

GOMOS Daily Report 22-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	25DEC2009 04:57:29
Data source version	GOMOS/5.00L04
Start time of products	22DEC2009 00:01:26
Stop time of products	22DEC2009 23:58:17
Store outputs in DB	Yes
Nb of level 1b prods	152
Nb of prods with errors	0

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

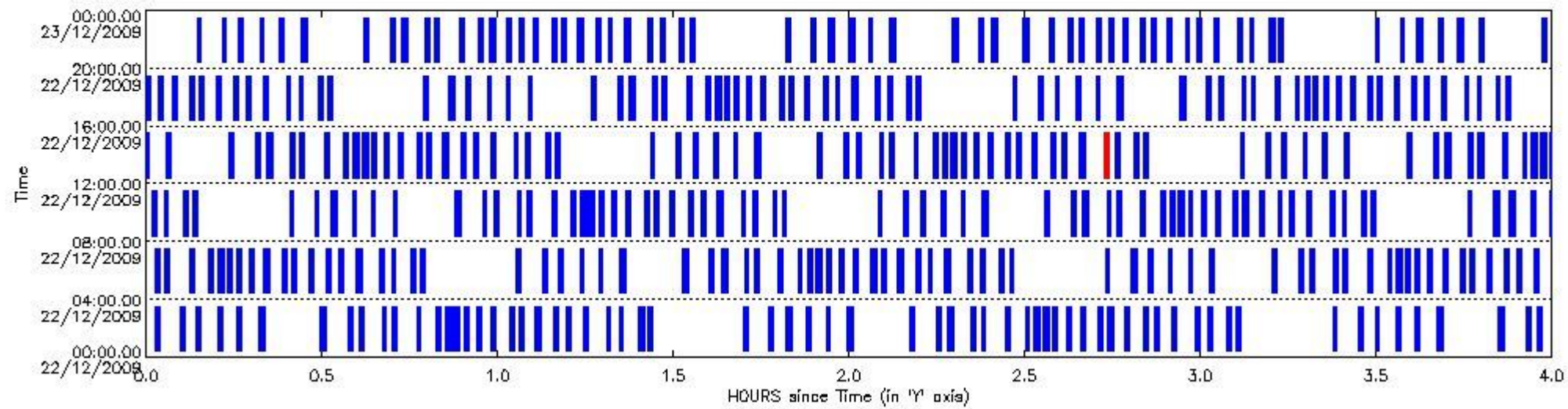
2.1 Level 0 products arrived in PCF (see template [here](#))

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
22-DEC-2009 14:43:28	23ZetTau	176	40846

2.4 Summary of processed GOM_TRA_1P products

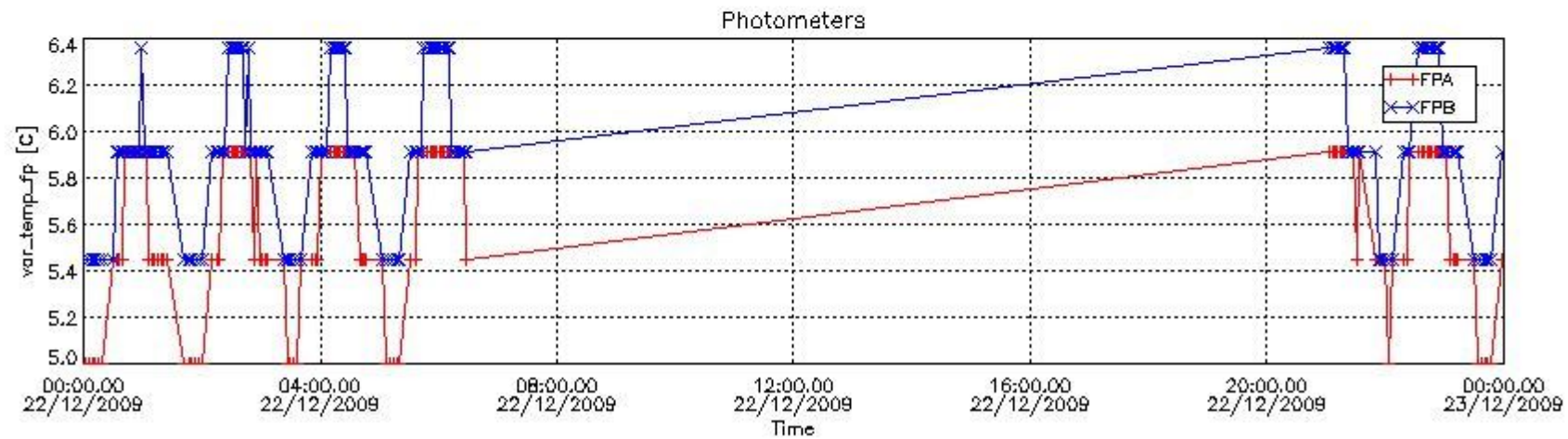
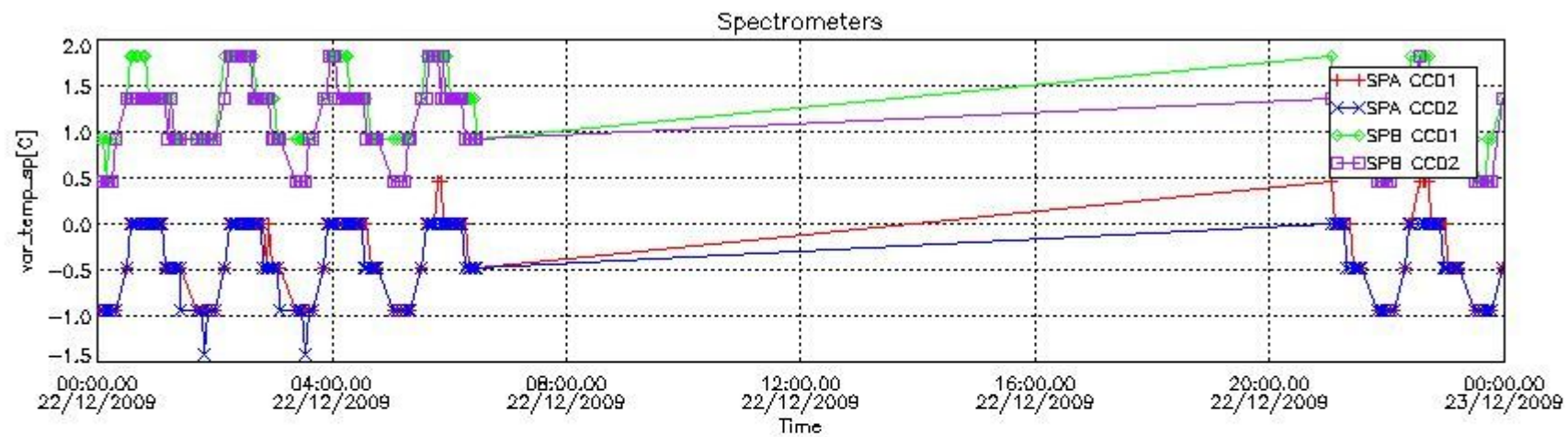
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20091222_000126_000000532085_00202_40837_9800.N1	22-DEC-2009 00:01:26	Bright	53.000	60	7Bet UMi	2.0810	3950.0	106	40837	No
2	GOM_TRA_1PNPDE20091222_000546_000000452085_00202_40837_9801.N1	22-DEC-2009 00:05:46	Bright	45.000	32	77Eps UMa	1.7630	11000.	90	40837	No
3	GOM_TRA_1PNPDE20091222_000835_000000442085_00202_40837_9802.N1	22-DEC-2009 00:08:35	Bright	43.500	39	85Eta UMa	1.8540	24000.	87	40837	No
4	GOM_TRA_1PNPDE20091222_001209_000000572085_00202_40837_9803.N1	22-DEC-2009 00:12:09	Bright	57.000	180	27Gam Boo	3.0400	8000.0	114	40837	No
5	GOM_TRA_1PNPDE20091222_001530_000000432085_00202_40837_9804.N1	22-DEC-2009 00:15:30	Bright	43.000	83		2.3780	11000.	86	40837	No
6	GOM_TRA_1PNPDE20091222_001904_000000642085_00202_40837_9805.N1	22-DEC-2009 00:19:04	Bright	63.500	111	8Eta Boo	2.6800	6000.0	127	40837	No
7	GOM_TRA_1PNPDE20091222_002941_000000552085_00202_40837_9802.N1	22-DEC-2009 00:29:41	Twilight_stray	55.000	15	67Alp Vir	0.97600	28000.	110	40837	No
8	GOM_TRA_1PNPDE20091222_003422_000000462085_00202_40837_9803.N1	22-DEC-2009 00:34:22	Dark	46.000	54	5The Cen	2.0550	4500.0	92	40837	No
9	GOM_TRA_1PNPDE20091222_003613_000000582085_00202_40837_9804.N1	22-DEC-2009 00:36:13	Dark	58.000	106	9Bet Crv	2.6480	5600.0	116	40837	No
10	GOM_TRA_1PNPDE20091222_004018_000000432085_00202_40837_9805.N1	22-DEC-2009 00:40:18	Dark	42.500	64	Gam Cen	2.2000	10600.	85	40837	No

11	GOM_TRA_1PNPDE20091222_004158_000000442085_00203_40838_9806.N1	22-DEC-2009 00:41:58	Dark	43.500	26	Gam Cru	1.6240	2900.0	87	40838	No
12	GOM_TRA_1PNPDE20091222_004607_000000462085_00203_40838_9807.N1	22-DEC-2009 00:46:07	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	40838	No
13	GOM_TRA_1PNPDE20091222_004929_000000412085_00203_40838_9808.N1	22-DEC-2009 00:49:29	Dark	40.500	71	lot Car	2.2460	7700.0	81	40838	No
14	GOM_TRA_1PNPDE20091222_005229_000000572085_00203_40838_9809.N1	22-DEC-2009 00:52:29	Dark	56.500	65	Lam Vel	2.2040	4400.0	113	40838	No
15	GOM_TRA_1PNPDE20091222_005414_000000452085_00203_40838_9810.N1	22-DEC-2009 00:54:14	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	40838	No
16	GOM_TRA_1PNPDE20091222_005625_000000502085_00203_40838_9811.N1	22-DEC-2009 00:56:25	Dark	50.000	70	Zet Pup	2.2460	39000.	100	40838	No
17	GOM_TRA_1PNPDE20091222_005853_000000502085_00203_40838_9812.N1	22-DEC-2009 00:58:53	Dark	49.500	117	Pi Pup	2.7060	3800.0	99	40838	No
18	GOM_TRA_1PNPDE20091222_010157_000000502085_00203_40838_9813.N1	22-DEC-2009 01:01:57	Straylight	50.000	23	21Eps CMa	1.5020	26000.	100	40838	No
19	GOM_TRA_1PNPDE20091222_010338_000000492085_00203_40838_9814.N1	22-DEC-2009 01:03:38	Straylight	49.000	179	24Omi2CMa	3.0320	24000.	98	40838	No
20	GOM_TRA_1PNPDE20091222_010625_000000572085_00203_40838_9815.N1	22-DEC-2009 01:06:25	Straylight	56.500	1	9Alp CMa	-1.4400	11000.	113	40838	No
21	GOM_TRA_1PNPDE20091222_010935_000000472085_00203_40838_9816.N1	22-DEC-2009 01:09:35	Straylight	46.500	7	19Bet Ori	0.10000	14000.	93	40838	No
22	GOM_TRA_1PNPDE20091222_011139_000000472085_00203_40838_9817.N1	22-DEC-2009 01:11:39	Straylight	46.500	30	46Eps Ori	1.6940	30000.	93	40838	No
23	GOM_TRA_1PNPDE20091222_011431_000000572085_00203_40838_9818.N1	22-DEC-2009 01:14:31	Tw_i_and_stray	57.000	14	58Alp Ori	0.87000	3000.0	114	40838	No
24	GOM_TRA_1PNPDE20091222_011836_000000422085_00203_40838_9819.N1	22-DEC-2009 01:18:36	Bright	42.000	176	23Zet Tau	3.0200	22000.	84	40838	No
25	GOM_TRA_1PNPDE20091222_012041_000000432085_00203_40838_9820.N1	22-DEC-2009 01:20:41	Bright	43.000	28	12Bet Tau	1.6500	15200.	86	40838	No
26	GOM_TRA_1PNPDE20091222_012358_000000622085_00203_40838_9821.N1	22-DEC-2009 01:23:58	Bright	62.000	107	37The Aur	2.6490	11000.	124	40838	No
27	GOM_TRA_1PNPDE20091222_012536_000000452085_00203_40838_9822.N1	22-DEC-2009 01:25:36	Bright	45.000	6	13Alp Aur	0.080000	3400.0	90	40838	No
28	GOM_TRA_1PNPDE20091222_014202_000000402085_00203_40838_9823.N1	22-DEC-2009 01:42:02	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	40838	No
29	GOM_TRA_1PNPDE20091222_014621_000000462085_00203_40838_9824.N1	22-DEC-2009 01:46:21	Bright	46.000	32	77Eps UMa	1.7630	11000.	92	40838	No
30	GOM_TRA_1PNPDE20091222_014911_000000602085_00203_40838_9825.N1	22-DEC-2009 01:49:11	Bright	60.000	39	85Eta UMa	1.8540	24000.	120	40838	No
31	GOM_TRA_1PNPDE20091222_015245_000000382085_00203_40838_9826.N1	22-DEC-2009 01:52:45	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	40838	No
32	GOM_TRA_1PNPDE20091222_015606_000000382085_00203_40838_9827.N1	22-DEC-2009 01:56:06	Bright	38.000	83		2.3780	11000.	76	40838	No
33	GOM_TRA_1PNPDE20091222_015940_000000652085_00203_40838_9828.N1	22-DEC-2009 01:59:40	Bright	64.500	111	8Eta Boo	2.6800	6000.0	129	40838	No
34	GOM_TRA_1PNPDE20091222_021018_000000552085_00203_40838_9819.N1	22-DEC-2009 02:10:18	Tw_i_and_stray	55.000	15	67Alp Vir	0.97600	28000.	110	40838	No
35	GOM_TRA_1PNPDE20091222_021458_000000432085_00203_40838_9820.N1	22-DEC-2009 02:14:58	Dark	43.000	54	5The Cen	2.0550	4500.0	86	40838	No
36	GOM_TRA_1PNPDE20091222_021650_000000572085_00203_40838_9821.N1	22-DEC-2009 02:16:50	Dark	57.000	106	9Bet Crv	2.6480	5600.0	114	40838	No
37	GOM_TRA_1PNPDE20091222_022055_000000442085_00203_40838_9822.N1	22-DEC-2009 02:20:55	Dark	43.500	64	Gam Cen	2.2000	10600.	87	40838	No
38	GOM_TRA_1PNPDE20091222_022235_000000412085_00204_40839_9823.N1	22-DEC-2009 02:22:35	Dark	41.000	26	Gam Cru	1.6240	2900.0	82	40839	No
39	GOM_TRA_1PNPDE20091222_022644_000000472085_00204_40839_9824.N1	22-DEC-2009 02:26:44	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	40839	No
40	GOM_TRA_1PNPDE20091222_023006_000000412085_00204_40839_9825.N1	22-DEC-2009 02:30:06	Dark	40.500	71	lot Car	2.2460	7700.0	81	40839	No
41	GOM_TRA_1PNPDE20091222_023306_000000612085_00204_40839_9826.N1	22-DEC-2009 02:33:06	Dark	61.000	65	Lam Vel	2.2040	4400.0	122	40839	No
42	GOM_TRA_1PNPDE20091222_023451_000000482085_00204_40839_9827.N1	22-DEC-2009 02:34:51	Dark	47.500	34	Gam2Vel	1.7930	23000.	95	40839	No
43	GOM_TRA_1PNPDE20091222_023702_000000512085_00204_40839_9828.N1	22-DEC-2009 02:37:02	Dark	50.500	70	Zet Pup	2.2460	39000.	101	40839	No
44	GOM_TRA_1PNPDE20091222_023929_000000512085_00204_40839_9829.N1	22-DEC-2009 02:39:29	Dark	50.500	117	Pi Pup	2.7060	3800.0	101	40839	No
45	GOM_TRA_1PNPDE20091222_024233_000000482085_00204_40839_9830.N1	22-DEC-2009 02:42:33	Straylight	48.000	23	21Eps CMa	1.5020	26000.	96	40839	No
46	GOM_TRA_1PNPDE20091222_024414_000000492085_00204_40839_9831.N1	22-DEC-2009 02:44:14	Straylight	49.000	179	24Omi2CMa	3.0320	24000.	98	40839	No
47	GOM_TRA_1PNPDE20091222_024701_000000552085_00204_40839_9832.N1	22-DEC-2009 02:47:01	Straylight	54.500	1	9Alp CMa	-1.4400	11000.	109	40839	No
48	GOM_TRA_1PNPDE20091222_025011_000000482085_00204_40839_9833.N1	22-DEC-2009 02:50:11	Straylight	47.500	7	19Bet Ori	0.10000	14000.	95	40839	No
49	GOM_TRA_1PNPDE20091222_025216_000000452085_00204_40839_9834.N1	22-DEC-2009 02:52:16	Straylight	44.500	30	46Eps Ori	1.6940	30000.	89	40839	No
50	GOM_TRA_1PNPDE20091222_025507_000000532085_00204_40839_9835.N1	22-DEC-2009 02:55:07	Tw_i_and_stray	52.500	14	58Alp Ori	0.87000	3000.0	105	40839	No
51	GOM_TRA_1PNPDE20091222_025912_000000422085_00204_40839_9836.N1	22-DEC-2009 02:59:12	Bright	42.000	176	23Zet Tau	3.0200	22000.	84	40839	No
52	GOM_TRA_1PNPDE20091222_030116_000000482085_00204_40839_9837.N1	22-DEC-2009 03:01:16	Bright	48.000	28	12Bet Tau	1.6500	15200.	96	40839	No
53	GOM_TRA_1PNPDE20091222_030434_000000422085_00204_40839_9838.N1	22-DEC-2009 03:04:34	Bright	42.000	107	37The Aur	2.6490	11000.	84	40839	No
54	GOM_TRA_1PNPDE20091222_030611_000000442085_00204_40839_9839.N1	22-DEC-2009 03:06:11	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	40839	No
55	GOM_TRA_1PNPDE20091222_032238_000000382085_00204_40839_9846.N1	22-DEC-2009 03:22:38	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	40839	No
56	GOM_TRA_1PNPDE20091222_032657_000000482085_00204_40839_9847.N1	22-DEC-2009 03:26:57	Bright	47.500	32	77Eps UMa	1.7630	11000.	95	40839	No
57	GOM_TRA_1PNPDE20091222_032947_000000402085_00204_40839_9848.N1	22-DEC-2009 03:29:47	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	40839	No
58	GOM_TRA_1PNPDE20091222_033321_000000572085_00204_40839_9849.N1	22-DEC-2009 03:33:21	Bright	57.000	180	27Gam Boo	3.0400	8000.0	114	40839	No
59	GOM_TRA_1PNPDE20091222_033642_000000382085_00204_40839_9850.N1	22-DEC-2009 03:36:42	Bright	38.000	83		2.3780	11000.	76	40839	No
60	GOM_TRA_1PNPDE20091222_034017_000000652085_00204_40839_9851.N1	22-DEC-2009 03:40:17	Bright	65.000	111	8Eta Boo	2.6800	6000.0	130	40839	No
61	GOM_TRA_1PNPDE20091222_035055_000000552085_00204_40839_9852.N1	22-DEC-2009 03:50:55	Tw_i_and_stray	54.500	15	67Alp Vir	0.97600	28000.	109	40839	No
62	GOM_TRA_1PNPDE20091222_035535_000000452085_00204_40839_9853.N1	22-DEC-2009 03:55:35	Dark	45.000	54	5The Cen	2.0550	4500.0	90	40839	No
63	GOM_TRA_1PNPDE20091222_035727_000000572085_00204_40839_9854.N1	22-DEC-2009 03:57:27	Dark	56.500	106	9Bet Crv	2.6480	5600.0	113	40839	No
64	GOM_TRA_1PNPDE20091222_040131_000000462085_00204_40839_9855.N1	22-DEC-2009 04:01:31	Dark	45.500	64	Gam Cen	2.2000	10600.	91	40839	No
65	GOM_TRA_1PNPDE20091222_040311_000000442085_00205_40840_9856.N1	22-DEC-2009 04:03:11	Dark	44.000	26	Gam Cru	1.6240	2900.0	88	40840	No
66	GOM_TRA_1PNPDE20091222_040721_000000432085_00205_40840_9857.N1	22-DEC-2009 04:07:21	Dark	43.000	113	Mu Vel	2.6920	5000.0	86	40840	No
67	GOM_TRA_1PNPDE20091222_041042_000000442085_00205_40840_9858.N1	22-DEC-2009 04:10:42	Dark	44.000	71	lot Car	2.2460	7700.0	88	40840	No
68	GOM_TRA_1PNPDE20091222_041343_000000562085_00205_40840_9859.N1	22-DEC-2009 04:13:43	Dark	55.500	65	Lam Vel	2.2040	4400.0	111	40840	No
69	GOM_TRA_1PNPDE20091222_041528_000000462085_00205_40840_9860.N1	22-DEC-2009 04:15:28	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	40840	No

