

GOMOS Daily Report 05-JAN-2010

Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM_TRA_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	07JAN2010 04:36:03
Data source version	GOMOS/5.00L04
Start time of products	05JAN2010 00:00:41
Stop time of products	05JAN2010 23:55:00
Store outputs in DB	Yes
Nb of level 1b prods	144
Nb of prods with errors	1

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

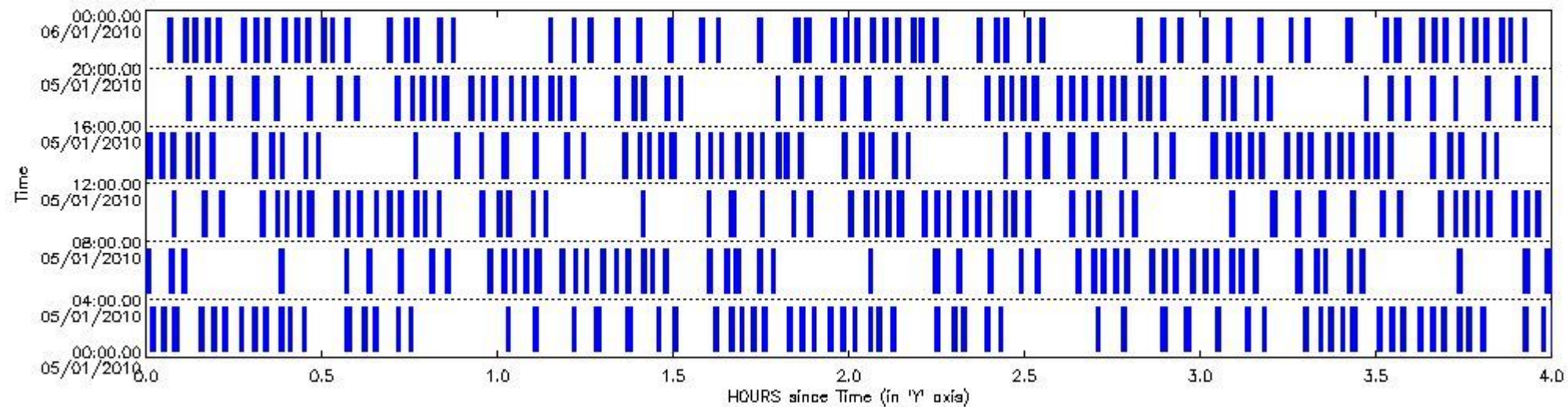
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

No missing products.

2.4 Summary of processed GOM_TRA_1P products

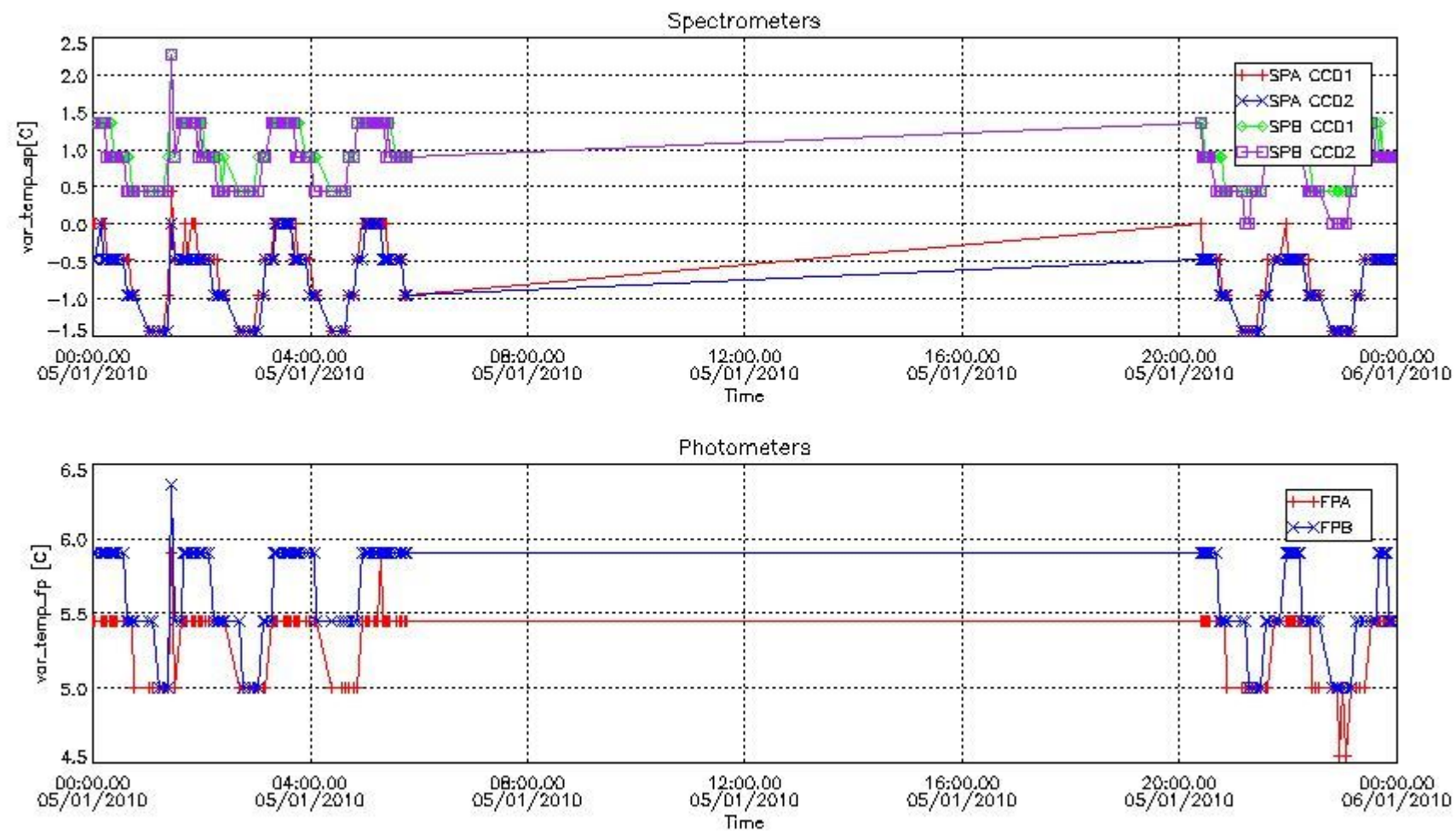
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100105_000041_000000412085_00403_41038_2622.N1	05-JAN-2010 00:00:41	Dark	41.000	77	Eps Cen	2.3030	28000.	82	41038	No
2	GOM_TRA_1PNPDE20100105_000240_000000462085_00403_41038_2623.N1	05-JAN-2010 00:02:40	Dark	46.000	64	Gam Cen	2.2000	10600.	92	41038	No
3	GOM_TRA_1PNPDE20100105_000853_000000512085_00403_41038_2624.N1	05-JAN-2010 00:08:53	Dark	51.000	113	Mu Vel	2.6920	5000.0	102	41038	No
4	GOM_TRA_1PNPDE20100105_001107_000000472085_00403_41038_2625.N1	05-JAN-2010 00:11:07	Dark	46.500	71	Iot Car	2.2460	7700.0	93	41038	No
5	GOM_TRA_1PNPDE20100105_001301_000000422085_00403_41038_2626.N1	05-JAN-2010 00:13:01	Dark	42.000	46	Del Vel	1.9540	10600.	84	41038	No
6	GOM_TRA_1PNPDE20100105_001551_000000432085_00403_41038_2627.N1	05-JAN-2010 00:15:51	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	41038	No
7	GOM_TRA_1PNPDE20100105_001802_000000452085_00403_41038_2628.N1	05-JAN-2010 00:18:02	Dark	45.000	70	Zet Pup	2.2460	39000.	90	41038	No
8	GOM_TRA_1PNPDE20100105_001959_000000452085_00403_41038_2629.N1	05-JAN-2010 00:19:59	Dark	44.500	117	Pi Pup	2.7060	3800.0	89	41038	No
9	GOM_TRA_1PNPDE20100105_002242_000000442085_00403_41038_2630.N1	05-JAN-2010 00:22:42	Straylight	43.500	23	21Eps CMa	1.5020	26000.	87	41038	No
10	GOM_TRA_1PNPDE20100105_002412_000000442085_00403_41038_2631.N1	05-JAN-2010 00:24:12	Straylight	43.500	179	24Omi2CMa	3.0320	24000.	87	41038	No
11	GOM_TRA_1PNPDE20100105_002635_000000392085_00403_41038_2632.N1	05-JAN-2010 00:26:35	Straylight	38.500	1	9Alp CMa	-1.4400	11000.	77	41038	No
12	GOM_TRA_1PNPDE20100105_003358_000000542085_00403_41038_2633.N1	05-JAN-2010 00:33:58	Twl_and_stray	54.000	14	58Alp Ori	0.87000	3000.0	108	41038	No

13	GOM_TRA_1PNPDE20100105_003659_000000482085_00403_41038_2634.N1	05-JAN-2010 00:36:59	Twilight	47.500	44	24Gam Gem	1.9280	11000.	95	41038	No
14	GOM_TRA_1PNPDE20100105_003838_000000472085_00403_41038_2635.N1	05-JAN-2010 00:38:38	Bright	46.500	151	13Mu Gem	2.8900	3000.0	93	41038	No
15	GOM_TRA_1PNPDE20100105_004241_000000382085_00403_41038_2636.N1	05-JAN-2010 00:42:41	Bright	37.500	107	37The Aur	2.6490	11000.	75	41038	No
16	GOM_TRA_1PNPDE20100105_004455_000000372085_00403_41038_2637.N1	05-JAN-2010 00:44:55	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41038	No
17	GOM_TRA_1PNPDE20100105_010131_000000402085_00403_41038_2638.N1	05-JAN-2010 01:01:31	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	41038	No
18	GOM_TRA_1PNPDE20100105_010558_000000502085_00403_41038_2639.N1	05-JAN-2010 01:05:58	Bright	50.000	55	79Zet UMa	2.0600	10200.	100	41038	No
19	GOM_TRA_1PNPDE20100105_011241_000000422085_00403_41038_2640.N1	05-JAN-2010 01:12:41	Bright	42.000	180	27Gam Boo	3.0400	8000.0	84	41038	No
20	GOM_TRA_1PNPDE20100105_011633_000000652085_00403_41038_2641.N1	05-JAN-2010 01:16:33	Bright	65.000	83		2.3780	11000.	130	41038	No
21	GOM_TRA_1PNPDE20100105_012156_000000552085_00403_41038_2642.N1	05-JAN-2010 01:21:56	Bright	55.000	102	24Alp Ser	2.6000	4250.0	110	41038	No
22	GOM_TRA_1PNPDE20100105_012709_000000432085_00403_41038_2634.N1	05-JAN-2010 01:27:09	Bright	43.000	104	27Bet Lib	2.6140	13100.	86	41038	Yes
23	GOM_TRA_1PNPDE20100105_012957_000000482085_00403_41038_2635.N1	05-JAN-2010 01:29:57	Twilight	47.500	122	9Alp2Lib	2.7470	9700.0	95	41038	No
24	GOM_TRA_1PNPDE20100105_013657_000000482085_00403_41038_2636.N1	05-JAN-2010 01:36:57	Dark	47.500	54	5The Cen	2.0550	4500.0	95	41038	No
25	GOM_TRA_1PNPDE20100105_013936_000000412085_00403_41038_2637.N1	05-JAN-2010 01:39:36	Dark	41.000	95	Zet Cen	2.5450	26000.	82	41038	No
26	GOM_TRA_1PNPDE20100105_014118_000000462085_00404_41039_2638.N1	05-JAN-2010 01:41:18	Dark	45.500	77	Eps Cen	2.3030	28000.	91	41039	No
27	GOM_TRA_1PNPDE20100105_014317_000000462085_00404_41039_2639.N1	05-JAN-2010 01:43:17	Dark	45.500	64	Gam Cen	2.2000	10600.	91	41039	No
28	GOM_TRA_1PNPDE20100105_014930_000000472085_00404_41039_2640.N1	05-JAN-2010 01:49:30	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	41039	No
29	GOM_TRA_1PNPDE20100105_015143_000000452085_00404_41039_2641.N1	05-JAN-2010 01:51:43	Dark	45.000	71	lot Car	2.2460	7700.0	90	41039	No
30	GOM_TRA_1PNPDE20100105_015338_000000462085_00404_41039_2642.N1	05-JAN-2010 01:53:38	Dark	45.500	46	Del Vel	1.9540	10600.	91	41039	No
31	GOM_TRA_1PNPDE20100105_015627_000000472085_00404_41039_2643.N1	05-JAN-2010 01:56:27	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	41039	No
32	GOM_TRA_1PNPDE20100105_015838_000000452085_00404_41039_2644.N1	05-JAN-2010 01:58:38	Dark	45.000	70	Zet Pup	2.2460	39000.	90	41039	No
33	GOM_TRA_1PNPDE20100105_020035_000000482085_00404_41039_2645.N1	05-JAN-2010 02:00:35	Dark	47.500	117	Pi Pup	2.7060	3800.0	95	41039	No
34	GOM_TRA_1PNPDE20100105_020318_000000452085_00404_41039_2646.N1	05-JAN-2010 02:03:18	Straylight	44.500	23	21Eps CMa	1.5020	26000.	89	41039	No
35	GOM_TRA_1PNPDE20100105_020448_000000442085_00404_41039_2647.N1	05-JAN-2010 02:04:48	Straylight	43.500	179	24Omi2CMa	3.0320	24000.	87	41039	No
36	GOM_TRA_1PNPDE20100105_020711_000000462085_00404_41039_2648.N1	05-JAN-2010 02:07:11	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	41039	No
37	GOM_TRA_1PNPDE20100105_021433_000000542085_00404_41039_2649.N1	05-JAN-2010 02:14:33	Twilight	54.000	14	58Alp Ori	0.87000	3000.0	108	41039	No
38	GOM_TRA_1PNPDE20100105_021735_000000482085_00404_41039_2650.N1	05-JAN-2010 02:17:35	Twilight	47.500	44	24Gam Gem	1.9280	11000.	95	41039	No
39	GOM_TRA_1PNPDE20100105_021914_000000462085_00404_41039_2651.N1	05-JAN-2010 02:19:14	Bright	46.000	151	13Mu Gem	2.8900	3000.0	92	41039	No
40	GOM_TRA_1PNPDE20100105_022317_000000382085_00404_41039_2652.N1	05-JAN-2010 02:23:17	Bright	38.000	107	37The Aur	2.6490	11000.	76	41039	No
41	GOM_TRA_1PNPDE20100105_022530_000000372085_00404_41039_2653.N1	05-JAN-2010 02:25:30	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41039	No
42	GOM_TRA_1PNPDE20100105_024207_000000352085_00404_41039_2654.N1	05-JAN-2010 02:42:07	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	41039	No
43	GOM_TRA_1PNPDE20100105_024635_000000502085_00404_41039_2662.N1	05-JAN-2010 02:46:35	Bright	50.000	55	79Zet UMa	2.0600	10200.	100	41039	No
44	GOM_TRA_1PNPDE20100105_025317_000000652085_00404_41039_2663.N1	05-JAN-2010 02:53:17	Bright	65.000	180	27Gam Boo	3.0400	8000.0	130	41039	No
45	GOM_TRA_1PNPDE20100105_025710_000000652085_00404_41039_2664.N1	05-JAN-2010 02:57:10	Bright	65.000	83		2.3780	11000.	130	41039	No
46	GOM_TRA_1PNPDE20100105_030232_000000552085_00404_41039_2665.N1	05-JAN-2010 03:02:32	Bright	55.000	102	24Alp Ser	2.6000	4250.0	110	41039	No
47	GOM_TRA_1PNPDE20100105_030746_000000432085_00404_41039_2666.N1	05-JAN-2010 03:07:46	Bright	42.500	104	27Bet Lib	2.6140	13100.	85	41039	No
48	GOM_TRA_1PNPDE20100105_031034_000000432085_00404_41039_2667.N1	05-JAN-2010 03:10:34	Twilight	43.000	122	9Alp2Lib	2.7470	9700.0	86	41039	No
49	GOM_TRA_1PNPDE20100105_031734_000000452085_00404_41039_2668.N1	05-JAN-2010 03:17:34	Dark	44.500	54	5The Cen	2.0550	4500.0	89	41039	No
50	GOM_TRA_1PNPDE20100105_032013_000000422085_00404_41039_2669.N1	05-JAN-2010 03:20:13	Dark	41.500	95	Zet Cen	2.5450	26000.	83	41039	No
51	GOM_TRA_1PNPDE20100105_032154_000000402085_00405_41040_2670.N1	05-JAN-2010 03:21:54	Dark	40.000	77	Eps Cen	2.3030	28000.	80	41040	No
52	GOM_TRA_1PNPDE20100105_032354_000000422085_00405_41040_2671.N1	05-JAN-2010 03:23:54	Dark	42.000	64	Gam Cen	2.2000	10600.	84	41040	No
53	GOM_TRA_1PNPDE20100105_033007_000000482085_00405_41040_2672.N1	05-JAN-2010 03:30:07	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	41040	No
54	GOM_TRA_1PNPDE20100105_033220_000000482085_00405_41040_2673.N1	05-JAN-2010 03:32:20	Dark	48.000	71	lot Car	2.2460	7700.0	96	41040	No
55	GOM_TRA_1PNPDE20100105_033414_000000452085_00405_41040_2674.N1	05-JAN-2010 03:34:14	Dark	45.000	46	Del Vel	1.9540	10600.	90	41040	No
56	GOM_TRA_1PNPDE20100105_033704_000000462085_00405_41040_2675.N1	05-JAN-2010 03:37:04	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	41040	No
57	GOM_TRA_1PNPDE20100105_033915_000000472085_00405_41040_2676.N1	05-JAN-2010 03:39:15	Dark	46.500	70	Zet Pup	2.2460	39000.	93	41040	No
58	GOM_TRA_1PNPDE20100105_034112_000000462085_00405_41040_2677.N1	05-JAN-2010 03:41:12	Dark	45.500	117	Pi Pup	2.7060	3800.0	91	41040	No
59	GOM_TRA_1PNPDE20100105_034355_000000452085_00405_41040_2678.N1	05-JAN-2010 03:43:55	Straylight	44.500	23	21Eps CMa	1.5020	26000.	89	41040	No
60	GOM_TRA_1PNPDE20100105_034525_000000452085_00405_41040_2679.N1	05-JAN-2010 03:45:25	Straylight	44.500	179	24Omi2CMa	3.0320	24000.	89	41040	No
61	GOM_TRA_1PNPDE20100105_034747_000000492085_00405_41040_2680.N1	05-JAN-2010 03:47:47	Straylight	49.000	1	9Alp CMa	-1.4400	11000.	98	41040	No
62	GOM_TRA_1PNPDE20100105_035509_000000512085_00405_41040_2681.N1	05-JAN-2010 03:55:09	Twilight	50.500	14	58Alp Ori	0.87000	3000.0	101	41040	No
63	GOM_TRA_1PNPDE20100105_035811_000000472085_00405_41040_2682.N1	05-JAN-2010 03:58:11	Twilight	47.000	44	24Gam Gem	1.9280	11000.	94	41040	No
64	GOM_TRA_1PNPDE20100105_035950_000000472085_00405_41040_2683.N1	05-JAN-2010 03:59:50	Bright	46.500	151	13Mu Gem	2.8900	3000.0	93	41040	No
65	GOM_TRA_1PNPDE20100105_040353_000000522085_00405_41040_2684.N1	05-JAN-2010 04:03:53	Bright	51.500	107	37The Aur	2.6490	11000.	103	41040	No
66	GOM_TRA_1PNPDE20100105_040606_000000382085_00405_41040_2685.N1	05-JAN-2010 04:06:06	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	41040	No
67	GOM_TRA_1PNPDE20100105_042243_000000402085_00405_41040_2680.N1	05-JAN-2010 04:22:43	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	41040	No
68	GOM_TRA_1PNPDE20100105_043353_000000422085_00405_41040_2681.N1	05-JAN-2010 04:33:53	Bright	42.000	180	27Gam Boo	3.0400	8000.0	84	41040	No
69	GOM_TRA_1PNPDE20100105_043746_000000462085_00405_41040_2682.N1	05-JAN-2010 04:37:46	Bright	45.500	83		2.3780	11000.	91	41040	No
70	GOM_TRA_1PNPDE20100105_044308_000000372085_00405_41040_2683.N1	05-JAN-2010 04:43:08	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	41040	No
71	GOM_TRA_1PNPDE20100105_044822_000000522085_00405_41040_2684.N1	05-JAN-2010 04:48:22	Bright	51.500	104	27Bet Lib	2.6140	13100.	103	41040	No

