

# GOMOS Daily Report 29-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	01JAN2010 05:11:36
Data source version	GOMOS/5.00L04
Start time of products	29DEC2009 00:05:53
Stop time of products	29DEC2009 23:58:51
Store outputs in DB	Yes
Nb of level 1b prods	165
Nb of prods with errors	2

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

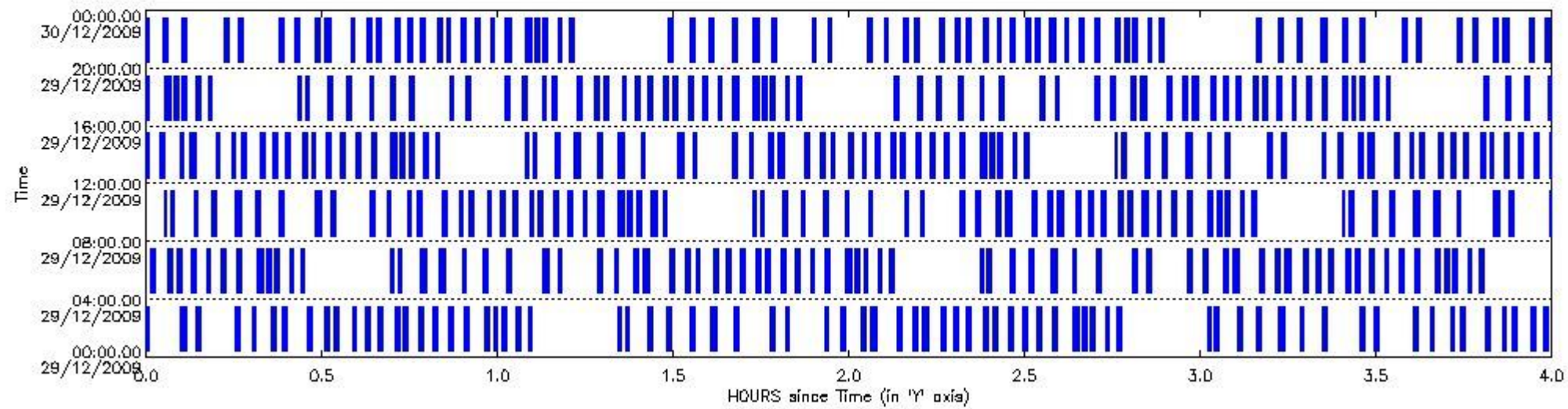
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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)

No missing products.

### 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_1PNPDE20091229_000553_000000542085_00302_40937_1245.N1	29-DEC-2009 00:05:53	Bright	54.000	104	27Bet Lib	2.6140	13100.	108	40937	No
2	GOM_TRA_1PNPDE20091229_000827_000000422085_00302_40937_1233.N1	29-DEC-2009 00:08:27	Twilight_and_stray	42.000	122	9Alp2Lib	2.7470	9700.0	84	40937	No
3	GOM_TRA_1PNPDE20091229_001515_000000492085_00302_40937_1234.N1	29-DEC-2009 00:15:15	Dark	48.500	54	5The Cen	2.0550	4500.0	97	40937	No
4	GOM_TRA_1PNPDE20091229_001804_000000402085_00302_40937_1235.N1	29-DEC-2009 00:18:04	Dark	39.500	95	Zet Cen	2.5450	26000.	79	40937	No
5	GOM_TRA_1PNPDE20091229_002125_000000442085_00303_40938_1236.N1	29-DEC-2009 00:21:25	Dark	44.000	64	Gam Cen	2.2000	10600.	88	40938	No
6	GOM_TRA_1PNPDE20091229_002731_000000482085_00303_40938_1237.N1	29-DEC-2009 00:27:31	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	40938	No
7	GOM_TRA_1PNPDE20091229_003020_000000472085_00303_40938_1238.N1	29-DEC-2009 00:30:20	Dark	46.500	71	Iot Car	2.2460	7700.0	93	40938	No
8	GOM_TRA_1PNPDE20091229_003200_000000472085_00303_40938_1239.N1	29-DEC-2009 00:32:00	Dark	47.000	41	Eps Car	1.8600	4100.0	94	40938	No
9	GOM_TRA_1PNPDE20091229_003507_000000462085_00303_40938_1240.N1	29-DEC-2009 00:35:07	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	40938	No
10	GOM_TRA_1PNPDE20091229_003719_000000482085_00303_40938_1241.N1	29-DEC-2009 00:37:19	Dark	48.000	70	Zet Pup	2.2460	39000.	96	40938	No
11	GOM_TRA_1PNPDE20091229_003929_000000502085_00303_40938_1242.N1	29-DEC-2009 00:39:29	Dark	49.500	117	Pi Pup	2.7060	3800.0	99	40938	No
12	GOM_TRA_1PNPDE20091229_004222_000000492085_00303_40938_1243.N1	29-DEC-2009 00:42:22	Straylight	49.000	23	21Eps CMa	1.5020	26000.	98	40938	No

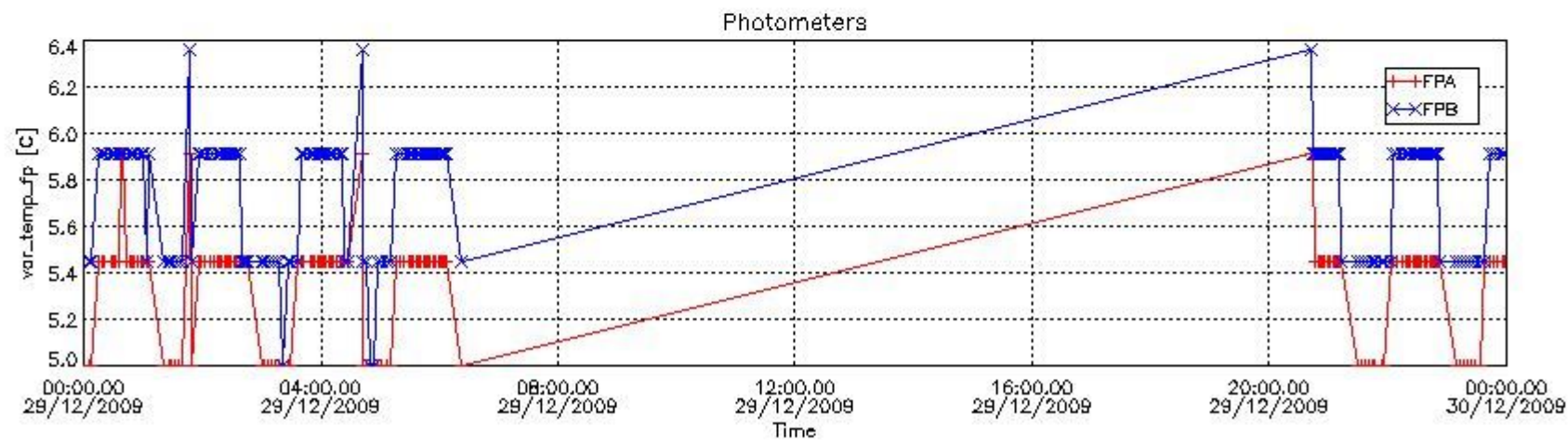
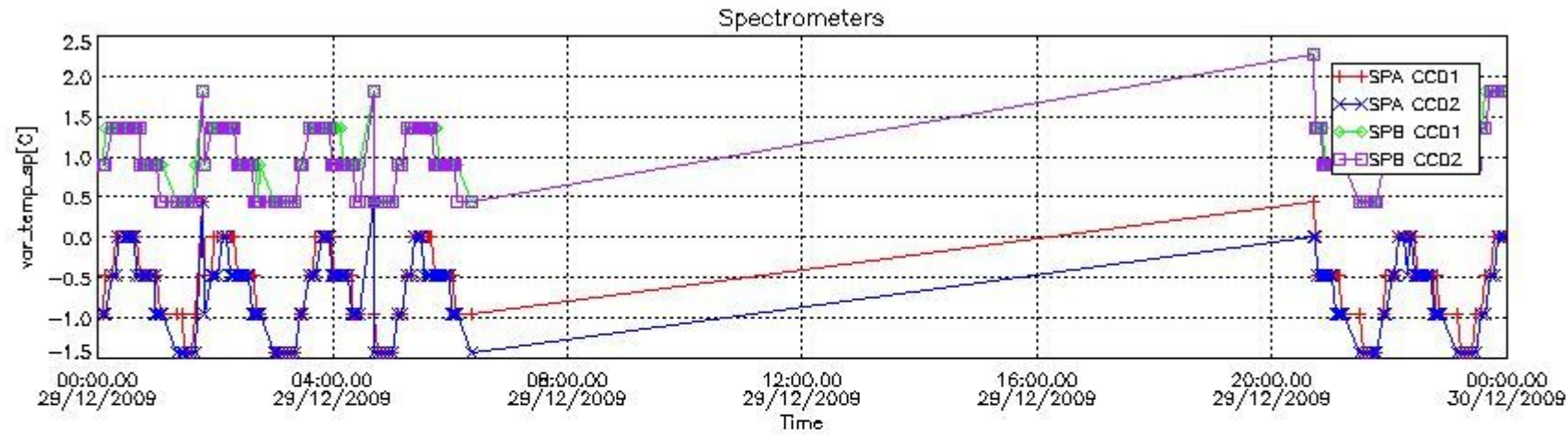
13	GOM_TRA_1PNPDE20091229_004357_000000462085_00303_40938_1244.N1	29-DEC-2009 00:43:57	Straylight	45.500	179	24Omi2CMa	3.0320	24000.	91	40938	No
14	GOM_TRA_1PNPDE20091229_004630_000000522085_00303_40938_1245.N1	29-DEC-2009 00:46:30	Straylight	51.500	1	9Alp CMa	-1.4400	11000.	103	40938	No
15	GOM_TRA_1PNPDE20091229_004901_000000442085_00303_40938_1246.N1	29-DEC-2009 00:49:01	Straylight	43.500	56	53Kap Ori	2.0650	30000.	87	40938	No
16	GOM_TRA_1PNPDE20091229_005133_000000442085_00303_40938_1247.N1	29-DEC-2009 00:51:33	Straylight	44.000	30	46Eps Ori	1.6940	30000.	88	40938	No
17	GOM_TRA_1PNPDE20091229_005409_000000572085_00303_40938_1248.N1	29-DEC-2009 00:54:09	Tw_i_and_stray	56.500	14	58Alp Ori	0.87000	3000.0	113	40938	No
18	GOM_TRA_1PNPDE20091229_005739_000000532085_00303_40938_1249.N1	29-DEC-2009 00:57:39	Bright	53.000	44	24Gam Gem	1.9280	11000.	106	40938	No
