

GOMOS Daily Report 28-APR-2010

Level 0 and Level 1 products

SUMMARY

[1. General Info](#)

[2. Summary of products arrived in PCF \(Product Control Facility\)](#)

[2.1 Level 0: products arrived in PCF during current month \(see template here\)](#)

[2.2 Level 0: plot of mission plan versus production during reporting period](#)

[2.3 Level 0: summary of missing occultations with respect to the plan](#)

[2.4 Level 1: products arrived in PCF during reporting period](#)

[3. Plot of Spectrometers and Photometers temperatures](#)

[4. Dark Charge monitoring](#)

[4.1 Products that did not use the Dark Sky Area observation for DC computation](#)

[4.2 Plot of Dark Charge](#)

[5. Demodulation correction and quality product information monitoring](#)

[5.1 Percentage of products with some flags set](#)

[5.2 Plot of quality information per product \(time dependant\)](#)

[5.3 Plot of quality information per product \(world map\)](#)

[6. Star tangent altitude lost](#)

[6.1 Statistics on star tangent altitude lost](#)

[6.2 Plot of star tangent altitude lost: DARK products](#)

[6.3 Plot of star tangent altitude lost: BRIGHT products](#)

[6.3 Plot of star tangent altitude lost: TWILIGHT products](#)

[7. Star Acquisition and Tracking Unit \(SATU\)](#)

[7.1 SATU plots \(dark limb\): 'X' and 'Y' axis](#)

[7.2 SATU Noise Equivalent Angle statistics](#)

[7.2.1 SATU NEA Statistics \(table\)](#)

[7.2.2 Daily SATU NEA STD \(dark limb\) - trend since 1st April 2006](#)

[8. Auxiliary Data Files used for the production reported in section 2.4](#)

[Level 2 products](#)

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	01MAY2010 04:46:43
Data source version	GOMOS/5.00L04
Start time of products	28APR2010 00:02:06
Stop time of products	28APR2010 23:56:05
Store outputs in DB	Yes
Nb of level 1b prods	114
Nb of prods with errors	3

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

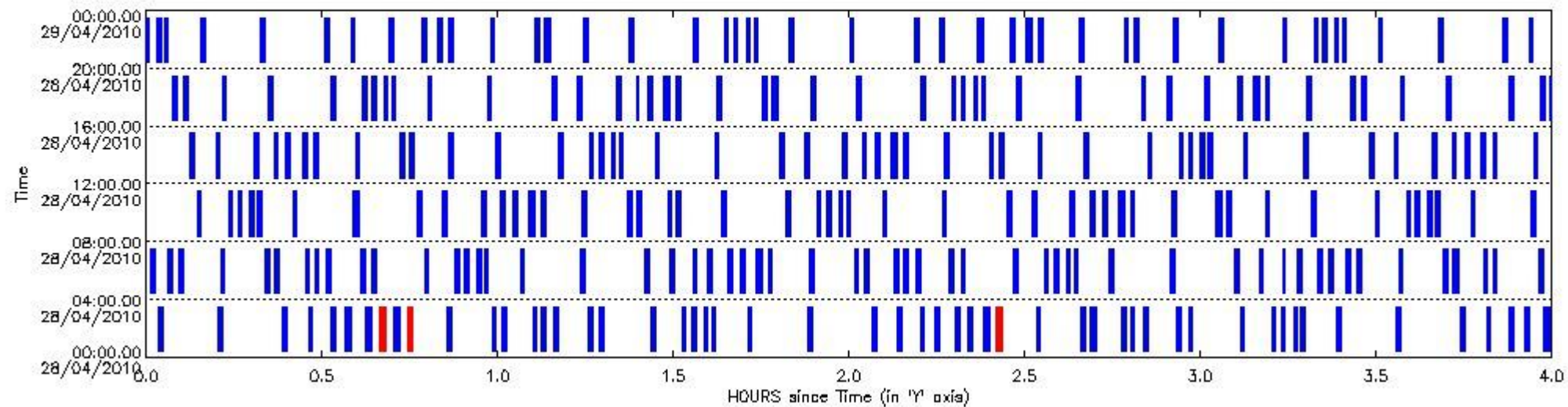
2.1 Level 0 products arrived in PCF (see template [here](#))

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
28-APR-2010 00:39:42	49DelCap	142	42655
28-APR-2010 00:44:32	GamGru	172	42655
28-APR-2010 02:25:08	GamGru	172	42656

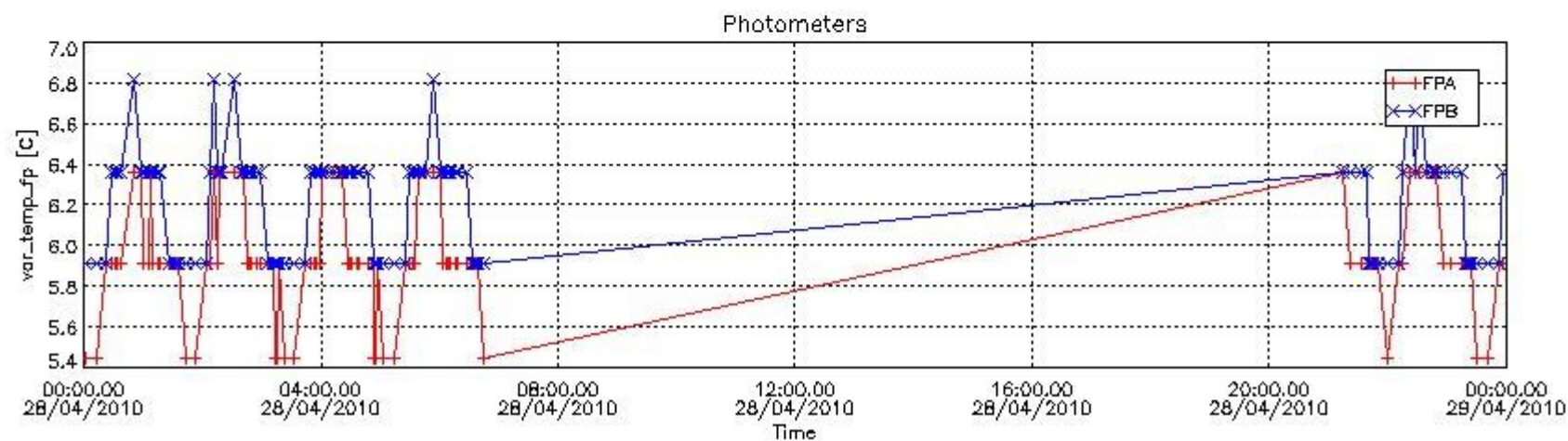
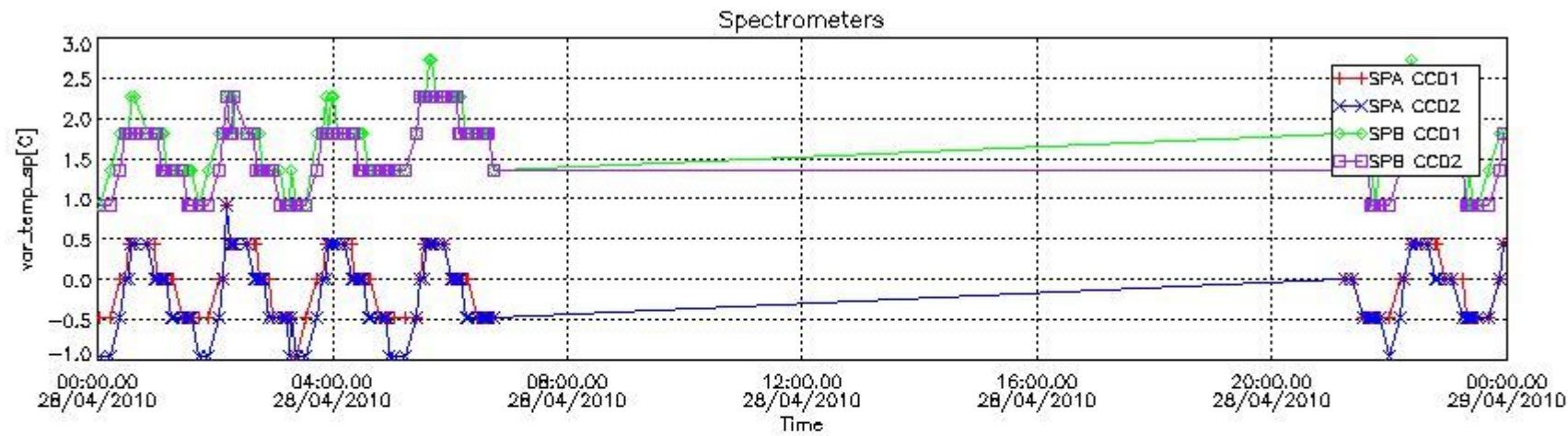
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100428_000206_000000412089_00016_42655_7115.N1	28-APR-2010 00:02:06	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	42655	No
2	GOM_TRA_1PNPDE20100428_001219_000000412089_00016_42655_7116.N1	28-APR-2010 00:12:19	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	42655	No
3	GOM_TRA_1PNPDE20100428_002319_000000462089_00016_42655_7117.N1	28-APR-2010 00:23:19	Bright	46.000	164	44Eta Peg	2.9480	5400.0	92	42655	No
4	GOM_TRA_1PNPDE20100428_002737_000000442089_00016_42655_7118.N1	28-APR-2010 00:27:37	Twilight	43.500	90	54Alp Peg	2.4870	11000.	87	42655	No
5	GOM_TRA_1PNPDE20100428_003135_000000432089_00016_42655_7119.N1	28-APR-2010 00:31:35	Dark	43.000	61	8Eps Peg	2.1000	3900.0	86	42655	No
6	GOM_TRA_1PNPDE20100428_003401_000000532089_00016_42655_7120.N1	28-APR-2010 00:34:01	Dark	53.000	162	34Alp Aqr	2.9440	5350.0	106	42655	No
7	GOM_TRA_1PNPDE20100428_003727_000000582089_00016_42655_7124.N1	28-APR-2010 00:37:27	Dark	58.000	154	22Bet Aqr	2.8990	5700.0	116	42655	No
8	GOM_TRA_1PNPDE20100428_005125_000000432089_00017_42656_7125.N1	28-APR-2010 00:51:25	Dark	42.500	45	Alp Pav	1.9400	26000.	85	42656	No

9	GOM_TRA_1PNPDE20100428_005901_000000442089_00017_42656_7126.N1	28-APR-2010 00:59:01	Straylight	44.000	141	Bet Ara	2.8400	4600.0	88	42656	No
10	GOM_TRA_1PNPDE20100428_010040_000000552089_00017_42656_7127.N1	28-APR-2010 01:00:40	Straylight	55.000	40	The Sco	1.8590	7100.0	110	42656	No
11	GOM_TRA_1PNPDE20100428_010556_000000402089_00017_42656_7128.N1	28-APR-2010 01:05:56	Straylight	40.000	78	Alp Lup	2.3040	28000.	80	42656	No
12	GOM_TRA_1PNPDE20100428_010729_000000422089_00017_42656_7129.N1	28-APR-2010 01:07:29	Straylight	41.500	81	Eta Cen	2.3560	28000.	83	42656	No
13	GOM_TRA_1PNPDE20100428_010937_000000462089_00017_42656_7130.N1	28-APR-2010 01:09:37	Straylight	45.500	54	5The Cen	2.0550	4500.0	91	42656	No
14	GOM_TRA_1PNPDE20100428_011519_000000482089_00017_42656_7131.N1	28-APR-2010 01:15:19	Bright	48.000	122	9Alp2Lib	2.7470	9700.0	96	42656	No
15	GOM_TRA_1PNPDE20100428_011720_000000412089_00017_42656_7132.N1	28-APR-2010 01:17:20	Bright	41.000	15	67Alp Vir	0.97600	28000.	82	42656	No
16	GOM_TRA_1PNPDE20100428_012615_000000422089_00017_42656_7133.N1	28-APR-2010 01:26:15	Bright	41.500	111	8Eta Boo	2.6800	6000.0	83	42656	No
17	GOM_TRA_1PNPDE20100428_013134_000000372089_00017_42656_7134.N1	28-APR-2010 01:31:34	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	42656	No
18	GOM_TRA_1PNPDE20100428_013312_000000442089_00017_42656_7135.N1	28-APR-2010 01:33:12	Bright	43.500	180	27Gam Boo	3.0400	8000.0	87	42656	No
19	GOM_TRA_1PNPDE20100428_013515_000000392089_00017_42656_7136.N1	28-APR-2010 01:35:15	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	42656	No
20	GOM_TRA_1PNPDE20100428_013634_000000372089_00017_42656_7137.N1	28-APR-2010 01:36:34	Bright	36.500	32	77Eps UMa	1.7630	11000.	73	42656	No
21	GOM_TRA_1PNPDE20100428_014242_000000352089_00017_42656_7138.N1	28-APR-2010 01:42:42	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	42656	No
22	GOM_TRA_1PNPDE20100428_015254_000000432089_00017_42656_7139.N1	28-APR-2010 01:52:54	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	42656	No
23	GOM_TRA_1PNPDE20100428_020355_000000462089_00017_42656_7140.N1	28-APR-2010 02:03:55	Bright	45.500	164	44Eta Peg	2.9480	5400.0	91	42656	No
24	GOM_TRA_1PNPDE20100428_020813_000000432089_00017_42656_7141.N1	28-APR-2010 02:08:13	Twilight	43.000	90	54Alp Peg	2.4870	11000.	86	42656	No
25	GOM_TRA_1PNPDE20100428_021211_000000342089_00017_42656_7146.N1	28-APR-2010 02:12:11	Dark	34.000	61	8Eps Peg	2.1000	3900.0	68	42656	Yes
26	GOM_TRA_1PNPDE20100428_021438_000000512089_00017_42656_7147.N1	28-APR-2010 02:14:38	Dark	50.500	162	34Alp Aqr	2.9440	5350.0	101	42656	No
27	GOM_TRA_1PNPDE20100428_021804_000000592089_00017_42656_7148.N1	28-APR-2010 02:18:04	Dark	59.000	154	22Bet Aqr	2.8990	5700.0	118	42656	No
28	GOM_TRA_1PNPDE20100428_022009_000000502089_00017_42656_7149.N1	28-APR-2010 02:20:09	Dark	49.500	142	49Del Cap	2.8500	8900.0	99	42656	No
29	GOM_TRA_1PNPDE20100428_023202_000000412089_00018_42657_7150.N1	28-APR-2010 02:32:02	Dark	41.000	45	Alp Pav	1.9400	26000.	82	42657	No
30	GOM_TRA_1PNPDE20100428_023937_000000442089_00018_42657_7151.N1	28-APR-2010 02:39:37	Straylight	44.000	141	Bet Ara	2.8400	4600.0	88	42657	No
31	GOM_TRA_1PNPDE20100428_024116_000000532089_00018_42657_7152.N1	28-APR-2010 02:41:16	Straylight	52.500	40	The Sco	1.8590	7100.0	105	42657	No
32	GOM_TRA_1PNPDE20100428_024632_000000422089_00018_42657_7153.N1	28-APR-2010 02:46:32	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	42657	No
33	GOM_TRA_1PNPDE20100428_024805_000000432089_00018_42657_7154.N1	28-APR-2010 02:48:05	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	42657	No
34	GOM_TRA_1PNPDE20100428_025013_000000452089_00018_42657_7155.N1	28-APR-2010 02:50:13	Straylight	45.000	54	5The Cen	2.0550	4500.0	90	42657	No
35	GOM_TRA_1PNPDE20100428_025555_000000482089_00018_42657_7156.N1	28-APR-2010 02:55:55	Bright	47.500	122	9Alp2Lib	2.7470	9700.0	95	42657	No
36	GOM_TRA_1PNPDE20100428_025756_000000412089_00018_42657_7157.N1	28-APR-2010 02:57:56	Bright	41.000	15	67Alp Vir	0.97600	28000.	82	42657	No
37	GOM_TRA_1PNPDE20100428_030651_000000402089_00018_42657_7158.N1	28-APR-2010 03:06:51	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	42657	No
38	GOM_TRA_1PNPDE20100428_031210_000000372089_00018_42657_7159.N1	28-APR-2010 03:12:10	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	42657	No
39	GOM_TRA_1PNPDE20100428_031347_000000432089_00018_42657_7160.N1	28-APR-2010 03:13:47	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	42657	No
40	GOM_TRA_1PNPDE20100428_031551_000000382089_00018_42657_7161.N1	28-APR-2010 03:15:51	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	42657	No
41	GOM_TRA_1PNPDE20100428_031710_000000382089_00018_42657_7162.N1	28-APR-2010 03:17:10	Bright	37.500	32	77Eps UMa	1.7630	11000.	75	42657	No
42	GOM_TRA_1PNPDE20100428_032317_000000362089_00018_42657_7163.N1	28-APR-2010 03:23:17	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	42657	No
43	GOM_TRA_1PNPDE20100428_033330_000000422089_00018_42657_7173.N1	28-APR-2010 03:33:30	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	42657	No
44	GOM_TRA_1PNPDE20100428_034430_000000462089_00018_42657_7174.N1	28-APR-2010 03:44:30	Bright	45.500	164	44Eta Peg	2.9480	5400.0	91	42657	No
45	GOM_TRA_1PNPDE20100428_034850_000000442089_00018_42657_7175.N1	28-APR-2010 03:48:50	Twilight	44.000	90	54Alp Peg	2.4870	11000.	88	42657	No
46	GOM_TRA_1PNPDE20100428_035248_000000342089_00018_42657_7176.N1	28-APR-2010 03:52:48	Dark	34.000	61	8Eps Peg	2.1000	3900.0	68	42657	No
47	GOM_TRA_1PNPDE20100428_035515_000000502089_00018_42657_7177.N1	28-APR-2010 03:55:15	Dark	50.000	162	34Alp Aqr	2.9440	5350.0	100	42657	No
48	GOM_TRA_1PNPDE20100428_035840_000000572089_00018_42657_7178.N1	28-APR-2010 03:58:40	Dark	56.500	154	22Bet Aqr	2.8990	5700.0	113	42657	No
49	GOM_TRA_1PNPDE20100428_040046_000000482089_00018_42657_7179.N1	28-APR-2010 04:00:46	Dark	48.000	142	49Del Cap	2.8500	8900.0	96	42657	No
50	GOM_TRA_1PNPDE20100428_040535_000000452089_00018_42657_7180.N1	28-APR-2010 04:05:35	Dark	45.000	172	Gam Gru	3.0030	13100.	90	42657	No
51	GOM_TRA_1PNPDE20100428_041239_000000412089_00019_42658_7181.N1	28-APR-2010 04:12:39	Dark	41.000	45	Alp Pav	1.9400	26000.	82	42658	No
52	GOM_TRA_1PNPDE20100428_042014_000000442089_00019_42658_7182.N1	28-APR-2010 04:20:14	Straylight	44.000	141	Bet Ara	2.8400	4600.0	88	42658	No
53	GOM_TRA_1PNPDE20100428_042153_000000532089_00019_42658_7183.N1	28-APR-2010 04:21:53	Straylight	53.000	40	The Sco	1.8590	7100.0	106	42658	No
54	GOM_TRA_1PNPDE20100428_042708_000000412089_00019_42658_7184.N1	28-APR-2010 04:27:08	Straylight	41.000	78	Alp Lup	2.3040	28000.	82	42658	No
55	GOM_TRA_1PNPDE20100428_042841_000000442089_00019_42658_7185.N1	28-APR-2010 04:28:41	Straylight	43.500	81	Eta Cen	2.3560	28000.	87	42658	No
56	GOM_TRA_1PNPDE20100428_043050_000000442089_00019_42658_7186.N1	28-APR-2010 04:30:50	Straylight	43.500	54	5The Cen	2.0550	4500.0	87	42658	No
57	GOM_TRA_1PNPDE20100428_043631_000000482089_00019_42658_7187.N1	28-APR-2010 04:36:31	Bright	48.000	122	9Alp2Lib	2.7470	9700.0	96	42658	No
58	GOM_TRA_1PNPDE20100428_043832_000000402089_00019_42658_7188.N1	28-APR-2010 04:38:32	Bright	40.000	15	67Alp Vir	0.97600	28000.	80	42658	No
59	GOM_TRA_1PNPDE20100428_044727_000000402089_00019_42658_7189.N1	28-APR-2010 04:47:27	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	42658	No
60	GOM_TRA_1PNPDE20100428_045246_000000372089_00019_42658_7190.N1	28-APR-2010 04:52:46	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	42658	No
61	GOM_TRA_1PNPDE20100428_045422_000000432089_00019_42658_7191.N1	28-APR-2010 04:54:22	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	42658	No
62	GOM_TRA_1PNPDE20100428_045626_000000432089_00019_42658_7192.N1	28-APR-2010 04:56:26	Bright	42.500	39	85Eta UMa	1.8540	24000.	85	42658	No
63	GOM_TRA_1PNPDE20100428_045746_000000362089_00019_42658_7193.N1	28-APR-2010 04:57:46	Bright	35.500	32	77Eps UMa	1.7630	11000.	71	42658	No
64	GOM_TRA_1PNPDE20100428_050353_000000382089_00019_42658_7194.N1	28-APR-2010 05:03:53	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	42658	No
65	GOM_TRA_1PNPDE20100428_051405_000000432089_00019_42658_7197.N1	28-APR-2010 05:14:05	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	42658	No
66	GOM_TRA_1PNPDE20100428_052507_000000482089_00019_42658_7198.N1	28-APR-2010 05:25:07	Bright	47.500	164	44Eta Peg	2.9480	5400.0	95	42658	No
67	GOM_TRA_1PNPDE20100428_052926_000000452089_00019_42658_7199.N1	28-APR-2010 05:29:26	Twilight	44.500	90	54Alp Peg	2.4870	11000.	89	42658	No

