

GOMOS Daily Report 26-DEC-2009

Level 0 and Level 1 products

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

Item	Value
Time of report generation	12JAN2010 13:38:03
Data source version	GOMOS/5.00L04
Start time of products	26DEC2009 00:02:20
Stop time of products	26DEC2009 23:59:41
Store outputs in DB	No
Nb of level 1b prods	157
Nb of prods with errors	1

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

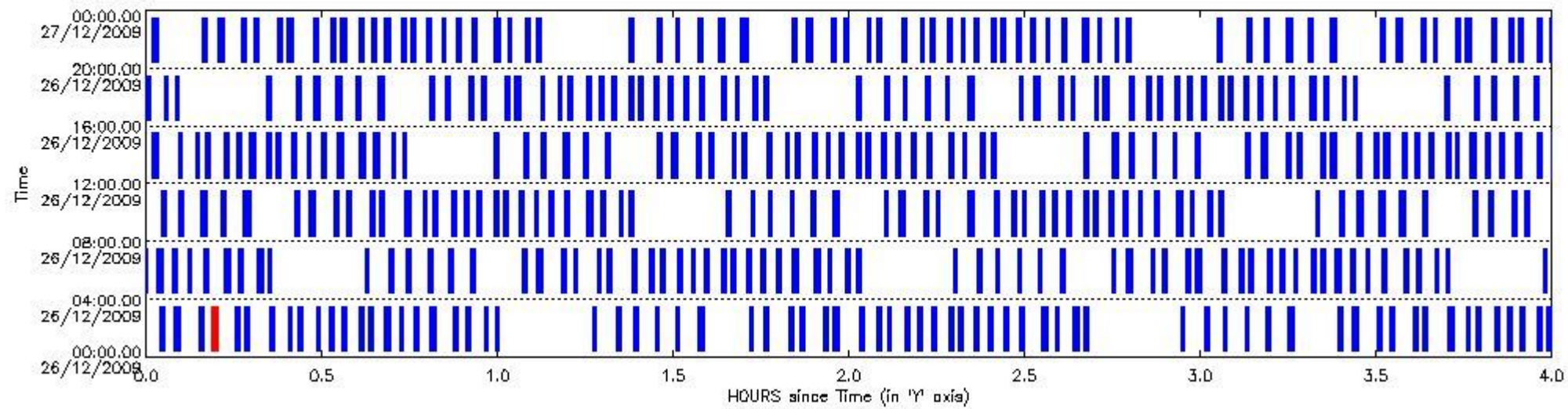
2.1 Level 0 products arrived in PCF (see template [here](#))

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
26-DEC-2009 00:11:12	lotCen	123	40894

2.4 Summary of processed GOM_TRA_1P products

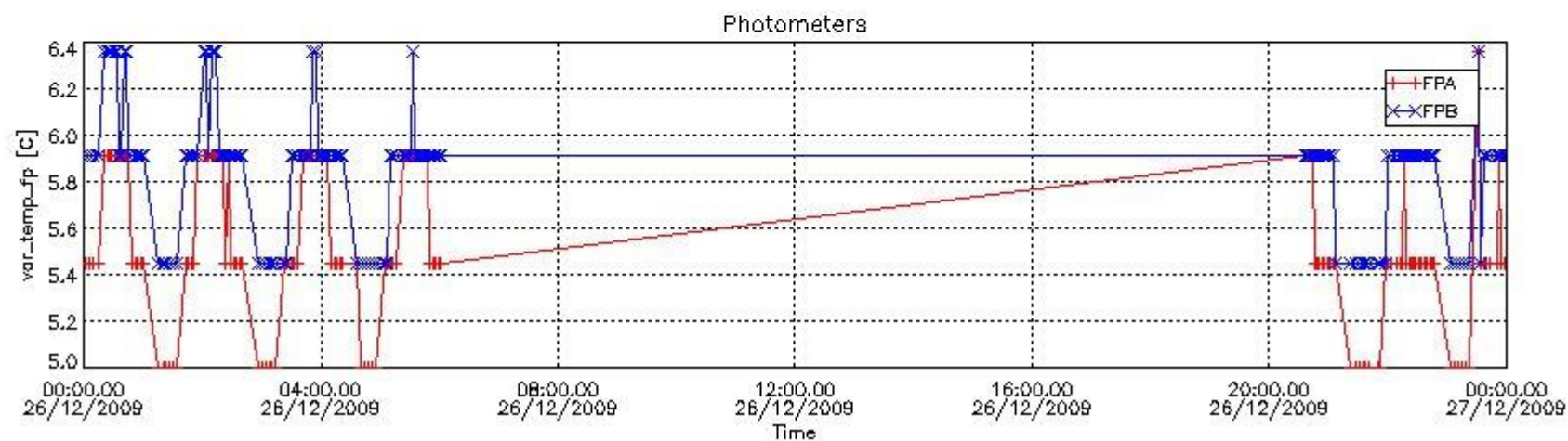
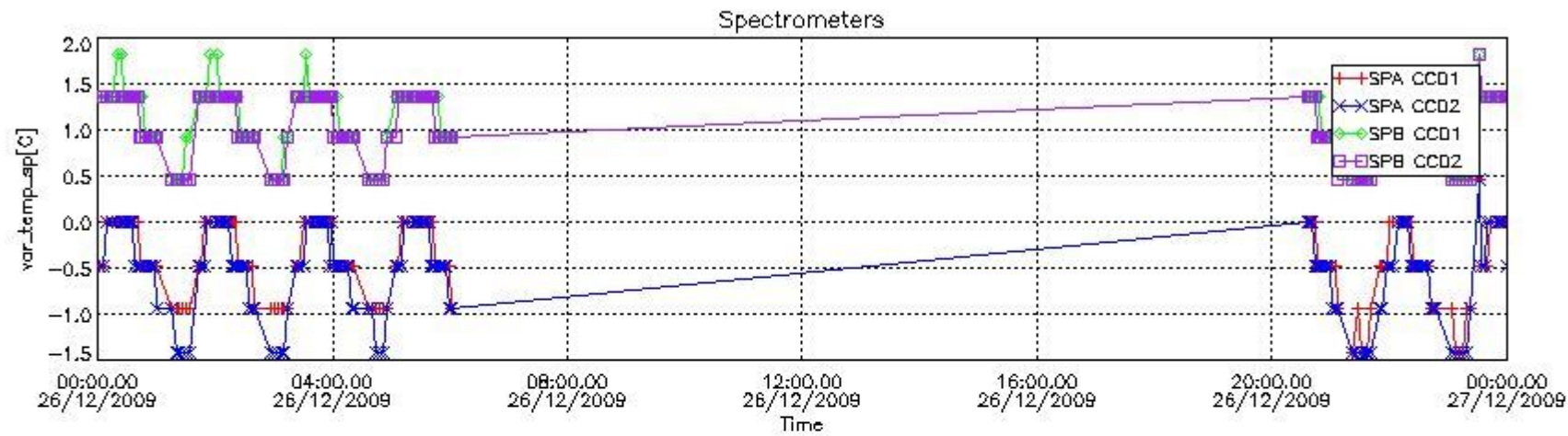
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20091226_000220_000000452085_00259_40894_0639.N1	26-DEC-2009 00:02:20	Bright	44.500	122	9Alp2Lib	2.7470	9700.0	89	40894	No
2	GOM_TRA_1PNPDE20091226_000446_000000592085_00259_40894_0640.N1	26-DEC-2009 00:04:46	Straylight	58.500	15	67Alp Vir	0.97600	28000.	117	40894	No
3	GOM_TRA_1PNPDE20091226_000902_000000442085_00259_40894_0641.N1	26-DEC-2009 00:09:02	Dark	44.000	54	5The Cen	2.0550	4500.0	88	40894	No
4	GOM_TRA_1PNPDE20091226_001508_000000472085_00260_40895_0642.N1	26-DEC-2009 00:15:08	Dark	46.500	64	Gam Cen	2.2000	10600.	93	40895	No
5	GOM_TRA_1PNPDE20091226_002107_000000502085_00260_40895_0643.N1	26-DEC-2009 00:21:07	Dark	49.500	113	Mu Vel	2.6920	5000.0	99	40895	No
6	GOM_TRA_1PNPDE20091226_002411_000000452085_00260_40895_0644.N1	26-DEC-2009 00:24:11	Dark	44.500	71	lot Car	2.2460	7700.0	89	40895	No
7	GOM_TRA_1PNPDE20091226_002554_000000442085_00260_40895_0645.N1	26-DEC-2009 00:25:54	Dark	43.500	41	Eps Car	1.8600	4100.0	87	40895	No
8	GOM_TRA_1PNPDE20091226_002857_000000452085_00260_40895_0646.N1	26-DEC-2009 00:28:57	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	40895	No
9	GOM_TRA_1PNPDE20091226_003109_000000492085_00260_40895_0647.N1	26-DEC-2009 00:31:09	Dark	48.500	70	Zet Pup	2.2460	39000.	97	40895	No
10	GOM_TRA_1PNPDE20091226_003327_000000492085_00260_40895_0648.N1	26-DEC-2009 00:33:27	Dark	48.500	117	Pi Pup	2.7060	3800.0	97	40895	No

11	GOM_TRA_1PNPDE20091226_003624_000000502085_00260_40895_0649.N1	26-DEC-2009 00:36:24	Straylight	50.000	23	21Eps CMa	1.5020	26000.	100	40895	No
12	GOM_TRA_1PNPDE20091226_003801_000000492085_00260_40895_0650.N1	26-DEC-2009 00:38:01	Straylight	49.000	179	24Omi2CMa	3.0320	24000.	98	40895	No
13	GOM_TRA_1PNPDE20091226_004040_000000552085_00260_40895_0651.N1	26-DEC-2009 00:40:40	Straylight	54.500	1	9Alp CMa	-1.4400	11000.	109	40895	No
14	GOM_TRA_1PNPDE20091226_004312_000000442085_00260_40895_0652.N1	26-DEC-2009 00:43:12	Straylight	44.000	56	53Kap Ori	2.0650	30000.	88	40895	No
15	GOM_TRA_1PNPDE20091226_004547_000000442085_00260_40895_0653.N1	26-DEC-2009 00:45:47	Straylight	44.000	30	46Eps Ori	1.6940	30000.	88	40895	No
16	GOM_TRA_1PNPDE20091226_004830_000000552085_00260_40895_0654.N1	26-DEC-2009 00:48:30	Tw_i_and_stray	54.500	14	58Alp Ori	0.87000	3000.0	109	40895	No
17	GOM_TRA_1PNPDE20091226_005231_000000472085_00260_40895_0655.N1	26-DEC-2009 00:52:31	Bright	46.500	176	23Zet Tau	3.0200	22000.	93	40895	No
18	GOM_TRA_1PNPDE20091226_005436_000000422085_00260_40895_0656.N1	26-DEC-2009 00:54:36	Bright	42.000	28	12Bet Tau	1.6500	15200.	84	40895	No
19	GOM_TRA_1PNPDE20091226_005742_000000402085_00260_40895_0657.N1	26-DEC-2009 00:57:42	Bright	39.500	107	37The Aur	2.6490	11000.	79	40895	No
20	GOM_TRA_1PNPDE20091226_005932_000000412085_00260_40895_0658.N1	26-DEC-2009 00:59:32	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	40895	No
21	GOM_TRA_1PNPDE20091226_011606_000000412085_00260_40895_0659.N1	26-DEC-2009 01:16:06	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	40895	No
22	GOM_TRA_1PNPDE20091226_012012_000000482085_00260_40895_0660.N1	26-DEC-2009 01:20:12	Bright	47.500	32	77Eps UMa	1.7630	11000.	95	40895	No
23	GOM_TRA_1PNPDE20091226_012312_000000422085_00260_40895_0661.N1	26-DEC-2009 01:23:12	Bright	42.000	39	85Eta UMa	1.8540	24000.	84	40895	No
24	GOM_TRA_1PNPDE20091226_012657_000000382085_00260_40895_0662.N1	26-DEC-2009 01:26:57	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	40895	No
25	GOM_TRA_1PNPDE20091226_013025_000000402085_00260_40895_0663.N1	26-DEC-2009 01:30:25	Bright	40.000	83		2.3780	11000.	80	40895	No
26	GOM_TRA_1PNPDE20091226_013412_000000692085_00260_40895_0664.N1	26-DEC-2009 01:34:12	Bright	68.500	111	8Eta Boo	2.6800	6000.0	137	40895	No
27	GOM_TRA_1PNPDE20091226_014257_000000442085_00260_40895_0656.N1	26-DEC-2009 01:42:57	Bright	43.500	122	9Alp2Lib	2.7470	9700.0	87	40895	No
28	GOM_TRA_1PNPDE20091226_014523_000000602085_00260_40895_0657.N1	26-DEC-2009 01:45:23	Straylight	59.500	15	67Alp Vir	0.97600	28000.	119	40895	No
29	GOM_TRA_1PNPDE20091226_014939_000000502085_00260_40895_0658.N1	26-DEC-2009 01:49:39	Dark	49.500	54	5The Cen	2.0550	4500.0	99	40895	No
30	GOM_TRA_1PNPDE20091226_015143_000000452085_00260_40895_0659.N1	26-DEC-2009 01:51:43	Dark	45.000	123	lot Cen	2.7500	10200.	90	40895	No
31	GOM_TRA_1PNPDE20091226_015544_000000442085_00261_40896_0660.N1	26-DEC-2009 01:55:44	Dark	43.500	64	Gam Cen	2.2000	10600.	87	40896	No
32	GOM_TRA_1PNPDE20091226_020144_000000552085_00261_40896_0661.N1	26-DEC-2009 02:01:44	Dark	55.000	113	Mu Vel	2.6920	5000.0	110	40896	No
33	GOM_TRA_1PNPDE20091226_020447_000000462085_00261_40896_0662.N1	26-DEC-2009 02:04:47	Dark	45.500	71	lot Car	2.2460	7700.0	91	40896	No
34	GOM_TRA_1PNPDE20091226_020630_000000452085_00261_40896_0663.N1	26-DEC-2009 02:06:30	Dark	45.000	41	Eps Car	1.8600	4100.0	90	40896	No
35	GOM_TRA_1PNPDE20091226_020934_000000452085_00261_40896_0664.N1	26-DEC-2009 02:09:34	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	40896	No
36	GOM_TRA_1PNPDE20091226_021146_000000492085_00261_40896_0665.N1	26-DEC-2009 02:11:46	Dark	49.000	70	Zet Pup	2.2460	39000.	98	40896	No
37	GOM_TRA_1PNPDE20091226_021403_000000512085_00261_40896_0666.N1	26-DEC-2009 02:14:03	Dark	50.500	117	Pi Pup	2.7060	3800.0	101	40896	No
38	GOM_TRA_1PNPDE20091226_021700_000000492085_00261_40896_0667.N1	26-DEC-2009 02:17:00	Straylight	49.000	23	21Eps CMa	1.5020	26000.	98	40896	No
39	GOM_TRA_1PNPDE20091226_021837_000000482085_00261_40896_0668.N1	26-DEC-2009 02:18:37	Straylight	48.000	179	24Omi2CMa	3.0320	24000.	96	40896	No
40	GOM_TRA_1PNPDE20091226_022116_000000542085_00261_40896_0669.N1	26-DEC-2009 02:21:16	Straylight	53.500	1	9Alp CMa	-1.4400	11000.	107	40896	No
41	GOM_TRA_1PNPDE20091226_022349_000000442085_00261_40896_0670.N1	26-DEC-2009 02:23:49	Straylight	44.000	56	53Kap Ori	2.0650	30000.	88	40896	No
42	GOM_TRA_1PNPDE20091226_022623_000000442085_00261_40896_0671.N1	26-DEC-2009 02:26:23	Straylight	43.500	30	46Eps Ori	1.6940	30000.	87	40896	No
43	GOM_TRA_1PNPDE20091226_022905_000000572085_00261_40896_0672.N1	26-DEC-2009 02:29:05	Tw_i_and_stray	56.500	14	58Alp Ori	0.87000	3000.0	113	40896	No
44	GOM_TRA_1PNPDE20091226_023249_000000612085_00261_40896_0673.N1	26-DEC-2009 02:32:49	Bright	60.500	44	24Gam Gem	1.9280	11000.	121	40896	No
45	GOM_TRA_1PNPDE20091226_023512_000000412085_00261_40896_0674.N1	26-DEC-2009 02:35:12	Bright	41.000	28	12Bet Tau	1.6500	15200.	82	40896	No
46	GOM_TRA_1PNPDE20091226_023818_000000592085_00261_40896_0675.N1	26-DEC-2009 02:38:18	Bright	59.000	107	37The Aur	2.6490	11000.	118	40896	No
47	GOM_TRA_1PNPDE20091226_024008_000000462085_00261_40896_0676.N1	26-DEC-2009 02:40:08	Bright	45.500	6	13Alp Aur	0.080000	3400.0	91	40896	No
48	GOM_TRA_1PNPDE20091226_025642_000000392085_00261_40896_0677.N1	26-DEC-2009 02:56:42	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	40896	No
49	GOM_TRA_1PNPDE20091226_030047_000000482085_00261_40896_0688.N1	26-DEC-2009 03:00:47	Bright	47.500	32	77Eps UMa	1.7630	11000.	95	40896	No
50	GOM_TRA_1PNPDE20091226_030348_000000422085_00261_40896_0689.N1	26-DEC-2009 03:03:48	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	40896	No
51	GOM_TRA_1PNPDE20091226_030733_000000382085_00261_40896_0690.N1	26-DEC-2009 03:07:33	Bright	37.500	180	27Gam Boo	3.0400	8000.0	75	40896	No
52	GOM_TRA_1PNPDE20091226_031102_000000582085_00261_40896_0691.N1	26-DEC-2009 03:11:02	Bright	58.000	83		2.3780	11000.	116	40896	No
53	GOM_TRA_1PNPDE20091226_031448_000000652085_00261_40896_0692.N1	26-DEC-2009 03:14:48	Bright	64.500	111	8Eta Boo	2.6800	6000.0	129	40896	No
54	GOM_TRA_1PNPDE20091226_032333_000000412085_00261_40896_0693.N1	26-DEC-2009 03:23:33	Bright	40.500	122	9Alp2Lib	2.7470	9700.0	81	40896	No
55	GOM_TRA_1PNPDE20091226_032600_000000622085_00261_40896_0694.N1	26-DEC-2009 03:26:00	Straylight	61.500	15	67Alp Vir	0.97600	28000.	123	40896	No
56	GOM_TRA_1PNPDE20091226_033015_000000452085_00261_40896_0695.N1	26-DEC-2009 03:30:15	Dark	45.000	54	5The Cen	2.0550	4500.0	90	40896	No
57	GOM_TRA_1PNPDE20091226_033220_000000432085_00261_40896_0696.N1	26-DEC-2009 03:32:20	Dark	43.000	123	lot Cen	2.7500	10200.	86	40896	No
58	GOM_TRA_1PNPDE20091226_033621_000000442085_00262_40897_0697.N1	26-DEC-2009 03:36:21	Dark	43.500	64	Gam Cen	2.2000	10600.	87	40897	No
59	GOM_TRA_1PNPDE20091226_034221_000000522085_00262_40897_0698.N1	26-DEC-2009 03:42:21	Dark	51.500	113	Mu Vel	2.6920	5000.0	103	40897	No
60	GOM_TRA_1PNPDE20091226_034524_000000422085_00262_40897_0699.N1	26-DEC-2009 03:45:24	Dark	42.000	71	lot Car	2.2460	7700.0	84	40897	No
61	GOM_TRA_1PNPDE20091226_034707_000000482085_00262_40897_0700.N1	26-DEC-2009 03:47:07	Dark	48.000	41	Eps Car	1.8600	4100.0	96	40897	No
62	GOM_TRA_1PNPDE20091226_035011_000000482085_00262_40897_0701.N1	26-DEC-2009 03:50:11	Dark	48.000	34	Gam2Vel	1.7930	23000.	96	40897	No
63	GOM_TRA_1PNPDE20091226_035222_000000482085_00262_40897_0702.N1	26-DEC-2009 03:52:22	Dark	47.500	70	Zet Pup	2.2460	39000.	95	40897	No
64	GOM_TRA_1PNPDE20091226_035440_000000482085_00262_40897_0703.N1	26-DEC-2009 03:54:40	Dark	47.500	117	Pi Pup	2.7060	3800.0	95	40897	No
65	GOM_TRA_1PNPDE20091226_035736_000000492085_00262_40897_0704.N1	26-DEC-2009 03:57:36	Straylight	49.000	23	21Eps CMa	1.5020	26000.	98	40897	No
66	GOM_TRA_1PNPDE20091226_035914_000000492085_00262_40897_0705.N1	26-DEC-2009 03:59:14	Straylight	48.500	179	24Omi2CMa	3.0320	24000.	97	40897	No
67	GOM_TRA_1PNPDE20091226_040152_000000542085_00262_40897_0706.N1	26-DEC-2009 04:01:52	Straylight	54.000	1	9Alp CMa	-1.4400	11000.	108	40897	No
68	GOM_TRA_1PNPDE20091226_040425_000000442085_00262_40897_0707.N1	26-DEC-2009 04:04:25	Straylight	43.500	56	53Kap Ori	2.0650	30000.	87	40897	No
69	GOM_TRA_1PNPDE20091226_040659_000000432085_00262_40897_0708.N1	26-DEC-2009 04:06:59	Straylight	42.500	30	46Eps Ori	1.6940	30000.	85	40897	No