70	GOM_TRA_1PNPDE20091222_041739_000000502085_00205_40840_9861.N1	22-DEC-2009 04:17:39	Dark	49.500	70	Zet Pup	2.2460	39000.	99	40840	No
71	GOM_TRA_1PNPDE20091222_042006_000000522085_00205_40840_9862.N1	22-DEC-2009 04:20:06	Dark	51.500	117	Pi Pup	2.7060	3800.0	103	40840	No
72	GOM_TRA_1PNPDE20091222_042309_000000502085_00205_40840_9863.N1	22-DEC-2009 04:23:09	Straylight	50.000	23	21Eps CMa	1.5020	26000.	100	40840	No
73	GOM_TRA_1PNPDE20091222_042450_000000502085_00205_40840_9864.N1	22-DEC-2009 04:24:50	Straylight	50.000	179	24Omi2CMa	3.0320	24000.	100	40840	No
74	GOM_TRA_1PNPDE20091222_042737_000000572085_00205_40840_9865.N1	22-DEC-2009 04:27:37	Straylight	56.500	1	9Alp CMa	-1.4400	11000.	113	40840	No
75	GOM_TRA_1PNPDE20091222_043047_000000472085_00205_40840_9866.N1	22-DEC-2009 04:30:47	Straylight	47.000	7	19Bet Ori	0.10000	14000.	94	40840	No
76	GOM_TRA_1PNPDE20091222_043251_000000462085_00205_40840_9867.N1	22-DEC-2009 04:32:51	Straylight	45.500	30	46Eps Ori	1.6940	30000.	91	40840	No
77	GOM_TRA_1PNPDE20091222_043543_000000612085_00205_40840_9868.N1	22-DEC-2009 04:35:43	Tw_i_and_stray	61.000	14	58Alp Ori	0.87000	3000.0	122	40840	No
78	GOM_TRA_1PNPDE20091222_043948_000000422085_00205_40840_9869.N1	22-DEC-2009 04:39:48	Bright	41.500	176	23Zet Tau	3.0200	22000.	83	40840	No
79	GOM_TRA_1PNPDE20091222_044152_000000422085_00205_40840_9870.N1	22-DEC-2009 04:41:52	Bright	41.500	28	12Bet Tau	1.6500	15200.	83	40840	No
80	GOM_TRA_1PNPDE20091222_044509_000000412085_00205_40840_9871.N1	22-DEC-2009 04:45:09	Bright	41.000	107	37The Aur	2.6490	11000.	82	40840	No
81	GOM_TRA_1PNPDE20091222_044647_000000432085_00205_40840_9872.N1	22-DEC-2009 04:46:47	Bright	42.500	6	13Alp Aur	0.080000	3400.0	85	40840	No
82	GOM_TRA_1PNPDE20091222_050314_000000392085_00205_40840_9862.N1	22-DEC-2009 05:03:14	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	40840	No
83	GOM_TRA_1PNPDE20091222_050733_000000492085_00205_40840_9863.N1	22-DEC-2009 05:07:33	Bright	48.500	32	77Eps UMa	1.7630	11000.	97	40840	No
84	GOM_TRA_1PNPDE20091222_051023_000000402085_00205_40840_9864.N1	22-DEC-2009 05:10:23	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	40840	No
85	GOM_TRA_1PNPDE20091222_051358_000000372085_00205_40840_9865.N1	22-DEC-2009 05:13:58	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	40840	No
86	GOM_TRA_1PNPDE20091222_051719_000000382085_00205_40840_9866.N1	22-DEC-2009 05:17:19	Bright	38.000	83		2.3780	11000.	76	40840	No
87	GOM_TRA_1PNPDE20091222_052053_000000652085_00205_40840_9867.N1	22-DEC-2009 05:20:53	Bright	65.000	111	8Eta Boo	2.6800	6000.0	130	40840	No
88	GOM_TRA_1PNPDE20091222_053132_000000572085_00205_40840_9868.N1	22-DEC-2009 05:31:32	Tw_i_and_stray	56.500	15	67Alp Vir	0.97600	28000.	113	40840	No
89	GOM_TRA_1PNPDE20091222_053611_000000442085_00205_40840_9869.N1	22-DEC-2009 05:36:11	Dark	43.500	54	5The Cen	2.0550	4500.0	87	40840	No
90	GOM_TRA_1PNPDE20091222_053805_000000682085_00205_40840_9870.N1	22-DEC-2009 05:38:05	Dark	67.500	106	9Bet Crv	2.6480	5600.0	135	40840	No
91	GOM_TRA_1PNPDE20091222_054208_000000432085_00205_40840_9871.N1	22-DEC-2009 05:42:08	Dark	42.500	64	Gam Cen	2.2000	10600.	85	40840	No
92	GOM_TRA_1PNPDE20091222_054348_000000442085_00206_40841_9872.N1	22-DEC-2009 05:43:48	Dark	43.500	26	Gam Cru	1.6240	2900.0	87	40841	No
93	GOM_TRA_1PNPDE20091222_054758_000000452085_00206_40841_9873.N1	22-DEC-2009 05:47:58	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	40841	No
94	GOM_TRA_1PNPDE20091222_055119_000000412085_00206_40841_9874.N1	22-DEC-2009 05:51:19	Dark	40.500	71	lot Car	2.2460	7700.0	81	40841	No
95	GOM_TRA_1PNPDE20091222_055419_000000572085_00206_40841_9875.N1	22-DEC-2009 05:54:19	Dark	56.500	65	Lam Vel	2.2040	4400.0	113	40841	No
96	GOM_TRA_1PNPDE20091222_055604_000000462085_00206_40841_9876.N1	22-DEC-2009 05:56:04	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	40841	No
97	GOM_TRA_1PNPDE20091222_055815_000000482085_00206_40841_9877.N1	22-DEC-2009 05:58:15	Dark	47.500	70	Zet Pup	2.2460	39000.	95	40841	No
98	GOM_TRA_1PNPDE20091222_060042_000000522085_00206_40841_9878.N1	22-DEC-2009 06:00:42	Dark	51.500	117	Pi Pup	2.7060	3800.0	103	40841	No
99	GOM_TRA_1PNPDE20091222_060346_000000512085_00206_40841_9879.N1	22-DEC-2009 06:03:46	Straylight	51.000	23	21Eps CMa	1.5020	26000.	102	40841	No
100	GOM_TRA_1PNPDE20091222_060527_000000492085_00206_40841_9880.N1	22-DEC-2009 06:05:27	Straylight	49.000	179	24Omi2CMa	3.0320	24000.	98	40841	No
101	GOM_TRA_1PNPDE20091222_060813_000000562085_00206_40841_9881.N1	22-DEC-2009 06:08:13	Straylight	56.000	1	9Alp CMa	-1.4400	11000.	112	40841	No
102	GOM_TRA_1PNPDE20091222_061123_000000452085_00206_40841_9882.N1	22-DEC-2009 06:11:23	Straylight	44.500	7	19Bet Ori	0.10000	14000.	89	40841	No
103	GOM_TRA_1PNPDE20091222_061328_000000452085_00206_40841_9883.N1	22-DEC-2009 06:13:28	Straylight	45.000	30	46Eps Ori	1.6940	30000.	90	40841	No
104	GOM_TRA_1PNPDE20091222_061619_000000532085_00206_40841_9884.N1	22-DEC-2009 06:16:19	Tw_i_and_stray	52.500	14	58Alp Ori	0.87000	3000.0	105	40841	No
105	GOM_TRA_1PNPDE20091222_062023_000000432085_00206_40841_9885.N1	22-DEC-2009 06:20:23	Bright	42.500	176	23Zet Tau	3.0200	22000.	85	40841	No
106	GOM_TRA_1PNPDE20091222_062228_000000402085_00206_40841_9886.N1	22-DEC-2009 06:22:28	Bright	40.000	28	12Bet Tau	1.6500	15200.	80	40841	No
107	GOM_TRA_1PNPDE20091222_062545_000000432085_00206_40841_9887.N1	22-DEC-2009 06:25:45	Bright	42.500	107	37The Aur	2.6490	11000.	85	40841	No
108	GOM_TRA_1PNPDE20091222_062723_000000402085_00206_40841_9888.N1	22-DEC-2009 06:27:23	Bright	40.000	6	13Alp Aur	0.080000	3400.0	80	40841	No
109	GOM_TRA_1PNPDE20091222_210344_000000502085_00215_40850_9998.N1	22-DEC-2009 21:03:44	Dark	49.500	70	Zet Pup	2.2460	39000.	99	40850	No
110	GOM_TRA_1PNPDE20091222_210610_000000502085_00215_40850_9999.N1	22-DEC-2009 21:06:10	Dark	50.000	117	Pi Pup	2.7060	3800.0	100	40850	No
111	GOM_TRA_1PNPDE20091222_210912_000000502085_00215_40850_0000.N1	22-DEC-2009 21:09:12	Straylight	50.000	23	21Eps CMa	1.5020	26000.	100	40850	No
112	GOM_TRA_1PNPDE20091222_211053_000000512085_00215_40850_0001.N1	22-DEC-2009 21:10:53	Straylight	51.000	179	24Omi2CMa	3.0320	24000.	102	40850	No
113	GOM_TRA_1PNPDE20091222_211338_000000562085_00215_40850_0002.N1	22-DEC-2009 21:13:38	Straylight	56.000	1	9Alp CMa	-1.4400	11000.	112	40850	No
114	GOM_TRA_1PNPDE20091222_211647_000000462085_00215_40850_0003.N1	22-DEC-2009 21:16:47	Straylight	45.500	7	19Bet Ori	0.10000	14000.	91	40850	No
115	GOM_TRA_1PNPDE20091222_211851_000000452085_00215_40850_0004.N1	22-DEC-2009 21:18:51	Straylight	44.500	30	46Eps Ori	1.6940	30000.	89	40850	No
116	GOM_TRA_1PNPDE20091222_212140_000000522085_00215_40850_0005.N1	22-DEC-2009 21:21:40	Tw_i_and_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	40850	No
117	GOM_TRA_1PNPDE20091222_212544_000000442085_00215_40850_0006.N1	22-DEC-2009 21:25:44	Bright	44.000	176	23Zet Tau	3.0200	22000.	88	40850	No
118	GOM_TRA_1PNPDE20091222_212749_000000432085_00215_40850_0007.N1	22-DEC-2009 21:27:49	Bright	43.000	28	12Bet Tau	1.6500	15200.	86	40850	No
119	GOM_TRA_1PNPDE20091222_213104_000000432085_00215_40850_0008.N1	22-DEC-2009 21:31:04	Bright	42.500	107	37The Aur	2.6490	11000.	85	40850	No
120	GOM_TRA_1PNPDE20091222_213244_000000472085_00215_40850_0009.N1	22-DEC-2009 21:32:44	Bright	47.000	6	13Alp Aur	0.080000	3400.0	94	40850	No
121	GOM_TRA_1PNPDE20091222_214912_000000412085_00215_40850_0010.N1	22-DEC-2009 21:49:12	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	40850	No
122	GOM_TRA_1PNPDE20091222_215329_000000492085_00215_40850_0011.N1	22-DEC-2009 21:53:29	Bright	49.000	32	77Eps UMa	1.7630	11000.	98	40850	No
123	GOM_TRA_1PNPDE20091222_215621_000000612085_00215_40850_0012.N1	22-DEC-2009 21:56:21	Bright	61.000	39	85Eta UMa	1.8540	24000.	122	40850	No
124	GOM_TRA_1PNPDE20091222_215958_000000572085_00215_40850_0013.N1	22-DEC-2009 21:59:58	Bright	57.000	180	27Gam Boo	3.0400	8000.0	114	40850	No
125	GOM_TRA_1PNPDE20091222_220320_000000362085_00215_40850_0014.N1	22-DEC-2009 22:03:20	Bright	35.500	83		2.3780	11000.	71	40850	No
126	GOM_TRA_1PNPDE20091222_220656_000000652085_00215_40850_0015.N1	22-DEC-2009 22:06:56	Bright	64.500	111	8Eta Boo	2.6800	6000.0	129	40850	No
127	GOM_TRA_1PNPDE20091222_221741_000000562085_00215_40850_0018.N1	22-DEC-2009 22:17:41	Tw_i_and_stray	56.000	15	67Alp Vir	0.97600	28000.	112	40850	No
128	GOM_TRA_1PNPDE20091222_222216_000000492085_00215_40850_0019.N1	22-DEC-2009 22:22:16	Dark	48.500	54	5The Cen	2.0550	4500.0	97	40850	No

129	GOM_TRA_1PNPDE20091222_222417_000000582085_00215_40850_0020.N1	22-DEC-2009 22:24:17	Dark	57.500	106	9Bet Crv	2.6480	5600.0	115	40850	No
130	GOM_TRA_1PNPDE20091222_223406_000000492085_00216_40851_0021.N1	22-DEC-2009 22:34:06	Dark	49.000	113	Mu Vel	2.6920	5000.0	98	40851	No
131	GOM_TRA_1PNPDE20091222_223724_000000412085_00216_40851_0022.N1	22-DEC-2009 22:37:24	Dark	41.000	71	lot Car	2.2460	7700.0	82	40851	No
132	GOM_TRA_1PNPDE20091222_223911_000000482085_00216_40851_0023.N1	22-DEC-2009 22:39:11	Dark	48.000	41	Eps Car	1.8600	4100.0	96	40851	No
133	GOM_TRA_1PNPDE20091222_224210_000000492085_00216_40851_0024.N1	22-DEC-2009 22:42:10	Dark	48.500	34	Gam2Vel	1.7930	23000.	97	40851	No
134	GOM_TRA_1PNPDE20091222_224421_000000512085_00216_40851_0025.N1	22-DEC-2009 22:44:21	Dark	51.000	70	Zet Pup	2.2460	39000.	102	40851	No
135	GOM_TRA_1PNPDE20091222_224646_000000522085_00216_40851_0026.N1	22-DEC-2009 22:46:46	Dark	51.500	117	Pi Pup	2.7060	3800.0	103	40851	No
136	GOM_TRA_1PNPDE20091222_224948_000000512085_00216_40851_0027.N1	22-DEC-2009 22:49:48	Straylight	50.500	23	21Eps CMa	1.5020	26000.	101	40851	No
137	GOM_TRA_1PNPDE20091222_225129_000000492085_00216_40851_0028.N1	22-DEC-2009 22:51:29	Straylight	49.000	179	24Omi2CMa	3.0320	24000.	98	40851	No
138	GOM_TRA_1PNPDE20091222_225413_000000532085_00216_40851_0029.N1	22-DEC-2009 22:54:13	Straylight	53.000	1	9Alp CMa	-1.4400	11000.	106	40851	No
139	GOM_TRA_1PNPDE20091222_225723_000000472085_00216_40851_0030.N1	22-DEC-2009 22:57:23	Straylight	46.500	7	19Bet Ori	0.10000	14000.	93	40851	No
140	GOM_TRA_1PNPDE20091222_225926_000000452085_00216_40851_0031.N1	22-DEC-2009 22:59:26	Straylight	45.000	30	46Eps Ori	1.6940	30000.	90	40851	No
141	GOM_TRA_1PNPDE20091222_230216_000000542085_00216_40851_0032.N1	22-DEC-2009 23:02:16	Twilight_stray	53.500	14	58Alp Ori	0.87000	3000.0	107	40851	No
142	GOM_TRA_1PNPDE20091222_230620_000000432085_00216_40851_0033.N1	22-DEC-2009 23:06:20	Bright	42.500	176	23Zet Tau	3.0200	22000.	85	40851	No
143	GOM_TRA_1PNPDE20091222_230825_000000422085_00216_40851_0034.N1	22-DEC-2009 23:08:25	Bright	42.000	28	12Bet Tau	1.6500	15200.	84	40851	No
144	GOM_TRA_1PNPDE20091222_231140_000000612085_00216_40851_0035.N1	22-DEC-2009 23:11:40	Bright	61.000	107	37The Aur	2.6490	11000.	122	40851	No
145	GOM_TRA_1PNPDE20091222_231320_000000452085_00216_40851_0036.N1	22-DEC-2009 23:13:20	Bright	44.500	6	13Alp Aur	0.080000	3400.0	89	40851	No
146	GOM_TRA_1PNPDE20091222_232949_000000382085_00216_40851_0037.N1	22-DEC-2009 23:29:49	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	40851	No
147	GOM_TRA_1PNPDE20091222_233404_000000432085_00216_40851_0038.N1	22-DEC-2009 23:34:04	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	40851	No
148	GOM_TRA_1PNPDE20091222_233657_000000612085_00216_40851_0039.N1	22-DEC-2009 23:36:57	Bright	61.000	39	85Eta UMa	1.8540	24000.	122	40851	No
149	GOM_TRA_1PNPDE20091222_234033_000000572085_00216_40851_0040.N1	22-DEC-2009 23:40:33	Bright	57.000	180	27Gam Boo	3.0400	8000.0	114	40851	No
150	GOM_TRA_1PNPDE20091222_234356_000000552085_00216_40851_0041.N1	22-DEC-2009 23:43:56	Bright	54.500	83		2.3780	11000.	109	40851	No
151	GOM_TRA_1PNPDE20091222_234733_000000442085_00216_40851_0042.N1	22-DEC-2009 23:47:33	Bright	43.500	111	8Eta Boo	2.6800	6000.0	87	40851	No
152	GOM_TRA_1PNPDE20091222_235817_000000552085_00216_40851_0038.N1	22-DEC-2009 23:58:17	Twilight_stray	55.000	15	67Alp Vir	0.97600	28000.	110	40851	No