68	GOM_TRA_1PNPDE20100428_053324_000000252089_00019_42658_7200.N1	28-APR-2010 05:33:24	Dark	25.000	61	8Eps Peg	2.1000	3900.0	50	42658	No
69	GOM_TRA_1PNPDE20100428_053552_000000522089_00019_42658_7201.N1	28-APR-2010 05:35:52	Dark	52.000	162	34Alp Aqr	2.9440	5350.0	104	42658	No
70	GOM_TRA_1PNPDE20100428_053918_000000512089_00019_42658_7202.N1	28-APR-2010 05:39:18	Dark	51.000	154	22Bet Aqr	2.8990	5700.0	102	42658	No
71	GOM_TRA_1PNPDE20100428_054123_000000492089_00019_42658_7203.N1	28-APR-2010 05:41:23	Dark	49.000	142	49Del Cap	2.8500	8900.0	98	42658	No
72	GOM_TRA_1PNPDE20100428_054612_000000412089_00019_42658_7204.N1	28-APR-2010 05:46:12	Dark	41.000	172	Gam Gru	3.0030	13100.	82	42658	No
73	GOM_TRA_1PNPDE20100428_055315_000000422089_00020_42659_7205.N1	28-APR-2010 05:53:15	Dark	41.500	45	Alp Pav	1.9400	26000.	83	42659	No
74	GOM_TRA_1PNPDE20100428_060050_000000452089_00020_42659_7206.N1	28-APR-2010 06:00:50	Straylight	44.500	141	Bet Ara	2.8400	4600.0	89	42659	No
75	GOM_TRA_1PNPDE20100428_060230_000000562089_00020_42659_7207.N1	28-APR-2010 06:02:30	Straylight	56.000	40	The Sco	1.8590	7100.0	112	42659	No
76	GOM_TRA_1PNPDE20100428_060745_000000392089_00020_42659_7208.N1	28-APR-2010 06:07:45	Straylight	39.000	78	Alp Lup	2.3040	28000.	78	42659	No
77	GOM_TRA_1PNPDE20100428_060918_000000432089_00020_42659_7209.N1	28-APR-2010 06:09:18	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	42659	No
78	GOM_TRA_1PNPDE20100428_061126_000000472089_00020_42659_7210.N1	28-APR-2010 06:11:26	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	42659	No
79	GOM_TRA_1PNPDE20100428_061707_000000502089_00020_42659_7211.N1	28-APR-2010 06:17:07	Bright	49.500	122	9Alp2Lib	2.7470	9700.0	99	42659	No
80	GOM_TRA_1PNPDE20100428_061916_000000332089_00020_42659_7212.N1	28-APR-2010 06:19:16	Bright	33.000	15	67Alp Vir	0.97600	28000.	66	42659	Yes
81	GOM_TRA_1PNPDE20100428_062803_000000412089_00020_42659_7213.N1	28-APR-2010 06:28:03	Bright	40.500	111	8Eta Boo	2.6800	6000.0	81	42659	No
82	GOM_TRA_1PNPDE20100428_063322_000000372089_00020_42659_7214.N1	28-APR-2010 06:33:22	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	42659	No
83	GOM_TRA_1PNPDE20100428_063458_000000442089_00020_42659_7215.N1	28-APR-2010 06:34:58	Bright	43.500	180	27Gam Boo	3.0400	8000.0	87	42659	No
84	GOM_TRA_1PNPDE20100428_063702_000000382089_00020_42659_7216.N1	28-APR-2010 06:37:02	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	42659	No
85	GOM_TRA_1PNPDE20100428_063822_000000372089_00020_42659_7217.N1	28-APR-2010 06:38:22	Bright	36.500	32	77Eps UMa	1.7630	11000.	73	42659	No
86	GOM_TRA_1PNPDE20100428_064429_000000392089_00020_42659_7218.N1	28-APR-2010 06:44:29	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	42659	No
87	GOM_TRA_1PNPDE20100428_211444_000000422089_00029_42668_7314.N1	28-APR-2010 21:14:44	Straylight	41.500	81	Eta Cen	2.3560	28000.	83	42668	No
88	GOM_TRA_1PNPDE20100428_212232_000000482089_00029_42668_7315.N1	28-APR-2010 21:22:32	Bright	48.000	122	9Alp2Lib	2.7470	9700.0	96	42668	No
89	GOM_TRA_1PNPDE20100428_213325_000000392089_00029_42668_7316.N1	28-APR-2010 21:33:25	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	42668	No
90	GOM_TRA_1PNPDE20100428_213845_000000362089_00029_42668_7317.N1	28-APR-2010 21:38:45	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	42668	No
91	GOM_TRA_1PNPDE20100428_214017_000000412089_00029_42668_7318.N1	28-APR-2010 21:40:17	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	42668	No
92	GOM_TRA_1PNPDE20100428_214224_000000392089_00029_42668_7319.N1	28-APR-2010 21:42:24	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	42668	No
93	GOM_TRA_1PNPDE20100428_214345_000000352089_00029_42668_7320.N1	28-APR-2010 21:43:45	Bright	34.500	32	77Eps UMa	1.7630	11000.	69	42668	No
94	GOM_TRA_1PNPDE20100428_214951_000000422089_00029_42668_7321.N1	28-APR-2010 21:49:51	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	42668	No
95	GOM_TRA_1PNPDE20100428_220003_000000412089_00029_42668_7322.N1	28-APR-2010 22:00:03	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	42668	No
96	GOM_TRA_1PNPDE20100428_221108_000000452089_00029_42668_7323.N1	28-APR-2010 22:11:08	Bright	45.000	164	44Eta Peg	2.9480	5400.0	90	42668	No
97	GOM_TRA_1PNPDE20100428_221529_000000442089_00029_42668_7324.N1	28-APR-2010 22:15:29	Twilight	43.500	90	54Alp Peg	2.4870	11000.	87	42668	No
98	GOM_TRA_1PNPDE20100428_222158_000000552089_00029_42668_7335.N1	28-APR-2010 22:21:58	Dark	55.000	162	34Alp Aqr	2.9440	5350.0	110	42668	Yes
99	GOM_TRA_1PNPDE20100428_222731_000000472089_00029_42668_7336.N1	28-APR-2010 22:27:31	Dark	47.000	142	49Del Cap	2.8500	8900.0	94	42668	No
100	GOM_TRA_1PNPDE20100428_223219_000000422089_00029_42668_7337.N1	28-APR-2010 22:32:19	Dark	42.000	172	Gam Gru	3.0030	13100.	84	42668	No
101	GOM_TRA_1PNPDE20100428_223921_000000412089_00030_42669_7338.N1	28-APR-2010 22:39:21	Dark	41.000	45	Alp Pav	1.9400	26000.	82	42669	No
102	GOM_TRA_1PNPDE20100428_224656_000000422089_00030_42669_7339.N1	28-APR-2010 22:46:56	Straylight	41.500	141	Bet Ara	2.8400	4600.0	83	42669	No
103	GOM_TRA_1PNPDE20100428_224839_000000522089_00030_42669_7340.N1	28-APR-2010 22:48:39	Straylight	52.000	40	The Sco	1.8590	7100.0	104	42669	No
104	GOM_TRA_1PNPDE20100428_225521_000000422089_00030_42669_7341.N1	28-APR-2010 22:55:21	Straylight	42.000	81	Eta Cen	2.3560	28000.	84	42669	No
105	GOM_TRA_1PNPDE20100428_230308_000000482089_00030_42669_7342.N1	28-APR-2010 23:03:08	Bright	47.500	122	9Alp2Lib	2.7470	9700.0	95	42669	No
106	GOM_TRA_1PNPDE20100428_231400_000000402089_00030_42669_7343.N1	28-APR-2010 23:14:00	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	42669	No
107	GOM_TRA_1PNPDE20100428_231921_000000372089_00030_42669_7344.N1	28-APR-2010 23:19:21	Bright	37.000	152	12Alp2CVn	2.8900	11000.	74	42669	No
108	GOM_TRA_1PNPDE20100428_232052_000000412089_00030_42669_7345.N1	28-APR-2010 23:20:52	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	42669	No
109	GOM_TRA_1PNPDE20100428_232259_000000372089_00030_42669_7346.N1	28-APR-2010 23:22:59	Bright	36.500	39	85Eta UMa	1.8540	24000.	73	42669	No
110	GOM_TRA_1PNPDE20100428_232421_000000372089_00030_42669_7347.N1	28-APR-2010 23:24:21	Bright	37.000	32	77Eps UMa	1.7630	11000.	74	42669	No
111	GOM_TRA_1PNPDE20100428_233026_000000402089_00030_42669_7348.N1	28-APR-2010 23:30:26	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	42669	No
112	GOM_TRA_1PNPDE20100428_234038_000000422089_00030_42669_7349.N1	28-APR-2010 23:40:38	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	42669	No
113	GOM_TRA_1PNPDE20100428_235144_000000452089_00030_42669_7350.N1	28-APR-2010 23:51:44	Bright	45.000	164	44Eta Peg	2.9480	5400.0	90	42669	No
114	GOM_TRA_1PNPDE20100428_235605_000000442089_00030_42669_7351.N1	28-APR-2010 23:56:05	Twilight	44.000	90	54Alp Peg	2.4870	11000.	88	42669	No

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



4. Overview of dark signal processing per product

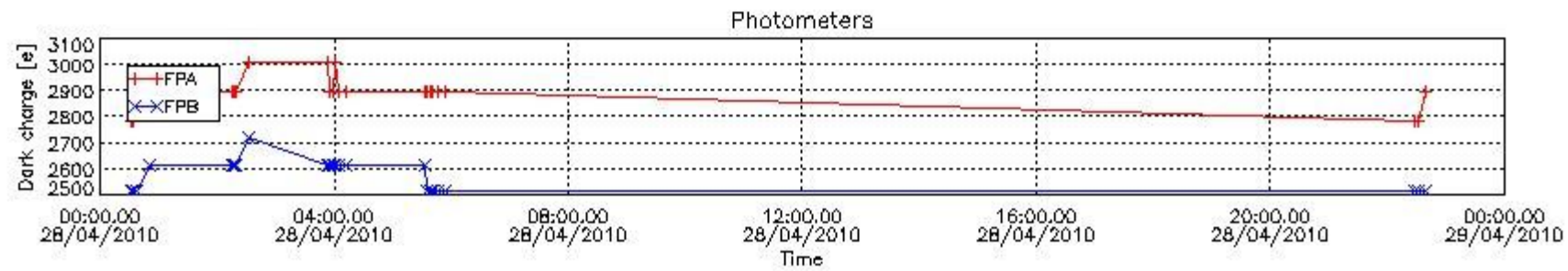
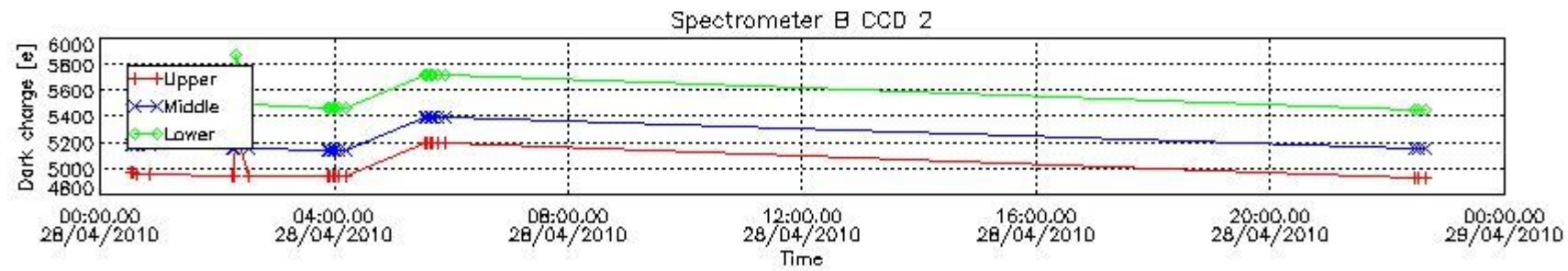
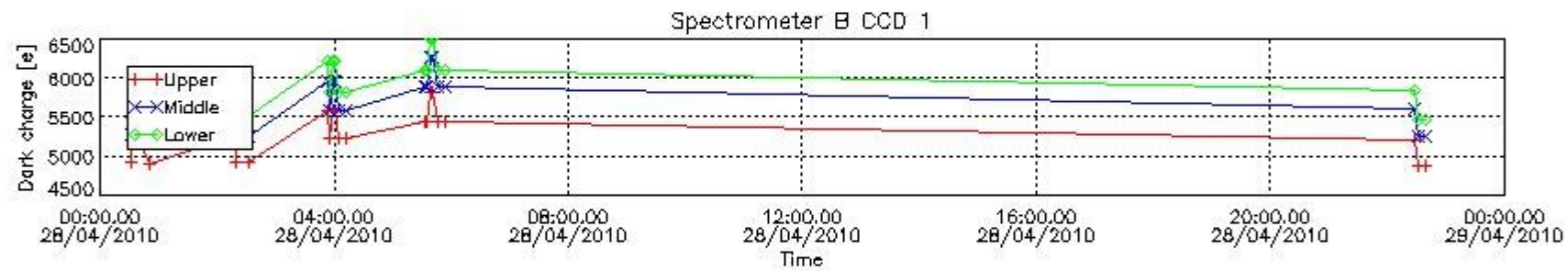
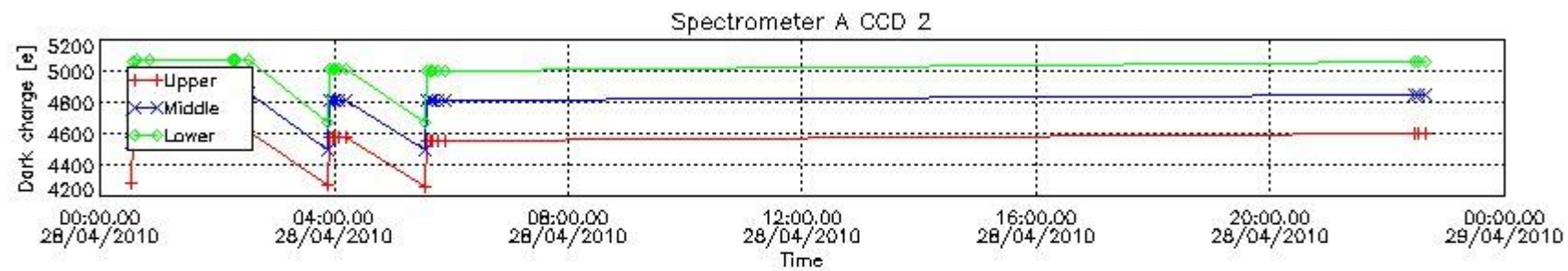
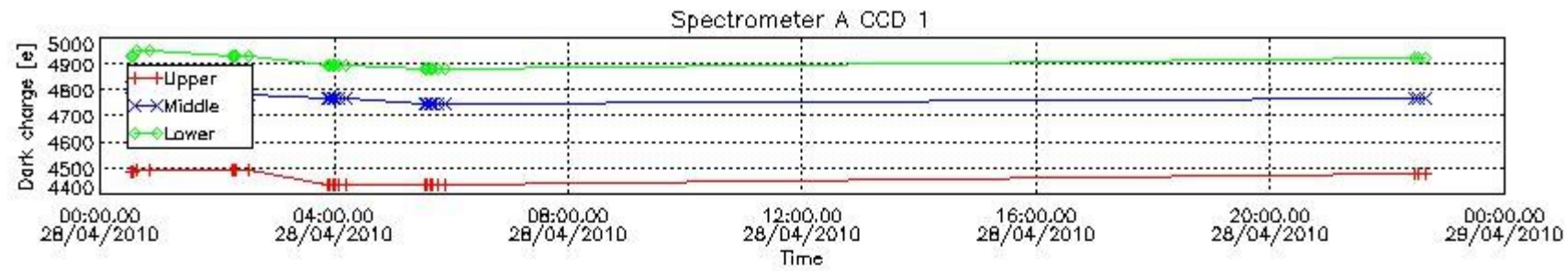
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

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

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

Product name	DC information
GOM_TRA_1PNPDE20100428_211444_000000422089_00029_42668_7314.N1	DC map used
GOM_TRA_1PNPDE20100428_212232_000000482089_00029_42668_7315.N1	DC map used
GOM_TRA_1PNPDE20100428_213325_000000392089_00029_42668_7316.N1	DC map used
GOM_TRA_1PNPDE20100428_213845_000000362089_00029_42668_7317.N1	DC map used
GOM_TRA_1PNPDE20100428_214017_000000412089_00029_42668_7318.N1	DC map used
GOM_TRA_1PNPDE20100428_214224_000000392089_00029_42668_7319.N1	DC map used
GOM_TRA_1PNPDE20100428_214345_000000352089_00029_42668_7320.N1	DC map used
GOM_TRA_1PNPDE20100428_214951_000000422089_00029_42668_7321.N1	DC map used
GOM_TRA_1PNPDE20100428_220003_000000412089_00029_42668_7322.N1	DC map used
GOM_TRA_1PNPDE20100428_221108_000000452089_00029_42668_7323.N1	DC map used
GOM_TRA_1PNPDE20100428_221529_000000442089_00029_42668_7324.N1	DC map used

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



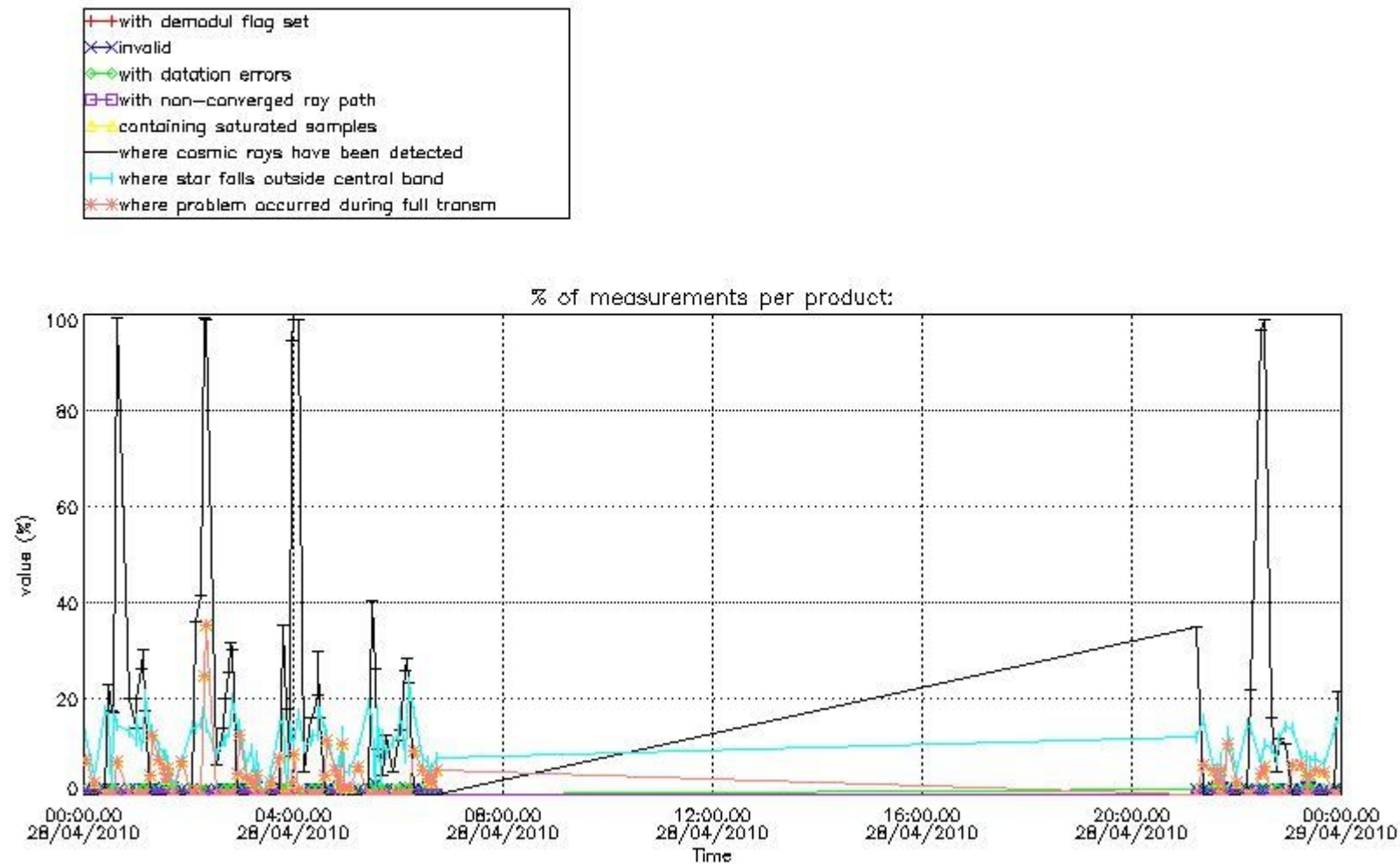
5. Demodulation flag and quality information monitoring

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.

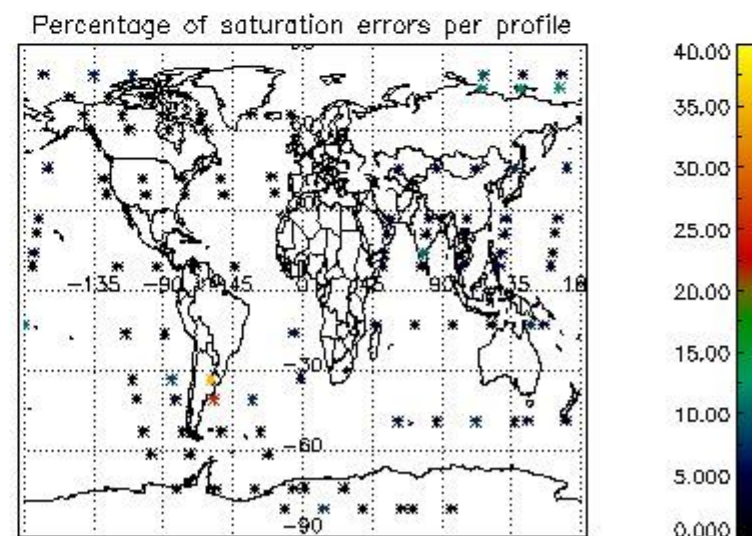
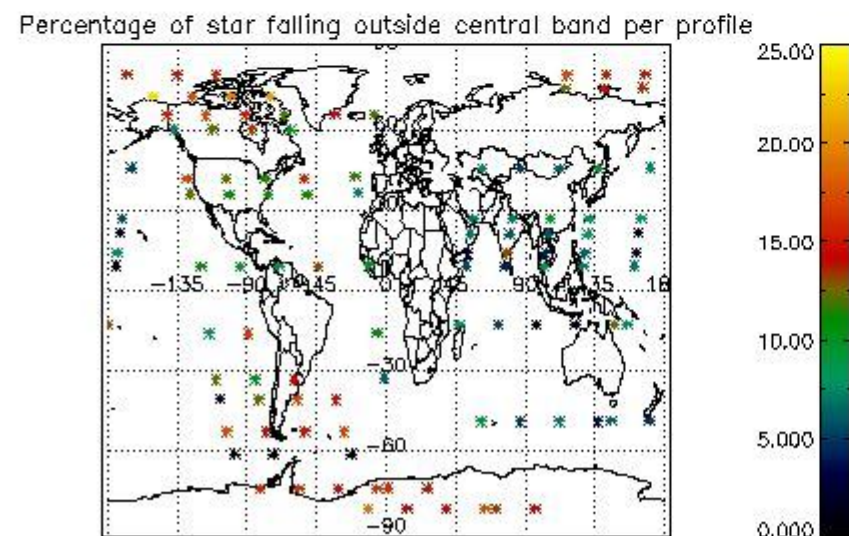
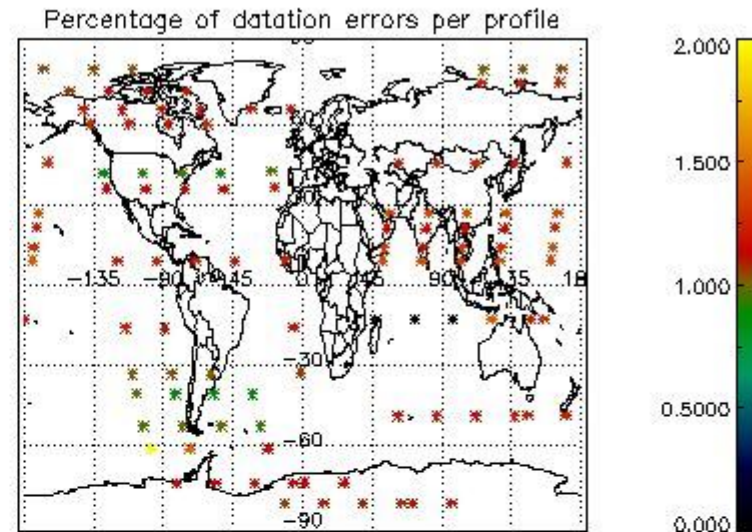
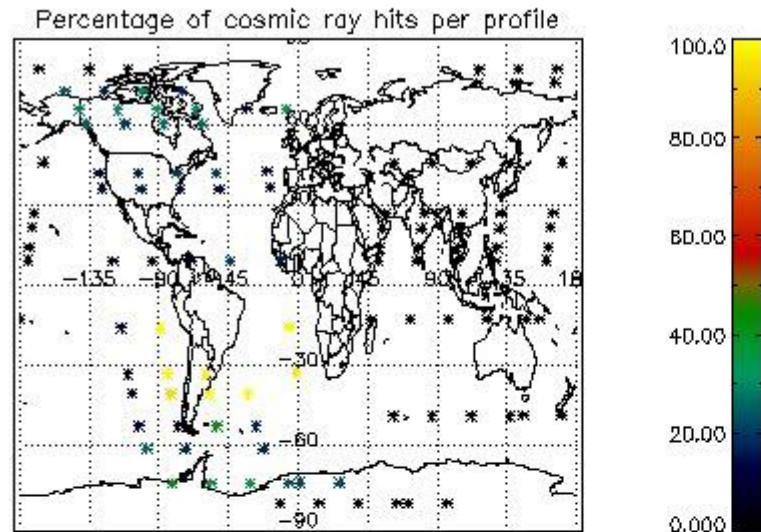
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	37.8378 %
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)



