

# GOMOS Daily Report 11-DEC-2009

## Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM\_TRA\_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	14DEC2009 04:57:09
Data source version	GOMOS/5.00L04
Start time of products	11DEC2009 00:00:17
Stop time of products	11DEC2009 23:57:16
Store outputs in DB	Yes
Nb of level 1b prods	148
Nb of prods with errors	1

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

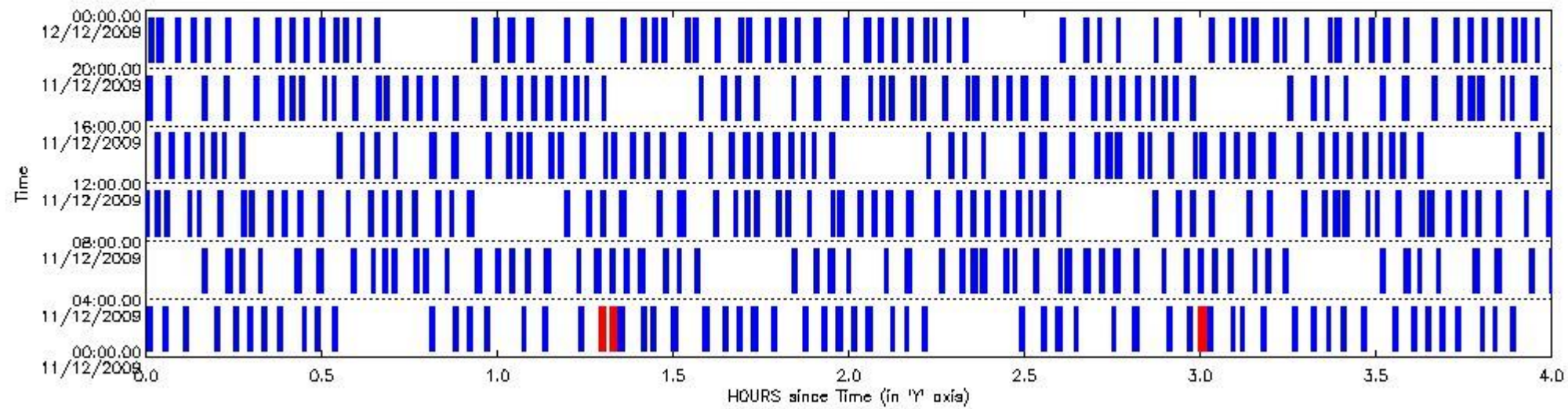
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
11-DEC-2009 01:17:18	46GamHya	169	40680
11-DEC-2009 01:19:08	4GamCrv	100	40680
11-DEC-2009 02:59:45	4GamCrv	100	40681

### 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_1PNPDE20091211_000017_000000462085_00045_40680_7492.N1	11-DEC-2009 00:00:17	Dark	45.500	2	Alp Car	-0.73600	7000.0	91	40680	No
2	GOM_TRA_1PNPDE20091211_000247_000000542085_00045_40680_7493.N1	11-DEC-2009 00:02:47	Dark	54.000	117	Pi Pup	2.7060	3800.0	108	40680	No
3	GOM_TRA_1PNPDE20091211_000613_000000472085_00045_40680_7494.N1	11-DEC-2009 00:06:13	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	40680	No
4	GOM_TRA_1PNPDE20091211_001137_000000462085_00045_40680_7495.N1	11-DEC-2009 00:11:37	Straylight	46.000	101	11Alp Lep	2.5820	7000.0	92	40680	No
5	GOM_TRA_1PNPDE20091211_001450_000000492085_00045_40680_7496.N1	11-DEC-2009 00:14:50	Straylight	49.000	7	19Bet Ori	0.10000	14000.	98	40680	No
6	GOM_TRA_1PNPDE20091211_001717_000000542085_00045_40680_7497.N1	11-DEC-2009 00:17:17	Straylight	53.500	30	46Eps Ori	1.6940	30000.	107	40680	No
7	GOM_TRA_1PNPDE20091211_001944_000000502085_00045_40680_7498.N1	11-DEC-2009 00:19:44	Twilight_stray	49.500	27	24Gam Ori	1.6360	26000.	99	40680	No
8	GOM_TRA_1PNPDE20091211_002220_000000512085_00045_40680_7499.N1	11-DEC-2009 00:22:20	Twilight_stray	51.000	13	87Alp Tau	0.86700	3800.0	102	40680	No

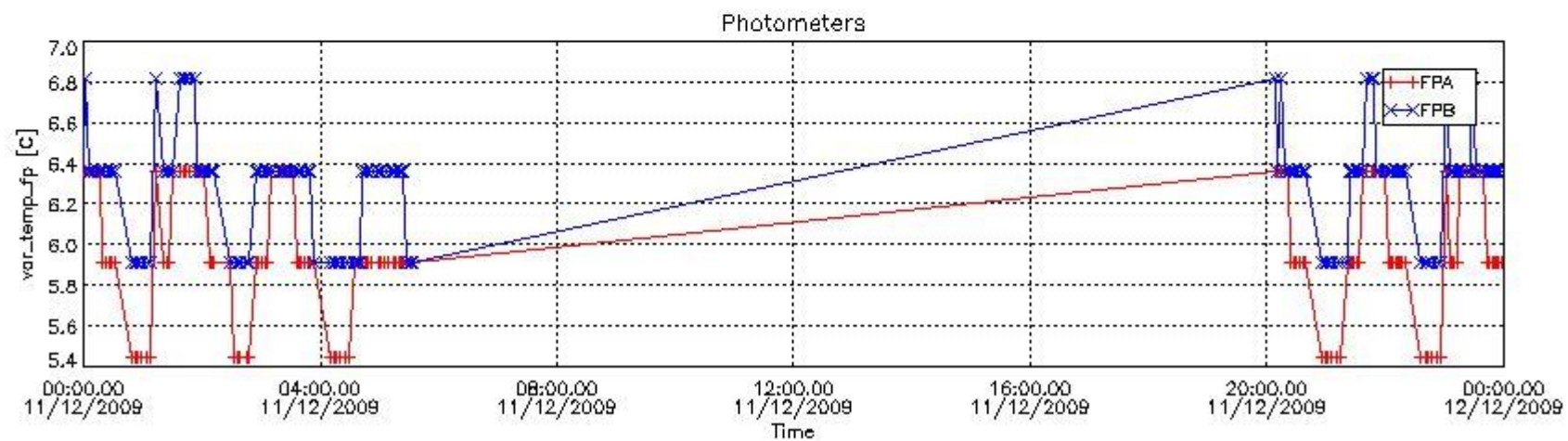
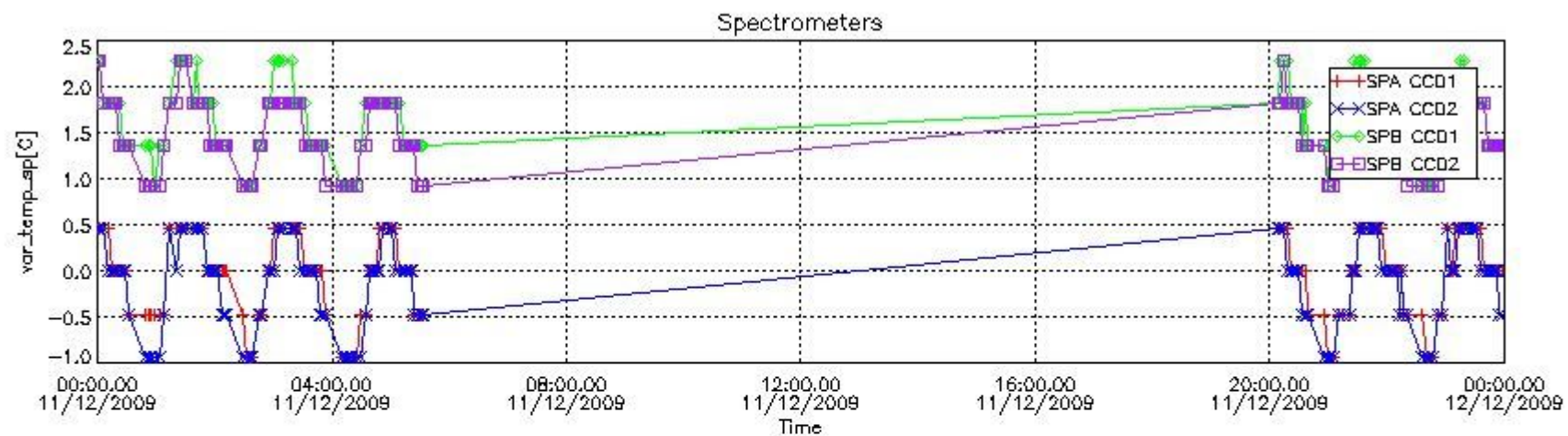
9	GOM_TRA_1PNPDE20091211_002634_000000362085_00045_40680_7500.N1	11-DEC-2009 00:26:34	Bright	36.000	150	44Zet Per	2.8900	28000.	72	40680	No
10	GOM_TRA_1PNPDE20091211_002854_000000372085_00045_40680_7501.N1	11-DEC-2009 00:28:54	Bright	36.500	149	45Eps Per	2.8880	30000.	73	40680	No
11	GOM_TRA_1PNPDE20091211_003152_000000442085_00045_40680_7502.N1	11-DEC-2009 00:31:52	Bright	43.500	6	13Alp Aur	0.080000	3400.0	87	40680	No
12	GOM_TRA_1PNPDE20091211_004826_000000502085_00045_40680_7503.N1	11-DEC-2009 00:48:26	Bright	49.500	36	50Alp UMa	1.8000	6300.0	99	40680	No
13	GOM_TRA_1PNPDE20091211_005219_000000462085_00045_40680_7504.N1	11-DEC-2009 00:52:19	Bright	45.500	32	77Eps UMa	1.7630	11000.	91	40680	No
14	GOM_TRA_1PNPDE20091211_005443_000000562085_00045_40680_7505.N1	11-DEC-2009 00:54:43	Bright	56.000	39	85Eta UMa	1.8540	24000.	112	40680	No
15	GOM_TRA_1PNPDE20091211_005753_000000352085_00045_40680_7506.N1	11-DEC-2009 00:57:53	Bright	34.500	180	27Gam Boo	3.0400	8000.0	69	40680	No
16	GOM_TRA_1PNPDE20091211_010411_000000382085_00045_40680_7507.N1	11-DEC-2009 01:04:11	Bright	38.000	111	8Eta Boo	2.6800	6000.0	76	40680	No
17	GOM_TRA_1PNPDE20091211_010747_000000462085_00045_40680_7508.N1	11-DEC-2009 01:07:47	Bright	46.000	138	47Eps Vir	2.8280	4700.0	92	40680	No
18	GOM_TRA_1PNPDE20091211_011341_000000492085_00045_40680_7490.N1	11-DEC-2009 01:13:41	Twilight	49.000	15	67Alp Vir	0.97600	28000.	98	40680	No
19	GOM_TRA_1PNPDE20091211_012036_000000572085_00045_40680_7491.N1	11-DEC-2009 01:20:36	Dark	56.500	171	2Eps Crv	3.0010	4250.0	113	40680	No
20	GOM_TRA_1PNPDE20091211_012436_000000442085_00045_40680_7492.N1	11-DEC-2009 01:24:36	Dark	44.000	64	Gam Cen	2.2000	10600.	88	40680	No
21	GOM_TRA_1PNPDE20091211_012609_000000412085_00045_40680_7493.N1	11-DEC-2009 01:26:09	Dark	40.500	99	Del Cen	2.5750	26000.	81	40680	No
22	GOM_TRA_1PNPDE20091211_012945_000000522085_00046_40681_7494.N1	11-DEC-2009 01:29:45	Dark	52.000	113	Mu Vel	2.6920	5000.0	104	40681	No
23	GOM_TRA_1PNPDE20091211_013822_000000472085_00046_40681_7495.N1	11-DEC-2009 01:38:22	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	40681	No
24	GOM_TRA_1PNPDE20091211_014053_000000562085_00046_40681_7496.N1	11-DEC-2009 01:40:53	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	40681	No
25	GOM_TRA_1PNPDE20091211_014323_000000582085_00046_40681_7497.N1	11-DEC-2009 01:43:23	Dark	57.500	117	Pi Pup	2.7060	3800.0	115	40681	No
26	GOM_TRA_1PNPDE20091211_014649_000000472085_00046_40681_7498.N1	11-DEC-2009 01:46:49	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	40681	No
27	GOM_TRA_1PNPDE20091211_015214_000000472085_00046_40681_7499.N1	11-DEC-2009 01:52:14	Straylight	47.000	101	11Alp Lep	2.5820	7000.0	94	40681	No
28	GOM_TRA_1PNPDE20091211_015526_000000482085_00046_40681_7500.N1	11-DEC-2009 01:55:26	Straylight	48.000	7	19Bet Ori	0.10000	14000.	96	40681	No
29	GOM_TRA_1PNPDE20091211_015752_000000512085_00046_40681_7501.N1	11-DEC-2009 01:57:52	Straylight	51.000	30	46Eps Ori	1.6940	30000.	102	40681	No
30	GOM_TRA_1PNPDE20091211_020019_000000532085_00046_40681_7502.N1	11-DEC-2009 02:00:19	Twilight	52.500	27	24Gam Ori	1.6360	26000.	105	40681	No
31	GOM_TRA_1PNPDE20091211_020255_000000562085_00046_40681_7503.N1	11-DEC-2009 02:02:55	Twilight	56.000	13	87Alp Tau	0.86700	3800.0	112	40681	No
32	GOM_TRA_1PNPDE20091211_020709_000000382085_00046_40681_7504.N1	11-DEC-2009 02:07:09	Bright	37.500	150	44Zet Per	2.8900	28000.	75	40681	No
33	GOM_TRA_1PNPDE20091211_020929_000000362085_00046_40681_7505.N1	11-DEC-2009 02:09:29	Bright	35.500	149	45Eps Per	2.8880	30000.	71	40681	No
34	GOM_TRA_1PNPDE20091211_021227_000000452085_00046_40681_7506.N1	11-DEC-2009 02:12:27	Bright	45.000	6	13Alp Aur	0.080000	3400.0	90	40681	No
35	GOM_TRA_1PNPDE20091211_022901_000000512085_00046_40681_7507.N1	11-DEC-2009 02:29:01	Bright	50.500	36	50Alp UMa	1.8000	6300.0	101	40681	No
36	GOM_TRA_1PNPDE20091211_023254_000000402085_00046_40681_7490.N1	11-DEC-2009 02:32:54	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	40681	No
37	GOM_TRA_1PNPDE20091211_023518_000000562085_00046_40681_7491.N1	11-DEC-2009 02:35:18	Bright	56.000	39	85Eta UMa	1.8540	24000.	112	40681	No
38	GOM_TRA_1PNPDE20091211_023829_000000342085_00046_40681_7492.N1	11-DEC-2009 02:38:29	Bright	33.500	180	27Gam Boo	3.0400	8000.0	67	40681	No
39	GOM_TRA_1PNPDE20091211_024447_000000392085_00046_40681_7493.N1	11-DEC-2009 02:44:47	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	40681	No
40	GOM_TRA_1PNPDE20091211_024824_000000672085_00046_40681_7494.N1	11-DEC-2009 02:48:24	Bright	67.000	138	47Eps Vir	2.8280	4700.0	134	40681	No
41	GOM_TRA_1PNPDE20091211_025418_000000492085_00046_40681_7495.N1	11-DEC-2009 02:54:18	Twilight	49.000	15	67Alp Vir	0.97600	28000.	98	40681	No
42	GOM_TRA_1PNPDE20091211_025746_000000452085_00046_40681_7496.N1	11-DEC-2009 02:57:46	Twilight	44.500	169	46Gam Hya	2.9910	4700.0	89	40681	No
43	GOM_TRA_1PNPDE20091211_030114_000000552085_00046_40681_7497.N1	11-DEC-2009 03:01:14	Dark	55.000	171	2Eps Crv	3.0010	4250.0	110	40681	No
44	GOM_TRA_1PNPDE20091211_030513_000000422085_00046_40681_7498.N1	11-DEC-2009 03:05:13	Dark	41.500	64	Gam Cen	2.2000	10600.	83	40681	No
45	GOM_TRA_1PNPDE20091211_030646_000000412085_00046_40681_7499.N1	11-DEC-2009 03:06:46	Dark	41.000	99	Del Cen	2.5750	26000.	82	40681	No
46	GOM_TRA_1PNPDE20091211_031022_000000432085_00047_40682_7500.N1	11-DEC-2009 03:10:22	Dark	42.500	113	Mu Vel	2.6920	5000.0	85	40682	No
47	GOM_TRA_1PNPDE20091211_031859_000000462085_00047_40682_7501.N1	11-DEC-2009 03:18:59	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	40682	No
48	GOM_TRA_1PNPDE20091211_032130_000000442085_00047_40682_7502.N1	11-DEC-2009 03:21:30	Dark	44.000	2	Alp Car	-0.73600	7000.0	88	40682	No
49	GOM_TRA_1PNPDE20091211_032400_000000572085_00047_40682_7503.N1	11-DEC-2009 03:24:00	Dark	57.000	117	Pi Pup	2.7060	3800.0	114	40682	No
50	GOM_TRA_1PNPDE20091211_032726_000000512085_00047_40682_7504.N1	11-DEC-2009 03:27:26	Dark	51.000	23	21Eps CMa	1.5020	26000.	102	40682	No
51	GOM_TRA_1PNPDE20091211_033249_000000452085_00047_40682_7505.N1	11-DEC-2009 03:32:49	Straylight	45.000	101	11Alp Lep	2.5820	7000.0	90	40682	No
52	GOM_TRA_1PNPDE20091211_033602_000000592085_00047_40682_7506.N1	11-DEC-2009 03:36:02	Straylight	59.000	7	19Bet Ori	0.10000	14000.	118	40682	No
53	GOM_TRA_1PNPDE20091211_033828_000000542085_00047_40682_7507.N1	11-DEC-2009 03:38:28	Straylight	54.000	30	46Eps Ori	1.6940	30000.	108	40682	No
54	GOM_TRA_1PNPDE20091211_034055_000000502085_00047_40682_7508.N1	11-DEC-2009 03:40:55	Twilight	49.500	27	24Gam Ori	1.6360	26000.	99	40682	No
55	GOM_TRA_1PNPDE20091211_034331_000000552085_00047_40682_7509.N1	11-DEC-2009 03:43:31	Twilight	54.500	13	87Alp Tau	0.86700	3800.0	109	40682	No
56	GOM_TRA_1PNPDE20091211_034745_000000362085_00047_40682_7510.N1	11-DEC-2009 03:47:45	Bright	35.500	150	44Zet Per	2.8900	28000.	71	40682	No
57	GOM_TRA_1PNPDE20091211_035006_000000352085_00047_40682_7511.N1	11-DEC-2009 03:50:06	Bright	35.000	149	45Eps Per	2.8880	30000.	70	40682	No
58	GOM_TRA_1PNPDE20091211_035303_000000482085_00047_40682_7512.N1	11-DEC-2009 03:53:03	Bright	47.500	6	13Alp Aur	0.080000	3400.0	95	40682	No
59	GOM_TRA_1PNPDE20091211_040937_000000522085_00047_40682_7490.N1	11-DEC-2009 04:09:37	Bright	51.500	36	50Alp UMa	1.8000	6300.0	103	40682	No
60	GOM_TRA_1PNPDE20091211_041330_000000602085_00047_40682_7491.N1	11-DEC-2009 04:13:30	Bright	60.000	32	77Eps UMa	1.7630	11000.	120	40682	No
61	GOM_TRA_1PNPDE20091211_041554_000000562085_00047_40682_7492.N1	11-DEC-2009 04:15:54	Bright	55.500	39	85Eta UMa	1.8540	24000.	111	40682	No
62	GOM_TRA_1PNPDE20091211_041905_000000352085_00047_40682_7493.N1	11-DEC-2009 04:19:05	Bright	35.000	180	27Gam Boo	3.0400	8000.0	70	40682	No
63	GOM_TRA_1PNPDE20091211_042524_000000572085_00047_40682_7494.N1	11-DEC-2009 04:25:24	Bright	57.000	111	8Eta Boo	2.6800	6000.0	114	40682	No
64	GOM_TRA_1PNPDE20091211_042900_000000672085_00047_40682_7495.N1	11-DEC-2009 04:29:00	Bright	67.000	138	47Eps Vir	2.8280	4700.0	134	40682	No
65	GOM_TRA_1PNPDE20091211_043454_000000502085_00047_40682_7496.N1	11-DEC-2009 04:34:54	Twilight	49.500	15	67Alp Vir	0.97600	28000.	99	40682	No
66	GOM_TRA_1PNPDE20091211_043823_000000452085_00047_40682_7497.N1	11-DEC-2009 04:38:23	Twilight	45.000	169	46Gam Hya	2.9910	4700.0	90	40682	No
67	GOM_TRA_1PNPDE20091211_044014_000000552085_00047_40682_7498.N1	11-DEC-2009 04:40:14	Dark	55.000	100	4Gam Crv	2.5800	13100.	110	40682	No



