

# GOMOS Daily Report 28-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	31DEC2009 05:02:41
Data source version	GOMOS/5.00L04
Start time of products	28DEC2009 00:11:48
Stop time of products	28DEC2009 23:59:40
Store outputs in DB	Yes
Nb of level 1b prods	190
Nb of prods with errors	3

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

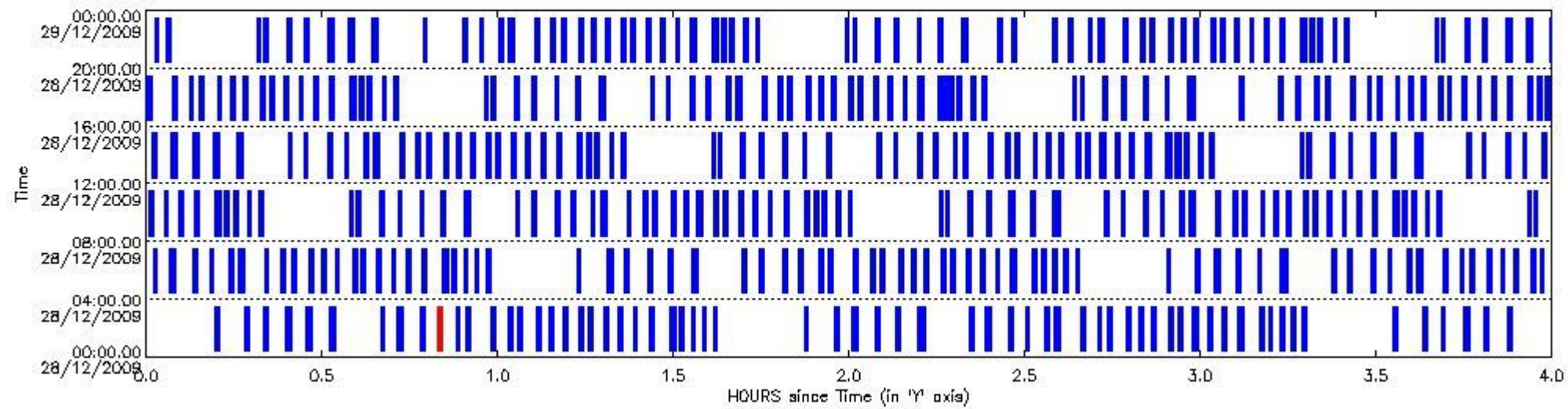
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
28-DEC-2009 00:49:39	ZetCen	95	40923

### 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_1PNPDE20091228_001148_000000372085_00288_40923_1040.N1	28-DEC-2009 00:11:48	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	40923	No
2	GOM_TRA_1PNPDE20091228_001648_000000472085_00288_40923_1041.N1	28-DEC-2009 00:16:48	Bright	47.000	32	77Eps UMa	1.7630	11000.	94	40923	No
3	GOM_TRA_1PNPDE20091228_001954_000000502085_00288_40923_1042.N1	28-DEC-2009 00:19:54	Bright	50.000	39	85Eta UMa	1.8540	24000.	100	40923	No
4	GOM_TRA_1PNPDE20091228_002345_000000602085_00288_40923_1043.N1	28-DEC-2009 00:23:45	Bright	60.000	180	27Gam Boo	3.0400	8000.0	120	40923	No
5	GOM_TRA_1PNPDE20091228_002717_000000592085_00288_40923_1044.N1	28-DEC-2009 00:27:17	Bright	59.000	83		2.3780	11000.	118	40923	No
6	GOM_TRA_1PNPDE20091228_003111_000000712085_00288_40923_1045.N1	28-DEC-2009 00:31:11	Bright	71.000	111	8Eta Boo	2.6800	6000.0	142	40923	No
7	GOM_TRA_1PNPDE20091228_003957_000000452085_00288_40923_1041.N1	28-DEC-2009 00:39:57	Bright	45.000	122	9Alp2Lib	2.7470	9700.0	90	40923	Yes
8	GOM_TRA_1PNPDE20091228_004241_000000612085_00288_40923_1042.N1	28-DEC-2009 00:42:41	Straylight	60.500	15	67Alp Vir	0.97600	28000.	121	40923	No
9	GOM_TRA_1PNPDE20091228_004643_000000512085_00288_40923_1043.N1	28-DEC-2009 00:46:43	Dark	50.500	54	5The Cen	2.0550	4500.0	101	40923	No
10	GOM_TRA_1PNPDE20091228_005252_000000422085_00289_40924_1044.N1	28-DEC-2009 00:52:52	Dark	42.000	64	Gam Cen	2.2000	10600.	84	40924	No

11	GOM_TRA_1PNPDE20091228_005856_000000462085_00289_40924_1045.N1	28-DEC-2009 00:58:56	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	40924	No
12	GOM_TRA_1PNPDE20091228_010149_000000502085_00289_40924_1046.N1	28-DEC-2009 01:01:49	Dark	49.500	71	lot Car	2.2460	7700.0	99	40924	No
13	GOM_TRA_1PNPDE20091228_010330_000000452085_00289_40924_1047.N1	28-DEC-2009 01:03:30	Dark	45.000	41	Eps Car	1.8600	4100.0	90	40924	No
14	GOM_TRA_1PNPDE20091228_010636_000000452085_00289_40924_1048.N1	28-DEC-2009 01:06:36	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	40924	No
15	GOM_TRA_1PNPDE20091228_010848_000000472085_00289_40924_1049.N1	28-DEC-2009 01:08:48	Dark	47.000	70	Zet Pup	2.2460	39000.	94	40924	No
16	GOM_TRA_1PNPDE20091228_011101_000000512085_00289_40924_1050.N1	28-DEC-2009 01:11:01	Dark	50.500	117	Pi Pup	2.7060	3800.0	101	40924	No
17	GOM_TRA_1PNPDE20091228_011355_000000482085_00289_40924_1051.N1	28-DEC-2009 01:13:55	Straylight	47.500	23	21Eps CMa	1.5020	26000.	95	40924	No
18	GOM_TRA_1PNPDE20091228_011530_000000472085_00289_40924_1052.N1	28-DEC-2009 01:15:30	Straylight	47.000	179	24Omi2CMa	3.0320	24000.	94	40924	No
19	GOM_TRA_1PNPDE20091228_011805_000000522085_00289_40924_1053.N1	28-DEC-2009 01:18:05	Straylight	52.000	1	9Alp CMa	-1.4400	11000.	104	40924	No
20	GOM_TRA_1PNPDE20091228_012037_000000442085_00289_40924_1054.N1	28-DEC-2009 01:20:37	Straylight	44.000	56	53Kap Ori	2.0650	30000.	88	40924	No
21	GOM_TRA_1PNPDE20091228_012309_000000432085_00289_40924_1055.N1	28-DEC-2009 01:23:09	Straylight	43.000	30	46Eps Ori	1.6940	30000.	86	40924	No
22	GOM_TRA_1PNPDE20091228_012548_000000542085_00289_40924_1056.N1	28-DEC-2009 01:25:48	Twilight_stray	53.500	14	58Alp Ori	0.87000	3000.0	107	40924	No
23	GOM_TRA_1PNPDE20091228_012922_000000662085_00289_40924_1057.N1	28-DEC-2009 01:29:22	Bright	66.000	44	24Gam Gem	1.9280	11000.	132	40924	No
24	GOM_TRA_1PNPDE20091228_013058_000000512085_00289_40924_1058.N1	28-DEC-2009 01:30:58	Bright	50.500	151	13Mu Gem	2.8900	3000.0	101	40924	No
25	GOM_TRA_1PNPDE20091228_013303_000000372085_00289_40924_1059.N1	28-DEC-2009 01:33:03	Bright	37.000	114	3lot Aur	2.6930	4600.0	74	40924	No
26	GOM_TRA_1PNPDE20091228_013454_000000402085_00289_40924_1060.N1	28-DEC-2009 01:34:54	Bright	39.500	107	37The Aur	2.6490	11000.	79	40924	No
27	GOM_TRA_1PNPDE20091228_013650_000000402085_00289_40924_1061.N1	28-DEC-2009 01:36:50	Bright	39.500	6	13Alp Aur	0.080000	3400.0	79	40924	No
28	GOM_TRA_1PNPDE20091228_015223_000000362085_00289_40924_1062.N1	28-DEC-2009 01:52:23	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	40924	No
29	GOM_TRA_1PNPDE20091228_015724_000000502085_00289_40924_1063.N1	28-DEC-2009 01:57:24	Bright	49.500	32	77Eps UMa	1.7630	11000.	99	40924	No
30	GOM_TRA_1PNPDE20091228_020030_000000632085_00289_40924_1064.N1	28-DEC-2009 02:00:30	Bright	63.000	39	85Eta UMa	1.8540	24000.	126	40924	No
31	GOM_TRA_1PNPDE20091228_020421_000000602085_00289_40924_1065.N1	28-DEC-2009 02:04:21	Bright	60.000	180	27Gam Boo	3.0400	8000.0	120	40924	No
32	GOM_TRA_1PNPDE20091228_020753_000000592085_00289_40924_1066.N1	28-DEC-2009 02:07:53	Bright	59.000	83		2.3780	11000.	118	40924	No
33	GOM_TRA_1PNPDE20091228_021147_000000722085_00289_40924_1067.N1	28-DEC-2009 02:11:47	Bright	71.500	111	8Eta Boo	2.6800	6000.0	143	40924	No
34	GOM_TRA_1PNPDE20091228_022033_000000432085_00289_40924_1060.N1	28-DEC-2009 02:20:33	Twilight_stray	43.000	122	9Alp2Lib	2.7470	9700.0	86	40924	No
35	GOM_TRA_1PNPDE20091228_022318_000000572085_00289_40924_1061.N1	28-DEC-2009 02:23:18	Straylight	57.000	15	67Alp Vir	0.97600	28000.	114	40924	No
36	GOM_TRA_1PNPDE20091228_022719_000000462085_00289_40924_1062.N1	28-DEC-2009 02:27:19	Dark	46.000	54	5The Cen	2.0550	4500.0	92	40924	No
37	GOM_TRA_1PNPDE20091228_023010_000000392085_00289_40924_1063.N1	28-DEC-2009 02:30:10	Dark	39.000	95	Zet Cen	2.5450	26000.	78	40924	No
38	GOM_TRA_1PNPDE20091228_023328_000000422085_00290_40925_1064.N1	28-DEC-2009 02:33:28	Dark	41.500	64	Gam Cen	2.2000	10600.	83	40925	No
39	GOM_TRA_1PNPDE20091228_023932_000000482085_00290_40925_1065.N1	28-DEC-2009 02:39:32	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	40925	No
40	GOM_TRA_1PNPDE20091228_024226_000000412085_00290_40925_1066.N1	28-DEC-2009 02:42:26	Dark	41.000	71	lot Car	2.2460	7700.0	82	40925	No
41	GOM_TRA_1PNPDE20091228_024406_000000492085_00290_40925_1067.N1	28-DEC-2009 02:44:06	Dark	49.000	41	Eps Car	1.8600	4100.0	98	40925	No
42	GOM_TRA_1PNPDE20091228_024713_000000472085_00290_40925_1068.N1	28-DEC-2009 02:47:13	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	40925	No
43	GOM_TRA_1PNPDE20091228_024924_000000472085_00290_40925_1069.N1	28-DEC-2009 02:49:24	Dark	46.500	70	Zet Pup	2.2460	39000.	93	40925	No
44	GOM_TRA_1PNPDE20091228_025137_000000492085_00290_40925_1070.N1	28-DEC-2009 02:51:37	Dark	48.500	117	Pi Pup	2.7060	3800.0	97	40925	No
45	GOM_TRA_1PNPDE20091228_025431_000000462085_00290_40925_1071.N1	28-DEC-2009 02:54:31	Straylight	45.500	23	21Eps CMa	1.5020	26000.	91	40925	No
46	GOM_TRA_1PNPDE20091228_025607_000000472085_00290_40925_1072.N1	28-DEC-2009 02:56:07	Straylight	47.000	179	24Omi2CMa	3.0320	24000.	94	40925	No
47	GOM_TRA_1PNPDE20091228_025841_000000522085_00290_40925_1073.N1	28-DEC-2009 02:58:41	Straylight	52.000	1	9Alp CMa	-1.4400	11000.	104	40925	No
48	GOM_TRA_1PNPDE20091228_030113_000000442085_00290_40925_1074.N1	28-DEC-2009 03:01:13	Straylight	44.000	56	53Kap Ori	2.0650	30000.	88	40925	No
49	GOM_TRA_1PNPDE20091228_030346_000000442085_00290_40925_1075.N1	28-DEC-2009 03:03:46	Straylight	43.500	30	46Eps Ori	1.6940	30000.	87	40925	No
50	GOM_TRA_1PNPDE20091228_030624_000000572085_00290_40925_1076.N1	28-DEC-2009 03:06:24	Twilight_stray	57.000	14	58Alp Ori	0.87000	3000.0	114	40925	No
51	GOM_TRA_1PNPDE20091228_030958_000000642085_00290_40925_1077.N1	28-DEC-2009 03:09:58	Bright	64.000	44	24Gam Gem	1.9280	11000.	128	40925	No
52	GOM_TRA_1PNPDE20091228_031134_000000492085_00290_40925_1078.N1	28-DEC-2009 03:11:34	Bright	48.500	151	13Mu Gem	2.8900	3000.0	97	40925	No
53	GOM_TRA_1PNPDE20091228_031339_000000402085_00290_40925_1079.N1	28-DEC-2009 03:13:39	Bright	40.000	114	3lot Aur	2.6930	4600.0	80	40925	No
54	GOM_TRA_1PNPDE20091228_031530_000000382085_00290_40925_1080.N1	28-DEC-2009 03:15:30	Bright	38.000	107	37The Aur	2.6490	11000.	76	40925	No
55	GOM_TRA_1PNPDE20091228_031725_000000402085_00290_40925_1081.N1	28-DEC-2009 03:17:25	Bright	40.000	6	13Alp Aur	0.080000	3400.0	80	40925	No
56	GOM_TRA_1PNPDE20091228_033258_000000362085_00290_40925_1084.N1	28-DEC-2009 03:32:58	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	40925	No
57	GOM_TRA_1PNPDE20091228_033759_000000512085_00290_40925_1085.N1	28-DEC-2009 03:37:59	Bright	51.000	32	77Eps UMa	1.7630	11000.	102	40925	No
58	GOM_TRA_1PNPDE20091228_034105_000000412085_00290_40925_1086.N1	28-DEC-2009 03:41:05	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	40925	No
59	GOM_TRA_1PNPDE20091228_034457_000000602085_00290_40925_1087.N1	28-DEC-2009 03:44:57	Bright	60.000	180	27Gam Boo	3.0400	8000.0	120	40925	No
60	GOM_TRA_1PNPDE20091228_034829_000000402085_00290_40925_1088.N1	28-DEC-2009 03:48:29	Bright	39.500	83		2.3780	11000.	79	40925	No
61	GOM_TRA_1PNPDE20091228_035223_000000502085_00290_40925_1089.N1	28-DEC-2009 03:52:23	Bright	49.500	111	8Eta Boo	2.6800	6000.0	99	40925	No
62	GOM_TRA_1PNPDE20091228_040109_000000422085_00290_40925_1090.N1	28-DEC-2009 04:01:09	Twilight_stray	42.000	122	9Alp2Lib	2.7470	9700.0	84	40925	No
63	GOM_TRA_1PNPDE20091228_040355_000000572085_00290_40925_1091.N1	28-DEC-2009 04:03:55	Straylight	57.000	15	67Alp Vir	0.97600	28000.	114	40925	No
64	GOM_TRA_1PNPDE20091228_040756_000000492085_00290_40925_1092.N1	28-DEC-2009 04:07:56	Dark	48.500	54	5The Cen	2.0550	4500.0	97	40925	No
65	GOM_TRA_1PNPDE20091228_041046_000000392085_00290_40925_1093.N1	28-DEC-2009 04:10:46	Dark	38.500	95	Zet Cen	2.5450	26000.	77	40925	No
66	GOM_TRA_1PNPDE20091228_041405_000000412085_00291_40926_1094.N1	28-DEC-2009 04:14:05	Dark	41.000	64	Gam Cen	2.2000	10600.	82	40926	No
67	GOM_TRA_1PNPDE20091228_042009_000000462085_00291_40926_1095.N1	28-DEC-2009 04:20:09	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	40926	No
68	GOM_TRA_1PNPDE20091228_042302_000000422085_00291_40926_1096.N1	28-DEC-2009 04:23:02	Dark	42.000	71	lot Car	2.2460	7700.0	84	40926	No
69	GOM_TRA_1PNPDE20091228_042443_000000512085_00291_40926_1097.N1	28-DEC-2009 04:24:43	Dark	50.500	41	Eps Car	1.8600	4100.0	101	40926	No