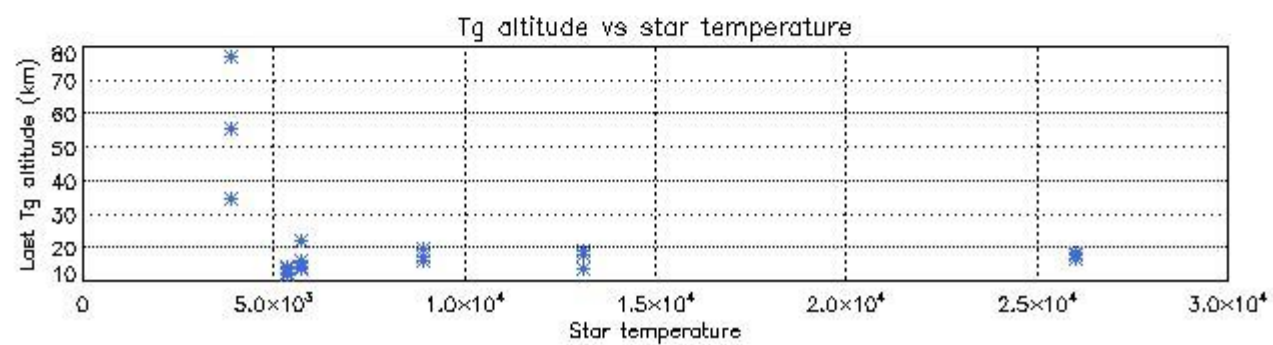
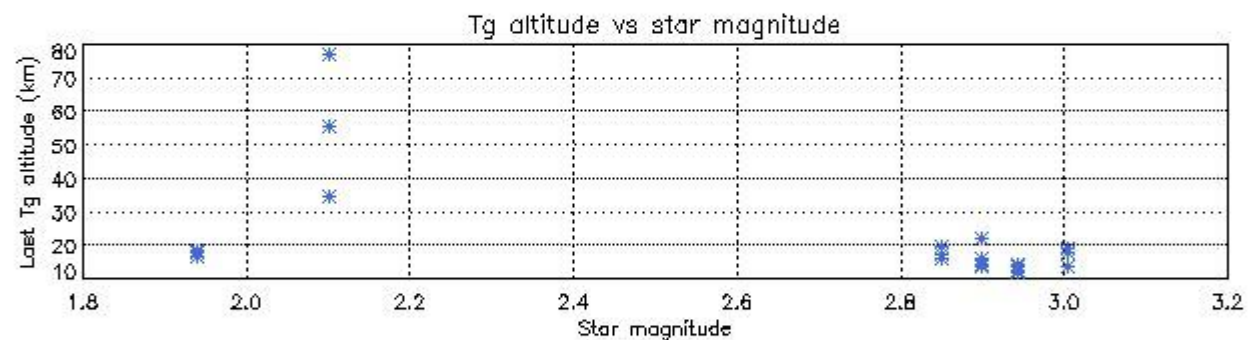
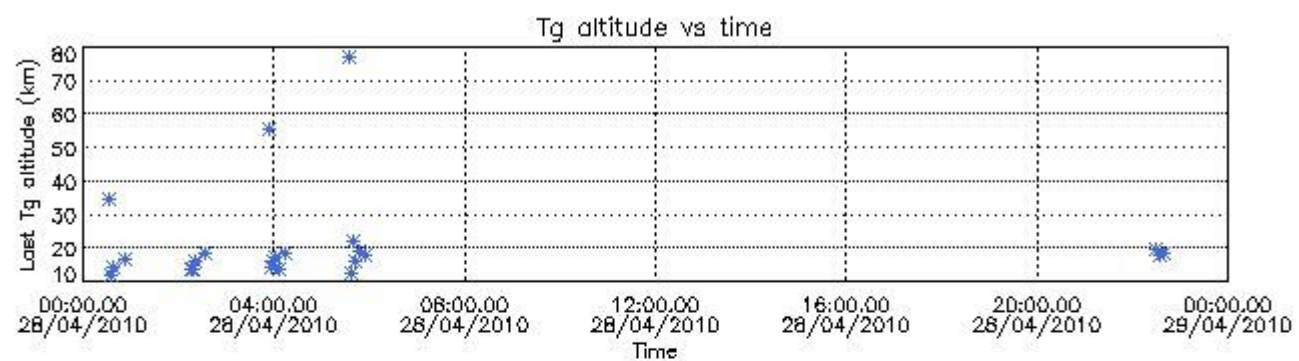
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	21.447	19.462	13.435
St. deviation:	15.212	3.6756	0.50819
Maximum:	76.913	27.914	14.159
Minimum:	11.737	12.096	12.695
Number of data:	23.000	58.000	6.0000

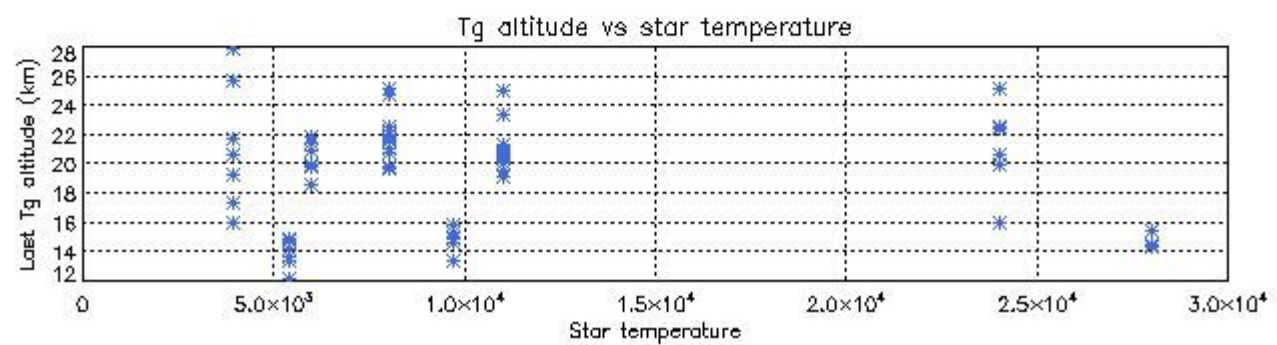
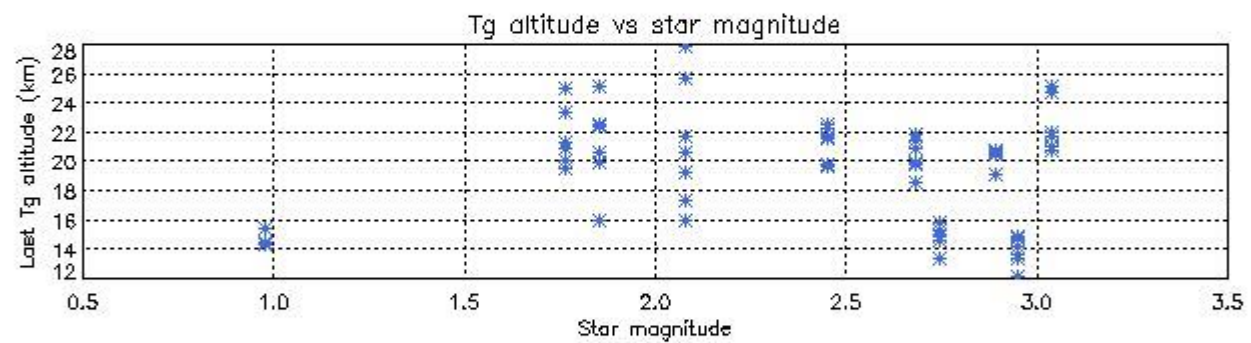
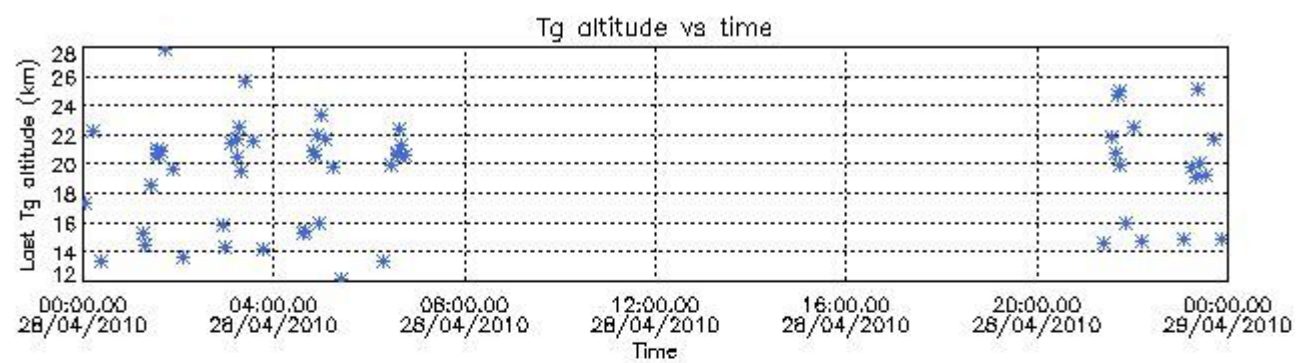
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



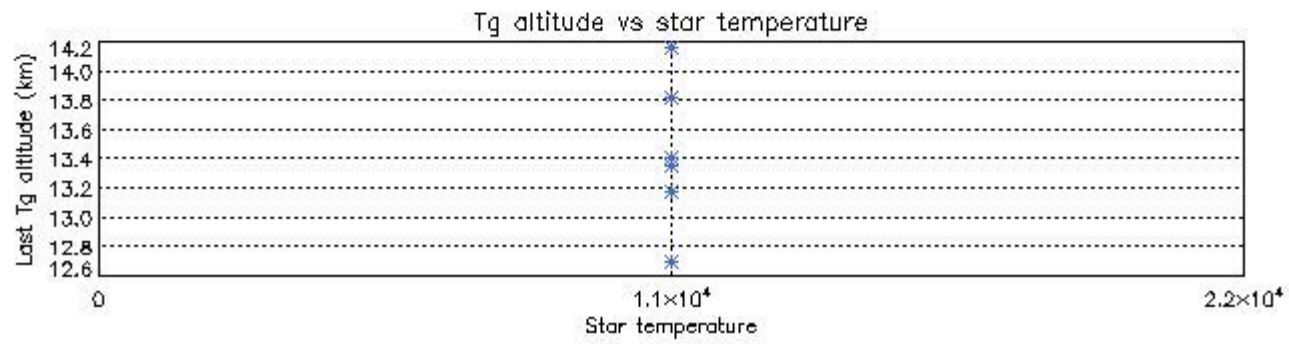
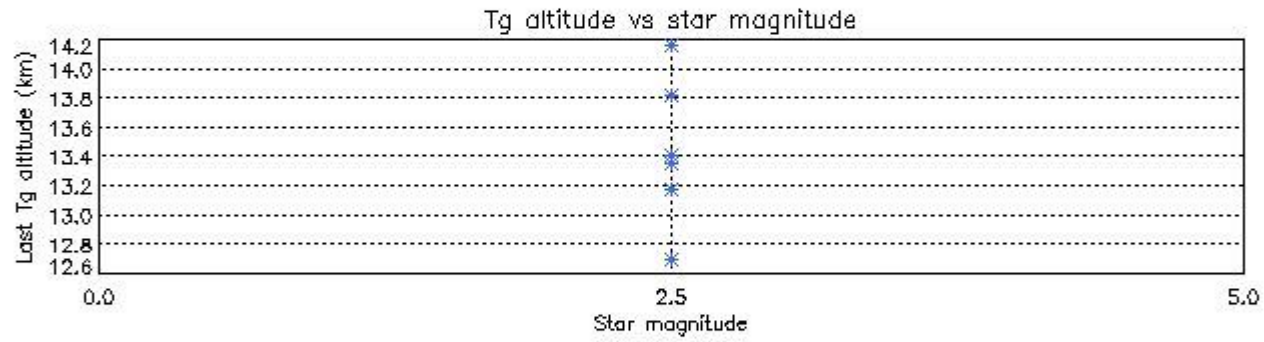
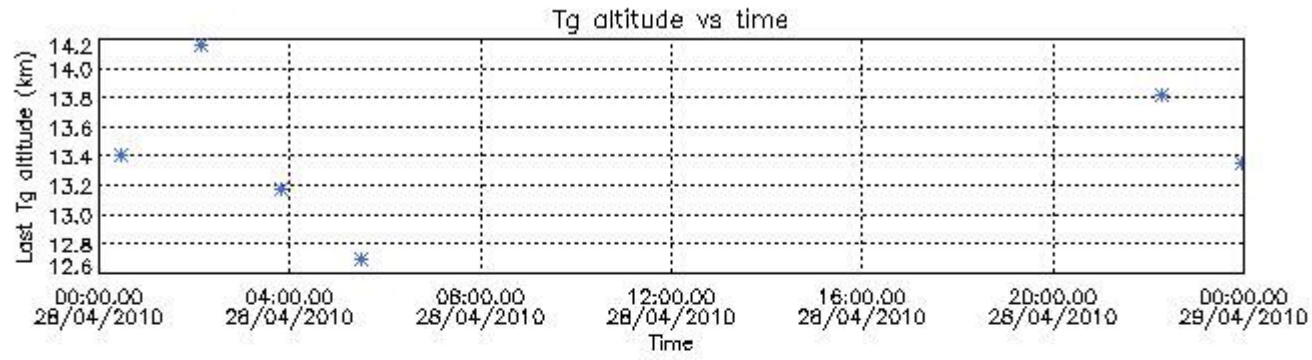
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

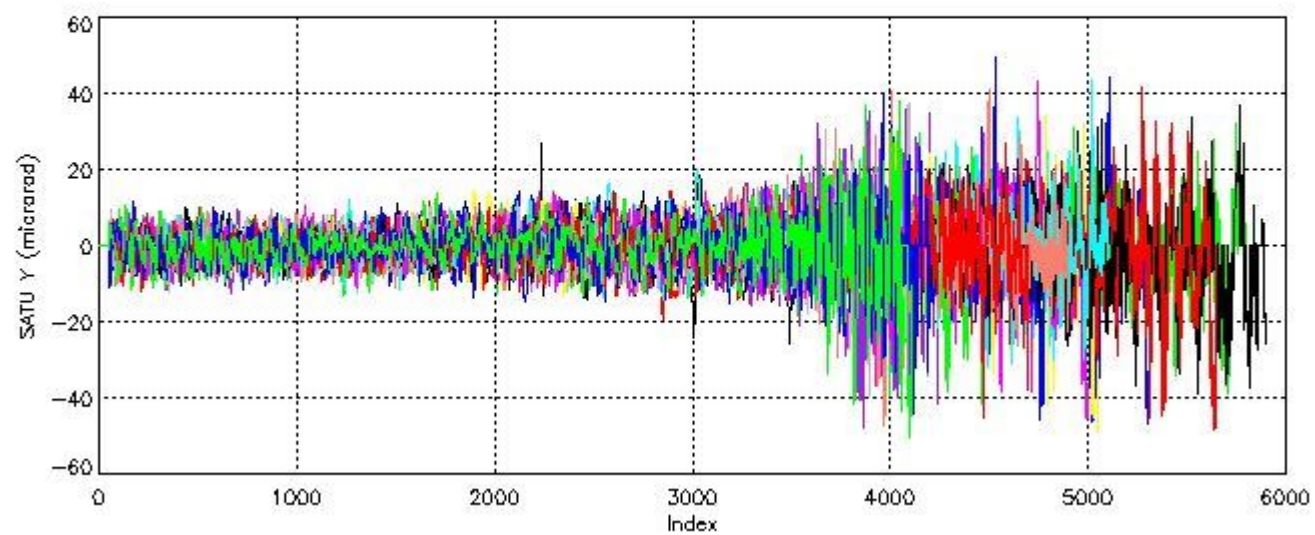
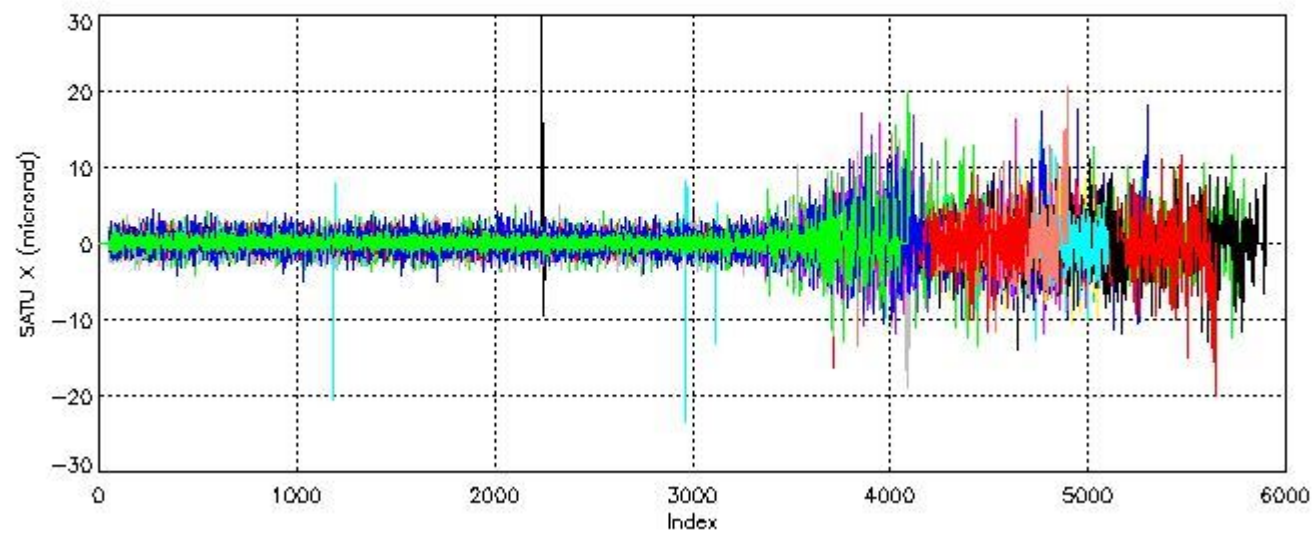


7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.