70	GOM_TRA_1PNPDE20091226_040941_000000582085_00262_40897_0709.N1	26-DEC-2009 04:09:41	Twilight	58.000	14	58Alp Ori	0.87000	3000.0	116	40897	No
71	GOM_TRA_1PNPDE20091226_041325_000000592085_00262_40897_0710.N1	26-DEC-2009 04:13:25	Bright	59.000	44	24Gam Gem	1.9280	11000.	118	40897	No
72	GOM_TRA_1PNPDE20091226_041548_000000422085_00262_40897_0711.N1	26-DEC-2009 04:15:48	Bright	41.500	28	12Bet Tau	1.6500	15200.	83	40897	No
73	GOM_TRA_1PNPDE20091226_041854_000000592085_00262_40897_0712.N1	26-DEC-2009 04:18:54	Bright	59.000	107	37The Aur	2.6490	11000.	118	40897	No
74	GOM_TRA_1PNPDE20091226_042044_000000432085_00262_40897_0713.N1	26-DEC-2009 04:20:44	Bright	42.500	6	13Alp Aur	0.080000	3400.0	85	40897	No
75	GOM_TRA_1PNPDE20091226_043718_000000332085_00262_40897_0712.N1	26-DEC-2009 04:37:18	Bright	32.500	60	7Bet UMi	2.0810	3950.0	65	40897	No
76	GOM_TRA_1PNPDE20091226_044123_000000462085_00262_40897_0713.N1	26-DEC-2009 04:41:23	Bright	45.500	32	77Eps UMa	1.7630	11000.	91	40897	No
77	GOM_TRA_1PNPDE20091226_044424_000000432085_00262_40897_0714.N1	26-DEC-2009 04:44:24	Bright	42.500	39	85Eta UMa	1.8540	24000.	85	40897	No
78	GOM_TRA_1PNPDE20091226_044810_000000382085_00262_40897_0715.N1	26-DEC-2009 04:48:10	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	40897	No
79	GOM_TRA_1PNPDE20091226_045138_000000412085_00262_40897_0716.N1	26-DEC-2009 04:51:38	Bright	40.500	83		2.3780	11000.	81	40897	No
80	GOM_TRA_1PNPDE20091226_045525_000000482085_00262_40897_0717.N1	26-DEC-2009 04:55:25	Bright	47.500	111	8Eta Boo	2.6800	6000.0	95	40897	No
81	GOM_TRA_1PNPDE20091226_050410_000000422085_00262_40897_0718.N1	26-DEC-2009 05:04:10	Bright	42.000	122	9Alp2Lib	2.7470	9700.0	84	40897	No
82	GOM_TRA_1PNPDE20091226_050638_000000622085_00262_40897_0719.N1	26-DEC-2009 05:06:38	Straylight	61.500	15	67Alp Vir	0.97600	28000.	123	40897	No
83	GOM_TRA_1PNPDE20091226_051052_000000462085_00262_40897_0720.N1	26-DEC-2009 05:10:52	Dark	45.500	54	5The Cen	2.0550	4500.0	91	40897	No
84	GOM_TRA_1PNPDE20091226_051257_000000432085_00262_40897_0721.N1	26-DEC-2009 05:12:57	Dark	43.000	123	lot Cen	2.7500	10200.	86	40897	No
85	GOM_TRA_1PNPDE20091226_051658_000000442085_00263_40898_0722.N1	26-DEC-2009 05:16:58	Dark	44.000	64	Gam Cen	2.2000	10600.	88	40898	No
86	GOM_TRA_1PNPDE20091226_052258_000000452085_00263_40898_0723.N1	26-DEC-2009 05:22:58	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	40898	No
87	GOM_TRA_1PNPDE20091226_052600_000000422085_00263_40898_0724.N1	26-DEC-2009 05:26:00	Dark	41.500	71	lot Car	2.2460	7700.0	83	40898	No
88	GOM_TRA_1PNPDE20091226_052743_000000452085_00263_40898_0725.N1	26-DEC-2009 05:27:43	Dark	44.500	41	Eps Car	1.8600	4100.0	89	40898	No
89	GOM_TRA_1PNPDE20091226_053047_000000462085_00263_40898_0726.N1	26-DEC-2009 05:30:47	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	40898	No
90	GOM_TRA_1PNPDE20091226_053259_000000492085_00263_40898_0727.N1	26-DEC-2009 05:32:59	Dark	48.500	70	Zet Pup	2.2460	39000.	97	40898	No
91	GOM_TRA_1PNPDE20091226_053516_000000482085_00263_40898_0728.N1	26-DEC-2009 05:35:16	Dark	47.500	117	Pi Pup	2.7060	3800.0	95	40898	No
92	GOM_TRA_1PNPDE20091226_053813_000000492085_00263_40898_0729.N1	26-DEC-2009 05:38:13	Straylight	48.500	23	21Eps CMa	1.5020	26000.	97	40898	No
93	GOM_TRA_1PNPDE20091226_053950_000000472085_00263_40898_0730.N1	26-DEC-2009 05:39:50	Straylight	46.500	179	24Omi2CMa	3.0320	24000.	93	40898	No
94	GOM_TRA_1PNPDE20091226_054228_000000542085_00263_40898_0731.N1	26-DEC-2009 05:42:28	Straylight	53.500	1	9Alp CMa	-1.4400	11000.	107	40898	No
95	GOM_TRA_1PNPDE20091226_054501_000000422085_00263_40898_0732.N1	26-DEC-2009 05:45:01	Straylight	42.000	56	53Kap Ori	2.0650	30000.	84	40898	No
96	GOM_TRA_1PNPDE20091226_054735_000000442085_00263_40898_0733.N1	26-DEC-2009 05:47:35	Straylight	44.000	30	46Eps Ori	1.6940	30000.	88	40898	No
97	GOM_TRA_1PNPDE20091226_055017_000000552085_00263_40898_0734.N1	26-DEC-2009 05:50:17	Twilight	55.000	14	58Alp Ori	0.87000	3000.0	110	40898	No
98	GOM_TRA_1PNPDE20091226_055400_000000612085_00263_40898_0735.N1	26-DEC-2009 05:54:00	Bright	60.500	44	24Gam Gem	1.9280	11000.	121	40898	No
99	GOM_TRA_1PNPDE20091226_055624_000000412085_00263_40898_0736.N1	26-DEC-2009 05:56:24	Bright	40.500	28	12Bet Tau	1.6500	15200.	81	40898	No
100	GOM_TRA_1PNPDE20091226_055929_000000402085_00263_40898_0737.N1	26-DEC-2009 05:59:29	Bright	39.500	107	37The Aur	2.6490	11000.	79	40898	No
101	GOM_TRA_1PNPDE20091226_060120_000000432085_00263_40898_0738.N1	26-DEC-2009 06:01:20	Bright	43.000	6	13Alp Aur	0.080000	3400.0	86	40898	No
102	GOM_TRA_1PNPDE20091226_203616_000000462085_00272_40907_0903.N1	26-DEC-2009 20:36:16	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	40907	No
103	GOM_TRA_1PNPDE20091226_203828_000000492085_00272_40907_0904.N1	26-DEC-2009 20:38:28	Dark	48.500	70	Zet Pup	2.2460	39000.	97	40907	No
104	GOM_TRA_1PNPDE20091226_204043_000000512085_00272_40907_0905.N1	26-DEC-2009 20:40:43	Dark	51.000	117	Pi Pup	2.7060	3800.0	102	40907	No
105	GOM_TRA_1PNPDE20091226_204339_000000492085_00272_40907_0906.N1	26-DEC-2009 20:43:39	Straylight	48.500	23	21Eps CMa	1.5020	26000.	97	40907	No
106	GOM_TRA_1PNPDE20091226_204516_000000492085_00272_40907_0907.N1	26-DEC-2009 20:45:16	Straylight	48.500	179	24Omi2CMa	3.0320	24000.	97	40907	No
107	GOM_TRA_1PNPDE20091226_204752_000000522085_00272_40907_0908.N1	26-DEC-2009 20:47:52	Straylight	51.500	1	9Alp CMa	-1.4400	11000.	103	40907	No
108	GOM_TRA_1PNPDE20091226_205025_000000452085_00272_40907_0909.N1	26-DEC-2009 20:50:25	Straylight	44.500	56	53Kap Ori	2.0650	30000.	89	40907	No
109	GOM_TRA_1PNPDE20091226_205258_000000442085_00272_40907_0910.N1	26-DEC-2009 20:52:58	Straylight	43.500	30	46Eps Ori	1.6940	30000.	87	40907	No
110	GOM_TRA_1PNPDE20091226_205539_000000502085_00272_40907_0911.N1	26-DEC-2009 20:55:39	Twilight	50.000	14	58Alp Ori	0.87000	3000.0	100	40907	No
111	GOM_TRA_1PNPDE20091226_205919_000000602085_00272_40907_0912.N1	26-DEC-2009 20:59:19	Bright	59.500	44	24Gam Gem	1.9280	11000.	119	40907	No
112	GOM_TRA_1PNPDE20091226_210146_000000412085_00272_40907_0913.N1	26-DEC-2009 21:01:46	Bright	40.500	28	12Bet Tau	1.6500	15200.	81	40907	No
113	GOM_TRA_1PNPDE20091226_210450_000000402085_00272_40907_0914.N1	26-DEC-2009 21:04:50	Bright	39.500	107	37The Aur	2.6490	11000.	79	40907	No
114	GOM_TRA_1PNPDE20091226_210641_000000422085_00272_40907_0915.N1	26-DEC-2009 21:06:41	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	40907	No
115	GOM_TRA_1PNPDE20091226_212223_000000462085_00272_40907_0916.N1	26-DEC-2009 21:22:23	Bright	46.000	36	50Alp UMa	1.8000	6300.0	92	40907	No
116	GOM_TRA_1PNPDE20091226_212719_000000482085_00272_40907_0917.N1	26-DEC-2009 21:27:19	Bright	47.500	32	77Eps UMa	1.7630	11000.	95	40907	No
117	GOM_TRA_1PNPDE20091226_213021_000000422085_00272_40907_0918.N1	26-DEC-2009 21:30:21	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	40907	No
118	GOM_TRA_1PNPDE20091226_213409_000000462085_00272_40907_0919.N1	26-DEC-2009 21:34:09	Bright	46.000	180	27Gam Boo	3.0400	8000.0	92	40907	No
119	GOM_TRA_1PNPDE20091226_213739_000000582085_00272_40907_0920.N1	26-DEC-2009 21:37:39	Bright	58.000	83		2.3780	11000.	116	40907	No
120	GOM_TRA_1PNPDE20091226_214129_000000702085_00272_40907_0921.N1	26-DEC-2009 21:41:29	Bright	69.500	111	8Eta Boo	2.6800	6000.0	139	40907	No
121	GOM_TRA_1PNPDE20091226_215014_000000472085_00272_40907_0900.N1	26-DEC-2009 21:50:14	Bright	46.500	122	9Alp2Lib	2.7470	9700.0	93	40907	No
122	GOM_TRA_1PNPDE20091226_215248_000000642085_00272_40907_0901.N1	26-DEC-2009 21:52:48	Straylight	64.000	15	67Alp Vir	0.97600	28000.	128	40907	No
123	GOM_TRA_1PNPDE20091226_215658_000000532085_00272_40907_0902.N1	26-DEC-2009 21:56:58	Dark	53.000	54	5The Cen	2.0550	4500.0	106	40907	No
124	GOM_TRA_1PNPDE20091226_215905_000000432085_00272_40907_0903.N1	26-DEC-2009 21:59:05	Dark	43.000	123	lot Cen	2.7500	10200.	86	40907	No
125	GOM_TRA_1PNPDE20091226_220305_000000422085_00273_40908_0904.N1	26-DEC-2009 22:03:05	Dark	41.500	64	Gam Cen	2.2000	10600.	83	40908	No
126	GOM_TRA_1PNPDE20091226_220906_000000492085_00273_40908_0905.N1	26-DEC-2009 22:09:06	Dark	48.500	113	Mu Vel	2.6920	5000.0	97	40908	No
127	GOM_TRA_1PNPDE20091226_221205_000000482085_00273_40908_0906.N1	26-DEC-2009 22:12:05	Dark	47.500	71	lot Car	2.2460	7700.0	95	40908	No
128	GOM_TRA_1PNPDE20091226_221347_000000462085_00273_40908_0907.N1	26-DEC-2009 22:13:47	Dark	45.500	41	Eps Car	1.8600	4100.0	91	40908	No

129	GOM_TRA_1PNPDE20091226_221652_000000432085_00273_40908_0908.N1	26-DEC-2009 22:16:52	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	40908	No
130	GOM_TRA_1PNPDE20091226_221904_000000462085_00273_40908_0909.N1	26-DEC-2009 22:19:04	Dark	46.000	70	Zet Pup	2.2460	39000.	92	40908	No
131	GOM_TRA_1PNPDE20091226_222120_000000492085_00273_40908_0910.N1	26-DEC-2009 22:21:20	Dark	49.000	117	Pi Pup	2.7060	3800.0	98	40908	No
132	GOM_TRA_1PNPDE20091226_222415_000000492085_00273_40908_0911.N1	26-DEC-2009 22:24:15	Straylight	48.500	23	21Eps CMa	1.5020	26000.	97	40908	No
133	GOM_TRA_1PNPDE20091226_222552_000000472085_00273_40908_0912.N1	26-DEC-2009 22:25:52	Straylight	47.000	179	24Omi2CMa	3.0320	24000.	94	40908	No
134	GOM_TRA_1PNPDE20091226_222828_000000532085_00273_40908_0913.N1	26-DEC-2009 22:28:28	Straylight	53.000	1	9Alp CMa	-1.4400	11000.	106	40908	No
135	GOM_TRA_1PNPDE20091226_223101_000000442085_00273_40908_0914.N1	26-DEC-2009 22:31:01	Straylight	43.500	56	53Kap Ori	2.0650	30000.	87	40908	No
136	GOM_TRA_1PNPDE20091226_223334_000000442085_00273_40908_0915.N1	26-DEC-2009 22:33:34	Straylight	44.000	30	46Eps Ori	1.6940	30000.	88	40908	No
137	GOM_TRA_1PNPDE20091226_223615_000000542085_00273_40908_0916.N1	26-DEC-2009 22:36:15	Twilight_stray	53.500	14	58Alp Ori	0.87000	3000.0	107	40908	No
138	GOM_TRA_1PNPDE20091226_223955_000000532085_00273_40908_0917.N1	26-DEC-2009 22:39:55	Bright	52.500	44	24Gam Gem	1.9280	11000.	105	40908	No
139	GOM_TRA_1PNPDE20091226_224222_000000422085_00273_40908_0918.N1	26-DEC-2009 22:42:22	Bright	41.500	28	12Bet Tau	1.6500	15200.	83	40908	No
140	GOM_TRA_1PNPDE20091226_224525_000000402085_00273_40908_0919.N1	26-DEC-2009 22:45:25	Bright	39.500	107	37The Aur	2.6490	11000.	79	40908	No
141	GOM_TRA_1PNPDE20091226_224717_000000452085_00273_40908_0920.N1	26-DEC-2009 22:47:17	Bright	44.500	6	13Alp Aur	0.080000	3400.0	89	40908	No
142	GOM_TRA_1PNPDE20091226_230258_000000452085_00273_40908_0921.N1	26-DEC-2009 23:02:58	Bright	45.000	36	50Alp UMa	1.8000	6300.0	90	40908	No
143	GOM_TRA_1PNPDE20091226_230755_000000472085_00273_40908_0922.N1	26-DEC-2009 23:07:55	Bright	46.500	32	77Eps UMa	1.7630	11000.	93	40908	No
144	GOM_TRA_1PNPDE20091226_231057_000000472085_00273_40908_0923.N1	26-DEC-2009 23:10:57	Bright	46.500	39	85Eta UMa	1.8540	24000.	93	40908	No
145	GOM_TRA_1PNPDE20091226_231445_000000592085_00273_40908_0924.N1	26-DEC-2009 23:14:45	Bright	59.000	180	27Gam Boo	3.0400	8000.0	118	40908	No
146	GOM_TRA_1PNPDE20091226_231815_000000582085_00273_40908_0925.N1	26-DEC-2009 23:18:15	Bright	58.000	83		2.3780	11000.	116	40908	No
147	GOM_TRA_1PNPDE20091226_232205_000000702085_00273_40908_0926.N1	26-DEC-2009 23:22:05	Bright	70.000	111	8Eta Boo	2.6800	6000.0	140	40908	No
148	GOM_TRA_1PNPDE20091226_233050_000000452085_00273_40908_0885.N1	26-DEC-2009 23:30:50	Bright	45.000	122	9Alp2Lib	2.7470	9700.0	90	40908	Yes
149	GOM_TRA_1PNPDE20091226_233325_000000582085_00273_40908_0886.N1	26-DEC-2009 23:33:25	Straylight	57.500	15	67Alp Vir	0.97600	28000.	115	40908	No
150	GOM_TRA_1PNPDE20091226_233734_000000522085_00273_40908_0887.N1	26-DEC-2009 23:37:34	Dark	51.500	54	5The Cen	2.0550	4500.0	103	40908	No
151	GOM_TRA_1PNPDE20091226_233941_000000442085_00273_40908_0888.N1	26-DEC-2009 23:39:41	Dark	43.500	123	1ot Cen	2.7500	10200.	87	40908	No
152	GOM_TRA_1PNPDE20091226_234341_000000442085_00274_40909_0889.N1	26-DEC-2009 23:43:41	Dark	44.000	64	Gam Cen	2.2000	10600.	88	40909	No
153	GOM_TRA_1PNPDE20091226_234943_000000512085_00274_40909_0890.N1	26-DEC-2009 23:49:43	Dark	50.500	113	Mu Vel	2.6920	5000.0	101	40909	No
154	GOM_TRA_1PNPDE20091226_235242_000000532085_00274_40909_0891.N1	26-DEC-2009 23:52:42	Dark	52.500	71	1ot Car	2.2460	7700.0	105	40909	No
155	GOM_TRA_1PNPDE20091226_235424_000000452085_00274_40909_0892.N1	26-DEC-2009 23:54:24	Dark	44.500	41	Eps Car	1.8600	4100.0	89	40909	No
156	GOM_TRA_1PNPDE20091226_235729_000000462085_00274_40909_0893.N1	26-DEC-2009 23:57:29	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	40909	No
157	GOM_TRA_1PNPDE20091226_235941_000000472085_00274_40909_0894.N1	26-DEC-2009 23:59:41	Dark	47.000	70	Zet Pup	2.2460	39000.	94	40909	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).

