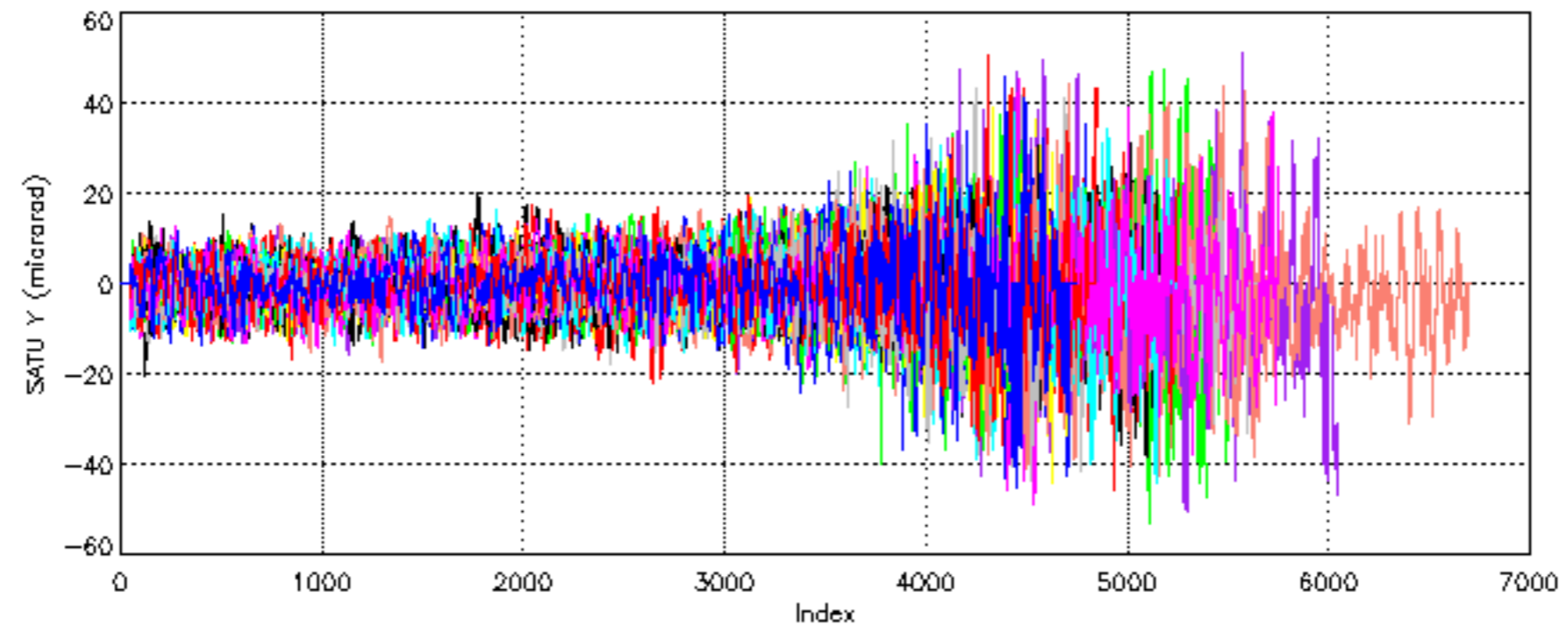
Tangent altitude at which the star is lost

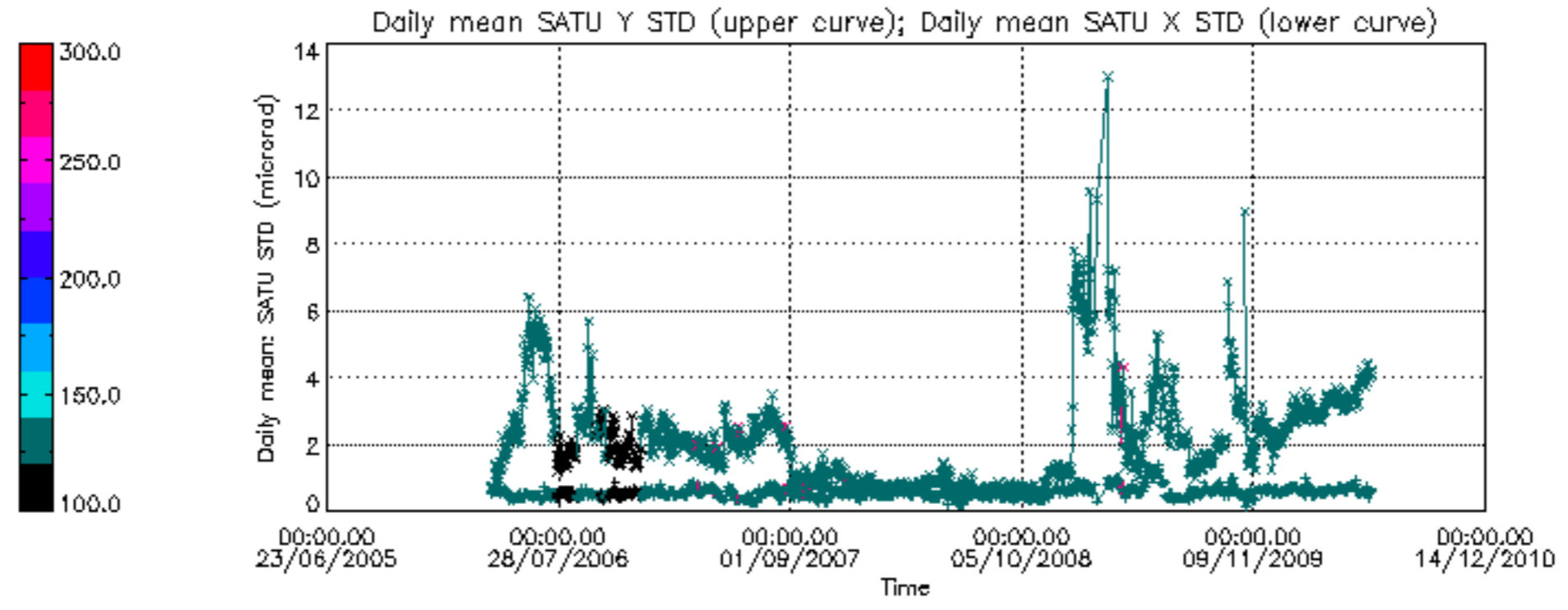


Tangent altitude at which the star is lost









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 6; 933.8; 01-JUN-2010 01:36:05; Dark ; 40.0; 147; Alp Ara ; 2.88; 26000;occ; 80; 0;43143
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 22; 4555.3; 01-JUN-2010 02:36:27; Dark ; 53.0; 58; 21Alp And ; 2.07; 11000;occ; 106; 0;43143
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 13; 6970.6; 01-JUN-2010 04:57:18; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;43145
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23; 3004.5; 01-JUN-2010 07:12:24; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;43146
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 22; 6541.6; 15-JUN-2010 19:15:18; Dark ; 47.0; 172; Gam Gru ; 3.00; 13100;occ; 94; 0;43354
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 4; 285.8; 16-JUN-2010 23:41:49; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;43371
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13; 4411.6; 16-JUN-2010 18:08:11; Dark ; 60.5; 53; 43Bet And ; 2.05; 3300;occ; 121; 0;43367
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 2; 1619.7; 19-JUN-2010 15:46:48; Bright; 39.5; 86; 35Eta Oph ; 2.43; 10200;occ; 79; 0;43409
 3; 1996.8; 19-JUN-2010 15:53:05; Bright; 42.0; 126; 60Bet Oph ; 2.77; 4250;occ; 84; 0;43409
 4; 2144.5; 19-JUN-2010 15:55:33; Bright; 41.5; 59; 55Alp Oph ; 2.08; 8900;occ; 83; 0;43409
 5; 2274.1; 19-JUN-2010 15:57:42; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;43409
 6; 2451.4; 19-JUN-2010 16:00:40; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;43409
 7; 2849.2; 19-JUN-2010 16:07:17; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;43409
 8; 2955.8; 19-JUN-2010 16:09:04; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;43409
 9; 3457.2; 19-JUN-2010 16:17:25; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;43409
 10; 3859.4; 19-JUN-2010 16:24:08; Bright; 65.0; 74; 11Bet Cas ; 2.27; 6600;occ; 130; 0;43409
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 12; 4064.0; 19-JUN-2010 16:27:32; Bright; 33.0; 160; 23Gam Per ; 2.93; 4700;occ; 66; 0;43409
 13; 4270.6; 19-JUN-2010 16:30:59; Bright; 43.5; 73; 57Gam1And ; 2.26; 13100;occ; 87; 0;43409
 14; 4410.6; 19-JUN-2010 16:33:19; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;43409
 15; 4632.6; 19-JUN-2010 16:37:01; Dark ; 47.0; 50; 13Alp Ari ; 2.01; 4250;occ; 94; 0;43409
 16; 5383.0; 19-JUN-2010 16:49:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43409
 17; 5620.5; 19-JUN-2010 16:53:29; Dark ; 60.0; 52; 16Bet Cet ; 2.04; 4500;occ; 120; 0;43409
 18; 5978.2; 19-JUN-2010 16:59:26; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;43409
 19; 6360.2; 19-JUN-2010 17:05:48; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;43410
 20; 6483.3; 19-JUN-2010 17:07:51; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;43410
 21; 6693.0; 19-JUN-2010 17:11:21; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43410

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 3; 1619.9; 19-JUN-2010 17:27:24; Bright; 40.0; 86; 35Eta Oph ; 2.43; 10200;occ; 80; 0;43410
 4; 1996.5; 19-JUN-2010 17:33:41; Bright; 41.5; 126; 60Bet Oph ; 2.77; 4250;occ; 83; 0;43410