7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.20941	-0.69683	0.18892	-0.74791
St. deviation:	0.75614	3.2906	0.89518	3.1899
Maximum:	4.4000	11.400	6.1000	13.800
Minimum:	-4.2000	-12.500	-6.0000	-15.300

Number of data:	25000.	25000.	54700.	54700.
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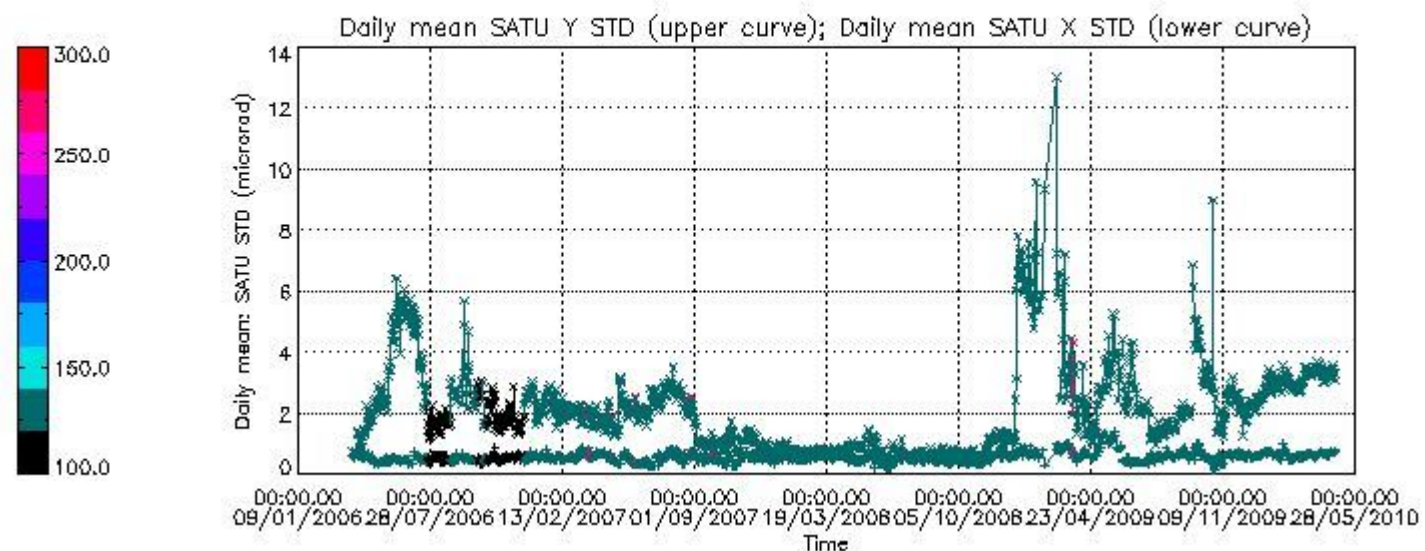
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

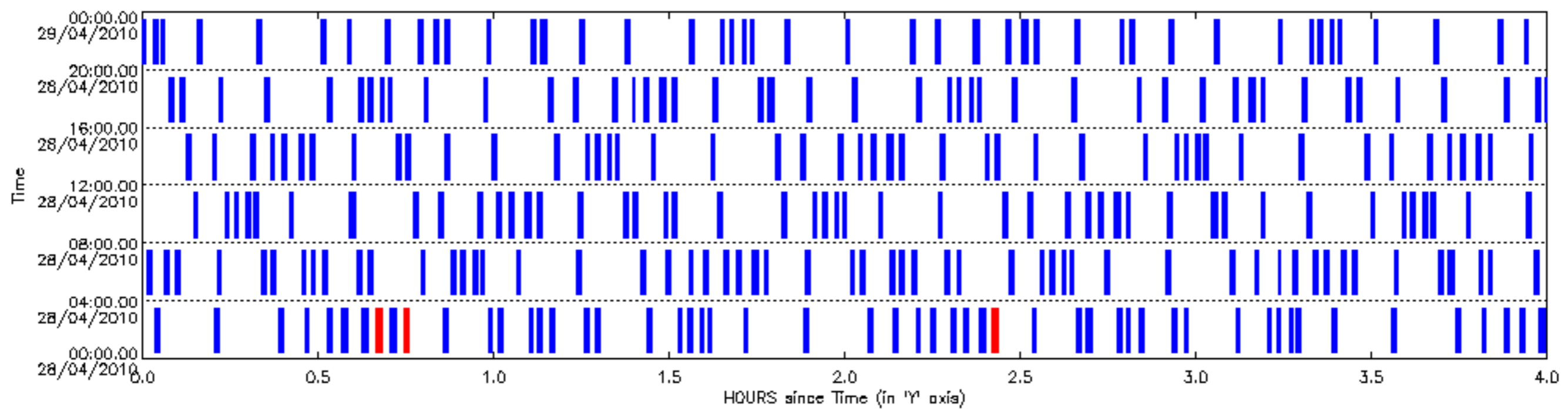
Lower curve: STD of SATU X axis

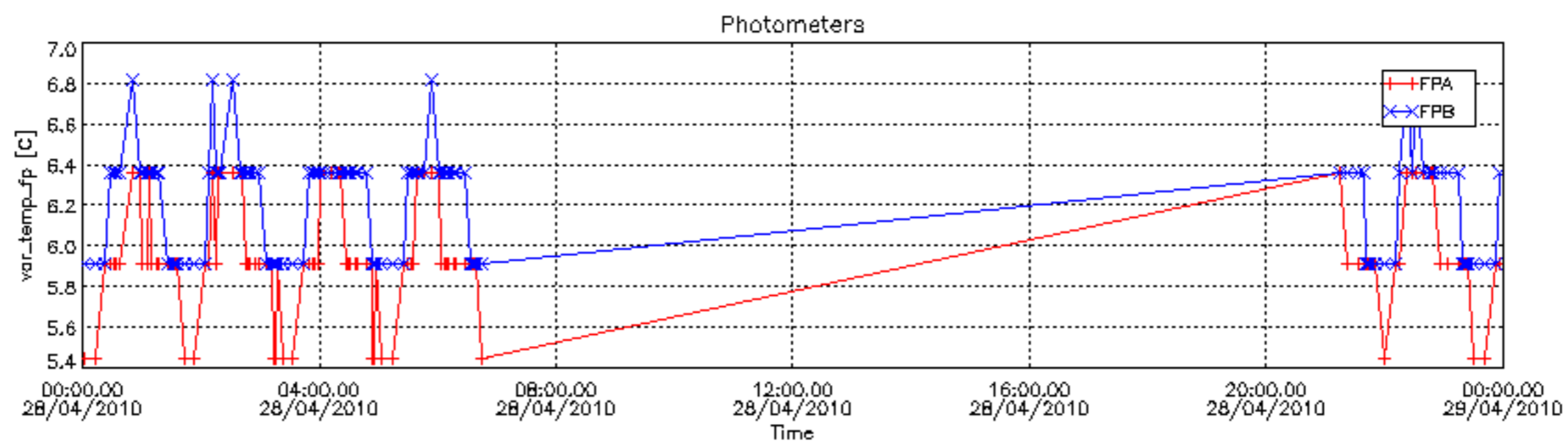
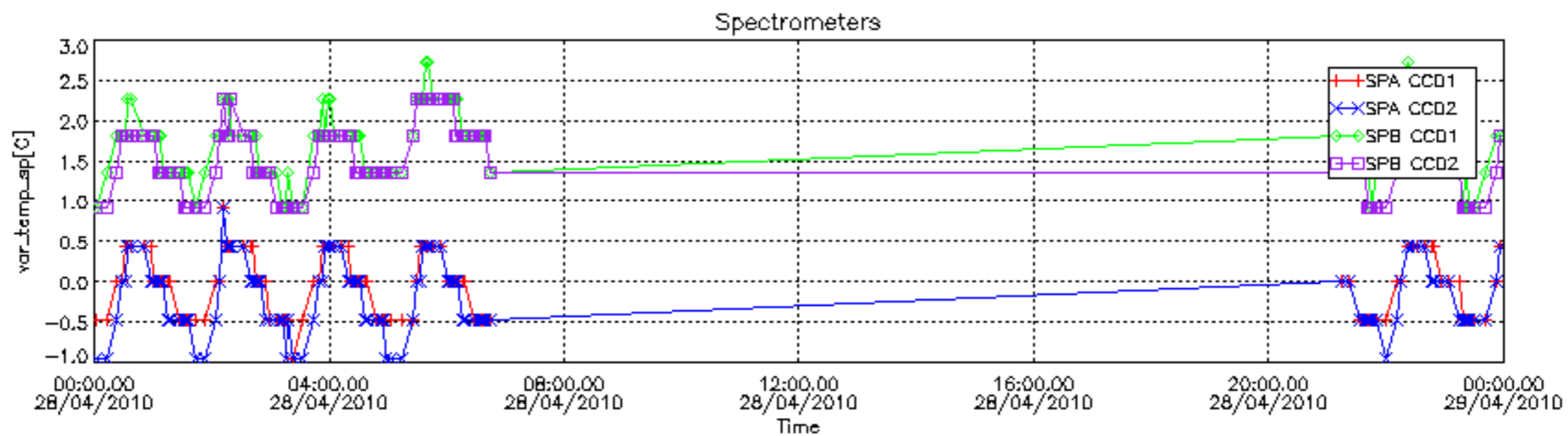


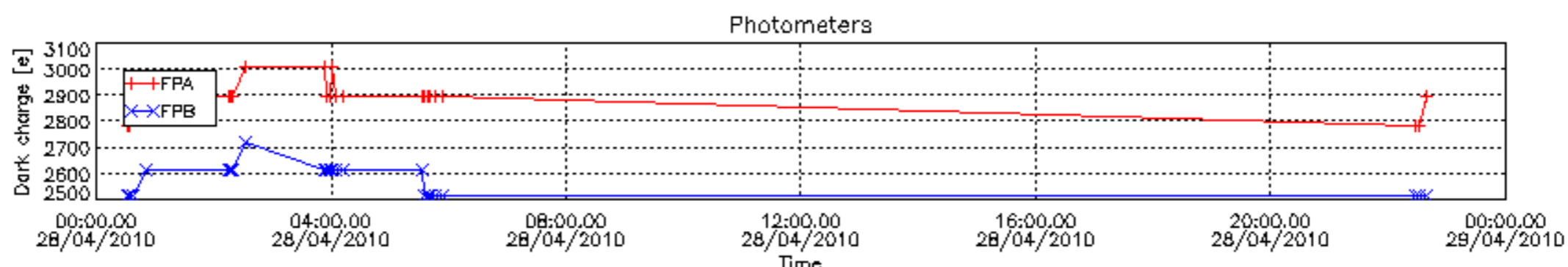
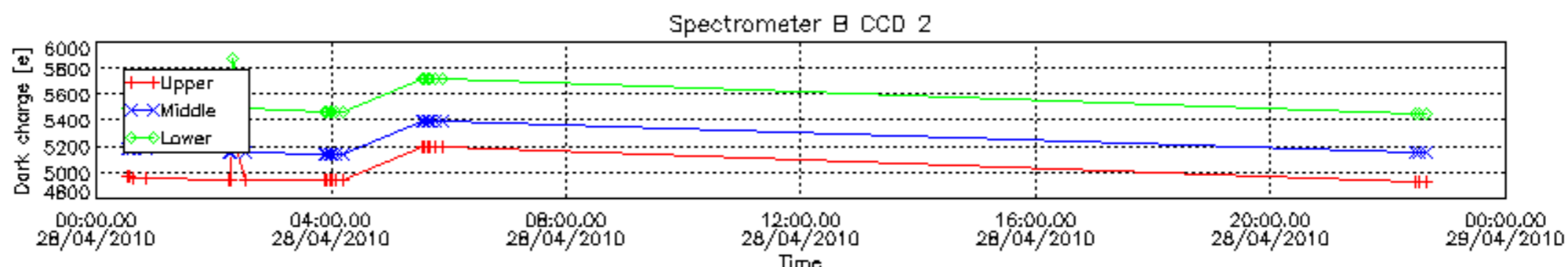
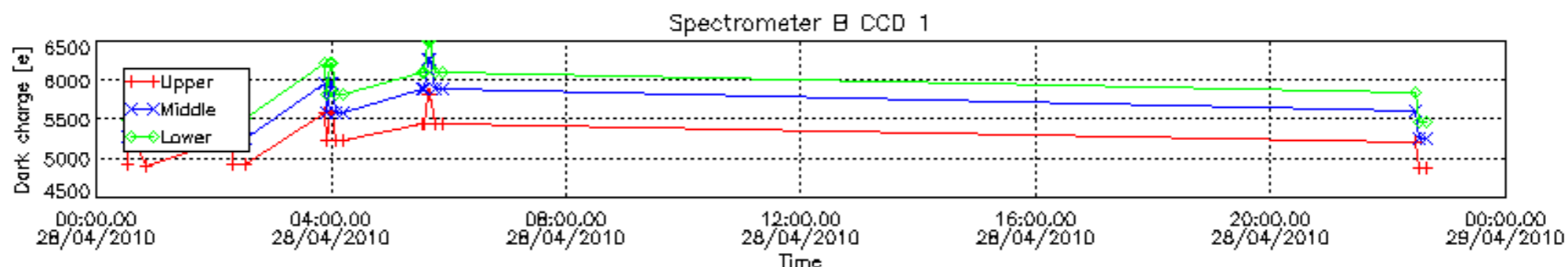
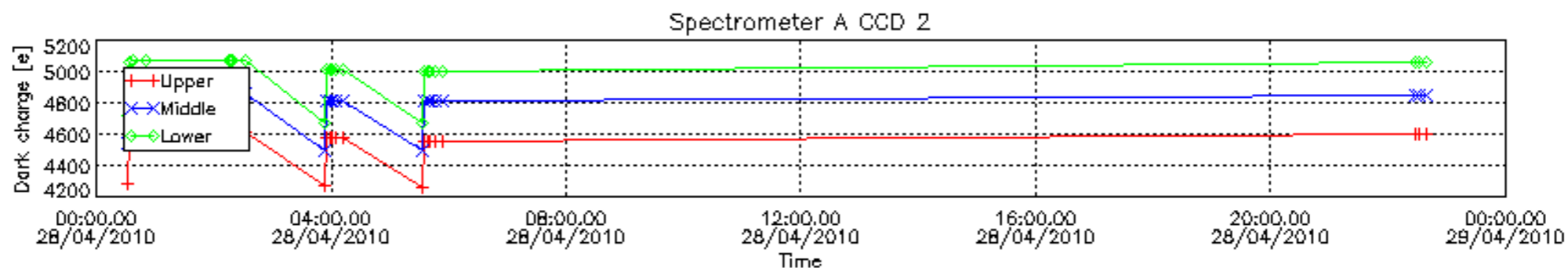
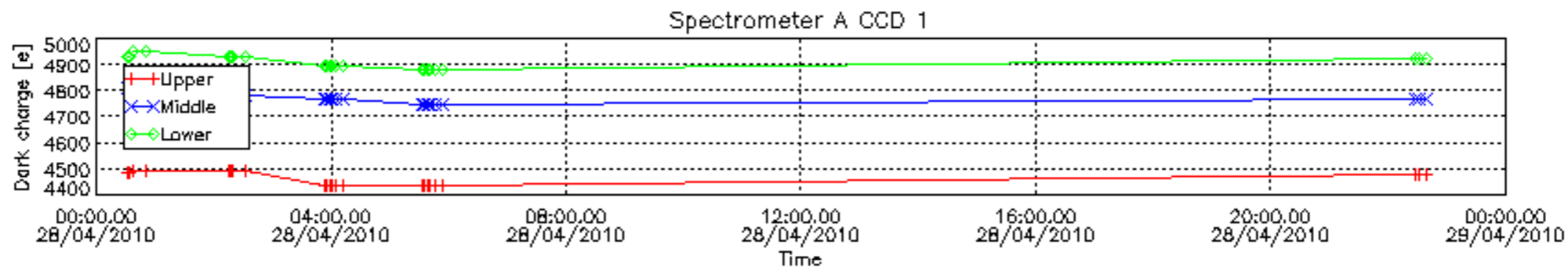
8. Auxiliary Data Files used for the production reported in section 2.4

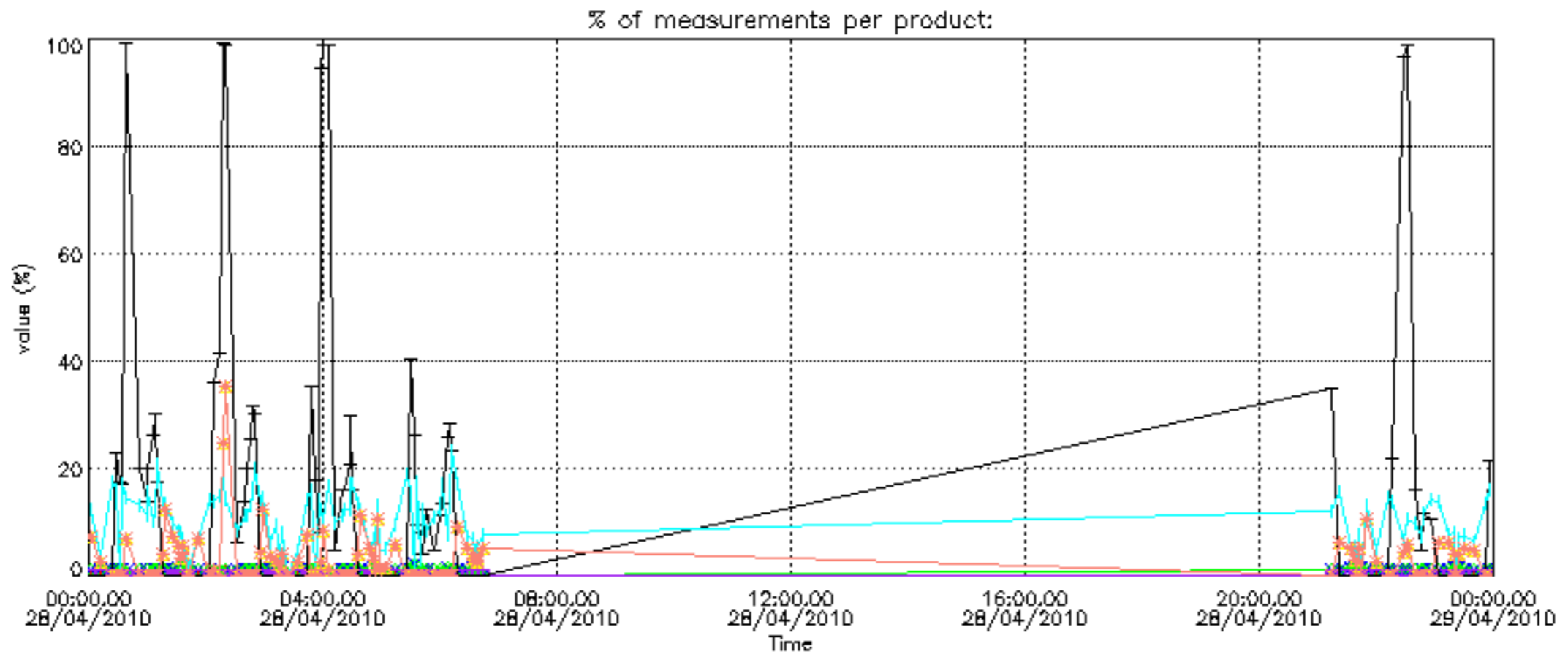
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	28-APR-2010 00:02:06
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100421_081220_20100420_000000_20500101_000000	1	28-APR-2010 00:02:06
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100428_080918_20100427_000000_20500101_000000	87	28-APR-2010 21:14:44
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	28-APR-2010 00:02:06
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	28-APR-2010 00:02:06
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	28-APR-2010 00:02:06
ECMWF_FILE	AUX_ECF_AXNECM20100427_054118_20100427_210000_20100428_090000	1	28-APR-2010 00:02:06
ECMWF_FILE	AUX_ECF_AXNECM20100427_172116_20100428_030000_20100428_150000	43	28-APR-2010 03:33:30
ECMWF_FILE	AUX_ECA_AXNECM20100428_052116_20100427_210000_20100428_090000	65	28-APR-2010 05:14:05
ECMWF_FILE	AUX_ECF_AXNECM20100428_054115_20100428_210000_20100429_090000	87	28-APR-2010 21:14:44
OPTIONAL_ECMWF_FILE	MISSING	1	28-APR-2010 00:02:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100427_225252_000057382089_00015_42654_0240.N1	1	28-APR-2010 00:02:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100428_003349_000054192089_00016_42655_0241.N1	7	28-APR-2010 00:37:27
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100427_100116_20100426_183807_20100506_200419	25	28-APR-2010 02:12:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100428_051006_000057382089_00019_42658_0244.N1	65	28-APR-2010 05:14:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100428_210628_000041442089_00029_42668_0245.N1	87	28-APR-2010 21:14:44
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100428_222052_000057382089_00029_42668_0246.N1	98	28-APR-2010 22:21:58

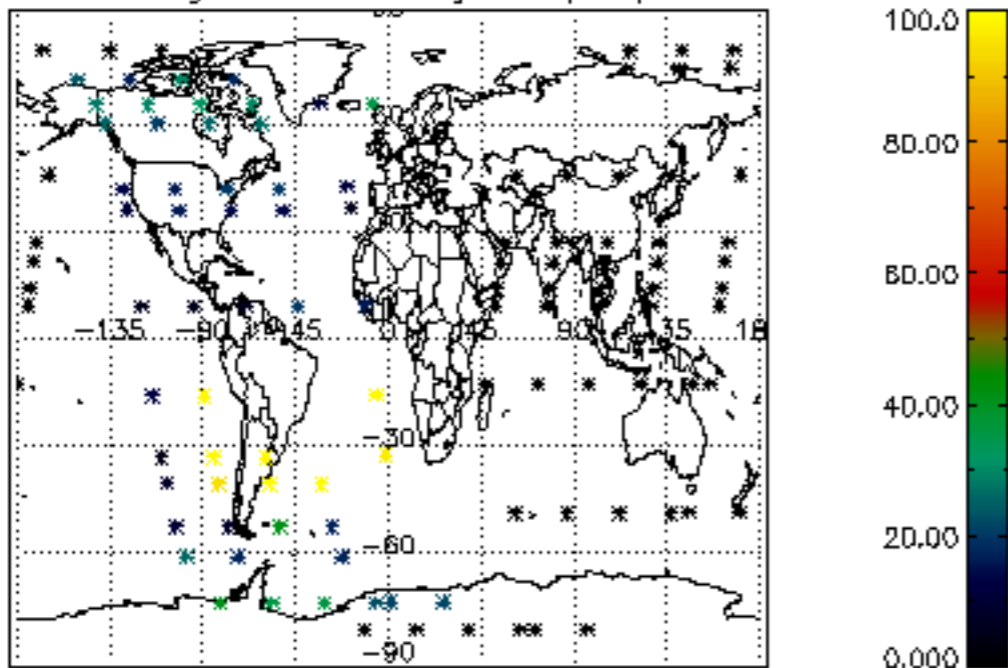




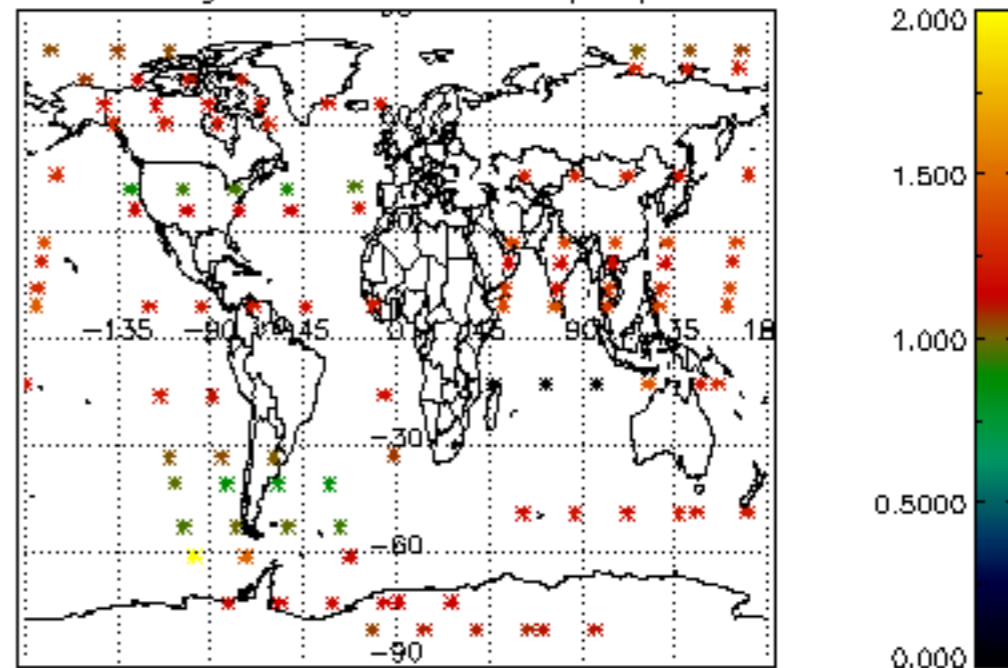




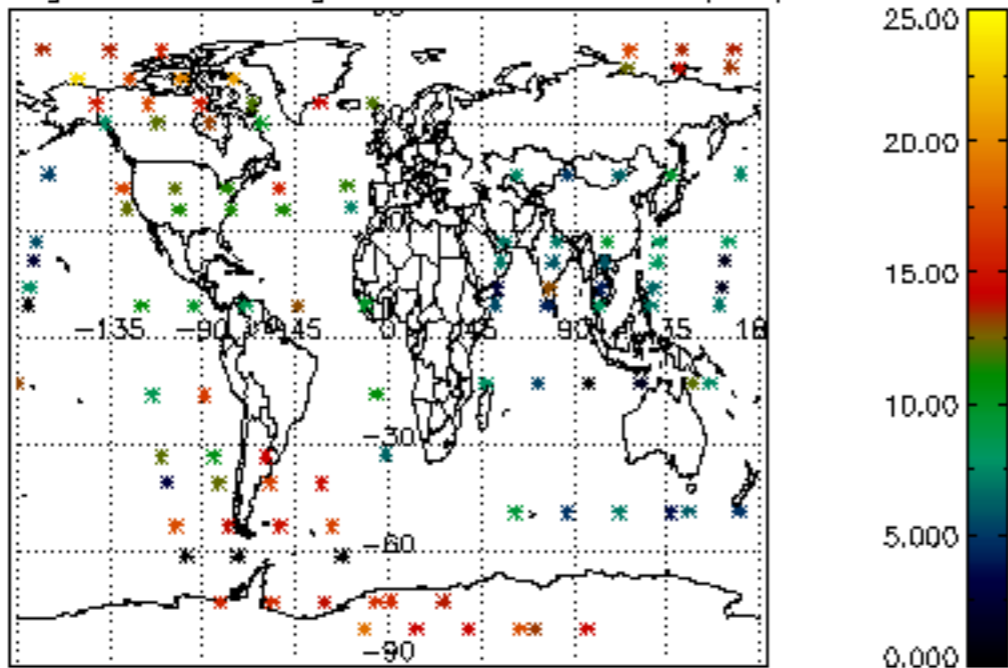
Percentage of cosmic ray hits per profile



