

GOMOS Daily Report 22-APR-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	25APR2010 04:50:54
Data source version	GOMOS/5.00L04
Start time of products	22APR2010 00:01:10
Stop time of products	22APR2010 23:53:12
Store outputs in DB	Yes
Nb of level 1b prods	122
Nb of prods with errors	2

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

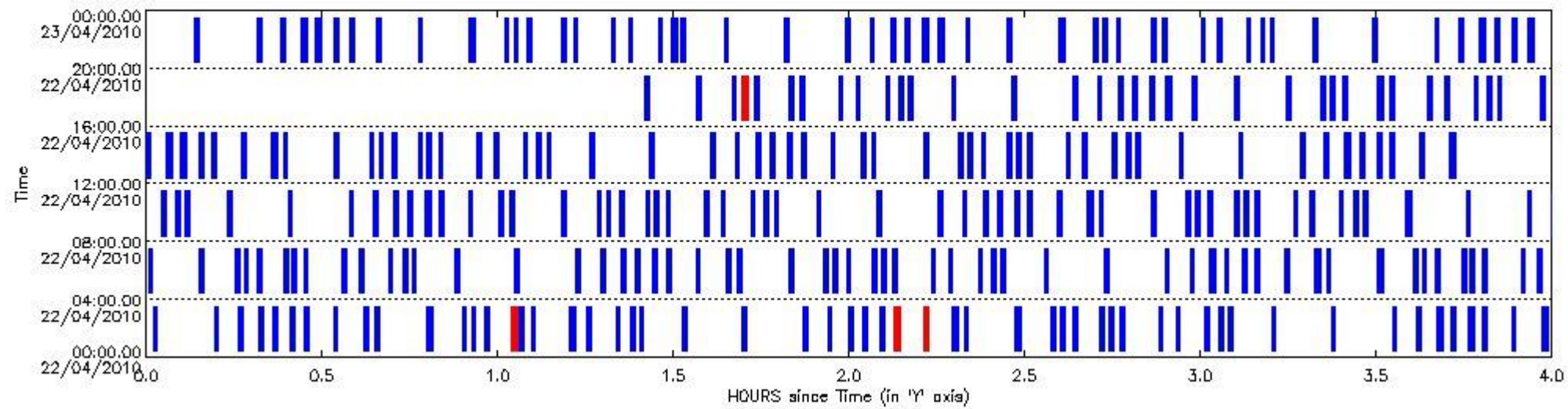
2.1 Level 0 products arrived in PCF (see template [here](#))

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
22-APR-2010 01:02:23	46GamHya	169	42570
22-APR-2010 02:07:39	49DelCap	142	42570
22-APR-2010 02:12:45	GamGru	172	42570
22-APR-2010 17:41:41	EtaCen	81	42580

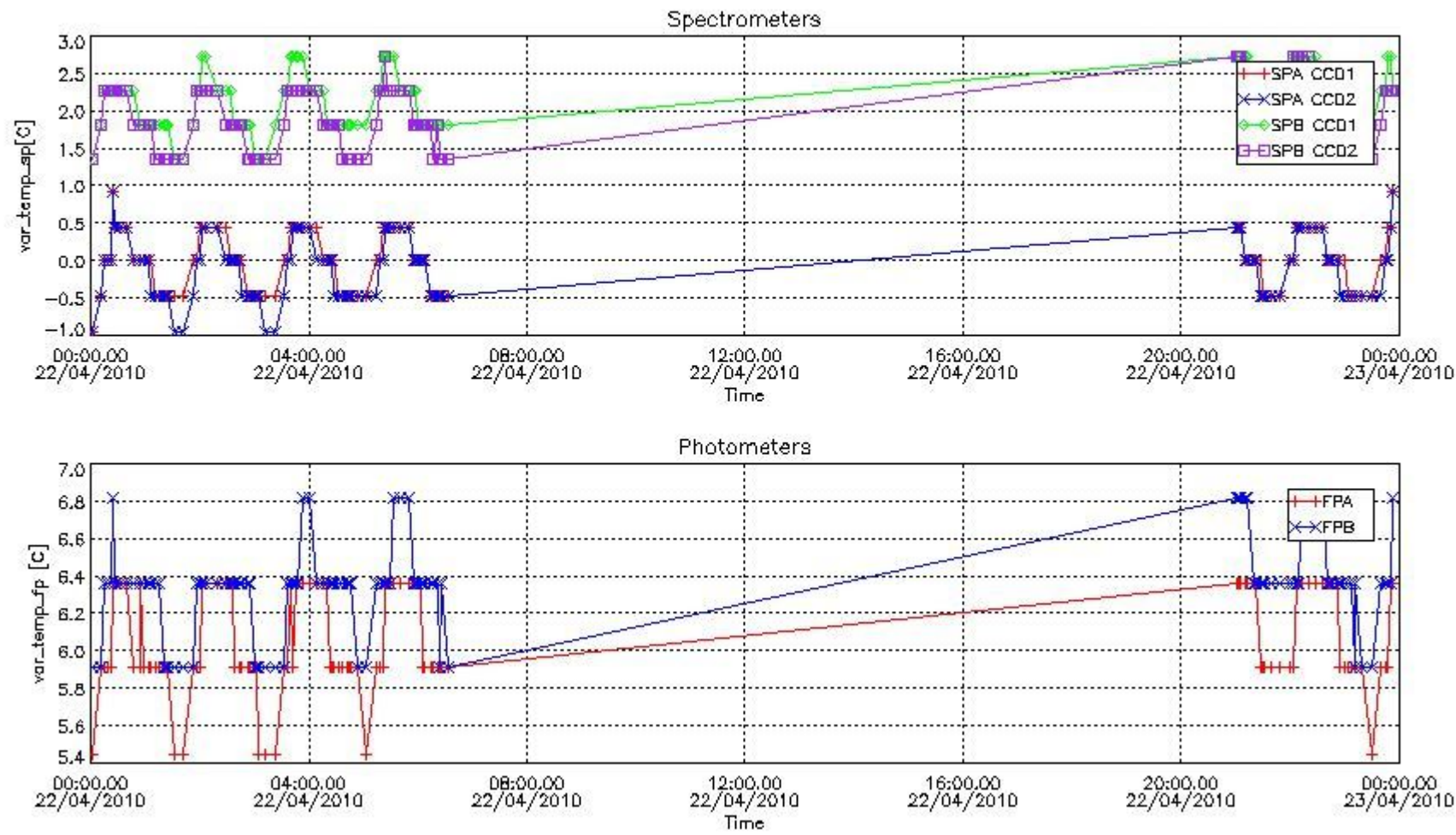
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100422_000110_000000412088_00431_42569_5794.N1	22-APR-2010 00:01:10	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	42569	No
2	GOM_TRA_1PNPDE20100422_001136_000000402088_00431_42569_5795.N1	22-APR-2010 00:11:36	Bright	39.500	164	44Eta Peg	2.9480	5400.0	79	42569	No
3	GOM_TRA_1PNPDE20100422_001545_000000402088_00431_42569_5796.N1	22-APR-2010 00:15:45	Twilight_stray	40.000	90	54Alp Peg	2.4870	11000.	80	42569	No
4	GOM_TRA_1PNPDE20100422_001911_000000532088_00431_42569_5797.N1	22-APR-2010 00:19:11	Dark	53.000	61	8Eps Peg	2.1000	3900.0	106	42569	No
5	GOM_TRA_1PNPDE20100422_002139_000000472088_00431_42569_5798.N1	22-APR-2010 00:21:39	Dark	47.000	162	34Alp Aqr	2.9440	5350.0	94	42569	No
6	GOM_TRA_1PNPDE20100422_002437_000000512088_00431_42569_5799.N1	22-APR-2010 00:24:37	Dark	50.500	154	22Bet Aqr	2.8990	5700.0	101	42569	Yes
7	GOM_TRA_1PNPDE20100422_002653_000000482088_00431_42569_5800.N1	22-APR-2010 00:26:53	Dark	47.500	142	49Del Cap	2.8500	8900.0	95	42569	No

8	GOM_TRA_1PNPDE20100422_003159_000000402088_00431_42569_5801.N1	22-APR-2010 00:31:59	Dark	40.000	172	Gam Gru	3.0030	13100.	80	42569	No
9	GOM_TRA_1PNPDE20100422_003904_000000422088_00432_42570_5802.N1	22-APR-2010 00:39:04	Dark	41.500	45	Alp Pav	1.9400	26000.	83	42570	No
10	GOM_TRA_1PNPDE20100422_004746_000000652088_00432_42570_5803.N1	22-APR-2010 00:47:46	Straylight	64.500	40	The Sco	1.8590	7100.0	129	42570	No
11	GOM_TRA_1PNPDE20100422_005355_000000422088_00432_42570_5804.N1	22-APR-2010 00:53:55	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	42570	No
12	GOM_TRA_1PNPDE20100422_005529_000000422088_00432_42570_5805.N1	22-APR-2010 00:55:29	Straylight	42.000	81	Eta Cen	2.3560	28000.	84	42570	No
13	GOM_TRA_1PNPDE20100422_005744_000000462088_00432_42570_5806.N1	22-APR-2010 00:57:44	Straylight	45.500	54	5The Cen	2.0550	4500.0	91	42570	No
14	GOM_TRA_1PNPDE20100422_010341_000000532088_00432_42570_5807.N1	22-APR-2010 01:03:41	Bright	53.000	122	9Alp2Lib	2.7470	9700.0	106	42570	No
15	GOM_TRA_1PNPDE20100422_010542_000000422088_00432_42570_5808.N1	22-APR-2010 01:05:42	Bright	42.000	15	67Alp Vir	0.97600	28000.	84	42570	No
16	GOM_TRA_1PNPDE20100422_011218_000000542088_00432_42570_5809.N1	22-APR-2010 01:12:18	Bright	54.000	138	47Eps Vir	2.8280	4700.0	108	42570	No
17	GOM_TRA_1PNPDE20100422_011511_000000442088_00432_42570_5810.N1	22-APR-2010 01:15:11	Bright	44.000	111	8Eta Boo	2.6800	6000.0	88	42570	No
18	GOM_TRA_1PNPDE20100422_012014_000000372088_00432_42570_5811.N1	22-APR-2010 01:20:14	Bright	37.000	152	12Alp2CVn	2.8900	11000.	74	42570	No
19	GOM_TRA_1PNPDE20100422_012235_000000482088_00432_42570_5812.N1	22-APR-2010 01:22:35	Bright	47.500	180	27Gam Boo	3.0400	8000.0	95	42570	No
20	GOM_TRA_1PNPDE20100422_012414_000000402088_00432_42570_5813.N1	22-APR-2010 01:24:14	Bright	40.000	39	85Eta UMa	1.8540	24000.	80	42570	No
21	GOM_TRA_1PNPDE20100422_013133_000000402088_00432_42570_5814.N1	22-APR-2010 01:31:33	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	42570	No
22	GOM_TRA_1PNPDE20100422_014146_000000402088_00432_42570_5815.N1	22-APR-2010 01:41:46	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	42570	No
23	GOM_TRA_1PNPDE20100422_015212_000000402088_00432_42570_5816.N1	22-APR-2010 01:52:12	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	42570	No
24	GOM_TRA_1PNPDE20100422_015621_000000432088_00432_42570_5817.N1	22-APR-2010 01:56:21	Tw_i_and_stray	42.500	90	54Alp Peg	2.4870	11000.	85	42570	No
25	GOM_TRA_1PNPDE20100422_015948_000000532088_00432_42570_5818.N1	22-APR-2010 01:59:48	Dark	53.000	61	8Eps Peg	2.1000	3900.0	106	42570	No
26	GOM_TRA_1PNPDE20100422_020215_000000472088_00432_42570_5819.N1	22-APR-2010 02:02:15	Dark	47.000	162	34Alp Aqr	2.9440	5350.0	94	42570	No
27	GOM_TRA_1PNPDE20100422_020514_000000522088_00432_42570_5819.N1	22-APR-2010 02:05:14	Dark	52.000	154	22Bet Aqr	2.8990	5700.0	104	42570	No
28	GOM_TRA_1PNPDE20100422_021940_000000422088_00433_42571_5820.N1	22-APR-2010 02:19:40	Dark	41.500	45	Alp Pav	1.9400	26000.	83	42571	No
29	GOM_TRA_1PNPDE20100422_022823_000000572088_00433_42571_5821.N1	22-APR-2010 02:28:23	Straylight	56.500	40	The Sco	1.8590	7100.0	113	42571	No
30	GOM_TRA_1PNPDE20100422_023431_000000442088_00433_42571_5822.N1	22-APR-2010 02:34:31	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	42571	No
31	GOM_TRA_1PNPDE20100422_023605_000000442088_00433_42571_5823.N1	22-APR-2010 02:36:05	Straylight	43.500	81	Eta Cen	2.3560	28000.	87	42571	No
32	GOM_TRA_1PNPDE20100422_023820_000000472088_00433_42571_5824.N1	22-APR-2010 02:38:20	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	42571	No
33	GOM_TRA_1PNPDE20100422_024250_000000432088_00433_42571_5825.N1	22-APR-2010 02:42:50	Tw_i_and_stray	43.000	169	46Gam Hya	2.9910	4700.0	86	42571	No
34	GOM_TRA_1PNPDE20100422_024417_000000522088_00433_42571_5826.N1	22-APR-2010 02:44:17	Bright	52.000	122	9Alp2Lib	2.7470	9700.0	104	42571	No
35	GOM_TRA_1PNPDE20100422_024618_000000422088_00433_42571_5827.N1	22-APR-2010 02:46:18	Bright	42.000	15	67Alp Vir	0.97600	28000.	84	42571	No
36	GOM_TRA_1PNPDE20100422_025254_000000382088_00433_42571_5828.N1	22-APR-2010 02:52:54	Bright	37.500	138	47Eps Vir	2.8280	4700.0	75	42571	No
37	GOM_TRA_1PNPDE20100422_025547_000000422088_00433_42571_5829.N1	22-APR-2010 02:55:47	Bright	42.000	111	8Eta Boo	2.6800	6000.0	84	42571	No
38	GOM_TRA_1PNPDE20100422_030050_000000392088_00433_42571_5830.N1	22-APR-2010 03:00:50	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	42571	No
39	GOM_TRA_1PNPDE20100422_030310_000000462088_00433_42571_5831.N1	22-APR-2010 03:03:10	Bright	45.500	180	27Gam Boo	3.0400	8000.0	91	42571	No
40	GOM_TRA_1PNPDE20100422_030450_000000392088_00433_42571_5832.N1	22-APR-2010 03:04:50	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	42571	No
41	GOM_TRA_1PNPDE20100422_031209_000000412088_00433_42571_5833.N1	22-APR-2010 03:12:09	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	42571	No
42	GOM_TRA_1PNPDE20100422_032222_000000422088_00433_42571_5846.N1	22-APR-2010 03:22:22	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	42571	No
43	GOM_TRA_1PNPDE20100422_033248_000000402088_00433_42571_5847.N1	22-APR-2010 03:32:48	Bright	39.500	164	44Eta Peg	2.9480	5400.0	79	42571	No
44	GOM_TRA_1PNPDE20100422_033658_000000402088_00433_42571_5848.N1	22-APR-2010 03:36:58	Tw_i_and_stray	40.000	90	54Alp Peg	2.4870	11000.	80	42571	No
45	GOM_TRA_1PNPDE20100422_034024_000000552088_00433_42571_5849.N1	22-APR-2010 03:40:24	Dark	55.000	61	8Eps Peg	2.1000	3900.0	110	42571	No
46	GOM_TRA_1PNPDE20100422_034251_000000502088_00433_42571_5850.N1	22-APR-2010 03:42:51	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	42571	No
47	GOM_TRA_1PNPDE20100422_034551_000000552088_00433_42571_5851.N1	22-APR-2010 03:45:51	Dark	54.500	154	22Bet Aqr	2.8990	5700.0	109	42571	No
48	GOM_TRA_1PNPDE20100422_034806_000000472088_00433_42571_5852.N1	22-APR-2010 03:48:06	Dark	46.500	142	49Del Cap	2.8500	8900.0	93	42571	No
49	GOM_TRA_1PNPDE20100422_035313_000000412088_00433_42571_5853.N1	22-APR-2010 03:53:13	Dark	41.000	172	Gam Gru	3.0030	13100.	82	42571	No
50	GOM_TRA_1PNPDE20100422_040017_000000402088_00434_42572_5854.N1	22-APR-2010 04:00:17	Dark	39.500	45	Alp Pav	1.9400	26000.	79	42572	No
51	GOM_TRA_1PNPDE20100422_040900_000000542088_00434_42572_5855.N1	22-APR-2010 04:09:00	Straylight	53.500	40	The Sco	1.8590	7100.0	107	42572	No
52	GOM_TRA_1PNPDE20100422_041507_000000442088_00434_42572_5856.N1	22-APR-2010 04:15:07	Straylight	43.500	78	Alp Lup	2.3040	28000.	87	42572	No
53	GOM_TRA_1PNPDE20100422_041642_000000442088_00434_42572_5857.N1	22-APR-2010 04:16:42	Straylight	44.000	81	Eta Cen	2.3560	28000.	88	42572	No
54	GOM_TRA_1PNPDE20100422_041856_000000472088_00434_42572_5858.N1	22-APR-2010 04:18:56	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	42572	No
55	GOM_TRA_1PNPDE20100422_042326_000000442088_00434_42572_5859.N1	22-APR-2010 04:23:26	Tw_i_and_stray	43.500	169	46Gam Hya	2.9910	4700.0	87	42572	No
56	GOM_TRA_1PNPDE20100422_042453_000000512088_00434_42572_5860.N1	22-APR-2010 04:24:53	Bright	51.000	122	9Alp2Lib	2.7470	9700.0	102	42572	No
57	GOM_TRA_1PNPDE20100422_042655_000000432088_00434_42572_5861.N1	22-APR-2010 04:26:55	Bright	42.500	15	67Alp Vir	0.97600	28000.	85	42572	No
58	GOM_TRA_1PNPDE20100422_043330_000000382088_00434_42572_5862.N1	22-APR-2010 04:33:30	Bright	37.500	138	47Eps Vir	2.8280	4700.0	75	42572	No
59	GOM_TRA_1PNPDE20100422_043622_000000442088_00434_42572_5863.N1	22-APR-2010 04:36:22	Bright	43.500	111	8Eta Boo	2.6800	6000.0	87	42572	No
60	GOM_TRA_1PNPDE20100422_044126_000000372088_00434_42572_5864.N1	22-APR-2010 04:41:26	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	42572	No
61	GOM_TRA_1PNPDE20100422_044346_000000472088_00434_42572_5865.N1	22-APR-2010 04:43:46	Bright	46.500	180	27Gam Boo	3.0400	8000.0	93	42572	No
62	GOM_TRA_1PNPDE20100422_044526_000000392088_00434_42572_5866.N1	22-APR-2010 04:45:26	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	42572	No
63	GOM_TRA_1PNPDE20100422_045244_000000422088_00434_42572_5867.N1	22-APR-2010 04:52:44	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	42572	No
64	GOM_TRA_1PNPDE20100422_050258_000000402088_00434_42572_5872.N1	22-APR-2010 05:02:58	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	42572	No
65	GOM_TRA_1PNPDE20100422_051324_000000412088_00434_42572_5873.N1	22-APR-2010 05:13:24	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	42572	No
66	GOM_TRA_1PNPDE20100422_051734_000000432088_00434_42572_5874.N1	22-APR-2010 05:17:34	Tw_i_and_stray	42.500	90	54Alp Peg	2.4870	11000.	85	42572	No

