

GOMOS Daily Report 14-DEC-2009

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	17DEC2009 04:58:37
Data source version	GOMOS/5.00L04
Start time of products	14DEC2009 00:04:03
Stop time of products	14DEC2009 23:58:42
Store outputs in DB	Yes
Nb of level 1b prods	162
Nb of prods with errors	1

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

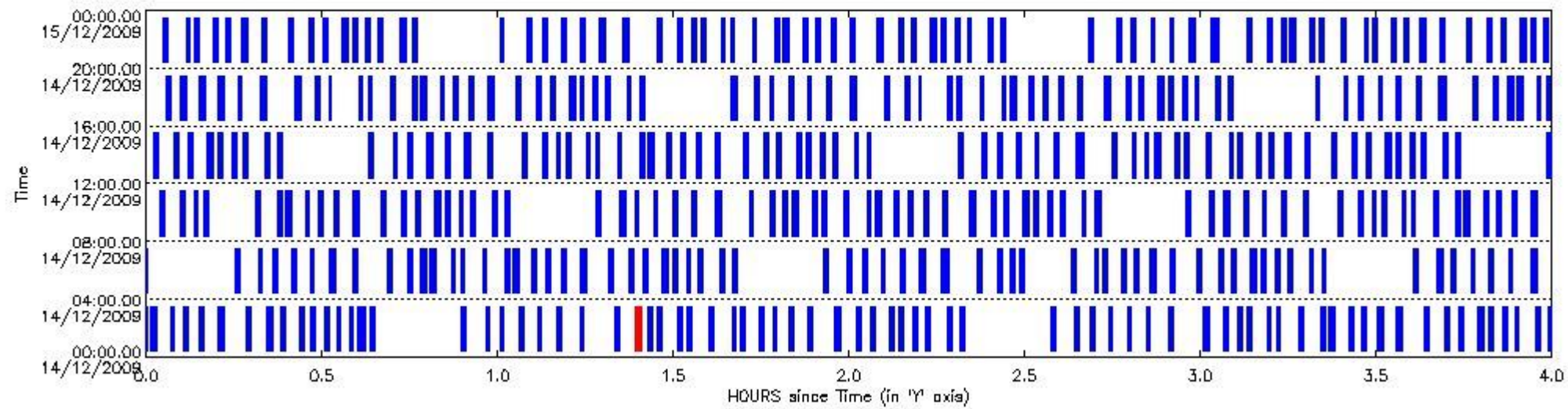
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
14-DEC-2009 01:23:31	46GamHya	169	40723

2.4 Summary of processed GOM_TRA_1P products

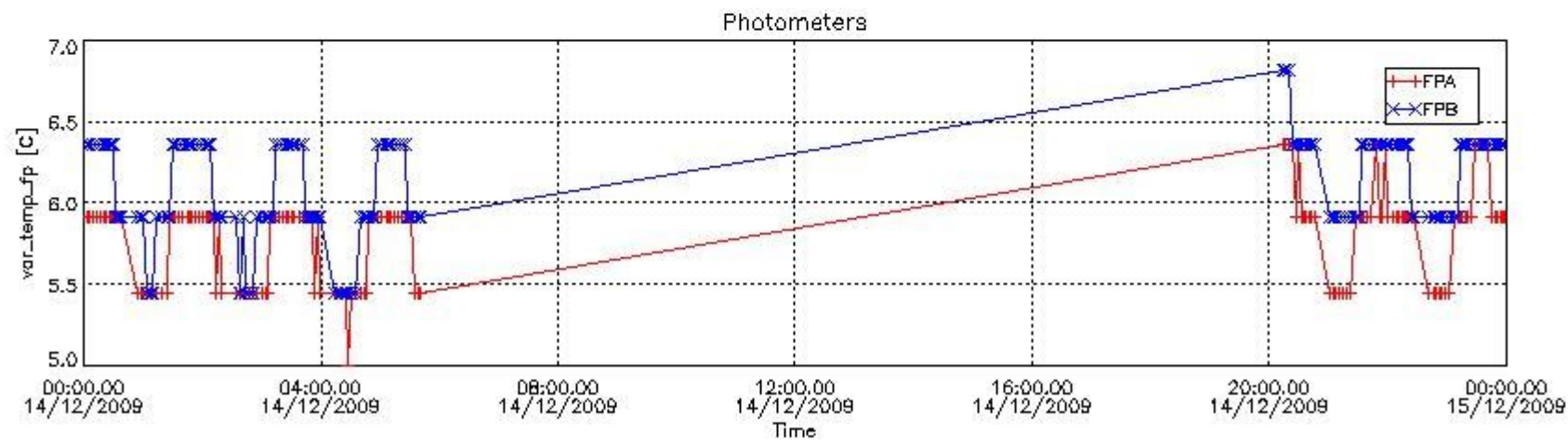
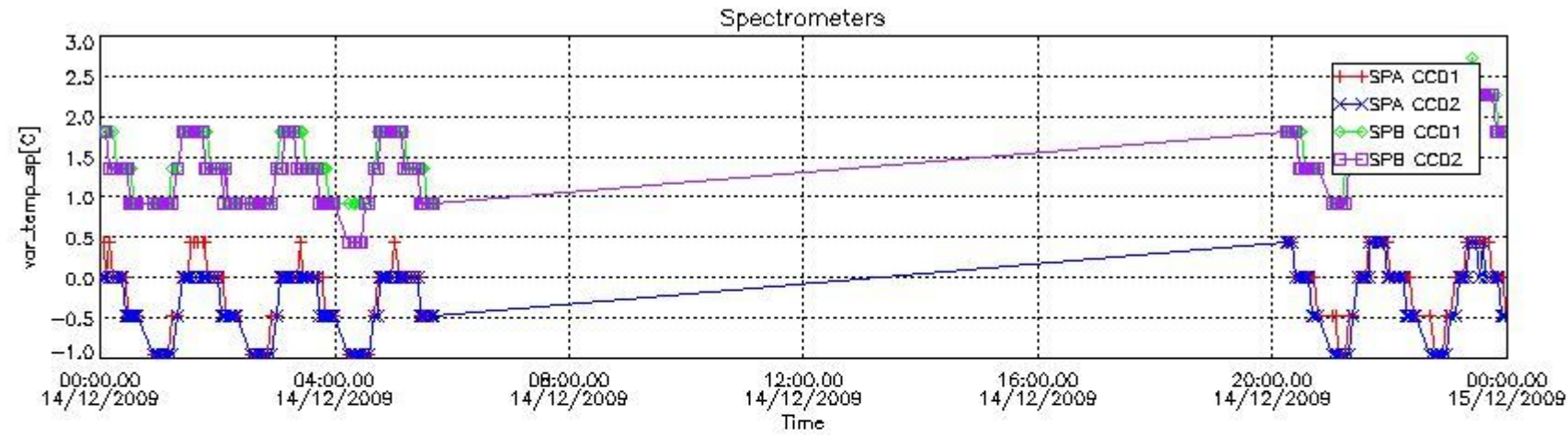
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20091214_000403_000000462085_00088_40723_8127.N1	14-DEC-2009 00:04:03	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	40723	No
2	GOM_TRA_1PNPDE20091214_000620_000000462085_00088_40723_8128.N1	14-DEC-2009 00:06:20	Dark	45.500	2	Alp Car	-0.73600	7000.0	91	40723	No
3	GOM_TRA_1PNPDE20091214_000859_000000532085_00088_40723_8129.N1	14-DEC-2009 00:08:59	Dark	53.000	117	Pi Pup	2.7060	3800.0	106	40723	No
4	GOM_TRA_1PNPDE20091214_001219_000000552085_00088_40723_8130.N1	14-DEC-2009 00:12:19	Straylight	55.000	23	21Eps CMa	1.5020	26000.	110	40723	No
5	GOM_TRA_1PNPDE20091214_001701_000000502085_00088_40723_8131.N1	14-DEC-2009 00:17:01	Straylight	50.000	47	2Bet CMa	1.9760	28000.	100	40723	No
6	GOM_TRA_1PNPDE20091214_002036_000000572085_00088_40723_8132.N1	14-DEC-2009 00:20:36	Straylight	57.000	7	19Bet Ori	0.10000	14000.	114	40723	No
7	GOM_TRA_1PNPDE20091214_002256_000000502085_00088_40723_8133.N1	14-DEC-2009 00:22:56	Straylight	49.500	30	46Eps Ori	1.6940	30000.	99	40723	No
8	GOM_TRA_1PNPDE20091214_002612_000000482085_00088_40723_8134.N1	14-DEC-2009 00:26:12	Twilight_stray	48.000	14	58Alp Ori	0.87000	3000.0	96	40723	No
9	GOM_TRA_1PNPDE20091214_002800_000000552085_00088_40723_8135.N1	14-DEC-2009 00:28:00	Twilight_stray	55.000	13	87Alp Tau	0.86700	3800.0	110	40723	No
10	GOM_TRA_1PNPDE20091214_003025_000000432085_00088_40723_8136.N1	14-DEC-2009 00:30:25	Bright	43.000	176	23Zet Tau	3.0200	22000.	86	40723	No

11	GOM_TRA_1PNPDE20091214_003227_000000442085_00088_40723_8137.N1	14-DEC-2009 00:32:27	Bright	43.500	28	12Bet Tau	1.6500	15200.	87	40723	No
12	GOM_TRA_1PNPDE20091214_003443_000000282085_00088_40723_8138.N1	14-DEC-2009 00:34:43	Bright	27.500	149	45Eps Per	2.8880	30000.	55	40723	Yes
13	GOM_TRA_1PNPDE20091214_003611_000000682085_00088_40723_8139.N1	14-DEC-2009 00:36:11	Bright	68.000	107	37The Aur	2.6490	11000.	136	40723	No
14	GOM_TRA_1PNPDE20091214_003819_000000452085_00088_40723_8140.N1	14-DEC-2009 00:38:19	Bright	45.000	42	34Bet Aur	1.9000	10200.	90	40723	No
15	GOM_TRA_1PNPDE20091214_005352_000000492085_00088_40723_8141.N1	14-DEC-2009 00:53:52	Bright	48.500	36	50Alp UMa	1.8000	6300.0	97	40723	No
16	GOM_TRA_1PNPDE20091214_005756_000000452085_00088_40723_8142.N1	14-DEC-2009 00:57:56	Bright	44.500	32	77Eps UMa	1.7630	11000.	89	40723	No
17	GOM_TRA_1PNPDE20091214_010026_000000382085_00088_40723_8143.N1	14-DEC-2009 01:00:26	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	40723	No
18	GOM_TRA_1PNPDE20091214_010343_000000372085_00088_40723_8144.N1	14-DEC-2009 01:03:43	Bright	37.000	180	27Gam Boo	3.0400	8000.0	74	40723	No
19	GOM_TRA_1PNPDE20091214_010653_000000362085_00088_40723_8145.N1	14-DEC-2009 01:06:53	Bright	36.000	83		2.3780	11000.	72	40723	No
20	GOM_TRA_1PNPDE20091214_011009_000000392085_00088_40723_8146.N1	14-DEC-2009 01:10:09	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	40723	No
21	GOM_TRA_1PNPDE20091214_011358_000000482085_00088_40723_8147.N1	14-DEC-2009 01:13:58	Bright	47.500	138	47Eps Vir	2.8280	4700.0	95	40723	No
22	GOM_TRA_1PNPDE20091214_011954_000000532085_00088_40723_8170.N1	14-DEC-2009 01:19:54	Twilight	52.500	15	67Alp Vir	0.97600	28000.	105	40723	No
23	GOM_TRA_1PNPDE20091214_012538_000000552085_00088_40723_8171.N1	14-DEC-2009 01:25:38	Dark	54.500	100	4Gam Crv	2.5800	13100.	109	40723	No
24	GOM_TRA_1PNPDE20091214_012713_000000562085_00088_40723_8172.N1	14-DEC-2009 01:27:13	Dark	55.500	171	2Eps Crv	3.0010	4250.0	111	40723	No
25	GOM_TRA_1PNPDE20091214_013047_000000412085_00088_40723_8173.N1	14-DEC-2009 01:30:47	Dark	40.500	64	Gam Cen	2.2000	10600.	81	40723	No
26	GOM_TRA_1PNPDE20091214_013223_000000462085_00089_40724_8174.N1	14-DEC-2009 01:32:23	Dark	46.000	99	Del Cen	2.5750	26000.	92	40724	No
27	GOM_TRA_1PNPDE20091214_013608_000000452085_00089_40724_8175.N1	14-DEC-2009 01:36:08	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	40724	No
28	GOM_TRA_1PNPDE20091214_014003_000000422085_00089_40724_8176.N1	14-DEC-2009 01:40:03	Dark	42.000	71	lot Car	2.2460	7700.0	84	40724	No
29	GOM_TRA_1PNPDE20091214_014440_000000522085_00089_40724_8177.N1	14-DEC-2009 01:44:40	Dark	52.000	34	Gam2Vel	1.7930	23000.	104	40724	No
30	GOM_TRA_1PNPDE20091214_014657_000000462085_00089_40724_8178.N1	14-DEC-2009 01:46:57	Dark	45.500	2	Alp Car	-0.73600	7000.0	91	40724	No
31	GOM_TRA_1PNPDE20091214_014935_000000542085_00089_40724_8179.N1	14-DEC-2009 01:49:35	Dark	54.000	117	Pi Pup	2.7060	3800.0	108	40724	No
32	GOM_TRA_1PNPDE20091214_015255_000000562085_00089_40724_8180.N1	14-DEC-2009 01:52:55	Straylight	56.000	23	21Eps CMa	1.5020	26000.	112	40724	No
33	GOM_TRA_1PNPDE20091214_015737_000000522085_00089_40724_8181.N1	14-DEC-2009 01:57:37	Straylight	51.500	47	2Bet CMa	1.9760	28000.	103	40724	No
34	GOM_TRA_1PNPDE20091214_020112_000000482085_00089_40724_8182.N1	14-DEC-2009 02:01:12	Straylight	47.500	7	19Bet Ori	0.10000	14000.	95	40724	No
35	GOM_TRA_1PNPDE20091214_020332_000000492085_00089_40724_8183.N1	14-DEC-2009 02:03:32	Straylight	48.500	30	46Eps Ori	1.6940	30000.	97	40724	No
36	GOM_TRA_1PNPDE20091214_020648_000000552085_00089_40724_8184.N1	14-DEC-2009 02:06:48	Twilight	55.000	14	58Alp Ori	0.87000	3000.0	110	40724	No
37	GOM_TRA_1PNPDE20091214_020836_000000482085_00089_40724_8185.N1	14-DEC-2009 02:08:36	Twilight	47.500	13	87Alp Tau	0.86700	3800.0	95	40724	No
38	GOM_TRA_1PNPDE20091214_021100_000000482085_00089_40724_8186.N1	14-DEC-2009 02:11:00	Bright	47.500	176	23Zet Tau	3.0200	22000.	95	40724	No
39	GOM_TRA_1PNPDE20091214_021303_000000462085_00089_40724_8187.N1	14-DEC-2009 02:13:03	Bright	46.000	28	12Bet Tau	1.6500	15200.	92	40724	No
40	GOM_TRA_1PNPDE20091214_021646_000000472085_00089_40724_8188.N1	14-DEC-2009 02:16:46	Bright	47.000	107	37The Aur	2.6490	11000.	94	40724	No
41	GOM_TRA_1PNPDE20091214_021855_000000432085_00089_40724_8189.N1	14-DEC-2009 02:18:55	Bright	43.000	42	34Bet Aur	1.9000	10200.	86	40724	No
42	GOM_TRA_1PNPDE20091214_023427_000000492085_00089_40724_8190.N1	14-DEC-2009 02:34:27	Bright	48.500	36	50Alp UMa	1.8000	6300.0	97	40724	No
43	GOM_TRA_1PNPDE20091214_023832_000000502085_00089_40724_8204.N1	14-DEC-2009 02:38:32	Bright	50.000	32	77Eps UMa	1.7630	11000.	100	40724	No
44	GOM_TRA_1PNPDE20091214_024102_000000572085_00089_40724_8205.N1	14-DEC-2009 02:41:02	Bright	57.000	39	85Eta UMa	1.8540	24000.	114	40724	No
45	GOM_TRA_1PNPDE20091214_024419_000000352085_00089_40724_8206.N1	14-DEC-2009 02:44:19	Bright	34.500	180	27Gam Boo	3.0400	8000.0	69	40724	No
46	GOM_TRA_1PNPDE20091214_024730_000000342085_00089_40724_8207.N1	14-DEC-2009 02:47:30	Bright	34.000	83		2.3780	11000.	68	40724	No
47	GOM_TRA_1PNPDE20091214_025045_000000402085_00089_40724_8208.N1	14-DEC-2009 02:50:45	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	40724	No
48	GOM_TRA_1PNPDE20091214_025434_000000502085_00089_40724_8209.N1	14-DEC-2009 02:54:34	Bright	50.000	138	47Eps Vir	2.8280	4700.0	100	40724	No
49	GOM_TRA_1PNPDE20091214_030031_000000532085_00089_40724_8210.N1	14-DEC-2009 03:00:31	Twilight	52.500	15	67Alp Vir	0.97600	28000.	105	40724	No
50	GOM_TRA_1PNPDE20091214_030400_000000462085_00089_40724_8211.N1	14-DEC-2009 03:04:00	Twilight	46.000	169	46Gam Hya	2.9910	4700.0	92	40724	No
51	GOM_TRA_1PNPDE20091214_030615_000000522085_00089_40724_8212.N1	14-DEC-2009 03:06:15	Dark	52.000	100	4Gam Crv	2.5800	13100.	104	40724	No
52	GOM_TRA_1PNPDE20091214_030751_000000572085_00089_40724_8213.N1	14-DEC-2009 03:07:51	Dark	56.500	171	2Eps Crv	3.0010	4250.0	113	40724	No
53	GOM_TRA_1PNPDE20091214_031123_000000412085_00089_40724_8214.N1	14-DEC-2009 03:11:23	Dark	41.000	64	Gam Cen	2.2000	10600.	82	40724	No
54	GOM_TRA_1PNPDE20091214_031300_000000402085_00090_40725_8215.N1	14-DEC-2009 03:13:00	Dark	40.000	99	Del Cen	2.5750	26000.	80	40725	No
55	GOM_TRA_1PNPDE20091214_031645_000000442085_00090_40725_8216.N1	14-DEC-2009 03:16:45	Dark	44.000	113	Mu Vel	2.6920	5000.0	88	40725	No
56	GOM_TRA_1PNPDE20091214_032039_000000412085_00090_40725_8217.N1	14-DEC-2009 03:20:39	Dark	41.000	71	lot Car	2.2460	7700.0	82	40725	No
57	GOM_TRA_1PNPDE20091214_032517_000000502085_00090_40725_8218.N1	14-DEC-2009 03:25:17	Dark	50.000	34	Gam2Vel	1.7930	23000.	100	40725	No
58	GOM_TRA_1PNPDE20091214_032733_000000452085_00090_40725_8219.N1	14-DEC-2009 03:27:33	Dark	45.000	2	Alp Car	-0.73600	7000.0	90	40725	No
59	GOM_TRA_1PNPDE20091214_033012_000000562085_00090_40725_8220.N1	14-DEC-2009 03:30:12	Dark	55.500	117	Pi Pup	2.7060	3800.0	111	40725	No
60	GOM_TRA_1PNPDE20091214_033331_000000562085_00090_40725_8221.N1	14-DEC-2009 03:33:31	Straylight	55.500	23	21Eps CMa	1.5020	26000.	111	40725	No
61	GOM_TRA_1PNPDE20091214_033813_000000532085_00090_40725_8222.N1	14-DEC-2009 03:38:13	Straylight	52.500	47	2Bet CMa	1.9760	28000.	105	40725	No
62	GOM_TRA_1PNPDE20091214_034148_000000482085_00090_40725_8223.N1	14-DEC-2009 03:41:48	Straylight	47.500	7	19Bet Ori	0.10000	14000.	95	40725	No
63	GOM_TRA_1PNPDE20091214_034408_000000502085_00090_40725_8224.N1	14-DEC-2009 03:44:08	Straylight	49.500	30	46Eps Ori	1.6940	30000.	99	40725	No
64	GOM_TRA_1PNPDE20091214_034724_000000552085_00090_40725_8225.N1	14-DEC-2009 03:47:24	Twilight	55.000	14	58Alp Ori	0.87000	3000.0	110	40725	No
65	GOM_TRA_1PNPDE20091214_034912_000000482085_00090_40725_8226.N1	14-DEC-2009 03:49:12	Twilight	48.000	13	87Alp Tau	0.86700	3800.0	96	40725	No
66	GOM_TRA_1PNPDE20091214_035136_000000452085_00090_40725_8227.N1	14-DEC-2009 03:51:36	Bright	45.000	176	23Zet Tau	3.0200	22000.	90	40725	No
67	GOM_TRA_1PNPDE20091214_035338_000000452085_00090_40725_8228.N1	14-DEC-2009 03:53:38	Bright	45.000	28	12Bet Tau	1.6500	15200.	90	40725	No
68	GOM_TRA_1PNPDE20091214_035721_000000442085_00090_40725_8229.N1	14-DEC-2009 03:57:21	Bright	44.000	107	37The Aur	2.6490	11000.	88	40725	No
69	GOM_TRA_1PNPDE20091214_035930_000000452085_00090_40725_8230.N1	14-DEC-2009 03:59:30	Bright	44.500	42	34Bet Aur	1.9000	10200.	89	40725	No

