

GOMOS Daily Report 12-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	14DEC2009 04:42:35
Data source version	GOMOS/5.00L04
Start time of products	12DEC2009 00:00:09
Stop time of products	12DEC2009 23:54:42
Store outputs in DB	Yes
Nb of level 1b prods	154
Nb of prods with errors	0

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

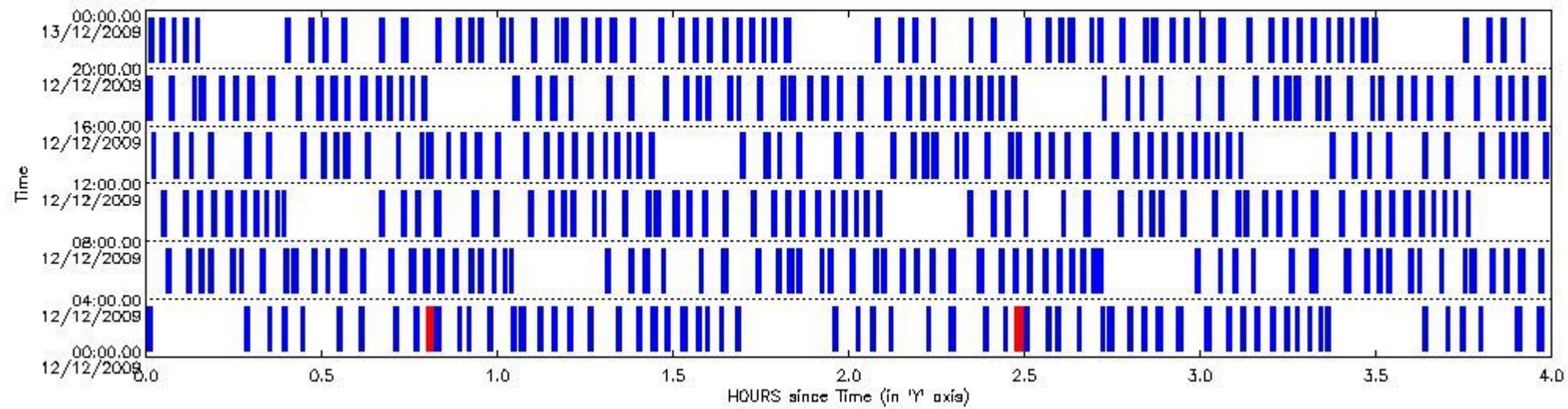
2.1 Level 0 products arrived in PCF (see template [here](#))

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
12-DEC-2009 00:47:48	4GamCrv	100	40694
12-DEC-2009 02:28:25	4GamCrv	100	40695

2.4 Summary of processed GOM_TRA_1P products

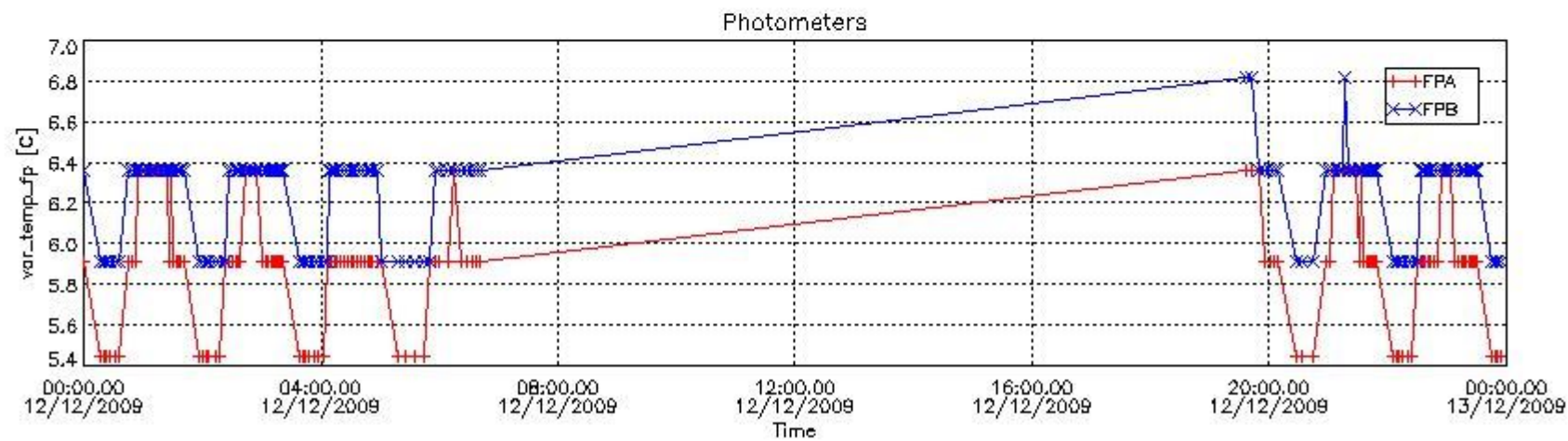
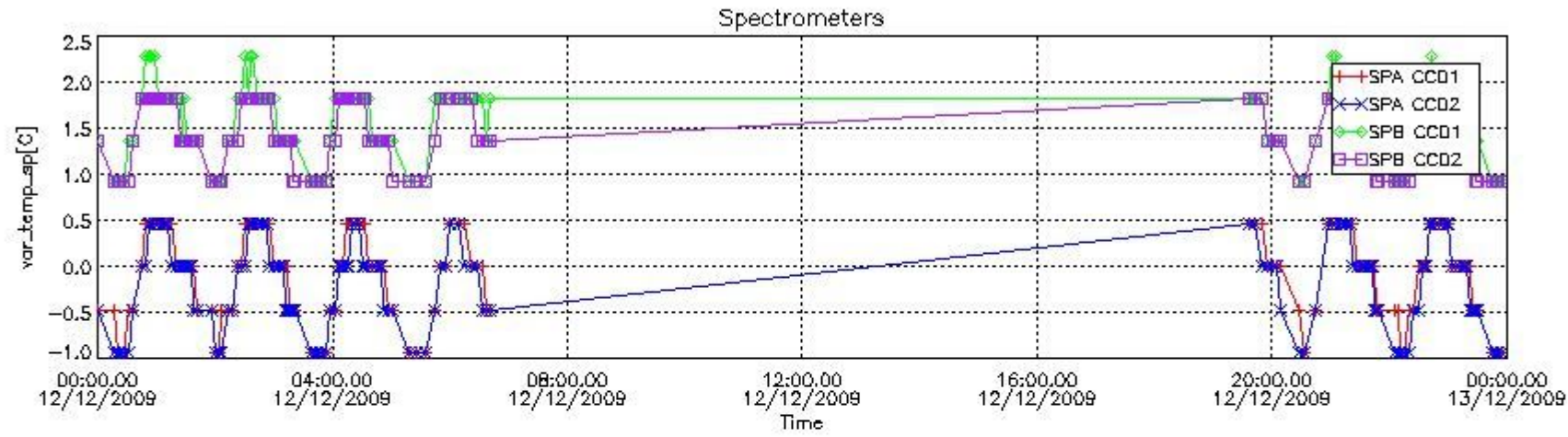
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20091212_000009_000000452085_00059_40694_7636.N1	12-DEC-2009 00:00:09	Bright	44.500	6	13Alp Aur	0.080000	3400.0	89	40694	No
2	GOM_TRA_1PNPDE20091212_001643_000000512085_00059_40694_7637.N1	12-DEC-2009 00:16:43	Bright	50.500	36	50Alp UMa	1.8000	6300.0	101	40694	No
3	GOM_TRA_1PNPDE20091212_002039_000000462085_00059_40694_7638.N1	12-DEC-2009 00:20:39	Bright	45.500	32	77Eps UMa	1.7630	11000.	91	40694	No
4	GOM_TRA_1PNPDE20091212_002305_000000562085_00059_40694_7639.N1	12-DEC-2009 00:23:05	Bright	55.500	39	85Eta UMa	1.8540	24000.	111	40694	No
5	GOM_TRA_1PNPDE20091212_002618_000000372085_00059_40694_7640.N1	12-DEC-2009 00:26:18	Bright	37.000	180	27Gam Boo	3.0400	8000.0	74	40694	No
6	GOM_TRA_1PNPDE20091212_003239_000000392085_00059_40694_7641.N1	12-DEC-2009 00:32:39	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	40694	No
7	GOM_TRA_1PNPDE20091212_003618_000000452085_00059_40694_7642.N1	12-DEC-2009 00:36:18	Bright	44.500	138	47Eps Vir	2.8280	4700.0	89	40694	No
8	GOM_TRA_1PNPDE20091212_004542_000000452085_00059_40694_7639.N1	12-DEC-2009 00:45:42	Twilight	44.500	169	46Gam Hya	2.9910	4700.0	89	40694	No
9	GOM_TRA_1PNPDE20091212_004916_000000522085_00059_40694_7640.N1	12-DEC-2009 00:49:16	Dark	52.000	171	2Eps Crv	3.0010	4250.0	104	40694	No

10	GOM_TRA_1PNPDE20091212_005308_000000392085_00059_40694_7641.N1	12-DEC-2009 00:53:08	Dark	39.000	64	Gam Cen	2.2000	10600.	78	40694	No
11	GOM_TRA_1PNPDE20091212_005441_000000412085_00059_40694_7642.N1	12-DEC-2009 00:54:41	Dark	41.000	99	Del Cen	2.5750	26000.	82	40694	No
12	GOM_TRA_1PNPDE20091212_005820_000000502085_00060_40695_7643.N1	12-DEC-2009 00:58:20	Dark	49.500	113	Mu Vel	2.6920	5000.0	99	40695	No
13	GOM_TRA_1PNPDE20091212_010222_000000452085_00060_40695_7644.N1	12-DEC-2009 01:02:22	Dark	45.000	71	lot Car	2.2460	7700.0	90	40695	No
14	GOM_TRA_1PNPDE20091212_010656_000000482085_00060_40695_7645.N1	12-DEC-2009 01:06:56	Dark	47.500	34	Gam2Vel	1.7930	23000.	95	40695	No
15	GOM_TRA_1PNPDE20091212_010923_000000402085_00060_40695_7646.N1	12-DEC-2009 01:09:23	Dark	40.000	2	Alp Car	-0.73600	7000.0	80	40695	No
16	GOM_TRA_1PNPDE20091212_011155_000000532085_00060_40695_7647.N1	12-DEC-2009 01:11:55	Dark	52.500	117	Pi Pup	2.7060	3800.0	105	40695	No
17	GOM_TRA_1PNPDE20091212_011519_000000552085_00060_40695_7648.N1	12-DEC-2009 01:15:19	Straylight	55.000	23	21Eps CMa	1.5020	26000.	110	40695	No
18	GOM_TRA_1PNPDE20091212_012010_000000542085_00060_40695_7649.N1	12-DEC-2009 01:20:10	Straylight	54.000	47	2Bet CMa	1.9760	28000.	108	40695	No
19	GOM_TRA_1PNPDE20091212_012349_000000502085_00060_40695_7650.N1	12-DEC-2009 01:23:49	Straylight	50.000	7	19Bet Ori	0.10000	14000.	100	40695	No
20	GOM_TRA_1PNPDE20091212_012613_000000522085_00060_40695_7651.N1	12-DEC-2009 01:26:13	Straylight	52.000	30	46Eps Ori	1.6940	30000.	104	40695	No
21	GOM_TRA_1PNPDE20091212_012839_000000502085_00060_40695_7652.N1	12-DEC-2009 01:28:39	Twilight	50.000	27	24Gam Ori	1.6360	26000.	100	40695	No
22	GOM_TRA_1PNPDE20091212_013117_000000562085_00060_40695_7653.N1	12-DEC-2009 01:31:17	Twilight	56.000	13	87Alp Tau	0.86700	3800.0	112	40695	No
23	GOM_TRA_1PNPDE20091212_013352_000000442085_00060_40695_7654.N1	12-DEC-2009 01:33:52	Bright	43.500	176	23Zet Tau	3.0200	22000.	87	40695	No
24	GOM_TRA_1PNPDE20091212_013532_000000372085_00060_40695_7655.N1	12-DEC-2009 01:35:32	Bright	36.500	150	44Zet Per	2.8900	28000.	73	40695	No
25	GOM_TRA_1PNPDE20091212_013752_000000352085_00060_40695_7656.N1	12-DEC-2009 01:37:52	Bright	34.500	149	45Eps Per	2.8880	30000.	69	40695	No
26	GOM_TRA_1PNPDE20091212_014044_000000442085_00060_40695_7657.N1	12-DEC-2009 01:40:44	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	40695	No
27	GOM_TRA_1PNPDE20091212_015718_000000492085_00060_40695_7658.N1	12-DEC-2009 01:57:18	Bright	49.000	36	50Alp UMa	1.8000	6300.0	98	40695	No
28	GOM_TRA_1PNPDE20091212_020115_000000402085_00060_40695_7659.N1	12-DEC-2009 02:01:15	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	40695	No
29	GOM_TRA_1PNPDE20091212_020341_000000432085_00060_40695_7660.N1	12-DEC-2009 02:03:41	Bright	42.500	39	85Eta UMa	1.8540	24000.	85	40695	No
30	GOM_TRA_1PNPDE20091212_020654_000000342085_00060_40695_7661.N1	12-DEC-2009 02:06:54	Bright	34.000	180	27Gam Boo	3.0400	8000.0	68	40695	No
31	GOM_TRA_1PNPDE20091212_021315_000000382085_00060_40695_7662.N1	12-DEC-2009 02:13:15	Bright	38.000	111	8Eta Boo	2.6800	6000.0	76	40695	No
32	GOM_TRA_1PNPDE20091212_021655_000000682085_00060_40695_7663.N1	12-DEC-2009 02:16:55	Bright	67.500	138	47Eps Vir	2.8280	4700.0	135	40695	No
33	GOM_TRA_1PNPDE20091212_022250_000000492085_00060_40695_7661.N1	12-DEC-2009 02:22:50	Twilight	49.000	15	67Alp Vir	0.97600	28000.	98	40695	No
34	GOM_TRA_1PNPDE20091212_022618_000000462085_00060_40695_7662.N1	12-DEC-2009 02:26:18	Twilight	45.500	169	46Gam Hya	2.9910	4700.0	91	40695	No
35	GOM_TRA_1PNPDE20091212_022953_000000542085_00060_40695_7663.N1	12-DEC-2009 02:29:53	Dark	53.500	171	2Eps Crv	3.0010	4250.0	107	40695	No
36	GOM_TRA_1PNPDE20091212_023344_000000412085_00060_40695_7664.N1	12-DEC-2009 02:33:44	Dark	41.000	64	Gam Cen	2.2000	10600.	82	40695	No
37	GOM_TRA_1PNPDE20091212_023518_000000402085_00060_40695_7665.N1	12-DEC-2009 02:35:18	Dark	40.000	99	Del Cen	2.5750	26000.	80	40695	No
38	GOM_TRA_1PNPDE20091212_023857_000000442085_00061_40696_7666.N1	12-DEC-2009 02:38:57	Dark	44.000	113	Mu Vel	2.6920	5000.0	88	40696	No
39	GOM_TRA_1PNPDE20091212_024259_000000432085_00061_40696_7667.N1	12-DEC-2009 02:42:59	Dark	42.500	71	lot Car	2.2460	7700.0	85	40696	No
40	GOM_TRA_1PNPDE20091212_024733_000000472085_00061_40696_7668.N1	12-DEC-2009 02:47:33	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	40696	No
41	GOM_TRA_1PNPDE20091212_024959_000000452085_00061_40696_7669.N1	12-DEC-2009 02:49:59	Dark	45.000	2	Alp Car	-0.73600	7000.0	90	40696	No
42	GOM_TRA_1PNPDE20091212_025232_000000542085_00061_40696_7670.N1	12-DEC-2009 02:52:32	Dark	53.500	117	Pi Pup	2.7060	3800.0	107	40696	No
43	GOM_TRA_1PNPDE20091212_025556_000000582085_00061_40696_7671.N1	12-DEC-2009 02:55:56	Straylight	58.000	23	21Eps CMa	1.5020	26000.	116	40696	No
44	GOM_TRA_1PNPDE20091212_030046_000000542085_00061_40696_7672.N1	12-DEC-2009 03:00:46	Straylight	53.500	47	2Bet CMa	1.9760	28000.	107	40696	No
45	GOM_TRA_1PNPDE20091212_030425_000000522085_00061_40696_7673.N1	12-DEC-2009 03:04:25	Straylight	51.500	7	19Bet Ori	0.10000	14000.	103	40696	No
46	GOM_TRA_1PNPDE20091212_030649_000000512085_00061_40696_7674.N1	12-DEC-2009 03:06:49	Straylight	51.000	30	46Eps Ori	1.6940	30000.	102	40696	No
47	GOM_TRA_1PNPDE20091212_030915_000000522085_00061_40696_7675.N1	12-DEC-2009 03:09:15	Twilight	51.500	27	24Gam Ori	1.6360	26000.	103	40696	No
48	GOM_TRA_1PNPDE20091212_031153_000000562085_00061_40696_7676.N1	12-DEC-2009 03:11:53	Twilight	55.500	13	87Alp Tau	0.86700	3800.0	111	40696	No
49	GOM_TRA_1PNPDE20091212_031428_000000492085_00061_40696_7677.N1	12-DEC-2009 03:14:28	Bright	49.000	176	23Zet Tau	3.0200	22000.	98	40696	No
50	GOM_TRA_1PNPDE20091212_031608_000000382085_00061_40696_7678.N1	12-DEC-2009 03:16:08	Bright	38.000	150	44Zet Per	2.8900	28000.	76	40696	No
51	GOM_TRA_1PNPDE20091212_031827_000000362085_00061_40696_7679.N1	12-DEC-2009 03:18:27	Bright	36.000	149	45Eps Per	2.8880	30000.	72	40696	No
52	GOM_TRA_1PNPDE20091212_032020_000000302085_00061_40696_7680.N1	12-DEC-2009 03:20:20	Twilight	30.000	107	37The Aur	2.6490	11000.	60	40696	No
53	GOM_TRA_1PNPDE20091212_032120_000000452085_00061_40696_7681.N1	12-DEC-2009 03:21:20	Bright	45.000	6	13Alp Aur	0.080000	3400.0	90	40696	No
54	GOM_TRA_1PNPDE20091212_033754_000000502085_00061_40696_7681.N1	12-DEC-2009 03:37:54	Bright	49.500	36	50Alp UMa	1.8000	6300.0	99	40696	No
55	GOM_TRA_1PNPDE20091212_034151_000000392085_00061_40696_7682.N1	12-DEC-2009 03:41:51	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	40696	No
56	GOM_TRA_1PNPDE20091212_034417_000000562085_00061_40696_7683.N1	12-DEC-2009 03:44:17	Bright	56.000	39	85Eta UMa	1.8540	24000.	112	40696	No
57	GOM_TRA_1PNPDE20091212_034730_000000412085_00061_40696_7684.N1	12-DEC-2009 03:47:30	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	40696	No
58	GOM_TRA_1PNPDE20091212_035351_000000572085_00061_40696_7685.N1	12-DEC-2009 03:53:51	Bright	57.000	111	8Eta Boo	2.6800	6000.0	114	40696	No
59	GOM_TRA_1PNPDE20091212_035731_000000682085_00061_40696_7686.N1	12-DEC-2009 03:57:31	Bright	68.000	138	47Eps Vir	2.8280	4700.0	136	40696	No
60	GOM_TRA_1PNPDE20091212_040326_000000502085_00061_40696_7687.N1	12-DEC-2009 04:03:26	Twilight	50.000	15	67Alp Vir	0.97600	28000.	100	40696	No
61	GOM_TRA_1PNPDE20091212_040655_000000462085_00061_40696_7688.N1	12-DEC-2009 04:06:55	Twilight	45.500	169	46Gam Hya	2.9910	4700.0	91	40696	No
62	GOM_TRA_1PNPDE20091212_040854_000000522085_00061_40696_7689.N1	12-DEC-2009 04:08:54	Dark	52.000	100	4Gam Crv	2.5800	13100.	104	40696	No
63	GOM_TRA_1PNPDE20091212_041030_000000572085_00061_40696_7690.N1	12-DEC-2009 04:10:30	Dark	56.500	171	2Eps Crv	3.0010	4250.0	113	40696	No
64	GOM_TRA_1PNPDE20091212_041421_000000432085_00061_40696_7691.N1	12-DEC-2009 04:14:21	Dark	43.000	64	Gam Cen	2.2000	10600.	86	40696	No
65	GOM_TRA_1PNPDE20091212_041554_000000412085_00061_40696_7692.N1	12-DEC-2009 04:15:54	Dark	40.500	99	Del Cen	2.5750	26000.	81	40696	No
66	GOM_TRA_1PNPDE20091212_041934_000000452085_00062_40697_7693.N1	12-DEC-2009 04:19:34	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	40697	No
67	GOM_TRA_1PNPDE20091212_042335_000000472085_00062_40697_7694.N1	12-DEC-2009 04:23:35	Dark	46.500	71	lot Car	2.2460	7700.0	93	40697	No
68	GOM_TRA_1PNPDE20091212_042810_000000492085_00062_40697_7695.N1	12-DEC-2009 04:28:10	Dark	48.500	34	Gam2Vel	1.7930	23000.	97	40697	No