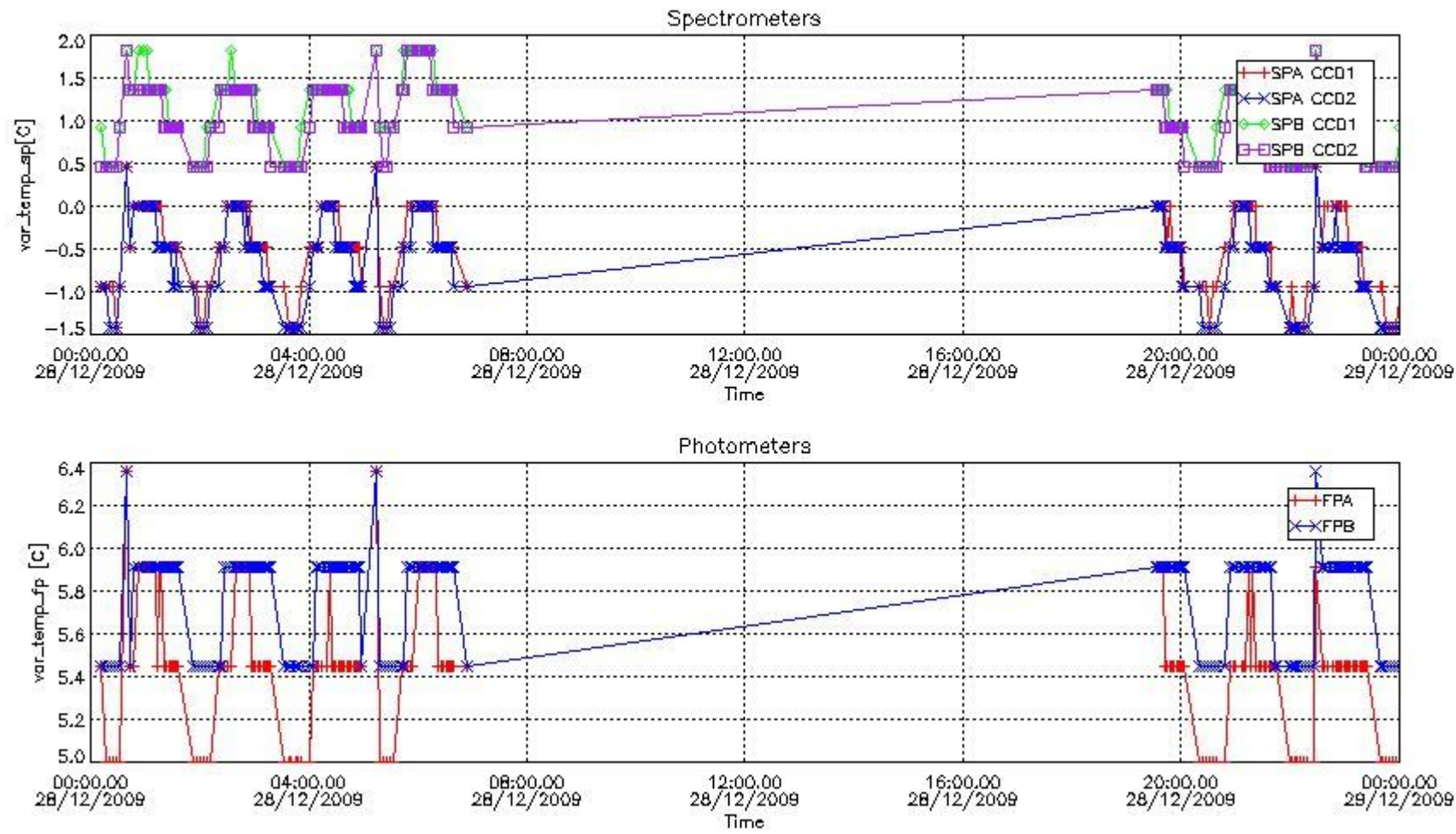


70	GOM_TRA_1PNPDE20091228_042749_000000432085_00291_40926_1098.N1	28-DEC-2009 04:27:49	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	40926	No
71	GOM_TRA_1PNPDE20091228_043001_000000492085_00291_40926_1099.N1	28-DEC-2009 04:30:01	Dark	49.000	70	Zet Pup	2.2460	39000.	98	40926	No
72	GOM_TRA_1PNPDE20091228_043214_000000452085_00291_40926_1100.N1	28-DEC-2009 04:32:14	Dark	45.000	117	Pi Pup	2.7060	3800.0	90	40926	No
73	GOM_TRA_1PNPDE20091228_043507_000000502085_00291_40926_1101.N1	28-DEC-2009 04:35:07	Straylight	50.000	23	21Eps CMa	1.5020	26000.	100	40926	No
74	GOM_TRA_1PNPDE20091228_043643_000000482085_00291_40926_1102.N1	28-DEC-2009 04:36:43	Straylight	48.000	179	24Omi2CMa	3.0320	24000.	96	40926	No
75	GOM_TRA_1PNPDE20091228_043917_000000542085_00291_40926_1103.N1	28-DEC-2009 04:39:17	Straylight	53.500	1	9Alp CMa	-1.4400	11000.	107	40926	No
76	GOM_TRA_1PNPDE20091228_044149_000000432085_00291_40926_1104.N1	28-DEC-2009 04:41:49	Straylight	42.500	56	53Kap Ori	2.0650	30000.	85	40926	No
77	GOM_TRA_1PNPDE20091228_044421_000000432085_00291_40926_1105.N1	28-DEC-2009 04:44:21	Straylight	42.500	30	46Eps Ori	1.6940	30000.	85	40926	No
78	GOM_TRA_1PNPDE20091228_044700_000000572085_00291_40926_1106.N1	28-DEC-2009 04:47:00	Twilight_stray	57.000	14	58Alp Ori	0.87000	3000.0	114	40926	No
79	GOM_TRA_1PNPDE20091228_045033_000000662085_00291_40926_1107.N1	28-DEC-2009 04:50:33	Bright	66.000	44	24Gam Gem	1.9280	11000.	132	40926	No
80	GOM_TRA_1PNPDE20091228_045209_000000512085_00291_40926_1108.N1	28-DEC-2009 04:52:09	Bright	50.500	151	13Mu Gem	2.8900	3000.0	101	40926	No
81	GOM_TRA_1PNPDE20091228_045415_000000402085_00291_40926_1109.N1	28-DEC-2009 04:54:15	Bright	40.000	114	3lot Aur	2.6930	4600.0	80	40926	No
82	GOM_TRA_1PNPDE20091228_045606_000000412085_00291_40926_1110.N1	28-DEC-2009 04:56:06	Bright	41.000	107	37The Aur	2.6490	11000.	82	40926	No
83	GOM_TRA_1PNPDE20091228_045801_000000442085_00291_40926_1111.N1	28-DEC-2009 04:58:01	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	40926	No
84	GOM_TRA_1PNPDE20091228_051334_000000352085_00291_40926_1108.N1	28-DEC-2009 05:13:34	Bright	35.000	36	50Alp UMa	1.8000	6300.0	70	40926	Yes
85	GOM_TRA_1PNPDE20091228_051835_000000662085_00291_40926_1109.N1	28-DEC-2009 05:18:35	Bright	65.500	32	77Eps UMa	1.7630	11000.	131	40926	No
86	GOM_TRA_1PNPDE20091228_052141_000000472085_00291_40926_1110.N1	28-DEC-2009 05:21:41	Bright	46.500	39	85Eta UMa	1.8540	24000.	93	40926	No
87	GOM_TRA_1PNPDE20091228_052533_000000602085_00291_40926_1111.N1	28-DEC-2009 05:25:33	Bright	60.000	180	27Gam Boo	3.0400	8000.0	120	40926	No
88	GOM_TRA_1PNPDE20091228_052906_000000412085_00291_40926_1112.N1	28-DEC-2009 05:29:06	Bright	40.500	83		2.3780	11000.	81	40926	No
89	GOM_TRA_1PNPDE20091228_053300_000000722085_00291_40926_1113.N1	28-DEC-2009 05:33:00	Bright	72.000	111	8Eta Boo	2.6800	6000.0	144	40926	No
90	GOM_TRA_1PNPDE20091228_054146_000000472085_00291_40926_1114.N1	28-DEC-2009 05:41:46	Twilight_stray	46.500	122	9Alp2Lib	2.7470	9700.0	93	40926	No
91	GOM_TRA_1PNPDE20091228_054432_000000502085_00291_40926_1115.N1	28-DEC-2009 05:44:32	Straylight	50.000	15	67Alp Vir	0.97600	28000.	100	40926	No
92	GOM_TRA_1PNPDE20091228_054832_000000532085_00291_40926_1116.N1	28-DEC-2009 05:48:32	Dark	52.500	54	5The Cen	2.0550	4500.0	105	40926	No
93	GOM_TRA_1PNPDE20091228_055123_000000392085_00291_40926_1117.N1	28-DEC-2009 05:51:23	Dark	39.000	95	Zet Cen	2.5450	26000.	78	40926	No
94	GOM_TRA_1PNPDE20091228_055442_000000522085_00292_40927_1118.N1	28-DEC-2009 05:54:42	Dark	51.500	64	Gam Cen	2.2000	10600.	103	40927	No
95	GOM_TRA_1PNPDE20091228_060046_000000472085_00292_40927_1119.N1	28-DEC-2009 06:00:46	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	40927	No
96	GOM_TRA_1PNPDE20091228_060339_000000502085_00292_40927_1120.N1	28-DEC-2009 06:03:39	Dark	50.000	71	lot Car	2.2460	7700.0	100	40927	No
97	GOM_TRA_1PNPDE20091228_060519_000000492085_00292_40927_1121.N1	28-DEC-2009 06:05:19	Dark	48.500	41	Eps Car	1.8600	4100.0	97	40927	No
98	GOM_TRA_1PNPDE20091228_060826_000000472085_00292_40927_1122.N1	28-DEC-2009 06:08:26	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	40927	No
99	GOM_TRA_1PNPDE20091228_061038_000000492085_00292_40927_1123.N1	28-DEC-2009 06:10:38	Dark	49.000	70	Zet Pup	2.2460	39000.	98	40927	No
100	GOM_TRA_1PNPDE20091228_061250_000000482085_00292_40927_1124.N1	28-DEC-2009 06:12:50	Dark	48.000	117	Pi Pup	2.7060	3800.0	96	40927	No
101	GOM_TRA_1PNPDE20091228_061544_000000472085_00292_40927_1125.N1	28-DEC-2009 06:15:44	Straylight	46.500	23	21Eps CMa	1.5020	26000.	93	40927	No
102	GOM_TRA_1PNPDE20091228_061719_000000482085_00292_40927_1126.N1	28-DEC-2009 06:17:19	Straylight	47.500	179	24Omi2CMa	3.0320	24000.	95	40927	No
103	GOM_TRA_1PNPDE20091228_061954_000000532085_00292_40927_1127.N1	28-DEC-2009 06:19:54	Straylight	52.500	1	9Alp CMa	-1.4400	11000.	105	40927	No
104	GOM_TRA_1PNPDE20091228_062225_000000422085_00292_40927_1128.N1	28-DEC-2009 06:22:25	Straylight	42.000	56	53Kap Ori	2.0650	30000.	84	40927	No
105	GOM_TRA_1PNPDE20091228_062457_000000452085_00292_40927_1129.N1	28-DEC-2009 06:24:57	Straylight	45.000	30	46Eps Ori	1.6940	30000.	90	40927	No
106	GOM_TRA_1PNPDE20091228_062736_000000562085_00292_40927_1130.N1	28-DEC-2009 06:27:36	Twilight_stray	55.500	14	58Alp Ori	0.87000	3000.0	111	40927	No
107	GOM_TRA_1PNPDE20091228_063109_000000602085_00292_40927_1131.N1	28-DEC-2009 06:31:09	Bright	60.000	44	24Gam Gem	1.9280	11000.	120	40927	No
108	GOM_TRA_1PNPDE20091228_063245_000000482085_00292_40927_1132.N1	28-DEC-2009 06:32:45	Bright	48.000	151	13Mu Gem	2.8900	3000.0	96	40927	No
109	GOM_TRA_1PNPDE20091228_063451_000000382085_00292_40927_1133.N1	28-DEC-2009 06:34:51	Bright	38.000	114	3lot Aur	2.6930	4600.0	76	40927	No
110	GOM_TRA_1PNPDE20091228_063641_000000402085_00292_40927_1134.N1	28-DEC-2009 06:36:41	Bright	39.500	107	37The Aur	2.6490	11000.	79	40927	No
111	GOM_TRA_1PNPDE20091228_063837_000000412085_00292_40927_1135.N1	28-DEC-2009 06:38:37	Bright	40.500	6	13Alp Aur	0.080000	3400.0	81	40927	No
112	GOM_TRA_1PNPDE20091228_065409_000000352085_00292_40927_1136.N1	28-DEC-2009 06:54:09	Twilight_stray	34.500	36	50Alp UMa	1.8000	6300.0	69	40927	No
113	GOM_TRA_1PNPDE20091228_193318_000000452085_00300_40935_1179.N1	28-DEC-2009 19:33:18	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	40935	No
114	GOM_TRA_1PNPDE20091228_193530_000000492085_00300_40935_1180.N1	28-DEC-2009 19:35:30	Dark	48.500	70	Zet Pup	2.2460	39000.	97	40935	No
115	GOM_TRA_1PNPDE20091228_193741_000000472085_00300_40935_1181.N1	28-DEC-2009 19:37:41	Dark	46.500	117	Pi Pup	2.7060	3800.0	93	40935	No
116	GOM_TRA_1PNPDE20091228_194034_000000502085_00300_40935_1182.N1	28-DEC-2009 19:40:34	Straylight	50.000	23	21Eps CMa	1.5020	26000.	100	40935	No
117	GOM_TRA_1PNPDE20091228_194209_000000452085_00300_40935_1183.N1	28-DEC-2009 19:42:09	Straylight	44.500	179	24Omi2CMa	3.0320	24000.	89	40935	No
118	GOM_TRA_1PNPDE20091228_194442_000000512085_00300_40935_1184.N1	28-DEC-2009 19:44:42	Straylight	51.000	1	9Alp CMa	-1.4400	11000.	102	40935	No
119	GOM_TRA_1PNPDE20091228_194713_000000432085_00300_40935_1185.N1	28-DEC-2009 19:47:13	Straylight	43.000	56	53Kap Ori	2.0650	30000.	86	40935	No
120	GOM_TRA_1PNPDE20091228_194945_000000442085_00300_40935_1186.N1	28-DEC-2009 19:49:45	Straylight	44.000	30	46Eps Ori	1.6940	30000.	88	40935	No
121	GOM_TRA_1PNPDE20091228_195222_000000572085_00300_40935_1187.N1	28-DEC-2009 19:52:22	Twilight_stray	57.000	14	58Alp Ori	0.87000	3000.0	114	40935	No
122	GOM_TRA_1PNPDE20091228_195553_000000572085_00300_40935_1188.N1	28-DEC-2009 19:55:53	Bright	56.500	44	24Gam Gem	1.9280	11000.	113	40935	No
123	GOM_TRA_1PNPDE20091228_195729_000000472085_00300_40935_1189.N1	28-DEC-2009 19:57:29	Bright	47.000	151	13Mu Gem	2.8900	3000.0	94	40935	No
124	GOM_TRA_1PNPDE20091228_195855_000000482085_00300_40935_1190.N1	28-DEC-2009 19:58:55	Bright	48.000	170	27Eps Gem	3.0000	9700.0	96	40935	No
125	GOM_TRA_1PNPDE20091228_200126_000000402085_00300_40935_1191.N1	28-DEC-2009 20:01:26	Bright	39.500	107	37The Aur	2.6490	11000.	79	40935	No
126	GOM_TRA_1PNPDE20091228_200323_000000452085_00300_40935_1192.N1	28-DEC-2009 20:03:23	Bright	44.500	6	13Alp Aur	0.080000	3400.0	89	40935	No
127	GOM_TRA_1PNPDE20091228_201852_000000312085_00300_40935_1193.N1	28-DEC-2009 20:18:52	Twilight_stray	31.000	36	50Alp UMa	1.8000	6300.0	62	40935	No
128	GOM_TRA_1PNPDE20091228_202001_000000402085_00300_40935_1194.N1	28-DEC-2009 20:20:01	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	40935	No

129	GOM_TRA_1PNPDE20091228_202355_000000482085_00300_40935_1195.N1	28-DEC-2009 20:23:55	Bright	48.000	32	77Eps UMa	1.7630	11000.	96	40935	No
130	GOM_TRA_1PNPDE20091228_202703_000000412085_00300_40935_1196.N1	28-DEC-2009 20:27:03	Bright	41.000	39	85Eta UMa	1.8540	24000.	82	40935	No
131	GOM_TRA_1PNPDE20091228_203057_000000602085_00300_40935_1197.N1	28-DEC-2009 20:30:57	Bright	60.000	180	27Gam Boo	3.0400	8000.0	120	40935	No
132	GOM_TRA_1PNPDE20091228_203431_000000592085_00300_40935_1198.N1	28-DEC-2009 20:34:31	Bright	59.000	83		2.3780	11000.	118	40935	No
133	GOM_TRA_1PNPDE20091228_203828_000000732085_00300_40935_1199.N1	28-DEC-2009 20:38:28	Bright	72.500	111	8Eta Boo	2.6800	6000.0	145	40935	No
134	GOM_TRA_1PNPDE20091228_204714_000000442085_00300_40935_1196.N1	28-DEC-2009 20:47:14	Tw_i_and_stray	43.500	122	9Alp2Lib	2.7470	9700.0	87	40935	No
135	GOM_TRA_1PNPDE20091228_205401_000000512085_00300_40935_1197.N1	28-DEC-2009 20:54:01	Dark	51.000	54	5The Cen	2.0550	4500.0	102	40935	No
136	GOM_TRA_1PNPDE20091228_205651_000000412085_00300_40935_1198.N1	28-DEC-2009 20:56:51	Dark	41.000	95	Zet Cen	2.5450	26000.	82	40935	No
137	GOM_TRA_1PNPDE20091228_210012_000000452085_00301_40936_1199.N1	28-DEC-2009 21:00:12	Dark	44.500	64	Gam Cen	2.2000	10600.	89	40936	No
138	GOM_TRA_1PNPDE20091228_210617_000000522085_00301_40936_1200.N1	28-DEC-2009 21:06:17	Dark	52.000	113	Mu Vel	2.6920	5000.0	104	40936	No
139	GOM_TRA_1PNPDE20091228_210907_000000422085_00301_40936_1201.N1	28-DEC-2009 21:09:07	Dark	41.500	71	lot Car	2.2460	7700.0	83	40936	No
140	GOM_TRA_1PNPDE20091228_211047_000000552085_00301_40936_1202.N1	28-DEC-2009 21:10:47	Dark	54.500	41	Eps Car	1.8600	4100.0	109	40936	No
141	GOM_TRA_1PNPDE20091228_211354_000000472085_00301_40936_1203.N1	28-DEC-2009 21:13:54	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	40936	No
142	GOM_TRA_1PNPDE20091228_211606_000000482085_00301_40936_1204.N1	28-DEC-2009 21:16:06	Dark	47.500	70	Zet Pup	2.2460	39000.	95	40936	No
143	GOM_TRA_1PNPDE20091228_211817_000000492085_00301_40936_1205.N1	28-DEC-2009 21:18:17	Dark	49.000	117	Pi Pup	2.7060	3800.0	98	40936	No
144	GOM_TRA_1PNPDE20091228_212110_000000472085_00301_40936_1206.N1	28-DEC-2009 21:21:10	Straylight	47.000	23	21Eps CMa	1.5020	26000.	94	40936	No
145	GOM_TRA_1PNPDE20091228_212245_000000462085_00301_40936_1207.N1	28-DEC-2009 21:22:45	Straylight	45.500	179	24Omi2CMa	3.0320	24000.	91	40936	No
146	GOM_TRA_1PNPDE20091228_212518_000000512085_00301_40936_1208.N1	28-DEC-2009 21:25:18	Straylight	51.000	1	9Alp CMa	-1.4400	11000.	102	40936	No
147	GOM_TRA_1PNPDE20091228_212749_000000442085_00301_40936_1209.N1	28-DEC-2009 21:27:49	Straylight	43.500	56	53Kap Ori	2.0650	30000.	87	40936	No
148	GOM_TRA_1PNPDE20091228_213021_000000442085_00301_40936_1210.N1	28-DEC-2009 21:30:21	Straylight	43.500	30	46Eps Ori	1.6940	30000.	87	40936	No
149	GOM_TRA_1PNPDE20091228_213258_000000572085_00301_40936_1211.N1	28-DEC-2009 21:32:58	Tw_i_and_stray	57.000	14	58Alp Ori	0.87000	3000.0	114	40936	No
150	GOM_TRA_1PNPDE20091228_213628_000000652085_00301_40936_1212.N1	28-DEC-2009 21:36:28	Bright	64.500	44	24Gam Gem	1.9280	11000.	129	40936	No
151	GOM_TRA_1PNPDE20091228_213805_000000502085_00301_40936_1213.N1	28-DEC-2009 21:38:05	Bright	50.000	151	13Mu Gem	2.8900	3000.0	100	40936	No
152	GOM_TRA_1PNPDE20091228_213930_000000472085_00301_40936_1214.N1	28-DEC-2009 21:39:30	Bright	47.000	170	27Eps Gem	3.0000	9700.0	94	40936	No
153	GOM_TRA_1PNPDE20091228_214202_000000392085_00301_40936_1215.N1	28-DEC-2009 21:42:02	Bright	38.500	107	37The Aur	2.6490	11000.	77	40936	No
154	GOM_TRA_1PNPDE20091228_214359_000000412085_00301_40936_1216.N1	28-DEC-2009 21:43:59	Bright	40.500	6	13Alp Aur	0.080000	3400.0	81	40936	No
155	GOM_TRA_1PNPDE20091228_215927_000000302085_00301_40936_1217.N1	28-DEC-2009 21:59:27	Tw_i_and_stray	30.000	36	50Alp UMa	1.8000	6300.0	60	40936	No
156	GOM_TRA_1PNPDE20091228_220037_000000392085_00301_40936_1218.N1	28-DEC-2009 22:00:37	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	40936	No
157	GOM_TRA_1PNPDE20091228_220431_000000442085_00301_40936_1219.N1	28-DEC-2009 22:04:31	Bright	43.500	32	77Eps UMa	1.7630	11000.	87	40936	No
158	GOM_TRA_1PNPDE20091228_220739_000000452085_00301_40936_1220.N1	28-DEC-2009 22:07:39	Bright	44.500	39	85Eta UMa	1.8540	24000.	89	40936	No
159	GOM_TRA_1PNPDE20091228_221133_000000392085_00301_40936_1221.N1	28-DEC-2009 22:11:33	Bright	38.500	180	27Gam Boo	3.0400	8000.0	77	40936	No
160	GOM_TRA_1PNPDE20091228_221507_000000592085_00301_40936_1222.N1	28-DEC-2009 22:15:07	Bright	59.000	83		2.3780	11000.	118	40936	No
161	GOM_TRA_1PNPDE20091228_221904_000000682085_00301_40936_1223.N1	28-DEC-2009 22:19:04	Bright	68.000	111	8Eta Boo	2.6800	6000.0	136	40936	No
162	GOM_TRA_1PNPDE20091228_222517_000000542085_00301_40936_1224.N1	28-DEC-2009 22:25:17	Bright	54.000	104	27Bet Lib	2.6140	13100.	108	40936	No
163	GOM_TRA_1PNPDE20091228_222751_000000452085_00301_40936_1217.N1	28-DEC-2009 22:27:51	Tw_i_and_stray	45.000	122	9Alp2Lib	2.7470	9700.0	90	40936	Yes
164	GOM_TRA_1PNPDE20091228_223438_000000562085_00301_40936_1218.N1	28-DEC-2009 22:34:38	Dark	56.000	54	5The Cen	2.0550	4500.0	112	40936	No
165	GOM_TRA_1PNPDE20091228_223728_000000412085_00301_40936_1219.N1	28-DEC-2009 22:37:28	Dark	40.500	95	Zet Cen	2.5450	26000.	81	40936	No
166	GOM_TRA_1PNPDE20091228_224049_000000432085_00302_40937_1220.N1	28-DEC-2009 22:40:49	Dark	42.500	64	Gam Cen	2.2000	10600.	85	40937	No
167	GOM_TRA_1PNPDE20091228_224654_000000472085_00302_40937_1221.N1	28-DEC-2009 22:46:54	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	40937	No
168	GOM_TRA_1PNPDE20091228_224944_000000412085_00302_40937_1222.N1	28-DEC-2009 22:49:44	Dark	40.500	71	lot Car	2.2460	7700.0	81	40937	No
169	GOM_TRA_1PNPDE20091228_225123_000000512085_00302_40937_1223.N1	28-DEC-2009 22:51:23	Dark	51.000	41	Eps Car	1.8600	4100.0	102	40937	No
170	GOM_TRA_1PNPDE20091228_225430_000000452085_00302_40937_1224.N1	28-DEC-2009 22:54:30	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	40937	No
171	GOM_TRA_1PNPDE20091228_225643_000000452085_00302_40937_1225.N1	28-DEC-2009 22:56:43	Dark	45.000	70	Zet Pup	2.2460	39000.	90	40937	No
172	GOM_TRA_1PNPDE20091228_225853_000000482085_00302_40937_1226.N1	28-DEC-2009 22:58:53	Dark	48.000	117	Pi Pup	2.7060	3800.0	96	40937	No
173	GOM_TRA_1PNPDE20091228_230146_000000462085_00302_40937_1227.N1	28-DEC-2009 23:01:46	Straylight	45.500	23	21Eps CMa	1.5020	26000.	91	40937	No
174	GOM_TRA_1PNPDE20091228_230321_000000472085_00302_40937_1228.N1	28-DEC-2009 23:03:21	Straylight	47.000	179	24Omi2CMa	3.0320	24000.	94	40937	No
175	GOM_TRA_1PNPDE20091228_230554_000000512085_00302_40937_1229.N1	28-DEC-2009 23:05:54	Straylight	50.500	1	9Alp CMa	-1.4400	11000.	101	40937	No
176	GOM_TRA_1PNPDE20091228_230825_000000442085_00302_40937_1230.N1	28-DEC-2009 23:08:25	Straylight	43.500	56	53Kap Ori	2.0650	30000.	87	40937	No
177	GOM_TRA_1PNPDE20091228_231057_000000422085_00302_40937_1231.N1	28-DEC-2009 23:10:57	Straylight	42.000	30	46Eps Ori	1.6940	30000.	84	40937	No
178	GOM_TRA_1PNPDE20091228_231334_000000522085_00302_40937_1232.N1	28-DEC-2009 23:13:34	Tw_i_and_stray	51.500	14	58Alp Ori	0.87000	3000.0	103	40937	No
179	GOM_TRA_1PNPDE20091228_231704_000000612085_00302_40937_1233.N1	28-DEC-2009 23:17:04	Bright	61.000	44	24Gam Gem	1.9280	11000.	122	40937	No
180	GOM_TRA_1PNPDE20091228_231840_000000482085_00302_40937_1234.N1	28-DEC-2009 23:18:40	Bright	47.500	151	13Mu Gem	2.8900	3000.0	95	40937	No
181	GOM_TRA_1PNPDE20091228_232005_000000502085_00302_40937_1235.N1	28-DEC-2009 23:20:05	Bright	49.500	170	27Eps Gem	3.0000	9700.0	99	40937	No
182	GOM_TRA_1PNPDE20091228_232237_000000402085_00302_40937_1236.N1	28-DEC-2009 23:22:37	Bright	39.500	107	37The Aur	2.6490	11000.	79	40937	No
183	GOM_TRA_1PNPDE20091228_232435_000000412085_00302_40937_1237.N1	28-DEC-2009 23:24:35	Bright	40.500	6	13Alp Aur	0.080000	3400.0	81	40937	No
184	GOM_TRA_1PNPDE20091228_234002_000000302085_00302_40937_1238.N1	28-DEC-2009 23:40:02	Tw_i_and_stray	30.000	36	50Alp UMa	1.8000	6300.0	60	40937	No
185	GOM_TRA_1PNPDE20091228_234113_000000372085_00302_40937_1239.N1	28-DEC-2009 23:41:13	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	40937	No
186	GOM_TRA_1PNPDE20091228_234506_000000502085_00302_40937_1240.N1	28-DEC-2009 23:45:06	Bright	50.000	32	77Eps UMa	1.7630	11000.	100	40937	No
187	GOM_TRA_1PNPDE20091228_234815_000000422085_00302_40937_1241.N1	28-DEC-2009 23:48:15	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	40937	No

188	GOM_TRA_1PNPDE20091228_235209_000000602085_00302_40937_1242.N1	28-DEC-2009 23:52:09	Bright	60.000	180	27Gam Boo	3.0400	8000.0	120	40937	No
189	GOM_TRA_1PNPDE20091228_235543_000000592085_00302_40937_1243.N1	28-DEC-2009 23:55:43	Bright	59.000	83		2.3780	11000.	118	40937	No
190	GOM_TRA_1PNPDE20091228_235940_000000502085_00302_40937_1244.N1	28-DEC-2009 23:59:40	Bright	50.000	111	8Eta Boo	2.6800	6000.0	100	40937	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.

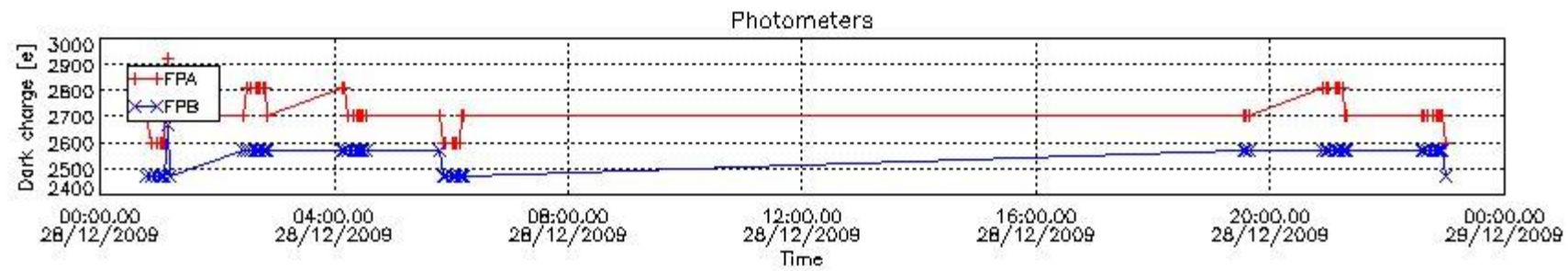
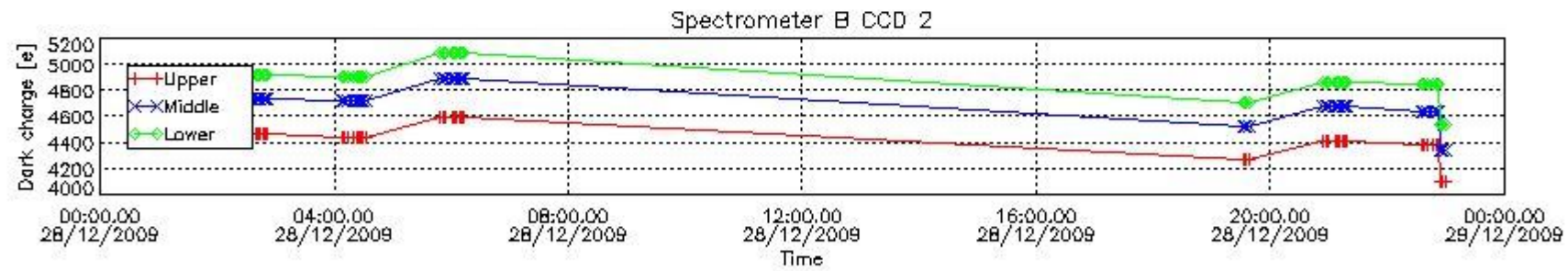
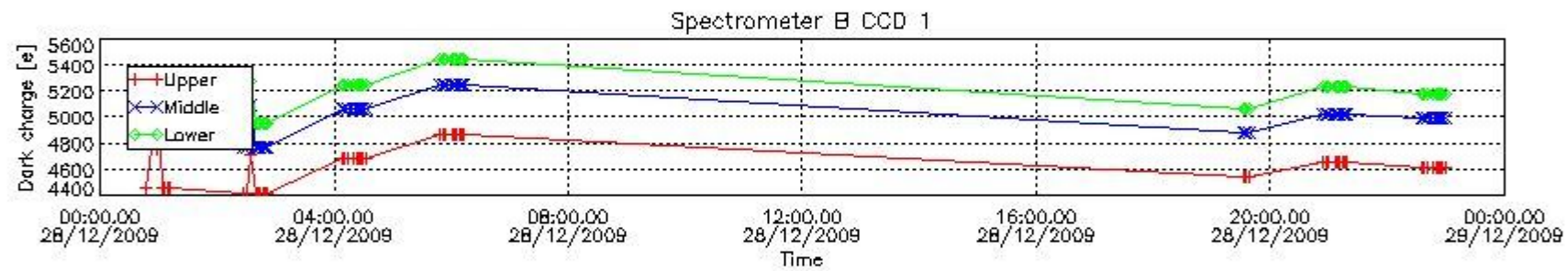
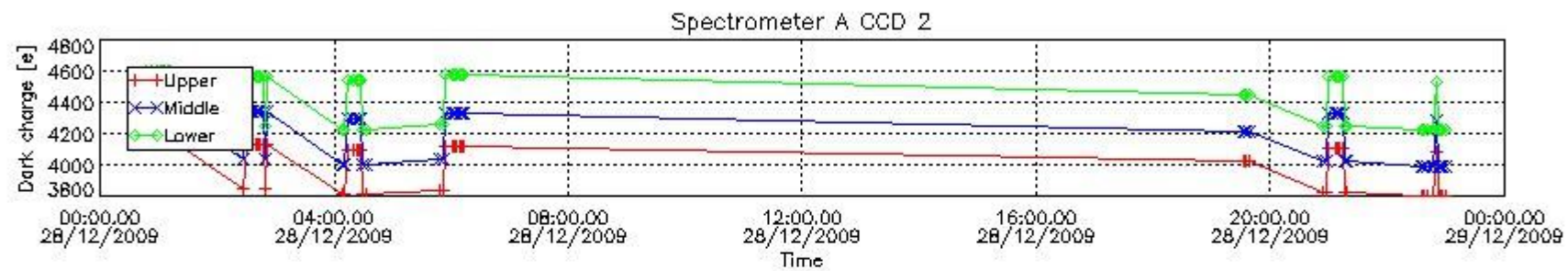
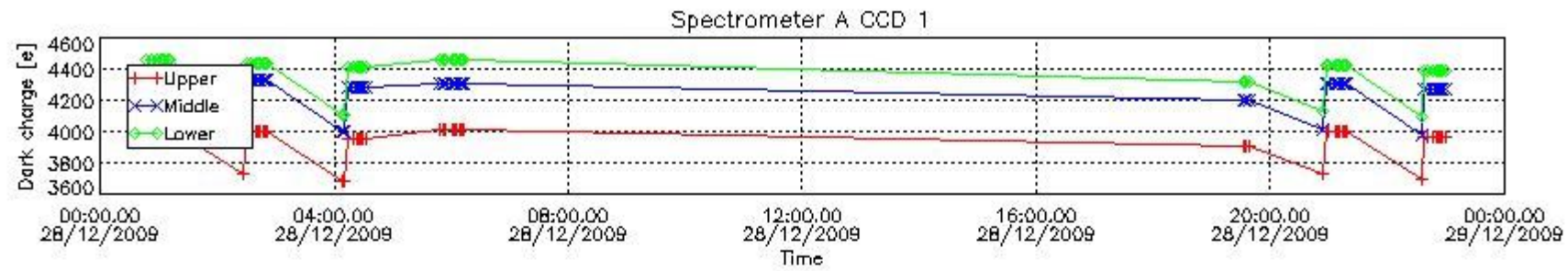
#### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20091228_193318_000000452085_00300_40935_1179.N1	DC map used
GOM_TRA_1PNPDE20091228_193530_000000492085_00300_40935_1180.N1	DC map used
GOM_TRA_1PNPDE20091228_193741_000000472085_00300_40935_1181.N1	DC map used
GOM_TRA_1PNPDE20091228_194034_000000502085_00300_40935_1182.N1	DC map used
GOM_TRA_1PNPDE20091228_194209_000000452085_00300_40935_1183.N1	DC map used
GOM_TRA_1PNPDE20091228_194442_000000512085_00300_40935_1184.N1	DC map used
GOM_TRA_1PNPDE20091228_194713_000000432085_00300_40935_1185.N1	DC map used