70	GOM_TRA_1PNPDE20091214_041502_000000482085_00090_40725_8226.N1	14-DEC-2009 04:15:02	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	40725	No
71	GOM_TRA_1PNPDE20091214_041908_000000412085_00090_40725_8227.N1	14-DEC-2009 04:19:08	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	40725	No
72	GOM_TRA_1PNPDE20091214_042138_000000412085_00090_40725_8228.N1	14-DEC-2009 04:21:38	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	40725	No
73	GOM_TRA_1PNPDE20091214_042455_000000352085_00090_40725_8229.N1	14-DEC-2009 04:24:55	Bright	34.500	180	27Gam Boo	3.0400	8000.0	69	40725	No
74	GOM_TRA_1PNPDE20091214_042806_000000352085_00090_40725_8230.N1	14-DEC-2009 04:28:06	Bright	35.000	83		2.3780	11000.	70	40725	No
75	GOM_TRA_1PNPDE20091214_043121_000000592085_00090_40725_8231.N1	14-DEC-2009 04:31:21	Bright	59.000	111	8Eta Boo	2.6800	6000.0	118	40725	No
76	GOM_TRA_1PNPDE20091214_043511_000000522085_00090_40725_8232.N1	14-DEC-2009 04:35:11	Bright	52.000	138	47Eps Vir	2.8280	4700.0	104	40725	No
77	GOM_TRA_1PNPDE20091214_044108_000000512085_00090_40725_8233.N1	14-DEC-2009 04:41:08	Twilight	50.500	15	67Alp Vir	0.97600	28000.	101	40725	No
78	GOM_TRA_1PNPDE20091214_044437_000000472085_00090_40725_8234.N1	14-DEC-2009 04:44:37	Twilight	47.000	169	46Gam Hya	2.9910	4700.0	94	40725	No
79	GOM_TRA_1PNPDE20091214_044652_000000522085_00090_40725_8235.N1	14-DEC-2009 04:46:52	Dark	52.000	100	4Gam Crv	2.5800	13100.	104	40725	No
80	GOM_TRA_1PNPDE20091214_044828_000000552085_00090_40725_8236.N1	14-DEC-2009 04:48:28	Dark	54.500	171	2Eps Crv	3.0010	4250.0	109	40725	No
81	GOM_TRA_1PNPDE20091214_045200_000000482085_00090_40725_8237.N1	14-DEC-2009 04:52:00	Dark	48.000	64	Gam Cen	2.2000	10600.	96	40725	No
82	GOM_TRA_1PNPDE20091214_045336_000000402085_00091_40726_8238.N1	14-DEC-2009 04:53:36	Dark	39.500	99	Del Cen	2.5750	26000.	79	40726	No
83	GOM_TRA_1PNPDE20091214_045722_000000442085_00091_40726_8239.N1	14-DEC-2009 04:57:22	Dark	44.000	113	Mu Vel	2.6920	5000.0	88	40726	No
84	GOM_TRA_1PNPDE20091214_050116_000000412085_00091_40726_8240.N1	14-DEC-2009 05:01:16	Dark	41.000	71	lot Car	2.2460	7700.0	82	40726	No
85	GOM_TRA_1PNPDE20091214_050553_000000502085_00091_40726_8241.N1	14-DEC-2009 05:05:53	Dark	50.000	34	Gam2Vel	1.7930	23000.	100	40726	No
86	GOM_TRA_1PNPDE20091214_050809_000000462085_00091_40726_8242.N1	14-DEC-2009 05:08:09	Dark	45.500	2	Alp Car	-0.73600	7000.0	91	40726	No
87	GOM_TRA_1PNPDE20091214_051048_000000542085_00091_40726_8243.N1	14-DEC-2009 05:10:48	Dark	54.000	117	Pi Pup	2.7060	3800.0	108	40726	No
88	GOM_TRA_1PNPDE20091214_051408_000000562085_00091_40726_8244.N1	14-DEC-2009 05:14:08	Straylight	55.500	23	21Eps CMa	1.5020	26000.	111	40726	No
89	GOM_TRA_1PNPDE20091214_051849_000000542085_00091_40726_8245.N1	14-DEC-2009 05:18:49	Straylight	54.000	47	2Bet CMa	1.9760	28000.	108	40726	No
90	GOM_TRA_1PNPDE20091214_052224_000000492085_00091_40726_8246.N1	14-DEC-2009 05:22:24	Straylight	48.500	7	19Bet Ori	0.10000	14000.	97	40726	No
91	GOM_TRA_1PNPDE20091214_052444_000000492085_00091_40726_8247.N1	14-DEC-2009 05:24:44	Straylight	48.500	30	46Eps Ori	1.6940	30000.	97	40726	No
92	GOM_TRA_1PNPDE20091214_052759_000000612085_00091_40726_8248.N1	14-DEC-2009 05:27:59	Twilight	61.000	14	58Alp Ori	0.87000	3000.0	122	40726	No
93	GOM_TRA_1PNPDE20091214_052948_000000502085_00091_40726_8249.N1	14-DEC-2009 05:29:48	Twilight	49.500	13	87Alp Tau	0.86700	3800.0	99	40726	No
94	GOM_TRA_1PNPDE20091214_053211_000000442085_00091_40726_8250.N1	14-DEC-2009 05:32:11	Bright	44.000	176	23Zet Tau	3.0200	22000.	88	40726	No
95	GOM_TRA_1PNPDE20091214_053414_000000442085_00091_40726_8251.N1	14-DEC-2009 05:34:14	Bright	44.000	28	12Bet Tau	1.6500	15200.	88	40726	No
96	GOM_TRA_1PNPDE20091214_053757_000000462085_00091_40726_8252.N1	14-DEC-2009 05:37:57	Bright	46.000	107	37The Aur	2.6490	11000.	92	40726	No
97	GOM_TRA_1PNPDE20091214_054006_000000432085_00091_40726_8253.N1	14-DEC-2009 05:40:06	Bright	43.000	42	34Bet Aur	1.9000	10200.	86	40726	No
98	GOM_TRA_1PNPDE20091214_201337_000000522085_00100_40735_8322.N1	14-DEC-2009 20:13:37	Dark	51.500	2	Alp Car	-0.73600	7000.0	103	40735	No
99	GOM_TRA_1PNPDE20091214_201617_000000562085_00100_40735_8323.N1	14-DEC-2009 20:16:17	Dark	56.000	117	Pi Pup	2.7060	3800.0	112	40735	No
100	GOM_TRA_1PNPDE20091214_201935_000000552085_00100_40735_8324.N1	14-DEC-2009 20:19:35	Straylight	54.500	23	21Eps CMa	1.5020	26000.	109	40735	No
101	GOM_TRA_1PNPDE20091214_202414_000000552085_00100_40735_8325.N1	14-DEC-2009 20:24:14	Straylight	54.500	47	2Bet CMa	1.9760	28000.	109	40735	No
102	GOM_TRA_1PNPDE20091214_202748_000000492085_00100_40735_8326.N1	14-DEC-2009 20:27:48	Straylight	49.000	7	19Bet Ori	0.10000	14000.	98	40735	No
103	GOM_TRA_1PNPDE20091214_203006_000000492085_00100_40735_8327.N1	14-DEC-2009 20:30:06	Straylight	48.500	30	46Eps Ori	1.6940	30000.	97	40735	No
104	GOM_TRA_1PNPDE20091214_203320_000000682085_00100_40735_8328.N1	14-DEC-2009 20:33:20	Twilight	67.500	14	58Alp Ori	0.87000	3000.0	135	40735	No
105	GOM_TRA_1PNPDE20091214_203511_000000542085_00100_40735_8329.N1	14-DEC-2009 20:35:11	Twilight	53.500	13	87Alp Tau	0.86700	3800.0	107	40735	No
106	GOM_TRA_1PNPDE20091214_203731_000000442085_00100_40735_8330.N1	14-DEC-2009 20:37:31	Bright	44.000	176	23Zet Tau	3.0200	22000.	88	40735	No
107	GOM_TRA_1PNPDE20091214_203934_000000452085_00100_40735_8331.N1	14-DEC-2009 20:39:34	Bright	44.500	28	12Bet Tau	1.6500	15200.	89	40735	No
108	GOM_TRA_1PNPDE20091214_204314_000000672085_00100_40735_8332.N1	14-DEC-2009 20:43:14	Bright	67.000	107	37The Aur	2.6490	11000.	134	40735	No
109	GOM_TRA_1PNPDE20091214_204523_000000452085_00100_40735_8333.N1	14-DEC-2009 20:45:23	Bright	44.500	42	34Bet Aur	1.9000	10200.	89	40735	No
110	GOM_TRA_1PNPDE20091214_210024_000000372085_00100_40735_8334.N1	14-DEC-2009 21:00:24	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	40735	No
111	GOM_TRA_1PNPDE20091214_210505_000000462085_00100_40735_8335.N1	14-DEC-2009 21:05:05	Bright	46.000	32	77Eps UMa	1.7630	11000.	92	40735	No
112	GOM_TRA_1PNPDE20091214_210737_000000452085_00100_40735_8336.N1	14-DEC-2009 21:07:37	Bright	44.500	39	85Eta UMa	1.8540	24000.	89	40735	No
113	GOM_TRA_1PNPDE20091214_211056_000000472085_00100_40735_8337.N1	14-DEC-2009 21:10:56	Bright	46.500	180	27Gam Boo	3.0400	8000.0	93	40735	No
114	GOM_TRA_1PNPDE20091214_211407_000000412085_00100_40735_8338.N1	14-DEC-2009 21:14:07	Bright	40.500	83		2.3780	11000.	81	40735	No
115	GOM_TRA_1PNPDE20091214_211724_000000592085_00100_40735_8339.N1	14-DEC-2009 21:17:24	Bright	59.000	111	8Eta Boo	2.6800	6000.0	118	40735	No
116	GOM_TRA_1PNPDE20091214_212117_000000722085_00100_40735_8340.N1	14-DEC-2009 21:21:17	Bright	71.500	138	47Eps Vir	2.8280	4700.0	143	40735	No
117	GOM_TRA_1PNPDE20091214_212714_000000512085_00100_40735_8340.N1	14-DEC-2009 21:27:14	Twilight	50.500	15	67Alp Vir	0.97600	28000.	101	40735	No
118	GOM_TRA_1PNPDE20091214_213044_000000472085_00100_40735_8341.N1	14-DEC-2009 21:30:44	Twilight	47.000	169	46Gam Hya	2.9910	4700.0	94	40735	No
119	GOM_TRA_1PNPDE20091214_213308_000000522085_00100_40735_8342.N1	14-DEC-2009 21:33:08	Dark	52.000	106	9Bet Crv	2.6480	5600.0	104	40735	No
120	GOM_TRA_1PNPDE20091214_213440_000000552085_00100_40735_8343.N1	14-DEC-2009 21:34:40	Dark	55.000	171	2Eps Crv	3.0010	4250.0	110	40735	No
121	GOM_TRA_1PNPDE20091214_213805_000000432085_00100_40735_8344.N1	14-DEC-2009 21:38:05	Dark	42.500	64	Gam Cen	2.2000	10600.	85	40735	No
122	GOM_TRA_1PNPDE20091214_213942_000000402085_00101_40736_8345.N1	14-DEC-2009 21:39:42	Dark	39.500	99	Del Cen	2.5750	26000.	79	40736	No
123	GOM_TRA_1PNPDE20091214_214330_000000442085_00101_40736_8346.N1	14-DEC-2009 21:43:30	Dark	43.500	113	Mu Vel	2.6920	5000.0	87	40736	No
124	GOM_TRA_1PNPDE20091214_214722_000000462085_00101_40736_8347.N1	14-DEC-2009 21:47:22	Dark	45.500	71	lot Car	2.2460	7700.0	91	40736	No
125	GOM_TRA_1PNPDE20091214_215200_000000492085_00101_40736_8348.N1	14-DEC-2009 21:52:00	Dark	49.000	34	Gam2Vel	1.7930	23000.	98	40736	No
126	GOM_TRA_1PNPDE20091214_215413_000000482085_00101_40736_8349.N1	14-DEC-2009 21:54:13	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	40736	No
127	GOM_TRA_1PNPDE20091214_215654_000000532085_00101_40736_8350.N1	14-DEC-2009 21:56:54	Dark	53.000	117	Pi Pup	2.7060	3800.0	106	40736	No
128	GOM_TRA_1PNPDE20091214_220012_000000552085_00101_40736_8351.N1	14-DEC-2009 22:00:12	Straylight	54.500	23	21Eps CMa	1.5020	26000.	109	40736	No

129	GOM_TRA_1PNPDE20091214_220450_000000542085_00101_40736_8352.N1	14-DEC-2009 22:04:50	Straylight	53.500	47	2Bet CMa	1.9760	28000.	107	40736	No
130	GOM_TRA_1PNPDE20091214_220824_000000492085_00101_40736_8353.N1	14-DEC-2009 22:08:24	Straylight	49.000	7	19Bet Ori	0.10000	14000.	98	40736	No
131	GOM_TRA_1PNPDE20091214_221042_000000492085_00101_40736_8354.N1	14-DEC-2009 22:10:42	Straylight	48.500	30	46Eps Ori	1.6940	30000.	97	40736	No
132	GOM_TRA_1PNPDE20091214_221355_000000642085_00101_40736_8355.N1	14-DEC-2009 22:13:55	Twilight	63.500	14	58Alp Ori	0.87000	3000.0	127	40736	No
133	GOM_TRA_1PNPDE20091214_221546_000000472085_00101_40736_8356.N1	14-DEC-2009 22:15:46	Twilight	47.000	13	87Alp Tau	0.86700	3800.0	94	40736	No
134	GOM_TRA_1PNPDE20091214_221806_000000442085_00101_40736_8357.N1	14-DEC-2009 22:18:06	Bright	43.500	176	23Zet Tau	3.0200	22000.	87	40736	No
135	GOM_TRA_1PNPDE20091214_222009_000000442085_00101_40736_8358.N1	14-DEC-2009 22:20:09	Bright	43.500	28	12Bet Tau	1.6500	15200.	87	40736	No
136	GOM_TRA_1PNPDE20091214_222350_000000452085_00101_40736_8359.N1	14-DEC-2009 22:23:50	Bright	45.000	107	37The Aur	2.6490	11000.	90	40736	No
137	GOM_TRA_1PNPDE20091214_222559_000000442085_00101_40736_8360.N1	14-DEC-2009 22:25:59	Bright	44.000	42	34Bet Aur	1.9000	10200.	88	40736	No
138	GOM_TRA_1PNPDE20091214_224100_000000392085_00101_40736_8361.N1	14-DEC-2009 22:41:00	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	40736	No
139	GOM_TRA_1PNPDE20091214_224540_000000452085_00101_40736_8362.N1	14-DEC-2009 22:45:40	Bright	44.500	32	77Eps UMa	1.7630	11000.	89	40736	No
140	GOM_TRA_1PNPDE20091214_224813_000000452085_00101_40736_8363.N1	14-DEC-2009 22:48:13	Bright	44.500	39	85Eta UMa	1.8540	24000.	89	40736	No
141	GOM_TRA_1PNPDE20091214_225131_000000452085_00101_40736_8364.N1	14-DEC-2009 22:51:31	Bright	44.500	180	27Gam Boo	3.0400	8000.0	89	40736	No
142	GOM_TRA_1PNPDE20091214_225443_000000372085_00101_40736_8365.N1	14-DEC-2009 22:54:43	Bright	37.000	83		2.3780	11000.	74	40736	No
143	GOM_TRA_1PNPDE20091214_225800_000000592085_00101_40736_8366.N1	14-DEC-2009 22:58:00	Bright	59.000	111	8Eta Boo	2.6800	6000.0	118	40736	No
144	GOM_TRA_1PNPDE20091214_230153_000000722085_00101_40736_8367.N1	14-DEC-2009 23:01:53	Bright	72.000	138	47Eps Vir	2.8280	4700.0	144	40736	No
145	GOM_TRA_1PNPDE20091214_230750_000000502085_00101_40736_8368.N1	14-DEC-2009 23:07:50	Twilight	50.000	15	67Alp Vir	0.97600	28000.	100	40736	No
146	GOM_TRA_1PNPDE20091214_231120_000000482085_00101_40736_8356.N1	14-DEC-2009 23:11:20	Twilight	47.500	169	46Gam Hya	2.9910	4700.0	95	40736	No
147	GOM_TRA_1PNPDE20091214_231345_000000502085_00101_40736_8357.N1	14-DEC-2009 23:13:45	Dark	50.000	106	9Bet Crv	2.6480	5600.0	100	40736	No
148	GOM_TRA_1PNPDE20091214_231517_000000552085_00101_40736_8358.N1	14-DEC-2009 23:15:17	Dark	55.000	171	2Eps Crv	3.0010	4250.0	110	40736	No
149	GOM_TRA_1PNPDE20091214_231842_000000442085_00101_40736_8359.N1	14-DEC-2009 23:18:42	Dark	44.000	64	Gam Cen	2.2000	10600.	88	40736	No
150	GOM_TRA_1PNPDE20091214_232019_000000412085_00102_40737_8360.N1	14-DEC-2009 23:20:19	Dark	40.500	99	Del Cen	2.5750	26000.	81	40737	No
151	GOM_TRA_1PNPDE20091214_232407_000000452085_00102_40737_8361.N1	14-DEC-2009 23:24:07	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	40737	No
152	GOM_TRA_1PNPDE20091214_232758_000000412085_00102_40737_8362.N1	14-DEC-2009 23:27:58	Dark	40.500	71	lot Car	2.2460	7700.0	81	40737	No
153	GOM_TRA_1PNPDE20091214_233237_000000492085_00102_40737_8363.N1	14-DEC-2009 23:32:37	Dark	49.000	34	Gam2Vel	1.7930	23000.	98	40737	No
154	GOM_TRA_1PNPDE20091214_233449_000000462085_00102_40737_8364.N1	14-DEC-2009 23:34:49	Dark	45.500	2	Alp Car	-0.73600	7000.0	91	40737	No
155	GOM_TRA_1PNPDE20091214_233730_000000532085_00102_40737_8365.N1	14-DEC-2009 23:37:30	Dark	53.000	117	Pi Pup	2.7060	3800.0	106	40737	No
156	GOM_TRA_1PNPDE20091214_234048_000000542085_00102_40737_8366.N1	14-DEC-2009 23:40:48	Straylight	54.000	23	21Eps CMa	1.5020	26000.	108	40737	No
157	GOM_TRA_1PNPDE20091214_234526_000000492085_00102_40737_8367.N1	14-DEC-2009 23:45:26	Straylight	49.000	47	2Bet CMa	1.9760	28000.	98	40737	No
158	GOM_TRA_1PNPDE20091214_234900_000000512085_00102_40737_8368.N1	14-DEC-2009 23:49:00	Straylight	50.500	7	19Bet Ori	0.10000	14000.	101	40737	No
159	GOM_TRA_1PNPDE20091214_235117_000000472085_00102_40737_8369.N1	14-DEC-2009 23:51:17	Straylight	46.500	30	46Eps Ori	1.6940	30000.	93	40737	No
160	GOM_TRA_1PNPDE20091214_235431_000000682085_00102_40737_8370.N1	14-DEC-2009 23:54:31	Twilight	68.000	14	58Alp Ori	0.87000	3000.0	136	40737	No
161	GOM_TRA_1PNPDE20091214_235622_000000502085_00102_40737_8371.N1	14-DEC-2009 23:56:22	Twilight	49.500	13	87Alp Tau	0.86700	3800.0	99	40737	No
162	GOM_TRA_1PNPDE20091214_235842_000000452085_00102_40737_8372.N1	14-DEC-2009 23:58:42	Bright	45.000	176	23Zet Tau	3.0200	22000.	90	40737	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).

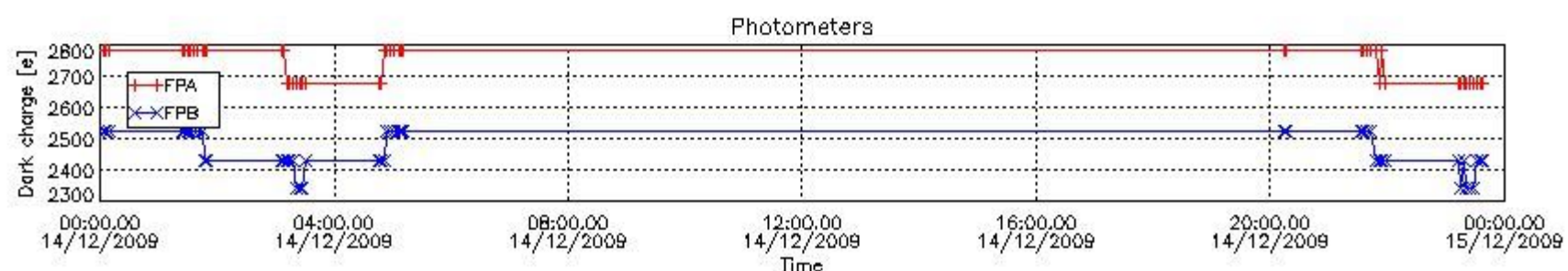
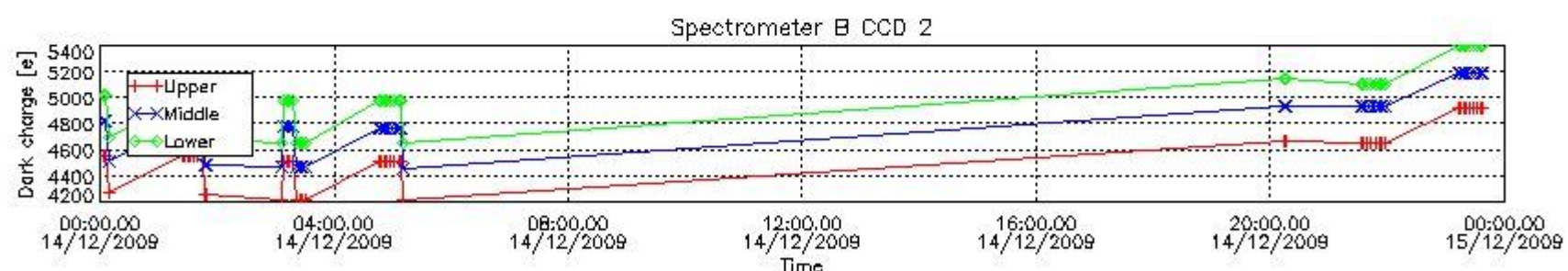
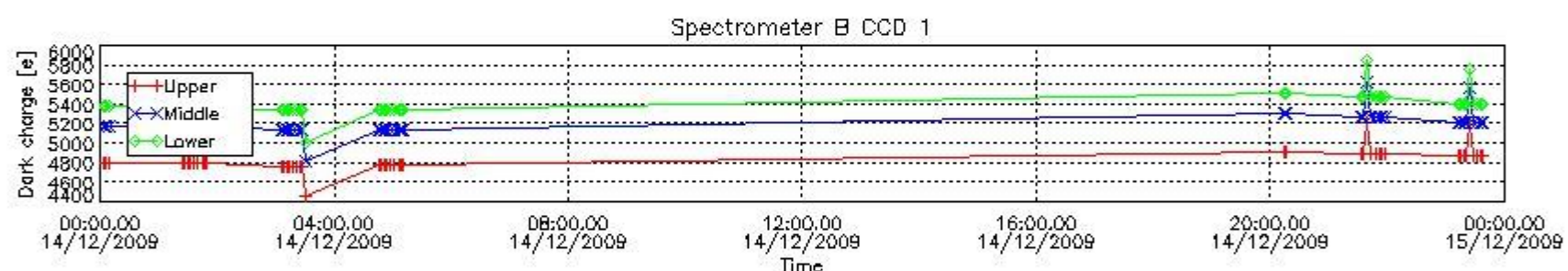
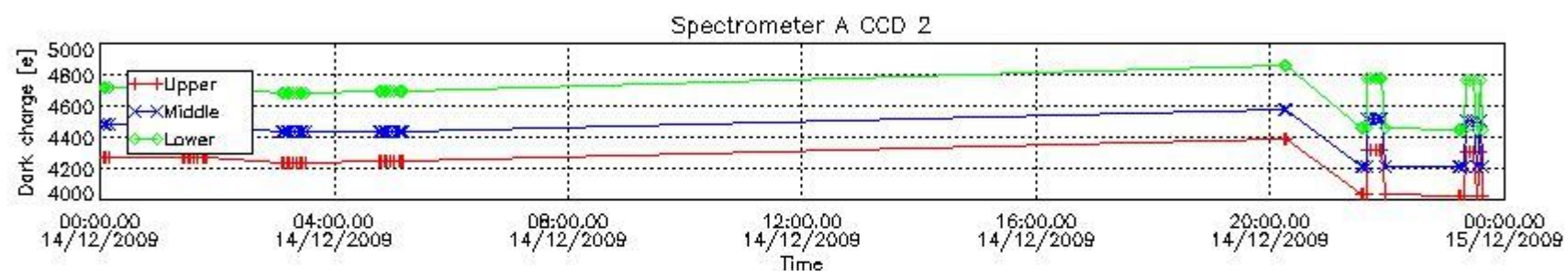
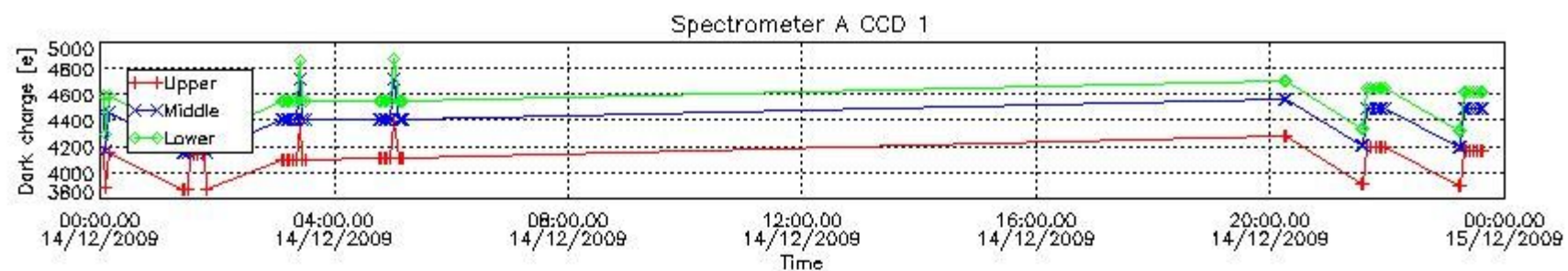
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20091214_201337_000000522085_00100_40735_8322.N1	DC map used
GOM_TRA_1PNPDE20091214_201617_000000562085_00100_40735_8323.N1	DC map used
GOM_TRA_1PNPDE20091214_201935_000000552085_00100_40735_8324.N1	DC map used
GOM_TRA_1PNPDE20091214_202414_000000552085_00100_40735_8325.N1	DC map used
GOM_TRA_1PNPDE20091214_202748_000000492085_00100_40735_8326.N1	DC map used
GOM_TRA_1PNPDE20091214_203006_000000492085_00100_40735_8327.N1	DC map used
GOM_TRA_1PNPDE20091214_203320_000000682085_00100_40735_8328.N1	DC map used
GOM_TRA_1PNPDE20091214_203511_000000542085_00100_40735_8329.N1	DC map used
GOM_TRA_1PNPDE20091214_203731_000000442085_00100_40735_8330.N1	DC map used
GOM_TRA_1PNPDE20091214_203934_000000452085_00100_40735_8331.N1	DC map used
GOM_TRA_1PNPDE20091214_204314_000000672085_00100_40735_8332.N1	DC map used
GOM_TRA_1PNPDE20091214_204523_000000452085_00100_40735_8333.N1	DC map used
GOM_TRA_1PNPDE20091214_210024_000000372085_00100_40735_8334.N1	DC map used
GOM_TRA_1PNPDE20091214_210505_000000462085_00100_40735_8335.N1	DC map used