67	GOM_TRA_1PNPDE20100422_052101_000000552088_00434_42572_5875.N1	22-APR-2010 05:21:01	Dark	54.500	61	8Eps Peg	2.1000	3900.0	109	42572	No
68	GOM_TRA_1PNPDE20100422_052328_000000482088_00434_42572_5876.N1	22-APR-2010 05:23:28	Dark	48.000	162	34Alp Aqr	2.9440	5350.0	96	42572	No
69	GOM_TRA_1PNPDE20100422_052627_000000522088_00434_42572_5877.N1	22-APR-2010 05:26:27	Dark	52.000	154	22Bet Aqr	2.8990	5700.0	104	42572	No
70	GOM_TRA_1PNPDE20100422_052844_000000472088_00434_42572_5878.N1	22-APR-2010 05:28:44	Dark	46.500	142	49Del Cap	2.8500	8900.0	93	42572	No
71	GOM_TRA_1PNPDE20100422_053349_000000402088_00434_42572_5879.N1	22-APR-2010 05:33:49	Dark	40.000	172	Gam Gru	3.0030	13100.	80	42572	No
72	GOM_TRA_1PNPDE20100422_054054_000000412088_00435_42573_5880.N1	22-APR-2010 05:40:54	Dark	40.500	45	Alp Pav	1.9400	26000.	81	42573	No
73	GOM_TRA_1PNPDE20100422_054937_000000542088_00435_42573_5881.N1	22-APR-2010 05:49:37	Straylight	53.500	40	The Sco	1.8590	7100.0	107	42573	No
74	GOM_TRA_1PNPDE20100422_055543_000000442088_00435_42573_5882.N1	22-APR-2010 05:55:43	Straylight	42.000	78	Alp Lup	2.3040	28000.	84	42573	No
75	GOM_TRA_1PNPDE20100422_055718_000000442088_00435_42573_5883.N1	22-APR-2010 05:57:18	Straylight	44.000	81	Eta Cen	2.3560	28000.	88	42573	No
76	GOM_TRA_1PNPDE20100422_055933_000000462088_00435_42573_5884.N1	22-APR-2010 05:59:33	Straylight	45.500	54	5The Cen	2.0550	4500.0	91	42573	No
77	GOM_TRA_1PNPDE20100422_060402_000000422088_00435_42573_5885.N1	22-APR-2010 06:04:02	Tw_i_and_stray	42.000	169	46Gam Hya	2.9910	4700.0	84	42573	No
78	GOM_TRA_1PNPDE20100422_060529_000000512088_00435_42573_5886.N1	22-APR-2010 06:05:29	Bright	51.000	122	9Alp2Lib	2.7470	9700.0	102	42573	No
79	GOM_TRA_1PNPDE20100422_060731_000000422088_00435_42573_5887.N1	22-APR-2010 06:07:31	Bright	41.500	15	67Alp Vir	0.97600	28000.	83	42573	No
80	GOM_TRA_1PNPDE20100422_061406_000000382088_00435_42573_5888.N1	22-APR-2010 06:14:06	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	42573	No
81	GOM_TRA_1PNPDE20100422_061658_000000422088_00435_42573_5889.N1	22-APR-2010 06:16:58	Bright	42.000	111	8Eta Boo	2.6800	6000.0	84	42573	No
82	GOM_TRA_1PNPDE20100422_062202_000000372088_00435_42573_5890.N1	22-APR-2010 06:22:02	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	42573	No
83	GOM_TRA_1PNPDE20100422_062421_000000462088_00435_42573_5891.N1	22-APR-2010 06:24:21	Bright	45.500	180	27Gam Boo	3.0400	8000.0	91	42573	No
84	GOM_TRA_1PNPDE20100422_062601_000000382088_00435_42573_5892.N1	22-APR-2010 06:26:01	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	42573	No
85	GOM_TRA_1PNPDE20100422_063320_000000372088_00435_42573_5893.N1	22-APR-2010 06:33:20	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	42573	No
86	GOM_TRA_1PNPDE20100422_210110_000000432088_00444_42582_5996.N1	22-APR-2010 21:01:10	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	42582	No
87	GOM_TRA_1PNPDE20100422_210245_000000432088_00444_42582_5997.N1	22-APR-2010 21:02:45	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	42582	No
88	GOM_TRA_1PNPDE20100422_210458_000000472088_00444_42582_5998.N1	22-APR-2010 21:04:58	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	42582	No
89	GOM_TRA_1PNPDE20100422_211053_000000522088_00444_42582_5999.N1	22-APR-2010 21:10:53	Bright	51.500	122	9Alp2Lib	2.7470	9700.0	103	42582	No
90	GOM_TRA_1PNPDE20100422_211255_000000432088_00444_42582_6000.N1	22-APR-2010 21:12:55	Bright	43.000	15	67Alp Vir	0.97600	28000.	86	42582	No
91	GOM_TRA_1PNPDE20100422_211929_000000372088_00444_42582_6001.N1	22-APR-2010 21:19:29	Bright	37.000	138	47Eps Vir	2.8280	4700.0	74	42582	No
92	GOM_TRA_1PNPDE20100422_212218_000000422088_00444_42582_6002.N1	22-APR-2010 21:22:18	Bright	42.000	111	8Eta Boo	2.6800	6000.0	84	42582	No
93	GOM_TRA_1PNPDE20100422_212724_000000392088_00444_42582_6003.N1	22-APR-2010 21:27:24	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	42582	No
94	GOM_TRA_1PNPDE20100422_212939_000000672088_00444_42582_6004.N1	22-APR-2010 21:29:39	Bright	67.000	180	27Gam Boo	3.0400	8000.0	134	42582	No
95	GOM_TRA_1PNPDE20100422_213121_000000412088_00444_42582_6005.N1	22-APR-2010 21:31:21	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	42582	No
96	GOM_TRA_1PNPDE20100422_213841_000000382088_00444_42582_6006.N1	22-APR-2010 21:38:41	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	42582	No
97	GOM_TRA_1PNPDE20100422_214854_000000432088_00444_42582_6007.N1	22-APR-2010 21:48:54	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	42582	No
98	GOM_TRA_1PNPDE20100422_215925_000000412088_00444_42582_6008.N1	22-APR-2010 21:59:25	Bright	41.000	164	44Eta Peg	2.9480	5400.0	82	42582	No
99	GOM_TRA_1PNPDE20100422_220335_000000432088_00444_42582_6009.N1	22-APR-2010 22:03:35	Tw_i_and_stray	43.000	90	54Alp Peg	2.4870	11000.	86	42582	No
100	GOM_TRA_1PNPDE20100422_220705_000000562088_00444_42582_6010.N1	22-APR-2010 22:07:05	Dark	55.500	61	8Eps Peg	2.1000	3900.0	111	42582	No
101	GOM_TRA_1PNPDE20100422_220933_000000492088_00444_42582_6011.N1	22-APR-2010 22:09:33	Dark	48.500	162	34Alp Aqr	2.9440	5350.0	97	42582	No
102	GOM_TRA_1PNPDE20100422_221235_000000532088_00444_42582_6014.N1	22-APR-2010 22:12:35	Dark	52.500	154	22Bet Aqr	2.8990	5700.0	105	42582	No
103	GOM_TRA_1PNPDE20100422_221954_000000422088_00444_42582_6015.N1	22-APR-2010 22:19:54	Dark	41.500	172	Gam Gru	3.0030	13100.	83	42582	No
104	GOM_TRA_1PNPDE20100422_222659_000000412088_00445_42583_6016.N1	22-APR-2010 22:26:59	Dark	41.000	45	Alp Pav	1.9400	26000.	82	42583	No
105	GOM_TRA_1PNPDE20100422_223546_000000592088_00445_42583_6017.N1	22-APR-2010 22:35:46	Straylight	58.500	40	The Sco	1.8590	7100.0	117	42583	No
106	GOM_TRA_1PNPDE20100422_224147_000000432088_00445_42583_6018.N1	22-APR-2010 22:41:47	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	42583	No
107	GOM_TRA_1PNPDE20100422_224321_000000442088_00445_42583_6019.N1	22-APR-2010 22:43:21	Straylight	44.000	81	Eta Cen	2.3560	28000.	88	42583	No
108	GOM_TRA_1PNPDE20100422_224535_000000442088_00445_42583_6020.N1	22-APR-2010 22:45:35	Straylight	44.000	54	5The Cen	2.0550	4500.0	88	42583	No
109	GOM_TRA_1PNPDE20100422_225129_000000522088_00445_42583_6021.N1	22-APR-2010 22:51:29	Bright	51.500	122	9Alp2Lib	2.7470	9700.0	103	42583	No
110	GOM_TRA_1PNPDE20100422_225331_000000432088_00445_42583_6022.N1	22-APR-2010 22:53:31	Bright	43.000	15	67Alp Vir	0.97600	28000.	86	42583	No
111	GOM_TRA_1PNPDE20100422_230004_000000382088_00445_42583_6023.N1	22-APR-2010 23:00:04	Bright	38.000	138	47Eps Vir	2.8280	4700.0	76	42583	No
112	GOM_TRA_1PNPDE20100422_230254_000000442088_00445_42583_6024.N1	22-APR-2010 23:02:54	Bright	43.500	111	8Eta Boo	2.6800	6000.0	87	42583	No
113	GOM_TRA_1PNPDE20100422_230800_000000372088_00445_42583_6025.N1	22-APR-2010 23:08:00	Bright	37.000	152	12Alp2CVn	2.8900	11000.	74	42583	No
114	GOM_TRA_1PNPDE20100422_231013_000000432088_00445_42583_6026.N1	22-APR-2010 23:10:13	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	42583	No
115	GOM_TRA_1PNPDE20100422_231156_000000372088_00445_42583_6027.N1	22-APR-2010 23:11:56	Bright	37.000	39	85Eta UMa	1.8540	24000.	74	42583	No
116	GOM_TRA_1PNPDE20100422_231917_000000392088_00445_42583_6028.N1	22-APR-2010 23:19:17	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	42583	No
117	GOM_TRA_1PNPDE20100422_232930_000000422088_00445_42583_6029.N1	22-APR-2010 23:29:30	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	42583	No
118	GOM_TRA_1PNPDE20100422_234001_000000402088_00445_42583_6030.N1	22-APR-2010 23:40:01	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	42583	No
119	GOM_TRA_1PNPDE20100422_234412_000000432088_00445_42583_6031.N1	22-APR-2010 23:44:12	Tw_i_and_stray	43.000	90	54Alp Peg	2.4870	11000.	86	42583	No
120	GOM_TRA_1PNPDE20100422_234742_000000552088_00445_42583_6032.N1	22-APR-2010 23:47:42	Dark	55.000	61	8Eps Peg	2.1000	3900.0	110	42583	No
121	GOM_TRA_1PNPDE20100422_235009_000000502088_00445_42583_6033.N1	22-APR-2010 23:50:09	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	42583	No
122	GOM_TRA_1PNPDE20100422_235312_000000522088_00445_42583_6033.N1	22-APR-2010 23:53:12	Dark	51.500	154	22Bet Aqr	2.8990	5700.0	103	42583	Yes

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).

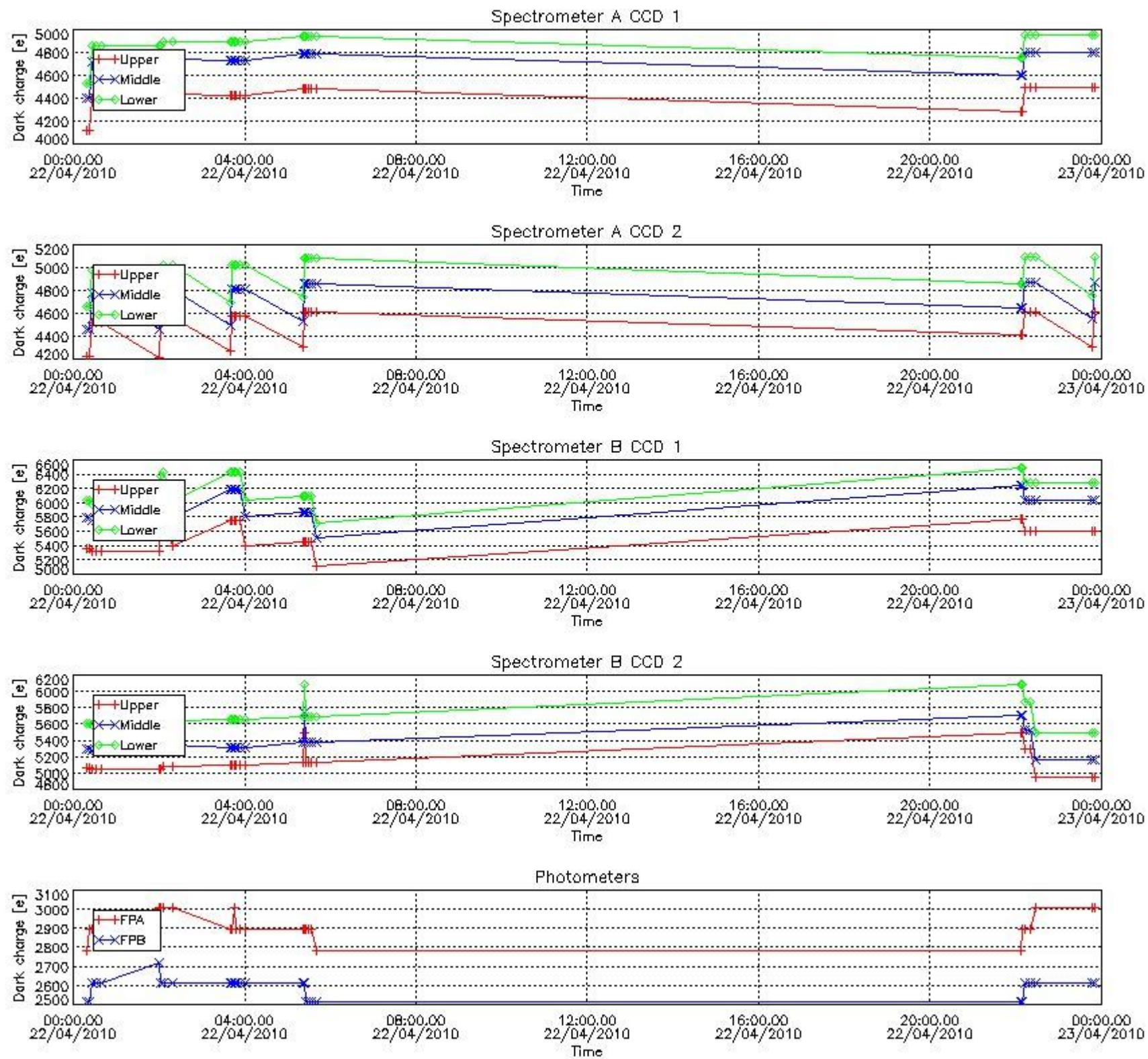
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100422_210110_000000432088_00444_42582_5996.N1	DC map used
GOM_TRA_1PNPDE20100422_210245_000000432088_00444_42582_5997.N1	DC map used
GOM_TRA_1PNPDE20100422_210458_000000472088_00444_42582_5998.N1	DC map used
GOM_TRA_1PNPDE20100422_211053_000000522088_00444_42582_5999.N1	DC map used
GOM_TRA_1PNPDE20100422_211255_000000432088_00444_42582_6000.N1	DC map used
GOM_TRA_1PNPDE20100422_211929_000000372088_00444_42582_6001.N1	DC map used
GOM_TRA_1PNPDE20100422_212218_000000422088_00444_42582_6002.N1	DC map used
GOM_TRA_1PNPDE20100422_212724_000000392088_00444_42582_6003.N1	DC map used
GOM_TRA_1PNPDE20100422_212939_000000672088_00444_42582_6004.N1	DC map used
GOM_TRA_1PNPDE20100422_213121_000000412088_00444_42582_6005.N1	DC map used
GOM_TRA_1PNPDE20100422_213841_000000382088_00444_42582_6006.N1	DC map used
GOM_TRA_1PNPDE20100422_214854_000000432088_00444_42582_6007.N1	DC map used

GOM_TRA_1PNPDE20100422_215925_000000412088_00444_42582_6008.N1	DC map used
GOM_TRA_1PNPDE20100422_220335_000000432088_00444_42582_6009.N1	DC map used
GOM_TRA_1PNPDE20100422_220705_000000562088_00444_42582_6010.N1	DC map used
GOM_TRA_1PNPDE20100422_220933_000000492088_00444_42582_6011.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

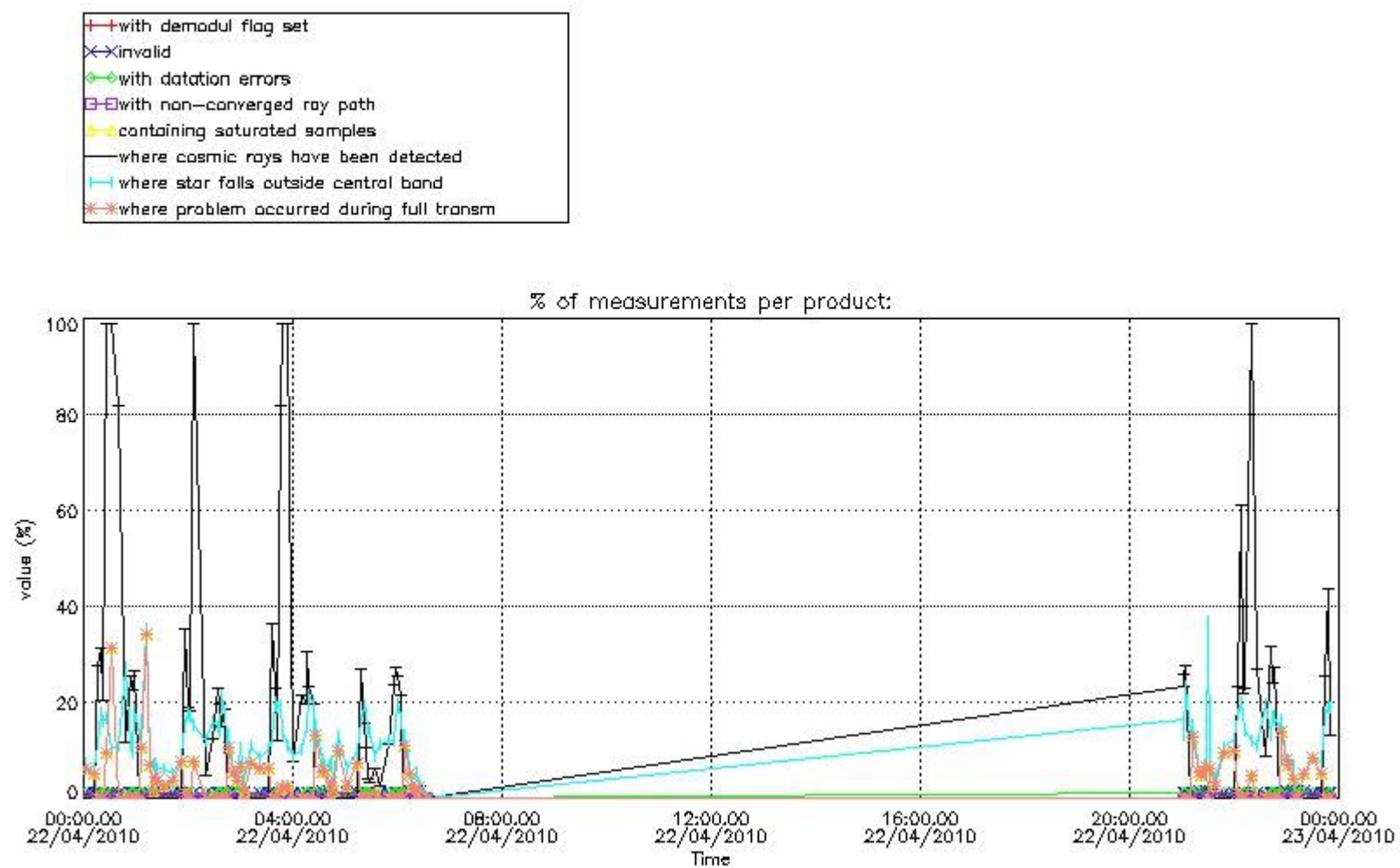
In this section it is presented the modulation information extracted from the pcd (product confidence data)

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.