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



4. Overview of dark signal processing per product

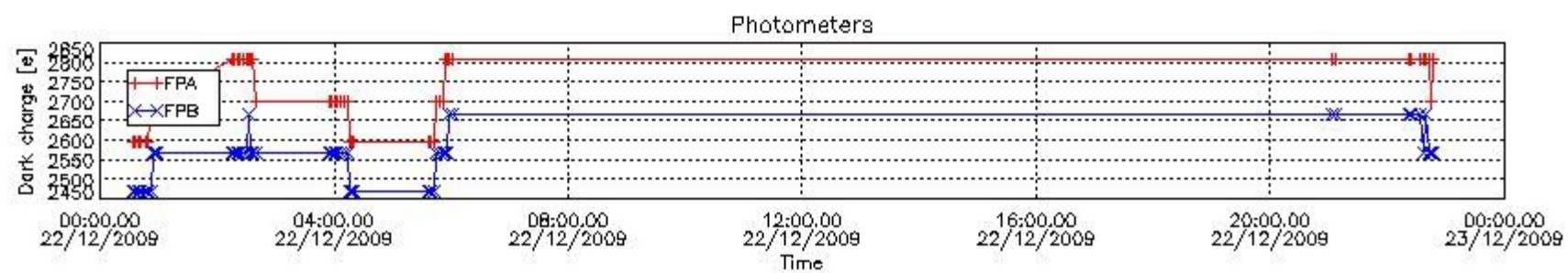
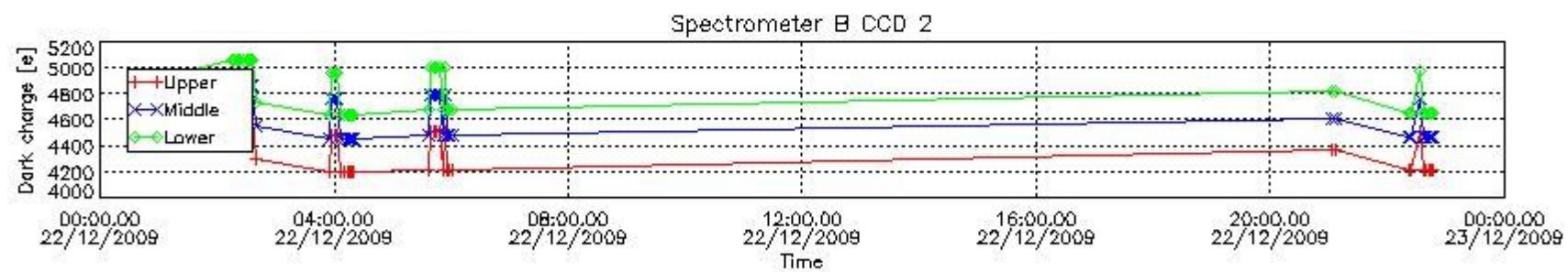
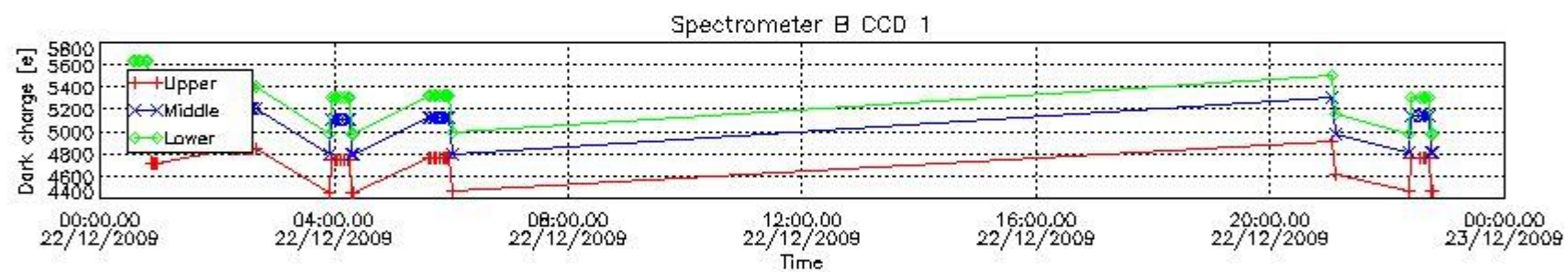
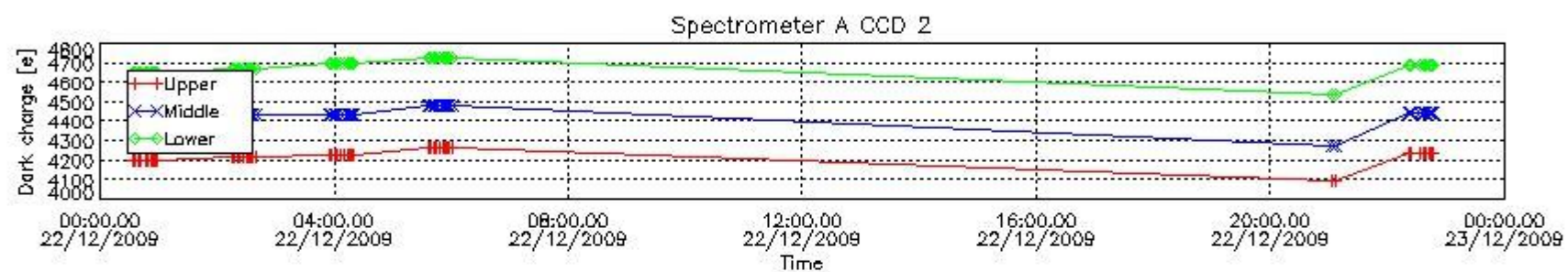
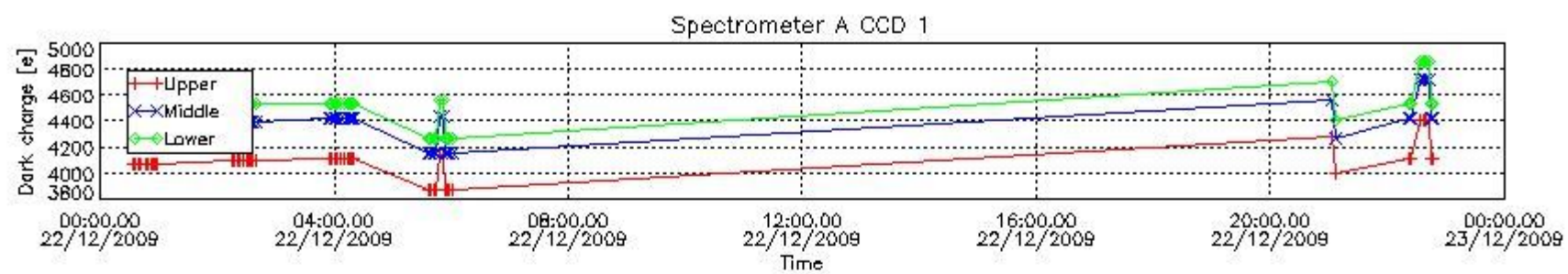
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20091222_210344_000000502085_00215_40850_9998.N1	DC map used
GOM_TRA_1PNPDE20091222_210610_000000502085_00215_40850_9999.N1	DC map used
GOM_TRA_1PNPDE20091222_210912_000000502085_00215_40850_0000.N1	DC map used
GOM_TRA_1PNPDE20091222_211053_000000512085_00215_40850_0001.N1	DC map used
GOM_TRA_1PNPDE20091222_211338_000000562085_00215_40850_0002.N1	DC map used
GOM_TRA_1PNPDE20091222_211647_000000462085_00215_40850_0003.N1	DC map used
GOM_TRA_1PNPDE20091222_211851_000000452085_00215_40850_0004.N1	DC map used
GOM_TRA_1PNPDE20091222_212140_000000522085_00215_40850_0005.N1	DC map used
GOM_TRA_1PNPDE20091222_212544_000000442085_00215_40850_0006.N1	DC map used
GOM_TRA_1PNPDE20091222_212749_000000432085_00215_40850_0007.N1	DC map used
GOM_TRA_1PNPDE20091222_213104_000000432085_00215_40850_0008.N1	DC map used
GOM_TRA_1PNPDE20091222_213244_000000472085_00215_40850_0009.N1	DC map used
GOM_TRA_1PNPDE20091222_214912_000000412085_00215_40850_0010.N1	DC map used
GOM_TRA_1PNPDE20091222_215329_000000492085_00215_40850_0011.N1	DC map used
GOM_TRA_1PNPDE20091222_215621_000000612085_00215_40850_0012.N1	DC map used
GOM_TRA_1PNPDE20091222_215958_000000572085_00215_40850_0013.N1	DC map used
GOM_TRA_1PNPDE20091222_220320_000000362085_00215_40850_0014.N1	DC map used
GOM_TRA_1PNPDE20091222_220656_000000652085_00215_40850_0015.N1	DC map used

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



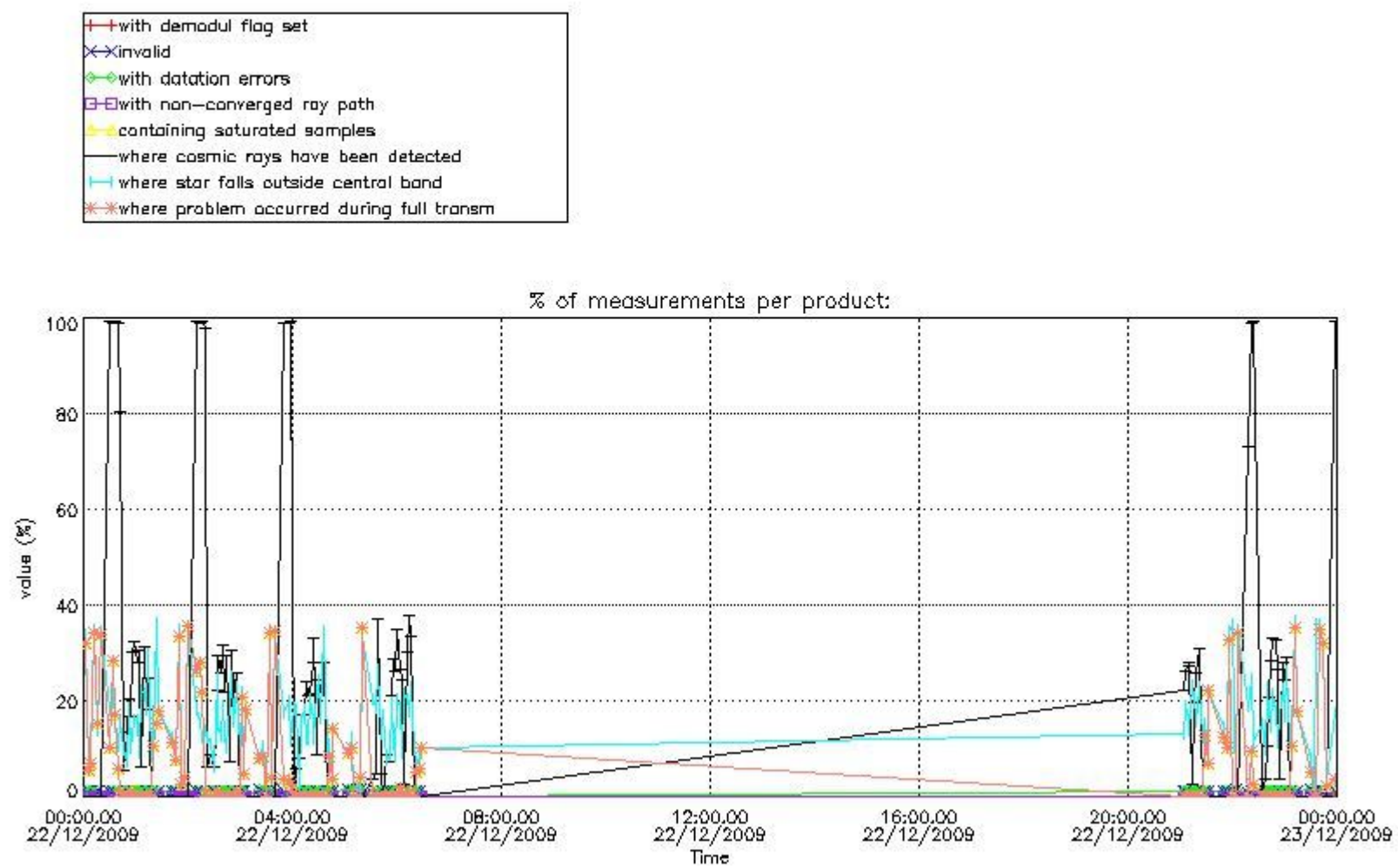
5. Demodulation flag and quality information monitoring

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.

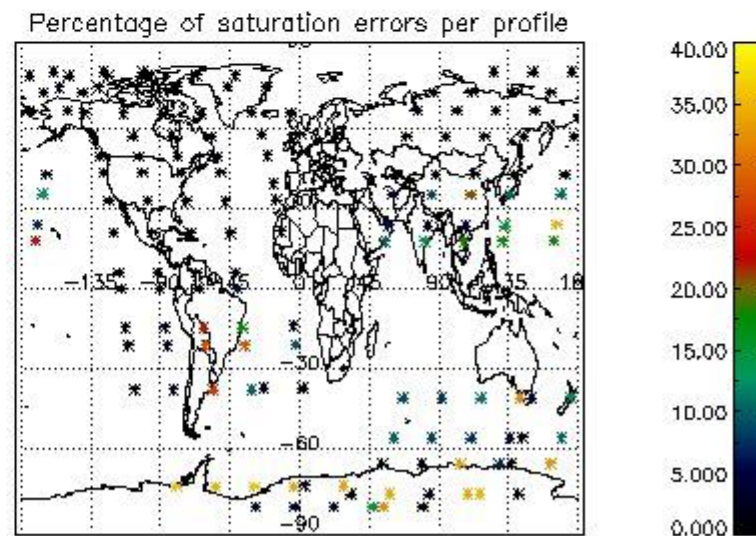
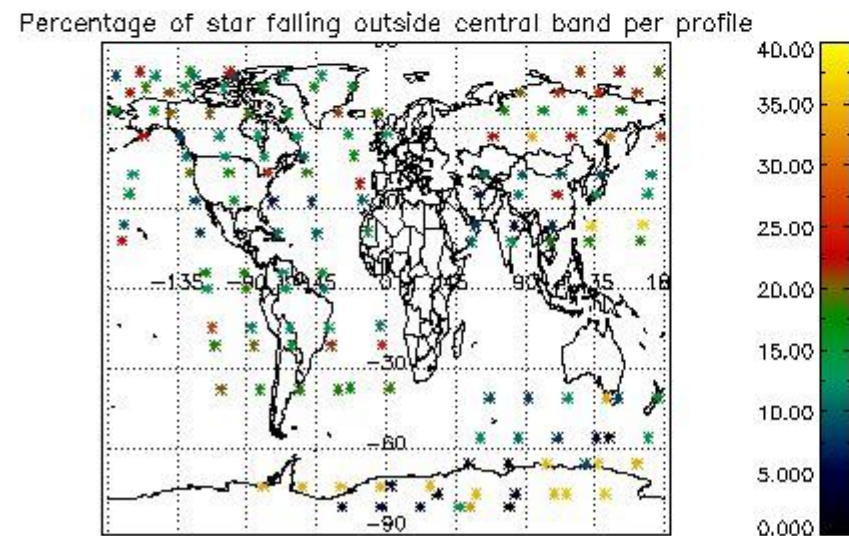
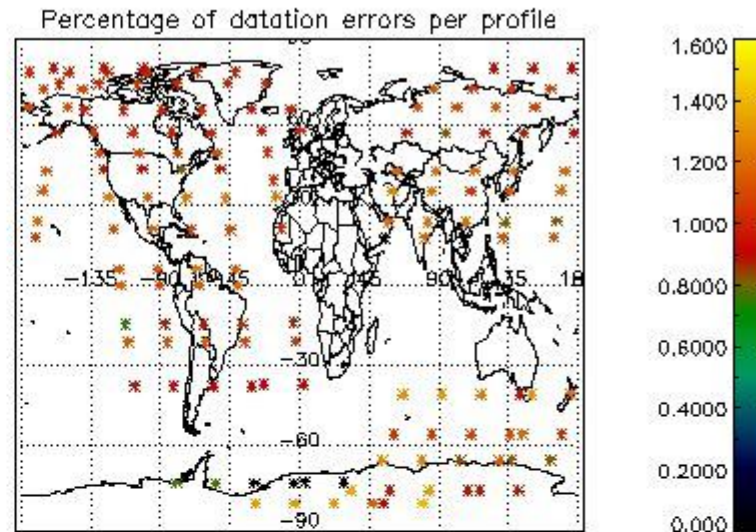
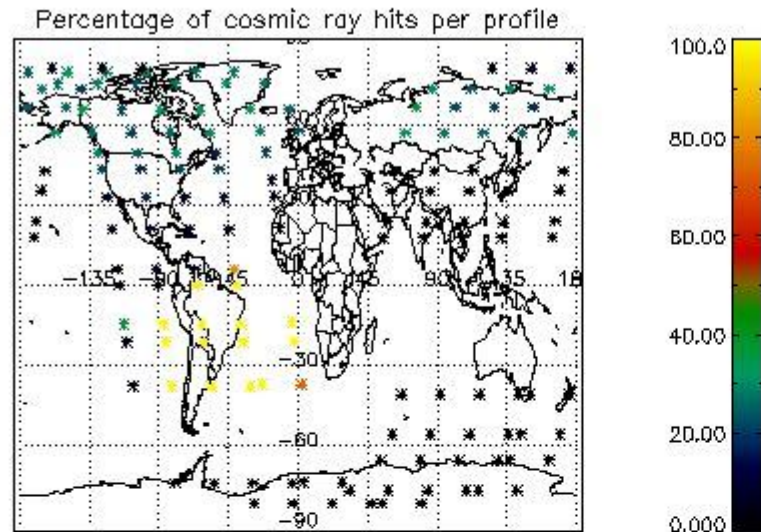
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	48.6842 %
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)



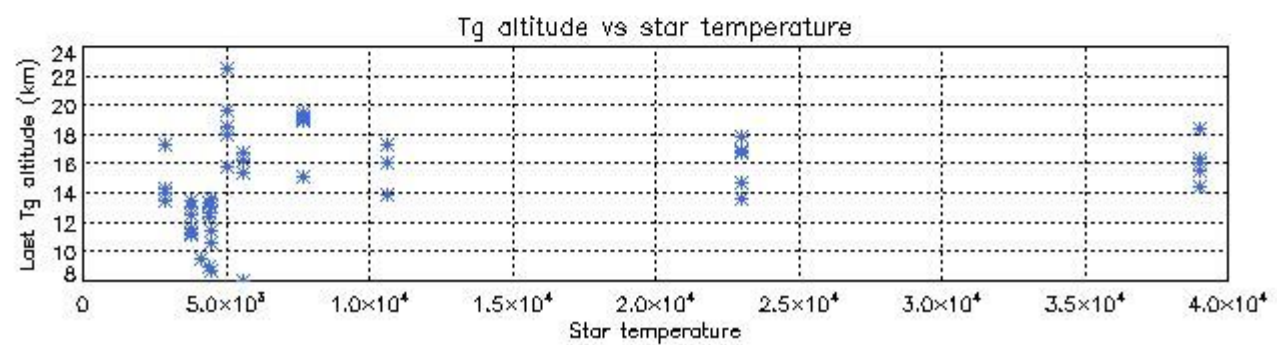
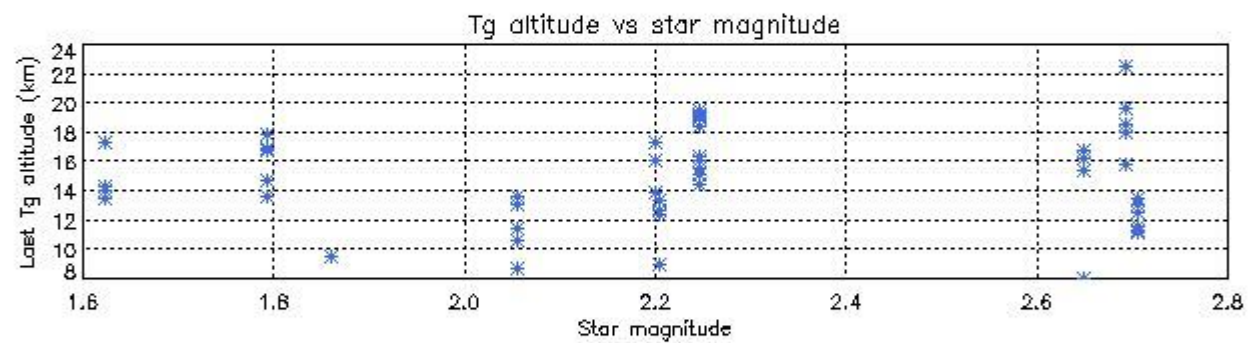
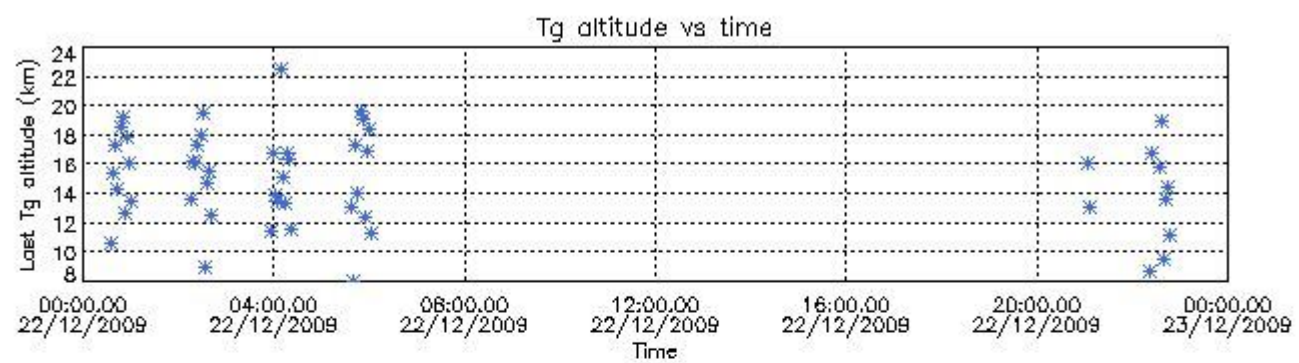
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.935	14.595	NaN
St. deviation:	3.1711	7.1622	NaN
Maximum:	22.478	27.656	NaN
Minimum:	8.0205	3.6042	NaN
Number of data:	50.000	60.000	NaN