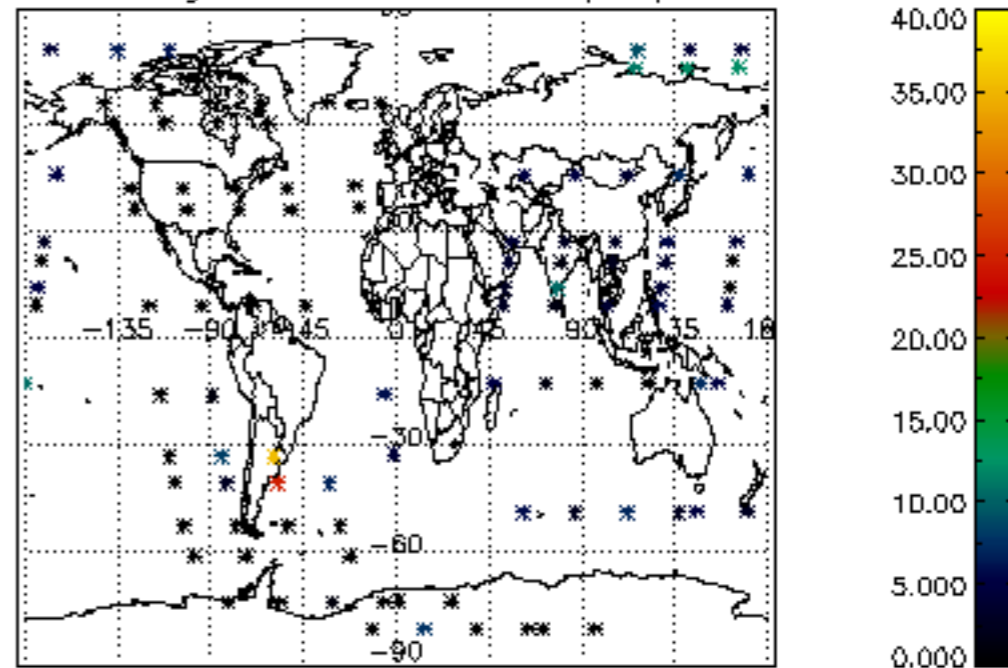
Percentage of datation errors per profile



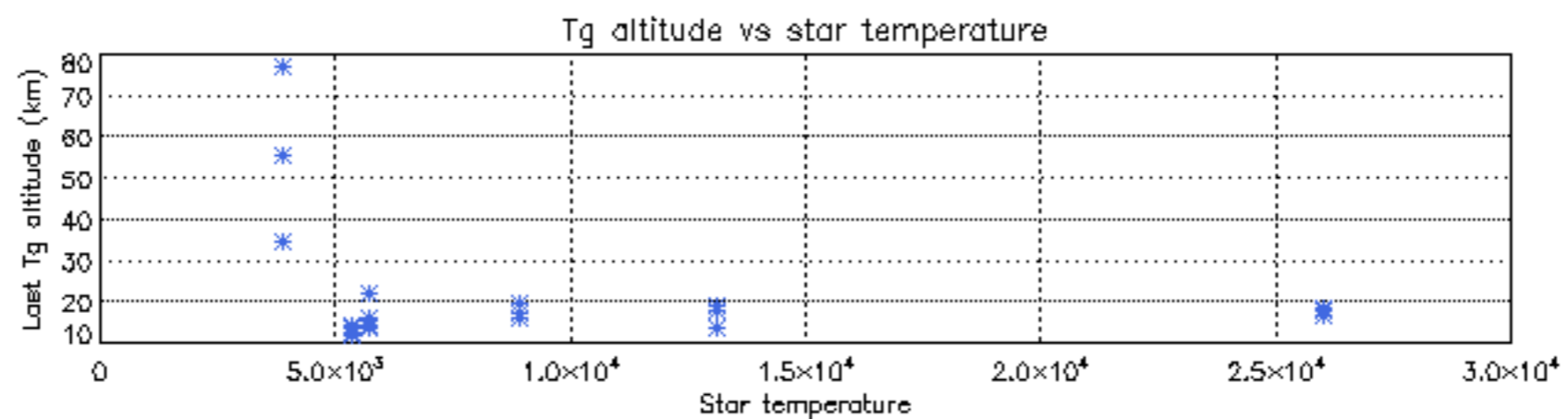
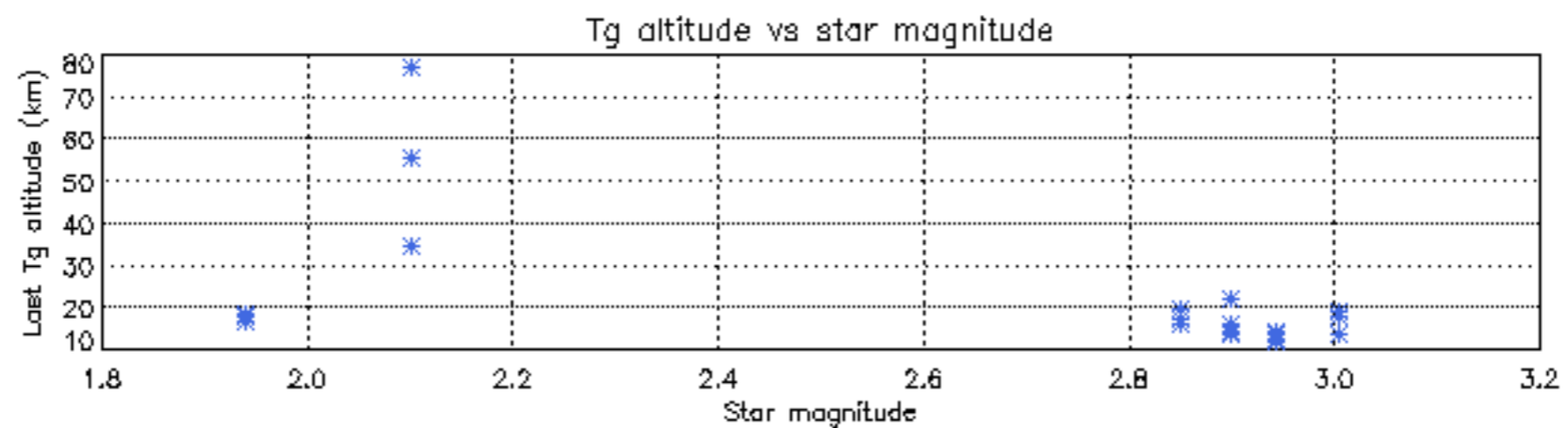
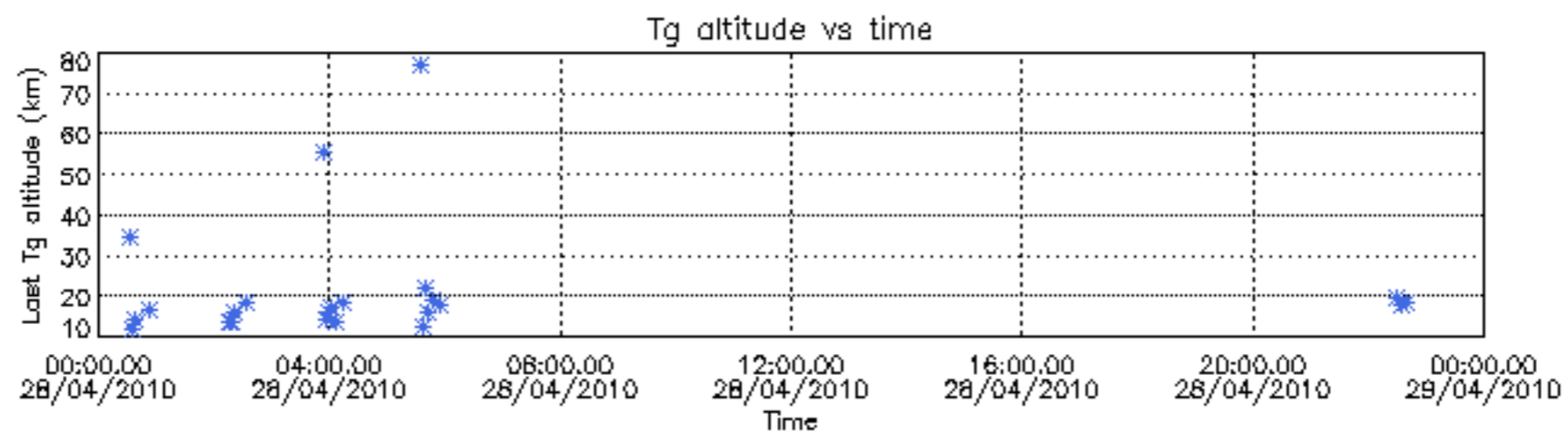
Percentage of star falling outside central band per profile



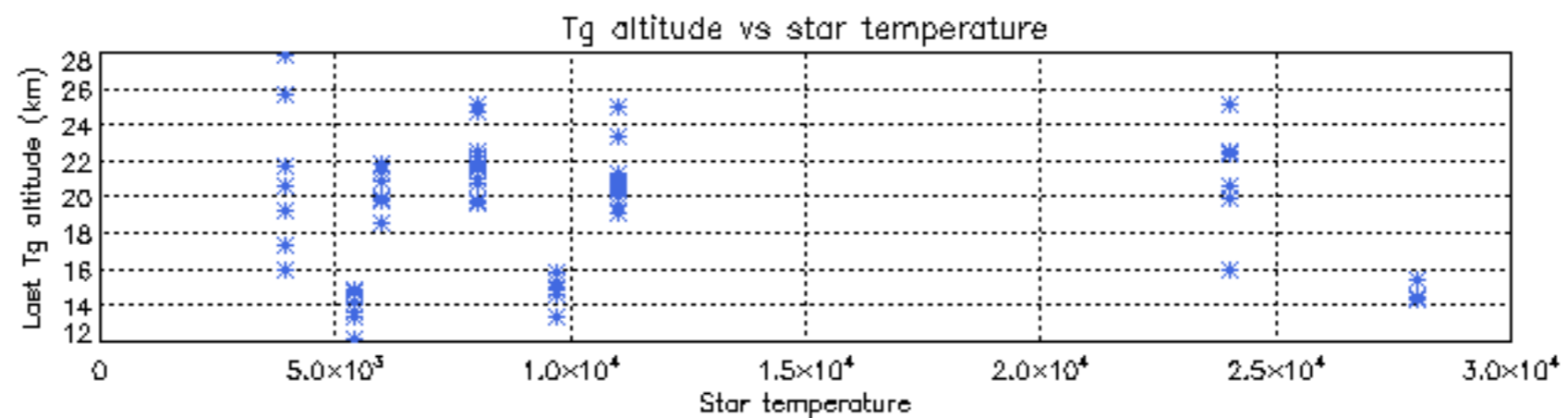
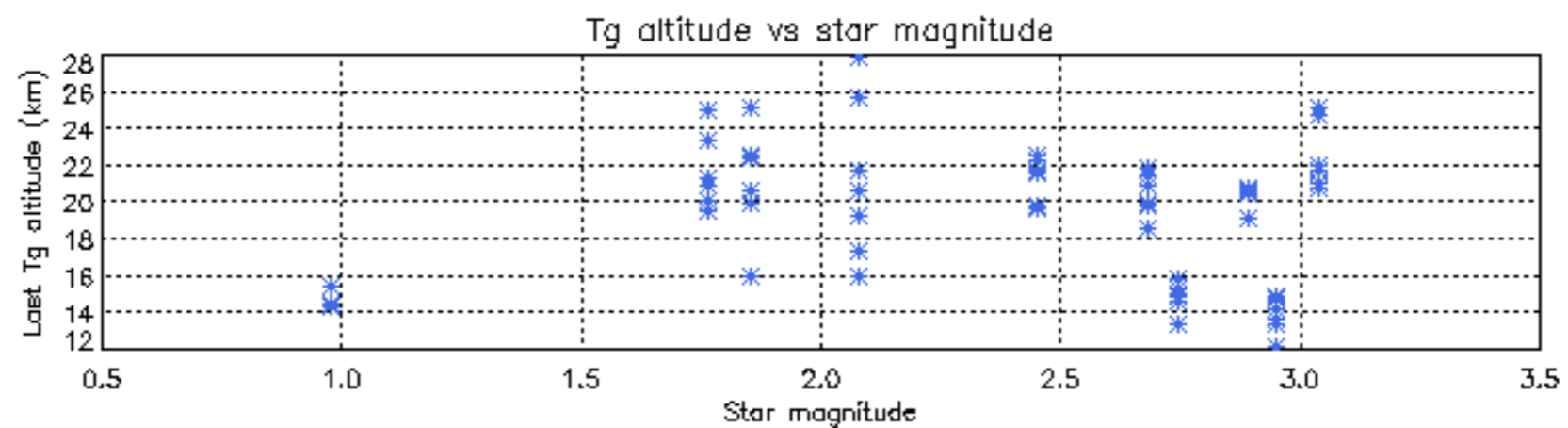
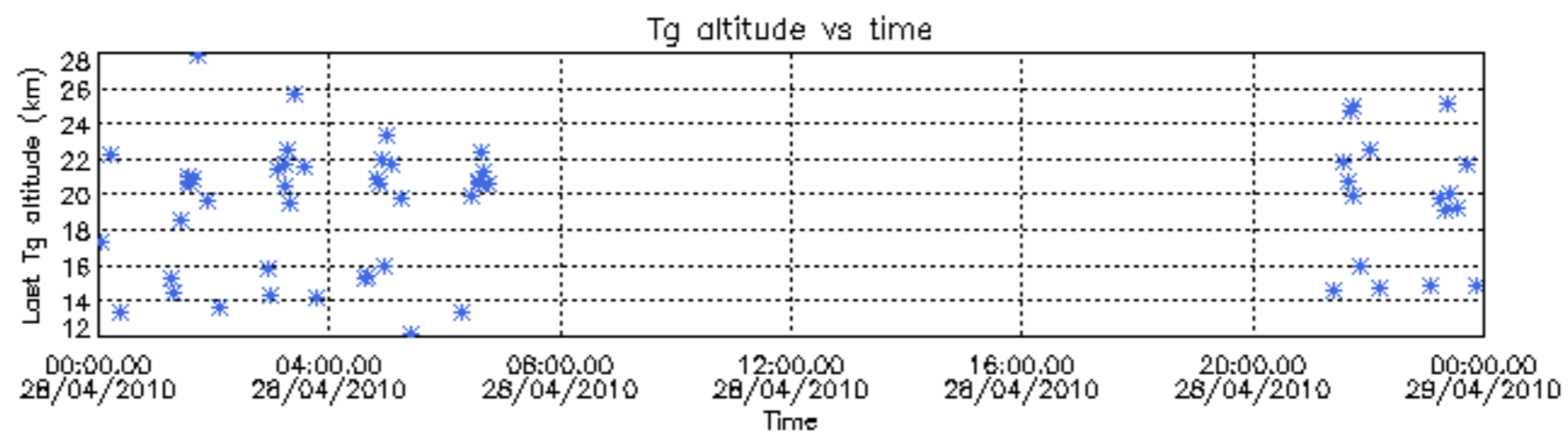
Percentage of saturation errors per profile



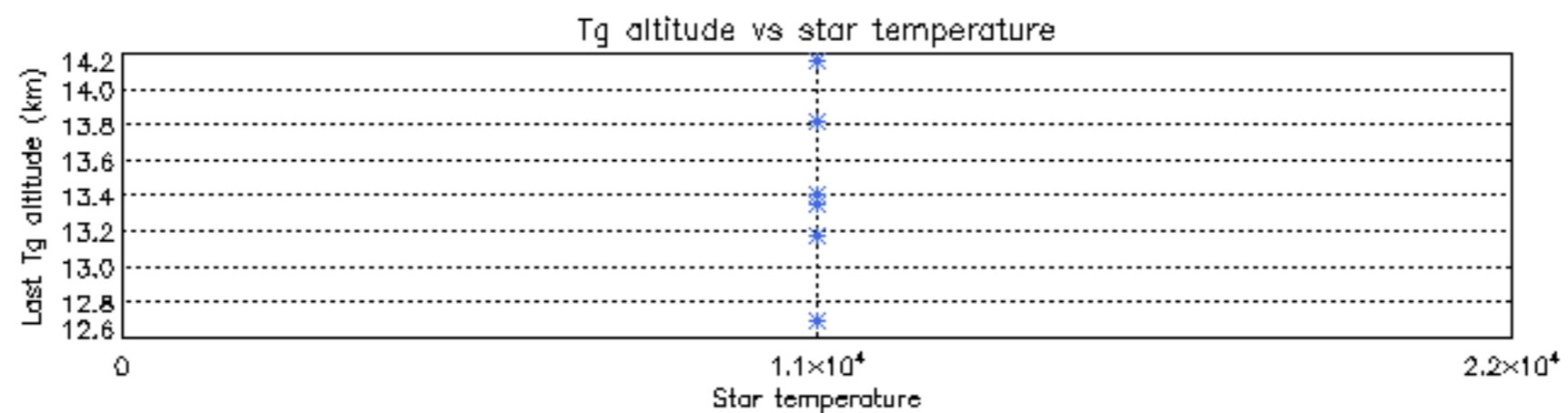
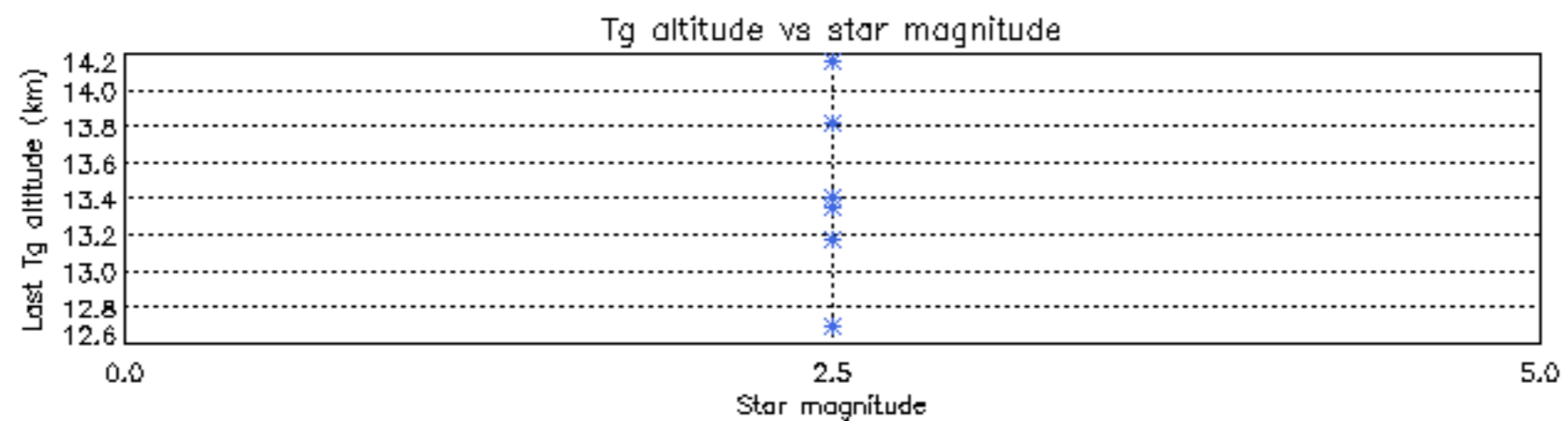
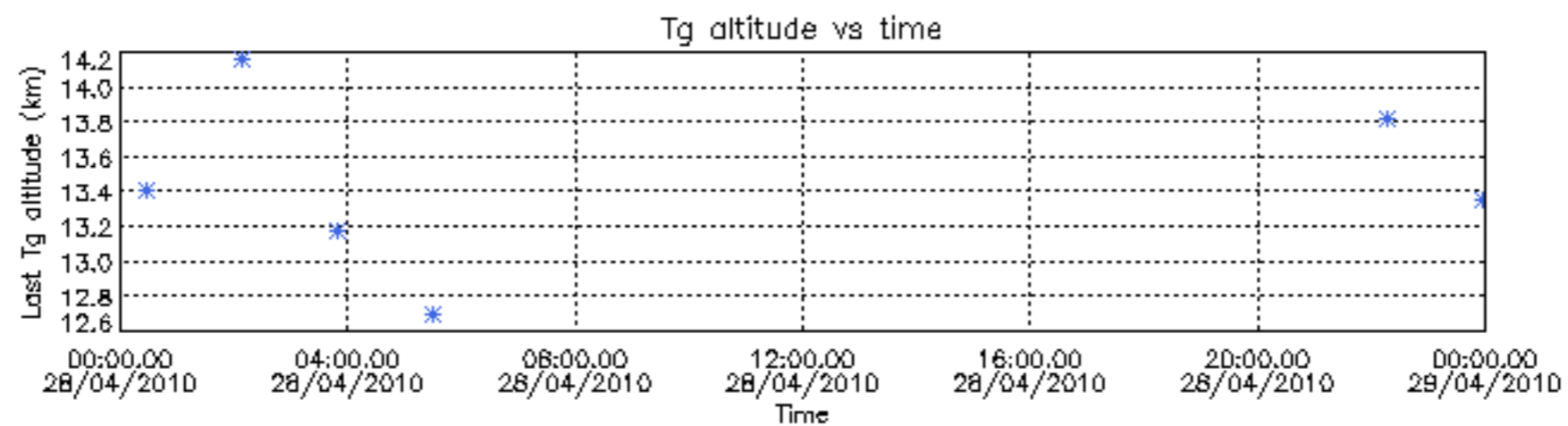
Tangent altitude at which the star is lost