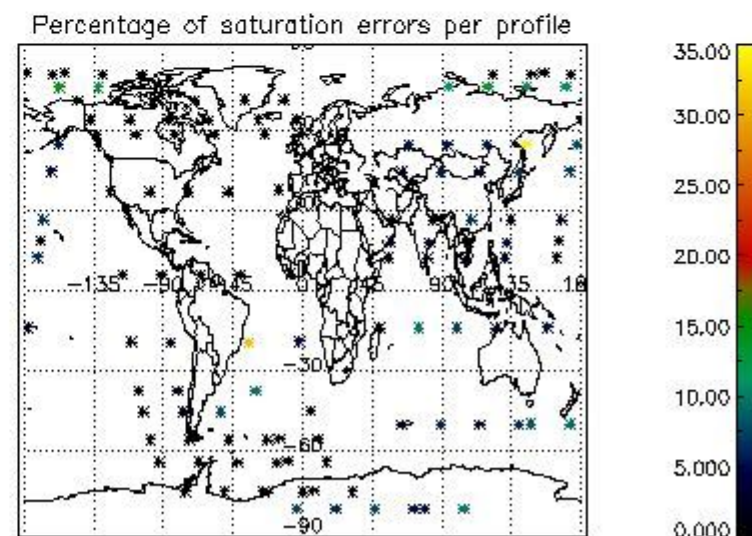
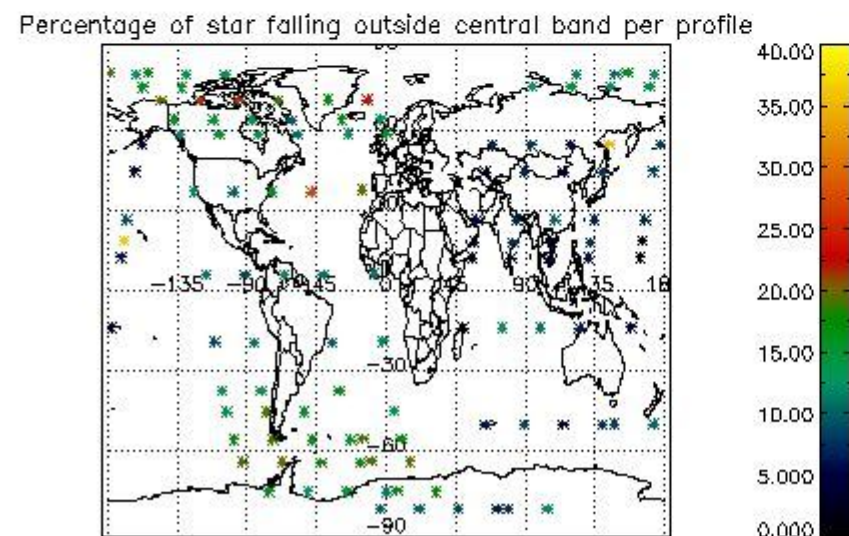
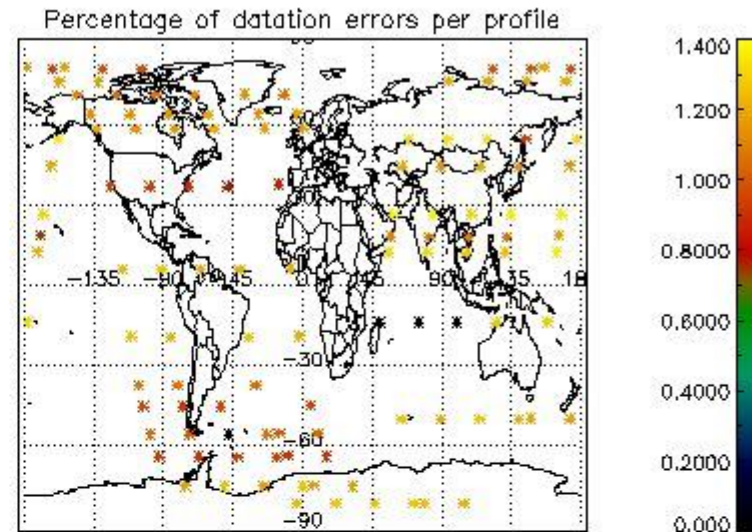
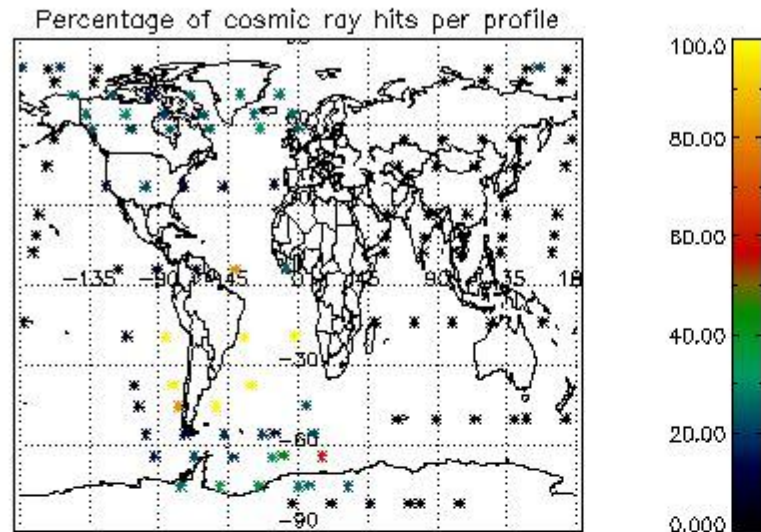
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	38.3333 %
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)



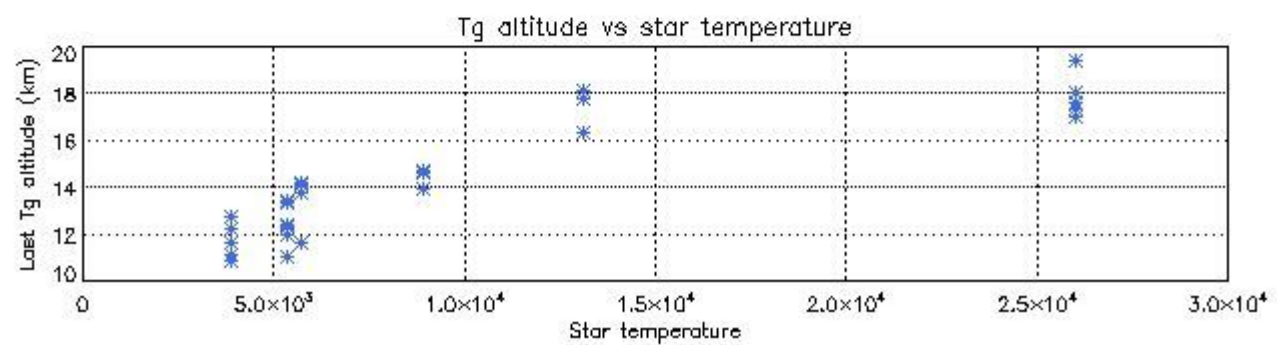
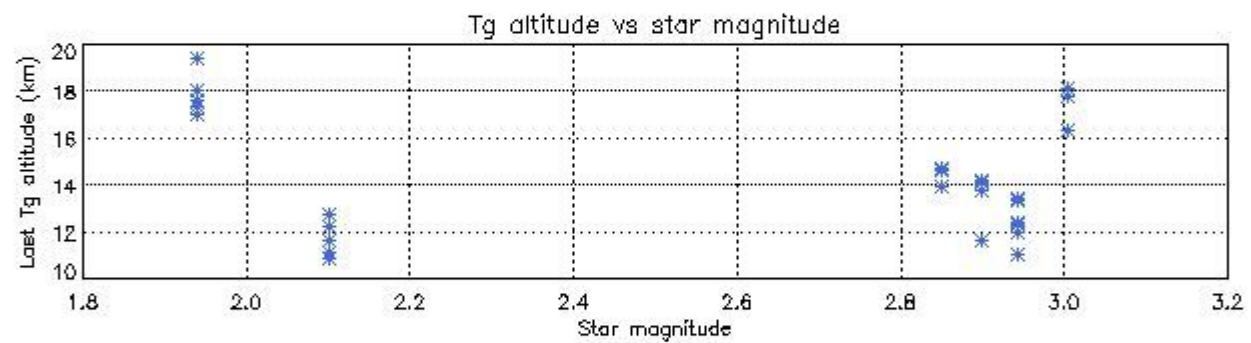
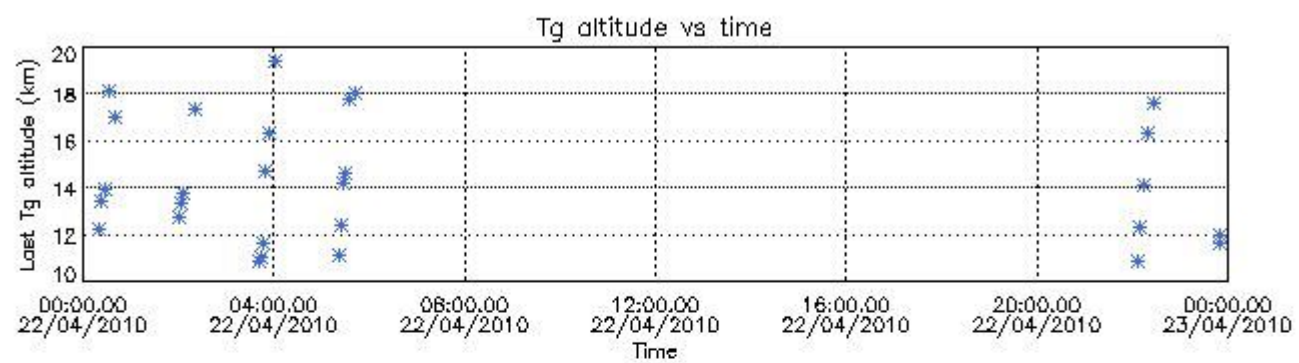
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.245	19.316	NaN
St. deviation:	2.6127	4.3040	NaN
Maximum:	19.423	27.377	NaN
Minimum:	10.834	3.7596	NaN
Number of data:	28.000	60.000	NaN

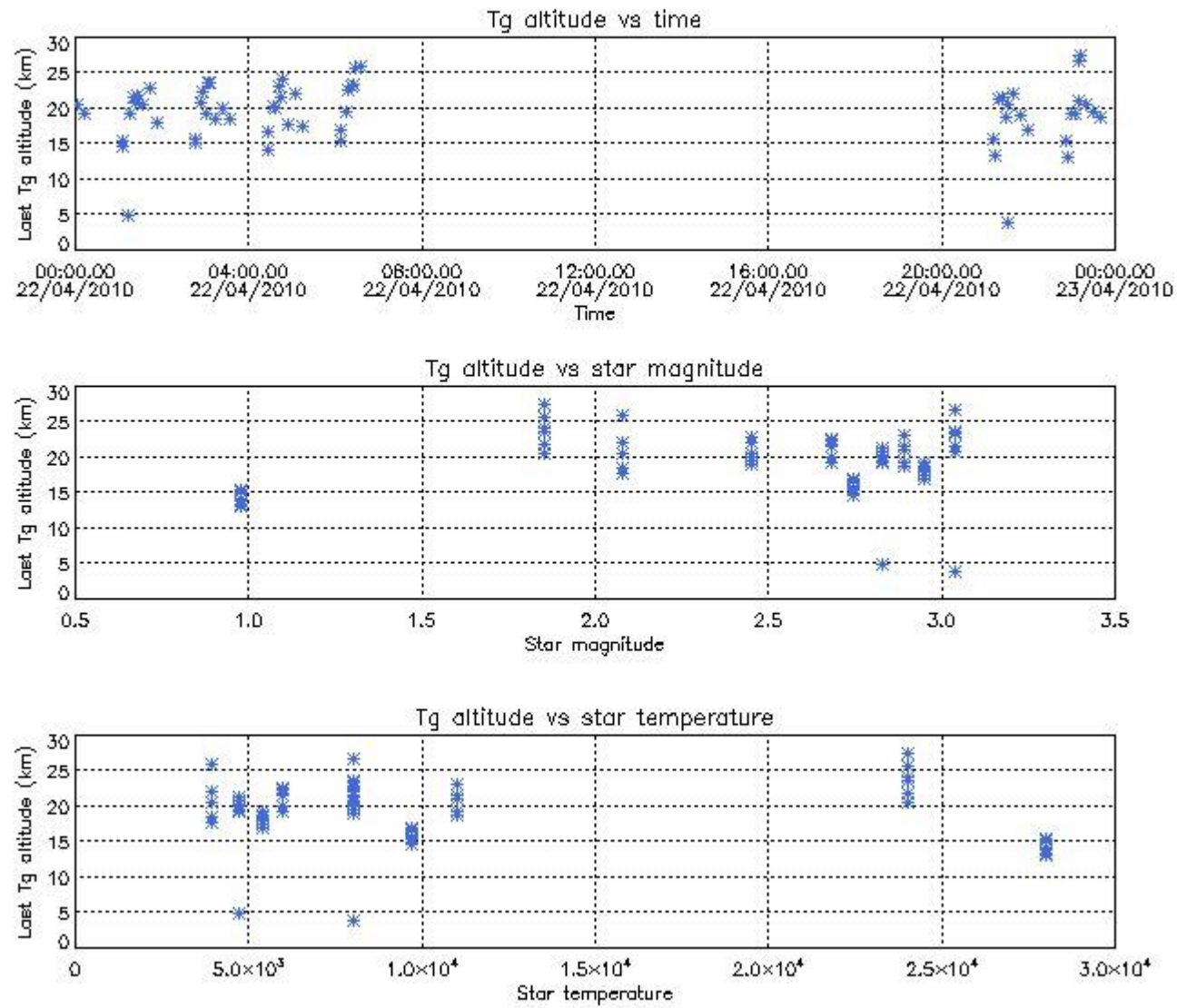
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

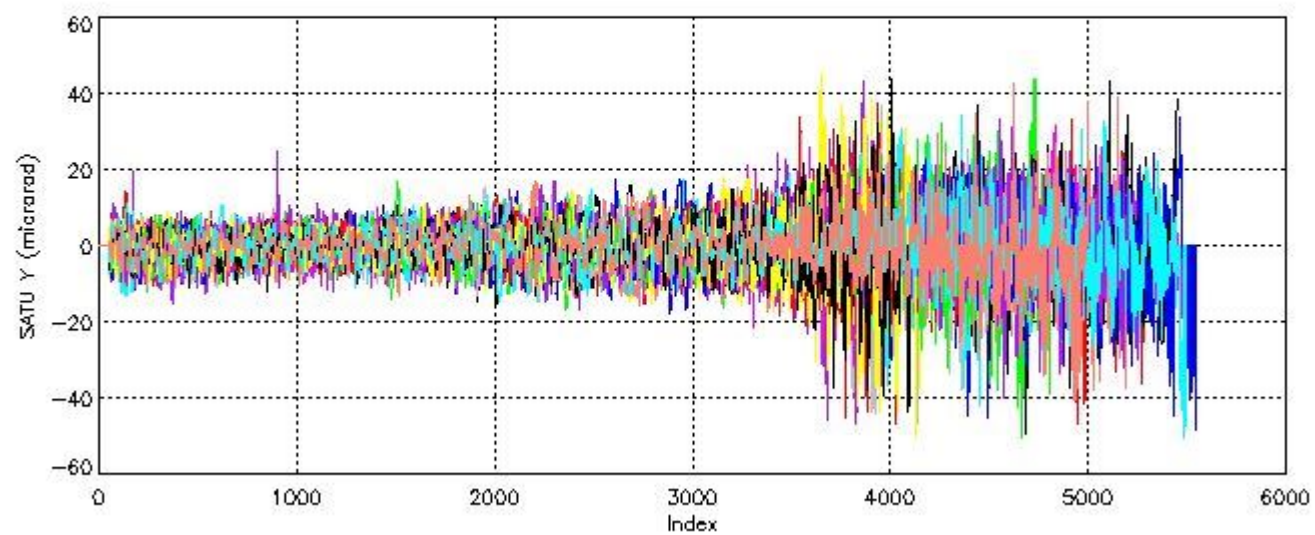
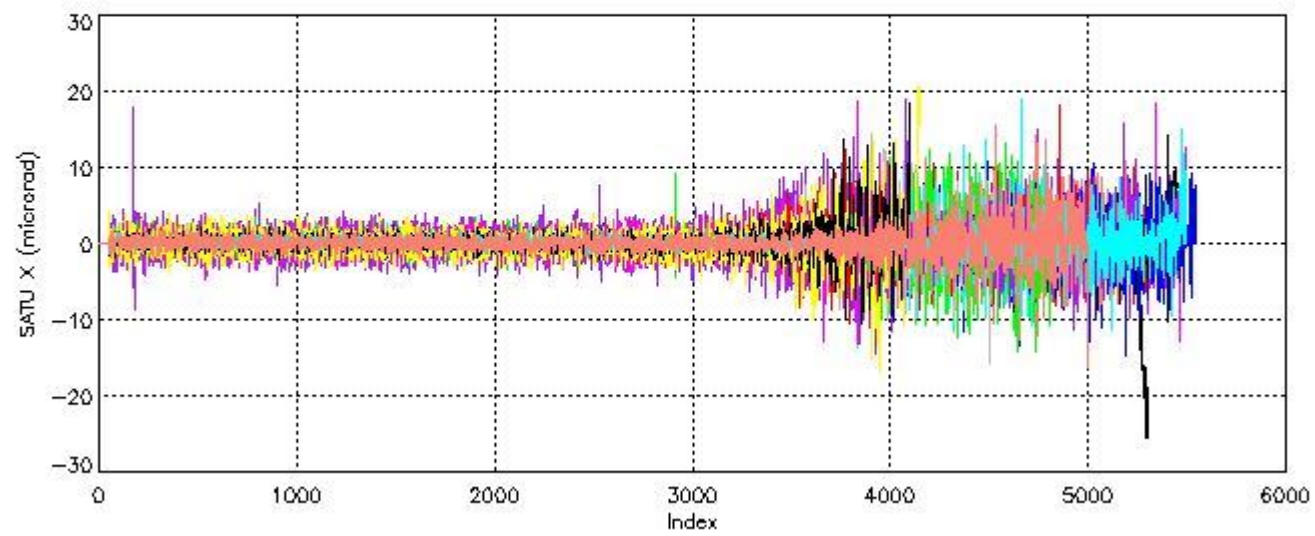


7. Star Acquisition and Tracking Unit (SATU)

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:	0.16250	-0.62800	0.22595	-0.67317
St. deviation:	0.72136	3.3195	0.93115	3.4867
Maximum:	17.900	24.600	6.2000	15.400
Minimum:	-8.6000	-15.400	-5.3000	-15.500