69	GOM_TRA_1PNPDE20091212_043035_000000452085_00062_40697_7696.N1	12-DEC-2009 04:30:35	Dark	45.000	2	Alp Car	-0.73600	7000.0	90	40697	No
70	GOM_TRA_1PNPDE20091212_043308_000000562085_00062_40697_7697.N1	12-DEC-2009 04:33:08	Dark	55.500	117	Pi Pup	2.7060	3800.0	111	40697	No
71	GOM_TRA_1PNPDE20091212_043632_000000582085_00062_40697_7698.N1	12-DEC-2009 04:36:32	Straylight	58.000	23	21Eps CMa	1.5020	26000.	116	40697	No
72	GOM_TRA_1PNPDE20091212_044123_000000552085_00062_40697_7699.N1	12-DEC-2009 04:41:23	Straylight	54.500	47	2Bet CMa	1.9760	28000.	109	40697	No
73	GOM_TRA_1PNPDE20091212_044501_000000522085_00062_40697_7700.N1	12-DEC-2009 04:45:01	Straylight	51.500	7	19Bet Ori	0.10000	14000.	103	40697	No
74	GOM_TRA_1PNPDE20091212_044725_000000522085_00062_40697_7701.N1	12-DEC-2009 04:47:25	Straylight	52.000	30	46Eps Ori	1.6940	30000.	104	40697	No
75	GOM_TRA_1PNPDE20091212_044951_000000502085_00062_40697_7702.N1	12-DEC-2009 04:49:51	Tw_i_and_stray	50.000	27	24Gam Ori	1.6360	26000.	100	40697	No
76	GOM_TRA_1PNPDE20091212_045229_000000512085_00062_40697_7703.N1	12-DEC-2009 04:52:29	Tw_i_and_stray	51.000	13	87Alp Tau	0.86700	3800.0	102	40697	No
77	GOM_TRA_1PNPDE20091212_045644_000000382085_00062_40697_7705.N1	12-DEC-2009 04:56:44	Bright	37.500	150	44Zet Per	2.8900	28000.	75	40697	No
78	GOM_TRA_1PNPDE20091212_050055_000000302085_00062_40697_7707.N1	12-DEC-2009 05:00:55	Tw_i_and_stray	30.000	107	37The Aur	2.6490	11000.	60	40697	No
79	GOM_TRA_1PNPDE20091212_051829_000000482085_00062_40697_7701.N1	12-DEC-2009 05:18:29	Bright	47.500	36	50Alp UMa	1.8000	6300.0	95	40697	No
80	GOM_TRA_1PNPDE20091212_052453_000000562085_00062_40697_7703.N1	12-DEC-2009 05:24:53	Bright	56.000	39	85Eta UMa	1.8540	24000.	112	40697	No
81	GOM_TRA_1PNPDE20091212_053427_000000382085_00062_40697_7705.N1	12-DEC-2009 05:34:27	Bright	38.000	111	8Eta Boo	2.6800	6000.0	76	40697	No
82	GOM_TRA_1PNPDE20091212_054403_000000532085_00062_40697_7707.N1	12-DEC-2009 05:44:03	Tw_i_and_stray	52.500	15	67Alp Vir	0.97600	28000.	105	40697	No
83	GOM_TRA_1PNPDE20091212_054931_000000552085_00062_40697_7709.N1	12-DEC-2009 05:49:31	Dark	55.000	100	4Gam Crv	2.5800	13100.	110	40697	No
84	GOM_TRA_1PNPDE20091212_055457_000000392085_00062_40697_7711.N1	12-DEC-2009 05:54:57	Dark	39.000	64	Gam Cen	2.2000	10600.	78	40697	No
85	GOM_TRA_1PNPDE20091212_060011_000000452085_00063_40698_7713.N1	12-DEC-2009 06:00:11	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	40698	No
86	GOM_TRA_1PNPDE20091212_060846_000000472085_00063_40698_7715.N1	12-DEC-2009 06:08:46	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	40698	No
87	GOM_TRA_1PNPDE20091212_061345_000000552085_00063_40698_7717.N1	12-DEC-2009 06:13:45	Dark	55.000	117	Pi Pup	2.7060	3800.0	110	40698	No
88	GOM_TRA_1PNPDE20091212_062159_000000562085_00063_40698_7719.N1	12-DEC-2009 06:21:59	Straylight	55.500	47	2Bet CMa	1.9760	28000.	111	40698	No
89	GOM_TRA_1PNPDE20091212_062801_000000502085_00063_40698_7721.N1	12-DEC-2009 06:28:01	Straylight	50.000	30	46Eps Ori	1.6940	30000.	100	40698	No
90	GOM_TRA_1PNPDE20091212_063304_000000552085_00063_40698_7723.N1	12-DEC-2009 06:33:04	Tw_i_and_stray	55.000	13	87Alp Tau	0.86700	3800.0	110	40698	No
91	GOM_TRA_1PNPDE20091212_063740_000000472085_00063_40698_7725.N1	12-DEC-2009 06:37:40	Bright	46.500	28	12Bet Tau	1.6500	15200.	93	40698	No
92	GOM_TRA_1PNPDE20091212_064130_000000362085_00063_40698_7727.N1	12-DEC-2009 06:41:30	Bright	36.000	107	37The Aur	2.6490	11000.	72	40698	No
93	GOM_TRA_1PNPDE20091212_193603_000000562085_00071_40706_7857.N1	12-DEC-2009 19:36:03	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	40706	No
94	GOM_TRA_1PNPDE20091212_194200_000000572085_00071_40706_7859.N1	12-DEC-2009 19:42:00	Straylight	57.000	23	21Eps CMa	1.5020	26000.	114	40706	No
95	GOM_TRA_1PNPDE20091212_195025_000000492085_00071_40706_7861.N1	12-DEC-2009 19:50:25	Straylight	49.000	7	19Bet Ori	0.10000	14000.	98	40706	No
96	GOM_TRA_1PNPDE20091212_195512_000000482085_00071_40706_7863.N1	12-DEC-2009 19:55:12	Tw_i_and_stray	48.000	27	24Gam Ori	1.6360	26000.	96	40706	No
97	GOM_TRA_1PNPDE20091212_200022_000000462085_00071_40706_7865.N1	12-DEC-2009 20:00:22	Bright	45.500	176	23Zet Tau	3.0200	22000.	91	40706	No
98	GOM_TRA_1PNPDE20091212_200426_000000362085_00071_40706_7867.N1	12-DEC-2009 20:04:26	Bright	36.000	149	45Eps Per	2.8880	30000.	72	40706	No
99	GOM_TRA_1PNPDE20091212_200819_000000472085_00071_40706_7869.N1	12-DEC-2009 20:08:19	Bright	46.500	42	34Bet Aur	1.9000	10200.	93	40706	No
100	GOM_TRA_1PNPDE20091212_202749_000000402085_00071_40706_7871.N1	12-DEC-2009 20:27:49	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	40706	No
101	GOM_TRA_1PNPDE20091212_203330_000000362085_00071_40706_7873.N1	12-DEC-2009 20:33:30	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	40706	No
102	GOM_TRA_1PNPDE20091212_204337_000000542085_00071_40706_7875.N1	12-DEC-2009 20:43:37	Bright	53.500	138	47Eps Vir	2.8280	4700.0	107	40706	No
103	GOM_TRA_1PNPDE20091212_205642_000000522085_00071_40706_7879.N1	12-DEC-2009 20:56:42	Dark	52.000	171	2Eps Crv	3.0010	4250.0	104	40706	No
104	GOM_TRA_1PNPDE20091212_210026_000000432085_00071_40706_7880.N1	12-DEC-2009 21:00:26	Dark	43.000	64	Gam Cen	2.2000	10600.	86	40706	No
105	GOM_TRA_1PNPDE20091212_210201_000000412085_00072_40707_7881.N1	12-DEC-2009 21:02:01	Dark	40.500	99	Del Cen	2.5750	26000.	81	40707	No
106	GOM_TRA_1PNPDE20091212_210542_000000472085_00072_40707_7882.N1	12-DEC-2009 21:05:42	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	40707	No
107	GOM_TRA_1PNPDE20091212_210941_000000402085_00072_40707_7883.N1	12-DEC-2009 21:09:41	Dark	39.500	71	lot Car	2.2460	7700.0	79	40707	No
108	GOM_TRA_1PNPDE20091212_211416_000000512085_00072_40707_7884.N1	12-DEC-2009 21:14:16	Dark	50.500	34	Gam2Vel	1.7930	23000.	101	40707	No
109	GOM_TRA_1PNPDE20091212_211639_000000562085_00072_40707_7885.N1	12-DEC-2009 21:16:39	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	40707	No
110	GOM_TRA_1PNPDE20091212_211914_000000562085_00072_40707_7886.N1	12-DEC-2009 21:19:14	Dark	55.500	117	Pi Pup	2.7060	3800.0	111	40707	No
111	GOM_TRA_1PNPDE20091212_212236_000000552085_00072_40707_7887.N1	12-DEC-2009 21:22:36	Straylight	55.000	23	21Eps CMa	1.5020	26000.	110	40707	No
112	GOM_TRA_1PNPDE20091212_212723_000000542085_00072_40707_7888.N1	12-DEC-2009 21:27:23	Straylight	54.000	47	2Bet CMa	1.9760	28000.	108	40707	No
113	GOM_TRA_1PNPDE20091212_213101_000000532085_00072_40707_7889.N1	12-DEC-2009 21:31:01	Straylight	53.000	7	19Bet Ori	0.10000	14000.	106	40707	No
114	GOM_TRA_1PNPDE20091212_213323_000000512085_00072_40707_7890.N1	12-DEC-2009 21:33:23	Straylight	51.000	30	46Eps Ori	1.6940	30000.	102	40707	No
115	GOM_TRA_1PNPDE20091212_213548_000000502085_00072_40707_7891.N1	12-DEC-2009 21:35:48	Tw_i_and_stray	49.500	27	24Gam Ori	1.6360	26000.	99	40707	No
116	GOM_TRA_1PNPDE20091212_213827_000000472085_00072_40707_7892.N1	12-DEC-2009 21:38:27	Tw_i_and_stray	47.000	13	87Alp Tau	0.86700	3800.0	94	40707	No
117	GOM_TRA_1PNPDE20091212_214057_000000442085_00072_40707_7893.N1	12-DEC-2009 21:40:57	Bright	44.000	176	23Zet Tau	3.0200	22000.	88	40707	No
118	GOM_TRA_1PNPDE20091212_214300_000000432085_00072_40707_7894.N1	12-DEC-2009 21:43:00	Bright	42.500	28	12Bet Tau	1.6500	15200.	85	40707	No
119	GOM_TRA_1PNPDE20091212_214502_000000382085_00072_40707_7895.N1	12-DEC-2009 21:45:02	Bright	37.500	149	45Eps Per	2.8880	30000.	75	40707	No
120	GOM_TRA_1PNPDE20091212_214647_000000462085_00072_40707_7896.N1	12-DEC-2009 21:46:47	Bright	46.000	107	37The Aur	2.6490	11000.	92	40707	No
121	GOM_TRA_1PNPDE20091212_214855_000000662085_00072_40707_7897.N1	12-DEC-2009 21:48:55	Bright	66.000	42	34Bet Aur	1.9000	10200.	132	40707	No
122	GOM_TRA_1PNPDE20091212_220424_000000482085_00072_40707_7898.N1	12-DEC-2009 22:04:24	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	40707	No
123	GOM_TRA_1PNPDE20091212_220824_000000452085_00072_40707_7899.N1	12-DEC-2009 22:08:24	Bright	45.000	32	77Eps UMa	1.7630	11000.	90	40707	No
124	GOM_TRA_1PNPDE20091212_221052_000000572085_00072_40707_7900.N1	12-DEC-2009 22:10:52	Bright	57.000	39	85Eta UMa	1.8540	24000.	114	40707	No
125	GOM_TRA_1PNPDE20091212_221406_000000372085_00072_40707_7901.N1	12-DEC-2009 22:14:06	Bright	37.000	180	27Gam Boo	3.0400	8000.0	74	40707	No
126	GOM_TRA_1PNPDE20091212_222029_000000392085_00072_40707_7902.N1	12-DEC-2009 22:20:29	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	40707	No
127	GOM_TRA_1PNPDE20091212_222413_000000542085_00072_40707_7903.N1	12-DEC-2009 22:24:13	Bright	54.000	138	47Eps Vir	2.8280	4700.0	108	40707	No

128	GOM_TRA_1PNPDE20091212_223009_000000442085_00072_40707_7904.N1	12-DEC-2009 22:30:09	Twilight	44.000	15	67Alp Vir	0.97600	28000.	88	40707	No
129	GOM_TRA_1PNPDE20091212_223009_000000512085_00072_40707_7901.N1	12-DEC-2009 22:30:09	Twilight	50.500	15	67Alp Vir	0.97600	28000.	101	40707	No
130	GOM_TRA_1PNPDE20091212_223338_000000462085_00072_40707_7902.N1	12-DEC-2009 22:33:38	Twilight	45.500	169	46Gam Hya	2.9910	4700.0	91	40707	No
131	GOM_TRA_1PNPDE20091212_223543_000000542085_00072_40707_7903.N1	12-DEC-2009 22:35:43	Dark	53.500	100	4Gam Crv	2.5800	13100.	107	40707	No
132	GOM_TRA_1PNPDE20091212_223719_000000632085_00072_40707_7904.N1	12-DEC-2009 22:37:19	Dark	63.000	171	2Eps Crv	3.0010	4250.0	126	40707	No
133	GOM_TRA_1PNPDE20091212_224102_000000442085_00072_40707_7905.N1	12-DEC-2009 22:41:02	Dark	43.500	64	Gam Cen	2.2000	10600.	87	40707	No
134	GOM_TRA_1PNPDE20091212_224237_000000412085_00073_40708_7906.N1	12-DEC-2009 22:42:37	Dark	40.500	99	Del Cen	2.5750	26000.	81	40708	No
135	GOM_TRA_1PNPDE20091212_224619_000000422085_00073_40708_7907.N1	12-DEC-2009 22:46:19	Dark	42.000	113	Mu Vel	2.6920	5000.0	84	40708	No
136	GOM_TRA_1PNPDE20091212_225018_000000432085_00073_40708_7908.N1	12-DEC-2009 22:50:18	Dark	42.500	71	lot Car	2.2460	7700.0	85	40708	No
137	GOM_TRA_1PNPDE20091212_225453_000000472085_00073_40708_7909.N1	12-DEC-2009 22:54:53	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	40708	No
138	GOM_TRA_1PNPDE20091212_225715_000000502085_00073_40708_7910.N1	12-DEC-2009 22:57:15	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	40708	No
139	GOM_TRA_1PNPDE20091212_225951_000000542085_00073_40708_7911.N1	12-DEC-2009 22:59:51	Dark	54.000	117	Pi Pup	2.7060	3800.0	108	40708	No
140	GOM_TRA_1PNPDE20091212_230313_000000552085_00073_40708_7912.N1	12-DEC-2009 23:03:13	Straylight	55.000	23	21Eps CMa	1.5020	26000.	110	40708	No
141	GOM_TRA_1PNPDE20091212_230759_000000532085_00073_40708_7913.N1	12-DEC-2009 23:07:59	Straylight	53.000	47	2Bet CMa	1.9760	28000.	106	40708	No
142	GOM_TRA_1PNPDE20091212_231137_000000482085_00073_40708_7914.N1	12-DEC-2009 23:11:37	Straylight	47.500	7	19Bet Ori	0.10000	14000.	95	40708	No
143	GOM_TRA_1PNPDE20091212_231359_000000512085_00073_40708_7915.N1	12-DEC-2009 23:13:59	Straylight	51.000	30	46Eps Ori	1.6940	30000.	102	40708	No
144	GOM_TRA_1PNPDE20091212_231623_000000512085_00073_40708_7916.N1	12-DEC-2009 23:16:23	Twilight	51.000	27	24Gam Ori	1.6360	26000.	102	40708	No
145	GOM_TRA_1PNPDE20091212_231903_000000482085_00073_40708_7917.N1	12-DEC-2009 23:19:03	Twilight	47.500	13	87Alp Tau	0.86700	3800.0	95	40708	No
146	GOM_TRA_1PNPDE20091212_232133_000000442085_00073_40708_7918.N1	12-DEC-2009 23:21:33	Bright	43.500	176	23Zet Tau	3.0200	22000.	87	40708	No
147	GOM_TRA_1PNPDE20091212_232335_000000452085_00073_40708_7919.N1	12-DEC-2009 23:23:35	Bright	44.500	28	12Bet Tau	1.6500	15200.	89	40708	No
148	GOM_TRA_1PNPDE20091212_232538_000000372085_00073_40708_7920.N1	12-DEC-2009 23:25:38	Bright	36.500	149	45Eps Per	2.8880	30000.	73	40708	No
149	GOM_TRA_1PNPDE20091212_232722_000000662085_00073_40708_7921.N1	12-DEC-2009 23:27:22	Bright	66.000	107	37The Aur	2.6490	11000.	132	40708	No
150	GOM_TRA_1PNPDE20091212_232930_000000452085_00073_40708_7922.N1	12-DEC-2009 23:29:30	Bright	44.500	42	34Bet Aur	1.9000	10200.	89	40708	No
151	GOM_TRA_1PNPDE20091212_234500_000000432085_00073_40708_7923.N1	12-DEC-2009 23:45:00	Bright	43.000	36	50Alp UMa	1.8000	6300.0	86	40708	No
152	GOM_TRA_1PNPDE20091212_234900_000000442085_00073_40708_7924.N1	12-DEC-2009 23:49:00	Bright	44.000	32	77Eps UMa	1.7630	11000.	88	40708	No
153	GOM_TRA_1PNPDE20091212_235128_000000382085_00073_40708_7925.N1	12-DEC-2009 23:51:28	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	40708	No
154	GOM_TRA_1PNPDE20091212_235442_000000382085_00073_40708_7926.N1	12-DEC-2009 23:54:42	Bright	37.500	180	27Gam Boo	3.0400	8000.0	75	40708	No