72	GOM_TRA_1PNPDE20100105_045110_000000452085_00405_41040_2685.N1	05-JAN-2010 04:51:10	Twilight	44.500	122	9Alp2Lib	2.7470	9700.0	89	41040	No
73	GOM_TRA_1PNPDE20100105_045811_000000572085_00405_41040_2686.N1	05-JAN-2010 04:58:11	Dark	56.500	54	5The Cen	2.0550	4500.0	113	41040	No
74	GOM_TRA_1PNPDE20100105_050049_000000392085_00405_41040_2687.N1	05-JAN-2010 05:00:49	Dark	39.000	95	Zet Cen	2.5450	26000.	78	41040	No
75	GOM_TRA_1PNPDE20100105_050231_000000412085_00406_41041_2688.N1	05-JAN-2010 05:02:31	Dark	40.500	77	Eps Cen	2.3030	28000.	81	41041	No
76	GOM_TRA_1PNPDE20100105_050431_000000432085_00406_41041_2689.N1	05-JAN-2010 05:04:31	Dark	42.500	64	Gam Cen	2.2000	10600.	85	41041	No
77	GOM_TRA_1PNPDE20100105_051044_000000462085_00406_41041_2690.N1	05-JAN-2010 05:10:44	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	41041	No
78	GOM_TRA_1PNPDE20100105_051256_000000402085_00406_41041_2691.N1	05-JAN-2010 05:12:56	Dark	40.000	71	Iot Car	2.2460	7700.0	80	41041	No
79	GOM_TRA_1PNPDE20100105_051451_000000422085_00406_41041_2692.N1	05-JAN-2010 05:14:51	Dark	41.500	46	Del Vel	1.9540	10600.	83	41041	No
80	GOM_TRA_1PNPDE20100105_051740_000000452085_00406_41041_2693.N1	05-JAN-2010 05:17:40	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	41041	No
81	GOM_TRA_1PNPDE20100105_051951_000000452085_00406_41041_2694.N1	05-JAN-2010 05:19:51	Dark	45.000	70	Zet Pup	2.2460	39000.	90	41041	No
82	GOM_TRA_1PNPDE20100105_052148_000000462085_00406_41041_2695.N1	05-JAN-2010 05:21:48	Dark	46.000	117	Pi Pup	2.7060	3800.0	92	41041	No
83	GOM_TRA_1PNPDE20100105_052431_000000462085_00406_41041_2696.N1	05-JAN-2010 05:24:31	Straylight	45.500	23	21Eps CMa	1.5020	26000.	91	41041	No
84	GOM_TRA_1PNPDE20100105_052601_000000432085_00406_41041_2697.N1	05-JAN-2010 05:26:01	Straylight	42.500	179	24Omi2CMa	3.0320	24000.	85	41041	No
85	GOM_TRA_1PNPDE20100105_052823_000000502085_00406_41041_2698.N1	05-JAN-2010 05:28:23	Straylight	50.000	1	9Alp CMa	-1.4400	11000.	100	41041	No
86	GOM_TRA_1PNPDE20100105_053545_000000532085_00406_41041_2699.N1	05-JAN-2010 05:35:45	Twilight	53.000	14	58Alp Ori	0.87000	3000.0	106	41041	No
87	GOM_TRA_1PNPDE20100105_053846_000000482085_00406_41041_2700.N1	05-JAN-2010 05:38:46	Twilight	48.000	44	24Gam Gem	1.9280	11000.	96	41041	No
88	GOM_TRA_1PNPDE20100105_054026_000000572085_00406_41041_2701.N1	05-JAN-2010 05:40:26	Bright	57.000	151	13Mu Gem	2.8900	3000.0	114	41041	No
89	GOM_TRA_1PNPDE20100105_054429_000000382085_00406_41041_2702.N1	05-JAN-2010 05:44:29	Bright	38.000	107	37The Aur	2.6490	11000.	76	41041	No
90	GOM_TRA_1PNPDE20100105_054642_000000372085_00406_41041_2703.N1	05-JAN-2010 05:46:42	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41041	No
91	GOM_TRA_1PNPDE20100105_202308_000000462085_00415_41050_2764.N1	05-JAN-2010 20:23:08	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	41050	No
92	GOM_TRA_1PNPDE20100105_202519_000000472085_00415_41050_2765.N1	05-JAN-2010 20:25:19	Dark	47.000	70	Zet Pup	2.2460	39000.	94	41050	No
93	GOM_TRA_1PNPDE20100105_202714_000000452085_00415_41050_2766.N1	05-JAN-2010 20:27:14	Dark	44.500	117	Pi Pup	2.7060	3800.0	89	41050	No
94	GOM_TRA_1PNPDE20100105_202957_000000442085_00415_41050_2767.N1	05-JAN-2010 20:29:57	Straylight	44.000	23	21Eps CMa	1.5020	26000.	88	41050	No
95	GOM_TRA_1PNPDE20100105_203126_000000422085_00415_41050_2768.N1	05-JAN-2010 20:31:26	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	41050	No
96	GOM_TRA_1PNPDE20100105_203348_000000482085_00415_41050_2769.N1	05-JAN-2010 20:33:48	Straylight	48.000	1	9Alp CMa	-1.4400	11000.	96	41050	No
97	GOM_TRA_1PNPDE20100105_204109_000000502085_00415_41050_2770.N1	05-JAN-2010 20:41:09	Twilight	49.500	14	58Alp Ori	0.87000	3000.0	99	41050	No
98	GOM_TRA_1PNPDE20100105_204407_000000482085_00415_41050_2771.N1	05-JAN-2010 20:44:07	Twilight	47.500	44	24Gam Gem	1.9280	11000.	95	41050	No
99	GOM_TRA_1PNPDE20100105_204547_000000452085_00415_41050_2772.N1	05-JAN-2010 20:45:47	Bright	45.000	151	13Mu Gem	2.8900	3000.0	90	41050	No
100	GOM_TRA_1PNPDE20100105_204950_000000372085_00415_41050_2773.N1	05-JAN-2010 20:49:50	Bright	37.000	107	37The Aur	2.6490	11000.	74	41050	No
101	GOM_TRA_1PNPDE20100105_205204_000000392085_00415_41050_2774.N1	05-JAN-2010 20:52:04	Bright	39.000	42	34Bet Aur	1.9000	10200.	78	41050	No
102	GOM_TRA_1PNPDE20100105_210841_000000402085_00415_41050_2775.N1	05-JAN-2010 21:08:41	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	41050	No
103	GOM_TRA_1PNPDE20100105_211242_000000342085_00415_41050_2776.N1	05-JAN-2010 21:12:42	Bright	34.000	119	14Eta Dra	2.7270	4700.0	68	41050	No
104	GOM_TRA_1PNPDE20100105_211531_000000482085_00415_41050_2777.N1	05-JAN-2010 21:15:31	Bright	47.500	39	85Eta UMa	1.8540	24000.	95	41050	No
105	GOM_TRA_1PNPDE20100105_211952_000000632085_00415_41050_2778.N1	05-JAN-2010 21:19:52	Bright	63.000	180	27Gam Boo	3.0400	8000.0	126	41050	No
106	GOM_TRA_1PNPDE20100105_212348_000000492085_00415_41050_2779.N1	05-JAN-2010 21:23:48	Bright	49.000	83		2.3780	11000.	98	41050	No
107	GOM_TRA_1PNPDE20100105_212911_000000382085_00415_41050_2780.N1	05-JAN-2010 21:29:11	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	41050	No
108	GOM_TRA_1PNPDE20100105_213427_000000442085_00415_41050_2783.N1	05-JAN-2010 21:34:27	Bright	43.500	104	27Bet Lib	2.6140	13100.	87	41050	No
109	GOM_TRA_1PNPDE20100105_213717_000000472085_00415_41050_2784.N1	05-JAN-2010 21:37:17	Twilight	47.000	122	9Alp2Lib	2.7470	9700.0	94	41050	No
110	GOM_TRA_1PNPDE20100105_214418_000000552085_00415_41050_2785.N1	05-JAN-2010 21:44:18	Dark	54.500	54	5The Cen	2.0550	4500.0	109	41050	No
111	GOM_TRA_1PNPDE20100105_215039_000000502085_00416_41051_2786.N1	05-JAN-2010 21:50:39	Dark	50.000	64	Gam Cen	2.2000	10600.	100	41051	No
112	GOM_TRA_1PNPDE20100105_215652_000000532085_00416_41051_2787.N1	05-JAN-2010 21:56:52	Dark	52.500	113	Mu Vel	2.6920	5000.0	105	41051	No
113	GOM_TRA_1PNPDE20100105_215901_000000472085_00416_41051_2788.N1	05-JAN-2010 21:59:01	Dark	46.500	71	Iot Car	2.2460	7700.0	93	41051	No
114	GOM_TRA_1PNPDE20100105_220055_000000472085_00416_41051_2789.N1	05-JAN-2010 22:00:55	Dark	46.500	46	Del Vel	1.9540	10600.	93	41051	No
115	GOM_TRA_1PNPDE20100105_220344_000000462085_00416_41051_2790.N1	05-JAN-2010 22:03:44	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	41051	No
116	GOM_TRA_1PNPDE20100105_220555_000000452085_00416_41051_2791.N1	05-JAN-2010 22:05:55	Dark	44.500	70	Zet Pup	2.2460	39000.	89	41051	No
117	GOM_TRA_1PNPDE20100105_220750_000000482085_00416_41051_2792.N1	05-JAN-2010 22:07:50	Dark	47.500	117	Pi Pup	2.7060	3800.0	95	41051	No
118	GOM_TRA_1PNPDE20100105_221033_000000452085_00416_41051_2793.N1	05-JAN-2010 22:10:33	Straylight	45.000	23	21Eps CMa	1.5020	26000.	90	41051	No
119	GOM_TRA_1PNPDE20100105_221202_000000432085_00416_41051_2794.N1	05-JAN-2010 22:12:02	Straylight	43.000	179	24Omi2CMa	3.0320	24000.	86	41051	No
120	GOM_TRA_1PNPDE20100105_221424_000000462085_00416_41051_2795.N1	05-JAN-2010 22:14:24	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	41051	No
121	GOM_TRA_1PNPDE20100105_222145_000000512085_00416_41051_2796.N1	05-JAN-2010 22:21:45	Twilight	51.000	14	58Alp Ori	0.87000	3000.0	102	41051	No
122	GOM_TRA_1PNPDE20100105_222443_000000502085_00416_41051_2797.N1	05-JAN-2010 22:24:43	Twilight	50.000	44	24Gam Gem	1.9280	11000.	100	41051	No
123	GOM_TRA_1PNPDE20100105_222623_000000472085_00416_41051_2798.N1	05-JAN-2010 22:26:23	Bright	46.500	151	13Mu Gem	2.8900	3000.0	93	41051	No
124	GOM_TRA_1PNPDE20100105_223026_000000392085_00416_41051_2799.N1	05-JAN-2010 22:30:26	Bright	39.000	107	37The Aur	2.6490	11000.	78	41051	No
125	GOM_TRA_1PNPDE20100105_223239_000000382085_00416_41051_2800.N1	05-JAN-2010 22:32:39	Bright	38.000	42	34Bet Aur	1.9000	10200.	76	41051	No
126	GOM_TRA_1PNPDE20100105_224917_000000402085_00416_41051_2801.N1	05-JAN-2010 22:49:17	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	41051	No
127	GOM_TRA_1PNPDE20100105_225318_000000402085_00416_41051_2802.N1	05-JAN-2010 22:53:18	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	41051	No
128	GOM_TRA_1PNPDE20100105_225606_000000512085_00416_41051_2803.N1	05-JAN-2010 22:56:06	Bright	51.000	39	85Eta UMa	1.8540	24000.	102	41051	No
129	GOM_TRA_1PNPDE20100105_230029_000000442085_00416_41051_2804.N1	05-JAN-2010 23:00:29	Bright	43.500	180	27Gam Boo	3.0400	8000.0	87	41051	No
130	GOM_TRA_1PNPDE20100105_230424_000000462085_00416_41051_2805.N1	05-JAN-2010 23:04:24	Bright	45.500	83		2.3780	11000.	91	41051	No

131	GOM_TRA_1PNPDE20100105_230947_000000562085_00416_41051_2806.N1	05-JAN-2010 23:09:47	Bright	56.000	102	24Alp Ser	2.6000	4250.0	112	41051	No
132	GOM_TRA_1PNPDE20100105_231503_000000432085_00416_41051_2807.N1	05-JAN-2010 23:15:03	Bright	42.500	104	27Bet Lib	2.6140	13100.	85	41051	No
133	GOM_TRA_1PNPDE20100105_231753_000000472085_00416_41051_2807.N1	05-JAN-2010 23:17:53	Twilight_stray	46.500	122	9Alp2Lib	2.7470	9700.0	93	41051	No
134	GOM_TRA_1PNPDE20100105_232455_000000542085_00416_41051_2808.N1	05-JAN-2010 23:24:55	Dark	53.500	54	5The Cen	2.0550	4500.0	107	41051	No
135	GOM_TRA_1PNPDE20100105_233115_000000432085_00417_41052_2809.N1	05-JAN-2010 23:31:15	Dark	43.000	64	Gam Cen	2.2000	10600.	86	41052	No
136	GOM_TRA_1PNPDE20100105_233728_000000502085_00417_41052_2810.N1	05-JAN-2010 23:37:28	Dark	49.500	113	Mu Vel	2.6920	5000.0	99	41052	No
137	GOM_TRA_1PNPDE20100105_233937_000000442085_00417_41052_2811.N1	05-JAN-2010 23:39:37	Dark	43.500	71	Iot Car	2.2460	7700.0	87	41052	No
138	GOM_TRA_1PNPDE20100105_234132_000000452085_00417_41052_2812.N1	05-JAN-2010 23:41:32	Dark	45.000	46	Del Vel	1.9540	10600.	90	41052	No
139	GOM_TRA_1PNPDE20100105_234421_000000422085_00417_41052_2813.N1	05-JAN-2010 23:44:21	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	41052	No
140	GOM_TRA_1PNPDE20100105_234631_000000452085_00417_41052_2814.N1	05-JAN-2010 23:46:31	Dark	45.000	70	Zet Pup	2.2460	39000.	90	41052	No
141	GOM_TRA_1PNPDE20100105_234827_000000452085_00417_41052_2815.N1	05-JAN-2010 23:48:27	Dark	44.500	117	Pi Pup	2.7060	3800.0	89	41052	No
142	GOM_TRA_1PNPDE20100105_235109_000000422085_00417_41052_2816.N1	05-JAN-2010 23:51:09	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	41052	No
143	GOM_TRA_1PNPDE20100105_235238_000000432085_00417_41052_2817.N1	05-JAN-2010 23:52:38	Straylight	43.000	179	24Omi2CMa	3.0320	24000.	86	41052	No
144	GOM_TRA_1PNPDE20100105_235500_000000422085_00417_41052_2818.N1	05-JAN-2010 23:55:00	Straylight	41.500	1	9Alp CMa	-1.4400	11000.	83	41052	No

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



4. Overview of dark signal processing per product

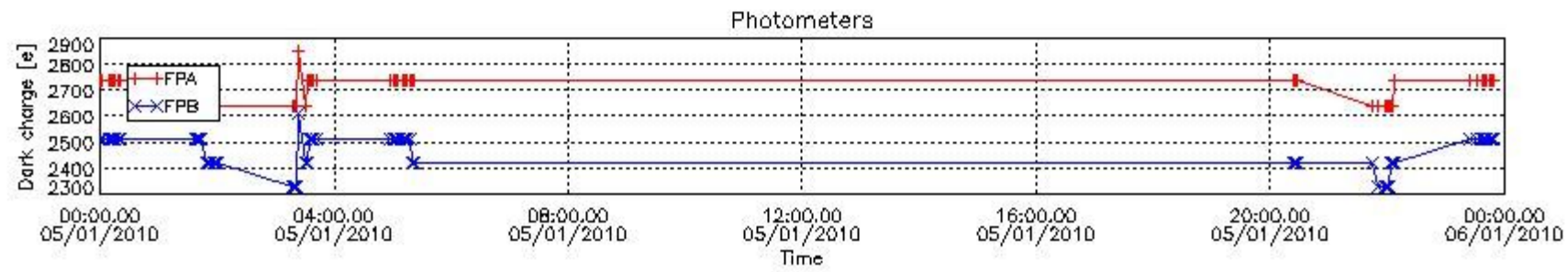
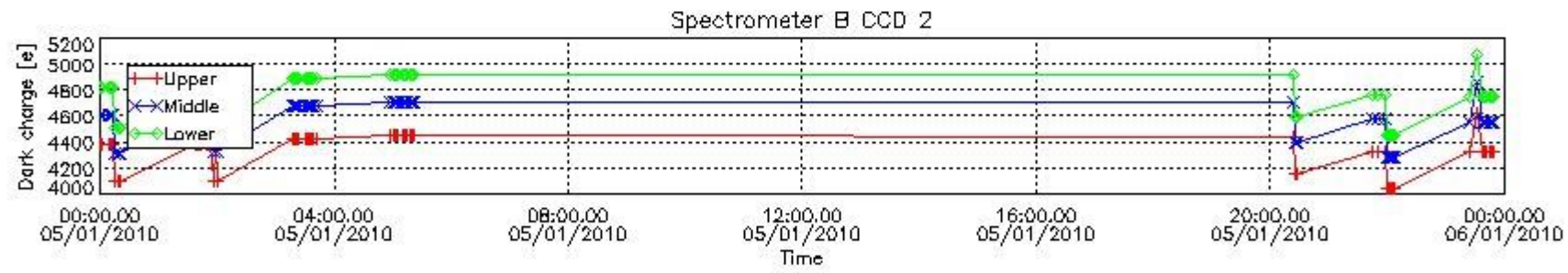
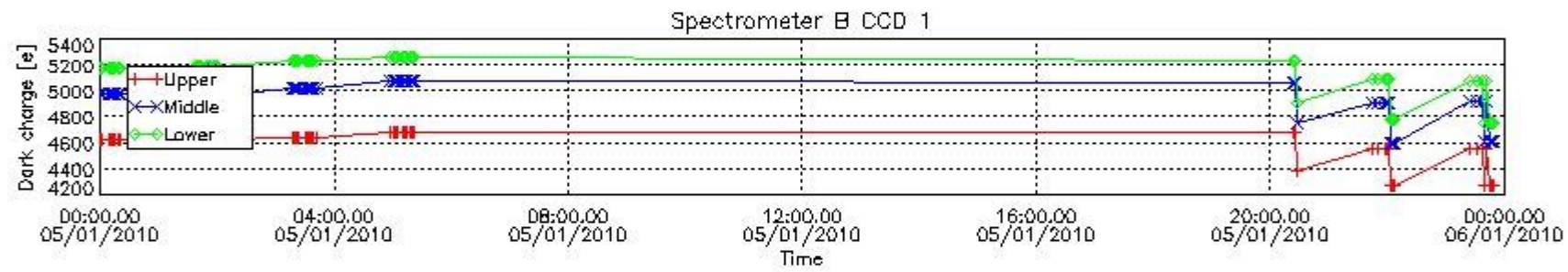
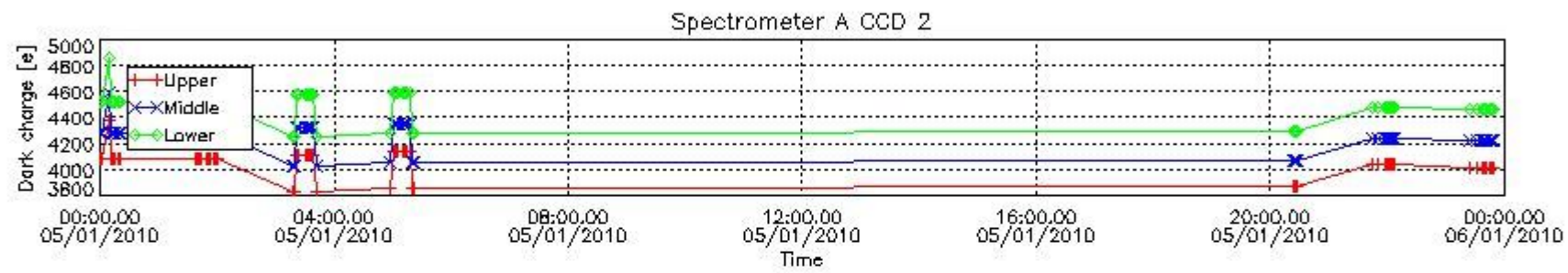
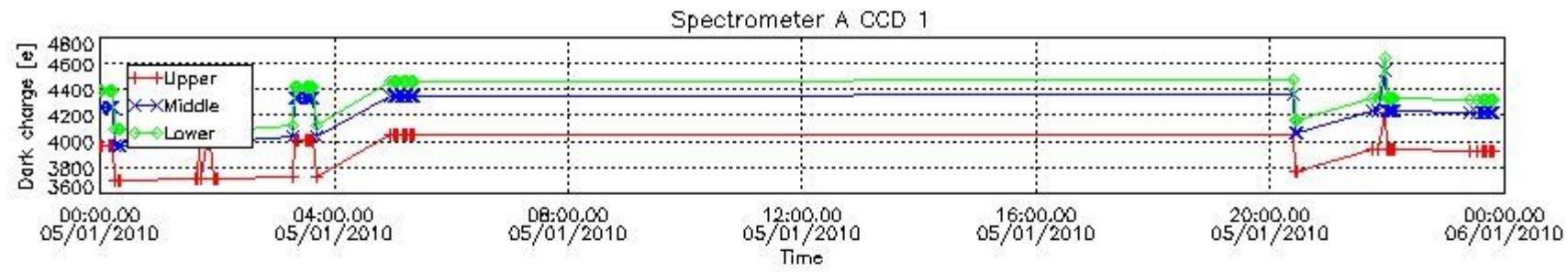
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100105_202308_000000462085_00415_41050_2764.N1	DC map used
GOM_TRA_1PNPDE20100105_202519_000000472085_00415_41050_2765.N1	DC map used
GOM_TRA_1PNPDE20100105_202714_000000452085_00415_41050_2766.N1	DC map used
GOM_TRA_1PNPDE20100105_202957_000000442085_00415_41050_2767.N1	DC map used
GOM_TRA_1PNPDE20100105_203126_000000422085_00415_41050_2768.N1	DC map used
GOM_TRA_1PNPDE20100105_203348_000000482085_00415_41050_2769.N1	DC map used
GOM_TRA_1PNPDE20100105_204109_000000502085_00415_41050_2770.N1	DC map used
GOM_TRA_1PNPDE20100105_204407_000000482085_00415_41050_2771.N1	DC map used
GOM_TRA_1PNPDE20100105_204547_000000452085_00415_41050_2772.N1	DC map used
GOM_TRA_1PNPDE20100105_204950_000000372085_00415_41050_2773.N1	DC map used
GOM_TRA_1PNPDE20100105_205204_000000392085_00415_41050_2774.N1	DC map used
GOM_TRA_1PNPDE20100105_210841_000000402085_00415_41050_2775.N1	DC map used
GOM_TRA_1PNPDE20100105_211242_000000342085_00415_41050_2776.N1	DC map used
GOM_TRA_1PNPDE20100105_211531_000000482085_00415_41050_2777.N1	DC map used
GOM_TRA_1PNPDE20100105_211952_000000632085_00415_41050_2778.N1	DC map used
GOM_TRA_1PNPDE20100105_212348_000000492085_00415_41050_2779.N1	DC map used
GOM_TRA_1PNPDE20100105_212911_000000382085_00415_41050_2780.N1	DC map used