Number of data:	28700.	28700.	59050.	59050.
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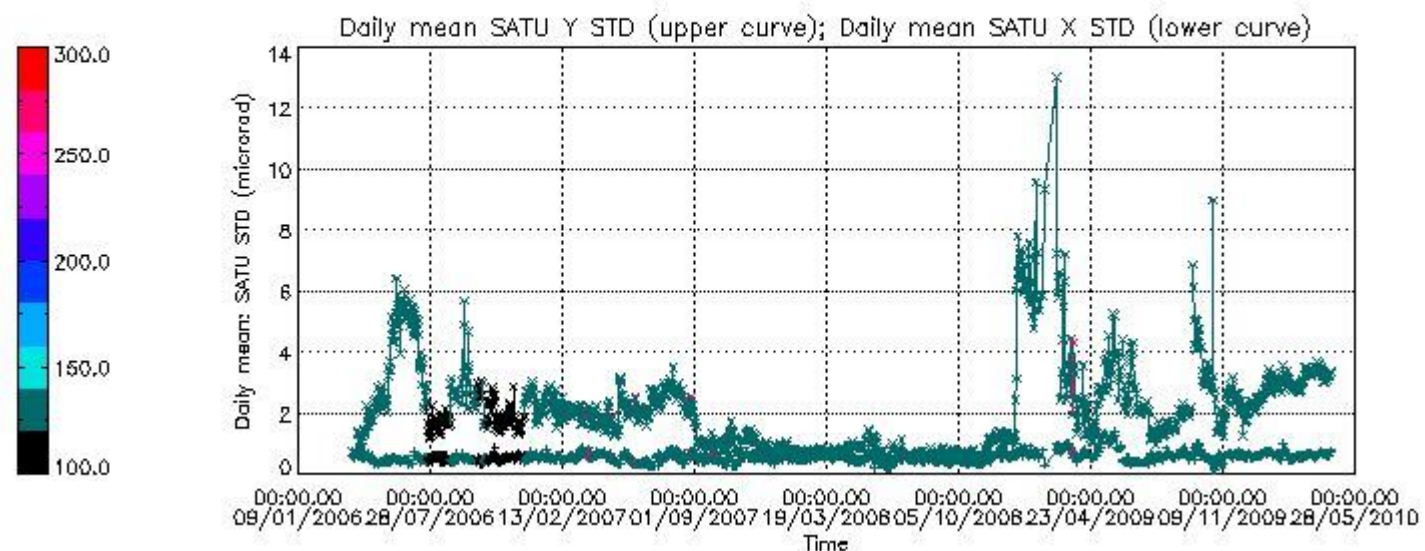
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

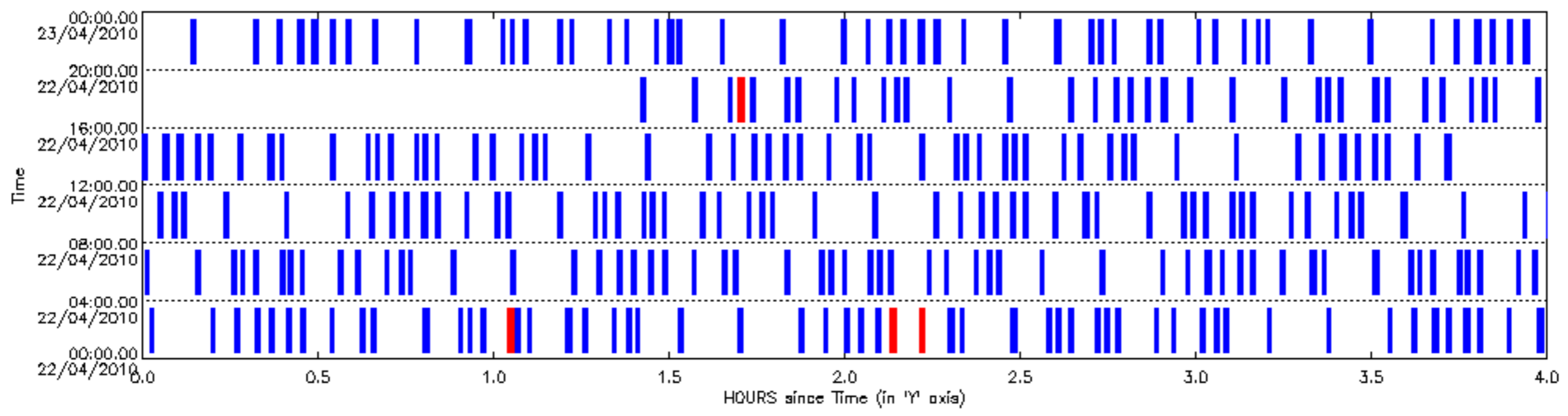
Lower curve: STD of SATU X axis

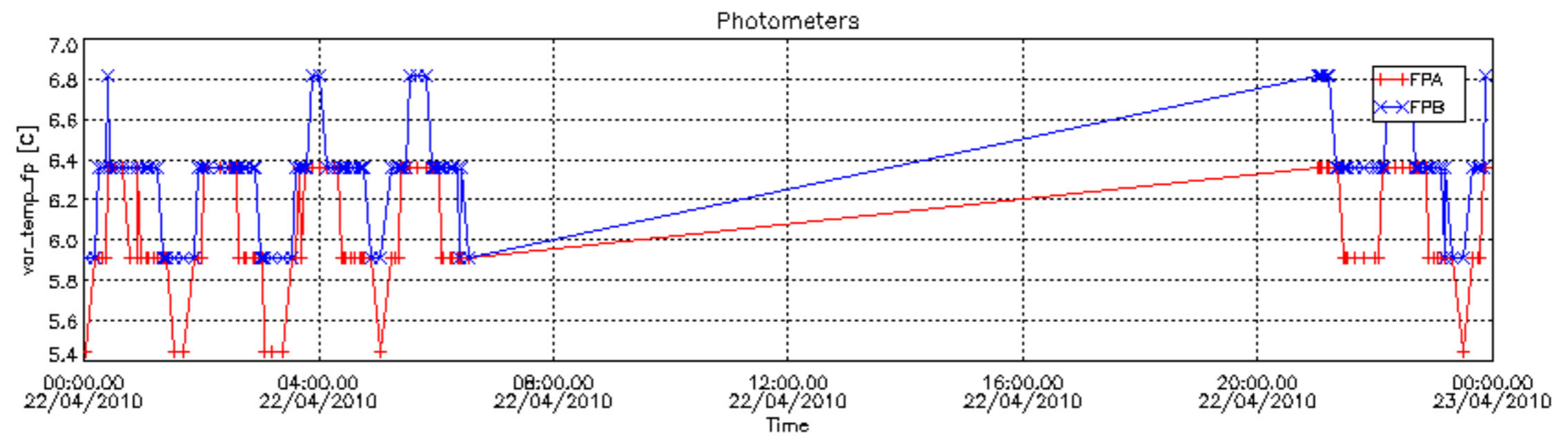
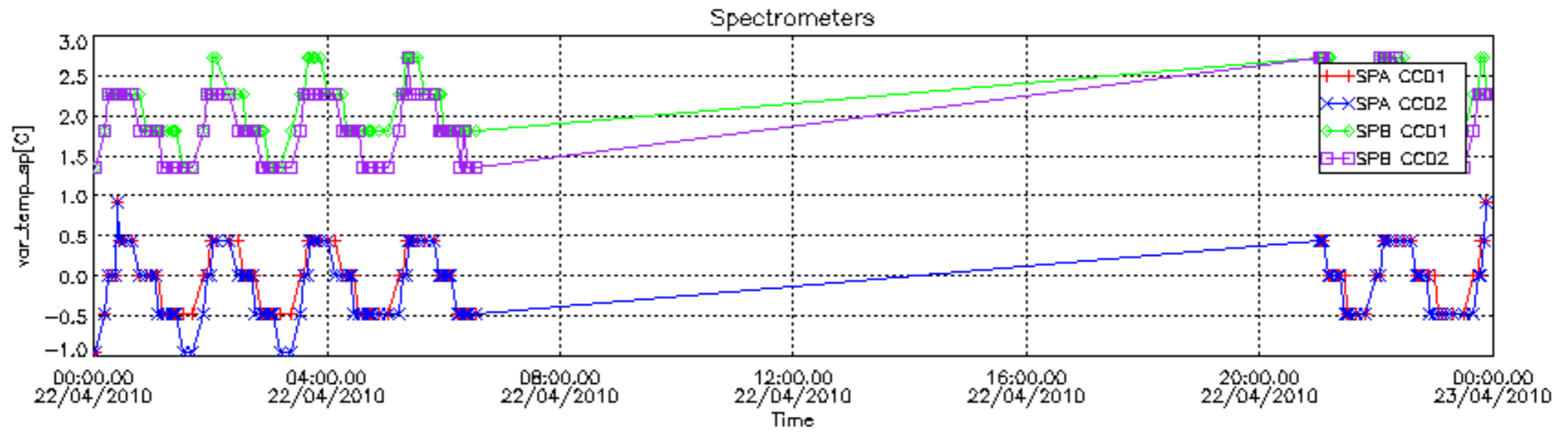


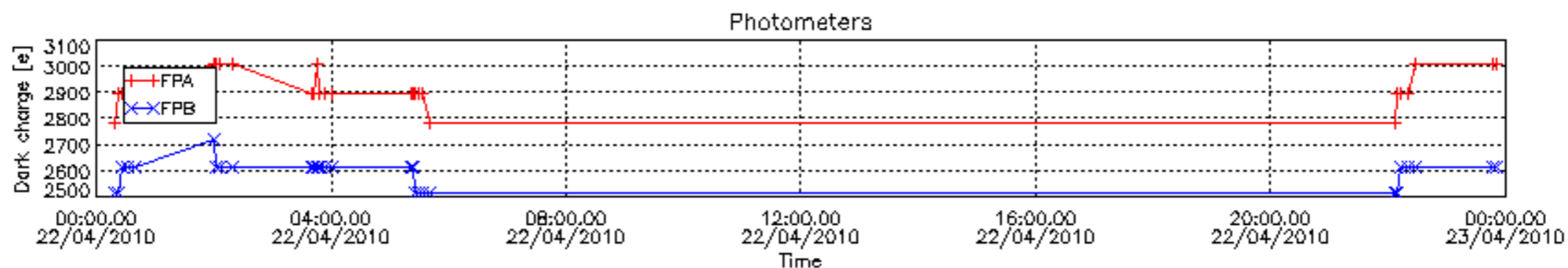
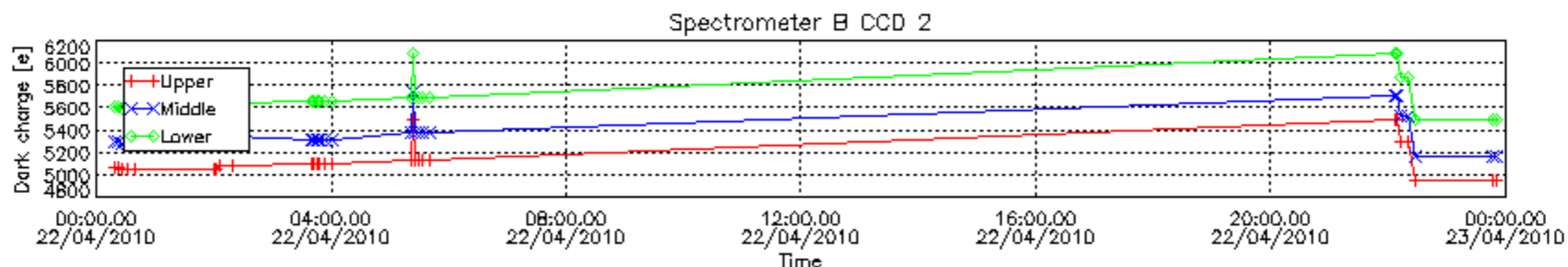
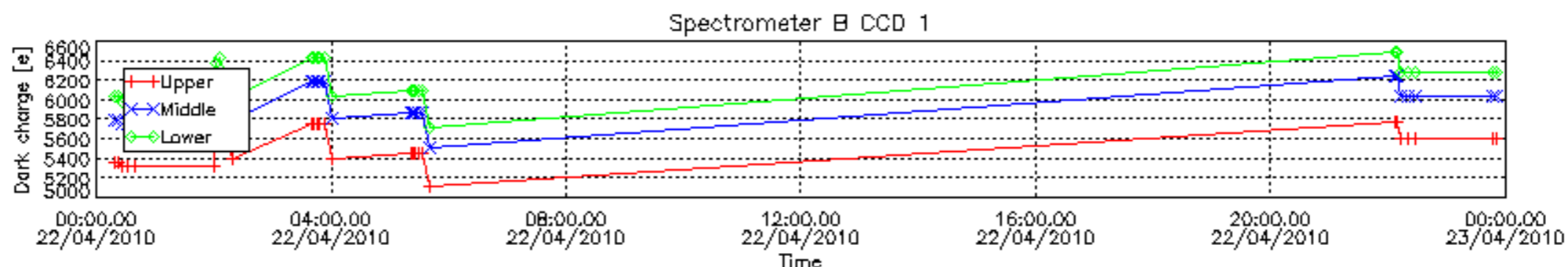
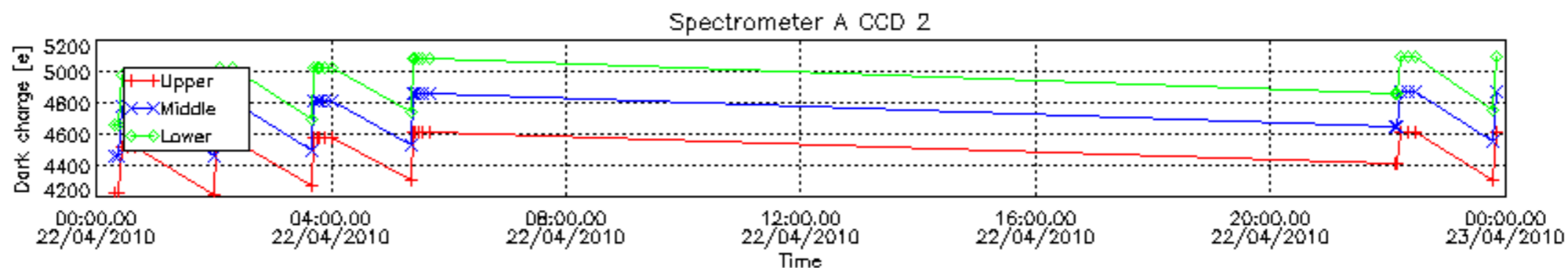
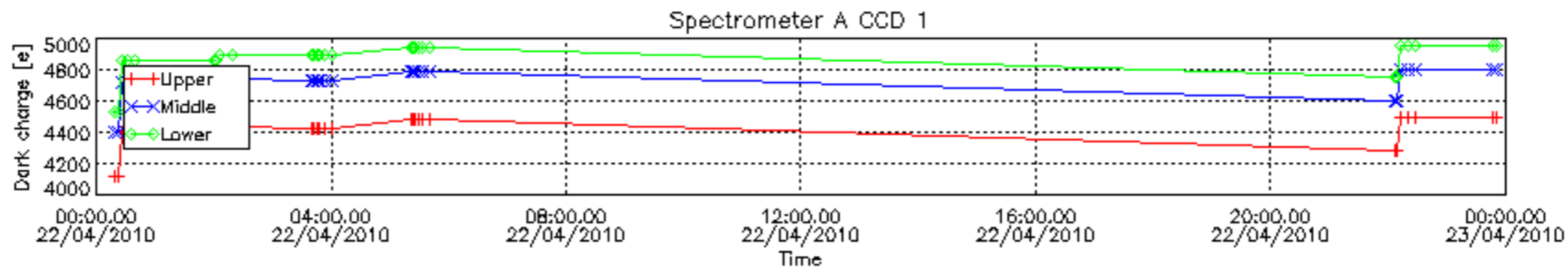
8. Auxiliary Data Files used for the production reported in section 2.4

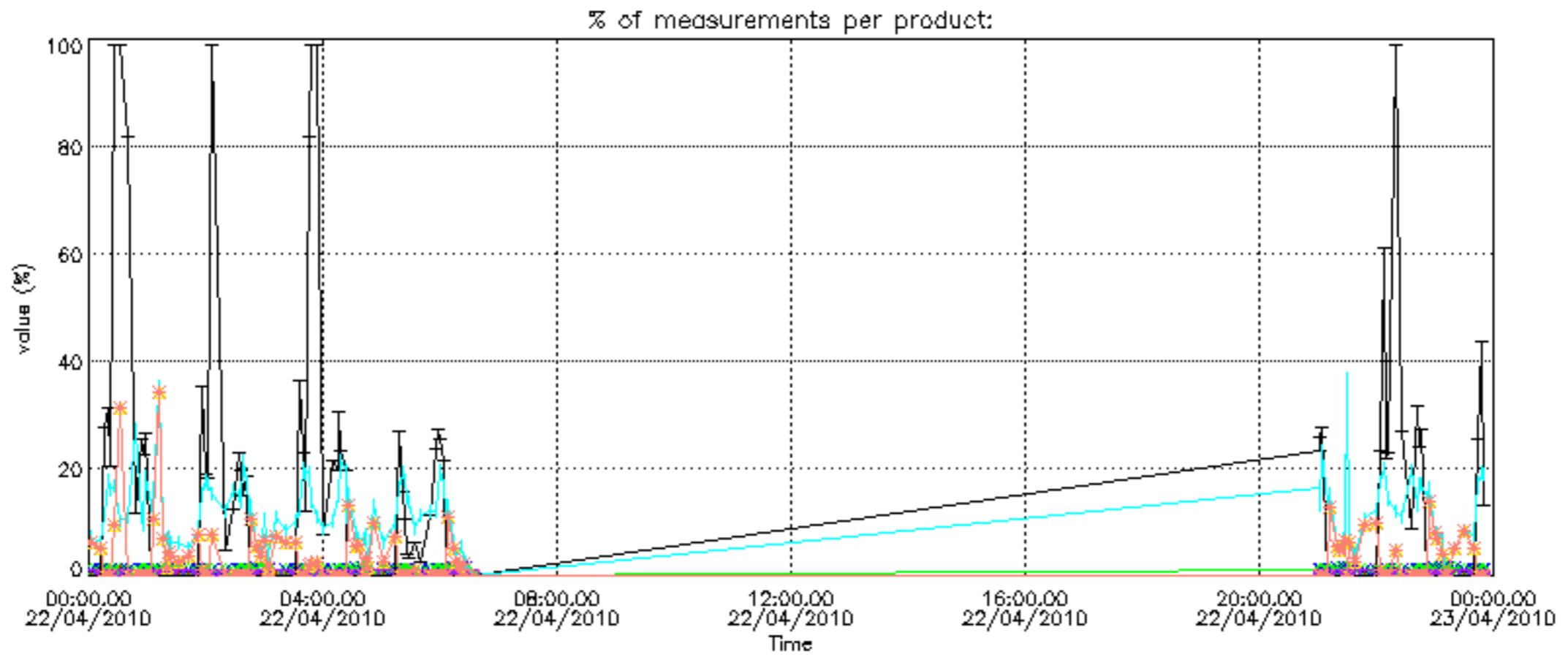
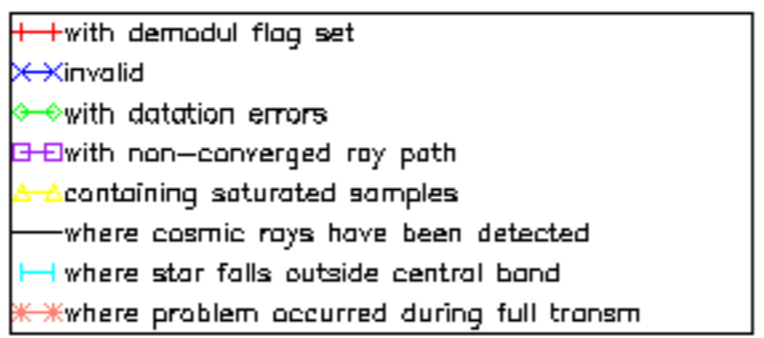
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	22-APR-2010 00:01:10
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100421_081220_20100420_000000_20500101_000000	1	22-APR-2010 00:01:10
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	22-APR-2010 00:01:10
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	22-APR-2010 00:01:10
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	22-APR-2010 00:01:10
ECMWF_FILE	AUX_ECF_AXNECM20100421_054116_20100421_210000_20100422_090000	1	22-APR-2010 00:01:10
ECMWF_FILE	AUX_ECF_AXNECM20100421_172117_20100422_030000_20100422_150000	42	22-APR-2010 03:22:22
ECMWF_FILE	AUX_ECA_AXNECM20100422_052115_20100421_210000_20100422_090000	64	22-APR-2010 05:02:58
ECMWF_FILE	AUX_ECF_AXNECM20100422_054117_20100422_210000_20100423_090000	86	22-APR-2010 21:01:10
OPTIONAL_ECMWF_FILE	MISSING	1	22-APR-2010 00:01:10
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100421_224304_000057382088_00430_42568_0205.N1	1	22-APR-2010 00:01:10
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100422_002401_000054192088_00431_42569_0206.N1	6	22-APR-2010 00:24:37
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100422_015939_000041442088_00432_42570_0207.N1	27	22-APR-2010 02:05:14
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100421_100117_20100420_182638_20100430_213326	42	22-APR-2010 03:22:22
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100422_045459_000057382088_00434_42572_0209.N1	64	22-APR-2010 05:02:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100422_205640_000041442088_00444_42582_0210.N1	86	22-APR-2010 21:01:10
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100422_221103_000057382088_00444_42582_0211.N1	102	22-APR-2010 22:12:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100422_235200_000057382088_00445_42583_0212.N1	122	22-APR-2010 23:53:12