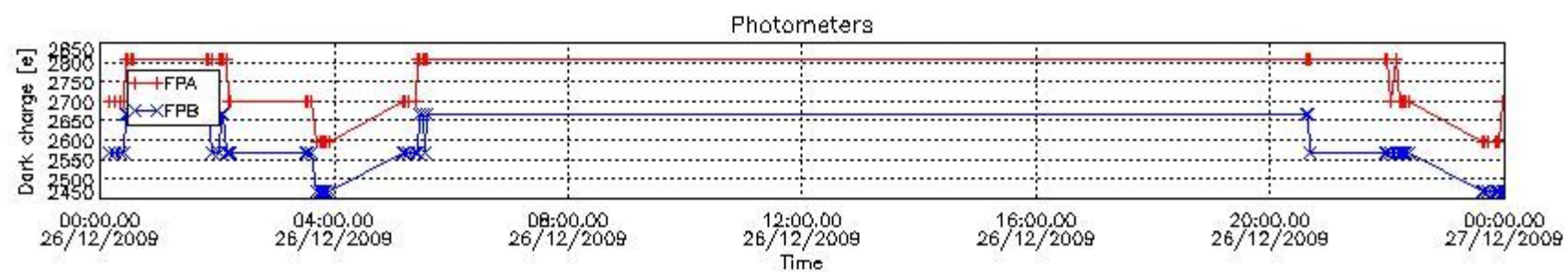
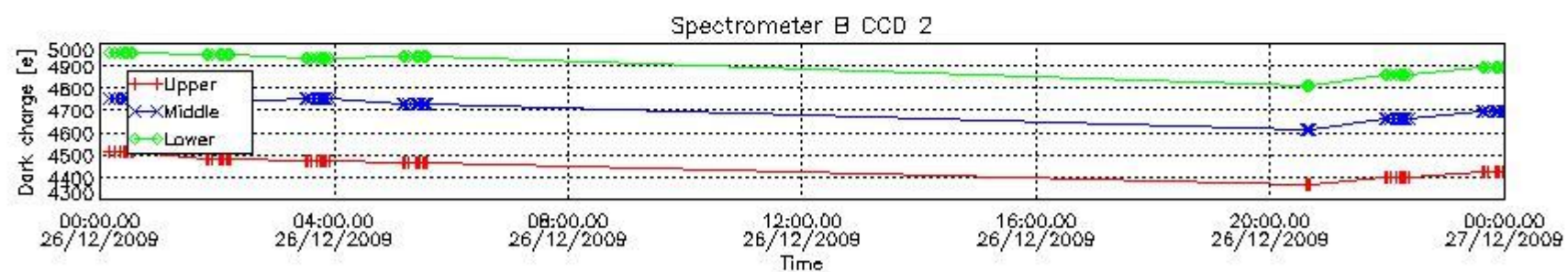
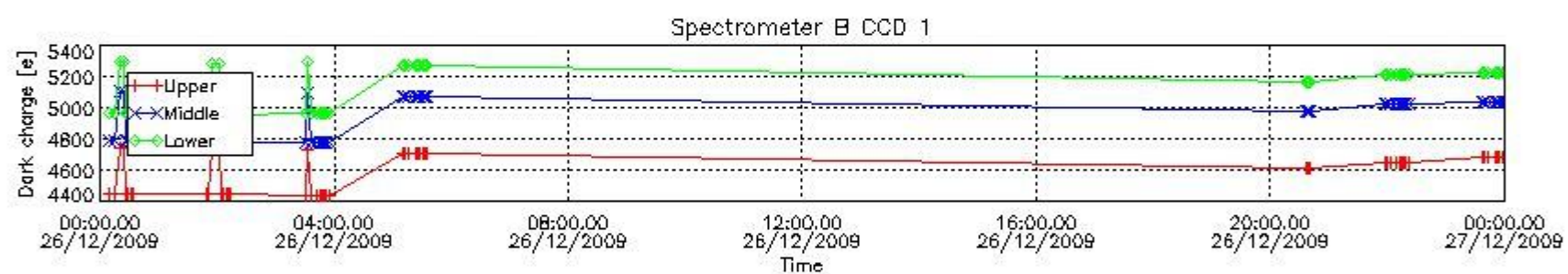
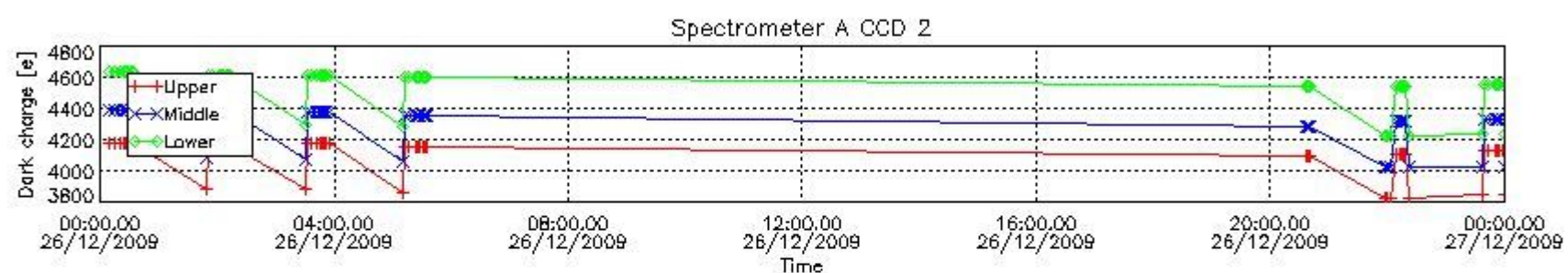
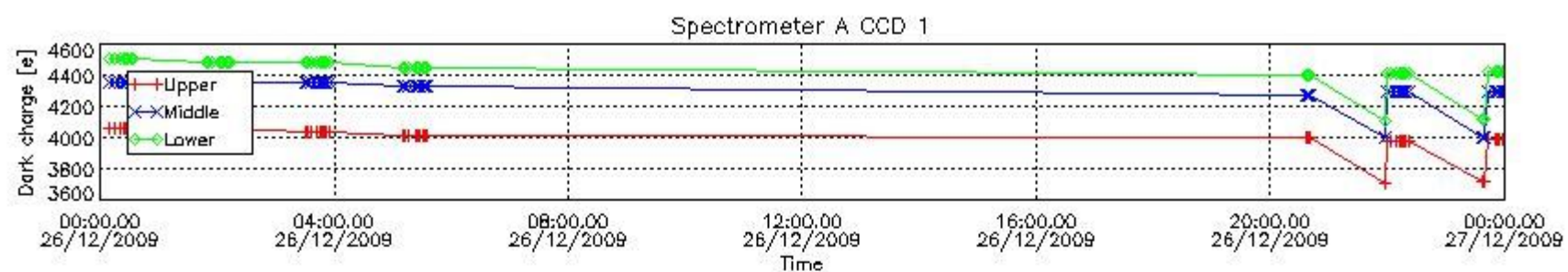
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20091226_203616_000000462085_00272_40907_0903.N1	DC map used
GOM_TRA_1PNPDE20091226_203828_000000492085_00272_40907_0904.N1	DC map used
GOM_TRA_1PNPDE20091226_204043_000000512085_00272_40907_0905.N1	DC map used
GOM_TRA_1PNPDE20091226_204339_000000492085_00272_40907_0906.N1	DC map used
GOM_TRA_1PNPDE20091226_204516_000000492085_00272_40907_0907.N1	DC map used
GOM_TRA_1PNPDE20091226_204752_000000522085_00272_40907_0908.N1	DC map used
GOM_TRA_1PNPDE20091226_205025_000000452085_00272_40907_0909.N1	DC map used
GOM_TRA_1PNPDE20091226_205258_000000442085_00272_40907_0910.N1	DC map used
GOM_TRA_1PNPDE20091226_205539_000000502085_00272_40907_0911.N1	DC map used
GOM_TRA_1PNPDE20091226_205919_000000602085_00272_40907_0912.N1	DC map used
GOM_TRA_1PNPDE20091226_210146_000000412085_00272_40907_0913.N1	DC map used
GOM_TRA_1PNPDE20091226_210450_000000402085_00272_40907_0914.N1	DC map used
GOM_TRA_1PNPDE20091226_210641_000000422085_00272_40907_0915.N1	DC map used
GOM_TRA_1PNPDE20091226_212223_000000462085_00272_40907_0916.N1	DC map used

GOM_TRA_1PNPDE20091226_212719_000000482085_00272_40907_0917.N1	DC map used
GOM_TRA_1PNPDE20091226_213021_000000422085_00272_40907_0918.N1	DC map used
GOM_TRA_1PNPDE20091226_213409_000000462085_00272_40907_0919.N1	DC map used
GOM_TRA_1PNPDE20091226_213739_000000582085_00272_40907_0920.N1	DC map used
GOM_TRA_1PNPDE20091226_214129_000000702085_00272_40907_0921.N1	DC map used

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



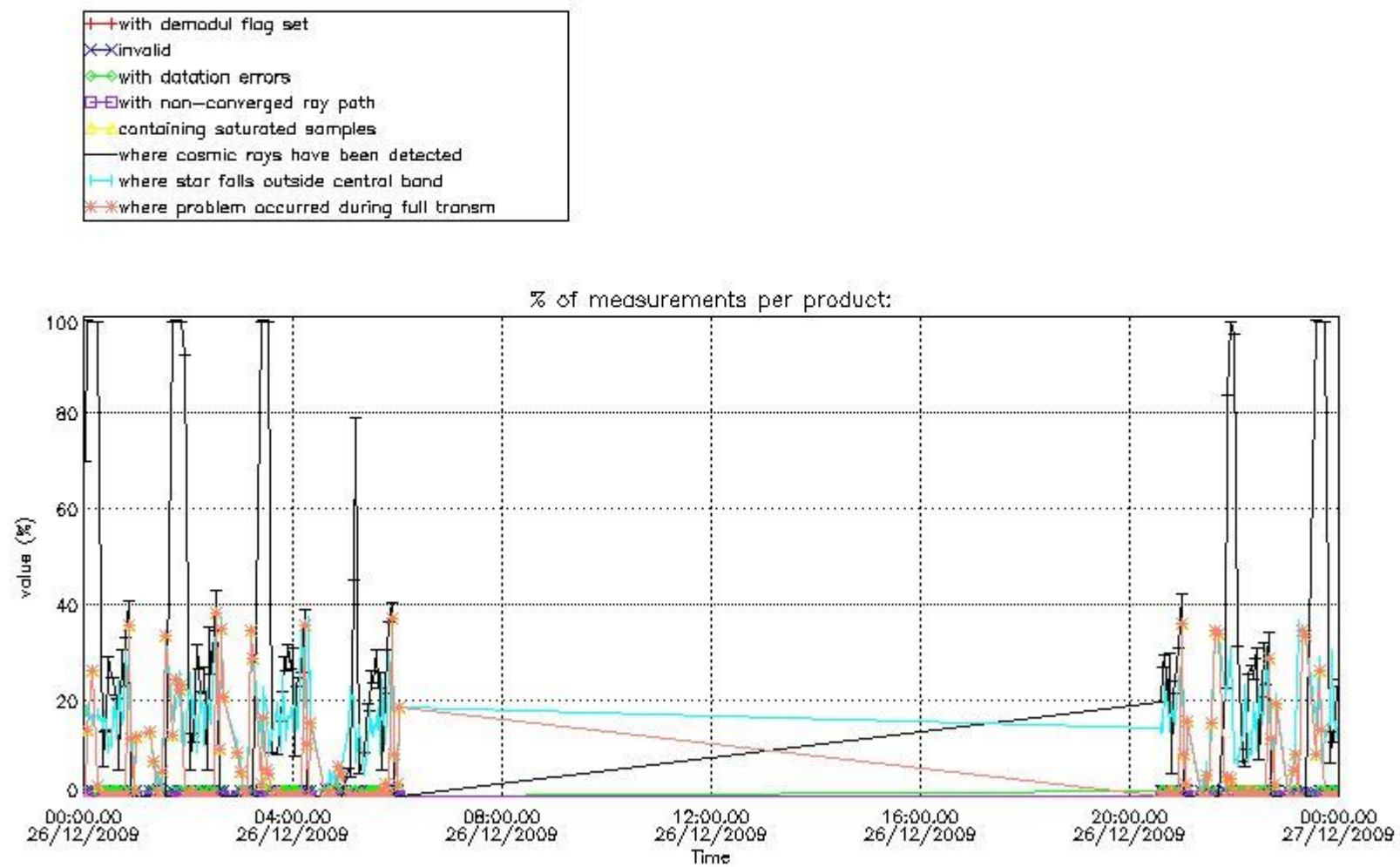
5. Demodulation flag and quality information monitoring

In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

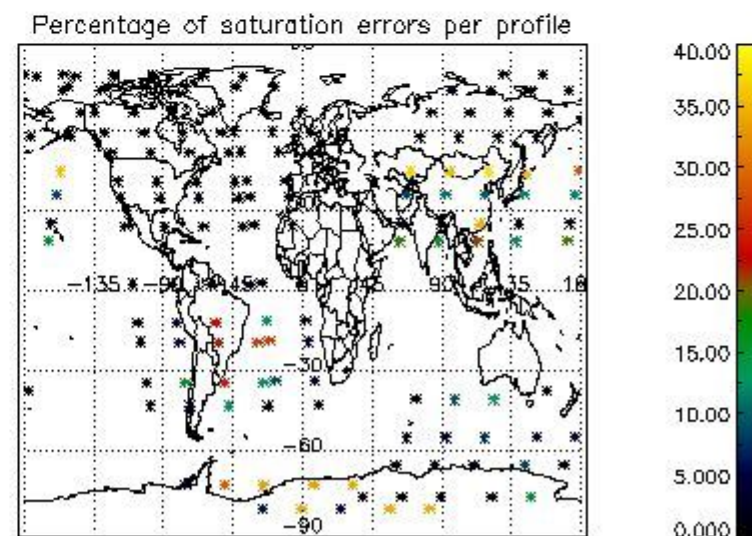
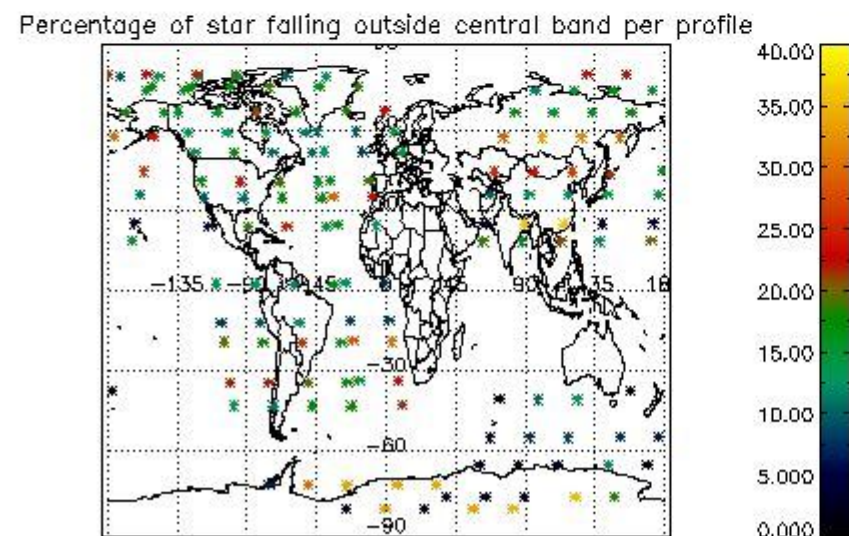
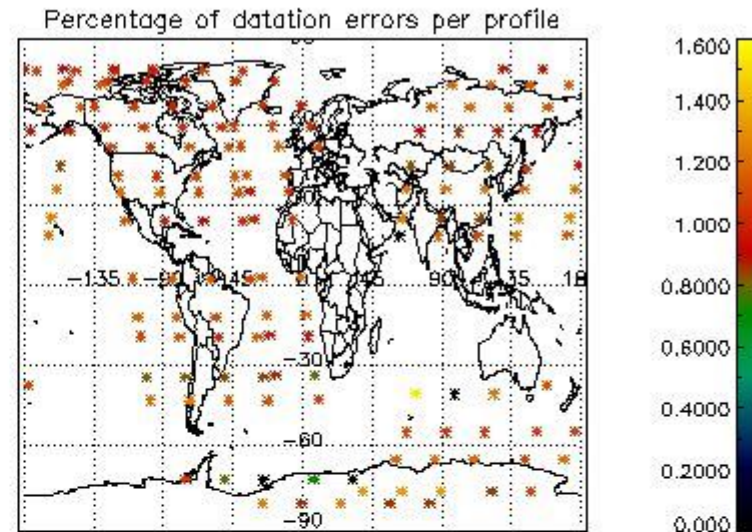
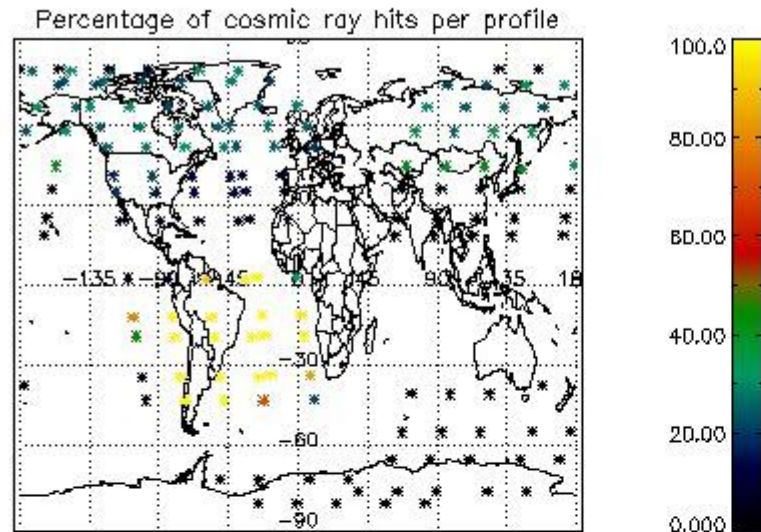
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	50.6410 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



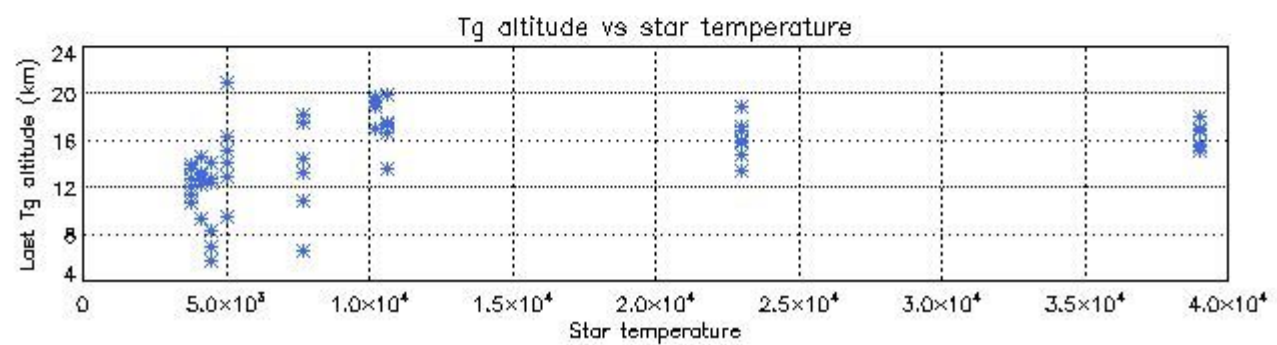
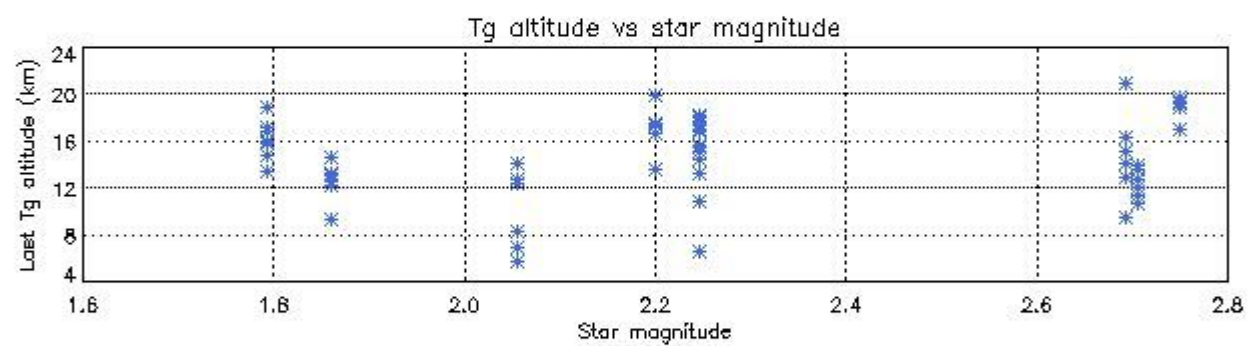
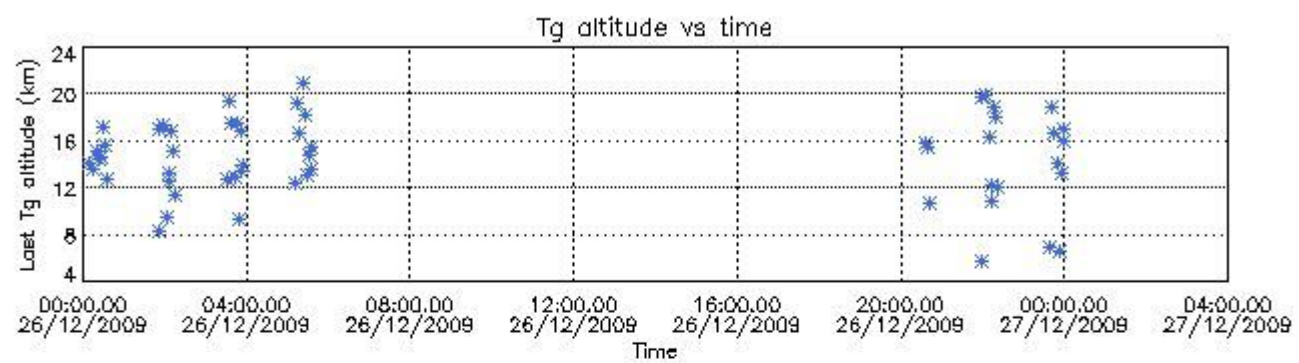
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.562	15.413	NaN
St. deviation:	3.4803	6.9457	NaN
Maximum:	21.006	31.890	NaN
Minimum:	5.7081	3.9395	NaN
Number of data:	55.000	59.000	NaN