GOM_TRA_1PNPDE20091228_194945_000000442085_00300_40935_1186.N1	DC map used
GOM_TRA_1PNPDE20091228_195222_000000572085_00300_40935_1187.N1	DC map used
GOM_TRA_1PNPDE20091228_195553_000000572085_00300_40935_1188.N1	DC map used
GOM_TRA_1PNPDE20091228_195729_000000472085_00300_40935_1189.N1	DC map used
GOM_TRA_1PNPDE20091228_195855_000000482085_00300_40935_1190.N1	DC map used
GOM_TRA_1PNPDE20091228_200126_000000402085_00300_40935_1191.N1	DC map used
GOM_TRA_1PNPDE20091228_200323_000000452085_00300_40935_1192.N1	DC map used
GOM_TRA_1PNPDE20091228_201852_000000312085_00300_40935_1193.N1	DC map used
GOM_TRA_1PNPDE20091228_202001_000000402085_00300_40935_1194.N1	DC map used
GOM_TRA_1PNPDE20091228_202355_000000482085_00300_40935_1195.N1	DC map used
GOM_TRA_1PNPDE20091228_202703_000000412085_00300_40935_1196.N1	DC map used
GOM_TRA_1PNPDE20091228_203057_000000602085_00300_40935_1197.N1	DC map used
GOM_TRA_1PNPDE20091228_203431_000000592085_00300_40935_1198.N1	DC map used
GOM_TRA_1PNPDE20091228_203828_000000732085_00300_40935_1199.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

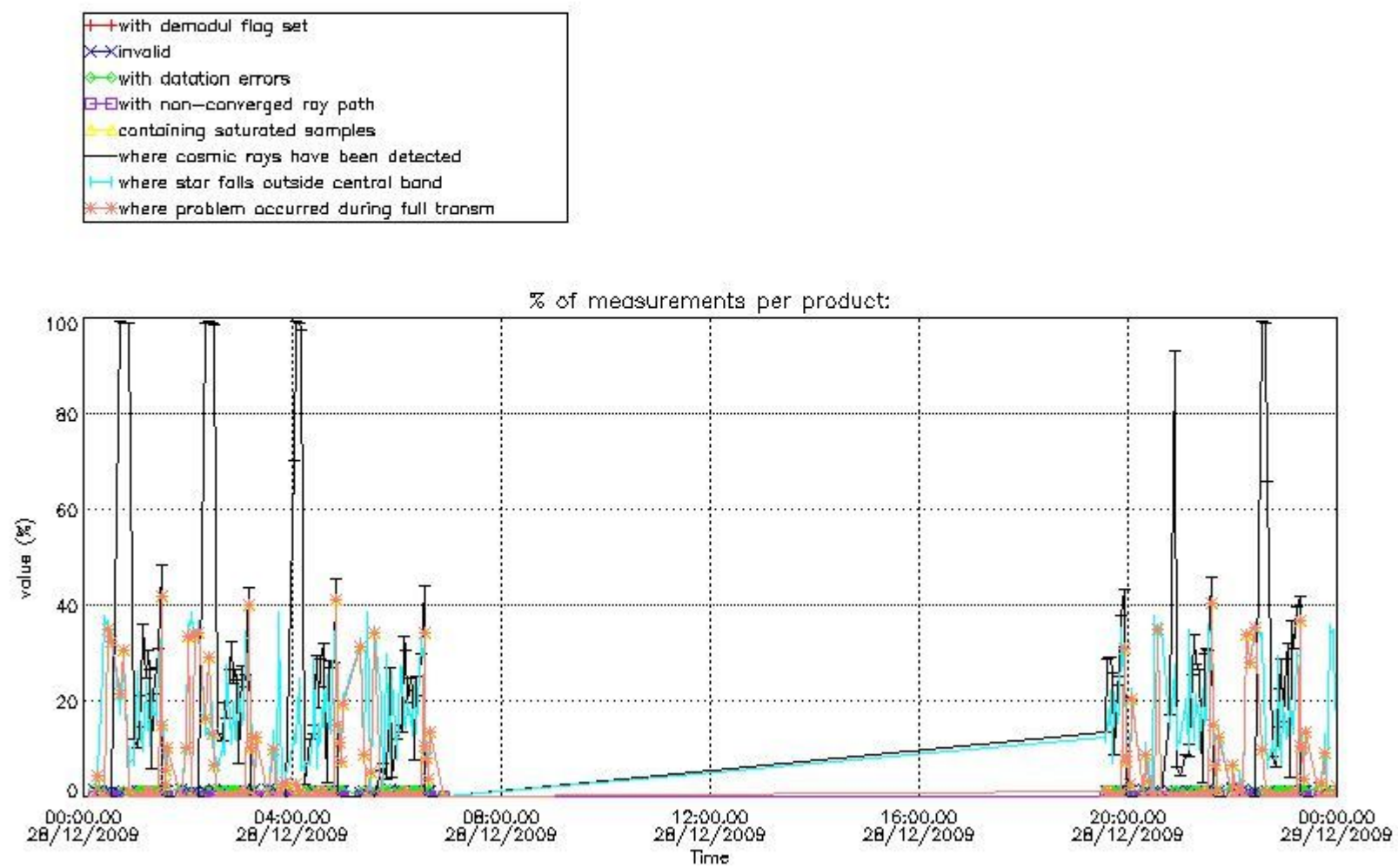
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

### 5.1 Percentage of products during reporting period with:

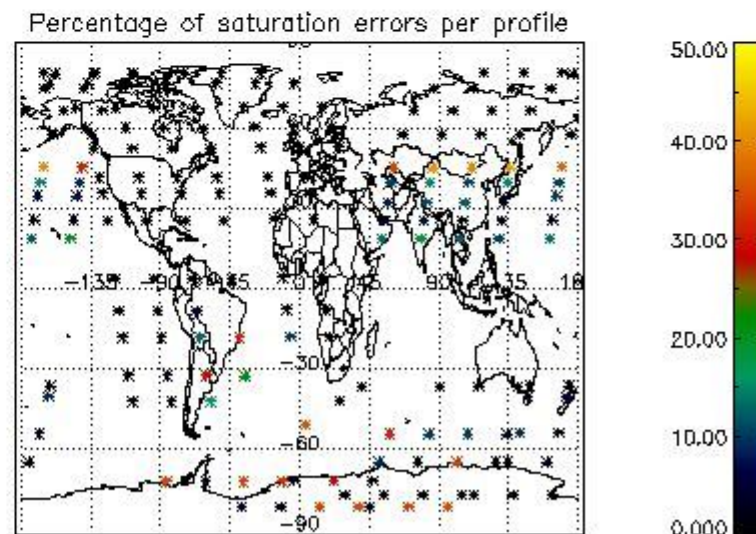
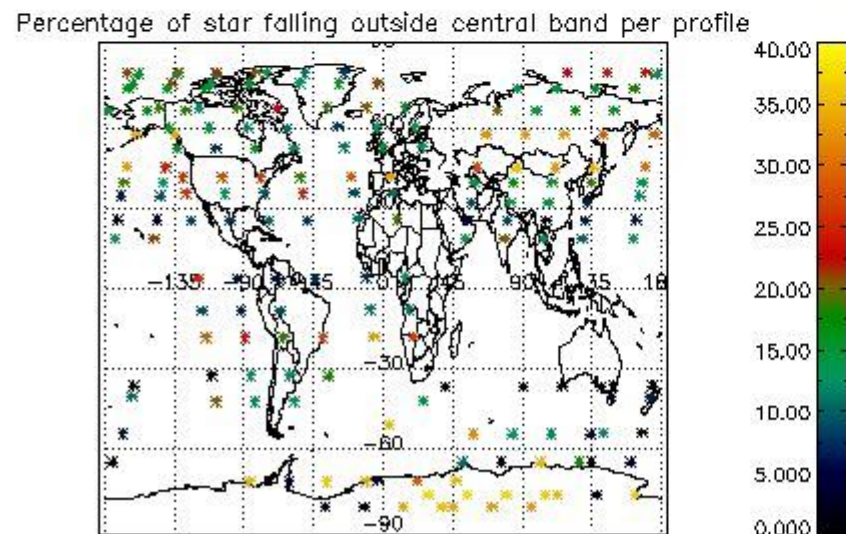
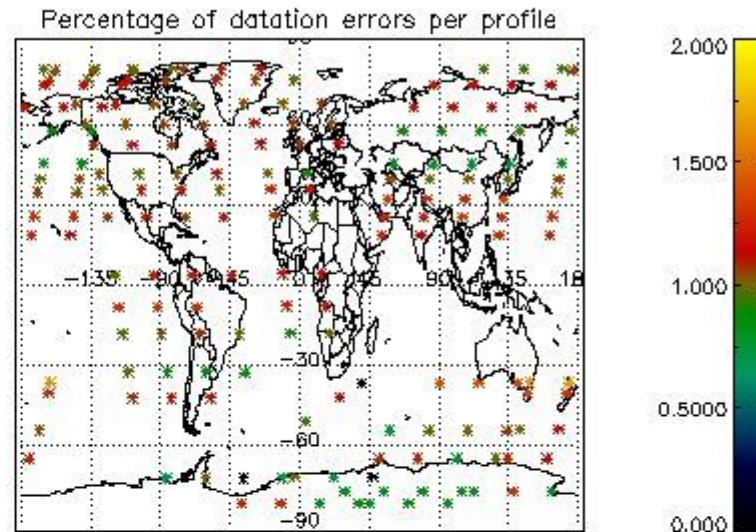
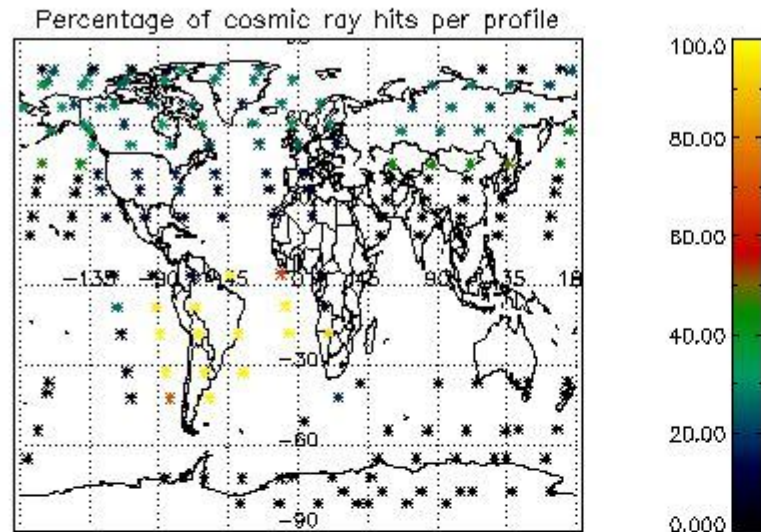


At least one measurement with demodulation flag set:	40.6417 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

### 5.2 Plot quality information per product (time dependant)



### 5.3 Plot quality information per product (world map)



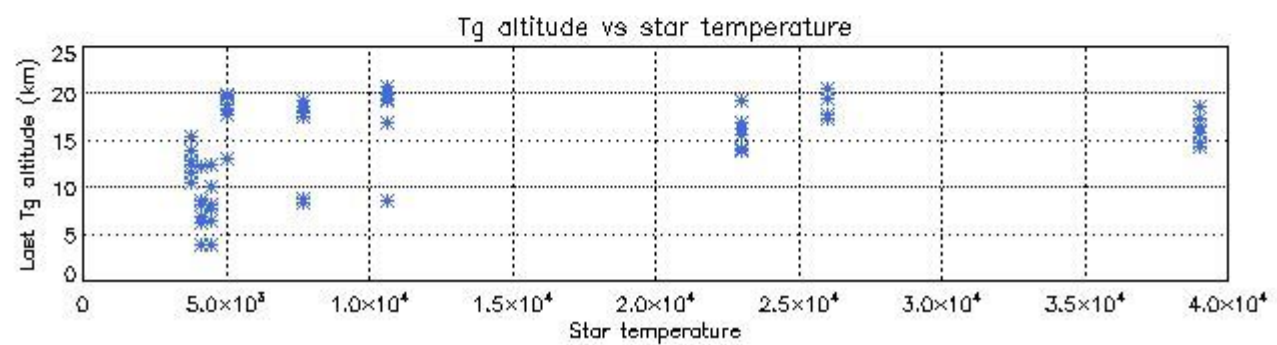
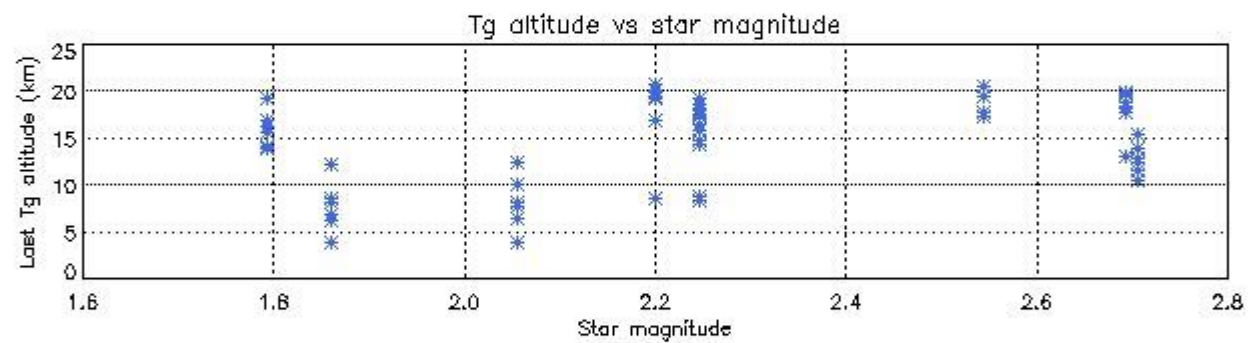
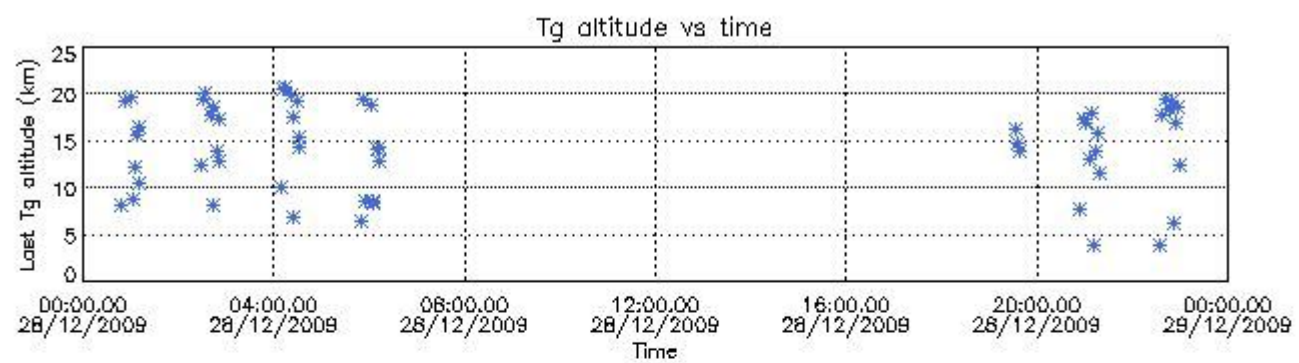
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.309	14.922	NaN
St. deviation:	4.6666	9.5813	NaN
Maximum:	20.703	47.215	NaN
Minimum:	3.9159	3.7859	NaN
Number of data:	56.000	77.000	NaN

### 6.2 Plot for DARK limb products

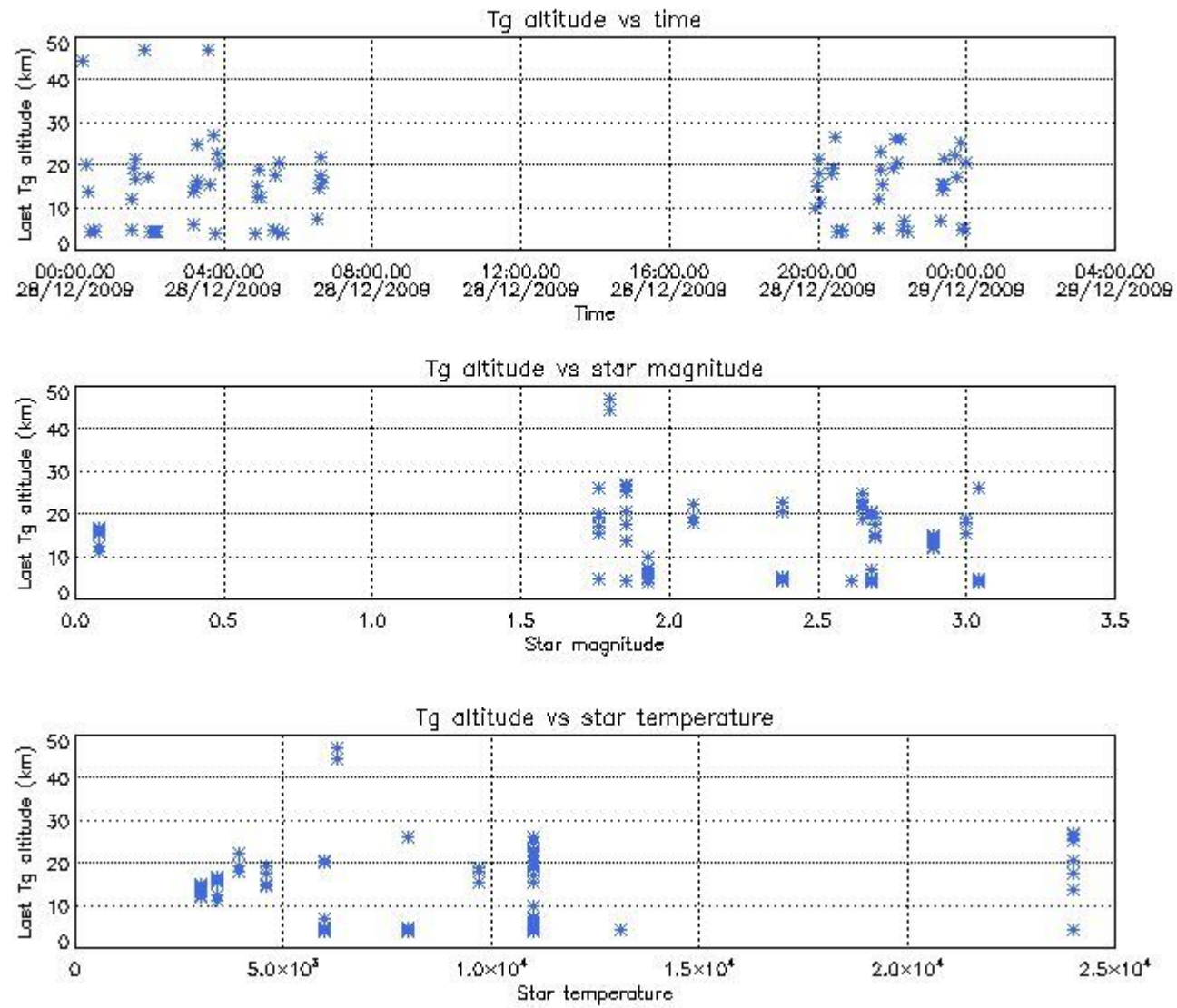
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products