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



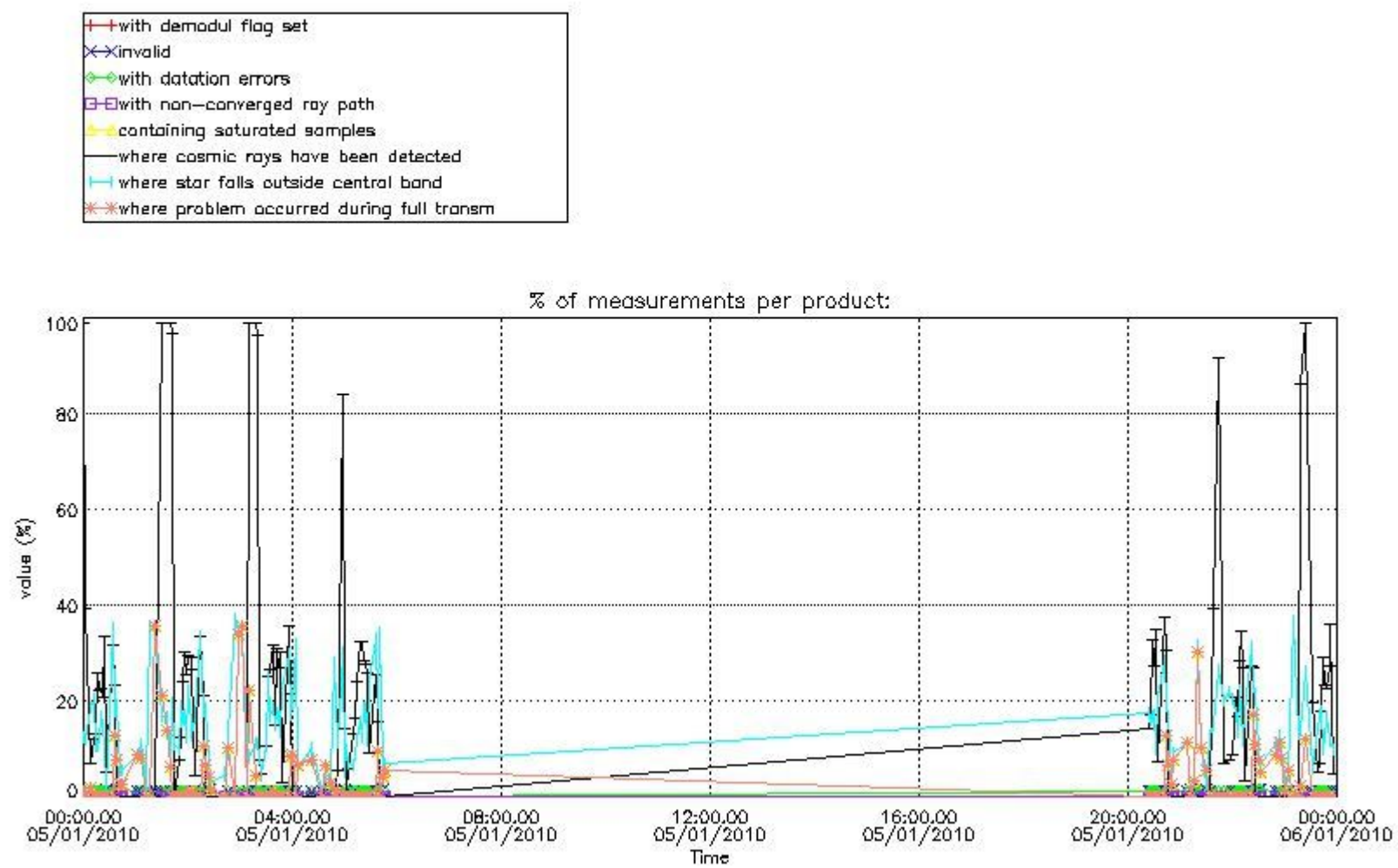
5. Demodulation flag and quality information monitoring

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.

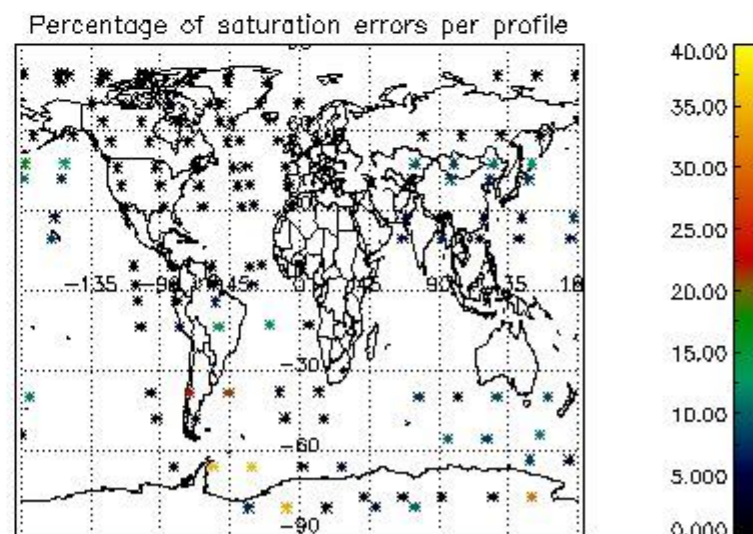
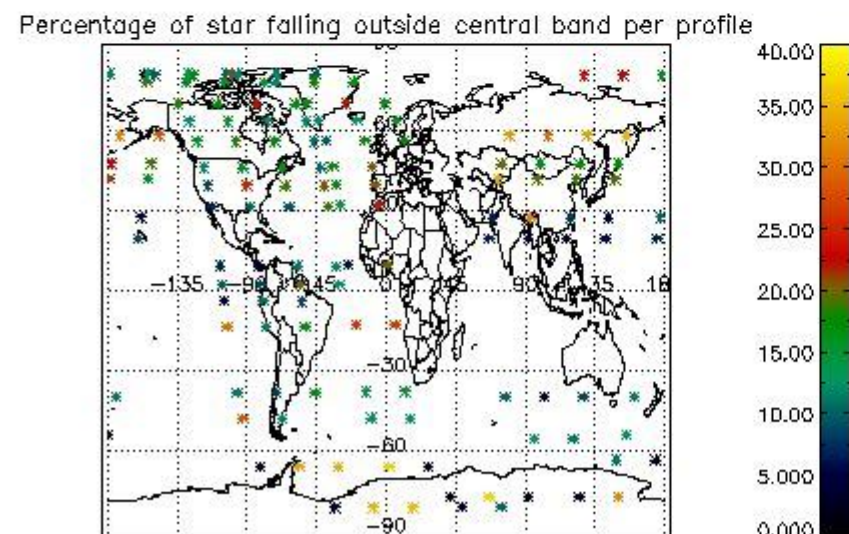
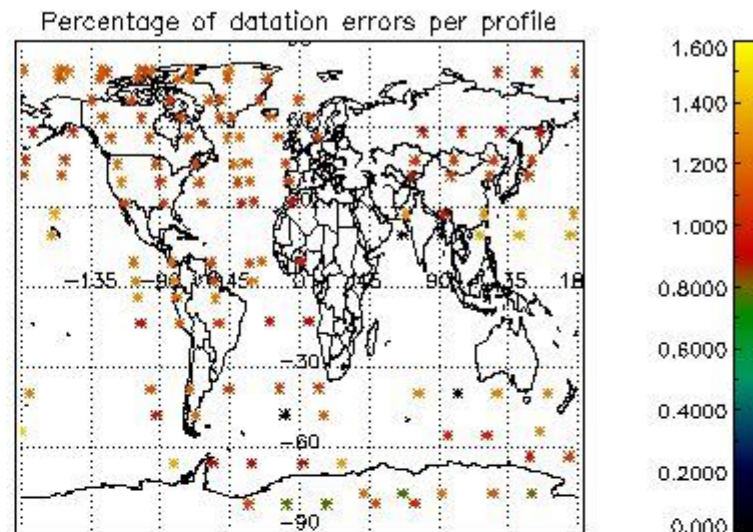
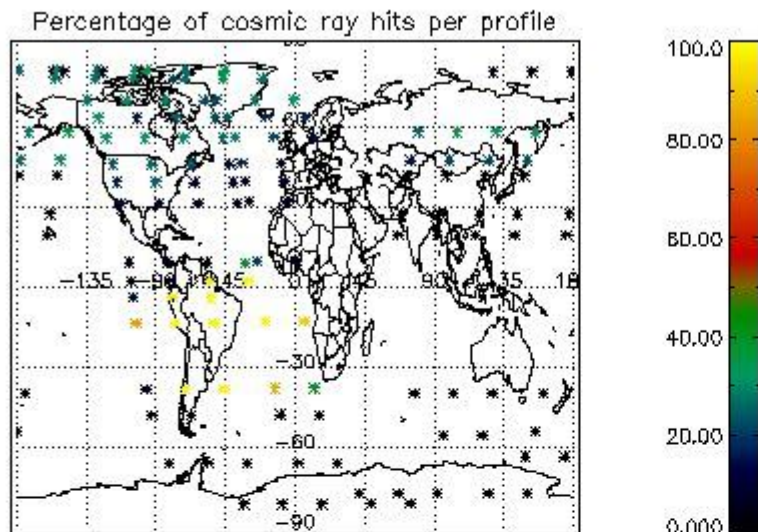
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	50.3497 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



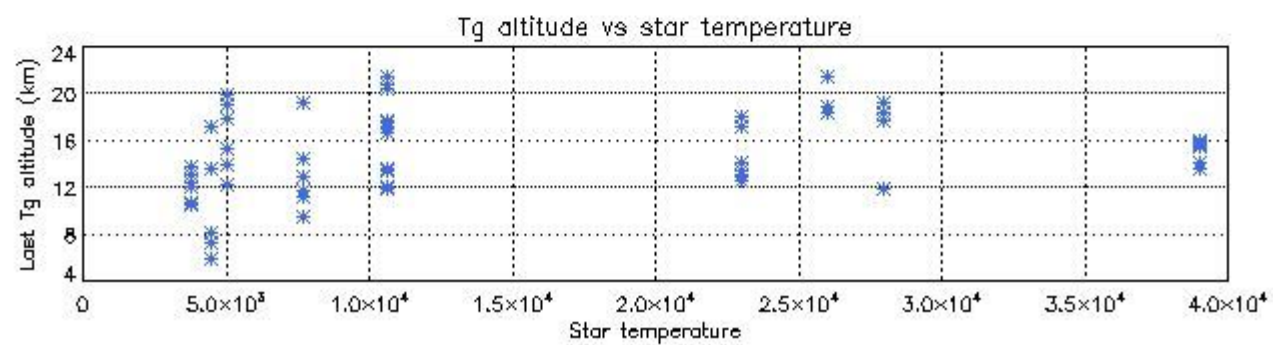
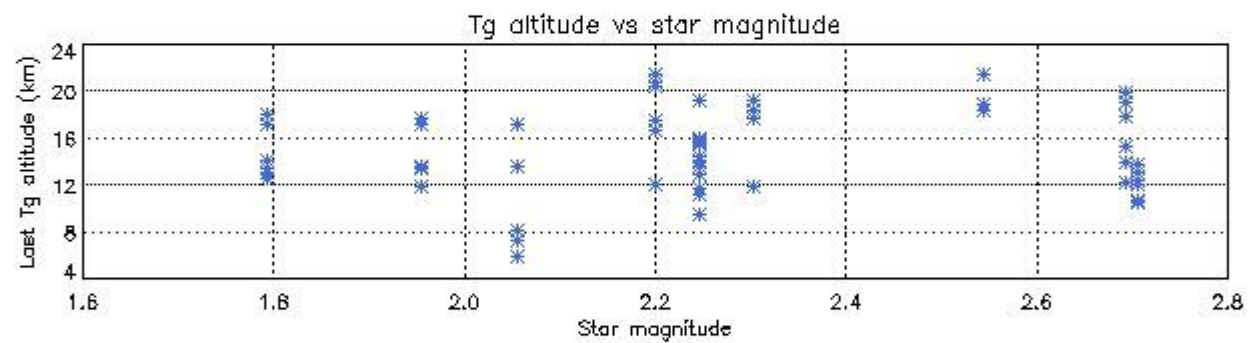
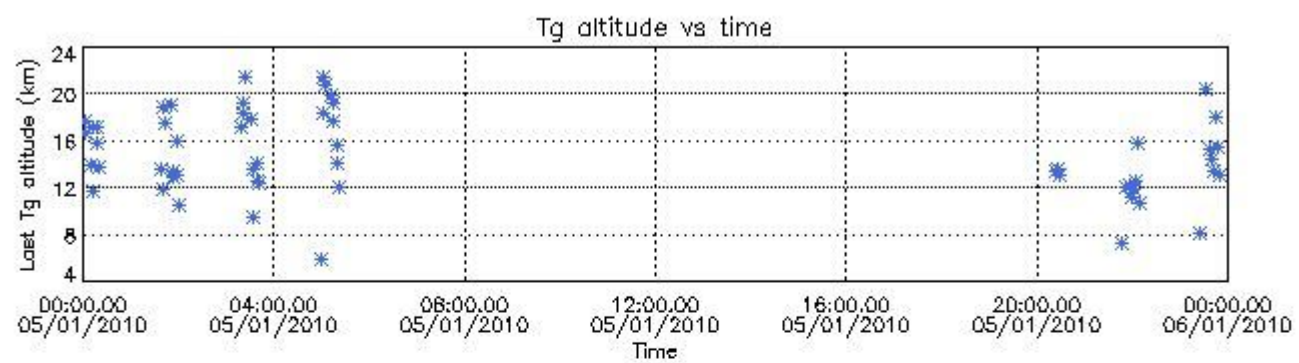
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.795	16.169	NaN
St. deviation:	3.5397	6.8053	NaN
Maximum:	21.508	27.073	NaN
Minimum:	5.8139	3.9479	NaN
Number of data:	57.000	48.000	NaN

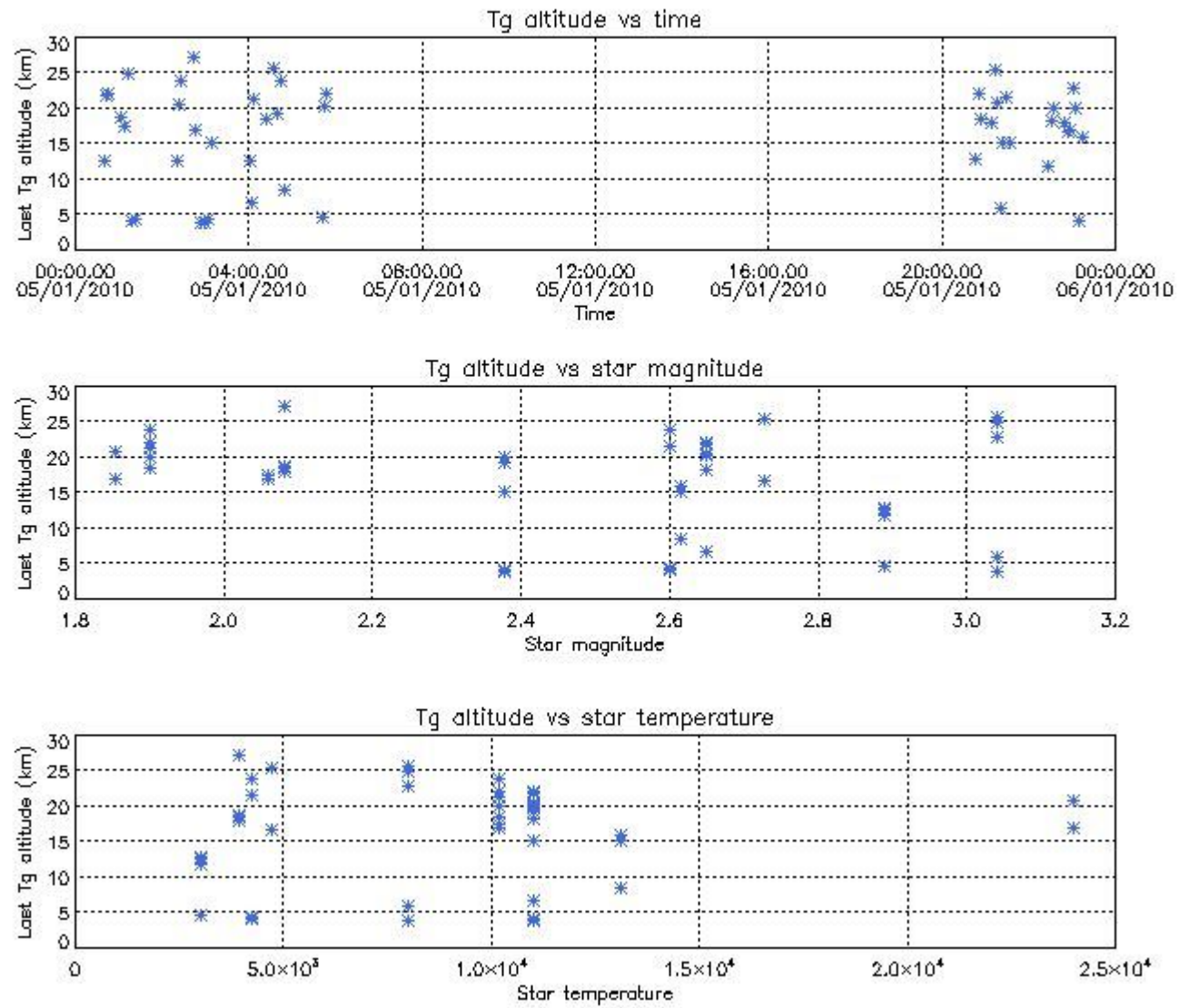
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

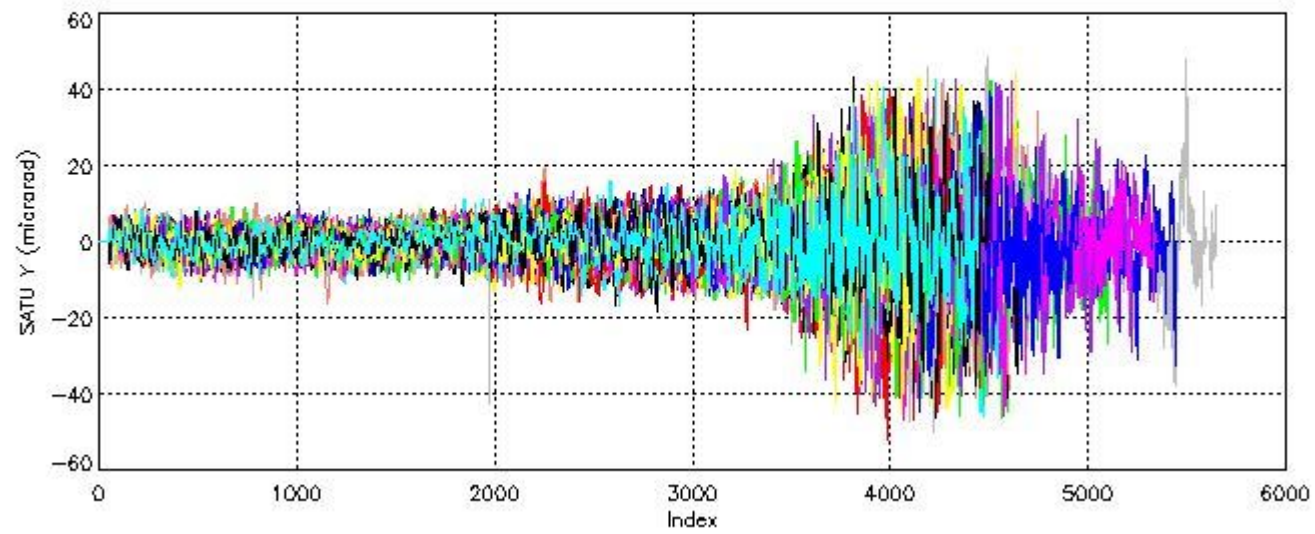
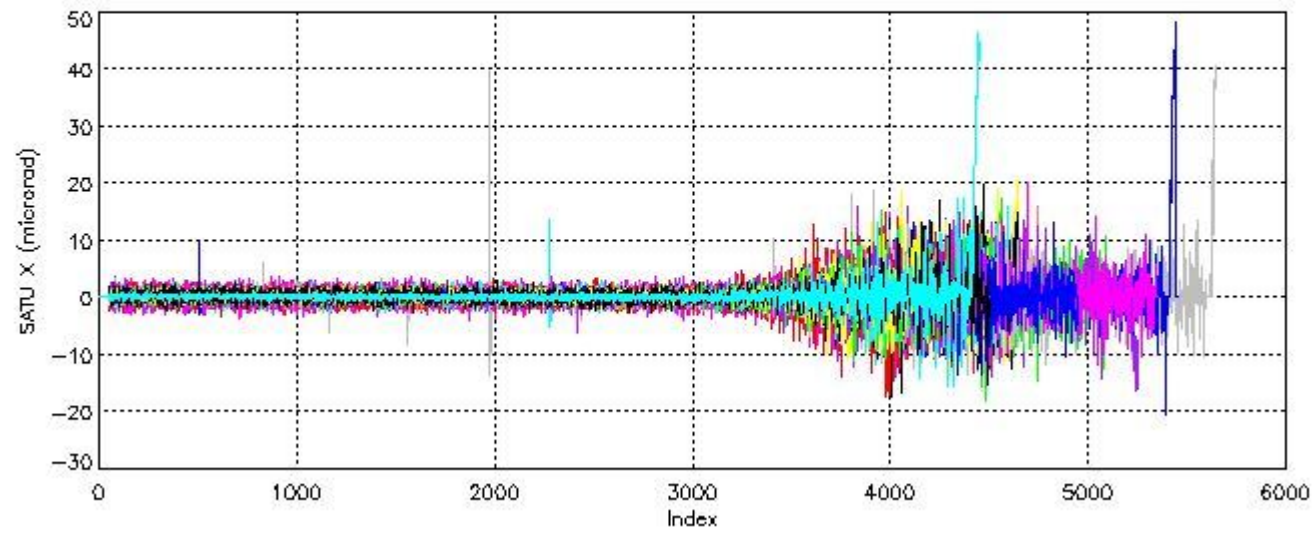