 5; 2144.2; 19-JUN-2010 17:36:08; Bright; 45.5; 59; 55Alp Oph ; 2.08; 8900;occ; 91; 0;43410
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 7; 2451.3; 19-JUN-2010 17:41:15; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;43410
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 9; 2955.8; 19-JUN-2010 17:49:40; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;43410
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 11; 3859.1; 19-JUN-2010 18:04:43; Bright; 65.0; 74; 11Bet Cas ; 2.27; 6600;occ; 130; 0;43410
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 13; 4064.0; 19-JUN-2010 18:08:08; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;43410
 14; 4270.6; 19-JUN-2010 18:11:35; Bright; 43.0; 73; 57Gam1And ; 2.26; 13100;occ; 86; 0;43410
 15; 4410.4; 19-JUN-2010 18:13:55; Dark ; 43.5; 173; 4Bet Tri ; 3.00; 8900;occ; 87; 0;43410
 16; 4632.9; 19-JUN-2010 18:17:37; Dark ; 49.0; 50; 13Alp Ari ; 2.01; 4250;occ; 98; 0;43410
 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
 20; 6361.0; 19-JUN-2010 18:46:25; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;43411
 21; 6484.3; 19-JUN-2010 18:48:28; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;43411
 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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 3; 1620.2; 19-JUN-2010 19:08:00; Bright; 39.0; 86; 35Eta Oph ; 2.43; 10200;occ; 78; 0;43411
 4; 1996.7; 19-JUN-2010 19:14:17; Bright; 42.5; 126; 60Bet Oph ; 2.77; 4250;occ; 85; 0;43411
 5; 2144.0; 19-JUN-2010 19:16:44; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;43411
 6; 2274.0; 19-JUN-2010 19:18:54; Bright; 36.5; 127; 27Bet Her ; 2.78; 4700;occ; 73; 0;43411
 7; 2451.1; 19-JUN-2010 19:21:51; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;43411
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 9; 2955.8; 19-JUN-2010 19:30:16; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;43411
 10; 3455.7; 19-JUN-2010 19:38:36; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;43411
 11; 3858.8; 19-JUN-2010 19:45:19; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;43411
 12; 3946.2; 19-JUN-2010 19:46:46; Bright; 43.5; 68; 18Alp Cas ; 2.22; 4500;occ; 87; 0;43411
 13; 4064.0; 19-JUN-2010 19:48:44; Bright; 34.5; 160; 23Gam Per ; 2.93; 4700;occ; 69; 0;43411
 14; 4270.4; 19-JUN-2010 19:52:10; Bright; 41.5; 73; 57Gam1And ; 2.26; 13100;occ; 83; 0;43411
 15; 4410.7; 19-JUN-2010 19:54:31; Dark ; 41.5; 173; 4Bet Tri ; 3.00; 8900;occ; 83; 0;43411
 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
 18; 5622.9; 19-JUN-2010 20:14:43; Dark ; 65.0; 52; 16Bet Cet ; 2.04; 4500;occ; 130; 0;43411
 19; 5979.8; 19-JUN-2010 20:20:40; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;43411
 20; 6362.1; 19-JUN-2010 20:27:02; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;43412
 21; 6485.0; 19-JUN-2010 20:29:05; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;43412
 22; 6694.1; 19-JUN-2010 20:32:34; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43412

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 3; 1620.0; 19-JUN-2010 20:48:36; Bright; 39.5; 86; 35Eta Oph ; 2.43; 10200;occ; 79; 0;43412
 4; 1996.2; 19-JUN-2010 20:54:52; Bright; 41.5; 126; 60Bet Oph ; 2.77; 4250;occ; 83; 0;43412