Tangent altitude at which the star is lost

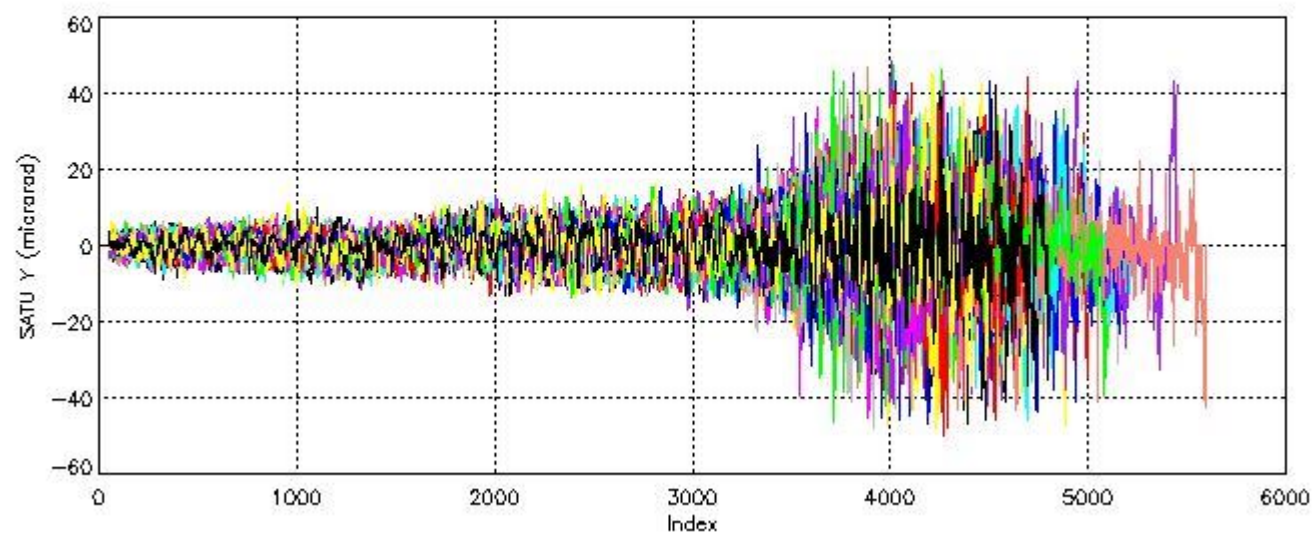
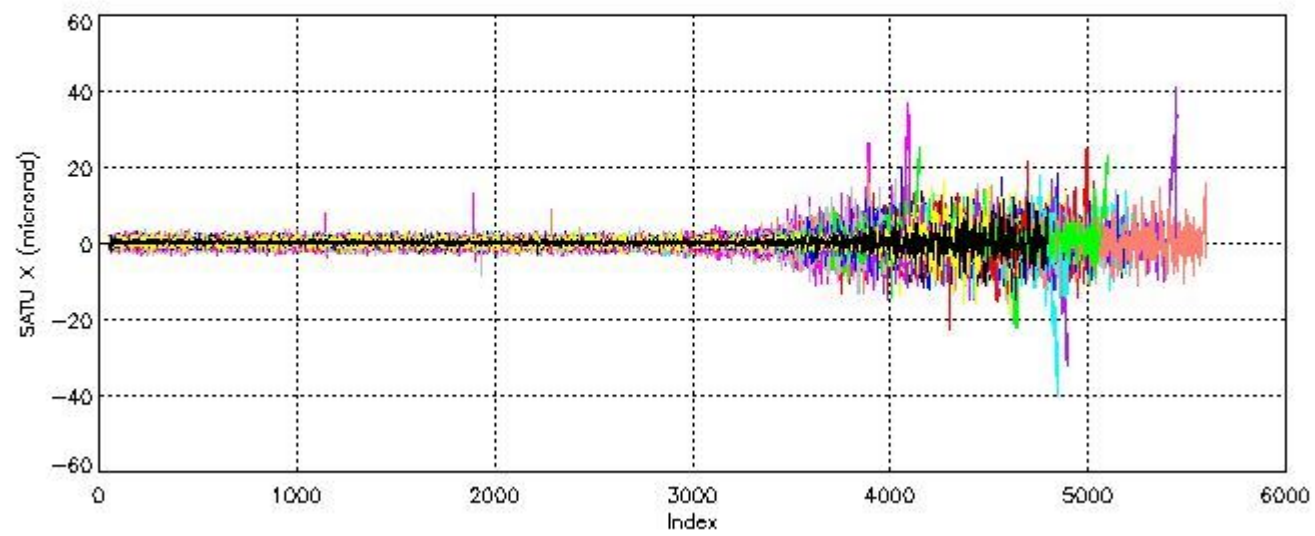


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.21101	-0.00092141	0.20589	-0.076215
St. deviation:	0.55442	2.0506	0.69962	2.5056
Maximum:	3.6000	11.100	6.0000	10.700
Minimum:	-3.4000	-10.400	-5.0000	-11.500

Number of data:	54900.	54900.	78050.	78050.
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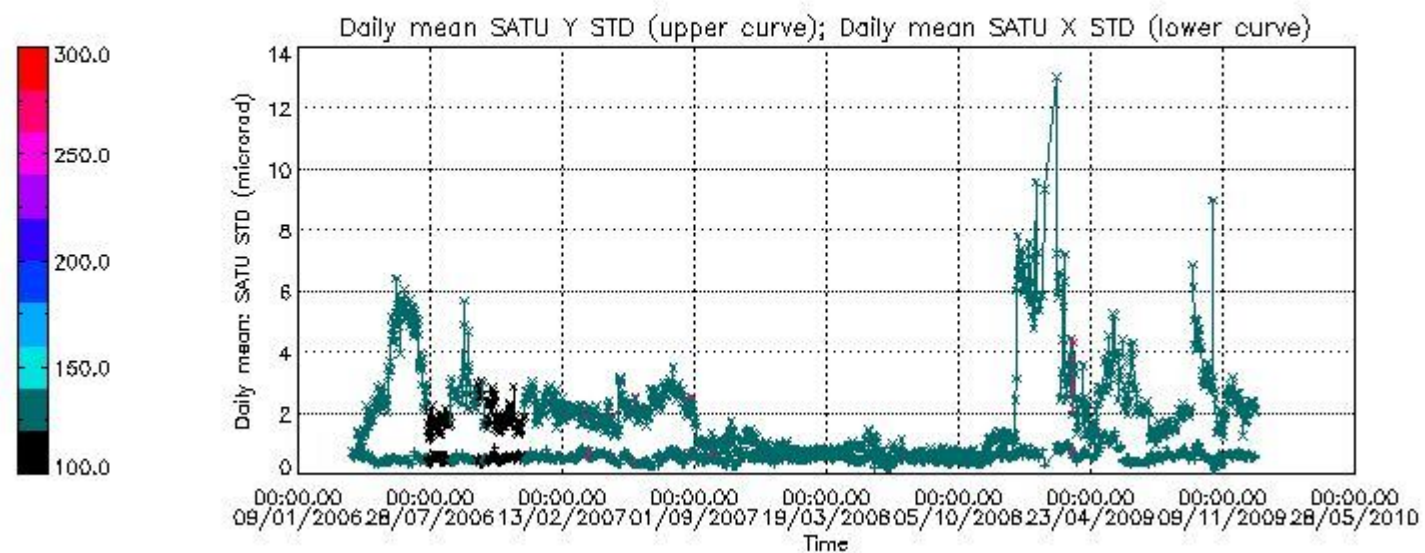
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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



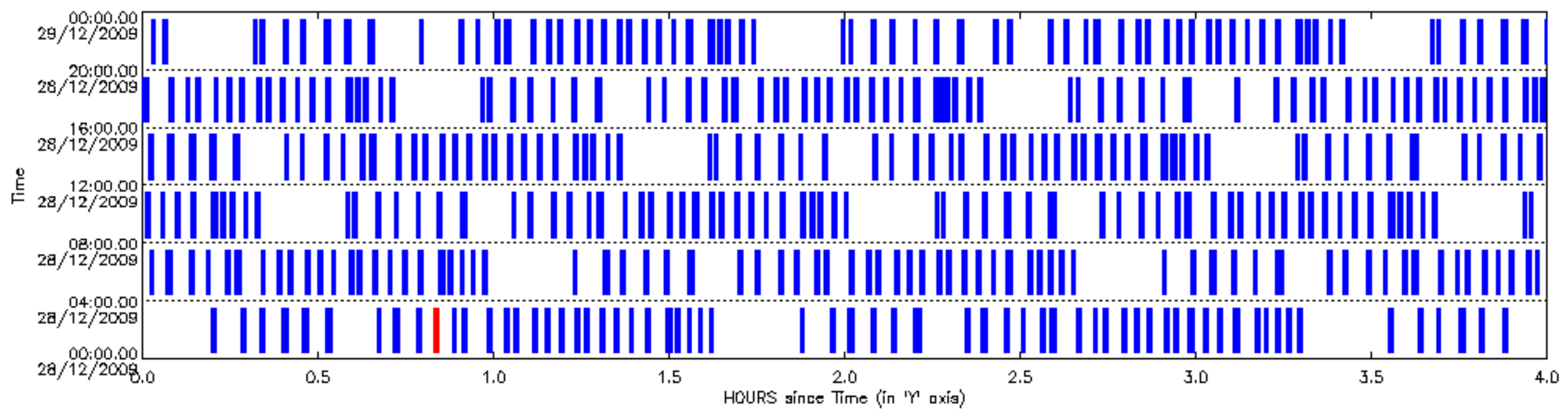
### 8. Auxiliary Data Files used for the production reported in section 2.4

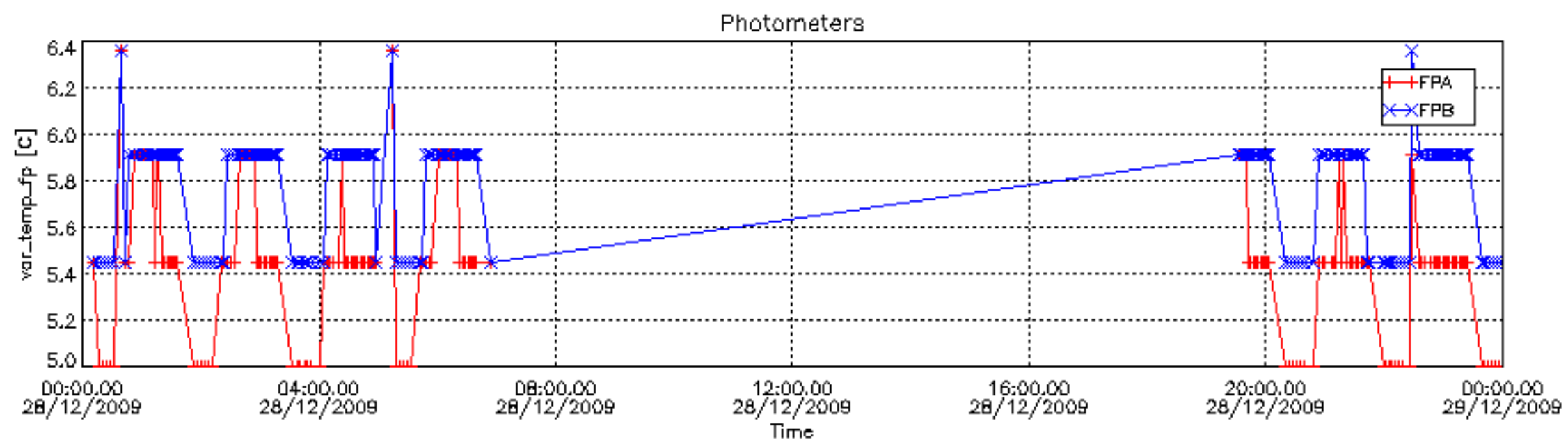
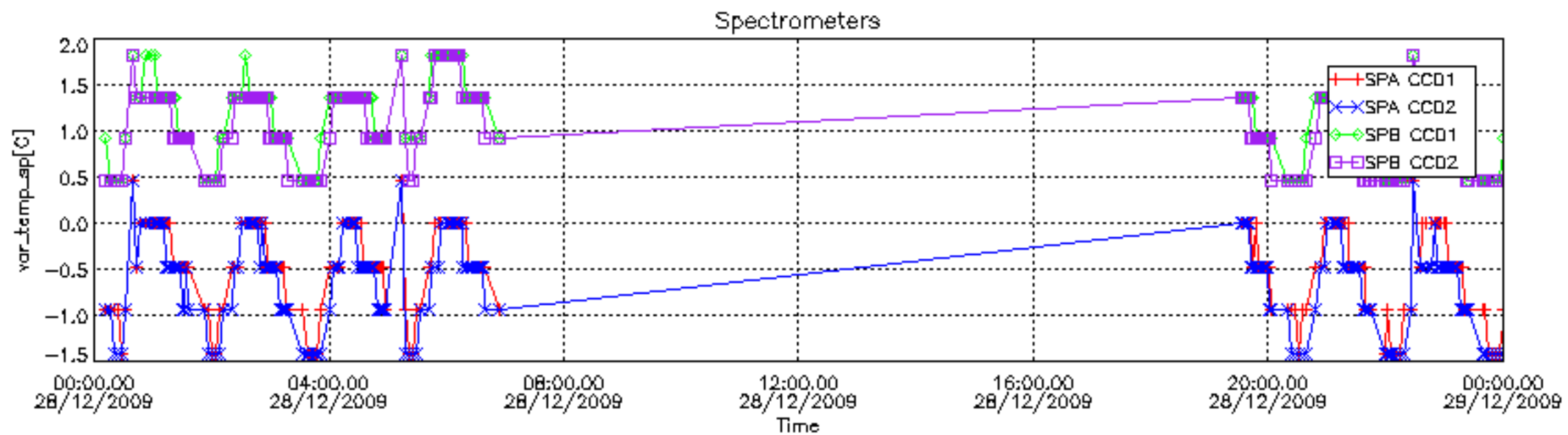
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	28-DEC-2009 00:11:48
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091214_085046_20091212_000000_20500101_000000	1	28-DEC-2009 00:11:48
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091222_083206_20091220_000000_20500101_000000	113	28-DEC-2009 19:33:18
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	28-DEC-2009 00:11:48
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	28-DEC-2009 00:11:48
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	28-DEC-2009 00:11:48
ECMWF_FILE	AUX_ECF_AXNECM20091227_062750_20091227_210000_20091228_090000	1	28-DEC-2009 00:11:48
ECMWF_FILE	AUX_ECF_AXNECM20091227_181520_20091228_030000_20091228_150000	56	28-DEC-2009 03:32:58
ECMWF_FILE	AUX_ECA_AXNECM20091228_060111_20091227_210000_20091228_090000	84	28-DEC-2009 05:13:34
ECMWF_FILE	AUX_ECA_AXNECM20091228_175704_20091228_090000_20091228_210000	113	28-DEC-2009 19:33:18
ECMWF_FILE	AUX_ECF_AXNECM20091228_062111_20091228_150000_20091229_030000	134	28-DEC-2009 20:47:14
ECMWF_FILE	AUX_ECF_AXNECM20091228_062111_20091228_210000_20091229_090000	163	28-DEC-2009 22:27:51
OPTIONAL_ECMWF_FILE	MISSING	1	28-DEC-2009 00:11:48
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091227_225316_000060572085_00287_40922_9447.N1	1	28-DEC-2009 00:11:48
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091228_003932_000054192085_00288_40923_9448.N1	7	28-DEC-2009 00:39:57
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091228_021510_000041442085_00289_40924_9449.N1	34	28-DEC-2009 02:20:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091228_032933_000057382085_00290_40925_9450.N1	56	28-DEC-2009 03:32:58
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20091227_235520_20091227_195003_20100106_211617	84	28-DEC-2009 05:13:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091228_193114_000041442085_00300_40935_9452.N1	113	28-DEC-2009 19:33:18
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091228_204019_000060572085_00300_40935_9453.N1	134	28-DEC-2009 20:47:14

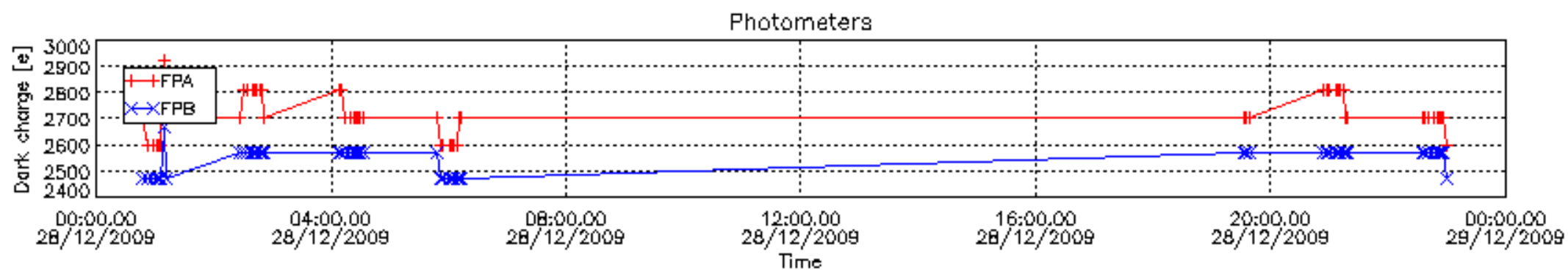
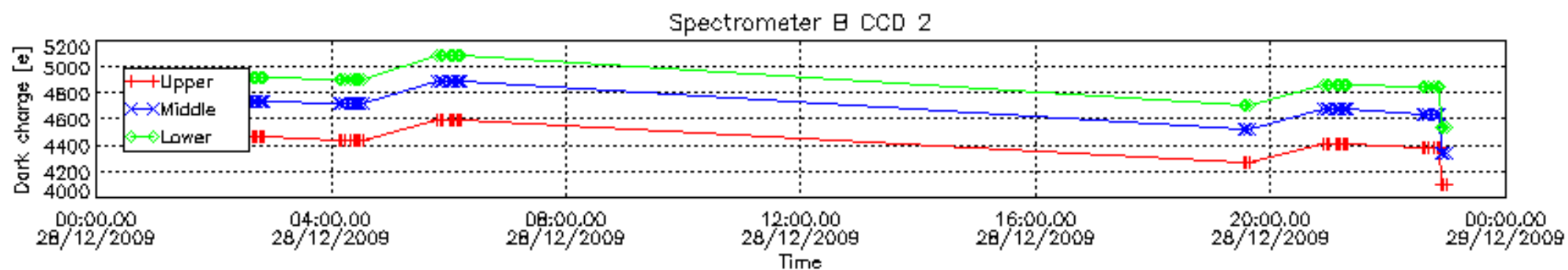
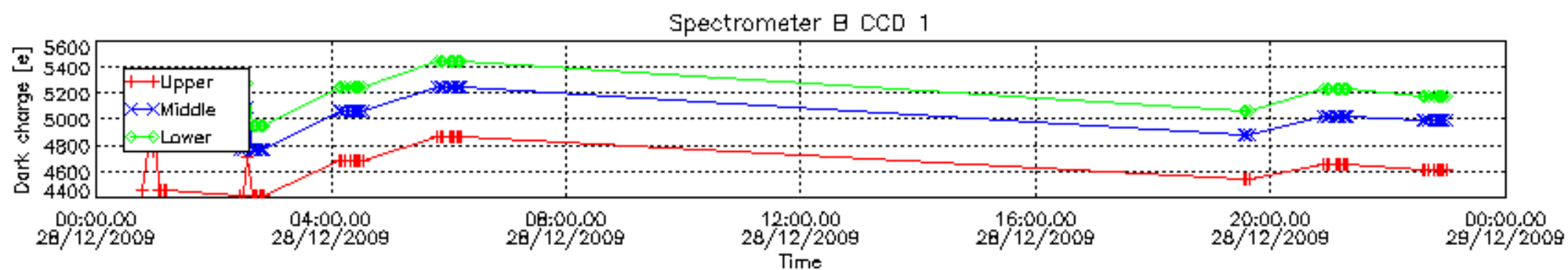
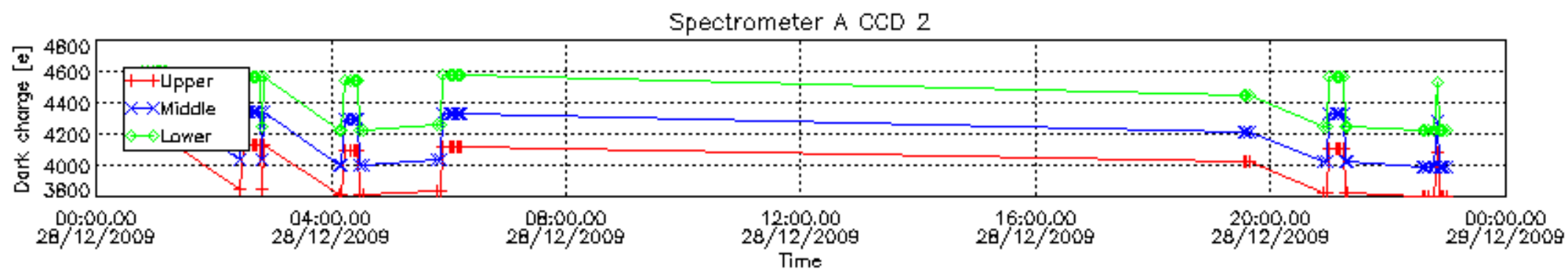
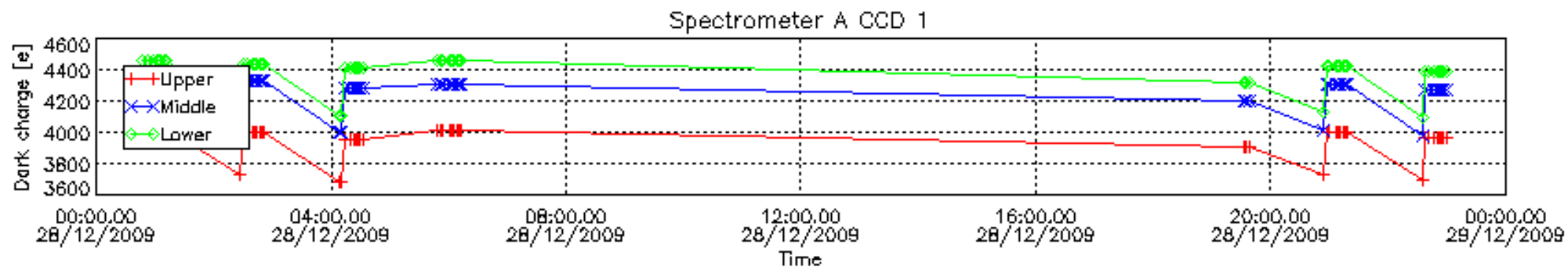


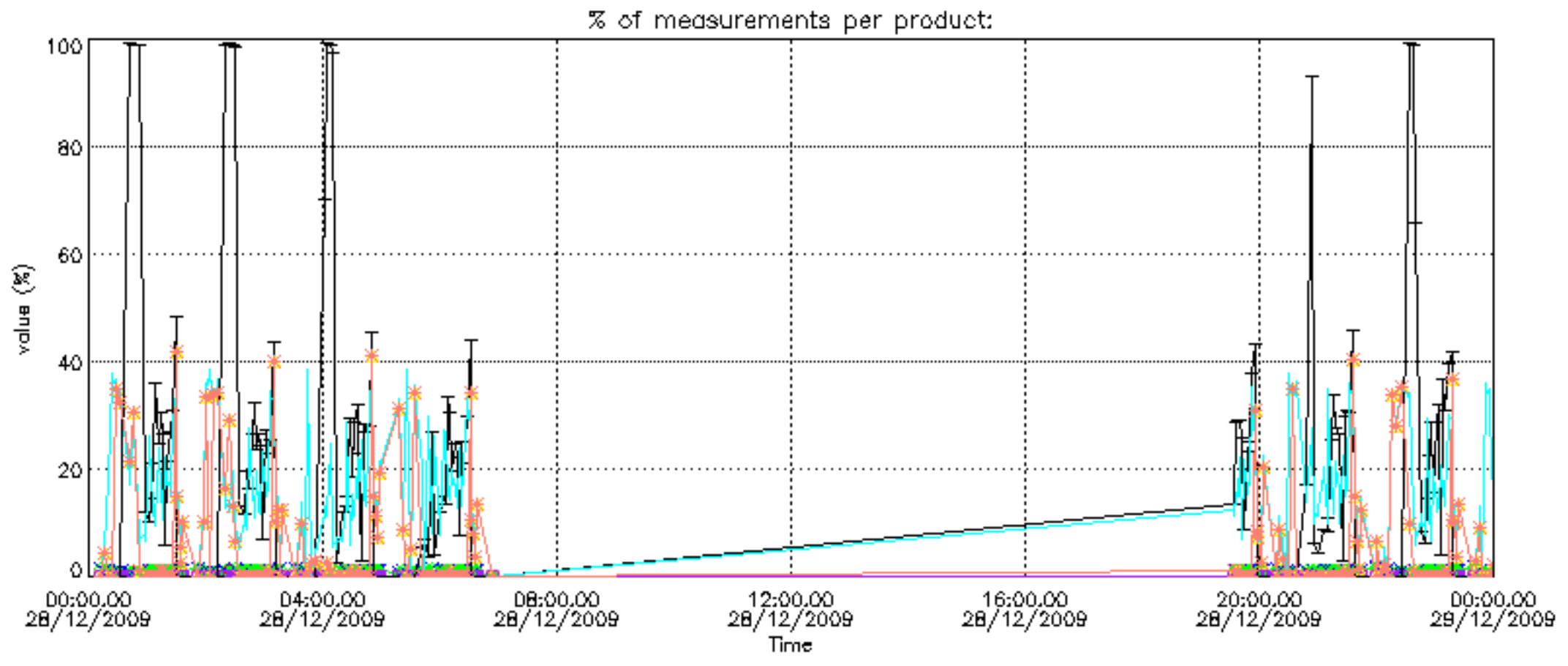
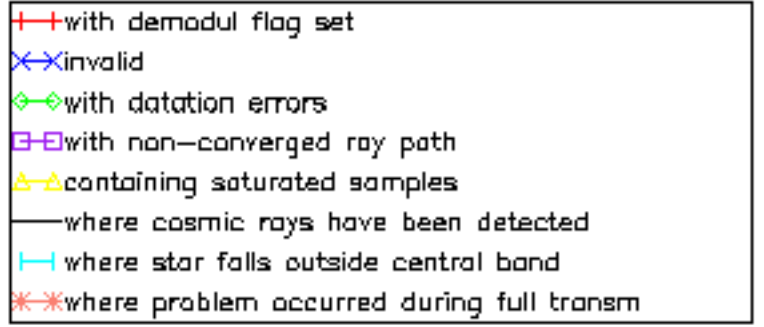