19	GOM_TRA_1PNPDE20091229_005915_000000472085_00303_40938_1250.N1	29-DEC-2009 00:59:15	Bright	46.500	151	13Mu Gem	2.8900	3000.0	93	40938	No
20	GOM_TRA_1PNPDE20091229_010041_000000482085_00303_40938_1251.N1	29-DEC-2009 01:00:41	Bright	48.000	170	27Eps Gem	3.0000	9700.0	96	40938	No
21	GOM_TRA_1PNPDE20091229_010312_000000402085_00303_40938_1252.N1	29-DEC-2009 01:03:12	Bright	40.000	107	37The Aur	2.6490	11000.	80	40938	No
22	GOM_TRA_1PNPDE20091229_010511_000000402085_00303_40938_1253.N1	29-DEC-2009 01:05:11	Bright	39.500	6	13Alp Aur	0.080000	3400.0	79	40938	No
23	GOM_TRA_1PNPDE20091229_012037_000000292085_00303_40938_1254.N1	29-DEC-2009 01:20:37	Tw_i_and_stray	29.000	36	50Alp UMa	1.8000	6300.0	58	40938	No
24	GOM_TRA_1PNPDE20091229_012148_000000402085_00303_40938_1255.N1	29-DEC-2009 01:21:48	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	40938	No
25	GOM_TRA_1PNPDE20091229_012542_000000482085_00303_40938_1256.N1	29-DEC-2009 01:25:42	Bright	48.000	32	77Eps UMa	1.7630	11000.	96	40938	No
26	GOM_TRA_1PNPDE20091229_012850_000000452085_00303_40938_1257.N1	29-DEC-2009 01:28:50	Bright	45.000	39	85Eta UMa	1.8540	24000.	90	40938	No
27	GOM_TRA_1PNPDE20091229_013245_000000472085_00303_40938_1258.N1	29-DEC-2009 01:32:45	Bright	47.000	180	27Gam Boo	3.0400	8000.0	94	40938	No
28	GOM_TRA_1PNPDE20091229_013619_000000602085_00303_40938_1259.N1	29-DEC-2009 01:36:19	Bright	60.000	83		2.3780	11000.	120	40938	No
29	GOM_TRA_1PNPDE20091229_014017_000000592085_00303_40938_1260.N1	29-DEC-2009 01:40:17	Bright	59.000	111	8Eta Boo	2.6800	6000.0	118	40938	No
30	GOM_TRA_1PNPDE20091229_014630_000000542085_00303_40938_1251.N1	29-DEC-2009 01:46:30	Bright	54.000	104	27Bet Lib	2.6140	13100.	108	40938	Yes
31	GOM_TRA_1PNPDE20091229_014903_000000432085_00303_40938_1252.N1	29-DEC-2009 01:49:03	Tw_i_and_stray	43.000	122	9Alp2Lib	2.7470	9700.0	86	40938	No
32	GOM_TRA_1PNPDE20091229_015551_000000422085_00303_40938_1253.N1	29-DEC-2009 01:55:51	Dark	41.500	54	5The Cen	2.0550	4500.0	83	40938	No
33	GOM_TRA_1PNPDE20091229_015841_000000412085_00303_40938_1254.N1	29-DEC-2009 01:58:41	Dark	40.500	95	Zet Cen	2.5450	26000.	81	40938	No
34	GOM_TRA_1PNPDE20091229_020202_000000442085_00304_40939_1255.N1	29-DEC-2009 02:02:02	Dark	44.000	64	Gam Cen	2.2000	10600.	88	40939	No
35	GOM_TRA_1PNPDE20091229_020808_000000512085_00304_40939_1256.N1	29-DEC-2009 02:08:08	Dark	50.500	113	Mu Vel	2.6920	5000.0	101	40939	No
36	GOM_TRA_1PNPDE20091229_021057_000000422085_00304_40939_1257.N1	29-DEC-2009 02:10:57	Dark	41.500	71	lot Car	2.2460	7700.0	83	40939	No
37	GOM_TRA_1PNPDE20091229_021236_000000542085_00304_40939_1258.N1	29-DEC-2009 02:12:36	Dark	53.500	41	Eps Car	1.8600	4100.0	107	40939	No
38	GOM_TRA_1PNPDE20091229_021543_000000472085_00304_40939_1259.N1	29-DEC-2009 02:15:43	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	40939	No
39	GOM_TRA_1PNPDE20091229_021755_000000462085_00304_40939_1260.N1	29-DEC-2009 02:17:55	Dark	46.000	70	Zet Pup	2.2460	39000.	92	40939	No
40	GOM_TRA_1PNPDE20091229_022006_000000492085_00304_40939_1261.N1	29-DEC-2009 02:20:06	Dark	48.500	117	Pi Pup	2.7060	3800.0	97	40939	No
41	GOM_TRA_1PNPDE20091229_022258_000000482085_00304_40939_1262.N1	29-DEC-2009 02:22:58	Straylight	48.000	23	21Eps CMa	1.5020	26000.	96	40939	No