 5; 2143.6; 19-JUN-2010 20:57:20; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;43412
 6; 2274.1; 19-JUN-2010 20:59:30; Bright; 36.5; 127; 27Bet Her ; 2.78; 4700;occ; 73; 0;43412
 7; 2451.0; 19-JUN-2010 21:02:27; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;43412
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 9; 2955.8; 19-JUN-2010 21:10:52; Bright; 53.0; 119; 14Eta Dra ; 2.73; 4700;occ; 106; 0;43412
 10; 3455.2; 19-JUN-2010 21:19:11; Bright; 49.0; 89; 5Alp Cep ; 2.45; 8000;occ; 98; 0;43412
 11; 3858.4; 19-JUN-2010 21:25:54; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;43412
 12; 3945.8; 19-JUN-2010 21:27:22; Bright; 45.5; 68; 18Alp Cas ; 2.22; 4500;occ; 91; 0;43412
 13; 4064.1; 19-JUN-2010 21:29:20; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;43412
 14; 4270.3; 19-JUN-2010 21:32:46; Bright; 44.0; 73; 57Gam1And ; 2.26; 13100;occ; 88; 0;43412
 15; 4410.5; 19-JUN-2010 21:35:07; Dark ; 44.0; 173; 4Bet Tri ; 3.00; 8900;occ; 88; 0;43412
 16; 4633.3; 19-JUN-2010 21:38:49; Dark ; 51.0; 50; 13Alp Ari ; 2.01; 4250;occ; 102; 0;43412

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 3; -54.8; 19-JUN-2010 22:01:17; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;43412
 4; 326.8; 19-JUN-2010 22:07:39; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;43413
 5; 449.9; 19-JUN-2010 22:09:42; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;43413
 6; 658.8; 19-JUN-2010 22:13:11; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43413
 7; 1225.1; 19-JUN-2010 22:22:37; Dark ; 48.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 97; 0;43413
 8; 1312.7; 19-JUN-2010 22:24:05; Dark ; 47.5; 116; 19Del Sgr ; 2.70; 4100;occ; 95; 0;43413
 9; 1620.3; 19-JUN-2010 22:29:12; Bright; 39.5; 86; 35Eta Oph ; 2.43; 10200;occ; 79; 0;43413
 10; 1996.1; 19-JUN-2010 22:35:28; Bright; 41.5; 126; 60Bet Oph ; 2.77; 4250;occ; 83; 0;43413
 11; 2143.4; 19-JUN-2010 22:37:55; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;43413
 12; 2273.9; 19-JUN-2010 22:40:06; Bright; 41.0; 127; 27Bet Her ; 2.78; 4700;occ; 82; 0;43413
 13; 2451.1; 19-JUN-2010 22:43:03; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;43413
 14; 2848.0; 19-JUN-2010 22:49:40; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;43413
 15; 2955.6; 19-JUN-2010 22:51:28; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;43413
 16; 3454.3; 19-JUN-2010 22:59:46; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;43413
 17; 3857.9; 19-JUN-2010 23:06:30; Bright; 66.0; 74; 11Bet Cas ; 2.27; 6600;occ; 132; 0;43413
 18; 3945.6; 19-JUN-2010 23:07:58; Bright; 58.0; 68; 18Alp Cas ; 2.22; 4500;occ; 116; 0;43413
 19; 4064.0; 19-JUN-2010 23:09:56; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;43413
 20; 4270.5; 19-JUN-2010 23:13:22; Bright; 44.0; 73; 57Gam1And ; 2.26; 13100;occ; 88; 0;43413
 21; 4410.7; 19-JUN-2010 23:15:43; Dark ; 43.0; 173; 4Bet Tri ; 3.00; 8900;occ; 86; 0;43413
 22; 4633.6; 19-JUN-2010 23:19:26; Dark ; 50.5; 50; 13Alp Ari ; 2.01; 4250;occ; 101; 0;43413

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 3; -54.4; 19-JUN-2010 23:41:53; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;43413
 4; 327.9; 19-JUN-2010 23:48:16; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;43414
 5; 451.1; 19-JUN-2010 23:50:19; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;43414