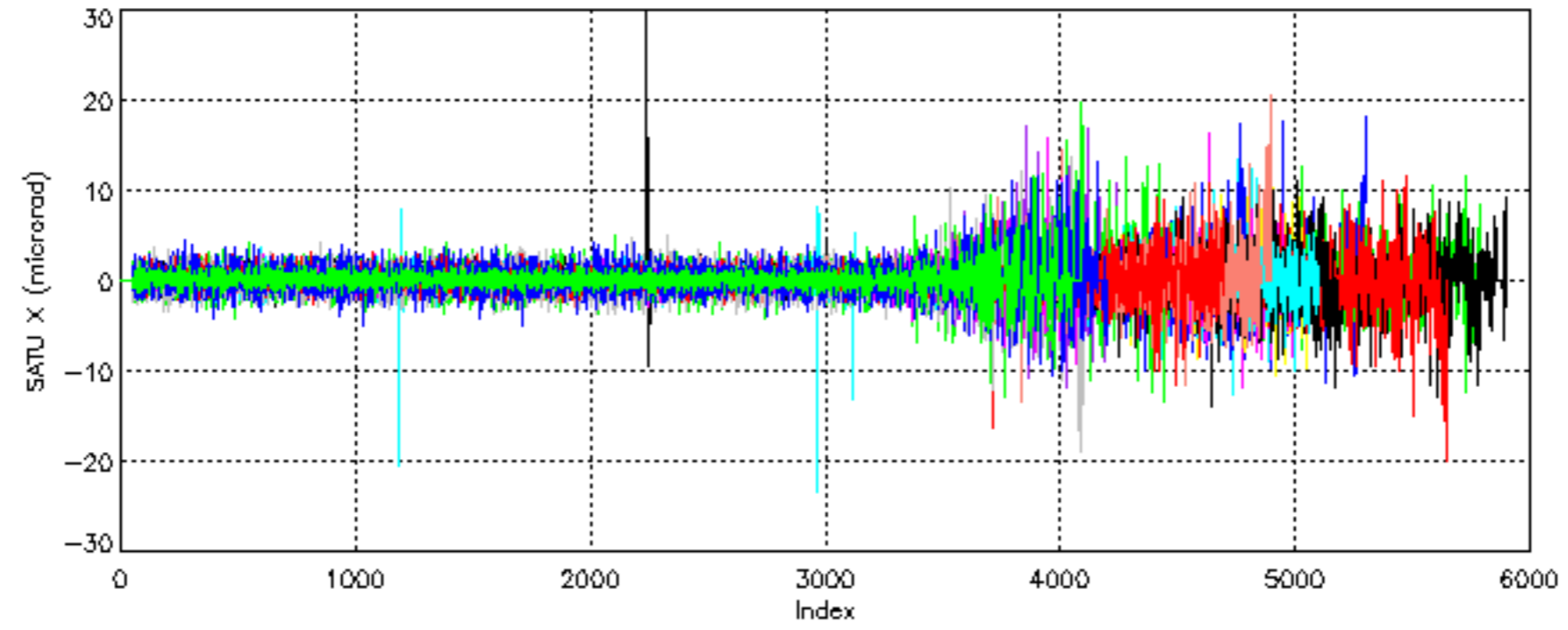


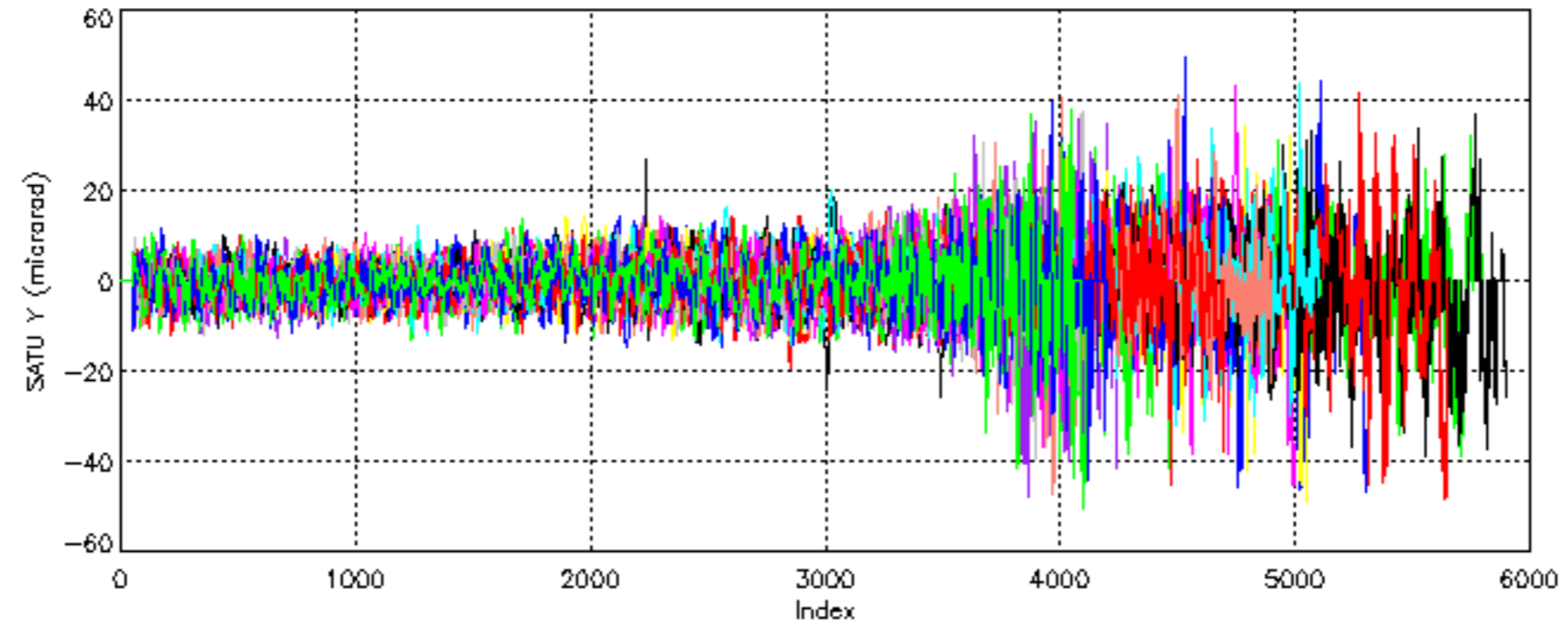
Tangent altitude at which the star is lost

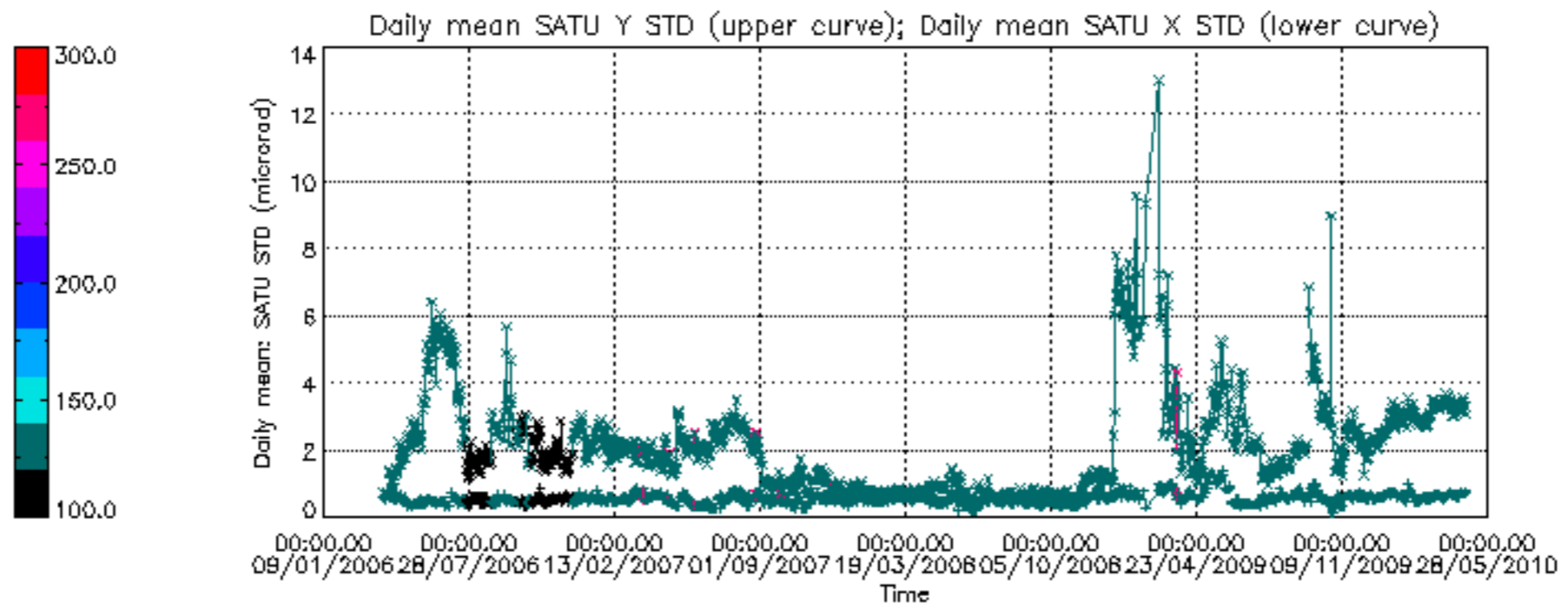


Tangent altitude at which the star is lost









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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

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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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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

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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
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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
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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
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3;-1723.2; 01-APR-2010 06:10:53; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;42272
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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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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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 16; 5110.7; 02-APR-2010 17:36:45; Dark ; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;42293
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 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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 23; 7618.5; 03-APR-2010 09:23:56; Dark ; 44.0; 100; 4Gam Crv ; 2.58; 13100;occ; 88; 0;42303
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 7; 3899.9; 03-APR-2010 10:02:34; Bright; 50.0; 89; 5Alp Cep ; 2.45; 8000;occ; 100; 0;42303
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9; 2650.4; 04-APR-2010 19:13:43; Bright; 40.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 81; 0;42323
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13; 3898.4; 04-APR-2010 19:34:31; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;42323
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21; 4440.0; 04-APR-2010 23:04:44; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;42325
22; 4842.1; 04-APR-2010 23:11:26; Dark ; 49.5; 61; 8Eps Peg ; 2.10; 3900;occ; 99; 0;42325
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 12; 5094.9; 22-APR-2010 13:46:30; Dark ; 49.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 98; 0;42577
 13; 5275.8; 22-APR-2010 13:49:31; Dark ; 51.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 102; 0;42577
 14; 5411.3; 22-APR-2010 13:51:47; Dark ; 47.5; 142; 49Del Cap ; 2.85; 8900;occ; 95; 0;42577
 15; 5716.0; 22-APR-2010 13:56:51; Dark ; 40.5; 172; Gam Gru ; 3.00; 13100;occ; 81; 0;42577
 16; 6019.9; 22-APR-2010 14:01:55; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;42577
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 21; 7257.9; 22-APR-2010 14:22:33; Dark ; 45.0; 54; 5The Cen ; 2.06; 4500;occ; 90; 0;42578
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 7; 2705.7; 22-APR-2010 14:47:17; Bright; 46.5; 180; 27Gam Boo ; 3.04; 8000;occ; 93; 0;42578
 8; 2807.4; 22-APR-2010 14:48:59; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 0;42578
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12;	4739.4;	22-APR-2010	15:21:11;	Dark	;	44.0;	90;	54Alp Peg	;	2.49;	11000;	occ;	88;	0;	42578
13;	4948.4;	22-APR-2010	15:24:40;	Dark	;	55.5;	61;	8Eps Peg	;	2.10;	3900;	occ;	111;	0;	42578
14;	5095.9;	22-APR-2010	15:27:07;	Dark	;	48.0;	162;	34Alp Aqr	;	2.94;	5350;	occ;	96;	0;	42578
15;	5276.5;	22-APR-2010	15:30:08;	Dark	;	50.5;	154;	22Bet Aqr	;	2.90;	5700;	occ;	101;	0;	42578
16;	5412.1;	22-APR-2010	15:32:24;	Dark	;	44.5;	142;	49Del Cap	;	2.85;	8900;	occ;	89;	0;	42578
17;	5716.5;	22-APR-2010	15:37:28;	Dark	;	39.5;	172;	Gam Gru	;	3.00;	13100;	occ;	79;	0;	42578
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2;	1222.8;	22-APR-2010	17:43:46;	Dark	;	46.0;	54;	5The Cen	;	2.06;	4500;	occ;	92;	0;	42580
3;	1577.7;	22-APR-2010	17:49:41;	Bright;	53.0;	122;	9Alp2Lib	;	2.75;	9700;	occ;	106;	0;	42580	
4;	1699.3;	22-APR-2010	17:51:43;	Bright;	42.5;	15;	67Alp Vir	;	0.98;	28000;	occ;	85;	0;	42580	
5;	2093.6;	22-APR-2010	17:58:17;	Bright;	37.0;	138;	47Eps Vir	;	2.83;	4700;	occ;	74;	0;	42580	
6;	2263.6;	22-APR-2010	18:01:07;	Bright;	43.0;	111;	8Eta Boo	;	2.68;	6000;	occ;	86;	0;	42580	
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15;	5096.8;	22-APR-2010	18:48:20;	Dark	;	47.5;	162;	34Alp Aqr	;	2.94;	5350;	occ;	95;	0;	42580
16;	5278.3;	22-APR-2010	18:51:22;	Dark	;	50.5;	154;	22Bet Aqr	;	2.90;	5700;	occ;	101;	0;	42580
17;	5438.7;	22-APR-2010	18:54:02;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	42580
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7; 1224.1; 23-APR-2010 02:06:47; Dark ; 46.5; 54; 5The Cen ; 2.06; 4500;occ; 93; 0;42585
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11; 2261.8; 23-APR-2010 02:24:05; Bright; 44.0; 111; 8Eta Boo ; 2.68; 6000;occ; 88; 0;42585
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13; 2701.0; 23-APR-2010 02:31:24; Bright; 45.0; 180; 27Gam Boo ; 3.04; 8000;occ; 90; 0;42585

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13; 1224.2; 23-APR-2010 03:47:23; Dark ; 46.5; 54; 5The Cen ; 2.06; 4500;occ; 93; 0;42586
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16; 2093.4; 23-APR-2010 04:01:52; Bright; 37.5; 138; 47Eps Vir ; 2.83; 4700;occ; 75; 0;42586
17; 2261.6; 23-APR-2010 04:04:40; Bright; 41.0; 111; 8Eta Boo ; 2.68; 6000;occ; 82; 0;42586
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9; 110.8; 23-APR-2010 06:50:02; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;42588
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13; 1225.5; 23-APR-2010 07:08:36; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;42588
14; 1578.6; 23-APR-2010 07:14:29; Bright; 48.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 96; 0;42588
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3; 2261.3; 23-APR-2010 07:25:52; Bright; 43.0; 111; 8Eta Boo ; 2.68; 6000;occ; 86; 0;42588
4; 2567.6; 23-APR-2010 07:30:58; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;42588
5; 2698.9; 23-APR-2010 07:33:10; Bright; 46.0; 180; 27Gam Boo ; 3.04; 8000;occ; 92; 0;42588

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16;	6148.9;	23-APR-2010	13:32:27;	Dark	; 41.0;	45;	Alp Pav	; 1.94;	26000;occ;	82;	0;42592
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4;	2259.7;	23-APR-2010	14:08:14;	Bright;	42.5;	111;	8Eta Boo	; 2.68;	6000;occ;	85;	0;42592
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6;	2696.5;	23-APR-2010	14:15:31;	Bright;	43.5;	180;	27Gam Boo	; 3.04;	8000;occ;	87;	0;42592
7;	2802.5;	23-APR-2010	14:17:17;	Bright;	40.5;	39;	85Eta UMa	; 1.85;	24000;occ;	81;	0;42592
8;	3243.7;	23-APR-2010	14:24:38;	Bright;	37.0;	60;	7Bet UMi	; 2.08;	3950;occ;	74;	0;42592
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14;	5288.9;	23-APR-2010	14:58:43;	Dark	; 54.5;	154;	22Bet Aqr	; 2.90;	5700;occ;	109;	0;42592
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19;	7035.4;	23-APR-2010	15:27:50;	Dark	; 43.0;	78;	Alp Lup	; 2.30;	28000;occ;	86;	0;42593
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2;	1700.5;	23-APR-2010	15:39:31;	Bright;	42.5;	15;	67Alp Vir	; 0.98;	28000;occ;	85;	0;42593
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4;	2259.3;	23-APR-2010	15:48:50;	Bright;	41.5;	111;	8Eta Boo	; 2.68;	6000;occ;	83;	0;42593
5;	2567.1;	23-APR-2010	15:53:57;	Bright;	36.5;	152;	12Alp2CVn	; 2.89;	11000;occ;	73;	0;42593
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7;	2801.8;	23-APR-2010	15:57:52;	Bright;	39.5;	39;	85Eta UMa	; 1.85;	24000;occ;	79;	0;42593
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9;	3856.9;	23-APR-2010	16:15:27;	Bright;	42.5;	89;	5Alp Cep	; 2.45;	8000;occ;	85;	0;42593
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17;	6150.1;	23-APR-2010	16:53:40;	Dark	; 47.0;	45;	Alp Pav	; 1.94;	26000;occ;	94;	0;42594
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4;	1700.6;	23-APR-2010	17:20:07;	Bright;	42.5;	15;	67Alp Vir	; 0.98;	28000;occ;	85;	0;42594
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13; 4743.6; 23-APR-2010 18:10:50; Dark ; 42.0; 90; 54Alp Peg ; 2.49; 11000;occ; 84; 0;42594
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16; 5290.4; 23-APR-2010 18:19:57; Dark ; 55.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 110; 0;42594
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7; 2258.4; 23-APR-2010 20:50:37; Bright; 43.5; 111; 8Eta Boo ; 2.68; 6000;occ; 87; 0;42596
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13; 2692.6; 24-APR-2010 00:19:03; Bright; 45.0; 180; 27Gam Boo ; 3.04; 8000;occ; 90; 0;42598
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16; 3855.3; 24-APR-2010 00:38:25; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;42598
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3; 1235.6; 25-APR-2010 21:10:56; Dark ; 45.5; 54; 5The Cen ; 2.06; 4500;occ; 91; 0;42625
4; 1582.5; 25-APR-2010 21:16:42; Bright; 49.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 98; 0;42625
5; 1703.5; 25-APR-2010 21:18:43; Bright; 41.5; 15; 67Alp Vir ; 0.98; 28000;occ; 83; 0;42625
6; 2092.7; 25-APR-2010 21:25:13; Bright; 36.5; 138; 47Eps Vir ; 2.83; 4700;occ; 73; 0;42625
7; 2250.0; 25-APR-2010 21:27:50; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;42625
8; 2563.3; 25-APR-2010 21:33:03; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;42625
9; 2675.8; 25-APR-2010 21:34:56; Bright; 42.5; 180; 27Gam Boo ; 3.04; 8000;occ; 85; 0;42625
10; 2790.9; 25-APR-2010 21:36:51; Bright; 39.0; 39; 85Eta UMA ; 1.85; 24000;occ; 78; 0;42625
11; 3235.5; 25-APR-2010 21:44:15; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;42625
12; 3849.0; 25-APR-2010 21:54:29; Bright; 41.0; 89; 5Alp Cep ; 2.45; 8000;occ; 82; 0;42625
13; 4496.2; 25-APR-2010 22:05:16; Bright; 42.0; 164; 44Eta Peg ; 2.95; 5400;occ; 84; 0;42625
14; 4751.7; 25-APR-2010 22:09:32; Dark ; 43.5; 90; 54Alp Peg ; 2.49; 11000;occ; 87; 0;42625
15; 4976.2; 25-APR-2010 22:13:16; Dark ; 59.5; 61; 8Eps Peg ; 2.10; 3900;occ; 119; 0;42625
16; 5123.9; 25-APR-2010 22:15:44; Dark ; 50.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 100; 0;42625
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1; -717.1; 25-APR-2010 22:18:59; Dark ; 57.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 115; 0;42625
 2; -556.8; 25-APR-2010 22:21:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42625
 3; -290.8; 25-APR-2010 22:26:05; Dark ; 40.5; 172; Gam Gru ; 3.00; 13100;occ; 81; 0;42625
 4; 133.3; 25-APR-2010 22:33:09; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42626
 5; 587.4; 25-APR-2010 22:40:43; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42626
 6; 678.0; 25-APR-2010 22:42:14; Dark ; 58.5; 40; The Sco ; 1.86; 7100;occ; 117; 0;42626
 7; 1011.6; 25-APR-2010 22:47:47; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;42626
 8; 1105.5; 25-APR-2010 22:49:21; Dark ; 42.5; 81; Eta Cen ; 2.36; 28000;occ; 85; 0;42626
 9; 1236.0; 25-APR-2010 22:51:32; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;42626
 10; 1582.6; 25-APR-2010 22:57:18; Bright; 48.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 97; 0;42626
 11; 1703.5; 25-APR-2010 22:59:19; Bright; 38.5; 15; 67Alp Vir ; 0.98; 28000;occ; 77; 0;42626
 12; 2092.7; 25-APR-2010 23:05:49; Bright; 37.5; 138; 47Eps Vir ; 2.83; 4700;occ; 75; 0;42626
 13; 2249.6; 25-APR-2010 23:08:25; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;42626
 14; 2563.2; 25-APR-2010 23:13:39; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 0;42626
 15; 2675.0; 25-APR-2010 23:15:31; Bright; 44.0; 180; 27Gam Boo ; 3.04; 8000;occ; 88; 0;42626
 16; 2790.4; 25-APR-2010 23:17:26; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;42626
 17; 3235.1; 25-APR-2010 23:24:51; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;42626
 18; 3848.4; 25-APR-2010 23:35:04; Bright; 41.5; 89; 5Alp Cep ; 2.45; 8000;occ; 83; 0;42626
 19; 4496.5; 25-APR-2010 23:45:52; Bright; 40.0; 164; 44Eta Peg ; 2.95; 5400;occ; 80; 0;42626
 20; 4751.9; 25-APR-2010 23:50:08; Dark ; 44.5; 90; 54Alp Peg ; 2.49; 11000;occ; 89; 0;42626
 21; 4977.1; 25-APR-2010 23:53:53; Dark ; 59.5; 61; 8Eps Peg ; 2.10; 3900;occ; 119; 0;42626
 22; 5124.2; 25-APR-2010 23:56:20; Dark ; 52.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 104; 0;42626
 23; 5319.8; 25-APR-2010 23:59:36; Dark ; 56.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 112; 0;42626