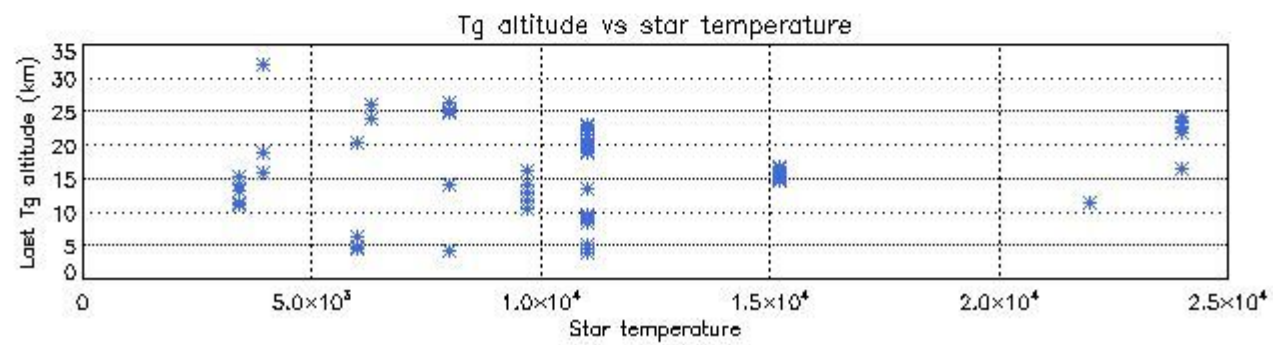
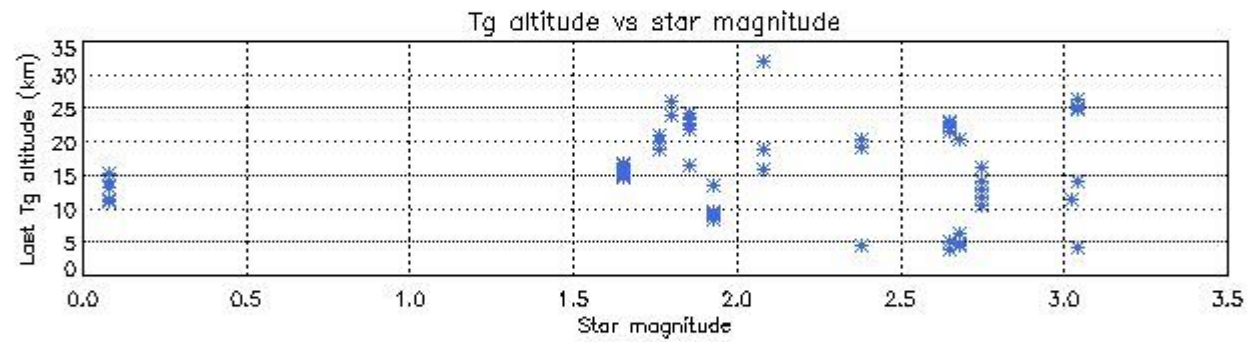
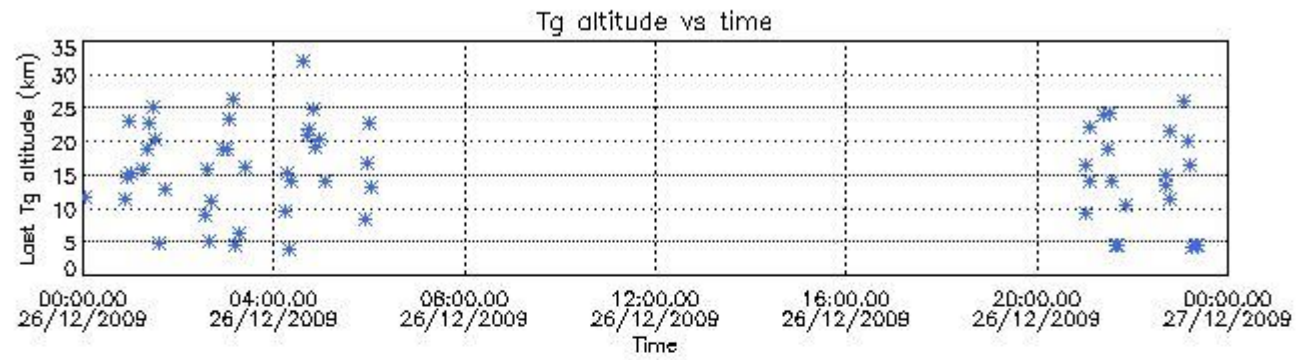
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

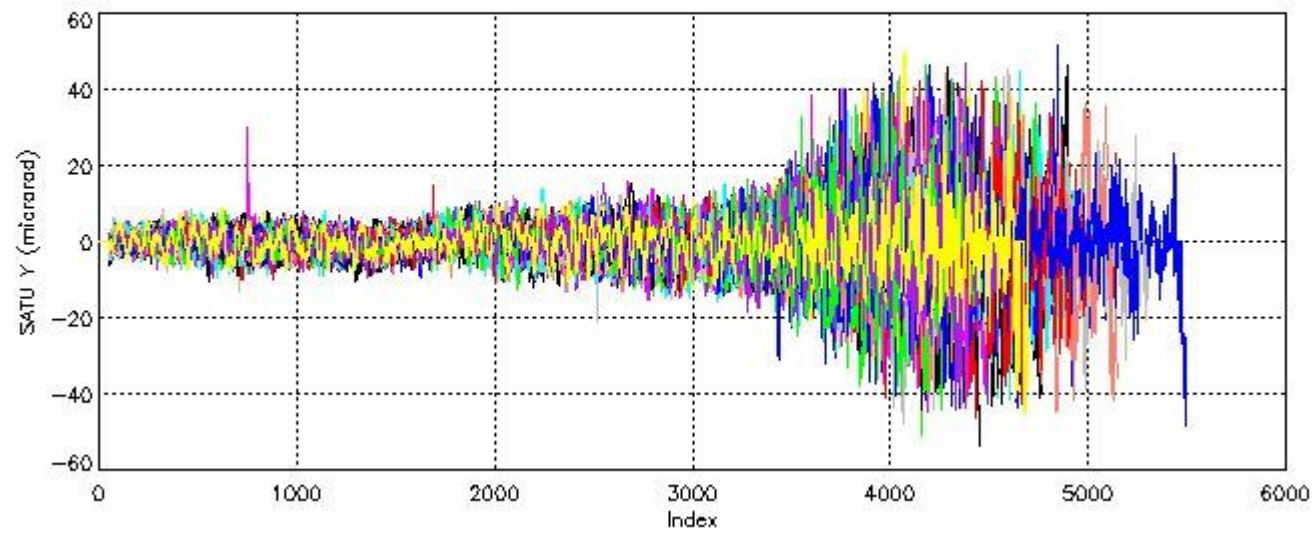
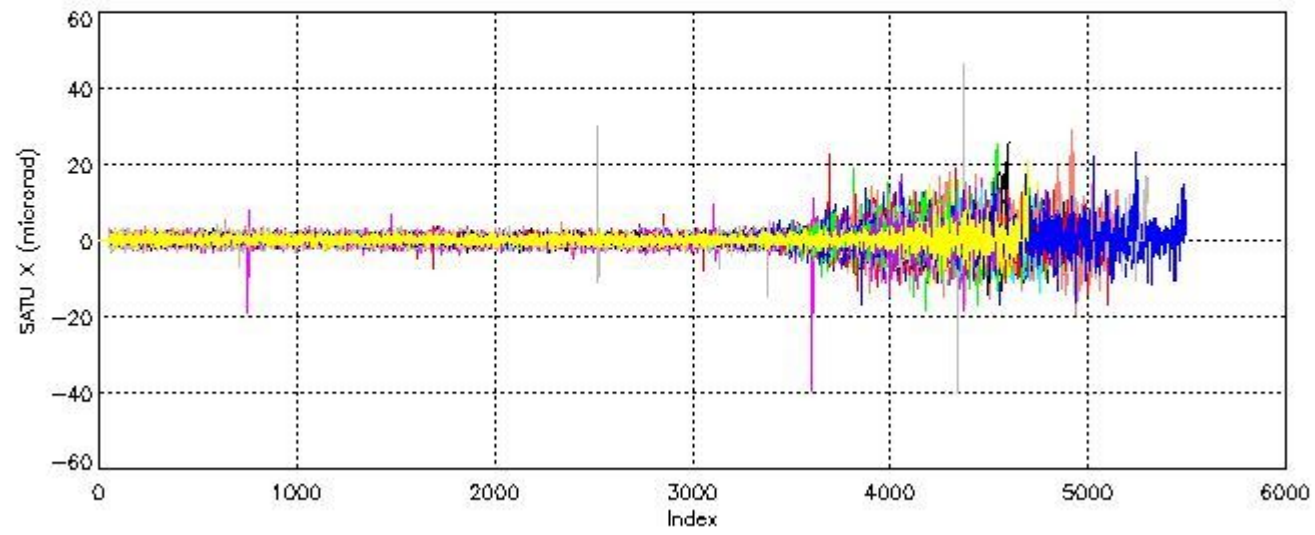


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.20153	-0.046117	0.16683	-0.24667
St. deviation:	0.56356	2.1688	0.73833	2.4264
Maximum:	8.1000	30.000	5.5000	11.200
Minimum:	-18.700	-13.300	-4.8000	-13.200

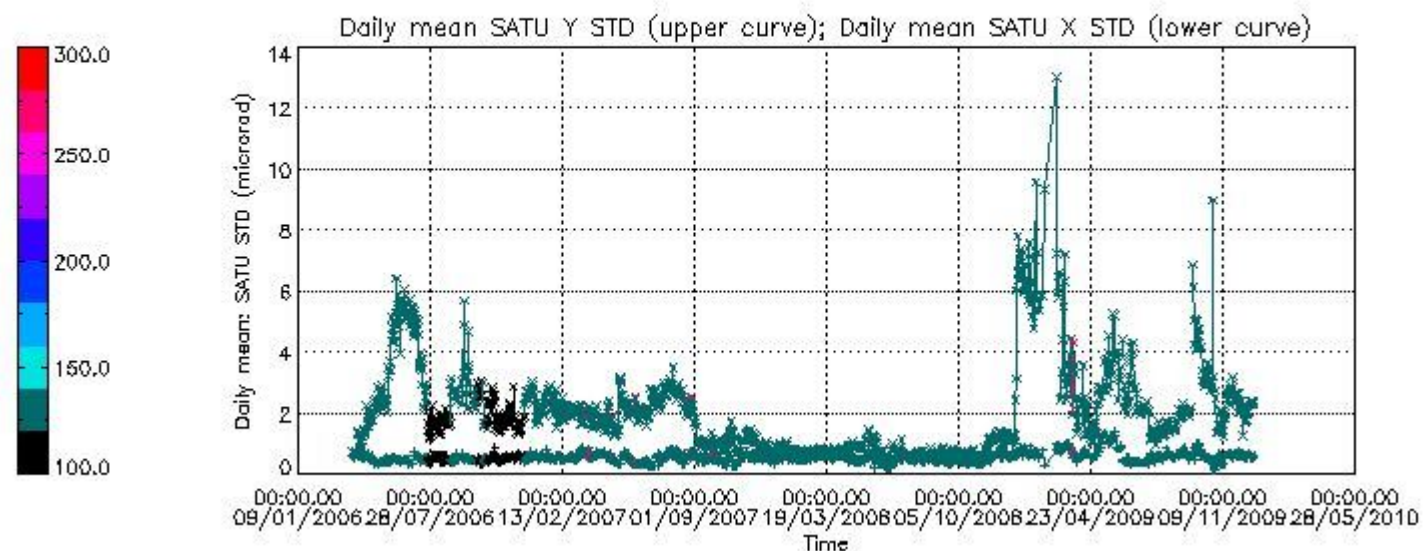
Number of data:	54550.	54550.	57850.	57850.
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

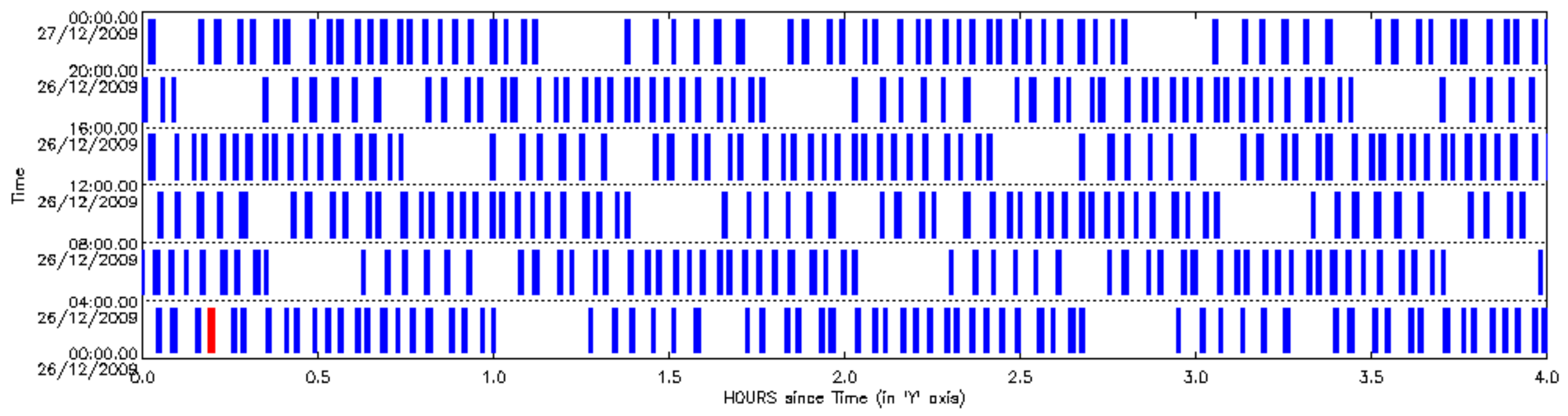
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

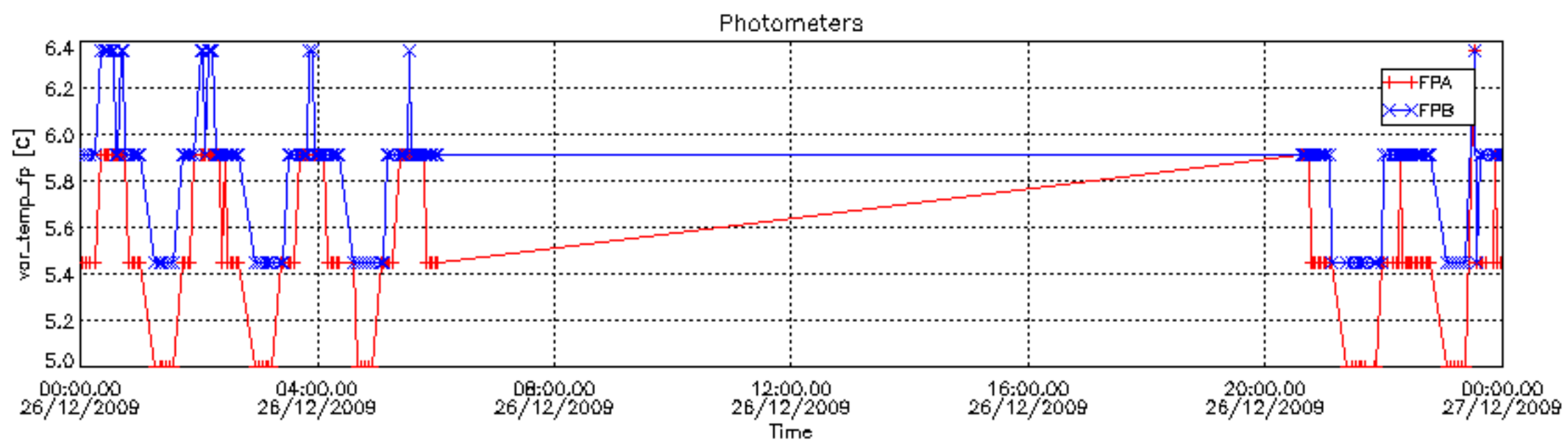
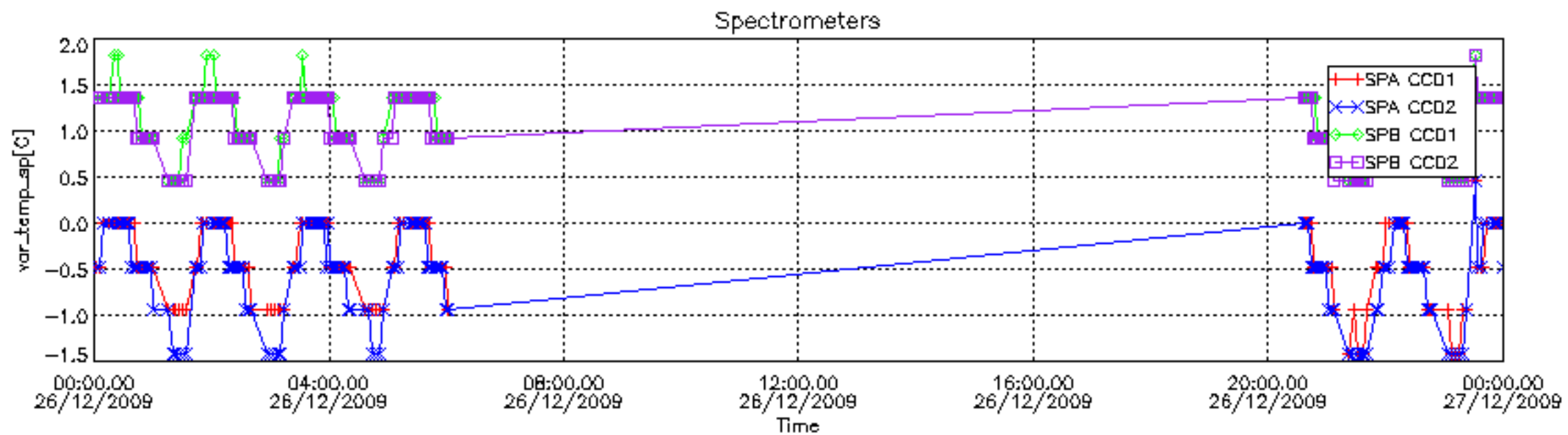


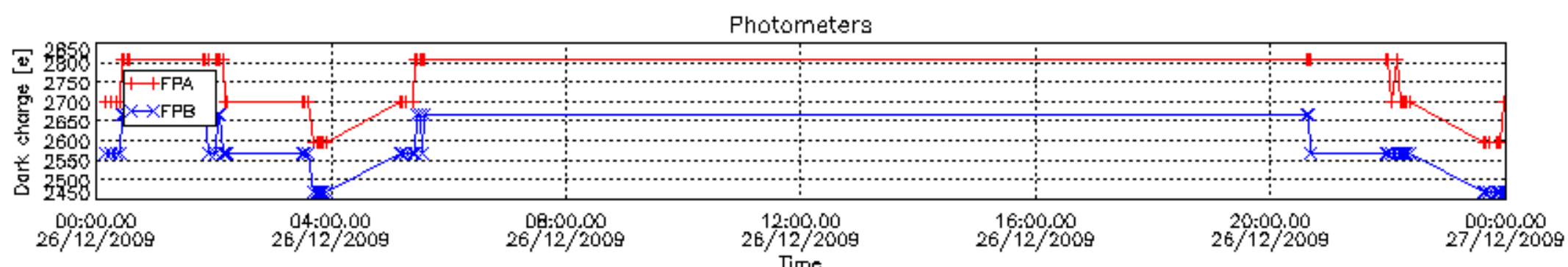
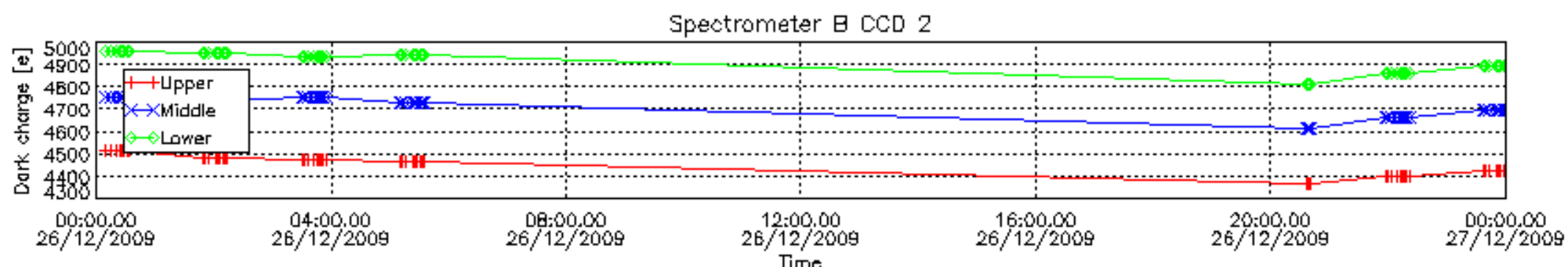
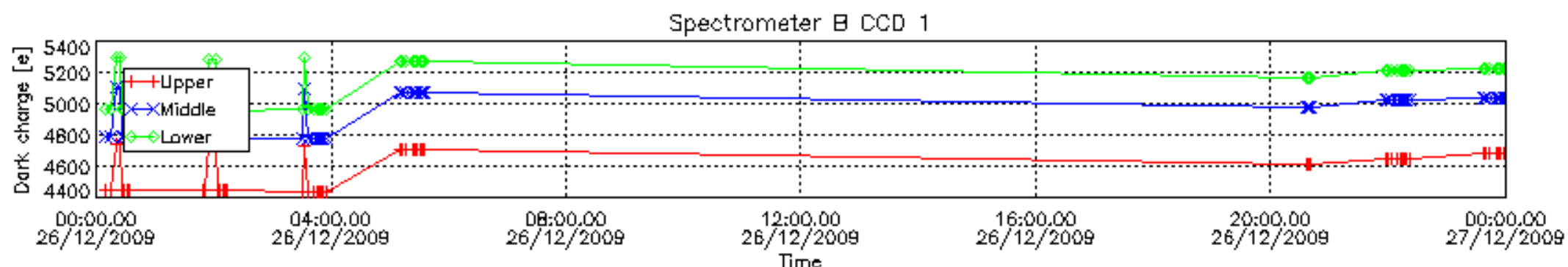
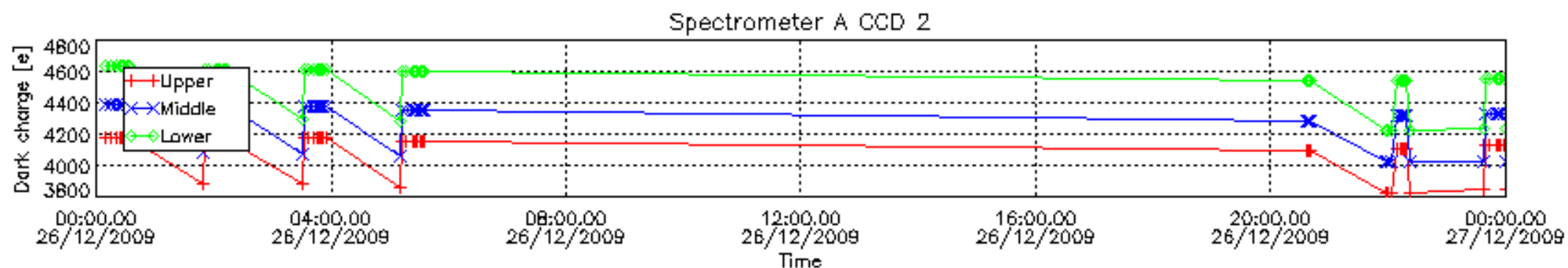
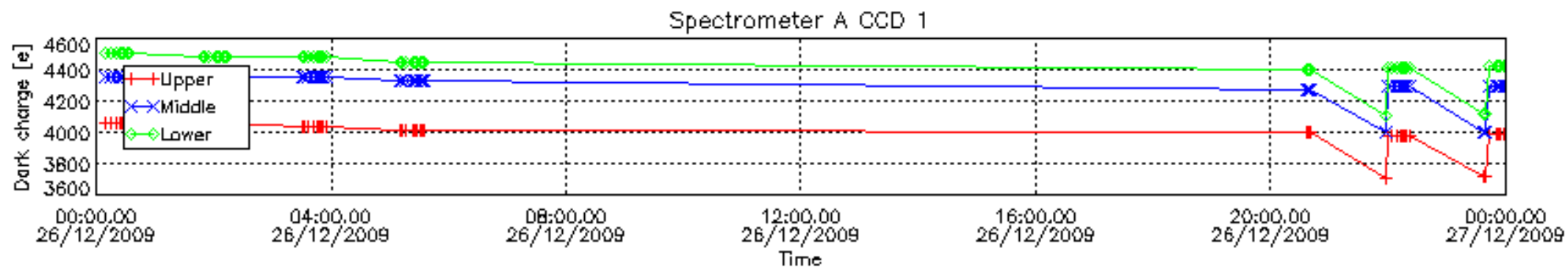
8. Auxiliary Data Files used for the production reported in section 2.4