68	GOM_TRA_1PNPDE20091211_044151_000000532085_00047_40682_7499.N1	11-DEC-2009 04:41:51	Dark	53.000	171	2Eps Crv	3.0010	4250.0	106	40682	No
69	GOM_TRA_1PNPDE20091211_044549_000000402085_00047_40682_7500.N1	11-DEC-2009 04:45:49	Dark	39.500	64	Gam Cen	2.2000	10600.	79	40682	No
70	GOM_TRA_1PNPDE20091211_044722_000000412085_00047_40682_7501.N1	11-DEC-2009 04:47:22	Dark	41.000	99	Del Cen	2.5750	26000.	82	40682	No
71	GOM_TRA_1PNPDE20091211_045059_000000432085_00048_40683_7502.N1	11-DEC-2009 04:50:59	Dark	43.000	113	Mu Vel	2.6920	5000.0	86	40683	No
72	GOM_TRA_1PNPDE20091211_045936_000000502085_00048_40683_7503.N1	11-DEC-2009 04:59:36	Dark	50.000	34	Gam2Vel	1.7930	23000.	100	40683	No
73	GOM_TRA_1PNPDE20091211_050206_000000462085_00048_40683_7504.N1	11-DEC-2009 05:02:06	Dark	45.500	2	Alp Car	-0.73600	7000.0	91	40683	No
74	GOM_TRA_1PNPDE20091211_050436_000000572085_00048_40683_7505.N1	11-DEC-2009 05:04:36	Dark	57.000	117	Pi Pup	2.7060	3800.0	114	40683	No
75	GOM_TRA_1PNPDE20091211_050802_000000512085_00048_40683_7506.N1	11-DEC-2009 05:08:02	Straylight	51.000	23	21Eps CMa	1.5020	26000.	102	40683	No
76	GOM_TRA_1PNPDE20091211_051325_000000472085_00048_40683_7507.N1	11-DEC-2009 05:13:25	Straylight	46.500	101	11Alp Lep	2.5820	7000.0	93	40683	No
77	GOM_TRA_1PNPDE20091211_051638_000000502085_00048_40683_7508.N1	11-DEC-2009 05:16:38	Straylight	49.500	7	19Bet Ori	0.10000	14000.	99	40683	No
78	GOM_TRA_1PNPDE20091211_051904_000000502085_00048_40683_7509.N1	11-DEC-2009 05:19:04	Straylight	50.000	30	46Eps Ori	1.6940	30000.	100	40683	No
79	GOM_TRA_1PNPDE20091211_052131_000000512085_00048_40683_7510.N1	11-DEC-2009 05:21:31	Tw_i_and_stray	51.000	27	24Gam Ori	1.6360	26000.	102	40683	No
80	GOM_TRA_1PNPDE20091211_052407_000000542085_00048_40683_7511.N1	11-DEC-2009 05:24:07	Tw_i_and_stray	53.500	13	87Alp Tau	0.86700	3800.0	107	40683	No
81	GOM_TRA_1PNPDE20091211_052821_000000372085_00048_40683_7512.N1	11-DEC-2009 05:28:21	Bright	37.000	150	44Zet Per	2.8900	28000.	74	40683	No
82	GOM_TRA_1PNPDE20091211_053041_000000372085_00048_40683_7513.N1	11-DEC-2009 05:30:41	Bright	36.500	149	45Eps Per	2.8880	30000.	73	40683	No
83	GOM_TRA_1PNPDE20091211_053338_000000462085_00048_40683_7514.N1	11-DEC-2009 05:33:38	Bright	46.000	6	13Alp Aur	0.080000	3400.0	92	40683	No
84	GOM_TRA_1PNPDE20091211_200734_000000542085_00057_40692_7578.N1	11-DEC-2009 20:07:34	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	40692	No
85	GOM_TRA_1PNPDE20091211_201006_000000552085_00057_40692_7579.N1	11-DEC-2009 20:10:06	Dark	54.500	117	Pi Pup	2.7060	3800.0	109	40692	No
86	GOM_TRA_1PNPDE20091211_201330_000000562085_00057_40692_7580.N1	11-DEC-2009 20:13:30	Straylight	55.500	23	21Eps CMa	1.5020	26000.	111	40692	No
87	GOM_TRA_1PNPDE20091211_201822_000000522085_00057_40692_7581.N1	11-DEC-2009 20:18:22	Straylight	52.000	47	2Bet CMa	1.9760	28000.	104	40692	No
88	GOM_TRA_1PNPDE20091211_202202_000000542085_00057_40692_7582.N1	11-DEC-2009 20:22:02	Straylight	54.000	7	19Bet Ori	0.10000	14000.	108	40692	No
89	GOM_TRA_1PNPDE20091211_202426_000000502085_00057_40692_7583.N1	11-DEC-2009 20:24:26	Straylight	49.500	30	46Eps Ori	1.6940	30000.	99	40692	No
90	GOM_TRA_1PNPDE20091211_202652_000000512085_00057_40692_7584.N1	11-DEC-2009 20:26:52	Tw_i_and_stray	51.000	27	24Gam Ori	1.6360	26000.	102	40692	No
91	GOM_TRA_1PNPDE20091211_202930_000000492085_00057_40692_7585.N1	11-DEC-2009 20:29:30	Tw_i_and_stray	49.000	13	87Alp Tau	0.86700	3800.0	98	40692	No
92	GOM_TRA_1PNPDE20091211_203206_000000472085_00057_40692_7586.N1	11-DEC-2009 20:32:06	Bright	46.500	176	23Zet Tau	3.0200	22000.	93	40692	No
93	GOM_TRA_1PNPDE20091211_203345_000000372085_00057_40692_7587.N1	11-DEC-2009 20:33:45	Bright	37.000	150	44Zet Per	2.8900	28000.	74	40692	No
94	GOM_TRA_1PNPDE20091211_203604_000000362085_00057_40692_7588.N1	11-DEC-2009 20:36:04	Bright	35.500	149	45Eps Per	2.8880	30000.	71	40692	No
95	GOM_TRA_1PNPDE20091211_203858_000000462085_00057_40692_7589.N1	11-DEC-2009 20:38:58	Bright	45.500	6	13Alp Aur	0.080000	3400.0	91	40692	No
96	GOM_TRA_1PNPDE20091211_205532_000000492085_00057_40692_7590.N1	11-DEC-2009 20:55:32	Bright	48.500	36	50Alp UMa	1.8000	6300.0	97	40692	No
97	GOM_TRA_1PNPDE20091211_205928_000000392085_00057_40692_7591.N1	11-DEC-2009 20:59:28	Bright	38.500	32	77Eps UMa	1.7630	11000.	77	40692	No
98	GOM_TRA_1PNPDE20091211_210153_000000562085_00057_40692_7592.N1	11-DEC-2009 21:01:53	Bright	56.000	39	85Eta UMa	1.8540	24000.	112	40692	No
99	GOM_TRA_1PNPDE20091211_210506_000000542085_00057_40692_7593.N1	11-DEC-2009 21:05:06	Bright	54.000	180	27Gam Boo	3.0400	8000.0	108	40692	No
100	GOM_TRA_1PNPDE20091211_211126_000000512085_00057_40692_7594.N1	11-DEC-2009 21:11:26	Bright	51.000	111	8Eta Boo	2.6800	6000.0	102	40692	No
101	GOM_TRA_1PNPDE20091211_211506_000000682085_00057_40692_7595.N1	11-DEC-2009 21:15:06	Bright	68.000	138	47Eps Vir	2.8280	4700.0	136	40692	No
102	GOM_TRA_1PNPDE20091211_212100_000000482085_00057_40692_7597.N1	11-DEC-2009 21:21:00	Tw_i_and_stray	48.000	15	67Alp Vir	0.97600	28000.	96	40692	No
103	GOM_TRA_1PNPDE20091211_212429_000000452085_00057_40692_7598.N1	11-DEC-2009 21:24:29	Twilight	45.000	169	46Gam Hya	2.9910	4700.0	90	40692	No
104	GOM_TRA_1PNPDE20091211_212626_000000522085_00057_40692_7599.N1	11-DEC-2009 21:26:26	Dark	51.500	100	4Gam Crv	2.5800	13100.	103	40692	No
105	GOM_TRA_1PNPDE20091211_212802_000000562085_00057_40692_7600.N1	11-DEC-2009 21:28:02	Dark	55.500	171	2Eps Crv	3.0010	4250.0	111	40692	No
106	GOM_TRA_1PNPDE20091211_213155_000000492085_00057_40692_7601.N1	11-DEC-2009 21:31:55	Dark	48.500	64	Gam Cen	2.2000	10600.	97	40692	No
107	GOM_TRA_1PNPDE20091211_213328_000000412085_00057_40692_7602.N1	11-DEC-2009 21:33:28	Dark	40.500	99	Del Cen	2.5750	26000.	81	40692	No
108	GOM_TRA_1PNPDE20091211_213707_000000442085_00058_40693_7603.N1	11-DEC-2009 21:37:07	Dark	43.500	113	Mu Vel	2.6920	5000.0	87	40693	No
109	GOM_TRA_1PNPDE20091211_214109_000000422085_00058_40693_7604.N1	11-DEC-2009 21:41:09	Dark	42.000	71	lot Car	2.2460	7700.0	84	40693	No
110	GOM_TRA_1PNPDE20091211_214543_000000482085_00058_40693_7605.N1	11-DEC-2009 21:45:43	Dark	48.000	34	Gam2Vel	1.7930	23000.	96	40693	No
111	GOM_TRA_1PNPDE20091211_214810_000000562085_00058_40693_7606.N1	11-DEC-2009 21:48:10	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	40693	No
112	GOM_TRA_1PNPDE20091211_215042_000000552085_00058_40693_7607.N1	11-DEC-2009 21:50:42	Dark	54.500	117	Pi Pup	2.7060	3800.0	109	40693	No
113	GOM_TRA_1PNPDE20091211_215407_000000572085_00058_40693_7608.N1	11-DEC-2009 21:54:07	Straylight	57.000	23	21Eps CMa	1.5020	26000.	114	40693	No
114	GOM_TRA_1PNPDE20091211_215858_000000522085_00058_40693_7609.N1	11-DEC-2009 21:58:58	Straylight	52.000	47	2Bet CMa	1.9760	28000.	104	40693	No
115	GOM_TRA_1PNPDE20091211_220237_000000572085_00058_40693_7610.N1	11-DEC-2009 22:02:37	Straylight	57.000	7	19Bet Ori	0.10000	14000.	114	40693	No
116	GOM_TRA_1PNPDE20091211_220502_000000512085_00058_40693_7611.N1	11-DEC-2009 22:05:02	Straylight	51.000	30	46Eps Ori	1.6940	30000.	102	40693	No
117	GOM_TRA_1PNPDE20091211_220728_000000502085_00058_40693_7612.N1	11-DEC-2009 22:07:28	Tw_i_and_stray	49.500	27	24Gam Ori	1.6360	26000.	99	40693	No
118	GOM_TRA_1PNPDE20091211_221005_000000512085_00058_40693_7613.N1	11-DEC-2009 22:10:05	Tw_i_and_stray	51.000	13	87Alp Tau	0.86700	3800.0	102	40693	No
119	GOM_TRA_1PNPDE20091211_221242_000000462085_00058_40693_7614.N1	11-DEC-2009 22:12:42	Bright	45.500	176	23Zet Tau	3.0200	22000.	91	40693	No
120	GOM_TRA_1PNPDE20091211_221420_000000352085_00058_40693_7615.N1	11-DEC-2009 22:14:20	Bright	34.500	150	44Zet Per	2.8900	28000.	69	40693	No
121	GOM_TRA_1PNPDE20091211_221640_000000362085_00058_40693_7616.N1	11-DEC-2009 22:16:40	Bright	35.500	149	45Eps Per	2.8880	30000.	71	40693	No
122	GOM_TRA_1PNPDE20091211_221933_000000482085_00058_40693_7617.N1	11-DEC-2009 22:19:33	Bright	47.500	6	13Alp Aur	0.080000	3400.0	95	40693	No
123	GOM_TRA_1PNPDE20091211_223607_000000492085_00058_40693_7618.N1	11-DEC-2009 22:36:07	Bright	49.000	36	50Alp UMa	1.8000	6300.0	98	40693	No
124	GOM_TRA_1PNPDE20091211_224003_000000472085_00058_40693_7619.N1	11-DEC-2009 22:40:03	Bright	47.000	32	77Eps UMa	1.7630	11000.	94	40693	No
125	GOM_TRA_1PNPDE20091211_224230_000000412085_00058_40693_7620.N1	11-DEC-2009 22:42:30	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	40693	No
126	GOM_TRA_1PNPDE20091211_224542_000000362085_00058_40693_7621.N1	11-DEC-2009 22:45:42	Bright	36.000	180	27Gam Boo	3.0400	8000.0	72	40693	No

127	GOM_TRA_1PNPDE20091211_225202_000000392085_00058_40693_7622.N1	11-DEC-2009 22:52:02	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	40693	No
128	GOM_TRA_1PNPDE20091211_225542_000000682085_00058_40693_7623.N1	11-DEC-2009 22:55:42	Bright	68.000	138	47Eps Vir	2.8280	4700.0	136	40693	No
129	GOM_TRA_1PNPDE20091211_230137_000000492085_00058_40693_7616.N1	11-DEC-2009 23:01:37	Twilight	48.500	15	67Alp Vir	0.97600	28000.	97	40693	Yes
130	GOM_TRA_1PNPDE20091211_230505_000000442085_00058_40693_7617.N1	11-DEC-2009 23:05:05	Twilight	44.000	169	46Gam Hya	2.9910	4700.0	88	40693	No
131	GOM_TRA_1PNPDE20091211_230703_000000532085_00058_40693_7618.N1	11-DEC-2009 23:07:03	Dark	53.000	100	4Gam Crv	2.5800	13100.	106	40693	No
132	GOM_TRA_1PNPDE20091211_230839_000000652085_00058_40693_7619.N1	11-DEC-2009 23:08:39	Dark	65.000	171	2Eps Crv	3.0010	4250.0	130	40693	No
133	GOM_TRA_1PNPDE20091211_231231_000000442085_00058_40693_7620.N1	11-DEC-2009 23:12:31	Dark	43.500	64	Gam Cen	2.2000	10600.	87	40693	No
134	GOM_TRA_1PNPDE20091211_231405_000000412085_00058_40693_7621.N1	11-DEC-2009 23:14:05	Dark	41.000	99	Del Cen	2.5750	26000.	82	40693	No
135	GOM_TRA_1PNPDE20091211_231743_000000422085_00059_40694_7622.N1	11-DEC-2009 23:17:43	Dark	41.500	113	Mu Vel	2.6920	5000.0	83	40694	No
136	GOM_TRA_1PNPDE20091211_232146_000000412085_00059_40694_7623.N1	11-DEC-2009 23:21:46	Dark	41.000	71	lot Car	2.2460	7700.0	82	40694	No
137	GOM_TRA_1PNPDE20091211_232620_000000472085_00059_40694_7624.N1	11-DEC-2009 23:26:20	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	40694	No
138	GOM_TRA_1PNPDE20091211_232846_000000502085_00059_40694_7625.N1	11-DEC-2009 23:28:46	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	40694	No
139	GOM_TRA_1PNPDE20091211_233119_000000552085_00059_40694_7626.N1	11-DEC-2009 23:31:19	Dark	55.000	117	Pi Pup	2.7060	3800.0	110	40694	No
140	GOM_TRA_1PNPDE20091211_233443_000000542085_00059_40694_7627.N1	11-DEC-2009 23:34:43	Straylight	54.000	23	21Eps CMa	1.5020	26000.	108	40694	No
141	GOM_TRA_1PNPDE20091211_233934_000000552085_00059_40694_7628.N1	11-DEC-2009 23:39:34	Straylight	55.000	47	2Bet CMa	1.9760	28000.	110	40694	No
142	GOM_TRA_1PNPDE20091211_234313_000000572085_00059_40694_7629.N1	11-DEC-2009 23:43:13	Straylight	57.000	7	19Bet Ori	0.10000	14000.	114	40694	No
143	GOM_TRA_1PNPDE20091211_234538_000000512085_00059_40694_7630.N1	11-DEC-2009 23:45:38	Straylight	50.500	30	46Eps Ori	1.6940	30000.	101	40694	No
144	GOM_TRA_1PNPDE20091211_234804_000000482085_00059_40694_7631.N1	11-DEC-2009 23:48:04	Twilight	48.000	27	24Gam Ori	1.6360	26000.	96	40694	No
145	GOM_TRA_1PNPDE20091211_235041_000000482085_00059_40694_7632.N1	11-DEC-2009 23:50:41	Twilight	48.000	13	87Alp Tau	0.86700	3800.0	96	40694	No
146	GOM_TRA_1PNPDE20091211_235317_000000442085_00059_40694_7633.N1	11-DEC-2009 23:53:17	Bright	44.000	176	23Zet Tau	3.0200	22000.	88	40694	No
147	GOM_TRA_1PNPDE20091211_235456_000000352085_00059_40694_7634.N1	11-DEC-2009 23:54:56	Bright	35.000	150	44Zet Per	2.8900	28000.	70	40694	No
148	GOM_TRA_1PNPDE20091211_235716_000000362085_00059_40694_7635.N1	11-DEC-2009 23:57:16	Bright	36.000	149	45Eps Per	2.8880	30000.	72	40694	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).

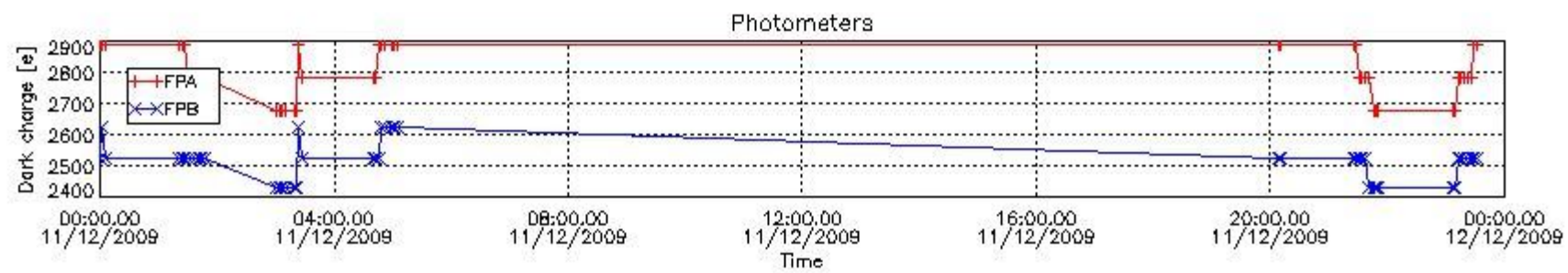
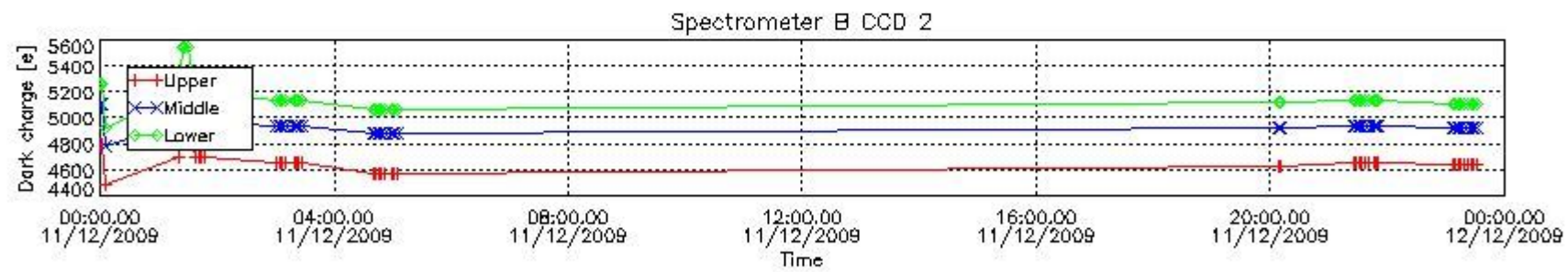
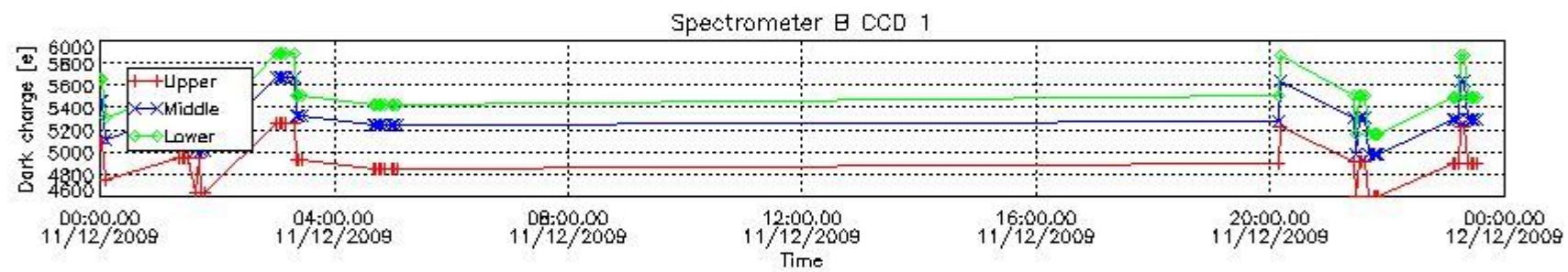
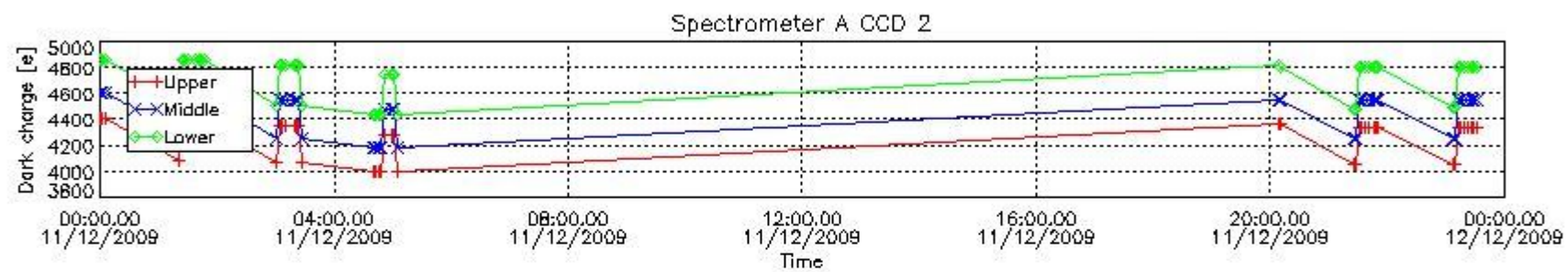
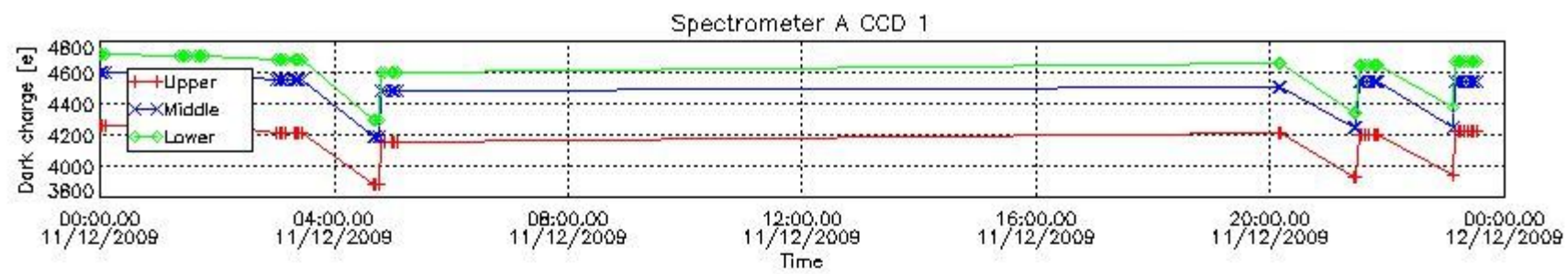
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20091211_200734_000000542085_00057_40692_7578.N1	DC map with no T dep.
GOM_TRA_1PNPDE20091211_201006_000000552085_00057_40692_7579.N1	DC map used
GOM_TRA_1PNPDE20091211_201330_000000562085_00057_40692_7580.N1	DC map used
GOM_TRA_1PNPDE20091211_201822_000000522085_00057_40692_7581.N1	DC map used
GOM_TRA_1PNPDE20091211_202202_000000542085_00057_40692_7582.N1	DC map used
GOM_TRA_1PNPDE20091211_202426_000000502085_00057_40692_7583.N1	DC map used
GOM_TRA_1PNPDE20091211_202652_000000512085_00057_40692_7584.N1	DC map used
GOM_TRA_1PNPDE20091211_202930_000000492085_00057_40692_7585.N1	DC map used
GOM_TRA_1PNPDE20091211_203206_000000472085_00057_40692_7586.N1	DC map used
GOM_TRA_1PNPDE20091211_203345_000000372085_00057_40692_7587.N1	DC map used
GOM_TRA_1PNPDE20091211_203604_000000362085_00057_40692_7588.N1	DC map used
GOM_TRA_1PNPDE20091211_203858_000000462085_00057_40692_7589.N1	DC map used
GOM_TRA_1PNPDE20091211_205532_000000492085_00057_40692_7590.N1	DC map used
GOM_TRA_1PNPDE20091211_205928_000000392085_00057_40692_7591.N1	DC map used
GOM_TRA_1PNPDE20091211_210153_000000562085_00057_40692_7592.N1	DC map used
GOM_TRA_1PNPDE20091211_210506_000000542085_00057_40692_7593.N1	DC map used
GOM_TRA_1PNPDE20091211_211126_000000512085_00057_40692_7594.N1	DC map used
GOM_TRA_1PNPDE20091211_211506_000000682085_00057_40692_7595.N1	DC map used

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





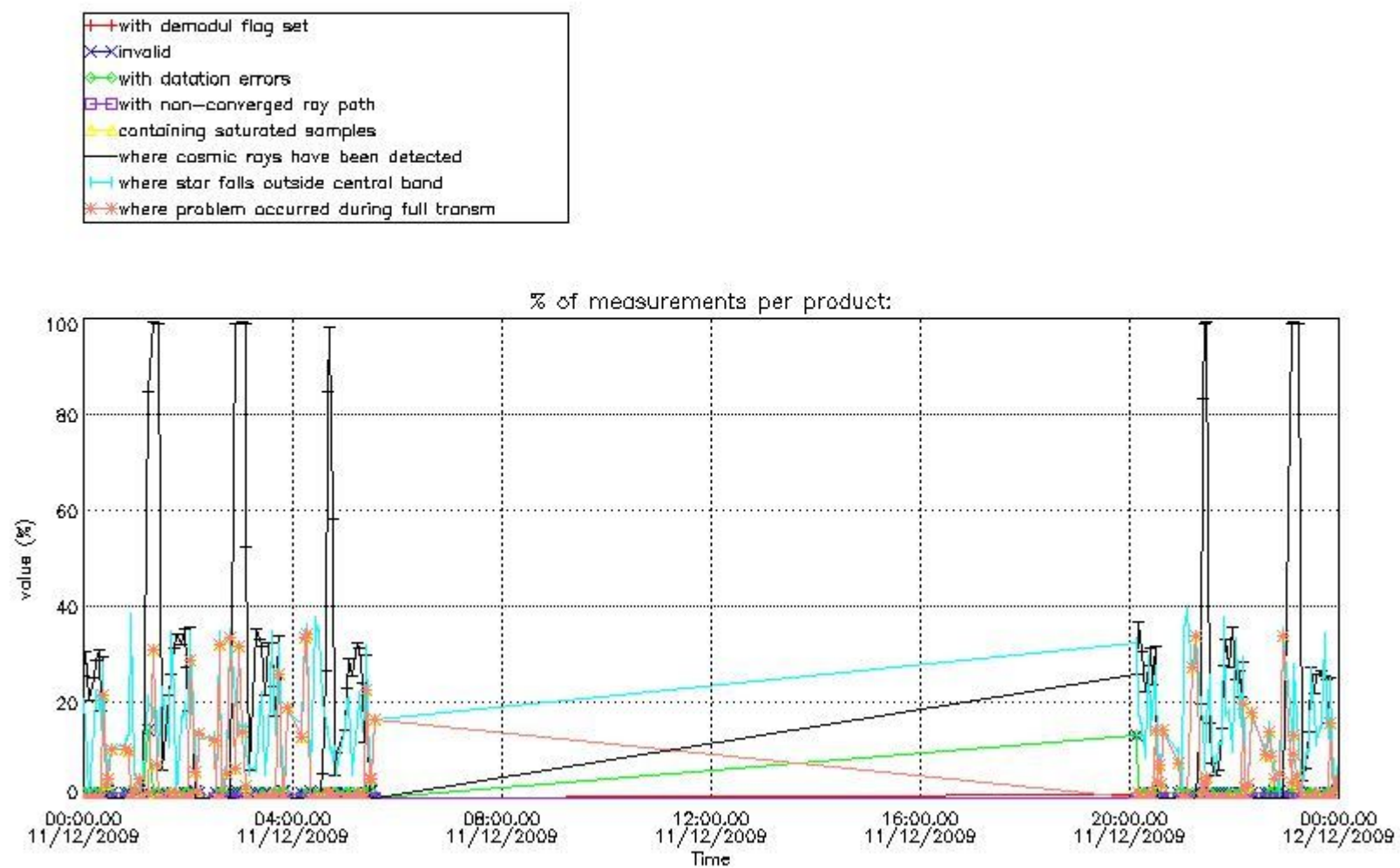
## 5. Demodulation flag and quality information monitoring