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



4. Overview of dark signal processing per product

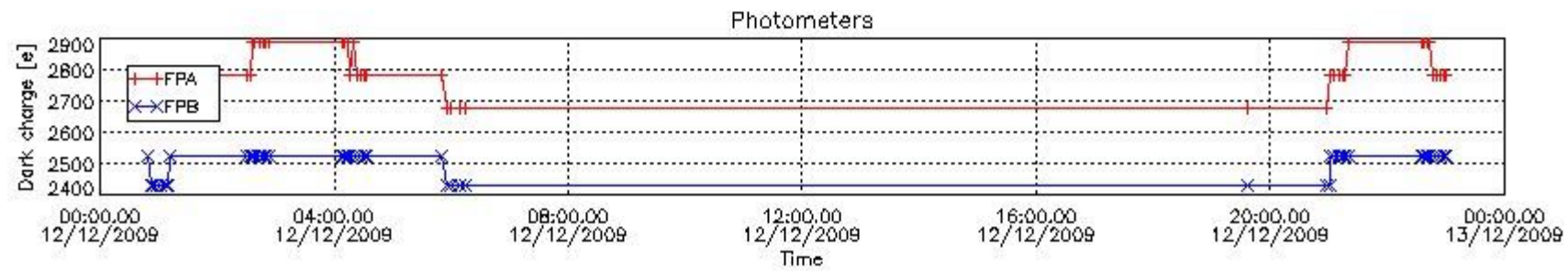
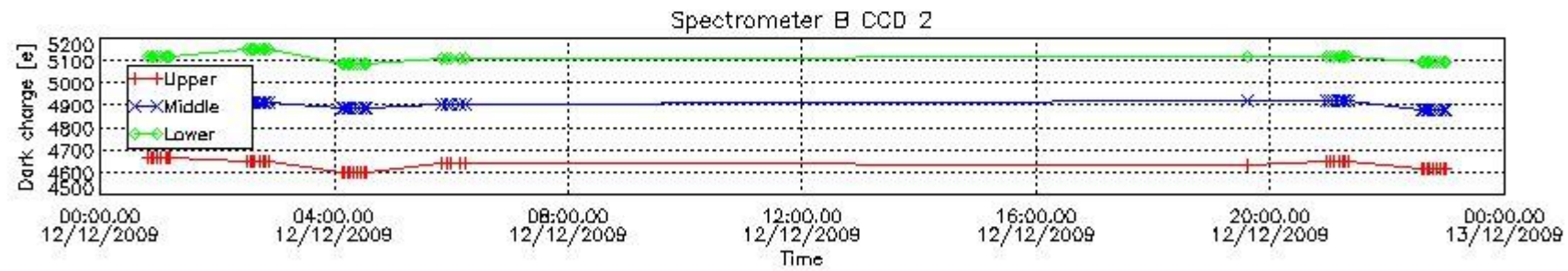
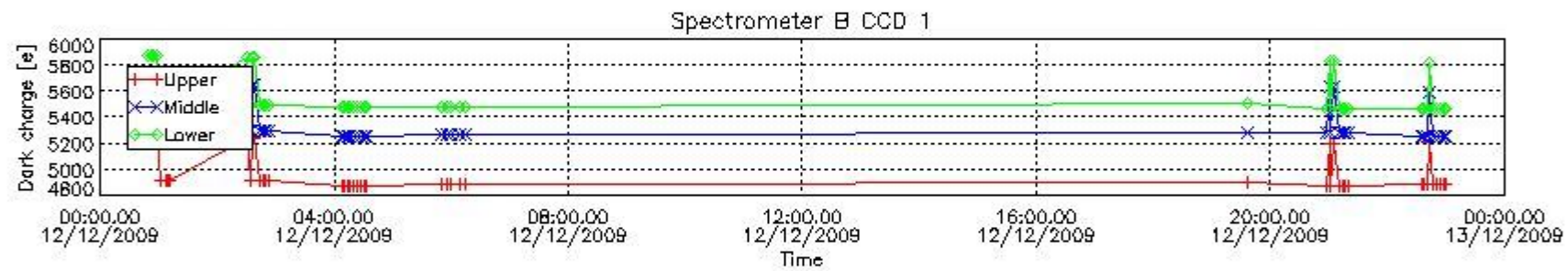
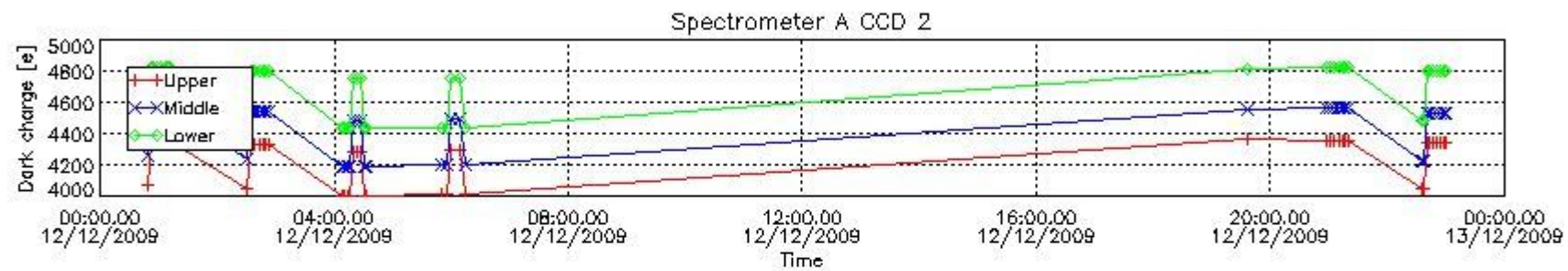
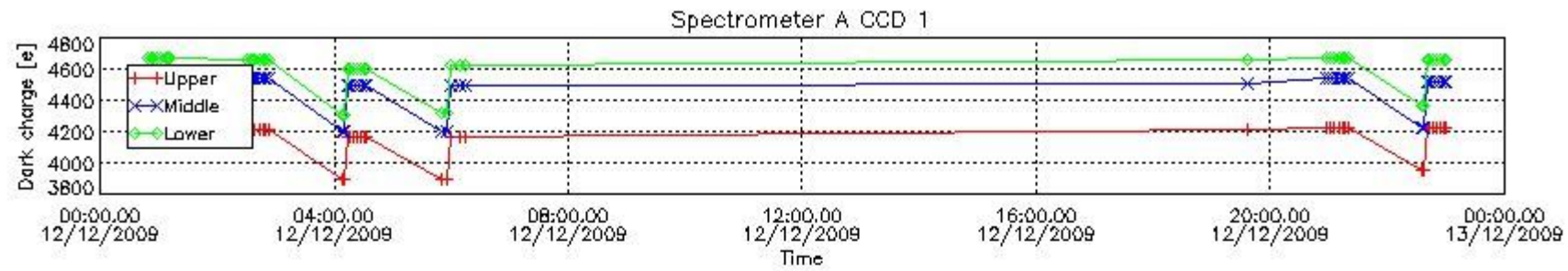
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20091212_193603_000000562085_00071_40706_7857.N1	DC map used
GOM_TRA_1PNPDE20091212_194200_000000572085_00071_40706_7859.N1	DC map used
GOM_TRA_1PNPDE20091212_195025_000000492085_00071_40706_7861.N1	DC map used
GOM_TRA_1PNPDE20091212_195512_000000482085_00071_40706_7863.N1	DC map used
GOM_TRA_1PNPDE20091212_200022_000000462085_00071_40706_7865.N1	DC map used
GOM_TRA_1PNPDE20091212_200426_000000362085_00071_40706_7867.N1	DC map used
GOM_TRA_1PNPDE20091212_200819_000000472085_00071_40706_7869.N1	DC map used
GOM_TRA_1PNPDE20091212_202749_000000402085_00071_40706_7871.N1	DC map used
GOM_TRA_1PNPDE20091212_203330_000000362085_00071_40706_7873.N1	DC map used
GOM_TRA_1PNPDE20091212_204337_000000542085_00071_40706_7875.N1	DC map used

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



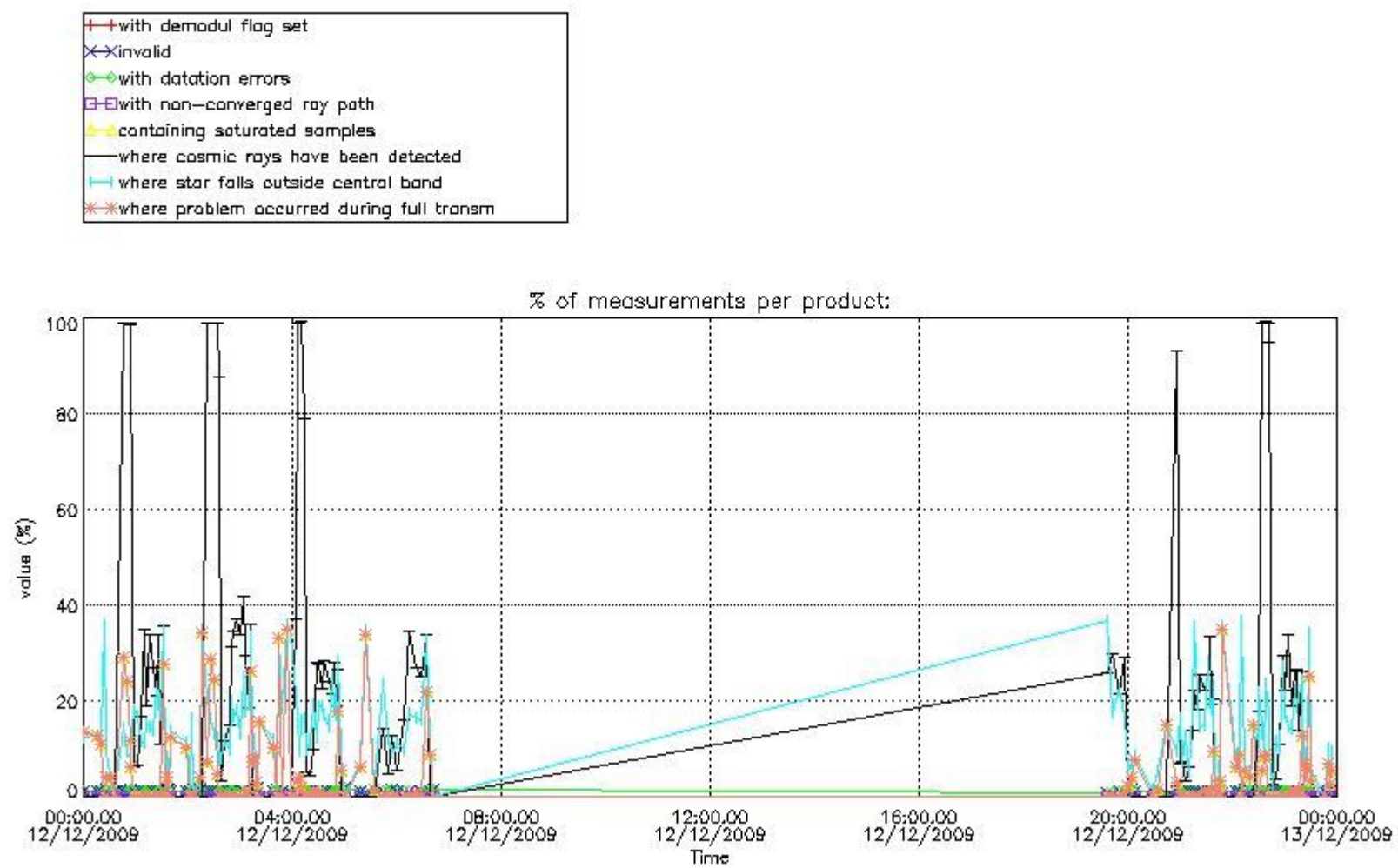
5. Demodulation flag and quality information monitoring

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.

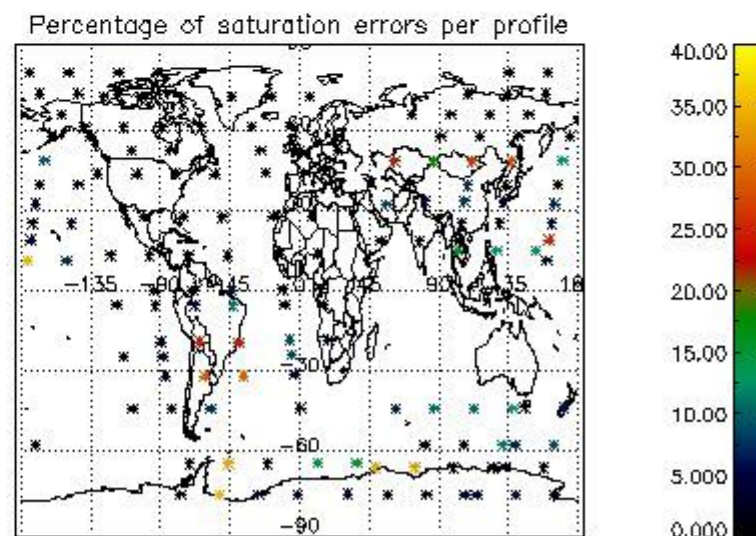
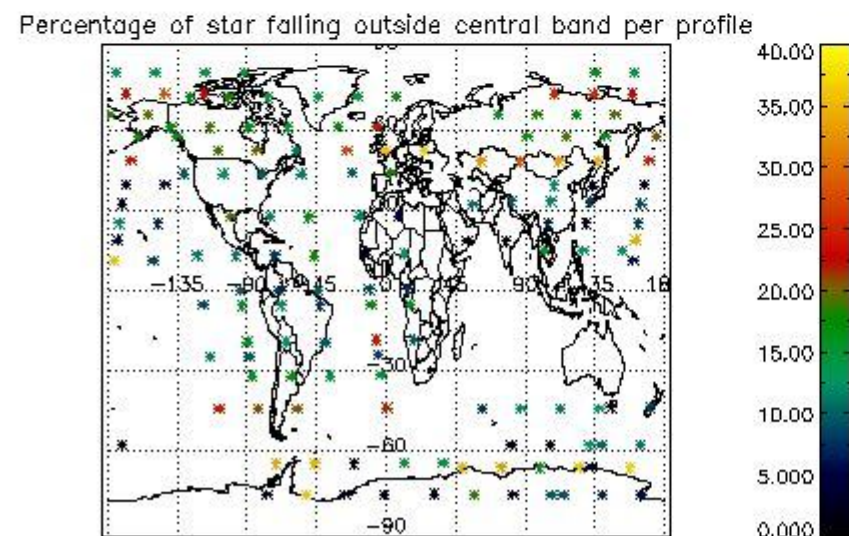
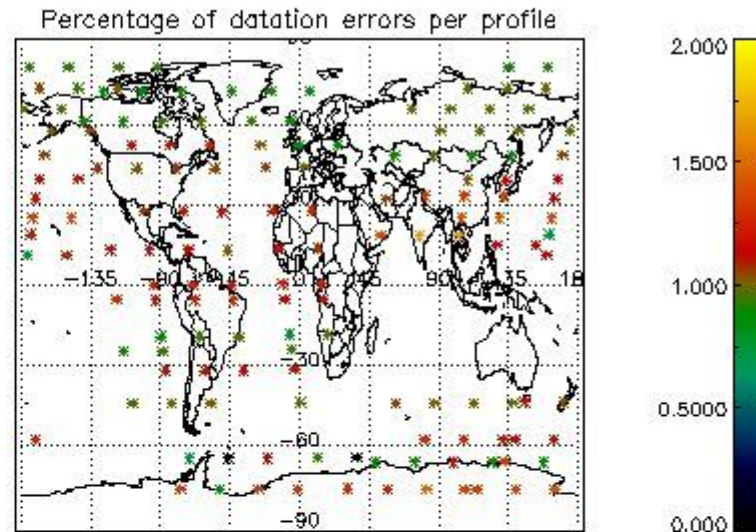
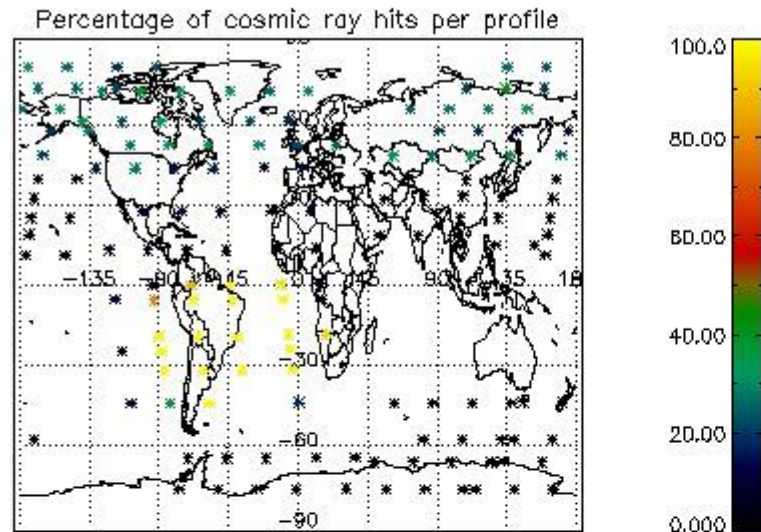
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	51.9481 %
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)



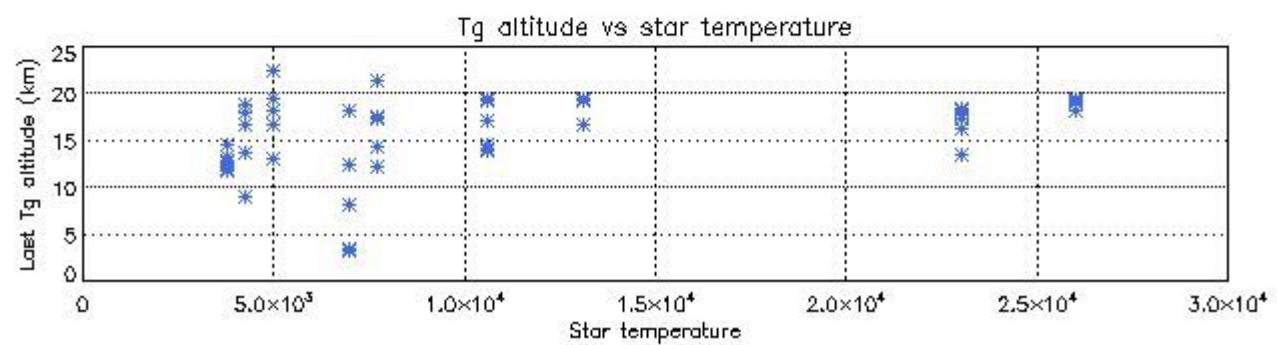
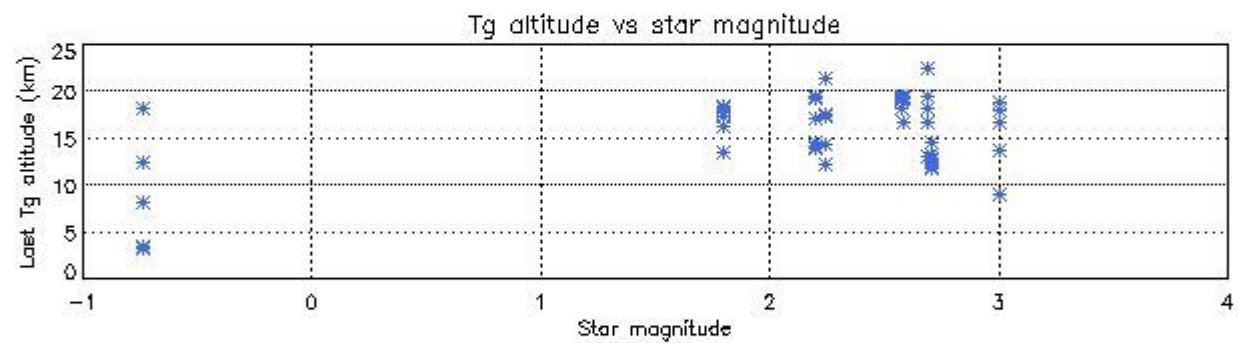
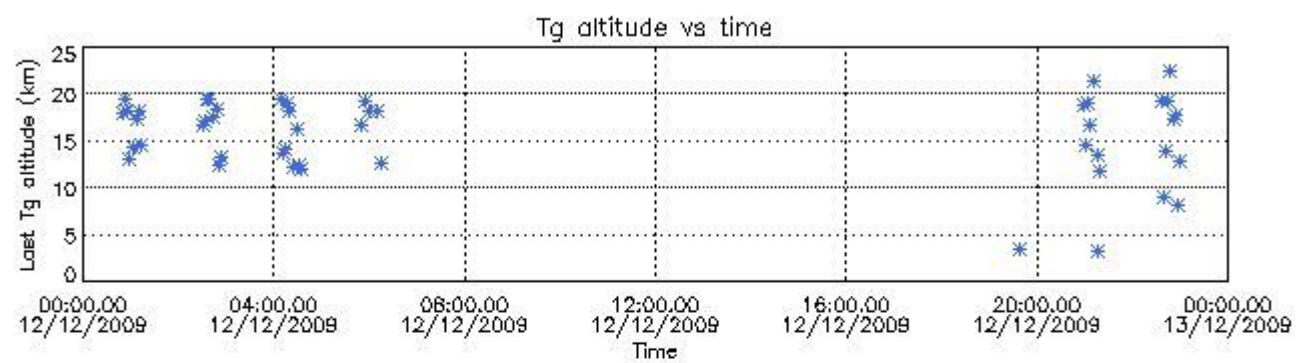
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.656	17.986	13.542
St. deviation:	4.0979	7.4779	0.43238
Maximum:	22.479	45.684	14.138
Minimum:	3.1015	3.4605	13.113
Number of data:	48.000	59.000	4.0000