GOM_TRA_1PNPDE20091214_210737_000000452085_00100_40735_8336.N1	DC map used
GOM_TRA_1PNPDE20091214_211056_000000472085_00100_40735_8337.N1	DC map used
GOM_TRA_1PNPDE20091214_211407_000000412085_00100_40735_8338.N1	DC map used
GOM_TRA_1PNPDE20091214_211724_000000592085_00100_40735_8339.N1	DC map used
GOM_TRA_1PNPDE20091214_212117_000000722085_00100_40735_8340.N1	DC map used

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



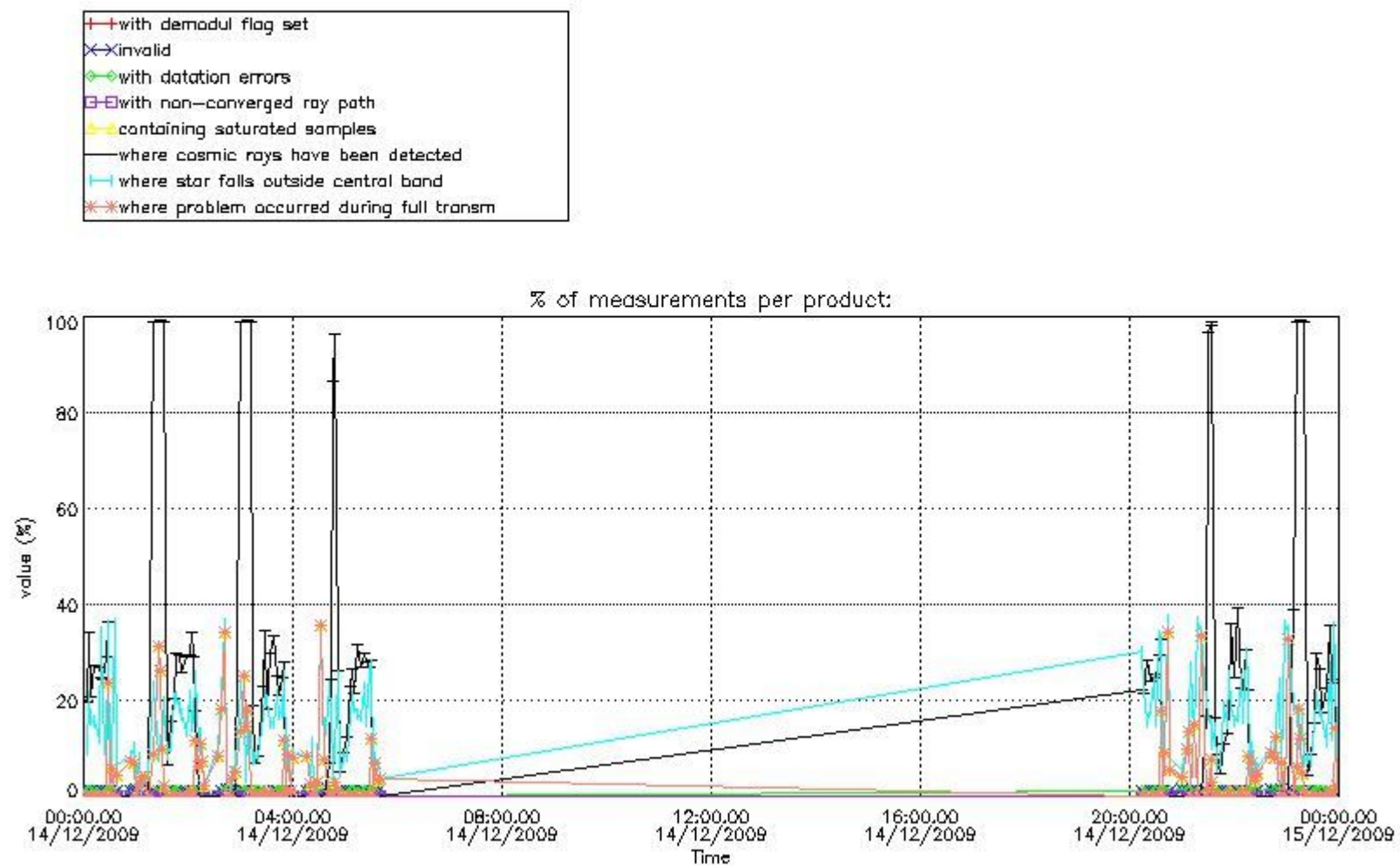
5. Demodulation flag and quality information monitoring

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.

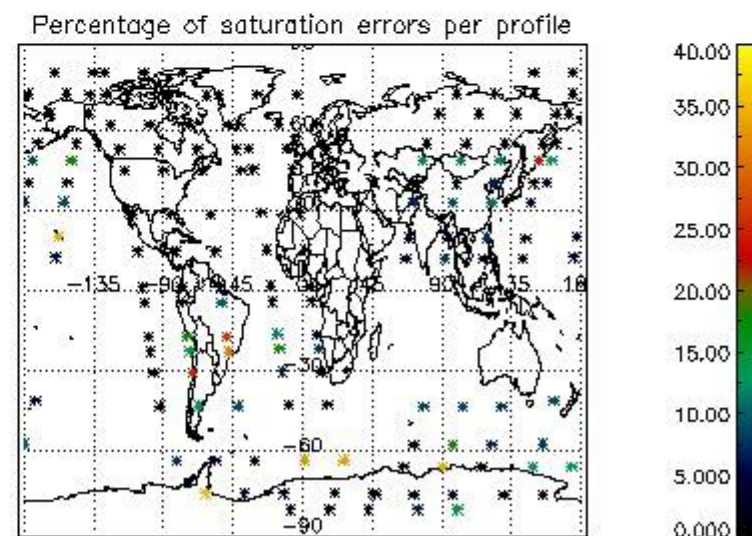
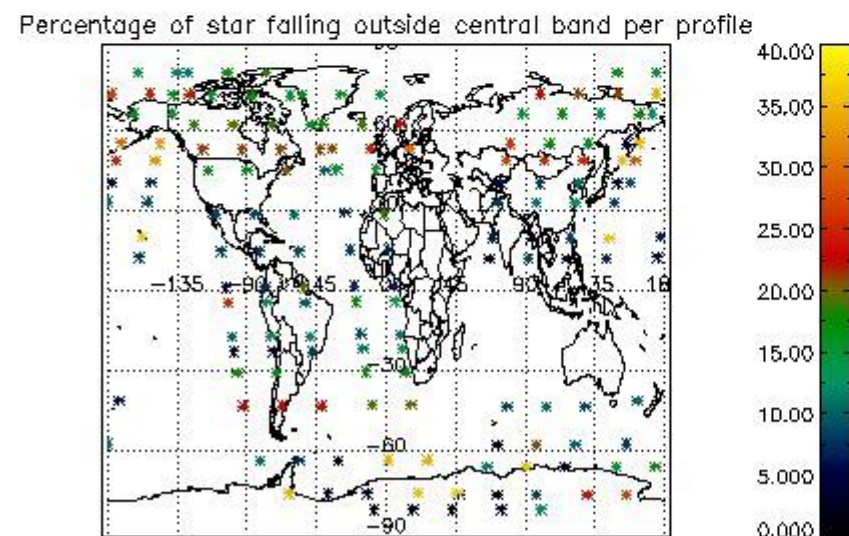
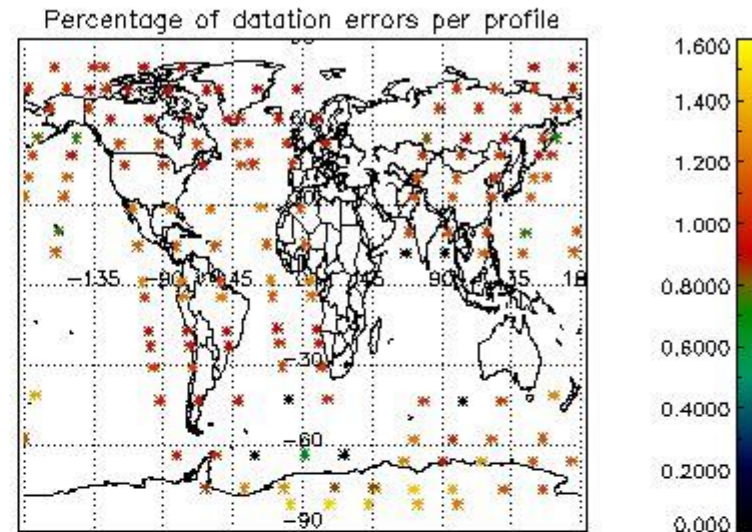
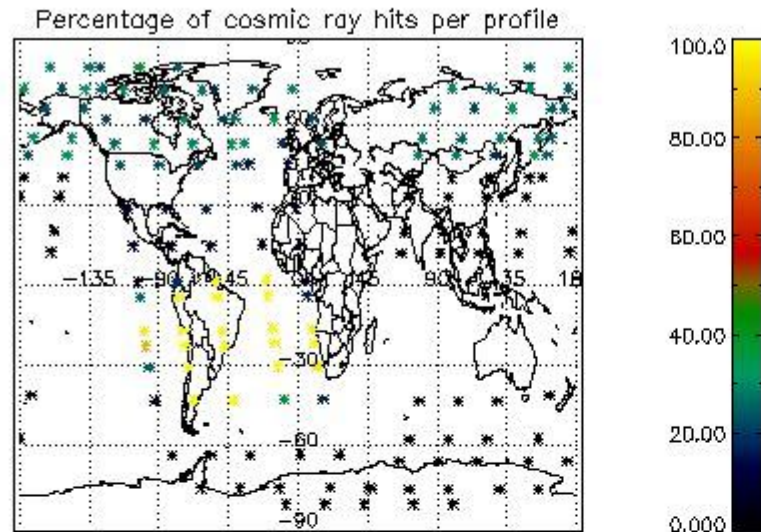
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	53.4161 %
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)



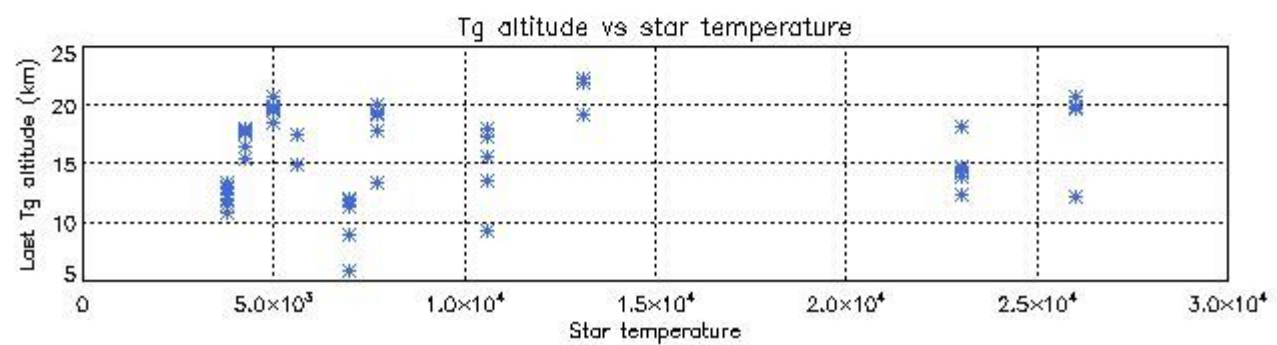
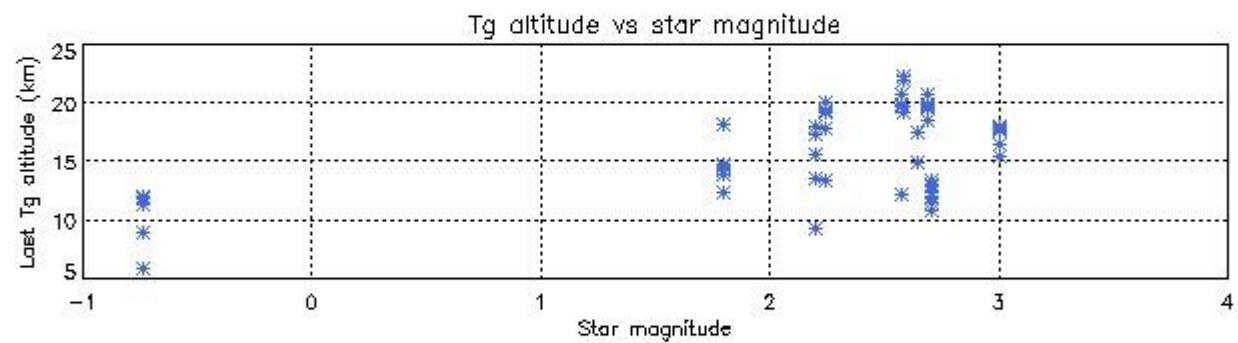
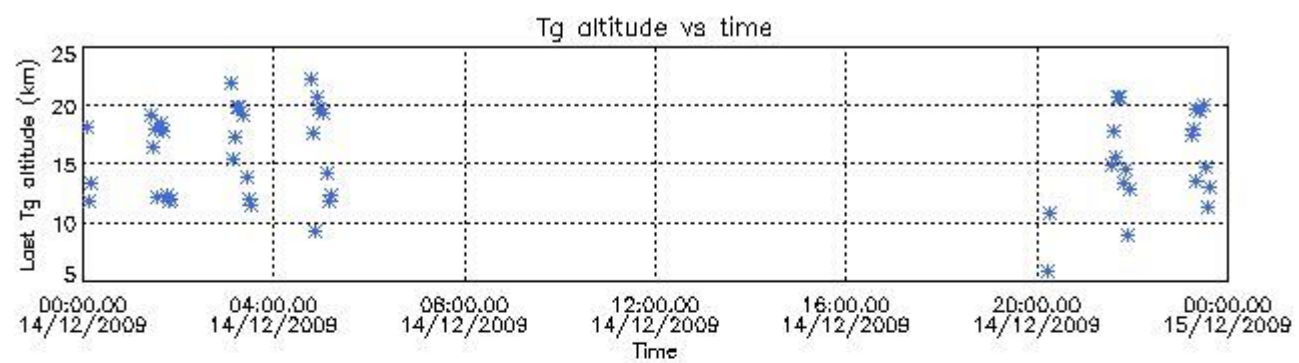
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.673	17.573	13.086
St. deviation:	3.8467	6.3268	0.60123
Maximum:	22.204	26.885	13.882
Minimum:	5.8900	3.7631	12.432
Number of data:	50.000	60.000	4.0000

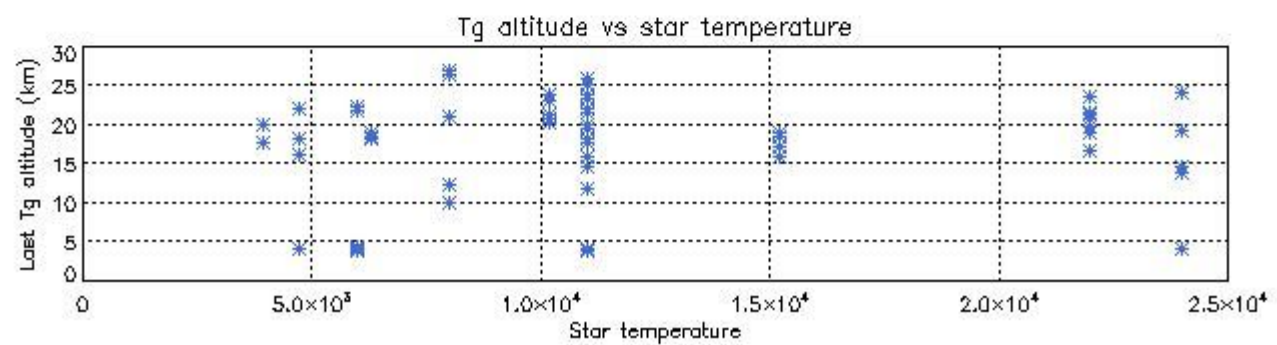
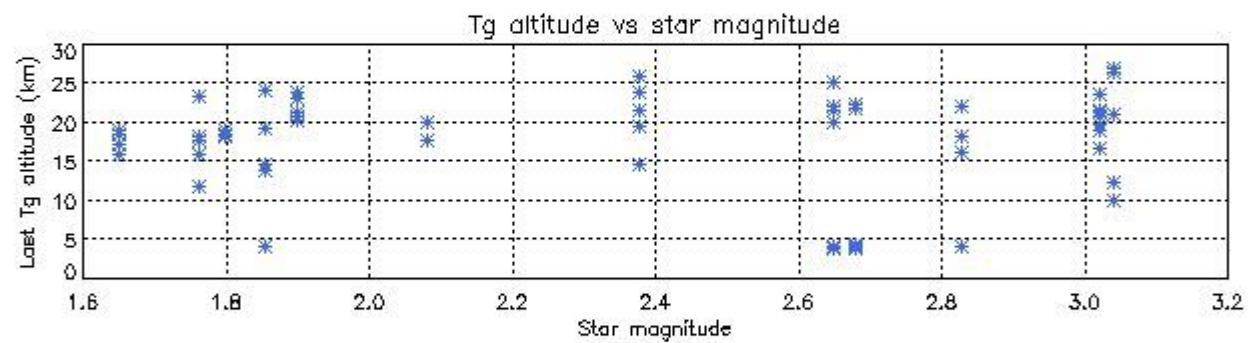
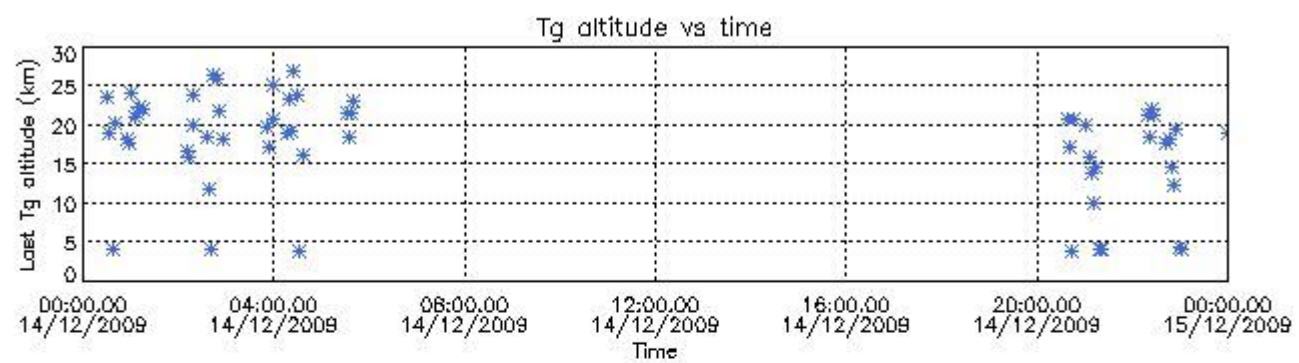
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



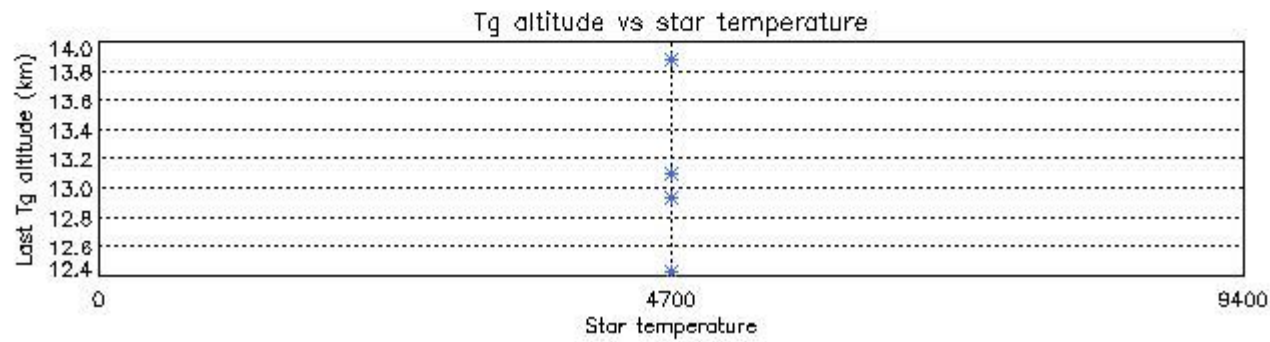
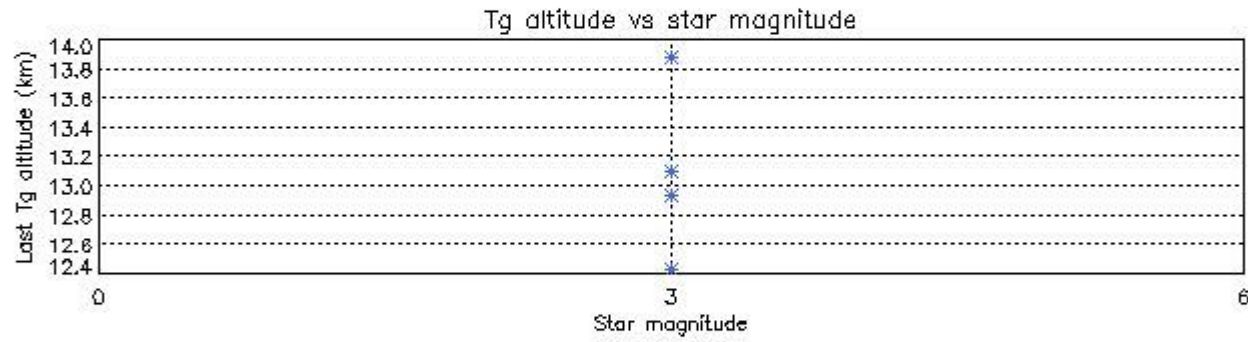
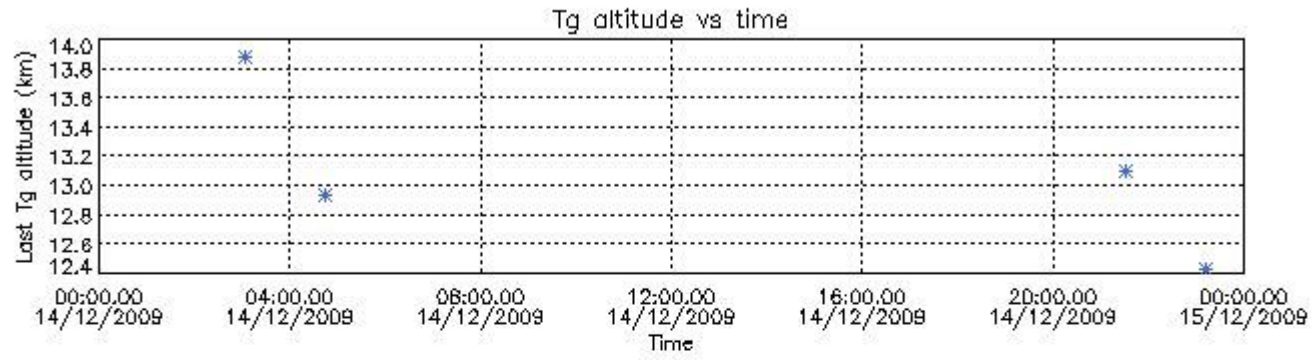
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