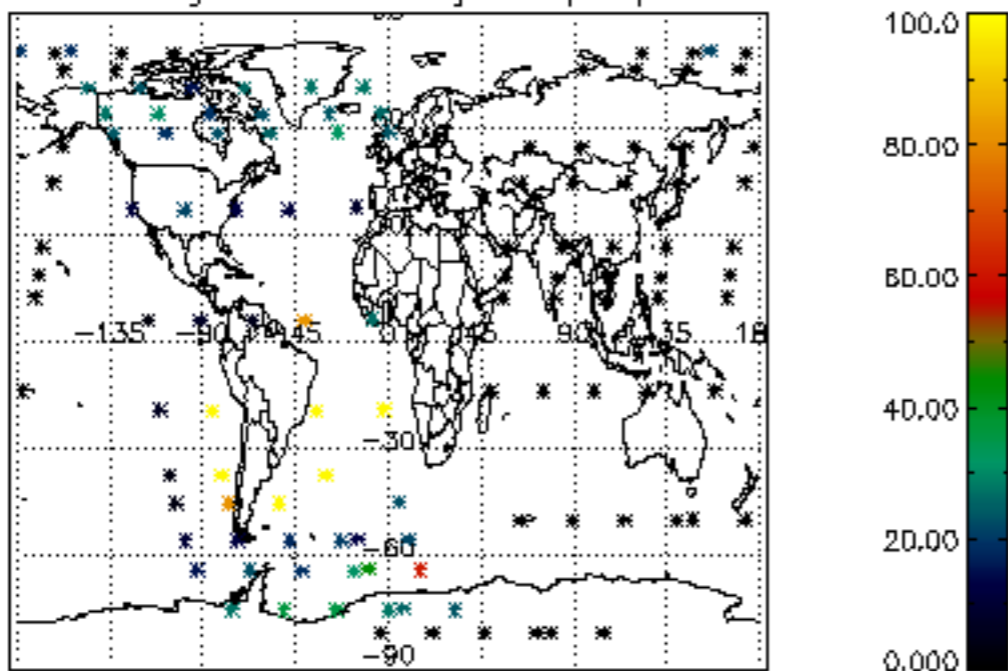




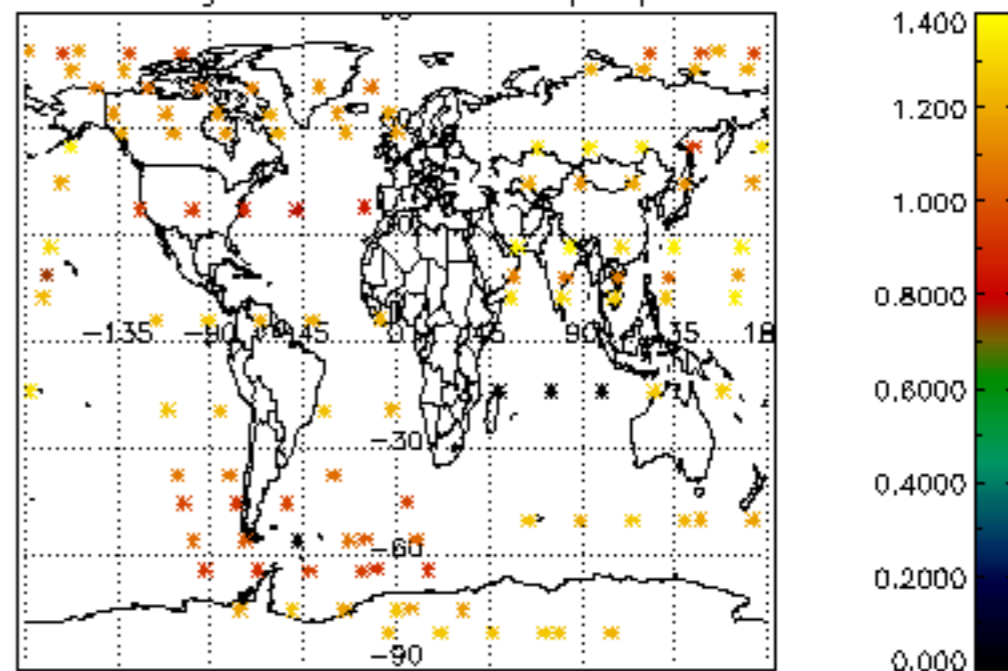




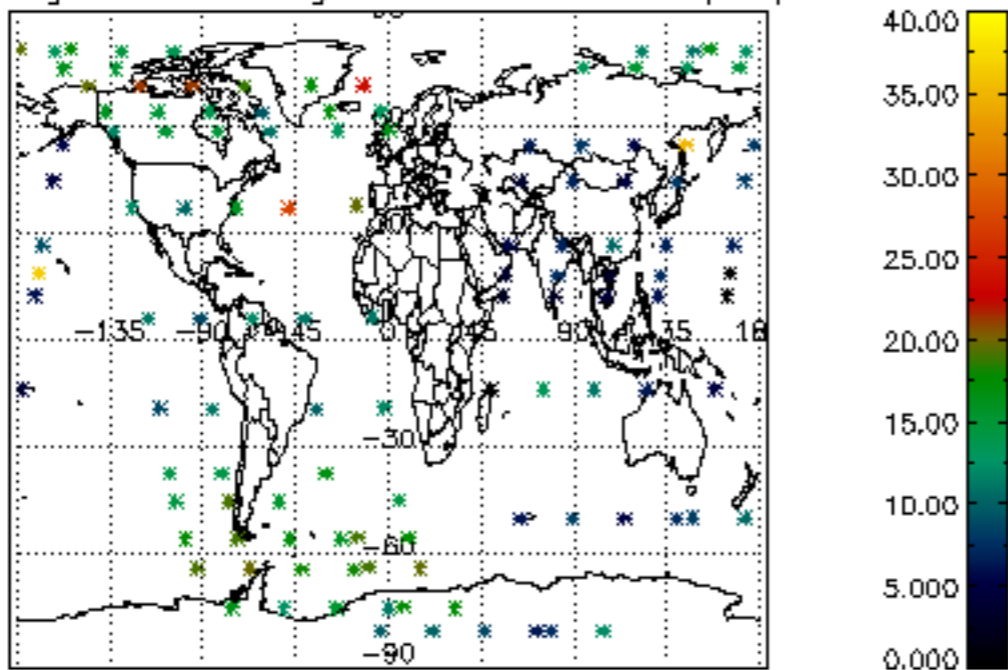
Percentage of cosmic ray hits per profile



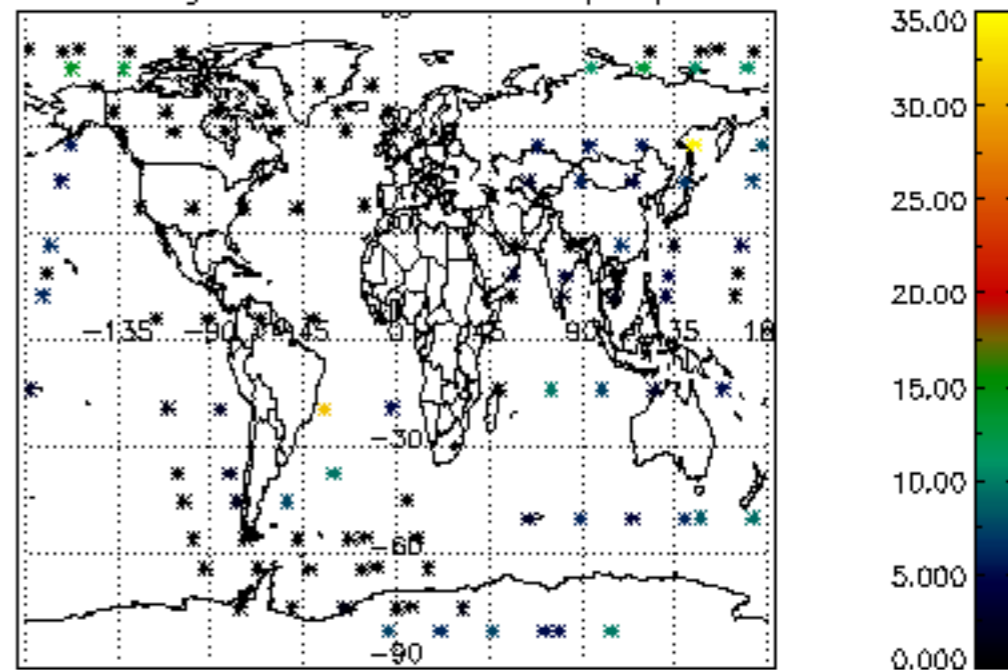
Percentage of datation errors per profile



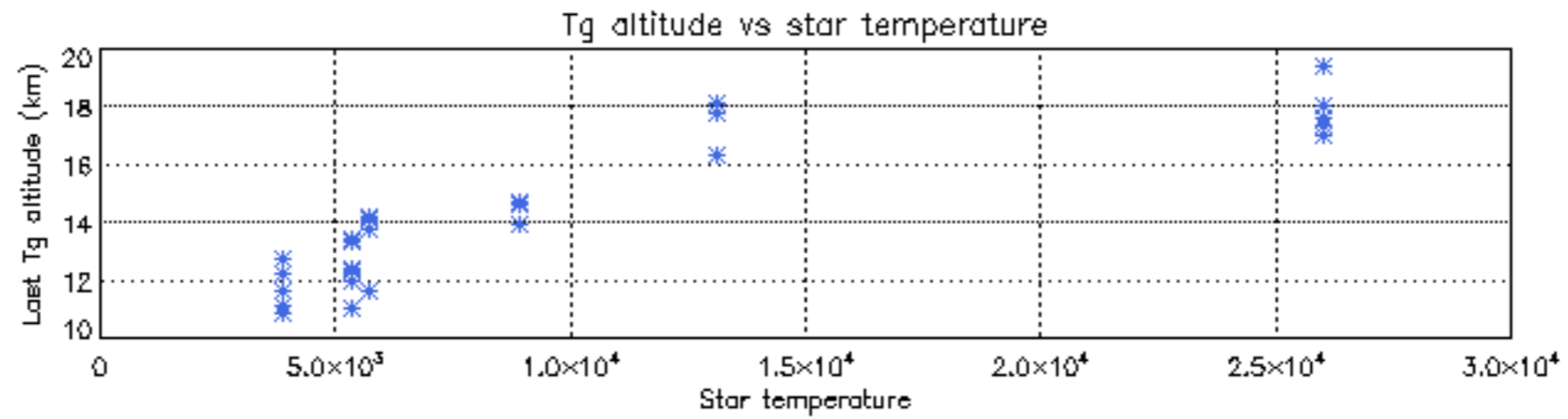
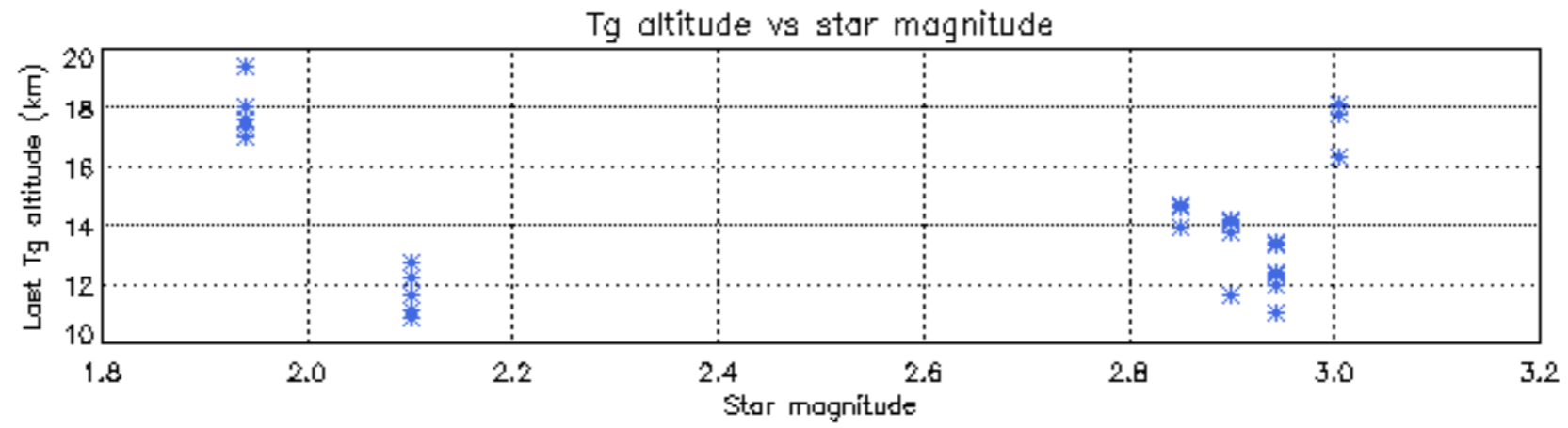
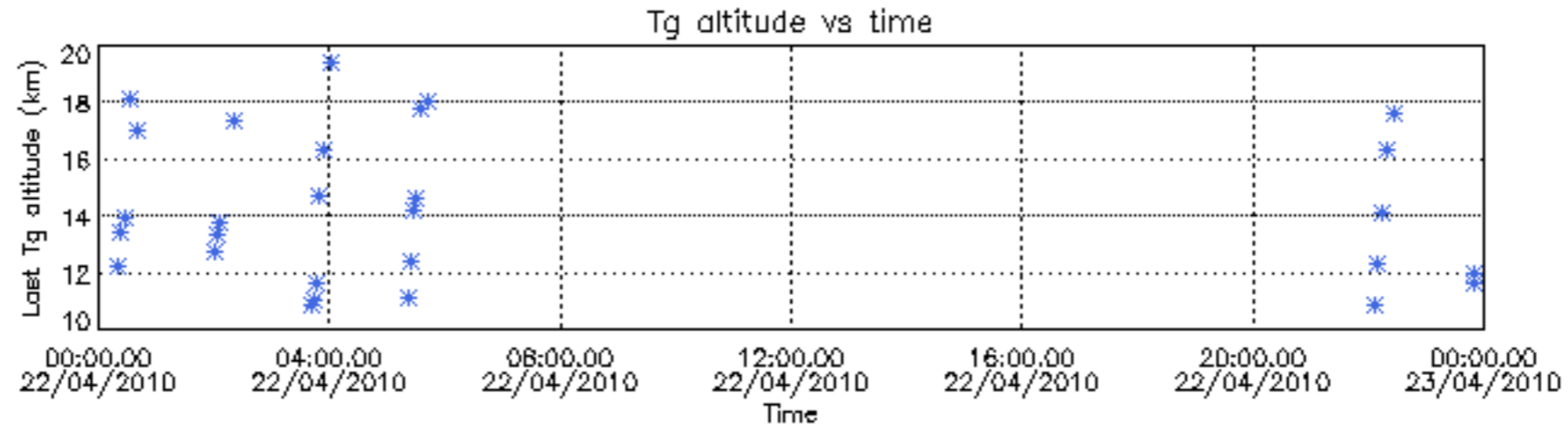
Percentage of star falling outside central band per profile