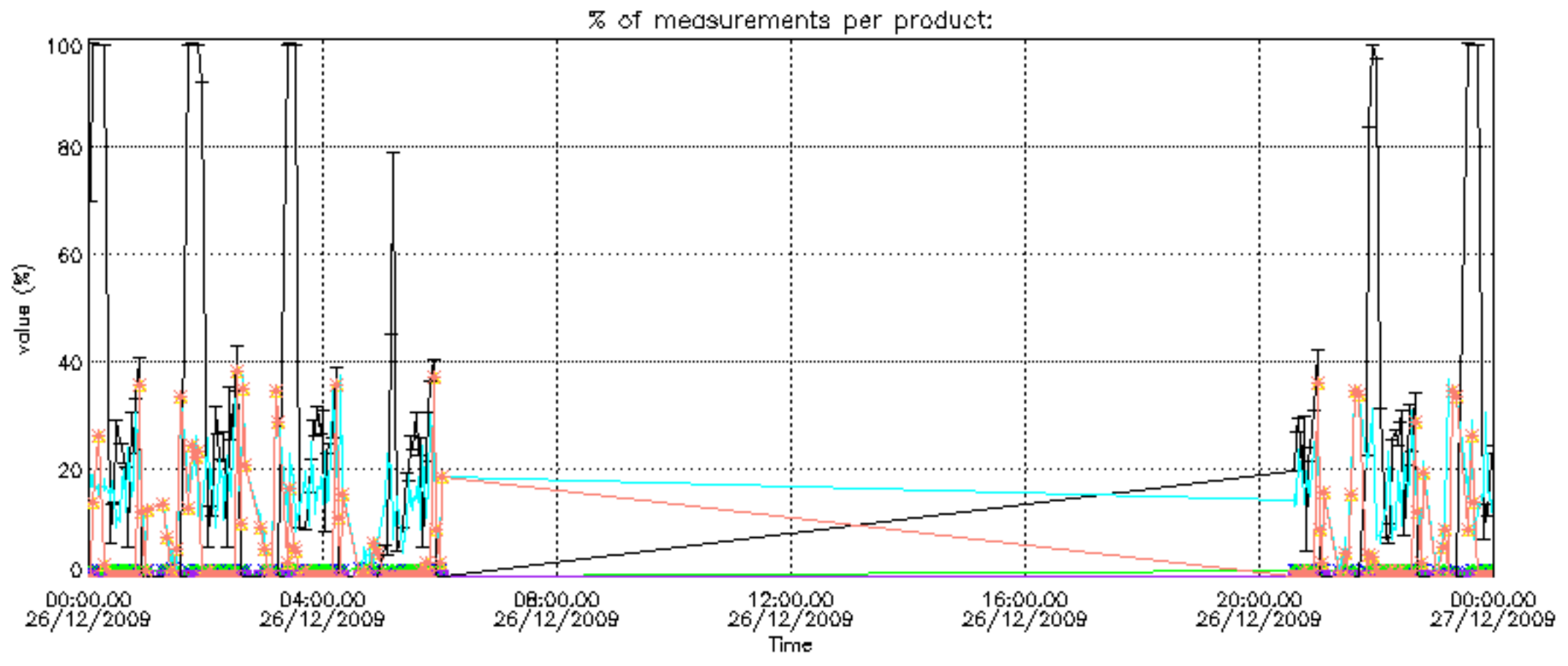
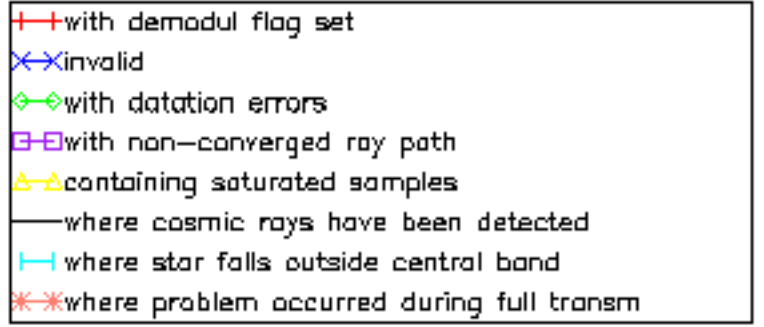
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
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CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091214_085046_20091212_000000_20500101_000000	1	26-DEC-2009 00:02:20
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	26-DEC-2009 00:02:20
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	26-DEC-2009 00:02:20
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	26-DEC-2009 00:02:20
ECMWF_FILE	AUX_ECF_AXNECM20091225_062111_20091225_210000_20091226_090000	1	26-DEC-2009 00:02:20
ECMWF_FILE	AUX_ECF_AXNECM20091225_180111_20091226_030000_20091226_150000	49	26-DEC-2009 03:00:47
ECMWF_FILE	AUX_ECA_AXNECM20091226_060111_20091225_210000_20091226_090000	75	26-DEC-2009 04:37:18
ECMWF_FILE	AUX_ECA_AXNECM20091227_060112_20091226_150000_20091227_030000	102	26-DEC-2009 20:36:16
ECMWF_FILE	AUX_ECA_AXNECM20091227_060113_20091226_210000_20091227_090000	121	26-DEC-2009 21:50:14
OPTIONAL_ECMWF_FILE	MISSING	1	26-DEC-2009 00:02:20
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ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091226_013815_000044632085_00260_40895_9434.N1	27	26-DEC-2009 01:42:57
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091226_025757_000054192085_00261_40896_9435.N1	49	26-DEC-2009 03:00:47
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20091223_012104_20091222_190656_20100101_203310	75	26-DEC-2009 04:37:18
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091226_203516_000038252085_00272_40907_9444.N1	102	26-DEC-2009 20:36:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091226_214420_000060572085_00272_40907_9443.N1	121	26-DEC-2009 21:50:14
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20091227_083620_20091226_184104_20100105_200718	148	26-DEC-2009 23:30:50

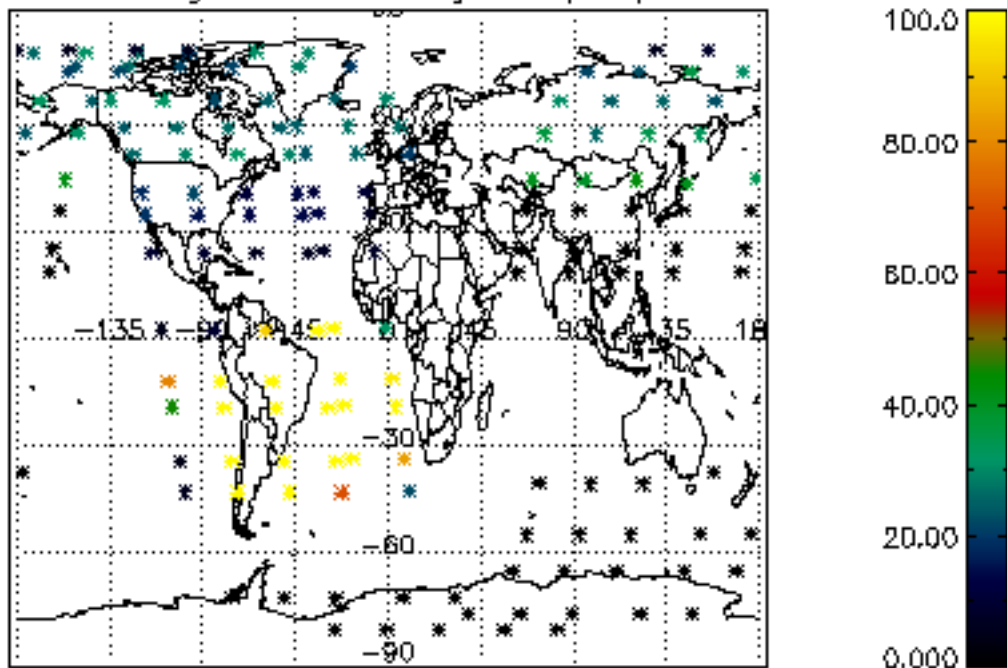




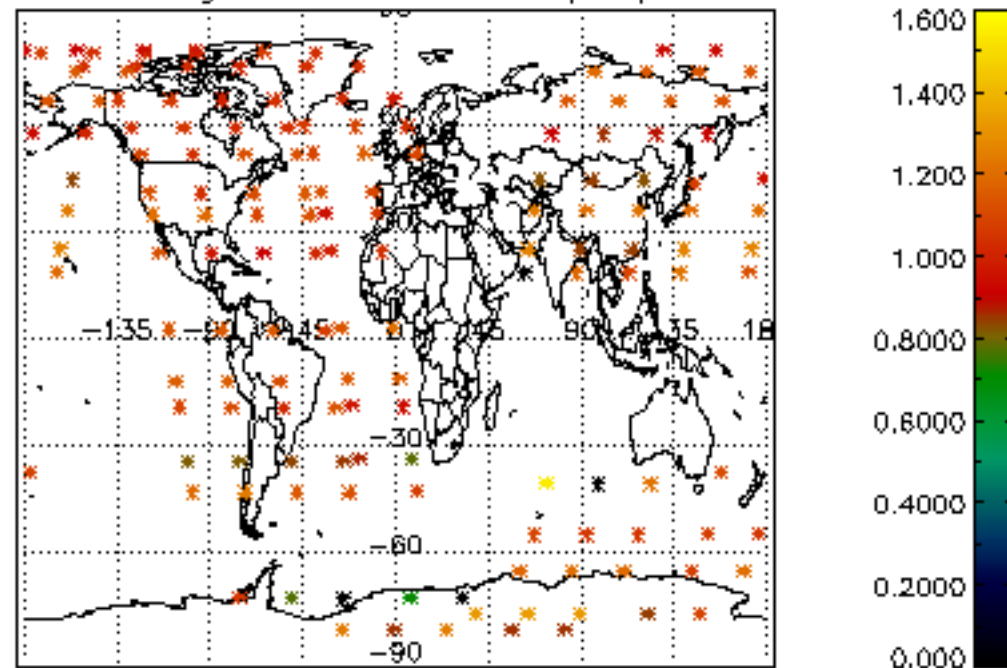




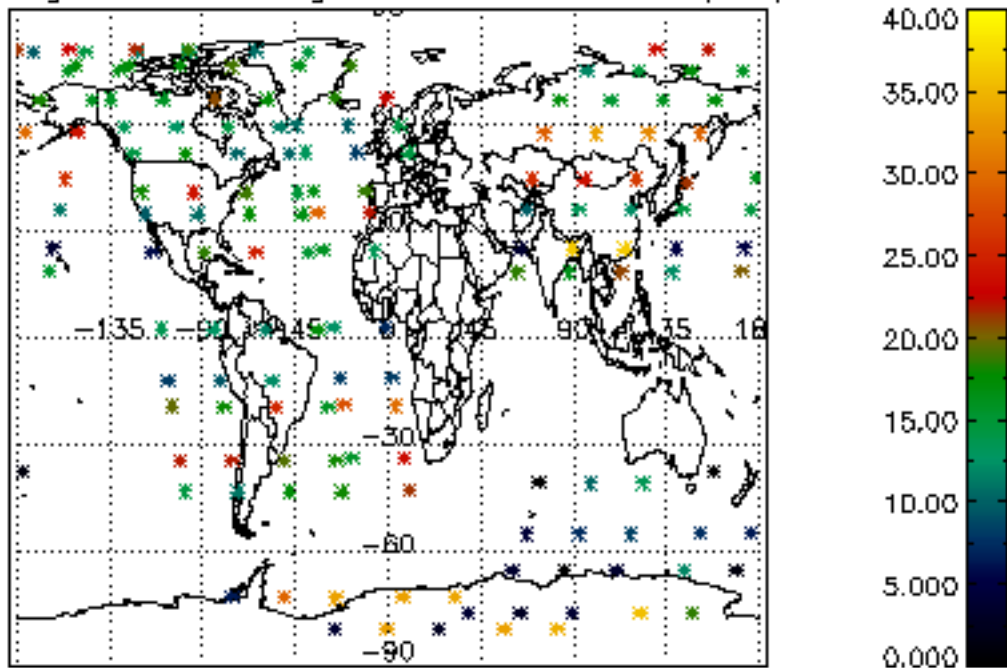
Percentage of cosmic ray hits per profile



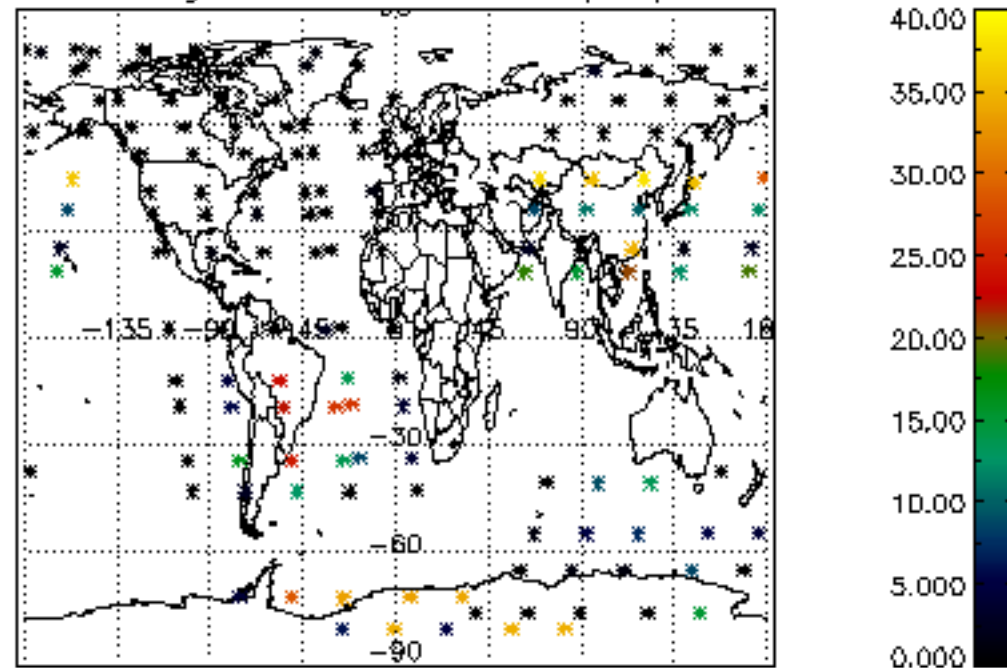
Percentage of datation errors per profile



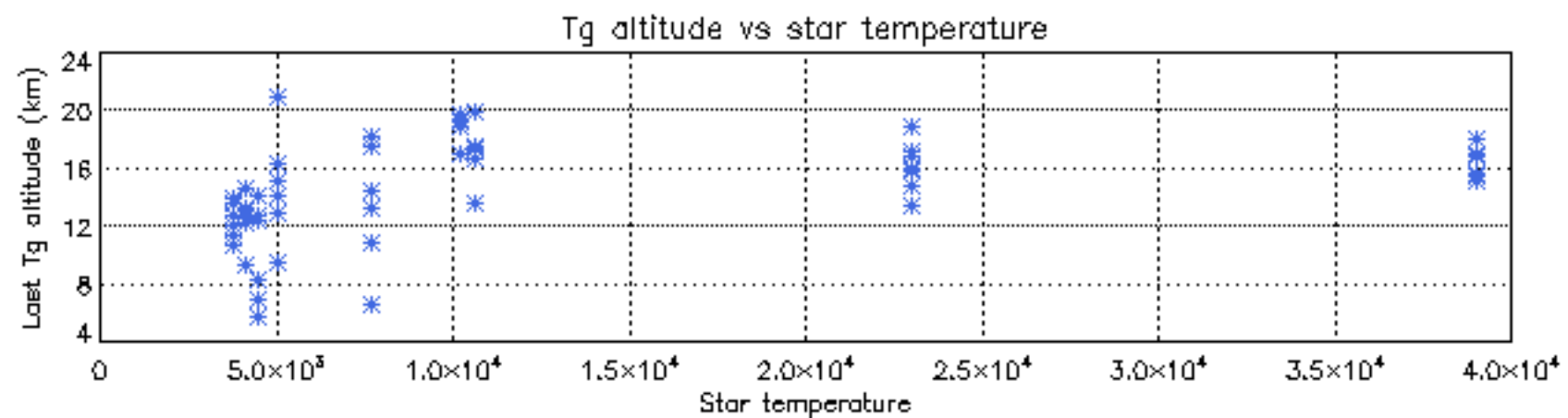
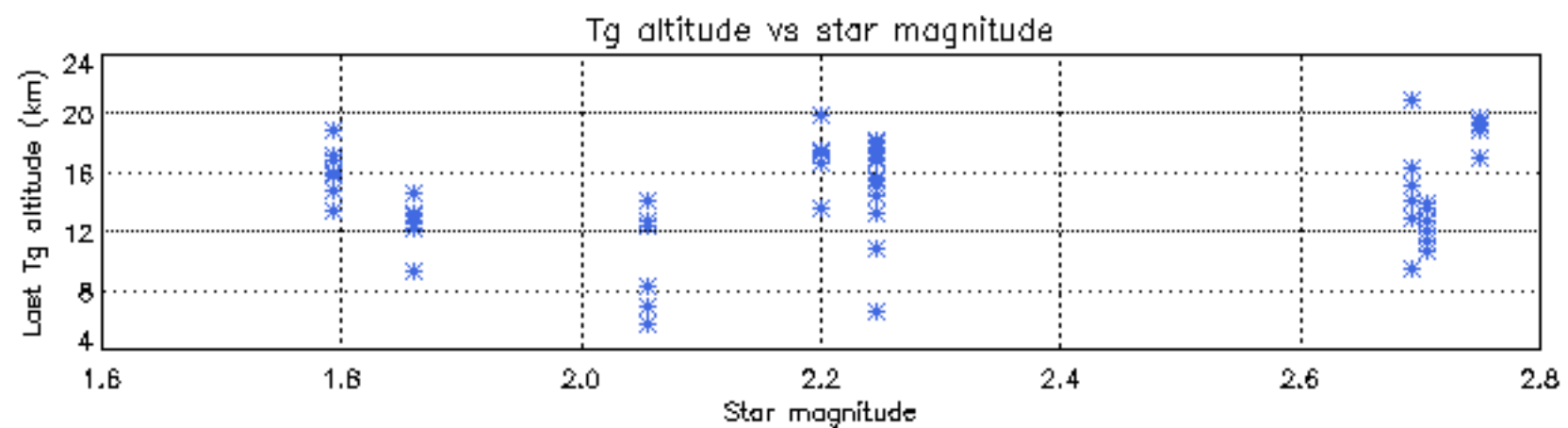
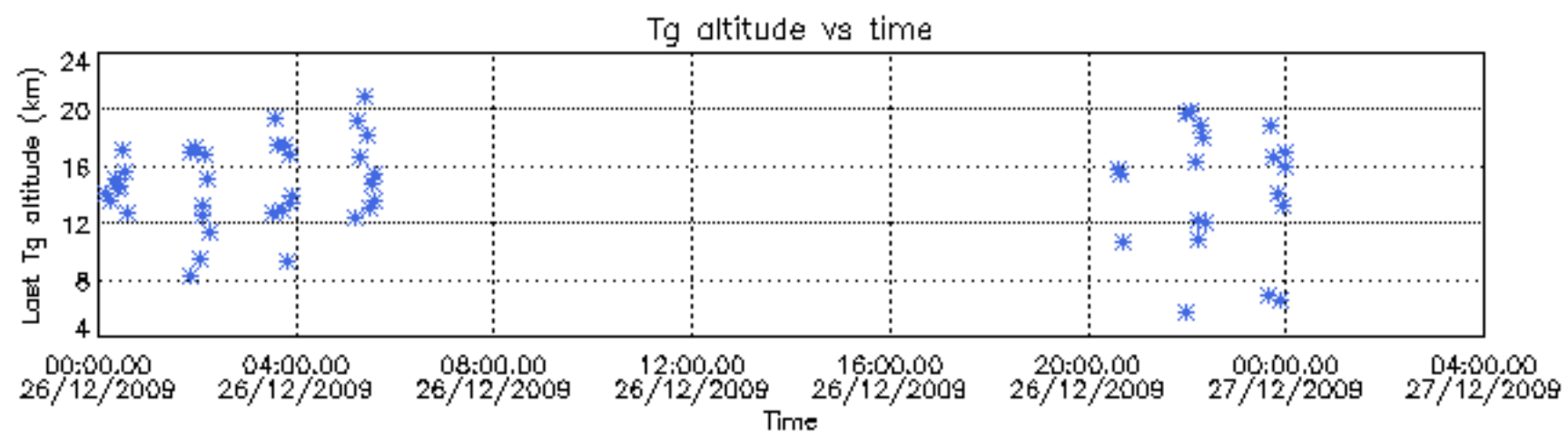
Percentage of star falling outside central band per profile