42	GOM_TRA_1PNPDE20091229_022433_000000442085_00304_40939_1263.N1	29-DEC-2009 02:24:33	Straylight	44.000	179	24Omi2CMa	3.0320	24000.	88	40939	No
43	GOM_TRA_1PNPDE20091229_022706_000000512085_00304_40939_1264.N1	29-DEC-2009 02:27:06	Straylight	50.500	1	9Alp CMa	-1.4400	11000.	101	40939	No
44	GOM_TRA_1PNPDE20091229_022937_000000442085_00304_40939_1265.N1	29-DEC-2009 02:29:37	Straylight	43.500	56	53Kap Ori	2.0650	30000.	87	40939	No
45	GOM_TRA_1PNPDE20091229_023209_000000442085_00304_40939_1266.N1	29-DEC-2009 02:32:09	Straylight	44.000	30	46Eps Ori	1.6940	30000.	88	40939	No
46	GOM_TRA_1PNPDE20091229_023445_000000552085_00304_40939_1267.N1	29-DEC-2009 02:34:45	Tw_i_and_stray	55.000	14	58Alp Ori	0.87000	3000.0	110	40939	No
47	GOM_TRA_1PNPDE20091229_023815_000000652085_00304_40939_1268.N1	29-DEC-2009 02:38:15	Bright	65.000	44	24Gam Gem	1.9280	11000.	130	40939	No
48	GOM_TRA_1PNPDE20091229_023951_000000482085_00304_40939_1269.N1	29-DEC-2009 02:39:51	Bright	48.000	151	13Mu Gem	2.8900	3000.0	96	40939	No
49	GOM_TRA_1PNPDE20091229_024116_000000492085_00304_40939_1270.N1	29-DEC-2009 02:41:16	Bright	49.000	170	27Eps Gem	3.0000	9700.0	98	40939	No
50	GOM_TRA_1PNPDE20091229_024348_000000392085_00304_40939_1271.N1	29-DEC-2009 02:43:48	Bright	39.000	107	37The Aur	2.6490	11000.	78	40939	No
51	GOM_TRA_1PNPDE20091229_024546_000000412085_00304_40939_1272.N1	29-DEC-2009 02:45:46	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	40939	No
52	GOM_TRA_1PNPDE20091229_030113_000000292085_00304_40939_1273.N1	29-DEC-2009 03:01:13	Tw_i_and_stray	29.000	36	50Alp UMa	1.8000	6300.0	58	40939	No
53	GOM_TRA_1PNPDE20091229_030224_000000452085_00304_40939_1274.N1	29-DEC-2009 03:02:24	Bright	44.500	60	7Bet UMi	2.0810	3950.0	89	40939	No
54	GOM_TRA_1PNPDE20091229_030617_000000492085_00304_40939_1279.N1	29-DEC-2009 03:06:17	Bright	48.500	32	77Eps UMa	1.7630	11000.	97	40939	No
55	GOM_TRA_1PNPDE20091229_030926_000000482085_00304_40939_1280.N1	29-DEC-2009 03:09:26	Bright	47.500	39	85Eta UMa	1.8540	24000.	95	40939	No
56	GOM_TRA_1PNPDE20091229_031320_000000602085_00304_40939_1281.N1	29-DEC-2009 03:13:20	Bright	60.000	180	27Gam Boo	3.0400	8000.0	120	40939	No
57	GOM_TRA_1PNPDE20091229_031655_000000402085_00304_40939_1282.N1	29-DEC-2009 03:16:55	Bright	39.500	83		2.3780	11000.	79	40939	No
58	GOM_TRA_1PNPDE20091229_032053_000000512085_00304_40939_1283.N1	29-DEC-2009 03:20:53	Bright	51.000	111	8Eta Boo	2.6800	6000.0	102	40939	No
59	GOM_TRA_1PNPDE20091229_032706_000000542085_00304_40939_1284.N1	29-DEC-2009 03:27:06	Bright	54.000	104	27Bet Lib	2.6140	13100.	108	40939	No
60	GOM_TRA_1PNPDE20091229_032940_000000452085_00304_40939_1285.N1	29-DEC-2009 03:29:40	Tw_i_and_stray	44.500	122	9Alp2Lib	2.7470	9700.0	89	40939	No
61	GOM_TRA_1PNPDE20091229_033628_000000492085_00304_40939_1286.N1	29-DEC-2009 03:36:28	Dark	49.000	54	5The Cen	2.0550	4500.0	98	40939	No
62	GOM_TRA_1PNPDE20091229_033917_000000402085_00304_40939_1287.N1	29-DEC-2009 03:39:17	Dark	39.500	95	Zet Cen	2.5450	26000.	79	40939	No
63	GOM_TRA_1PNPDE20091229_034239_000000452085_00305_40940_1288.N1	29-DEC-2009 03:42:39	Dark	44.500	64	Gam Cen	2.2000	10600.	89	40940	No
64	GOM_TRA_1PNPDE20091229_034845_000000452085_00305_40940_1289.N1	29-DEC-2009 03:48:45	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	40940	No