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.22327	-0.27379	0.16394	-0.24732
St. deviation:	0.59568	2.4652	0.76895	2.5936
Maximum:	9.5000	10.100	6.1000	10.400
Minimum:	-3.7000	-14.800	-5.4000	-11.700

Number of data:	55700.	55700.	45350.	45350.
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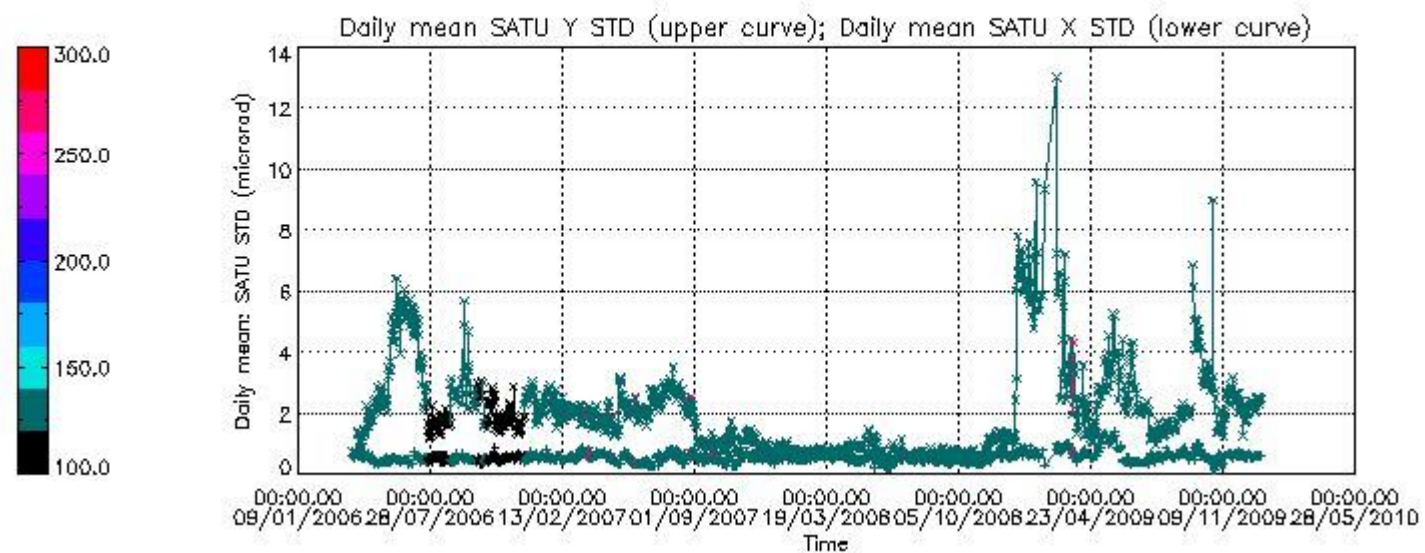
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

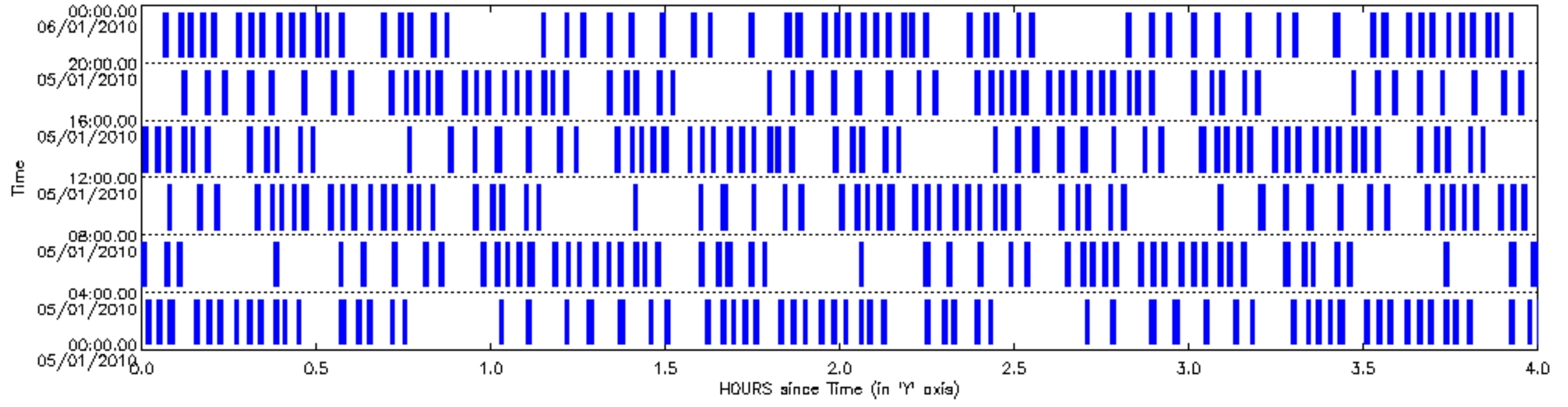
Lower curve: STD of SATU X axis

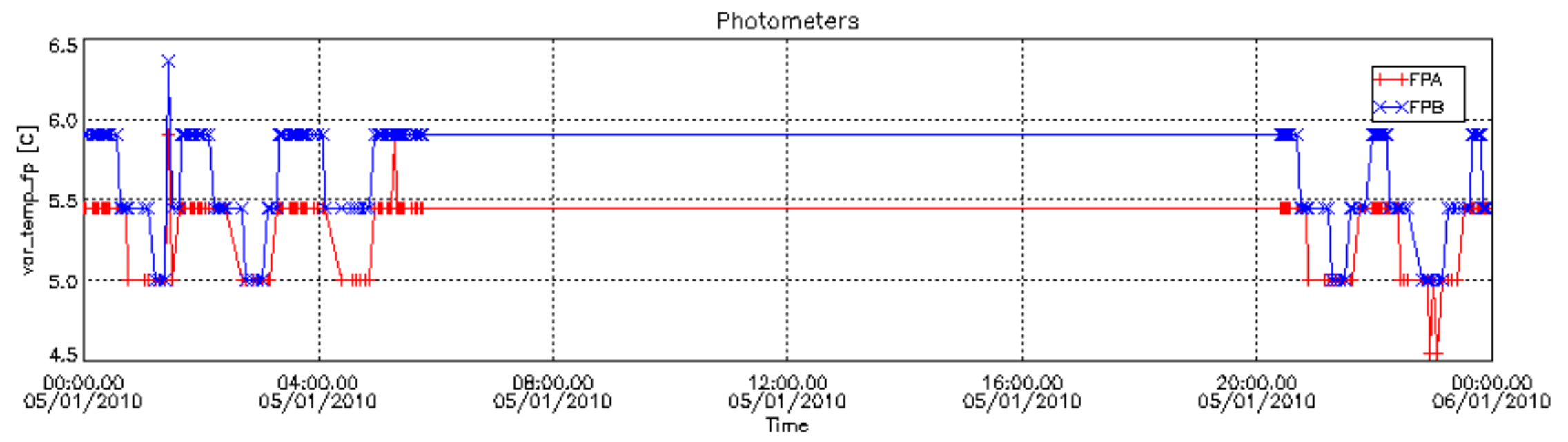
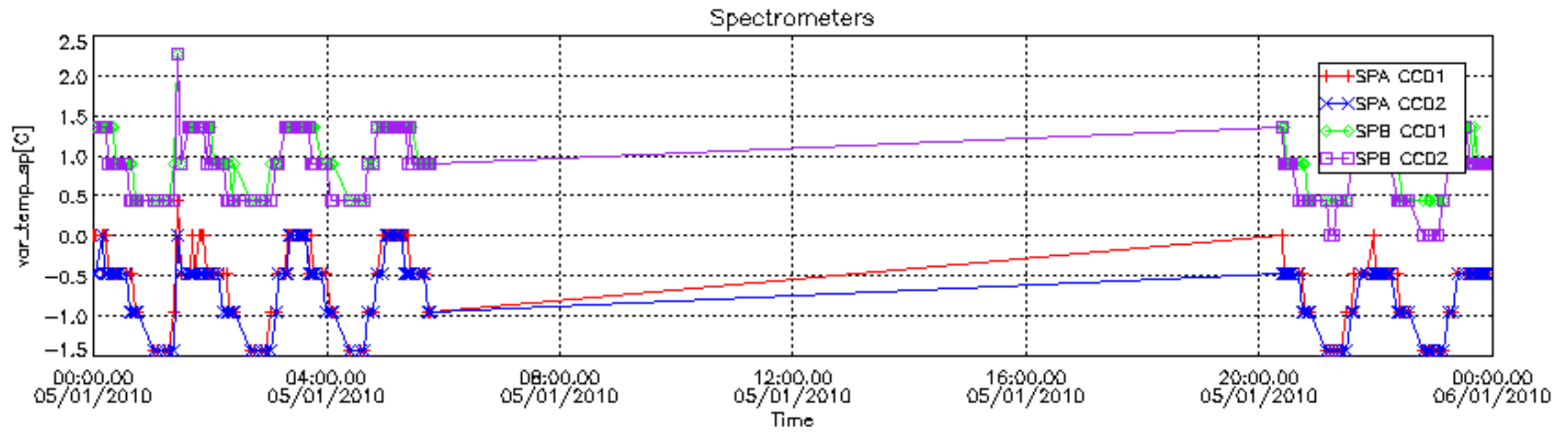


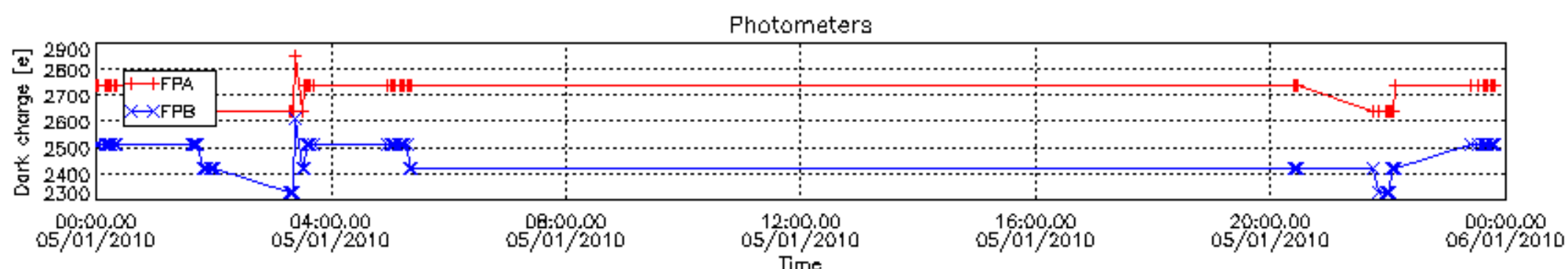
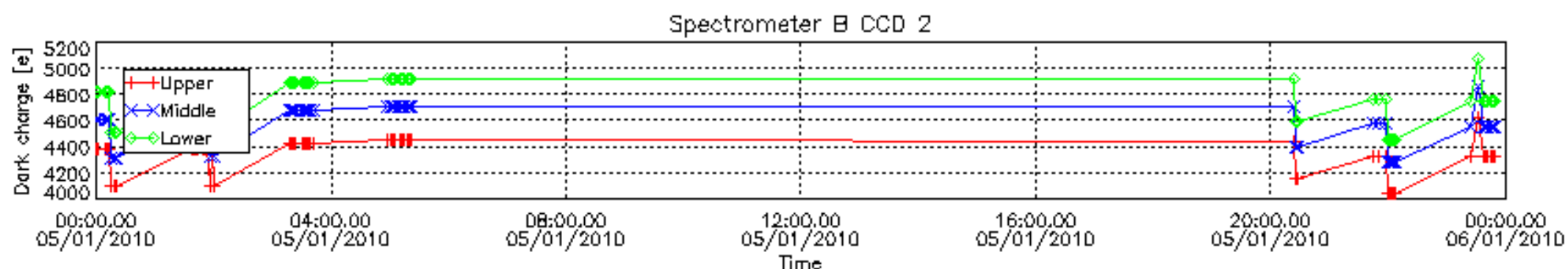
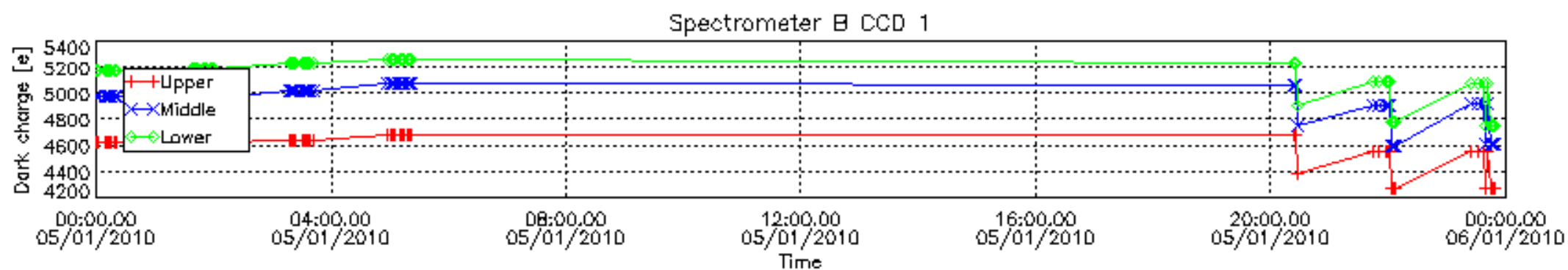
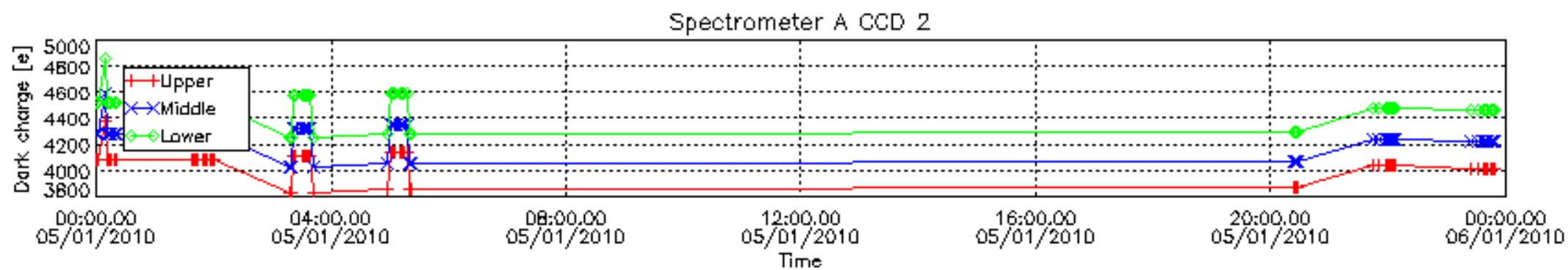
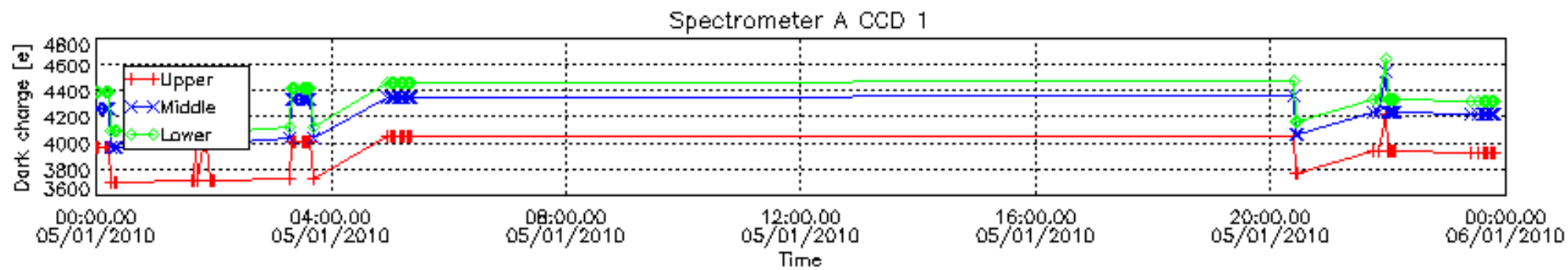
8. Auxiliary Data Files used for the production reported in section 2.4

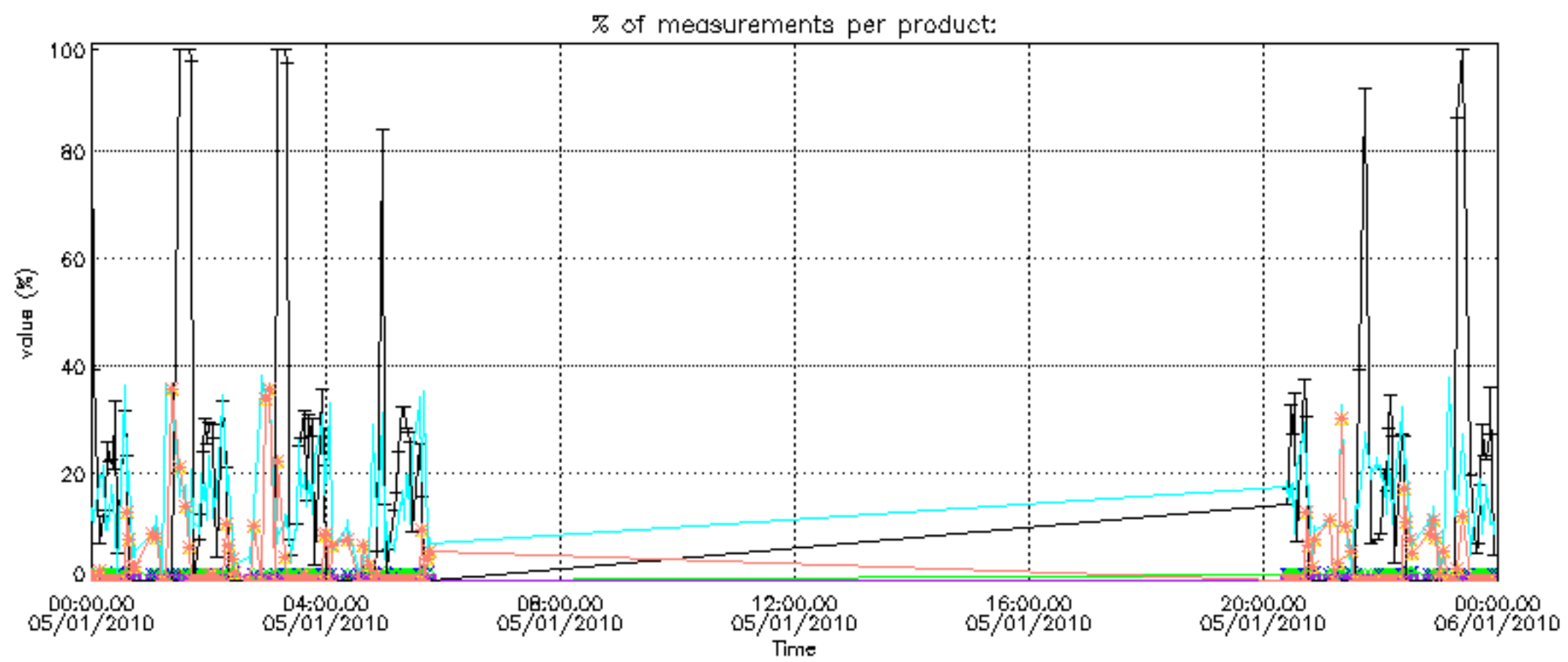
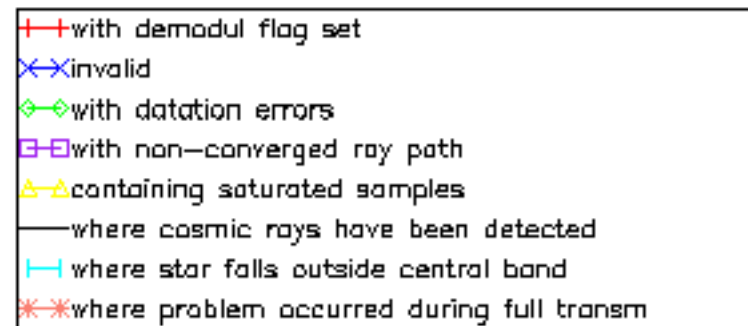
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	05-JAN-2010 00:00:41
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091229_111816_20091227_000000_20500101_000000	1	05-JAN-2010 00:00:41
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100105_102808_20100103_000000_20500101_000000	91	05-JAN-2010 20:23:08
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	05-JAN-2010 00:00:41
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	05-JAN-2010 00:00:41
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	05-JAN-2010 00:00:41
ECMWF_FILE	AUX_ECF_AXNECM20100104_062112_20100104_210000_20100105_090000	1	05-JAN-2010 00:00:41
ECMWF_FILE	AUX_ECF_AXNECM20100104_180112_20100105_030000_20100105_150000	67	05-JAN-2010 04:22:43
ECMWF_FILE	AUX_ECF_AXNECM20100105_062110_20100105_150000_20100106_030000	91	05-JAN-2010 20:23:08
ECMWF_FILE	AUX_ECF_AXNECM20100105_062111_20100105_210000_20100106_090000	108	05-JAN-2010 21:34:27
OPTIONAL_ECMWF_FILE	MISSING	1	05-JAN-2010 00:00:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100104_234520_000057382085_00402_41037_9502.N1	1	05-JAN-2010 00:00:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100105_012617_000041442085_00403_41038_9503.N1	22	05-JAN-2010 01:27:09
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100103_230113_20100103_192956_20100113_205610	43	05-JAN-2010 02:46:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100105_201759_000041442085_00415_41050_9506.N1	91	05-JAN-2010 20:23:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100105_213222_000057382085_00415_41050_9507.N1	108	05-JAN-2010 21:34:27
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100105_231319_000057382085_00416_41051_9508.N1	133	05-JAN-2010 23:17:53