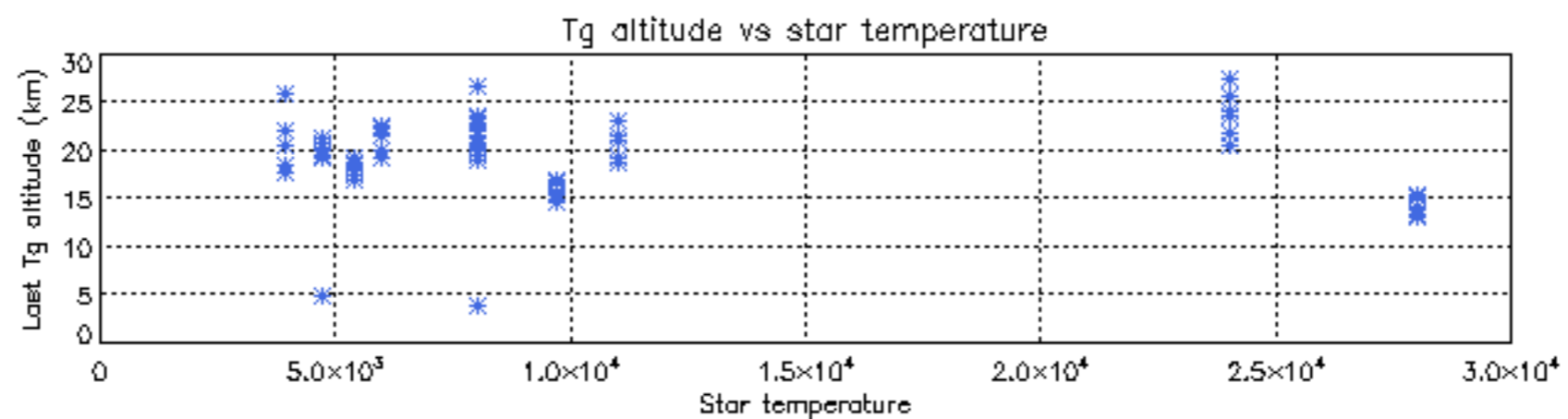
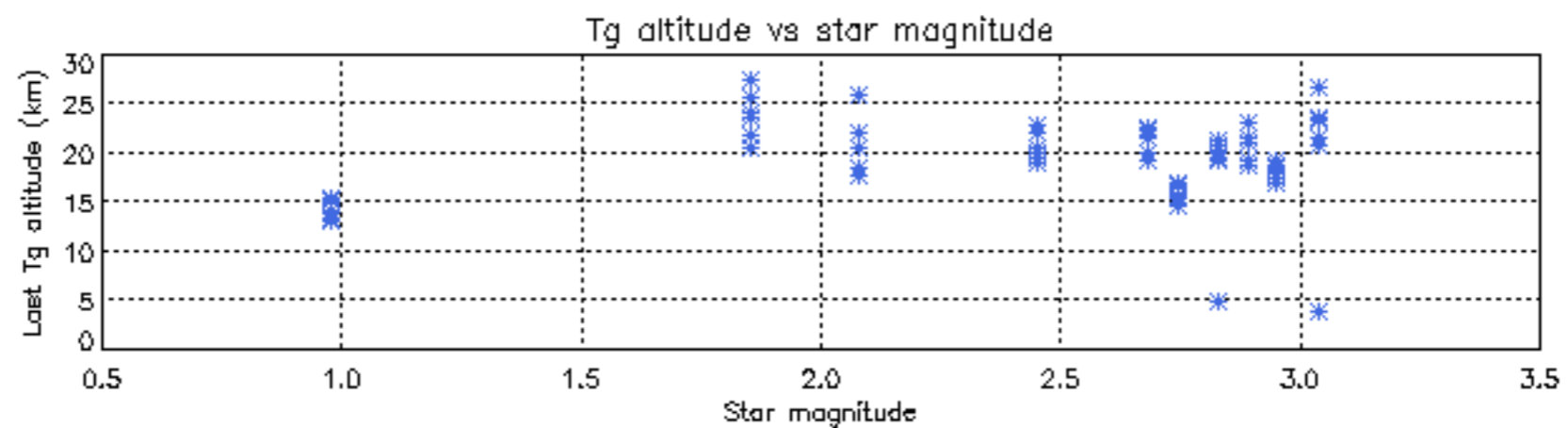
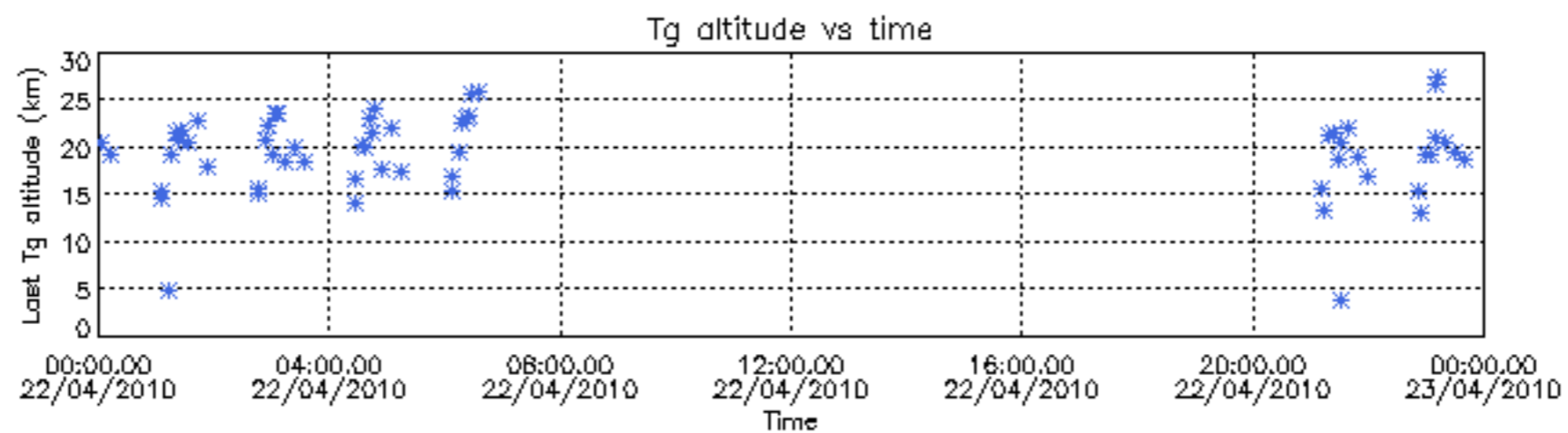
Percentage of saturation errors per profile

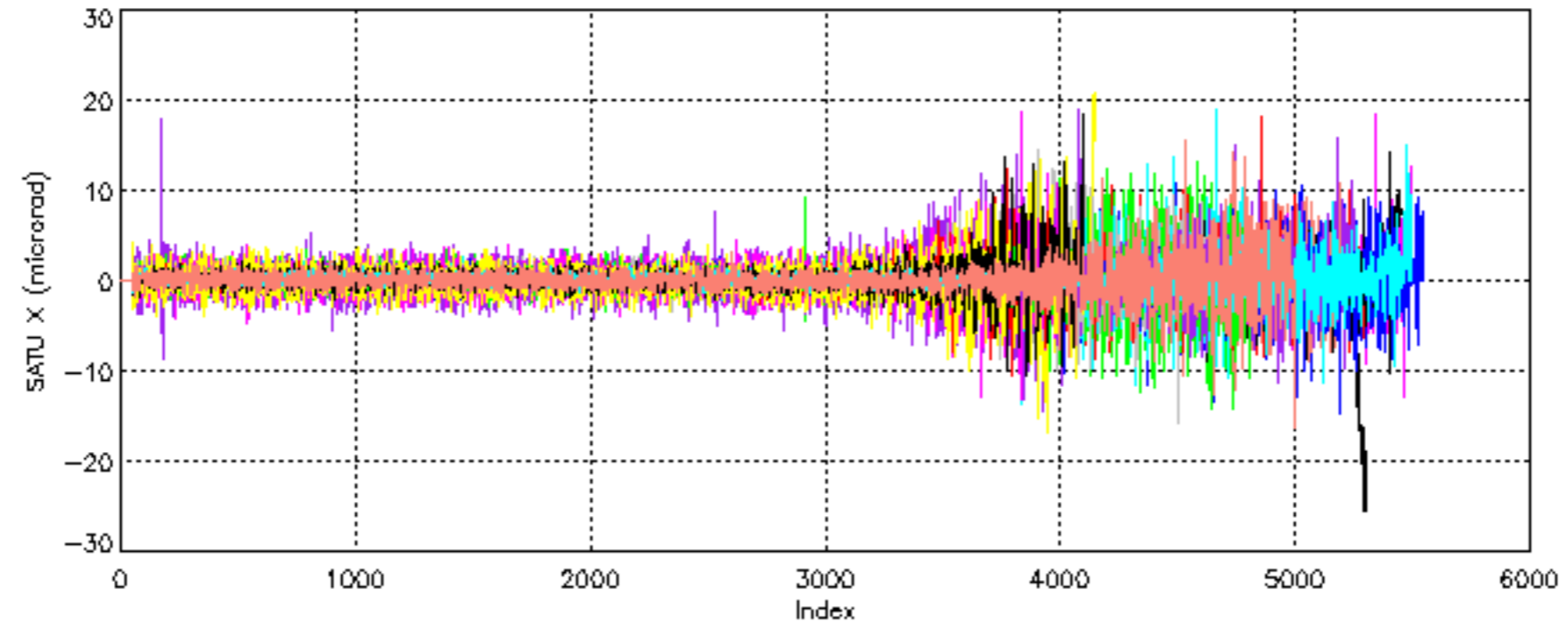


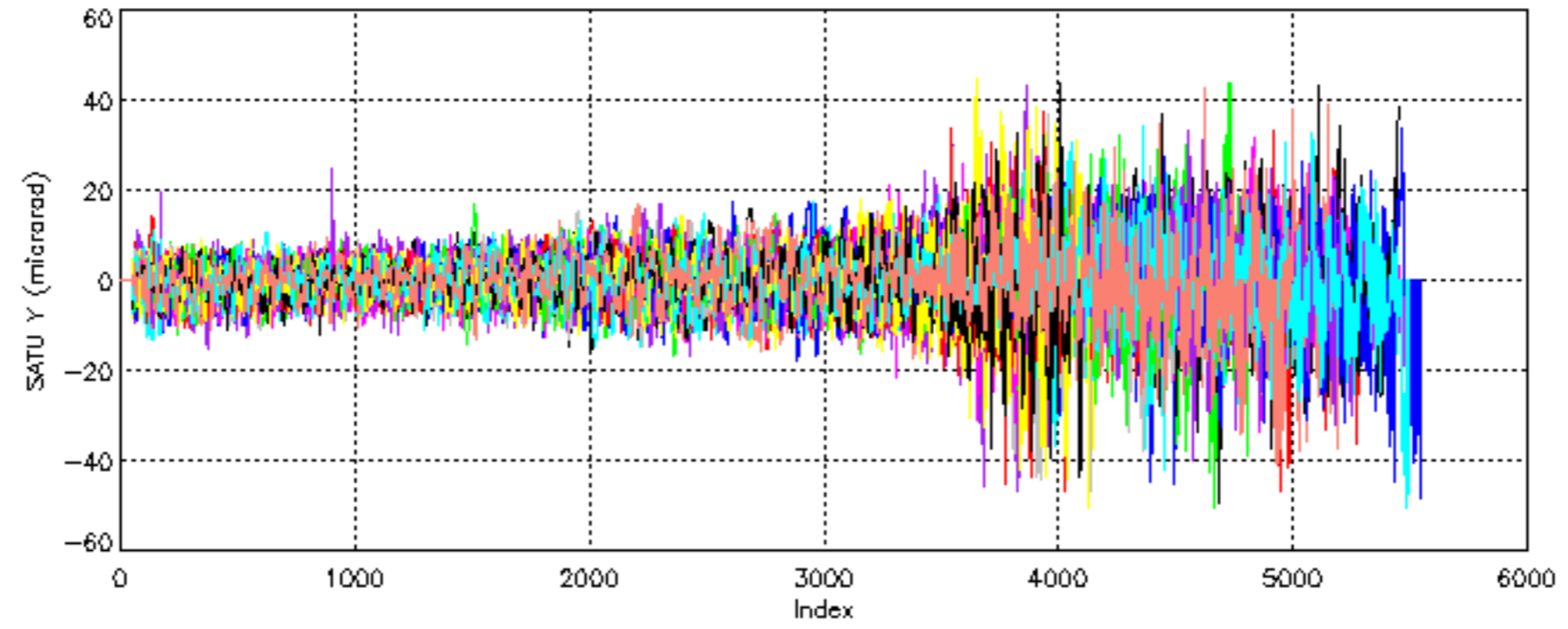
Tangent altitude at which the star is lost

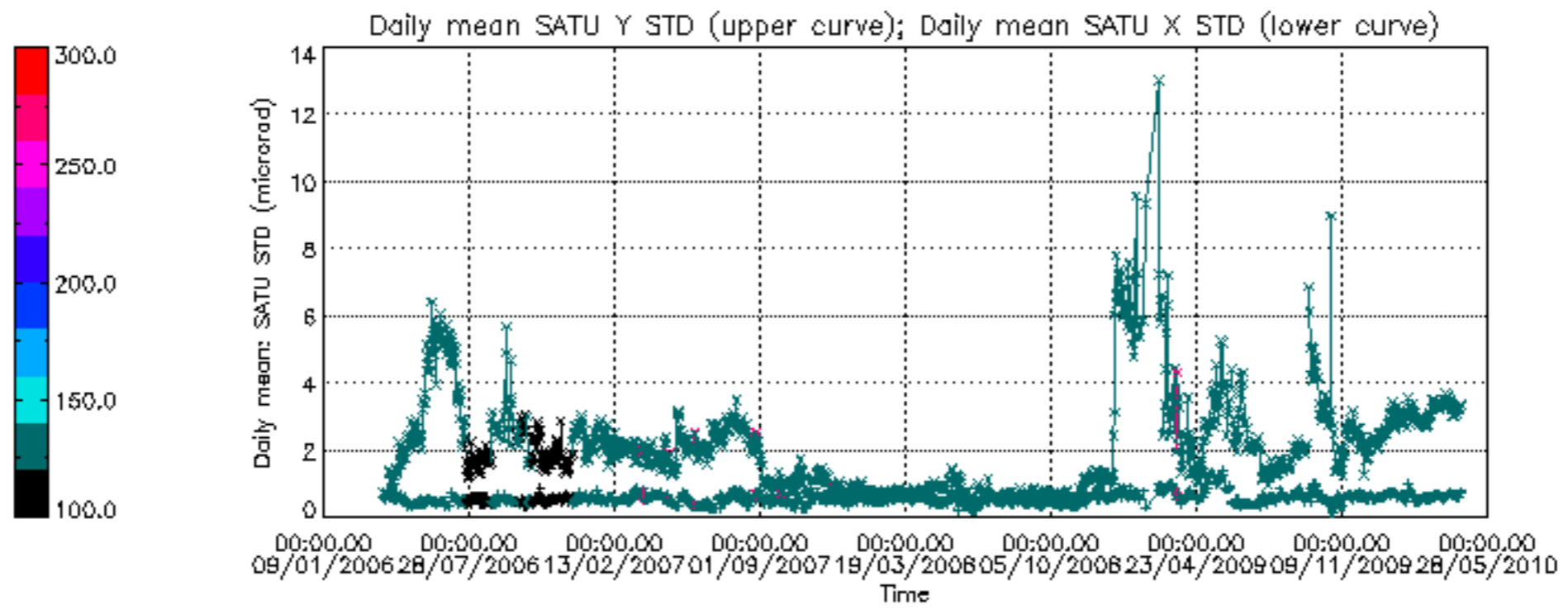


Tangent altitude at which the star is lost









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1; -315.4; 01-APR-2010 01:32:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42269
 2; 65.0; 01-APR-2010 01:38:53; Dark ; 57.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 114; 0;42270
 3; 293.1; 01-APR-2010 01:42:41; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42270
 4; 515.4; 01-APR-2010 01:46:23; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;42270
 5; 673.7; 01-APR-2010 01:49:02; Dark ; 54.5; 4; Alp1Cen ;-0.01; 5800;occ; 109; 0;42270
 6; 838.3; 01-APR-2010 01:51:46; Dark ; 45.5; 78; Alp Lup ; 2.30; 28000;occ; 91; 0;42270
 7; 934.5; 01-APR-2010 01:53:23; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;42270
 8; 1098.8; 01-APR-2010 01:56:07; Dark ; 51.5; 54; 5The Cen ; 2.06; 4500;occ; 103; 0;42270
 9; 1459.8; 01-APR-2010 02:02:08; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;42270
 10; 1577.7; 01-APR-2010 02:04:06; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;42270
 11; 1883.4; 01-APR-2010 02:09:11; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;42270
 12; 2160.8; 01-APR-2010 02:13:49; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42270
 13; 2256.9; 01-APR-2010 02:15:25; Bright; 37.0; 96; 68Del Leo ; 2.56; 9300;occ; 74; 0;42270
 14; 2666.4; 01-APR-2010 02:22:15; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;42270
 15; 2848.5; 01-APR-2010 02:25:17; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42270
 16; 2958.0; 01-APR-2010 02:27:06; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;42270
 17; 3338.3; 01-APR-2010 02:33:26; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42270

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100401_024250_000055142088_00132_42270_9780.N1

1; -2133.9; 01-APR-2010 02:42:50; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;42270
 2; -1836.2; 01-APR-2010 02:47:48; Bright; 43.5; 144; 18Del Cyg ; 2.86; 11000;occ; 87; 0;42270
 3; -1723.2; 01-APR-2010 02:49:41; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;42270
 4; -1601.7; 01-APR-2010 02:51:42; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;42270
 5; -314.5; 01-APR-2010 03:13:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42270
 6; -148.2; 01-APR-2010 03:15:56; Dark ; 55.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 111; 0;42270
 7; 66.3; 01-APR-2010 03:19:30; Dark ; 53.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 107; 0;42271
 8; 294.5; 01-APR-2010 03:23:18; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42271
 9; 515.9; 01-APR-2010 03:27:00; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42271
 10; 674.2; 01-APR-2010 03:29:38; Dark ; 52.5; 4; Alp1Cen ;-0.01; 5800;occ; 105; 0;42271
 11; 839.0; 01-APR-2010 03:32:23; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;42271
 12; 935.3; 01-APR-2010 03:33:59; Dark ; 50.0; 81; Eta Cen ; 2.36; 28000;occ; 100; 0;42271
 13; 1099.5; 01-APR-2010 03:36:44; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;42271
 14; 1460.1; 01-APR-2010 03:42:44; Dark ; 47.5; 106; 9Bet Crv ; 2.65; 5600;occ; 95; 0;42271
 15; 1578.0; 01-APR-2010 03:44:42; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;42271
 16; 1883.1; 01-APR-2010 03:49:47; Bright; 44.5; 121; 29Gam Vir ; 2.74; 7200;occ; 89; 0;42271
 17; 2160.7; 01-APR-2010 03:54:25; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;42271
 18; 2257.1; 01-APR-2010 03:56:01; Bright; 37.0; 96; 68Del Leo ; 2.56; 9300;occ; 74; 0;42271
 19; 2666.3; 01-APR-2010 04:02:50; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;42271
 20; 2848.4; 01-APR-2010 04:05:52; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;42271
 21; 2957.9; 01-APR-2010 04:07:42; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;42271
 22; 3338.0; 01-APR-2010 04:14:02; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;42271

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1; -2134.0; 01-APR-2010 04:23:26; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;42271
 2; -1836.3; 01-APR-2010 04:28:24; Bright; 46.5; 144; 18Del Cyg ; 2.86; 11000;occ; 93; 0;42271
 3; -1723.1; 01-APR-2010 04:30:17; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;42271
 4; -1601.9; 01-APR-2010 04:32:18; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;42271
 5; -313.7; 01-APR-2010 04:53:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42271
 6; -146.6; 01-APR-2010 04:56:33; Dark ; 55.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 111; 0;42271
 7; 67.5; 01-APR-2010 05:00:08; Dark ; 55.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 111; 0;42272
 8; 295.5; 01-APR-2010 05:03:56; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42272
 9; 516.4; 01-APR-2010 05:07:36; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42272
 10; 674.7; 01-APR-2010 05:10:15; Dark ; 41.0; 4; Alp1Cen ;-0.01; 5800;occ; 82; 0;42272
 11; 839.6; 01-APR-2010 05:13:00; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;42272
 12; 935.6; 01-APR-2010 05:14:36; Dark ; 47.0; 81; Eta Cen ; 2.36; 28000;occ; 94; 0;42272
 13; 1100.1; 01-APR-2010 05:17:20; Dark ; 52.5; 54; 5The Cen ; 2.06; 4500;occ; 105; 0;42272
 14; 1460.3; 01-APR-2010 05:23:20; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;42272
 15; 1578.2; 01-APR-2010 05:25:18; Dark ; 42.5; 100; 4Gam Crv ; 2.58; 13100;occ; 85; 0;42272
 16; 1688.2; 01-APR-2010 05:27:08; Dark ; 29.0; 15; 67Alp Vir ; 0.98; 28000;occ; 58; 0;42272
 17; 1883.0; 01-APR-2010 05:30:23; Bright; 45.5; 121; 29Gam Vir ; 2.74; 7200;occ; 91; 0;42272
 18; 2160.5; 01-APR-2010 05:35:01; Bright; 39.5; 62; 94Bet Leo ; 2.14; 9700;occ; 79; 0;42272
 19; 2257.0; 01-APR-2010 05:36:37; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;42272
 20; 2666.3; 01-APR-2010 05:43:26; Bright; 38.0; 174; 52Psi UMa ; 3.00; 4400;occ; 76; 0;42272
 21; 2848.4; 01-APR-2010 05:46:28; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42272
 22; 2958.0; 01-APR-2010 05:48:18; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;42272
 23; 3337.6; 01-APR-2010 05:54:38; Bright; 57.5; 60; 7Bet UMi ; 2.08; 3950;occ; 115; 0;42272

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100401_202005_000042072088_00143_42281_9782.N1