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

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

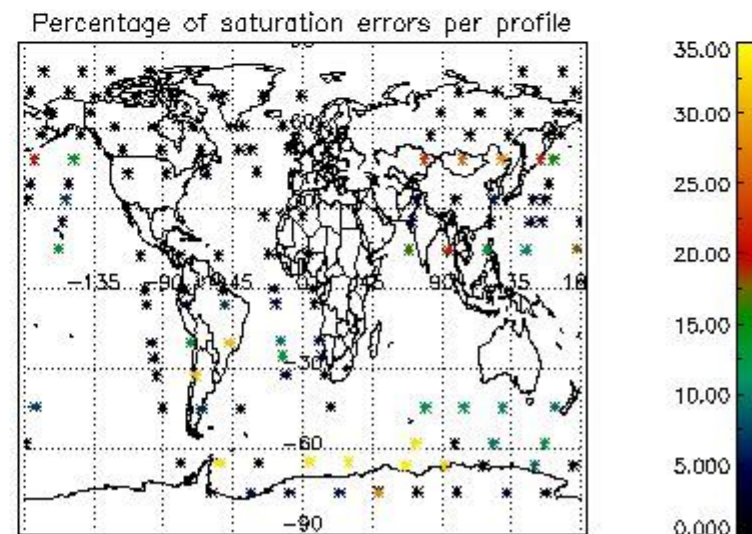
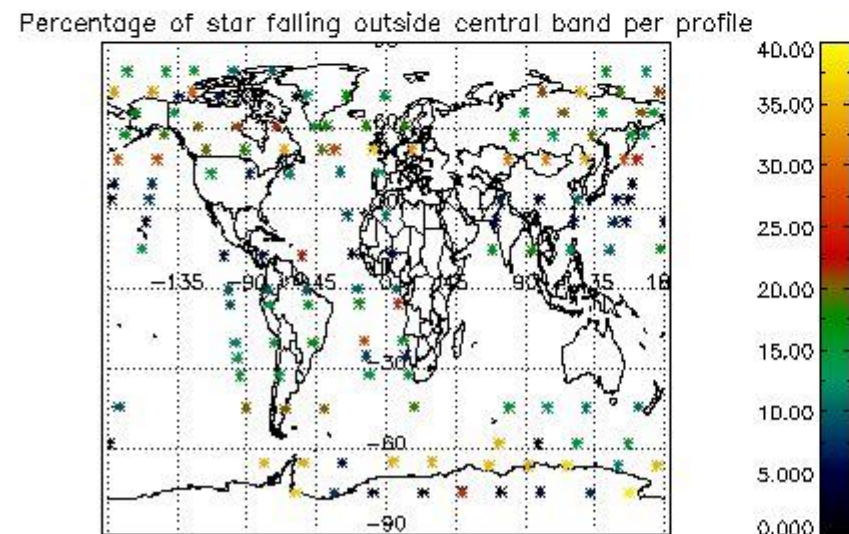
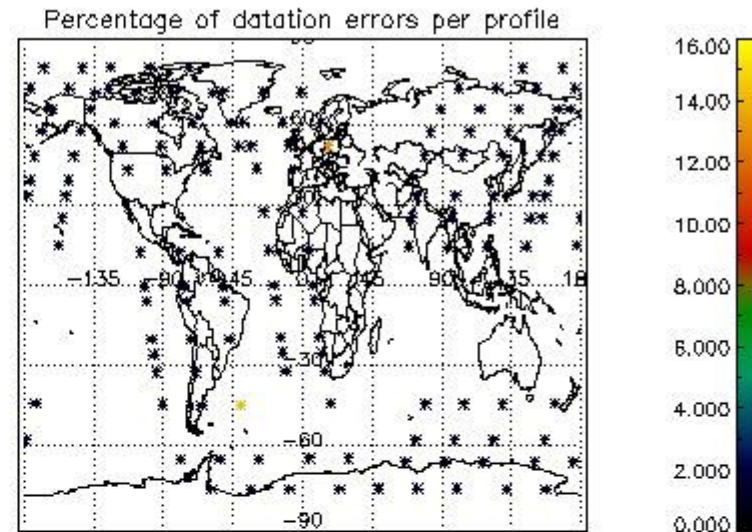
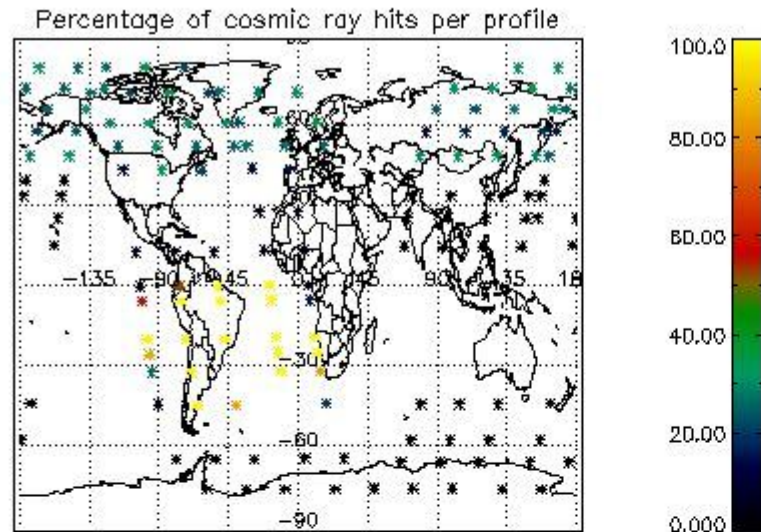
At least one measurement with demodulation flag set:	53.7415 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)





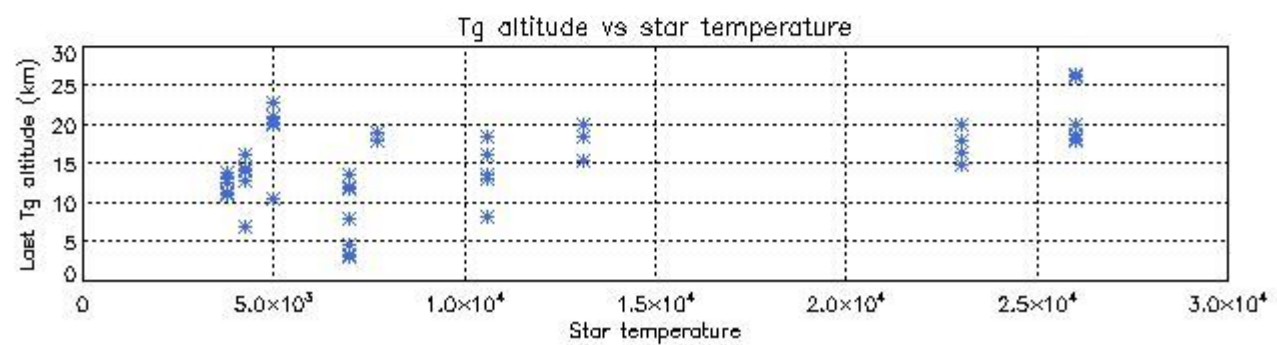
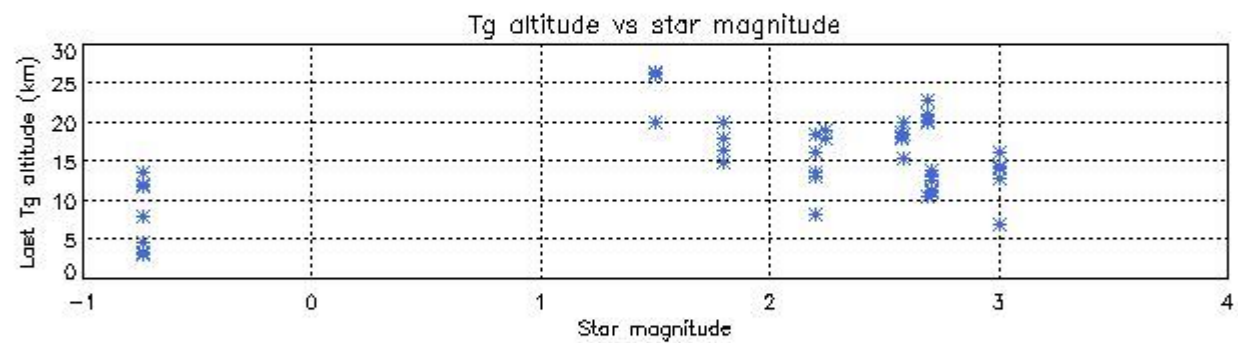
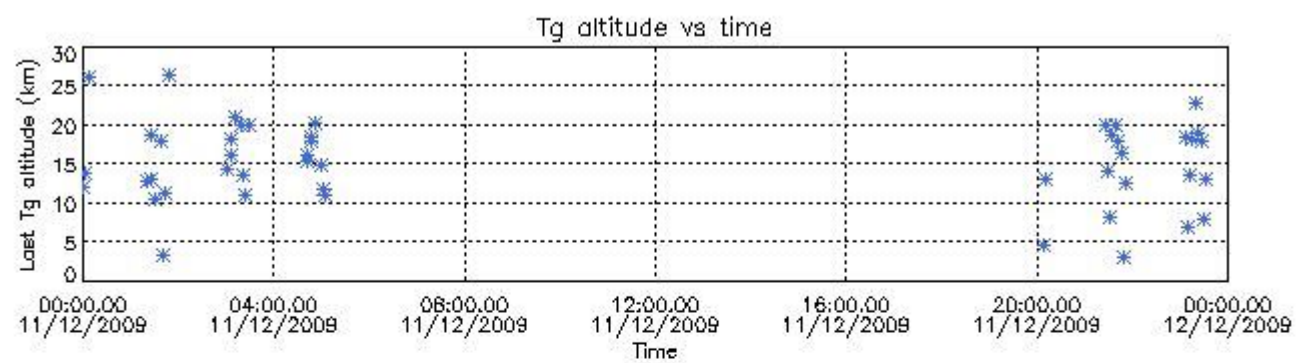
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.166	16.436	13.934
St. deviation:	5.2435	7.3735	0.33782
Maximum:	26.321	28.053	14.415
Minimum:	3.1683	3.4459	13.638
Number of data:	47.000	53.000	4.0000

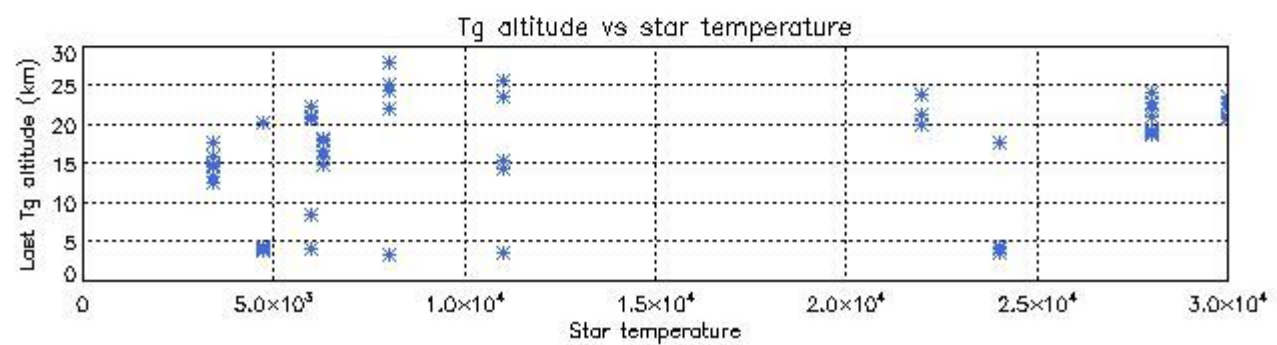
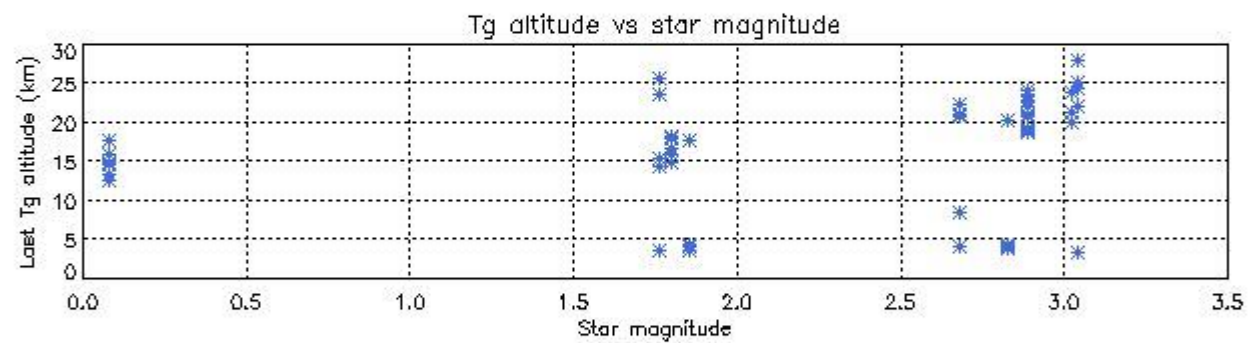
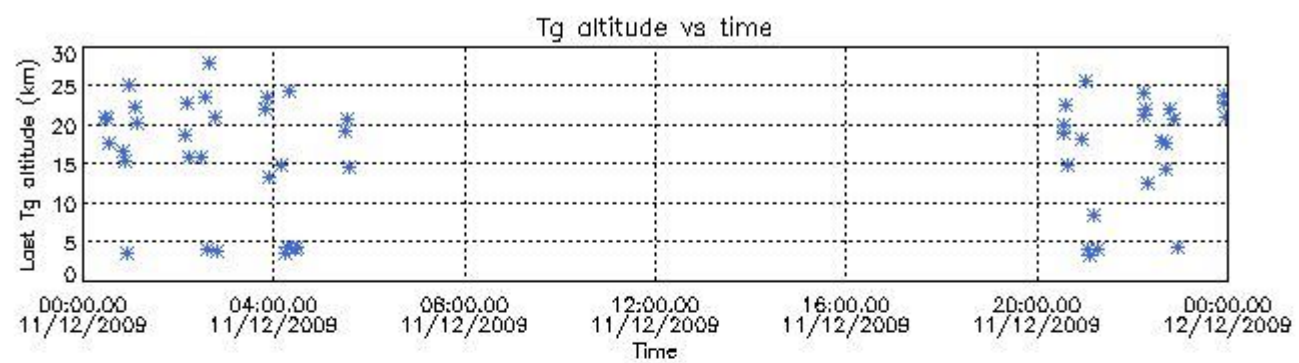
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

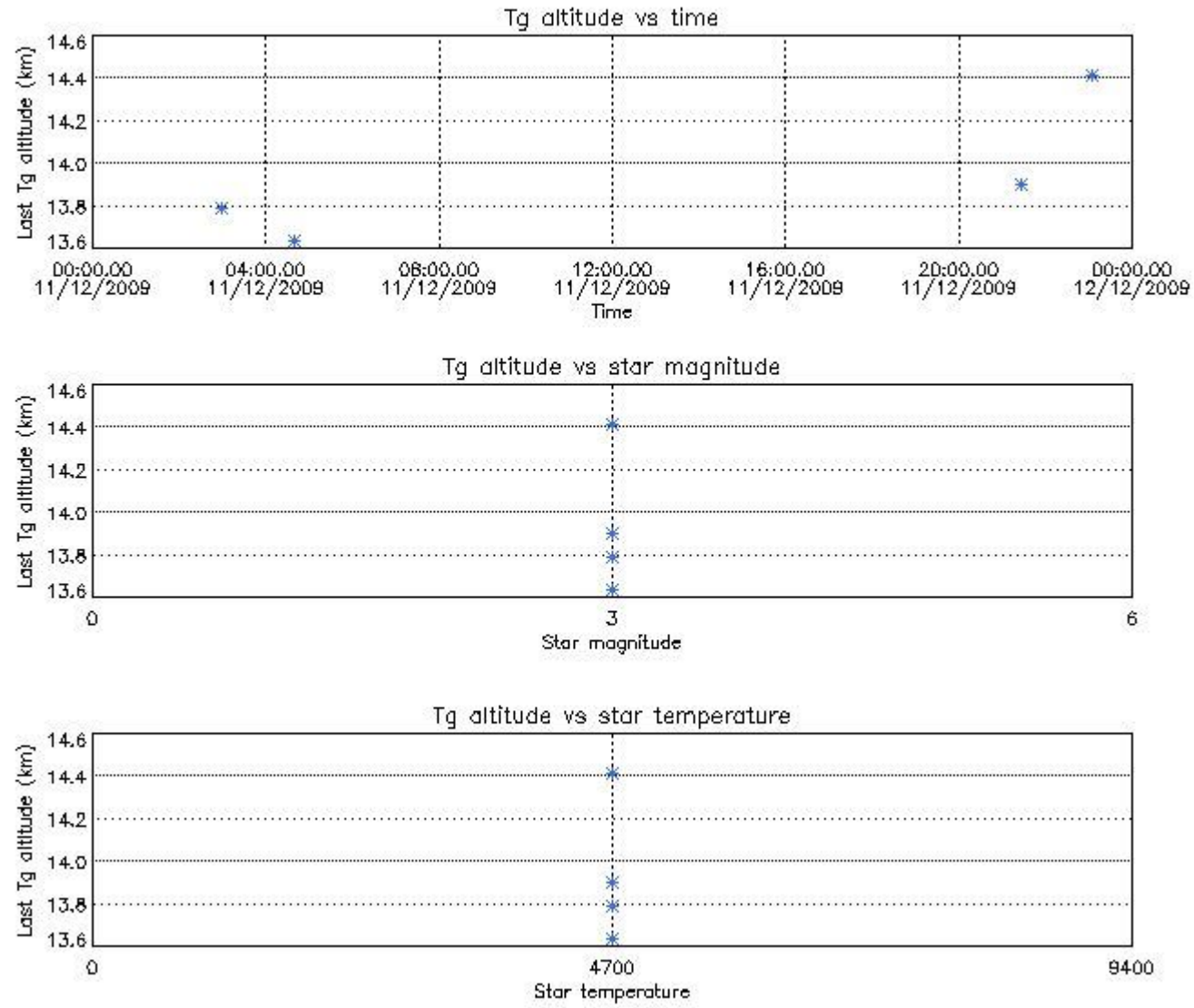
Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products



## Tangent altitude at which the star is lost

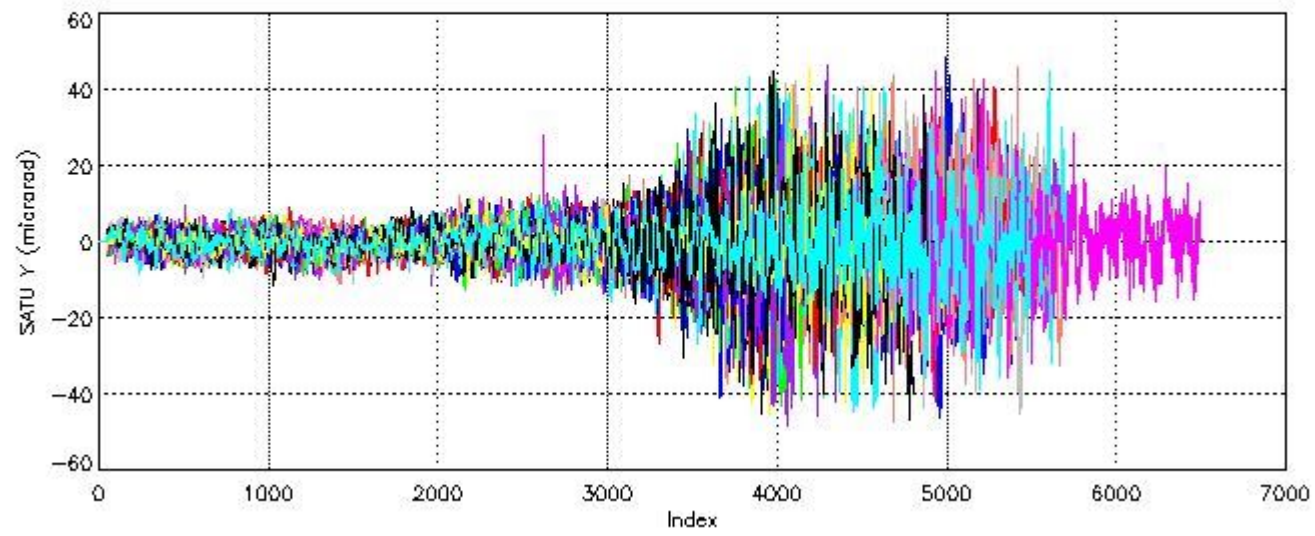
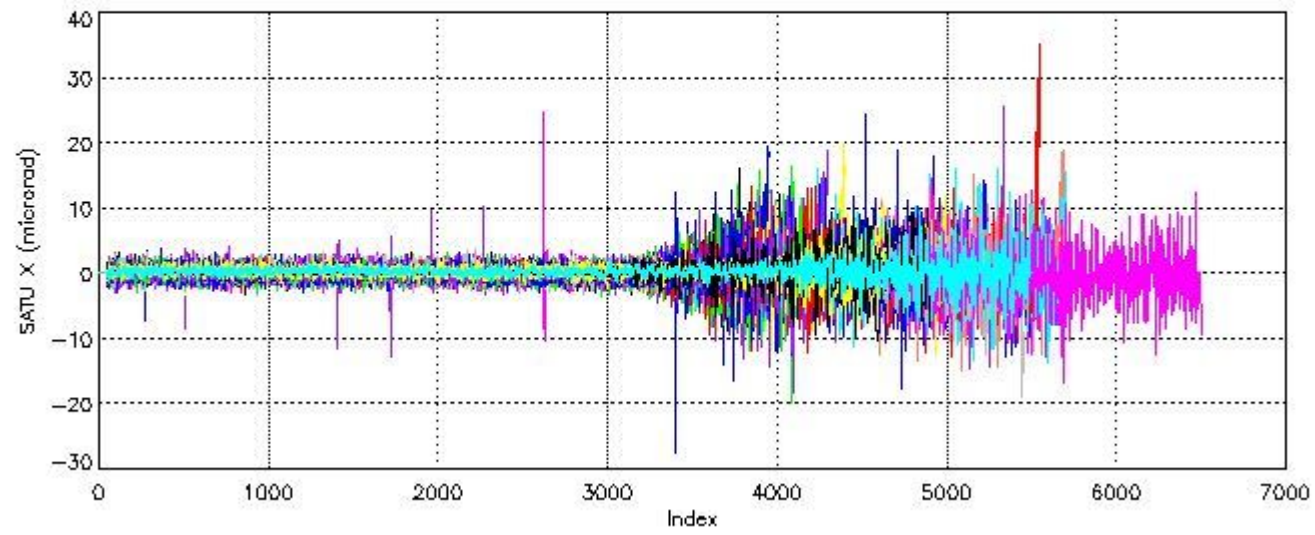


## 7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.20293	-0.061359	0.14748	-0.20461
St. deviation:	0.53795	1.9826	0.94971	2.3739
Maximum:	4.2000	9.4000	6.4000	11.300
Minimum:	-8.5000	-9.7000	-6.2000	-11.400

Number of data:	48550.	48550.	49950.	49950.
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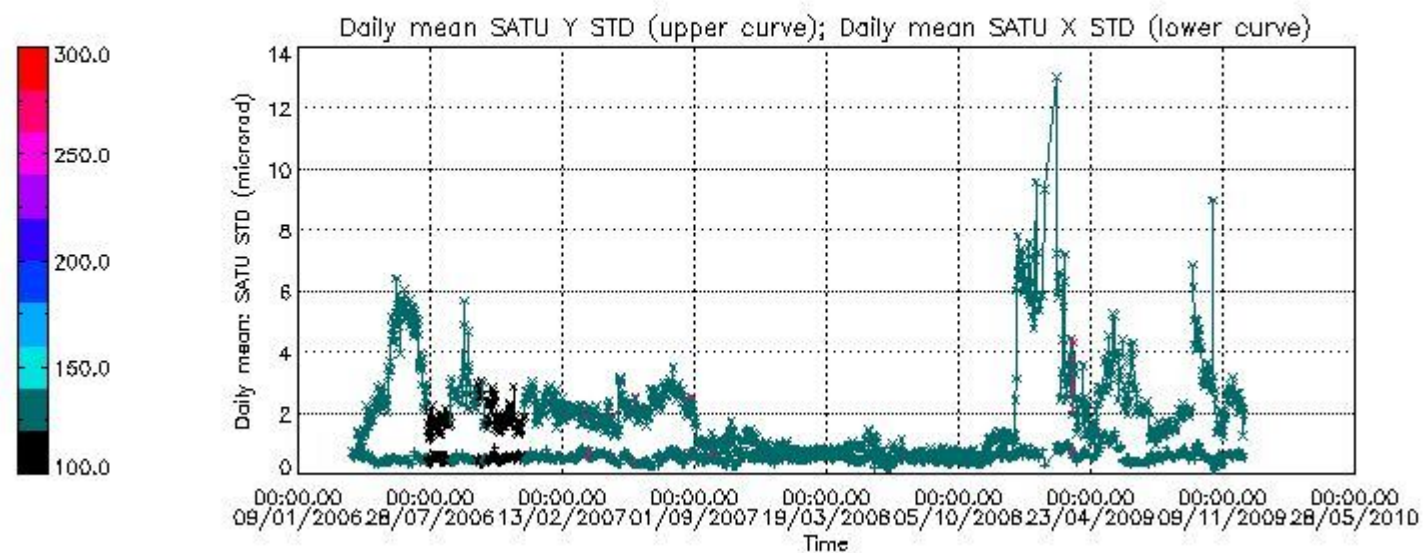
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

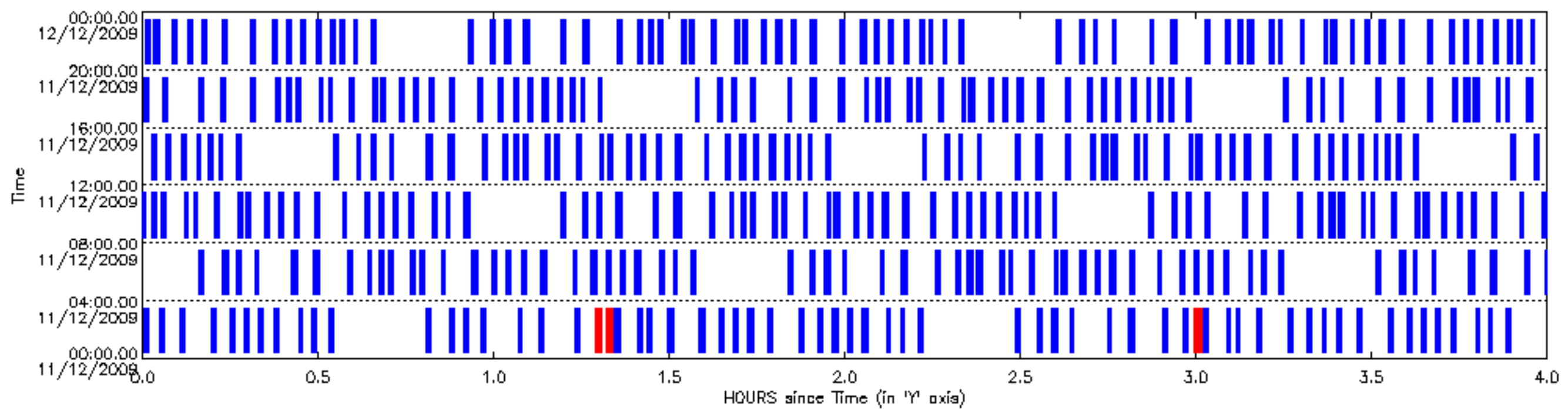


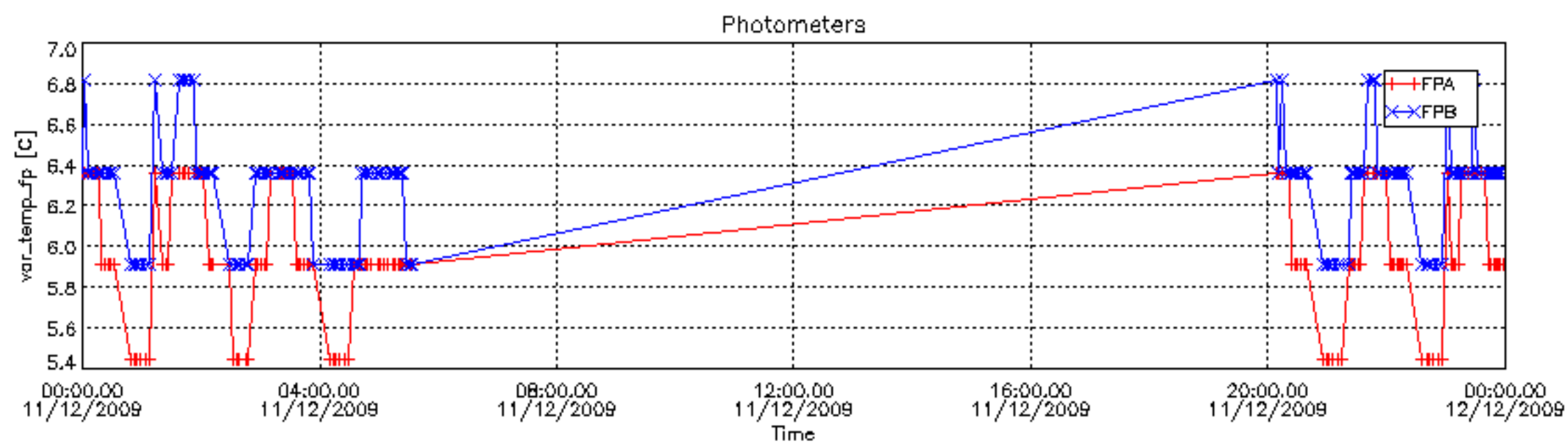
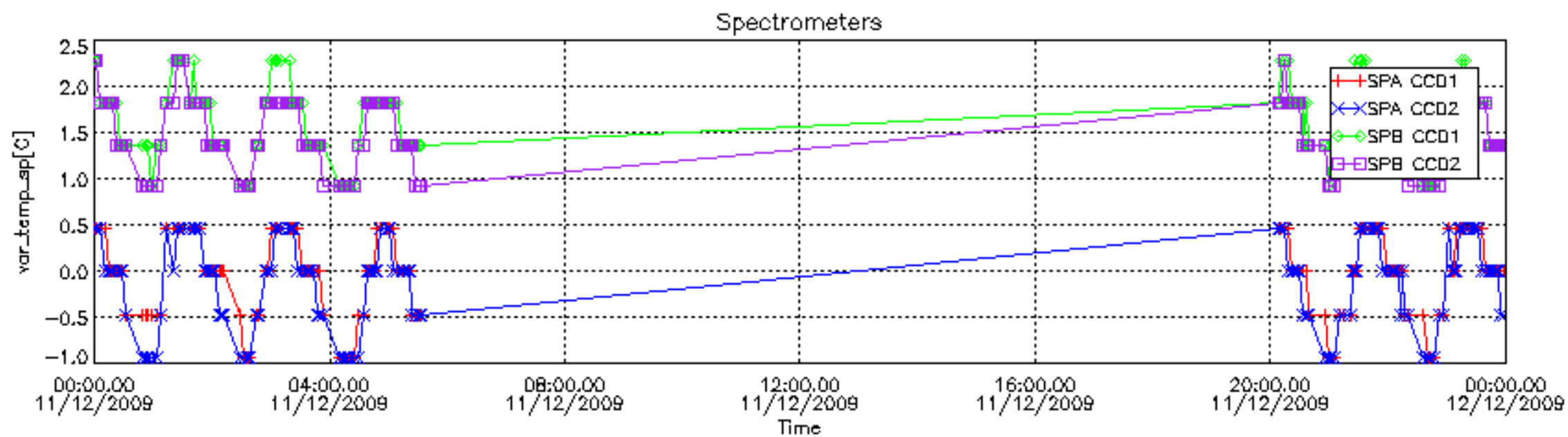
### 8. Auxiliary Data Files used for the production reported in section 2.4