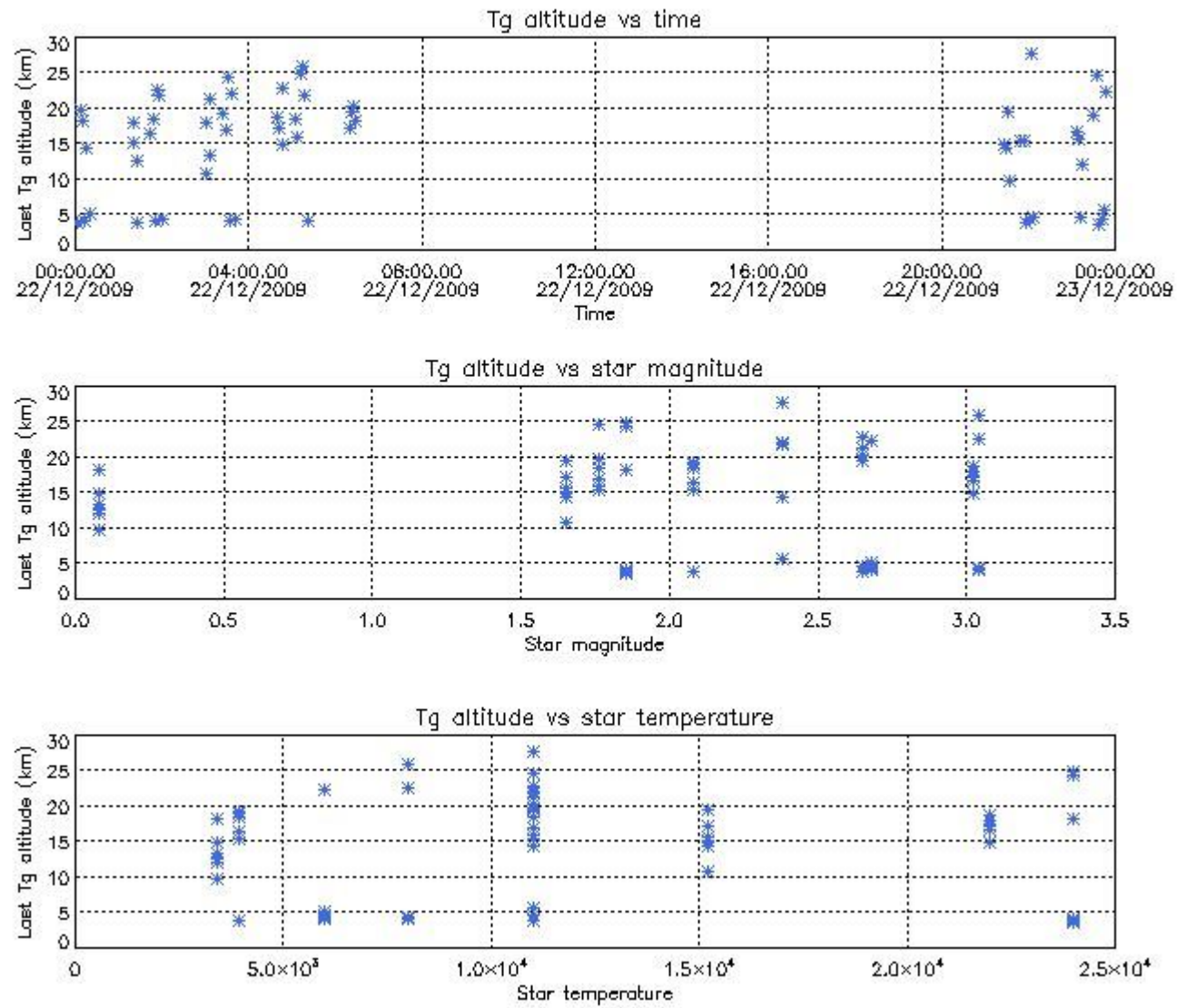
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

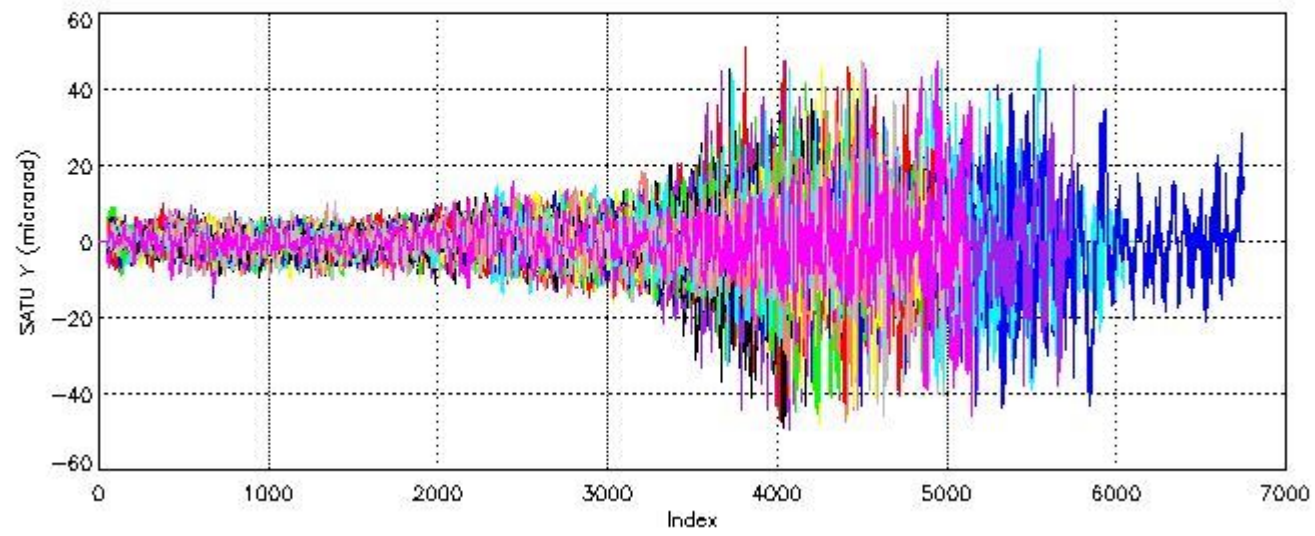
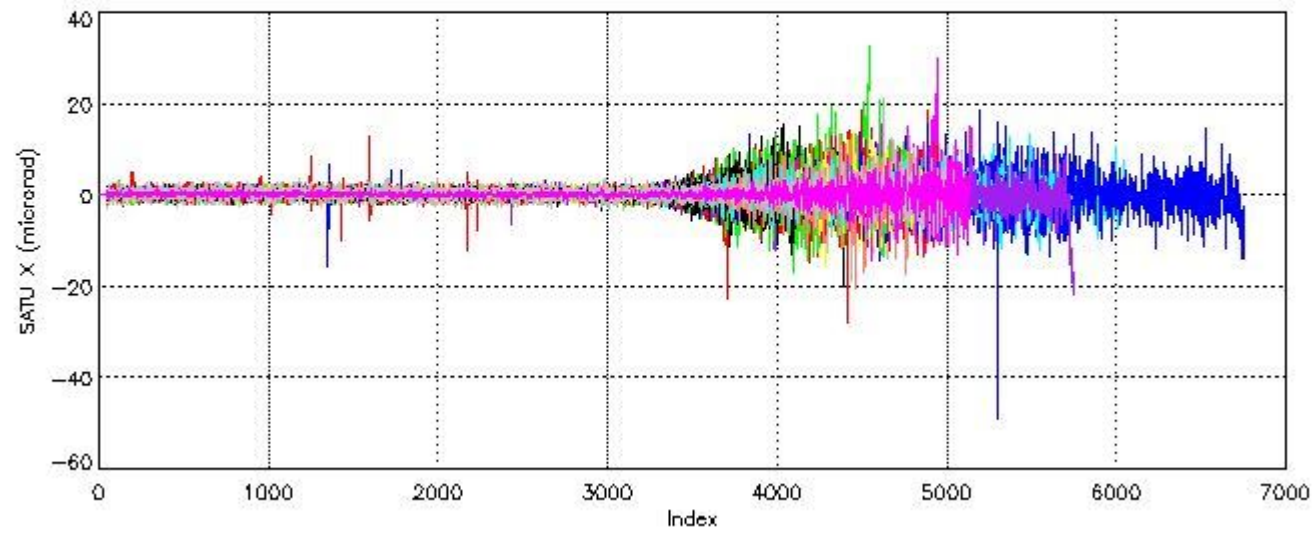


7. Star Acquisition and Tracking Unit (SATU)

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:	0.21561	-0.12905	0.17267	-0.18895
St. deviation:	0.49417	2.3807	0.80128	2.5209
Maximum:	4.8000	9.8000	6.4000	12.400
Minimum:	-3.1000	-14.700	-5.8000	-12.600

Number of data:	51800.	51800.	57200.	57200.
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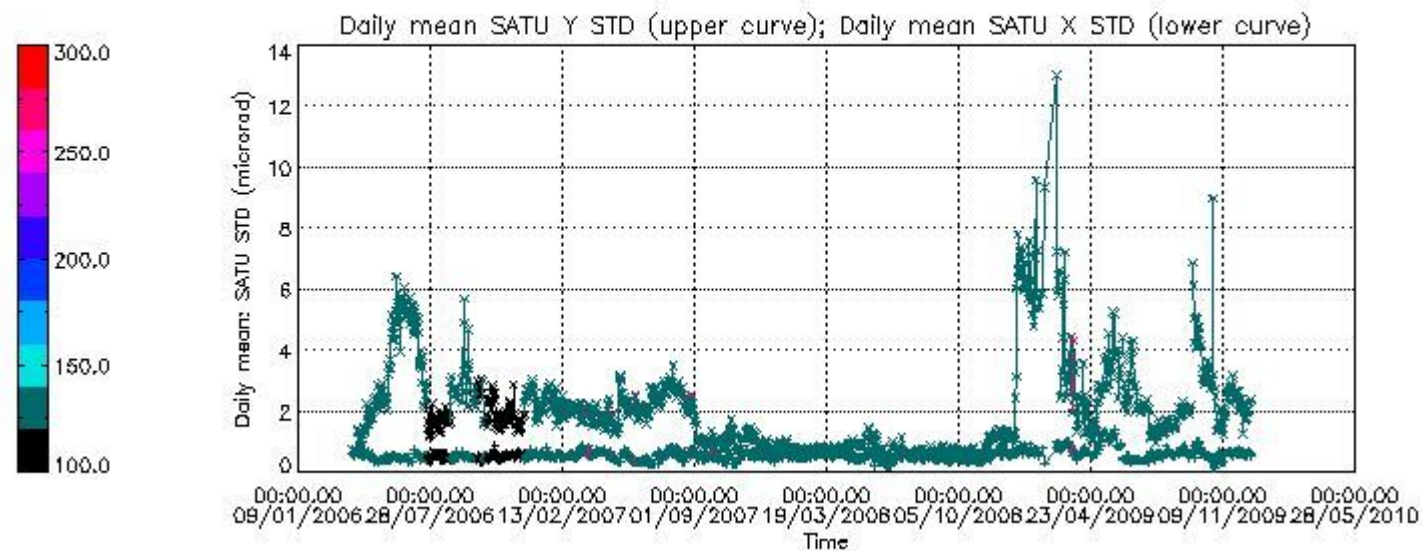
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

Upper curve: STD of SATU Y axis

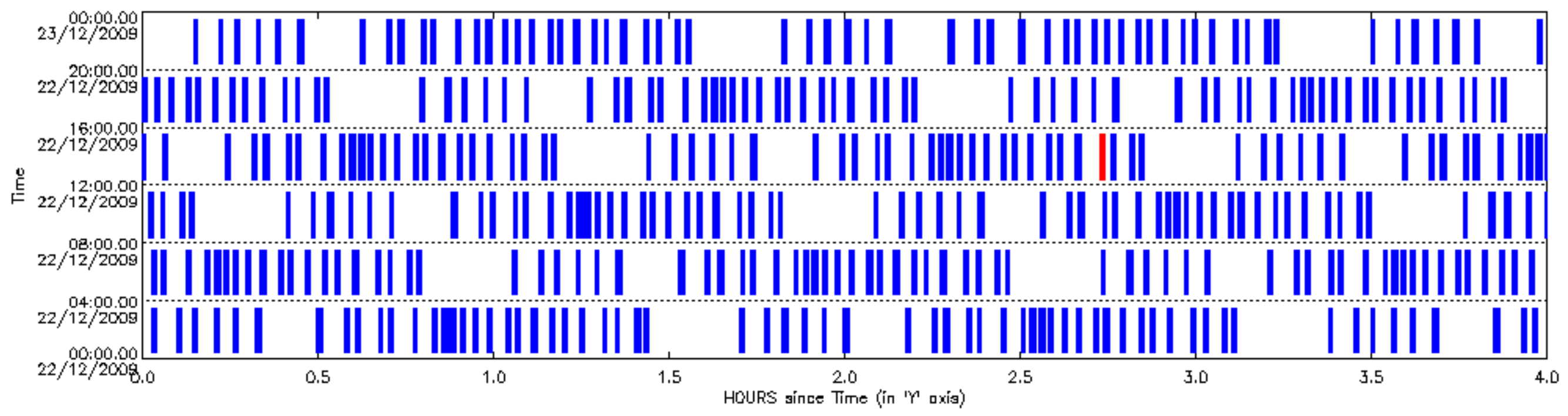
Lower curve: STD of SATU X axis

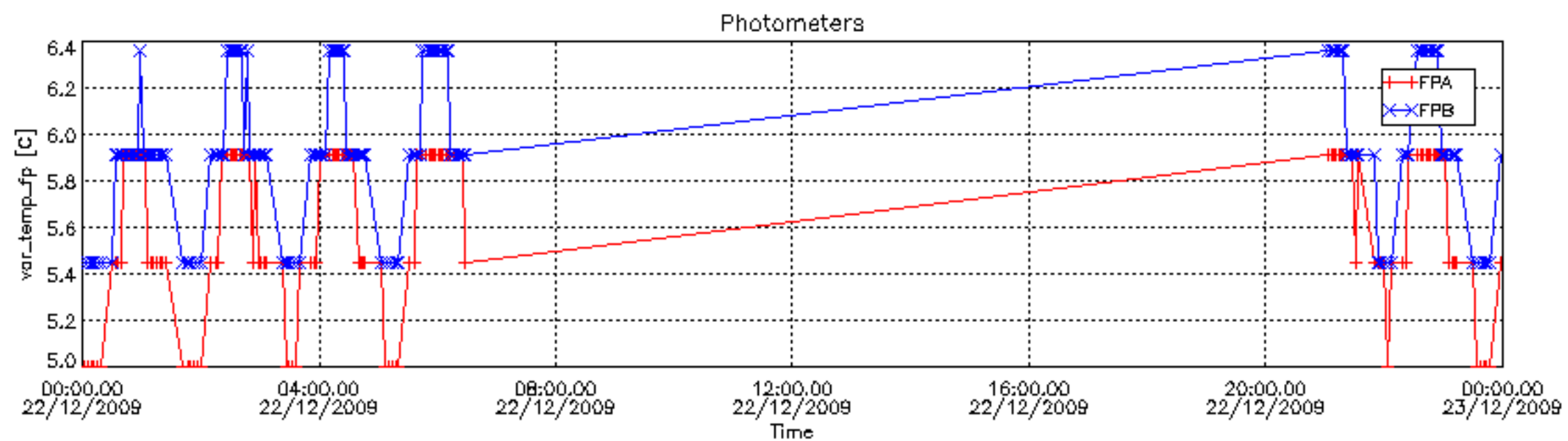
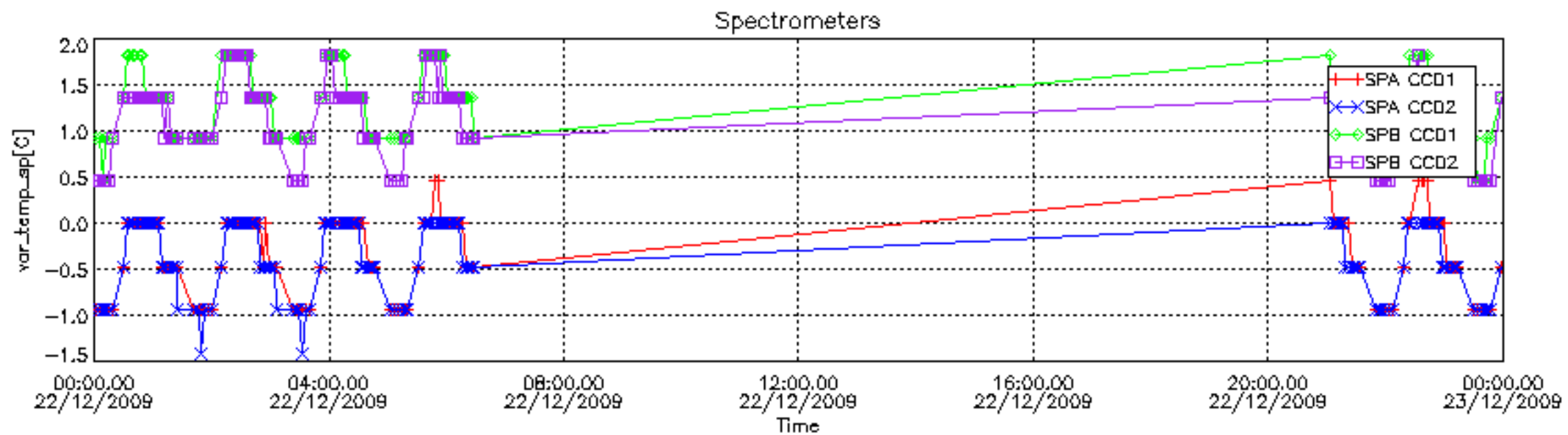