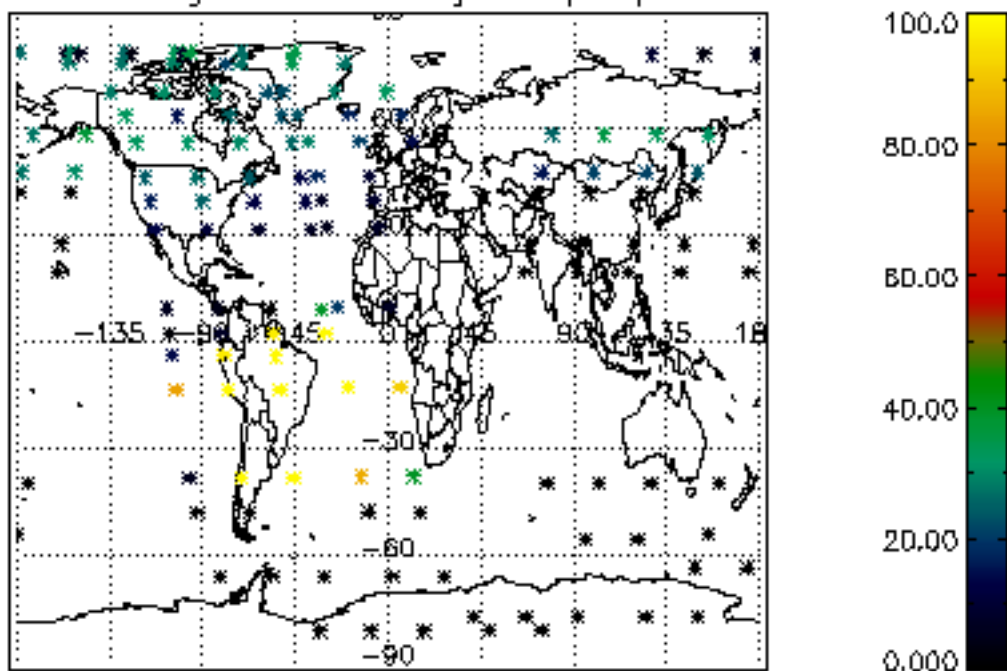




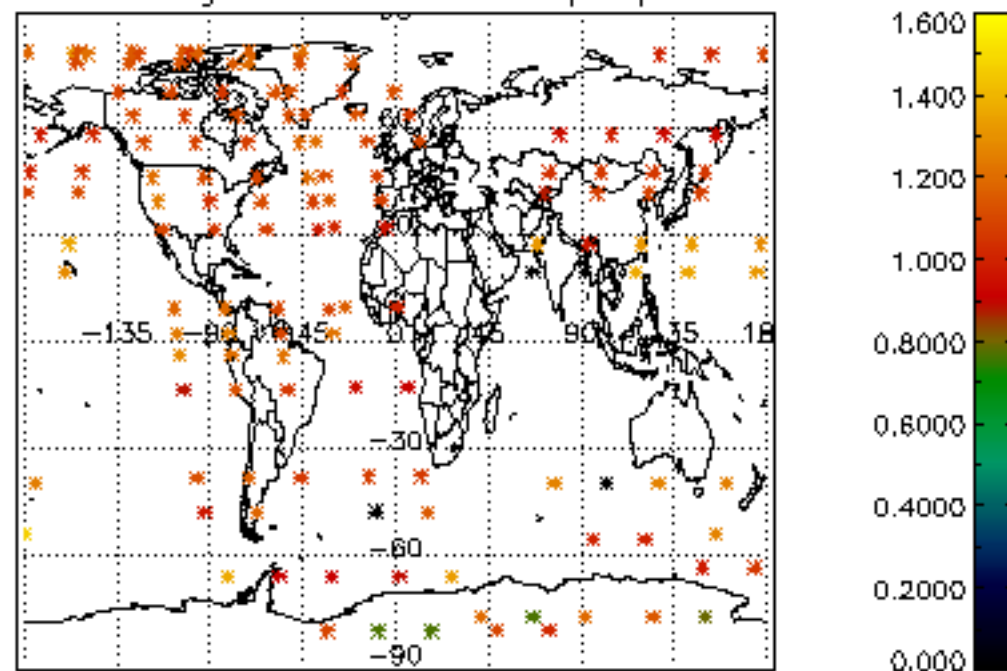




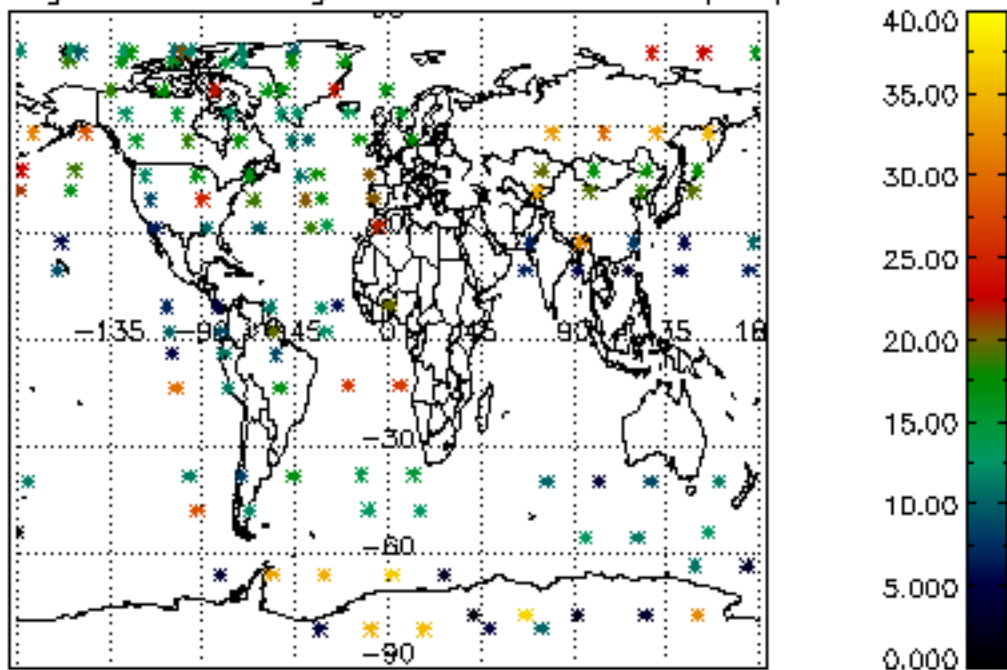
Percentage of cosmic ray hits per profile



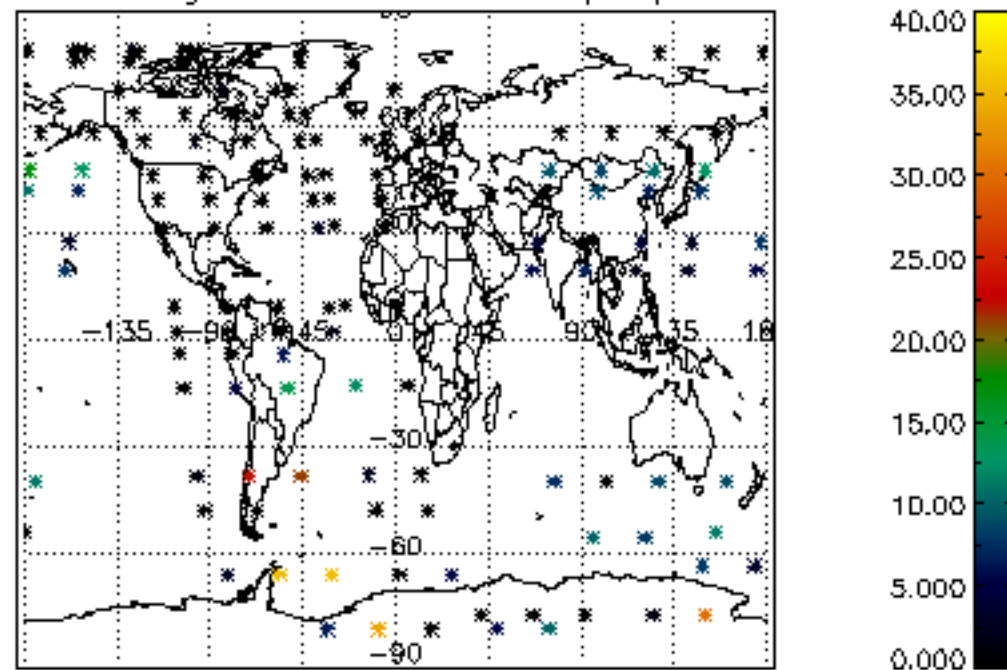
Percentage of datation errors per profile



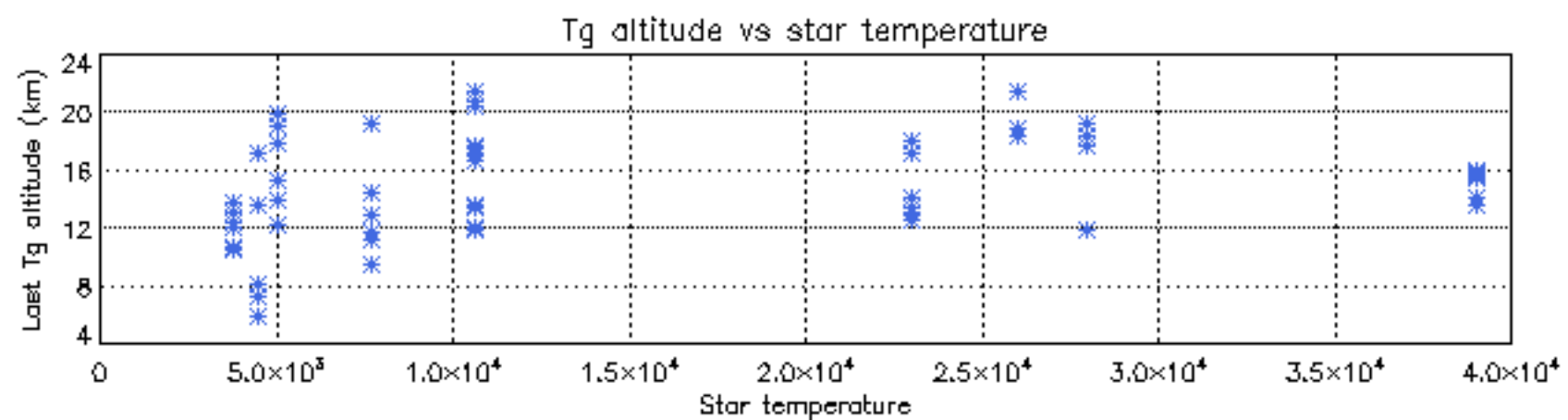
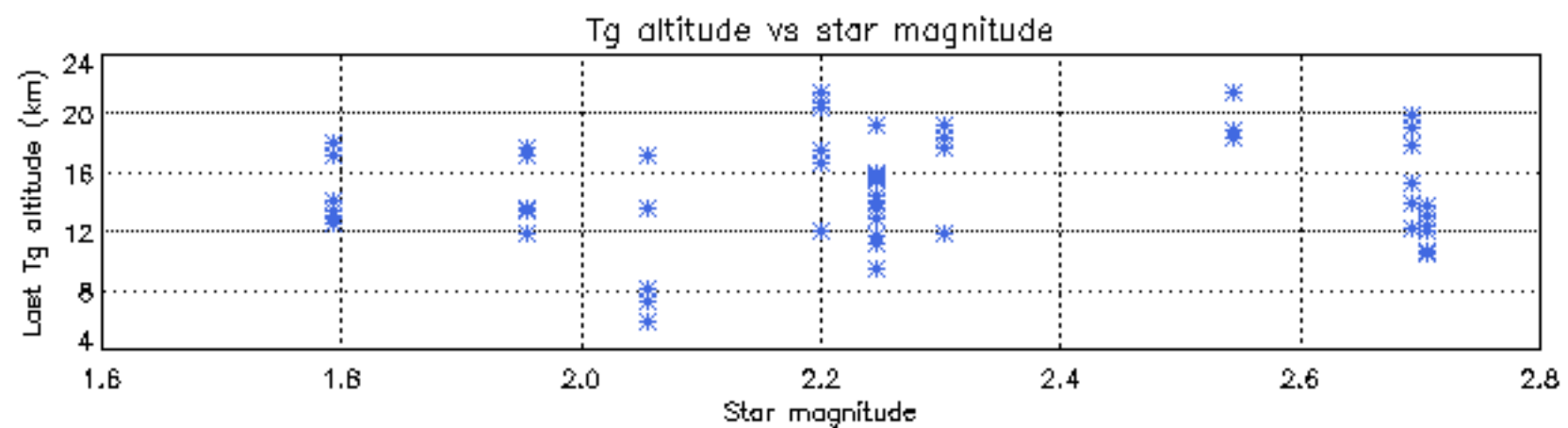
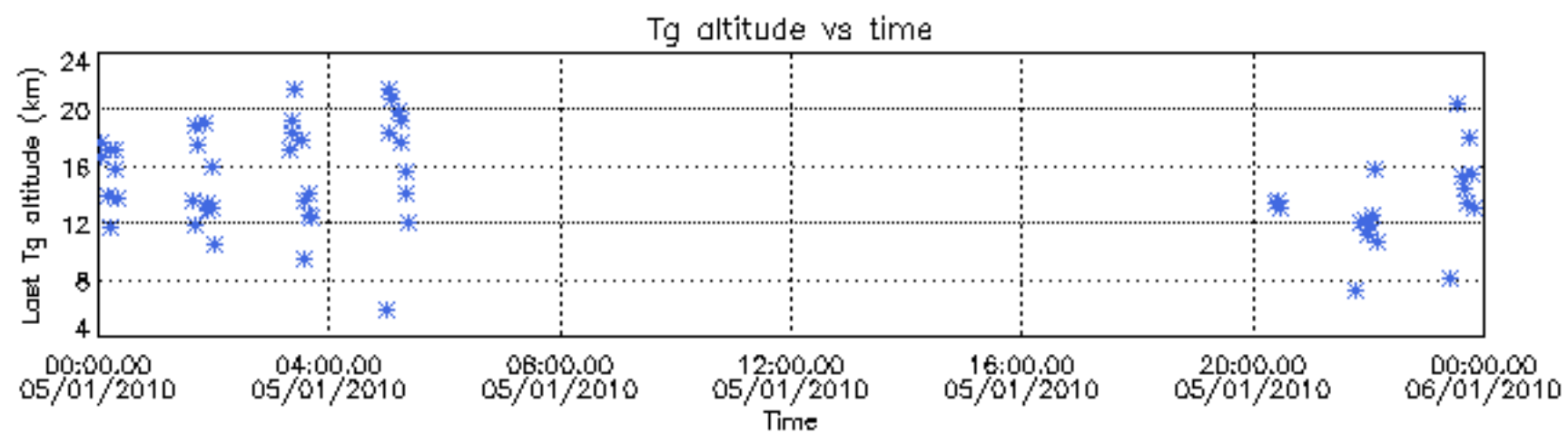
Percentage of star falling outside central band per profile



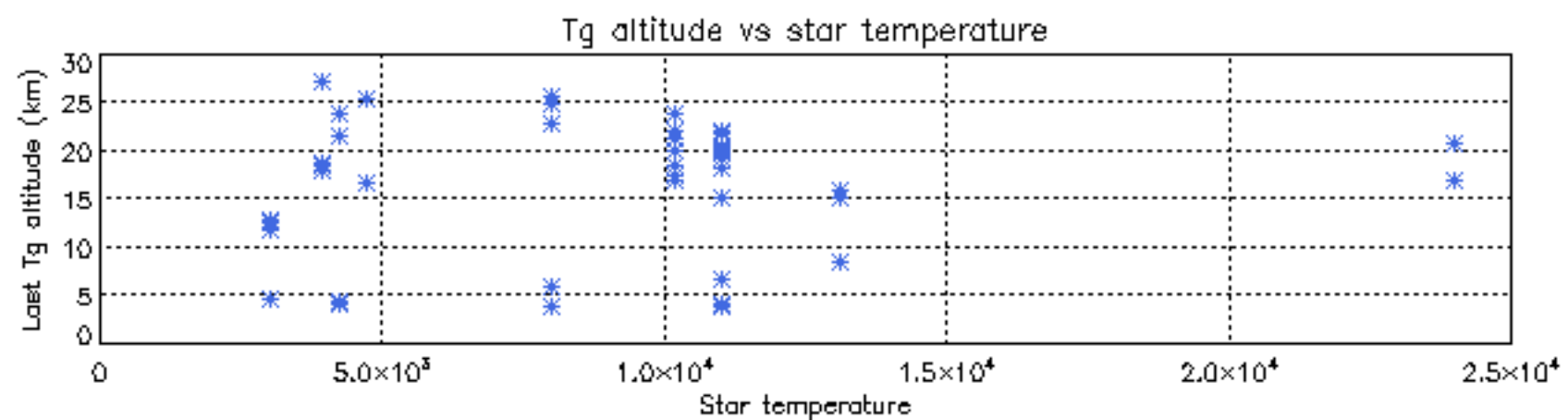
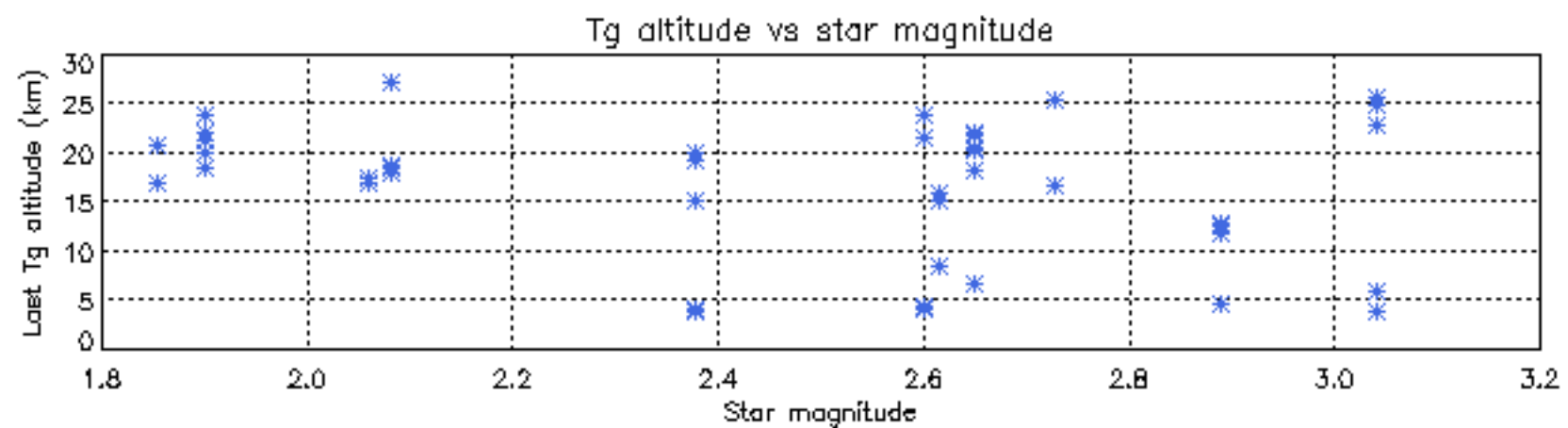
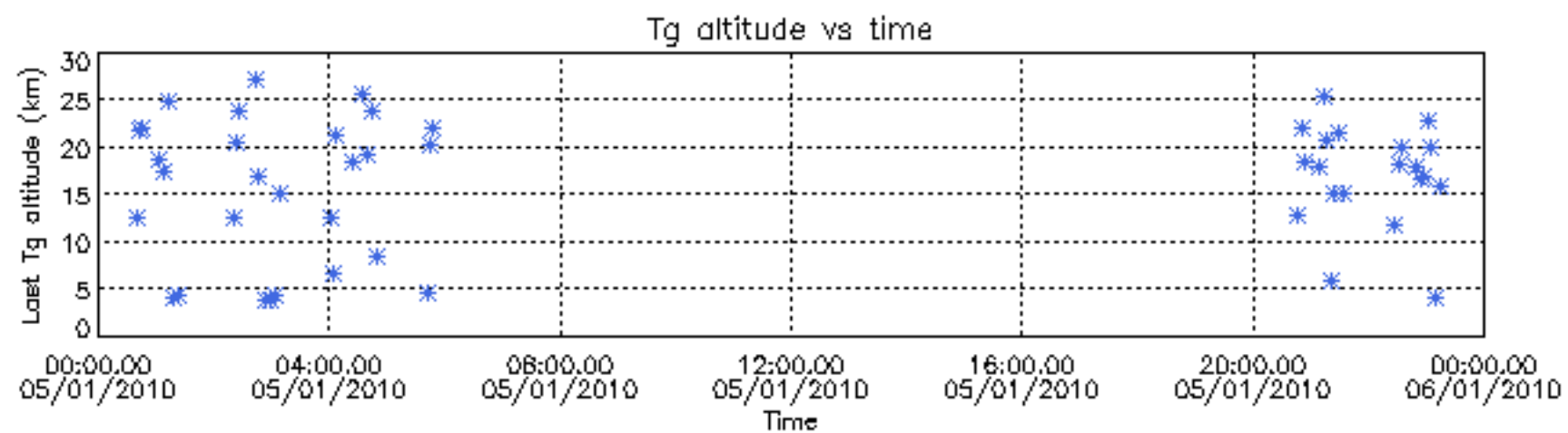
Percentage of saturation errors per profile