65	GOM_TRA_1PNPDE20091229_035133_000000412085_00305_40940_1290.N1	29-DEC-2009 03:51:33	Dark	40.500	71	lot Car	2.2460	7700.0	81	40940	No
66	GOM_TRA_1PNPDE20091229_035312_000000542085_00305_40940_1291.N1	29-DEC-2009 03:53:12	Dark	54.000	41	Eps Car	1.8600	4100.0	108	40940	No
67	GOM_TRA_1PNPDE20091229_035620_000000492085_00305_40940_1292.N1	29-DEC-2009 03:56:20	Dark	49.000	34	Gam2Vel	1.7930	23000.	98	40940	No
68	GOM_TRA_1PNPDE20091229_035832_000000502085_00305_40940_1293.N1	29-DEC-2009 03:58:32	Dark	50.000	70	Zet Pup	2.2460	39000.	100	40940	No
69	GOM_TRA_1PNPDE20091229_040042_000000512085_00305_40940_1294.N1	29-DEC-2009 04:00:42	Dark	50.500	117	Pi Pup	2.7060	3800.0	101	40940	No
70	GOM_TRA_1PNPDE20091229_040335_000000492085_00305_40940_1295.N1	29-DEC-2009 04:03:35	Straylight	49.000	23	21Eps CMa	1.5020	26000.	98	40940	No
71	GOM_TRA_1PNPDE20091229_040509_000000482085_00305_40940_1296.N1	29-DEC-2009 04:05:09	Straylight	47.500	179	24Omi2CMa	3.0320	24000.	95	40940	No



72	GOM_TRA_1PNPDE20091229_040742_000000522085_00305_40940_1297.N1	29-DEC-2009 04:07:42	Straylight	52.000	1	9Alp CMa	-1.4400	11000.	104	40940	No
73	GOM_TRA_1PNPDE20091229_041013_000000432085_00305_40940_1298.N1	29-DEC-2009 04:10:13	Straylight	42.500	56	53Kap Ori	2.0650	30000.	85	40940	No
74	GOM_TRA_1PNPDE20091229_041245_000000442085_00305_40940_1299.N1	29-DEC-2009 04:12:45	Straylight	43.500	30	46Eps Ori	1.6940	30000.	87	40940	No
75	GOM_TRA_1PNPDE20091229_041521_000000562085_00305_40940_1300.N1	29-DEC-2009 04:15:21	Tw_i_and_stray	56.000	14	58Alp Ori	0.87000	3000.0	112	40940	No
76	GOM_TRA_1PNPDE20091229_041850_000000632085_00305_40940_1301.N1	29-DEC-2009 04:18:50	Bright	63.000	44	24Gam Gem	1.9280	11000.	126	40940	No
77	GOM_TRA_1PNPDE20091229_042027_000000512085_00305_40940_1302.N1	29-DEC-2009 04:20:27	Bright	50.500	151	13Mu Gem	2.8900	3000.0	101	40940	No
78	GOM_TRA_1PNPDE20091229_042151_000000492085_00305_40940_1303.N1	29-DEC-2009 04:21:51	Bright	48.500	170	27Eps Gem	3.0000	9700.0	97	40940	No
79	GOM_TRA_1PNPDE20091229_042424_000000392085_00305_40940_1304.N1	29-DEC-2009 04:24:24	Bright	39.000	107	37The Aur	2.6490	11000.	78	40940	No
80	GOM_TRA_1PNPDE20091229_042622_000000402085_00305_40940_1305.N1	29-DEC-2009 04:26:22	Bright	39.500	6	13Alp Aur	0.080000	3400.0	79	40940	No
81	GOM_TRA_1PNPDE20091229_044148_000000282085_00305_40940_1303.N1	29-DEC-2009 04:41:48	Tw_i_and_stray	28.000	36	50Alp UMa	1.8000	6300.0	56	40940	Yes
82	GOM_TRA_1PNPDE20091229_044300_000000342085_00305_40940_1304.N1	29-DEC-2009 04:43:00	Bright	33.500	60	7Bet UMi	2.0810	3950.0	67	40940	No
83	GOM_TRA_1PNPDE20091229_044653_000000512085_00305_40940_1305.N1	29-DEC-2009 04:46:53	Bright	51.000	32	77Eps UMa	1.7630	11000.	102	40940	No
84	GOM_TRA_1PNPDE20091229_045002_000000642085_00305_40940_1306.N1	29-DEC-2009 04:50:02	Bright	64.000	39	85Eta UMa	1.8540	24000.	128	40940	No
85	GOM_TRA_1PNPDE20091229_045357_000000382085_00305_40940_1307.N1	29-DEC-2009 04:53:57	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	40940	No
86	GOM_TRA_1PNPDE20091229_045731_000000422085_00305_40940_1308.N1	29-DEC-2009 04:57:31	Bright	41.500	83		2.3780	11000.	83	40940	No
87	GOM_TRA_1PNPDE20091229_050130_000000512085_00305_40940_1309.N1	29-DEC-2009 05:01:30	Bright	51.000	111	8Eta Boo	2.6800	6000.0	102	40940	No