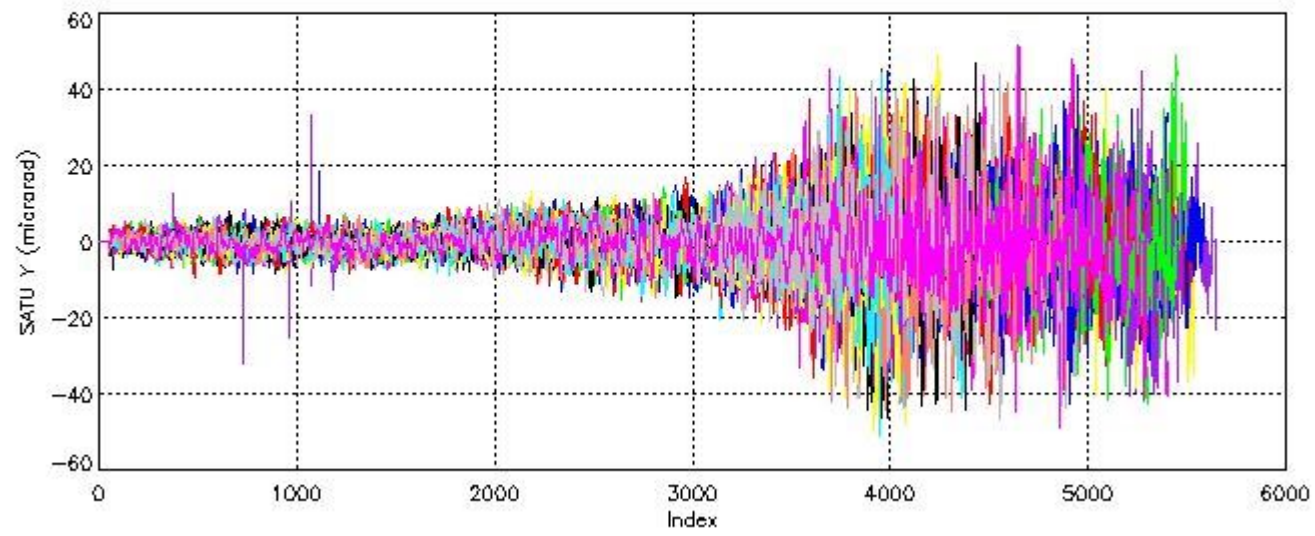
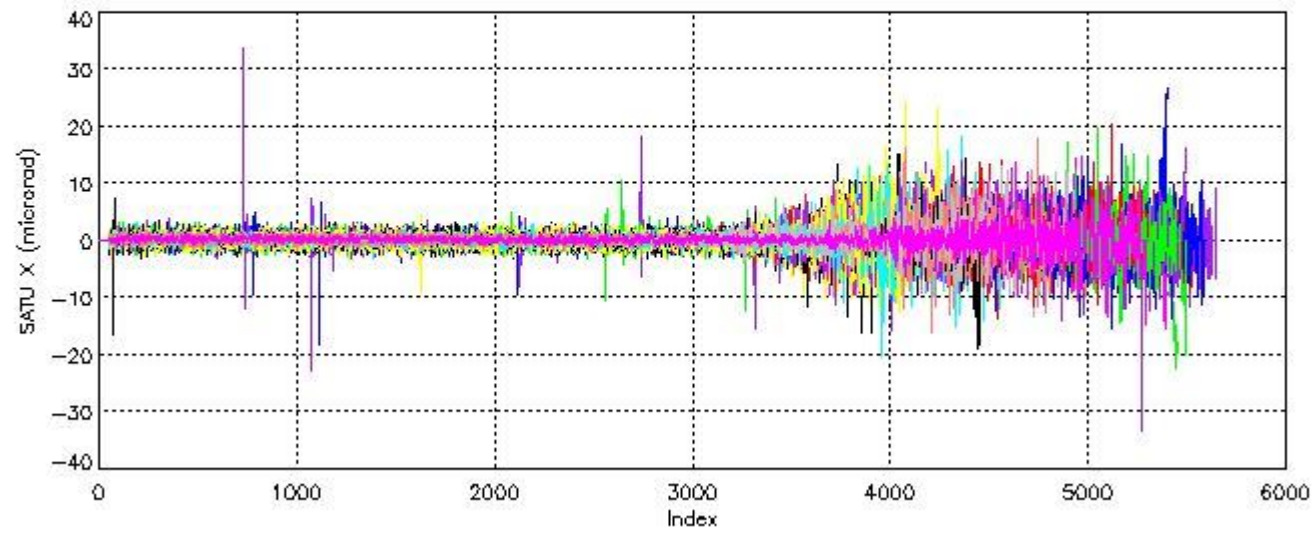


7. Star Acquisition and Tracking Unit (SATU)

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:	0.21167	-0.15267	0.19530	-0.23117
St. deviation:	0.57585	1.7914	0.86671	2.1687
Maximum:	33.800	33.100	6.2000	10.700
Minimum:	-22.900	-32.300	-6.2000	-11.300

Number of data:	51850.	51850.	60350.	60350.
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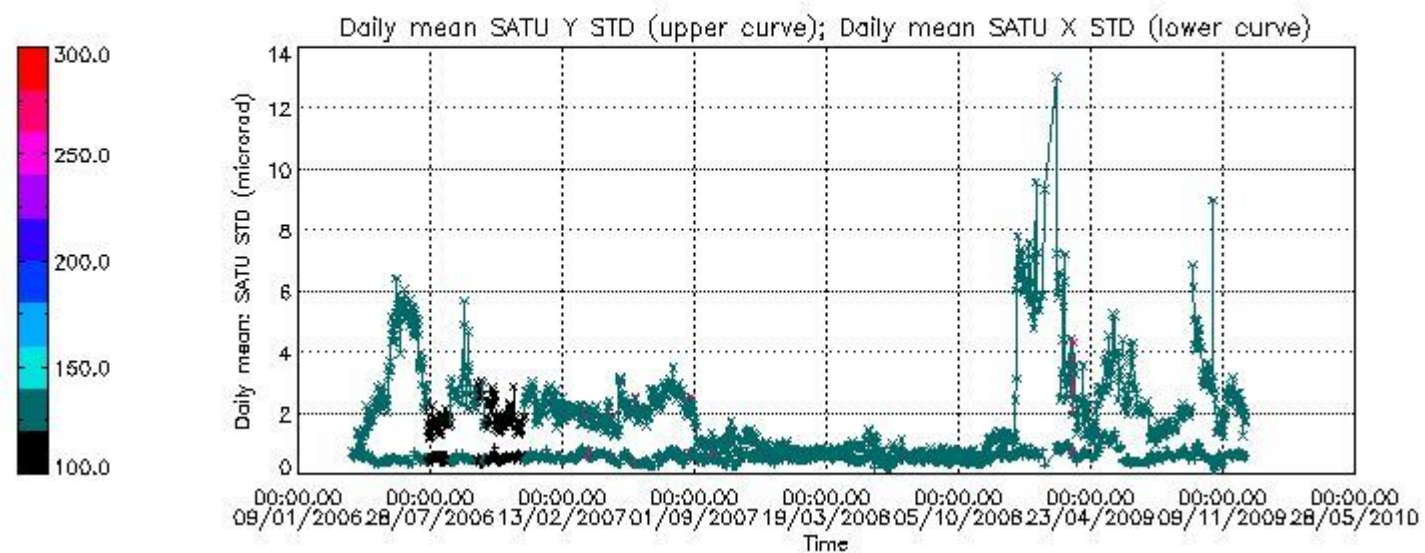
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

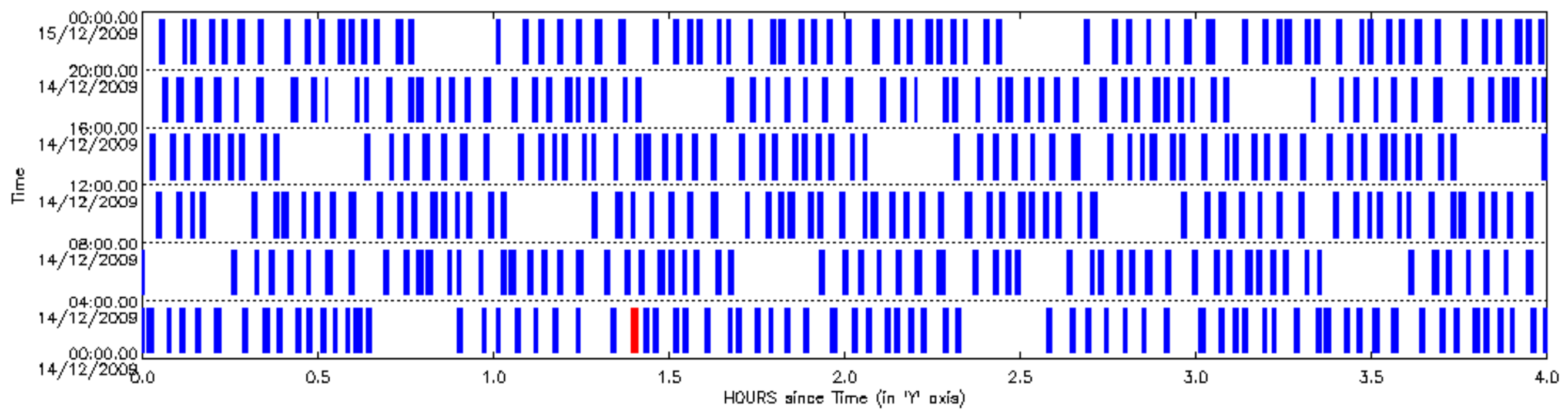
Lower curve: STD of SATU X axis

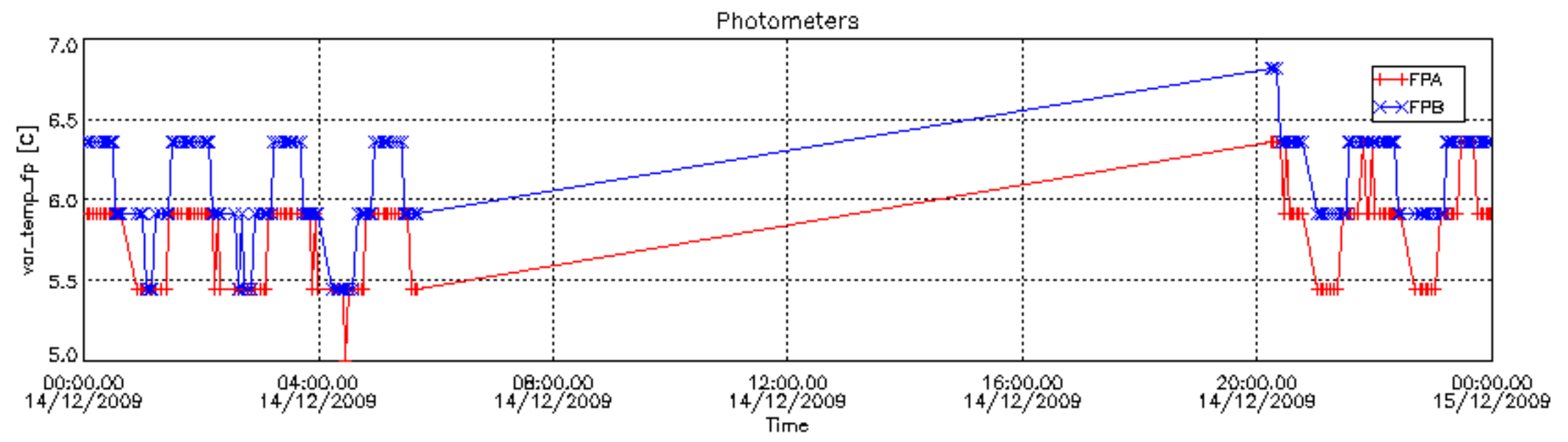
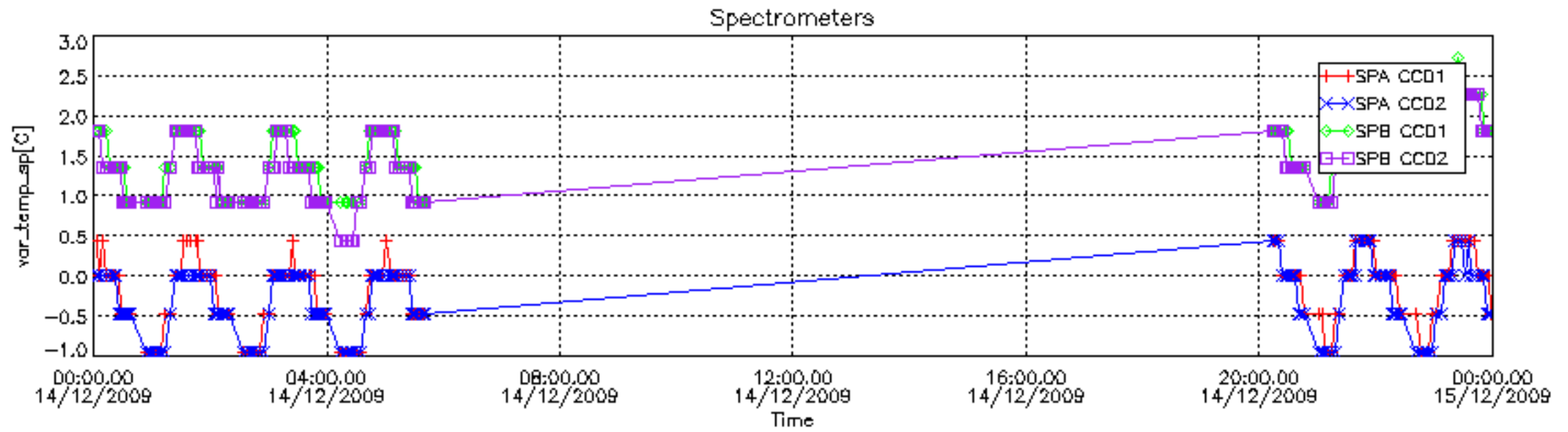


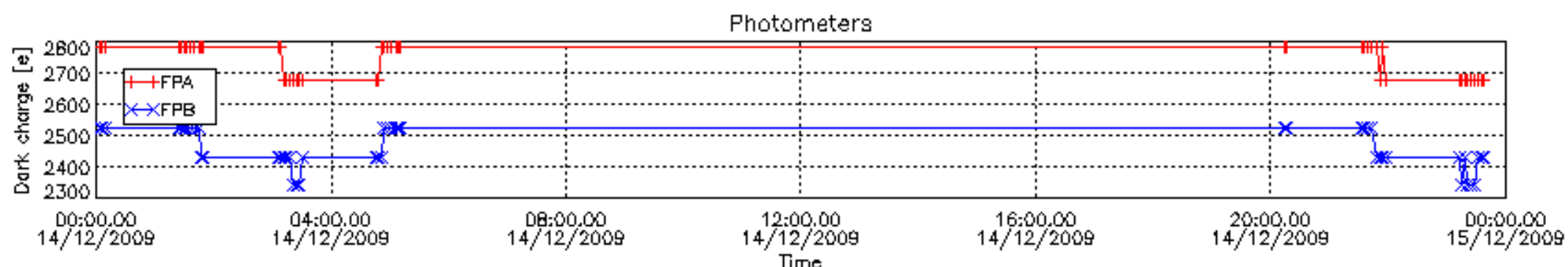
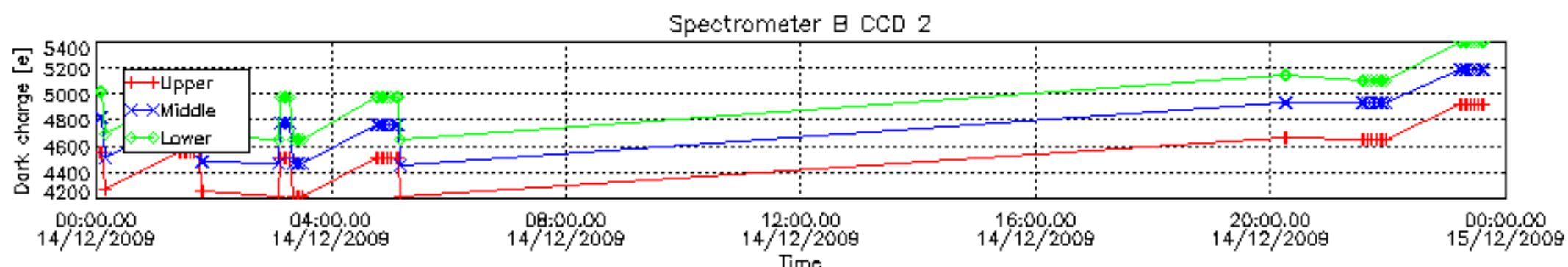
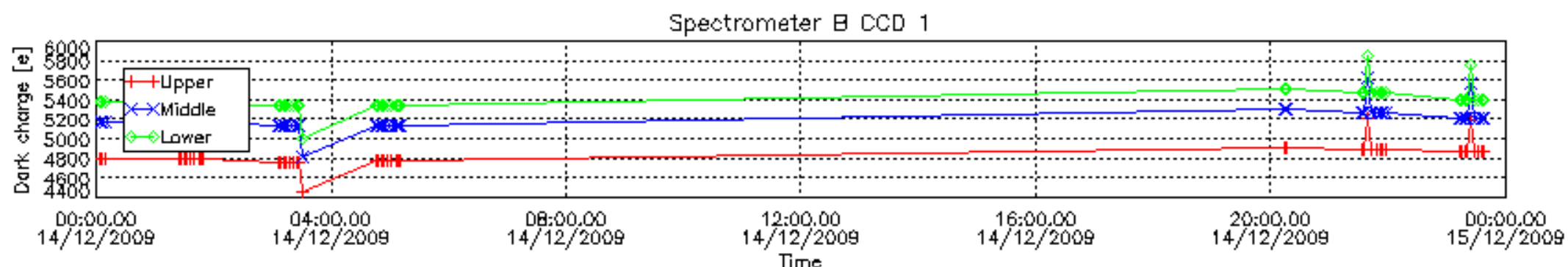
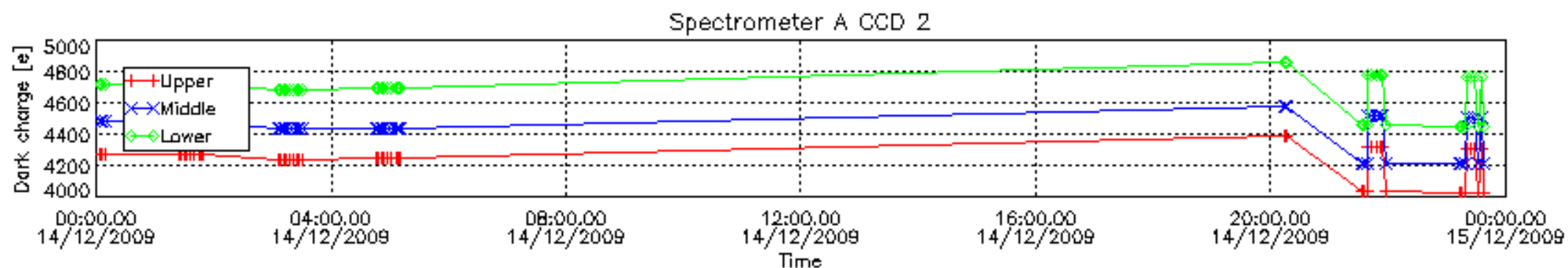
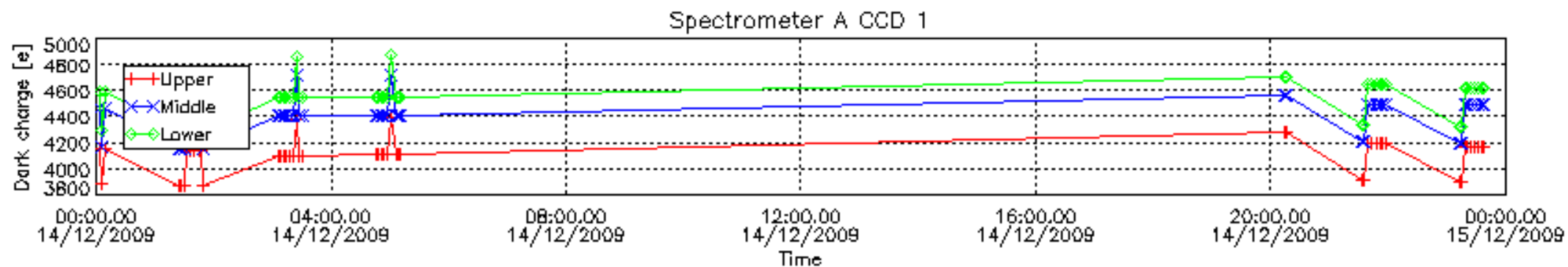
8. Auxiliary Data Files used for the production reported in section 2.4

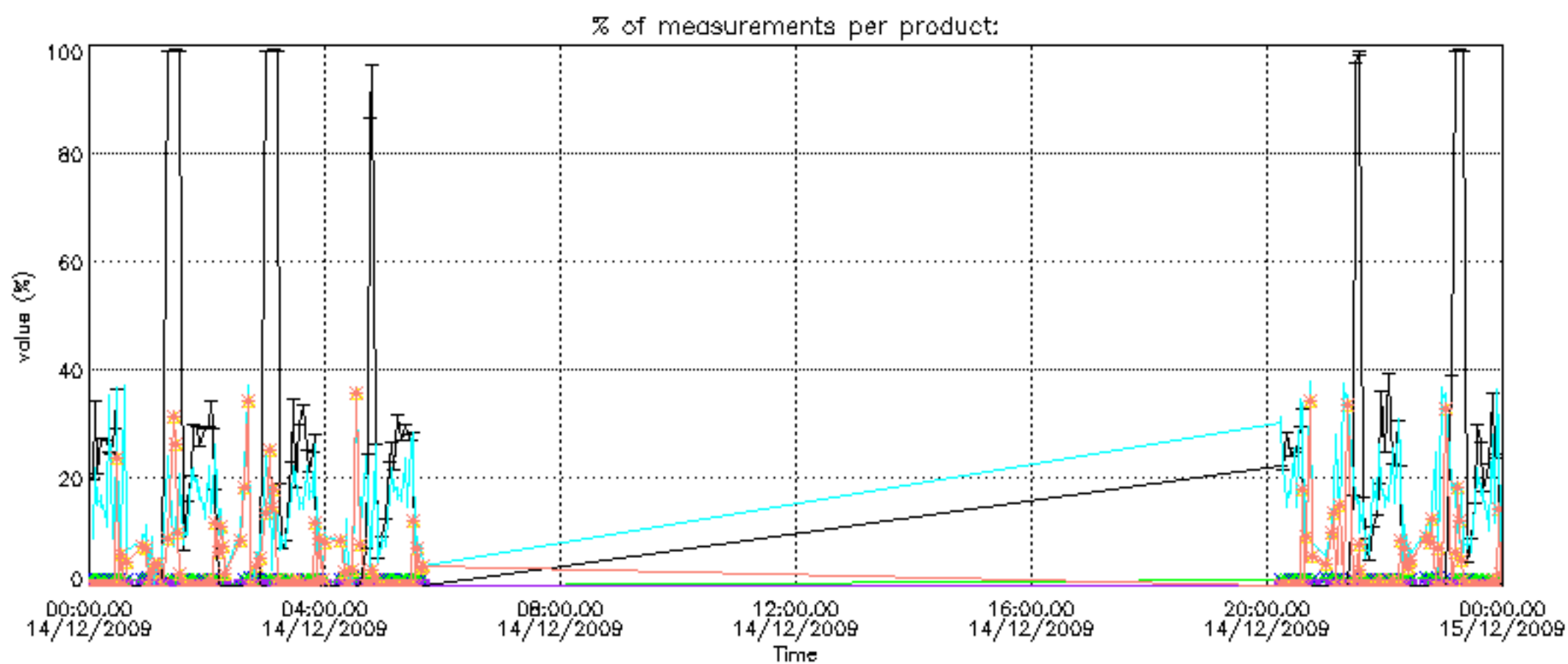
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	14-DEC-2009 00:04:03
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091207_160509_20091205_000000_20500101_000000	1	14-DEC-2009 00:04:03
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091214_085046_20091212_000000_20500101_000000	98	14-DEC-2009 20:13:37
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	14-DEC-2009 00:04:03
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	14-DEC-2009 00:04:03
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	14-DEC-2009 00:04:03
ECMWF_FILE	AUX_ECF_AXNECM20091213_064111_20091213_210000_20091214_090000	1	14-DEC-2009 00:04:03
ECMWF_FILE	AUX_ECA_AXNECM20091214_062112_20091213_210000_20091214_090000	43	14-DEC-2009 02:38:32
ECMWF_FILE	AUX_ECF_AXNECM20091214_064112_20091214_150000_20091215_030000	98	14-DEC-2009 20:13:37
ECMWF_FILE	AUX_ECF_AXNECM20091214_064113_20091214_210000_20091215_090000	117	14-DEC-2009 21:27:14
OPTIONAL_ECMWF_FILE	MISSING	1	14-DEC-2009 00:04:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091213_233739_000057382085_00087_40722_9353.N1	1	14-DEC-2009 00:04:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091214_011836_000041442085_00088_40723_9354.N1	22	14-DEC-2009 01:19:54
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091214_023259_000054192085_00089_40724_9355.N1	43	14-DEC-2009 02:38:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091214_040837_000057382085_00090_40725_9356.N1	70	14-DEC-2009 04:15:02
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091214_201018_000041442085_00100_40735_9357.N1	98	14-DEC-2009 20:13:37
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091214_212441_000057382085_00100_40735_9358.N1	117	14-DEC-2009 21:27:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091214_230538_000057382085_00101_40736_9359.N1	146	14-DEC-2009 23:11:20