6; 659.5; 19-JUN-2010 23:53:47; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43414
7; 1225.7; 20-JUN-2010 00:03:13; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;43414
8; 1312.8; 20-JUN-2010 00:04:41; Dark ; 49.5; 116; 19Del Sgr ; 2.70; 4100;occ; 99; 0;43414
9; 1620.5; 20-JUN-2010 00:09:48; Bright; 38.0; 86; 35Eta Oph ; 2.43; 10200;occ; 76; 0;43414
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11; 2143.2; 20-JUN-2010 00:18:31; Bright; 43.5; 59; 55Alp Oph ; 2.08; 8900;occ; 87; 0;43414
12; 2273.8; 20-JUN-2010 00:20:42; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;43414
13; 2450.9; 20-JUN-2010 00:23:39; Bright; 38.0; 133; 40Zet Her ; 2.81; 6000;occ; 76; 0;43414
14; 2847.3; 20-JUN-2010 00:30:15; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;43414
15; 2955.7; 20-JUN-2010 00:32:04; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;43414
16; 3453.6; 20-JUN-2010 00:40:21; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;43414
17; 3857.3; 20-JUN-2010 00:47:05; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;43414
18; 3945.2; 20-JUN-2010 00:48:33; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;43414
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21; 4414.1; 20-JUN-2010 00:56:22; Dark ; 64.0; 53; 43Bet And ; 2.05; 3300;occ; 128; 0;43414
22; 4633.8; 20-JUN-2010 01:00:02; Dark ; 48.5; 50; 13Alp Ari ; 2.01; 4250;occ; 97; 0;43414
23; 5385.8; 20-JUN-2010 01:12:34; Dark ; 20.0; 0; ; 0.00; 0;occ; 40; 0;43414

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3; -53.2; 20-JUN-2010 01:22:30; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;43414
4; 328.8; 20-JUN-2010 01:28:52; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;43415
5; 452.1; 20-JUN-2010 01:30:56; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;43415
6; 659.6; 20-JUN-2010 01:34:23; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43415
7; 1226.0; 20-JUN-2010 01:43:50; Dark ; 48.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 96; 0;43415
8; 1312.8; 20-JUN-2010 01:45:17; Dark ; 49.0; 116; 19Del Sgr ; 2.70; 4100;occ; 98; 0;43415
9; 1620.5; 20-JUN-2010 01:50:24; Bright; 38.5; 86; 35Eta Oph ; 2.43; 10200;occ; 77; 0;43415
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11; 2142.9; 20-JUN-2010 01:59:07; Bright; 42.5; 59; 55Alp Oph ; 2.08; 8900;occ; 85; 0;43415
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13; 2450.8; 20-JUN-2010 02:04:14; Bright; 39.5; 133; 40Zet Her ; 2.81; 6000;occ; 79; 0;43415
14; 2847.3; 20-JUN-2010 02:10:51; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;43415
15; 2955.2; 20-JUN-2010 02:12:39; Bright; 34.5; 119; 14Eta Dra ; 2.73; 4700;occ; 69; 0;43415
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17; 3856.9; 20-JUN-2010 02:27:41; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;43415
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28; 6696.4; 20-JUN-2010 03:15:00; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;43416
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12; 2447.4; 22-JUN-2010 22:48:44; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;43456
13; 2721.7; 22-JUN-2010 22:53:18; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;43456

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 31; 8169.8; 23-JUN-2010 03:45:18; Bright; 41.5; 59; 55Alp Oph ; 2.08; 8900;occ; 83; 0;43459