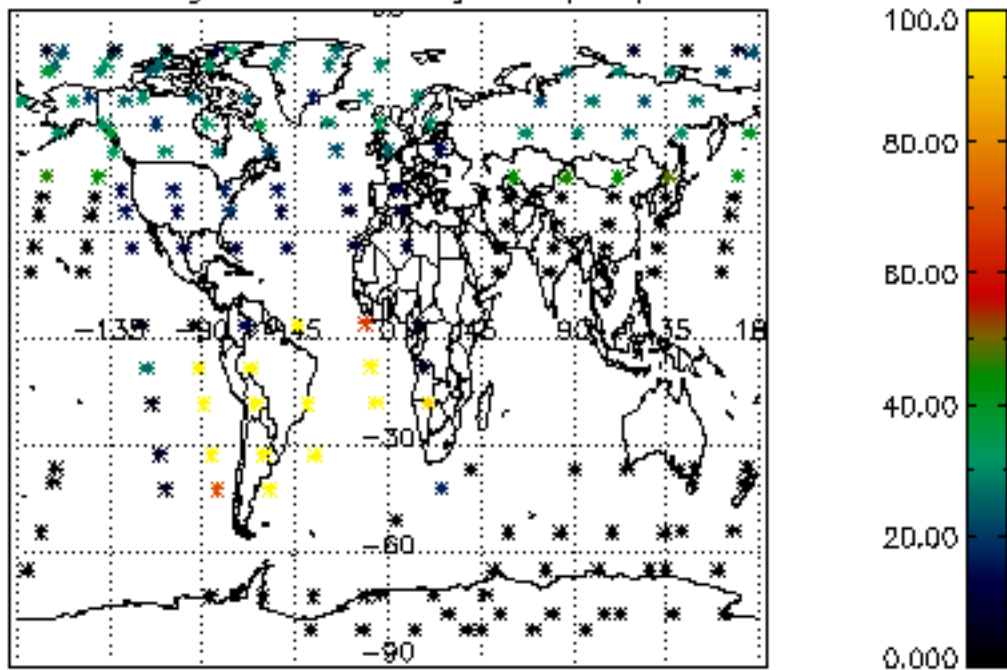




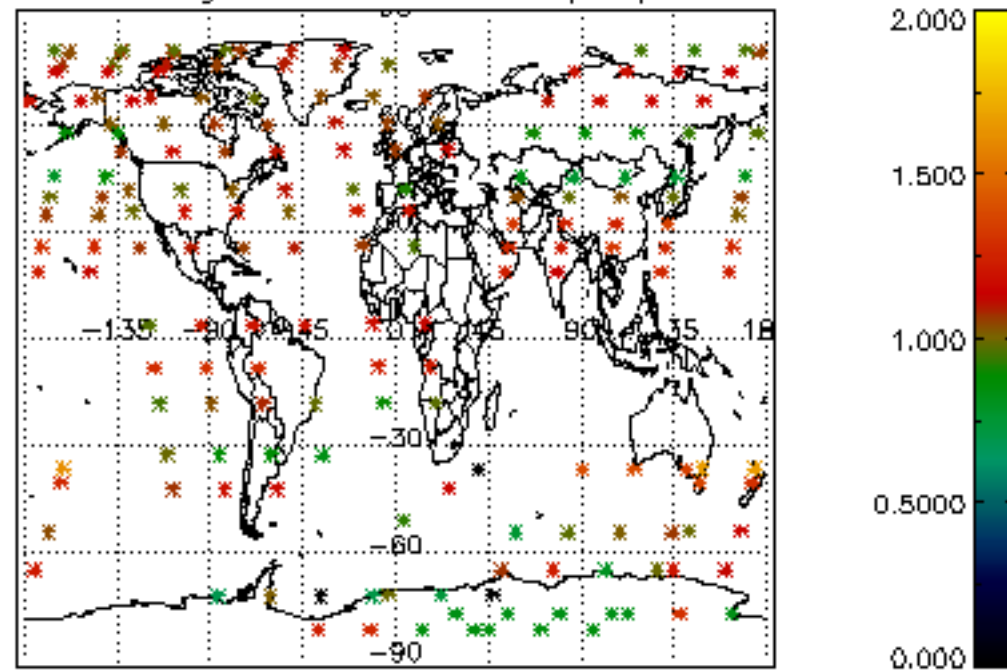




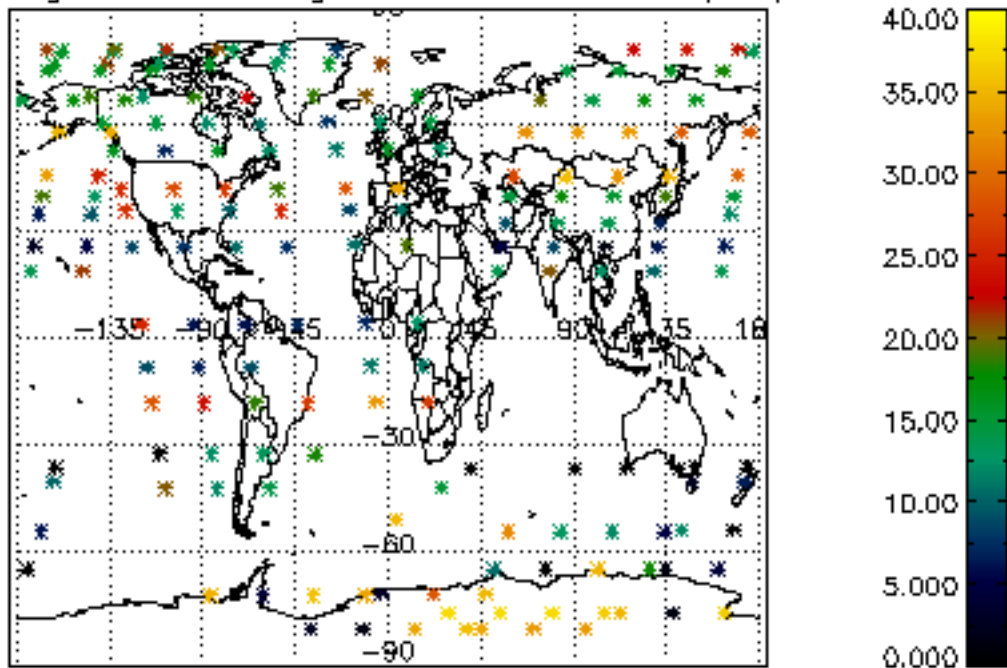
Percentage of cosmic ray hits per profile



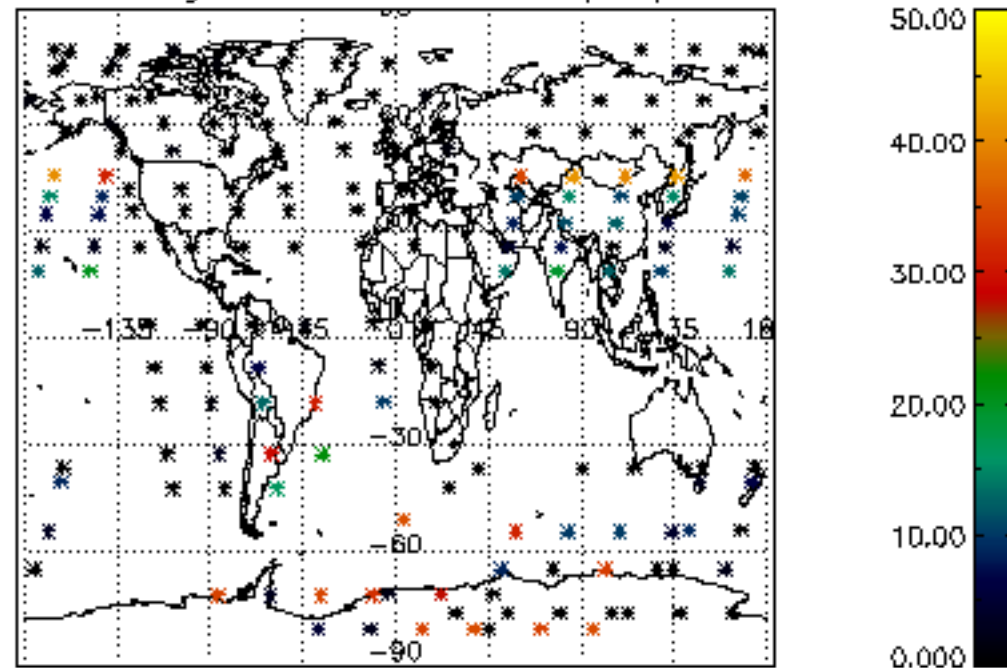
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

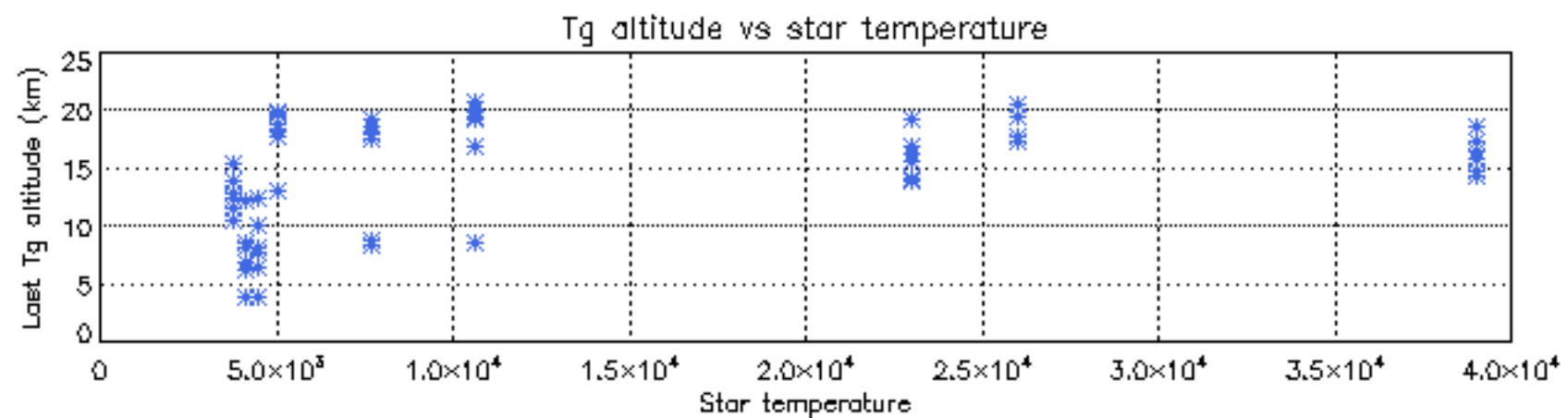
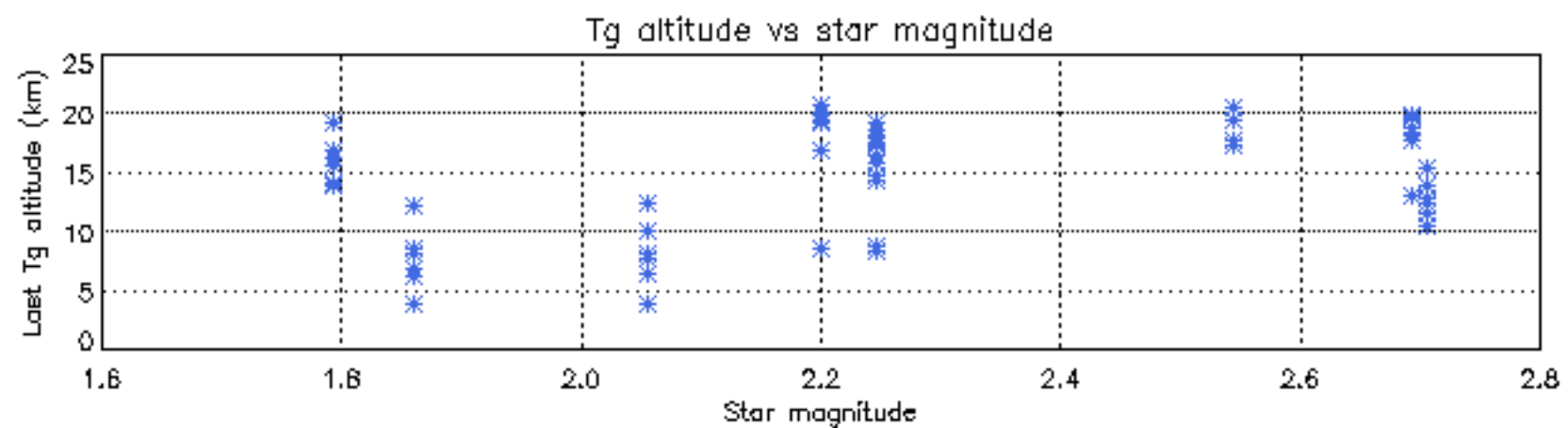
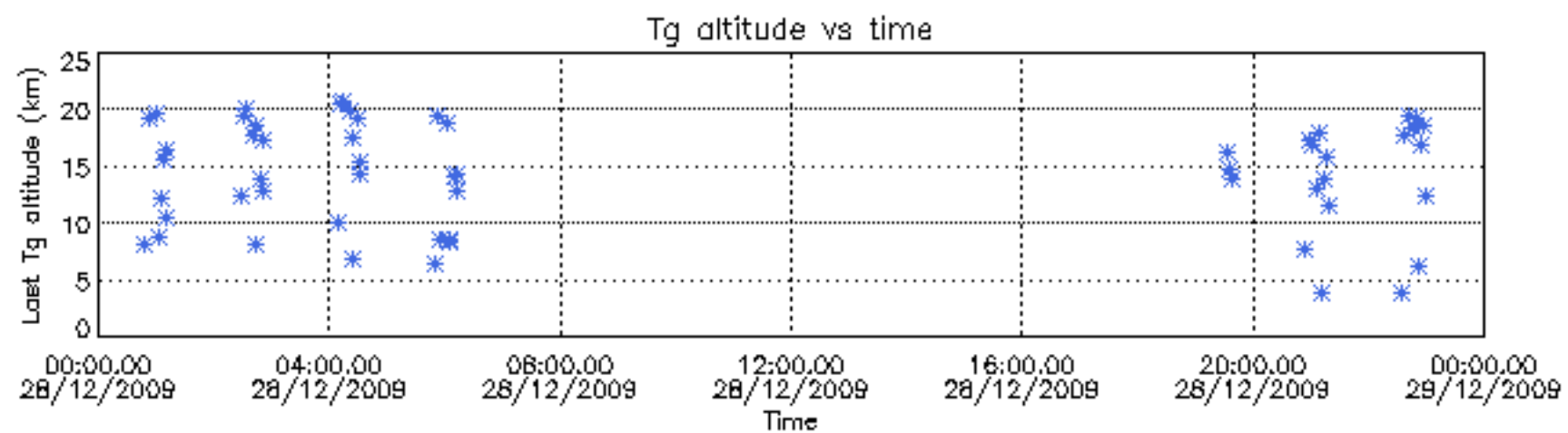


Percentage of saturation errors per profile

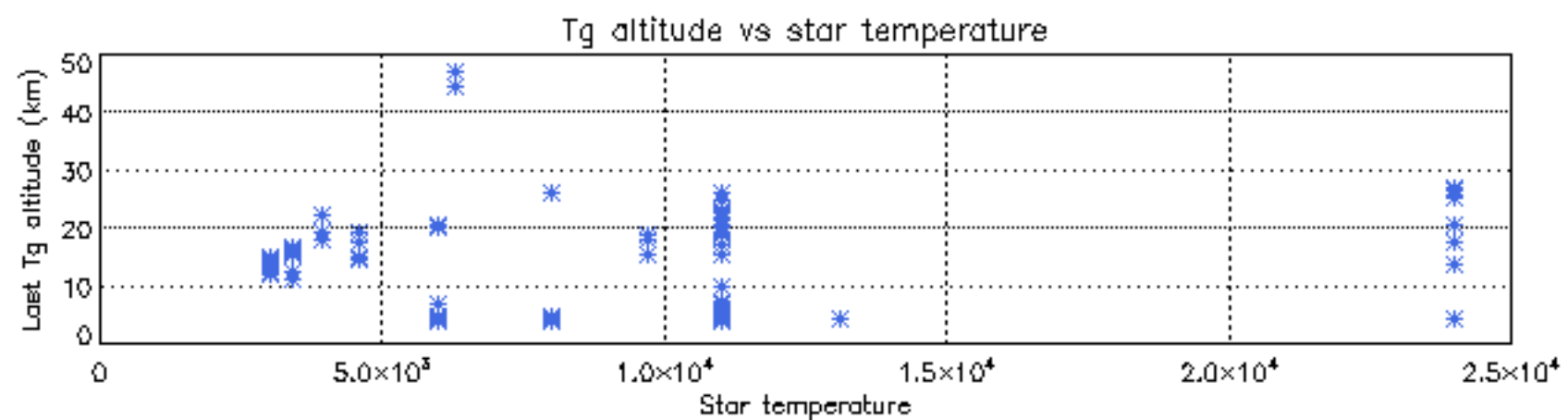
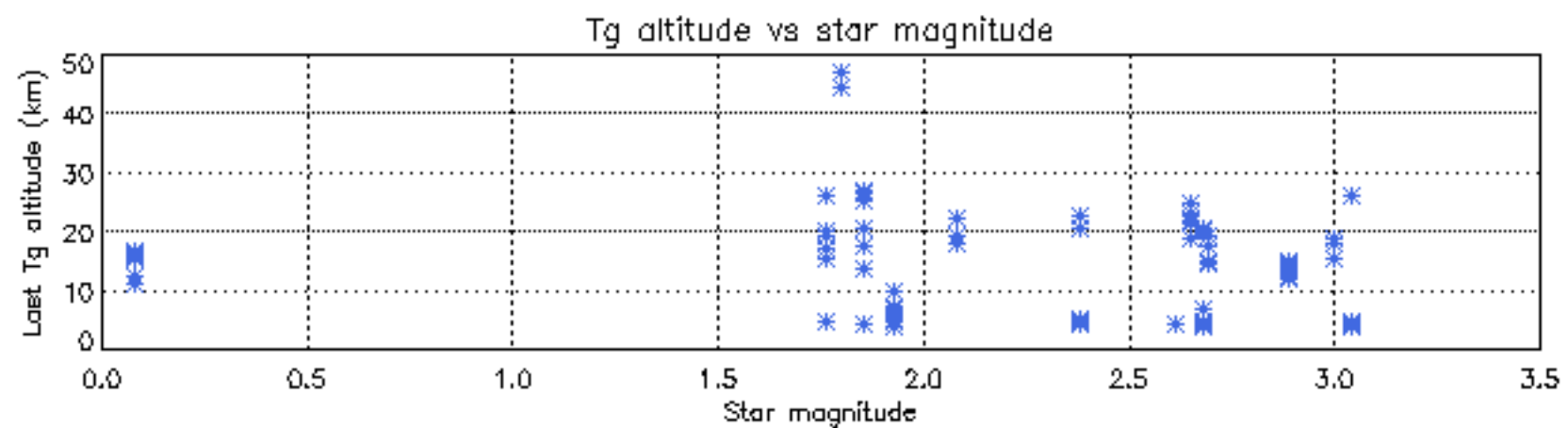
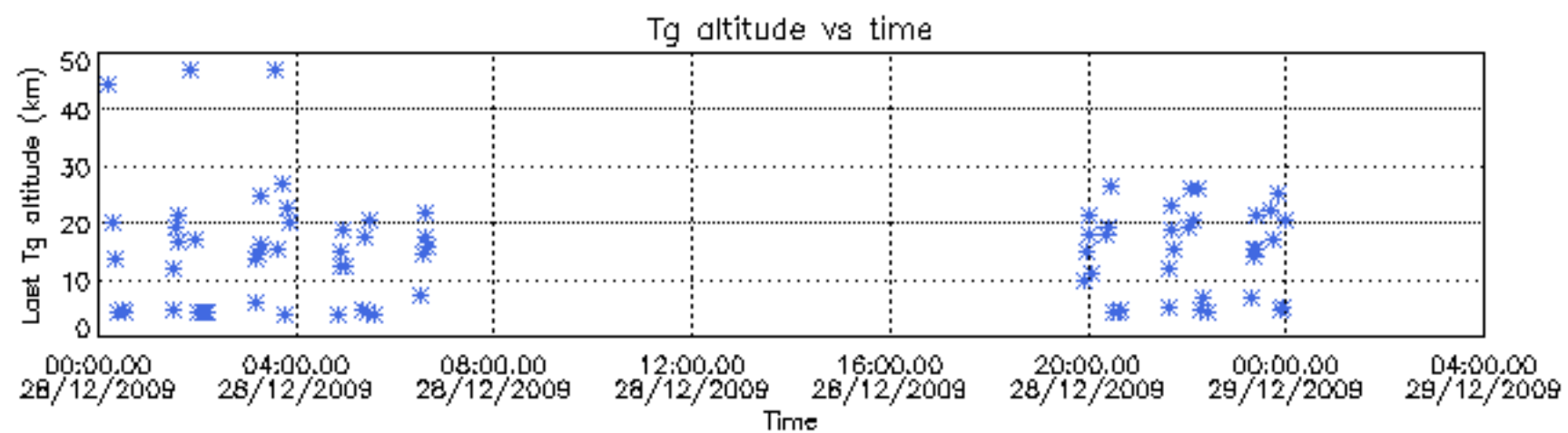


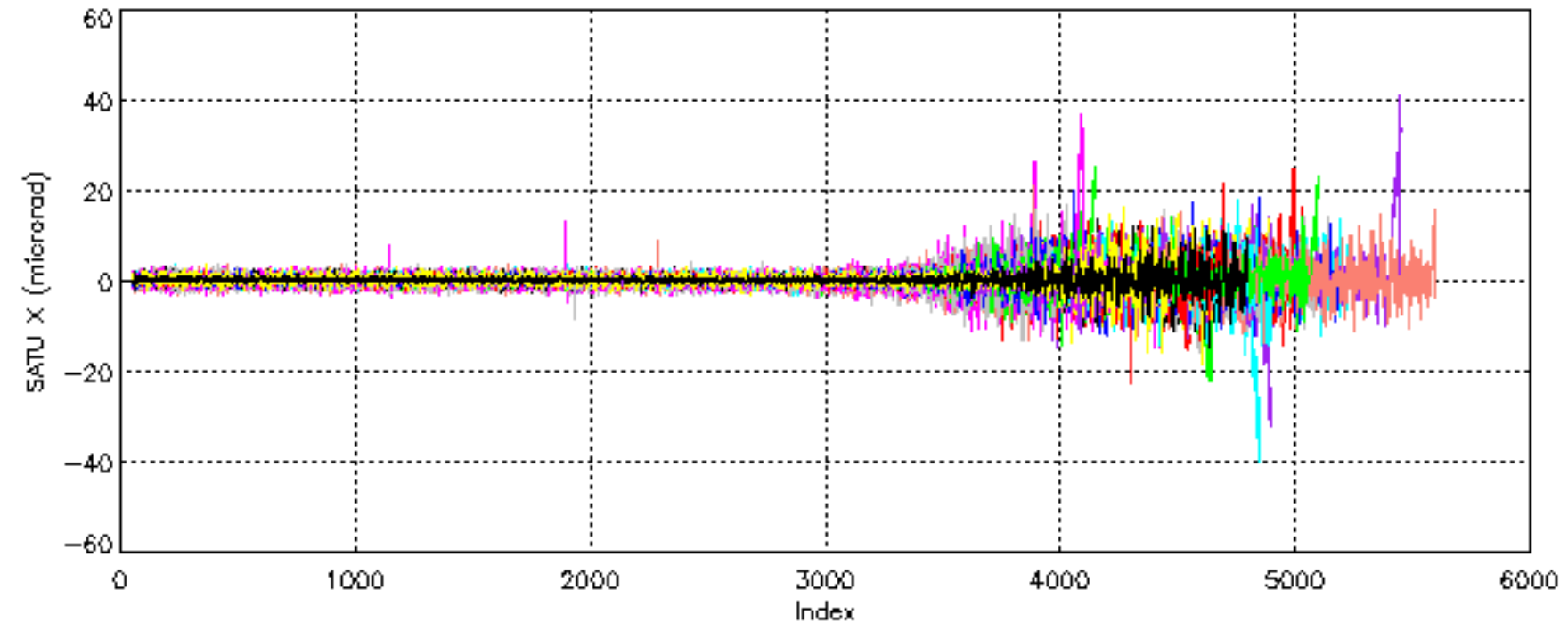


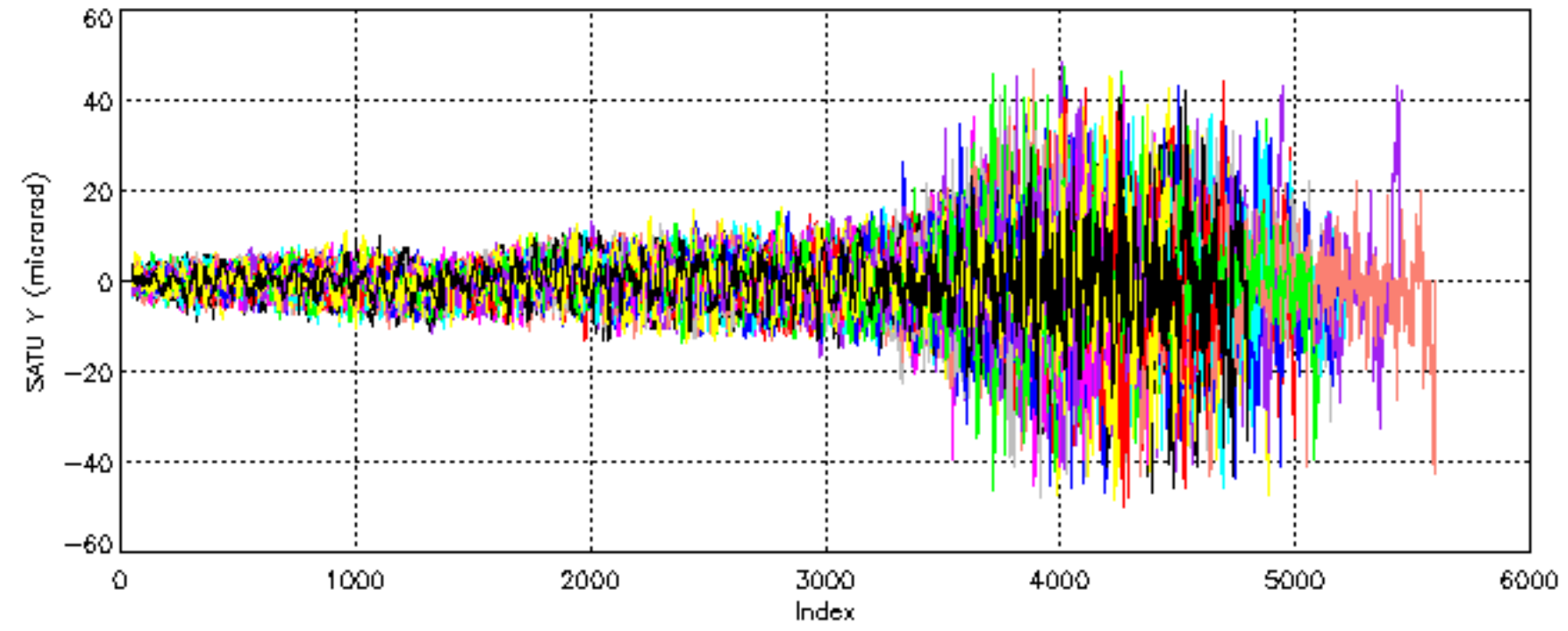
Tangent altitude at which the star is lost