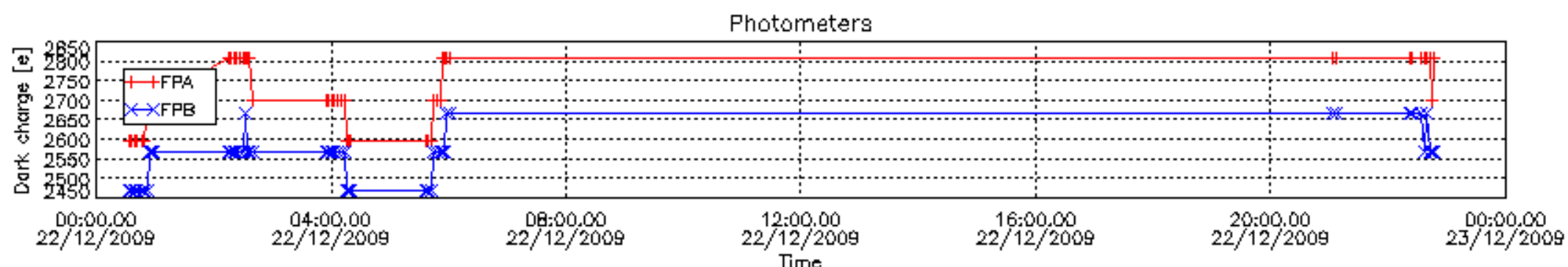
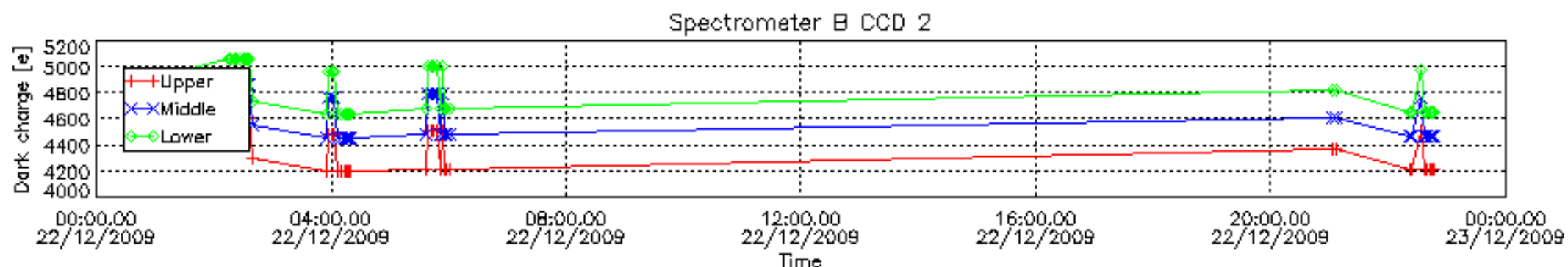
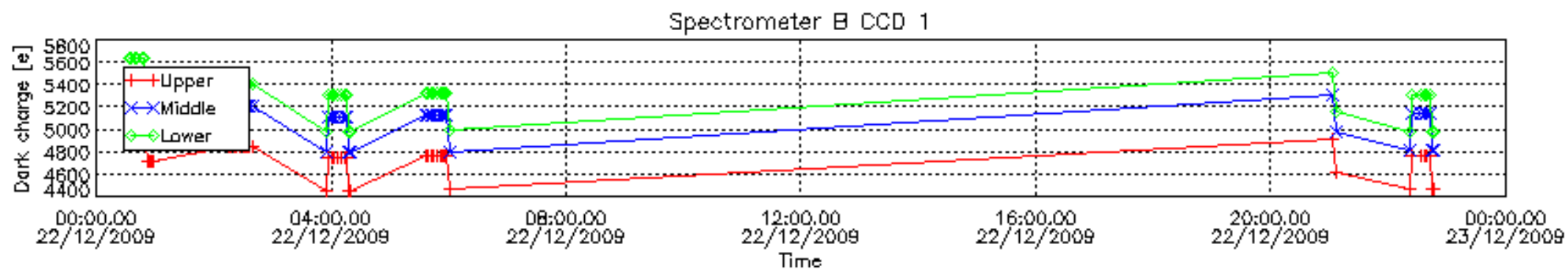
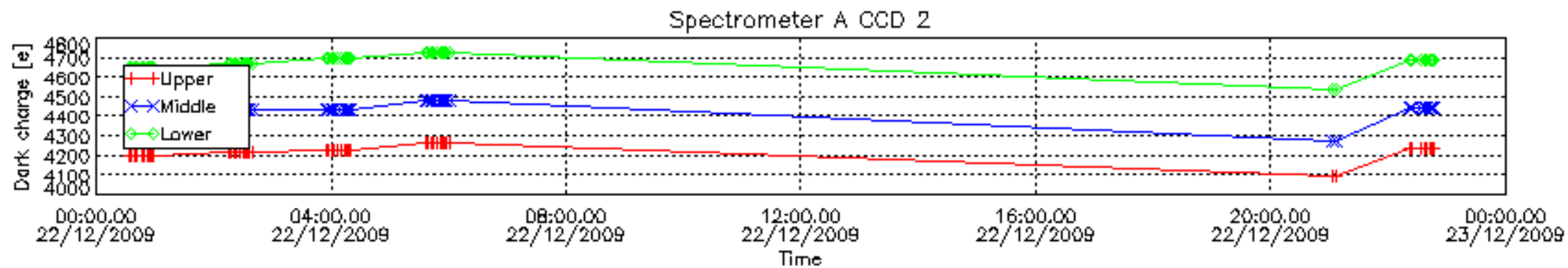
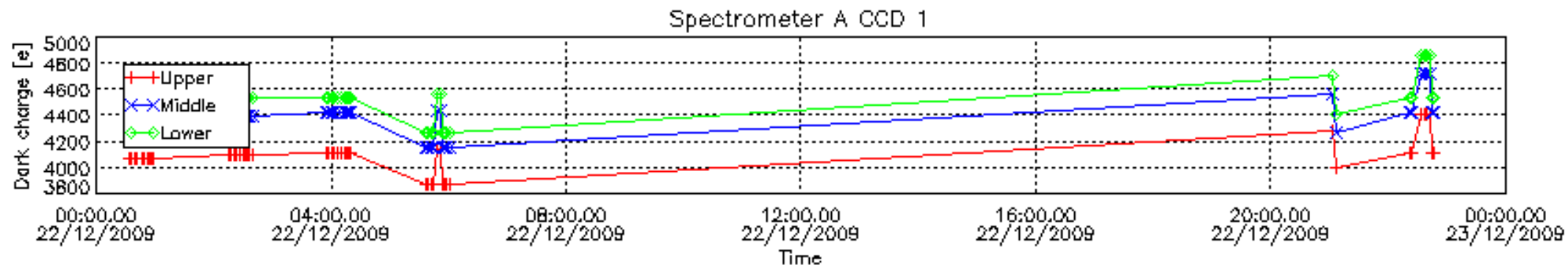
8. Auxiliary Data Files used for the production reported in section 2.4

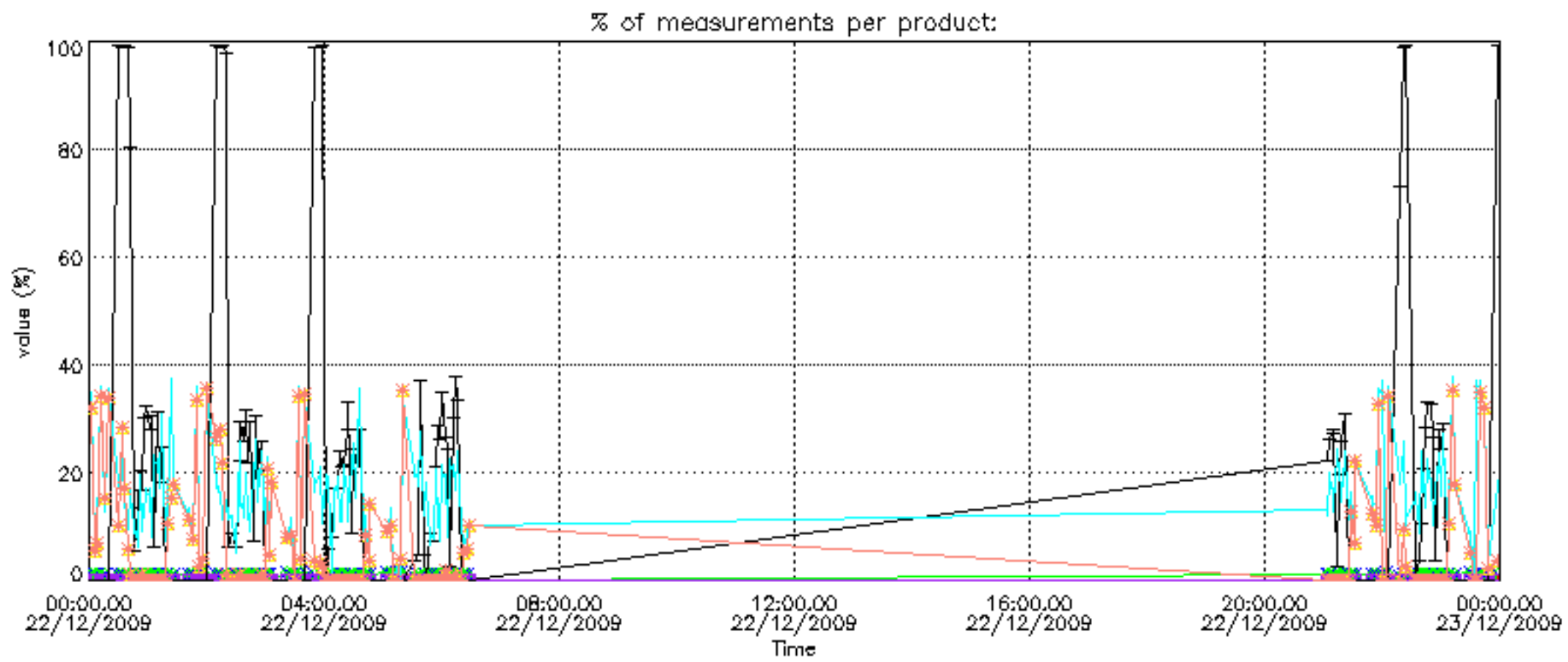
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	22-DEC-2009 00:01:26
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091214_085046_20091212_000000_20500101_000000	1	22-DEC-2009 00:01:26
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	22-DEC-2009 00:01:26
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	22-DEC-2009 00:01:26
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	22-DEC-2009 00:01:26
ECMWF_FILE	MISSING	1	22-DEC-2009 00:01:26
ECMWF_FILE	AUX_ECF_AXNECM20091222_111916_20091222_210000_20091223_090000	109	22-DEC-2009 21:03:44
OPTIONAL_ECMWF_FILE	MISSING	1	22-DEC-2009 00:01:26
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091221_224327_000057382085_00201_40836_9406.N1	1	22-DEC-2009 00:01:26
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091222_002424_000054192085_00202_40837_9407.N1	7	22-DEC-2009 00:29:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091222_020002_000044632085_00203_40838_9408.N1	34	22-DEC-2009 02:10:18
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20091219_010111_20091218_193247_20091228_205902	55	22-DEC-2009 03:22:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091222_050041_000057382085_00205_40840_9410.N1	82	22-DEC-2009 05:03:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091222_210222_000038252085_00215_40850_9411.N1	109	22-DEC-2009 21:03:44
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091222_221126_000060572085_00215_40850_9412.N1	127	22-DEC-2009 22:17:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091222_235223_000057382085_00216_40851_9413.N1	152	22-DEC-2009 23:58:17

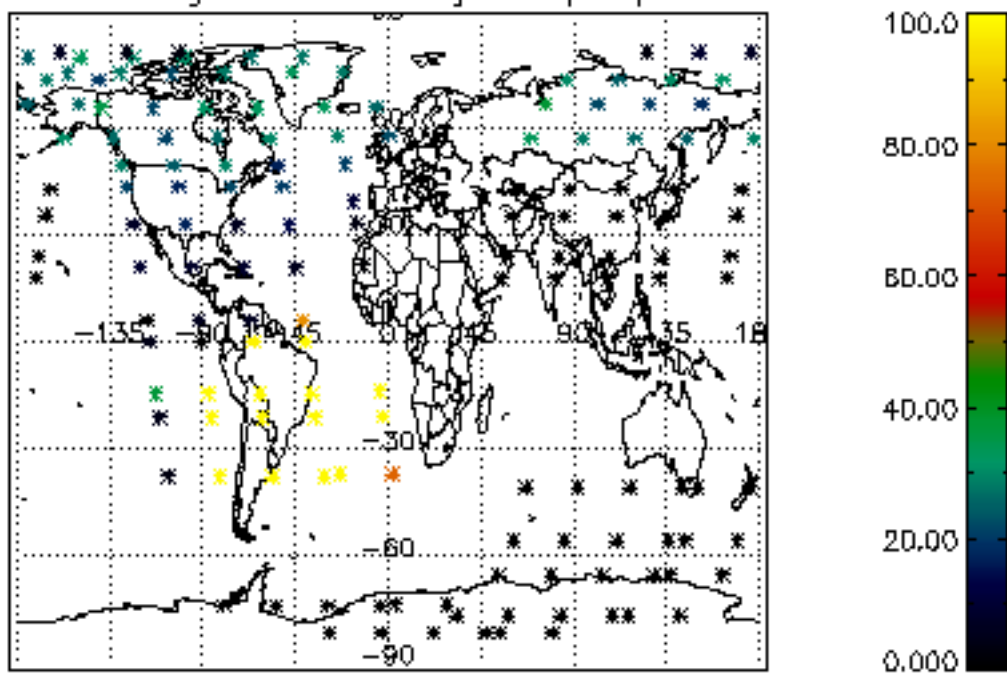




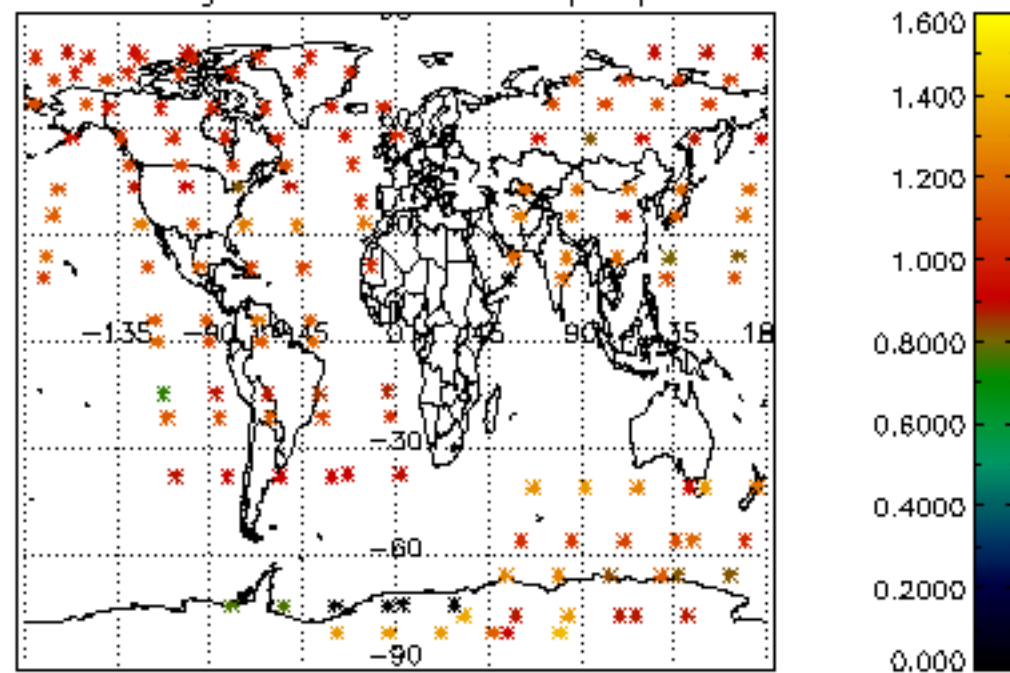




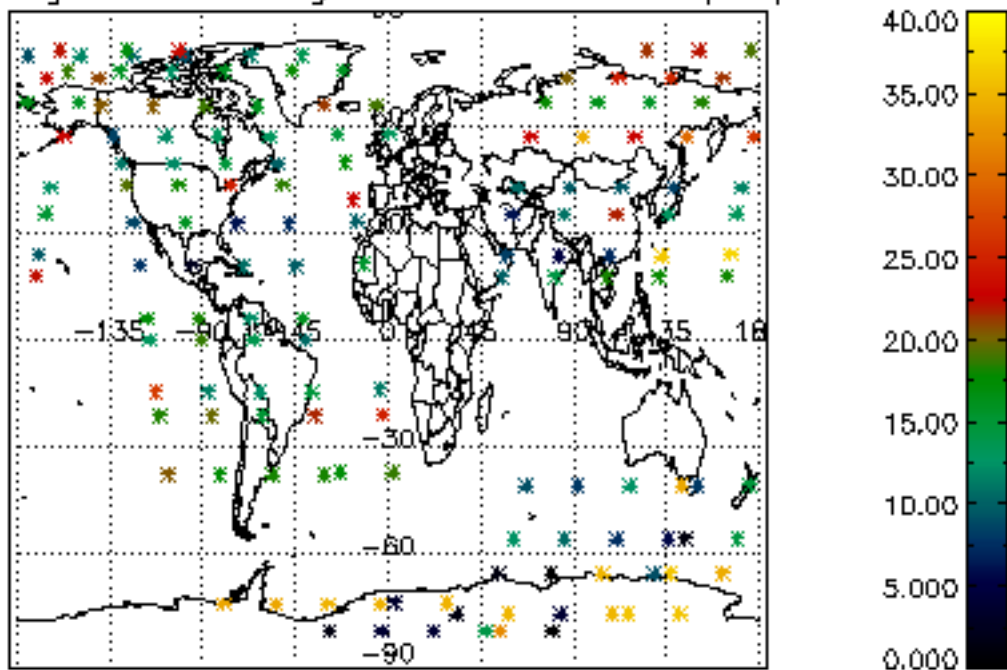
Percentage of cosmic ray hits per profile



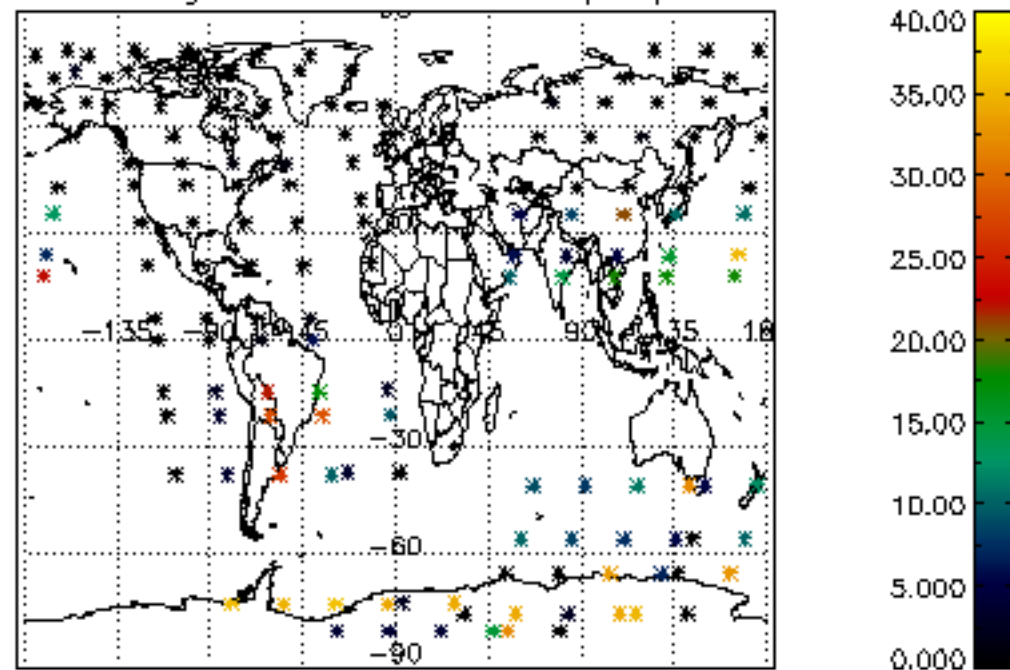
Percentage of datation errors per profile