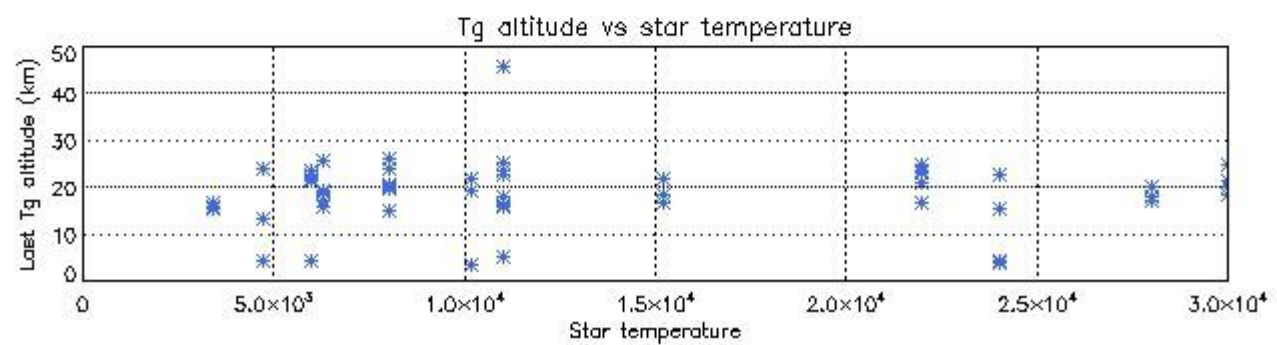
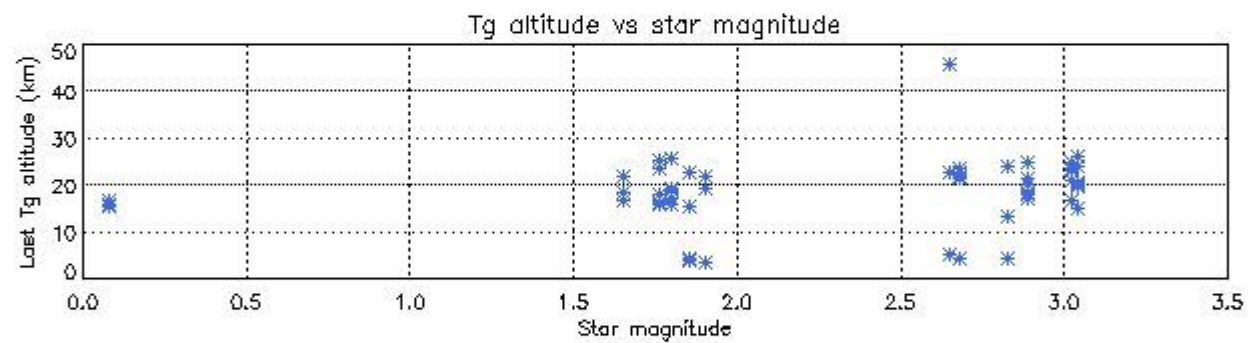
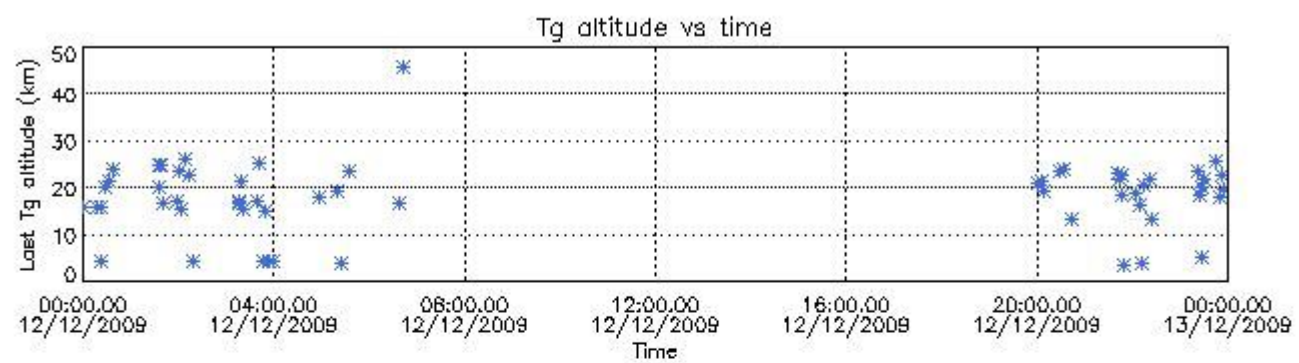
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



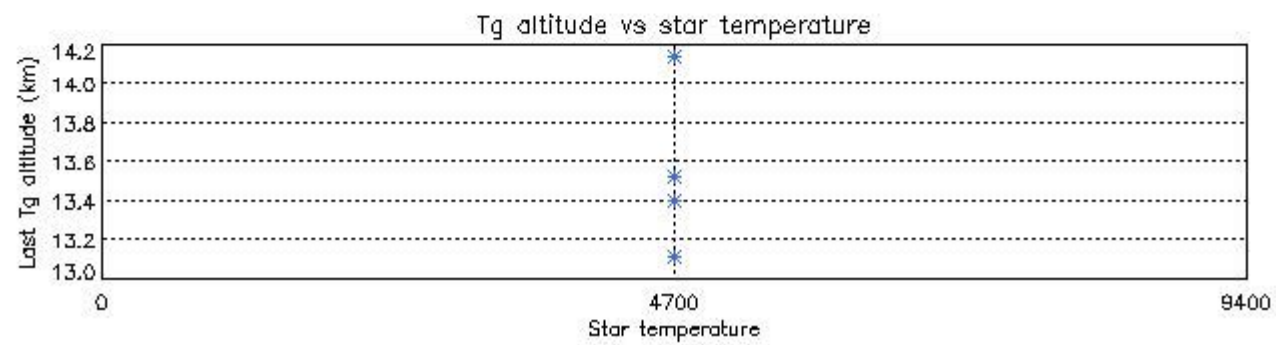
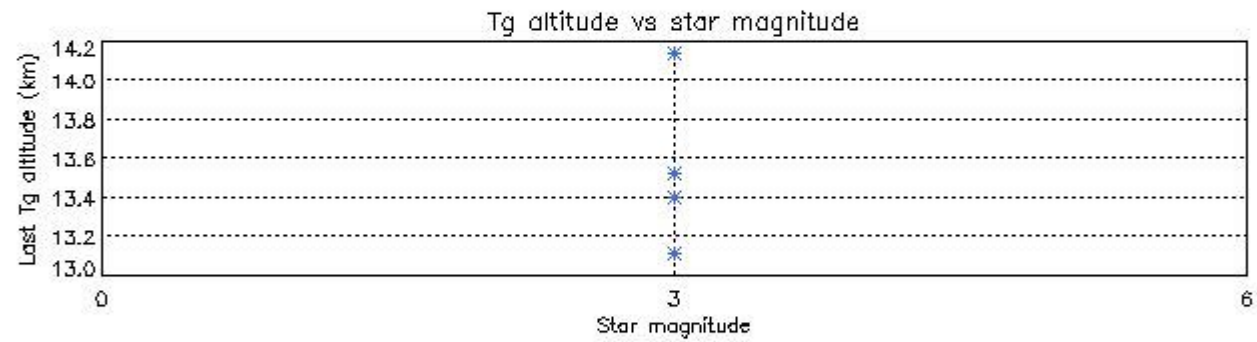
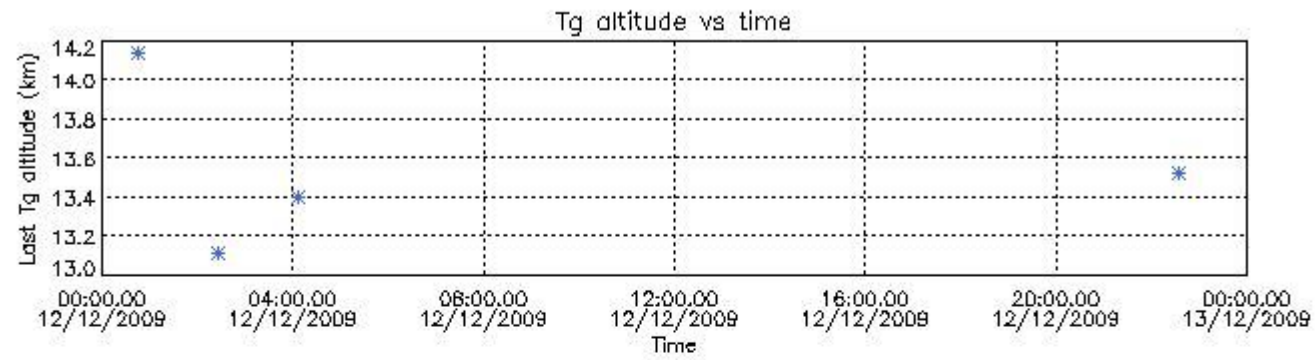
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

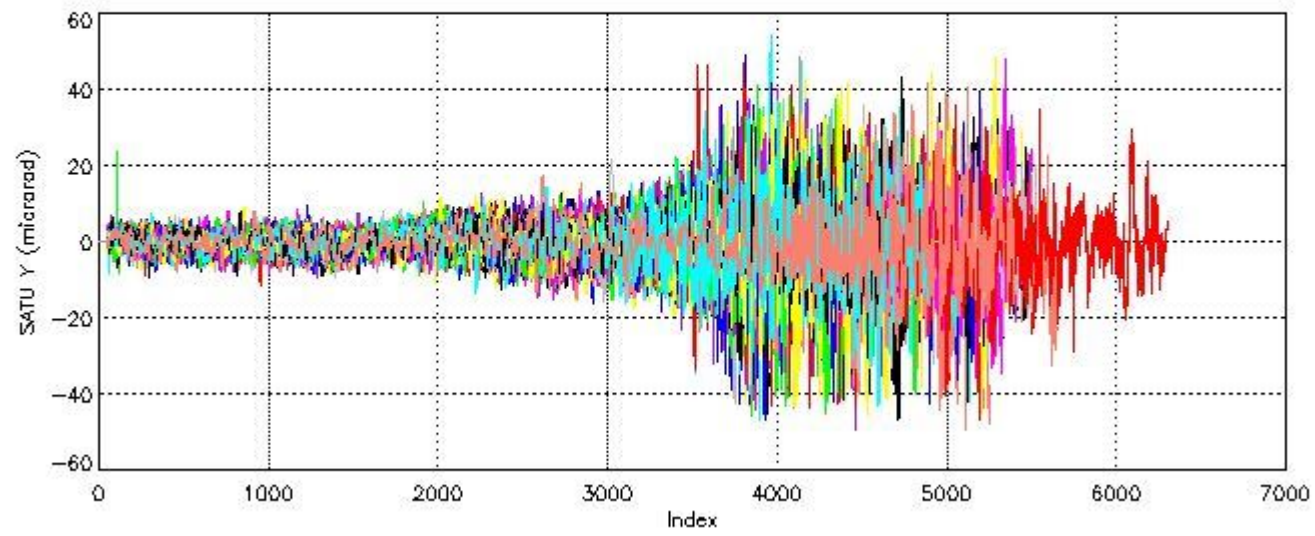
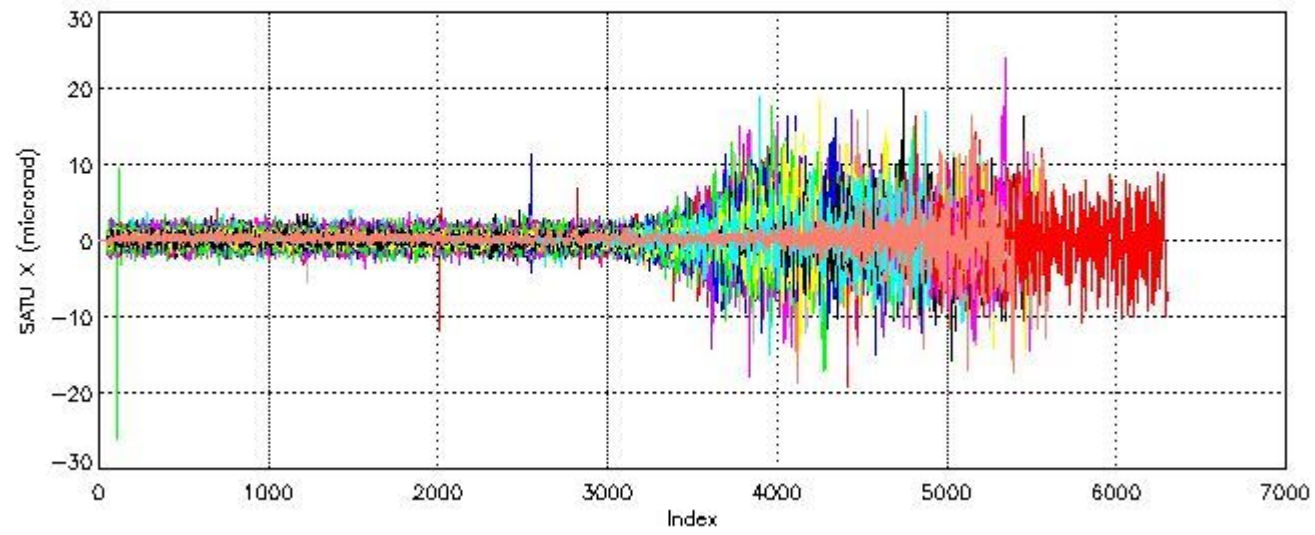


7. Star Acquisition and Tracking Unit (SATU)

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:	0.22278	-0.11315	0.17022	-0.17118
St. deviation:	0.56700	2.0017	0.93609	2.2952
Maximum:	9.6000	23.800	6.6000	9.3000
Minimum:	-26.100	-9.4000	-6.1000	-12.900

Number of data:	49000.	49000.	57850.	57850.
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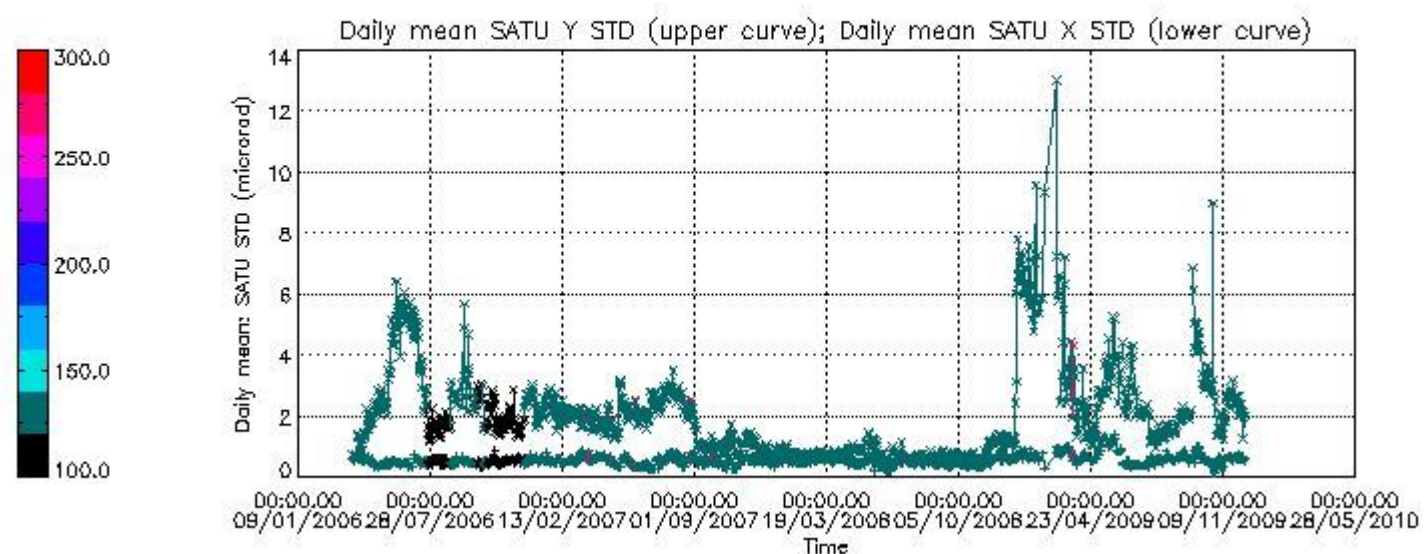
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

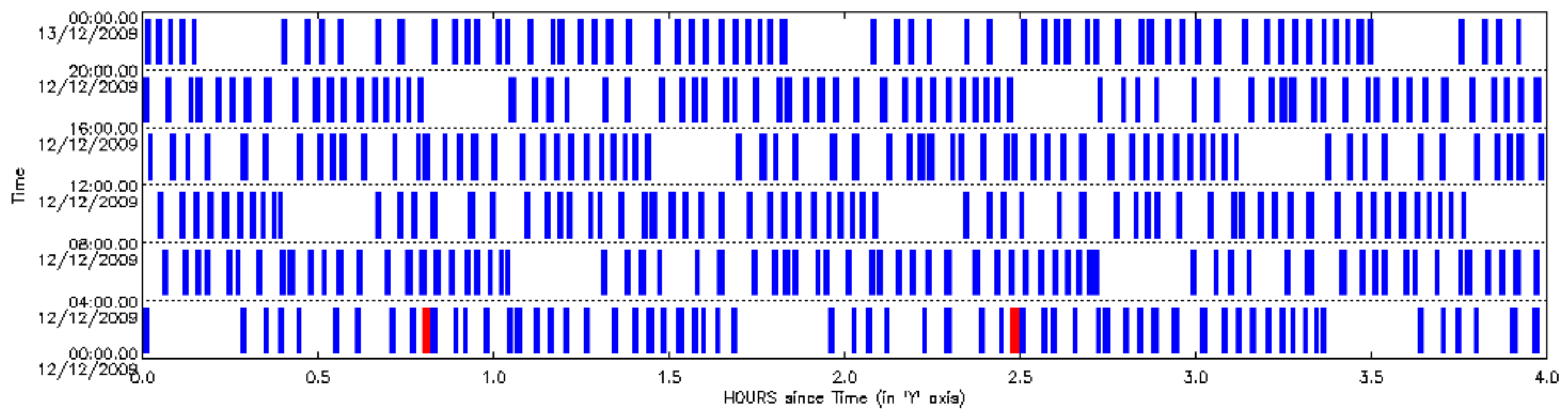
Lower curve: STD of SATU X axis

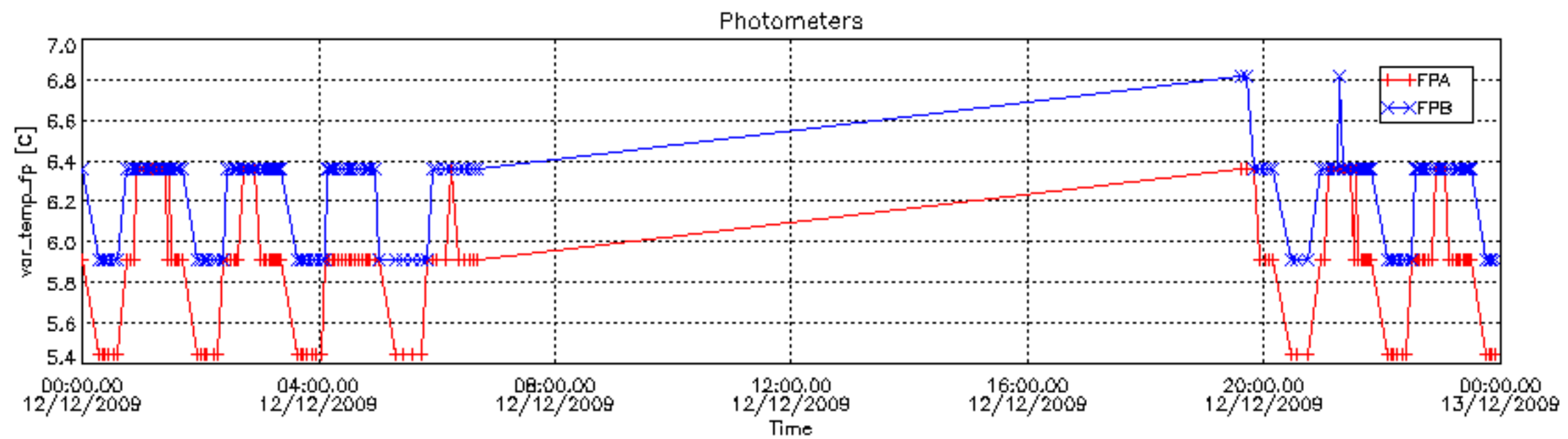
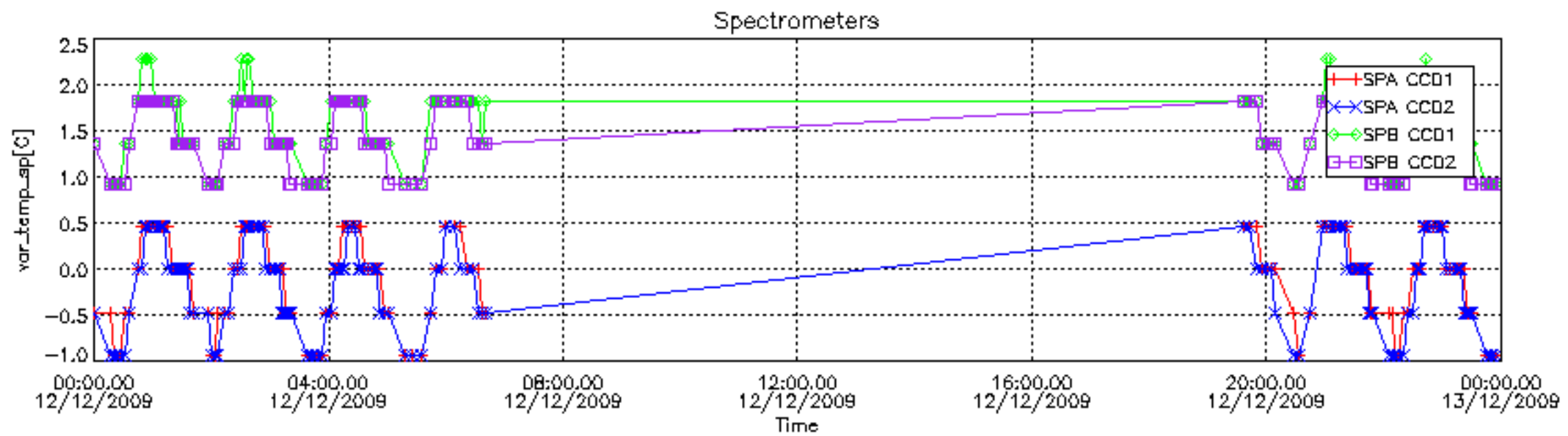