1; 941.5; 01-APR-2010 20:20:05; Dark ; 46.5; 81; Eta Cen ; 2.36; 28000;occ; 93; 0;42281
 2; 1104.6; 01-APR-2010 20:22:48; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;42281

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3; 1462.1; 01-APR-2010 20:28:46; Dark ; 45.0; 106; 9Bet Crv ; 2.65; 5600;occ; 90; 0;42281
4; 1579.6; 01-APR-2010 20:30:43; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;42281
5; 1688.0; 01-APR-2010 20:32:31; Dark ; 54.0; 15; 67Alp Vir ; 0.98; 28000;occ; 108; 0;42281
6; 1882.1; 01-APR-2010 20:35:46; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;42281
7; 2159.5; 01-APR-2010 20:40:23; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42281
8; 2665.5; 01-APR-2010 20:48:49; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;42281
9; 2846.1; 01-APR-2010 20:51:49; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;42281
10; 2959.3; 01-APR-2010 20:53:43; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;42281
11; 3334.8; 01-APR-2010 20:59:58; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;42281
12; 3901.3; 01-APR-2010 21:09:25; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;42281
13; 4198.0; 01-APR-2010 21:14:21; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;42281
14; 4312.8; 01-APR-2010 21:16:16; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42281
15; 4435.5; 01-APR-2010 21:18:19; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;42281
16; 4829.5; 01-APR-2010 21:24:53; Dark ; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;42281
17; 5105.6; 01-APR-2010 21:29:29; Dark ; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;42281
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3; 80.8; 01-APR-2010 21:46:20; Dark ; 56.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 112; 0;42282
4; 306.4; 01-APR-2010 21:50:06; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;42282
5; 521.6; 01-APR-2010 21:53:41; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;42282
6; 679.4; 01-APR-2010 21:56:19; Dark ; 53.0; 4; Alp1Cen ; -0.01; 5800;occ; 106; 0;42282
7; 845.9; 01-APR-2010 21:59:05; Dark ; 48.0; 78; Alp Lup ; 2.30; 28000;occ; 96; 0;42282
8; 942.1; 01-APR-2010 22:00:41; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;42282
9; 1105.1; 01-APR-2010 22:03:24; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;42282
10; 1462.2; 01-APR-2010 22:09:21; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;42282
11; 1579.6; 01-APR-2010 22:11:19; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42282
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13; 1881.8; 01-APR-2010 22:16:21; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;42282
14; 2159.5; 01-APR-2010 22:20:59; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 81; 0;42282
15; 2665.8; 01-APR-2010 22:29:25; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;42282
16; 2845.9; 01-APR-2010 22:32:25; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;42282
17; 2954.9; 01-APR-2010 22:34:14; Bright; 43.0; 32; 77Eps UMa ; 1.76; 11000;occ; 86; 0;42282
18; 3334.4; 01-APR-2010 22:40:34; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;42282
19; 3901.3; 01-APR-2010 22:50:01; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;42282
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21; 4312.8; 01-APR-2010 22:56:52; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42282
22; 4435.4; 01-APR-2010 22:58:55; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;42282
23; 4829.9; 01-APR-2010 23:05:29; Dark ; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;42282
24; 5106.4; 01-APR-2010 23:10:06; Dark ; 41.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 83; 0;42282
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2; -131.7; 01-APR-2010 23:23:23; Dark ; 36.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 72; 0;42282
3; 82.4; 01-APR-2010 23:26:58; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;42283
4; 307.6; 01-APR-2010 23:30:43; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42283
5; 522.1; 01-APR-2010 23:34:17; Dark ; 40.0; 134; Bet TrA ; 2.81; 6600;occ; 80; 0;42283
6; 680.0; 01-APR-2010 23:36:55; Dark ; 44.5; 4; Alp1Cen ; -0.01; 5800;occ; 89; 0;42283
7; 846.3; 01-APR-2010 23:39:41; Dark ; 46.0; 78; Alp Lup ; 2.30; 28000;occ; 92; 0;42283
8; 942.9; 01-APR-2010 23:41:18; Dark ; 46.5; 81; Eta Cen ; 2.36; 28000;occ; 93; 0;42283
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10; 1462.5; 01-APR-2010 23:49:58; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;42283
11; 1579.8; 01-APR-2010 23:51:55; Dark ; 44.5; 100; 4Gam Crv ; 2.58; 13100;occ; 89; 0;42283
12; 1687.6; 01-APR-2010 23:53:43; Dark ; 60.0; 15; 67Alp Vir ; 0.98; 28000;occ; 120; 0;42283
13; 1881.7; 01-APR-2010 23:56:57; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;42283
14; 2159.6; 02-APR-2010 00:01:35; Bright; 39.5; 62; 94Bet Leo ; 2.14; 9700;occ; 79; 0;42283
15; 2665.6; 02-APR-2010 00:10:01; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;42283
16; 2845.7; 02-APR-2010 00:13:01; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42283
17; 2954.5; 02-APR-2010 00:14:50; Bright; 42.5; 32; 77Eps UMa ; 1.76; 11000;occ; 85; 0;42283
18; 3334.0; 02-APR-2010 00:21:09; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;42283
19; 3901.1; 02-APR-2010 00:30:36; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;42283
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21; 4312.7; 02-APR-2010 00:37:28; Bright; 45.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 90; 0;42283
22; 4435.6; 02-APR-2010 00:39:31; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;42283
23; 4830.0; 02-APR-2010 00:46:05; Dark ; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;42283
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5; -312.9; 01-APR-2010 06:34:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42272
6; -145.3; 01-APR-2010 06:37:11; Dark ; 59.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 119; 0;42272
7; 69.4; 01-APR-2010 06:40:45; Dark ; 53.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 107; 0;42273
8; 296.4; 01-APR-2010 06:44:32; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42273
9; 517.0; 01-APR-2010 06:48:13; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42273
10; 675.4; 01-APR-2010 06:50:51; Dark ; 48.5; 4; Alp1Cen ; -0.01; 5800;occ; 97; 0;42273
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13; 1100.6; 01-APR-2010 06:57:57; Dark ; 53.5; 54; 5The Cen ; 2.06; 4500;occ; 107; 0;42273
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15; 1578.5; 01-APR-2010 07:05:55; Dark ; 42.5; 100; 4Gam Crv ; 2.58; 13100;occ; 85; 0;42273
16; 1688.4; 01-APR-2010 07:07:44; Dark ; 28.5; 15; 67Alp Vir ; 0.98; 28000;occ; 57; 0;42273

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2; 1883.2; 01-APR-2010 07:10:59; Bright; 44.5; 121; 29Gam Vir ; 2.74; 7200;occ; 89; 0;42273
3; 2160.3; 01-APR-2010 07:15:36; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 80; 0;42273
4; 2257.0; 01-APR-2010 07:17:13; Bright; 36.0; 96; 68Del Leo ; 2.56; 9300;occ; 72; 0;42273
5; 2666.2; 01-APR-2010 07:24:02; Bright; 35.5; 174; 52Psi UMa ; 3.00; 4400;occ; 71; 0;42273
6; 2848.1; 01-APR-2010 07:27:04; Bright; 40.0; 87; 64Gam UMa ; 2.43; 11000;occ; 80; 0;42273
7; 2957.7; 01-APR-2010 07:28:54; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;42273
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9; 3902.0; 01-APR-2010 07:44:38; Bright; 54.0; 89; 5Alp Cep ; 2.45; 8000;occ; 108; 0;42273
10; 4199.1; 01-APR-2010 07:49:35; Bright; 47.5; 144; 18Del Cyg ; 2.86; 11000;occ; 95; 0;42273
11; 4312.8; 01-APR-2010 07:51:29; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;42273
12; 4434.4; 01-APR-2010 07:53:30; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;42273
13; 5723.8; 01-APR-2010 08:15:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42273
14; 5891.9; 01-APR-2010 08:17:48; Dark ; 55.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 111; 0;42273
15; 6106.7; 01-APR-2010 08:21:23; Dark ; 51.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 103; 0;42274
16; 6333.5; 01-APR-2010 08:25:09; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;42274
17; 6553.4; 01-APR-2010 08:28:49; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;42274
18; 6711.8; 01-APR-2010 08:31:28; Dark ; 53.5; 4; Alp1Cen ; -0.01; 5800;occ; 107; 0;42274
19; 6876.8; 01-APR-2010 08:34:13; Dark ; 48.5; 78; Alp Lup ; 2.30; 28000;occ; 97; 0;42274
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21; 7136.9; 01-APR-2010 08:38:33; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;42274
22; 7496.6; 01-APR-2010 08:44:33; Dark ; 45.5; 106; 9Bet Crv ; 2.65; 5600;occ; 91; 0;42274
23; 7614.5; 01-APR-2010 08:46:30; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42274
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2; 1882.9; 01-APR-2010 08:51:35; Bright; 44.5; 121; 29Gam Vir ; 2.74; 7200;occ; 89; 0;42274
3; 2160.4; 01-APR-2010 08:56:12; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 81; 0;42274
4; 2666.1; 01-APR-2010 09:04:38; Bright; 36.5; 174; 52Psi UMa ; 3.00; 4400;occ; 73; 0;42274
5; 2847.7; 01-APR-2010 09:07:40; Bright; 39.0; 87; 64Gam UMa ; 2.43; 11000;occ; 78; 0;42274
6; 2957.7; 01-APR-2010 09:09:30; Bright; 39.5; 36; 50Alp UMa ; 1.80; 6300;occ; 79; 0;42274
7; 3337.1; 01-APR-2010 09:15:49; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;42274
8; 3901.7; 01-APR-2010 09:25:14; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;42274
9; 4199.3; 01-APR-2010 09:30:11; Bright; 48.0; 144; 18Del Cyg ; 2.86; 11000;occ; 96; 0;42274
10; 4312.9; 01-APR-2010 09:32:05; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42274
11; 4434.5; 01-APR-2010 09:34:06; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;42274
12; 5724.6; 01-APR-2010 09:55:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42274
13; 5893.5; 01-APR-2010 09:58:25; Dark ; 57.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 114; 0;42274
14; 6107.5; 01-APR-2010 10:01:59; Dark ; 54.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 109; 0;42275
15; 6334.8; 01-APR-2010 10:05:47; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;42275
16; 6553.9; 01-APR-2010 10:09:26; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;42275
17; 6712.3; 01-APR-2010 10:12:04; Dark ; 51.0; 4; Alp1Cen ; -0.01; 5800;occ; 102; 0;42275
18; 6877.5; 01-APR-2010 10:14:49; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;42275
19; 6973.6; 01-APR-2010 10:16:26; Dark ; 50.0; 81; Eta Cen ; 2.36; 28000;occ; 100; 0;42275
20; 7137.3; 01-APR-2010 10:19:09; Dark ; 58.0; 54; 5The Cen ; 2.06; 4500;occ; 116; 0;42275
21; 7497.0; 01-APR-2010 10:25:09; Dark ; 47.5; 106; 9Bet Crv ; 2.65; 5600;occ; 95; 0;42275
22; 7614.6; 01-APR-2010 10:27:07; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42275
23; 7724.2; 01-APR-2010 10:28:56; Dark ; 9.0; 15; 67Alp Vir ; 0.98; 28000;occ; 18; 0;42275

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2; 1882.6; 01-APR-2010 10:32:10; Bright; 44.5; 121; 29Gam Vir ; 2.74; 7200;occ; 89; 0;42275
3; 2160.3; 01-APR-2010 10:36:48; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;42275
4; 2666.1; 01-APR-2010 10:45:14; Bright; 37.5; 174; 52Psi UMa ; 3.00; 4400;occ; 75; 0;42275

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6; 2957.7; 01-APR-2010 10:50:06; Bright; 37.0; 36; 50Alp UMa ; 1.80; 6300;occ; 74; 0;42275
7; 3336.6; 01-APR-2010 10:56:24; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;42275
8; 3901.8; 01-APR-2010 11:05:50; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;42275
9; 4199.0; 01-APR-2010 11:10:47; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;42275
10; 4312.8; 01-APR-2010 11:12:41; Bright; 7.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 15; 0;42275
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2; -1601.1; 01-APR-2010 11:14:43; Bright; 60.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 120; 0;42275
3; -310.4; 01-APR-2010 11:36:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42275
4; -141.2; 01-APR-2010 11:39:02; Dark ; 56.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 113; 0;42275
5; 73.1; 01-APR-2010 11:42:37; Dark ; 56.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 112; 0;42276
6; 300.1; 01-APR-2010 11:46:24; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;42276
7; 518.6; 01-APR-2010 11:50:02; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;42276
8; 676.5; 01-APR-2010 11:52:40; Dark ; 53.0; 4; Alp1Cen ;-0.01; 5800;occ; 106; 0;42276
9; 841.9; 01-APR-2010 11:55:26; Dark ; 46.0; 78; Alp Lup ; 2.30; 28000;occ; 92; 0;42276
10; 938.3; 01-APR-2010 11:57:02; Dark ; 47.0; 81; Eta Cen ; 2.36; 28000;occ; 94; 0;42276
11; 1101.8; 01-APR-2010 11:59:46; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;42276
12; 1461.2; 01-APR-2010 12:05:45; Dark ; 46.0; 106; 9Bet Crv ; 2.65; 5600;occ; 92; 0;42276
13; 1578.4; 01-APR-2010 12:07:42; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;42276
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4; 2160.3; 01-APR-2010 12:17:24; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;42276
5; 2665.9; 01-APR-2010 12:25:50; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;42276
6; 2847.2; 01-APR-2010 12:28:51; Bright; 39.5; 87; 64Gam UMa ; 2.43; 11000;occ; 79; 0;42276
7; 2957.6; 01-APR-2010 12:30:41; Bright; 38.5; 36; 50Alp UMa ; 1.80; 6300;occ; 77; 0;42276
8; 3336.3; 01-APR-2010 12:37:00; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;42276
9; 3901.8; 01-APR-2010 12:46:25; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;42276
10; 4198.6; 01-APR-2010 12:51:22; Bright; 55.5; 144; 18Del Cyg ; 2.86; 11000;occ; 111; 0;42276
11; 4312.6; 01-APR-2010 12:53:16; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42276
12; 4434.9; 01-APR-2010 12:55:19; Bright; 45.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 91; 0;42276
13; 5726.2; 01-APR-2010 13:16:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42276
14; 5896.3; 01-APR-2010 13:19:40; Dark ; 52.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 104; 0;42276
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17; 6555.0; 01-APR-2010 13:30:39; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;42277
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19; 6878.6; 01-APR-2010 13:36:02; Dark ; 45.0; 78; Alp Lup ; 2.30; 28000;occ; 90; 0;42277
20; 6974.7; 01-APR-2010 13:37:38; Dark ; 45.0; 81; Eta Cen ; 2.36; 28000;occ; 90; 0;42277
21; 7138.3; 01-APR-2010 13:40:22; Dark ; 54.0; 54; 5The Cen ; 2.06; 4500;occ; 108; 0;42277
22; 7497.3; 01-APR-2010 13:46:21; Dark ; 45.0; 106; 9Bet Crv ; 2.65; 5600;occ; 90; 0;42277
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3; 1882.3; 01-APR-2010 13:53:22; Bright; 45.5; 121; 29Gam Vir ; 2.74; 7200;occ; 91; 0;42277
4; 2160.2; 01-APR-2010 13:58:00; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;42277
5; 2666.2; 01-APR-2010 14:06:26; Bright; 35.0; 174; 52Psi UMa ; 3.00; 4400;occ; 70; 0;42277
6; 2847.1; 01-APR-2010 14:09:27; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;42277
7; 2957.4; 01-APR-2010 14:11:17; Bright; 40.5; 36; 50Alp UMa ; 1.80; 6300;occ; 81; 0;42277
8; 3336.1; 01-APR-2010 14:17:36; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42277
9; 3901.8; 01-APR-2010 14:27:01; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;42277
10; 4198.5; 01-APR-2010 14:31:58; Bright; 44.5; 144; 18Del Cyg ; 2.86; 11000;occ; 89; 0;42277
11; 4312.9; 01-APR-2010 14:33:52; Bright; 42.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 85; 0;42277
12; 4434.9; 01-APR-2010 14:35:54; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;42277
13; 5727.1; 01-APR-2010 14:57:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42277
14; 5897.7; 01-APR-2010 15:00:17; Dark ; 52.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 104; 0;42277
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17; 6555.6; 01-APR-2010 15:11:15; Dark ; 42.0; 134; Bet TrA ; 2.81; 6600;occ; 84; 0;42278
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20; 6975.6; 01-APR-2010 15:18:15; Dark ; 48.5; 81; Eta Cen ; 2.36; 28000;occ; 97; 0;42278
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6; 2665.8; 01-APR-2010 15:47:01; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;42278
7; 2847.0; 01-APR-2010 15:50:02; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42278
8; 2957.4; 01-APR-2010 15:51:53; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;42278
9; 3335.6; 01-APR-2010 15:58:11; Bright; 43.5; 60; 7Bet UMi ; 2.08; 3950;occ; 87; 0;42278
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13; 4435.1; 01-APR-2010 16:16:31; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;42278
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3; 520.4; 01-APR-2010 18:32:28; Dark ; 40.0; 134; Bet TrA ; 2.81; 6600;occ; 80; 0;42280
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6; 940.9; 01-APR-2010 18:39:28; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;42280
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8; 2846.3; 01-APR-2010 19:11:14; Bright; 48.0; 87; 64Gam UMa ; 2.43; 11000;occ; 96; 0;42280
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13; 4313.0; 01-APR-2010 19:35:40; Bright; 47.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 94; 0;42280
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 3; 2157.8; 03-APR-2010 07:52:56; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;42302
 4; 2661.1; 03-APR-2010 08:01:19; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;42302
 5; 2841.6; 03-APR-2010 08:04:19; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;42302
 6; 2946.3; 03-APR-2010 08:06:04; Bright; 41.5; 32; 77Eps UMa ; 1.76; 11000;occ; 83; 0;42302
 7; 3327.6; 03-APR-2010 08:12:25; Bright; 58.0; 60; 7Bet UMi ; 2.08; 3950;occ; 116; 0;42302
 8; 3899.7; 03-APR-2010 08:21:58; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;42302
 9; 4194.5; 03-APR-2010 08:26:52; Bright; 46.0; 144; 18Del Cyg ; 2.86; 11000;occ; 92; 0;42302
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 13; 5114.2; 03-APR-2010 08:42:12; Dark ; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;42302
 14; 5748.3; 03-APR-2010 08:52:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42302
 15; 5929.9; 03-APR-2010 08:55:48; Dark ; 51.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 103; 0;42302
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 17; 6366.1; 03-APR-2010 09:03:04; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42303
 18; 6568.2; 03-APR-2010 09:06:26; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;42303
 19; 6894.3; 03-APR-2010 09:11:52; Dark ; 44.0; 78; Alp Lup ; 2.30; 28000;occ; 88; 0;42303
 20; 6990.9; 03-APR-2010 09:13:29; Dark ; 49.0; 81; Eta Cen ; 2.36; 28000;occ; 98; 0;42303
 21; 7151.6; 03-APR-2010 09:16:09; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;42303
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 23; 7618.5; 03-APR-2010 09:23:56; Dark ; 44.0; 100; 4Gam Crv ; 2.58; 13100;occ; 88; 0;42303
 24; 7723.6; 03-APR-2010 09:25:41; Dark ; 62.5; 15; 67Alp Vir ; 0.98; 28000;occ; 125; 0;42303