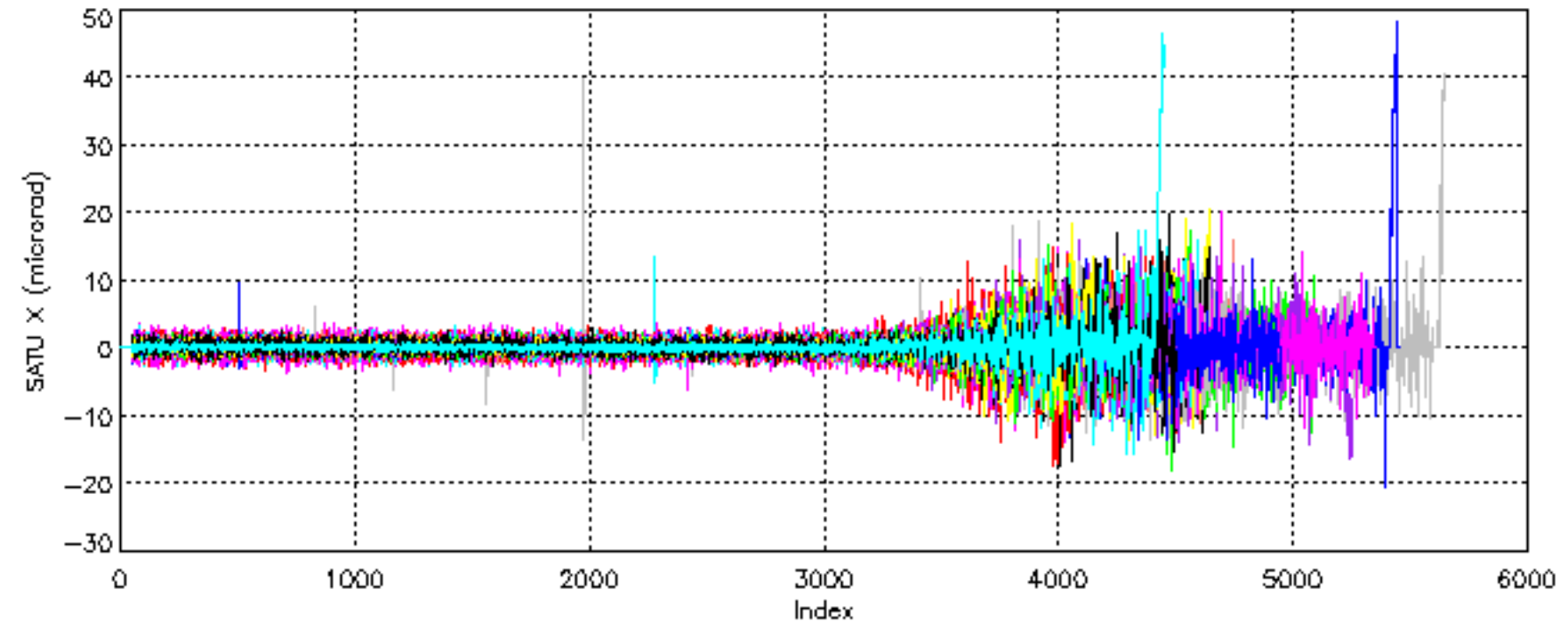


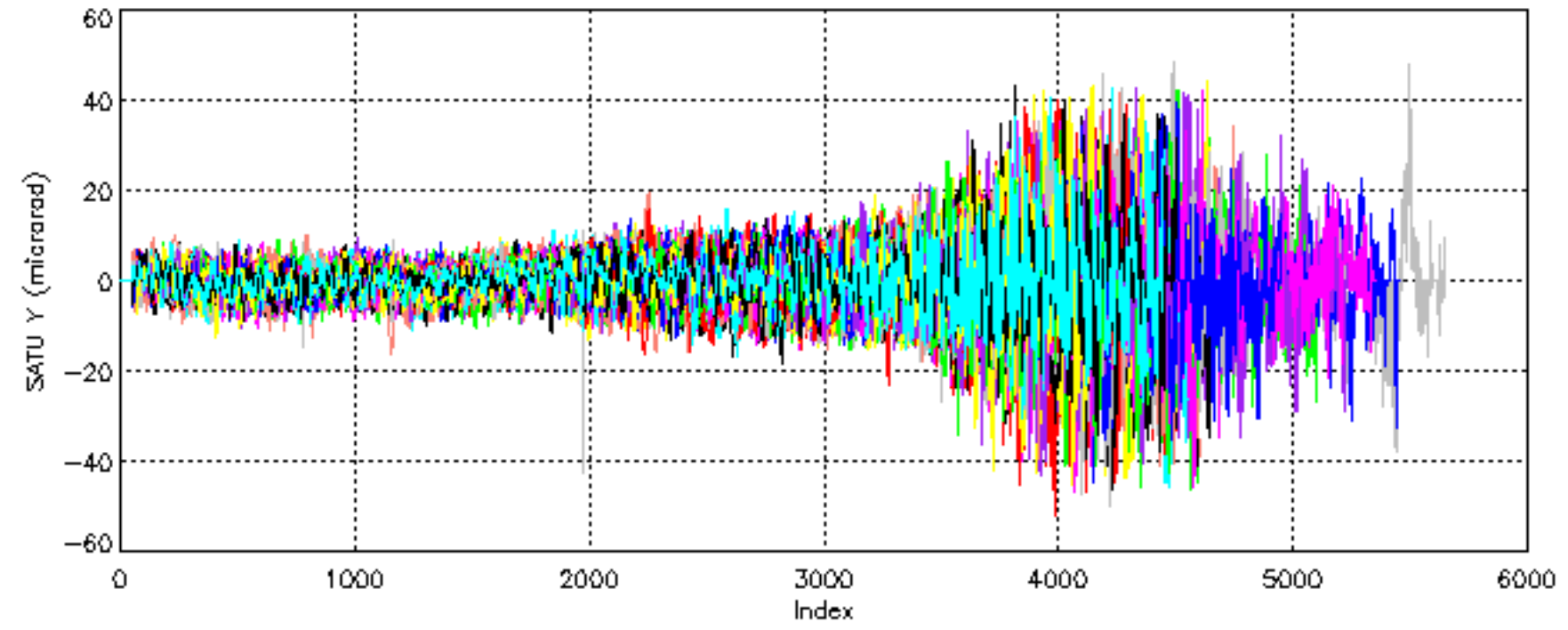
Tangent altitude at which the star is lost

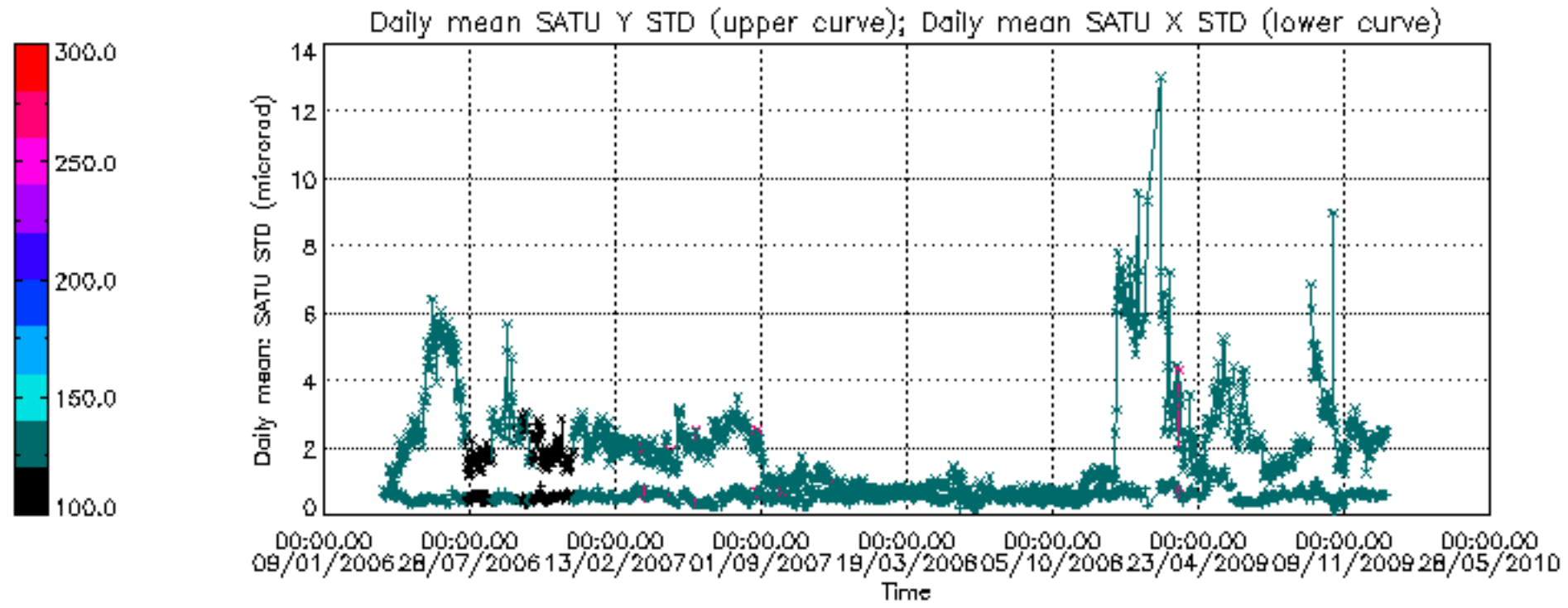


Tangent altitude at which the star is lost









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1; -682.4; 01-JAN-2010 00:14:36; Dark ; 43.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 86; 0;40980
 2; -269.4; 01-JAN-2010 00:21:29; Dark ; 44.0; 54; 5The Cen ; 2.06; 4500;occ; 88; 0;40980
 3; -103.6; 01-JAN-2010 00:24:15; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 0;40980
 4; 1.0; 01-JAN-2010 00:26:00; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;40981
 5; 106.3; 01-JAN-2010 00:27:45; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40981
 6; 209.9; 01-JAN-2010 00:29:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40981
 7; 476.2; 01-JAN-2010 00:33:55; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40981
 8; 630.5; 01-JAN-2010 00:36:29; Dark ; 49.0; 71; Iot Car ; 2.25; 7700;occ; 98; 0;40981
 9; 727.5; 01-JAN-2010 00:38:06; Dark ; 51.5; 41; Eps Car ; 1.86; 4100;occ; 103; 0;40981
 10; 916.1; 01-JAN-2010 00:41:15; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40981
 11; 1047.9; 01-JAN-2010 00:43:26; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;40981
 12; 1172.3; 01-JAN-2010 00:45:31; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;40981
 13; 1340.4; 01-JAN-2010 00:48:19; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;40981
 14; 1433.2; 01-JAN-2010 00:49:52; Dark ; 44.0; 179; 240mi2CMA ; 3.03; 24000;occ; 88; 0;40981
 15; 1581.4; 01-JAN-2010 00:52:20; Dark ; 45.0; 1; 9Alp CMA ; -1.44; 11000;occ; 90; 0;40981
 16; 1730.7; 01-JAN-2010 00:54:49; Dark ; 36.0; 56; 53Kap Ori ; 2.07; 30000;occ; 72; 0;40981
 17; 1881.4; 01-JAN-2010 00:57:20; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;40981
 18; 2032.7; 01-JAN-2010 00:59:51; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;40981
 19; 2229.2; 01-JAN-2010 01:03:08; Dark ; 53.0; 44; 24Gam Gem ; 1.93; 11000;occ; 106; 0;40981
 20; 2327.3; 01-JAN-2010 01:04:46; Bright; 44.0; 151; 13Mu Gem ; 2.89; 3000;occ; 88; 0;40981
 21; 2566.8; 01-JAN-2010 01:08:45; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;40981
 22; 2692.3; 01-JAN-2010 01:10:51; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;40981
 23; 3691.0; 01-JAN-2010 01:27:30; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;40981
 24; 3911.7; 01-JAN-2010 01:31:10; Bright; 50.5; 32; 77Eps UMa ; 1.76; 11000;occ; 101; 0;40981
 25; 4108.8; 01-JAN-2010 01:34:27; Bright; 66.0; 39; 85Eta UMa ; 1.85; 24000;occ; 132; 0;40981
 26; 4353.0; 01-JAN-2010 01:38:32; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;40981
 27; 4574.5; 01-JAN-2010 01:42:13; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;40981
 28; 4770.9; 01-JAN-2010 01:45:29; Bright; 53.5; 3; 16Alp Boo ; -0.05; 4250;occ; 107; 0;40981
 29; 5194.3; 01-JAN-2010 01:52:33; Bright; 55.5; 104; 27Bet Lib ; 2.61; 13100;occ; 111; 0;40981

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 7; 210.8; 01-JAN-2010 02:10:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40982
 8; 477.2; 01-JAN-2010 02:14:32; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;40982
 9; 631.0; 01-JAN-2010 02:17:05; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40982
 10; 745.4; 01-JAN-2010 02:19:00; Dark ; 46.0; 46; Del Vel ; 1.95; 10600;occ; 92; 0;40982
 11; 916.7; 01-JAN-2010 02:21:51; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40982
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 13; 1172.7; 01-JAN-2010 02:26:07; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;40982
 14; 1340.9; 01-JAN-2010 02:28:55; Dark ; 46.5; 23; 21Eps CMA ; 1.50; 26000;occ; 93; 0;40982
 15; 1433.4; 01-JAN-2010 02:30:28; Dark ; 45.0; 179; 240mi2CMA ; 3.03; 24000;occ; 90; 0;40982
 16; 1581.5; 01-JAN-2010 02:32:56; Dark ; 39.5; 1; 9Alp CMA ; -1.44; 11000;occ; 79; 0;40982
 17; 1731.0; 01-JAN-2010 02:35:25; Dark ; 41.5; 56; 53Kap Ori ; 2.07; 30000;occ; 83; 0;40982
 18; 1881.3; 01-JAN-2010 02:37:56; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;40982
 19; 2032.7; 01-JAN-2010 02:40:27; Dark ; 50.5; 14; 58Alp Ori ; 0.87; 3000;occ; 101; 0;40982
 20; 2228.8; 01-JAN-2010 02:43:43; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;40982
 21; 2327.1; 01-JAN-2010 02:45:22; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;40982
 22; 2566.5; 01-JAN-2010 02:49:21; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;40982
 23; 2692.2; 01-JAN-2010 02:51:27; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;40982
 24; 3690.9; 01-JAN-2010 03:08:05; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;40982

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1; -2124.7; 01-JAN-2010 03:11:46; Bright; 52.0; 32; 77Eps UMa ; 1.76; 11000;occ; 104; 0;40982
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 7; -841.1; 01-JAN-2010 03:33:09; Bright; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;40982
 8; -681.3; 01-JAN-2010 03:35:49; Dark ; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;40982
 9; -267.8; 01-JAN-2010 03:42:43; Dark ; 47.5; 54; 5The Cen ; 2.06; 4500;occ; 95; 0;40982
 10; -102.3; 01-JAN-2010 03:45:28; Dark ; 38.5; 95; Zet Cen ; 2.55; 26000;occ; 77; 0;40982
 11; 2.3; 01-JAN-2010 03:47:13; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;40983
 12; 108.1; 01-JAN-2010 03:48:59; Dark ; 46.0; 64; Gam Cen ; 2.20; 10600;occ; 92; 0;40983