88	GOM_TRA_1PNPDE20091229_050743_000000542085_00305_40940_1310.N1	29-DEC-2009 05:07:43	Bright	54.000	104	27Bet Lib	2.6140	13100.	108	40940	No
89	GOM_TRA_1PNPDE20091229_051017_000000422085_00305_40940_1311.N1	29-DEC-2009 05:10:17	Tw_i_and_stray	42.000	122	9Alp2Lib	2.7470	9700.0	84	40940	No
90	GOM_TRA_1PNPDE20091229_051704_000000462085_00305_40940_1312.N1	29-DEC-2009 05:17:04	Dark	46.000	54	5The Cen	2.0550	4500.0	92	40940	No
91	GOM_TRA_1PNPDE20091229_051954_000000382085_00305_40940_1313.N1	29-DEC-2009 05:19:54	Dark	37.500	95	Zet Cen	2.5450	26000.	75	40940	No
92	GOM_TRA_1PNPDE20091229_052316_000000432085_00306_40941_1314.N1	29-DEC-2009 05:23:16	Dark	42.500	64	Gam Cen	2.2000	10600.	85	40941	No
93	GOM_TRA_1PNPDE20091229_052922_000000472085_00306_40941_1315.N1	29-DEC-2009 05:29:22	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	40941	No
94	GOM_TRA_1PNPDE20091229_053210_000000402085_00306_40941_1316.N1	29-DEC-2009 05:32:10	Dark	39.500	71	lot Car	2.2460	7700.0	79	40941	No
95	GOM_TRA_1PNPDE20091229_053349_000000462085_00306_40941_1317.N1	29-DEC-2009 05:33:49	Dark	46.000	41	Eps Car	1.8600	4100.0	92	40941	No
96	GOM_TRA_1PNPDE20091229_053656_000000452085_00306_40941_1318.N1	29-DEC-2009 05:36:56	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	40941	No
97	GOM_TRA_1PNPDE20091229_053908_000000482085_00306_40941_1319.N1	29-DEC-2009 05:39:08	Dark	48.000	70	Zet Pup	2.2460	39000.	96	40941	No
98	GOM_TRA_1PNPDE20091229_054119_000000492085_00306_40941_1320.N1	29-DEC-2009 05:41:19	Dark	48.500	117	Pi Pup	2.7060	3800.0	97	40941	No
99	GOM_TRA_1PNPDE20091229_054411_000000462085_00306_40941_1321.N1	29-DEC-2009 05:44:11	Straylight	46.000	23	21Eps CMa	1.5020	26000.	92	40941	No
100	GOM_TRA_1PNPDE20091229_054546_000000472085_00306_40941_1322.N1	29-DEC-2009 05:45:46	Straylight	46.500	179	24Omi2CMa	3.0320	24000.	93	40941	No
101	GOM_TRA_1PNPDE20091229_054818_000000522085_00306_40941_1323.N1	29-DEC-2009 05:48:18	Straylight	52.000	1	9Alp CMa	-1.4400	11000.	104	40941	No
102	GOM_TRA_1PNPDE20091229_055049_000000412085_00306_40941_1324.N1	29-DEC-2009 05:50:49	Straylight	41.000	56	53Kap Ori	2.0650	30000.	82	40941	No
103	GOM_TRA_1PNPDE20091229_055321_000000452085_00306_40941_1325.N1	29-DEC-2009 05:53:21	Straylight	44.500	30	46Eps Ori	1.6940	30000.	89	40941	No
104	GOM_TRA_1PNPDE20091229_055557_000000522085_00306_40941_1326.N1	29-DEC-2009 05:55:57	Tw_i_and_stray	51.500	14	58Alp Ori	0.87000	3000.0	103	40941	No
105	GOM_TRA_1PNPDE20091229_055926_000000572085_00306_40941_1327.N1	29-DEC-2009 05:59:26	Bright	56.500	44	24Gam Gem	1.9280	11000.	113	40941	No
106	GOM_TRA_1PNPDE20091229_060103_000000492085_00306_40941_1328.N1	29-DEC-2009 06:01:03	Bright	49.000	151	13Mu Gem	2.8900	3000.0	98	40941	No
107	GOM_TRA_1PNPDE20091229_060227_000000482085_00306_40941_1329.N1	29-DEC-2009 06:02:27	Bright	48.000	170	27Eps Gem	3.0000	9700.0	96	40941	No
108	GOM_TRA_1PNPDE20091229_060500_000000392085_00306_40941_1330.N1	29-DEC-2009 06:05:00	Bright	39.000	107	37The Aur	2.6490	11000.	78	40941	No
109	GOM_TRA_1PNPDE20091229_060658_000000432085_00306_40941_1331.N1	29-DEC-2009 06:06:58	Bright	43.000	6	13Alp Aur	0.080000	3400.0	86	40941	No
110	GOM_TRA_1PNPDE20091229_062223_000000282085_00306_40941_1332.N1	29-DEC-2009 06:22:23	Tw_i_and_stray	27.500	36	50Alp UMa	1.8000	6300.0	55	40941	No