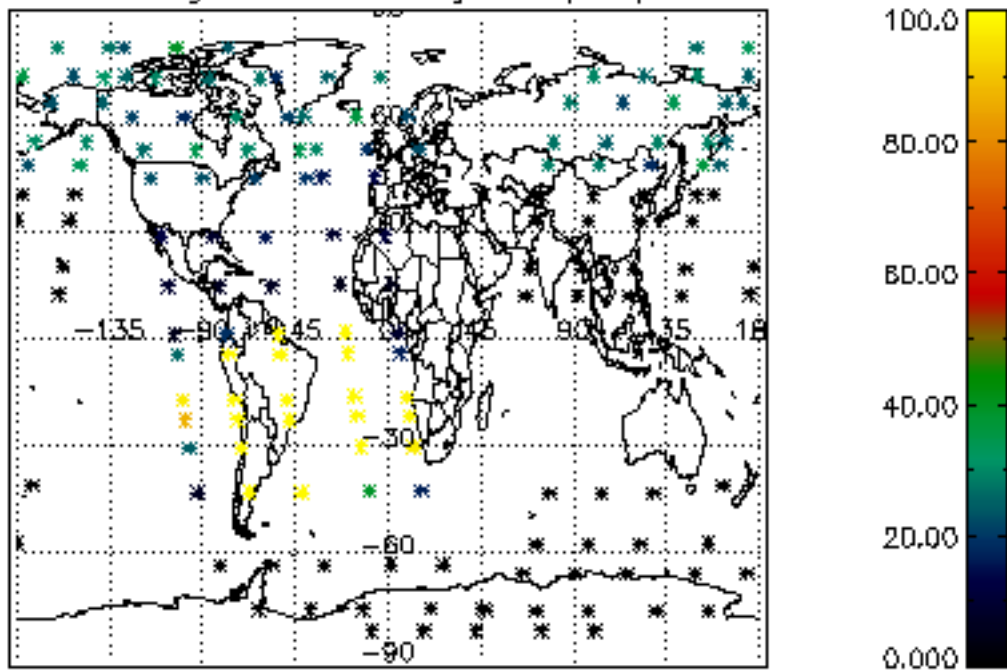




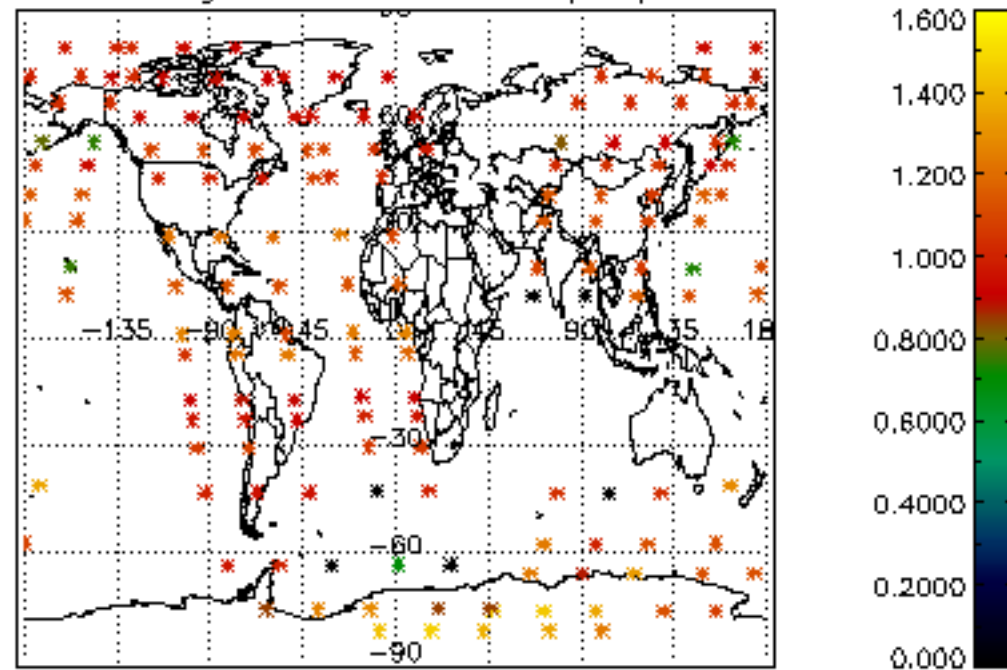




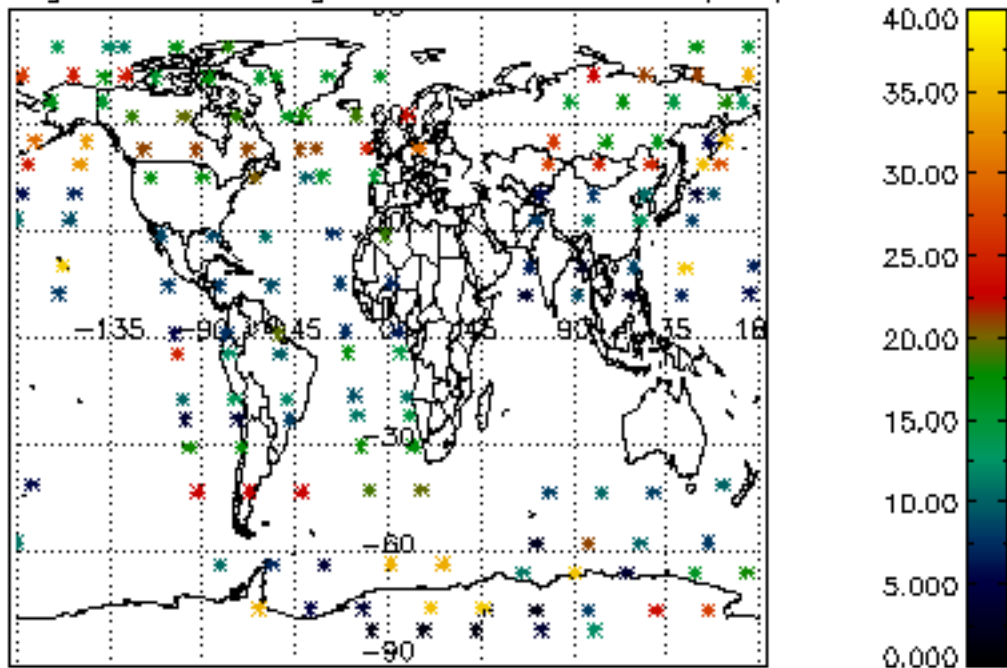
Percentage of cosmic ray hits per profile



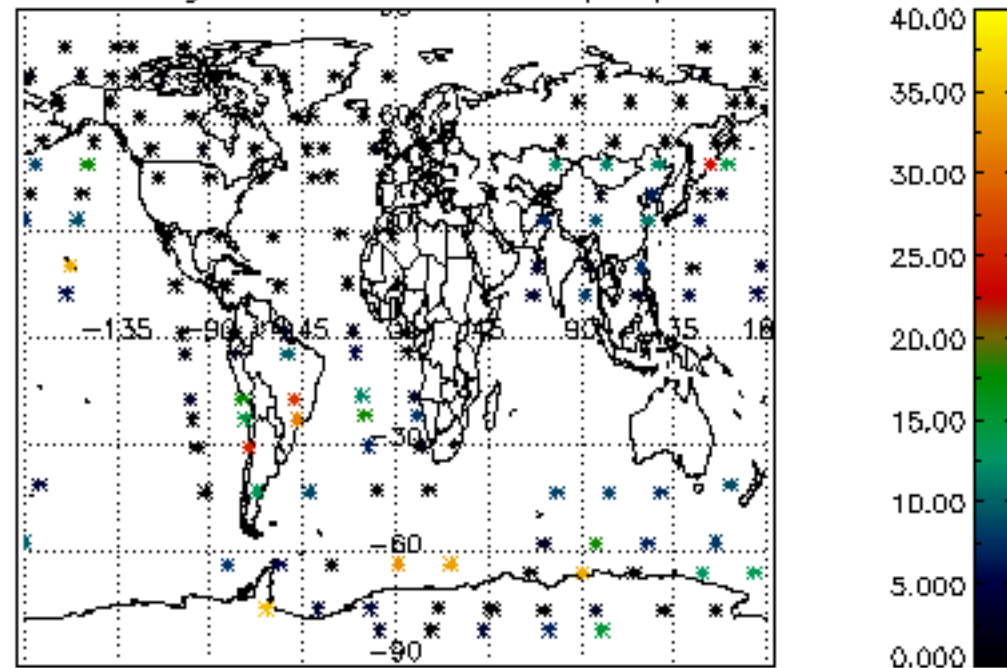
Percentage of datation errors per profile



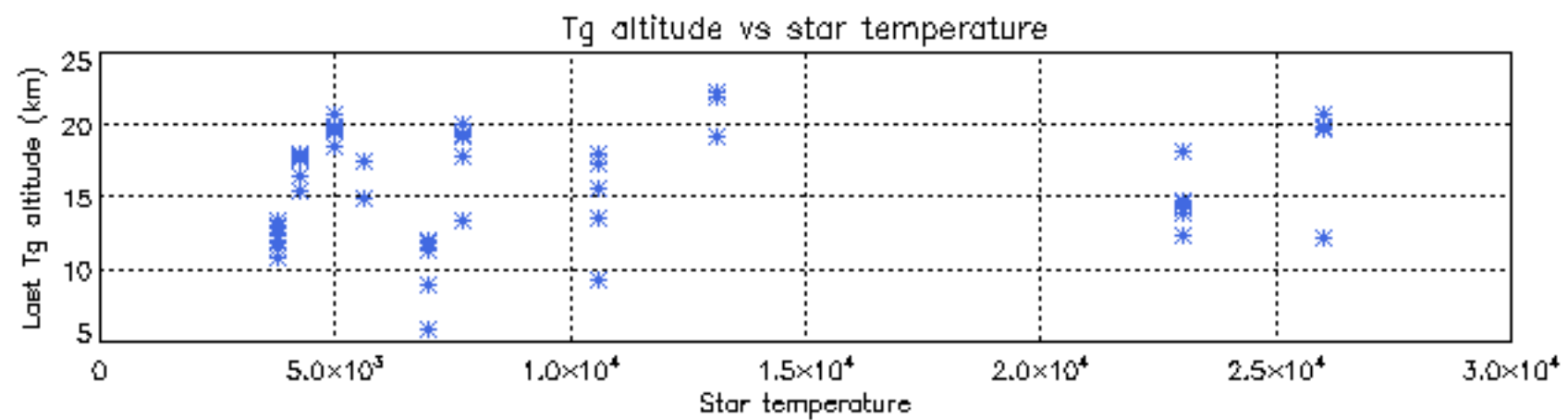
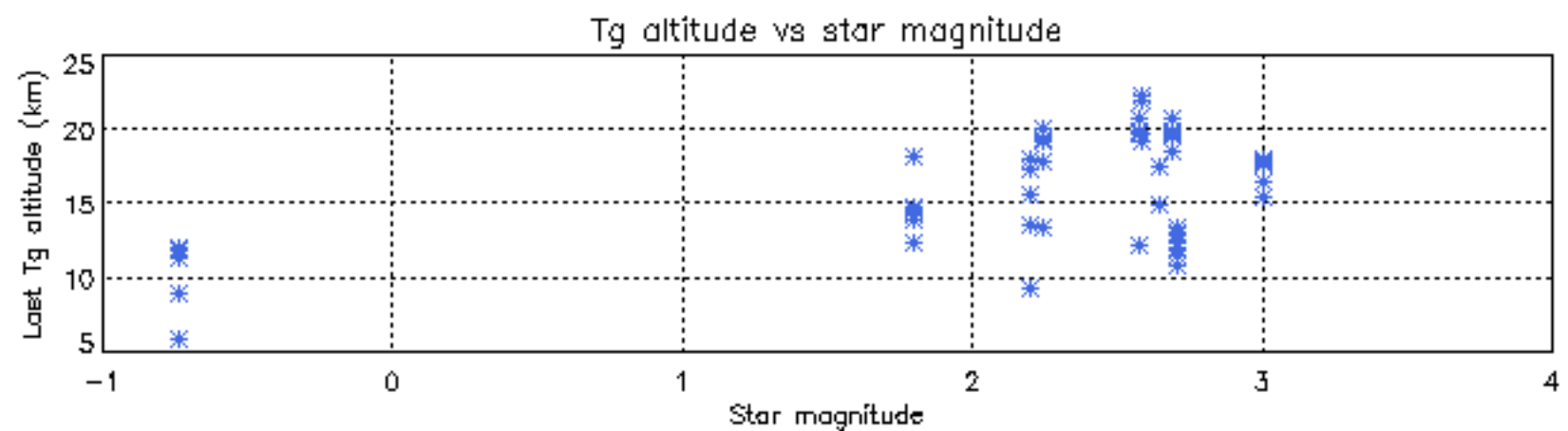
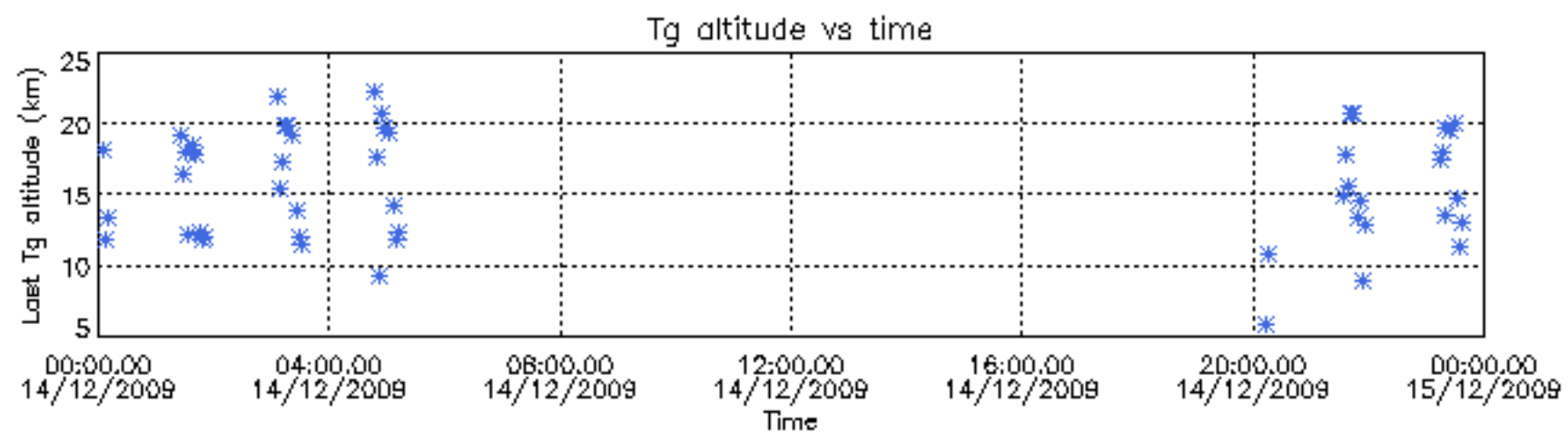
Percentage of star falling outside central band per profile



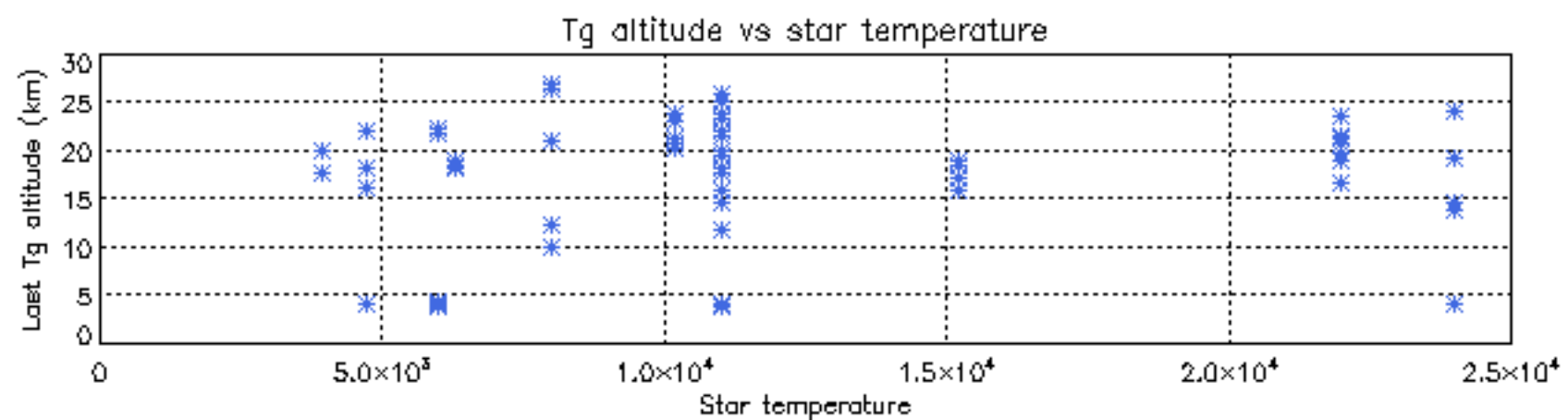
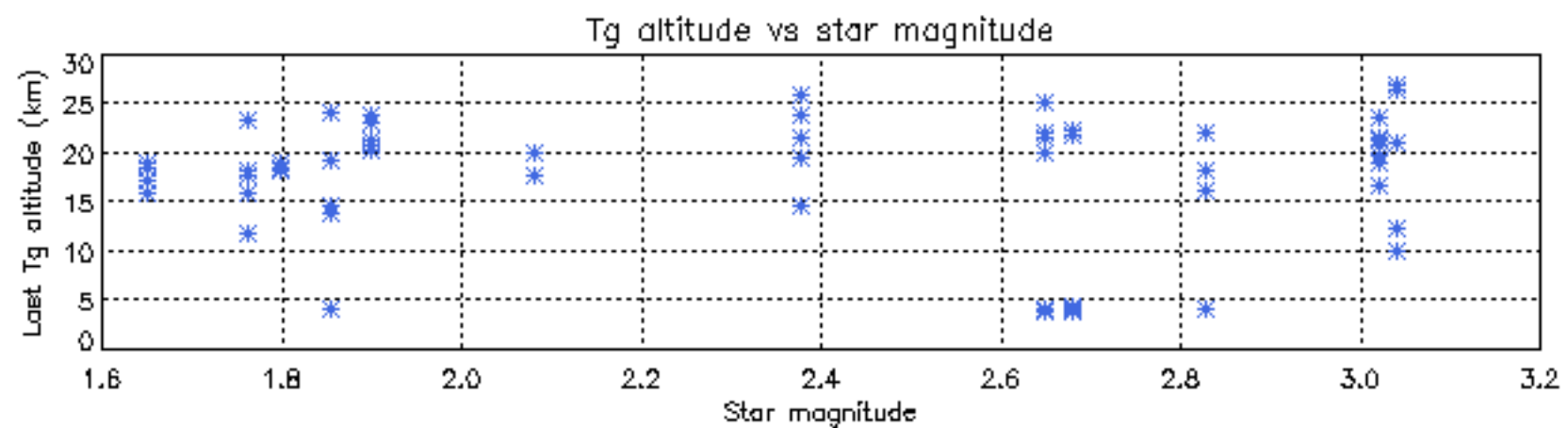
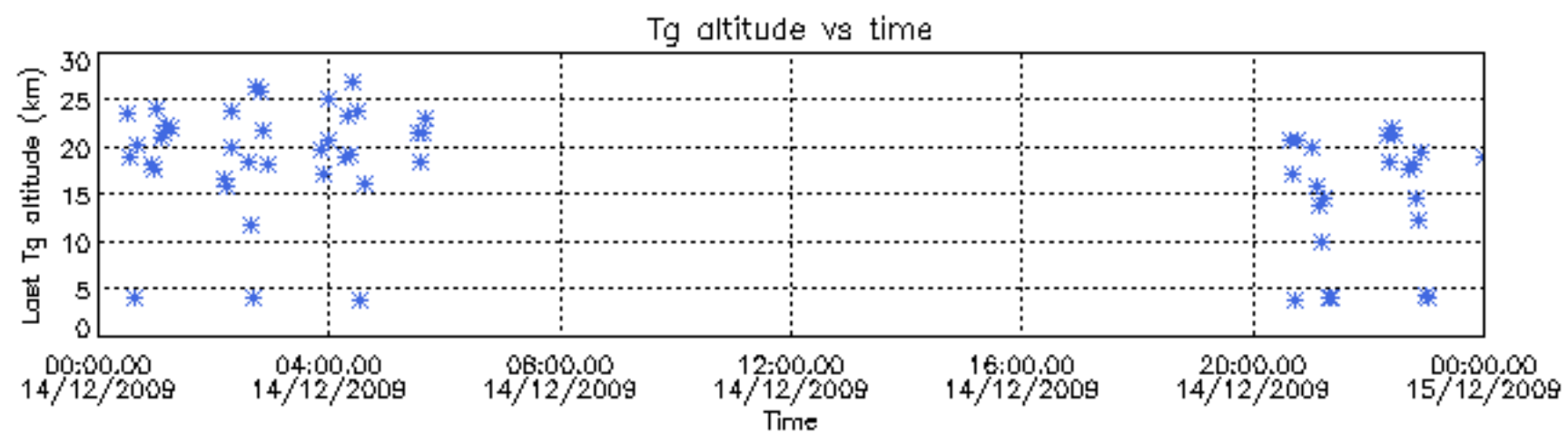
Percentage of saturation errors per profile



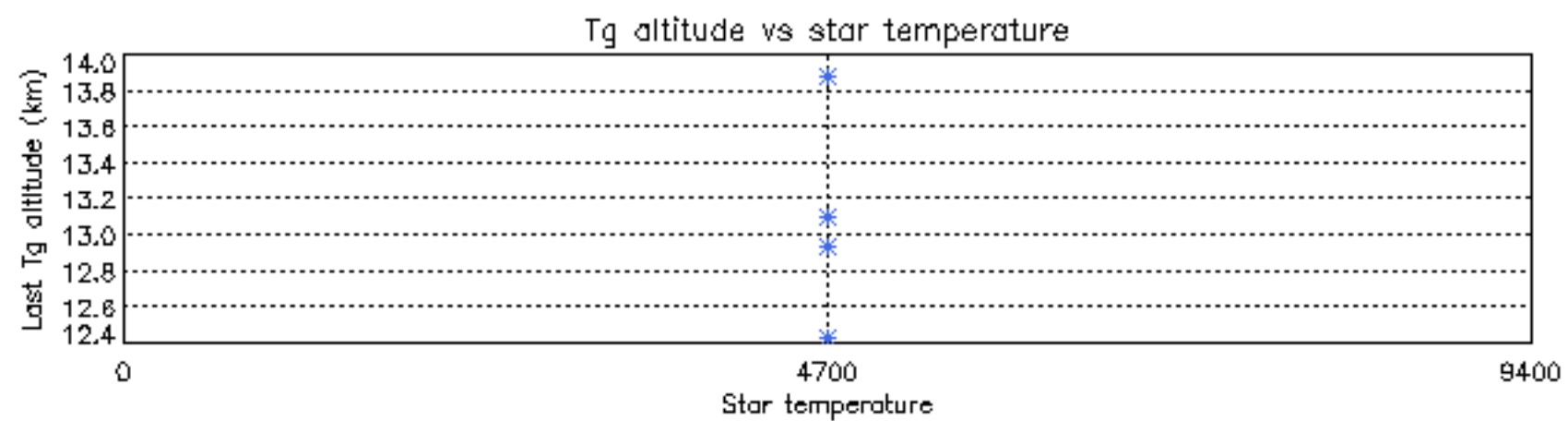
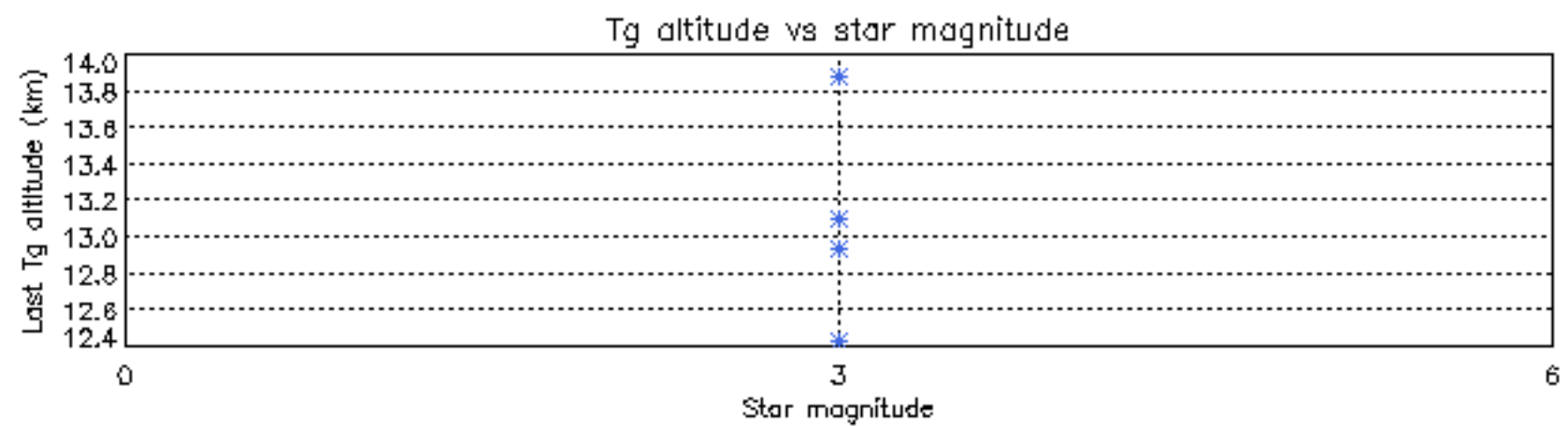
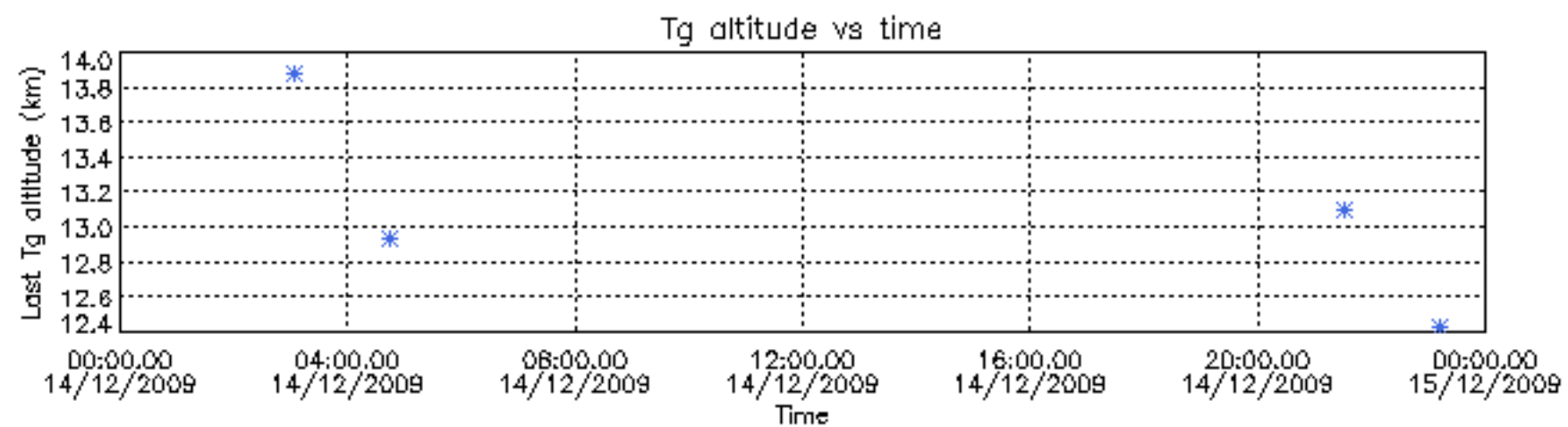
Tangent altitude at which the star is lost