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13; 211.7; 01-JAN-2010 03:50:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40983
14; 478.3; 01-JAN-2010 03:55:09; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40983
15; 631.6; 01-JAN-2010 03:57:42; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;40983
16; 746.1; 01-JAN-2010 03:59:37; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;40983
17; 917.5; 01-JAN-2010 04:02:28; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;40983
18; 1049.0; 01-JAN-2010 04:04:39; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;40983
19; 1173.4; 01-JAN-2010 04:06:44; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;40983
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21; 1433.9; 01-JAN-2010 04:11:04; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;40983
22; 1581.9; 01-JAN-2010 04:13:32; Dark ; 53.0; 1; 9Alp CMa ; -1.44; 11000;occ; 106; 0;40983
23; 1731.3; 01-JAN-2010 04:16:02; Dark ; 42.5; 56; 53Kap Ori ; 2.07; 30000;occ; 85; 0;40983
24; 1881.6; 01-JAN-2010 04:18:32; Dark ; 42.0; 30; 46Eps Ori ; 1.69; 30000;occ; 84; 0;40983
25; 2032.8; 01-JAN-2010 04:21:03; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;40983
26; 2228.6; 01-JAN-2010 04:24:19; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;40983
27; 2326.8; 01-JAN-2010 04:25:57; Bright; 49.0; 151; 13Mu Gem ; 2.89; 3000;occ; 98; 0;40983
28; 2566.6; 01-JAN-2010 04:29:57; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;40983
29; 2692.4; 01-JAN-2010 04:32:03; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;40983
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1; -2345.2; 01-JAN-2010 04:48:41; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;40983
2; -2125.3; 01-JAN-2010 04:52:21; Bright; 47.5; 32; 77Eps UMa ; 1.76; 11000;occ; 95; 0;40983
3; -1927.8; 01-JAN-2010 04:55:39; Bright; 44.5; 39; 85Eta UMa ; 1.85; 24000;occ; 89; 0;40983
4; -1682.9; 01-JAN-2010 04:59:44; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;40983
5; -1461.0; 01-JAN-2010 05:03:25; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;40983
6; -1264.0; 01-JAN-2010 05:06:42; Bright; 52.5; 3; 16Alp Boo ; -0.05; 4250;occ; 105; 0;40983
7; -1144.6; 01-JAN-2010 05:08:42; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;40983
8; -840.4; 01-JAN-2010 05:13:46; Bright; 56.0; 104; 27Bet Lib ; 2.61; 13100;occ; 112; 0;40983
9; -680.6; 01-JAN-2010 05:16:26; Dark ; 43.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 87; 0;40983
10; -267.2; 01-JAN-2010 05:23:19; Dark ; 55.0; 54; 5The Cen ; 2.06; 4500;occ; 110; 0;40983
11; -101.5; 01-JAN-2010 05:26:05; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;40983
12; 2.9; 01-JAN-2010 05:27:49; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;40984
13; 108.8; 01-JAN-2010 05:29:35; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;40984
14; 212.6; 01-JAN-2010 05:31:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40984
15; 479.0; 01-JAN-2010 05:35:45; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40984
16; 632.1; 01-JAN-2010 05:38:19; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;40984
17; 746.5; 01-JAN-2010 05:40:13; Dark ; 46.5; 46; Del Vel ; 1.95; 10600;occ; 93; 0;40984
18; 918.0; 01-JAN-2010 05:43:04; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40984
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25; 1881.8; 01-JAN-2010 05:59:08; Dark ; 42.0; 30; 46Eps Ori ; 1.69; 30000;occ; 84; 0;40984
26; 2032.5; 01-JAN-2010 06:01:39; Dark ; 51.0; 14; 58Alp Ori ; 0.87; 3000;occ; 102; 0;40984
27; 2228.5; 01-JAN-2010 06:04:55; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;40984
28; 2326.6; 01-JAN-2010 06:06:33; Bright; 49.5; 151; 13Mu Gem ; 2.89; 3000;occ; 99; 0;40984
29; 2566.2; 01-JAN-2010 06:10:33; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;40984
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16; 4106.3; 01-JAN-2010 21:41:36; Bright; 53.0; 39; 85Eta UMa ; 1.85; 24000;occ; 106; 0;40993
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7;	645.6;	02-JAN-2010	23:33:30;	Dark	;	42.0;	71;	Iot Car	;	2.25;	7700;occ;	84;	0;41009
8;	759.9;	02-JAN-2010	23:35:25;	Dark	;	44.0;	46;	Del Vel	;	1.95;	10600;occ;	88;	0;41009
9;	930.5;	02-JAN-2010	23:38:15;	Dark	;	46.5;	34;	Gam2Vel	;	1.79;	23000;occ;	93;	0;41009
10;	1061.6;	02-JAN-2010	23:40:26;	Dark	;	44.5;	70;	Zet Pup	;	2.25;	39000;occ;	89;	0;41009
11;	1182.5;	02-JAN-2010	23:42:27;	Dark	;	46.0;	117;	Pi Pup	;	2.71;	3800;occ;	92;	0;41009
12;	1348.2;	02-JAN-2010	23:45:13;	Dark	;	44.5;	23;	21Eps CMA	;	1.50;	26000;occ;	89;	0;41009
13;	1439.7;	02-JAN-2010	23:46:44;	Dark	;	44.5;	179;	240mi2CMA	;	3.03;	24000;occ;	89;	0;41009
14;	1585.0;	02-JAN-2010	23:49:10;	Dark	;	38.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	76;	0;41009
15;	2031.6;	02-JAN-2010	23:56:36;	Dark	;	47.5;	14;	58Alp Ori	;	0.87;	3000;occ;	95;	0;41009
16;	2220.3;	02-JAN-2010	23:59:45;	Dark	;	51.0;	44;	24Gam Gem	;	1.93;	11000;occ;	102;	0;41009
17;	2319.2;	03-JAN-2010	00:01:24;	Bright;	;	47.5;	151;	13Mu Gem	;	2.89;	3000;occ;	95;	0;41009
18;	2560.4;	03-JAN-2010	00:05:25;	Bright;	;	38.5;	107;	37The Aur	;	2.65;	11000;occ;	77;	0;41009
19;	2690.6;	03-JAN-2010	00:07:35;	Bright;	;	40.0;	6;	13Alp Aur	;	0.08;	3400;occ;	80;	0;41009
20;	3688.1;	03-JAN-2010	00:24:13;	Bright;	;	34.5;	60;	7Bet UMi	;	2.08;	3950;occ;	69;	0;41009
21;	3899.8;	03-JAN-2010	00:27:45;	Bright;	;	49.0;	32;	77Eps UMA	;	1.76;	11000;occ;	98;	0;41009
22;	4103.0;	03-JAN-2010	00:31:08;	Bright;	;	45.5;	39;	85Eta UMA	;	1.85;	24000;occ;	91;	0;41009
23;	4353.7;	03-JAN-2010	00:35:18;	Bright;	;	63.0;	180;	27Gam Boo	;	3.04;	8000;occ;	126;	0;41009
24;	4580.5;	03-JAN-2010	00:39:05;	Bright;	;	63.0;	83;		;	2.38;	11000;occ;	126;	0;41009
25;	4783.4;	03-JAN-2010	00:42:28;	Bright;	;	56.5;	3;	16Alp Boo	;	-0.05;	4250;occ;	113;	0;41009
26;	4899.3;	03-JAN-2010	00:44:24;	Bright;	;	54.0;	102;	24Alp Ser	;	2.60;	4250;occ;	108;	0;41009
27;	5207.8;	03-JAN-2010	00:49:33;	Bright;	;	36.0;	104;	27Bet Lib	;	2.61;	13100;occ;	72;	0;41009
28;	5371.0;	03-JAN-2010	00:52:16;	Dark	;	43.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	87;	0;41009
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1;	-2346.5;	02-JAN-2010	05:57:39;	Bright;	;	36.0;	60;	7Bet UMi	;	2.08;	3950;occ;	72;	0;40998
2;	-2131.5;	02-JAN-2010	06:01:14;	Bright;	;	44.0;	32;	77Eps UMA	;	1.76;	11000;occ;	88;	0;40998
3;	-1930.8;	02-JAN-2010	06:04:35;	Bright;	;	67.0;	39;	85Eta UMA	;	1.85;	24000;occ;	134;	0;40998
4;	-1682.5;	02-JAN-2010	06:08:43;	Bright;	;	63.0;	180;	27Gam Boo	;	3.04;	8000;occ;	126;	0;40998
5;	-1457.8;	02-JAN-2010	06:12:28;	Bright;	;	43.0;	83;		;	2.38;	11000;occ;	86;	0;40998
6;	-1257.3;	02-JAN-2010	06:15:48;	Bright;	;	55.0;	3;	16Alp Boo	;	-0.05;	4250;occ;	110;	0;40998
7;	-1139.7;	02-JAN-2010	06:17:46;	Bright;	;	49.0;	102;	24Alp Ser	;	2.60;	4250;occ;	98;	0;40998
8;	-833.4;	02-JAN-2010	06:22:52;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;occ;	112;	0;40998
9;	-671.7;	02-JAN-2010	06:25:34;	Dark	;	45.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	90;	0;40998
10;	-256.0;	02-JAN-2010	06:32:29;	Dark	;	50.5;	54;	5The Cen	;	2.06;	4500;occ;	101;	0;40998
11;	-92.2;	02-JAN-2010	06:35:13;	Dark	;	40.0;	95;	Zet Cen	;	2.55;	26000;occ;	80;	0;40998
12;	11.6;	02-JAN-2010	06:36:57;	Dark	;	39.5;	77;	Eps Cen	;	2.30;	28000;occ;	79;	0;40999
13;	121.1;	02-JAN-2010	06:38:47;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;occ;	89;	0;40999
14;	226.5;	02-JAN-2010	06:40:32;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;40999
15;	492.5;	02-JAN-2010	06:44:58;	Dark	;	46.5;	113;	Mu Vel	;	2.69;	5000;occ;	93;	0;40999
16;	640.3;	02-JAN-2010	06:47:26;	Dark	;	40.0;	71;	Iot Car	;	2.25;	7700;occ;	80;	0;40999
17;	754.7;	02-JAN-2010	06:49:20;	Dark	;	45.5;	46;	Del Vel	;	1.95;	10600;occ;	91;	0;40999
18;	925.4;	02-JAN-2010	06:52:11;	Dark	;	44.0;	34;	Gam2Vel	;	1.79;	23000;occ;	88;	0;40999
19;	1056.9;	02-JAN-2010	06:54:22;	Dark	;	45.5;	70;	Zet Pup	;	2.25;	39000;occ;	91;	0;40999
20;	1179.1;	02-JAN-2010	06:56:25;	Dark	;	46.5;	117;	Pi Pup	;	2.71;	3800;occ;	93;	0;40999
21;	1345.5;	02-JAN-2010	06:59:11;	Dark	;	47.5;	23;	21Eps CMA	;	1.50;	26000;occ;	95;	0;40999
22;	1437.4;	02-JAN-2010	07:00:43;	Dark	;	44.0;	179;	240mi2CMA	;	3.03;	24000;occ;	88;	0;40999
23;	1583.8;	02-JAN-2010	07:03:09;	Dark	;	50.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	100;	0;40999
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1;	1732.9;	02-JAN-2010	07:05:38;	Dark	;	42.5;	56;	53Kap Ori	;	2.07;	30000;occ;	85;	0;40999
2;	1868.8;	02-JAN-2010	07:07:54;	Dark	;	41.5;	33;	50Zet Ori	;	1.77;	30000;occ;	83;	0;40999
3;	2031.9;	02-JAN-2010	07:10:37;	Dark	;	49.0;	14;	58Alp Ori	;	0.87;	3000;occ;	98;	0;40999
4;	2223.4;	02-JAN-2010	07:13:49;	Dark	;	45.5;	44;	24Gam Gem	;	1.93;	11000;occ;	91;	0;40999
5;	2322.2;	02-JAN-2010	07:15:28;	Bright;	;	47.5;	151;	13Mu Gem	;	2.89;	3000;occ;	95;	0;40999
6;	2562.7;	02-JAN-2010	07:19:28;	Bright;	;	38.5;	107;	37The Aur	;	2.65;	11000;occ;	77;	0;40999
7;	2691.3;	02-JAN-2010	07:21:37;	Bright;	;	42.0;	6;	13Alp Aur	;	0.08;	3400;occ;	84;	0;40999
8;	3689.3;	02-JAN-2010	07:38:15;	Bright;	;	39.0;	60;	7Bet UMi	;	2.08;	3950;occ;	78;	0;40999
9;	3904.1;	02-JAN-2010	07:41:50;	Bright;	;	46.5;	32;	77Eps UMA	;	1.76;	11000;occ;	93;	0;40999
10;	4105.2;	02-JAN-2010	07:45:11;	Bright;	;	44.0;	39;	85Eta UMA	;	1.85;	24000;occ;	88;	0;40999
11;	4353.5;	02-JAN-2010	07:49:19;	Bright;	;	43.0;	180;	27Gam Boo	;	3.04;	8000;occ;	86;	0;40999
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13;	4779.1;	02-JAN-2010	07:56:25;	Bright;	;	55.0;	3;	16Alp Boo	;	-0.05;	4250;occ;	110;	0;40999
14;	4896.4;	02-JAN-2010	07:58:22;	Bright;	;	36.0;	102;	24Alp Ser	;	2.60;	4250;occ;	72;	0;40999
15;	5202.8;	02-JAN-2010	08:03:28;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;occ;	112;	0;40999
16;	5365.1;	02-JAN-2010	08:06:11;	Dark	;	43.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	87;	0;40999
17;	5780.6;	02-JAN-2010	08:13:06;	Dark	;	46.0;	54;	5The Cen	;	2.06;	4500;occ;	92;	0;40999
18;	5944.4;	02-JAN-2010	08:15:50;	Dark	;	40.5;	95;	Zet Cen	;	2.55;	26000;occ;	81;	0;40999
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 23; 6676.8; 02-JAN-2010 08:28:02; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40999
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 27; 7215.4; 02-JAN-2010 08:37:01; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;40999
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 3; 2032.0; 02-JAN-2010 08:51:13; Dark ; 52.5; 14; 58Alp Ori ; 0.87; 3000;occ; 105; 0;41000
 4; 2223.1; 02-JAN-2010 08:54:24; Dark ; 41.0; 44; 24Gam Gem ; 1.93; 11000;occ; 82; 0;41000
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 11; 4104.4; 02-JAN-2010 11:06:22; Bright; 45.0; 39; 85Eta UMa ; 1.85; 24000;occ; 90; 0;41001
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 23; 6677.5; 02-JAN-2010 11:49:15; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;41001
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 26; 7094.3; 02-JAN-2010 11:56:12; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;41001


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 3; 1868.7; 02-JAN-2010 12:09:42; Dark ; 42.5; 33; 50Zet Ori ; 1.77; 30000;occ; 85; 0;41002
 4; 2031.6; 02-JAN-2010 12:12:25; Dark ; 52.5; 14; 58Alp Ori ; 0.87; 3000;occ; 105; 0;41002
 5; 2222.3; 02-JAN-2010 12:15:35; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;41002
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26; 7389.4; 04-JAN-2010 10:57:53; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;41029
27; 7480.0; 04-JAN-2010 10:59:23; Dark ; 43.5; 179; 240mi2CMa ; 3.03; 24000;occ; 87; 0;41029
28; 7623.3; 04-JAN-2010 11:01:47; Dark ; 17.0; 1; 9Alp CMa ; -1.44; 11000;occ; 34; 0;41029

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2; 2031.1; 04-JAN-2010 11:09:10; Dark ; 49.5; 14; 58Alp Ori ; 0.87; 3000;occ; 99; 0;41030
3; 2214.6; 04-JAN-2010 11:12:14; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;41030
4; 2313.9; 04-JAN-2010 11:13:53; Bright; 45.5; 151; 13Mu Gem ; 2.89; 3000;occ; 91; 0;41030
5; 2556.2; 04-JAN-2010 11:17:55; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;41030
6; 2689.8; 04-JAN-2010 11:20:09; Bright; 55.0; 42; 34Bet Aur ; 1.90; 10200;occ; 110; 0;41030
7; 3685.8; 04-JAN-2010 11:36:45; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;41030
8; 3955.1; 04-JAN-2010 11:41:14; Bright; 44.5; 55; 79Zet UMa ; 2.06; 10200;occ; 89; 0;41030
9; 4354.6; 04-JAN-2010 11:47:54; Bright; 64.0; 180; 27Gam Boo ; 3.04; 8000;occ; 128; 0;41030
10; 4585.2; 04-JAN-2010 11:51:44; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;41030
11; 4906.1; 04-JAN-2010 11:57:05; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41030
12; 5218.5; 04-JAN-2010 12:02:18; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;41030
13; 5385.0; 04-JAN-2010 12:05:04; Dark ; 44.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 88; 0;41030
14; 5804.2; 04-JAN-2010 12:12:03; Dark ; 44.0; 54; 5The Cen ; 2.06; 4500;occ; 88; 0;41030
15; 5964.4; 04-JAN-2010 12:14:44; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;41030
16; 6066.3; 04-JAN-2010 12:16:25; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41030
17; 6183.8; 04-JAN-2010 12:18:23; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41030
18; 6292.3; 04-JAN-2010 12:20:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41030
19; 6556.3; 04-JAN-2010 12:24:35; Dark ; 49.5; 113; Mu Vel ; 2.69; 5000;occ; 99; 0;41030
20; 6692.9; 04-JAN-2010 12:26:52; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41030
21; 6807.3; 04-JAN-2010 12:28:47; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41030
22; 6977.2; 04-JAN-2010 12:31:36; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;41030
23; 7108.3; 04-JAN-2010 12:33:48; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;41030
24; 7225.8; 04-JAN-2010 12:35:45; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;41030
25; 7389.9; 04-JAN-2010 12:38:29; Dark ; 45.0; 23; 21Eps CMa ; 1.50; 26000;occ; 90; 0;41030
26; 7480.1; 04-JAN-2010 12:39:59; Dark ; 43.0; 179; 240mi2CMa ; 3.03; 24000;occ; 86; 0;41030

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1; 1587.7; 04-JAN-2010 12:42:23; Dark ; 52.0; 1; 9Alp CMa ; -1.44; 11000;occ; 104; 0;41031
2; 2031.0; 04-JAN-2010 12:49:46; Dark ; 47.5; 14; 58Alp Ori ; 0.87; 3000;occ; 95; 0;41031
3; 2214.3; 04-JAN-2010 12:52:49; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;41031
4; 2313.6; 04-JAN-2010 12:54:29; Bright; 48.0; 151; 13Mu Gem ; 2.89; 3000;occ; 96; 0;41031
5; 2556.0; 04-JAN-2010 12:58:31; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;41031
6; 2689.4; 04-JAN-2010 13:00:44; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;41031
7; 3685.5; 04-JAN-2010 13:17:21; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;41031
8; 3954.8; 04-JAN-2010 13:21:50; Bright; 47.0; 55; 79Zet UMa ; 2.06; 10200;occ; 94; 0;41031
9; 4354.7; 04-JAN-2010 13:28:30; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;41031
10; 4585.4; 04-JAN-2010 13:32:20; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;41031
11; 4906.7; 04-JAN-2010 13:37:42; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;41031
12; 5218.8; 04-JAN-2010 13:42:54; Bright; 44.0; 104; 27Bet Lib ; 2.61; 13100;occ; 88; 0;41031
13; 5385.6; 04-JAN-2010 13:45:41; Dark ; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;41031
14; 5805.2; 04-JAN-2010 13:52:40; Dark ; 56.0; 54; 5The Cen ; 2.06; 4500;occ; 112; 0;41031
15; 5965.1; 04-JAN-2010 13:55:20; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;41031
16; 6066.9; 04-JAN-2010 13:57:02; Dark ; 38.5; 77; Eps Cen ; 2.30; 28000;occ; 77; 0;41031

17; 6184.6; 04-JAN-2010 13:59:00; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41031
 18; 6293.3; 04-JAN-2010 14:00:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41031
 19; 6557.2; 04-JAN-2010 14:05:12; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;41031
 20; 6693.5; 04-JAN-2010 14:07:29; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41031
 21; 6807.8; 04-JAN-2010 14:09:23; Dark ; 39.0; 46; Del Vel ; 1.95; 10600;occ; 78; 0;41031
 22; 6977.7; 04-JAN-2010 14:12:13; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;41031
 23; 7108.7; 04-JAN-2010 14:14:24; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;41031
 24; 7226.6; 04-JAN-2010 14:16:22; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;41031
 25; 7390.2; 04-JAN-2010 14:19:05; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;41031
 26; 7480.6; 04-JAN-2010 14:20:36; Dark ; 41.0; 179; 240mi2CMa ; 3.03; 24000;occ; 82; 0;41031

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 2; 1588.0; 04-JAN-2010 14:22:59; Dark ; 50.5; 1; 9Alp CMa ; -1.44; 11000;occ; 101; 0;41032
 3; 2031.2; 04-JAN-2010 14:30:22; Dark ; 51.0; 14; 58Alp Ori ; 0.87; 3000;occ; 102; 0;41032
 4; 2214.0; 04-JAN-2010 14:33:25; Dark ; 49.5; 44; 24Gam Gem ; 1.93; 11000;occ; 99; 0;41032
 5; 2313.6; 04-JAN-2010 14:35:05; Bright; 46.0; 151; 13Mu Gem ; 2.89; 3000;occ; 92; 0;41032
 6; 2555.9; 04-JAN-2010 14:39:07; Bright; 55.0; 107; 37The Aur ; 2.65; 11000;occ; 110; 0;41032
 7; 2689.5; 04-JAN-2010 14:41:20; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;41032
 8; 3685.6; 04-JAN-2010 14:57:57; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;41032
 9; 3954.3; 04-JAN-2010 15:02:25; Bright; 49.0; 55; 79Zet UMa ; 2.06; 10200;occ; 98; 0;41032
 10; 4354.6; 04-JAN-2010 15:09:06; Bright; 65.0; 180; 27Gam Boo ; 3.04; 8000;occ; 130; 0;41032
 11; 4585.6; 04-JAN-2010 15:12:57; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;41032
 12; 4907.0; 04-JAN-2010 15:18:18; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;41032
 13; 5219.5; 04-JAN-2010 15:23:30; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;41032
 14; 5386.6; 04-JAN-2010 15:26:18; Dark ; 44.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 88; 0;41032
 15; 5806.1; 04-JAN-2010 15:33:17; Dark ; 49.0; 54; 5The Cen ; 2.06; 4500;occ; 98; 0;41032
 16; 5965.9; 04-JAN-2010 15:35:57; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 0;41032
 17; 6067.7; 04-JAN-2010 15:37:39; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41032
 18; 6185.4; 04-JAN-2010 15:39:36; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41032
 19; 6294.3; 04-JAN-2010 15:41:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41032
 20; 6558.1; 04-JAN-2010 15:45:49; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;41032
 21; 6694.1; 04-JAN-2010 15:48:05; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;41032
 22; 6808.3; 04-JAN-2010 15:49:59; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41032
 23; 6978.2; 04-JAN-2010 15:52:49; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;41032
 24; 7109.3; 04-JAN-2010 15:55:00; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;41032
 25; 7226.6; 04-JAN-2010 15:56:58; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;41032

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 2; 1444.7; 04-JAN-2010 16:01:12; Dark ; 43.5; 179; 240mi2CMa ; 3.03; 24000;occ; 87; 0;41033
 3; 1588.1; 04-JAN-2010 16:03:35; Dark ; 49.5; 1; 9Alp CMa ; -1.44; 11000;occ; 99; 0;41033
 4; 2031.1; 04-JAN-2010 16:10:58; Dark ; 51.5; 14; 58Alp Ori ; 0.87; 3000;occ; 103; 0;41033
 5; 2213.7; 04-JAN-2010 16:14:01; Dark ; 49.5; 44; 24Gam Gem ; 1.93; 11000;occ; 99; 0;41033
 6; 2313.1; 04-JAN-2010 16:15:40; Bright; 47.0; 151; 13Mu Gem ; 2.89; 3000;occ; 94; 0;41033
 7; 2555.6; 04-JAN-2010 16:19:43; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;41033
 8; 2689.2; 04-JAN-2010 16:21:56; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;41033
 9; 3685.3; 04-JAN-2010 16:38:32; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41033
 10; 3953.8; 04-JAN-2010 16:43:01; Bright; 53.5; 55; 79Zet UMa ; 2.06; 10200;occ; 107; 0;41033
 11; 4354.5; 04-JAN-2010 16:49:41; Bright; 56.0; 180; 27Gam Boo ; 3.04; 8000;occ; 112; 0;41033
 12; 4585.9; 04-JAN-2010 16:53:33; Bright; 46.0; 83; ; 2.38; 11000;occ; 92; 0;41033
 13; 4907.3; 04-JAN-2010 16:58:54; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;41033
 14; 5219.9; 04-JAN-2010 17:04:07; Bright; 39.0; 104; 27Bet Lib ; 2.61; 13100;occ; 78; 0;41033
 15; 5387.0; 04-JAN-2010 17:06:54; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;41033
 16; 5807.0; 04-JAN-2010 17:13:54; Dark ; 48.5; 54; 5The Cen ; 2.06; 4500;occ; 97; 0;41033
 17; 5966.6; 04-JAN-2010 17:16:33; Dark ; 42.5; 95; Zet Cen ; 2.55; 26000;occ; 85; 0;41033
 18; 6068.3; 04-JAN-2010 17:18:15; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41033
 19; 6186.3; 04-JAN-2010 17:20:13; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41033
 20; 6295.3; 04-JAN-2010 17:22:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41033
 21; 6559.0; 04-JAN-2010 17:26:26; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;41033
 22; 6694.5; 04-JAN-2010 17:28:41; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;41033
 23; 6808.9; 04-JAN-2010 17:30:36; Dark ; 48.0; 46; Del Vel ; 1.95; 10600;occ; 96; 0;41033
 24; 6978.6; 04-JAN-2010 17:33:26; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;41033
 25; 7109.9; 04-JAN-2010 17:35:37; Dark ; 3.5; 70; Zet Pup ; 2.25; 39000;occ; 7; 0;41033