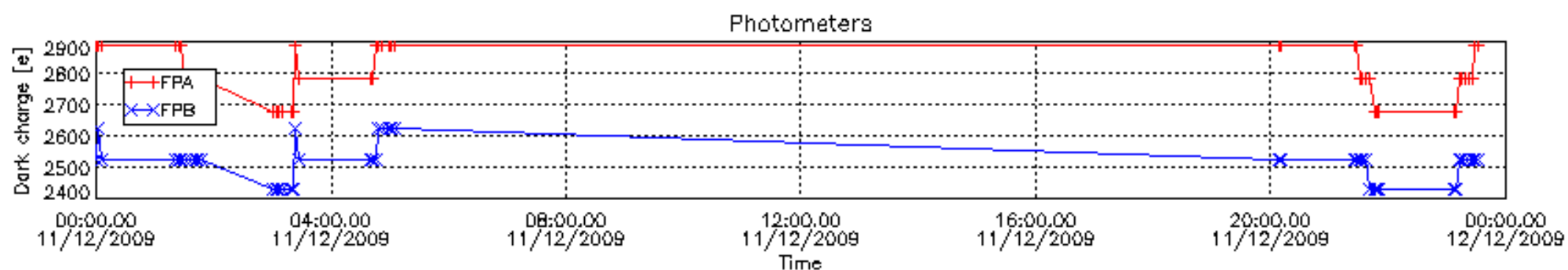
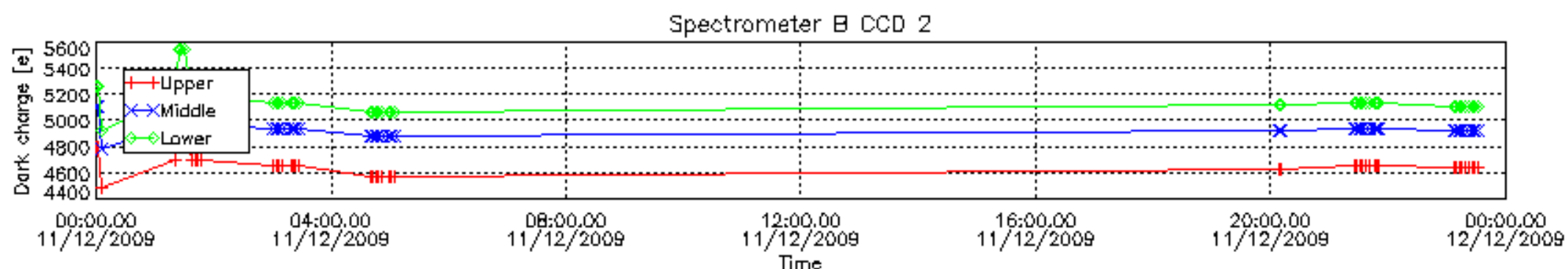
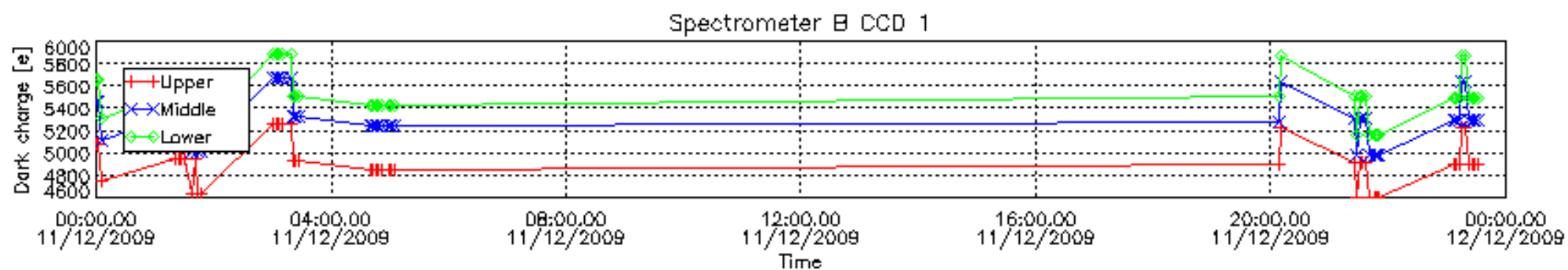
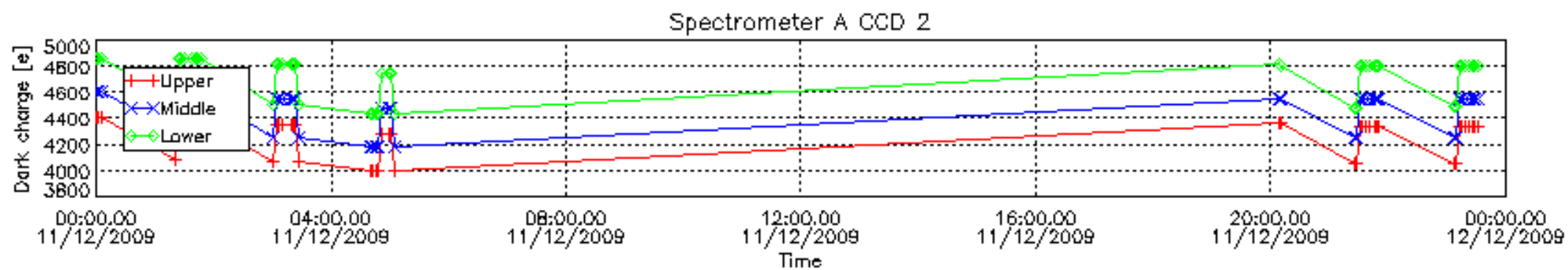
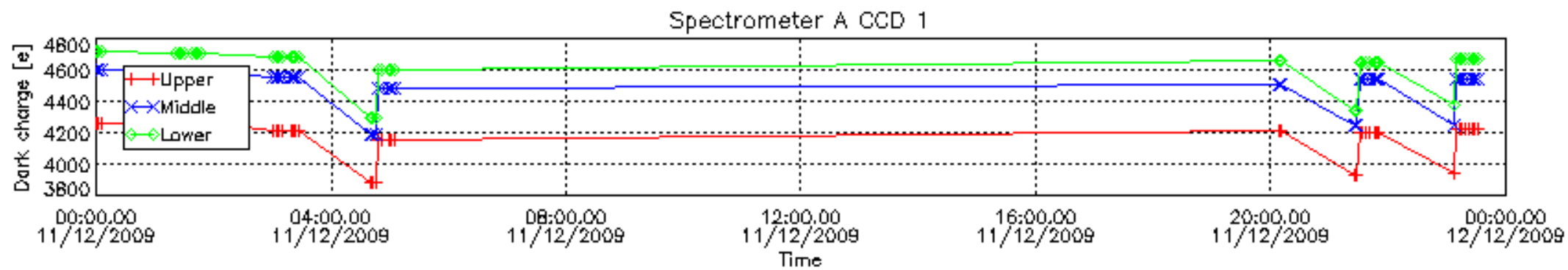
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	11-DEC-2009 00:00:17
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091207_160509_20091205_000000_20500101_000000	1	11-DEC-2009 00:00:17
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	11-DEC-2009 00:00:17
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	11-DEC-2009 00:00:17
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	11-DEC-2009 00:00:17
ECMWF_FILE	AUX_ECF_AXNECM20091210_064111_20091210_210000_20091211_090000	1	11-DEC-2009 00:00:17
ECMWF_FILE	AUX_ECF_AXNECM20091210_182821_20091211_030000_20091211_150000	59	11-DEC-2009 04:09:37
ECMWF_FILE	AUX_ECF_AXNECM20091211_064109_20091211_150000_20091212_030000	84	11-DEC-2009 20:07:34
ECMWF_FILE	AUX_ECF_AXNECM20091211_064109_20091211_210000_20091212_090000	102	11-DEC-2009 21:21:00
OPTIONAL_ECMWF_FILE	MISSING	1	11-DEC-2009 00:00:17
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20091210_130111_20091209_191531_20091219_204146	1	11-DEC-2009 00:00:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091211_200524_000041442085_00057_40692_9337.N1	84	11-DEC-2009 20:07:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091211_211947_000057382085_00057_40692_9338.N1	102	11-DEC-2009 21:21:00
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091211_230044_000057382085_00058_40693_9339.N1	129	11-DEC-2009 23:01:37

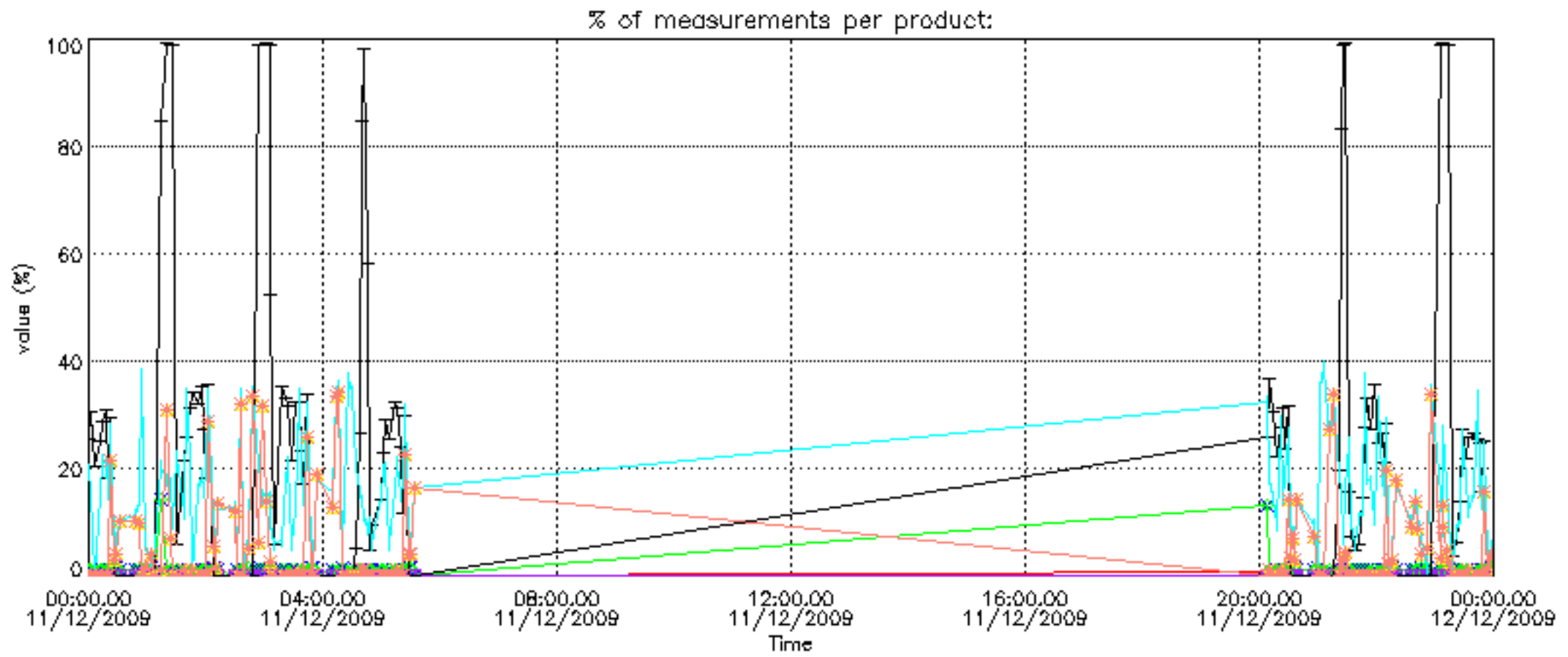




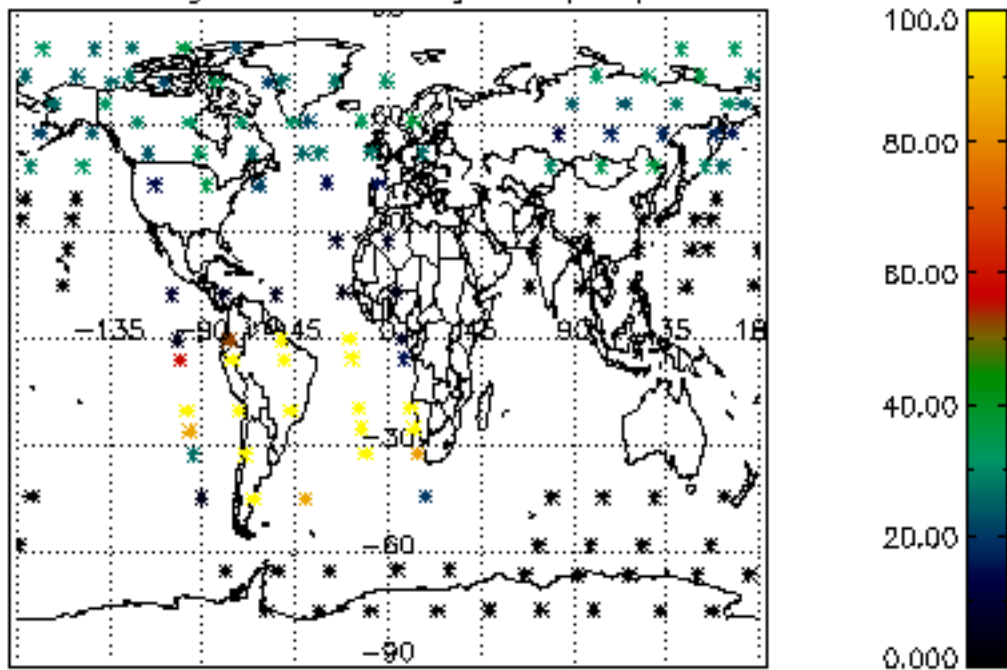




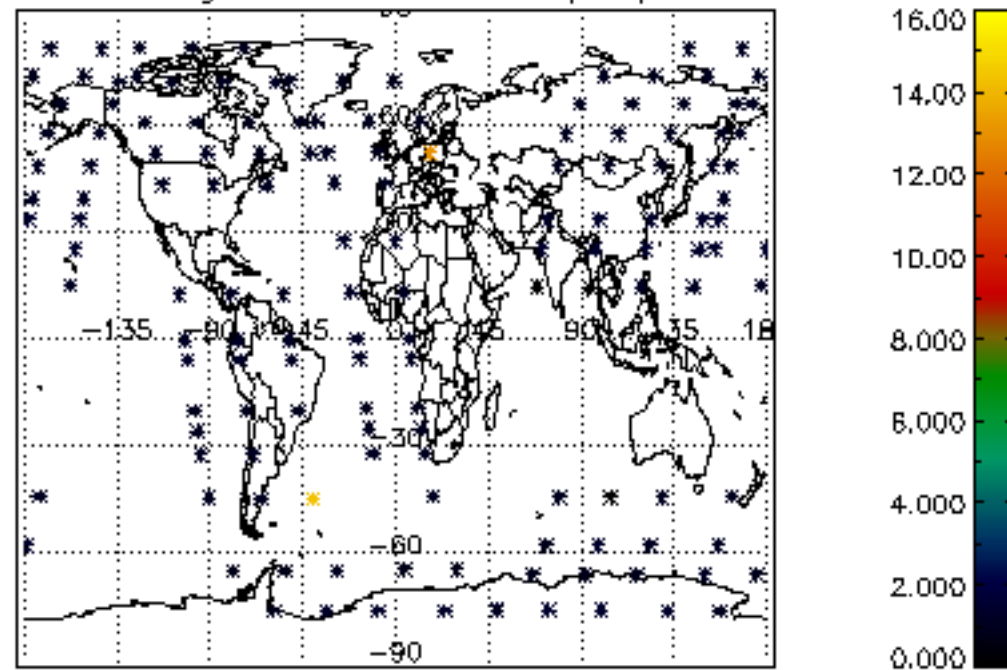




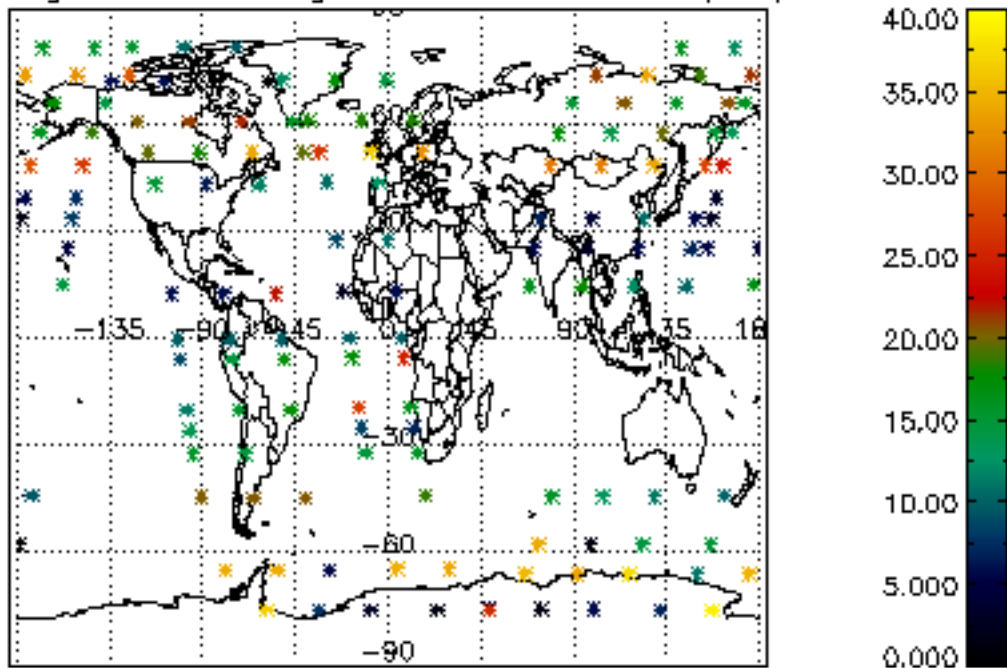
Percentage of cosmic ray hits per profile



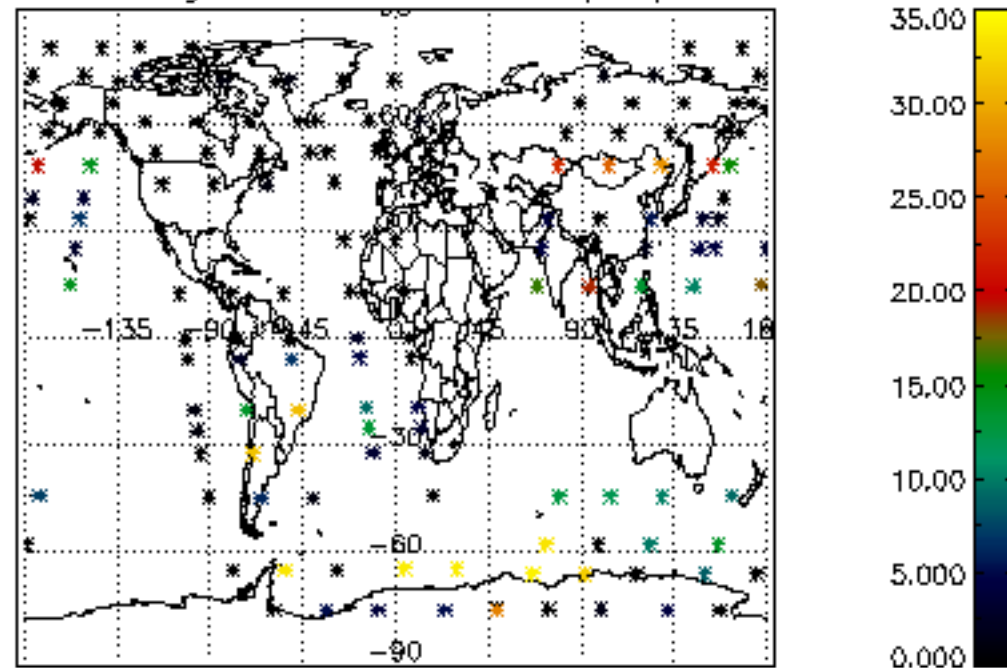
Percentage of datation errors per profile



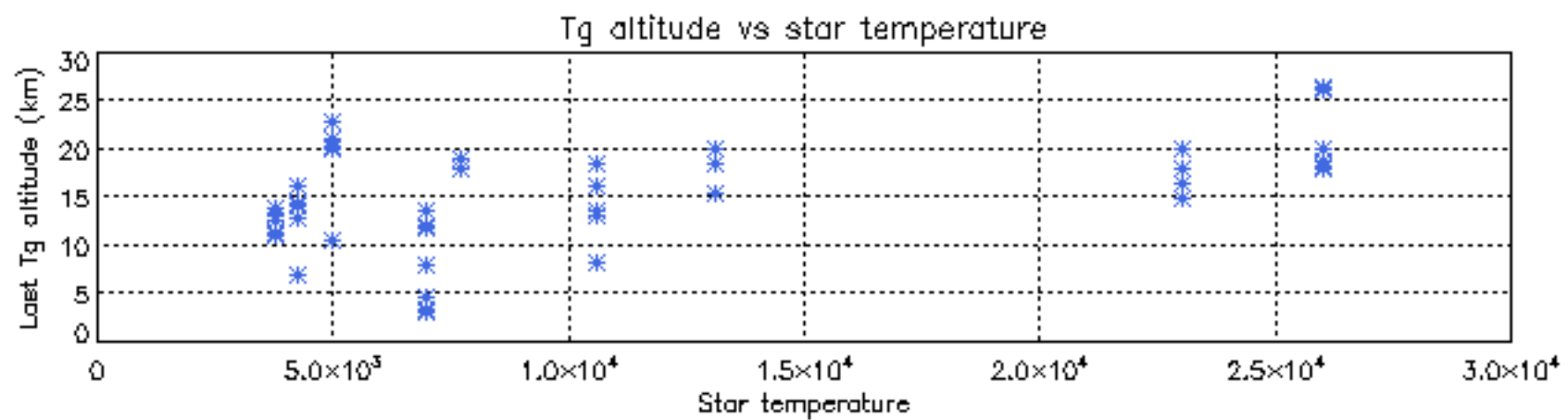
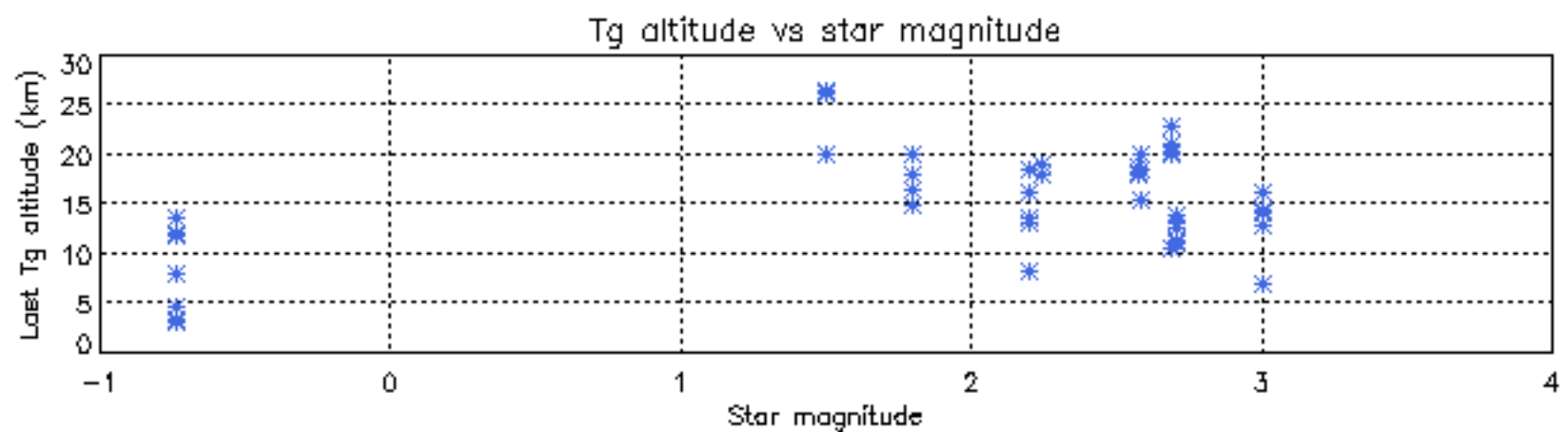
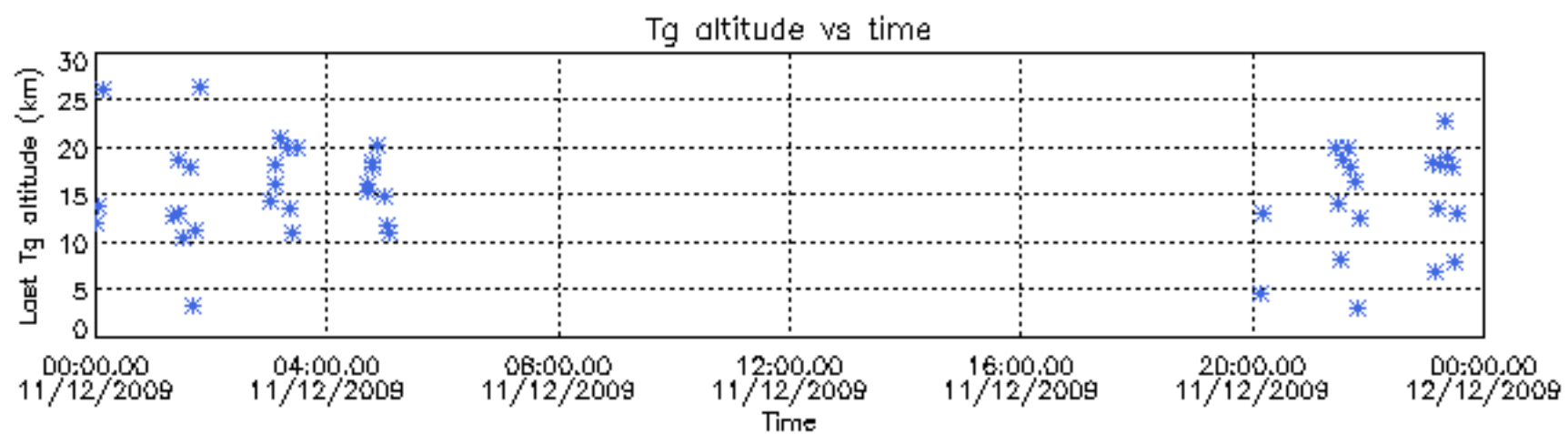
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