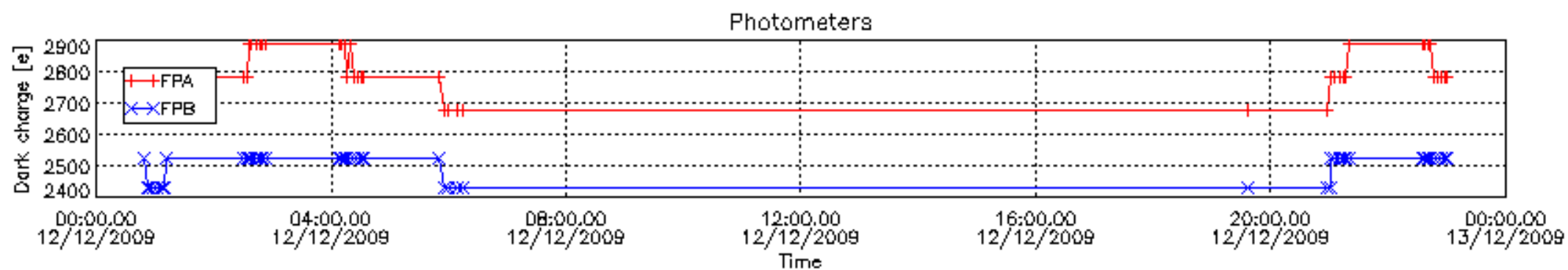
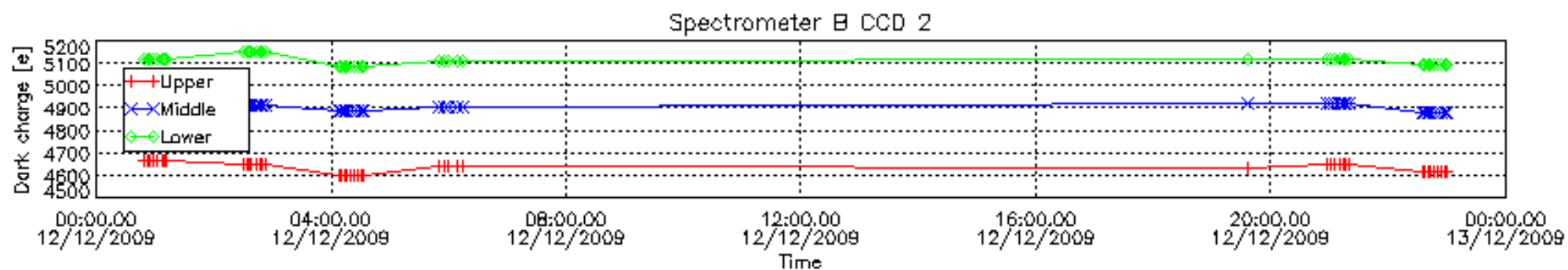
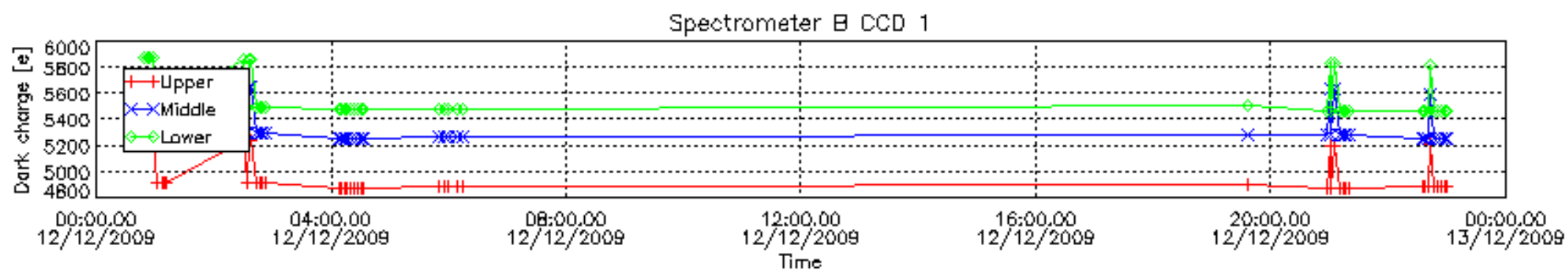
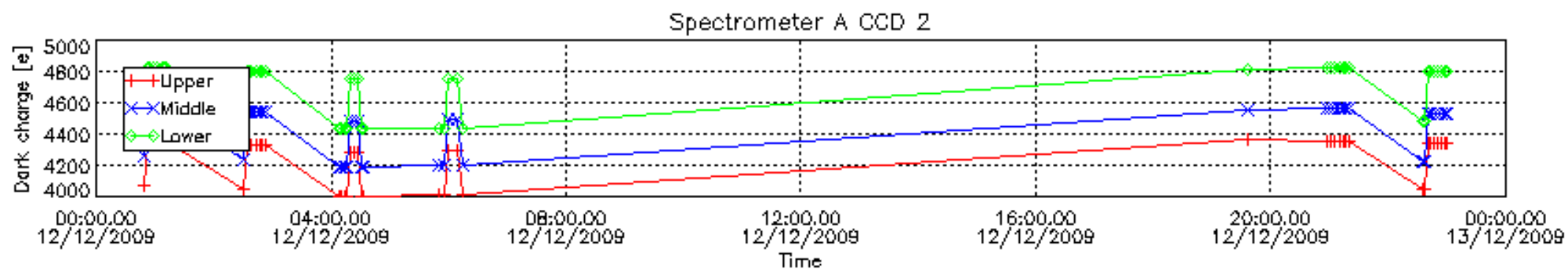
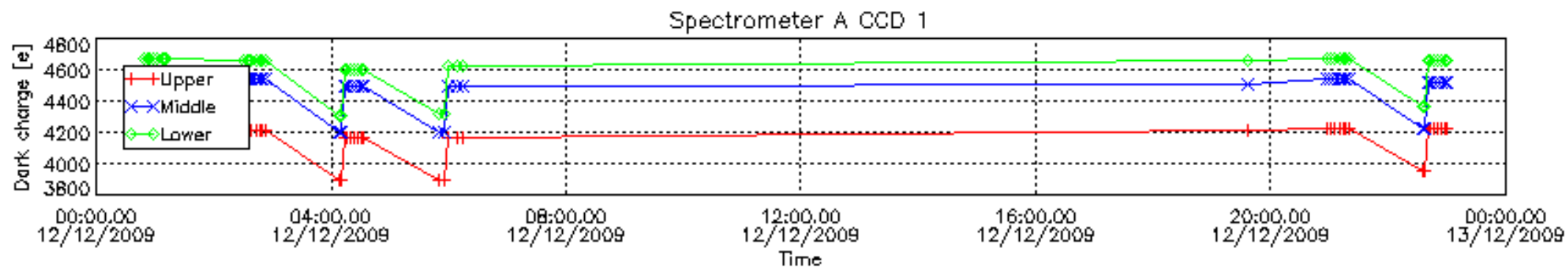
8. Auxiliary Data Files used for the production reported in section 2.4

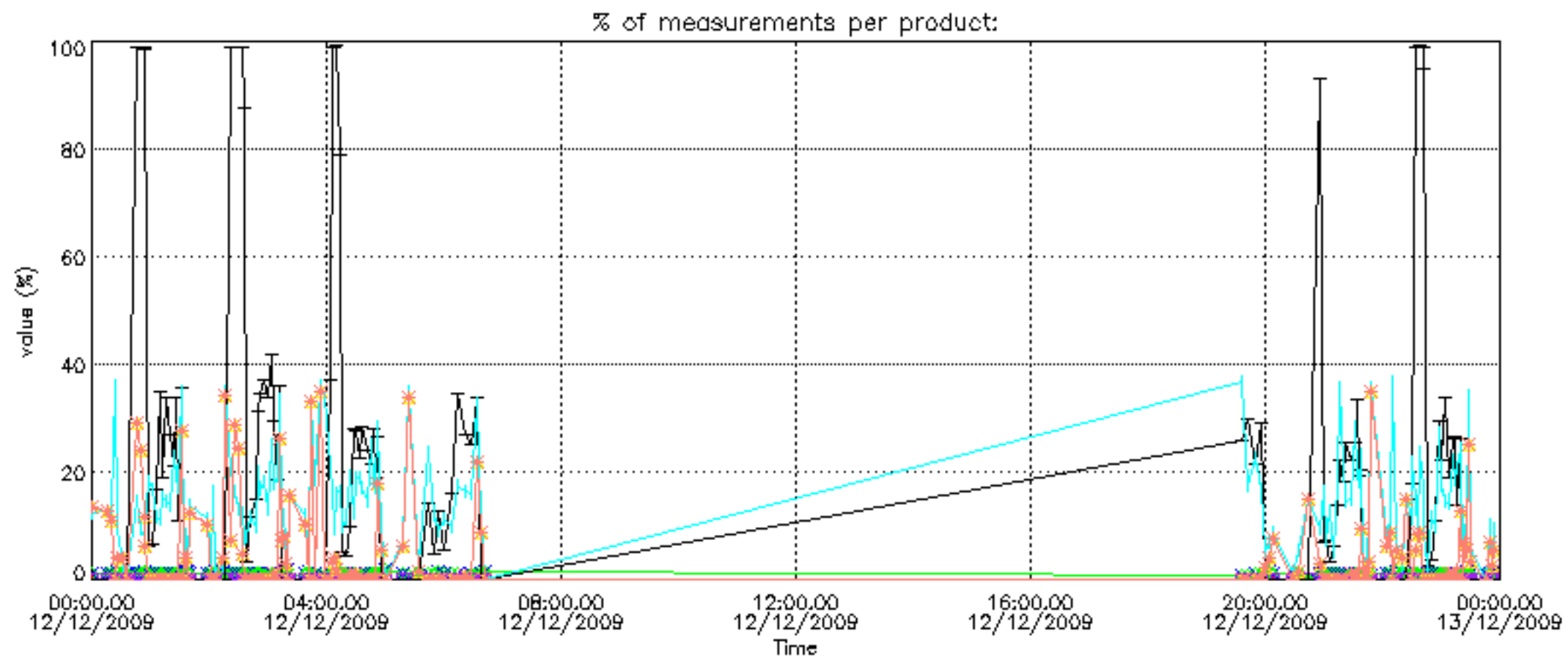
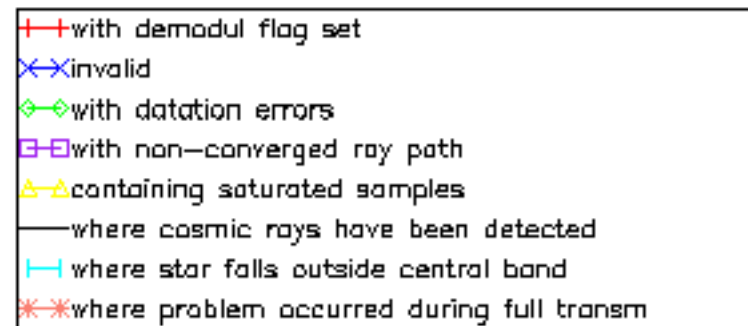
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

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CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091207_160509_20091205_000000_20500101_000000	1	12-DEC-2009 00:00:09
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	12-DEC-2009 00:00:09
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	12-DEC-2009 00:00:09
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	12-DEC-2009 00:00:09
ECMWF_FILE	AUX_ECF_AXNECM20091211_064109_20091211_210000_20091212_090000	1	12-DEC-2009 00:00:09
ECMWF_FILE	AUX_ECF_AXNECM20091211_182214_20091212_030000_20091212_150000	54	12-DEC-2009 03:37:54
ECMWF_FILE	AUX_ECA_AXNECM20091212_062109_20091211_210000_20091212_090000	79	12-DEC-2009 05:18:29
ECMWF_FILE	AUX_ECA_AXNECM20091213_062110_20091212_150000_20091213_030000	93	12-DEC-2009 19:36:03
ECMWF_FILE	AUX_ECA_AXNECM20091213_062111_20091212_210000_20091213_090000	129	12-DEC-2009 22:30:09
OPTIONAL_ECMWF_FILE	MISSING	1	12-DEC-2009 00:00:09
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ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091212_051239_000057382085_00062_40697_9343.N1	79	12-DEC-2009 05:18:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091212_193323_000038252085_00071_40706_9344.N1	93	12-DEC-2009 19:36:03
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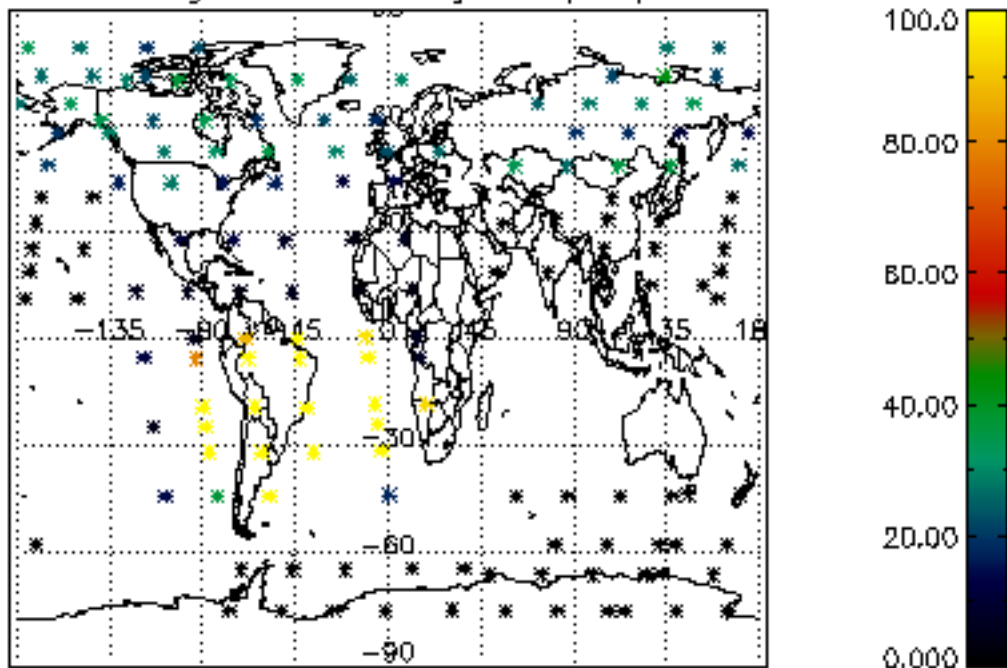




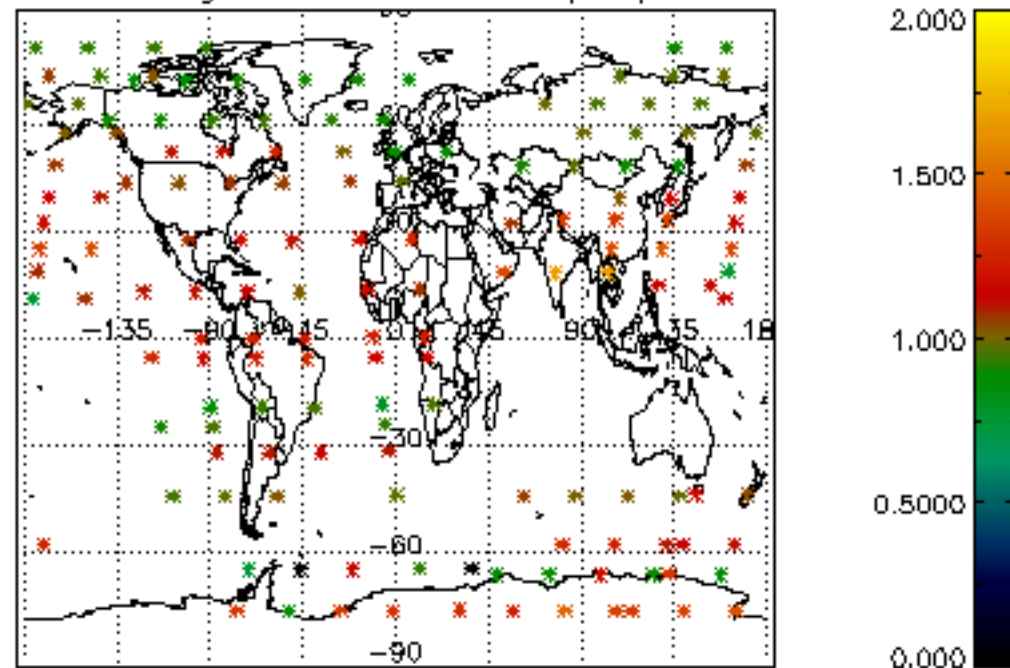




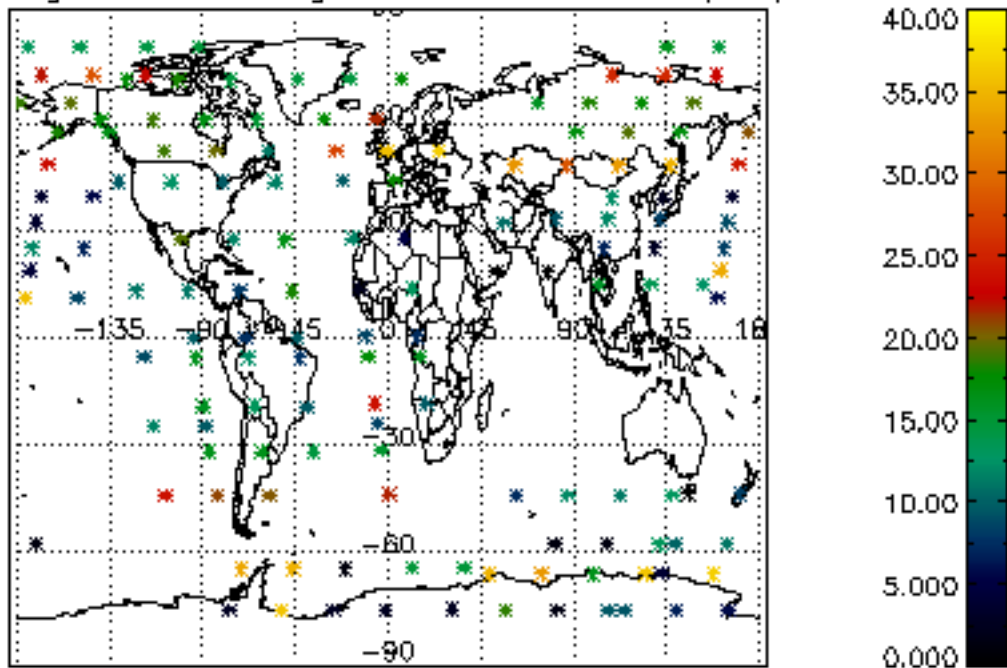
Percentage of cosmic ray hits per profile



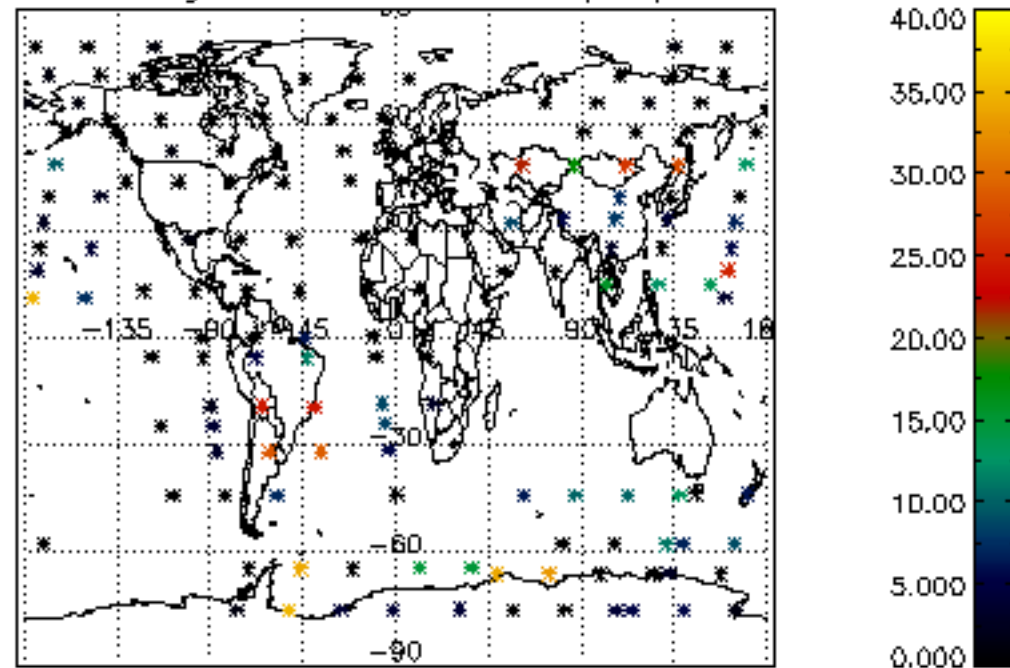
Percentage of datation errors per profile