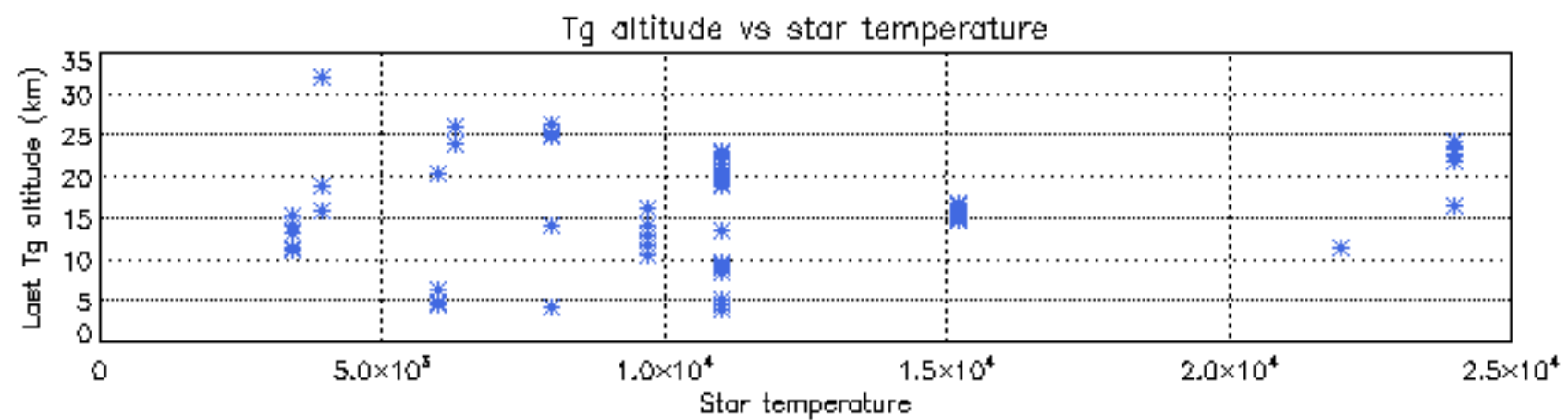
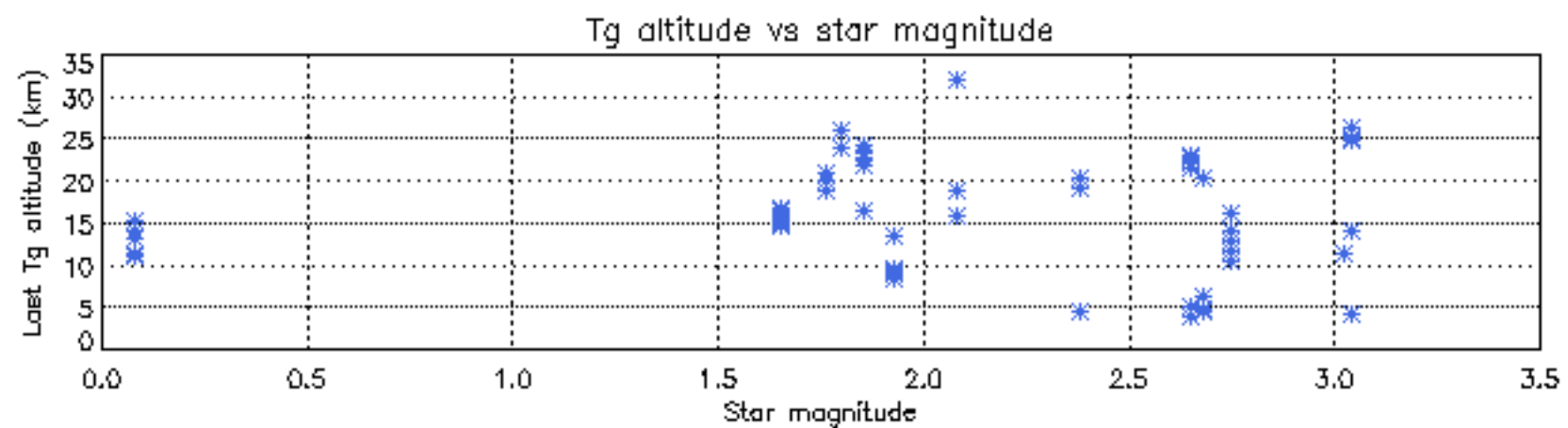
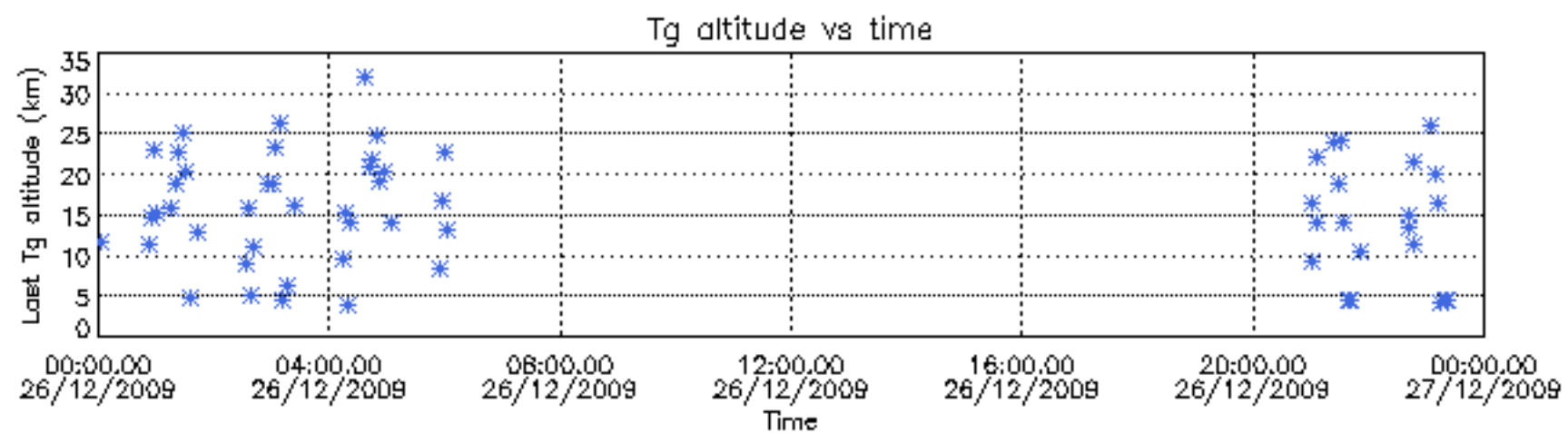
Percentage of saturation errors per profile

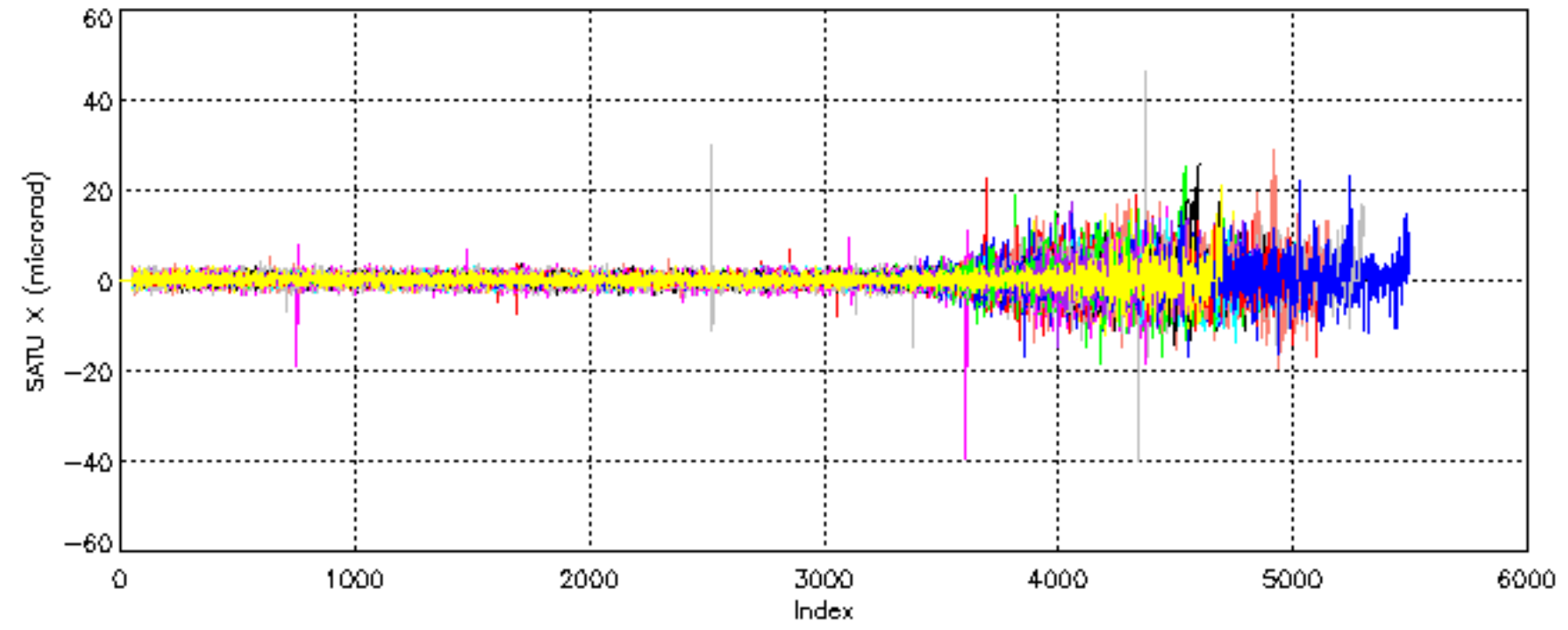


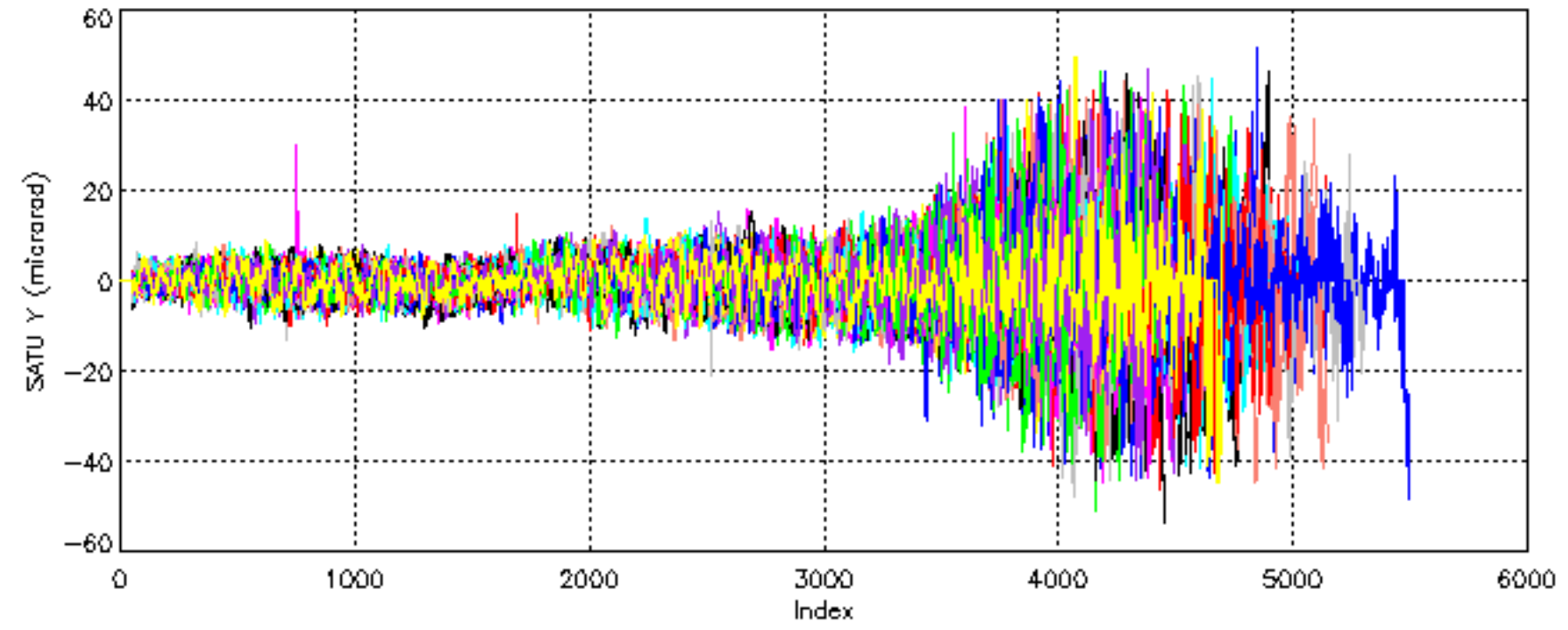
Tangent altitude at which the star is lost

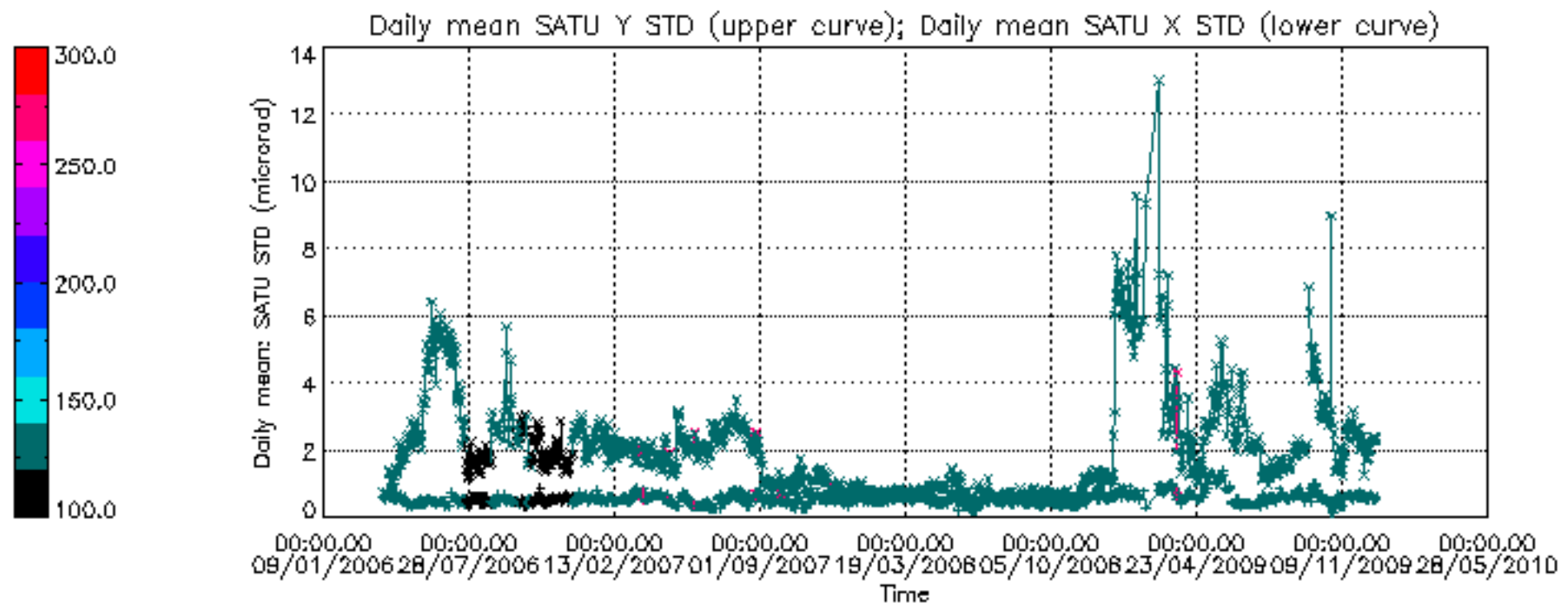


Tangent altitude at which the star is lost









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 24; 7057.0; 10-DEC-2009 13:59:07; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;40673
 25; 7204.3; 10-DEC-2009 14:01:35; Dark ; 59.0; 88; 31Eta CMA ; 2.45; 20000;occ; 118; 0;40673
 26; 7306.3; 10-DEC-2009 14:03:17; Dark ; 62.0; 37; 25Del CMA ; 1.83; 5900;occ; 124; 0;40673
 27; 7561.9; 10-DEC-2009 14:07:32; Dark ; 40.0; 47; 2Bet CMA ; 1.98; 28000;occ; 80; 0;40673

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 2; 1748.1; 10-DEC-2009 14:11:14; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;40674
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 11; 3997.6; 10-DEC-2009 14:48:44; Bright; 38.5; 32; 77Eps UMA ; 1.76; 11000;occ; 77; 0;40674
 12; 4140.8; 10-DEC-2009 14:51:07; Bright; 35.5; 39; 85Eta UMA ; 1.85; 24000;occ; 71; 0;40674
 13; 4354.1; 10-DEC-2009 14:54:40; Bright; 56.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 113; 0;40674
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 17; 5483.9; 10-DEC-2009 15:13:30; Dark ; 43.5; 169; 46Gam Hya ; 2.99; 4700;occ; 87; 0;40674
 18; 5591.5; 10-DEC-2009 15:15:18; Dark ; 54.0; 100; 4Gam Crv ; 2.58; 13100;occ; 108; 0;40674
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 22; 6755.8; 10-DEC-2009 15:34:42; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;40674

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 9; 2771.9; 10-DEC-2009 16:08:54; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;40675
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11; 3857.1; 10-DEC-2009 16:26:59; Bright; 52.0; 82; 48Bet UMa ; 2.37; 10600;occ; 104; 0;40675
12; 3997.6; 10-DEC-2009 16:29:20; Bright; 45.0; 32; 77Eps UMa ; 1.76; 11000;occ; 90; 0;40675
13; 4140.4; 10-DEC-2009 16:31:43; Bright; 48.0; 39; 85Eta UMa ; 1.85; 24000;occ; 96; 0;40675
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16; 4922.8; 10-DEC-2009 16:44:45; Bright; 67.0; 138; 47Eps Vir ; 2.83; 4700;occ; 134; 0;40675
17; 5276.4; 10-DEC-2009 16:50:39; Dark ; 59.0; 15; 67Alp Vir ; 0.98; 28000;occ; 118; 0;40675
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22; 6556.6; 10-DEC-2009 17:11:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40675
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13; 3997.4; 10-DEC-2009 18:09:56; Bright; 46.5; 32; 77Eps UMa ; 1.76; 11000;occ; 93; 0;40676
14; 4140.6; 10-DEC-2009 18:12:19; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 0;40676
15; 4353.9; 10-DEC-2009 18:15:52; Bright; 39.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 79; 0;40676
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20; 5593.8; 10-DEC-2009 18:36:32; Dark ; 50.0; 100; 4Gam Crv ; 2.58; 13100;occ; 100; 0;40676
21; 5690.1; 10-DEC-2009 18:38:08; Dark ; 49.5; 171; 2Eps Crv ; 3.00; 4250;occ; 99; 0;40676
22; 6239.5; 10-DEC-2009 18:47:18; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;40676
23; 6557.4; 10-DEC-2009 18:52:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40676
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 3; 1271.9; 10-DEC-2009 19:05:06; Dark ; 66.0; 37; 25Del CMA ; 1.83; 5900;occ; 132; 0;40677
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 21; 5594.9; 10-DEC-2009 20:17:09; Dark ; 53.0; 100; 4Gam Crv ; 2.58; 13100;occ; 106; 0;40677
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 23; 6240.2; 10-DEC-2009 20:27:54; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;40677
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 27; 7059.5; 10-DEC-2009 20:41:34; Dark ; 54.5; 117; Pi Pup ; 2.71; 3800;occ; 109; 0;40677