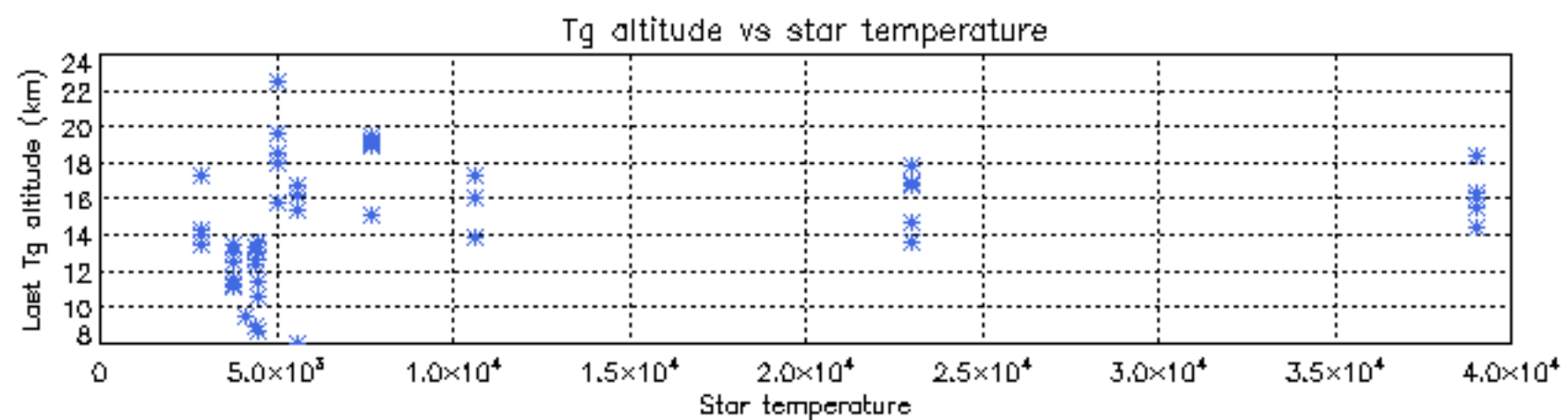
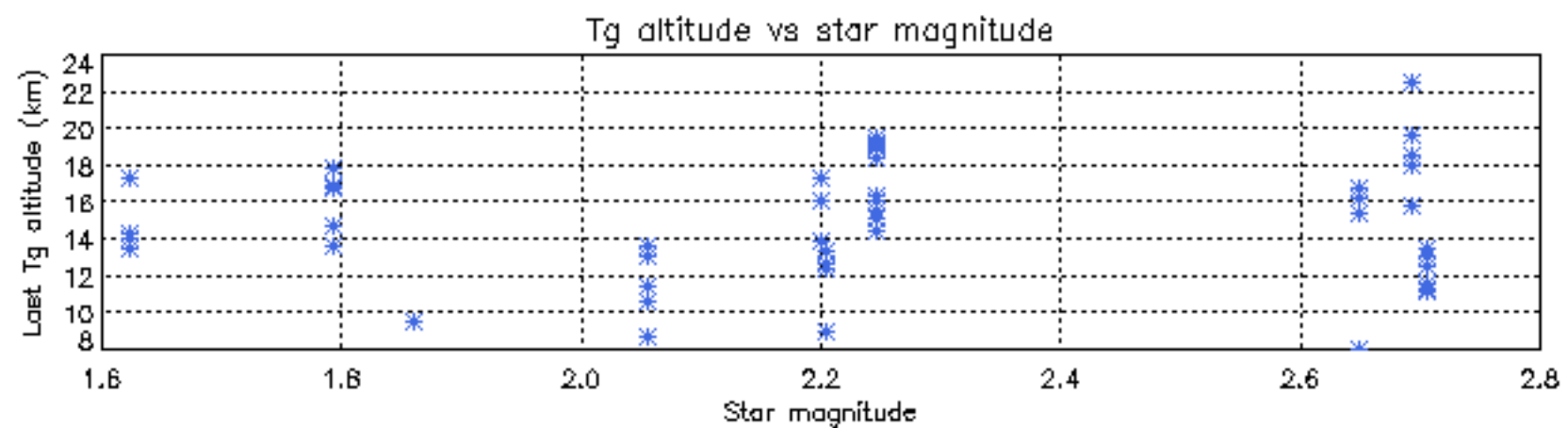
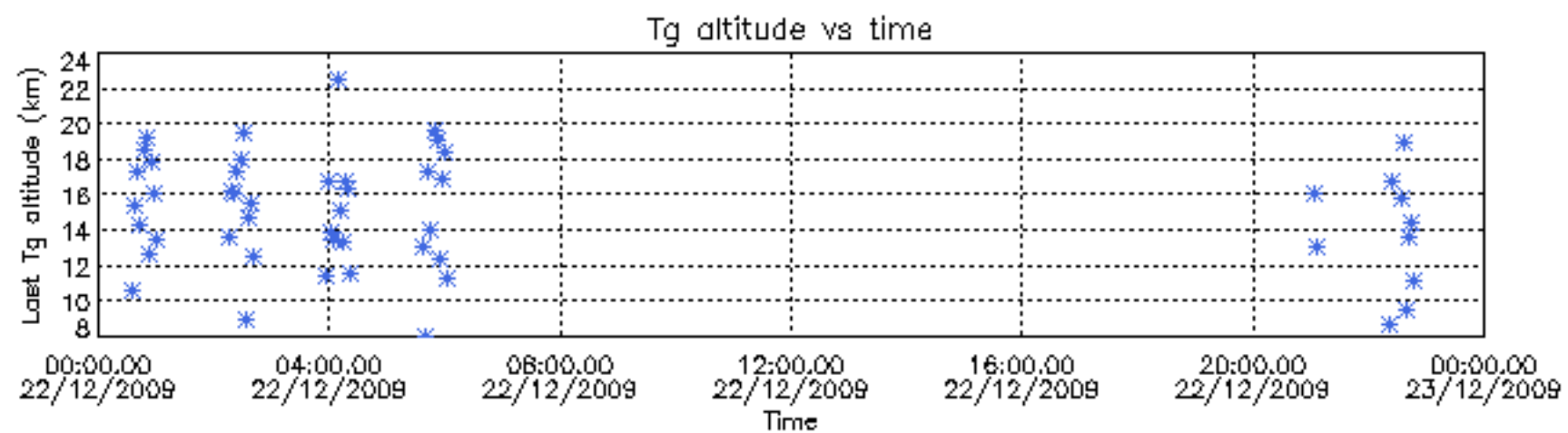
Percentage of star falling outside central band per profile



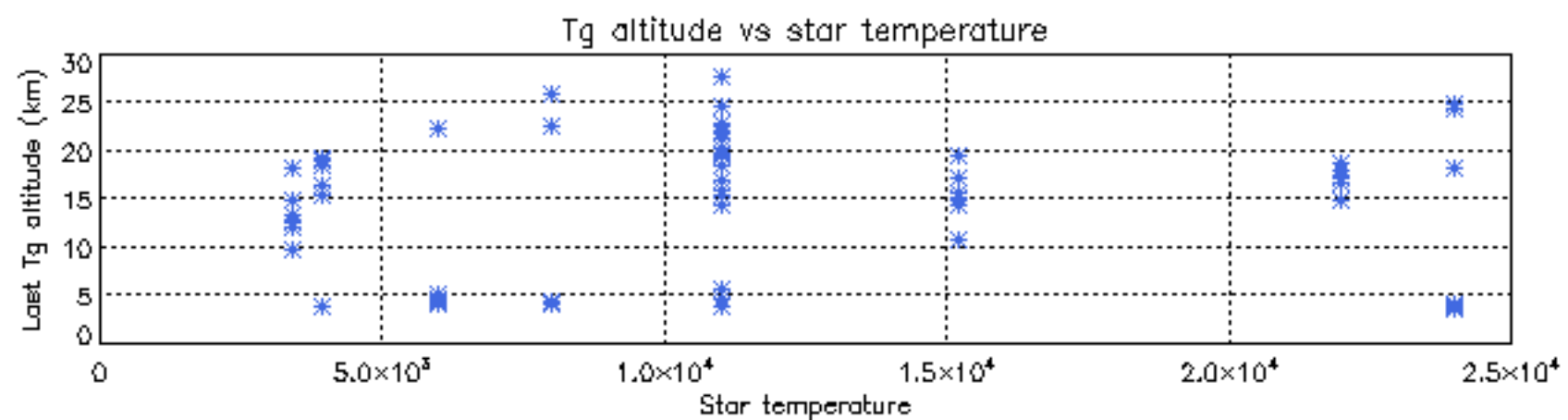
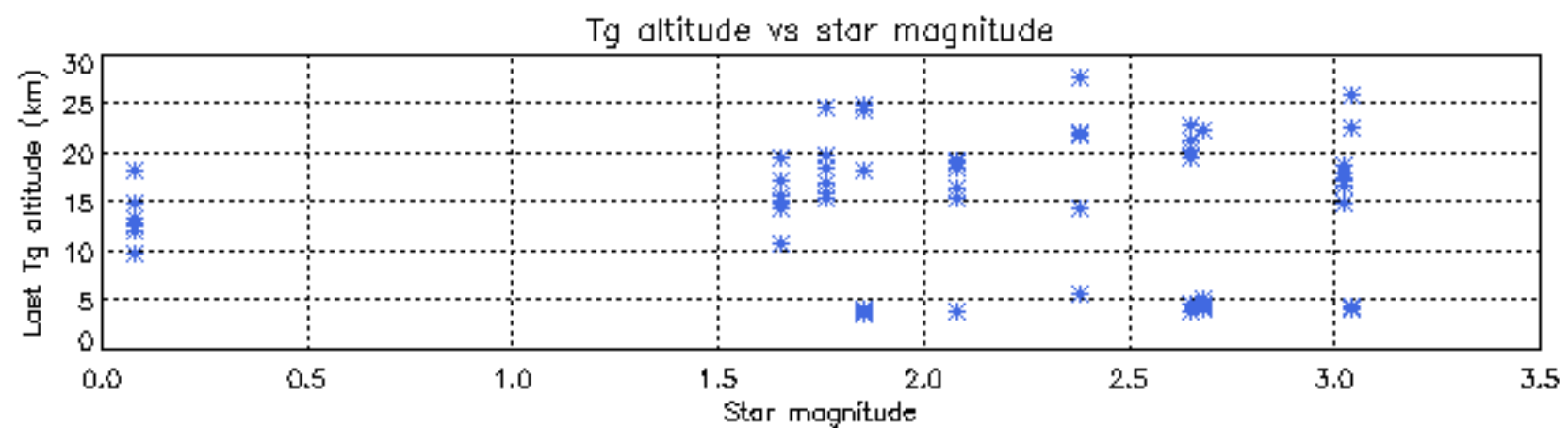
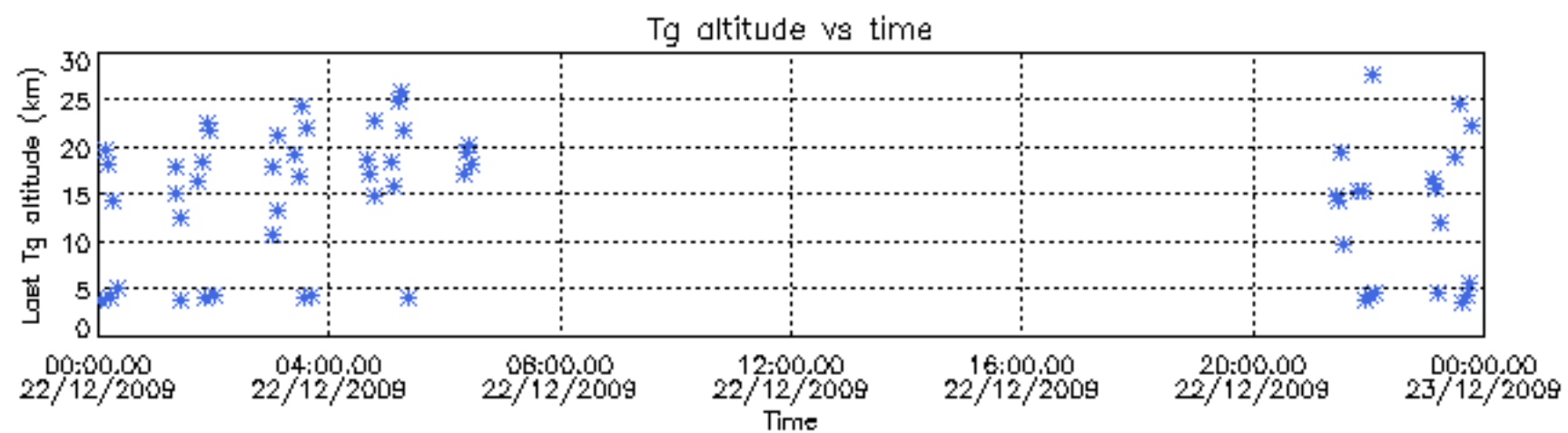
Percentage of saturation errors per profile

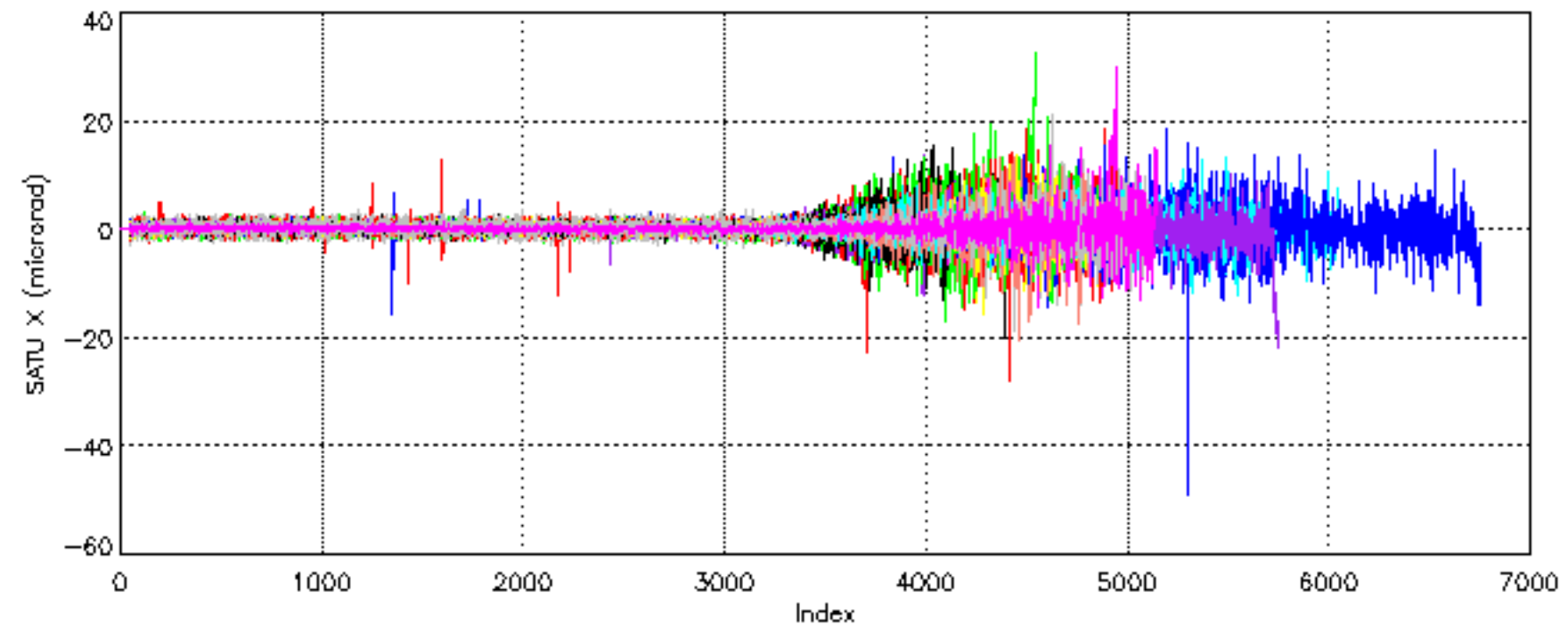


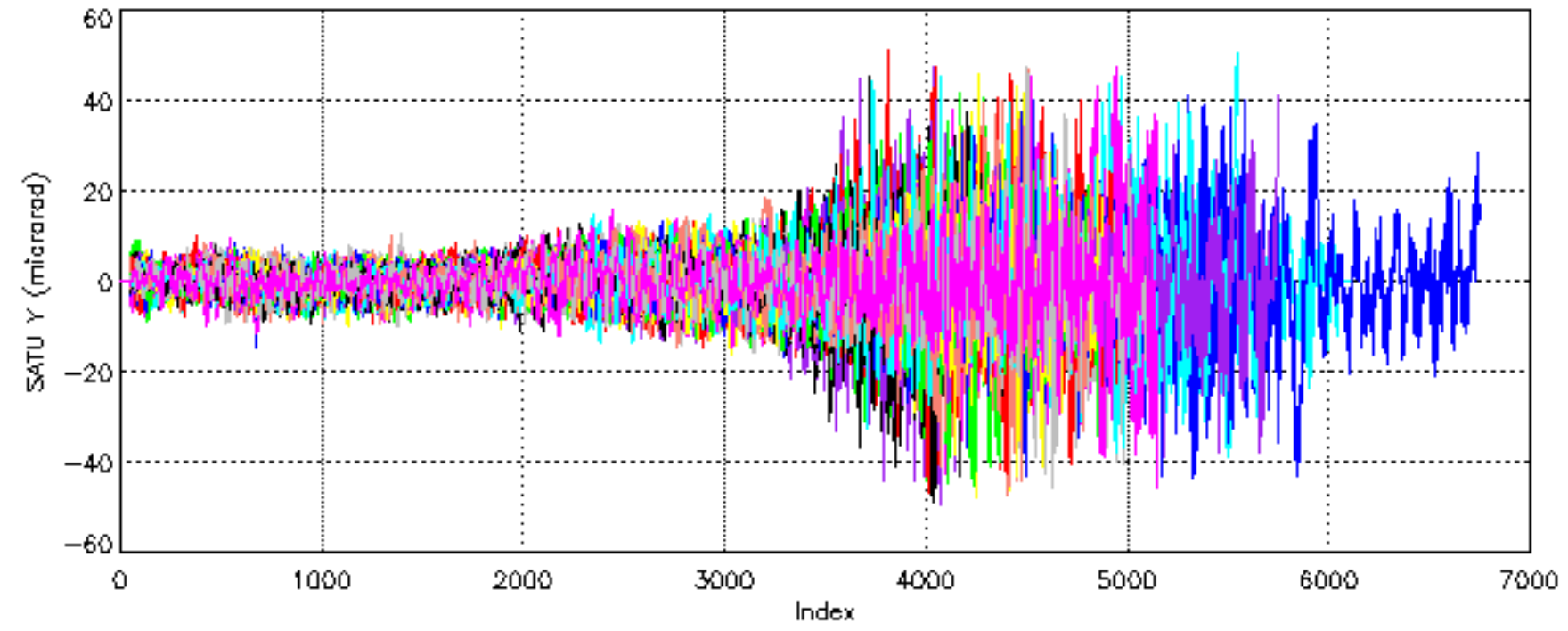
Tangent altitude at which the star is lost