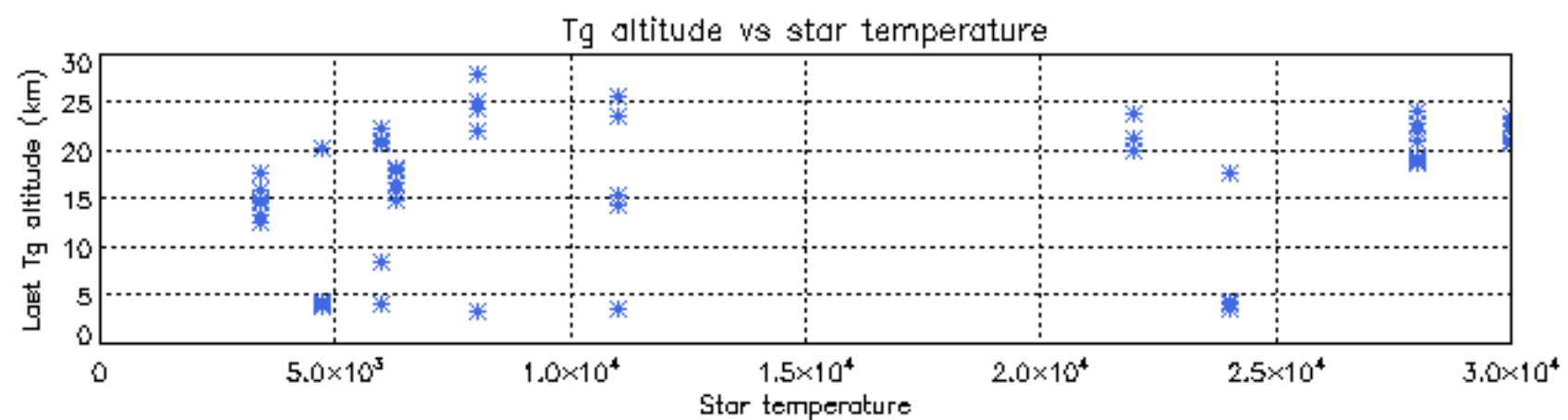
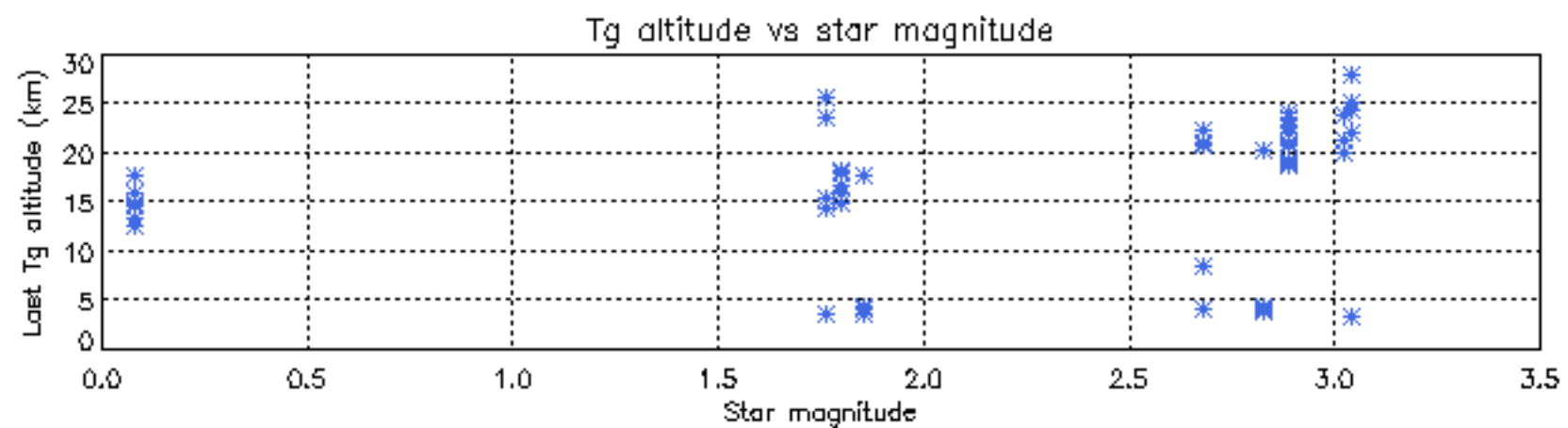
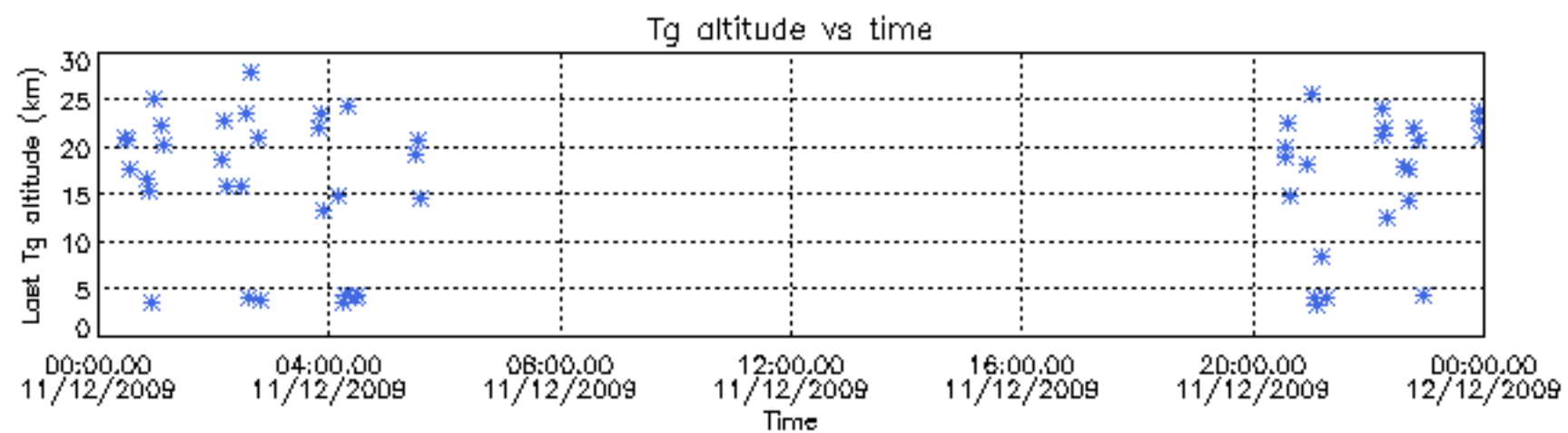


Tangent altitude at which the star is lost

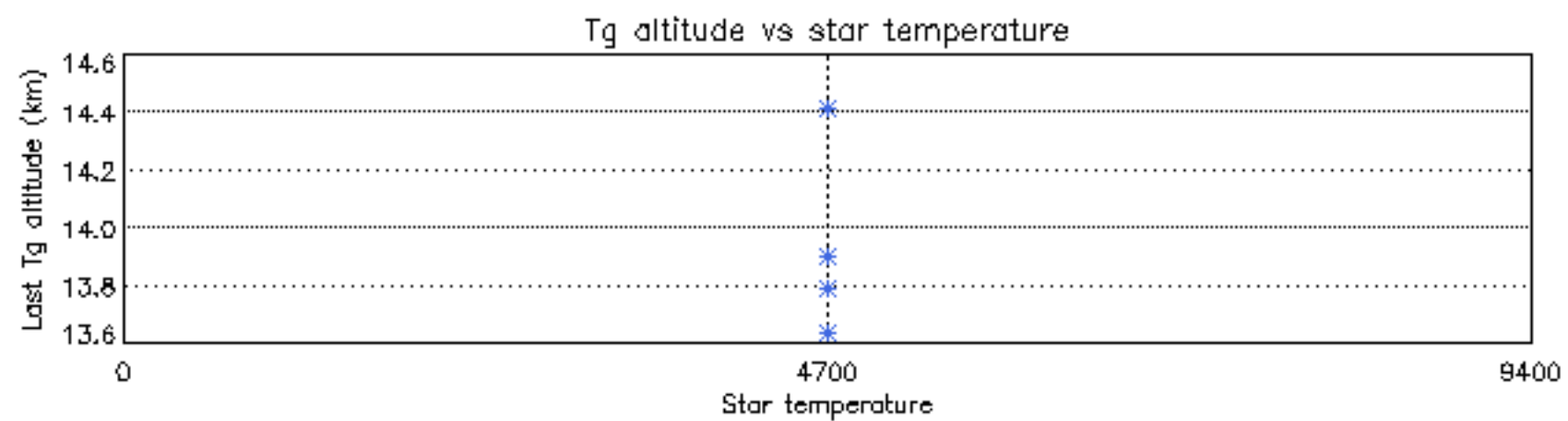
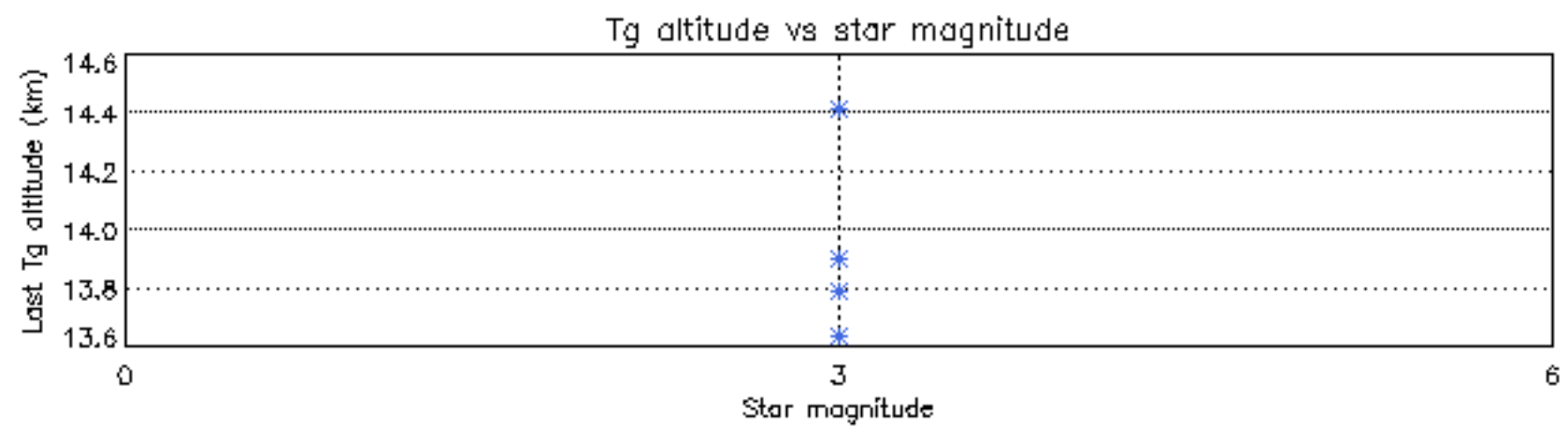
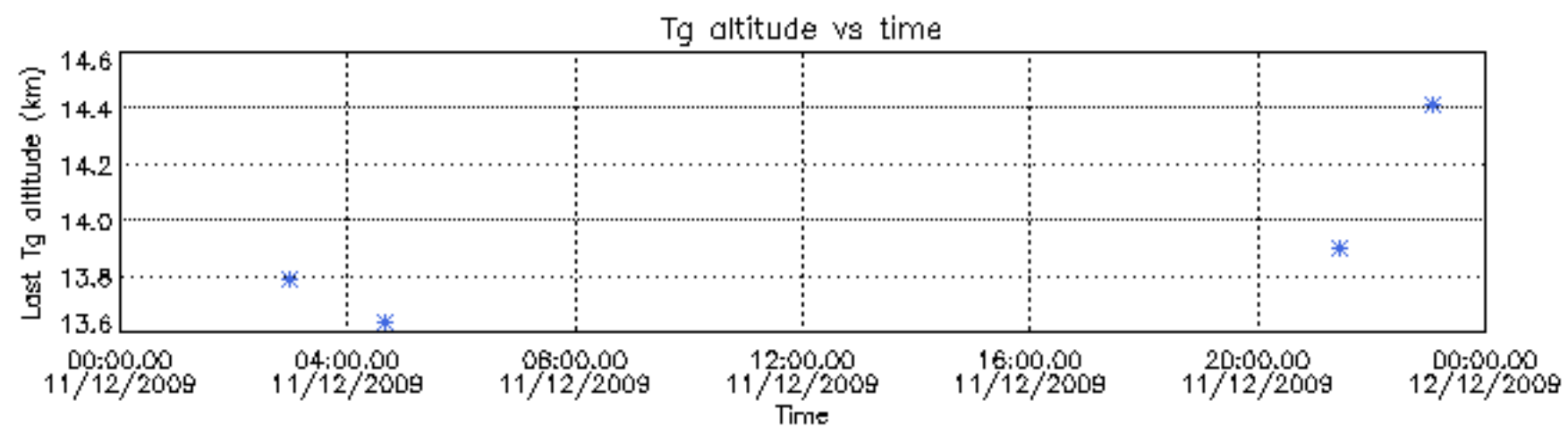


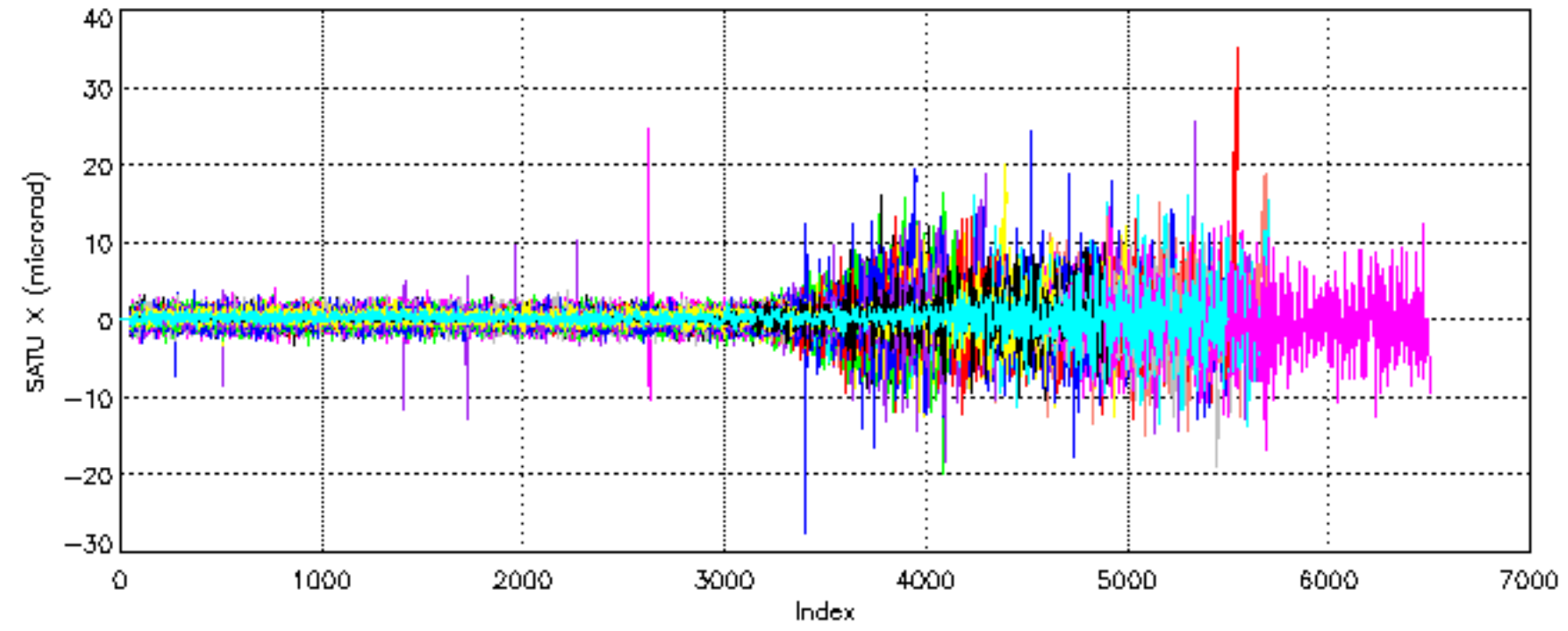


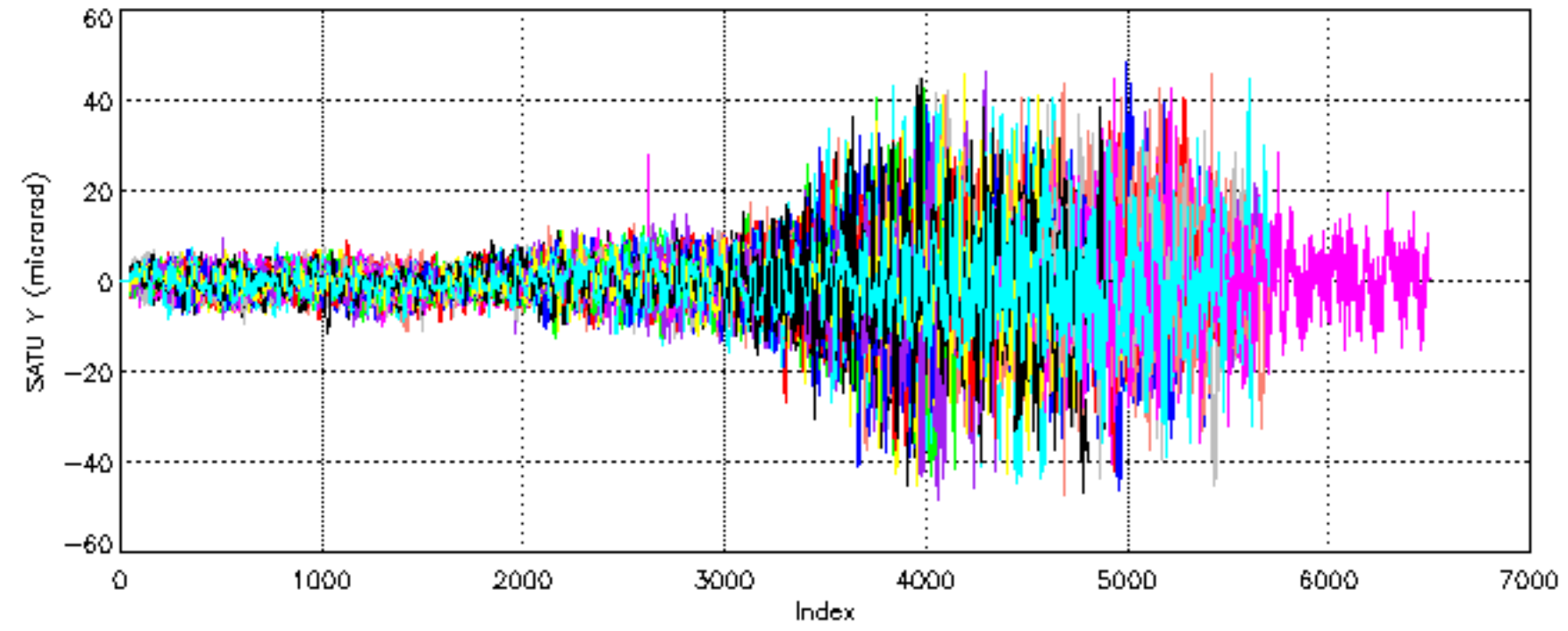
Tangent altitude at which the star is lost



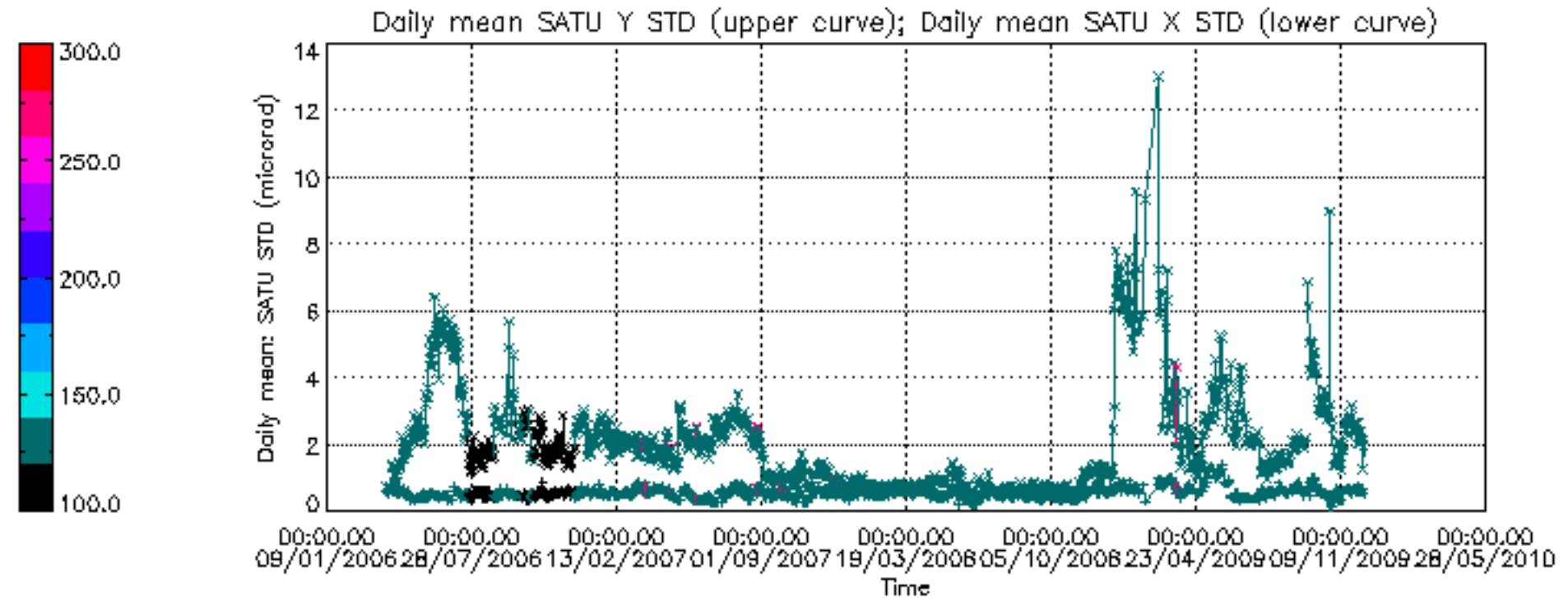
Tangent altitude at which the star is lost











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3; 98.0; 01-DEC-2009 21:49:30; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;40550
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8; 1155.7; 01-DEC-2009 22:07:08; Dark ; 67.5; 23; 21Eps CMa ; 1.50; 26000;occ; 135; 0;40550
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 9; 2832.8; 02-DEC-2009 17:01:40; Bright; 50.0; 6; 13Alp Aur ; 0.08; 3400;occ; 100; 0;40561
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 13; 4352.3; 07-DEC-2009 08:06:30; Bright; 41.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 83; 0;40627  
 14; 4695.8; 07-DEC-2009 08:12:14; Bright; 55.0; 111; 8Eta Boo ; 2.68; 6000;occ; 110; 0;40627  
 15; 4898.3; 07-DEC-2009 08:15:36; Bright; 51.5; 138; 47Eps Vir ; 2.83; 4700;occ; 103; 0;40627  
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 7; 2794.7; 07-DEC-2009 09:21:09; Bright; 47.0; 6; 13Alp Aur ; 0.08; 3400;occ; 94; 0;40628  
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 9; 3786.5; 07-DEC-2009 09:37:40; Bright; 50.5; 36; 50Alp UMA ; 1.80; 6300;occ; 101; 0;40628  
 10; 3879.8; 07-DEC-2009 09:39:14; Bright; 51.5; 82; 48Bet UMA ; 2.37; 10600;occ; 103; 0;40628