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 7; 724.4; 11-DEC-2009 01:38:22; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;40681
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 9; 1025.5; 11-DEC-2009 01:43:23; Dark ; 57.5; 117; Pi Pup ; 2.71; 3800;occ; 115; 0;40681
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 12; 1748.1; 11-DEC-2009 01:55:26; Dark ; 48.0; 7; 19Bet Ori ; 0.10; 14000;occ; 96; 0;40681
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 5; -1110.1; 11-DEC-2009 02:48:24; Bright; 67.0; 138; 47Eps Vir ; 2.83; 4700;occ; 134; 0;40681
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 4; 2197.1; 11-DEC-2009 08:45:19; Dark ; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;40685
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 8; 3761.9; 11-DEC-2009 09:11:24; Bright; 52.0; 36; 50Alp UMa ; 1.80; 6300;occ; 104; 0;40685
 9; 3995.8; 11-DEC-2009 09:15:18; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;40685
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 11; 4331.5; 11-DEC-2009 09:20:53; Bright; 53.0; 180; 27Gam Boo ; 3.04; 8000;occ; 106; 0;40685
 12; 4710.8; 11-DEC-2009 09:27:13; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40685
 13; 4928.1; 11-DEC-2009 09:30:50; Bright; 67.0; 138; 47Eps Vir ; 2.83; 4700;occ; 134; 0;40685
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 17; 5700.3; 11-DEC-2009 09:43:42; Dark ; 58.5; 171; 2Eps Crv ; 3.00; 4250;occ; 117; 0;40685
 18; 5937.3; 11-DEC-2009 09:47:39; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;40685
 19; 6030.3; 11-DEC-2009 09:49:12; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;40685
 20; 6247.2; 11-DEC-2009 09:52:49; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;40685
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 22; 6564.3; 11-DEC-2009 09:58:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40685
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 25; 7064.5; 11-DEC-2009 10:06:26; Dark ; 55.0; 117; Pi Pup ; 2.71; 3800;occ; 110; 0;40685
 26; 7269.8; 11-DEC-2009 10:09:52; Dark ; 55.0; 23; 21Eps CMa ; 1.50; 26000;occ; 110; 0;40685
 27; 7563.8; 11-DEC-2009 10:14:46; Dark ; 34.5; 47; 2Bet CMa ; 1.98; 28000;occ; 69; 0;40685

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3; 1893.9; 11-DEC-2009 10:20:52; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40686
4; 2040.2; 11-DEC-2009 10:23:18; Dark ; 51.0; 27; 24Gam Ori ; 1.64; 26000;occ; 102; 0;40686
5; 2196.9; 11-DEC-2009 10:25:55; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;40686
6; 2355.8; 11-DEC-2009 10:28:33; Bright; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;40686
7; 2477.3; 11-DEC-2009 10:30:35; Bright; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;40686
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10; 3761.5; 11-DEC-2009 10:51:59; Bright; 43.5; 36; 50Alp UMa ; 1.80; 6300;occ; 87; 0;40686
11; 3995.5; 11-DEC-2009 10:55:53; Bright; 41.5; 32; 77Eps UMa ; 1.76; 11000;occ; 83; 0;40686
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13; 4331.5; 11-DEC-2009 11:01:29; Bright; 46.5; 180; 27Gam Boo ; 3.04; 8000;occ; 93; 0;40686
14; 4711.2; 11-DEC-2009 11:07:49; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40686
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17; 5491.5; 11-DEC-2009 11:20:49; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40686
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19; 5701.3; 11-DEC-2009 11:24:19; Dark ; 55.5; 171; 2Eps Crv ; 3.00; 4250;occ; 111; 0;40686
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26; 6913.8; 11-DEC-2009 11:44:32; Dark ; 49.5; 2; Alp Car ; -0.74; 7000;occ; 99; 0;40686
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28; 7270.1; 11-DEC-2009 11:50:28; Dark ; 56.0; 23; 21Eps CMa ; 1.50; 26000;occ; 112; 0;40686
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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2; 1748.0; 11-DEC-2009 11:59:02; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;40687
3; 1893.6; 11-DEC-2009 12:01:27; Dark ; 50.5; 30; 46Eps Ori ; 1.69; 30000;occ; 101; 0;40687
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7; 2476.9; 11-DEC-2009 12:11:10; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;40687
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11; 3995.2; 11-DEC-2009 12:36:29; Bright; 38.5; 32; 77Eps UMa ; 1.76; 11000;occ; 77; 0;40687
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13; 4331.7; 11-DEC-2009 12:42:05; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;40687
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16; 5283.6; 11-DEC-2009 12:57:57; Dark ; 49.5; 15; 67Alp Vir ; 0.98; 28000;occ; 99; 0;40687
17; 5492.2; 11-DEC-2009 13:01:26; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40687
18; 5606.4; 11-DEC-2009 13:03:20; Dark ; 52.5; 100; 4Gam Crv ; 2.58; 13100;occ; 105; 0;40687
19; 5702.6; 11-DEC-2009 13:04:56; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;40687
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21; 6031.6; 11-DEC-2009 13:10:25; Dark ; 39.5; 99; Del Cen ; 2.58; 26000;occ; 79; 0;40687
22; 6249.0; 11-DEC-2009 13:14:03; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;40687
23; 6492.6; 11-DEC-2009 13:18:06; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40687
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25; 6765.8; 11-DEC-2009 13:22:39; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;40687
26; 6914.5; 11-DEC-2009 13:25:08; Dark ; 50.0; 2; Alp Car ; -0.74; 7000;occ; 100; 0;40687
27; 7066.0; 11-DEC-2009 13:27:40; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;40687
28; 7270.8; 11-DEC-2009 13:31:04; Dark ; 53.0; 23; 21Eps CMa ; 1.50; 26000;occ; 106; 0;40687
29; 7564.3; 11-DEC-2009 13:35:58; Dark ; 40.5; 47; 2Bet CMa ; 1.98; 28000;occ; 81; 0;40687

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4; 2039.8; 11-DEC-2009 13:44:29; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;40688
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6; 2355.0; 11-DEC-2009 13:49:44; Bright; 47.5; 176; 23Zet Tau ; 3.02; 22000;occ; 95; 0;40688
7; 2476.3; 11-DEC-2009 13:51:46; Bright; 45.0; 28; 12Bet Tau ; 1.65; 15200;occ; 90; 0;40688
8; 2591.1; 11-DEC-2009 13:53:41; Bright; 35.5; 149; 45Eps Per ; 2.89; 30000;occ; 71; 0;40688
9; 2766.3; 11-DEC-2009 13:56:36; Bright; 60.0; 6; 13Alp Aur ; 0.08; 3400;occ; 120; 0;40688

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11; 3995.1; 11-DEC-2009 14:17:05; Bright; 45.0; 32; 77Eps UMa ; 1.76; 11000;occ; 90; 0;40688
12; 4140.3; 11-DEC-2009 14:19:30; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;40688
13; 4332.0; 11-DEC-2009 14:22:41; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;40688
14; 4711.8; 11-DEC-2009 14:29:01; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40688
15; 4929.8; 11-DEC-2009 14:32:39; Bright; 68.0; 138; 47Eps Vir ; 2.83; 4700;occ; 136; 0;40688
16; 5230.2; 11-DEC-2009 14:37:40; Dark ; 56.0; 121; 29Gam Vir ; 2.74; 7200;occ; 112; 0;40688
17; 5492.8; 11-DEC-2009 14:42:02; Dark ; 45.0; 169; 46Gam Hya ; 2.99; 4700;occ; 90; 0;40688
18; 5607.5; 11-DEC-2009 14:43:57; Dark ; 50.5; 100; 4Gam Crv ; 2.58; 13100;occ; 101; 0;40688
19; 5703.8; 11-DEC-2009 14:45:33; Dark ; 58.5; 171; 2Eps Crv ; 3.00; 4250;occ; 117; 0;40688
20; 5939.1; 11-DEC-2009 14:49:29; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40688
21; 6032.3; 11-DEC-2009 14:51:02; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;40688
22; 6249.9; 11-DEC-2009 14:54:39; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;40688
23; 6493.4; 11-DEC-2009 14:58:43; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40688
24; 6566.7; 11-DEC-2009 14:59:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40688
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27; 7066.6; 11-DEC-2009 15:08:16; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;40688
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 9; 2765.9; 11-DEC-2009 15:37:11; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;40689
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11; 3995.0; 11-DEC-2009 15:57:40; Bright; 46.5; 32; 77Eps UMa ; 1.76; 11000;occ; 93; 0;40689
12; 4140.4; 11-DEC-2009 16:00:06; Bright; 56.0; 39; 85Eta UMa ; 1.85; 24000;occ; 112; 0;40689
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14; 4712.0; 11-DEC-2009 16:09:37; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;40689
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16; 5231.2; 11-DEC-2009 16:18:17; Dark ; 56.0; 121; 29Gam Vir ; 2.74; 7200;occ; 112; 0;40689
17; 5493.6; 11-DEC-2009 16:22:39; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40689
18; 5608.8; 11-DEC-2009 16:24:34; Dark ; 54.0; 100; 4Gam Crv ; 2.58; 13100;occ; 108; 0;40689
19; 5705.1; 11-DEC-2009 16:26:10; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;40689
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22; 6250.9; 11-DEC-2009 16:35:16; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40689
23; 6494.1; 11-DEC-2009 16:39:19; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;40689
24; 6567.6; 11-DEC-2009 16:40:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40689
25; 6767.4; 11-DEC-2009 16:43:53; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40689
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27; 7067.3; 11-DEC-2009 16:48:53; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;40689
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 3; 1748.1; 11-DEC-2009 17:00:49; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;40690
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13; 4140.1; 11-DEC-2009 17:40:41; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;40690
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18; 5494.3; 11-DEC-2009 18:03:16; Dark ; 44.5; 169; 46Gam Hya ; 2.99; 4700;occ; 89; 0;40690
19; 5610.0; 11-DEC-2009 18:05:11; Dark ; 50.5; 100; 4Gam Crv ; 2.58; 13100;occ; 101; 0;40690

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6; 220.0; 12-DEC-2009 02:38:57; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;40696
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 18; 5294.4; 12-DEC-2009 17:28:19; Dark ; 50.0; 15; 67Alp Vir ; 0.98; 28000;occ; 100; 0;40704
 19; 5503.5; 12-DEC-2009 17:31:48; Dark ; 48.0; 169; 46Gam Hya ; 2.99; 4700;occ; 96; 0;40704

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 21; 5722.4; 12-DEC-2009 17:35:27; Dark ; 58.0; 171; 2Eps Crv ; 3.00; 4250;occ; 116; 0;40704
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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
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 25; 6503.7; 12-DEC-2009 17:48:28; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40704
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 27; 6778.7; 12-DEC-2009 17:53:03; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;40704
 28; 6921.5; 12-DEC-2009 17:55:26; Dark ; 55.5; 2; Alp Car ; -0.74; 7000;occ; 111; 0;40704
 29; 7076.7; 12-DEC-2009 17:58:01; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;40704

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 3; 1748.4; 12-DEC-2009 18:09:49; Dark ; 49.5; 7; 19Bet Ori ; 0.10; 14000;occ; 99; 0;40705
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 5; 2035.7; 12-DEC-2009 18:14:36; Dark ; 49.5; 27; 24Gam Ori ; 1.64; 26000;occ; 99; 0;40705
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 13; 3992.3; 12-DEC-2009 18:47:13; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;40705
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 23; 6043.6; 12-DEC-2009 19:21:24; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40705
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 26; 6580.0; 12-DEC-2009 19:30:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40705
 27; 6779.3; 12-DEC-2009 19:33:40; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40705
 28; 6921.9; 12-DEC-2009 19:36:03; Dark ; 29.0; 2; Alp Car ; -0.74; 7000;occ; 58; 0;40705

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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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13; 1243.7; 12-DEC-2009 21:22:36; Dark ; 55.0; 23; 21Eps CMA ; 1.50; 26000;occ; 110; 0;40707
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16; 1890.6; 12-DEC-2009 21:33:23; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40707
17; 2035.2; 12-DEC-2009 21:35:48; Dark ; 49.5; 27; 24Gam Ori ; 1.64; 26000;occ; 99; 0;40707
18; 2194.4; 12-DEC-2009 21:38:27; Dark ; 47.0; 13; 87Alp Tau ; 0.87; 3800;occ; 94; 0;40707
19; 2345.0; 12-DEC-2009 21:40:57; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;40707
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21; 2589.5; 12-DEC-2009 21:45:02; Bright; 37.5; 149; 45Eps Per ; 2.89; 30000;occ; 75; 0;40707
22; 2694.5; 12-DEC-2009 21:46:47; Bright; 46.0; 107; 37The Aur ; 2.65; 11000;occ; 92; 0;40707
23; 2822.1; 12-DEC-2009 21:48:55; Bright; 66.0; 42; 34Bet Aur ; 1.90; 10200;occ; 132; 0;40707
24; 3751.7; 12-DEC-2009 22:04:24; Bright; 48.0; 36; 50Alp UMa ; 1.80; 6300;occ; 96; 0;40707
25; 3991.9; 12-DEC-2009 22:08:24; Bright; 45.0; 32; 77Eps UMa ; 1.76; 11000;occ; 90; 0;40707
26; 4139.7; 12-DEC-2009 22:10:52; Bright; 57.0; 39; 85Eta UMa ; 1.85; 24000;occ; 114; 0;40707
27; 4333.8; 12-DEC-2009 22:14:06; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40707
28; 4716.9; 12-DEC-2009 22:20:29; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;40707
29; 4940.7; 12-DEC-2009 22:24:13; Bright; 54.0; 138; 47Eps Vir ; 2.83; 4700;occ; 108; 0;40707
30; 5296.0; 12-DEC-2009 22:30:09; Dark ; 44.0; 15; 67Alp Vir ; 0.98; 28000;occ; 88; 0;40707

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4; -309.6; 12-DEC-2009 22:37:19; Dark ; 63.0; 171; 2Eps Crv ; 3.00; 4250;occ; 126; 0;40707
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16; 1890.4; 12-DEC-2009 23:13:59; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40708
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22; 2693.9; 12-DEC-2009 23:27:22; Bright; 66.0; 107; 37The Aur ; 2.65; 11000;occ; 132; 0;40708
23; 2821.5; 12-DEC-2009 23:29:30; Bright; 44.5; 42; 34Bet Aur ; 1.90; 10200;occ; 89; 0;40708
24; 3751.3; 12-DEC-2009 23:45:00; Bright; 43.0; 36; 50Alp UMa ; 1.80; 6300;occ; 86; 0;40708
25; 3991.3; 12-DEC-2009 23:49:00; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;40708
26; 4139.5; 12-DEC-2009 23:51:28; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;40708
27; 4334.0; 12-DEC-2009 23:54:42; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;40708
28; 4717.3; 13-DEC-2009 00:01:06; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;40708
29; 4941.2; 13-DEC-2009 00:04:50; Bright; 70.0; 138; 47Eps Vir ; 2.83; 4700;occ; 140; 0;40708
30; 5296.7; 13-DEC-2009 00:10:45; Dark ; 48.0; 15; 67Alp Vir ; 0.98; 28000;occ; 96; 0;40708

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3; -308.5; 13-DEC-2009 00:17:56; Dark ; 57.5; 171; 2Eps Crv ; 3.00; 4250;occ; 115; 0;40708
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9; 745.4; 13-DEC-2009 00:35:30; Dark ; 52.0; 34; Gam2Vel ; 1.79; 23000;occ; 104; 0;40709
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13; 1531.0; 13-DEC-2009 00:48:35; Dark ; 52.5; 47; 2Bet CMA ; 1.98; 28000;occ; 105; 0;40709
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23; 3750.6; 13-DEC-2009 01:25:35; Bright; 49.0; 36; 50Alp UMa ; 1.80; 6300;occ; 98; 0;40709
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4; 2082.4; 14-DEC-2009 12:10:21; Dark ; 60.5; 14; 58Alp Ori ; 0.87; 3000;occ; 121; 0;40730
5; 2192.1; 14-DEC-2009 12:12:11; Dark ; 45.5; 13; 87Alp Tau ; 0.87; 3800;occ; 91; 0;40730
6; 2334.4; 14-DEC-2009 12:14:33; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;40730
7; 2457.0; 14-DEC-2009 12:16:36; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;40730
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11; 3987.0; 14-DEC-2009 12:42:06; Bright; 46.5; 32; 77Eps UMa ; 1.76; 11000;occ; 93; 0;40730
12; 4138.8; 14-DEC-2009 12:44:38; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 0;40730
13; 4336.2; 14-DEC-2009 12:47:55; Bright; 54.0; 180; 27Gam Boo ; 3.04; 8000;occ; 108; 0;40730
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19; 5659.5; 14-DEC-2009 13:09:58; Dark ; 32.0; 100; 4Gam Crv ; 2.58; 13100;occ; 64; 0;40730
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22; 6060.2; 14-DEC-2009 13:16:39; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;40730
23; 6286.8; 14-DEC-2009 13:20:26; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40730
24; 6519.8; 14-DEC-2009 13:24:19; Dark ; 46.0; 71; Iot Car ; 2.25; 7700;occ; 92; 0;40730
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26; 6797.7; 14-DEC-2009 13:28:57; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;40730
27; 6932.1; 14-DEC-2009 13:31:11; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;40730
28; 7092.1; 14-DEC-2009 13:33:51; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;40730
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2; 1749.1; 14-DEC-2009 13:45:24; Dark ; 55.0; 7; 19Bet Ori ; 0.10; 14000;occ; 110; 0;40731
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12; 4138.7; 14-DEC-2009 14:25:14; Bright; 55.5; 39; 85Eta UMa ; 1.85; 24000;occ; 111; 0;40731
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19; 5660.9; 14-DEC-2009 14:50:36; Dark ; 32.0; 100; 4Gam Crv ; 2.58; 13100;occ; 64; 0;40731
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27; 6932.5; 14-DEC-2009 15:11:47; Dark ; 47.5; 2; Alp Car ;-0.74; 7000;occ; 95; 0;40731
28; 7092.8; 14-DEC-2009 15:14:28; Dark ; 54.5; 117; Pi Pup ; 2.71; 3800;occ; 109; 0;40731
29; 7291.0; 14-DEC-2009 15:17:46; Dark ; 55.0; 23; 21Eps CMa ; 1.50; 26000;occ; 110; 0;40731
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 5; 2191.9; 14-DEC-2009 15:33:23; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;40732
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 9; 2806.4; 14-DEC-2009 15:43:37; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;40732
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12; 4138.6; 14-DEC-2009 16:05:49; Bright; 57.0; 39; 85Eta UMa ; 1.85; 24000;occ; 114; 0;40732
13; 4336.5; 14-DEC-2009 16:09:07; Bright; 54.0; 180; 27Gam Boo ; 3.04; 8000;occ; 108; 0;40732
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24; 6600.8; 14-DEC-2009 16:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40732
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13; 4138.7; 14-DEC-2009 17:46:26; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;40733
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15; 4527.9; 14-DEC-2009 17:52:55; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;40733
16; 4724.8; 14-DEC-2009 17:56:12; Bright; 41.0; 111; 8Eta Boo ; 2.68; 6000;occ; 82; 0;40733
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23; 6289.5; 14-DEC-2009 18:22:16; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40733

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17; 4725.3; 14-DEC-2009 19:36:48; Bright; 59.0; 111; 8Eta Boo ; 2.68; 6000;occ; 118; 0;40734
18; 4957.3; 14-DEC-2009 19:40:40; Bright; 72.0; 138; 47Eps Vir ; 2.83; 4700;occ; 144; 0;40734
19; 5314.5; 14-DEC-2009 19:46:37; Dark ; 49.5; 15; 67Alp Vir ; 0.98; 28000;occ; 99; 0;40734
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21; 5668.2; 14-DEC-2009 19:52:31; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;40734
22; 5759.8; 14-DEC-2009 19:54:03; Dark ; 58.0; 171; 2Eps Crv ; 3.00; 4250;occ; 116; 0;40734
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 23; 6536.5; 16-DEC-2009 10:40:46; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;40757
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 27; 7107.4; 16-DEC-2009 10:50:17; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;40757
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9; 2791.0; 16-DEC-2009 12:59:32; Bright; 42.5; 42; 34Bet Aur ; 1.90; 10200;occ; 85; 0;40759
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13; 4338.9; 16-DEC-2009 13:25:20; Bright; 55.0; 180; 27Gam Boo ; 3.04; 8000;occ; 110; 0;40759
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27; 6946.4; 16-DEC-2009 14:08:48; Dark ; 52.0; 70; Zet Pup ; 2.25; 39000;occ; 104; 0;40759
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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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 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
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13; 508.0; 17-DEC-2009 06:48:05; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40770
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23; 6826.2; 17-DEC-2009 08:33:23; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;40770
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27; 7413.7; 17-DEC-2009 08:43:10; Dark ; 40.0; 179; 240mi2CMa ; 3.03; 24000;occ; 80; 0;40770
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29; 7786.6; 17-DEC-2009 08:49:23; Dark ; 46.5; 7; 19Bet Ori ; 0.10; 14000;occ; 93; 0;40770