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 33; 8755.5; 23-JUN-2010 03:55:04; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;43459
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13; 2830.4; 24-JUN-2010 01:44:42; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;43472
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 4; 508.0; 24-JUN-2010 02:46:35; Dark ; 54.0; 31; Alp Gru ; 1.73; 15200;occ; 108; 0;43473
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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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16; 1988.1; 24-JUN-2010 04:51:51; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;43474
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 12; 2702.6; 24-JUN-2010 21:49:45; Bright; 50.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 100; 0;43484
 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
 17; 4064.9; 24-JUN-2010 22:12:27; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43484
 18; 4270.0; 24-JUN-2010 22:15:53; Bright; 44.0; 73; 57Gam1And ; 2.26; 13100;occ; 88; 0;43484
 19; 4416.8; 24-JUN-2010 22:18:19; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;43484
 20; 4651.7; 24-JUN-2010 22:22:14; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;43484

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 3; 9.2; 24-JUN-2010 22:45:28; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;43484
 4; 398.2; 24-JUN-2010 22:51:57; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;43485
 5; 519.7; 24-JUN-2010 22:53:58; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43485
 6; 698.8; 24-JUN-2010 22:56:57; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43485
 7; 1248.5; 24-JUN-2010 23:06:07; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;43485
 8; 1332.8; 24-JUN-2010 23:07:31; Dark ; 55.5; 116; 19Del Sgr ; 2.70; 4100;occ; 111; 0;43485
 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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11; 2130.2; 24-JUN-2010 23:20:49; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;43485
12; 2702.2; 24-JUN-2010 23:30:21; Bright; 47.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 95; 0;43485
13; 2826.9; 24-JUN-2010 23:32:25; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;43485
14; 3405.2; 24-JUN-2010 23:42:04; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;43485
15; 3828.1; 24-JUN-2010 23:49:06; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;43485
16; 3921.8; 24-JUN-2010 23:50:40; Bright; 66.0; 68; 18Alp Cas ; 2.22; 4500;occ; 132; 0;43485
17; 4064.8; 24-JUN-2010 23:53:03; Bright; 44.5; 160; 23Gam Per ; 2.93; 4700;occ; 89; 0;43485
18; 4269.9; 24-JUN-2010 23:56:28; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;43485
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
4; 399.1; 25-JUN-2010 00:32:33; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;43486
5; 520.4; 25-JUN-2010 00:34:35; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43486
6; 699.5; 25-JUN-2010 00:37:34; Dark ; 49.5; 45; Alp Pav ; 1.94; 26000;occ; 99; 0;43486
7; 1248.9; 25-JUN-2010 00:46:43; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;43486
8; 1333.3; 25-JUN-2010 00:48:08; Dark ; 51.5; 116; 19Del Sgr ; 2.70; 4100;occ; 103; 0;43486