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13; 4352.8; 07-DEC-2009 09:47:07; Bright; 60.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 120; 0;40628
14; 4696.0; 07-DEC-2009 09:52:50; Bright; 55.0; 111; 8Eta Boo ; 2.68; 6000;occ; 110; 0;40628
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 23; 7028.5; 07-DEC-2009 15:33:30; Dark ; 63.5; 117; Pi Pup ; 2.71; 3800;occ; 127; 0;40631  
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 15; 5490.0; 11-DEC-2009 07:59:36; Dark ; 45.0; 169; 46Gam Hya ; 2.99; 4700;occ; 90; 0;40684  
 16; 5603.0; 11-DEC-2009 08:01:29; Dark ; 56.5; 100; 4Gam Crv ; 2.58; 13100;occ; 113; 0;40684  
 17; 5699.1; 11-DEC-2009 08:03:05; Dark ; 53.5; 171; 2Eps Crv ; 3.00; 4250;occ; 107; 0;40684  
 18; 5936.8; 11-DEC-2009 08:07:03; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;40684  
 19; 6029.7; 11-DEC-2009 08:08:36; Dark ; 39.5; 99; Del Cen ; 2.58; 26000;occ; 79; 0;40684  
 20; 6246.4; 11-DEC-2009 08:12:12; Dark ; 54.5; 113; Mu Vel ; 2.69; 5000;occ; 109; 0;40684  
 21; 6490.9; 11-DEC-2009 08:16:17; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40684  
 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  
 24; 6913.2; 11-DEC-2009 08:23:19; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;40684  
 25; 7064.0; 11-DEC-2009 08:25:50; Dark ; 55.0; 117; Pi Pup ; 2.71; 3800;occ; 110; 0;40684  
 26; 7269.3; 11-DEC-2009 08:29:15; Dark ; 55.0; 23; 21Eps CMa ; 1.50; 26000;occ; 110; 0;40684  
 27; 7563.5; 11-DEC-2009 08:34:09; Dark ; 29.0; 47; 2Bet CMa ; 1.98; 28000;occ; 58; 0;40684  
 28; 7784.0; 11-DEC-2009 08:37:50; Dark ; 49.0; 7; 19Bet Ori ; 0.10; 14000;occ; 98; 0;40684

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 2; 1894.1; 11-DEC-2009 08:40:16; Dark ; 49.0; 30; 46Eps Ori ; 1.69; 30000;occ; 98; 0;40685  
 3; 2040.4; 11-DEC-2009 08:42:42; Dark ; 51.0; 27; 24Gam Ori ; 1.64; 26000;occ; 102; 0;40685  
 4; 2197.1; 11-DEC-2009 08:45:19; Dark ; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;40685  
 5; 2451.3; 11-DEC-2009 08:49:33; Bright; 37.5; 150; 44Zet Per ; 2.89; 28000;occ; 75; 0;40685  
 6; 2591.4; 11-DEC-2009 08:51:53; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40685  
 7; 2767.4; 11-DEC-2009 08:54:49; Bright; 60.0; 6; 13Alp Aur ; 0.08; 3400;occ; 120; 0;40685  
 8; 3761.9; 11-DEC-2009 09:11:24; Bright; 52.0; 36; 50Alp UMa ; 1.80; 6300;occ; 104; 0;40685  
 9; 3995.8; 11-DEC-2009 09:15:18; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;40685  
 10; 4140.1; 11-DEC-2009 09:17:42; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;40685  
 11; 4331.5; 11-DEC-2009 09:20:53; Bright; 53.0; 180; 27Gam Boo ; 3.04; 8000;occ; 106; 0;40685  
 12; 4710.8; 11-DEC-2009 09:27:13; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40685  
 13; 4928.1; 11-DEC-2009 09:30:50; Bright; 67.0; 138; 47Eps Vir ; 2.83; 4700;occ; 134; 0;40685  
 14; 5282.3; 11-DEC-2009 09:36:44; Dark ; 54.0; 15; 67Alp Vir ; 0.98; 28000;occ; 108; 0;40685  
 15; 5491.0; 11-DEC-2009 09:40:13; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40685  
 16; 5604.0; 11-DEC-2009 09:42:06; Dark ; 55.0; 100; 4Gam Crv ; 2.58; 13100;occ; 110; 0;40685  
 17; 5700.3; 11-DEC-2009 09:43:42; Dark ; 58.5; 171; 2Eps Crv ; 3.00; 4250;occ; 117; 0;40685  
 18; 5937.3; 11-DEC-2009 09:47:39; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;40685  
 19; 6030.3; 11-DEC-2009 09:49:12; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;40685  
 20; 6247.2; 11-DEC-2009 09:52:49; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;40685  
 21; 6491.5; 11-DEC-2009 09:56:53; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40685  
 22; 6564.3; 11-DEC-2009 09:58:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40685  
 23; 6764.1; 11-DEC-2009 10:01:26; Dark ; 52.0; 34; Gam2Vel ; 1.79; 23000;occ; 104; 0;40685  
 24; 6913.6; 11-DEC-2009 10:03:55; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;40685  
 25; 7064.5; 11-DEC-2009 10:06:26; Dark ; 55.0; 117; Pi Pup ; 2.71; 3800;occ; 110; 0;40685  
 26; 7269.8; 11-DEC-2009 10:09:52; Dark ; 55.0; 23; 21Eps CMa ; 1.50; 26000;occ; 110; 0;40685  
 27; 7563.8; 11-DEC-2009 10:14:46; Dark ; 34.5; 47; 2Bet CMa ; 1.98; 28000;occ; 69; 0;40685

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1; 1553.9; 11-DEC-2009 10:15:12; Dark ; 35.0; 47; 2Bet CMa ; 1.98; 28000;occ; 70; 52;40686



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3; 1893.9; 11-DEC-2009 10:20:52; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40686  
4; 2040.2; 11-DEC-2009 10:23:18; Dark ; 51.0; 27; 24Gam Ori ; 1.64; 26000;occ; 102; 0;40686  
5; 2196.9; 11-DEC-2009 10:25:55; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;40686  
6; 2355.8; 11-DEC-2009 10:28:33; Bright; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;40686  
7; 2477.3; 11-DEC-2009 10:30:35; Bright; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;40686  
8; 2591.4; 11-DEC-2009 10:32:29; Bright; 53.0; 149; 45Eps Per ; 2.89; 30000;occ; 106; 0;40686  
9; 2766.9; 11-DEC-2009 10:35:25; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;40686  
10; 3761.5; 11-DEC-2009 10:51:59; Bright; 43.5; 36; 50Alp UMa ; 1.80; 6300;occ; 87; 0;40686  
11; 3995.5; 11-DEC-2009 10:55:53; Bright; 41.5; 32; 77Eps UMa ; 1.76; 11000;occ; 83; 0;40686  
12; 4140.3; 11-DEC-2009 10:58:18; Bright; 56.0; 39; 85Eta UMa ; 1.85; 24000;occ; 112; 0;40686  
13; 4331.5; 11-DEC-2009 11:01:29; Bright; 46.5; 180; 27Gam Boo ; 3.04; 8000;occ; 93; 0;40686  
14; 4711.2; 11-DEC-2009 11:07:49; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40686  
15; 4928.6; 11-DEC-2009 11:11:26; Bright; 50.5; 138; 47Eps Vir ; 2.83; 4700;occ; 101; 0;40686  
16; 5283.0; 11-DEC-2009 11:17:21; Dark ; 50.5; 15; 67Alp Vir ; 0.98; 28000;occ; 101; 0;40686  
17; 5491.5; 11-DEC-2009 11:20:49; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40686  
18; 5605.0; 11-DEC-2009 11:22:43; Dark ; 56.0; 100; 4Gam Crv ; 2.58; 13100;occ; 112; 0;40686  
19; 5701.3; 11-DEC-2009 11:24:19; Dark ; 55.5; 171; 2Eps Crv ; 3.00; 4250;occ; 111; 0;40686  
20; 5937.8; 11-DEC-2009 11:28:15; Dark ; 38.5; 64; Gam Cen ; 2.20; 10600;occ; 77; 0;40686  
21; 6030.9; 11-DEC-2009 11:29:49; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40686  
22; 6248.0; 11-DEC-2009 11:33:26; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;40686  
23; 6492.1; 11-DEC-2009 11:37:30; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40686  
24; 6565.1; 11-DEC-2009 11:38:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40686  
25; 6764.9; 11-DEC-2009 11:42:03; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;40686  
26; 6913.8; 11-DEC-2009 11:44:32; Dark ; 49.5; 2; Alp Car ; -0.74; 7000;occ; 99; 0;40686  
27; 7065.4; 11-DEC-2009 11:47:03; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;40686  
28; 7270.1; 11-DEC-2009 11:50:28; Dark ; 56.0; 23; 21Eps CMA ; 1.50; 26000;occ; 112; 0;40686  
29; 7563.9; 11-DEC-2009 11:55:22; Dark ; 34.5; 47; 2Bet CMA ; 1.98; 28000;occ; 69; 0;40686

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3; 1893.6; 11-DEC-2009 12:01:27; Dark ; 50.5; 30; 46Eps Ori ; 1.69; 30000;occ; 101; 0;40687  
4; 2040.0; 11-DEC-2009 12:03:54; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;40687  
5; 2196.8; 11-DEC-2009 12:06:30; Dark ; 47.5; 13; 87Alp Tau ; 0.87; 3800;occ; 95; 0;40687  
6; 2355.6; 11-DEC-2009 12:09:09; Bright; 46.5; 176; 23Zet Tau ; 3.02; 22000;occ; 93; 0;40687  
7; 2476.9; 11-DEC-2009 12:11:10; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;40687  
8; 2591.1; 11-DEC-2009 12:13:05; Bright; 36.5; 149; 45Eps Per ; 2.89; 30000;occ; 73; 0;40687  
9; 2766.6; 11-DEC-2009 12:16:00; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;40687  
10; 3760.8; 11-DEC-2009 12:32:34; Bright; 43.0; 36; 50Alp UMa ; 1.80; 6300;occ; 86; 0;40687  
11; 3995.2; 11-DEC-2009 12:36:29; Bright; 38.5; 32; 77Eps UMa ; 1.76; 11000;occ; 77; 0;40687  
12; 4140.1; 11-DEC-2009 12:38:54; Bright; 47.5; 39; 85Eta UMa ; 1.85; 24000;occ; 95; 0;40687  
13; 4331.7; 11-DEC-2009 12:42:05; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;40687  
14; 4711.5; 11-DEC-2009 12:48:25; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40687  
15; 4929.1; 11-DEC-2009 12:52:03; Bright; 68.0; 138; 47Eps Vir ; 2.83; 4700;occ; 136; 0;40687  
16; 5283.6; 11-DEC-2009 12:57:57; Dark ; 49.5; 15; 67Alp Vir ; 0.98; 28000;occ; 99; 0;40687  
17; 5492.2; 11-DEC-2009 13:01:26; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40687  
18; 5606.4; 11-DEC-2009 13:03:20; Dark ; 52.5; 100; 4Gam Crv ; 2.58; 13100;occ; 105; 0;40687  
19; 5702.6; 11-DEC-2009 13:04:56; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;40687  
20; 5938.2; 11-DEC-2009 13:08:52; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;40687  
21; 6031.6; 11-DEC-2009 13:10:25; Dark ; 39.5; 99; Del Cen ; 2.58; 26000;occ; 79; 0;40687  
22; 6249.0; 11-DEC-2009 13:14:03; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;40687  
23; 6492.6; 11-DEC-2009 13:18:06; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40687  
24; 6565.9; 11-DEC-2009 13:19:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40687  
25; 6765.8; 11-DEC-2009 13:22:39; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;40687  
26; 6914.5; 11-DEC-2009 13:25:08; Dark ; 50.0; 2; Alp Car ; -0.74; 7000;occ; 100; 0;40687  
27; 7066.0; 11-DEC-2009 13:27:40; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;40687  
28; 7270.8; 11-DEC-2009 13:31:04; Dark ; 53.0; 23; 21Eps CMA ; 1.50; 26000;occ; 106; 0;40687  
29; 7564.3; 11-DEC-2009 13:35:58; Dark ; 40.5; 47; 2Bet CMA ; 1.98; 28000;occ; 81; 0;40687

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3; 1893.6; 11-DEC-2009 13:42:03; Dark ; 54.0; 30; 46Eps Ori ; 1.69; 30000;occ; 108; 0;40688  
4; 2039.8; 11-DEC-2009 13:44:29; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;40688  
5; 2196.7; 11-DEC-2009 13:47:06; Dark ; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;40688  
6; 2355.0; 11-DEC-2009 13:49:44; Bright; 47.5; 176; 23Zet Tau ; 3.02; 22000;occ; 95; 0;40688  
7; 2476.3; 11-DEC-2009 13:51:46; Bright; 45.0; 28; 12Bet Tau ; 1.65; 15200;occ; 90; 0;40688  
8; 2591.1; 11-DEC-2009 13:53:41; Bright; 35.5; 149; 45Eps Per ; 2.89; 30000;occ; 71; 0;40688  
9; 2766.3; 11-DEC-2009 13:56:36; Bright; 60.0; 6; 13Alp Aur ; 0.08; 3400;occ; 120; 0;40688

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11; 3995.1; 11-DEC-2009 14:17:05; Bright; 45.0; 32; 77Eps UMa ; 1.76; 11000;occ; 90; 0;40688
12; 4140.3; 11-DEC-2009 14:19:30; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;40688
13; 4332.0; 11-DEC-2009 14:22:41; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;40688
14; 4711.8; 11-DEC-2009 14:29:01; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40688
15; 4929.8; 11-DEC-2009 14:32:39; Bright; 68.0; 138; 47Eps Vir ; 2.83; 4700;occ; 136; 0;40688
16; 5230.2; 11-DEC-2009 14:37:40; Dark ; 56.0; 121; 29Gam Vir ; 2.74; 7200;occ; 112; 0;40688
17; 5492.8; 11-DEC-2009 14:42:02; Dark ; 45.0; 169; 46Gam Hya ; 2.99; 4700;occ; 90; 0;40688
18; 5607.5; 11-DEC-2009 14:43:57; Dark ; 50.5; 100; 4Gam Crv ; 2.58; 13100;occ; 101; 0;40688
19; 5703.8; 11-DEC-2009 14:45:33; Dark ; 58.5; 171; 2Eps Crv ; 3.00; 4250;occ; 117; 0;40688
20; 5939.1; 11-DEC-2009 14:49:29; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40688
21; 6032.3; 11-DEC-2009 14:51:02; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;40688
22; 6249.9; 11-DEC-2009 14:54:39; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;40688
23; 6493.4; 11-DEC-2009 14:58:43; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40688
24; 6566.7; 11-DEC-2009 14:59:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40688
25; 6766.5; 11-DEC-2009 15:03:16; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;40688
26; 6915.0; 11-DEC-2009 15:05:44; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;40688
27; 7066.6; 11-DEC-2009 15:08:16; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;40688
28; 7271.4; 11-DEC-2009 15:11:41; Dark ; 57.5; 23; 21Eps CMa ; 1.50; 26000;occ; 115; 0;40688
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 6; 2354.6; 11-DEC-2009 15:30:20; Bright; 46.5; 176; 23Zet Tau ; 3.02; 22000;occ; 93; 0;40689
 7; 2475.9; 11-DEC-2009 15:32:21; Bright; 44.5; 28; 12Bet Tau ; 1.65; 15200;occ; 89; 0;40689
 8; 2591.1; 11-DEC-2009 15:34:16; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;40689
 9; 2765.9; 11-DEC-2009 15:37:11; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;40689
10; 3760.3; 11-DEC-2009 15:53:46; Bright; 47.0; 36; 50Alp UMa ; 1.80; 6300;occ; 94; 0;40689
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12; 4140.4; 11-DEC-2009 16:00:06; Bright; 56.0; 39; 85Eta UMa ; 1.85; 24000;occ; 112; 0;40689
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15; 4930.8; 11-DEC-2009 16:13:16; Bright; 47.0; 138; 47Eps Vir ; 2.83; 4700;occ; 94; 0;40689
16; 5231.2; 11-DEC-2009 16:18:17; Dark ; 56.0; 121; 29Gam Vir ; 2.74; 7200;occ; 112; 0;40689
17; 5493.6; 11-DEC-2009 16:22:39; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40689
18; 5608.8; 11-DEC-2009 16:24:34; Dark ; 54.0; 100; 4Gam Crv ; 2.58; 13100;occ; 108; 0;40689
19; 5705.1; 11-DEC-2009 16:26:10; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;40689
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22; 6250.9; 11-DEC-2009 16:35:16; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40689
23; 6494.1; 11-DEC-2009 16:39:19; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;40689
24; 6567.6; 11-DEC-2009 16:40:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40689
25; 6767.4; 11-DEC-2009 16:43:53; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40689
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27; 7067.3; 11-DEC-2009 16:48:53; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;40689
28; 7271.9; 11-DEC-2009 16:52:17; Dark ; 55.5; 23; 21Eps CMa ; 1.50; 26000;occ; 111; 0;40689
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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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17; 5232.4; 11-DEC-2009 17:58:54; Dark ; 56.0; 121; 29Gam Vir ; 2.74; 7200;occ; 112; 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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 27; 6915.9; 11-DEC-2009 18:26:57; Dark ; 53.0; 2; Alp Car ; -0.74; 7000;occ; 106; 0;40690  
 28; 7067.9; 11-DEC-2009 18:29:29; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;40690

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 13; 3994.7; 11-DEC-2009 19:18:52; Bright; 46.0; 32; 77Eps UMa ; 1.76; 11000;occ; 92; 0;40691  
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 18; 5233.2; 11-DEC-2009 19:39:31; Dark ; 55.5; 121; 29Gam Vir ; 2.74; 7200;occ; 111; 0;40691  
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 28; 6916.2; 11-DEC-2009 20:07:34; Dark ; 53.5; 2; Alp Car ; -0.74; 7000;occ; 107; 0;40691

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 13; 1529.2; 12-DEC-2009 01:20:10; Dark ; 54.0; 47; 2Bet CMa ; 1.98; 28000;occ; 108; 0;40695  
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 15; 1892.4; 12-DEC-2009 01:26:13; Dark ; 52.0; 30; 46Eps Ori ; 1.69; 30000;occ; 104; 0;40695  
 16; 2038.0; 12-DEC-2009 01:28:39; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;40695  
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 19; 2451.0; 12-DEC-2009 01:35:32; Bright; 36.5; 150; 44Zet Per ; 2.89; 28000;occ; 73; 0;40695  
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 21; 2763.2; 12-DEC-2009 01:40:44; Bright; 44.0; 6; 13Alp Aur ; 0.08; 3400;occ; 88; 0;40695  
 22; 3757.3; 12-DEC-2009 01:57:18; Bright; 49.0; 36; 50Alp UMa ; 1.80; 6300;occ; 98; 0;40695  
 23; 3993.8; 12-DEC-2009 02:01:15; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;40695  
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 25; 4332.8; 12-DEC-2009 02:06:54; Bright; 34.0; 180; 27Gam Boo ; 3.04; 8000;occ; 68; 0;40695  
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5; 1.0; 12-DEC-2009 02:35:18; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;40696  
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7; 461.8; 12-DEC-2009 02:42:59; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;40696  
8; 536.3; 12-DEC-2009 02:44:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40696  
9; 735.8; 12-DEC-2009 02:47:33; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;40696  
10; 881.8; 12-DEC-2009 02:49:59; Dark ; 45.0; 2; Alp Car ; -0.74; 7000;occ; 90; 0;40696  
11; 1034.9; 12-DEC-2009 02:52:32; Dark ; 53.5; 117; Pi Pup ; 2.71; 3800;occ; 107; 0;40696  
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13; 1529.5; 12-DEC-2009 03:00:46; Dark ; 53.5; 47; 2Bet CMA ; 1.98; 28000;occ; 107; 0;40696  
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17; 882.1; 12-DEC-2009 04:30:35; Dark ; 45.0; 2; Alp Car ; -0.74; 7000;occ; 90; 0;40697  
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23; 2037.7; 12-DEC-2009 04:49:51; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;40697  
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21; 1748.1; 12-DEC-2009 06:25:37; Dark ; 50.5; 7; 19Bet Ori ; 0.10; 14000;occ; 101; 0;40698
22; 1891.8; 12-DEC-2009 06:28:01; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;40698
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 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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1; 1242.4; 12-DEC-2009 16:20:47; Dark ; 57.0; 23; 21Eps CMA ; 1.50; 26000;occ; 114; 0;40704  
 2; 1530.5; 12-DEC-2009 16:25:35; Dark ; 56.0; 47; 2Bet CMA ; 1.98; 28000;occ; 112; 0;40704  
 3; 1748.3; 12-DEC-2009 16:29:13; Dark ; 49.5; 7; 19Bet Ori ; 0.10; 14000;occ; 99; 0;40704  
 4; 1891.3; 12-DEC-2009 16:31:36; Dark ; 51.5; 30; 46Eps Ori ; 1.69; 30000;occ; 103; 0;40704  
 5; 2036.1; 12-DEC-2009 16:34:01; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;40704  
 6; 2194.9; 12-DEC-2009 16:36:39; Dark ; 55.0; 13; 87Alp Tau ; 0.87; 3800;occ; 110; 0;40704  
 7; 2346.7; 12-DEC-2009 16:39:11; Bright; 46.5; 176; 23Zet Tau ; 3.02; 22000;occ; 93; 0;40704  
 8; 2468.7; 12-DEC-2009 16:41:13; Bright; 44.0; 28; 12Bet Tau ; 1.65; 15200;occ; 88; 0;40704  
 9; 2590.0; 12-DEC-2009 16:43:15; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40704  
 10; 2696.9; 12-DEC-2009 16:45:01; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;40704  
 11; 2824.1; 12-DEC-2009 16:47:09; Bright; 45.0; 42; 34Bet Aur ; 1.90; 10200;occ; 90; 0;40704  
 12; 3753.1; 12-DEC-2009 17:02:38; Bright; 64.0; 36; 50Alp UMa ; 1.80; 6300;occ; 128; 0;40704  
 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

20; 5626.7; 12-DEC-2009 17:33:51; Dark ; 53.0; 100; 4Gam Crv ; 2.58; 13100;occ; 106; 0;40704  
 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  
 24; 6263.9; 12-DEC-2009 17:44:28; Dark ; 42.0; 113; Mu Vel ; 2.69; 5000;occ; 84; 0;40704  
 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  
 27; 6778.7; 12-DEC-2009 17:53:03; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;40704  
 28; 6921.5; 12-DEC-2009 17:55:26; Dark ; 55.5; 2; Alp Car ; -0.74; 7000;occ; 111; 0;40704  
 29; 7076.7; 12-DEC-2009 17:58:01; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;40704

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 2; 1530.6; 12-DEC-2009 18:06:11; Dark ; 56.0; 47; 2Bet CMa ; 1.98; 28000;occ; 112; 0;40705  
 3; 1748.4; 12-DEC-2009 18:09:49; Dark ; 49.5; 7; 19Bet Ori ; 0.10; 14000;occ; 99; 0;40705  
 4; 1891.0; 12-DEC-2009 18:12:12; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40705  
 5; 2035.7; 12-DEC-2009 18:14:36; Dark ; 49.5; 27; 24Gam Ori ; 1.64; 26000;occ; 99; 0;40705  
 6; 2194.7; 12-DEC-2009 18:17:15; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 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  
 10; 2696.0; 12-DEC-2009 18:25:37; Bright; 47.0; 107; 37The Aur ; 2.65; 11000;occ; 94; 0;40705  
 11; 2823.6; 12-DEC-2009 18:27:44; Bright; 45.5; 42; 34Bet Aur ; 1.90; 10200;occ; 91; 0;40705  
 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  
 15; 4333.6; 12-DEC-2009 18:52:54; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;40705  
 16; 4716.5; 12-DEC-2009 18:59:17; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;40705  
 17; 4939.5; 12-DEC-2009 19:03:00; Bright; 55.0; 138; 47Eps Vir ; 2.83; 4700;occ; 110; 0;40705  
 18; 5295.1; 12-DEC-2009 19:08:56; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;40705  
 19; 5504.1; 12-DEC-2009 19:12:25; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40705  
 20; 5627.9; 12-DEC-2009 19:14:28; Dark ; 52.5; 100; 4Gam Crv ; 2.58; 13100;occ; 105; 0;40705  
 21; 5723.8; 12-DEC-2009 19:16:04; Dark ; 55.0; 171; 2Eps Crv ; 3.00; 4250;occ; 110; 0;40705  
 22; 5948.9; 12-DEC-2009 19:19:49; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;40705  
 23; 6043.6; 12-DEC-2009 19:21:24; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40705  
 24; 6264.7; 12-DEC-2009 19:25:05; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40705  
 25; 6504.3; 12-DEC-2009 19:29:05; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40705  
 26; 6580.0; 12-DEC-2009 19:30:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40705  
 27; 6779.3; 12-DEC-2009 19:33:40; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40705  
 28; 6921.9; 12-DEC-2009 19:36:03; Dark ; 29.0; 2; Alp Car ; -0.74; 7000;occ; 58; 0;40705

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1; 885.9; 12-DEC-2009 19:36:03; Dark ; 56.0; 2; Alp Car ; -0.74; 7000;occ; 112; 0;40706  
 2; 1041.2; 12-DEC-2009 19:38:38; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;40706  
 3; 1243.2; 12-DEC-2009 19:42:00; Dark ; 57.0; 23; 21Eps CMa ; 1.50; 26000;occ; 114; 0;40706  
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 5; 1748.3; 12-DEC-2009 19:50:25; Dark ; 49.0; 7; 19Bet Ori ; 0.10; 14000;occ; 98; 0;40706  
 6; 1890.9; 12-DEC-2009 19:52:47; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;40706  
 7; 2035.6; 12-DEC-2009 19:55:12; Dark ; 48.0; 27; 24Gam Ori ; 1.64; 26000;occ; 96; 0;40706  
 8; 2194.5; 12-DEC-2009 19:57:51; Dark ; 55.0; 13; 87Alp Tau ; 0.87; 3800;occ; 110; 0;40706  
 9; 2345.5; 12-DEC-2009 20:00:22; Bright; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;40706  
 10; 2467.6; 12-DEC-2009 20:02:24; Bright; 45.0; 28; 12Bet Tau ; 1.65; 15200;occ; 90; 0;40706  
 11; 2589.7; 12-DEC-2009 20:04:26; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40706  
 12; 2695.2; 12-DEC-2009 20:06:12; Bright; 48.0; 107; 37The Aur ; 2.65; 11000;occ; 96; 0;40706  
 13; 2822.9; 12-DEC-2009 20:08:19; Bright; 46.5; 42; 34Bet Aur ; 1.90; 10200;occ; 93; 0;40706  
 14; 3752.1; 12-DEC-2009 20:23:49; Bright; 48.5; 36; 50Alp UMa ; 1.80; 6300;occ; 97; 0;40706  
 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  
 17; 4333.5; 12-DEC-2009 20:33:30; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40706  
 18; 4716.6; 12-DEC-2009 20:39:53; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;40706  
 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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1; -740.3; 12-DEC-2009 20:49:32; Dark ; 45.0; 15; 67Alp Vir ; 0.98; 28000;occ; 90; 0;40706  
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 3; -407.0; 12-DEC-2009 20:55:05; Dark ; 54.0; 100; 4Gam Crv ; 2.58; 13100;occ; 108; 0;40706  
 4; -311.0; 12-DEC-2009 20:56:42; Dark ; 52.0; 171; 2Eps Crv ; 3.00; 4250;occ; 104; 0;40706  
 5; -86.5; 12-DEC-2009 21:00:26; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40706  
 6; 8.2; 12-DEC-2009 21:02:01; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40707  
 7; 229.7; 12-DEC-2009 21:05:42; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40707  
 8; 468.7; 12-DEC-2009 21:09:41; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;40707