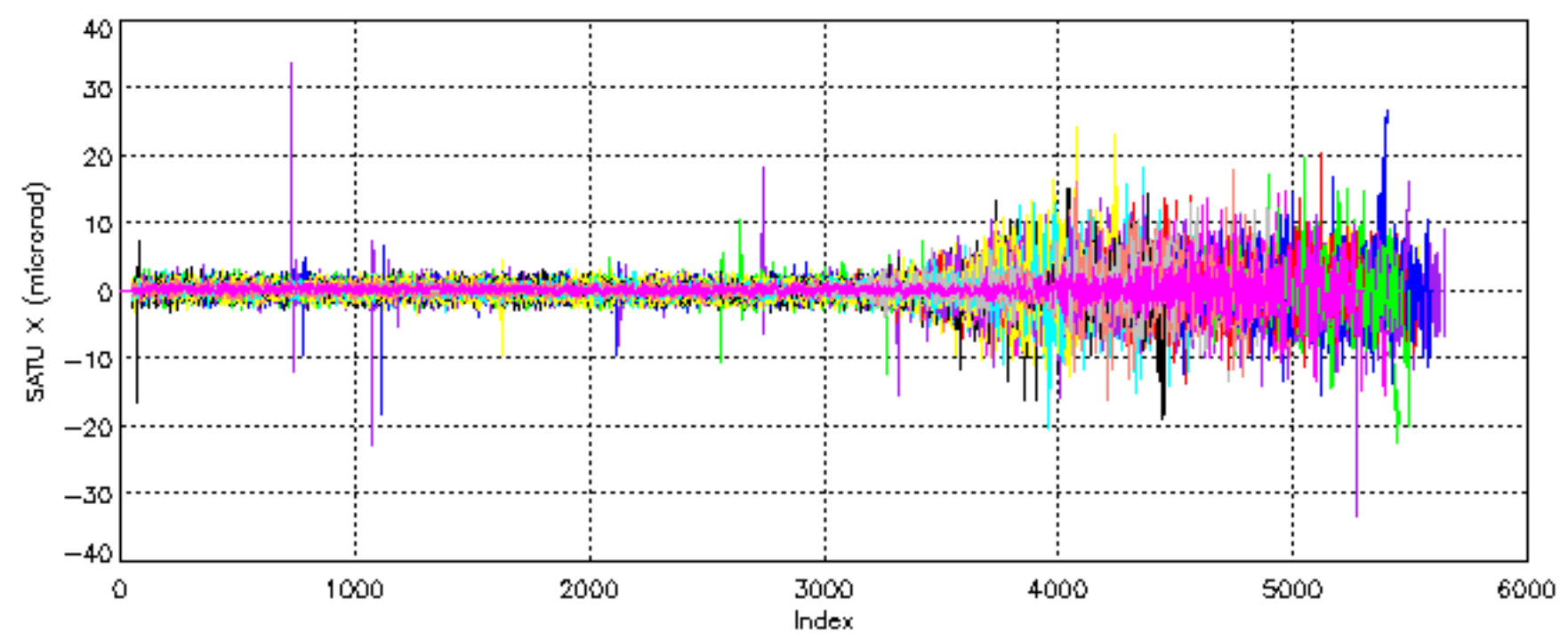


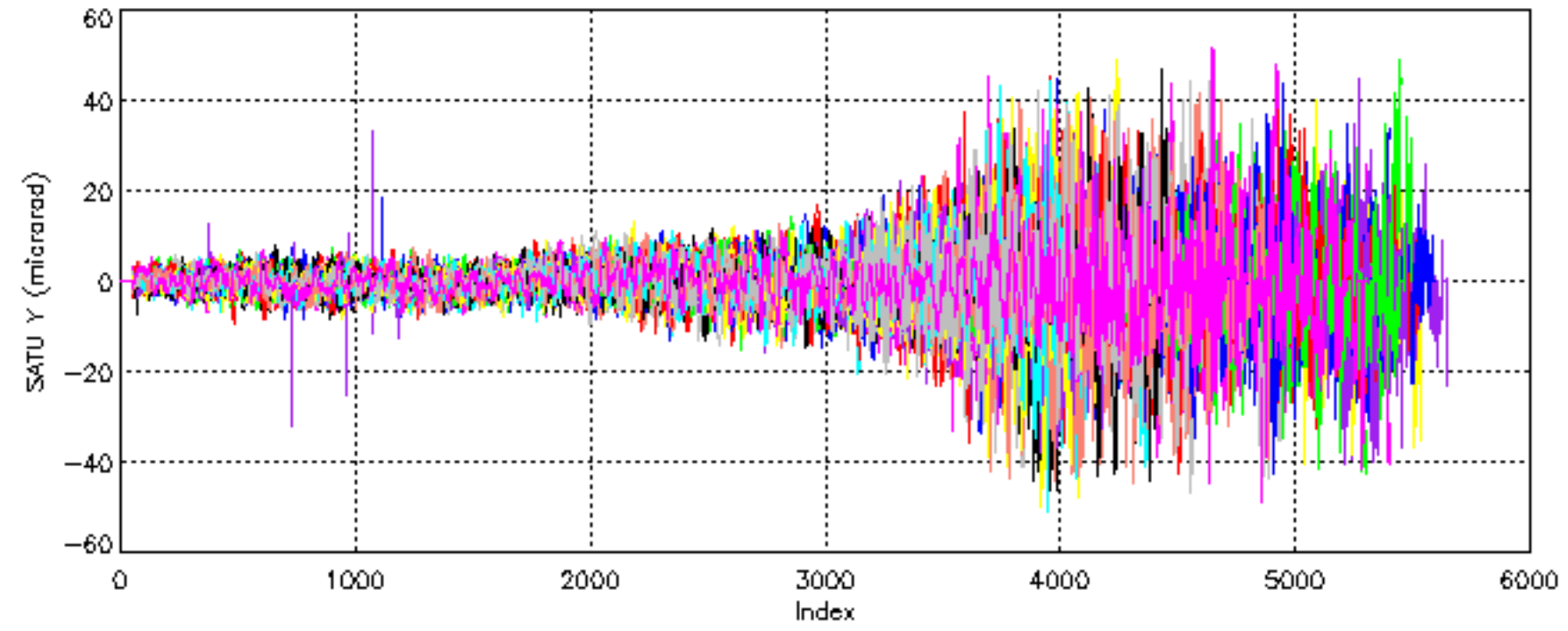
Tangent altitude at which the star is lost

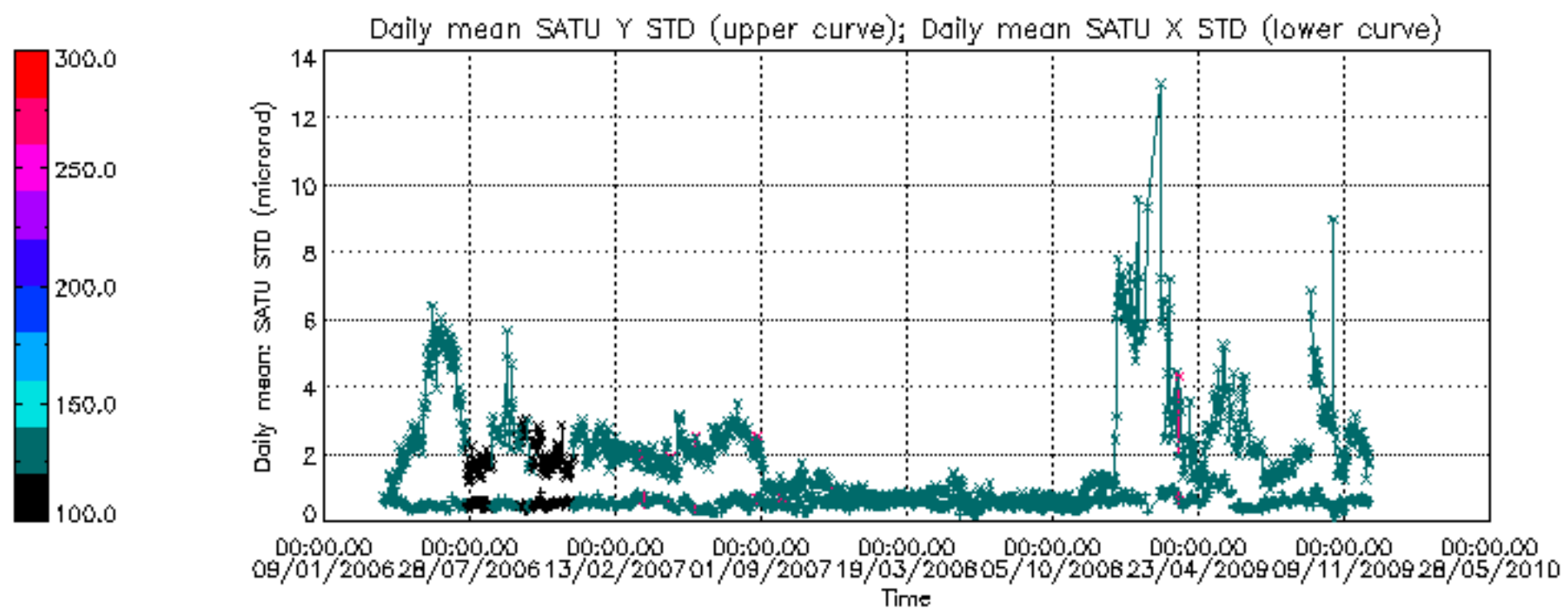


Tangent altitude at which the star is lost









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 17; 2847.4; 01-DEC-2009 02:28:08; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;40538
 18; 2957.0; 01-DEC-2009 02:29:58; Bright; 51.0; 42; 34Bet Aur ; 1.90; 10200;occ; 102; 0;40538
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15; 4899.7; 07-DEC-2009 13:17:25; Bright; 58.0; 138; 47Eps Vir ; 2.83; 4700;occ; 116; 0;40630
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29; 7563.9; 11-DEC-2009 11:55:22; Dark ; 34.5; 47; 2Bet CMa ; 1.98; 28000;occ; 69; 0;40686

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19; 5703.8; 11-DEC-2009 14:45:33; Dark ; 58.5; 171; 2Eps Crv ; 3.00; 4250;occ; 117; 0;40688
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 27; 6921.1; 12-DEC-2009 16:14:50; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;40703
 28; 7076.1; 12-DEC-2009 16:17:25; Dark ; 53.5; 117; Pi Pup ; 2.71; 3800;occ; 107; 0;40703
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 23; 6042.9; 12-DEC-2009 17:40:47; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40704
 24; 6263.9; 12-DEC-2009 17:44:28; Dark ; 42.0; 113; Mu Vel ; 2.69; 5000;occ; 84; 0;40704
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 19; 4940.2; 12-DEC-2009 20:43:37; Bright; 53.5; 138; 47Eps Vir ; 2.83; 4700;occ; 107; 0;40706

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26; 4139.7; 12-DEC-2009 22:10:52; Bright; 57.0; 39; 85Eta UMa ; 1.85; 24000;occ; 114; 0;40707
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27; 4334.0; 12-DEC-2009 23:54:42; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;40708
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29; 4941.2; 13-DEC-2009 00:04:50; Bright; 70.0; 138; 47Eps Vir ; 2.83; 4700;occ; 140; 0;40708
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 5;-1317.3; 13-DEC-2009 06:43:31; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;40712
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 13; 472.7; 13-DEC-2009 07:13:21; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40713
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 16; 889.0; 13-DEC-2009 07:20:17; Dark ; 45.5; 2; Alp Car ;-0.74; 7000;occ; 91; 0;40713
 17; 1045.5; 13-DEC-2009 07:22:54; Dark ; 53.5; 117; Pi Pup ; 2.71; 3800;occ; 107; 0;40713
 18; 1246.7; 13-DEC-2009 07:26:15; Dark ; 56.0; 23; 21Eps CMa ; 1.50; 26000;occ; 112; 0;40713
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 22; 6275.4; 13-DEC-2009 15:32:27; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;40717
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 2; 1884.7; 16-DEC-2009 09:23:14; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;40757
 3; 2072.9; 16-DEC-2009 09:26:22; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;40757
 4; 2190.0; 16-DEC-2009 09:28:19; Dark ; 44.0; 13; 87Alp Tau ; 0.87; 3800;occ; 88; 0;40757
 5; 2322.9; 16-DEC-2009 09:30:32; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;40757
 6; 2446.2; 16-DEC-2009 09:32:36; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;40757
 7; 2661.5; 16-DEC-2009 09:36:11; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;40757
 8; 2791.9; 16-DEC-2009 09:38:21; Bright; 51.5; 42; 34Bet Aur ; 1.90; 10200;occ; 103; 0;40757
 9; 3704.5; 16-DEC-2009 09:53:34; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40757
 10; 3981.5; 16-DEC-2009 09:58:11; Bright; 62.0; 32; 77Eps UMa ; 1.76; 11000;occ; 124; 0;40757
 11; 4137.4; 16-DEC-2009 10:00:47; Bright; 58.0; 39; 85Eta UMa ; 1.85; 24000;occ; 116; 0;40757
 12; 4338.5; 16-DEC-2009 10:04:08; Bright; 55.0; 180; 27Gam Boo ; 3.04; 8000;occ; 110; 0;40757
 13; 4531.7; 16-DEC-2009 10:07:21; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;40757
 14; 4732.1; 16-DEC-2009 10:10:42; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;40757
 15; 4972.7; 16-DEC-2009 10:14:42; Bright; 48.0; 138; 47Eps Vir ; 2.83; 4700;occ; 96; 0;40757
 16; 5331.0; 16-DEC-2009 10:20:40; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;40757
 17; 5541.0; 16-DEC-2009 10:24:10; Dark ; 46.5; 169; 46Gam Hya ; 2.99; 4700;occ; 93; 0;40757
 18; 5693.0; 16-DEC-2009 10:26:42; Dark ; 56.5; 106; 9Bet Crv ; 2.65; 5600;occ; 113; 0;40757
 19; 5790.0; 16-DEC-2009 10:28:19; Dark ; 53.0; 171; 2Eps Crv ; 3.00; 4250;occ; 106; 0;40757
 20; 5980.5; 16-DEC-2009 10:31:30; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;40757
 21; 6078.8; 16-DEC-2009 10:33:08; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;40757
 22; 6310.8; 16-DEC-2009 10:37:00; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40757
 23; 6536.5; 16-DEC-2009 10:40:46; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;40757
 24; 6619.4; 16-DEC-2009 10:42:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40757
 25; 6817.0; 16-DEC-2009 10:45:26; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40757
 26; 6945.0; 16-DEC-2009 10:47:34; Dark ; 49.5; 70; Zet Pup ; 2.25; 39000;occ; 99; 0;40757
 27; 7107.4; 16-DEC-2009 10:50:17; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;40757
 28; 7252.1; 16-DEC-2009 10:52:42; Dark ; 30.0; 88; 31Eta CMa ; 2.45; 20000;occ; 60; 0;40757
 29; 7301.9; 16-DEC-2009 10:53:31; Dark ; 54.0; 23; 21Eps CMa ; 1.50; 26000;occ; 108; 0;40757
 30; 7574.3; 16-DEC-2009 10:58:04; Dark ; 49.0; 47; 2Bet CMa ; 1.98; 28000;occ; 98; 0;40757

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 2; 1750.1; 16-DEC-2009 11:01:35; Dark ; 44.0; 7; 19Bet Ori ; 0.10; 14000;occ; 88; 0;40758
 3; 1884.6; 16-DEC-2009 11:03:50; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;40758
 4; 2072.5; 16-DEC-2009 11:06:58; Dark ; 60.0; 14; 58Alp Ori ; 0.87; 3000;occ; 120; 0;40758


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6; 2322.6; 16-DEC-2009 11:11:08; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;40758
7; 2445.8; 16-DEC-2009 11:13:11; Bright; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;40758
8; 2661.0; 16-DEC-2009 11:16:46; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;40758
9; 2791.4; 16-DEC-2009 11:18:57; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;40758
10; 3704.7; 16-DEC-2009 11:34:10; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;40758
11; 3981.2; 16-DEC-2009 11:38:46; Bright; 43.0; 32; 77Eps UMa ; 1.76; 11000;occ; 86; 0;40758
12; 4137.2; 16-DEC-2009 11:41:23; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;40758
13; 4338.7; 16-DEC-2009 11:44:44; Bright; 47.5; 180; 27Gam Boo ; 3.04; 8000;occ; 95; 0;40758
14; 4531.9; 16-DEC-2009 11:47:57; Bright; 35.0; 83; ; 2.38; 11000;occ; 70; 0;40758
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16; 4973.5; 16-DEC-2009 11:55:19; Bright; 39.0; 138; 47Eps Vir ; 2.83; 4700;occ; 78; 0;40758
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18; 5541.7; 16-DEC-2009 12:04:47; Dark ; 48.0; 169; 46Gam Hya ; 2.99; 4700;occ; 96; 0;40758
19; 5694.0; 16-DEC-2009 12:07:19; Dark ; 52.5; 106; 9Bet Crv ; 2.65; 5600;occ; 105; 0;40758
20; 5791.4; 16-DEC-2009 12:08:57; Dark ; 48.0; 171; 2Eps Crv ; 3.00; 4250;occ; 96; 0;40758
21; 5981.0; 16-DEC-2009 12:12:06; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40758
22; 6079.5; 16-DEC-2009 12:13:45; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40758
23; 6311.6; 16-DEC-2009 12:17:37; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40758
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25; 6620.1; 16-DEC-2009 12:22:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40758
26; 6817.7; 16-DEC-2009 12:26:03; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;40758
27; 6945.6; 16-DEC-2009 12:28:11; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;40758
28; 7107.8; 16-DEC-2009 12:30:53; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;40758
29; 7252.6; 16-DEC-2009 12:33:18; Dark ; 30.0; 88; 31Eta CMa ; 2.45; 20000;occ; 60; 0;40758
30; 7302.4; 16-DEC-2009 12:34:08; Dark ; 52.0; 23; 21Eps CMa ; 1.50; 26000;occ; 104; 0;40758
31; 7574.3; 16-DEC-2009 12:38:40; Dark ; 48.5; 47; 2Bet CMa ; 1.98; 28000;occ; 97; 0;40758
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2; 1750.1; 16-DEC-2009 12:42:11; Dark ; 45.0; 7; 19Bet Ori ; 0.10; 14000;occ; 90; 0;40759
3; 1884.4; 16-DEC-2009 12:44:26; Dark ; 42.0; 30; 46Eps Ori ; 1.69; 30000;occ; 84; 0;40759
4; 2072.3; 16-DEC-2009 12:47:34; Dark ; 63.0; 14; 58Alp Ori ; 0.87; 3000;occ; 126; 0;40759
5; 2189.8; 16-DEC-2009 12:49:31; Dark ; 48.5; 13; 87Alp Tau ; 0.87; 3800;occ; 97; 0;40759
6; 2322.0; 16-DEC-2009 12:51:43; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;40759
7; 2445.3; 16-DEC-2009 12:53:47; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;40759
8; 2660.3; 16-DEC-2009 12:57:22; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;40759
9; 2791.0; 16-DEC-2009 12:59:32; Bright; 42.5; 42; 34Bet Aur ; 1.90; 10200;occ; 85; 0;40759
10; 3704.4; 16-DEC-2009 13:14:46; Bright; 53.0; 60; 7Bet UMi ; 2.08; 3950;occ; 106; 0;40759
11; 3981.0; 16-DEC-2009 13:19:22; Bright; 45.5; 32; 77Eps UMa ; 1.76; 11000;occ; 91; 0;40759
12; 4137.1; 16-DEC-2009 13:21:58; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;40759
13; 4338.9; 16-DEC-2009 13:25:20; Bright; 55.0; 180; 27Gam Boo ; 3.04; 8000;occ; 110; 0;40759
14; 4532.1; 16-DEC-2009 13:28:33; Bright; 49.0; 83; ; 2.38; 11000;occ; 98; 0;40759
15; 4732.9; 16-DEC-2009 13:31:54; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;40759
16; 4973.9; 16-DEC-2009 13:35:55; Bright; 39.0; 138; 47Eps Vir ; 2.83; 4700;occ; 78; 0;40759
17; 5332.4; 16-DEC-2009 13:41:54; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;40759
18; 5542.7; 16-DEC-2009 13:45:24; Dark ; 44.5; 169; 46Gam Hya ; 2.99; 4700;occ; 89; 0;40759
19; 5695.2; 16-DEC-2009 13:47:56; Dark ; 49.5; 106; 9Bet Crv ; 2.65; 5600;occ; 99; 0;40759
20; 5792.7; 16-DEC-2009 13:49:34; Dark ; 48.0; 171; 2Eps Crv ; 3.00; 4250;occ; 96; 0;40759
21; 5981.7; 16-DEC-2009 13:52:43; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;40759
22; 6080.3; 16-DEC-2009 13:54:21; Dark ; 39.5; 99; Del Cen ; 2.58; 26000;occ; 79; 0;40759
23; 6312.7; 16-DEC-2009 13:58:14; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40759
24; 6537.9; 16-DEC-2009 14:01:59; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40759
25; 6620.9; 16-DEC-2009 14:03:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40759
26; 6818.5; 16-DEC-2009 14:06:40; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40759
27; 6946.4; 16-DEC-2009 14:08:48; Dark ; 52.0; 70; Zet Pup ; 2.25; 39000;occ; 104; 0;40759
28; 7108.6; 16-DEC-2009 14:11:30; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;40759
29; 7253.3; 16-DEC-2009 14:13:54; Dark ; 34.0; 88; 31Eta CMa ; 2.45; 20000;occ; 68; 0;40759
30; 7344.4; 16-DEC-2009 14:15:26; Dark ; 54.0; 37; 25Del CMa ; 1.83; 5900;occ; 108; 0;40759
31; 7574.5; 16-DEC-2009 14:19:16; Dark ; 31.5; 47; 2Bet CMa ; 1.98; 28000;occ; 63; 0;40759
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1; 1538.6; 16-DEC-2009 14:19:16; Dark ; 50.5; 47; 2Bet CMa ; 1.98; 28000;occ; 101; 0;40760
2; 1750.3; 16-DEC-2009 14:22:47; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;40760
3; 1884.5; 16-DEC-2009 14:25:02; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;40760
4; 2072.0; 16-DEC-2009 14:28:09; Dark ; 57.0; 14; 58Alp Ori ; 0.87; 3000;occ; 114; 0;40760
5; 2189.9; 16-DEC-2009 14:30:07; Dark ; 49.5; 13; 87Alp Tau ; 0.87; 3800;occ; 99; 0;40760
6; 2321.9; 16-DEC-2009 14:32:19; Bright; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;40760
7; 2445.0; 16-DEC-2009 14:34:22; Bright; 44.0; 28; 12Bet Tau ; 1.65; 15200;occ; 88; 0;40760
8; 2659.9; 16-DEC-2009 14:37:57; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;40760