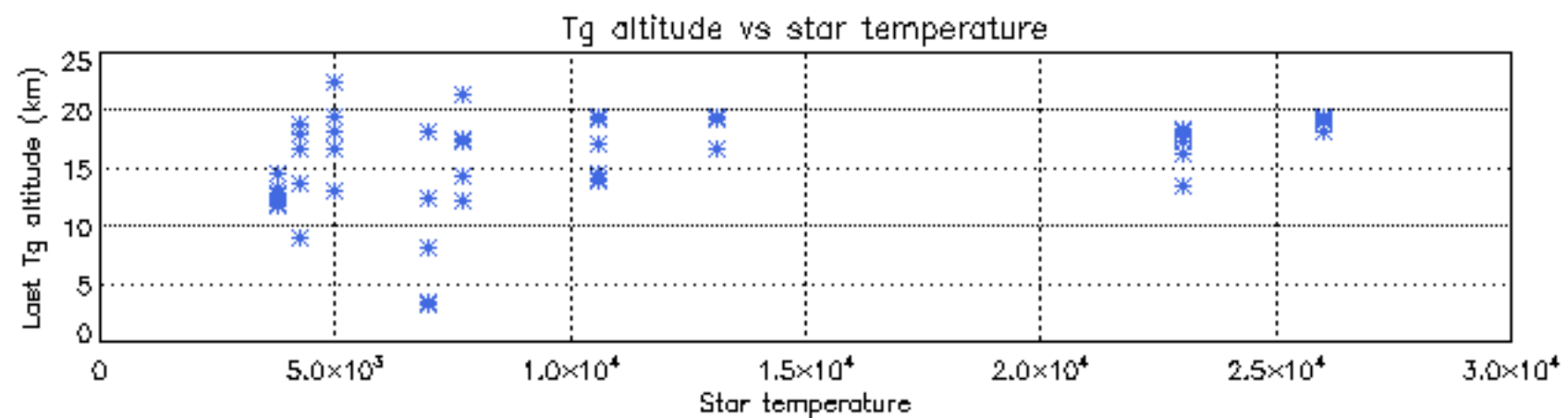
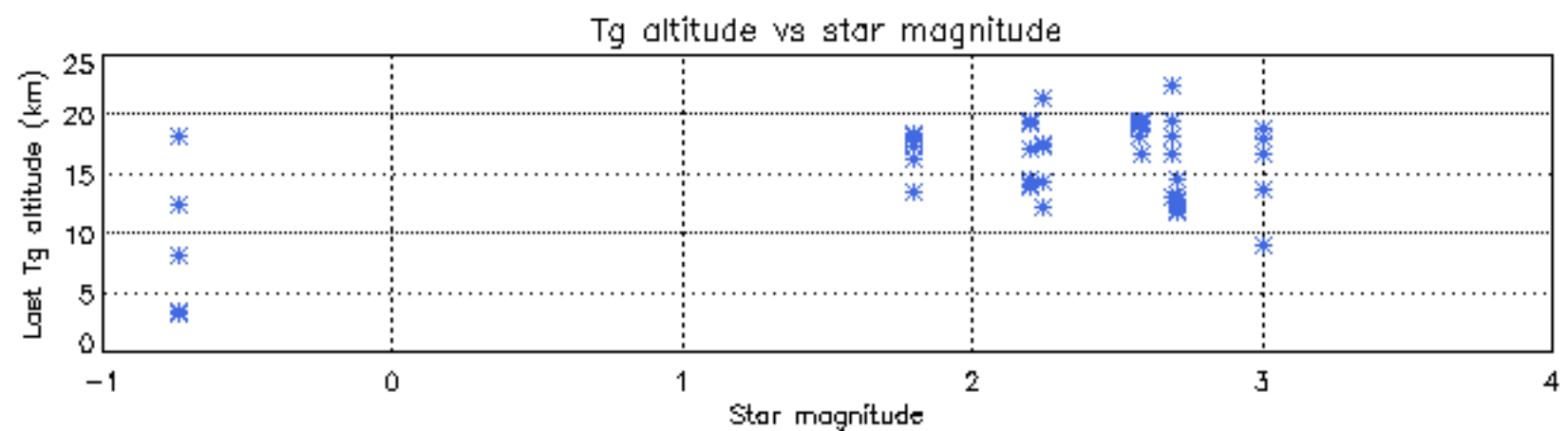
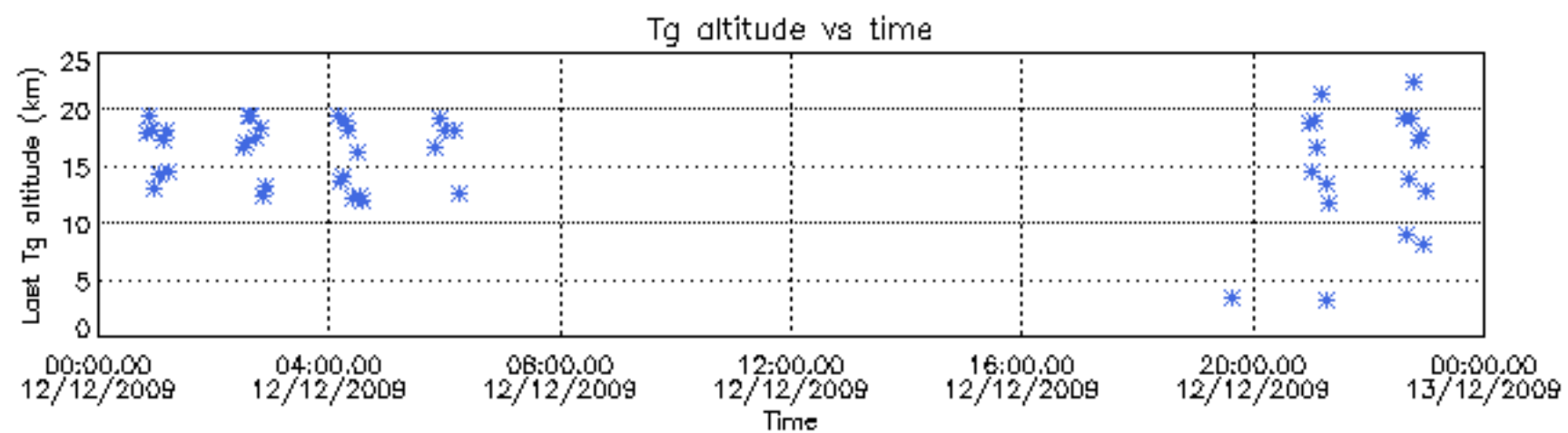
Percentage of star falling outside central band per profile



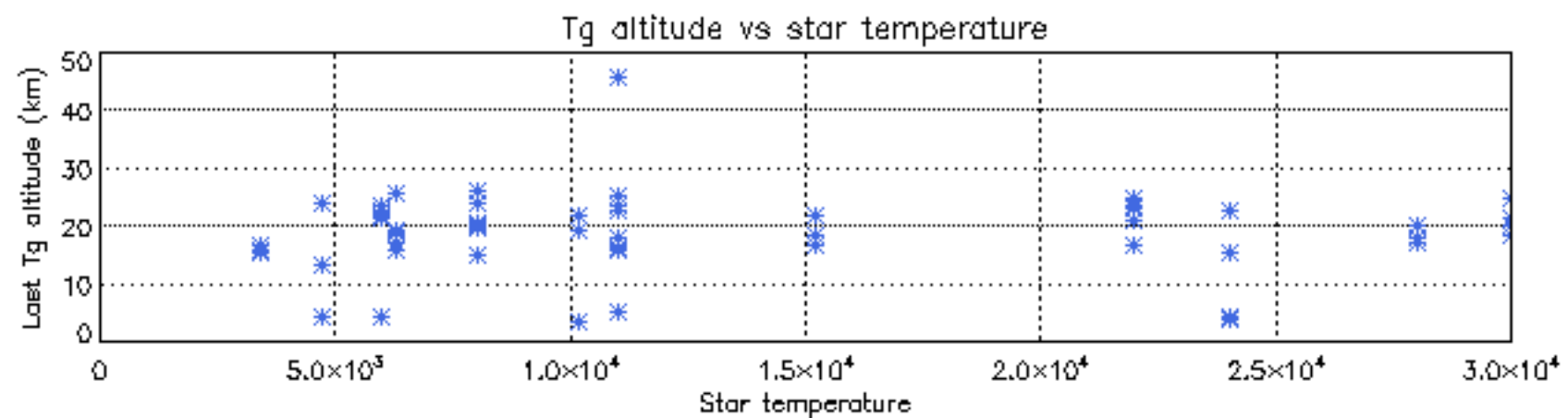
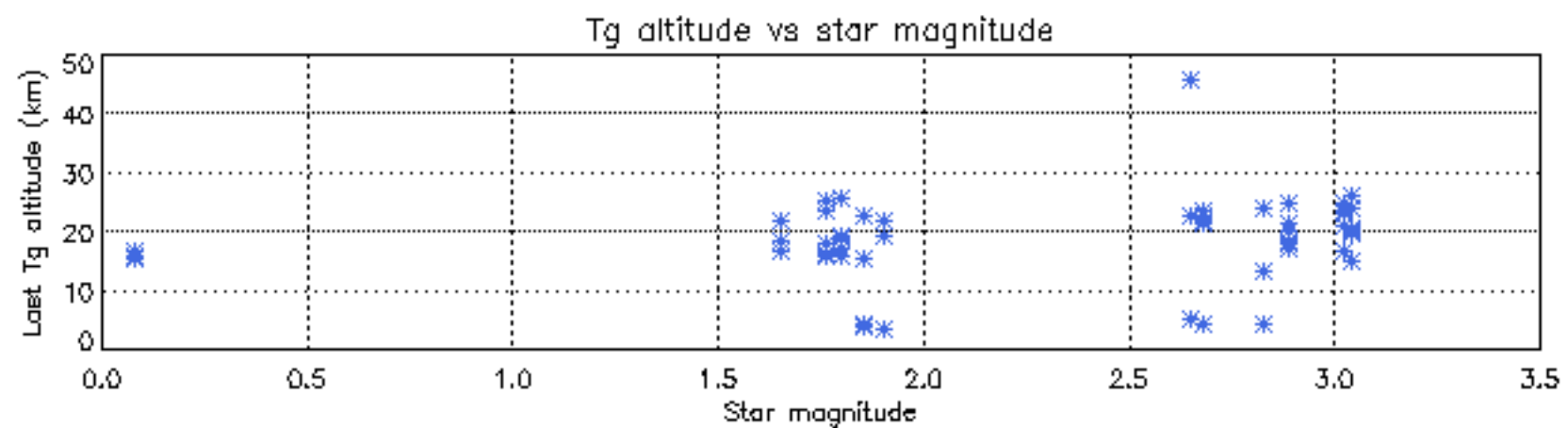
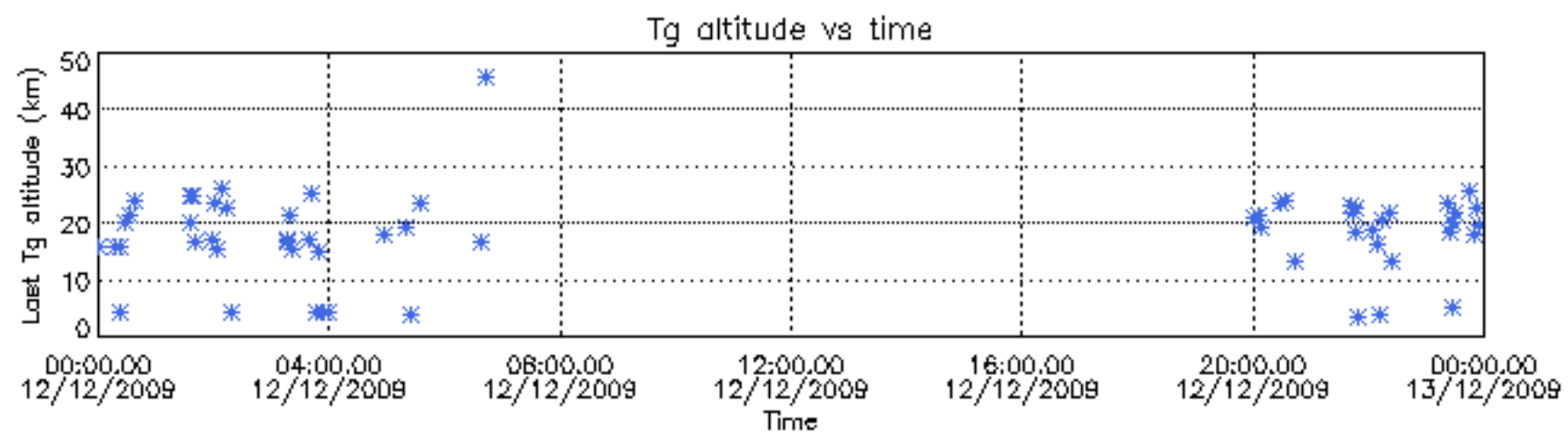
Percentage of saturation errors per profile



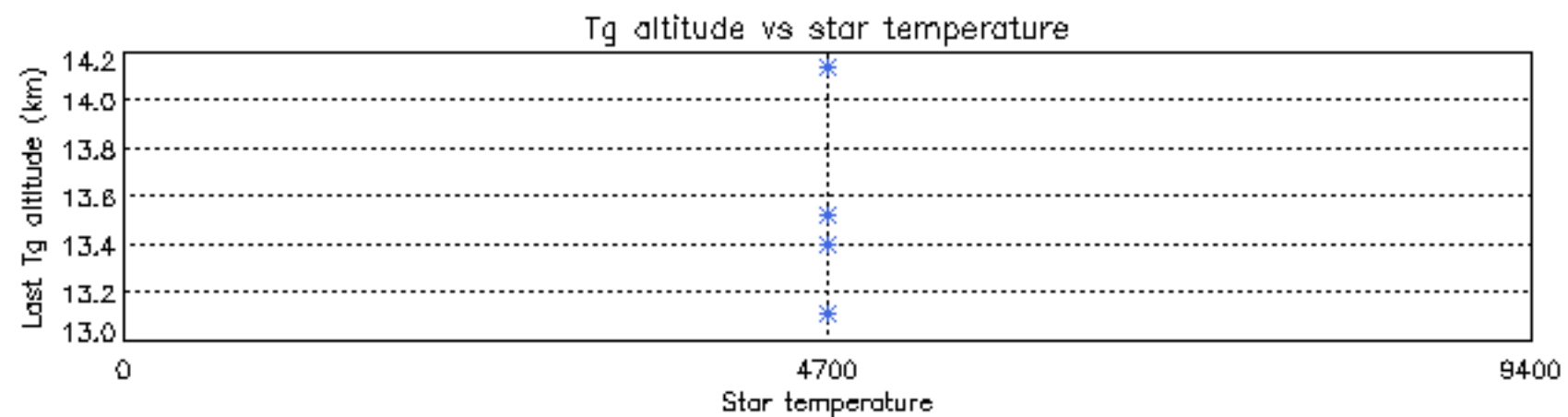
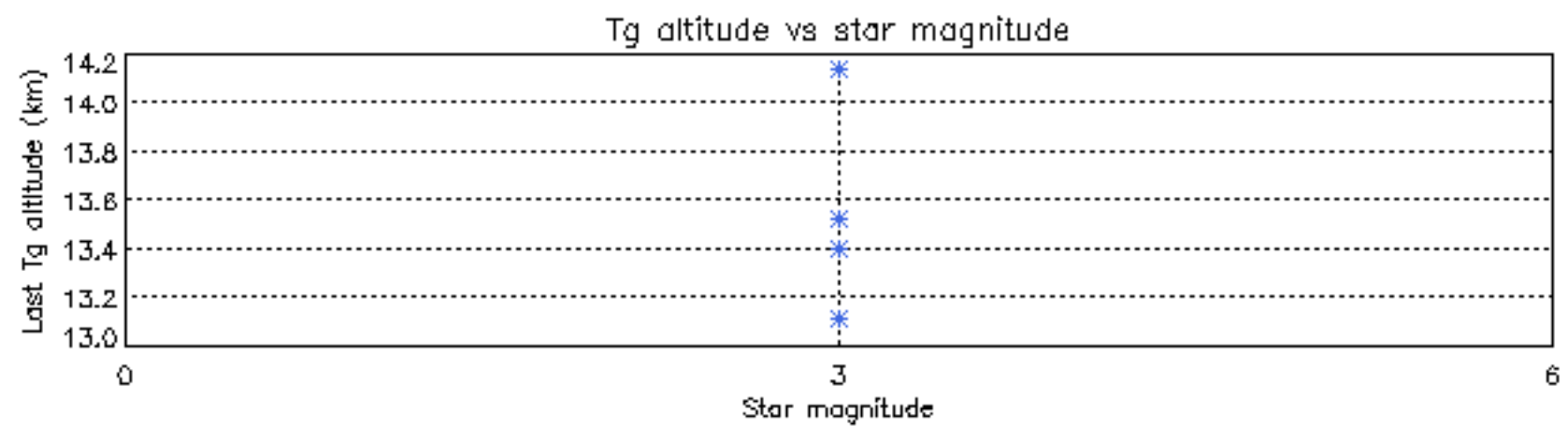
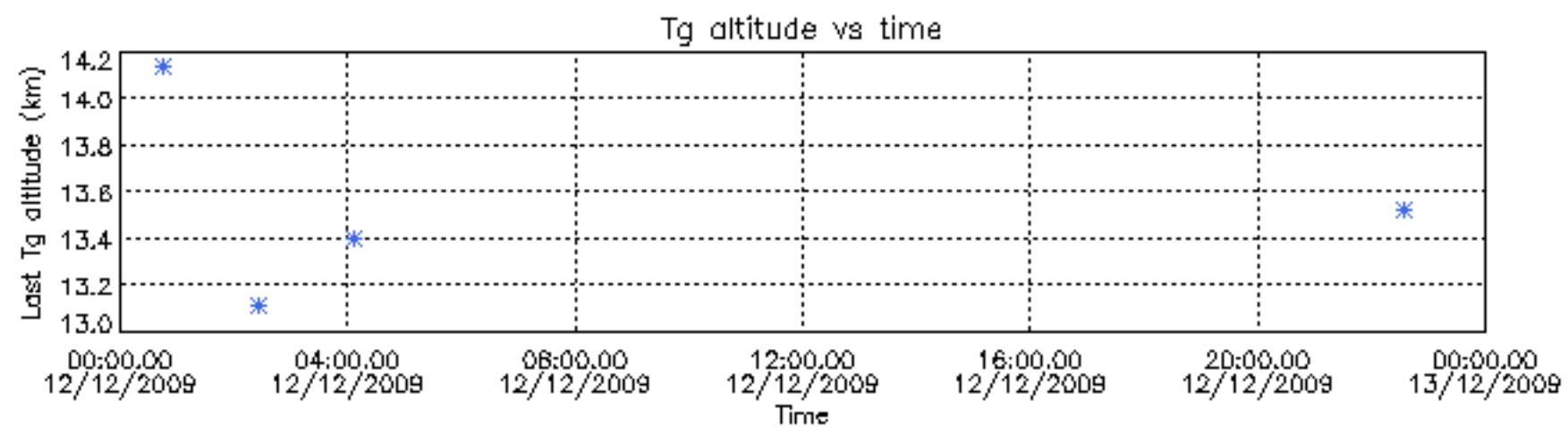
Tangent altitude at which the star is lost