9; 1462.4; 25-JUN-2010 00:50:17; Bright; 50.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 101; 0;43486
10; 1986.6; 25-JUN-2010 00:59:01; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;43486
11; 2129.9; 25-JUN-2010 01:01:24; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;43486
12; 2701.4; 25-JUN-2010 01:10:56; Bright; 50.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 101; 0;43486
13; 2826.6; 25-JUN-2010 01:13:01; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;43486
14; 3404.5; 25-JUN-2010 01:22:39; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;43486
15; 3827.4; 25-JUN-2010 01:29:42; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;43486
16; 3921.4; 25-JUN-2010 01:31:16; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;43486
17; 4064.9; 25-JUN-2010 01:33:39; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43486
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19; 4417.1; 25-JUN-2010 01:39:31; Dark ; 44.5; 173; 4Bet Tri ; 3.00; 8900;occ; 89; 0;43486
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3; 10.9; 25-JUN-2010 02:06:41; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;43487
4; 400.3; 25-JUN-2010 02:13:10; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;43487
5; 521.4; 25-JUN-2010 02:15:12; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;43487
6; 700.1; 25-JUN-2010 02:18:10; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;43487
7; 1248.8; 25-JUN-2010 02:27:19; Dark ; 44.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 88; 0;43487
8; 1333.6; 25-JUN-2010 02:28:44; Dark ; 48.5; 116; 19Del Sgr ; 2.70; 4100;occ; 97; 0;43487
9; 1462.7; 25-JUN-2010 02:30:53; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;43487
10; 1986.6; 25-JUN-2010 02:39:37; Bright; 40.5; 126; 60Bet Oph ; 2.77; 4250;occ; 81; 0;43487
11; 2129.9; 25-JUN-2010 02:42:00; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;43487
12; 2700.9; 25-JUN-2010 02:51:31; Bright; 50.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 100; 0;43487
13; 2826.6; 25-JUN-2010 02:53:37; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;43487
14; 3403.6; 25-JUN-2010 03:03:14; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;43487
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2; -2114.5; 25-JUN-2010 03:11:52; Bright; 46.0; 68; 18Alp Cas ; 2.22; 4500;occ; 92; 0;43487
3; -1970.9; 25-JUN-2010 03:14:15; Bright; 33.5; 160; 23Gam Per ; 2.93; 4700;occ; 67; 0;43487
4; -1765.8; 25-JUN-2010 03:17:40; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;43487
5; -1618.4; 25-JUN-2010 03:20:08; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;43487
6; -1383.2; 25-JUN-2010 03:24:03; Dark ; 62.0; 50; 13Alp Ari ; 2.01; 4250;occ; 124; 0;43487
7; -602.7; 25-JUN-2010 03:37:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43487
8; -313.2; 25-JUN-2010 03:41:53; Dark ; 53.0; 52; 16Bet Cet ; 2.04; 4500;occ; 106; 0;43487
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
11; 522.3; 25-JUN-2010 03:55:48; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;43488
12; 700.5; 25-JUN-2010 03:58:47; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43488
13; 1249.4; 25-JUN-2010 04:07:55; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;43488