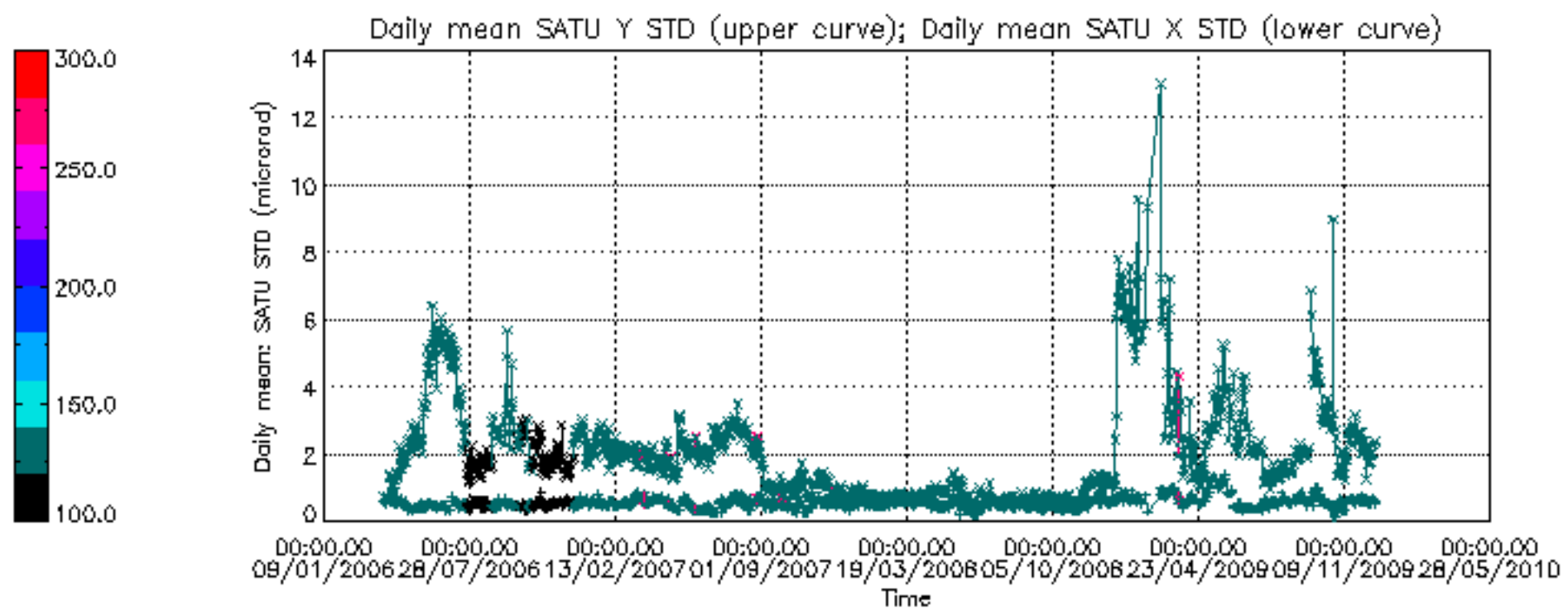


Tangent altitude at which the star is lost









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 3; 88.7; 01-DEC-2009 01:42:10; Dark ; 48.5; 113; Mu Vel ; 2.69; 5000;occ; 97; 0;40538
 4; 407.7; 01-DEC-2009 01:47:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40538
 5; 605.8; 01-DEC-2009 01:50:47; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;40538
 6; 711.5; 01-DEC-2009 01:52:32; Dark ; 57.0; 70; Zet Pup ; 2.25; 39000;occ; 114; 0;40538
 7; 919.9; 01-DEC-2009 01:56:01; Dark ; 62.0; 117; Pi Pup ; 2.71; 3800;occ; 124; 0;40538
 8; 1147.6; 01-DEC-2009 01:59:49; Dark ; 69.0; 23; 21Eps CMa ; 1.50; 26000;occ; 138; 0;40538
 9; 1535.7; 01-DEC-2009 02:06:17; Dark ; 55.0; 101; 11Alp Lep ; 2.58; 7000;occ; 110; 0;40538
 10; 1752.0; 01-DEC-2009 02:09:53; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;40538
 11; 1933.1; 01-DEC-2009 02:12:54; Dark ; 62.5; 30; 46Eps Ori ; 1.69; 30000;occ; 125; 0;40538
 12; 2096.1; 01-DEC-2009 02:15:37; Dark ; 66.0; 27; 24Gam Ori ; 1.64; 26000;occ; 132; 0;40538
 13; 2231.9; 01-DEC-2009 02:17:53; Bright; 50.0; 13; 87Alp Tau ; 0.87; 3800;occ; 100; 0;40538
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 15; 2470.7; 01-DEC-2009 02:21:52; Bright; 39.5; 150; 44Zet Per ; 2.89; 28000;occ; 79; 0;40538
 16; 2616.0; 01-DEC-2009 02:24:17; Bright; 39.5; 149; 45Eps Per ; 2.89; 30000;occ; 79; 0;40538
 17; 2847.4; 01-DEC-2009 02:28:08; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;40538
 18; 2957.0; 01-DEC-2009 02:29:58; Bright; 51.0; 42; 34Bet Aur ; 1.90; 10200;occ; 102; 0;40538
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 2; -2118.8; 01-DEC-2009 02:45:58; Bright; 47.0; 82; 48Bet UMa ; 2.37; 10600;occ; 94; 0;40538
 3; -2021.4; 01-DEC-2009 02:47:36; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;40538
 4; -1848.5; 01-DEC-2009 02:50:28; Bright; 52.0; 174; 52Psi UMa ; 3.00; 4400;occ; 104; 0;40538
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 6; -1112.5; 01-DEC-2009 03:02:44; Bright; 55.5; 62; 94Bet Leo ; 2.14; 9700;occ; 111; 0;40538
 7; -915.0; 01-DEC-2009 03:06:02; Bright; 62.0; 121; 29Gam Vir ; 2.74; 7200;occ; 124; 0;40538
 8; -574.6; 01-DEC-2009 03:11:42; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;40538
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 11; 408.5; 01-DEC-2009 03:28:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40539
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 13; 712.6; 01-DEC-2009 03:33:09; Dark ; 54.5; 70; Zet Pup ; 2.25; 39000;occ; 109; 0;40539
 14; 920.7; 01-DEC-2009 03:36:38; Dark ; 60.5; 117; Pi Pup ; 2.71; 3800;occ; 121; 0;40539
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 17; 1752.3; 01-DEC-2009 03:50:29; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;40539
 18; 1932.8; 01-DEC-2009 03:53:30; Dark ; 65.5; 30; 46Eps Ori ; 1.69; 30000;occ; 131; 0;40539
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 22; 2470.5; 01-DEC-2009 04:02:27; Bright; 39.0; 150; 44Zet Per ; 2.89; 28000;occ; 78; 0;40539
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 3; -2021.3; 01-DEC-2009 04:28:12; Bright; 56.0; 32; 77Eps UMa ; 1.76; 11000;occ; 112; 0;40539
 4; -1848.9; 01-DEC-2009 04:31:04; Bright; 52.5; 174; 52Psi UMa ; 3.00; 4400;occ; 105; 0;40539
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 8; -573.7; 01-DEC-2009 04:52:19; Dark ; 49.5; 100; 4Gam Crv ; 2.58; 13100;occ; 99; 0;40539
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 10; 90.1; 01-DEC-2009 05:03:23; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;40540
 11; 409.3; 01-DEC-2009 05:08:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40540
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 19; 2095.2; 01-DEC-2009 05:36:48; Dark ; 60.5; 27; 24Gam Ori ; 1.64; 26000;occ; 121; 0;40540
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 21; 2328.3; 01-DEC-2009 05:40:41; Bright; 38.5; 146; 25Eta Tau ; 2.87; 15200;occ; 77; 0;40540


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22; 2470.1; 01-DEC-2009 05:43:03; Bright; 38.0; 150; 44Zet Per ; 2.89; 28000;occ; 76; 0;40540
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4; 1751.3; 01-DEC-2009 20:36:27; Dark ; 58.0; 7; 19Bet Ori ; 0.10; 14000;occ; 116; 0;40549
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9; 2613.2; 01-DEC-2009 20:50:49; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;40549
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11; 2946.7; 01-DEC-2009 20:56:23; Bright; 51.0; 42; 34Bet Aur ; 1.90; 10200;occ; 102; 0;40549
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13; 3913.1; 01-DEC-2009 21:12:29; Bright; 46.5; 82; 48Bet UMa ; 2.37; 10600;occ; 93; 0;40549
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16; 4348.9; 01-DEC-2009 21:19:45; Bright; 41.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 82; 0;40549
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3; 98.0; 01-DEC-2009 21:49:30; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;40550
4; 417.7; 01-DEC-2009 21:54:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40550
5; 616.5; 01-DEC-2009 21:58:09; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;40550
6; 723.9; 01-DEC-2009 21:59:56; Dark ; 56.0; 70; Zet Pup ; 2.25; 39000;occ; 112; 0;40550
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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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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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27; 7066.0; 11-DEC-2009 13:27:40; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;40687
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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
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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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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
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19; 5703.8; 11-DEC-2009 14:45:33; Dark ; 58.5; 171; 2Eps Crv ; 3.00; 4250;occ; 117; 0;40688
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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
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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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22; 6250.9; 11-DEC-2009 16:35:16; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40689
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27; 4333.8; 12-DEC-2009 22:14:06; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40707
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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
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6; 2441.4; 17-DEC-2009 07:20:18; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;40770
7; 2654.0; 17-DEC-2009 07:23:51; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;40770
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9; 3704.2; 17-DEC-2009 07:41:21; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;40770
10; 3978.5; 17-DEC-2009 07:45:55; Bright; 62.0; 32; 77Eps UMa ; 1.76; 11000;occ; 124; 0;40770
11; 4136.6; 17-DEC-2009 07:48:33; Bright; 58.0; 39; 85Eta UMa ; 1.85; 24000;occ; 116; 0;40770
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16; 5630.3; 17-DEC-2009 08:13:27; Dark ; 38.0; 163; 7Del Crv ; 2.94; 11000;occ; 76; 0;40770
17; 5707.2; 17-DEC-2009 08:14:44; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;40770
18; 5988.9; 17-DEC-2009 08:19:26; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;40770
19; 6087.8; 17-DEC-2009 08:21:04; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40770
20; 6322.3; 17-DEC-2009 08:24:59; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40770
21; 6544.5; 17-DEC-2009 08:28:41; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40770
22; 6629.0; 17-DEC-2009 08:30:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40770
23; 6826.2; 17-DEC-2009 08:33:23; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;40770
24; 6954.5; 17-DEC-2009 08:35:31; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;40770
25; 7114.6; 17-DEC-2009 08:38:11; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;40770
26; 7307.4; 17-DEC-2009 08:41:24; Dark ; 52.5; 23; 21Eps CMa ; 1.50; 26000;occ; 105; 0;40770
27; 7413.7; 17-DEC-2009 08:43:10; Dark ; 40.0; 179; 240mi2CMa ; 3.03; 24000;occ; 80; 0;40770
28; 7576.3; 17-DEC-2009 08:45:53; Dark ; 52.5; 47; 2Bet CMa ; 1.98; 28000;occ; 105; 0;40770
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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3; 2068.5; 17-DEC-2009 08:54:41; Dark ; 61.0; 14; 58Alp Ori ; 0.87; 3000;occ; 122; 0;40771
4; 2189.4; 17-DEC-2009 08:56:42; Dark ; 45.5; 13; 87Alp Tau ; 0.87; 3800;occ; 91; 0;40771
5; 2317.7; 17-DEC-2009 08:58:50; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;40771
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7; 2653.1; 17-DEC-2009 09:04:26; Bright; 43.0; 107; 37The Aur ; 2.65; 11000;occ; 86; 0;40771
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10; 3978.3; 17-DEC-2009 09:26:31; Bright; 62.0; 32; 77Eps UMa ; 1.76; 11000;occ; 124; 0;40771
11; 4136.4; 17-DEC-2009 09:29:09; Bright; 58.0; 39; 85Eta UMa ; 1.85; 24000;occ; 116; 0;40771
12; 4339.9; 17-DEC-2009 09:32:33; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;40771
13; 4534.5; 17-DEC-2009 09:35:47; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;40771
14; 4736.8; 17-DEC-2009 09:39:09; Bright; 61.0; 111; 8Eta Boo ; 2.68; 6000;occ; 122; 0;40771
15; 5341.4; 17-DEC-2009 09:49:14; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;40771
16; 5631.5; 17-DEC-2009 09:54:04; Dark ; 38.0; 163; 7Del Crv ; 2.94; 11000;occ; 76; 0;40771
17; 5708.4; 17-DEC-2009 09:55:21; Dark ; 51.0; 106; 9Bet Crv ; 2.65; 5600;occ; 102; 0;40771
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19; 6088.6; 17-DEC-2009 10:01:41; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;40771
20; 6323.4; 17-DEC-2009 10:05:36; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40771
21; 6545.1; 17-DEC-2009 10:09:18; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40771
22; 6629.7; 17-DEC-2009 10:10:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40771
23; 6826.8; 17-DEC-2009 10:13:59; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;40771
24; 6955.4; 17-DEC-2009 10:16:08; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;40771
25; 7115.1; 17-DEC-2009 10:18:48; Dark ; 52.5; 117; Pi Pup ; 2.71; 3800;occ; 105; 0;40771
26; 7307.6; 17-DEC-2009 10:22:00; Dark ; 53.5; 23; 21Eps CMa ; 1.50; 26000;occ; 107; 0;40771
27; 7414.1; 17-DEC-2009 10:23:47; Dark ; 45.0; 179; 240mi2CMa ; 3.03; 24000;occ; 90; 0;40771
28; 7576.2; 17-DEC-2009 10:26:29; Dark ; 50.0; 47; 2Bet CMa ; 1.98; 28000;occ; 100; 0;40771

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3; 2068.3; 17-DEC-2009 10:35:17; Dark ; 58.0; 14; 58Alp Ori ; 0.87; 3000;occ; 116; 0;40772
4; 2189.2; 17-DEC-2009 10:37:18; Dark ; 51.5; 13; 87Alp Tau ; 0.87; 3800;occ; 103; 0;40772
5; 2317.1; 17-DEC-2009 10:39:26; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;40772
6; 2440.6; 17-DEC-2009 10:41:29; Bright; 41.0; 28; 12Bet Tau ; 1.65; 15200;occ; 82; 0;40772
7; 2652.3; 17-DEC-2009 10:45:01; Bright; 65.0; 107; 37The Aur ; 2.65; 11000;occ; 130; 0;40772
8; 2783.6; 17-DEC-2009 10:47:12; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;40772
9; 3704.1; 17-DEC-2009 11:02:33; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;40772
10; 3978.0; 17-DEC-2009 11:07:06; Bright; 61.0; 32; 77Eps UMa ; 1.76; 11000;occ; 122; 0;40772

11; 4136.2; 17-DEC-2009 11:09:45; Bright; 58.0; 39; 85Eta UMA ; 1.85; 24000;occ; 116; 0;40772
 12; 4340.0; 17-DEC-2009 11:13:09; Bright; 52.0; 180; 27Gam Boo ; 3.04; 8000;occ; 104; 0;40772
 13; 4534.5; 17-DEC-2009 11:16:23; Bright; 54.0; 83; ; 2.38; 11000;occ; 108; 0;40772
 14; 4737.1; 17-DEC-2009 11:19:46; Bright; 41.5; 111; 8Eta Boo ; 2.68; 6000;occ; 83; 0;40772
 15; 5342.2; 17-DEC-2009 11:29:51; Dark ; 53.5; 15; 67Alp Vir ; 0.98; 28000;occ; 107; 0;40772
 16; 5632.8; 17-DEC-2009 11:34:41; Dark ; 31.0; 163; 7Del Crv ; 2.94; 11000;occ; 62; 0;40772
 17; 5709.5; 17-DEC-2009 11:35:58; Dark ; 55.5; 106; 9Bet Crv ; 2.65; 5600;occ; 111; 0;40772
 18; 5990.0; 17-DEC-2009 11:40:38; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;40772
 19; 6089.3; 17-DEC-2009 11:42:18; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;40772
 20; 6324.2; 17-DEC-2009 11:46:13; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40772
 21; 6545.8; 17-DEC-2009 11:49:54; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40772
 22; 6630.4; 17-DEC-2009 11:51:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40772
 23; 6827.3; 17-DEC-2009 11:54:36; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;40772
 24; 6955.9; 17-DEC-2009 11:56:44; Dark ; 52.0; 70; Zet Pup ; 2.25; 39000;occ; 104; 0;40772
 25; 7115.6; 17-DEC-2009 11:59:24; Dark ; 53.5; 117; Pi Pup ; 2.71; 3800;occ; 107; 0;40772
 26; 7308.0; 17-DEC-2009 12:02:36; Dark ; 53.0; 23; 21Eps CMa ; 1.50; 26000;occ; 106; 0;40772
 27; 7414.2; 17-DEC-2009 12:04:23; Dark ; 45.0; 179; 240mi2CMa ; 3.03; 24000;occ; 90; 0;40772
 28; 7576.4; 17-DEC-2009 12:07:05; Dark ; 48.5; 47; 2Bet CMa ; 1.98; 28000;occ; 97; 0;40772

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 2; 1750.9; 17-DEC-2009 12:10:35; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0;40773
 3; 1883.5; 17-DEC-2009 12:12:48; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;40773
 4; 2067.9; 17-DEC-2009 12:15:52; Dark ; 57.5; 14; 58Alp Ori ; 0.87; 3000;occ; 115; 0;40773
 5; 2189.2; 17-DEC-2009 12:17:54; Dark ; 50.0; 13; 87Alp Tau ; 0.87; 3800;occ; 100; 0;40773
 6; 2316.7; 17-DEC-2009 12:20:01; Bright; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;40773
 7; 2440.2; 17-DEC-2009 12:22:05; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;40773
 8; 2651.9; 17-DEC-2009 12:25:36; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;40773
 9; 2783.2; 17-DEC-2009 12:27:48; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;40773
 10; 3704.1; 17-DEC-2009 12:43:09; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;40773
 11; 3977.8; 17-DEC-2009 12:47:42; Bright; 43.0; 32; 77Eps UMA ; 1.76; 11000;occ; 86; 0;40773
 12; 4136.4; 17-DEC-2009 12:50:21; Bright; 58.0; 39; 85Eta UMA ; 1.85; 24000;occ; 116; 0;40773
 13; 4534.7; 17-DEC-2009 12:56:59; Bright; 54.0; 83; ; 2.38; 11000;occ; 108; 0;40773
 14; 4737.5; 17-DEC-2009 13:00:22; Bright; 42.5; 111; 8Eta Boo ; 2.68; 6000;occ; 85; 0;40773
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 16; 5634.0; 17-DEC-2009 13:15:18; Dark ; 31.0; 163; 7Del Crv ; 2.94; 11000;occ; 62; 0;40773
 17; 5710.7; 17-DEC-2009 13:16:35; Dark ; 56.5; 106; 9Bet Crv ; 2.65; 5600;occ; 113; 0;40773
 18; 5990.7; 17-DEC-2009 13:21:15; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;40773
 19; 6090.0; 17-DEC-2009 13:22:54; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40773
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 21; 6546.4; 17-DEC-2009 13:30:31; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40773
 22; 6631.2; 17-DEC-2009 13:31:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40773
 23; 6828.1; 17-DEC-2009 13:35:13; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;40773
 24; 6956.9; 17-DEC-2009 13:37:21; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40773
 25; 7116.2; 17-DEC-2009 13:40:01; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;40773
 26; 7308.5; 17-DEC-2009 13:43:13; Dark ; 53.5; 23; 21Eps CMa ; 1.50; 26000;occ; 107; 0;40773
 27; 7414.8; 17-DEC-2009 13:44:59; Dark ; 49.5; 179; 240mi2CMa ; 3.03; 24000;occ; 99; 0;40773

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 3; 1883.2; 17-DEC-2009 13:53:23; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;40774
 4; 2067.5; 17-DEC-2009 13:56:28; Dark ; 57.0; 14; 58Alp Ori ; 0.87; 3000;occ; 114; 0;40774
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 6; 2316.4; 17-DEC-2009 14:00:37; Bright; 41.5; 176; 23Zet Tau ; 3.02; 22000;occ; 83; 0;40774
 7; 2440.1; 17-DEC-2009 14:02:40; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;40774
 8; 2651.5; 17-DEC-2009 14:06:12; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;40774
 9; 2782.5; 17-DEC-2009 14:08:23; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;40774
 10; 3704.2; 17-DEC-2009 14:23:44; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;40774
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 12; 4136.1; 17-DEC-2009 14:30:56; Bright; 39.5; 39; 85Eta UMA ; 1.85; 24000;occ; 79; 0;40774
 13; 4340.1; 17-DEC-2009 14:34:20; Bright; 55.0; 180; 27Gam Boo ; 3.04; 8000;occ; 110; 0;40774
 14; 4535.1; 17-DEC-2009 14:37:35; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;40774
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 17; 5554.5; 17-DEC-2009 14:54:35; Dark ; 47.0; 169; 46Gam Hya ; 2.99; 4700;occ; 94; 0;40774
 18; 5711.8; 17-DEC-2009 14:57:12; Dark ; 51.5; 106; 9Bet Crv ; 2.65; 5600;occ; 103; 0;40774
 19; 5991.4; 17-DEC-2009 15:01:52; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40774
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 21; 6326.1; 17-DEC-2009 15:07:26; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40774

22; 6547.2; 17-DEC-2009 15:11:07; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40774
 23; 6632.0; 17-DEC-2009 15:12:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40774
 24; 6828.8; 17-DEC-2009 15:15:49; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40774
 25; 6957.5; 17-DEC-2009 15:17:58; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;40774
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 27; 7309.0; 17-DEC-2009 15:23:49; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;40774
 28; 7415.0; 17-DEC-2009 15:25:35; Dark ; 10.5; 179; 240mi2CMA ; 3.03; 24000;occ; 21; 0;40774