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 3; 2660.6; 03-APR-2010 09:41:54; Bright; 43.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 86; 0;42303
 4; 2841.4; 03-APR-2010 09:44:55; Bright; 37.0; 87; 64Gam UMa ; 2.43; 11000;occ; 74; 0;42303
 5; 2945.9; 03-APR-2010 09:46:40; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;42303
 6; 3327.5; 03-APR-2010 09:53:01; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;42303
 7; 3899.9; 03-APR-2010 10:02:34; Bright; 50.0; 89; 5Alp Cep ; 2.45; 8000;occ; 100; 0;42303
 8; 4194.4; 03-APR-2010 10:07:28; Bright; 46.5; 144; 18Del Cyg ; 2.86; 11000;occ; 93; 0;42303
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 7; 3327.0; 03-APR-2010 11:33:37; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;42304
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 9; 4194.3; 03-APR-2010 11:48:04; Bright; 46.0; 144; 18Del Cyg ; 2.86; 11000;occ; 92; 0;42304
10; 4312.6; 03-APR-2010 11:50:02; Bright; 64.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 128; 0;42304
11; 4437.6; 03-APR-2010 11:52:07; Bright; 46.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 92; 0;42304
12; 4836.2; 03-APR-2010 11:58:46; Dark ; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;42304
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11; 4438.1; 03-APR-2010 13:32:43; Bright; 43.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 87; 0;42305
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20; 6992.7; 03-APR-2010 14:15:18; Dark ; 46.0; 81; Eta Cen ; 2.36; 28000;occ; 92; 0;42306
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 6; 2659.4; 03-APR-2010 14:43:41; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;42306
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 9; 3326.6; 03-APR-2010 14:54:48; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;42306
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12; 4312.8; 03-APR-2010 15:11:14; Bright; 47.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 95; 0;42306

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 3; 530.6; 15-APR-2010 22:54:10; Dark ; 56.5; 40; The Sco ; 1.86; 7100;occ; 113; 0;42483
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 5; 1048.7; 15-APR-2010 23:02:48; Dark ; 44.5; 81; Eta Cen ; 2.36; 28000;occ; 89; 0;42483
 6; 1190.9; 15-APR-2010 23:05:10; Dark ; 47.0; 54; 5The Cen ; 2.06; 4500;occ; 94; 0;42483
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 13; 2848.1; 15-APR-2010 23:32:47; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;42483

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15; 3357.3; 15-APR-2010 23:41:16; Bright; 45.0; 119; 14Eta Dra ; 2.73; 4700;occ; 90; 0;42483
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17; 4194.6; 15-APR-2010 23:55:14; Bright; 50.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 101; 0;42483
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13; 1472.3; 15-APR-2010 08:04:28; Dark ; 41.5; 169; 46Gam Hya ; 2.99; 4700;occ; 83; 0;42474
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6; 2852.0; 15-APR-2010 10:08:04; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;42475
7; 3274.5; 15-APR-2010 10:15:06; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;42475
8; 3363.2; 15-APR-2010 10:16:35; Bright; 48.5; 119; 14Eta Dra ; 2.73; 4700;occ; 97; 0;42475
9; 3879.8; 15-APR-2010 10:25:11; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;42475
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4; 2560.5; 28-APR-2010 19:58:10; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 0;42667
5; 2652.7; 28-APR-2010 19:59:42; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42667
6; 2779.0; 28-APR-2010 20:01:48; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;42667
7; 2860.3; 28-APR-2010 20:03:09; Bright; 36.5; 32; 77Eps UMa ; 1.76; 11000;occ; 73; 0;42667
8; 3226.0; 28-APR-2010 20:09:15; Bright; 55.0; 60; 7Bet UMi ; 2.08; 3950;occ; 110; 0;42667
9; 3837.9; 28-APR-2010 20:19:27; Bright; 41.5; 89; 5Alp Cep ; 2.45; 8000;occ; 83; 0;42667
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13; 5485.7; 28-APR-2010 20:46:55; Dark ; 48.5; 142; 49Del Cap ; 2.85; 8900;occ; 97; 0;42667
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5; 1120.4; 29-APR-2010 00:35:57; Dark ; 40.0; 81; Eta Cen ; 2.36; 28000;occ; 80; 0;42670
6; 1586.9; 29-APR-2010 00:43:44; Bright; 49.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 98; 0;42670
7; 2239.1; 29-APR-2010 00:54:36; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;42670
8; 2472.6; 29-APR-2010 00:58:29; Bright; 48.0; 83; ; 2.38; 11000;occ; 96; 0;42670
9; 2650.8; 29-APR-2010 01:01:27; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;42670
10; 2777.9; 29-APR-2010 01:03:35; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;42670
11; 2855.0; 29-APR-2010 01:04:52; Bright; 37.5; 55; 79Zet UMa ; 2.06; 10200;occ; 75; 0;42670
12; 3225.3; 29-APR-2010 01:11:02; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42670
13; 3836.9; 29-APR-2010 01:21:14; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42670
14; 4503.5; 29-APR-2010 01:32:20; Bright; 47.5; 164; 44Eta Peg ; 2.95; 5400;occ; 95; 0;42670
15; 4764.3; 29-APR-2010 01:36:41; Dark ; 44.5; 90; 54Alp Peg ; 2.49; 11000;occ; 89; 0;42670
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2;	-385.3;	29-APR-2010	01:51:27;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	42670
3;	-260.6;	29-APR-2010	01:53:32;	Dark	;	41.0;	172;	Gam Gru	;	3.00;	13100;	occ;	82;	0;	42670
4;	161.6;	29-APR-2010	02:00:34;	Dark	;	43.0;	45;	Alp Pav	;	1.94;	26000;	occ;	86;	0;	42671
5;	617.1;	29-APR-2010	02:08:10;	Dark	;	54.0;	141;	Bet Ara	;	2.84;	4600;	occ;	108;	0;	42671
6;	720.3;	29-APR-2010	02:09:53;	Dark	;	51.5;	40;	The Sco	;	1.86;	7100;	occ;	103;	0;	42671
7;	1120.6;	29-APR-2010	02:16:33;	Dark	;	43.0;	81;	Eta Cen	;	2.36;	28000;	occ;	86;	0;	42671
8;	1587.0;	29-APR-2010	02:24:19;	Bright;		46.0;	122;	9Alp2Lib	;	2.75;	9700;	occ;	92;	0;	42671
9;	2239.2;	29-APR-2010	02:35:12;	Bright;		40.5;	111;	8Eta Boo	;	2.68;	6000;	occ;	81;	0;	42671
10;	2472.1;	29-APR-2010	02:39:05;	Bright;		49.0;	83;		;	2.38;	11000;	occ;	98;	0;	42671
11;	2650.4;	29-APR-2010	02:42:03;	Bright;		42.0;	180;	27Gam Boo	;	3.04;	8000;	occ;	84;	0;	42671
12;	2777.6;	29-APR-2010	02:44:10;	Bright;		37.5;	39;	85Eta UMa	;	1.85;	24000;	occ;	75;	0;	42671
13;	2854.5;	29-APR-2010	02:45:27;	Bright;		37.5;	55;	79Zet UMa	;	2.06;	10200;	occ;	75;	0;	42671
14;	3225.4;	29-APR-2010	02:51:38;	Bright;		39.0;	60;	7Bet UMi	;	2.08;	3950;	occ;	78;	0;	42671

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2;	-1532.2;	29-APR-2010	03:12:56;	Bright;		45.0;	164;	44Eta Peg	;	2.95;	5400;	occ;	90;	0;	42671
3;	-1271.1;	29-APR-2010	03:17:17;	Dark	;	46.0;	90;	54Alp Peg	;	2.49;	11000;	occ;	92;	0;	42671
4;	-880.6;	29-APR-2010	03:23:48;	Dark	;	54.5;	162;	34Alp Aqr	;	2.94;	5350;	occ;	109;	0;	42671
5;	-546.7;	29-APR-2010	03:29:22;	Dark	;	50.0;	142;	49Del Cap	;	2.85;	8900;	occ;	100;	0;	42671
6;	-384.7;	29-APR-2010	03:32:04;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	42671
7;	-259.7;	29-APR-2010	03:34:09;	Dark	;	43.5;	172;	Gam Gru	;	3.00;	13100;	occ;	87;	0;	42671
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9;	617.6;	29-APR-2010	03:48:46;	Dark	;	45.0;	141;	Bet Ara	;	2.84;	4600;	occ;	90;	0;	42672
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11;	1121.2;	29-APR-2010	03:57:10;	Dark	;	41.5;	81;	Eta Cen	;	2.36;	28000;	occ;	83;	0;	42672
12;	1587.1;	29-APR-2010	04:04:56;	Bright;		46.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	93;	0;	42672
13;	2238.7;	29-APR-2010	04:15:47;	Bright;		39.0;	111;	8Eta Boo	;	2.68;	6000;	occ;	78;	0;	42672
14;	2471.6;	29-APR-2010	04:19:40;	Bright;		48.0;	83;		;	2.38;	11000;	occ;	96;	0;	42672
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17;	2854.6;	29-APR-2010	04:26:03;	Bright;		37.5;	55;	79Zet UMa	;	2.06;	10200;	occ;	75;	0;	42672
18;	3225.3;	29-APR-2010	04:32:14;	Bright;		39.0;	60;	7Bet UMi	;	2.08;	3950;	occ;	78;	0;	42672

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2;	-1532.0;	29-APR-2010	04:53:33;	Bright;		42.5;	164;	44Eta Peg	;	2.95;	5400;	occ;	85;	0;	42672
3;	-1270.4;	29-APR-2010	04:57:54;	Dark	;	44.0;	90;	54Alp Peg	;	2.49;	11000;	occ;	88;	0;	42672
4;	-879.7;	29-APR-2010	05:04:25;	Dark	;	55.0;	162;	34Alp Aqr	;	2.94;	5350;	occ;	110;	0;	42672
5;	-545.7;	29-APR-2010	05:09:59;	Dark	;	51.5;	142;	49Del Cap	;	2.85;	8900;	occ;	103;	0;	42672
6;	-384.2;	29-APR-2010	05:12:40;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	42672
7;	-259.4;	29-APR-2010	05:14:45;	Dark	;	41.0;	172;	Gam Gru	;	3.00;	13100;	occ;	82;	0;	42672
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9;	618.4;	29-APR-2010	05:29:23;	Dark	;	43.0;	141;	Bet Ara	;	2.84;	4600;	occ;	86;	0;	42673
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11;	1121.2;	29-APR-2010	05:37:46;	Dark	;	40.5;	81;	Eta Cen	;	2.36;	28000;	occ;	81;	0;	42673
12;	1587.2;	29-APR-2010	05:45:32;	Bright;		45.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	91;	0;	42673
13;	2238.2;	29-APR-2010	05:56:23;	Bright;		40.5;	111;	8Eta Boo	;	2.68;	6000;	occ;	81;	0;	42673
14;	2470.9;	29-APR-2010	06:00:15;	Bright;		49.0;	83;		;	2.38;	11000;	occ;	98;	0;	42673
15;	2649.6;	29-APR-2010	06:03:14;	Bright;		41.5;	180;	27Gam Boo	;	3.04;	8000;	occ;	83;	0;	42673
16;	2777.3;	29-APR-2010	06:05:22;	Bright;		38.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	76;	0;	42673
17;	2854.4;	29-APR-2010	06:06:39;	Bright;		37.0;	55;	79Zet UMa	;	2.06;	10200;	occ;	74;	0;	42673
18;	3225.1;	29-APR-2010	06:12:50;	Bright;		37.5;	60;	7Bet UMi	;	2.08;	3950;	occ;	75;	0;	42673

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4;	1394.3;	29-APR-2010	20:47:42;	Dark	;	61.5;	80;	7Del Sco	;	2.32;	30000;	occ;	123;	0;	42682
5;	1588.2;	29-APR-2010	20:50:56;	Bright;		48.0;	122;	9Alp2Lib	;	2.75;	9700;	occ;	96;	0;	42682
6;	1729.4;	29-APR-2010	20:53:17;	Bright;		49.5;	104;	27Bet Lib	;	2.61;	13100;	occ;	99;	0;	42682
7;	2236.8;	29-APR-2010	21:01:45;	Bright;		38.0;	111;	8Eta Boo	;	2.68;	6000;	occ;	76;	0;	42682
8;	2465.8;	29-APR-2010	21:05:34;	Bright;		48.5;	83;		;	2.38;	11000;	occ;	97;	0;	42682
9;	2644.9;	29-APR-2010	21:08:33;	Bright;		43.0;	180;	27Gam Boo	;	3.04;	8000;	occ;	86;	0;	42682
10;	2774.6;	29-APR-2010	21:10:43;	Bright;		40.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	80;	0;	42682
11;	3222.1;	29-APR-2010	21:18:10;	Bright;		44.5;	119;	14Eta Dra	;	2.73;	4700;	occ;	89;	0;	42682
12;	3833.5;	29-APR-2010	21:28:22;	Bright;		42.0;	89;	5Alp Cep	;	2.45;	8000;	occ;	84;	0;	42682
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8; 1394.7; 29-APR-2010 22:28:19; Dark ; 61.0; 80; 7Del Sco ; 2.32; 30000;occ; 122; 0;42683
9; 1588.3; 29-APR-2010 22:31:32; Bright; 47.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 94; 0;42683
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4;	732.9;	30-APR-2010	01:38:29;	Dark	;	53.0;	40;	The Sco	;	1.86;	7100;occ;	106;	0;	42685
5;	836.9;	30-APR-2010	01:40:13;	Dark	;	58.5;	25;	35Lam Sco	;	1.62;	28000;occ;	117;	0;	42685
6;	1028.3;	30-APR-2010	01:43:24;	Dark	;	60.5;	75;	26Eps Sco	;	2.29;	4250;occ;	121;	0;	42685
7;	1257.3;	30-APR-2010	01:47:13;	Dark	;	71.5;	16;	21Alp Sco	;	1.02;	3000;occ;	143;	0;	42685
8;	1395.1;	30-APR-2010	01:49:31;	Dark	;	60.5;	80;	7Del Sco	;	2.32;	30000;occ;	121;	0;	42685
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14;	2773.9;	30-APR-2010	02:12:30;	Bright;		39.5;	39;	85Eta UMa	;	1.85;	24000;occ;	79;	0;	42685
15;	3220.4;	30-APR-2010	02:19:56;	Bright;		45.0;	119;	14Eta Dra	;	2.73;	4700;occ;	90;	0;	42685
16;	3832.9;	30-APR-2010	02:30:09;	Bright;		41.5;	89;	5Alp Cep	;	2.45;	8000;occ;	83;	0;	42685
17;	4145.4;	30-APR-2010	02:35:21;	Bright;		64.0;	19;	50Alp Cyg	;	1.25;	10500;occ;	128;	0;	42685
18;	4505.8;	30-APR-2010	02:41:21;	Bright;		46.5;	164;	44Eta Peg	;	2.95;	5400;occ;	93;	0;	42685
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21;	5165.9;	30-APR-2010	02:52:22;	Dark	;	53.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	107;	0;	42685
22;	5382.7;	30-APR-2010	02:55:58;	Dark	;	59.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	118;	0;	42685
23;	5540.6;	30-APR-2010	02:58:36;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;	42685
24;	6662.6;	30-APR-2010	03:17:18;	Dark	;	42.5;	141;	Bet Ara	;	2.84;	4600;occ;	85;	0;	42686
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26;	6873.7;	30-APR-2010	03:20:49;	Dark	;	64.0;	25;	35Lam Sco	;	1.62;	28000;occ;	128;	0;	42686
27;	7064.9;	30-APR-2010	03:24:01;	Dark	;	64.0;	75;	26Eps Sco	;	2.29;	4250;occ;	128;	0;	42686
28;	7293.6;	30-APR-2010	03:27:49;	Dark	;	69.0;	16;	21Alp Sco	;	1.02;	3000;occ;	138;	0;	42686
29;	7431.4;	30-APR-2010	03:30:07;	Dark	;	63.5;	80;	7Del Sco	;	2.32;	30000;occ;	127;	0;	42686
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31;	7765.1;	30-APR-2010	03:35:41;	Bright;		48.5;	104;	27Bet Lib	;	2.61;	13100;occ;	97;	0;	42686
32;	8272.0;	30-APR-2010	03:44:08;	Bright;		38.5;	111;	8Eta Boo	;	2.68;	6000;occ;	77;	0;	42686
33;	8499.8;	30-APR-2010	03:47:55;	Bright;		48.0;	83;		;	2.38;	11000;occ;	96;	0;	42686
34;	8679.2;	30-APR-2010	03:50:55;	Bright;		42.0;	180;	27Gam Boo	;	3.04;	8000;occ;	84;	0;	42686
35;	8809.9;	30-APR-2010	03:53:06;	Bright;		39.5;	39;	85Eta UMa	;	1.85;	24000;occ;	79;	0;	42686
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3;	-1890.8;	30-APR-2010	04:15:57;	Bright;		60.0;	19;	50Alp Cyg	;	1.25;	10500;occ;	120;	0;	42686
4;	-1529.8;	30-APR-2010	04:21:58;	Bright;		46.0;	164;	44Eta Peg	;	2.95;	5400;occ;	92;	0;	42686
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6;	-1015.8;	30-APR-2010	04:30:32;	Dark	;	62.5;	61;	8Eps Peg	;	2.10;	3900;occ;	125;	0;	42686
7;	-869.3;	30-APR-2010	04:32:58;	Dark	;	55.0;	162;	34Alp Aqr	;	2.94;	5350;occ;	110;	0;	42686
8;	-651.9;	30-APR-2010	04:36:36;	Dark	;	55.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	110;	0;	42686
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14;	1258.3;	30-APR-2010	05:08:26;	Dark	;	77.5;	16;	21Alp Sco	;	1.02;	3000;occ;	155;	0;	42687
15;	1395.8;	30-APR-2010	05:10:43;	Dark	;	62.0;	80;	7Del Sco	;	2.32;	30000;occ;	124;	0;	42687
16;	1589.0;	30-APR-2010	05:13:57;	Bright;		46.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	92;	0;	42687
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19;	2463.1;	30-APR-2010	05:28:31;	Bright;		48.0;	83;		;	2.38;	11000;occ;	96;	0;	42687
20;	2642.8;	30-APR-2010	05:31:30;	Bright;		40.0;	180;	27Gam Boo	;	3.04;	8000;occ;	80;	0;	42687
21;	2773.8;	30-APR-2010	05:33:41;	Bright;		36.0;	39;	85Eta UMa	;	1.85;	24000;occ;	72;	0;	42687
22;	3219.1;	30-APR-2010	05:41:07;	Bright;		44.0;	119;	14Eta Dra	;	2.73;	4700;occ;	88;	0;	42687
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3;	1398.6;	30-APR-2010	20:16:10;	Dark	;	58.0;	80;	7Del Sco	;	2.32;	30000;occ;	116;	0;	42696
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7;	2458.4;	30-APR-2010	20:33:50;	Bright;		47.5;	83;		;	2.38;	11000;occ;	95;	0;	42696
8;	2638.4;	30-APR-2010	20:36:50;	Bright;		42.0;	180;	27Gam Boo	;	3.04;	8000;occ;	84;	0;	42696
9;	2771.4;	30-APR-2010	20:39:03;	Bright;		37.0;	39;	85Eta UMa	;	1.85;	24000;occ;	74;	0;	42696
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19; 5793.2; 30-APR-2010 19:48:48; Dark ; 40.5; 172; Gam Gru ; 3.00; 13100;occ; 81; 0;42695
20; 6668.9; 30-APR-2010 20:03:24; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42696
21; 6778.6; 30-APR-2010 20:05:14; Dark ; 58.0; 40; The Sco ; 1.86; 7100;occ; 116; 0;42696
22; 6883.6; 30-APR-2010 20:06:59; Dark ; 61.0; 25; 35Lam Sco ; 1.62; 28000;occ; 122; 0;42696

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