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1; -668.5; 26-APR-2010 00:00:23; Dark ; 56.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 113; 95;42626
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 3; -290.5; 26-APR-2010 00:06:41; Dark ; 41.0; 172; Gam Gru ; 3.00; 13100;occ; 82; 0;42626
 4; 134.0; 26-APR-2010 00:13:46; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42627
 5; 587.9; 26-APR-2010 00:21:20; Dark ; 47.5; 141; Bet Ara ; 2.84; 4600;occ; 95; 0;42627
 6; 678.5; 26-APR-2010 00:22:50; Dark ; 65.0; 40; The Sco ; 1.86; 7100;occ; 130; 0;42627
 7; 1012.1; 26-APR-2010 00:28:24; Dark ; 40.5; 78; Alp Lup ; 2.30; 28000;occ; 81; 0;42627
 8; 1105.7; 26-APR-2010 00:29:57; Dark ; 42.5; 81; Eta Cen ; 2.36; 28000;occ; 85; 0;42627
 9; 1236.0; 26-APR-2010 00:32:08; Dark ; 43.0; 54; 5The Cen ; 2.06; 4500;occ; 86; 0;42627
 10; 1582.8; 26-APR-2010 00:37:54; Bright; 50.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 100; 0;42627
 11; 1703.4; 26-APR-2010 00:39:55; Bright; 41.0; 15; 67Alp Vir ; 0.98; 28000;occ; 82; 0;42627
 12; 2092.5; 26-APR-2010 00:46:24; Bright; 36.5; 138; 47Eps Vir ; 2.83; 4700;occ; 73; 0;42627
 13; 2249.3; 26-APR-2010 00:49:01; Bright; 43.0; 111; 8Eta Boo ; 2.68; 6000;occ; 86; 0;42627
 14; 2562.9; 26-APR-2010 00:54:15; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;42627
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 16; 2790.4; 26-APR-2010 00:58:02; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42627
 17; 3234.8; 26-APR-2010 01:05:26; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;42627
 18; 3848.2; 26-APR-2010 01:15:40; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42627
 19; 4496.7; 26-APR-2010 01:26:28; Bright; 58.0; 164; 44Eta Peg ; 2.95; 5400;occ; 116; 0;42627
 20; 4751.7; 26-APR-2010 01:30:43; Dark ; 43.0; 90; 54Alp Peg ; 2.49; 11000;occ; 86; 0;42627
 21; 4977.8; 26-APR-2010 01:34:29; Dark ; 60.5; 61; 8Eps Peg ; 2.10; 3900;occ; 121; 0;42627
 22; 5125.0; 26-APR-2010 01:36:57; Dark ; 49.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 98; 0;42627

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1; -714.8; 26-APR-2010 01:40:13; Dark ; 57.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 114; 0;42627
 2; -554.9; 26-APR-2010 01:42:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42627
 3; 134.7; 26-APR-2010 01:54:22; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42628
 4; 588.5; 26-APR-2010 02:01:56; Dark ; 49.5; 141; Bet Ara ; 2.84; 4600;occ; 99; 0;42628
 5; 679.7; 26-APR-2010 02:03:27; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42628
 6; 1012.5; 26-APR-2010 02:09:00; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;42628
 7; 1106.0; 26-APR-2010 02:10:34; Dark ; 44.5; 81; Eta Cen ; 2.36; 28000;occ; 89; 0;42628
 8; 1236.4; 26-APR-2010 02:12:44; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;42628
 9; 1582.8; 26-APR-2010 02:18:30; Bright; 49.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 98; 0;42628
 10; 1703.7; 26-APR-2010 02:20:31; Bright; 39.5; 15; 67Alp Vir ; 0.98; 28000;occ; 79; 0;42628
 11; 2092.7; 26-APR-2010 02:27:00; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;42628
 12; 2249.3; 26-APR-2010 02:29:37; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;42628
 13; 2563.1; 26-APR-2010 02:34:51; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;42628
 14; 2674.0; 26-APR-2010 02:36:41; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;42628
 15; 2790.2; 26-APR-2010 02:38:38; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42628
 16; 3234.7; 26-APR-2010 02:46:02; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42628

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1; -2187.7; 26-APR-2010 02:56:16; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42628
 2; -1539.1; 26-APR-2010 03:07:04; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;42628
 3; -1283.4; 26-APR-2010 03:11:20; Dark ; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;42628
 4; -1057.4; 26-APR-2010 03:15:06; Dark ; 57.0; 61; 8Eps Peg ; 2.10; 3900;occ; 114; 0;42628

5;	-910.3;	26-APR-2010	03:17:33;	Dark	;	50.5;	162;	34Alp	Aqr	;	2.94;	5350;	occ;	101;	0;	42628
6;	-713.9;	26-APR-2010	03:20:49;	Dark	;	55.0;	154;	22Bet	Aqr	;	2.90;	5700;	occ;	110;	0;	42628
7;	-553.9;	26-APR-2010	03:23:29;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	42628
8;	-288.9;	26-APR-2010	03:27:55;	Dark	;	41.0;	172;	Gam	Gru	;	3.00;	13100;	occ;	82;	0;	42628
9;	135.4;	26-APR-2010	03:34:59;	Dark	;	41.5;	45;	Alp	Pav	;	1.94;	26000;	occ;	83;	0;	42629
10;	589.3;	26-APR-2010	03:42:33;	Dark	;	45.5;	141;	Bet	Ara	;	2.84;	4600;	occ;	91;	0;	42629
11;	680.5;	26-APR-2010	03:44:04;	Dark	;	53.0;	40;	The	Sco	;	1.86;	7100;	occ;	106;	0;	42629
12;	1012.8;	26-APR-2010	03:49:36;	Dark	;	38.5;	78;	Alp	Lup	;	2.30;	28000;	occ;	77;	0;	42629
13;	1106.5;	26-APR-2010	03:51:10;	Dark	;	43.5;	81;	Eta	Cen	;	2.36;	28000;	occ;	87;	0;	42629
14;	1237.2;	26-APR-2010	03:53:21;	Dark	;	45.0;	54;	5The	Cen	;	2.06;	4500;	occ;	90;	0;	42629
15;	1582.7;	26-APR-2010	03:59:06;	Bright	;	49.5;	122;	9Alp2	Lib	;	2.75;	9700;	occ;	99;	0;	42629
16;	1704.0;	26-APR-2010	04:01:07;	Bright	;	40.5;	15;	67Alp	Vir	;	0.98;	28000;	occ;	81;	0;	42629
17;	2092.9;	26-APR-2010	04:07:36;	Bright	;	35.5;	138;	47Eps	Vir	;	2.83;	4700;	occ;	71;	0;	42629
18;	2248.8;	26-APR-2010	04:10:12;	Bright	;	41.0;	111;	8Eta	Boo	;	2.68;	6000;	occ;	82;	0;	42629
19;	2562.9;	26-APR-2010	04:15:26;	Bright	;	36.5;	152;	12Alp2	CVn	;	2.89;	11000;	occ;	73;	0;	42629
20;	2673.6;	26-APR-2010	04:17:17;	Bright	;	43.5;	180;	27Gam	Boo	;	3.04;	8000;	occ;	87;	0;	42629
21;	2790.0;	26-APR-2010	04:19:13;	Bright	;	39.0;	39;	85Eta	UMa	;	1.85;	24000;	occ;	78;	0;	42629
22;	3234.8;	26-APR-2010	04:26:38;	Bright	;	40.0;	60;	7Bet	UMi	;	2.08;	3950;	occ;	80;	0;	42629
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2;	-1539.1;	26-APR-2010	04:47:40;	Bright	;	46.5;	164;	44Eta	Peg	;	2.95;	5400;	occ;	93;	0;	42629
3;	-1283.4;	26-APR-2010	04:51:56;	Dark	;	45.0;	90;	54Alp	Peg	;	2.49;	11000;	occ;	90;	0;	42629
4;	-1057.0;	26-APR-2010	04:55:42;	Dark	;	57.5;	61;	8Eps	Peg	;	2.10;	3900;	occ;	115;	0;	42629
5;	-909.6;	26-APR-2010	04:58:10;	Dark	;	50.5;	162;	34Alp	Aqr	;	2.94;	5350;	occ;	101;	0;	42629
6;	-713.1;	26-APR-2010	05:01:26;	Dark	;	57.0;	154;	22Bet	Aqr	;	2.90;	5700;	occ;	114;	0;	42629
7;	-553.0;	26-APR-2010	05:04:06;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	42629
8;	-288.4;	26-APR-2010	05:08:31;	Dark	;	43.5;	172;	Gam	Gru	;	3.00;	13100;	occ;	87;	0;	42629
9;	136.0;	26-APR-2010	05:15:35;	Dark	;	42.0;	45;	Alp	Pav	;	1.94;	26000;	occ;	84;	0;	42630
10;	590.3;	26-APR-2010	05:23:10;	Dark	;	43.5;	141;	Bet	Ara	;	2.84;	4600;	occ;	87;	0;	42630
11;	681.5;	26-APR-2010	05:24:41;	Dark	;	52.5;	40;	The	Sco	;	1.86;	7100;	occ;	105;	0;	42630
12;	1013.1;	26-APR-2010	05:30:13;	Dark	;	43.0;	78;	Alp	Lup	;	2.30;	28000;	occ;	86;	0;	42630
13;	1106.6;	26-APR-2010	05:31:46;	Dark	;	38.5;	81;	Eta	Cen	;	2.36;	28000;	occ;	77;	0;	42630
14;	1237.1;	26-APR-2010	05:33:57;	Dark	;	46.0;	54;	5The	Cen	;	2.06;	4500;	occ;	92;	0;	42630
15;	1582.8;	26-APR-2010	05:39:42;	Bright	;	50.5;	122;	9Alp2	Lib	;	2.75;	9700;	occ;	101;	0;	42630
16;	1703.9;	26-APR-2010	05:41:43;	Bright	;	41.0;	15;	67Alp	Vir	;	0.98;	28000;	occ;	82;	0;	42630
17;	2093.0;	26-APR-2010	05:48:12;	Bright	;	36.0;	138;	47Eps	Vir	;	2.83;	4700;	occ;	72;	0;	42630
18;	2248.4;	26-APR-2010	05:50:48;	Bright	;	40.5;	111;	8Eta	Boo	;	2.68;	6000;	occ;	81;	0;	42630
19;	2563.1;	26-APR-2010	05:56:02;	Bright	;	37.5;	152;	12Alp2	CVn	;	2.89;	11000;	occ;	75;	0;	42630
20;	2673.1;	26-APR-2010	05:57:53;	Bright	;	47.0;	180;	27Gam	Boo	;	3.04;	8000;	occ;	94;	0;	42630
21;	2789.3;	26-APR-2010	05:59:49;	Bright	;	42.0;	39;	85Eta	UMa	;	1.85;	24000;	occ;	84;	0;	42630
22;	3234.7;	26-APR-2010	06:07:14;	Bright	;	36.5;	60;	7Bet	UMi	;	2.08;	3950;	occ;	73;	0;	42630
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2;	-1538.5;	26-APR-2010	06:28:17;	Bright	;	58.0;	164;	44Eta	Peg	;	2.95;	5400;	occ;	116;	0;	42630
3;	-1282.8;	26-APR-2010	06:32:33;	Dark	;	43.0;	90;	54Alp	Peg	;	2.49;	11000;	occ;	86;	0;	42630
4;	-1056.2;	26-APR-2010	06:36:19;	Dark	;	55.0;	61;	8Eps	Peg	;	2.10;	3900;	occ;	110;	0;	42630
5;	-908.7;	26-APR-2010	06:38:47;	Dark	;	50.5;	162;	34Alp	Aqr	;	2.94;	5350;	occ;	101;	0;	42630
6;	-711.8;	26-APR-2010	06:42:04;	Dark	;	54.5;	154;	22Bet	Aqr	;	2.90;	5700;	occ;	109;	0;	42630
7;	-552.0;	26-APR-2010	06:44:43;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	42630
8;	-287.5;	26-APR-2010	06:49:08;	Dark	;	42.5;	172;	Gam	Gru	;	3.00;	13100;	occ;	85;	0;	42630
9;	136.5;	26-APR-2010	06:56:12;	Dark	;	40.0;	45;	Alp	Pav	;	1.94;	26000;	occ;	80;	0;	42631
10;	590.6;	26-APR-2010	07:03:46;	Dark	;	44.0;	141;	Bet	Ara	;	2.84;	4600;	occ;	88;	0;	42631
11;	682.4;	26-APR-2010	07:05:18;	Dark	;	54.5;	40;	The	Sco	;	1.86;	7100;	occ;	109;	0;	42631
12;	1013.4;	26-APR-2010	07:10:49;	Dark	;	42.0;	78;	Alp	Lup	;	2.30;	28000;	occ;	84;	0;	42631
13;	1107.2;	26-APR-2010	07:12:23;	Dark	;	44.0;	81;	Eta	Cen	;	2.36;	28000;	occ;	88;	0;	42631
14;	1237.5;	26-APR-2010	07:14:33;	Dark	;	44.5;	54;	5The	Cen	;	2.06;	4500;	occ;	89;	0;	42631
15;	1582.8;	26-APR-2010	07:20:18;	Bright	;	48.0;	122;	9Alp2	Lib	;	2.75;	9700;	occ;	96;	0;	42631
16;	1704.3;	26-APR-2010	07:22:20;	Bright	;	40.5;	15;	67Alp	Vir	;	0.98;	28000;	occ;	81;	0;	42631
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4;	2562.9;	26-APR-2010	07:36:38;	Bright	;	36.0;	152;	12Alp2	CVn	;	2.89;	11000;	occ;	72;	0;	42631
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6;	2789.1;	26-APR-2010	07:40:25;	Bright	;	41.5;	39;	85Eta	UMa	;	1.85;	24000;	occ;	83;	0;	42631
7;	3234.3;	26-APR-2010	07:47:50;	Bright	;	39.0;	60;	7Bet	UMi	;	2.08;	3950;	occ;	78;	0;	42631
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2; 1109.5; 26-APR-2010 18:56:36; Dark ; 43.5; 81; Eta Cen ; 2.36; 28000;occ; 87; 0;42638
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4; 1584.0; 26-APR-2010 19:04:31; Bright; 47.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 94; 0;42638
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7; 2246.5; 26-APR-2010 19:15:33; Bright; 41.0; 111; 8Eta Boo ; 2.68; 6000;occ; 82; 0;42638
8; 2562.4; 26-APR-2010 19:20:49; Bright; 37.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 75; 0;42638
9; 2668.3; 26-APR-2010 19:22:35; Bright; 45.0; 180; 27Gam Boo ; 3.04; 8000;occ; 90; 0;42638
10; 2787.2; 26-APR-2010 19:24:34; Bright; 40.0; 39; 85Eta UMa ; 1.85; 24000;occ; 80; 0;42638
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12; 3845.8; 26-APR-2010 19:42:13; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;42638
13; 4498.5; 26-APR-2010 19:53:05; Bright; 58.0; 164; 44Eta Peg ; 2.95; 5400;occ; 116; 0;42638
14; 4755.1; 26-APR-2010 19:57:22; Dark ; 43.0; 90; 54Alp Peg ; 2.49; 11000;occ; 86; 0;42638
15; 4985.3; 26-APR-2010 20:01:12; Dark ; 60.5; 61; 8Eps Peg ; 2.10; 3900;occ; 121; 0;42638
16; 5132.3; 26-APR-2010 20:03:39; Dark ; 48.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 96; 0;42638
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18; 5459.8; 26-APR-2010 20:09:07; Dark ; 49.0; 142; 49Del Cap ; 2.85; 8900;occ; 98; 0;42638
19; 5633.6; 26-APR-2010 20:12:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42638
20; 5753.6; 26-APR-2010 20:14:01; Dark ; 43.0; 172; Gam Gru ; 3.00; 13100;occ; 86; 0;42638
21; 6177.5; 26-APR-2010 20:21:04; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;42639
22; 6632.0; 26-APR-2010 20:28:39; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42639
23; 6726.0; 26-APR-2010 20:30:13; Dark ; 58.0; 40; The Sco ; 1.86; 7100;occ; 116; 0;42639

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3; 1239.4; 26-APR-2010 20:39:22; Dark ; 45.0; 54; 5The Cen ; 2.06; 4500;occ; 90; 0;42639
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6; 2092.8; 26-APR-2010 20:53:36; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;42639
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15; 4985.6; 26-APR-2010 21:41:48; Dark ; 64.0; 61; 8Eps Peg ; 2.10; 3900;occ; 128; 0;42639
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5; -902.3; 26-APR-2010 23:24:52; Dark ; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;42640
6; -701.9; 26-APR-2010 23:28:13; Dark ; 54.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 108; 0;42640
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16; 1705.0; 27-APR-2010 00:08:20; Bright; 40.5; 15; 67Alp Vir ; 0.98; 28000;occ; 81; 0;42641
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22; 2786.3; 27-APR-2010 00:26:21; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42641
23; 3231.7; 27-APR-2010 00:33:46; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;42641
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3; 1243.4; 27-APR-2010 20:07:49; Dark ; 45.5; 54; 5The Cen ; 2.06; 4500;occ; 91; 0;42653
4; 1585.1; 27-APR-2010 20:13:31; Bright; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;42653
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6; 2242.8; 27-APR-2010 20:24:29; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;42653
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11; 3841.7; 27-APR-2010 20:51:07; Bright; 41.5; 89; 5Alp Cep ; 2.45; 8000;occ; 83; 0;42653
12; 4500.8; 27-APR-2010 21:02:07; Bright; 44.5; 164; 44Eta Peg ; 2.95; 5400;occ; 89; 0;42653
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14; 4995.6; 27-APR-2010 21:10:21; Dark ; 52.0; 61; 8Eps Peg ; 2.10; 3900;occ; 104; 0;42653
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3; -394.3; 27-APR-2010 21:21:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42653
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16;	2861.0;	27-APR-2010	22:15:23;	Bright;	36.5;	32;	77Eps UMa	;	1.76;	11000;occ;	73;	0;42654	
17;	3229.0;	27-APR-2010	22:21:31;	Bright;	39.5;	60;	7Bet UMi	;	2.08;	3950;occ;	79;	0;42654	
18;	3841.4;	27-APR-2010	22:31:43;	Bright;	42.0;	89;	5Alp Cep	;	2.45;	8000;occ;	84;	0;42654	
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21;	4996.2;	27-APR-2010	22:50:58;	Dark	;	43.0;	61;	8Eps Peg	;	2.10;	3900;occ;	86;	0;42654
22;	5143.3;	27-APR-2010	22:53:25;	Dark	;	51.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	103;	0;42654
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4;	-271.8;	27-APR-2010	23:03:46;	Dark	;	40.5;	172;	Gam Gru	;	3.00;	13100;occ;	81;	0;42654
5;	151.3;	27-APR-2010	23:10:49;	Dark	;	42.0;	45;	Alp Pav	;	1.94;	26000;occ;	84;	0;42655
6;	606.6;	27-APR-2010	23:18:24;	Dark	;	42.5;	141;	Bet Ara	;	2.84;	4600;occ;	85;	0;42655
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8;	1021.9;	27-APR-2010	23:25:19;	Dark	;	40.5;	78;	Alp Lup	;	2.30;	28000;occ;	81;	0;42655
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19;	3841.2;	28-APR-2010	00:12:19;	Bright;	41.0;	89;	5Alp Cep	;	2.45;	8000;occ;	82;	0;42655	
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21;	4760.0;	28-APR-2010	00:27:37;	Dark	;	43.5;	90;	54Alp Peg	;	2.49;	11000;occ;	87;	0;42655
22;	4997.2;	28-APR-2010	00:31:35;	Dark	;	43.0;	61;	8Eps Peg	;	2.10;	3900;occ;	86;	0;42655
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12; 5152.0; 28-APR-2010 19:00:45; Dark ; 47.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 95; 0;42666
13; 5485.1; 28-APR-2010 19:06:18; Dark ; 50.0; 142; 49Del Cap ; 2.85; 8900;occ; 100; 0;42666
14; 5648.5; 28-APR-2010 19:09:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42666
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16; 6194.9; 28-APR-2010 19:18:08; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42667
17; 6650.3; 28-APR-2010 19:25:43; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42667
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2; 1587.1; 28-APR-2010 19:41:56; Bright; 48.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 97; 0;42667
3; 2239.5; 28-APR-2010 19:52:49; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;42667
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
10; 4502.9; 28-APR-2010 20:30:32; Bright; 46.0; 164; 44Eta Peg ; 2.95; 5400;occ; 92; 0;42667
11; 4763.7; 28-APR-2010 20:34:53; Dark ; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;42667
12; 5152.6; 28-APR-2010 20:41:22; Dark ; 52.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 104; 0;42667
13; 5485.7; 28-APR-2010 20:46:55; Dark ; 48.5; 142; 49Del Cap ; 2.85; 8900;occ; 97; 0;42667
14; 5649.0; 28-APR-2010 20:49:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42667
15; 5772.8; 28-APR-2010 20:51:42; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42667
16; 6195.7; 28-APR-2010 20:58:45; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;42668
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4; 719.4; 29-APR-2010 00:29:16; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42670
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
16; 5154.8; 29-APR-2010 01:43:11; Dark ; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 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
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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
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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
15;	2650.0;	29-APR-2010	04:22:38;	Bright;		41.0;	180;	27Gam Boo	;	3.04;	8000;	occ;	82;	0;	42672
16;	2777.6;	29-APR-2010	04:24:46;	Bright;		38.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	76;	0;	42672
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
8;	162.6;	29-APR-2010	05:21:47;	Dark	;	40.5;	45;	Alp Pav	;	1.94;	26000;	occ;	81;	0;	42673
9;	618.4;	29-APR-2010	05:29:23;	Dark	;	43.0;	141;	Bet Ara	;	2.84;	4600;	occ;	86;	0;	42673
10;	722.0;	29-APR-2010	05:31:07;	Dark	;	57.0;	40;	The Sco	;	1.86;	7100;	occ;	114;	0;	42673
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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2;	1025.9;	29-APR-2010	20:41:34;	Dark	;	62.0;	75;	26Eps Sco	;	2.29;	4250;	occ;	124;	0;	42682
3;	1255.3;	29-APR-2010	20:45:23;	Dark	;	81.0;	16;	21Alp Sco	;	1.02;	3000;	occ;	162;	0;	42682
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
13;	4146.5;	29-APR-2010	21:33:34;	Bright;		60.5;	19;	50Alp Cyg	;	1.25;	10500;	occ;	121;	0;	42682
14;	4505.5;	29-APR-2010	21:39:34;	Bright;		43.5;	164;	44Eta Peg	;	2.95;	5400;	occ;	87;	0;	42682