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27; 7414.1; 17-DEC-2009 10:23:47; Dark ; 45.0; 179; 240mi2CMa ; 3.03; 24000;occ; 90; 0;40771
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 23; 6632.0; 17-DEC-2009 15:12:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40774
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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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3; 1882.1; 18-DEC-2009 13:21:46; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;40788
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9; 2774.9; 18-DEC-2009 13:36:38; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;40788
10; 3703.8; 18-DEC-2009 13:52:07; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;40788
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
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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
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 27; 7314.3; 18-DEC-2009 14:52:18; Dark ; 51.5; 23; 21Eps CMA ; 1.50; 26000;occ; 103; 0;40788
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 13; 4135.1; 18-DEC-2009 15:39:54; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;40789
 14; 4341.2; 18-DEC-2009 15:43:21; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;40789
 15; 4537.6; 18-DEC-2009 15:46:37; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;40789
 16; 4742.7; 18-DEC-2009 15:50:02; Bright; 43.5; 111; 8Eta Boo ; 2.68; 6000;occ; 87; 0;40789
 17; 5355.7; 18-DEC-2009 16:00:15; Dark ; 52.0; 15; 67Alp Vir ; 0.98; 28000;occ; 104; 0;40789
 18; 5566.4; 18-DEC-2009 16:03:46; Dark ; 50.0; 169; 46Gam Hya ; 2.99; 4700;occ; 100; 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
 23; 6556.2; 18-DEC-2009 16:20:16; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;40789
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 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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 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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 5; 69.1; 19-DEC-2009 00:35:44; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;40795
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 19; 2308.7; 19-DEC-2009 01:13:04; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;40795
 20; 2432.7; 19-DEC-2009 01:15:08; Bright; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;40795
 21; 2639.5; 19-DEC-2009 01:18:34; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;40795
 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
 27; 4538.5; 19-DEC-2009 01:50:13; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;40795
 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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 6; 308.9; 19-DEC-2009 02:20:20; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40796
 7; 523.7; 19-DEC-2009 02:23:55; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40796
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 12; 1281.3; 19-DEC-2009 02:36:32; Dark ; 53.0; 23; 21Eps CMa ; 1.50; 26000;occ; 106; 0;40796
 13; 1385.5; 19-DEC-2009 02:38:16; Dark ; 51.0; 179; 240mi2CMa ; 3.03; 24000;occ; 102; 0;40796
 14; 1559.8; 19-DEC-2009 02:41:11; Dark ; 59.0; 1; 9Alp CMa ; -1.44; 11000;occ; 118; 0;40796
 15; 1751.9; 19-DEC-2009 02:44:23; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;40796
 16; 1881.3; 19-DEC-2009 02:46:32; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;40796
 17; 2061.4; 19-DEC-2009 02:49:32; Dark ; 63.0; 14; 58Alp Ori ; 0.87; 3000;occ; 126; 0;40796
 18; 2188.2; 19-DEC-2009 02:51:39; Dark ; 53.0; 13; 87Alp Tau ; 0.87; 3800;occ; 106; 0;40796
 19; 2308.6; 19-DEC-2009 02:53:39; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;40796
 20; 2432.4; 19-DEC-2009 02:55:43; Bright; 39.5; 28; 12Bet Tau ; 1.65; 15200;occ; 79; 0;40796
 21; 2639.1; 19-DEC-2009 02:59:10; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;40796
 22; 2726.8; 19-DEC-2009 03:00:38; Bright; 44.0; 6; 13Alp Aur ; 0.08; 3400;occ; 88; 0;40796

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 5;-1497.1; 19-DEC-2009 03:30:50; Bright; 55.0; 83; ; 2.38; 11000;occ; 110; 0;40796
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 9; -298.4; 19-DEC-2009 03:50:48; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;40796
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 12; 309.8; 19-DEC-2009 04:00:57; Dark ; 48.5; 113; Mu Vel ; 2.69; 5000;occ; 97; 0;40797
 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
 17; 1092.5; 19-DEC-2009 04:13:59; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0;40797
 18; 1281.8; 19-DEC-2009 04:17:09; Dark ; 52.0; 23; 21Eps CMa ; 1.50; 26000;occ; 104; 0;40797
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 20; 1560.0; 19-DEC-2009 04:21:47; Dark ; 56.0; 1; 9Alp CMa ; -1.44; 11000;occ; 112; 0;40797
 21; 1752.2; 19-DEC-2009 04:24:59; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0;40797
 22; 1881.8; 19-DEC-2009 04:27:09; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;40797
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 25; 2308.3; 19-DEC-2009 04:34:15; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;40797
 26; 2432.2; 19-DEC-2009 04:36:19; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;40797
 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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 29; 3703.6; 19-DEC-2009 04:57:30; Bright; 21.5; 60; 7Bet UMi ; 2.08; 3950;occ; 43; 0;40797

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 4;-1693.5; 19-DEC-2009 05:08:09; Bright; 45.0; 180; 27Gam Boo ; 3.04; 8000;occ; 90; 0;40797
 5;-1497.1; 19-DEC-2009 05:11:26; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;40797
 6;-1290.6; 19-DEC-2009 05:14:52; Bright; 43.5; 111; 8Eta Boo ; 2.68; 6000;occ; 87; 0;40797
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 9; -297.3; 19-DEC-2009 05:31:26; Dark ; 52.0; 106; 9Bet Crv ; 2.65; 5600;occ; 104; 0;40797
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 12; 310.8; 19-DEC-2009 05:41:34; Dark ; 54.5; 113; Mu Vel ; 2.69; 5000;occ; 109; 0;40798
 13; 525.1; 19-DEC-2009 05:45:08; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;40798
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 17; 1092.8; 19-DEC-2009 05:54:36; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;40798
 18; 1282.0; 19-DEC-2009 05:57:45; Dark ; 50.5; 23; 21Eps CMa ; 1.50; 26000;occ; 101; 0;40798
 19; 1386.2; 19-DEC-2009 05:59:29; Dark ; 51.5; 179; 240mi2CMa ; 3.03; 24000;occ; 103; 0;40798
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 21; 1752.1; 19-DEC-2009 06:05:35; Dark ; 46.5; 7; 19Bet Ori ; 0.10; 14000;occ; 93; 0;40798
 22; 1881.5; 19-DEC-2009 06:07:44; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;40798
 23; 2061.0; 19-DEC-2009 06:10:44; Dark ; 61.0; 14; 58Alp Ori ; 0.87; 3000;occ; 122; 0;40798
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 25; 2308.0; 19-DEC-2009 06:14:51; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;40798

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3; 1285.4; 19-DEC-2009 21:03:12; Dark ; 50.5; 23; 21Eps CMa ; 1.50; 26000;occ; 101; 0;40807
4; 1388.8; 19-DEC-2009 21:04:55; Dark ; 50.5; 179; 240mi2CMa ; 3.03; 24000;occ; 101; 0;40807
5; 1561.0; 19-DEC-2009 21:07:47; Dark ; 57.0; 1; 9Alp CMa ; -1.44; 11000;occ; 114; 0;40807
6; 1752.7; 19-DEC-2009 21:10:59; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0;40807
7; 1880.8; 19-DEC-2009 21:13:07; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;40807
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9; 2188.1; 19-DEC-2009 21:18:14; Dark ; 47.0; 13; 87Alp Tau ; 0.87; 3800;occ; 94; 0;40807
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17; 4342.6; 19-DEC-2009 21:54:09; Bright; 53.0; 180; 27Gam Boo ; 3.04; 8000;occ; 106; 0;40807
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3; -285.2; 19-DEC-2009 22:17:37; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;40807
4; -22.8; 19-DEC-2009 22:21:59; Dark ; 48.0; 64; Gam Cen ; 2.20; 10600;occ; 96; 0;40807
5; 78.6; 19-DEC-2009 22:23:41; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;40808
6; 319.9; 19-DEC-2009 22:27:42; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;40808
7; 531.2; 19-DEC-2009 22:31:13; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;40808
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13; 1389.0; 19-DEC-2009 22:45:31; Dark ; 49.0; 179; 240mi2CMa ; 3.03; 24000;occ; 98; 0;40808
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16; 1880.7; 19-DEC-2009 22:53:43; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;40808
17; 2058.1; 19-DEC-2009 22:56:40; Dark ; 63.0; 14; 58Alp Ori ; 0.87; 3000;occ; 126; 0;40808
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19; 2304.9; 19-DEC-2009 23:00:47; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;40808
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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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25; 4133.0; 19-DEC-2009 23:31:15; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;40808
26; 4343.0; 19-DEC-2009 23:34:45; Bright; 50.5; 180; 27Gam Boo ; 3.04; 8000;occ; 101; 0;40808
27; 4540.8; 19-DEC-2009 23:38:03; Bright; 55.0; 83; ; 2.38; 11000;occ; 110; 0;40808
28; 4749.0; 19-DEC-2009 23:41:31; Bright; 63.0; 111; 8Eta Boo ; 2.68; 6000;occ; 126; 0;40808
29; 5371.3; 19-DEC-2009 23:51:53; Dark ; 45.0; 15; 67Alp Vir ; 0.98; 28000;occ; 90; 0;40808
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3; -284.0; 19-DEC-2009 23:58:14; Dark ; 51.5; 106; 9Bet Crv ; 2.65; 5600;occ; 103; 0;40808
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5; 79.3; 20-DEC-2009 00:04:17; Dark ; 46.5; 99; Del Cen ; 2.58; 26000;occ; 93; 0;40809
6; 320.8; 20-DEC-2009 00:08:19; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40809
7; 531.7; 20-DEC-2009 00:11:50; Dark ; 49.0; 71; Iot Car ; 2.25; 7700;occ; 98; 0;40809
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9; 815.6; 20-DEC-2009 00:16:34; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40809
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11; 1098.3; 20-DEC-2009 00:21:16; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0;40809
12; 1285.9; 20-DEC-2009 00:24:24; Dark ; 49.5; 23; 21Eps CMa ; 1.50; 26000;occ; 99; 0;40809
13; 1389.3; 20-DEC-2009 00:26:07; Dark ; 49.0; 179; 240mi2CMa ; 3.03; 24000;occ; 98; 0;40809
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26; 4343.1; 20-DEC-2009 01:15:21; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;40809
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13; 4548.0; 22-DEC-2009 15:20:56; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;40846
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15; 5405.6; 22-DEC-2009 15:35:13; Dark ; 53.5; 15; 67Alp Vir ; 0.98; 28000;occ; 107; 0;40846
16; 5682.5; 22-DEC-2009 15:39:50; Dark ; 47.5; 54; 5The Cen ; 2.06; 4500;occ; 95; 0;40846
17; 5800.7; 22-DEC-2009 15:41:48; Dark ; 55.5; 106; 9Bet Crv ; 2.65; 5600;occ; 111; 0;40846
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23; 6772.6; 22-DEC-2009 15:58:00; Dark ; 66.5; 65; Lam Vel ; 2.20; 4400;occ; 133; 0;40846
24; 6876.2; 22-DEC-2009 15:59:44; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;40846
25; 7007.1; 22-DEC-2009 16:01:55; Dark ; 49.5; 70; Zet Pup ; 2.25; 39000;occ; 99; 0;40846
26; 7152.8; 22-DEC-2009 16:04:20; Dark ; 50.0; 117; Pi Pup ; 2.71; 3800;occ; 100; 0;40846
27; 7335.7; 22-DEC-2009 16:07:23; Dark ; 48.0; 23; 21Eps CMA ; 1.50; 26000;occ; 96; 0;40846

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3; 1300.6; 22-DEC-2009 21:09:12; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;40850
4; 1401.2; 22-DEC-2009 21:10:53; Dark ; 51.0; 179; 240mi2CMA ; 3.03; 24000;occ; 102; 0;40850
5; 1566.0; 22-DEC-2009 21:13:38; Dark ; 56.0; 1; 9Alp CMA ; -1.44; 11000;occ; 112; 0;40850
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9; 2292.7; 22-DEC-2009 21:25:44; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;40850
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11; 2612.7; 22-DEC-2009 21:31:04; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;40850
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13; 3700.9; 22-DEC-2009 21:49:12; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;40850
14; 3957.4; 22-DEC-2009 21:53:29; Bright; 49.0; 32; 77Eps UMa ; 1.76; 11000;occ; 98; 0;40850
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17; 4548.5; 22-DEC-2009 22:03:20; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;40850
18; 4764.9; 22-DEC-2009 22:06:56; Bright; 64.5; 111; 8Eta Boo ; 2.68; 6000;occ; 129; 0;40850

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3; -230.0; 22-DEC-2009 22:24:17; Dark ; 57.5; 106; 9Bet Crv ; 2.65; 5600;occ; 115; 0;40850
4; 93.1; 22-DEC-2009 22:29:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40851
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6; 556.8; 22-DEC-2009 22:37:24; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40851
7; 663.7; 22-DEC-2009 22:39:11; Dark ; 48.0; 41; Eps Car ; 1.86; 4100;occ; 96; 0;40851
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9; 973.6; 22-DEC-2009 22:44:21; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;40851
10; 1118.8; 22-DEC-2009 22:46:46; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;40851
11; 1300.9; 22-DEC-2009 22:49:48; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;40851
12; 1401.3; 22-DEC-2009 22:51:29; Dark ; 49.0; 179; 240mi2CMA ; 3.03; 24000;occ; 98; 0;40851
13; 1566.0; 22-DEC-2009 22:54:13; Dark ; 53.0; 1; 9Alp CMA ; -1.44; 11000;occ; 106; 0;40851
14; 1755.6; 22-DEC-2009 22:57:23; Dark ; 46.5; 7; 19Bet Ori ; 0.10; 14000;occ; 93; 0;40851
15; 1879.0; 22-DEC-2009 22:59:26; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;40851
16; 2048.7; 22-DEC-2009 23:02:16; Dark ; 53.5; 14; 58Alp Ori ; 0.87; 3000;occ; 107; 0;40851
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18; 2417.2; 22-DEC-2009 23:08:25; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;40851
19; 2612.3; 22-DEC-2009 23:11:40; Bright; 61.0; 107; 37The Aur ; 2.65; 11000;occ; 122; 0;40851
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22; 3956.9; 22-DEC-2009 23:34:04; Bright; 42.5; 32; 77Eps UMa ; 1.76; 11000;occ; 85; 0;40851
23; 4129.1; 22-DEC-2009 23:36:57; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40851
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25; 4548.7; 22-DEC-2009 23:43:56; Bright; 54.5; 83; ; 2.38; 11000;occ; 109; 0;40851
26; 4765.4; 22-DEC-2009 23:47:33; Bright; 43.5; 111; 8Eta Boo ; 2.68; 6000;occ; 87; 0;40851

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 3; -228.7; 23-DEC-2009 00:04:55; Dark ; 61.0; 106; 9Bet Crv ; 2.65; 5600;occ; 122; 0;40851
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 5; 359.8; 23-DEC-2009 00:14:43; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40852
 6; 557.3; 23-DEC-2009 00:18:01; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;40852
 7; 664.0; 23-DEC-2009 00:19:47; Dark ; 51.5; 41; Eps Car ; 1.86; 4100;occ; 103; 0;40852
 8; 843.1; 23-DEC-2009 00:22:46; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;40852
 9; 974.1; 23-DEC-2009 00:24:57; Dark ; 49.5; 70; Zet Pup ; 2.25; 39000;occ; 99; 0;40852
 10; 1119.4; 23-DEC-2009 00:27:23; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;40852
 11; 1301.1; 23-DEC-2009 00:30:24; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;40852
 12; 1401.5; 23-DEC-2009 00:32:05; Dark ; 49.0; 179; 240mi2CMA ; 3.03; 24000;occ; 98; 0;40852
 13; 1566.1; 23-DEC-2009 00:34:49; Dark ; 56.5; 1; 9Alp CMA ; -1.44; 11000;occ; 113; 0;40852
 14; 1755.8; 23-DEC-2009 00:37:59; Dark ; 46.0; 7; 19Bet Ori ; 0.10; 14000;occ; 92; 0;40852
 15; 1879.0; 23-DEC-2009 00:40:02; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;40852
 16; 2048.4; 23-DEC-2009 00:42:52; Dark ; 57.5; 14; 58Alp Ori ; 0.87; 3000;occ; 115; 0;40852
 17; 2292.2; 23-DEC-2009 00:46:56; Bright; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;40852
 18; 2417.0; 23-DEC-2009 00:49:00; Bright; 52.5; 28; 12Bet Tau ; 1.65; 15200;occ; 105; 0;40852
 19; 2611.8; 23-DEC-2009 00:52:15; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;40852
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 21; 3700.9; 23-DEC-2009 01:10:24; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;40852
 22; 3956.9; 23-DEC-2009 01:14:40; Bright; 47.5; 32; 77Eps UMa ; 1.76; 11000;occ; 95; 0;40852
 23; 4129.0; 23-DEC-2009 01:17:32; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40852
 24; 4346.1; 23-DEC-2009 01:21:09; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40852
 25; 4549.0; 23-DEC-2009 01:24:32; Bright; 56.0; 83; ; 2.38; 11000;occ; 112; 0;40852
 26; 4765.8; 23-DEC-2009 01:28:09; Bright; 65.5; 111; 8Eta Boo ; 2.68; 6000;occ; 131; 0;40852

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 6; 2049.6; 22-DEC-2009 16:19:53; Dark ; 54.5; 14; 58Alp Ori ; 0.87; 3000;occ; 109; 0;40847
 7; 2293.5; 22-DEC-2009 16:23:57; Bright; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;40847
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 9; 2614.1; 22-DEC-2009 16:29:18; Bright; 57.5; 107; 37The Aur ; 2.65; 11000;occ; 115; 0;40847
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 12; 3958.5; 22-DEC-2009 16:51:42; Bright; 64.0; 32; 77Eps UMa ; 1.76; 11000;occ; 128; 0;40847
 13; 4129.7; 22-DEC-2009 16:54:33; Bright; 43.5; 39; 85Eta UMa ; 1.85; 24000;occ; 87; 0;40847
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 15; 4547.9; 22-DEC-2009 17:01:31; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;40847
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 19; 5802.2; 22-DEC-2009 17:22:26; Dark ; 64.5; 106; 9Bet Crv ; 2.65; 5600;occ; 129; 0;40847
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 22; 6392.2; 22-DEC-2009 17:32:16; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40847
 23; 6591.3; 22-DEC-2009 17:35:35; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40847
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 26; 6876.7; 22-DEC-2009 17:40:20; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;40847
 27; 7007.6; 22-DEC-2009 17:42:31; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;40847

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 3; 1299.9; 22-DEC-2009 17:48:00; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;40848
 4; 1400.7; 22-DEC-2009 17:49:40; Dark ; 49.5; 179; 240mi2CMA ; 3.03; 24000;occ; 99; 0;40848
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 9; 2293.3; 22-DEC-2009 18:04:33; Bright; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;40848
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 19; 5407.5; 22-DEC-2009 18:56:27; Dark ; 55.0; 15; 67Alp Vir ; 0.98; 28000;occ; 110; 0;40848
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 21; 5803.4; 22-DEC-2009 19:03:03; Dark ; 56.5; 106; 9Bet Crv ; 2.65; 5600;occ; 113; 0;40848
 22; 6041.7; 22-DEC-2009 19:07:01; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;40848
 23; 6140.3; 22-DEC-2009 19:08:40; Dark ; 43.0; 26; Gam Cru ; 1.62; 2900;occ; 86; 0;40848
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 26; 6684.6; 22-DEC-2009 19:17:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40848
 27; 6774.3; 22-DEC-2009 19:19:14; Dark ; 50.0; 65; Lam Vel ; 2.20; 4400;occ; 100; 0;40848
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 6; 1566.1; 22-DEC-2009 19:33:02; Dark ; 55.0; 1; 9Alp CMa ; -1.44; 11000;occ; 110; 0;40849
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 17; 4346.1; 22-DEC-2009 20:19:22; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40849
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 19; 4764.7; 22-DEC-2009 20:26:20; Bright; 65.0; 111; 8Eta Boo ; 2.68; 6000;occ; 130; 0;40849
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 21; 5683.8; 22-DEC-2009 20:41:39; Dark ; 43.5; 54; 5The Cen ; 2.06; 4500;occ; 87; 0;40849
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5; 1405.2; 23-DEC-2009 20:39:20; Dark ; 49.5; 179; 240mi2CMa ; 3.03; 24000;occ; 99; 0;40864
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11; 97.4; 23-DEC-2009 06:52:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40856
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17; 1121.2; 23-DEC-2009 07:09:48; Dark ; 49.0; 117; Pi Pup ; 2.71; 3800;occ; 98; 0;40856
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22; 6882.3; 23-DEC-2009 08:45:49; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;40856
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26; 7438.9; 23-DEC-2009 08:55:06; Dark ; 48.5; 179; 240mi2CMa ; 3.03; 24000;occ; 97; 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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11; 4128.3; 23-DEC-2009 11:21:07; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40858
12; 4346.9; 23-DEC-2009 11:24:46; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;40858
13; 4550.1; 23-DEC-2009 11:28:09; Bright; 57.0; 83; ; 2.38; 11000;occ; 114; 0;40858
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 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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23; 2413.4; 24-DEC-2009 03:38:32; Bright; 40.5; 28; 12Bet Tau ; 1.65; 15200;occ; 81; 0;40868
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23;	6177.5;	26-DEC-2009	18:43:25;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	40905
24;	6444.9;	26-DEC-2009	18:47:53;	Dark	;	47.5;	113;	Mu Vel	;	2.69;	5000;	occ;	95;	0;	40905
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26;	6726.9;	26-DEC-2009	18:52:35;	Dark	;	52.5;	41;	Eps Car	;	1.86;	4100;	occ;	105;	0;	40905
27;	6911.5;	26-DEC-2009	18:55:39;	Dark	;	47.0;	34;	Gam2Vel	;	1.79;	23000;	occ;	94;	0;	40905
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4;	1415.9;	26-DEC-2009	19:04:40;	Dark	;	46.5;	179;	240mi2CMa	;	3.03;	24000;	occ;	93;	0;	40906
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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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 22; 5754.7; 30-DEC-2009 19:51:07; Dark ; 54.5; 54; 5The Cen ; 2.06; 4500;occ; 109; 0;40963
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13; 1430.6; 31-DEC-2009 03:02:02; Dark ; 45.5; 179; 240mi2CMa ; 3.03; 24000;occ; 91; 0;40968
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