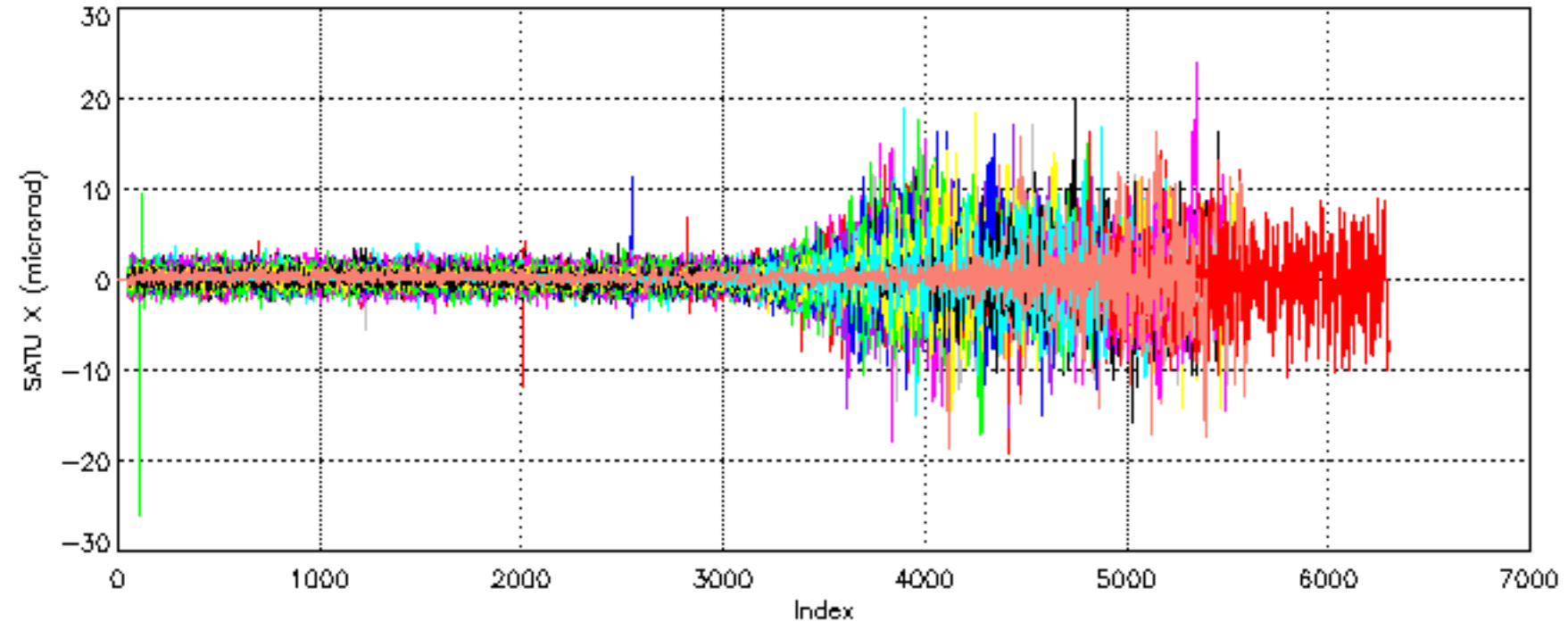


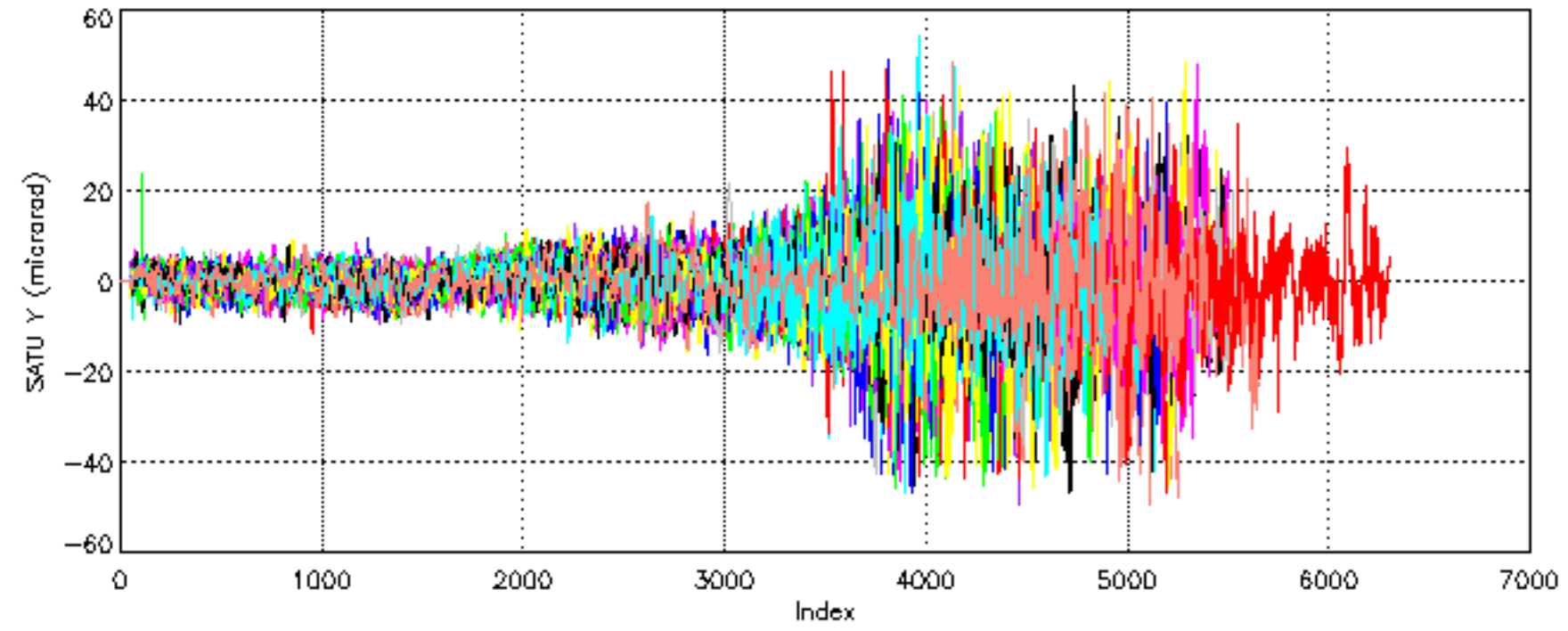
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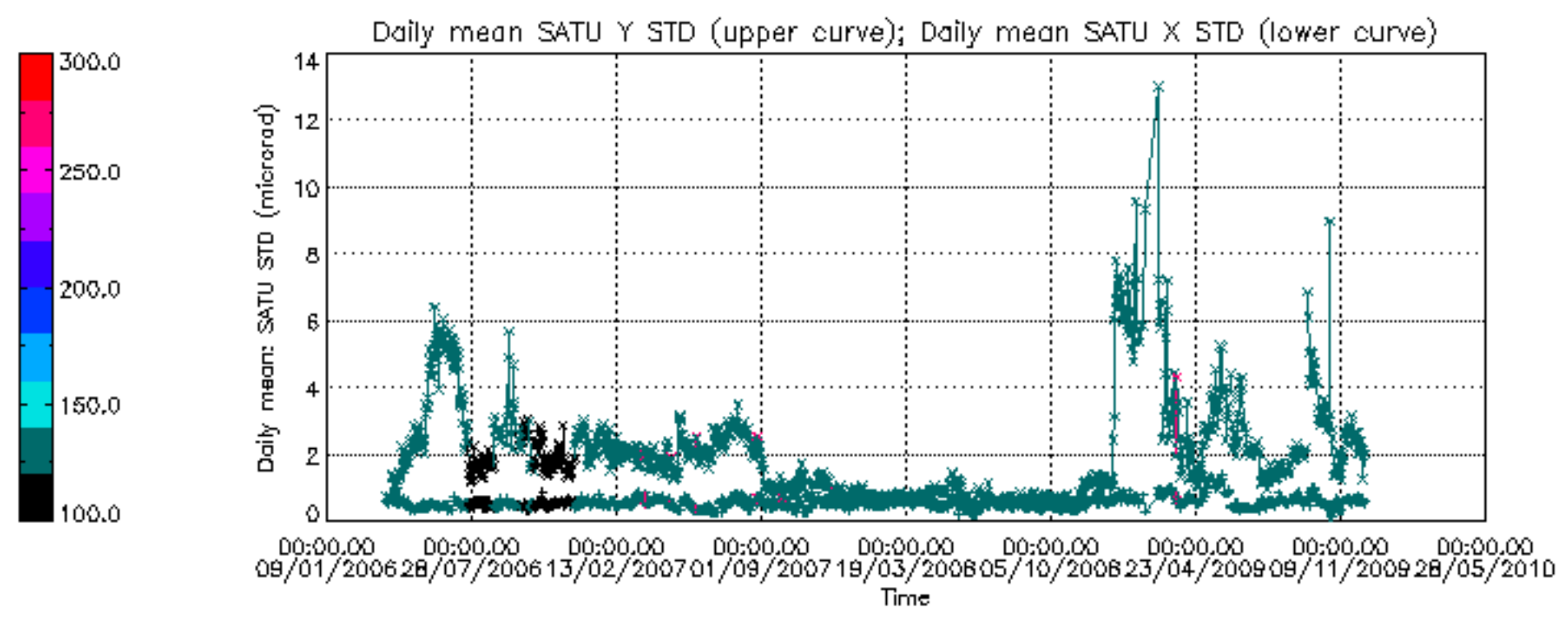


Tangent altitude at which the star is lost









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 22; 6754.9; 10-DEC-2009 13:54:05; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;40673
 23; 6877.1; 10-DEC-2009 13:56:07; Dark ; 53.0; 70; Zet Pup ; 2.25; 39000;occ; 106; 0;40673
 24; 7057.0; 10-DEC-2009 13:59:07; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;40673
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 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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 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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 21; 6555.8; 10-DEC-2009 15:31:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 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
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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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14; 4140.6; 10-DEC-2009 18:12:19; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 0;40676
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23; 6557.4; 10-DEC-2009 18:52:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40676
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 2; 1170.4; 10-DEC-2009 19:03:25; Dark ; 62.0; 88; 31Eta CMA ; 2.45; 20000;occ; 124; 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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 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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 26; 7269.3; 11-DEC-2009 08:29:15; Dark ; 55.0; 23; 21Eps CMa ; 1.50; 26000;occ; 110; 0;40684
 27; 7563.5; 11-DEC-2009 08:34:09; Dark ; 29.0; 47; 2Bet CMa ; 1.98; 28000;occ; 58; 0;40684
 28; 7784.0; 11-DEC-2009 08:37:50; Dark ; 49.0; 7; 19Bet Ori ; 0.10; 14000;occ; 98; 0;40684

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20091211_083755_000058442085_00050_40685_5739.N1

1; 1753.6; 11-DEC-2009 08:37:55; Dark ; 49.5; 7; 19Bet Ori ; 0.10; 14000;occ; 99; 11;40685
 2; 1894.1; 11-DEC-2009 08:40:16; Dark ; 49.0; 30; 46Eps Ori ; 1.69; 30000;occ; 98; 0;40685
 3; 2040.4; 11-DEC-2009 08:42:42; Dark ; 51.0; 27; 24Gam Ori ; 1.64; 26000;occ; 102; 0;40685
 4; 2197.1; 11-DEC-2009 08:45:19; Dark ; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;40685
 5; 2451.3; 11-DEC-2009 08:49:33; Bright; 37.5; 150; 44Zet Per ; 2.89; 28000;occ; 75; 0;40685
 6; 2591.4; 11-DEC-2009 08:51:53; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40685
 7; 2767.4; 11-DEC-2009 08:54:49; Bright; 60.0; 6; 13Alp Aur ; 0.08; 3400;occ; 120; 0;40685
 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
 10; 4140.1; 11-DEC-2009 09:17:42; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;40685
 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
 14; 5282.3; 11-DEC-2009 09:36:44; Dark ; 54.0; 15; 67Alp Vir ; 0.98; 28000;occ; 108; 0;40685
 15; 5491.0; 11-DEC-2009 09:40:13; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40685
 16; 5604.0; 11-DEC-2009 09:42:06; Dark ; 55.0; 100; 4Gam Crv ; 2.58; 13100;occ; 110; 0;40685
 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
 21; 6491.5; 11-DEC-2009 09:56:53; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40685
 22; 6564.3; 11-DEC-2009 09:58:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40685
 23; 6764.1; 11-DEC-2009 10:01:26; Dark ; 52.0; 34; Gam2Vel ; 1.79; 23000;occ; 104; 0;40685
 24; 6913.6; 11-DEC-2009 10:03:55; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;40685
 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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1; 1553.9; 11-DEC-2009 10:15:12; Dark ; 35.0; 47; 2Bet CMa ; 1.98; 28000;occ; 70; 52;40686

2; 1748.0; 11-DEC-2009 10:18:26; Dark ; 53.0; 7; 19Bet Ori ; 0.10; 14000;occ; 106; 0;40686
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
8; 2591.4; 11-DEC-2009 10:32:29; Bright; 53.0; 149; 45Eps Per ; 2.89; 30000;occ; 106; 0;40686
9; 2766.9; 11-DEC-2009 10:35:25; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;40686
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
12; 4140.3; 11-DEC-2009 10:58:18; Bright; 56.0; 39; 85Eta UMa ; 1.85; 24000;occ; 112; 0;40686
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
15; 4928.6; 11-DEC-2009 11:11:26; Bright; 50.5; 138; 47Eps Vir ; 2.83; 4700;occ; 101; 0;40686
16; 5283.0; 11-DEC-2009 11:17:21; Dark ; 50.5; 15; 67Alp Vir ; 0.98; 28000;occ; 101; 0;40686
17; 5491.5; 11-DEC-2009 11:20:49; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40686
18; 5605.0; 11-DEC-2009 11:22:43; Dark ; 56.0; 100; 4Gam Crv ; 2.58; 13100;occ; 112; 0;40686
19; 5701.3; 11-DEC-2009 11:24:19; Dark ; 55.5; 171; 2Eps Crv ; 3.00; 4250;occ; 111; 0;40686
20; 5937.8; 11-DEC-2009 11:28:15; Dark ; 38.5; 64; Gam Cen ; 2.20; 10600;occ; 77; 0;40686
21; 6030.9; 11-DEC-2009 11:29:49; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40686
22; 6248.0; 11-DEC-2009 11:33:26; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;40686
23; 6492.1; 11-DEC-2009 11:37:30; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40686
24; 6565.1; 11-DEC-2009 11:38:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40686
25; 6764.9; 11-DEC-2009 11:42:03; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;40686
26; 6913.8; 11-DEC-2009 11:44:32; Dark ; 49.5; 2; Alp Car ; -0.74; 7000;occ; 99; 0;40686
27; 7065.4; 11-DEC-2009 11:47:03; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;40686
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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1; 1547.5; 11-DEC-2009 11:55:41; Dark ; 35.0; 47; 2Bet CMa ; 1.98; 28000;occ; 70; 39;40687
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
4; 2040.0; 11-DEC-2009 12:03:54; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;40687
5; 2196.8; 11-DEC-2009 12:06:30; Dark ; 47.5; 13; 87Alp Tau ; 0.87; 3800;occ; 95; 0;40687
6; 2355.6; 11-DEC-2009 12:09:09; Bright; 46.5; 176; 23Zet Tau ; 3.02; 22000;occ; 93; 0;40687
7; 2476.9; 11-DEC-2009 12:11:10; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;40687
8; 2591.1; 11-DEC-2009 12:13:05; Bright; 36.5; 149; 45Eps Per ; 2.89; 30000;occ; 73; 0;40687
9; 2766.6; 11-DEC-2009 12:16:00; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;40687
10; 3760.8; 11-DEC-2009 12:32:34; Bright; 43.0; 36; 50Alp UMa ; 1.80; 6300;occ; 86; 0;40687
11; 3995.2; 11-DEC-2009 12:36:29; Bright; 38.5; 32; 77Eps UMa ; 1.76; 11000;occ; 77; 0;40687
12; 4140.1; 11-DEC-2009 12:38:54; Bright; 47.5; 39; 85Eta UMa ; 1.85; 24000;occ; 95; 0;40687
13; 4331.7; 11-DEC-2009 12:42:05; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;40687
14; 4711.5; 11-DEC-2009 12:48:25; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40687
15; 4929.1; 11-DEC-2009 12:52:03; Bright; 68.0; 138; 47Eps Vir ; 2.83; 4700;occ; 136; 0;40687
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
20; 5938.2; 11-DEC-2009 13:08:52; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;40687
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
24; 6565.9; 11-DEC-2009 13:19:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40687
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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1; 1547.4; 11-DEC-2009 13:36:17; Dark ; 41.0; 47; 2Bet CMa ; 1.98; 28000;occ; 82; 38;40688
2; 1748.2; 11-DEC-2009 13:39:38; Dark ; 51.0; 7; 19Bet Ori ; 0.10; 14000;occ; 102; 0;40688
3; 1893.6; 11-DEC-2009 13:42:03; Dark ; 54.0; 30; 46Eps Ori ; 1.69; 30000;occ; 108; 0;40688
4; 2039.8; 11-DEC-2009 13:44:29; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;40688
5; 2196.7; 11-DEC-2009 13:47:06; Dark ; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;40688
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

10; 3760.6; 11-DEC-2009 14:13:10; Bright; 46.0; 36; 50Alp UMa ; 1.80; 6300;occ; 92; 0;40688
 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
 25; 6766.5; 11-DEC-2009 15:03:16; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;40688
 26; 6915.0; 11-DEC-2009 15:05:44; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;40688
 27; 7066.6; 11-DEC-2009 15:08:16; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;40688
 28; 7271.4; 11-DEC-2009 15:11:41; Dark ; 57.5; 23; 21Eps CMa ; 1.50; 26000;occ; 115; 0;40688

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 2; 1748.2; 11-DEC-2009 15:20:14; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;40689
 3; 1893.6; 11-DEC-2009 15:22:39; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40689
 4; 2039.6; 11-DEC-2009 15:25:05; Dark ; 49.0; 27; 24Gam Ori ; 1.64; 26000;occ; 98; 0;40689
 5; 2196.8; 11-DEC-2009 15:27:42; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;40689
 6; 2354.6; 11-DEC-2009 15:30:20; Bright; 46.5; 176; 23Zet Tau ; 3.02; 22000;occ; 93; 0;40689
 7; 2475.9; 11-DEC-2009 15:32:21; Bright; 44.5; 28; 12Bet Tau ; 1.65; 15200;occ; 89; 0;40689
 8; 2591.1; 11-DEC-2009 15:34:16; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;40689
 9; 2765.9; 11-DEC-2009 15:37:11; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;40689
 10; 3760.3; 11-DEC-2009 15:53:46; Bright; 47.0; 36; 50Alp UMa ; 1.80; 6300;occ; 94; 0;40689
 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
 13; 4332.3; 11-DEC-2009 16:03:18; Bright; 53.0; 180; 27Gam Boo ; 3.04; 8000;occ; 106; 0;40689
 14; 4712.0; 11-DEC-2009 16:09:37; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;40689
 15; 4930.8; 11-DEC-2009 16:13:16; Bright; 47.0; 138; 47Eps Vir ; 2.83; 4700;occ; 94; 0;40689
 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
 20; 5939.6; 11-DEC-2009 16:30:05; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40689
 21; 6033.1; 11-DEC-2009 16:31:38; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;40689
 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
 26; 6915.2; 11-DEC-2009 16:46:21; Dark ; 48.5; 2; Alp Car ; -0.74; 7000;occ; 97; 0;40689
 27; 7067.3; 11-DEC-2009 16:48:53; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;40689
 28; 7271.9; 11-DEC-2009 16:52:17; Dark ; 55.5; 23; 21Eps CMa ; 1.50; 26000;occ; 111; 0;40689