14; 1334.1; 25-JUN-2010 04:09:20; Dark ; 54.0; 116; 19Del Sgr ; 2.70; 4100;occ; 108; 0;43488
15; 1462.9; 25-JUN-2010 04:11:29; Bright; 50.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 101; 0;43488
16; 1986.8; 25-JUN-2010 04:20:13; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;43488
17; 2130.0; 25-JUN-2010 04:22:36; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;43488
18; 2700.3; 25-JUN-2010 04:32:06; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;43488
19; 2826.3; 25-JUN-2010 04:34:12; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;43488
20; 3403.2; 25-JUN-2010 04:43:49; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 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
 4; -1765.8; 25-JUN-2010 04:58:16; Bright; 48.5; 73; 57Gam1And ; 2.26; 13100;occ; 97; 0;43488
 5; -1618.2; 25-JUN-2010 05:00:44; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;43488
 6; -1382.9; 25-JUN-2010 05:04:39; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;43488
 7; -602.0; 25-JUN-2010 05:17:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43488
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 9; 12.9; 25-JUN-2010 05:27:55; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;43489
 10; 402.1; 25-JUN-2010 05:34:24; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;43489
 11; 523.1; 25-JUN-2010 05:36:25; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43489
 12; 701.3; 25-JUN-2010 05:39:23; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43489
 13; 1249.8; 25-JUN-2010 05:48:32; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;43489
 14; 1333.9; 25-JUN-2010 05:49:56; Dark ; 47.0; 116; 19Del Sgr ; 2.70; 4100;occ; 94; 0;43489
 15; 1463.0; 25-JUN-2010 05:52:05; Bright; 50.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 100; 0;43489
 16; 1986.8; 25-JUN-2010 06:00:49; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;43489
 17; 2129.7; 25-JUN-2010 06:03:12; Bright; 41.0; 59; 55Alp Oph ; 2.08; 8900;occ; 82; 0;43489
 18; 2699.6; 25-JUN-2010 06:12:42; Bright; 51.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 102; 0;43489
 19; 2826.0; 25-JUN-2010 06:14:48; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;43489
 20; 3402.4; 25-JUN-2010 06:24:24; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;43489

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 3; 1464.9; 25-JUN-2010 20:57:30; Bright; 48.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 97; 0;43498
 4; 1985.6; 25-JUN-2010 21:06:11; Bright; 39.5; 126; 60Bet Oph ; 2.77; 4250;occ; 79; 0;43498
 5; 2128.3; 25-JUN-2010 21:08:34; Bright; 40.5; 59; 55Alp Oph ; 2.08; 8900;occ; 81; 0;43498
 6; 2693.7; 25-JUN-2010 21:17:59; Bright; 47.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 94; 0;43498
 7; 2823.9; 25-JUN-2010 21:20:09; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;43498
 8; 3396.1; 25-JUN-2010 21:29:42; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;43498
 9; 3822.3; 25-JUN-2010 21:36:48; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;43498
 10; 3917.7; 25-JUN-2010 21:38:23; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;43498
 11; 4064.7; 25-JUN-2010 21:40:50; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43498
 12; 4269.8; 25-JUN-2010 21:44:15; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;43498