9; 544.8; 12-DEC-2009 21:10:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40707  
10; 744.0; 12-DEC-2009 21:14:16; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;40707  
11; 886.5; 12-DEC-2009 21:16:39; Dark ; 56.0; 2; Alp Car ;-0.74; 7000;occ; 112; 0;40707  
12; 1041.6; 12-DEC-2009 21:19:14; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;40707  
13; 1243.7; 12-DEC-2009 21:22:36; Dark ; 55.0; 23; 21Eps CMa ; 1.50; 26000;occ; 110; 0;40707  
14; 1530.8; 12-DEC-2009 21:27:23; Dark ; 54.0; 47; 2Bet CMa ; 1.98; 28000;occ; 108; 0;40707  
15; 1748.4; 12-DEC-2009 21:31:01; Dark ; 53.0; 7; 19Bet Ori ; 0.10; 14000;occ; 106; 0;40707  
16; 1890.6; 12-DEC-2009 21:33:23; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40707  
17; 2035.2; 12-DEC-2009 21:35:48; Dark ; 49.5; 27; 24Gam Ori ; 1.64; 26000;occ; 99; 0;40707  
18; 2194.4; 12-DEC-2009 21:38:27; Dark ; 47.0; 13; 87Alp Tau ; 0.87; 3800;occ; 94; 0;40707  
19; 2345.0; 12-DEC-2009 21:40:57; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;40707  
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21; 2589.5; 12-DEC-2009 21:45:02; Bright; 37.5; 149; 45Eps Per ; 2.89; 30000;occ; 75; 0;40707  
22; 2694.5; 12-DEC-2009 21:46:47; Bright; 46.0; 107; 37The Aur ; 2.65; 11000;occ; 92; 0;40707  
23; 2822.1; 12-DEC-2009 21:48:55; Bright; 66.0; 42; 34Bet Aur ; 1.90; 10200;occ; 132; 0;40707  
24; 3751.7; 12-DEC-2009 22:04:24; Bright; 48.0; 36; 50Alp UMa ; 1.80; 6300;occ; 96; 0;40707  
25; 3991.9; 12-DEC-2009 22:08:24; Bright; 45.0; 32; 77Eps UMa ; 1.76; 11000;occ; 90; 0;40707  
26; 4139.7; 12-DEC-2009 22:10:52; Bright; 57.0; 39; 85Eta UMa ; 1.85; 24000;occ; 114; 0;40707  
27; 4333.8; 12-DEC-2009 22:14:06; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40707  
28; 4716.9; 12-DEC-2009 22:20:29; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;40707  
29; 4940.7; 12-DEC-2009 22:24:13; Bright; 54.0; 138; 47Eps Vir ; 2.83; 4700;occ; 108; 0;40707  
30; 5296.0; 12-DEC-2009 22:30:09; Dark ; 44.0; 15; 67Alp Vir ; 0.98; 28000;occ; 88; 0;40707

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2; -530.8; 12-DEC-2009 22:33:38; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40707  
3; -405.7; 12-DEC-2009 22:35:43; Dark ; 53.5; 100; 4Gam Crv ; 2.58; 13100;occ; 107; 0;40707  
4; -309.6; 12-DEC-2009 22:37:19; Dark ; 63.0; 171; 2Eps Crv ; 3.00; 4250;occ; 126; 0;40707  
5; -85.9; 12-DEC-2009 22:41:02; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;40707  
6; 8.7; 12-DEC-2009 22:42:37; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40708  
7; 230.5; 12-DEC-2009 22:46:19; Dark ; 42.0; 113; Mu Vel ; 2.69; 5000;occ; 84; 0;40708  
8; 469.4; 12-DEC-2009 22:50:18; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;40708  
9; 545.6; 12-DEC-2009 22:51:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40708  
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11; 886.9; 12-DEC-2009 22:57:15; Dark ; 49.5; 2; Alp Car ;-0.74; 7000;occ; 99; 0;40708  
12; 1042.3; 12-DEC-2009 22:59:51; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;40708  
13; 1244.3; 12-DEC-2009 23:03:13; Dark ; 55.0; 23; 21Eps CMa ; 1.50; 26000;occ; 110; 0;40708  
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16; 1890.4; 12-DEC-2009 23:13:59; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40708  
17; 2035.0; 12-DEC-2009 23:16:23; Dark ; 51.0; 27; 24Gam Ori ; 1.64; 26000;occ; 102; 0;40708  
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19; 2344.7; 12-DEC-2009 23:21:33; Bright; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;40708  
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21; 2589.7; 12-DEC-2009 23:25:38; Bright; 36.5; 149; 45Eps Per ; 2.89; 30000;occ; 73; 0;40708  
22; 2693.9; 12-DEC-2009 23:27:22; Bright; 66.0; 107; 37The Aur ; 2.65; 11000;occ; 132; 0;40708  
23; 2821.5; 12-DEC-2009 23:29:30; Bright; 44.5; 42; 34Bet Aur ; 1.90; 10200;occ; 89; 0;40708  
24; 3751.3; 12-DEC-2009 23:45:00; Bright; 43.0; 36; 50Alp UMa ; 1.80; 6300;occ; 86; 0;40708  
25; 3991.3; 12-DEC-2009 23:49:00; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;40708  
26; 4139.5; 12-DEC-2009 23:51:28; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;40708  
27; 4334.0; 12-DEC-2009 23:54:42; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;40708  
28; 4717.3; 13-DEC-2009 00:01:06; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;40708  
29; 4941.2; 13-DEC-2009 00:04:50; Bright; 70.0; 138; 47Eps Vir ; 2.83; 4700;occ; 140; 0;40708  
30; 5296.7; 13-DEC-2009 00:10:45; Dark ; 48.0; 15; 67Alp Vir ; 0.98; 28000;occ; 96; 0;40708

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1; -712.1; 13-DEC-2009 00:11:12; Dark ; 48.5; 15; 67Alp Vir ; 0.98; 28000;occ; 97; 54;40708  
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4; -85.5; 13-DEC-2009 00:21:39; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40708  
5; 9.4; 13-DEC-2009 00:23:14; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;40709  
6; 231.4; 13-DEC-2009 00:26:56; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;40709  
7; 470.0; 13-DEC-2009 00:30:54; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;40709  
8; 546.4; 13-DEC-2009 00:32:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40709  
9; 745.4; 13-DEC-2009 00:35:30; Dark ; 52.0; 34; Gam2Vel ; 1.79; 23000;occ; 104; 0;40709  
10; 887.1; 13-DEC-2009 00:37:51; Dark ; 52.0; 2; Alp Car ;-0.74; 7000;occ; 104; 0;40709  
11; 1042.9; 13-DEC-2009 00:40:27; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;40709  
12; 1244.5; 13-DEC-2009 00:43:49; Dark ; 53.0; 23; 21Eps CMa ; 1.50; 26000;occ; 106; 0;40709  
13; 1531.0; 13-DEC-2009 00:48:35; Dark ; 52.5; 47; 2Bet CMa ; 1.98; 28000;occ; 105; 0;40709  
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19; 2466.2; 13-DEC-2009 01:04:10; Bright; 45.0; 28; 12Bet Tau ; 1.65; 15200;occ; 90; 0;40709
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 15; 748.6; 13-DEC-2009 07:17:57; Dark ; 50.0; 34; Gam2Vel ; 1.79; 23000;occ; 100; 0;40713  
 16; 889.0; 13-DEC-2009 07:20:17; Dark ; 45.5; 2; Alp Car ; -0.74; 7000;occ; 91; 0;40713  
 17; 1045.5; 13-DEC-2009 07:22:54; Dark ; 53.5; 117; Pi Pup ; 2.71; 3800;occ; 107; 0;40713  
 18; 1246.7; 13-DEC-2009 07:26:15; Dark ; 56.0; 23; 21Eps CMa ; 1.50; 26000;occ; 112; 0;40713  
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12; 4334.4; 13-DEC-2009 08:17:42; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40713
13; 4719.0; 13-DEC-2009 08:24:07; Bright; 58.0; 111; 8Eta Boo ; 2.68; 6000;occ; 116; 0;40713
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23; 6785.3; 13-DEC-2009 08:58:33; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;40713
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25; 7082.1; 13-DEC-2009 09:03:30; Dark ; 54.5; 117; Pi Pup ; 2.71; 3800;occ; 109; 0;40713
26; 7283.0; 13-DEC-2009 09:06:51; Dark ; 55.0; 23; 21Eps CMA ; 1.50; 26000;occ; 110; 0;40713
27; 7568.1; 13-DEC-2009 09:11:36; Dark ; 52.5; 47; 2Bet CMA ; 1.98; 28000;occ; 105; 0;40713
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6; 2464.0; 13-DEC-2009 09:27:08; Bright; 45.0; 28; 12Bet Tau ; 1.65; 15200;occ; 90; 0;40714
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12; 4139.7; 13-DEC-2009 09:55:04; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;40714
13; 4334.6; 13-DEC-2009 09:58:19; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;40714
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19; 5954.1; 13-DEC-2009 10:25:18; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;40714
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 12; 4139.5; 13-DEC-2009 13:16:15; Bright; 52.5; 39; 85Eta UMa ; 1.85; 24000;occ; 105; 0;40716  
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 23; 6511.1; 13-DEC-2009 13:55:47; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40716  
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 27; 7083.9; 13-DEC-2009 14:05:20; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;40716  
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 27; 7084.5; 13-DEC-2009 15:45:56; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;40717  
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 22; 6310.0; 16-DEC-2009 08:56:23; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40756  
 23; 6536.0; 16-DEC-2009 09:00:10; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40756  
 24; 6618.6; 16-DEC-2009 09:01:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40756  
 25; 6816.4; 16-DEC-2009 09:04:50; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40756  
 26; 6944.2; 16-DEC-2009 09:06:58; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;40756  
 27; 7106.9; 16-DEC-2009 09:09:40; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0;40756  
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 29; 7301.7; 16-DEC-2009 09:12:55; Dark ; 53.5; 23; 21Eps CMa ; 1.50; 26000;occ; 107; 0;40756  
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 31; 7786.0; 16-DEC-2009 09:21:00; Dark ; 45.0; 7; 19Bet Ori ; 0.10; 14000;occ; 90; 0;40756

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 9; 3704.5; 16-DEC-2009 09:53:34; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40757  
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 14; 4732.1; 16-DEC-2009 10:10:42; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;40757  
 15; 4972.7; 16-DEC-2009 10:14:42; Bright; 48.0; 138; 47Eps Vir ; 2.83; 4700;occ; 96; 0;40757  
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 22; 6310.8; 16-DEC-2009 10:37:00; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40757  
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30; 7302.4; 16-DEC-2009 12:34:08; Dark ; 52.0; 23; 21Eps CMa ; 1.50; 26000;occ; 104; 0;40758
31; 7574.3; 16-DEC-2009 12:38:40; Dark ; 48.5; 47; 2Bet CMa ; 1.98; 28000;occ; 97; 0;40758
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 12; 4137.1; 16-DEC-2009 15:02:34; Bright; 47.0; 39; 85Eta UMa ; 1.85; 24000;occ; 94; 0;40760  
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25; 7114.6; 17-DEC-2009 08:38:11; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;40770  
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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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1; 1540.5; 17-DEC-2009 13:47:41; Dark ; 50.0; 47; 2Bet CMa ; 1.98; 28000;occ; 100; 0;40774  
 2; 1750.9; 17-DEC-2009 13:51:11; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;40774  
 3; 1883.2; 17-DEC-2009 13:53:23; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;40774  
 4; 2067.5; 17-DEC-2009 13:56:28; Dark ; 57.0; 14; 58Alp Ori ; 0.87; 3000;occ; 114; 0;40774  
 5; 2189.3; 17-DEC-2009 13:58:30; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;40774  
 6; 2316.4; 17-DEC-2009 14:00:37; Bright; 41.5; 176; 23Zet Tau ; 3.02; 22000;occ; 83; 0;40774  
 7; 2440.1; 17-DEC-2009 14:02:40; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;40774  
 8; 2651.5; 17-DEC-2009 14:06:12; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;40774  
 9; 2782.5; 17-DEC-2009 14:08:23; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;40774  
 10; 3704.2; 17-DEC-2009 14:23:44; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;40774  
 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  
 20; 6090.7; 17-DEC-2009 15:03:31; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40774  
 21; 6326.1; 17-DEC-2009 15:07:26; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40774



22; 6547.2; 17-DEC-2009 15:11:07; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40774  
 23; 6632.0; 17-DEC-2009 15:12:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40774  
 24; 6828.8; 17-DEC-2009 15:15:49; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40774  
 25; 6957.5; 17-DEC-2009 15:17:58; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;40774  
 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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1; 1379.1; 17-DEC-2009 15:25:35; Dark ; 50.0; 179; 240mi2CMA ; 3.03; 24000;occ; 100; 0;40775  
 2; 1540.7; 17-DEC-2009 15:28:17; Dark ; 50.5; 47; 2Bet CMA ; 1.98; 28000;occ; 101; 0;40775  
 3; 1751.0; 17-DEC-2009 15:31:47; Dark ; 52.5; 7; 19Bet Ori ; 0.10; 14000;occ; 105; 0;40775  
 4; 1883.1; 17-DEC-2009 15:33:59; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;40775  
 5; 2067.4; 17-DEC-2009 15:37:04; Dark ; 65.0; 14; 58Alp Ori ; 0.87; 3000;occ; 130; 0;40775  
 6; 2189.1; 17-DEC-2009 15:39:05; Dark ; 52.5; 13; 87Alp Tau ; 0.87; 3800;occ; 105; 0;40775  
 7; 2316.0; 17-DEC-2009 15:41:12; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;40775  
 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  
 14; 4340.5; 17-DEC-2009 16:14:57; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40775  
 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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1; 1273.4; 17-DEC-2009 17:04:26; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;40776  
 2; 1379.5; 17-DEC-2009 17:06:12; Dark ; 51.5; 179; 240mi2CMA ; 3.03; 24000;occ; 103; 0;40776  
 3; 1557.5; 17-DEC-2009 17:09:10; Dark ; 27.0; 1; 9Alp CMA ; -1.44; 11000;occ; 54; 0;40776  
 4; 1751.1; 17-DEC-2009 17:12:23; Dark ; 46.5; 7; 19Bet Ori ; 0.10; 14000;occ; 93; 0;40776  
 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  
 7; 2189.1; 17-DEC-2009 17:19:41; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;40776  
 8; 2315.8; 17-DEC-2009 17:21:48; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;40776  
 9; 2439.2; 17-DEC-2009 17:23:51; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;40776  
 10; 2650.2; 17-DEC-2009 17:27:22; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;40776  
 11; 2781.4; 17-DEC-2009 17:29:34; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;40776  
 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  
 16; 4535.5; 17-DEC-2009 17:58:48; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;40776  
 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  
 26; 6830.3; 17-DEC-2009 18:37:03; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;40776  
 27; 6959.2; 17-DEC-2009 18:39:11; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;40776

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1; 1082.0; 17-DEC-2009 18:41:50; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;40777  
 2; 1273.8; 17-DEC-2009 18:45:02; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;40777  
 3; 1379.5; 17-DEC-2009 18:46:48; Dark ; 54.0; 179; 240mi2CMA ; 3.03; 24000;occ; 108; 0;40777  
 4; 1557.8; 17-DEC-2009 18:49:46; Dark ; 27.0; 1; 9Alp CMA ; -1.44; 11000;occ; 54; 0;40777

5; 1751.1; 17-DEC-2009 18:52:59; Dark ; 46.0; 7; 19Bet Ori ; 0.10; 14000;occ; 92; 0;40777  
6; 1883.0; 17-DEC-2009 18:55:11; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;40777  
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  
9; 2315.1; 17-DEC-2009 19:02:23; Bright; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;40777  
10; 2438.6; 17-DEC-2009 19:04:27; Bright; 56.5; 28; 12Bet Tau ; 1.65; 15200;occ; 113; 0;40777  
11; 2649.6; 17-DEC-2009 19:07:58; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;40777  
12; 2780.9; 17-DEC-2009 19:10:09; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;40777  
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  
15; 4136.1; 17-DEC-2009 19:32:44; Bright; 58.0; 39; 85Eta UMa ; 1.85; 24000;occ; 116; 0;40777  
16; 4340.3; 17-DEC-2009 19:36:09; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;40777  
17; 4535.6; 17-DEC-2009 19:39:24; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;40777  
18; 4738.7; 17-DEC-2009 19:42:47; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;40777  
19; 5346.1; 17-DEC-2009 19:52:54; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;40777  
20; 5556.6; 17-DEC-2009 19:56:25; Dark ; 45.0; 169; 46Gam Hya ; 2.99; 4700;occ; 90; 0;40777  
21; 5715.4; 17-DEC-2009 19:59:04; Dark ; 55.0; 106; 9Bet Crv ; 2.65; 5600;occ; 110; 0;40777  
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  
24; 6328.7; 17-DEC-2009 20:09:17; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40777  
25; 6548.8; 17-DEC-2009 20:12:57; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40777  
26; 6634.2; 17-DEC-2009 20:14:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40777  
27; 6831.0; 17-DEC-2009 20:17:39; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;40777

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1; -687.4; 18-DEC-2009 00:54:44; Dark ; 54.5; 15; 67Alp Vir ; 0.98; 28000;occ; 109; 0;40780  
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3; 59.1; 18-DEC-2009 01:07:11; Dark ; 42.5; 99; Del Cen ; 2.58; 26000;occ; 85; 0;40781  
4; 295.4; 18-DEC-2009 01:11:07; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;40781  
5; 514.6; 18-DEC-2009 01:14:46; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;40781  
6; 600.5; 18-DEC-2009 01:16:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40781  
7; 797.0; 18-DEC-2009 01:19:29; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40781  
8; 926.0; 18-DEC-2009 01:21:38; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;40781  
9; 1084.0; 18-DEC-2009 01:24:16; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;40781  
10; 1275.5; 18-DEC-2009 01:27:27; Dark ; 51.0; 23; 21Eps CMa ; 1.50; 26000;occ; 102; 0;40781  
11; 1381.0; 18-DEC-2009 01:29:13; Dark ; 52.0; 179; 240mi2CMa ; 3.03; 24000;occ; 104; 0;40781  
12; 1558.1; 18-DEC-2009 01:32:10; Dark ; 39.0; 1; 9Alp CMa ; -1.44; 11000;occ; 78; 0;40781  
13; 1751.1; 18-DEC-2009 01:35:23; Dark ; 48.0; 7; 19Bet Ori ; 0.10; 14000;occ; 96; 0;40781  
14; 1882.5; 18-DEC-2009 01:37:34; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;40781  
15; 2065.6; 18-DEC-2009 01:40:37; Dark ; 56.5; 14; 58Alp Ori ; 0.87; 3000;occ; 113; 0;40781  
16; 2188.7; 18-DEC-2009 01:42:41; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;40781  
17; 2313.7; 18-DEC-2009 01:44:46; Bright; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;40781  
18; 2437.4; 18-DEC-2009 01:46:49; Bright; 41.0; 28; 12Bet Tau ; 1.65; 15200;occ; 82; 0;40781  
19; 2647.4; 18-DEC-2009 01:50:19; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;40781  
20; 2778.6; 18-DEC-2009 01:52:31; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;40781  
21; 3704.1; 18-DEC-2009 02:07:56; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;40781  
22; 3975.9; 18-DEC-2009 02:12:28; Bright; 62.0; 32; 77Eps UMa ; 1.76; 11000;occ; 124; 0;40781  
23; 4135.7; 18-DEC-2009 02:15:08; Bright; 16.5; 39; 85Eta UMa ; 1.85; 24000;occ; 33; 0;40781

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1; -1900.2; 18-DEC-2009 02:15:08; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;40781  
2; -1695.0; 18-DEC-2009 02:18:33; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40781  
3; -1499.9; 18-DEC-2009 02:21:48; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;40781  
4; -1296.1; 18-DEC-2009 02:25:12; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;40781  
5; -686.7; 18-DEC-2009 02:35:21; Dark ; 54.5; 15; 67Alp Vir ; 0.98; 28000;occ; 109; 0;40781  
6; -476.0; 18-DEC-2009 02:38:52; Dark ; 47.5; 169; 46Gam Hya ; 2.99; 4700;occ; 95; 0;40781  
7; -316.0; 18-DEC-2009 02:41:32; Dark ; 59.0; 106; 9Bet Crv ; 2.65; 5600;occ; 118; 0;40781  
8; -40.1; 18-DEC-2009 02:46:08; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;40781  
9; 59.8; 18-DEC-2009 02:47:48; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40782  
10; 296.3; 18-DEC-2009 02:51:44; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;40782  
11; 515.4; 18-DEC-2009 02:55:23; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;40782  
12; 601.2; 18-DEC-2009 02:56:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40782  
13; 797.7; 18-DEC-2009 03:00:05; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40782  
14; 926.5; 18-DEC-2009 03:02:14; Dark ; 48.0; 70; Zet Pup ; 2.25; 39000;occ; 96; 0;40782  
15; 1084.5; 18-DEC-2009 03:04:52; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;40782  
16; 1275.8; 18-DEC-2009 03:08:04; Dark ; 53.5; 23; 21Eps CMa ; 1.50; 26000;occ; 107; 0;40782  
17; 1381.2; 18-DEC-2009 03:09:49; Dark ; 53.0; 179; 240mi2CMa ; 3.03; 24000;occ; 106; 0;40782  
18; 1558.1; 18-DEC-2009 03:12:46; Dark ; 45.0; 1; 9Alp CMa ; -1.44; 11000;occ; 90; 0;40782  
19; 1751.3; 18-DEC-2009 03:15:59; Dark ; 47.0; 7; 19Bet Ori ; 0.10; 14000;occ; 94; 0;40782  
20; 1882.5; 18-DEC-2009 03:18:10; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;40782

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21; 2065.1; 18-DEC-2009 03:21:13; Dark ; 62.5; 14; 58Alp Ori ; 0.87; 3000;occ; 125; 0;40782
22; 2188.7; 18-DEC-2009 03:23:16; Dark ; 46.5; 13; 87Alp Tau ; 0.87; 3800;occ; 93; 0;40782
23; 2313.3; 18-DEC-2009 03:25:21; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;40782
24; 2437.0; 18-DEC-2009 03:27:25; Bright; 44.5; 28; 12Bet Tau ; 1.65; 15200;occ; 89; 0;40782
25; 2646.6; 18-DEC-2009 03:30:54; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;40782
26; 2778.0; 18-DEC-2009 03:33:06; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;40782
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12; 4135.3; 18-DEC-2009 08:57:31; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;40785
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14; 4536.6; 18-DEC-2009 09:04:12; Bright; 55.0; 83; ; 2.38; 11000;occ; 110; 0;40785
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16; 5352.6; 18-DEC-2009 09:17:48; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;40785
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19; 5998.4; 18-DEC-2009 09:28:34; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;40785
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21; 6335.9; 18-DEC-2009 09:34:12; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40785
22; 6553.7; 18-DEC-2009 09:37:49; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;40785
23; 6639.9; 18-DEC-2009 09:39:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40785
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27; 7313.3; 18-DEC-2009 09:50:29; Dark ; 54.0; 23; 21Eps CMa ; 1.50; 26000;occ; 108; 0;40785
28; 7418.5; 18-DEC-2009 09:52:14; Dark ; 51.5; 179; 240mi2CMa ; 3.03; 24000;occ; 103; 0;40785
29; 7594.6; 18-DEC-2009 09:55:10; Dark ; 56.0; 1; 9Alp CMa ; -1.44; 11000;occ; 112; 0;40785
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 11; 4135.1; 18-DEC-2009 10:38:07; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;40786  
 12; 4341.2; 18-DEC-2009 10:41:33; Bright; 53.5; 180; 27Gam Boo ; 3.04; 8000;occ; 107; 0;40786  
 13; 4536.8; 18-DEC-2009 10:44:49; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;40786  
 14; 4741.7; 18-DEC-2009 10:48:13; Bright; 43.0; 111; 8Eta Boo ; 2.68; 6000;occ; 86; 0;40786  
 15; 5353.2; 18-DEC-2009 10:58:25; Dark ; 50.0; 15; 67Alp Vir ; 0.98; 28000;occ; 100; 0;40786  
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 23; 6837.0; 18-DEC-2009 11:23:09; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40786  
 24; 6966.1; 18-DEC-2009 11:25:18; Dark ; 48.0; 70; Zet Pup ; 2.25; 39000;occ; 96; 0;40786  
 25; 7123.1; 18-DEC-2009 11:27:55; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;40786  
 26; 7313.7; 18-DEC-2009 11:31:05; Dark ; 51.0; 23; 21Eps CMA ; 1.50; 26000;occ; 102; 0;40786  
 27; 7418.8; 18-DEC-2009 11:32:50; Dark ; 53.5; 179; 240mi2CMA ; 3.03; 24000;occ; 107; 0;40786  
 28; 7594.7; 18-DEC-2009 11:35:46; Dark ; 55.5; 1; 9Alp CMA ; -1.44; 11000;occ; 111; 0;40786