111	GOM_TRA_1PNPDE20091229_204225_000000462085_00315_40950_1390.N1	29-DEC-2009 20:42:25	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	40950	No
112	GOM_TRA_1PNPDE20091229_204437_000000462085_00315_40950_1391.N1	29-DEC-2009 20:44:37	Dark	45.500	70	Zet Pup	2.2460	39000.	91	40950	No
113	GOM_TRA_1PNPDE20091229_204646_000000482085_00315_40950_1392.N1	29-DEC-2009 20:46:46	Dark	48.000	117	Pi Pup	2.7060	3800.0	96	40950	No
114	GOM_TRA_1PNPDE20091229_204937_000000482085_00315_40950_1393.N1	29-DEC-2009 20:49:37	Straylight	48.000	23	21Eps CMa	1.5020	26000.	96	40950	No
115	GOM_TRA_1PNPDE20091229_205111_000000462085_00315_40950_1394.N1	29-DEC-2009 20:51:11	Straylight	45.500	179	24Omi2CMa	3.0320	24000.	91	40950	No
116	GOM_TRA_1PNPDE20091229_205342_000000512085_00315_40950_1395.N1	29-DEC-2009 20:53:42	Straylight	50.500	1	9Alp CMa	-1.4400	11000.	101	40950	No
117	GOM_TRA_1PNPDE20091229_205613_000000432085_00315_40950_1396.N1	29-DEC-2009 20:56:13	Straylight	42.500	56	53Kap Ori	2.0650	30000.	85	40950	No
118	GOM_TRA_1PNPDE20091229_205845_000000442085_00315_40950_1397.N1	29-DEC-2009 20:58:45	Straylight	44.000	30	46Eps Ori	1.6940	30000.	88	40950	No
119	GOM_TRA_1PNPDE20091229_210120_000000522085_00315_40950_1398.N1	29-DEC-2009 21:01:20	Tw_i_and_stray	51.500	14	58Alp Ori	0.87000	3000.0	103	40950	No
120	GOM_TRA_1PNPDE20091229_210446_000000542085_00315_40950_1399.N1	29-DEC-2009 21:04:46	Bright	54.000	44	24Gam Gem	1.9280	11000.	108	40950	No
121	GOM_TRA_1PNPDE20091229_210623_000000512085_00315_40950_1400.N1	29-DEC-2009 21:06:23	Bright	51.000	151	13Mu Gem	2.8900	3000.0	102	40950	No
122	GOM_TRA_1PNPDE20091229_210746_000000492085_00315_40950_1401.N1	29-DEC-2009 21:07:46	Bright	48.500	170	27Eps Gem	3.0000	9700.0	97	40950	No
123	GOM_TRA_1PNPDE20091229_211020_000000402085_00315_40950_1402.N1	29-DEC-2009 21:10:20	Bright	40.000	107	37The Aur	2.6490	11000.	80	40950	No
124	GOM_TRA_1PNPDE20091229_211220_000000442085_00315_40950_1403.N1	29-DEC-2009 21:12:20	Bright	43.500	6	13Alp Aur	0.080000	3400.0	87	40950	No
125	GOM_TRA_1PNPDE20091229_212859_000000542085_00315_40950_1404.N1	29-DEC-2009 21:28:59	Bright	54.000	60	7Bet UMi	2.0810	3950.0	108	40950	No
126	GOM_TRA_1PNPDE20091229_213249_000000492085_00315_40950_1405.N1	29-DEC-2009 21:32:49	Bright	49.000	32	77Eps UMa	1.7630	11000.	98	40950	No
127	GOM_TRA_1PNPDE20091229_213600_000000462085_00315_40950_1406.N1	29-DEC-2009 21:36:00	Bright	45.500	39	85Eta UMa	1.8540	24000.	91	40950	No
128	GOM_TRA_1PNPDE20091229_213956_000000612085_00315_40950_1407.N1	29-DEC-2009 21:39:56	Bright	61.000	180	27Gam Boo	3.0400	8000.0	122	40950	No
129	GOM_TRA_1PNPDE20091229_214333_000000602085_00315_40950_1408.N1	29-DEC-2009 21:43:33	Bright	60.000	83		2.3780	11000.	120	40950	No
130	GOM_TRA_1PNPDE20091229_214643_000000512085_00315_40950_1409.N1	29-DEC-2009 21:46:43	Bright	51.000	3	16Alp Boo	-0.050000	4250.0	102	40950	No

131	GOM_TRA_1PNPDE20091229_215346_000000352085_00315_40950_1410.N1	29-DEC-2009 21:53:46	Bright	34.500	104	27Bet Lib	2.6140	13100.	69	40950	No
132	GOM_TRA_1PNPDE20091229_215621_000000452085_00315_40950_1412.N1	29-DEC-2009 21:56:21	Twilight	44.500	122	9Alp2Lib	2.7470	9700.0	89	40950	No
133	GOM_TRA_1PNPDE20091229_220311_000000462085_00315_40950_1413.N1	29-DEC-2009 22:03:11	Dark	45.500	54	5The Cen	2.0550	4500.0	91	40950	No