 13; 4418.5; 25-JUN-2010 21:46:44; Dark ; 44.5; 173; 4Bet Tri ; 3.00; 8900;occ; 89; 0;43498
 14; 4656.0; 25-JUN-2010 21:50:42; Dark ; 57.5; 50; 13Alp Ari ; 2.01; 4250;occ; 115; 0;43498
 15; 4947.6; 25-JUN-2010 21:55:33; Dark ; 45.0; 94; 92Alp Cet ; 2.53; 3100;occ; 90; 0;43498

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 3; 411.9; 25-JUN-2010 22:20:33; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;43499
 4; 532.8; 25-JUN-2010 22:22:34; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;43499
 5; 706.4; 25-JUN-2010 22:25:28; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43499
 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
 9; 1985.3; 25-JUN-2010 22:46:47; Bright; 40.0; 126; 60Bet Oph ; 2.77; 4250;occ; 80; 0;43499
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 11; 2693.2; 25-JUN-2010 22:58:35; Bright; 50.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 100; 0;43499
 12; 2823.5; 25-JUN-2010 23:00:45; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;43499
 13; 3395.3; 25-JUN-2010 23:10:17; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;43499
 14; 3821.7; 25-JUN-2010 23:17:23; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;43499
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 19; 4656.0; 25-JUN-2010 23:31:17; Dark ; 52.5; 50; 13Alp Ari ; 2.01; 4250;occ; 105; 0;43499
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 3; 413.2; 26-JUN-2010 00:01:10; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;43500
 4; 533.7; 26-JUN-2010 00:03:11; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;43500
 5; 706.9; 26-JUN-2010 00:06:04; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43500
 6; 1252.6; 26-JUN-2010 00:15:10; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;43500
 7; 1336.7; 26-JUN-2010 00:16:34; Dark ; 53.0; 116; 19Del Sgr ; 2.70; 4100;occ; 106; 0;43500
 8; 1465.2; 26-JUN-2010 00:18:43; Bright; 49.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 99; 0;43500
 9; 1985.6; 26-JUN-2010 00:27:23; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;43500


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11; 2692.8; 26-JUN-2010 00:39:10; Bright; 42.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 85; 0;43500
12; 2823.3; 26-JUN-2010 00:41:21; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;43500
13; 3394.6; 26-JUN-2010 00:50:52; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;43500
14; 3821.2; 26-JUN-2010 00:57:58; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;43500
15; 3916.7; 26-JUN-2010 00:59:34; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;43500
16; 4064.7; 26-JUN-2010 01:02:02; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43500
17; 4269.7; 26-JUN-2010 01:05:27; Bright; 61.0; 73; 57Gam1And ; 2.26; 13100;occ; 122; 0;43500
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13; 1262.2; 28-JUN-2010 05:54:29; Dark ; 42.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 85; 0;43532
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 9; 4268.9; 28-JUN-2010 08:25:12; Bright; 48.5; 73; 57Gam1And ; 2.26; 13100;occ; 97; 0;43533
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 9; 3802.0; 28-JUN-2010 21:42:13; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;43541
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