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 5; 2311.5; 18-DEC-2009 11:48:19; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;40787  
 6; 2435.4; 18-DEC-2009 11:50:23; Bright; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;40787  
 7; 2644.0; 18-DEC-2009 11:53:52; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;40787  
 8; 2775.4; 18-DEC-2009 11:56:03; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;40787  
 9; 3703.7; 18-DEC-2009 12:11:31; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;40787  
 10; 3974.4; 18-DEC-2009 12:16:02; Bright; 63.0; 32; 77Eps UMa ; 1.76; 11000;occ; 126; 0;40787  
 11; 4135.3; 18-DEC-2009 12:18:43; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;40787  
 12; 4341.1; 18-DEC-2009 12:22:09; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;40787  
 13; 4537.1; 18-DEC-2009 12:25:25; Bright; 55.0; 83; ; 2.38; 11000;occ; 110; 0;40787  
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 18; 5999.8; 18-DEC-2009 12:49:47; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;40787  
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 22; 6641.4; 18-DEC-2009 13:00:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40787  
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 27; 7418.7; 18-DEC-2009 13:13:26; Dark ; 52.5; 179; 240mi2CMA ; 3.03; 24000;occ; 105; 0;40787  
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 9; 2774.9; 18-DEC-2009 13:36:38; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;40788  
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 11; 3974.1; 18-DEC-2009 13:56:37; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;40788  
 12; 4135.2; 18-DEC-2009 13:59:19; Bright; 45.0; 39; 85Eta UMa ; 1.85; 24000;occ; 90; 0;40788  
 13; 4341.1; 18-DEC-2009 14:02:45; Bright; 56.0; 180; 27Gam Boo ; 3.04; 8000;occ; 112; 0;40788  
 14; 4537.2; 18-DEC-2009 14:06:01; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;40788  
 15; 4742.3; 18-DEC-2009 14:09:26; Bright; 43.0; 111; 8Eta Boo ; 2.68; 6000;occ; 86; 0;40788  
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 18; 5728.0; 18-DEC-2009 14:25:51; Dark ; 53.0; 106; 9Bet Crv ; 2.65; 5600;occ; 106; 0;40788



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 22; 6555.5; 18-DEC-2009 14:39:39; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40788  
 23; 6642.2; 18-DEC-2009 14:41:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40788  
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 25; 6967.6; 18-DEC-2009 14:46:31; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;40788  
 26; 7124.2; 18-DEC-2009 14:49:08; Dark ; 52.0; 117; Pi Pup ; 2.71; 3800;occ; 104; 0;40788  
 27; 7314.3; 18-DEC-2009 14:52:18; Dark ; 51.5; 23; 21Eps CMA ; 1.50; 26000;occ; 103; 0;40788  
 28; 7419.3; 18-DEC-2009 14:54:03; Dark ; 52.0; 179; 240mi2CMA ; 3.03; 24000;occ; 104; 0;40788

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 13; 4135.1; 18-DEC-2009 15:39:54; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;40789  
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 19; 5729.3; 18-DEC-2009 16:06:29; Dark ; 55.0; 106; 9Bet Crv ; 2.65; 5600;occ; 110; 0;40789  
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 22; 6339.6; 18-DEC-2009 16:16:39; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40789  
 23; 6556.2; 18-DEC-2009 16:20:16; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;40789  
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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

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20091219\_020356\_000034462085\_00160\_40795\_9156.N1

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  
 12; 309.8; 19-DEC-2009 04:00:57; Dark ; 48.5; 113; Mu Vel ; 2.69; 5000;occ; 97; 0;40797  
 13; 524.4; 19-DEC-2009 04:04:31; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40797  
 14; 612.0; 19-DEC-2009 04:05:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40797  
 15; 807.7; 19-DEC-2009 04:09:15; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40797  
 16; 937.4; 19-DEC-2009 04:11:24; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40797  
 17; 1092.5; 19-DEC-2009 04:13:59; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0;40797  
 18; 1281.8; 19-DEC-2009 04:17:09; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;40797  
 19; 1386.1; 19-DEC-2009 04:18:53; Dark ; 52.0; 179; 240mi2CMA ; 3.03; 24000;occ; 104; 0;40797  
 20; 1560.0; 19-DEC-2009 04:21:47; Dark ; 56.0; 1; 9Alp CMA ; -1.44; 11000;occ; 112; 0;40797  
 21; 1752.2; 19-DEC-2009 04:24:59; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0;40797  
 22; 1881.8; 19-DEC-2009 04:27:09; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;40797  
 23; 2061.1; 19-DEC-2009 04:30:08; Dark ; 64.0; 14; 58Alp Ori ; 0.87; 3000;occ; 128; 0;40797  
 24; 2188.5; 19-DEC-2009 04:32:15; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;40797  
 25; 2308.3; 19-DEC-2009 04:34:15; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;40797  
 26; 2432.2; 19-DEC-2009 04:36:19; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;40797  
 27; 2638.7; 19-DEC-2009 04:39:46; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;40797  
 28; 2726.8; 19-DEC-2009 04:41:14; Bright; 45.0; 6; 13Alp Aur ; 0.08; 3400;occ; 90; 0;40797  
 29; 3703.6; 19-DEC-2009 04:57:30; Bright; 21.5; 60; 7Bet UMi ; 2.08; 3950;occ; 43; 0;40797

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1; -2332.4; 19-DEC-2009 04:57:30; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40797  
 2; -2064.0; 19-DEC-2009 05:01:59; Bright; 63.0; 32; 77Eps UMa ; 1.76; 11000;occ; 126; 0;40797  
 3; -1901.5; 19-DEC-2009 05:04:41; Bright; 43.0; 39; 85Eta UMa ; 1.85; 24000;occ; 86; 0;40797  
 4; -1693.5; 19-DEC-2009 05:08:09; Bright; 45.0; 180; 27Gam Boo ; 3.04; 8000;occ; 90; 0;40797  
 5; -1497.1; 19-DEC-2009 05:11:26; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;40797  
 6; -1290.6; 19-DEC-2009 05:14:52; Bright; 43.5; 111; 8Eta Boo ; 2.68; 6000;occ; 87; 0;40797  
 7; -673.7; 19-DEC-2009 05:25:09; Dark ; 54.5; 15; 67Alp Vir ; 0.98; 28000;occ; 109; 0;40797  
 8; -463.0; 19-DEC-2009 05:28:40; Dark ; 48.5; 169; 46Gam Hya ; 2.99; 4700;occ; 97; 0;40797  
 9; -297.3; 19-DEC-2009 05:31:26; Dark ; 52.0; 106; 9Bet Crv ; 2.65; 5600;occ; 104; 0;40797  
 10; -29.6; 19-DEC-2009 05:35:53; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40797  
 11; 71.1; 19-DEC-2009 05:37:34; Dark ; 42.5; 99; Del Cen ; 2.58; 26000;occ; 85; 0;40798  
 12; 310.8; 19-DEC-2009 05:41:34; Dark ; 54.5; 113; Mu Vel ; 2.69; 5000;occ; 109; 0;40798  
 13; 525.1; 19-DEC-2009 05:45:08; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;40798  
 14; 612.7; 19-DEC-2009 05:46:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40798  
 15; 808.5; 19-DEC-2009 05:49:51; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;40798  
 16; 938.1; 19-DEC-2009 05:52:01; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40798  
 17; 1092.8; 19-DEC-2009 05:54:36; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;40798  
 18; 1282.0; 19-DEC-2009 05:57:45; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;40798  
 19; 1386.2; 19-DEC-2009 05:59:29; Dark ; 51.5; 179; 240mi2CMA ; 3.03; 24000;occ; 103; 0;40798  
 20; 1560.2; 19-DEC-2009 06:02:23; Dark ; 57.0; 1; 9Alp CMA ; -1.44; 11000;occ; 114; 0;40798  
 21; 1752.1; 19-DEC-2009 06:05:35; Dark ; 46.5; 7; 19Bet Ori ; 0.10; 14000;occ; 93; 0;40798  
 22; 1881.5; 19-DEC-2009 06:07:44; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;40798  
 23; 2061.0; 19-DEC-2009 06:10:44; Dark ; 61.0; 14; 58Alp Ori ; 0.87; 3000;occ; 122; 0;40798  
 24; 2188.5; 19-DEC-2009 06:12:51; Dark ; 42.5; 13; 87Alp Tau ; 0.87; 3800;occ; 85; 0;40798  
 25; 2308.0; 19-DEC-2009 06:14:51; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;40798



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26; 2431.8; 19-DEC-2009 06:16:55; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;40798
27; 2638.0; 19-DEC-2009 06:20:21; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;40798
28; 2726.4; 19-DEC-2009 06:21:49; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;40798
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20091219_205730_000038472085_00172_40807_9159.N1
1; 944.1; 19-DEC-2009 20:57:30; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;40807
2; 1097.5; 19-DEC-2009 21:00:04; Dark ; 52.0; 117; Pi Pup ; 2.71; 3800;occ; 104; 0;40807
3; 1285.4; 19-DEC-2009 21:03:12; Dark ; 50.5; 23; 21Eps CMa ; 1.50; 26000;occ; 101; 0;40807
4; 1388.8; 19-DEC-2009 21:04:55; Dark ; 50.5; 179; 240mi2CMa ; 3.03; 24000;occ; 101; 0;40807
5; 1561.0; 19-DEC-2009 21:07:47; Dark ; 57.0; 1; 9Alp CMa ; -1.44; 11000;occ; 114; 0;40807
6; 1752.7; 19-DEC-2009 21:10:59; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0;40807
7; 1880.8; 19-DEC-2009 21:13:07; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;40807
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 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  
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 19; 2611.8; 23-DEC-2009 00:52:15; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;40852  
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 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  
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 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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 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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 16; 4345.9; 22-DEC-2009 18:38:46; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;40848  
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 23; 6140.3; 22-DEC-2009 19:08:40; Dark ; 43.0; 26; Gam Cru ; 1.62; 2900;occ; 86; 0;40848  
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 27; 6774.3; 22-DEC-2009 19:19:14; Dark ; 50.0; 65; Lam Vel ; 2.20; 4400;occ; 100; 0;40848  
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 17; 4346.1; 22-DEC-2009 20:19:22; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40849  
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 23; 6042.4; 22-DEC-2009 20:47:38; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40849  
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 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  
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 9; 843.8; 23-DEC-2009 02:03:23; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40853  
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19; 1402.4; 23-DEC-2009 05:33:54; Dark ; 51.0; 179; 240mi2CMa ; 3.03; 24000;occ; 102; 0;40855
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9; 2046.2; 23-DEC-2009 20:50:01; Dark ; 50.5; 14; 58Alp Ori ; 0.87; 3000;occ; 101; 0;40864
10; 2289.3; 23-DEC-2009 20:54:04; Bright; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;40864

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 12; 2606.5; 23-DEC-2009 20:59:21; Bright; 60.0; 107; 37The Aur ; 2.65; 11000;occ; 120; 0;40864  
 13; 2709.7; 23-DEC-2009 21:01:04; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;40864  
 14; 3700.3; 23-DEC-2009 21:17:35; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;40864  
 15; 3953.2; 23-DEC-2009 21:21:48; Bright; 62.5; 32; 77Eps UMa ; 1.76; 11000;occ; 125; 0;40864  
 16; 4127.6; 23-DEC-2009 21:24:42; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40864  
 17; 4347.1; 23-DEC-2009 21:28:22; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;40864  
 18; 4551.4; 23-DEC-2009 21:31:46; Bright; 57.0; 83; ; 2.38; 11000;occ; 114; 0;40864  
 19; 4770.2; 23-DEC-2009 21:35:25; Bright; 65.5; 111; 8Eta Boo ; 2.68; 6000;occ; 131; 0;40864

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 5; 371.8; 23-DEC-2009 22:02:42; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;40865  
 6; 565.1; 23-DEC-2009 22:05:56; Dark ; 48.0; 71; Iot Car ; 2.25; 7700;occ; 96; 0;40865  
 7; 670.7; 23-DEC-2009 22:07:41; Dark ; 56.0; 41; Eps Car ; 1.86; 4100;occ; 112; 0;40865  
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 10; 1125.2; 23-DEC-2009 22:15:16; Dark ; 49.0; 117; Pi Pup ; 2.71; 3800;occ; 98; 0;40865  
 11; 1305.7; 23-DEC-2009 22:18:16; Dark ; 50.5; 23; 21Eps CMa ; 1.50; 26000;occ; 101; 0;40865  
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 13; 1567.7; 23-DEC-2009 22:22:38; Dark ; 54.0; 1; 9Alp CMa ; -1.44; 11000;occ; 108; 0;40865  
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 15; 1878.9; 23-DEC-2009 22:27:49; Dark ; 44.0; 30; 46Eps Ori ; 1.69; 30000;occ; 88; 0;40865  
 16; 2046.0; 23-DEC-2009 22:30:37; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;40865  
 17; 2289.3; 23-DEC-2009 22:34:40; Bright; 40.5; 176; 23Zet Tau ; 3.02; 22000;occ; 81; 0;40865  
 18; 2414.0; 23-DEC-2009 22:36:45; Bright; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;40865  
 19; 2606.1; 23-DEC-2009 22:39:57; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;40865  
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 21; 3700.2; 23-DEC-2009 22:58:11; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40865  
 22; 3952.8; 23-DEC-2009 23:02:23; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;40865  
 23; 4127.6; 23-DEC-2009 23:05:18; Bright; 45.0; 39; 85Eta UMa ; 1.85; 24000;occ; 90; 0;40865  
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 4; 106.1; 23-DEC-2009 23:38:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40866  
 5; 372.5; 23-DEC-2009 23:43:19; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;40866  
 6; 565.6; 23-DEC-2009 23:46:32; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40866  
 7; 671.1; 23-DEC-2009 23:48:18; Dark ; 45.5; 41; Eps Car ; 1.86; 4100;occ; 91; 0;40866  
 8; 851.8; 23-DEC-2009 23:51:18; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40866  
 9; 983.1; 23-DEC-2009 23:53:29; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;40866  
 10; 1125.8; 23-DEC-2009 23:55:52; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0;40866  
 11; 1306.1; 23-DEC-2009 23:58:53; Dark ; 48.0; 23; 21Eps CMa ; 1.50; 26000;occ; 96; 0;40866  
 12; 1405.5; 24-DEC-2009 00:00:32; Dark ; 49.5; 179; 240mi2CMa ; 3.03; 24000;occ; 99; 0;40866  
 13; 1567.9; 24-DEC-2009 00:03:14; Dark ; 54.5; 1; 9Alp CMa ; -1.44; 11000;occ; 109; 0;40866  
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 16; 2045.8; 24-DEC-2009 00:11:12; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;40866  
 17; 2289.1; 24-DEC-2009 00:15:15; Bright; 39.5; 176; 23Zet Tau ; 3.02; 22000;occ; 79; 0;40866  
 18; 2413.7; 24-DEC-2009 00:17:20; Bright; 41.0; 28; 12Bet Tau ; 1.65; 15200;occ; 82; 0;40866  
 19; 2605.5; 24-DEC-2009 00:20:32; Bright; 41.0; 107; 37The Aur ; 2.65; 11000;occ; 82; 0;40866  
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 21; 3700.2; 24-DEC-2009 00:38:47; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;40866  
 22; 3952.7; 24-DEC-2009 00:42:59; Bright; 48.0; 32; 77Eps UMa ; 1.76; 11000;occ; 96; 0;40866  
 23; 4127.5; 24-DEC-2009 00:45:54; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40866  
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5; -1486.5; 23-DEC-2009 06:26:21; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;40855  
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16; 976.8; 23-DEC-2009 07:07:24; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;40856  
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7; 2711.6; 23-DEC-2009 07:36:19; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;40856  
8; 3700.8; 23-DEC-2009 07:52:48; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;40856  
9; 3955.6; 23-DEC-2009 07:57:03; Bright; 46.0; 32; 77Eps UMa ; 1.76; 11000;occ; 92; 0;40856  
10; 4128.8; 23-DEC-2009 07:59:56; Bright; 45.5; 39; 85Eta UMa ; 1.85; 24000;occ; 91; 0;40856  
11; 4346.7; 23-DEC-2009 08:03:34; Bright; 57.0; 180; 27Gam Boo ; 3.04; 8000;occ; 114; 0;40856  
12; 4549.7; 23-DEC-2009 08:06:57; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;40856  
13; 4767.3; 23-DEC-2009 08:10:34; Bright; 66.0; 111; 8Eta Boo ; 2.68; 6000;occ; 132; 0;40856  
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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  
27; 7602.9; 23-DEC-2009 08:57:50; Dark ; 57.0; 1; 9Alp CMA ; -1.44; 11000;occ; 114; 0;40856  
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5; 2416.1; 23-DEC-2009 09:11:59; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;40857  
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8; 3700.4; 23-DEC-2009 09:33:23; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;40857  
9; 3955.4; 23-DEC-2009 09:37:38; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;40857  
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11; 4346.9; 23-DEC-2009 09:44:10; Bright; 57.0; 180; 27Gam Boo ; 3.04; 8000;occ; 114; 0;40857  
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 23; 6052.0; 23-DEC-2009 20:16:11; Dark ; 48.0; 64; Gam Cen ; 2.20; 10600;occ; 96; 0;40863  
 24; 6140.3; 23-DEC-2009 20:17:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40863  
 25; 6406.8; 23-DEC-2009 20:22:05; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40863  
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 13; 1405.7; 24-DEC-2009 01:41:08; Dark ; 47.0; 179; 240mi2CMA ; 3.03; 24000;occ; 94; 0;40867  
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 21; 2709.0; 24-DEC-2009 02:02:51; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;40867  
 22; 3699.8; 24-DEC-2009 02:19:22; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;40867  
 23; 3952.3; 24-DEC-2009 02:23:35; Bright; 47.0; 32; 77Eps UMa ; 1.76; 11000;occ; 94; 0;40867  
 24; 4127.1; 24-DEC-2009 02:26:29; Bright; 53.5; 39; 85Eta UMa ; 1.85; 24000;occ; 107; 0;40867

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



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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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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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13; 375.4; 24-DEC-2009 04:45:10; Dark ; 56.0; 113; Mu Vel ; 2.69; 5000;occ; 112; 0;40869  
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26; 2413.1; 24-DEC-2009 05:19:07; Bright; 41.0; 28; 12Bet Tau ; 1.65; 15200;occ; 82; 0;40869  
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16; 4125.9; 24-DEC-2009 20:53:04; Bright; 44.5; 39; 85Eta UMa ; 1.85; 24000;occ; 89; 0;40878
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 22; 2599.3; 25-DEC-2009 01:29:25; Bright; 60.0; 107; 37The Aur ; 2.65; 11000;occ; 120; 0;40881  
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 25; 3947.8; 25-DEC-2009 01:51:53; Bright; 46.5; 32; 77Eps UMa ; 1.76; 11000;occ; 93; 0;40881  
 26; 4125.5; 25-DEC-2009 01:54:51; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;40881  
 27; 4348.0; 25-DEC-2009 01:58:33; Bright; 58.0; 180; 27Gam Boo ; 3.04; 8000;occ; 116; 0;40881  
 28; 4554.2; 25-DEC-2009 02:02:00; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;40881  
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 7; 2406.6; 26-DEC-2009 14:19:22; Bright; 39.5; 28; 12Bet Tau ; 1.65; 15200;occ; 79; 0;40903  
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 9; 2702.3; 26-DEC-2009 14:24:18; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;40903  
 10; 3645.6; 26-DEC-2009 14:40:01; Bright; 47.5; 36; 50Alp UMa ; 1.80; 6300;occ; 95; 0;40903  
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 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  
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 17; 5463.6; 26-DEC-2009 15:10:19; Dark ; 59.0; 15; 67Alp Vir ; 0.98; 28000;occ; 118; 0;40903  
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 19; 5841.4; 26-DEC-2009 15:16:37; Dark ; 45.0; 123; Iot Cen ; 2.75; 10200;occ; 90; 0;40903  
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 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  
 23; 6623.6; 26-DEC-2009 15:29:39; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40903  
 24; 6725.9; 26-DEC-2009 15:31:22; Dark ; 51.0; 41; Eps Car ; 1.86; 4100;occ; 102; 0;40903  
 25; 6910.3; 26-DEC-2009 15:34:26; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40903  
 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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 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  
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 19; 5842.3; 26-DEC-2009 16:57:14; Dark ; 45.0; 123; Iot Cen ; 2.75; 10200;occ; 90; 0;40904  
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 21; 6176.6; 26-DEC-2009 17:02:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40904  
 22; 6444.1; 26-DEC-2009 17:07:16; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;40904  
 23; 6624.2; 26-DEC-2009 17:10:16; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40904  
 24; 6726.4; 26-DEC-2009 17:11:58; Dark ; 43.5; 41; Eps Car ; 1.86; 4100;occ; 87; 0;40904  
 25; 6911.1; 26-DEC-2009 17:15:03; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;40904  
 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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1;	1142.6;	26-DEC-2009	17:19:30;	Dark	;	49.0;	117;	Pi Pup	;	2.71;	3800;	occ;	98;	0;	40905
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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1;	1007.3;	26-DEC-2009	18:57:51;	Dark	;	48.0;	70;	Zet Pup	;	2.25;	39000;	occ;	96;	0;	40906
2;	1143.0;	26-DEC-2009	19:00:07;	Dark	;	47.0;	117;	Pi Pup	;	2.71;	3800;	occ;	94;	0;	40906
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
25;	6445.7;	26-DEC-2009	20:28:30;	Dark	;	46.0;	113;	Mu Vel	;	2.69;	5000;	occ;	92;	0;	40906
26;	6625.1;	26-DEC-2009	20:31:29;	Dark	;	42.0;	71;	Iot Car	;	2.25;	7700;	occ;	84;	0;	40906
27;	6727.3;	26-DEC-2009	20:33:11;	Dark	;	53.0;	41;	Eps Car	;	1.86;	4100;	occ;	106;	0;	40906
28;	6912.0;	26-DEC-2009	20:36:16;	Dark	;	21.0;	34;	Gam2Vel	;	1.79;	23000;	occ;	42;	0;	40906

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2;	-1914.6;	27-DEC-2009	02:32:09;	Bright;		63.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	126;	0;	40910
3;	-1686.3;	27-DEC-2009	02:35:57;	Bright;		59.0;	180;	27Gam Boo	;	3.04;	8000;	occ;	118;	0;	40910
4;	-1475.9;	27-DEC-2009	02:39:27;	Bright;		58.0;	83;		;	2.38;	11000;	occ;	116;	0;	40910
5;	-1246.0;	27-DEC-2009	02:43:17;	Bright;		48.0;	111;	8Eta Boo	;	2.68;	6000;	occ;	96;	0;	40910
6;	-720.5;	27-DEC-2009	02:52:03;	Dark	;	43.0;	122;	9Alp2Lib	;	2.75;	9700;	occ;	86;	0;	40910
7;	-564.4;	27-DEC-2009	02:54:39;	Dark	;	58.0;	15;	67Alp Vir	;	0.98;	28000;	occ;	116;	0;	40910
8;	-316.2;	27-DEC-2009	02:58:47;	Dark	;	51.5;	54;	5The Cen	;	2.06;	4500;	occ;	103;	0;	40910
9;	-188.4;	27-DEC-2009	03:00:55;	Dark	;	43.5;	123;	Iot Cen	;	2.75;	10200;	occ;	87;	0;	40910

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13; 591.7; 27-DEC-2009 03:13:55; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;40911
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17; 1145.2; 27-DEC-2009 03:23:08; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;40911
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19; 1417.1; 27-DEC-2009 03:27:40; Dark ; 47.0; 179; 240mi2CMA ; 3.03; 24000;occ; 94; 0;40911
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23; 2039.2; 27-DEC-2009 03:38:02; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;40911
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25; 2405.4; 27-DEC-2009 03:44:09; Bright; 41.0; 28; 12Bet Tau ; 1.65; 15200;occ; 82; 0;40911
26; 2588.2; 27-DEC-2009 03:47:12; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;40911
27; 2701.1; 27-DEC-2009 03:49:04; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;40911
28; 3640.7; 27-DEC-2009 04:04:44; Bright; 43.5; 36; 50Alp UMA ; 1.80; 6300;occ; 87; 0;40911
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3; -1686.1; 27-DEC-2009 07:37:45; Bright; 59.0; 180; 27Gam Boo ; 3.04; 8000;occ; 118; 0;40913
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 13; 1423.2; 28-DEC-2009 23:03:21; Dark ; 47.0; 179; 240mi2CMa ; 3.03; 24000;occ; 94; 0;40937  
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 13; 4118.0; 28-DEC-2009 13:44:40; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;40931  
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13; 4115.4; 29-DEC-2009 14:53:36; Bright; 43.0; 39; 85Eta UMa ; 1.85; 24000;occ; 86; 0;40946
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 16; 4109.3; 31-DEC-2009 20:32:40; Bright; 46.0; 39; 85Eta UMa ; 1.85; 24000;occ; 92; 0;40978  
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21; 4108.9; 31-DEC-2009 23:53:52; Bright; 47.5; 39; 85Eta UMa ; 1.85; 24000;occ; 95; 0;40980
22; 4352.8; 31-DEC-2009 23:57:56; Bright; 62.0; 180; 27Gam Boo ; 3.04; 8000;occ; 124; 0;40980
23; 4573.9; 01-JAN-2010 00:01:37; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;40980
24; 4770.4; 01-JAN-2010 00:04:53; Bright; 55.0; 3; 16Alp Boo ; -0.05; 4250;occ; 110; 0;40980
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7; 2410.4; 31-DEC-2009 08:20:10; Bright; 46.5; 170; 27Eps Gem ; 3.00; 9700;occ; 93; 0;40971
8; 2569.7; 31-DEC-2009 08:22:49; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;40971
9; 2693.4; 31-DEC-2009 08:24:53; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;40971
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16; 5190.0; 31-DEC-2009 09:06:29; Bright; 55.0; 104; 27Bet Lib ; 2.61; 13100;occ; 110; 0;40971
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19; 5926.9; 31-DEC-2009 09:18:46; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;40971
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22; 6504.2; 31-DEC-2009 09:28:24; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;40971
23; 6661.6; 31-DEC-2009 09:31:01; Dark ; 48.5; 71; Iot Car ; 2.25; 7700;occ; 97; 0;40971
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26; 7374.4; 31-DEC-2009 11:23:30; Dark ; 45.0; 23; 21Eps CMa ; 1.50; 26000;occ; 90; 0;40972
27; 7467.5; 31-DEC-2009 11:25:03; Dark ; 45.5; 179; 24Omi2CMa ; 3.03; 24000;occ; 91; 0;40972
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27; 7374.9; 31-DEC-2009 13:04:06; Dark ; 45.5; 23; 21Eps CMa ; 1.50; 26000;occ; 91; 0;40973
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 22; 6663.2; 31-DEC-2009 14:32:50; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40974  
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