15;	4768.0;	29-APR-2010	21:43:56;	Dark	;	44.5;	90;	54Alp Peg	;	2.49;	11000;occ;	89;	0;	42682
16;	5017.3;	29-APR-2010	21:48:05;	Dark	;	65.5;	61;	8Eps Peg	;	2.10;	3900;occ;	131;	0;	42682
17;	5163.7;	29-APR-2010	21:50:32;	Dark	;	53.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	107;	0;	42682
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2;	-498.6;	29-APR-2010	21:56:45;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	42682
3;	624.6;	29-APR-2010	22:15:29;	Dark	;	43.5;	141;	Bet Ara	;	2.84;	4600;occ;	87;	0;	42683
4;	731.2;	29-APR-2010	22:17:15;	Dark	;	55.0;	40;	The Sco	;	1.86;	7100;occ;	110;	0;	42683
5;	834.7;	29-APR-2010	22:18:59;	Dark	;	61.5;	25;	35Lam Sco	;	1.62;	28000;occ;	123;	0;	42683
6;	1026.6;	29-APR-2010	22:22:11;	Dark	;	58.0;	75;	26Eps Sco	;	2.29;	4250;occ;	116;	0;	42683
7;	1256.0;	29-APR-2010	22:26:00;	Dark	;	77.0;	16;	21Alp Sco	;	1.02;	3000;occ;	154;	0;	42683
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16;	3833.4;	29-APR-2010	23:08:57;	Bright;	;	43.5;	89;	5Alp Cep	;	2.45;	8000;occ;	87;	0;	42683
17;	4146.2;	29-APR-2010	23:14:10;	Bright;	;	59.0;	19;	50Alp Cyg	;	1.25;	10500;occ;	118;	0;	42683
18;	4505.5;	29-APR-2010	23:20:09;	Bright;	;	47.0;	164;	44Eta Peg	;	2.95;	5400;occ;	94;	0;	42683
19;	4768.3;	29-APR-2010	23:24:32;	Dark	;	43.0;	90;	54Alp Peg	;	2.49;	11000;occ;	86;	0;	42683
20;	5017.8;	29-APR-2010	23:28:42;	Dark	;	65.5;	61;	8Eps Peg	;	2.10;	3900;occ;	131;	0;	42683
21;	5164.5;	29-APR-2010	23:31:08;	Dark	;	55.0;	162;	34Alp Aqr	;	2.94;	5350;occ;	110;	0;	42683
22;	5380.2;	29-APR-2010	23:34:44;	Dark	;	53.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	106;	0;	42683
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2;	-1531.8;	29-APR-2010	06:34:09;	Bright;	;	43.5;	164;	44Eta Peg	;	2.95;	5400;occ;	87;	0;	42673
3;	-1270.3;	29-APR-2010	06:38:30;	Dark	;	44.0;	90;	54Alp Peg	;	2.49;	11000;occ;	88;	0;	42673
4;	-878.8;	29-APR-2010	06:45:02;	Dark	;	51.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	103;	0;	42673
5;	-544.5;	29-APR-2010	06:50:36;	Dark	;	50.5;	142;	49Del Cap	;	2.85;	8900;occ;	101;	0;	42673
6;	-383.6;	29-APR-2010	06:53:17;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	42673
7;	-258.6;	29-APR-2010	06:55:22;	Dark	;	41.0;	172;	Gam Gru	;	3.00;	13100;occ;	82;	0;	42673
8;	163.6;	29-APR-2010	07:02:24;	Dark	;	41.0;	45;	Alp Pav	;	1.94;	26000;occ;	82;	0;	42674
9;	618.8;	29-APR-2010	07:09:59;	Dark	;	45.0;	141;	Bet Ara	;	2.84;	4600;occ;	90;	0;	42674
10;	723.0;	29-APR-2010	07:11:43;	Dark	;	58.5;	40;	The Sco	;	1.86;	7100;occ;	117;	0;	42674
11;	1121.7;	29-APR-2010	07:18:22;	Dark	;	41.0;	81;	Eta Cen	;	2.36;	28000;occ;	82;	0;	42674
12;	1587.5;	29-APR-2010	07:26:08;	Bright;	;	48.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	97;	0;	42674
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1;	2238.2;	29-APR-2010	07:36:59;	Bright;	;	39.0;	111;	8Eta Boo	;	2.68;	6000;occ;	78;	0;	42674
2;	2470.5;	29-APR-2010	07:40:51;	Bright;	;	49.0;	83;		;	2.38;	11000;occ;	98;	0;	42674
3;	2649.0;	29-APR-2010	07:43:50;	Bright;	;	42.5;	180;	27Gam Boo	;	3.04;	8000;occ;	85;	0;	42674
4;	2777.1;	29-APR-2010	07:45:58;	Bright;	;	39.5;	39;	85Eta UMa	;	1.85;	24000;occ;	79;	0;	42674
5;	2854.2;	29-APR-2010	07:47:15;	Bright;	;	39.0;	55;	79Zet UMa	;	2.06;	10200;occ;	78;	0;	42674
6;	3224.7;	29-APR-2010	07:53:25;	Bright;	;	39.0;	60;	7Bet UMi	;	2.08;	3950;occ;	78;	0;	42674
7;	3836.2;	29-APR-2010	08:03:37;	Bright;	;	40.5;	89;	5Alp Cep	;	2.45;	8000;occ;	81;	0;	42674
8;	4504.1;	29-APR-2010	08:14:45;	Bright;	;	44.5;	164;	44Eta Peg	;	2.95;	5400;occ;	89;	0;	42674
9;	4766.0;	29-APR-2010	08:19:07;	Dark	;	45.0;	90;	54Alp Peg	;	2.49;	11000;occ;	90;	0;	42674
10;	5157.7;	29-APR-2010	08:25:38;	Dark	;	55.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	111;	0;	42674
11;	5492.0;	29-APR-2010	08:31:13;	Dark	;	51.0;	142;	49Del Cap	;	2.85;	8900;occ;	102;	0;	42674
12;	5652.9;	29-APR-2010	08:33:53;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	42674
13;	5778.1;	29-APR-2010	08:35:59;	Dark	;	40.5;	172;	Gam Gru	;	3.00;	13100;occ;	81;	0;	42674
14;	6200.3;	29-APR-2010	08:43:01;	Dark	;	38.5;	45;	Alp Pav	;	1.94;	26000;occ;	77;	0;	42675
15;	6655.4;	29-APR-2010	08:50:36;	Dark	;	51.5;	141;	Bet Ara	;	2.84;	4600;occ;	103;	0;	42675
16;	6759.9;	29-APR-2010	08:52:20;	Dark	;	49.5;	40;	The Sco	;	1.86;	7100;occ;	99;	0;	42675
17;	7158.2;	29-APR-2010	08:58:59;	Dark	;	38.5;	81;	Eta Cen	;	2.36;	28000;occ;	77;	0;	42675
18;	7623.3;	29-APR-2010	09:06:44;	Bright;	;	47.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	95;	0;	42675
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20100429_091734_000054302089_00036_42675_1244.N1														
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2;	2469.9;	29-APR-2010	09:21:26;	Bright;	;	44.0;	83;		;	2.38;	11000;occ;	88;	0;	42675
3;	2648.5;	29-APR-2010	09:24:25;	Bright;	;	43.5;	180;	27Gam Boo	;	3.04;	8000;occ;	87;	0;	42675
4;	2776.8;	29-APR-2010	09:26:33;	Bright;	;	40.0;	39;	85Eta UMa	;	1.85;	24000;occ;	80;	0;	42675
5;	2854.0;	29-APR-2010	09:27:50;	Bright;	;	37.0;	55;	79Zet UMa	;	2.06;	10200;occ;	74;	0;	42675
6;	3224.4;	29-APR-2010	09:34:01;	Bright;	;	40.0;	60;	7Bet UMi	;	2.08;	3950;occ;	80;	0;	42675
7;	3836.2;	29-APR-2010	09:44:13;	Bright;	;	42.0;	89;	5Alp Cep	;	2.45;	8000;occ;	84;	0;	42675
8;	4504.5;	29-APR-2010	09:55:21;	Bright;	;	47.0;	164;	44Eta Peg	;	2.95;	5400;occ;	94;	0;	42675
9;	4766.3;	29-APR-2010	09:59:43;	Dark	;	43.0;	90;	54Alp Peg	;	2.49;	11000;occ;	86;	0;	42675

10; 5158.5; 29-APR-2010 10:06:15; Dark ; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;42675
11; 5493.2; 29-APR-2010 10:11:50; Dark ; 51.5; 142; 49Del Cap ; 2.85; 8900;occ; 103; 0;42675
12; 5653.4; 29-APR-2010 10:14:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42675
13; 5778.6; 29-APR-2010 10:16:35; Dark ; 41.5; 172; Gam Gru ; 3.00; 13100;occ; 83; 0;42675
14; 6200.3; 29-APR-2010 10:23:37; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42676
15; 6656.0; 29-APR-2010 10:31:12; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;42676
16; 6760.7; 29-APR-2010 10:32:57; Dark ; 56.5; 40; The Sco ; 1.86; 7100;occ; 113; 0;42676
17; 7158.1; 29-APR-2010 10:39:34; Dark ; 42.5; 81; Eta Cen ; 2.36; 28000;occ; 85; 0;42676
18; 7623.6; 29-APR-2010 10:47:20; Bright; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;42676

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1; 2237.8; 29-APR-2010 10:58:10; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;42676
2; 2469.2; 29-APR-2010 11:02:02; Bright; 48.0; 83; ; 2.38; 11000;occ; 96; 0;42676
3; 2647.9; 29-APR-2010 11:05:00; Bright; 42.5; 180; 27Gam Boo ; 3.04; 8000;occ; 85; 0;42676
4; 2776.4; 29-APR-2010 11:07:09; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42676
5; 2853.8; 29-APR-2010 11:08:26; Bright; 39.0; 55; 79Zet UMa ; 2.06; 10200;occ; 78; 0;42676
6; 3224.0; 29-APR-2010 11:14:36; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;42676
7; 3835.4; 29-APR-2010 11:24:48; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;42676
8; 4504.6; 29-APR-2010 11:35:57; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;42676
9; 4766.2; 29-APR-2010 11:40:18; Dark ; 45.5; 90; 54Alp Peg ; 2.49; 11000;occ; 91; 0;42676
10; 5159.4; 29-APR-2010 11:46:52; Dark ; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;42676
11; 5494.0; 29-APR-2010 11:52:26; Dark ; 49.0; 142; 49Del Cap ; 2.85; 8900;occ; 98; 0;42676
12; 5654.5; 29-APR-2010 11:55:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42676
13; 5779.3; 29-APR-2010 11:57:12; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42676
14; 6201.1; 29-APR-2010 12:04:13; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42677
15; 6656.5; 29-APR-2010 12:11:49; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;42677
16; 6761.6; 29-APR-2010 12:13:34; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42677
17; 7158.3; 29-APR-2010 12:20:11; Dark ; 39.5; 81; Eta Cen ; 2.36; 28000;occ; 79; 0;42677
18; 7623.7; 29-APR-2010 12:27:56; Bright; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;42677

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1; 2237.9; 29-APR-2010 12:38:46; Bright; 38.0; 111; 8Eta Boo ; 2.68; 6000;occ; 76; 0;42677
2; 2468.7; 29-APR-2010 12:42:37; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;42677
3; 2647.5; 29-APR-2010 12:45:36; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;42677
4; 2776.1; 29-APR-2010 12:47:44; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;42677
5; 2853.6; 29-APR-2010 12:49:02; Bright; 34.5; 55; 79Zet UMa ; 2.06; 10200;occ; 69; 0;42677
6; 3223.8; 29-APR-2010 12:55:12; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;42677
7; 3835.2; 29-APR-2010 13:05:23; Bright; 42.0; 89; 5Alp Cep ; 2.45; 8000;occ; 84; 0;42677
8; 4504.9; 29-APR-2010 13:16:33; Bright; 44.5; 164; 44Eta Peg ; 2.95; 5400;occ; 89; 0;42677
9; 4766.8; 29-APR-2010 13:20:55; Dark ; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;42677
10; 5159.9; 29-APR-2010 13:27:28; Dark ; 52.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 104; 0;42677
11; 5495.2; 29-APR-2010 13:33:03; Dark ; 48.5; 142; 49Del Cap ; 2.85; 8900;occ; 97; 0;42677
12; 5655.1; 29-APR-2010 13:35:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42677
13; 5779.8; 29-APR-2010 13:37:48; Dark ; 40.0; 172; Gam Gru ; 3.00; 13100;occ; 80; 0;42677
14; 6202.1; 29-APR-2010 13:44:50; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;42678
15; 6657.2; 29-APR-2010 13:52:25; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42678
16; 6762.7; 29-APR-2010 13:54:11; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;42678
17; 7158.8; 29-APR-2010 14:00:47; Dark ; 39.0; 81; Eta Cen ; 2.36; 28000;occ; 78; 0;42678
18; 7348.3; 29-APR-2010 14:03:57; Dark ; 24.5; 158; 6Pi Sco ; 2.91; 28000;occ; 49; 0;42678

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1; 1587.9; 29-APR-2010 14:08:32; Bright; 47.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 95; 0;42678
2; 2237.5; 29-APR-2010 14:19:22; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;42678
3; 2468.5; 29-APR-2010 14:23:13; Bright; 47.5; 83; ; 2.38; 11000;occ; 95; 0;42678
4; 2647.1; 29-APR-2010 14:26:11; Bright; 42.0; 180; 27Gam Boo ; 3.04; 8000;occ; 84; 0;42678
5; 2776.0; 29-APR-2010 14:28:20; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42678
6; 2853.3; 29-APR-2010 14:29:37; Bright; 38.5; 55; 79Zet UMa ; 2.06; 10200;occ; 77; 0;42678
7; 3223.8; 29-APR-2010 14:35:48; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;42678
8; 3835.0; 29-APR-2010 14:45:59; Bright; 42.0; 89; 5Alp Cep ; 2.45; 8000;occ; 84; 0;42678
9; 4504.9; 29-APR-2010 14:57:09; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;42678
10; 4767.0; 29-APR-2010 15:01:31; Dark ; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;42678
11; 5160.8; 29-APR-2010 15:08:05; Dark ; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;42678
12; 5495.9; 29-APR-2010 15:13:40; Dark ; 49.0; 142; 49Del Cap ; 2.85; 8900;occ; 98; 0;42678
13; 5655.7; 29-APR-2010 15:16:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42678
14; 5780.8; 29-APR-2010 15:18:25; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;42678

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1; 622.7; 29-APR-2010 17:13:39; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;42680
2; 728.6; 29-APR-2010 17:15:25; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42680
3; 831.9; 29-APR-2010 17:17:08; Dark ; 61.0; 25; 35Lam Sco ; 1.62; 28000;occ; 122; 0;42680
4; 1024.5; 29-APR-2010 17:20:21; Dark ; 59.5; 75; 26Eps Sco ; 2.29; 4250;occ; 119; 0;42680

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1; 1254.4; 29-APR-2010 17:24:10; Dark ; 71.0; 16; 21Alp Sco ; 1.02; 3000;occ; 142; 0;42680
 2; 1393.8; 29-APR-2010 17:26:30; Dark ; 62.0; 80; 7Del Sco ; 2.32; 30000;occ; 124; 0;42680
 3; 1588.2; 29-APR-2010 17:29:44; Bright; 47.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 95; 0;42680
 4; 1729.5; 29-APR-2010 17:32:06; Bright; 51.5; 104; 27Bet Lib ; 2.61; 13100;occ; 103; 0;42680
 5; 2237.3; 29-APR-2010 17:40:33; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;42680
 6; 2467.1; 29-APR-2010 17:44:23; Bright; 67.0; 83; ; 2.38; 11000;occ; 134; 0;42680
 7; 2646.0; 29-APR-2010 17:47:22; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;42680
 8; 2775.3; 29-APR-2010 17:49:31; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;42680
 9; 3223.6; 29-APR-2010 17:57:00; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42680
 10; 3834.7; 29-APR-2010 18:07:11; Bright; 51.0; 89; 5Alp Cep ; 2.45; 8000;occ; 102; 0;42680
 11; 4147.3; 29-APR-2010 18:12:23; Bright; 59.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 119; 0;42680
 12; 4505.0; 29-APR-2010 18:18:21; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;42680
 13; 4767.3; 29-APR-2010 18:22:43; Dark ; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;42680
 14; 5015.6; 29-APR-2010 18:26:52; Dark ; 64.5; 61; 8Eps Peg ; 2.10; 3900;occ; 129; 0;42680
 15; 5162.2; 29-APR-2010 18:29:18; Dark ; 54.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 109; 0;42680
 16; 5377.0; 29-APR-2010 18:32:53; Dark ; 59.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 118; 0;42680
 17; 5535.2; 29-APR-2010 18:35:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42680
 18; 6659.6; 29-APR-2010 18:54:16; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42681
 19; 6765.1; 29-APR-2010 18:56:01; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;42681
 20; 6869.0; 29-APR-2010 18:57:45; Dark ; 63.0; 25; 35Lam Sco ; 1.62; 28000;occ; 126; 0;42681
 21; 7061.6; 29-APR-2010 19:00:58; Dark ; 18.5; 75; 26Eps Sco ; 2.29; 4250;occ; 37; 0;42681

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1; 1025.6; 29-APR-2010 19:00:58; Dark ; 60.0; 75; 26Eps Sco ; 2.29; 4250;occ; 120; 0;42681
 2; 1255.0; 29-APR-2010 19:04:47; Dark ; 79.0; 16; 21Alp Sco ; 1.02; 3000;occ; 158; 0;42681
 3; 1394.1; 29-APR-2010 19:07:06; Dark ; 62.5; 80; 7Del Sco ; 2.32; 30000;occ; 125; 0;42681
 4; 1588.2; 29-APR-2010 19:10:20; Bright; 47.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 95; 0;42681
 5; 1729.6; 29-APR-2010 19:12:42; Bright; 51.0; 104; 27Bet Lib ; 2.61; 13100;occ; 102; 0;42681
 6; 2236.9; 29-APR-2010 19:21:09; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;42681
 7; 2466.6; 29-APR-2010 19:24:59; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;42681
 8; 2645.6; 29-APR-2010 19:27:58; Bright; 42.0; 180; 27Gam Boo ; 3.04; 8000;occ; 84; 0;42681
 9; 2774.9; 29-APR-2010 19:30:07; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;42681
 10; 3222.9; 29-APR-2010 19:37:35; Bright; 45.5; 119; 14Eta Dra ; 2.73; 4700;occ; 91; 0;42681
 11; 3834.2; 29-APR-2010 19:47:46; Bright; 61.0; 89; 5Alp Cep ; 2.45; 8000;occ; 122; 0;42681
 12; 4146.9; 29-APR-2010 19:52:59; Bright; 60.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 121; 0;42681
 13; 4505.0; 29-APR-2010 19:58:57; Bright; 45.0; 164; 44Eta Peg ; 2.95; 5400;occ; 90; 0;42681
 14; 4767.8; 29-APR-2010 20:03:20; Dark ; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;42681
 15; 5016.4; 29-APR-2010 20:07:28; Dark ; 66.5; 61; 8Eps Peg ; 2.10; 3900;occ; 133; 0;42681
 16; 5163.0; 29-APR-2010 20:09:55; Dark ; 55.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 111; 0;42681
 17; 5378.1; 29-APR-2010 20:13:30; Dark ; 57.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 115; 0;42681
 18; 5536.3; 29-APR-2010 20:16:08; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;42681
 19; 6659.9; 29-APR-2010 20:34:52; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;42682
 20; 6766.1; 29-APR-2010 20:36:38; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;42682
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 2; -497.5; 29-APR-2010 23:37:22; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;42683
 3; 625.2; 29-APR-2010 23:56:05; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;42684
 4; 732.1; 29-APR-2010 23:57:52; Dark ; 55.5; 40; The Sco ; 1.86; 7100;occ; 111; 0;42684
 5; 835.7; 29-APR-2010 23:59:35; Dark ; 62.0; 25; 35Lam Sco ; 1.62; 28000;occ; 124; 0;42684
 6; 1027.5; 30-APR-2010 00:02:47; Dark ; 62.5; 75; 26Eps Sco ; 2.29; 4250;occ; 125; 0;42684
 7; 1256.5; 30-APR-2010 00:06:36; Dark ; 78.5; 16; 21Alp Sco ; 1.02; 3000;occ; 157; 0;42684
 8; 1394.9; 30-APR-2010 00:08:55; Dark ; 61.5; 80; 7Del Sco ; 2.32; 30000;occ; 123; 0;42684
 9; 1588.4; 30-APR-2010 00:12:08; Bright; 47.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 94; 0;42684
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 16; 3832.9; 30-APR-2010 00:49:33; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;42684
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 18; 4505.5; 30-APR-2010 01:00:45; Bright; 47.0; 164; 44Eta Peg ; 2.95; 5400;occ; 94; 0;42684
 19; 4768.5; 30-APR-2010 01:05:08; Dark ; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;42684
 20; 5018.8; 30-APR-2010 01:09:19; Dark ; 68.0; 61; 8Eps Peg ; 2.10; 3900;occ; 136; 0;42684
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 2; -496.4; 30-APR-2010 01:17:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42684

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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
9;	1588.5;	30-APR-2010	01:52:44;	Bright;		47.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	95;	0;	42685
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11;	2236.2;	30-APR-2010	02:03:32;	Bright;		41.0;	111;	8Eta Boo	;	2.68;	6000;occ;	82;	0;	42685
12;	2464.3;	30-APR-2010	02:07:20;	Bright;		48.0;	83;		;	2.38;	11000;occ;	96;	0;	42685
13;	2643.5;	30-APR-2010	02:10:19;	Bright;		42.0;	180;	27Gam Boo	;	3.04;	8000;occ;	84;	0;	42685
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
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18;	4505.8;	30-APR-2010	02:41:21;	Bright;		46.5;	164;	44Eta Peg	;	2.95;	5400;occ;	93;	0;	42685
19;	4768.9;	30-APR-2010	02:45:45;	Dark	;	45.5;	90;	54Alp Peg	;	2.49;	11000;occ;	91;	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
25;	6769.6;	30-APR-2010	03:19:05;	Dark	;	50.0;	40;	The Sco	;	1.86;	7100;occ;	100;	0;	42686
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
30;	7624.6;	30-APR-2010	03:33:20;	Bright;		54.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	109;	0;	42686
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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2;	-2203.4;	30-APR-2010	04:10:44;	Bright;		43.0;	89;	5Alp Cep	;	2.45;	8000;occ;	86;	0;	42686
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
5;	-1266.7;	30-APR-2010	04:26:21;	Dark	;	45.5;	90;	54Alp Peg	;	2.49;	11000;occ;	91;	0;	42686
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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13;	1029.7;	30-APR-2010	05:04:37;	Dark	;	60.5;	75;	26Eps Sco	;	2.29;	4250;occ;	121;	0;	42687
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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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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
4;	1590.0;	30-APR-2010	20:19:21;	Bright;		43.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	86;	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
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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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11;	3829.8;	30-APR-2010	20:56:41;	Bright;		43.0;	89;	5Alp Cep	;	2.45;	8000;occ;	86;	0;	42696


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14; 5026.7; 30-APR-2010 17:55:26; Dark ; 65.5; 61; 8Eps Peg ; 2.10; 3900;occ; 131; 0;42694
15; 5172.9; 30-APR-2010 17:57:52; Dark ; 56.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 112; 0;42694
16; 5393.3; 30-APR-2010 18:01:32; Dark ; 61.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 122; 0;42694
17; 5550.8; 30-APR-2010 18:04:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42694
18; 5792.6; 30-APR-2010 18:08:12; Dark ; 41.0; 172; Gam Gru ; 3.00; 13100;occ; 82; 0;42694
19; 6668.1; 30-APR-2010 18:22:47; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42695
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21; 6882.5; 30-APR-2010 18:26:22; Dark ; 60.5; 25; 35Lam Sco ; 1.62; 28000;occ; 121; 0;42695
22; 7071.6; 30-APR-2010 18:29:31; Dark ; 15.0; 75; 26Eps Sco ; 2.29; 4250;occ; 30; 0;42695
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3; 1398.6; 30-APR-2010 18:35:34; Dark ; 60.0; 80; 7Del Sco ; 2.32; 30000;occ; 120; 0;42695
4; 1589.8; 30-APR-2010 18:38:45; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42695
5; 1728.4; 30-APR-2010 18:41:04; Bright; 49.0; 104; 27Bet Lib ; 2.61; 13100;occ; 98; 0;42695
6; 2234.3; 30-APR-2010 18:49:29; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;42695
7; 2458.7; 30-APR-2010 18:53:14; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;42695
8; 2639.0; 30-APR-2010 18:56:14; Bright; 42.0; 180; 27Gam Boo ; 3.04; 8000;occ; 84; 0;42695
9; 2772.0; 30-APR-2010 18:58:27; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;42695
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