134	GOM_TRA_1PNPDE20091229_220559_000000432085_00315_40950_1414.N1	29-DEC-2009 22:05:59	Dark	42.500	95	Zet Cen	2.5450	26000.	85	40950	No
135	GOM_TRA_1PNPDE20091229_220923_000000432085_00316_40951_1415.N1	29-DEC-2009 22:09:23	Dark	43.000	64	Gam Cen	2.2000	10600.	86	40951	No
136	GOM_TRA_1PNPDE20091229_221530_000000472085_00316_40951_1416.N1	29-DEC-2009 22:15:30	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	40951	No
137	GOM_TRA_1PNPDE20091229_221815_000000402085_00316_40951_1417.N1	29-DEC-2009 22:18:15	Dark	39.500	71	lot Car	2.2460	7700.0	79	40951	No
138	GOM_TRA_1PNPDE20091229_221953_000000522085_00316_40951_1418.N1	29-DEC-2009 22:19:53	Dark	51.500	41	Eps Car	1.8600	4100.0	103	40951	No
139	GOM_TRA_1PNPDE20091229_222301_000000462085_00316_40951_1419.N1	29-DEC-2009 22:23:01	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	40951	No
140	GOM_TRA_1PNPDE20091229_222513_000000452085_00316_40951_1420.N1	29-DEC-2009 22:25:13	Dark	44.500	70	Zet Pup	2.2460	39000.	89	40951	No
141	GOM_TRA_1PNPDE20091229_222722_000000502085_00316_40951_1421.N1	29-DEC-2009 22:27:22	Dark	49.500	117	Pi Pup	2.7060	3800.0	99	40951	No
142	GOM_TRA_1PNPDE20091229_223013_000000482085_00316_40951_1422.N1	29-DEC-2009 22:30:13	Straylight	47.500	23	21Eps CMa	1.5020	26000.	95	40951	No
143	GOM_TRA_1PNPDE20091229_223147_000000452085_00316_40951_1423.N1	29-DEC-2009 22:31:47	Straylight	45.000	179	24Omi2CMa	3.0320	24000.	90	40951	No
144	GOM_TRA_1PNPDE20091229_223419_000000522085_00316_40951_1424.N1	29-DEC-2009 22:34:19	Straylight	52.000	1	9Alp CMa	-1.4400	11000.	104	40951	No
145	GOM_TRA_1PNPDE20091229_223649_000000432085_00316_40951_1425.N1	29-DEC-2009 22:36:49	Straylight	42.500	56	53Kap Ori	2.0650	30000.	85	40951	No
146	GOM_TRA_1PNPDE20091229_223921_000000442085_00316_40951_1426.N1	29-DEC-2009 22:39:21	Straylight	43.500	30	46Eps Ori	1.6940	30000.	87	40951	No
147	GOM_TRA_1PNPDE20091229_224156_000000512085_00316_40951_1427.N1	29-DEC-2009 22:41:56	Twilight	50.500	14	58Alp Ori	0.87000	3000.0	101	40951	No
148	GOM_TRA_1PNPDE20091229_224521_000000522085_00316_40951_1428.N1	29-DEC-2009 22:45:21	Bright	52.000	44	24Gam Gem	1.9280	11000.	104	40951	No
149	GOM_TRA_1PNPDE20091229_224658_000000512085_00316_40951_1429.N1	29-DEC-2009 22:46:58	Bright	51.000	151	13Mu Gem	2.8900	3000.0	102	40951	No
150	GOM_TRA_1PNPDE20091229_224821_000000472085_00316_40951_1430.N1	29-DEC-2009 22:48:21	Bright	47.000	170	27Eps Gem	3.0000	9700.0	94	40951	No
151	GOM_TRA_1PNPDE20091229_225056_000000392085_00316_40951_1431.N1	29-DEC-2009 22:50:56	Bright	39.000	107	37The Aur	2.6490	11000.	78	40951	No
152	GOM_TRA_1PNPDE20091229_225256_000000422085_00316_40951_1432.N1	29-DEC-2009 22:52:56	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	40951	No
153	GOM_TRA_1PNPDE20091229_230935_000000402085_00316_40951_1433.N1	29-DEC-2009 23:09:35	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	40951	No
154	GOM_TRA_1PNPDE20091229_231324_000000502085_00316_40951_1434.N1	29-DEC-2009 23:13:24	Bright	49.500	32	77Eps UMa	1.7630	11000.	99	40951	No
155	GOM_TRA_1PNPDE20091229_231635_000000442085_00316_40951_1435.N1	29-DEC-2009 23:16:35	Bright	43.500	39	85Eta UMa	1.8540	24000.	87	40951	No
156	GOM_TRA_1PNPDE20091229_232033_000000612085_00316_40951_1436.N1	29-DEC-2009 23:20:33	Bright	61.000	180	27Gam Boo	3.0400	8000.0	122	40951	No