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9; 2790.4; 16-DEC-2009 14:40:07; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;40760
 10; 3704.8; 16-DEC-2009 14:55:22; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;40760
 11; 3981.0; 16-DEC-2009 14:59:58; Bright; 45.5; 32; 77Eps UMa ; 1.76; 11000;occ; 91; 0;40760
 12; 4137.1; 16-DEC-2009 15:02:34; Bright; 47.0; 39; 85Eta UMa ; 1.85; 24000;occ; 94; 0;40760
 13; 4339.2; 16-DEC-2009 15:05:56; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40760
 14; 4532.5; 16-DEC-2009 15:09:10; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;40760
 15; 4733.2; 16-DEC-2009 15:12:30; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;40760
 16; 4974.8; 16-DEC-2009 15:16:32; Bright; 30.0; 138; 47Eps Vir ; 2.83; 4700;occ; 60; 0;40760
 17; 5333.3; 16-DEC-2009 15:22:30; Dark ; 53.5; 15; 67Alp Vir ; 0.98; 28000;occ; 107; 0;40760
 18; 5543.4; 16-DEC-2009 15:26:01; Dark ; 49.0; 169; 46Gam Hya ; 2.99; 4700;occ; 98; 0;40760
 19; 5696.3; 16-DEC-2009 15:28:33; Dark ; 58.0; 106; 9Bet Crv ; 2.65; 5600;occ; 116; 0;40760
 20; 5794.2; 16-DEC-2009 15:30:11; Dark ; 42.0; 171; 2Eps Crv ; 3.00; 4250;occ; 84; 0;40760
 21; 5982.4; 16-DEC-2009 15:33:19; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40760
 22; 6080.9; 16-DEC-2009 15:34:58; Dark ; 38.5; 99; Del Cen ; 2.58; 26000;occ; 77; 0;40760
 23; 6313.5; 16-DEC-2009 15:38:51; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;40760
 24; 6538.5; 16-DEC-2009 15:42:36; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;40760
 25; 6621.7; 16-DEC-2009 15:43:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40760
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 27; 6947.1; 16-DEC-2009 15:49:24; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;40760
 28; 7109.3; 16-DEC-2009 15:52:06; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;40760
 29; 7253.9; 16-DEC-2009 15:54:31; Dark ; 34.0; 88; 31Eta CMa ; 2.45; 20000;occ; 68; 0;40760
 30; 7344.9; 16-DEC-2009 15:56:02; Dark ; 8.5; 37; 25Del CMa ; 1.83; 5900;occ; 17; 0;40760

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 3; 1538.7; 16-DEC-2009 15:59:52; Dark ; 51.0; 47; 2Bet CMa ; 1.98; 28000;occ; 102; 0;40761
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 6; 2071.7; 16-DEC-2009 16:08:45; Dark ; 59.5; 14; 58Alp Ori ; 0.87; 3000;occ; 119; 0;40761
 7; 2189.8; 16-DEC-2009 16:10:43; Dark ; 46.5; 13; 87Alp Tau ; 0.87; 3800;occ; 93; 0;40761
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 9; 2444.7; 16-DEC-2009 16:14:58; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;40761
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 12; 3704.6; 16-DEC-2009 16:35:58; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;40761
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 17; 4733.4; 16-DEC-2009 16:53:06; Bright; 60.0; 111; 8Eta Boo ; 2.68; 6000;occ; 120; 0;40761
 18; 4975.5; 16-DEC-2009 16:57:09; Bright; 30.0; 138; 47Eps Vir ; 2.83; 4700;occ; 60; 0;40761
 19; 5334.0; 16-DEC-2009 17:03:07; Dark ; 50.0; 15; 67Alp Vir ; 0.98; 28000;occ; 100; 0;40761
 20; 5544.2; 16-DEC-2009 17:06:37; Dark ; 47.0; 169; 46Gam Hya ; 2.99; 4700;occ; 94; 0;40761
 21; 5697.4; 16-DEC-2009 17:09:10; Dark ; 55.0; 106; 9Bet Crv ; 2.65; 5600;occ; 110; 0;40761
 22; 5795.7; 16-DEC-2009 17:10:49; Dark ; 42.0; 171; 2Eps Crv ; 3.00; 4250;occ; 84; 0;40761
 23; 5983.1; 16-DEC-2009 17:13:56; Dark ; 48.0; 64; Gam Cen ; 2.20; 10600;occ; 96; 0;40761
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 26; 6539.0; 16-DEC-2009 17:23:12; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;40761
 27; 6622.5; 16-DEC-2009 17:24:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40761
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 29; 6948.0; 16-DEC-2009 17:30:01; Dark ; 52.5; 70; Zet Pup ; 2.25; 39000;occ; 105; 0;40761
 30; 7109.8; 16-DEC-2009 17:32:43; Dark ; 39.0; 117; Pi Pup ; 2.71; 3800;occ; 78; 0;40761

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 3; 1309.3; 16-DEC-2009 17:36:38; Dark ; 55.5; 37; 25Del CMa ; 1.83; 5900;occ; 111; 0;40762
 4; 1538.7; 16-DEC-2009 17:40:28; Dark ; 50.0; 47; 2Bet CMa ; 1.98; 28000;occ; 100; 0;40762
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 10; 2444.3; 16-DEC-2009 17:55:33; Bright; 60.0; 28; 12Bet Tau ; 1.65; 15200;occ; 120; 0;40762
 11; 2658.3; 16-DEC-2009 17:59:07; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;40762
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22; 6547.2; 17-DEC-2009 15:11:07; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40774
 23; 6632.0; 17-DEC-2009 15:12:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40774
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 25; 6957.5; 17-DEC-2009 15:17:58; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;40774
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 27; 7309.0; 17-DEC-2009 15:23:49; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;40774
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 19; 5712.9; 17-DEC-2009 16:37:49; Dark ; 58.0; 106; 9Bet Crv ; 2.65; 5600;occ; 116; 0;40775
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 27; 7117.5; 17-DEC-2009 17:01:14; Dark ; 50.5; 117; Pi Pup ; 2.71; 3800;occ; 101; 0;40775

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 18; 5345.4; 17-DEC-2009 18:12:18; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;40776
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12; 2780.9; 17-DEC-2009 19:10:09; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;40777
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15; 4136.1; 17-DEC-2009 19:32:44; Bright; 58.0; 39; 85Eta UMa ; 1.85; 24000;occ; 116; 0;40777
16; 4340.3; 17-DEC-2009 19:36:09; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;40777
17; 4535.6; 17-DEC-2009 19:39:24; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;40777
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19; 5346.1; 17-DEC-2009 19:52:54; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;40777
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23; 4135.7; 18-DEC-2009 02:15:08; Bright; 16.5; 39; 85Eta UMa ; 1.85; 24000;occ; 33; 0;40781

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 16; 5563.8; 18-DEC-2009 11:01:55; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40786
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 19; 6099.2; 18-DEC-2009 11:10:51; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40786
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 22; 6640.6; 18-DEC-2009 11:19:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40786
 23; 6837.0; 18-DEC-2009 11:23:09; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40786
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 25; 7123.1; 18-DEC-2009 11:27:55; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;40786
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 27; 7418.8; 18-DEC-2009 11:32:50; Dark ; 53.5; 179; 240mi2CMA ; 3.03; 24000;occ; 107; 0;40786
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 11; 4135.3; 18-DEC-2009 12:18:43; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;40787
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 13; 4537.1; 18-DEC-2009 12:25:25; Bright; 55.0; 83; ; 2.38; 11000;occ; 110; 0;40787
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 22; 6641.4; 18-DEC-2009 13:00:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40787
 23; 6837.7; 18-DEC-2009 13:03:45; Dark ; 53.0; 34; Gam2Vel ; 1.79; 23000;occ; 106; 0;40787
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 27; 7418.7; 18-DEC-2009 13:13:26; Dark ; 52.5; 179; 240mi2CMA ; 3.03; 24000;occ; 105; 0;40787
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 11; 3974.1; 18-DEC-2009 13:56:37; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;40788
 12; 4135.2; 18-DEC-2009 13:59:19; Bright; 45.0; 39; 85Eta UMa ; 1.85; 24000;occ; 90; 0;40788
 13; 4341.1; 18-DEC-2009 14:02:45; Bright; 56.0; 180; 27Gam Boo ; 3.04; 8000;occ; 112; 0;40788
 14; 4537.2; 18-DEC-2009 14:06:01; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;40788
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 22; 6555.5; 18-DEC-2009 14:39:39; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40788
 23; 6642.2; 18-DEC-2009 14:41:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40788
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 25; 6967.6; 18-DEC-2009 14:46:31; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;40788
 26; 7124.2; 18-DEC-2009 14:49:08; Dark ; 52.0; 117; Pi Pup ; 2.71; 3800;occ; 104; 0;40788
 27; 7314.3; 18-DEC-2009 14:52:18; Dark ; 51.5; 23; 21Eps CMA ; 1.50; 26000;occ; 103; 0;40788
 28; 7419.3; 18-DEC-2009 14:54:03; Dark ; 52.0; 179; 240mi2CMA ; 3.03; 24000;occ; 104; 0;40788

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 3; 1751.6; 18-DEC-2009 15:00:11; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0;40789
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 5; 2063.1; 18-DEC-2009 15:05:22; Dark ; 64.0; 14; 58Alp Ori ; 0.87; 3000;occ; 128; 0;40789
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 12; 3974.0; 18-DEC-2009 15:37:13; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;40789
 13; 4135.1; 18-DEC-2009 15:39:54; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;40789
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 15; 4537.6; 18-DEC-2009 15:46:37; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;40789
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 19; 5729.3; 18-DEC-2009 16:06:29; Dark ; 55.0; 106; 9Bet Crv ; 2.65; 5600;occ; 110; 0;40789
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 22; 6339.6; 18-DEC-2009 16:16:39; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40789
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 26; 6968.4; 18-DEC-2009 16:27:08; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;40789
 27; 7125.0; 18-DEC-2009 16:29:44; Dark ; 52.0; 117; Pi Pup ; 2.71; 3800;occ; 104; 0;40789
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 13; 3973.7; 18-DEC-2009 17:17:49; Bright; 63.0; 32; 77Eps UMa ; 1.76; 11000;occ; 126; 0;40790
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 22; 6002.4; 18-DEC-2009 19:32:14; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;40791
 23; 6102.9; 18-DEC-2009 19:33:54; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40791
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 26; 6644.4; 18-DEC-2009 19:42:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40791
 27; 6840.4; 18-DEC-2009 19:46:12; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;40791

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 5; 69.1; 19-DEC-2009 00:35:44; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;40795
 6; 308.0; 19-DEC-2009 00:39:43; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40795
 7; 523.3; 19-DEC-2009 00:43:18; Dark ; 47.0; 71; Iot Car ; 2.25; 7700;occ; 94; 0;40795
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 13; 1385.0; 19-DEC-2009 00:57:40; Dark ; 53.5; 179; 240mi2CMa ; 3.03; 24000;occ; 107; 0;40795
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 22; 2727.1; 19-DEC-2009 01:20:02; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;40795
 23; 3703.2; 19-DEC-2009 01:36:18; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40795
 24; 3972.3; 19-DEC-2009 01:40:47; Bright; 55.5; 32; 77Eps UMa ; 1.76; 11000;occ; 111; 0;40795
 25; 4134.4; 19-DEC-2009 01:43:29; Bright; 53.5; 39; 85Eta UMa ; 1.85; 24000;occ; 107; 0;40795
 26; 4341.7; 19-DEC-2009 01:46:57; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;40795
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 28; 4744.6; 19-DEC-2009 01:53:40; Bright; 42.5; 111; 8Eta Boo ; 2.68; 6000;occ; 85; 0;40795

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 19; 2308.6; 19-DEC-2009 02:53:39; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;40796
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 3;-1901.4; 19-DEC-2009 03:24:05; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;40796
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 13; 524.4; 19-DEC-2009 04:04:31; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40797
 14; 612.0; 19-DEC-2009 04:05:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40797
 15; 807.7; 19-DEC-2009 04:09:15; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40797
 16; 937.4; 19-DEC-2009 04:11:24; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40797
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 27; 2638.7; 19-DEC-2009 04:39:46; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;40797
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 22; 1881.5; 19-DEC-2009 06:07:44; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;40798
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23; 3702.7; 19-DEC-2009 23:24:05; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;40808
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26; 4343.0; 19-DEC-2009 23:34:45; Bright; 50.5; 180; 27Gam Boo ; 3.04; 8000;occ; 101; 0;40808
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13; 4767.3; 23-DEC-2009 08:10:34; Bright; 66.0; 111; 8Eta Boo ; 2.68; 6000;occ; 132; 0;40856
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19; 6400.3; 23-DEC-2009 08:37:47; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;40856
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9; 3955.4; 23-DEC-2009 09:37:38; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;40857
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21; 6404.0; 23-DEC-2009 15:20:15; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40860
22; 6598.8; 23-DEC-2009 15:23:29; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;40860
23; 6704.7; 23-DEC-2009 15:25:15; Dark ; 51.0; 41; Eps Car ; 1.86; 4100;occ; 102; 0;40860
24; 6884.9; 23-DEC-2009 15:28:16; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40860
25; 7016.0; 23-DEC-2009 15:30:27; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;40860
26; 7159.1; 23-DEC-2009 15:32:50; Dark ; 49.0; 117; Pi Pup ; 2.71; 3800;occ; 98; 0;40860

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9; 2415.1; 23-DEC-2009 15:54:22; Bright; 41.0; 28; 12Bet Tau ; 1.65; 15200;occ; 82; 0;40861
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12; 3700.5; 23-DEC-2009 16:15:47; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;40861
13; 3954.3; 23-DEC-2009 16:20:01; Bright; 65.0; 32; 77Eps UMa ; 1.76; 11000;occ; 130; 0;40861
14; 4128.1; 23-DEC-2009 16:22:55; Bright; 44.5; 39; 85Eta UMa ; 1.85; 24000;occ; 89; 0;40861
15; 4347.2; 23-DEC-2009 16:26:34; Bright; 46.5; 180; 27Gam Boo ; 3.04; 8000;occ; 93; 0;40861
16; 4550.6; 23-DEC-2009 16:29:57; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;40861
17; 4769.7; 23-DEC-2009 16:33:36; Bright; 46.5; 111; 8Eta Boo ; 2.68; 6000;occ; 93; 0;40861
18; 5419.9; 23-DEC-2009 16:44:27; Dark ; 56.0; 15; 67Alp Vir ; 0.98; 28000;occ; 112; 0;40861
19; 5690.8; 23-DEC-2009 16:48:57; Dark ; 43.5; 54; 5The Cen ; 2.06; 4500;occ; 87; 0;40861
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22; 6138.6; 23-DEC-2009 16:56:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40861
23; 6404.9; 23-DEC-2009 17:00:52; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40861
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25; 6705.3; 23-DEC-2009 17:05:52; Dark ; 47.0; 41; Eps Car ; 1.86; 4100;occ; 94; 0;40861
26; 6885.5; 23-DEC-2009 17:08:52; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;40861
27; 7016.6; 23-DEC-2009 17:11:03; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;40861
28; 7160.0; 23-DEC-2009 17:13:27; Dark ; 3.0; 117; Pi Pup ; 2.71; 3800;occ; 6; 0;40861

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4; 1404.4; 23-DEC-2009 17:18:07; Dark ; 50.0; 179; 240mi2CMa ; 3.03; 24000;occ; 100; 0;40862
5; 1567.5; 23-DEC-2009 17:20:50; Dark ; 56.0; 1; 9Alp CMa ; -1.44; 11000;occ; 112; 0;40862
6; 1757.0; 23-DEC-2009 17:24:00; Dark ; 46.0; 7; 19Bet Ori ; 0.10; 14000;occ; 92; 0;40862
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11; 2607.5; 23-DEC-2009 17:38:10; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;40862
12; 2710.4; 23-DEC-2009 17:39:53; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;40862
13; 3700.4; 23-DEC-2009 17:56:23; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;40862
14; 3954.0; 23-DEC-2009 18:00:37; Bright; 46.5; 32; 77Eps UMa ; 1.76; 11000;occ; 93; 0;40862
15; 4128.0; 23-DEC-2009 18:03:31; Bright; 42.5; 39; 85Eta UMa ; 1.85; 24000;occ; 85; 0;40862
16; 4347.2; 23-DEC-2009 18:07:10; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40862
17; 4550.7; 23-DEC-2009 18:10:33; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;40862

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 20; 5691.1; 23-DEC-2009 18:29:34; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;40862
 21; 5822.3; 23-DEC-2009 18:31:45; Dark ; 30.0; 106; 9Bet Crv ; 2.65; 5600;occ; 60; 0;40862
 22; 6051.6; 23-DEC-2009 18:35:34; Dark ; 42.5; 64; Gam Cen ; 2.20; 10600;occ; 85; 0;40862
 23; 6139.5; 23-DEC-2009 18:37:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40862
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 26; 6705.8; 23-DEC-2009 18:46:28; Dark ; 56.0; 41; Eps Car ; 1.86; 4100;occ; 112; 0;40862
 27; 6886.0; 23-DEC-2009 18:49:29; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40862

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 3; 1124.5; 23-DEC-2009 18:54:03; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;40863
 4; 1305.3; 23-DEC-2009 18:57:04; Dark ; 49.5; 23; 21Eps CMA ; 1.50; 26000;occ; 99; 0;40863
 5; 1404.8; 23-DEC-2009 18:58:43; Dark ; 48.5; 179; 240mi2CMA ; 3.03; 24000;occ; 97; 0;40863
 6; 1567.7; 23-DEC-2009 19:01:26; Dark ; 53.5; 1; 9Alp CMA ; -1.44; 11000;occ; 107; 0;40863
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 11; 2414.6; 23-DEC-2009 19:15:33; Bright; 40.5; 28; 12Bet Tau ; 1.65; 15200;occ; 81; 0;40863
 12; 2607.1; 23-DEC-2009 19:18:46; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;40863
 13; 2710.1; 23-DEC-2009 19:20:29; Bright; 43.0; 6; 13Alp Aur ; 0.08; 3400;occ; 86; 0;40863
 14; 3700.2; 23-DEC-2009 19:36:59; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;40863
 15; 3953.7; 23-DEC-2009 19:41:12; Bright; 47.0; 32; 77Eps UMA ; 1.76; 11000;occ; 94; 0;40863
 16; 4127.8; 23-DEC-2009 19:44:06; Bright; 61.0; 39; 85Eta UMA ; 1.85; 24000;occ; 122; 0;40863
 17; 4347.0; 23-DEC-2009 19:47:46; Bright; 58.0; 180; 27Gam Boo ; 3.04; 8000;occ; 116; 0;40863
 18; 4550.9; 23-DEC-2009 19:51:10; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;40863
 19; 4770.0; 23-DEC-2009 19:54:49; Bright; 66.0; 111; 8Eta Boo ; 2.68; 6000;occ; 132; 0;40863
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 21; 5691.8; 23-DEC-2009 20:10:11; Dark ; 49.5; 54; 5The Cen ; 2.06; 4500;occ; 99; 0;40863
 22; 5823.8; 23-DEC-2009 20:12:23; Dark ; 30.0; 106; 9Bet Crv ; 2.65; 5600;occ; 60; 0;40863
 23; 6052.0; 23-DEC-2009 20:16:11; Dark ; 48.0; 64; Gam Cen ; 2.20; 10600;occ; 96; 0;40863
 24; 6140.3; 23-DEC-2009 20:17:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40863
 25; 6406.8; 23-DEC-2009 20:22:05; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40863
 26; 6600.5; 23-DEC-2009 20:25:19; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40863
 27; 6706.2; 23-DEC-2009 20:27:05; Dark ; 55.5; 41; Eps Car ; 1.86; 4100;occ; 111; 0;40863
 28; 6886.5; 23-DEC-2009 20:30:05; Dark ; 17.0; 34; Gam2Vel ; 1.79; 23000;occ; 34; 0;40863

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 3; -224.5; 24-DEC-2009 01:13:58; Dark ; 45.5; 123; Iot Cen ; 2.75; 10200;occ; 91; 0;40866
 4; 18.5; 24-DEC-2009 01:18:01; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;40867
 5; 107.0; 24-DEC-2009 01:19:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40867
 6; 373.5; 24-DEC-2009 01:23:56; Dark ; 50.5; 113; Mu Vel ; 2.69; 5000;occ; 101; 0;40867
 7; 566.3; 24-DEC-2009 01:27:09; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40867
 8; 671.7; 24-DEC-2009 01:28:54; Dark ; 50.0; 41; Eps Car ; 1.86; 4100;occ; 100; 0;40867
 9; 852.4; 24-DEC-2009 01:31:55; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;40867
 10; 983.8; 24-DEC-2009 01:34:06; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;40867
 11; 1126.1; 24-DEC-2009 01:36:28; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;40867
 12; 1306.6; 24-DEC-2009 01:39:29; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 0;40867
 13; 1405.7; 24-DEC-2009 01:41:08; Dark ; 47.0; 179; 240mi2CMA ; 3.03; 24000;occ; 94; 0;40867
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 16; 1878.9; 24-DEC-2009 01:49:01; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;40867
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 19; 2413.3; 24-DEC-2009 01:57:56; Bright; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;40867
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 21; 2709.0; 24-DEC-2009 02:02:51; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;40867
 22; 3699.8; 24-DEC-2009 02:19:22; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;40867
 23; 3952.3; 24-DEC-2009 02:23:35; Bright; 47.0; 32; 77Eps UMA ; 1.76; 11000;occ; 94; 0;40867
 24; 4127.1; 24-DEC-2009 02:26:29; Bright; 53.5; 39; 85Eta UMA ; 1.85; 24000;occ; 107; 0;40867

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 3; -1483.9; 24-DEC-2009 02:33:34; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;40867

4; -1264.3; 24-DEC-2009 02:37:14; Bright; 67.0; 111; 8Eta Boo ; 2.68; 6000;occ; 134; 0;40867
5; -610.0; 24-DEC-2009 02:48:08; Dark ; 62.5; 15; 67Alp Vir ; 0.98; 28000;occ; 125; 0;40867
6; -342.0; 24-DEC-2009 02:52:36; Dark ; 43.0; 54; 5The Cen ; 2.06; 4500;occ; 86; 0;40867
7; -223.9; 24-DEC-2009 02:54:34; Dark ; 42.5; 123; Iot Cen ; 2.75; 10200;occ; 85; 0;40867
8; 19.2; 24-DEC-2009 02:58:37; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;40868
9; 107.9; 24-DEC-2009 03:00:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40868
10; 374.6; 24-DEC-2009 03:04:33; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40868
11; 566.9; 24-DEC-2009 03:07:45; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40868
12; 672.3; 24-DEC-2009 03:09:31; Dark ; 44.0; 41; Eps Car ; 1.86; 4100;occ; 88; 0;40868
13; 852.9; 24-DEC-2009 03:12:31; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;40868
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15; 1126.6; 24-DEC-2009 03:17:05; Dark ; 49.0; 117; Pi Pup ; 2.71; 3800;occ; 98; 0;40868
16; 1306.7; 24-DEC-2009 03:20:05; Dark ; 49.5; 23; 21Eps CMa ; 1.50; 26000;occ; 99; 0;40868
17; 1406.1; 24-DEC-2009 03:21:44; Dark ; 49.5; 179; 240mi2CMa ; 3.03; 24000;occ; 99; 0;40868
18; 1568.0; 24-DEC-2009 03:24:26; Dark ; 54.0; 1; 9Alp CMa ; -1.44; 11000;occ; 108; 0;40868
19; 1757.4; 24-DEC-2009 03:27:36; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0;40868
20; 1878.9; 24-DEC-2009 03:29:37; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;40868
21; 2045.8; 24-DEC-2009 03:32:24; Dark ; 56.5; 14; 58Alp Ori ; 0.87; 3000;occ; 113; 0;40868
22; 2288.7; 24-DEC-2009 03:36:27; Bright; 41.5; 176; 23Zet Tau ; 3.02; 22000;occ; 83; 0;40868
23; 2413.4; 24-DEC-2009 03:38:32; Bright; 40.5; 28; 12Bet Tau ; 1.65; 15200;occ; 81; 0;40868
24; 2604.8; 24-DEC-2009 03:41:43; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;40868
25; 2709.1; 24-DEC-2009 03:43:27; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;40868