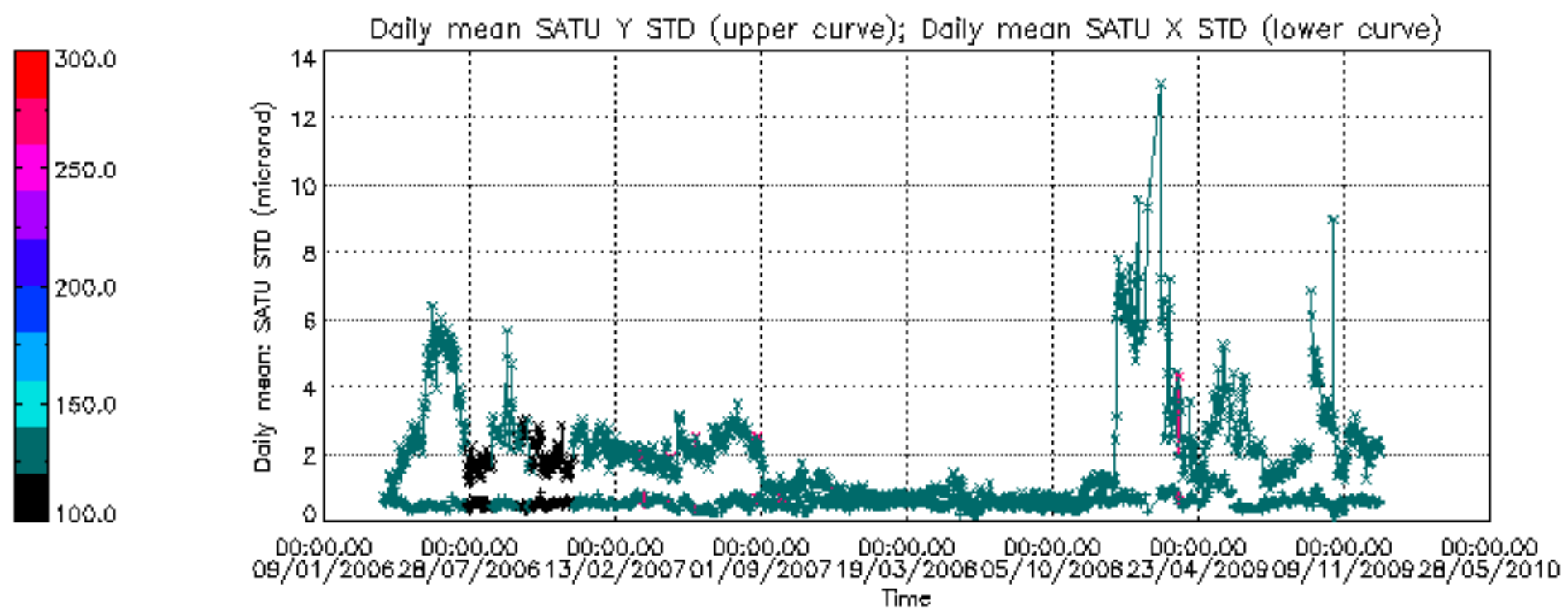
Tangent altitude at which the star is lost











/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20091201\_013105\_000044402084\_00403\_40537\_9039.N1

1; -575.6; 01-DEC-2009 01:31:05; Dark ; 49.5; 100; 4Gam Crv ; 2.58; 13100;occ; 99; 0;40537  
 2; -480.0; 01-DEC-2009 01:32:41; Dark ; 48.5; 171; 2Eps Crv ; 3.00; 4250;occ; 97; 0;40537  
 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  
 14; 2328.4; 01-DEC-2009 02:19:29; Bright; 39.0; 146; 25Eta Tau ; 2.87; 15200;occ; 78; 0;40538  
 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  
 19; 3821.0; 01-DEC-2009 02:44:22; Bright; 44.0; 36; 50Alp UMa ; 1.80; 6300;occ; 88; 0;40538

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20091201\_024439\_000052052084\_00404\_40538\_9040.N1

1; -2197.9; 01-DEC-2009 02:44:39; Bright; 44.5; 36; 50Alp UMa ; 1.80; 6300;occ; 89; 34;40538  
 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  
 5; -1687.8; 01-DEC-2009 02:53:09; Bright; 37.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 75; 0;40538  
 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  
 9; -479.0; 01-DEC-2009 03:13:18; Dark ; 48.5; 171; 2Eps Crv ; 3.00; 4250;occ; 97; 0;40538  
 10; 89.2; 01-DEC-2009 03:22:46; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;40539  
 11; 408.5; 01-DEC-2009 03:28:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40539  
 12; 607.0; 01-DEC-2009 03:31:24; Dark ; 59.5; 34; Gam2Vel ; 1.79; 23000;occ; 119; 0;40539  
 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  
 15; 1148.2; 01-DEC-2009 03:40:25; Dark ; 68.0; 23; 21Eps CMa ; 1.50; 26000;occ; 136; 0;40539  
 16; 1536.0; 01-DEC-2009 03:46:53; Dark ; 56.0; 101; 11Alp Lep ; 2.58; 7000;occ; 112; 0;40539  
 17; 1752.3; 01-DEC-2009 03:50:29; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;40539  
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8; 460.7; 11-DEC-2009 23:21:46; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40694
9; 534.7; 11-DEC-2009 23:23:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40694
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13; 1237.6; 11-DEC-2009 23:34:43; Dark ; 54.0; 23; 21Eps CMA ; 1.50; 26000;occ; 108; 0;40694
14; 1529.0; 11-DEC-2009 23:39:34; Dark ; 55.0; 47; 2Bet CMA ; 1.98; 28000;occ; 110; 0;40694
15; 1748.2; 11-DEC-2009 23:43:13; Dark ; 57.0; 7; 19Bet Ori ; 0.10; 14000;occ; 114; 0;40694
16; 1892.7; 11-DEC-2009 23:45:38; Dark ; 50.5; 30; 46Eps Ori ; 1.69; 30000;occ; 101; 0;40694
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21; 2590.7; 11-DEC-2009 23:57:16; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40694
22; 2763.6; 12-DEC-2009 00:00:09; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;40694
23; 3757.5; 12-DEC-2009 00:16:43; Bright; 50.5; 36; 50Alp UMa ; 1.80; 6300;occ; 101; 0;40694
24; 3994.1; 12-DEC-2009 00:20:39; Bright; 45.5; 32; 77Eps UMa ; 1.76; 11000;occ; 91; 0;40694
25; 4140.2; 12-DEC-2009 00:23:05; Bright; 55.5; 39; 85Eta UMa ; 1.85; 24000;occ; 111; 0;40694
26; 4332.6; 12-DEC-2009 00:26:18; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40694
27; 4713.5; 12-DEC-2009 00:32:39; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;40694
28; 4933.3; 12-DEC-2009 00:36:18; Bright; 44.5; 138; 47Eps Vir ; 2.83; 4700;occ; 89; 0;40694
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11; -99.8; 11-DEC-2009 06:26:26; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;40683
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 22; 6563.6; 11-DEC-2009 08:17:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40684  
 23; 6763.3; 11-DEC-2009 08:20:49; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;40684  
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 28; 7784.0; 11-DEC-2009 08:37:50; Dark ; 49.0; 7; 19Bet Ori ; 0.10; 14000;occ; 98; 0;40684

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 7; 2767.4; 11-DEC-2009 08:54:49; Bright; 60.0; 6; 13Alp Aur ; 0.08; 3400;occ; 120; 0;40685  
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 11; 4331.5; 11-DEC-2009 09:20:53; Bright; 53.0; 180; 27Gam Boo ; 3.04; 8000;occ; 106; 0;40685  
 12; 4710.8; 11-DEC-2009 09:27:13; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40685  
 13; 4928.1; 11-DEC-2009 09:30:50; Bright; 67.0; 138; 47Eps Vir ; 2.83; 4700;occ; 134; 0;40685  
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 27; 7563.8; 11-DEC-2009 10:14:46; Dark ; 34.5; 47; 2Bet CMa ; 1.98; 28000;occ; 69; 0;40685

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5; 2196.9; 11-DEC-2009 10:25:55; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;40686  
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7; 2477.3; 11-DEC-2009 10:30:35; Bright; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;40686  
8; 2591.4; 11-DEC-2009 10:32:29; Bright; 53.0; 149; 45Eps Per ; 2.89; 30000;occ; 106; 0;40686  
9; 2766.9; 11-DEC-2009 10:35:25; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;40686  
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19; 5701.3; 11-DEC-2009 11:24:19; Dark ; 55.5; 171; 2Eps Crv ; 3.00; 4250;occ; 111; 0;40686  
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22; 6248.0; 11-DEC-2009 11:33:26; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;40686  
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24; 6565.1; 11-DEC-2009 11:38:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40686  
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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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13; 4140.1; 11-DEC-2009 17:40:41; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;40690
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 23; 6251.8; 11-DEC-2009 18:15:53; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40690  
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28; 7277.1; 12-DEC-2009 12:59:34; Dark ; 56.0; 23; 21Eps CMa ; 1.50; 26000;occ; 112; 0;40701
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4; 2195.1; 12-DEC-2009 13:15:28; Dark ; 50.0; 13; 87Alp Tau ; 0.87; 3800;occ; 100; 0;40702
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7; 2590.2; 12-DEC-2009 13:22:03; Bright; 35.5; 149; 45Eps Per ; 2.89; 30000;occ; 71; 0;40702
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 13; 4333.5; 12-DEC-2009 13:51:06; Bright; 54.0; 180; 27Gam Boo ; 3.04; 8000;occ; 108; 0;40702  
 14; 4715.7; 12-DEC-2009 13:57:28; Bright; 58.0; 111; 8Eta Boo ; 2.68; 6000;occ; 116; 0;40702  
 15; 4937.9; 12-DEC-2009 14:01:10; Bright; 69.0; 138; 47Eps Vir ; 2.83; 4700;occ; 138; 0;40702  
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 23; 6502.3; 12-DEC-2009 14:27:15; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40702  
 24; 6577.6; 12-DEC-2009 14:28:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40702  
 25; 6777.1; 12-DEC-2009 14:31:50; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;40702  
 26; 6920.6; 12-DEC-2009 14:34:13; Dark ; 51.0; 2; Alp Car ; -0.74; 7000;occ; 102; 0;40702  
 27; 7075.3; 12-DEC-2009 14:36:48; Dark ; 52.0; 117; Pi Pup ; 2.71; 3800;occ; 104; 0;40702  
 28; 7277.8; 12-DEC-2009 14:40:10; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;40702

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 4; 2036.3; 12-DEC-2009 14:53:25; Dark ; 49.0; 27; 24Gam Ori ; 1.64; 26000;occ; 98; 0;40703  
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 7; 2469.1; 12-DEC-2009 15:00:38; Bright; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;40703  
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 9; 2697.5; 12-DEC-2009 15:04:26; Bright; 48.0; 107; 37The Aur ; 2.65; 11000;occ; 96; 0;40703  
 10; 2824.7; 12-DEC-2009 15:06:33; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;40703  
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 13; 4139.9; 12-DEC-2009 15:28:28; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 0;40703  
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 16; 4938.4; 12-DEC-2009 15:41:47; Bright; 49.5; 138; 47Eps Vir ; 2.83; 4700;occ; 99; 0;40703  
 17; 5293.6; 12-DEC-2009 15:47:42; Dark ; 49.0; 15; 67Alp Vir ; 0.98; 28000;occ; 98; 0;40703  
 18; 5502.7; 12-DEC-2009 15:51:11; Dark ; 42.0; 169; 46Gam Hya ; 2.99; 4700;occ; 84; 0;40703  
 19; 5625.6; 12-DEC-2009 15:53:14; Dark ; 55.0; 100; 4Gam Crv ; 2.58; 13100;occ; 110; 0;40703  
 20; 5721.5; 12-DEC-2009 15:54:50; Dark ; 57.0; 171; 2Eps Crv ; 3.00; 4250;occ; 114; 0;40703  
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 23; 6263.1; 12-DEC-2009 16:03:52; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40703  
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 27; 6921.1; 12-DEC-2009 16:14:50; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;40703  
 28; 7076.1; 12-DEC-2009 16:17:25; Dark ; 53.5; 117; Pi Pup ; 2.71; 3800;occ; 107; 0;40703  
 29; 7278.4; 12-DEC-2009 16:20:47; Dark ; 41.0; 23; 21Eps CMA ; 1.50; 26000;occ; 82; 0;40703

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 3; 1748.3; 12-DEC-2009 16:29:13; Dark ; 49.5; 7; 19Bet Ori ; 0.10; 14000;occ; 99; 0;40704  
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 5; 2036.1; 12-DEC-2009 16:34:01; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;40704  
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 11; 2824.1; 12-DEC-2009 16:47:09; Bright; 45.0; 42; 34Bet Aur ; 1.90; 10200;occ; 90; 0;40704  
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 13; 3992.2; 12-DEC-2009 17:06:37; Bright; 47.0; 32; 77Eps UMa ; 1.76; 11000;occ; 94; 0;40704  
 14; 4140.1; 12-DEC-2009 17:09:05; Bright; 57.0; 39; 85Eta UMa ; 1.85; 24000;occ; 114; 0;40704  
 15; 4333.6; 12-DEC-2009 17:12:18; Bright; 33.5; 180; 27Gam Boo ; 3.04; 8000;occ; 67; 0;40704  
 16; 4716.6; 12-DEC-2009 17:18:41; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;40704  
 17; 4939.2; 12-DEC-2009 17:22:24; Bright; 49.5; 138; 47Eps Vir ; 2.83; 4700;occ; 99; 0;40704  
 18; 5294.4; 12-DEC-2009 17:28:19; Dark ; 50.0; 15; 67Alp Vir ; 0.98; 28000;occ; 100; 0;40704  
 19; 5503.5; 12-DEC-2009 17:31:48; Dark ; 48.0; 169; 46Gam Hya ; 2.99; 4700;occ; 96; 0;40704

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 21; 5722.4; 12-DEC-2009 17:35:27; Dark ; 58.0; 171; 2Eps Crv ; 3.00; 4250;occ; 116; 0;40704  
 22; 5948.4; 12-DEC-2009 17:39:13; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;40704  
 23; 6042.9; 12-DEC-2009 17:40:47; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40704  
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 25; 6503.7; 12-DEC-2009 17:48:28; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40704  
 26; 6579.3; 12-DEC-2009 17:49:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40704  
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 4; 1891.0; 12-DEC-2009 18:12:12; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40705  
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 9; 2589.8; 12-DEC-2009 18:23:50; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40705  
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 12; 3752.6; 12-DEC-2009 18:43:13; Bright; 44.0; 36; 50Alp UMa ; 1.80; 6300;occ; 88; 0;40705  
 13; 3992.3; 12-DEC-2009 18:47:13; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;40705  
 14; 4139.7; 12-DEC-2009 18:49:40; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;40705  
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 19; 5504.1; 12-DEC-2009 19:12:25; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40705  
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 21; 5723.8; 12-DEC-2009 19:16:04; Dark ; 55.0; 171; 2Eps Crv ; 3.00; 4250;occ; 110; 0;40705  
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 13; 2822.9; 12-DEC-2009 20:08:19; Bright; 46.5; 42; 34Bet Aur ; 1.90; 10200;occ; 93; 0;40706  
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 15; 3992.0; 12-DEC-2009 20:27:49; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;40706  
 16; 4139.9; 12-DEC-2009 20:30:16; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;40706  
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 19; 4940.2; 12-DEC-2009 20:43:37; Bright; 53.5; 138; 47Eps Vir ; 2.83; 4700;occ; 107; 0;40706

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13; 1250.7; 13-DEC-2009 22:31:42; Dark ; 55.0; 23; 21Eps CMA ; 1.50; 26000;occ; 110; 0;40722
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 28; 7568.1; 13-DEC-2009 12:32:48; Dark ; 52.5; 47; 2Bet CMA ; 1.98; 28000;occ; 105; 0;40715

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1; 1577.2; 13-DEC-2009 12:33:33; Dark ; 53.0; 47; 2Bet CMA ; 1.98; 28000;occ; 106; 90;40716  
 2; 1748.7; 13-DEC-2009 12:36:24; Dark ; 50.5; 7; 19Bet Ori ; 0.10; 14000;occ; 101; 0;40716  
 3; 1889.5; 13-DEC-2009 12:38:45; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;40716  
 4; 2088.1; 13-DEC-2009 12:42:04; Dark ; 26.0; 14; 58Alp Ori ; 0.87; 3000;occ; 52; 0;40716  
 5; 2193.6; 13-DEC-2009 12:43:49; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;40716  
 6; 2463.1; 13-DEC-2009 12:48:19; Bright; 44.5; 28; 12Bet Tau ; 1.65; 15200;occ; 89; 0;40716  
 7; 2589.3; 13-DEC-2009 12:50:25; Bright; 35.5; 149; 45Eps Per ; 2.89; 30000;occ; 71; 0;40716  
 8; 2688.3; 13-DEC-2009 12:52:04; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;40716  
 9; 2816.4; 13-DEC-2009 12:54:12; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;40716  
 10; 3747.5; 13-DEC-2009 13:09:43; Bright; 45.5; 36; 50Alp UMa ; 1.80; 6300;occ; 91; 0;40716  
 11; 3990.0; 13-DEC-2009 13:13:46; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;40716  
 12; 4139.5; 13-DEC-2009 13:16:15; Bright; 52.5; 39; 85Eta UMa ; 1.85; 24000;occ; 105; 0;40716  
 13; 4334.7; 13-DEC-2009 13:19:31; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40716  
 14; 4719.7; 13-DEC-2009 13:25:55; Bright; 58.0; 111; 8Eta Boo ; 2.68; 6000;occ; 116; 0;40716  
 15; 4946.2; 13-DEC-2009 13:29:42; Bright; 70.0; 138; 47Eps Vir ; 2.83; 4700;occ; 140; 0;40716  
 16; 5302.0; 13-DEC-2009 13:35:38; Dark ; 53.0; 15; 67Alp Vir ; 0.98; 28000;occ; 106; 0;40716  
 17; 5511.4; 13-DEC-2009 13:39:07; Dark ; 45.0; 169; 46Gam Hya ; 2.99; 4700;occ; 90; 0;40716  
 18; 5641.7; 13-DEC-2009 13:41:17; Dark ; 55.5; 100; 4Gam Crv ; 2.58; 13100;occ; 111; 0;40716  
 19; 5737.2; 13-DEC-2009 13:42:53; Dark ; 56.0; 171; 2Eps Crv ; 3.00; 4250;occ; 112; 0;40716  
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 22; 6274.4; 13-DEC-2009 13:51:50; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;40716  
 23; 6511.1; 13-DEC-2009 13:55:47; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40716  
 24; 6588.4; 13-DEC-2009 13:57:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40716  
 25; 6787.6; 13-DEC-2009 14:00:23; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40716  
 26; 6926.5; 13-DEC-2009 14:02:42; Dark ; 49.5; 2; Alp Car ; -0.74; 7000;occ; 99; 0;40716  
 27; 7083.9; 13-DEC-2009 14:05:20; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;40716  
 28; 7284.4; 13-DEC-2009 14:08:40; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;40716

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 3; 1889.3; 13-DEC-2009 14:19:21; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;40717  
 4; 2087.7; 13-DEC-2009 14:22:39; Dark ; 26.0; 14; 58Alp Ori ; 0.87; 3000;occ; 52; 0;40717  
 5; 2193.4; 13-DEC-2009 14:24:25; Dark ; 48.5; 13; 87Alp Tau ; 0.87; 3800;occ; 97; 0;40717  
 6; 2462.7; 13-DEC-2009 14:28:54; Bright; 46.0; 28; 12Bet Tau ; 1.65; 15200;occ; 92; 0;40717  
 7; 2589.3; 13-DEC-2009 14:31:01; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40717  
 8; 2687.9; 13-DEC-2009 14:32:40; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;40717  
 9; 2816.0; 13-DEC-2009 14:34:48; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;40717  
 10; 3747.2; 13-DEC-2009 14:50:19; Bright; 50.0; 36; 50Alp UMa ; 1.80; 6300;occ; 100; 0;40717  
 11; 3989.7; 13-DEC-2009 14:54:21; Bright; 39.0; 32; 77Eps UMa ; 1.76; 11000;occ; 78; 0;40717  
 12; 4139.6; 13-DEC-2009 14:56:51; Bright; 57.0; 39; 85Eta UMa ; 1.85; 24000;occ; 114; 0;40717  
 13; 4334.9; 13-DEC-2009 15:00:07; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40717  
 14; 4720.2; 13-DEC-2009 15:06:32; Bright; 48.0; 111; 8Eta Boo ; 2.68; 6000;occ; 96; 0;40717  
 15; 4947.0; 13-DEC-2009 15:10:19; Bright; 70.0; 138; 47Eps Vir ; 2.83; 4700;occ; 140; 0;40717  
 16; 5302.8; 13-DEC-2009 15:16:15; Dark ; 51.5; 15; 67Alp Vir ; 0.98; 28000;occ; 103; 0;40717  
 17; 5512.2; 13-DEC-2009 15:19:44; Dark ; 46.5; 169; 46Gam Hya ; 2.99; 4700;occ; 93; 0;40717  
 18; 5642.9; 13-DEC-2009 15:21:55; Dark ; 55.5; 100; 4Gam Crv ; 2.58; 13100;occ; 111; 0;40717  
 19; 5738.6; 13-DEC-2009 15:23:30; Dark ; 58.0; 171; 2Eps Crv ; 3.00; 4250;occ; 116; 0;40717  
 20; 5956.1; 13-DEC-2009 15:27:08; Dark ; 47.0; 64; Gam Cen ; 2.20; 10600;occ; 94; 0;40717  
 21; 6051.5; 13-DEC-2009 15:28:43; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;40717  
 22; 6275.4; 13-DEC-2009 15:32:27; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;40717  
 23; 6511.8; 13-DEC-2009 15:36:23; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40717  
 24; 6589.3; 13-DEC-2009 15:37:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40717  
 25; 6788.3; 13-DEC-2009 15:41:00; Dark ; 54.0; 34; Gam2Vel ; 1.79; 23000;occ; 108; 0;40717  
 26; 6926.9; 13-DEC-2009 15:43:19; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;40717  
 27; 7084.5; 13-DEC-2009 15:45:56; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;40717  
 28; 7284.7; 13-DEC-2009 15:49:16; Dark ; 53.5; 23; 21Eps CMA ; 1.50; 26000;occ; 107; 0;40717