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 3; 1354.6; 04-JAN-2010 17:40:18; Dark ; 45.5; 23; 21Eps CMa ; 1.50; 26000;occ; 91; 0;41034
 4; 1445.1; 04-JAN-2010 17:41:48; Dark ; 43.0; 179; 240mi2CMa ; 3.03; 24000;occ; 86; 0;41034
 5; 1588.0; 04-JAN-2010 17:44:11; Dark ; 49.0; 1; 9Alp CMa ; -1.44; 11000;occ; 98; 0;41034

6; 2031.0; 04-JAN-2010 17:51:34; Dark ; 48.0; 14; 58Alp Ori ; 0.87; 3000;occ; 96; 0;41034
7; 2213.4; 04-JAN-2010 17:54:36; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;41034
8; 2313.1; 04-JAN-2010 17:56:16; Bright; 48.5; 151; 13Mu Gem ; 2.89; 3000;occ; 97; 0;41034
9; 2555.3; 04-JAN-2010 18:00:18; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;41034
10; 2688.8; 04-JAN-2010 18:02:32; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;41034
11; 3685.2; 04-JAN-2010 18:19:08; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;41034
12; 3953.5; 04-JAN-2010 18:23:36; Bright; 49.5; 55; 79Zet UMa ; 2.06; 10200;occ; 99; 0;41034
13; 4354.6; 04-JAN-2010 18:30:18; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;41034
14; 4586.2; 04-JAN-2010 18:34:09; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;41034
15; 4907.8; 04-JAN-2010 18:39:31; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41034
16; 5220.5; 04-JAN-2010 18:44:43; Bright; 54.5; 104; 27Bet Lib ; 2.61; 13100;occ; 109; 0;41034
17; 5387.8; 04-JAN-2010 18:47:31; Dark ; 44.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 88; 0;41034
18; 5807.6; 04-JAN-2010 18:54:31; Dark ; 54.0; 54; 5The Cen ; 2.06; 4500;occ; 108; 0;41034
19; 5967.3; 04-JAN-2010 18:57:10; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;41034
20; 6068.8; 04-JAN-2010 18:58:52; Dark ; 38.5; 77; Eps Cen ; 2.30; 28000;occ; 77; 0;41034
21; 6187.1; 04-JAN-2010 19:00:50; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41034
22; 6296.2; 04-JAN-2010 19:02:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41034
23; 6559.7; 04-JAN-2010 19:07:03; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;41034
24; 6695.1; 04-JAN-2010 19:09:18; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;41034
25; 6809.4; 04-JAN-2010 19:11:12; Dark ; 48.0; 46; Del Vel ; 1.95; 10600;occ; 96; 0;41034
26; 6979.2; 04-JAN-2010 19:14:02; Dark ; 22.5; 34; Gam2Vel ; 1.79; 23000;occ; 45; 0;41034

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3; 1191.5; 04-JAN-2010 19:18:10; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;41035
4; 1355.0; 04-JAN-2010 19:20:54; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;41035
5; 1445.2; 04-JAN-2010 19:22:24; Dark ; 42.5; 179; 24Omi2CMA ; 3.03; 24000;occ; 85; 0;41035
6; 1588.4; 04-JAN-2010 19:24:47; Dark ; 47.5; 1; 9Alp CMA ; -1.44; 11000;occ; 95; 0;41035
7; 2030.9; 04-JAN-2010 19:32:10; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;41035
8; 2213.2; 04-JAN-2010 19:35:12; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;41035
9; 2312.6; 04-JAN-2010 19:36:52; Bright; 48.0; 151; 13Mu Gem ; 2.89; 3000;occ; 96; 0;41035
10; 2555.1; 04-JAN-2010 19:40:54; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;41035
11; 2688.6; 04-JAN-2010 19:43:08; Bright; 55.0; 42; 34Bet Aur ; 1.90; 10200;occ; 110; 0;41035
12; 3685.2; 04-JAN-2010 19:59:44; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;41035
13; 3953.3; 04-JAN-2010 20:04:12; Bright; 47.0; 55; 79Zet UMa ; 2.06; 10200;occ; 94; 0;41035
14; 4354.8; 04-JAN-2010 20:10:54; Bright; 46.0; 180; 27Gam Boo ; 3.04; 8000;occ; 92; 0;41035
15; 4586.1; 04-JAN-2010 20:14:45; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;41035
16; 4908.0; 04-JAN-2010 20:20:07; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41035
17; 5221.0; 04-JAN-2010 20:25:20; Bright; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;41035
18; 5388.4; 04-JAN-2010 20:28:07; Dark ; 42.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 85; 0;41035
19; 5808.2; 04-JAN-2010 20:35:07; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;41035
20; 5967.7; 04-JAN-2010 20:37:47; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;41035
21; 6069.3; 04-JAN-2010 20:39:28; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;41035
22; 6187.8; 04-JAN-2010 20:41:27; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;41035
23; 6297.1; 04-JAN-2010 20:43:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41035
24; 6560.6; 04-JAN-2010 20:47:40; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;41035
25; 6695.4; 04-JAN-2010 20:49:54; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;41035
26; 6809.7; 04-JAN-2010 20:51:49; Dark ; 49.0; 46; Del Vel ; 1.95; 10600;occ; 98; 0;41035
27; 6979.4; 04-JAN-2010 20:54:38; Dark ; 17.5; 34; Gam2Vel ; 1.79; 23000;occ; 35; 0;41035

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1; -788.9; 05-JAN-2010 01:27:34; Bright; 43.0; 104; 27Bet Lib ; 2.61; 13100;occ; 86; 49;41038
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27; 2682.5; 07-JAN-2010 06:23:59; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;41070

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3;	302.6;	07-JAN-2010	22:30:18;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41080
4;	481.3;	07-JAN-2010	22:33:17;	Dark	;	37.0;	124;	The Car	;	2.76;	30000;occ;	74;	0;	41080
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17;	2395.2;	07-JAN-2010	23:05:11;	Bright;		38.5;	28;	12Bet Tau	;	1.65;	15200;occ;	77;	0;	41080
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22;	3924.5;	07-JAN-2010	23:30:40;	Bright;		38.5;	119;	14Eta Dra	;	2.73;	4700;occ;	77;	0;	41080
23;	4437.5;	07-JAN-2010	23:39:13;	Bright;		33.0;	133;	40Zet Her	;	2.81;	6000;occ;	66;	0;	41080
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6;	303.5;	08-JAN-2010	00:10:55;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41081
7;	481.9;	08-JAN-2010	00:13:53;	Dark	;	38.5;	124;	The Car	;	2.76;	30000;occ;	77;	0;	41081
8;	574.7;	08-JAN-2010	00:15:26;	Dark	;	40.0;	159;	Ups Car	;	2.92;	7200;occ;	80;	0;	41081
9;	682.1;	08-JAN-2010	00:17:14;	Dark	;	44.0;	71;	Iot Car	;	2.25;	7700;occ;	88;	0;	41081
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20;	2395.0;	08-JAN-2010	00:45:47;	Bright;		39.0;	28;	12Bet Tau	;	1.65;	15200;occ;	78;	0;	41081
21;	2680.7;	08-JAN-2010	00:50:32;	Bright;		38.5;	42;	34Bet Aur	;	1.90;	10200;occ;	77;	0;	41081
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6;	3681.0;	07-JAN-2010	08:21:13;	Bright;		34.0;	60;	7Bet UMi	;	2.08;	3950;occ;	68;	0;	41071
7;	3924.6;	07-JAN-2010	08:25:17;	Bright;		39.5;	119;	14Eta Dra	;	2.73;	4700;occ;	79;	0;	41071
8;	4087.2;	07-JAN-2010	08:27:59;	Bright;		52.5;	39;	85Eta UMA	;	1.85;	24000;occ;	105;	0;	41071
9;	4355.1;	07-JAN-2010	08:32:27;	Bright;		43.5;	180;	27Gam Boo	;	3.04;	8000;occ;	87;	0;	41071
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13;	5413.9;	07-JAN-2010	08:50:06;	Dark	;	46.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	92;	0;	41071
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 9; 4451.4; 14-JAN-2010 08:13:56; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;41171
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9;	422.6;	16-JAN-2010	21:08:57;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41208
10;	544.6;	16-JAN-2010	21:10:59;	Dark	;	39.0;	124;	The Car	;	2.76;	30000;occ;	78;	0;	41208
11;	628.9;	16-JAN-2010	21:12:23;	Dark	;	38.5;	159;	Ups Car	;	2.92;	7200;occ;	77;	0;	41208
12;	741.0;	16-JAN-2010	21:14:15;	Dark	;	40.5;	71;	Iot Car	;	2.25;	7700;occ;	81;	0;	41208
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 3; 1258.1; 21-JAN-2010 18:44:47; Dark ; 43.5; 117; Pi Pup ; 2.71; 3800;occ; 87; 0;41278
 4; 1407.9; 21-JAN-2010 18:47:17; Dark ; 41.0; 23; 21Eps CMA ; 1.50; 26000;occ; 82; 0;41278
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 21; 5577.5; 21-JAN-2010 19:56:47; Dark ; 44.0; 75; 26Eps Sco ; 2.29; 4250;occ; 88; 0;41278
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2;	-457.6;	22-JAN-2010	00:58:35;	Dark	;	44.0;	75;	26Eps Sco	;	2.29;	4250;	occ;	88;	0;	41281
3;	-219.2;	22-JAN-2010	01:02:34;	Dark	;	41.5;	131;	Gam Lup	;	2.80;	26000;	occ;	83;	0;	41281
4;	-102.5;	22-JAN-2010	01:04:30;	Dark	;	43.5;	109;	Bet Lup	;	2.68;	26000;	occ;	87;	0;	41281
5;	-12.7;	22-JAN-2010	01:06:00;	Dark	;	41.5;	78;	Alp Lup	;	2.30;	28000;	occ;	83;	0;	41281
6;	120.7;	22-JAN-2010	01:08:13;	Dark	;	45.0;	4;	Alp1Cen	;	-0.01;	5800;	occ;	90;	0;	41282
7;	201.0;	22-JAN-2010	01:09:34;	Dark	;	41.5;	77;	Eps Cen	;	2.30;	28000;	occ;	83;	0;	41282
8;	392.0;	22-JAN-2010	01:12:45;	Dark	;	48.5;	12;	Alp1Cru	;	0.77;	30000;	occ;	97;	0;	41282
9;	489.8;	22-JAN-2010	01:14:23;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	41282
10;	579.3;	22-JAN-2010	01:15:52;	Dark	;	39.5;	124;	The Car	;	2.76;	30000;	occ;	79;	0;	41282
11;	658.1;	22-JAN-2010	01:17:11;	Dark	;	42.5;	159;	Ups Car	;	2.92;	7200;	occ;	85;	0;	41282
12;	771.9;	22-JAN-2010	01:19:05;	Dark	;	44.0;	71;	Iot Car	;	2.25;	7700;	occ;	88;	0;	41282
13;	881.5;	22-JAN-2010	01:20:54;	Dark	;	43.5;	46;	Del Vel	;	1.95;	10600;	occ;	87;	0;	41282
14;	1039.7;	22-JAN-2010	01:23:32;	Dark	;	44.5;	34;	Gam2Vel	;	1.79;	23000;	occ;	89;	0;	41282
15;	1166.6;	22-JAN-2010	01:25:39;	Dark	;	43.0;	70;	Zet Pup	;	2.25;	39000;	occ;	86;	0;	41282
16;	1258.8;	22-JAN-2010	01:27:12;	Dark	;	43.5;	117;	Pi Pup	;	2.71;	3800;	occ;	87;	0;	41282
17;	1408.3;	22-JAN-2010	01:29:41;	Dark	;	44.0;	23;	21Eps CMA	;	1.50;	26000;	occ;	88;	0;	41282
18;	1491.7;	22-JAN-2010	01:31:05;	Dark	;	41.5;	179;	240mi2CMA	;	3.03;	24000;	occ;	83;	0;	41282
19;	1621.9;	22-JAN-2010	01:33:15;	Dark	;	45.0;	1;	9Alp CMA	;	-1.44;	11000;	occ;	90;	0;	41282
20;	1998.6;	22-JAN-2010	01:39:31;	Dark	;	49.5;	8;	10Alp CMI	;	0.40;	6500;	occ;	99;	0;	41282
21;	2186.4;	22-JAN-2010	01:42:39;	Dark	;	47.5;	44;	24Gam Gem	;	1.93;	11000;	occ;	95;	0;	41282
22;	2292.0;	22-JAN-2010	01:44:25;	Bright;	;	42.0;	151;	13Mu Gem	;	2.89;	3000;	occ;	84;	0;	41282
23;	2427.8;	22-JAN-2010	01:46:41;	Bright;	;	45.5;	17;	78Bet Gem	;	1.16;	4500;	occ;	91;	0;	41282
24;	2544.2;	22-JAN-2010	01:48:37;	Bright;	;	36.0;	107;	37The Aur	;	2.65;	11000;	occ;	72;	0;	41282
25;	2673.2;	22-JAN-2010	01:50:46;	Bright;	;	36.5;	42;	34Bet Aur	;	1.90;	10200;	occ;	73;	0;	41282
26;	3426.2;	22-JAN-2010	02:03:19;	Bright;	;	35.5;	49;	1Alp UMI	;	1.99;	6300;	occ;	71;	0;	41282
27;	3645.9;	22-JAN-2010	02:06:59;	Bright;	;	40.5;	60;	7Bet UMI	;	2.08;	3950;	occ;	81;	0;	41282
28;	3915.6;	22-JAN-2010	02:11:28;	Bright;	;	39.0;	119;	14Eta Dra	;	2.73;	4700;	occ;	78;	0;	41282
29;	4084.0;	22-JAN-2010	02:14:17;	Bright;	;	35.0;	130;	23Bet Dra	;	2.80;	5800;	occ;	70;	0;	41282
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31;	4663.0;	22-JAN-2010	02:23:56;	Bright;	;	40.5;	127;	27Bet Her	;	2.78;	4700;	occ;	81;	0;	41282
32;	4761.5;	22-JAN-2010	02:25:34;	Bright;	;	34.0;	59;	55Alp Oph	;	2.08;	8900;	occ;	68;	0;	41282

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3;	-1568.4;	22-JAN-2010	04:01:16;	Bright;	;	38.5;	133;	40Zet Her	;	2.81;	6000;	occ;	77;	0;	41283
4;	-1372.8;	22-JAN-2010	04:04:32;	Bright;	;	58.0;	127;	27Bet Her	;	2.78;	4700;	occ;	116;	0;	41283
5;	-1274.2;	22-JAN-2010	04:06:10;	Bright;	;	41.0;	59;	55Alp Oph	;	2.08;	8900;	occ;	82;	0;	41283
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7;	-456.5;	22-JAN-2010	04:19:48;	Dark	;	44.5;	75;	26Eps Sco	;	2.29;	4250;	occ;	89;	0;	41283
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9;	-100.7;	22-JAN-2010	04:25:44;	Dark	;	43.0;	109;	Bet Lup	;	2.68;	26000;	occ;	86;	0;	41283
10;	-11.0;	22-JAN-2010	04:27:14;	Dark	;	42.0;	78;	Alp Lup	;	2.30;	28000;	occ;	84;	0;	41283
11;	121.8;	22-JAN-2010	04:29:26;	Dark	;	54.0;	4;	Alp1Cen	;	-0.01;	5800;	occ;	108;	0;	41284
12;	202.6;	22-JAN-2010	04:30:47;	Dark	;	40.5;	77;	Eps Cen	;	2.30;	28000;	occ;	81;	0;	41284
13;	491.6;	22-JAN-2010	04:35:36;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	41284
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17;	882.6;	22-JAN-2010	04:42:07;	Dark	;	37.5;	46;	Del Vel	;	1.95;	10600;	occ;	75;	0;	41284
18;	1040.7;	22-JAN-2010	04:44:45;	Dark	;	39.5;	34;	Gam2Vel	;	1.79;	23000;	occ;	79;	0;	41284
19;	1167.6;	22-JAN-2010	04:46:52;	Dark	;	41.0;	70;	Zet Pup	;	2.25;	39000;	occ;	82;	0;	41284
20;	1259.8;	22-JAN-2010	04:48:25;	Dark	;	41.5;	117;	Pi Pup	;	2.71;	3800;	occ;	83;	0;	41284
21;	1409.0;	22-JAN-2010	04:50:54;	Dark	;	40.0;	23;	21Eps CMA	;	1.50;	26000;	occ;	80;	0;	41284
22;	1492.3;	22-JAN-2010	04:52:17;	Dark	;	39.5;	179;	240mi2CMA	;	3.03;	24000;	occ;	79;	0;	41284
23;	1622.8;	22-JAN-2010	04:54:28;	Dark	;	44.0;	1;	9Alp CMA	;	-1.44;	11000;	occ;	88;	0;	41284
24;	1999.1;	22-JAN-2010	05:00:44;	Dark	;	47.0;	8;	10Alp CMI	;	0.40;	6500;	occ;	94;	0;	41284
25;	2186.6;	22-JAN-2010	05:03:51;	Dark	;	52.0;	44;	24Gam Gem	;	1.93;	11000;	occ;	104;	0;	41284
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27;	2427.3;	22-JAN-2010	05:07:52;	Bright;	;	43.5;	17;	78Bet Gem	;	1.16;	4500;	occ;	87;	0;	41284
28;	2545.0;	22-JAN-2010	05:09:50;	Bright;	;	52.0;	107;	37The Aur	;	2.65;	11000;	occ;	104;	0;	41284
29;	2673.9;	22-JAN-2010	05:11:59;	Bright;	;	35.0;	42;	34Bet Aur	;	1.90;	10200;	occ;	70;	0;	41284
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 5; 2189.0; 25-JAN-2010 16:53:50; Bright; 40.0; 44; 24Gam Gem ; 1.93; 11000;occ; 80; 0;41334
 6; 2296.1; 25-JAN-2010 16:55:37; Bright; 39.5; 151; 13Mu Gem ; 2.89; 3000;occ; 79; 0;41334
 7; 2412.0; 25-JAN-2010 16:57:33; Bright; 43.5; 17; 78Bet Gem ; 1.16; 4500;occ; 87; 0;41334
 8; 2677.9; 25-JAN-2010 17:01:59; Bright; 36.0; 42; 34Bet Aur ; 1.90; 10200;occ; 72; 0;41334
 9; 3426.6; 25-JAN-2010 17:14:28; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41334
 10; 3634.8; 25-JAN-2010 17:17:56; Bright; 43.5; 60; 7Bet UMi ; 2.08; 3950;occ; 87; 0;41334
 11; 3909.7; 25-JAN-2010 17:22:31; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;41334
 12; 4086.0; 25-JAN-2010 17:25:27; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;41334
 13; 4474.5; 25-JAN-2010 17:31:55; Bright; 47.5; 133; 40Zet Her ; 2.81; 6000;occ; 95; 0;41334
 14; 4676.7; 25-JAN-2010 17:35:18; Bright; 41.0; 127; 27Bet Her ; 2.78; 4700;occ; 82; 0;41334
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27; 4474.9; 26-JAN-2010 01:54:55; Bright; 40.5; 133; 40Zet Her ; 2.81; 6000;occ; 81; 0;41339
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19; 6037.8; 30-JAN-2010 20:21:41; Dark ; 45.0; 109; Bet Lup ; 2.68; 26000;occ; 90; 0;41407
20; 6131.0; 30-JAN-2010 20:23:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41407
21; 6221.5; 30-JAN-2010 20:24:45; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;41407
22; 6333.6; 30-JAN-2010 20:26:37; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41407
23; 6497.0; 30-JAN-2010 20:29:20; Dark ; 48.5; 12; Alp1Cru ; 0.77; 30000;occ; 97; 0;41407
24; 6613.9; 30-JAN-2010 20:31:17; Dark ; 46.5; 99; Del Cen ; 2.58; 26000;occ; 93; 0;41407
25; 6738.9; 30-JAN-2010 20:33:22; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41407
26; 6854.0; 30-JAN-2010 20:35:17; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;41407
27; 6959.3; 30-JAN-2010 20:37:03; Dark ; 47.5; 46; Del Vel ; 1.95; 10600;occ; 95; 0;41407
28; 7111.5; 30-JAN-2010 20:39:35; Dark ; 24.0; 34; Gam2Vel ; 1.79; 23000;occ; 48; 0;41407

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