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3; -1908.7; 24-DEC-2009 04:07:05; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40868
4; -1688.7; 24-DEC-2009 04:10:45; Bright; 58.0; 180; 27Gam Boo ; 3.04; 8000;occ; 116; 0;40868
5; -1483.9; 24-DEC-2009 04:14:10; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;40868
6; -1263.8; 24-DEC-2009 04:17:50; Bright; 67.0; 111; 8Eta Boo ; 2.68; 6000;occ; 134; 0;40868
7; -739.8; 24-DEC-2009 04:26:34; Bright; 43.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 86; 0;40868
8; -609.2; 24-DEC-2009 04:28:45; Dark ; 57.0; 15; 67Alp Vir ; 0.98; 28000;occ; 114; 0;40868
9; -341.3; 24-DEC-2009 04:33:13; Dark ; 46.0; 54; 5The Cen ; 2.06; 4500;occ; 92; 0;40868
10; -223.0; 24-DEC-2009 04:35:11; Dark ; 42.0; 123; Iot Cen ; 2.75; 10200;occ; 84; 0;40868
11; 20.0; 24-DEC-2009 04:39:14; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;40869
12; 108.7; 24-DEC-2009 04:40:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40869
13; 375.4; 24-DEC-2009 04:45:10; Dark ; 56.0; 113; Mu Vel ; 2.69; 5000;occ; 112; 0;40869
14; 567.6; 24-DEC-2009 04:48:22; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40869
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19; 1307.2; 24-DEC-2009 05:00:41; Dark ; 50.0; 23; 21Eps CMa ; 1.50; 26000;occ; 100; 0;40869
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21; 1568.2; 24-DEC-2009 05:05:02; Dark ; 53.5; 1; 9Alp CMa ; -1.44; 11000;occ; 107; 0;40869
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23; 1878.9; 24-DEC-2009 05:10:13; Dark ; 44.0; 30; 46Eps Ori ; 1.69; 30000;occ; 88; 0;40869
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27; 7450.6; 26-DEC-2009 12:22:15; Dark ; 46.5; 179; 240mi2CMA ; 3.03; 24000;occ; 93; 0;40901
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14; 4786.6; 26-DEC-2009 13:18:27; Bright; 51.5; 111; 8Eta Boo ; 2.68; 6000;occ; 103; 0;40902
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3;	1319.0;	26-DEC-2009	19:03:03;	Dark	;	48.0;	23;	21Eps CMa	;	1.50;	26000;	occ;	96;	0;	40906
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6;	1724.9;	26-DEC-2009	19:09:49;	Dark	;	45.0;	56;	53Kap Ori	;	2.07;	30000;	occ;	90;	0;	40906
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8;	2039.8;	26-DEC-2009	19:15:04;	Dark	;	51.5;	14;	58Alp Ori	;	0.87;	3000;	occ;	103;	0;	40906
9;	2259.7;	26-DEC-2009	19:18:44;	Dark	;	63.0;	44;	24Gam Gem	;	1.93;	11000;	occ;	126;	0;	40906
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11;	2590.0;	26-DEC-2009	19:24:14;	Bright;		40.0;	107;	37The Aur	;	2.65;	11000;	occ;	80;	0;	40906
12;	2701.7;	26-DEC-2009	19:26:06;	Bright;		43.5;	6;	13Alp Aur	;	0.08;	3400;	occ;	87;	0;	40906
13;	3643.7;	26-DEC-2009	19:41:48;	Bright;		46.0;	36;	50Alp UMa	;	1.80;	6300;	occ;	92;	0;	40906
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26;	6625.1;	26-DEC-2009	20:31:29;	Dark	;	42.0;	71;	Iot Car	;	2.25;	7700;	occ;	84;	0;	40906
27;	6727.3;	26-DEC-2009	20:33:11;	Dark	;	53.0;	41;	Eps Car	;	1.86;	4100;	occ;	106;	0;	40906
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16; 3929.9; 28-DEC-2009 18:43:20; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;40934
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12; 1328.4; 29-DEC-2009 00:42:22; Dark ; 49.0; 23; 21Eps CMa ; 1.50; 26000;occ; 98; 0;40938
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16; 1879.4; 29-DEC-2009 00:51:33; Dark ; 44.0; 30; 46Eps Ori ; 1.69; 30000;occ; 88; 0;40938
17; 2035.8; 29-DEC-2009 00:54:09; Dark ; 56.5; 14; 58Alp Ori ; 0.87; 3000;occ; 113; 0;40938
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13; 173.1; 29-DEC-2009 05:24:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40941
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29; 7464.6; 30-DEC-2009 13:37:13; Dark ; 46.5; 179; 240mi2CMA ; 3.03; 24000;occ; 93; 0;40959

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1;	1578.9;	30-DEC-2009	13:39:43;	Dark	;	53.5;	1;	9Alp CMA	;	-1.44;	11000;occ;	107;	0;	40960
2;	1729.2;	30-DEC-2009	13:42:13;	Dark	;	44.0;	56;	53Kap Ori	;	2.07;	30000;occ;	88;	0;	40960
3;	1880.3;	30-DEC-2009	13:44:44;	Dark	;	43.0;	30;	46Eps Ori	;	1.69;	30000;occ;	86;	0;	40960
4;	2034.2;	30-DEC-2009	13:47:18;	Dark	;	49.5;	14;	58Alp Ori	;	0.87;	3000;occ;	99;	0;	40960
5;	2236.9;	30-DEC-2009	13:50:41;	Dark	;	56.0;	44;	24Gam Gem	;	1.93;	11000;occ;	112;	0;	40960
6;	2334.1;	30-DEC-2009	13:52:18;	Bright;	;	47.0;	151;	13Mu Gem	;	2.89;	3000;occ;	94;	0;	40960
7;	2415.8;	30-DEC-2009	13:53:40;	Bright;	;	45.0;	170;	27Eps Gem	;	3.00;	9700;occ;	90;	0;	40960
8;	2572.7;	30-DEC-2009	13:56:17;	Bright;	;	39.0;	107;	37The Aur	;	2.65;	11000;occ;	78;	0;	40960
9;	2694.7;	30-DEC-2009	13:58:19;	Bright;	;	45.0;	6;	13Alp Aur	;	0.08;	3400;occ;	90;	0;	40960
10;	3693.1;	30-DEC-2009	14:14:57;	Bright;	;	40.0;	60;	7Bet UMi	;	2.08;	3950;occ;	80;	0;	40960
11;	3920.0;	30-DEC-2009	14:18:44;	Bright;	;	49.0;	32;	77Eps UMa	;	1.76;	11000;occ;	98;	0;	40960
12;	4113.0;	30-DEC-2009	14:21:57;	Bright;	;	65.0;	39;	85Eta UMa	;	1.85;	24000;occ;	130;	0;	40960
13;	4352.2;	30-DEC-2009	14:25:56;	Bright;	;	61.0;	180;	27Gam Boo	;	3.04;	8000;occ;	122;	0;	40960
14;	4570.2;	30-DEC-2009	14:29:34;	Bright;	;	41.5;	83;		;	2.38;	11000;occ;	83;	0;	40960
15;	4762.3;	30-DEC-2009	14:32:46;	Bright;	;	52.0;	3;	16Alp Boo	;	-0.05;	4250;occ;	104;	0;	40960
16;	5185.4;	30-DEC-2009	14:39:49;	Bright;	;	52.0;	104;	27Bet Lib	;	2.61;	13100;occ;	104;	0;	40960
17;	5341.8;	30-DEC-2009	14:42:26;	Dark	;	41.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	83;	0;	40960
18;	5752.8;	30-DEC-2009	14:49:17;	Dark	;	54.0;	54;	5The Cen	;	2.06;	4500;occ;	108;	0;	40960
19;	5920.2;	30-DEC-2009	14:52:04;	Dark	;	40.5;	95;	Zet Cen	;	2.55;	26000;occ;	81;	0;	40960
20;	6126.2;	30-DEC-2009	14:55:30;	Dark	;	43.0;	64;	Gam Cen	;	2.20;	10600;occ;	86;	0;	40960
21;	6227.3;	30-DEC-2009	14:57:11;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	40960
22;	6494.5;	30-DEC-2009	15:01:38;	Dark	;	47.5;	113;	Mu Vel	;	2.69;	5000;occ;	95;	0;	40960
23;	6655.6;	30-DEC-2009	15:04:20;	Dark	;	41.0;	71;	Iot Car	;	2.25;	7700;occ;	82;	0;	40960
24;	6752.5;	30-DEC-2009	15:05:56;	Dark	;	53.0;	41;	Eps Car	;	1.86;	4100;occ;	106;	0;	40960
25;	6941.8;	30-DEC-2009	15:09:06;	Dark	;	44.0;	34;	Gam2Vel	;	1.79;	23000;occ;	88;	0;	40960
26;	7073.7;	30-DEC-2009	15:11:18;	Dark	;	47.0;	70;	Zet Pup	;	2.25;	39000;occ;	94;	0;	40960
27;	7200.9;	30-DEC-2009	15:13:25;	Dark	;	49.5;	117;	Pi Pup	;	2.71;	3800;occ;	99;	0;	40960
28;	7371.2;	30-DEC-2009	15:16:15;	Dark	;	45.5;	23;	21Eps CMA	;	1.50;	26000;occ;	91;	0;	40960

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1;	1348.7;	30-DEC-2009	15:16:29;	Dark	;	46.0;	23;	21Eps CMA	;	1.50;	26000;occ;	92;	27;	40961
2;	1428.8;	30-DEC-2009	15:17:49;	Dark	;	47.0;	179;	240mi2CMA	;	3.03;	24000;occ;	94;	0;	40961
3;	1579.2;	30-DEC-2009	15:20:19;	Dark	;	49.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	98;	0;	40961
4;	1729.3;	30-DEC-2009	15:22:49;	Dark	;	43.0;	56;	53Kap Ori	;	2.07;	30000;occ;	86;	0;	40961
5;	1880.4;	30-DEC-2009	15:25:20;	Dark	;	43.0;	30;	46Eps Ori	;	1.69;	30000;occ;	86;	0;	40961
6;	2034.0;	30-DEC-2009	15:27:54;	Dark	;	52.0;	14;	58Alp Ori	;	0.87;	3000;occ;	104;	0;	40961
7;	2236.4;	30-DEC-2009	15:31:16;	Dark	;	52.5;	44;	24Gam Gem	;	1.93;	11000;occ;	105;	0;	40961
8;	2333.9;	30-DEC-2009	15:32:54;	Bright;	;	47.0;	151;	13Mu Gem	;	2.89;	3000;occ;	94;	0;	40961
9;	2415.5;	30-DEC-2009	15:34:15;	Bright;	;	47.0;	170;	27Eps Gem	;	3.00;	9700;occ;	94;	0;	40961
10;	2572.4;	30-DEC-2009	15:36:52;	Bright;	;	39.0;	107;	37The Aur	;	2.65;	11000;occ;	78;	0;	40961
11;	2694.6;	30-DEC-2009	15:38:54;	Bright;	;	46.0;	6;	13Alp Aur	;	0.08;	3400;occ;	92;	0;	40961
12;	3693.3;	30-DEC-2009	15:55:33;	Bright;	;	37.5;	60;	7Bet UMi	;	2.08;	3950;occ;	75;	0;	40961
13;	3919.6;	30-DEC-2009	15:59:20;	Bright;	;	51.0;	32;	77Eps UMa	;	1.76;	11000;occ;	102;	0;	40961
14;	4113.2;	30-DEC-2009	16:02:33;	Bright;	;	41.5;	39;	85Eta UMa	;	1.85;	24000;occ;	83;	0;	40961
15;	4352.4;	30-DEC-2009	16:06:32;	Bright;	;	43.0;	180;	27Gam Boo	;	3.04;	8000;occ;	86;	0;	40961
16;	4570.5;	30-DEC-2009	16:10:10;	Bright;	;	44.0;	83;		;	2.38;	11000;occ;	88;	0;	40961
17;	4762.9;	30-DEC-2009	16:13:23;	Bright;	;	51.0;	3;	16Alp Boo	;	-0.05;	4250;occ;	102;	0;	40961
18;	5186.0;	30-DEC-2009	16:20:26;	Bright;	;	52.0;	104;	27Bet Lib	;	2.61;	13100;occ;	104;	0;	40961
19;	5342.5;	30-DEC-2009	16:23:02;	Dark	;	44.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	88;	0;	40961
20;	5753.3;	30-DEC-2009	16:29:53;	Dark	;	52.5;	54;	5The Cen	;	2.06;	4500;occ;	105;	0;	40961
21;	5921.0;	30-DEC-2009	16:32:41;	Dark	;	38.5;	95;	Zet Cen	;	2.55;	26000;occ;	77;	0;	40961
22;	6127.2;	30-DEC-2009	16:36:07;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;occ;	89;	0;	40961
23;	6228.3;	30-DEC-2009	16:37:48;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	40961
24;	6495.5;	30-DEC-2009	16:42:15;	Dark	;	48.0;	113;	Mu Vel	;	2.69;	5000;occ;	96;	0;	40961
25;	6656.4;	30-DEC-2009	16:44:56;	Dark	;	42.5;	71;	Iot Car	;	2.25;	7700;occ;	85;	0;	40961
26;	6753.1;	30-DEC-2009	16:46:33;	Dark	;	51.0;	41;	Eps Car	;	1.86;	4100;occ;	102;	0;	40961
27;	6942.4;	30-DEC-2009	16:49:42;	Dark	;	47.5;	34;	Gam2Vel	;	1.79;	23000;occ;	95;	0;	40961
28;	7074.3;	30-DEC-2009	16:51:54;	Dark	;	49.0;	70;	Zet Pup	;	2.25;	39000;occ;	98;	0;	40961
29;	7201.6;	30-DEC-2009	16:54:02;	Dark	;	15.0;	117;	Pi Pup	;	2.71;	3800;occ;	30;	0;	40961

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2;	1165.6;	30-DEC-2009	16:54:02;	Dark	;	49.0;	117;	Pi Pup	;	2.71;	3800;occ;	98;	0;	40962
3;	1335.5;	30-DEC-2009	16:56:51;	Dark	;	47.5;	23;	21Eps CMA	;	1.50;	26000;occ;	95;	0;	40962
4;	1429.1;	30-DEC-2009	16:58:25;	Dark	;	47.5;	179;	240mi2CMA	;	3.03;	24000;occ;	95;	0;	40962
5;	1579.4;	30-DEC-2009	17:00:55;	Dark	;	49.5;	1;	9Alp CMA	;	-1.44;	11000;occ;	99;	0;	40962
6;	1729.4;	30-DEC-2009	17:03:25;	Dark	;	42.5;	56;	53Kap Ori	;	2.07;	30000;occ;	85;	0;	40962
7;	1880.4;	30-DEC-2009	17:05:56;	Dark	;	42.5;	30;	46Eps Ori	;	1.69;	30000;occ;	85;	0;	40962
8;	2034.1;	30-DEC-2009	17:08:30;	Dark	;	55.5;	14;	58Alp Ori	;	0.87;	3000;occ;	111;	0;	40962

9; 2236.2; 30-DEC-2009 17:11:52; Dark ; 52.0; 44; 24Gam Gem ; 1.93; 11000;occ; 104; 0;40962
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 11; 2415.0; 30-DEC-2009 17:14:51; Bright; 48.5; 170; 27Eps Gem ; 3.00; 9700;occ; 97; 0;40962
 12; 2572.3; 30-DEC-2009 17:17:28; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;40962
 13; 2694.3; 30-DEC-2009 17:19:30; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;40962
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 15; 3919.4; 30-DEC-2009 17:39:55; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;40962
 16; 4112.8; 30-DEC-2009 17:43:09; Bright; 48.0; 39; 85Eta UMa ; 1.85; 24000;occ; 96; 0;40962
 17; 4352.5; 30-DEC-2009 17:47:08; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;40962
 18; 4570.5; 30-DEC-2009 17:50:46; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;40962
 19; 4763.3; 30-DEC-2009 17:53:59; Bright; 51.0; 3; 16Alp Boo ; -0.05; 4250;occ; 102; 0;40962
 20; 5186.5; 30-DEC-2009 18:01:02; Bright; 50.0; 104; 27Bet Lib ; 2.61; 13100;occ; 100; 0;40962
 21; 5343.1; 30-DEC-2009 18:03:39; Dark ; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;40962
 22; 5754.1; 30-DEC-2009 18:10:30; Dark ; 52.0; 54; 5The Cen ; 2.06; 4500;occ; 104; 0;40962
 23; 5921.6; 30-DEC-2009 18:13:18; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;40962
 24; 6127.9; 30-DEC-2009 18:16:44; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;40962
 25; 6229.3; 30-DEC-2009 18:18:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40962
 26; 6496.5; 30-DEC-2009 18:22:52; Dark ; 51.5; 113; Mu Vel ; 2.69; 5000;occ; 103; 0;40962
 27; 6656.9; 30-DEC-2009 18:25:33; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40962
 28; 6753.7; 30-DEC-2009 18:27:10; Dark ; 54.5; 41; Eps Car ; 1.86; 4100;occ; 109; 0;40962
 29; 6942.9; 30-DEC-2009 18:30:19; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40962
 30; 7074.7; 30-DEC-2009 18:32:31; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;40962

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 3; 1335.7; 30-DEC-2009 18:37:28; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;40963
 4; 1429.5; 30-DEC-2009 18:39:01; Dark ; 45.5; 179; 240mi2CMa ; 3.03; 24000;occ; 91; 0;40963
 5; 1579.3; 30-DEC-2009 18:41:31; Dark ; 51.5; 1; 9Alp CMa ; -1.44; 11000;occ; 103; 0;40963
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 7; 1880.4; 30-DEC-2009 18:46:32; Dark ; 42.0; 30; 46Eps Ori ; 1.69; 30000;occ; 84; 0;40963
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 9; 2235.6; 30-DEC-2009 18:52:28; Dark ; 50.5; 44; 24Gam Gem ; 1.93; 11000;occ; 101; 0;40963
 10; 2333.2; 30-DEC-2009 18:54:05; Bright; 47.5; 151; 13Mu Gem ; 2.89; 3000;occ; 95; 0;40963
 11; 2414.3; 30-DEC-2009 18:55:26; Bright; 45.5; 170; 27Eps Gem ; 3.00; 9700;occ; 91; 0;40963
 12; 2572.0; 30-DEC-2009 18:58:04; Bright; 40.5; 107; 37The Aur ; 2.65; 11000;occ; 81; 0;40963
 13; 2694.3; 30-DEC-2009 19:00:06; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;40963
 14; 3693.0; 30-DEC-2009 19:16:45; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;40963
 15; 3918.8; 30-DEC-2009 19:20:31; Bright; 49.5; 32; 77Eps UMa ; 1.76; 11000;occ; 99; 0;40963
 16; 4112.4; 30-DEC-2009 19:23:44; Bright; 65.0; 39; 85Eta UMa ; 1.85; 24000;occ; 130; 0;40963
 17; 4352.4; 30-DEC-2009 19:27:44; Bright; 61.0; 180; 27Gam Boo ; 3.04; 8000;occ; 122; 0;40963
 18; 4570.8; 30-DEC-2009 19:31:23; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;40963
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 22; 5754.7; 30-DEC-2009 19:51:07; Dark ; 54.5; 54; 5The Cen ; 2.06; 4500;occ; 109; 0;40963
 23; 5922.0; 30-DEC-2009 19:53:54; Dark ; 39.0; 95; Zet Cen ; 2.55; 26000;occ; 78; 0;40963
 24; 6128.5; 30-DEC-2009 19:57:21; Dark ; 50.0; 64; Gam Cen ; 2.20; 10600;occ; 100; 0;40963
 25; 6230.1; 30-DEC-2009 19:59:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40963
 26; 6497.1; 30-DEC-2009 20:03:29; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40963
 27; 6657.4; 30-DEC-2009 20:06:09; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40963
 28; 6754.1; 30-DEC-2009 20:07:46; Dark ; 43.5; 41; Eps Car ; 1.86; 4100;occ; 87; 0;40963
 29; 6943.4; 30-DEC-2009 20:10:55; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40963
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 4; 94.9; 31-DEC-2009 00:59:10; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;40967
 5; 196.9; 31-DEC-2009 01:00:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40967
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 7; 622.9; 31-DEC-2009 01:07:58; Dark ; 47.0; 71; Iot Car ; 2.25; 7700;occ; 94; 0;40967
 8; 719.4; 31-DEC-2009 01:09:35; Dark ; 51.0; 41; Eps Car ; 1.86; 4100;occ; 102; 0;40967
 9; 908.9; 31-DEC-2009 01:12:44; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;40967
 10; 1040.6; 31-DEC-2009 01:14:56; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;40967
 11; 1167.1; 31-DEC-2009 01:17:03; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;40967
 12; 1336.6; 31-DEC-2009 01:19:52; Dark ; 45.5; 23; 21Eps CMa ; 1.50; 26000;occ; 91; 0;40967
 13; 1430.4; 31-DEC-2009 01:21:26; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;40967
 14; 1579.9; 31-DEC-2009 01:23:55; Dark ; 48.5; 1; 9Alp CMa ; -1.44; 11000;occ; 97; 0;40967

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16; 1880.6; 31-DEC-2009 01:28:56; Dark ; 42.5; 30; 46Eps Ori ; 1.69; 30000;occ; 85; 0;40967
17; 2033.4; 31-DEC-2009 01:31:29; Dark ; 48.0; 14; 58Alp Ori ; 0.87; 3000;occ; 96; 0;40967
18; 2234.2; 31-DEC-2009 01:34:50; Dark ; 52.5; 44; 24Gam Gem ; 1.93; 11000;occ; 105; 0;40967
19; 2331.9; 31-DEC-2009 01:36:27; Bright; 50.5; 151; 13Mu Gem ; 2.89; 3000;occ; 101; 0;40967
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21; 2570.6; 31-DEC-2009 01:40:26; Bright; 40.5; 107; 37The Aur ; 2.65; 11000;occ; 81; 0;40967
22; 2693.8; 31-DEC-2009 01:42:29; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;40967
23; 3692.3; 31-DEC-2009 01:59:08; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;40967
24; 3917.4; 31-DEC-2009 02:02:53; Bright; 49.5; 32; 77Eps UMa ; 1.76; 11000;occ; 99; 0;40967
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14; 3691.4; 31-DEC-2009 18:45:06; Bright; 47.0; 60; 7Bet UMi ; 2.08; 3950;occ; 94; 0;40977
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16; 4109.5; 31-DEC-2009 18:52:05; Bright; 49.0; 39; 85Eta UMa ; 1.85; 24000;occ; 98; 0;40977
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19; 4769.5; 31-DEC-2009 19:03:04; Bright; 53.5; 3; 16Alp Boo ; -0.05; 4250;occ; 107; 0;40977
20; 5192.6; 31-DEC-2009 19:10:08; Bright; 55.0; 104; 27Bet Lib ; 2.61; 13100;occ; 110; 0;40977
21; 5351.6; 31-DEC-2009 19:12:47; Dark ; 43.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 86; 0;40977
22; 5764.4; 31-DEC-2009 19:19:39; Dark ; 48.5; 54; 5The Cen ; 2.06; 4500;occ; 97; 0;40977
23; 5930.5; 31-DEC-2009 19:22:26; Dark ; 39.5; 95; Zet Cen ; 2.55; 26000;occ; 79; 0;40977
24; 6139.8; 31-DEC-2009 19:25:55; Dark ; 48.0; 64; Gam Cen ; 2.20; 10600;occ; 96; 0;40977
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26; 6509.6; 31-DEC-2009 19:32:05; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;40977
27; 6664.9; 31-DEC-2009 19:34:40; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40977
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