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1; 1255.9; 11-DEC-2009 16:52:37; Dark ; 56.0; 23; 21Eps CMa ; 1.50; 26000;occ; 112; 40;40690
 2; 1528.4; 11-DEC-2009 16:57:10; Dark ; 46.0; 47; 2Bet CMa ; 1.98; 28000;occ; 92; 0;40690
 3; 1748.1; 11-DEC-2009 17:00:49; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;40690
 4; 1893.3; 11-DEC-2009 17:03:15; Dark ; 50.5; 30; 46Eps Ori ; 1.69; 30000;occ; 101; 0;40690
 5; 2039.4; 11-DEC-2009 17:05:41; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;40690
 6; 2196.5; 11-DEC-2009 17:08:18; Dark ; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;40690
 7; 2354.0; 11-DEC-2009 17:10:55; Bright; 48.0; 176; 23Zet Tau ; 3.02; 22000;occ; 96; 0;40690
 8; 2475.3; 11-DEC-2009 17:12:57; Bright; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;40690
 9; 2591.0; 11-DEC-2009 17:14:52; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40690
 10; 2765.3; 11-DEC-2009 17:17:47; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;40690
 11; 3759.4; 11-DEC-2009 17:34:21; Bright; 44.5; 36; 50Alp UMa ; 1.80; 6300;occ; 89; 0;40690
 12; 3994.9; 11-DEC-2009 17:38:16; Bright; 51.0; 32; 77Eps UMa ; 1.76; 11000;occ; 102; 0;40690
 13; 4140.1; 11-DEC-2009 17:40:41; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;40690
 14; 4332.2; 11-DEC-2009 17:43:54; Bright; 42.0; 180; 27Gam Boo ; 3.04; 8000;occ; 84; 0;40690
 15; 4712.2; 11-DEC-2009 17:50:14; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;40690
 16; 4931.3; 11-DEC-2009 17:53:53; Bright; 68.0; 138; 47Eps Vir ; 2.83; 4700;occ; 136; 0;40690
 17; 5232.4; 11-DEC-2009 17:58:54; Dark ; 56.0; 121; 29Gam Vir ; 2.74; 7200;occ; 112; 0;40690
 18; 5494.3; 11-DEC-2009 18:03:16; Dark ; 44.5; 169; 46Gam Hya ; 2.99; 4700;occ; 89; 0;40690
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12; 4334.4; 13-DEC-2009 08:17:42; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40713
13; 4719.0; 13-DEC-2009 08:24:07; Bright; 58.0; 111; 8Eta Boo ; 2.68; 6000;occ; 116; 0;40713
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16; 5509.3; 13-DEC-2009 08:37:17; Dark ; 44.0; 169; 46Gam Hya ; 2.99; 4700;occ; 88; 0;40713
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21; 6509.0; 13-DEC-2009 08:53:57; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;40713
22; 6586.1; 13-DEC-2009 08:55:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40713
23; 6785.3; 13-DEC-2009 08:58:33; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;40713
24; 6925.3; 13-DEC-2009 09:00:53; Dark ; 51.5; 2; Alp Car ; -0.74; 7000;occ; 103; 0;40713
25; 7082.1; 13-DEC-2009 09:03:30; Dark ; 54.5; 117; Pi Pup ; 2.71; 3800;occ; 109; 0;40713
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27; 7568.1; 13-DEC-2009 09:11:36; Dark ; 52.5; 47; 2Bet CMA ; 1.98; 28000;occ; 105; 0;40713
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6; 2464.0; 13-DEC-2009 09:27:08; Bright; 45.0; 28; 12Bet Tau ; 1.65; 15200;occ; 90; 0;40714
7; 2589.5; 13-DEC-2009 09:29:14; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40714
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11; 3990.3; 13-DEC-2009 09:52:34; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;40714
12; 4139.7; 13-DEC-2009 09:55:04; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;40714
13; 4334.6; 13-DEC-2009 09:58:19; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;40714
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16; 5300.8; 13-DEC-2009 10:14:25; Dark ; 50.0; 15; 67Alp Vir ; 0.98; 28000;occ; 100; 0;40714
17; 5510.0; 13-DEC-2009 10:17:54; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40714
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22; 6509.9; 13-DEC-2009 10:34:34; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40714
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5; 2341.1; 13-DEC-2009 11:05:41; Bright; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;40715
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9; 2817.1; 13-DEC-2009 11:13:37; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;40715
10; 3747.9; 13-DEC-2009 11:29:08; Bright; 47.0; 36; 50Alp UMa ; 1.80; 6300;occ; 94; 0;40715
11; 3990.2; 13-DEC-2009 11:33:10; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;40715
12; 4139.3; 13-DEC-2009 11:35:39; Bright; 57.0; 39; 85Eta UMa ; 1.85; 24000;occ; 114; 0;40715
13; 4334.7; 13-DEC-2009 11:38:55; Bright; 54.0; 180; 27Gam Boo ; 3.04; 8000;occ; 108; 0;40715
14; 4719.4; 13-DEC-2009 11:45:19; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;40715
15; 4945.6; 13-DEC-2009 11:49:05; Bright; 70.0; 138; 47Eps Vir ; 2.83; 4700;occ; 140; 0;40715
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17; 5510.7; 13-DEC-2009 11:58:31; Dark ; 42.5; 169; 46Gam Hya ; 2.99; 4700;occ; 85; 0;40715
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 23; 6587.6; 13-DEC-2009 12:16:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40715
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 9; 2816.4; 13-DEC-2009 12:54:12; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;40716
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 13; 4334.7; 13-DEC-2009 13:19:31; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40716
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 19; 5738.6; 13-DEC-2009 15:23:30; Dark ; 58.0; 171; 2Eps Crv ; 3.00; 4250;occ; 116; 0;40717
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 19; 5790.0; 16-DEC-2009 10:28:19; Dark ; 53.0; 171; 2Eps Crv ; 3.00; 4250;occ; 106; 0;40757
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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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 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
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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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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
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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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 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
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 19; 5696.3; 16-DEC-2009 15:28:33; Dark ; 58.0; 106; 9Bet Crv ; 2.65; 5600;occ; 116; 0;40760
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 22; 5795.7; 16-DEC-2009 17:10:49; Dark ; 42.0; 171; 2Eps Crv ; 3.00; 4250;occ; 84; 0;40761
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 12; 2789.2; 16-DEC-2009 18:01:18; Bright; 63.0; 42; 34Bet Aur ; 1.90; 10200;occ; 126; 0;40762
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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
 20; 6336.8; 18-DEC-2009 11:14:48; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40786
 21; 6554.3; 18-DEC-2009 11:18:26; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;40786
 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
 24; 6966.1; 18-DEC-2009 11:25:18; Dark ; 48.0; 70; Zet Pup ; 2.25; 39000;occ; 96; 0;40786
 25; 7123.1; 18-DEC-2009 11:27:55; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;40786
 26; 7313.7; 18-DEC-2009 11:31:05; Dark ; 51.0; 23; 21Eps CMA ; 1.50; 26000;occ; 102; 0;40786
 27; 7418.8; 18-DEC-2009 11:32:50; Dark ; 53.5; 179; 240mi2CMA ; 3.03; 24000;occ; 107; 0;40786
 28; 7594.7; 18-DEC-2009 11:35:46; Dark ; 55.5; 1; 9Alp CMA ; -1.44; 11000;occ; 111; 0;40786

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 2; 1882.1; 18-DEC-2009 11:41:10; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;40787
 3; 2063.9; 18-DEC-2009 11:44:11; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;40787
 4; 2188.5; 18-DEC-2009 11:46:16; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;40787
 5; 2311.5; 18-DEC-2009 11:48:19; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;40787
 6; 2435.4; 18-DEC-2009 11:50:23; Bright; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;40787
 7; 2644.0; 18-DEC-2009 11:53:52; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;40787
 8; 2775.4; 18-DEC-2009 11:56:03; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;40787
 9; 3703.7; 18-DEC-2009 12:11:31; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;40787
 10; 3974.4; 18-DEC-2009 12:16:02; Bright; 63.0; 32; 77Eps UMa ; 1.76; 11000;occ; 126; 0;40787
 11; 4135.3; 18-DEC-2009 12:18:43; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;40787
 12; 4341.1; 18-DEC-2009 12:22:09; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;40787
 13; 4537.1; 18-DEC-2009 12:25:25; Bright; 55.0; 83; ; 2.38; 11000;occ; 110; 0;40787
 14; 4741.7; 18-DEC-2009 12:28:49; Bright; 43.5; 111; 8Eta Boo ; 2.68; 6000;occ; 87; 0;40787
 15; 5354.1; 18-DEC-2009 12:39:02; Dark ; 54.0; 15; 67Alp Vir ; 0.98; 28000;occ; 108; 0;40787
 16; 5564.6; 18-DEC-2009 12:42:32; Dark ; 47.5; 169; 46Gam Hya ; 2.99; 4700;occ; 95; 0;40787
 17; 5726.8; 18-DEC-2009 12:45:14; Dark ; 58.0; 106; 9Bet Crv ; 2.65; 5600;occ; 116; 0;40787
 18; 5999.8; 18-DEC-2009 12:49:47; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;40787
 19; 6099.9; 18-DEC-2009 12:51:27; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40787
 20; 6337.6; 18-DEC-2009 12:55:25; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40787
 21; 6554.8; 18-DEC-2009 12:59:02; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40787
 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
 24; 6966.7; 18-DEC-2009 13:05:54; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;40787
 25; 7123.5; 18-DEC-2009 13:08:31; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;40787
 26; 7313.8; 18-DEC-2009 13:11:41; Dark ; 53.5; 23; 21Eps CMA ; 1.50; 26000;occ; 107; 0;40787
 27; 7418.7; 18-DEC-2009 13:13:26; Dark ; 52.5; 179; 240mi2CMA ; 3.03; 24000;occ; 105; 0;40787
 28; 7594.7; 18-DEC-2009 13:16:22; Dark ; 8.5; 1; 9Alp CMA ; -1.44; 11000;occ; 17; 0;40787

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 2; 1751.5; 18-DEC-2009 13:19:35; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;40788
 3; 1882.1; 18-DEC-2009 13:21:46; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;40788
 4; 2063.5; 18-DEC-2009 13:24:47; Dark ; 56.5; 14; 58Alp Ori ; 0.87; 3000;occ; 113; 0;40788
 5; 2188.7; 18-DEC-2009 13:26:52; Dark ; 44.0; 13; 87Alp Tau ; 0.87; 3800;occ; 88; 0;40788
 6; 2311.4; 18-DEC-2009 13:28:55; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;40788
 7; 2435.0; 18-DEC-2009 13:30:58; Bright; 44.0; 28; 12Bet Tau ; 1.65; 15200;occ; 88; 0;40788
 8; 2643.4; 18-DEC-2009 13:34:27; Bright; 41.0; 107; 37The Aur ; 2.65; 11000;occ; 82; 0;40788
 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
 15; 4742.3; 18-DEC-2009 14:09:26; Bright; 43.0; 111; 8Eta Boo ; 2.68; 6000;occ; 86; 0;40788
 16; 5354.8; 18-DEC-2009 14:19:38; Dark ; 56.0; 15; 67Alp Vir ; 0.98; 28000;occ; 112; 0;40788
 17; 5565.5; 18-DEC-2009 14:23:09; Dark ; 47.5; 169; 46Gam Hya ; 2.99; 4700;occ; 95; 0;40788
 18; 5728.0; 18-DEC-2009 14:25:51; Dark ; 53.0; 106; 9Bet Crv ; 2.65; 5600;occ; 106; 0;40788

19; 6000.5; 18-DEC-2009 14:30:24; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40788
 20; 6100.8; 18-DEC-2009 14:32:04; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;40788
 21; 6338.6; 18-DEC-2009 14:36:02; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;40788
 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
 24; 6838.3; 18-DEC-2009 14:44:22; Dark ; 52.5; 34; Gam2Vel ; 1.79; 23000;occ; 105; 0;40788
 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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 2; 1558.9; 18-DEC-2009 14:56:58; Dark ; 61.0; 1; 9Alp CMA ; -1.44; 11000;occ; 122; 0;40789
 3; 1751.6; 18-DEC-2009 15:00:11; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0;40789
 4; 1881.8; 18-DEC-2009 15:02:21; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;40789
 5; 2063.1; 18-DEC-2009 15:05:22; Dark ; 64.0; 14; 58Alp Ori ; 0.87; 3000;occ; 128; 0;40789
 6; 2188.6; 18-DEC-2009 15:07:28; Dark ; 45.5; 13; 87Alp Tau ; 0.87; 3800;occ; 91; 0;40789
 7; 2311.0; 18-DEC-2009 15:09:30; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;40789
 8; 2434.6; 18-DEC-2009 15:11:34; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;40789
 9; 2643.0; 18-DEC-2009 15:15:02; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;40789
 10; 2774.5; 18-DEC-2009 15:17:14; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;40789
 11; 3703.9; 18-DEC-2009 15:32:43; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40789
 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
 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
 19; 5729.3; 18-DEC-2009 16:06:29; Dark ; 55.0; 106; 9Bet Crv ; 2.65; 5600;occ; 110; 0;40789
 20; 6001.2; 18-DEC-2009 16:11:01; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;40789
 21; 6101.6; 18-DEC-2009 16:12:41; Dark ; 42.5; 99; Del Cen ; 2.58; 26000;occ; 85; 0;40789
 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
 24; 6643.0; 18-DEC-2009 16:21:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40789
 25; 6839.1; 18-DEC-2009 16:24:58; Dark ; 51.5; 34; Gam2Vel ; 1.79; 23000;occ; 103; 0;40789
 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
 28; 7314.8; 18-DEC-2009 16:32:54; Dark ; 47.5; 23; 21Eps CMA ; 1.50; 26000;occ; 95; 0;40789

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 2; 1383.8; 18-DEC-2009 16:34:39; Dark ; 52.0; 179; 240mi2CMA ; 3.03; 24000;occ; 104; 0;40790
 3; 1559.0; 18-DEC-2009 16:37:34; Dark ; 60.5; 1; 9Alp CMA ; -1.44; 11000;occ; 121; 0;40790
 4; 1751.8; 18-DEC-2009 16:40:47; Dark ; 47.0; 7; 19Bet Ori ; 0.10; 14000;occ; 94; 0;40790
 5; 1882.0; 18-DEC-2009 16:42:57; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;40790
 6; 2062.8; 18-DEC-2009 16:45:58; Dark ; 64.0; 14; 58Alp Ori ; 0.87; 3000;occ; 128; 0;40790
 7; 2188.4; 18-DEC-2009 16:48:04; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;40790
 8; 2310.5; 18-DEC-2009 16:50:06; Bright; 41.0; 176; 23Zet Tau ; 3.02; 22000;occ; 82; 0;40790
 9; 2434.3; 18-DEC-2009 16:52:10; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;40790
 10; 2642.4; 18-DEC-2009 16:55:38; Bright; 43.0; 107; 37The Aur ; 2.65; 11000;occ; 86; 0;40790
 11; 2773.8; 18-DEC-2009 16:57:49; Bright; 42.5; 42; 34Bet Aur ; 1.90; 10200;occ; 85; 0;40790
 12; 3703.9; 18-DEC-2009 17:13:19; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;40790
 13; 3973.7; 18-DEC-2009 17:17:49; Bright; 63.0; 32; 77Eps UMa ; 1.76; 11000;occ; 126; 0;40790
 14; 4134.9; 18-DEC-2009 17:20:30; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;40790
 15; 4341.5; 18-DEC-2009 17:23:57; Bright; 56.0; 180; 27Gam Boo ; 3.04; 8000;occ; 112; 0;40790
 16; 4537.8; 18-DEC-2009 17:27:13; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;40790
 17; 4743.0; 18-DEC-2009 17:30:38; Bright; 50.0; 111; 8Eta Boo ; 2.68; 6000;occ; 100; 0;40790
 18; 5356.5; 18-DEC-2009 17:40:52; Dark ; 57.5; 15; 67Alp Vir ; 0.98; 28000;occ; 115; 0;40790
 19; 5567.2; 18-DEC-2009 17:44:23; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40790
 20; 5730.6; 18-DEC-2009 17:47:06; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;40790
 21; 6001.9; 18-DEC-2009 17:51:37; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40790
 22; 6102.3; 18-DEC-2009 17:53:18; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40790
 23; 6340.5; 18-DEC-2009 17:57:16; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40790
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 25; 6643.7; 18-DEC-2009 18:02:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40790
 26; 6839.8; 18-DEC-2009 18:05:35; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;40790
 27; 6969.2; 18-DEC-2009 18:07:45; Dark ; 50.0; 70; Zet Pup ; 2.25; 39000;occ; 100; 0;40790
 28; 7125.4; 18-DEC-2009 18:10:21; Dark ; 32.5; 117; Pi Pup ; 2.71; 3800;occ; 65; 0;40790

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 3; 1384.3; 18-DEC-2009 18:15:16; Dark ; 49.0; 179; 240mi2CMa ; 3.03; 24000;occ; 98; 0;40791
 4; 1559.3; 18-DEC-2009 18:18:11; Dark ; 60.5; 1; 9Alp CMa ; -1.44; 11000;occ; 121; 0;40791
 5; 1751.8; 18-DEC-2009 18:21:23; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;40791
 6; 1881.9; 18-DEC-2009 18:23:33; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;40791
 7; 2062.6; 18-DEC-2009 18:26:34; Dark ; 61.0; 14; 58Alp Ori ; 0.87; 3000;occ; 122; 0;40791
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 10; 2434.0; 18-DEC-2009 18:32:45; Bright; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;40791
 11; 2642.0; 18-DEC-2009 18:36:13; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;40791
 12; 2773.4; 18-DEC-2009 18:38:25; Bright; 41.5; 42; 34Bet Aur ; 1.90; 10200;occ; 83; 0;40791
 13; 3703.5; 18-DEC-2009 18:53:55; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40791
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 16; 4341.6; 18-DEC-2009 19:04:33; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40791
 17; 4537.8; 18-DEC-2009 19:07:49; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;40791
 18; 4743.5; 18-DEC-2009 19:11:15; Bright; 43.0; 111; 8Eta Boo ; 2.68; 6000;occ; 86; 0;40791
 19; 5357.3; 18-DEC-2009 19:21:29; Dark ; 50.0; 15; 67Alp Vir ; 0.98; 28000;occ; 100; 0;40791
 20; 5567.9; 18-DEC-2009 19:24:59; Dark ; 44.5; 169; 46Gam Hya ; 2.99; 4700;occ; 89; 0;40791
 21; 5731.7; 18-DEC-2009 19:27:43; Dark ; 53.0; 106; 9Bet Crv ; 2.65; 5600;occ; 106; 0;40791
 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
 24; 6341.4; 18-DEC-2009 19:37:53; Dark ; 55.5; 113; Mu Vel ; 2.69; 5000;occ; 111; 0;40791
 25; 6557.4; 18-DEC-2009 19:41:29; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40791
 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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 3; -300.9; 19-DEC-2009 00:29:34; Dark ; 64.0; 106; 9Bet Crv ; 2.65; 5600;occ; 128; 0;40794
 4; -31.6; 19-DEC-2009 00:34:03; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;40794
 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
 8; 610.6; 19-DEC-2009 00:44:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40795
 9; 806.2; 19-DEC-2009 00:48:01; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40795
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 11; 1091.1; 19-DEC-2009 00:52:46; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;40795
 12; 1280.7; 19-DEC-2009 00:55:56; Dark ; 50.0; 23; 21Eps CMa ; 1.50; 26000;occ; 100; 0;40795
 13; 1385.0; 19-DEC-2009 00:57:40; Dark ; 53.5; 179; 240mi2CMa ; 3.03; 24000;occ; 107; 0;40795
 14; 1559.4; 19-DEC-2009 01:00:34; Dark ; 60.0; 1; 9Alp CMa ; -1.44; 11000;occ; 120; 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
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 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
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 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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 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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 13; 524.4; 19-DEC-2009 04:04:31; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40797
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 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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 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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 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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 17; 1092.8; 19-DEC-2009 05:54:36; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;40798
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 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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 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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3; 1285.4; 19-DEC-2009 21:03:12; Dark ; 50.5; 23; 21Eps CMa ; 1.50; 26000;occ; 101; 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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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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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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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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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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13; 1566.0; 22-DEC-2009 22:54:13; Dark ; 53.0; 1; 9Alp CMA ; -1.44; 11000;occ; 106; 0;40851
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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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 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
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 23; 4129.0; 23-DEC-2009 01:17:32; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40852
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 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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 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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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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12; 4346.9; 23-DEC-2009 11:24:46; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;40858
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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
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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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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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 19; 5420.9; 23-DEC-2009 18:25:04; Dark ; 55.5; 15; 67Alp Vir ; 0.98; 28000;occ; 111; 0;40862
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 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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 5; 1404.8; 23-DEC-2009 18:58:43; Dark ; 48.5; 179; 240mi2CMA ; 3.03; 24000;occ; 97; 0;40863
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 16; 4127.8; 23-DEC-2009 19:44:06; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40863
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 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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 22; 5823.8; 23-DEC-2009 20:12:23; Dark ; 30.0; 106; 9Bet Crv ; 2.65; 5600;occ; 60; 0;40863
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 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
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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
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 5; 107.0; 24-DEC-2009 01:19:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40867
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 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
 14; 1568.1; 24-DEC-2009 01:43:50; Dark ; 52.5; 1; 9Alp CMA ; -1.44; 11000;occ; 105; 0;40867
 15; 1757.2; 24-DEC-2009 01:46:59; Dark ; 44.5; 7; 19Bet Ori ; 0.10; 14000;occ; 89; 0;40867
 16; 1878.9; 24-DEC-2009 01:49:01; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;40867
 17; 2045.7; 24-DEC-2009 01:51:48; Dark ; 53.5; 14; 58Alp Ori ; 0.87; 3000;occ; 107; 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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 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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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
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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
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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
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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
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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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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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24; 2045.5; 24-DEC-2009 05:13:00; Dark ; 60.0; 14; 58Alp Ori ; 0.87; 3000;occ; 120; 0;40869
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26; 2413.1; 24-DEC-2009 05:19:07; Bright; 41.0; 28; 12Bet Tau ; 1.65; 15200;occ; 82; 0;40869
27; 2604.3; 24-DEC-2009 05:22:19; Bright; 41.5; 107; 37The Aur ; 2.65; 11000;occ; 83; 0;40869
28; 2708.8; 24-DEC-2009 05:24:03; Bright; 55.0; 6; 13Alp Aur ; 0.08; 3400;occ; 110; 0;40869
29; 3699.8; 24-DEC-2009 05:40:34; Bright; 26.0; 60; 7Bet UMi ; 2.08; 3950;occ; 52; 0;40869

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3; -1909.0; 24-DEC-2009 05:47:41; Bright; 43.5; 39; 85Eta UMa ; 1.85; 24000;occ; 87; 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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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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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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17;	4559.5;	26-DEC-2009	19:57:03;	Bright;		39.0;	83;		;	2.38;	11000;	occ;	78;	0;	40906
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24;	6178.3;	26-DEC-2009	20:24:02;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	40906
25;	6445.7;	26-DEC-2009	20:28:30;	Dark	;	46.0;	113;	Mu Vel	;	2.69;	5000;	occ;	92;	0;	40906
26;	6625.1;	26-DEC-2009	20:31:29;	Dark	;	42.0;	71;	Iot Car	;	2.25;	7700;	occ;	84;	0;	40906
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17; 4352.9; 31-DEC-2009 18:56:08; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;40977
18; 4573.7; 31-DEC-2009 18:59:49; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;40977
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
25; 6243.1; 31-DEC-2009 19:27:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40977
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
28; 6760.3; 31-DEC-2009 19:36:15; Dark ; 52.0; 41; Eps Car ; 1.86; 4100;occ; 104; 0;40977
29; 6950.7; 31-DEC-2009 19:39:26; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40977
30; 7082.3; 31-DEC-2009 19:41:37; Dark ; 16.5; 70; Zet Pup ; 2.25; 39000;occ; 33; 0;40977

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