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 11; 3704.2; 17-DEC-2009 16:04:20; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;40775
 12; 3977.4; 17-DEC-2009 16:08:54; Bright; 62.0; 32; 77Eps UMa ; 1.76; 11000;occ; 124; 0;40775
 13; 4136.1; 17-DEC-2009 16:11:32; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;40775
 14; 4340.5; 17-DEC-2009 16:14:57; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40775
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 16; 4738.2; 17-DEC-2009 16:21:34; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;40775
 17; 5344.7; 17-DEC-2009 16:31:41; Dark ; 54.5; 15; 67Alp Vir ; 0.98; 28000;occ; 109; 0;40775
 18; 5555.2; 17-DEC-2009 16:35:11; Dark ; 48.5; 169; 46Gam Hya ; 2.99; 4700;occ; 97; 0;40775
 19; 5712.9; 17-DEC-2009 16:37:49; Dark ; 58.0; 106; 9Bet Crv ; 2.65; 5600;occ; 116; 0;40775
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 21; 6091.6; 17-DEC-2009 16:44:08; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40775
 22; 6327.1; 17-DEC-2009 16:48:03; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;40775
 23; 6547.7; 17-DEC-2009 16:51:44; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;40775
 24; 6632.8; 17-DEC-2009 16:53:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40775
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 26; 6958.2; 17-DEC-2009 16:58:34; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;40775
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 22; 6092.2; 17-DEC-2009 18:24:44; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40776
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 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
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 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
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 12; 3974.0; 18-DEC-2009 15:37:13; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;40789
 13; 4135.1; 18-DEC-2009 15:39:54; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;40789
 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
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 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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 9; 2310.3; 18-DEC-2009 18:30:42; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;40791
 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
 14; 3973.5; 18-DEC-2009 18:58:25; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;40791
 15; 4134.7; 18-DEC-2009 19:01:06; Bright; 52.0; 39; 85Eta UMa ; 1.85; 24000;occ; 104; 0;40791
 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
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 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
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 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
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 16; 1881.3; 19-DEC-2009 01:05:56; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;40795
 17; 2061.4; 19-DEC-2009 01:08:56; Dark ; 59.5; 14; 58Alp Ori ; 0.87; 3000;occ; 119; 0;40795
 18; 2188.2; 19-DEC-2009 01:11:03; Dark ; 52.0; 13; 87Alp Tau ; 0.87; 3800;occ; 104; 0;40795
 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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 3; -299.7; 19-DEC-2009 02:10:11; Dark ; 53.5; 106; 9Bet Crv ; 2.65; 5600;occ; 107; 0;40795
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 5; 69.7; 19-DEC-2009 02:16:21; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;40796
 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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 13; 1385.5; 19-DEC-2009 02:38:16; Dark ; 51.0; 179; 240mi2CMa ; 3.03; 24000;occ; 102; 0;40796
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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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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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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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12; 2633.4; 19-DEC-2009 21:25:40; Bright; 63.0; 107; 37The Aur ; 2.65; 11000;occ; 126; 0;40807
13; 2723.8; 19-DEC-2009 21:27:10; Bright; 40.5; 6; 13Alp Aur ; 0.08; 3400;occ; 81; 0;40807
14; 3703.0; 19-DEC-2009 21:43:29; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 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
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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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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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27; 7423.4; 19-DEC-2009 12:41:54; Dark ; 51.0; 179; 240mi2CMA ; 3.03; 24000;occ; 102; 0;40801
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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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2; 1118.2; 22-DEC-2009 21:06:10; Dark ; 50.0; 117; Pi Pup ; 2.71; 3800;occ; 100; 0;40850
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
6; 1755.6; 22-DEC-2009 21:16:47; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0;40850
7; 1879.1; 22-DEC-2009 21:18:51; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;40850
8; 2048.9; 22-DEC-2009 21:21:40; Dark ; 52.0; 14; 58Alp Ori ; 0.87; 3000;occ; 104; 0;40850
9; 2292.7; 22-DEC-2009 21:25:44; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;40850
10; 2417.5; 22-DEC-2009 21:27:49; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;40850
11; 2612.7; 22-DEC-2009 21:31:04; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;40850
12; 2712.8; 22-DEC-2009 21:32:44; Bright; 47.0; 6; 13Alp Aur ; 0.08; 3400;occ; 94; 0;40850
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
15; 4129.1; 22-DEC-2009 21:56:21; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40850
16; 4345.9; 22-DEC-2009 21:59:58; Bright; 57.0; 180; 27Gam Boo ; 3.04; 8000;occ; 114; 0;40850
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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1; -626.9; 22-DEC-2009 22:17:41; Dark ; 56.0; 15; 67Alp Vir ; 0.98; 28000;occ; 112; 0;40850
2; -351.5; 22-DEC-2009 22:22:16; Dark ; 48.5; 54; 5The Cen ; 2.06; 4500;occ; 97; 0;40850
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
5; 358.8; 22-DEC-2009 22:34:06; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;40851
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
8; 842.6; 22-DEC-2009 22:42:10; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;40851
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
17; 2292.5; 22-DEC-2009 23:06:20; Bright; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;40851
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
20; 2712.6; 22-DEC-2009 23:13:20; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;40851
21; 3701.1; 22-DEC-2009 23:29:49; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40851
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
24; 4345.9; 22-DEC-2009 23:40:33; Bright; 57.0; 180; 27Gam Boo ; 3.04; 8000;occ; 114; 0;40851
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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 2; -351.0; 23-DEC-2009 00:02:52; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;40851
 3; -228.7; 23-DEC-2009 00:04:55; Dark ; 61.0; 106; 9Bet Crv ; 2.65; 5600;occ; 122; 0;40851
 4; 93.9; 23-DEC-2009 00:10:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40852
 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
 20; 2712.5; 23-DEC-2009 00:53:56; Bright; 43.0; 6; 13Alp Aur ; 0.08; 3400;occ; 86; 0;40852
 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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1; 1315.8; 22-DEC-2009 16:07:39; Dark ; 48.5; 23; 21Eps CMA ; 1.50; 26000;occ; 97; 32;40847
 2; 1400.2; 22-DEC-2009 16:09:04; Dark ; 50.5; 179; 240mi2CMA ; 3.03; 24000;occ; 101; 0;40847
 3; 1565.7; 22-DEC-2009 16:11:49; Dark ; 56.0; 1; 9Alp CMA ; -1.44; 11000;occ; 112; 0;40847
 4; 1755.5; 22-DEC-2009 16:14:59; Dark ; 46.0; 7; 19Bet Ori ; 0.10; 14000;occ; 92; 0;40847
 5; 1879.1; 22-DEC-2009 16:17:03; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;40847
 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
 8; 2418.3; 22-DEC-2009 16:26:02; Bright; 41.0; 28; 12Bet Tau ; 1.65; 15200;occ; 82; 0;40847
 9; 2614.1; 22-DEC-2009 16:29:18; Bright; 57.5; 107; 37The Aur ; 2.65; 11000;occ; 115; 0;40847
 10; 2713.6; 22-DEC-2009 16:30:57; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;40847
 11; 3701.3; 22-DEC-2009 16:47:25; Bright; 44.5; 60; 7Bet UMi ; 2.08; 3950;occ; 89; 0;40847
 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
 14; 4346.0; 22-DEC-2009 16:58:10; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40847
 15; 4547.9; 22-DEC-2009 17:01:31; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;40847
 16; 4763.8; 22-DEC-2009 17:05:07; Bright; 47.5; 111; 8Eta Boo ; 2.68; 6000;occ; 95; 0;40847
 17; 5406.6; 22-DEC-2009 17:15:50; Dark ; 55.5; 15; 67Alp Vir ; 0.98; 28000;occ; 111; 0;40847
 18; 5682.8; 22-DEC-2009 17:20:26; Dark ; 45.5; 54; 5The Cen ; 2.06; 4500;occ; 91; 0;40847
 19; 5802.2; 22-DEC-2009 17:22:26; Dark ; 64.5; 106; 9Bet Crv ; 2.65; 5600;occ; 129; 0;40847
 20; 6040.9; 22-DEC-2009 17:26:24; Dark ; 42.5; 64; Gam Cen ; 2.20; 10600;occ; 85; 0;40847
 21; 6139.8; 22-DEC-2009 17:28:03; Dark ; 42.0; 26; Gam Cru ; 1.62; 2900;occ; 84; 0;40847
 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
 24; 6683.9; 22-DEC-2009 17:37:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40847
 25; 6773.6; 22-DEC-2009 17:38:37; Dark ; 56.0; 65; Lam Vel ; 2.20; 4400;occ; 112; 0;40847
 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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1; 996.6; 22-DEC-2009 17:42:56; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 50;40848
 2; 1117.4; 22-DEC-2009 17:44:57; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0;40848
 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
 5; 1565.8; 22-DEC-2009 17:52:25; Dark ; 54.0; 1; 9Alp CMA ; -1.44; 11000;occ; 108; 0;40848
 6; 1755.6; 22-DEC-2009 17:55:35; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;40848
 7; 1879.3; 22-DEC-2009 17:57:39; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;40848
 8; 2049.3; 22-DEC-2009 18:00:29; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;40848
 9; 2293.3; 22-DEC-2009 18:04:33; Bright; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;40848
 10; 2418.0; 22-DEC-2009 18:06:38; Bright; 41.5; 28; 12Bet Tau ; 1.65; 15200;occ; 83; 0;40848
 11; 2613.8; 22-DEC-2009 18:09:53; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;40848
 12; 2713.3; 22-DEC-2009 18:11:33; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;40848

13; 3701.2; 22-DEC-2009 18:28:01; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;40848
 14; 3958.2; 22-DEC-2009 18:32:18; Bright; 48.0; 32; 77Eps UMa ; 1.76; 11000;occ; 96; 0;40848
 15; 4129.6; 22-DEC-2009 18:35:09; Bright; 43.5; 39; 85Eta UMa ; 1.85; 24000;occ; 87; 0;40848
 16; 4345.9; 22-DEC-2009 18:38:46; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;40848
 17; 4548.3; 22-DEC-2009 18:42:08; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;40848
 18; 4764.0; 22-DEC-2009 18:45:44; Bright; 65.0; 111; 8Eta Boo ; 2.68; 6000;occ; 130; 0;40848
 19; 5407.5; 22-DEC-2009 18:56:27; Dark ; 55.0; 15; 67Alp Vir ; 0.98; 28000;occ; 110; 0;40848
 20; 5683.4; 22-DEC-2009 19:01:03; Dark ; 43.5; 54; 5The Cen ; 2.06; 4500;occ; 87; 0;40848
 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
 24; 6393.1; 22-DEC-2009 19:12:53; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40848
 25; 6591.7; 22-DEC-2009 19:16:11; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40848
 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
 28; 6877.3; 22-DEC-2009 19:20:57; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40848

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 2; 972.4; 22-DEC-2009 19:23:08; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40849
 3; 1117.9; 22-DEC-2009 19:25:34; Dark ; 49.0; 117; Pi Pup ; 2.71; 3800;occ; 98; 0;40849
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 5; 1401.0; 22-DEC-2009 19:30:17; Dark ; 47.5; 179; 240mi2CMa ; 3.03; 24000;occ; 95; 0;40849
 6; 1566.1; 22-DEC-2009 19:33:02; Dark ; 55.0; 1; 9Alp CMa ; -1.44; 11000;occ; 110; 0;40849
 7; 1755.6; 22-DEC-2009 19:36:11; Dark ; 45.0; 7; 19Bet Ori ; 0.10; 14000;occ; 90; 0;40849
 8; 1879.0; 22-DEC-2009 19:38:15; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;40849
 9; 2049.1; 22-DEC-2009 19:41:05; Dark ; 51.5; 14; 58Alp Ori ; 0.87; 3000;occ; 103; 0;40849
 10; 2293.1; 22-DEC-2009 19:45:09; Bright; 40.0; 176; 23Zet Tau ; 3.02; 22000;occ; 80; 0;40849
 11; 2417.7; 22-DEC-2009 19:47:13; Bright; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;40849
 12; 2613.0; 22-DEC-2009 19:50:29; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;40849
 13; 2713.0; 22-DEC-2009 19:52:09; Bright; 45.0; 6; 13Alp Aur ; 0.08; 3400;occ; 90; 0;40849
 14; 3701.0; 22-DEC-2009 20:08:37; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;40849
 15; 3957.9; 22-DEC-2009 20:12:54; Bright; 45.0; 32; 77Eps UMa ; 1.76; 11000;occ; 90; 0;40849
 16; 4129.2; 22-DEC-2009 20:15:45; Bright; 44.0; 39; 85Eta UMa ; 1.85; 24000;occ; 88; 0;40849
 17; 4346.1; 22-DEC-2009 20:19:22; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40849
 18; 4548.3; 22-DEC-2009 20:22:44; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;40849
 19; 4764.7; 22-DEC-2009 20:26:20; Bright; 65.0; 111; 8Eta Boo ; 2.68; 6000;occ; 130; 0;40849
 20; 5408.3; 22-DEC-2009 20:37:04; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;40849
 21; 5683.8; 22-DEC-2009 20:41:39; Dark ; 43.5; 54; 5The Cen ; 2.06; 4500;occ; 87; 0;40849
 22; 5804.6; 22-DEC-2009 20:43:40; Dark ; 55.0; 106; 9Bet Crv ; 2.65; 5600;occ; 110; 0;40849
 23; 6042.4; 22-DEC-2009 20:47:38; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40849
 24; 6128.1; 22-DEC-2009 20:49:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40849
 25; 6393.9; 22-DEC-2009 20:53:30; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;40849
 26; 6592.4; 22-DEC-2009 20:56:48; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40849
 27; 6699.0; 22-DEC-2009 20:58:35; Dark ; 55.5; 41; Eps Car ; 1.86; 4100;occ; 111; 0;40849
 28; 6877.8; 22-DEC-2009 21:01:33; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40849
 29; 7008.9; 22-DEC-2009 21:03:44; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;40849

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 3; -227.3; 23-DEC-2009 01:45:32; Dark ; 58.0; 106; 9Bet Crv ; 2.65; 5600;occ; 116; 0;40852
 4; 8.6; 23-DEC-2009 01:49:28; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;40853
 5; 94.8; 23-DEC-2009 01:50:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40853
 6; 360.7; 23-DEC-2009 01:55:20; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40853
 7; 558.1; 23-DEC-2009 01:58:37; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;40853
 8; 664.7; 23-DEC-2009 02:00:24; Dark ; 54.5; 41; Eps Car ; 1.86; 4100;occ; 109; 0;40853
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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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3; 1878.9; 26-DEC-2009 12:29:59; Dark ; 43.5; 30; 46Eps Ori ; 1.69; 30000;occ; 87; 0;40902
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6; 2407.0; 26-DEC-2009 12:38:47; Bright; 55.0; 28; 12Bet Tau ; 1.65; 15200;occ; 110; 0;40902
7; 2591.4; 26-DEC-2009 12:41:51; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;40902
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9; 3646.1; 26-DEC-2009 12:59:26; Bright; 48.5; 36; 50Alp UMa ; 1.80; 6300;occ; 97; 0;40902
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12; 4349.6; 26-DEC-2009 13:11:10; Bright; 59.0; 180; 27Gam Boo ; 3.04; 8000;occ; 118; 0;40902
13; 4558.2; 26-DEC-2009 13:14:38; Bright; 47.5; 83; ; 2.38; 11000;occ; 95; 0;40902
14; 4786.6; 26-DEC-2009 13:18:27; Bright; 51.5; 111; 8Eta Boo ; 2.68; 6000;occ; 103; 0;40902
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 9; 2702.3; 26-DEC-2009 14:24:18; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;40903
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 11; 3941.0; 26-DEC-2009 14:44:57; Bright; 66.0; 32; 77Eps UMa ; 1.76; 11000;occ; 132; 0;40903
 12; 4122.5; 26-DEC-2009 14:47:58; Bright; 44.5; 39; 85Eta UMa ; 1.85; 24000;occ; 89; 0;40903
 13; 4349.5; 26-DEC-2009 14:51:45; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;40903
 14; 4558.8; 26-DEC-2009 14:55:15; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;40903
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 19; 5841.4; 26-DEC-2009 15:16:37; Dark ; 45.0; 123; Iot Cen ; 2.75; 10200;occ; 90; 0;40903
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 27; 7178.2; 26-DEC-2009 15:38:54; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0;40903
 28; 7354.5; 26-DEC-2009 15:41:50; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 0;40903
 29; 7451.1; 26-DEC-2009 15:43:27; Dark ; 1.0; 179; 240mi2CMA ; 3.03; 24000;occ; 2; 0;40903

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 5; 2040.1; 26-DEC-2009 15:53:52; Dark ; 57.0; 14; 58Alp Ori ; 0.87; 3000;occ; 114; 0;40904
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 17; 5464.8; 26-DEC-2009 16:50:57; Dark ; 60.0; 15; 67Alp Vir ; 0.98; 28000;occ; 120; 0;40904
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 21; 6176.6; 26-DEC-2009 17:02:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40904
 22; 6444.1; 26-DEC-2009 17:07:16; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;40904
 23; 6624.2; 26-DEC-2009 17:10:16; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40904
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 26; 7042.6; 26-DEC-2009 17:17:14; Dark ; 48.0; 70; Zet Pup ; 2.25; 39000;occ; 96; 0;40904
 27; 7178.7; 26-DEC-2009 17:19:30; Dark ; 48.5; 117; Pi Pup ; 2.71; 3800;occ; 97; 0;40904

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2;	1318.8;	26-DEC-2009	17:22:27;	Dark	;	48.0;	23;	21Eps CMa	;	1.50;	26000;	occ;	96;	0;	40905
3;	1415.5;	26-DEC-2009	17:24:03;	Dark	;	47.5;	179;	240mi2CMa	;	3.03;	24000;	occ;	95;	0;	40905
4;	1572.6;	26-DEC-2009	17:26:40;	Dark	;	53.5;	1;	9Alp CMa	;	-1.44;	11000;	occ;	107;	0;	40905
5;	1724.8;	26-DEC-2009	17:29:13;	Dark	;	43.5;	56;	53Kap Ori	;	2.07;	30000;	occ;	87;	0;	40905
6;	1878.8;	26-DEC-2009	17:31:47;	Dark	;	45.0;	30;	46Eps Ori	;	1.69;	30000;	occ;	90;	0;	40905
7;	2040.0;	26-DEC-2009	17:34:28;	Dark	;	49.5;	14;	58Alp Ori	;	0.87;	3000;	occ;	99;	0;	40905
8;	2260.4;	26-DEC-2009	17:38:08;	Dark	;	52.5;	44;	24Gam Gem	;	1.93;	11000;	occ;	105;	0;	40905
9;	2406.5;	26-DEC-2009	17:40:34;	Bright;		40.0;	28;	12Bet Tau	;	1.65;	15200;	occ;	80;	0;	40905
10;	2590.4;	26-DEC-2009	17:43:38;	Bright;		41.0;	107;	37The Aur	;	2.65;	11000;	occ;	82;	0;	40905
11;	2701.9;	26-DEC-2009	17:45:30;	Bright;		41.5;	6;	13Alp Aur	;	0.08;	3400;	occ;	83;	0;	40905
12;	3644.3;	26-DEC-2009	18:01:12;	Bright;		48.0;	36;	50Alp UMa	;	1.80;	6300;	occ;	96;	0;	40905
13;	3940.1;	26-DEC-2009	18:06:08;	Bright;		43.0;	32;	77Eps UMa	;	1.76;	11000;	occ;	86;	0;	40905
14;	4122.1;	26-DEC-2009	18:09:10;	Bright;		46.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	92;	0;	40905
15;	4349.5;	26-DEC-2009	18:12:57;	Bright;		59.0;	180;	27Gam Boo	;	3.04;	8000;	occ;	118;	0;	40905
16;	4559.1;	26-DEC-2009	18:16:27;	Bright;		40.0;	83;		;	2.38;	11000;	occ;	80;	0;	40905
17;	4788.1;	26-DEC-2009	18:20:16;	Bright;		70.0;	111;	8Eta Boo	;	2.68;	6000;	occ;	140;	0;	40905
18;	5313.2;	26-DEC-2009	18:29:01;	Dark	;	43.0;	122;	9Alp2Lib	;	2.75;	9700;	occ;	86;	0;	40905
19;	5465.9;	26-DEC-2009	18:31:34;	Dark	;	58.5;	15;	67Alp Vir	;	0.98;	28000;	occ;	117;	0;	40905
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21;	5843.1;	26-DEC-2009	18:37:51;	Dark	;	42.5;	123;	Iot Cen	;	2.75;	10200;	occ;	85;	0;	40905
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25;	6624.8;	26-DEC-2009	18:50:53;	Dark	;	47.0;	71;	Iot Car	;	2.25;	7700;	occ;	94;	0;	40905
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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3;	1319.0;	26-DEC-2009	19:03:03;	Dark	;	48.0;	23;	21Eps CMa	;	1.50;	26000;	occ;	96;	0;	40906
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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7;	1878.8;	26-DEC-2009	19:12:23;	Dark	;	44.5;	30;	46Eps Ori	;	1.69;	30000;	occ;	89;	0;	40906
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
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15;	4121.9;	26-DEC-2009	19:49:46;	Bright;		41.5;	39;	85Eta UMa	;	1.85;	24000;	occ;	83;	0;	40906
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19;	5313.6;	26-DEC-2009	20:09:37;	Dark	;	46.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	93;	0;	40906
20;	5467.1;	26-DEC-2009	20:12:11;	Dark	;	59.0;	15;	67Alp Vir	;	0.98;	28000;	occ;	118;	0;	40906
21;	5717.3;	26-DEC-2009	20:16:21;	Dark	;	44.5;	54;	5The Cen	;	2.06;	4500;	occ;	89;	0;	40906
22;	5843.9;	26-DEC-2009	20:18:28;	Dark	;	46.0;	123;	Iot Cen	;	2.75;	10200;	occ;	92;	0;	40906
23;	6084.1;	26-DEC-2009	20:22:28;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;	occ;	89;	0;	40906
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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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