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 2; 1532.5; 13-DEC-2009 15:54:00; Dark ; 55.0; 47; 2Bet CMA ; 1.98; 28000;occ; 110; 0;40718  
 3; 1748.7; 13-DEC-2009 15:57:36; Dark ; 52.0; 7; 19Bet Ori ; 0.10; 14000;occ; 104; 0;40718  
 4; 1889.3; 13-DEC-2009 15:59:57; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40718  
 5; 2087.1; 13-DEC-2009 16:03:15; Dark ; 34.0; 14; 58Alp Ori ; 0.87; 3000;occ; 68; 0;40718  
 6; 2193.2; 13-DEC-2009 16:05:01; Dark ; 50.0; 13; 87Alp Tau ; 0.87; 3800;occ; 100; 0;40718  
 7; 2339.9; 13-DEC-2009 16:07:28; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;40718  
 8; 2462.3; 13-DEC-2009 16:09:30; Bright; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;40718  
 9; 2589.2; 13-DEC-2009 16:11:37; Bright; 35.5; 149; 45Eps Per ; 2.89; 30000;occ; 71; 0;40718  
 10; 2686.9; 13-DEC-2009 16:13:15; Bright; 45.5; 107; 37The Aur ; 2.65; 11000;occ; 91; 0;40718  
 11; 2815.3; 13-DEC-2009 16:15:23; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;40718  
 12; 3746.5; 13-DEC-2009 16:30:54; Bright; 43.5; 36; 50Alp UMa ; 1.80; 6300;occ; 87; 0;40718  
 13; 3989.8; 13-DEC-2009 16:34:57; Bright; 47.5; 32; 77Eps UMa ; 1.76; 11000;occ; 95; 0;40718  
 14; 4139.4; 13-DEC-2009 16:37:27; Bright; 44.5; 39; 85Eta UMa ; 1.85; 24000;occ; 89; 0;40718  
 15; 4334.9; 13-DEC-2009 16:40:43; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40718  
 16; 4720.4; 13-DEC-2009 16:47:08; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;40718  
 17; 4947.5; 13-DEC-2009 16:50:55; Bright; 55.0; 138; 47Eps Vir ; 2.83; 4700;occ; 110; 0;40718  
 18; 5303.6; 13-DEC-2009 16:56:51; Dark ; 56.5; 15; 67Alp Vir ; 0.98; 28000;occ; 113; 0;40718  
 19; 5512.9; 13-DEC-2009 17:00:21; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40718  
 20; 5644.1; 13-DEC-2009 17:02:32; Dark ; 52.0; 100; 4Gam Crv ; 2.58; 13100;occ; 104; 0;40718  
 21; 5739.8; 13-DEC-2009 17:04:07; Dark ; 53.0; 171; 2Eps Crv ; 3.00; 4250;occ; 106; 0;40718  
 22; 5956.6; 13-DEC-2009 17:07:44; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 0;40718  
 23; 6052.2; 13-DEC-2009 17:09:20; Dark ; 39.5; 99; Del Cen ; 2.58; 26000;occ; 79; 0;40718  
 24; 6276.2; 13-DEC-2009 17:13:04; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40718  
 25; 6512.4; 13-DEC-2009 17:17:00; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40718  
 26; 6590.1; 13-DEC-2009 17:18:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40718  
 27; 6789.1; 13-DEC-2009 17:21:37; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40718  
 28; 6927.4; 13-DEC-2009 17:23:55; Dark ; 55.0; 2; Alp Car ; -0.74; 7000;occ; 110; 0;40718  
 29; 7085.0; 13-DEC-2009 17:26:33; Dark ; 57.0; 117; Pi Pup ; 2.71; 3800;occ; 114; 0;40718

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 12; 2814.6; 13-DEC-2009 17:55:58; Bright; 46.0; 42; 34Bet Aur ; 1.90; 10200;occ; 92; 0;40719  
 13; 3746.1; 13-DEC-2009 18:11:30; Bright; 43.0; 36; 50Alp UMa ; 1.80; 6300;occ; 86; 0;40719  
 14; 3989.2; 13-DEC-2009 18:15:33; Bright; 46.0; 32; 77Eps UMa ; 1.76; 11000;occ; 92; 0;40719  
 15; 4139.0; 13-DEC-2009 18:18:03; Bright; 42.5; 39; 85Eta UMa ; 1.85; 24000;occ; 85; 0;40719  
 16; 4335.3; 13-DEC-2009 18:21:19; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;40719  
 17; 4720.7; 13-DEC-2009 18:27:44; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;40719  
 18; 4948.1; 13-DEC-2009 18:31:32; Bright; 70.0; 138; 47Eps Vir ; 2.83; 4700;occ; 140; 0;40719  
 19; 5304.1; 13-DEC-2009 18:37:28; Dark ; 51.5; 15; 67Alp Vir ; 0.98; 28000;occ; 103; 0;40719  
 20; 5513.5; 13-DEC-2009 18:40:57; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40719  
 21; 5645.3; 13-DEC-2009 18:43:09; Dark ; 55.0; 100; 4Gam Crv ; 2.58; 13100;occ; 110; 0;40719  
 22; 5741.0; 13-DEC-2009 18:44:45; Dark ; 56.0; 171; 2Eps Crv ; 3.00; 4250;occ; 112; 0;40719  
 23; 5957.1; 13-DEC-2009 18:48:21; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40719  
 24; 6052.9; 13-DEC-2009 18:49:57; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40719  
 25; 6277.2; 13-DEC-2009 18:53:41; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40719  
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 27; 6590.8; 13-DEC-2009 18:58:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40719  
 28; 6789.8; 13-DEC-2009 19:02:13; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;40719  
 29; 6927.9; 13-DEC-2009 19:04:32; Dark ; 40.5; 2; Alp Car ; -0.74; 7000;occ; 81; 0;40719

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20; 5304.9; 13-DEC-2009 20:18:05; Dark ; 47.0; 15; 67Alp Vir ; 0.98; 28000;occ; 94; 0;40720
21; 5514.2; 13-DEC-2009 20:21:34; Dark ; 47.0; 169; 46Gam Hya ; 2.99; 4700;occ; 94; 0;40720
22; 5646.6; 13-DEC-2009 20:23:46; Dark ; 56.0; 100; 4Gam Crv ; 2.58; 13100;occ; 112; 0;40720
23; 5742.3; 13-DEC-2009 20:25:22; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;40720
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27; 6513.6; 13-DEC-2009 20:38:13; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40720
28; 6591.5; 13-DEC-2009 20:39:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40720
29; 6790.4; 13-DEC-2009 20:42:50; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40720
30; 6928.1; 13-DEC-2009 20:45:08; Dark ; 5.5; 2; Alp Car ; -0.74; 7000;occ; 11; 0;40720
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3; -290.0; 14-DEC-2009 01:27:13; Dark ; 55.5; 171; 2Eps Crv ; 3.00; 4250;occ; 111; 0;40723
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8; 557.9; 14-DEC-2009 01:41:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40724
9; 756.7; 14-DEC-2009 01:44:40; Dark ; 52.0; 34; Gam2Vel ; 1.79; 23000;occ; 104; 0;40724
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11; 1052.0; 14-DEC-2009 01:49:35; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;40724
12; 1251.3; 14-DEC-2009 01:52:55; Dark ; 56.0; 23; 21Eps CMa ; 1.50; 26000;occ; 112; 0;40724
13; 1533.3; 14-DEC-2009 01:57:37; Dark ; 51.5; 47; 2Bet CMa ; 1.98; 28000;occ; 103; 0;40724
14; 1748.8; 14-DEC-2009 02:01:12; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;40724
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3; 2083.6; 14-DEC-2009 07:08:35; Dark ; 61.0; 14; 58Alp Ori ; 0.87; 3000;occ; 122; 0;40727
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7; 2680.8; 14-DEC-2009 07:18:32; Bright; 46.0; 107; 37The Aur ; 2.65; 11000;occ; 92; 0;40727
8; 2809.6; 14-DEC-2009 07:20:41; Bright; 46.0; 42; 34Bet Aur ; 1.90; 10200;occ; 92; 0;40727
9; 3742.3; 14-DEC-2009 07:36:14; Bright; 48.5; 36; 50Alp UMa ; 1.80; 6300;occ; 97; 0;40727
10; 3987.7; 14-DEC-2009 07:40:19; Bright; 61.0; 32; 77Eps UMa ; 1.76; 11000;occ; 122; 0;40727
11; 4139.0; 14-DEC-2009 07:42:50; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;40727
12; 4335.9; 14-DEC-2009 07:46:07; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;40727
13; 4526.7; 14-DEC-2009 07:49:18; Bright; 35.0; 83; ; 2.38; 11000;occ; 70; 0;40727
14; 4723.0; 14-DEC-2009 07:52:34; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;40727
15; 4953.0; 14-DEC-2009 07:56:24; Bright; 71.0; 138; 47Eps Vir ; 2.83; 4700;occ; 142; 0;40727
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26; 7289.3; 14-DEC-2009 08:35:21; Dark ; 55.0; 23; 21Eps CMa ; 1.50; 26000;occ; 110; 0;40727
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5; 2335.2; 14-DEC-2009 08:53:22; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;40728
6; 2457.8; 14-DEC-2009 08:55:25; Bright; 44.5; 28; 12Bet Tau ; 1.65; 15200;occ; 89; 0;40728
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8; 2809.0; 14-DEC-2009 09:01:16; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;40728
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29; 7570.0; 14-DEC-2009 10:20:37; Dark ; 53.5; 47; 2Bet CMa ; 1.98; 28000;occ; 107; 0;40728
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5; 2334.7; 14-DEC-2009 10:33:58; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;40729

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12; 4336.2; 14-DEC-2009 11:07:19; Bright; 54.0; 180; 27Gam Boo ; 3.04; 8000;occ; 108; 0;40729  
13; 4527.2; 14-DEC-2009 11:10:30; Bright; 34.0; 83; ; 2.38; 11000;occ; 68; 0;40729  
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16; 5310.8; 14-DEC-2009 11:23:34; Dark ; 50.5; 15; 67Alp Vir ; 0.98; 28000;occ; 101; 0;40729  
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28; 7290.0; 14-DEC-2009 11:56:33; Dark ; 53.5; 23; 21Eps CMa ; 1.50; 26000;occ; 107; 0;40729  
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12; 4138.8; 14-DEC-2009 12:44:38; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 0;40730  
13; 4336.2; 14-DEC-2009 12:47:55; Bright; 54.0; 180; 27Gam Boo ; 3.04; 8000;occ; 108; 0;40730  
14; 4527.2; 14-DEC-2009 12:51:06; Bright; 53.0; 83; ; 2.38; 11000;occ; 106; 0;40730  
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16; 4954.8; 14-DEC-2009 12:58:14; Bright; 51.5; 138; 47Eps Vir ; 2.83; 4700;occ; 103; 0;40730  
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23; 6286.8; 14-DEC-2009 13:20:26; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40730  
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25; 6599.1; 14-DEC-2009 13:25:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40730  
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27; 6932.1; 14-DEC-2009 13:31:11; Dark ; 47.5; 2; Alp Car ; -0.74; 7000;occ; 95; 0;40730  
28; 7092.1; 14-DEC-2009 13:33:51; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;40730  
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11; 3986.8; 14-DEC-2009 14:22:42; Bright; 42.5; 32; 77Eps UMa ; 1.76; 11000;occ; 85; 0;40731  
12; 4138.7; 14-DEC-2009 14:25:14; Bright; 55.5; 39; 85Eta UMa ; 1.85; 24000;occ; 111; 0;40731  
13; 4336.4; 14-DEC-2009 14:28:31; Bright; 54.0; 180; 27Gam Boo ; 3.04; 8000;occ; 108; 0;40731



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 19; 5790.0; 16-DEC-2009 10:28:19; Dark ; 53.0; 171; 2Eps Crv ; 3.00; 4250;occ; 106; 0;40757  
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4; 2072.0; 16-DEC-2009 14:28:09; Dark ; 57.0; 14; 58Alp Ori ; 0.87; 3000;occ; 114; 0;40760
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7; 2445.0; 16-DEC-2009 14:34:22; Bright; 44.0; 28; 12Bet Tau ; 1.65; 15200;occ; 88; 0;40760
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 10; 3704.8; 16-DEC-2009 14:55:22; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;40760  
 11; 3981.0; 16-DEC-2009 14:59:58; Bright; 45.5; 32; 77Eps UMa ; 1.76; 11000;occ; 91; 0;40760  
 12; 4137.1; 16-DEC-2009 15:02:34; Bright; 47.0; 39; 85Eta UMa ; 1.85; 24000;occ; 94; 0;40760  
 13; 4339.2; 16-DEC-2009 15:05:56; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40760  
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 15; 4338.9; 16-DEC-2009 16:46:32; Bright; 51.5; 180; 27Gam Boo ; 3.04; 8000;occ; 103; 0;40761  
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2; 1883.3; 17-DEC-2009 10:32:12; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;40772
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

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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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1; 1577.1; 17-DEC-2009 12:07:41; Dark ; 49.0; 47; 2Bet CMa ; 1.98; 28000;occ; 98; 73;40773  
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 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  
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 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  
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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  
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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  
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 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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 4; 2067.5; 17-DEC-2009 13:56:28; Dark ; 57.0; 14; 58Alp Ori ; 0.87; 3000;occ; 114; 0;40774  
 5; 2189.3; 17-DEC-2009 13:58:30; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;40774  
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 10; 3704.2; 17-DEC-2009 14:23:44; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;40774  
 11; 3977.7; 17-DEC-2009 14:28:18; Bright; 42.0; 32; 77Eps UMA ; 1.76; 11000;occ; 84; 0;40774  
 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  
 15; 4738.0; 17-DEC-2009 14:40:58; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;40774  
 16; 5343.8; 17-DEC-2009 14:51:04; Dark ; 54.5; 15; 67Alp Vir ; 0.98; 28000;occ; 109; 0;40774  
 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  
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 25; 6957.5; 17-DEC-2009 15:17:58; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;40774  
 26; 7116.7; 17-DEC-2009 15:20:37; Dark ; 52.0; 117; Pi Pup ; 2.71; 3800;occ; 104; 0;40774  
 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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 5; 2067.4; 17-DEC-2009 15:37:04; Dark ; 65.0; 14; 58Alp Ori ; 0.87; 3000;occ; 130; 0;40775  
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 8; 2439.5; 17-DEC-2009 15:43:16; Bright; 44.0; 28; 12Bet Tau ; 1.65; 15200;occ; 88; 0;40775  
 9; 2651.0; 17-DEC-2009 15:46:47; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;40775  
 10; 2782.0; 17-DEC-2009 15:48:58; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;40775  
 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  
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 15; 4535.1; 17-DEC-2009 16:18:11; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;40775  
 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  
 20; 5992.1; 17-DEC-2009 16:42:28; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;40775  
 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  
 25; 6829.6; 17-DEC-2009 16:56:26; Dark ; 54.0; 34; Gam2Vel ; 1.79; 23000;occ; 108; 0;40775  
 26; 6958.2; 17-DEC-2009 16:58:34; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;40775  
 27; 7117.5; 17-DEC-2009 17:01:14; Dark ; 50.5; 117; Pi Pup ; 2.71; 3800;occ; 101; 0;40775

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 3; 1557.5; 17-DEC-2009 17:09:10; Dark ; 27.0; 1; 9Alp CMA ; -1.44; 11000;occ; 54; 0;40776  
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 5; 1882.9; 17-DEC-2009 17:14:35; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;40776  
 6; 2067.1; 17-DEC-2009 17:17:39; Dark ; 57.5; 14; 58Alp Ori ; 0.87; 3000;occ; 115; 0;40776  
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 8; 2315.8; 17-DEC-2009 17:21:48; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;40776  
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 10; 2650.2; 17-DEC-2009 17:27:22; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;40776  
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 12; 3704.1; 17-DEC-2009 17:44:56; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;40776  
 13; 3977.1; 17-DEC-2009 17:49:29; Bright; 56.0; 32; 77Eps UMa ; 1.76; 11000;occ; 112; 0;40776  
 14; 4136.2; 17-DEC-2009 17:52:08; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;40776  
 15; 4340.5; 17-DEC-2009 17:55:33; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;40776  
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 17; 4738.4; 17-DEC-2009 18:02:11; Bright; 41.5; 111; 8Eta Boo ; 2.68; 6000;occ; 83; 0;40776  
 18; 5345.4; 17-DEC-2009 18:12:18; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;40776  
 19; 5556.2; 17-DEC-2009 18:15:48; Dark ; 46.5; 169; 46Gam Hya ; 2.99; 4700;occ; 93; 0;40776  
 20; 5714.2; 17-DEC-2009 18:18:26; Dark ; 51.5; 106; 9Bet Crv ; 2.65; 5600;occ; 103; 0;40776  
 21; 5992.9; 17-DEC-2009 18:23:05; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40776  
 22; 6092.2; 17-DEC-2009 18:24:44; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40776  
 23; 6327.9; 17-DEC-2009 18:28:40; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40776  
 24; 6548.4; 17-DEC-2009 18:32:21; Dark ; 44.0; 71; Iot Car ; 2.25; 7700;occ; 88; 0;40776  
 25; 6633.5; 17-DEC-2009 18:33:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40776  
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7; 2066.6; 17-DEC-2009 18:58:15; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;40777  
8; 2189.1; 17-DEC-2009 19:00:17; Dark ; 44.5; 13; 87Alp Tau ; 0.87; 3800;occ; 89; 0;40777  
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13; 3704.1; 17-DEC-2009 19:25:32; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40777  
14; 3977.1; 17-DEC-2009 19:30:05; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;40777  
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19; 5346.1; 17-DEC-2009 19:52:54; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;40777  
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22; 5993.2; 17-DEC-2009 20:03:41; Dark ; 50.5; 64; Gam Cen ; 2.20; 10600;occ; 101; 0;40777  
23; 6092.8; 17-DEC-2009 20:05:21; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;40777  
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 3; 1751.6; 18-DEC-2009 15:00:11; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0;40789  
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 5; 2063.1; 18-DEC-2009 15:05:22; Dark ; 64.0; 14; 58Alp Ori ; 0.87; 3000;occ; 128; 0;40789  
 6; 2188.6; 18-DEC-2009 15:07:28; Dark ; 45.5; 13; 87Alp Tau ; 0.87; 3800;occ; 91; 0;40789  
 7; 2311.0; 18-DEC-2009 15:09:30; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;40789  
 8; 2434.6; 18-DEC-2009 15:11:34; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;40789  
 9; 2643.0; 18-DEC-2009 15:15:02; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;40789  
 10; 2774.5; 18-DEC-2009 15:17:14; Bright; 44.0; 42; 34Bet Aur ; 1.90; 10200;occ; 88; 0;40789  
 11; 3703.9; 18-DEC-2009 15:32:43; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40789  
 12; 3974.0; 18-DEC-2009 15:37:13; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;40789  
 13; 4135.1; 18-DEC-2009 15:39:54; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;40789  
 14; 4341.2; 18-DEC-2009 15:43:21; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;40789  
 15; 4537.6; 18-DEC-2009 15:46:37; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;40789  
 16; 4742.7; 18-DEC-2009 15:50:02; Bright; 43.5; 111; 8Eta Boo ; 2.68; 6000;occ; 87; 0;40789  
 17; 5355.7; 18-DEC-2009 16:00:15; Dark ; 52.0; 15; 67Alp Vir ; 0.98; 28000;occ; 104; 0;40789  
 18; 5566.4; 18-DEC-2009 16:03:46; Dark ; 50.0; 169; 46Gam Hya ; 2.99; 4700;occ; 100; 0;40789  
 19; 5729.3; 18-DEC-2009 16:06:29; Dark ; 55.0; 106; 9Bet Crv ; 2.65; 5600;occ; 110; 0;40789  
 20; 6001.2; 18-DEC-2009 16:11:01; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;40789  
 21; 6101.6; 18-DEC-2009 16:12:41; Dark ; 42.5; 99; Del Cen ; 2.58; 26000;occ; 85; 0;40789  
 22; 6339.6; 18-DEC-2009 16:16:39; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40789  
 23; 6556.2; 18-DEC-2009 16:20:16; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;40789  
 24; 6643.0; 18-DEC-2009 16:21:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40789  
 25; 6839.1; 18-DEC-2009 16:24:58; Dark ; 51.5; 34; Gam2Vel ; 1.79; 23000;occ; 103; 0;40789  
 26; 6968.4; 18-DEC-2009 16:27:08; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;40789  
 27; 7125.0; 18-DEC-2009 16:29:44; Dark ; 52.0; 117; Pi Pup ; 2.71; 3800;occ; 104; 0;40789  
 28; 7314.8; 18-DEC-2009 16:32:54; Dark ; 47.5; 23; 21Eps CMA ; 1.50; 26000;occ; 95; 0;40789

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091218\_163254\_000058792085\_00155\_40790\_5806.N1

1; 1278.8; 18-DEC-2009 16:32:54; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;40790  
 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  
 24; 6556.8; 18-DEC-2009 18:00:52; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;40790  
 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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1;	1089.4;	18-DEC-2009	18:10:21;	Dark	;	51.0;	117;	Pi Pup	;	2.71;	3800;	occ;	102;	0;	40791
2;	1279.2;	18-DEC-2009	18:13:31;	Dark	;	53.0;	23;	21Eps CMA	;	1.50;	26000;	occ;	106;	0;	40791
3;	1384.3;	18-DEC-2009	18:15:16;	Dark	;	49.0;	179;	240mi2CMA	;	3.03;	24000;	occ;	98;	0;	40791
4;	1559.3;	18-DEC-2009	18:18:11;	Dark	;	60.5;	1;	9Alp CMA	;	-1.44;	11000;	occ;	121;	0;	40791
5;	1751.8;	18-DEC-2009	18:21:23;	Dark	;	47.5;	7;	19Bet Ori	;	0.10;	14000;	occ;	95;	0;	40791
6;	1881.9;	18-DEC-2009	18:23:33;	Dark	;	46.5;	30;	46Eps Ori	;	1.69;	30000;	occ;	93;	0;	40791
7;	2062.6;	18-DEC-2009	18:26:34;	Dark	;	61.0;	14;	58Alp Ori	;	0.87;	3000;	occ;	122;	0;	40791
8;	2188.5;	18-DEC-2009	18:28:40;	Dark	;	43.5;	13;	87Alp Tau	;	0.87;	3800;	occ;	87;	0;	40791
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
20;	5567.9;	18-DEC-2009	19:24:59;	Dark	;	44.5;	169;	46Gam Hya	;	2.99;	4700;	occ;	89;	0;	40791
21;	5731.7;	18-DEC-2009	19:27:43;	Dark	;	53.0;	106;	9Bet Crv	;	2.65;	5600;	occ;	106;	0;	40791
22;	6002.4;	18-DEC-2009	19:32:14;	Dark	;	41.5;	64;	Gam Cen	;	2.20;	10600;	occ;	83;	0;	40791
23;	6102.9;	18-DEC-2009	19:33:54;	Dark	;	41.5;	99;	Del Cen	;	2.58;	26000;	occ;	83;	0;	40791
24;	6341.4;	18-DEC-2009	19:37:53;	Dark	;	55.5;	113;	Mu Vel	;	2.69;	5000;	occ;	111;	0;	40791
25;	6557.4;	18-DEC-2009	19:41:29;	Dark	;	41.0;	71;	Iot Car	;	2.25;	7700;	occ;	82;	0;	40791
26;	6644.4;	18-DEC-2009	19:42:56;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	40791
27;	6840.4;	18-DEC-2009	19:46:12;	Dark	;	49.5;	34;	Gam2Vel	;	1.79;	23000;	occ;	99;	0;	40791

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1;	-676.3;	19-DEC-2009	00:23:19;	Dark	;	53.5;	15;	67Alp Vir	;	0.98;	28000;	occ;	107;	0;	40794
2;	-465.4;	19-DEC-2009	00:26:50;	Dark	;	48.5;	169;	46Gam Hya	;	2.99;	4700;	occ;	97;	0;	40794
3;	-300.9;	19-DEC-2009	00:29:34;	Dark	;	64.0;	106;	9Bet Crv	;	2.65;	5600;	occ;	128;	0;	40794
4;	-31.6;	19-DEC-2009	00:34:03;	Dark	;	45.5;	64;	Gam Cen	;	2.20;	10600;	occ;	91;	0;	40794
5;	69.1;	19-DEC-2009	00:35:44;	Dark	;	43.5;	99;	Del Cen	;	2.58;	26000;	occ;	87;	0;	40795
6;	308.0;	19-DEC-2009	00:39:43;	Dark	;	46.5;	113;	Mu Vel	;	2.69;	5000;	occ;	93;	0;	40795
7;	523.3;	19-DEC-2009	00:43:18;	Dark	;	47.0;	71;	Iot Car	;	2.25;	7700;	occ;	94;	0;	40795
8;	610.6;	19-DEC-2009	00:44:46;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	40795
9;	806.2;	19-DEC-2009	00:48:01;	Dark	;	46.0;	34;	Gam2Vel	;	1.79;	23000;	occ;	92;	0;	40795
10;	935.6;	19-DEC-2009	00:50:11;	Dark	;	51.5;	70;	Zet Pup	;	2.25;	39000;	occ;	103;	0;	40795
11;	1091.1;	19-DEC-2009	00:52:46;	Dark	;	49.5;	117;	Pi Pup	;	2.71;	3800;	occ;	99;	0;	40795
12;	1280.7;	19-DEC-2009	00:55:56;	Dark	;	50.0;	23;	21Eps CMA	;	1.50;	26000;	occ;	100;	0;	40795
13;	1385.0;	19-DEC-2009	00:57:40;	Dark	;	53.5;	179;	240mi2CMA	;	3.03;	24000;	occ;	107;	0;	40795
14;	1559.4;	19-DEC-2009	01:00:34;	Dark	;	60.0;	1;	9Alp CMA	;	-1.44;	11000;	occ;	120;	0;	40795
15;	1752.0;	19-DEC-2009	01:03:47;	Dark	;	45.0;	7;	19Bet Ori	;	0.10;	14000;	occ;	90;	0;	40795
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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1;	-675.3;	19-DEC-2009	02:03:56;	Dark	;	49.5;	15;	67Alp Vir	;	0.98;	28000;	occ;	99;	0;	40795
2;	-464.7;	19-DEC-2009	02:07:26;	Dark	;	49.0;	169;	46Gam Hya	;	2.99;	4700;	occ;	98;	0;	40795
3;	-299.7;	19-DEC-2009	02:10:11;	Dark	;	53.5;	106;	9Bet Crv	;	2.65;	5600;	occ;	107;	0;	40795
4;	-31.0;	19-DEC-2009	02:14:40;	Dark	;	41.0;	64;	Gam Cen	;	2.20;	10600;	occ;	82;	0;	40795
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
8;	611.3;	19-DEC-2009	02:25:22;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	40796
9;	807.0;	19-DEC-2009	02:28:38;	Dark	;	51.0;	34;	Gam2Vel	;	1.79;	23000;	occ;	102;	0;	40796
10;	936.5;	19-DEC-2009	02:30:47;	Dark	;	49.5;	70;	Zet Pup	;	2.25;	39000;	occ;	99;	0;	40796



11; 1091.7; 19-DEC-2009 02:33:23; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;40796  
 12; 1281.3; 19-DEC-2009 02:36:32; Dark ; 53.0; 23; 21Eps CMa ; 1.50; 26000;occ; 106; 0;40796  
 13; 1385.5; 19-DEC-2009 02:38:16; Dark ; 51.0; 179; 240mi2CMa ; 3.03; 24000;occ; 102; 0;40796  
 14; 1559.8; 19-DEC-2009 02:41:11; Dark ; 59.0; 1; 9Alp CMa ; -1.44; 11000;occ; 118; 0;40796  
 15; 1751.9; 19-DEC-2009 02:44:23; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;40796  
 16; 1881.3; 19-DEC-2009 02:46:32; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;40796  
 17; 2061.4; 19-DEC-2009 02:49:32; Dark ; 63.0; 14; 58Alp Ori ; 0.87; 3000;occ; 126; 0;40796  
 18; 2188.2; 19-DEC-2009 02:51:39; Dark ; 53.0; 13; 87Alp Tau ; 0.87; 3800;occ; 106; 0;40796  
 19; 2308.6; 19-DEC-2009 02:53:39; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;40796  
 20; 2432.4; 19-DEC-2009 02:55:43; Bright; 39.5; 28; 12Bet Tau ; 1.65; 15200;occ; 79; 0;40796  
 21; 2639.1; 19-DEC-2009 02:59:10; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;40796  
 22; 2726.8; 19-DEC-2009 03:00:38; Bright; 44.0; 6; 13Alp Aur ; 0.08; 3400;occ; 88; 0;40796

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1;-2332.5; 19-DEC-2009 03:16:54; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;40796  
 2;-2063.8; 19-DEC-2009 03:21:23; Bright; 63.0; 32; 77Eps UMa ; 1.76; 11000;occ; 126; 0;40796  
 3;-1901.4; 19-DEC-2009 03:24:05; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;40796  
 4;-1693.9; 19-DEC-2009 03:27:33; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;40796  
 5;-1497.1; 19-DEC-2009 03:30:50; Bright; 55.0; 83; ; 2.38; 11000;occ; 110; 0;40796  
 6;-1290.6; 19-DEC-2009 03:34:16; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;40796  
 7; -674.7; 19-DEC-2009 03:44:32; Dark ; 57.0; 15; 67Alp Vir ; 0.98; 28000;occ; 114; 0;40796  
 8; -463.9; 19-DEC-2009 03:48:03; Dark ; 48.0; 169; 46Gam Hya ; 2.99; 4700;occ; 96; 0;40796  
 9; -298.4; 19-DEC-2009 03:50:48; Dark ; 54.0; 106; 9Bet Crv ; 2.65; 5600;occ; 108; 0;40796  
 10; -30.1; 19-DEC-2009 03:55:17; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;40796  
 11; 70.7; 19-DEC-2009 03:56:58; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40797  
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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  
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3; -230.0; 22-DEC-2009 22:24:17; Dark ; 57.5; 106; 9Bet Crv ; 2.65; 5600;occ; 115; 0;40850  
4; 93.1; 22-DEC-2009 22:29:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40851  
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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1; 852.3; 22-DEC-2009 19:21:08; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 22;40849  
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 3; 1117.9; 22-DEC-2009 19:25:34; Dark ; 49.0; 117; Pi Pup ; 2.71; 3800;occ; 98; 0;40849  
 4; 1300.2; 22-DEC-2009 19:28:36; Dark ; 50.0; 23; 21Eps CMa ; 1.50; 26000;occ; 100; 0;40849  
 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  
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 11; 2417.7; 22-DEC-2009 19:47:13; Bright; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;40849  
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 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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1; -624.8; 23-DEC-2009 01:38:54; Dark ; 56.0; 15; 67Alp Vir ; 0.98; 28000;occ; 112; 0;40852  
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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  
 9; 843.8; 23-DEC-2009 02:03:23; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40853  
 10; 974.8; 23-DEC-2009 02:05:34; Dark ; 50.0; 70; Zet Pup ; 2.25; 39000;occ; 100; 0;40853  
 11; 1119.6; 23-DEC-2009 02:07:59; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0;40853  
 12; 1301.7; 23-DEC-2009 02:11:01; Dark ; 49.0; 23; 21Eps CMa ; 1.50; 26000;occ; 98; 0;40853  
 13; 1402.0; 23-DEC-2009 02:12:41; Dark ; 49.0; 179; 240mi2CMa ; 3.03; 24000;occ; 98; 0;40853  
 14; 1566.4; 23-DEC-2009 02:15:26; Dark ; 56.0; 1; 9Alp CMa ; -1.44; 11000;occ; 112; 0;40853  
 15; 1756.0; 23-DEC-2009 02:18:35; Dark ; 47.0; 7; 19Bet Ori ; 0.10; 14000;occ; 94; 0;40853  
 16; 1878.8; 23-DEC-2009 02:20:38; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;40853  
 17; 2048.3; 23-DEC-2009 02:23:28; Dark ; 54.5; 14; 58Alp Ori ; 0.87; 3000;occ; 109; 0;40853  
 18; 2291.9; 23-DEC-2009 02:27:31; Bright; 41.0; 176; 23Zet Tau ; 3.02; 22000;occ; 82; 0;40853  
 19; 2416.8; 23-DEC-2009 02:29:36; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;40853  
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 18; 4551.4; 23-DEC-2009 21:31:46; Bright; 57.0; 83; ; 2.38; 11000;occ; 114; 0;40864  
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 4; -1689.6; 23-DEC-2009 06:22:58; Bright; 57.0; 180; 27Gam Boo ; 3.04; 8000;occ; 114; 0;40855



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23; 7013.5; 23-DEC-2009 08:48:01; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;40856  
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26; 7438.9; 23-DEC-2009 08:55:06; Dark ; 48.5; 179; 240mi2CMa ; 3.03; 24000;occ; 97; 0;40856  
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9; 3955.4; 23-DEC-2009 09:37:38; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;40857  
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10; 3955.1; 23-DEC-2009 11:18:14; Bright; 47.5; 32; 77Eps UMa ; 1.76; 11000;occ; 95; 0;40858
11; 4128.3; 23-DEC-2009 11:21:07; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40858
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 9; 3700.5; 23-DEC-2009 12:54:35; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;40859
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11; 4128.1; 23-DEC-2009 13:01:43; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;40859
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13; 3700.4; 23-DEC-2009 17:56:23; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;40862  
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16; 4347.2; 23-DEC-2009 18:07:10; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40862  
17; 4550.7; 23-DEC-2009 18:10:33; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;40862



18; 4769.7; 23-DEC-2009 18:14:12; Bright; 66.0; 111; 8Eta Boo ; 2.68; 6000;occ; 132; 0;40862  
 19; 5420.9; 23-DEC-2009 18:25:04; Dark ; 55.5; 15; 67Alp Vir ; 0.98; 28000;occ; 111; 0;40862  
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 22; 6051.6; 23-DEC-2009 18:35:34; Dark ; 42.5; 64; Gam Cen ; 2.20; 10600;occ; 85; 0;40862  
 23; 6139.5; 23-DEC-2009 18:37:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40862  
 24; 6405.9; 23-DEC-2009 18:41:29; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40862  
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 9; 852.4; 24-DEC-2009 01:31:55; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;40867  
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 17; 2045.7; 24-DEC-2009 01:51:48; Dark ; 53.5; 14; 58Alp Ori ; 0.87; 3000;occ; 107; 0;40867  
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 22; 3699.8; 24-DEC-2009 02:19:22; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;40867  
 23; 3952.3; 24-DEC-2009 02:23:35; Bright; 47.0; 32; 77Eps UMA ; 1.76; 11000;occ; 94; 0;40867  
 24; 4127.1; 24-DEC-2009 02:26:29; Bright; 53.5; 39; 85Eta UMA ; 1.85; 24000;occ; 107; 0;40867

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

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6; -342.0; 24-DEC-2009 02:52:36; Dark ; 43.0; 54; 5The Cen ; 2.06; 4500;occ; 86; 0;40867  
7; -223.9; 24-DEC-2009 02:54:34; Dark ; 42.5; 123; Iot Cen ; 2.75; 10200;occ; 85; 0;40867  
8; 19.2; 24-DEC-2009 02:58:37; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;40868  
9; 107.9; 24-DEC-2009 03:00:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40868  
10; 374.6; 24-DEC-2009 03:04:33; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40868  
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13; 852.9; 24-DEC-2009 03:12:31; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;40868  
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18; 1568.0; 24-DEC-2009 03:24:26; Dark ; 54.0; 1; 9Alp CMa ; -1.44; 11000;occ; 108; 0;40868  
19; 1757.4; 24-DEC-2009 03:27:36; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0;40868  
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21; 2045.8; 24-DEC-2009 03:32:24; Dark ; 56.5; 14; 58Alp Ori ; 0.87; 3000;occ; 113; 0;40868  
22; 2288.7; 24-DEC-2009 03:36:27; Bright; 41.5; 176; 23Zet Tau ; 3.02; 22000;occ; 83; 0;40868  
23; 2413.4; 24-DEC-2009 03:38:32; Bright; 40.5; 28; 12Bet Tau ; 1.65; 15200;occ; 81; 0;40868  
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25; 2709.1; 24-DEC-2009 03:43:27; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;40868

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3; -1908.7; 24-DEC-2009 04:07:05; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40868  
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6; -1263.8; 24-DEC-2009 04:17:50; Bright; 67.0; 111; 8Eta Boo ; 2.68; 6000;occ; 134; 0;40868  
7; -739.8; 24-DEC-2009 04:26:34; Bright; 43.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 86; 0;40868  
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13; 375.4; 24-DEC-2009 04:45:10; Dark ; 56.0; 113; Mu Vel ; 2.69; 5000;occ; 112; 0;40869  
14; 567.6; 24-DEC-2009 04:48:22; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40869  
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23; 1878.9; 24-DEC-2009 05:10:13; Dark ; 44.0; 30; 46Eps Ori ; 1.69; 30000;occ; 88; 0;40869  
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29; 3699.8; 24-DEC-2009 05:40:34; Bright; 26.0; 60; 7Bet UMi ; 2.08; 3950;occ; 52; 0;40869

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23; 6909.2; 26-DEC-2009 12:13:13; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;40901
24; 7040.7; 26-DEC-2009 12:15:25; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;40901
25; 7177.3; 26-DEC-2009 12:17:41; Dark ; 50.5; 117; Pi Pup ; 2.71; 3800;occ; 101; 0;40901
26; 7353.6; 26-DEC-2009 12:20:38; Dark ; 48.0; 23; 21Eps CMA ; 1.50; 26000;occ; 96; 0;40901
27; 7450.6; 26-DEC-2009 12:22:15; Dark ; 46.5; 179; 240mi2CMA ; 3.03; 24000;occ; 93; 0;40901
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3; 1878.9; 26-DEC-2009 12:29:59; Dark ; 43.5; 30; 46Eps Ori ; 1.69; 30000;occ; 87; 0;40902
4; 2040.2; 26-DEC-2009 12:32:40; Dark ; 56.5; 14; 58Alp Ori ; 0.87; 3000;occ; 113; 0;40902
5; 2261.9; 26-DEC-2009 12:36:22; Dark ; 67.0; 44; 24Gam Gem ; 1.93; 11000;occ; 134; 0;40902
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
8; 2702.5; 26-DEC-2009 12:43:42; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;40902
9; 3646.1; 26-DEC-2009 12:59:26; Bright; 48.5; 36; 50Alp UMa ; 1.80; 6300;occ; 97; 0;40902
10; 3941.0; 26-DEC-2009 13:04:21; Bright; 52.0; 32; 77Eps UMa ; 1.76; 11000;occ; 104; 0;40902
11; 4122.6; 26-DEC-2009 13:07:23; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;40902
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
15; 5311.6; 26-DEC-2009 13:27:12; Dark ; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;40902
16; 5462.5; 26-DEC-2009 13:29:42; Dark ; 59.0; 15; 67Alp Vir ; 0.98; 28000;occ; 118; 0;40902
17; 5714.7; 26-DEC-2009 13:33:55; Dark ; 55.0; 54; 5The Cen ; 2.06; 4500;occ; 110; 0;40902
18; 5840.7; 26-DEC-2009 13:36:01; Dark ; 44.0; 123; Iot Cen ; 2.75; 10200;occ; 88; 0;40902

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 22; 6623.0; 26-DEC-2009 13:49:03; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40902  
 23; 6725.3; 26-DEC-2009 13:50:45; Dark ; 50.5; 41; Eps Car ; 1.86; 4100;occ; 101; 0;40902  
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 25; 7041.4; 26-DEC-2009 13:56:01; Dark ; 48.0; 70; Zet Pup ; 2.25; 39000;occ; 96; 0;40902  
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 27; 7354.0; 26-DEC-2009 14:01:14; Dark ; 47.5; 23; 21Eps CMA ; 1.50; 26000;occ; 95; 0;40902  
 28; 7451.0; 26-DEC-2009 14:02:51; Dark ; 46.0; 179; 240mi2CMA ; 3.03; 24000;occ; 92; 0;40902

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 10; 3645.6; 26-DEC-2009 14:40:01; Bright; 47.5; 36; 50Alp UMa ; 1.80; 6300;occ; 95; 0;40903  
 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  
 15; 4787.1; 26-DEC-2009 14:59:03; Bright; 49.0; 111; 8Eta Boo ; 2.68; 6000;occ; 98; 0;40903  
 16; 5312.2; 26-DEC-2009 15:07:48; Dark ; 43.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 86; 0;40903  
 17; 5463.6; 26-DEC-2009 15:10:19; Dark ; 59.0; 15; 67Alp Vir ; 0.98; 28000;occ; 118; 0;40903  
 18; 5715.4; 26-DEC-2009 15:14:31; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;40903  
 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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 21; 6175.6; 26-DEC-2009 15:22:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40903  
 22; 6443.2; 26-DEC-2009 15:26:39; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40903  
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 24; 6725.9; 26-DEC-2009 15:31:22; Dark ; 51.0; 41; Eps Car ; 1.86; 4100;occ; 102; 0;40903  
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 26; 7042.0; 26-DEC-2009 15:36:38; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40903  
 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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 3; 1724.7; 26-DEC-2009 15:48:37; Dark ; 44.5; 56; 53Kap Ori ; 2.07; 30000;occ; 89; 0;40904  
 4; 1878.8; 26-DEC-2009 15:51:11; Dark ; 44.0; 30; 46Eps Ori ; 1.69; 30000;occ; 88; 0;40904  
 5; 2040.1; 26-DEC-2009 15:53:52; Dark ; 57.0; 14; 58Alp Ori ; 0.87; 3000;occ; 114; 0;40904  
 6; 2260.8; 26-DEC-2009 15:57:33; Dark ; 53.5; 44; 24Gam Gem ; 1.93; 11000;occ; 107; 0;40904  
 7; 2406.7; 26-DEC-2009 15:59:58; Bright; 39.5; 28; 12Bet Tau ; 1.65; 15200;occ; 79; 0;40904  
 8; 2590.9; 26-DEC-2009 16:03:03; Bright; 40.5; 107; 37The Aur ; 2.65; 11000;occ; 81; 0;40904  
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 10; 3645.0; 26-DEC-2009 16:20:37; Bright; 48.0; 36; 50Alp UMa ; 1.80; 6300;occ; 96; 0;40904  
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 12; 4122.5; 26-DEC-2009 16:28:34; Bright; 61.5; 39; 85Eta UMa ; 1.85; 24000;occ; 123; 0;40904  
 13; 4349.6; 26-DEC-2009 16:32:21; Bright; 59.0; 180; 27Gam Boo ; 3.04; 8000;occ; 118; 0;40904  
 14; 4559.2; 26-DEC-2009 16:35:51; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;40904  
 15; 4787.7; 26-DEC-2009 16:39:39; Bright; 49.5; 111; 8Eta Boo ; 2.68; 6000;occ; 99; 0;40904  
 16; 5312.5; 26-DEC-2009 16:48:24; Dark ; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;40904  
 17; 5464.8; 26-DEC-2009 16:50:57; Dark ; 60.0; 15; 67Alp Vir ; 0.98; 28000;occ; 120; 0;40904  
 18; 5715.9; 26-DEC-2009 16:55:08; Dark ; 44.0; 54; 5The Cen ; 2.06; 4500;occ; 88; 0;40904  
 19; 5842.3; 26-DEC-2009 16:57:14; Dark ; 45.0; 123; Iot Cen ; 2.75; 10200;occ; 90; 0;40904  
 20; 6082.7; 26-DEC-2009 17:01:14; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40904  
 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  
 24; 6726.4; 26-DEC-2009 17:11:58; Dark ; 43.5; 41; Eps Car ; 1.86; 4100;occ; 87; 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
20;	5716.7;	26-DEC-2009	18:35:45;	Dark	;	45.0;	54;	5The Cen	;	2.06;	4500;	occ;	90;	0;	40905
21;	5843.1;	26-DEC-2009	18:37:51;	Dark	;	42.5;	123;	Iot Cen	;	2.75;	10200;	occ;	85;	0;	40905
22;	6083.4;	26-DEC-2009	18:41:51;	Dark	;	46.5;	64;	Gam Cen	;	2.20;	10600;	occ;	93;	0;	40905
23;	6177.5;	26-DEC-2009	18:43:25;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	40905
24;	6444.9;	26-DEC-2009	18:47:53;	Dark	;	47.5;	113;	Mu Vel	;	2.69;	5000;	occ;	95;	0;	40905
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
28;	7043.3;	26-DEC-2009	18:57:51;	Dark	;	47.5;	70;	Zet Pup	;	2.25;	39000;	occ;	95;	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
5;	1572.6;	26-DEC-2009	19:07:16;	Dark	;	52.5;	1;	9Alp CMa	;	-1.44;	11000;	occ;	105;	0;	40906
6;	1724.9;	26-DEC-2009	19:09:49;	Dark	;	45.0;	56;	53Kap Ori	;	2.07;	30000;	occ;	90;	0;	40906
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
10;	2406.2;	26-DEC-2009	19:21:10;	Bright	;	38.5;	28;	12Bet Tau	;	1.65;	15200;	occ;	77;	0;	40906
11;	2590.0;	26-DEC-2009	19:24:14;	Bright	;	40.0;	107;	37The Aur	;	2.65;	11000;	occ;	80;	0;	40906
12;	2701.7;	26-DEC-2009	19:26:06;	Bright	;	43.5;	6;	13Alp Aur	;	0.08;	3400;	occ;	87;	0;	40906
13;	3643.7;	26-DEC-2009	19:41:48;	Bright	;	46.0;	36;	50Alp UMa	;	1.80;	6300;	occ;	92;	0;	40906
14;	3939.5;	26-DEC-2009	19:46:43;	Bright	;	47.0;	32;	77Eps UMa	;	1.76;	11000;	occ;	94;	0;	40906
15;	4121.9;	26-DEC-2009	19:49:46;	Bright	;	41.5;	39;	85Eta UMa	;	1.85;	24000;	occ;	83;	0;	40906
16;	4349.6;	26-DEC-2009	19:53:33;	Bright	;	41.5;	180;	27Gam Boo	;	3.04;	8000;	occ;	83;	0;	40906
17;	4559.5;	26-DEC-2009	19:57:03;	Bright	;	39.0;	83;		;	2.38;	11000;	occ;	78;	0;	40906
18;	4788.4;	26-DEC-2009	20:00:52;	Bright	;	70.0;	111;	8Eta Boo	;	2.68;	6000;	occ;	140;	0;	40906
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
24;	6178.3;	26-DEC-2009	20:24:02;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	40906
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26;	6625.1;	26-DEC-2009	20:31:29;	Dark	;	42.0;	71;	Iot Car	;	2.25;	7700;	occ;	84;	0;	40906
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 11; 2694.6; 30-DEC-2009 15:38:54; Bright; 46.0; 6; 13Alp Aur ; 0.08; 3400;occ; 92; 0;40961  
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 22; 6127.2; 30-DEC-2009 16:36:07; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;40961  
 23; 6228.3; 30-DEC-2009 16:37:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40961  
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 25; 6656.4; 30-DEC-2009 16:44:56; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;40961  
 26; 6753.1; 30-DEC-2009 16:46:33; Dark ; 51.0; 41; Eps Car ; 1.86; 4100;occ; 102; 0;40961  
 27; 6942.4; 30-DEC-2009 16:49:42; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40961  
 28; 7074.3; 30-DEC-2009 16:51:54; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;40961  
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 16; 4112.8; 30-DEC-2009 17:43:09; Bright; 48.0; 39; 85Eta UMa ; 1.85; 24000;occ; 96; 0;40962  
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 18; 4570.5; 30-DEC-2009 17:50:46; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;40962  
 19; 4763.3; 30-DEC-2009 17:53:59; Bright; 51.0; 3; 16Alp Boo ; -0.05; 4250;occ; 102; 0;40962  
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 21; 5343.1; 30-DEC-2009 18:03:39; Dark ; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;40962  
 22; 5754.1; 30-DEC-2009 18:10:30; Dark ; 52.0; 54; 5The Cen ; 2.06; 4500;occ; 104; 0;40962  
 23; 5921.6; 30-DEC-2009 18:13:18; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;40962  
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 26; 6496.5; 30-DEC-2009 18:22:52; Dark ; 51.5; 113; Mu Vel ; 2.69; 5000;occ; 103; 0;40962  
 27; 6656.9; 30-DEC-2009 18:25:33; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40962  
 28; 6753.7; 30-DEC-2009 18:27:10; Dark ; 54.5; 41; Eps Car ; 1.86; 4100;occ; 109; 0;40962  
 29; 6942.9; 30-DEC-2009 18:30:19; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40962  
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 19; 4763.5; 30-DEC-2009 19:34:36; Bright; 53.0; 3; 16Alp Boo ; -0.05; 4250;occ; 106; 0;40963  
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 21; 5343.3; 30-DEC-2009 19:44:15; Dark ; 43.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 86; 0;40963  
 22; 5754.7; 30-DEC-2009 19:51:07; Dark ; 54.5; 54; 5The Cen ; 2.06; 4500;occ; 109; 0;40963  
 23; 5922.0; 30-DEC-2009 19:53:54; Dark ; 39.0; 95; Zet Cen ; 2.55; 26000;occ; 78; 0;40963  
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 13; 1430.4; 31-DEC-2009 01:21:26; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;40967  
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27; 4571.6; 31-DEC-2009 02:13:47; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;40967
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7; 623.5; 31-DEC-2009 02:48:35; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;40968
8; 720.0; 31-DEC-2009 02:50:11; Dark ; 53.5; 41; Eps Car ; 1.86; 4100;occ; 107; 0;40968
9; 909.4; 31-DEC-2009 02:53:21; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;40968
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11; 1167.7; 31-DEC-2009 02:57:39; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;40968
12; 1337.3; 31-DEC-2009 03:00:29; Dark ; 49.0; 23; 21Eps CMa ; 1.50; 26000;occ; 98; 0;40968
13; 1430.6; 31-DEC-2009 03:02:02; Dark ; 45.5; 179; 240mi2CMa ; 3.03; 24000;occ; 91; 0;40968
14; 1580.1; 31-DEC-2009 03:04:32; Dark ; 46.5; 1; 9Alp CMa ;-1.44; 11000;occ; 93; 0;40968
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16; 1880.7; 31-DEC-2009 03:09:32; Dark ; 43.5; 30; 46Eps Ori ; 1.69; 30000;occ; 87; 0;40968
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