157	GOM_TRA_1PNPDE20091229_232409_000000602085_00316_40951_1437.N1	29-DEC-2009 23:24:09	Bright	60.000	83		2.3780	11000.	120	40951	No
158	GOM_TRA_1PNPDE20091229_232719_000000512085_00316_40951_1438.N1	29-DEC-2009 23:27:19	Bright	51.000	3	16Alp Boo	-0.050000	4250.0	102	40951	No
159	GOM_TRA_1PNPDE20091229_233422_000000552085_00316_40951_1439.N1	29-DEC-2009 23:34:22	Bright	55.000	104	27Bet Lib	2.6140	13100.	110	40951	No
160	GOM_TRA_1PNPDE20091229_233658_000000442085_00316_40951_1430.N1	29-DEC-2009 23:36:58	Twilight	44.000	122	9Alp2Lib	2.7470	9700.0	88	40951	No
161	GOM_TRA_1PNPDE20091229_234347_000000462085_00316_40951_1431.N1	29-DEC-2009 23:43:47	Dark	46.000	54	5The Cen	2.0550	4500.0	92	40951	No
162	GOM_TRA_1PNPDE20091229_234636_000000402085_00316_40951_1432.N1	29-DEC-2009 23:46:36	Dark	39.500	95	Zet Cen	2.5450	26000.	79	40951	No
163	GOM_TRA_1PNPDE20091229_235000_000000422085_00317_40952_1433.N1	29-DEC-2009 23:50:00	Dark	42.000	64	Gam Cen	2.2000	10600.	84	40952	No
164	GOM_TRA_1PNPDE20091229_235607_000000482085_00317_40952_1434.N1	29-DEC-2009 23:56:07	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	40952	No
165	GOM_TRA_1PNPDE20091229_235851_000000442085_00317_40952_1435.N1	29-DEC-2009 23:58:51	Dark	43.500	71	lot Car	2.2460	7700.0	87	40952	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.

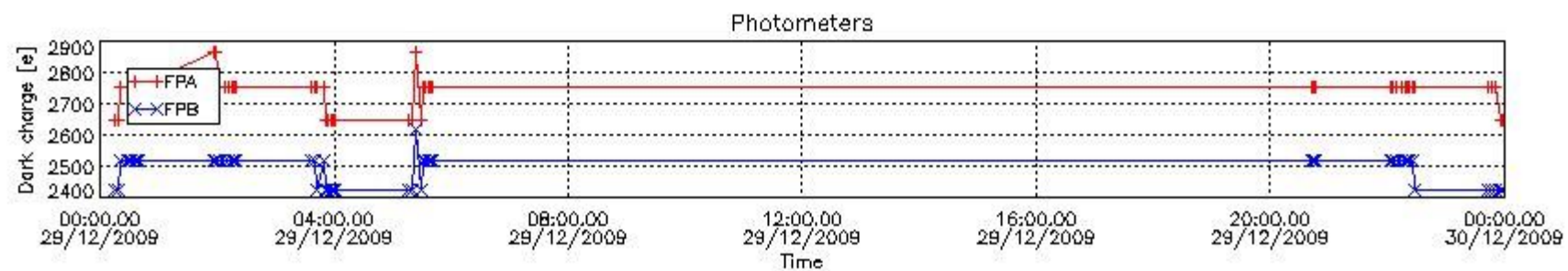
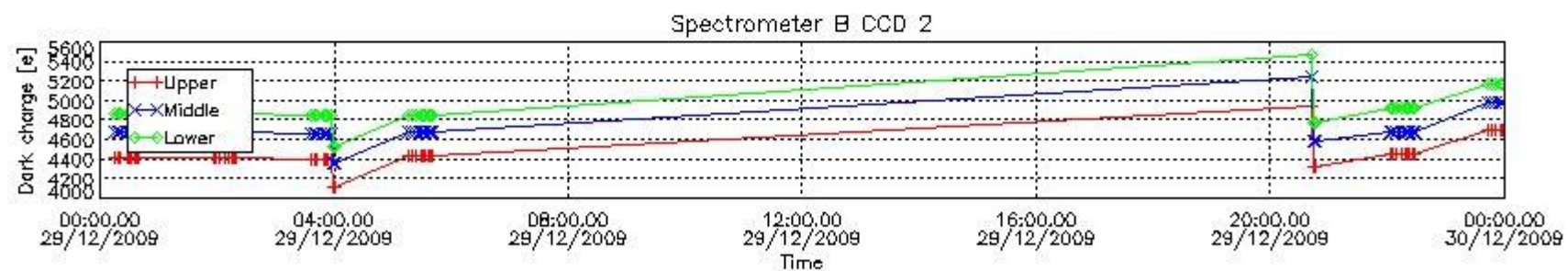
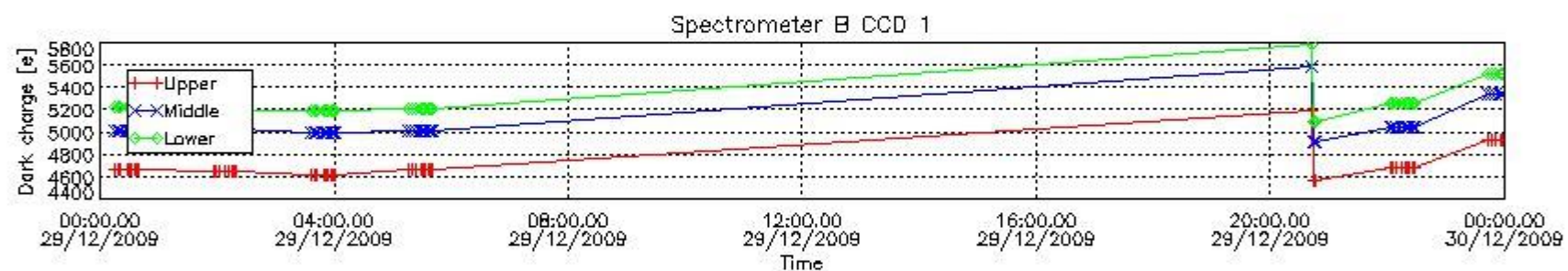
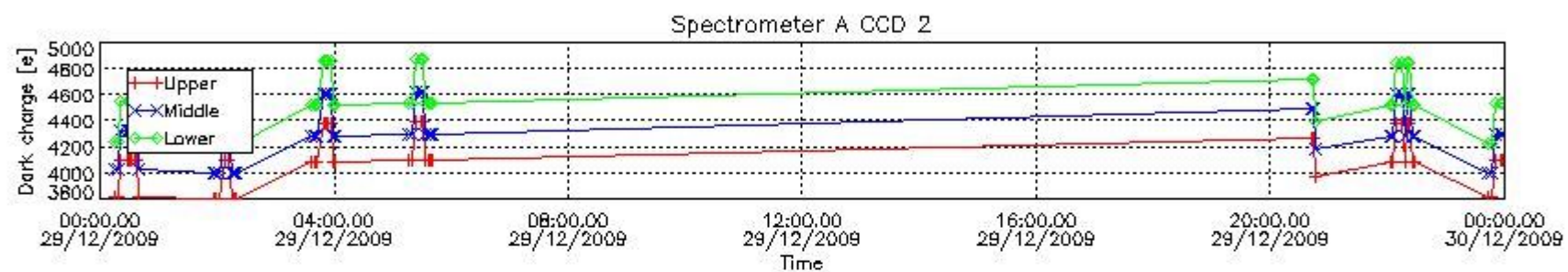
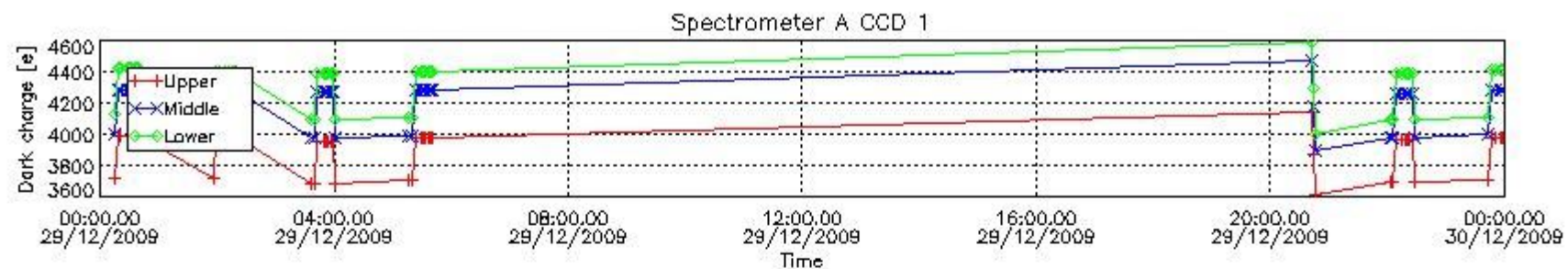
##### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20091229_204225_000000462085_00315_40950_1390.N1	DC map with no T dep.
GOM_TRA_1PNPDE20091229_204437_000000462085_00315_40950_1391.N1	DC map used
GOM_TRA_1PNPDE20091229_204646_000000482085_00315_40950_1392.N1	DC map used
GOM_TRA_1PNPDE20091229_204937_000000482085_00315_40950_1393.N1	DC map used
GOM_TRA_1PNPDE20091229_205111_000000462085_00315_40950_1394.N1	DC map used
GOM_TRA_1PNPDE20091229_205342_000000512085_00315_40950_1395.N1	DC map used
GOM_TRA_1PNPDE20091229_205613_000000432085_00315_40950_1396.N1	DC map used
GOM_TRA_1PNPDE20091229_205845_000000442085_00315_40950_1397.N1	DC map used
GOM_TRA_1PNPDE20091229_210120_000000522085_00315_40950_1398.N1	DC map used
GOM_TRA_1PNPDE20091229_210446_000000542085_00315_40950_1399.N1	DC map used
GOM_TRA_1PNPDE20091229_210623_000000512085_00315_40950_1400.N1	DC map used
GOM_TRA_1PNPDE20091229_210746_000000492085_00315_40950_1401.N1	DC map used
GOM_TRA_1PNPDE20091229_211020_000000402085_00315_40950_1402.N1	DC map used
GOM_TRA_1PNPDE20091229_211220_000000442085_00315_40950_1403.N1	DC map used



GOM_TRA_1PNPDE20091229_212859_000000542085_00315_40950_1404.N1	DC map used
GOM_TRA_1PNPDE20091229_213249_000000492085_00315_40950_1405.N1	DC map used
GOM_TRA_1PNPDE20091229_213600_000000462085_00315_40950_1406.N1	DC map used
GOM_TRA_1PNPDE20091229_213956_000000612085_00315_40950_1407.N1	DC map used
GOM_TRA_1PNPDE20091229_214333_000000602085_00315_40950_1408.N1	DC map used
GOM_TRA_1PNPDE20091229_214643_000000512085_00315_40950_1409.N1	DC map used
GOM_TRA_1PNPDE20091229_215346_000000352085_00315_40950_1410.N1	DC map used

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



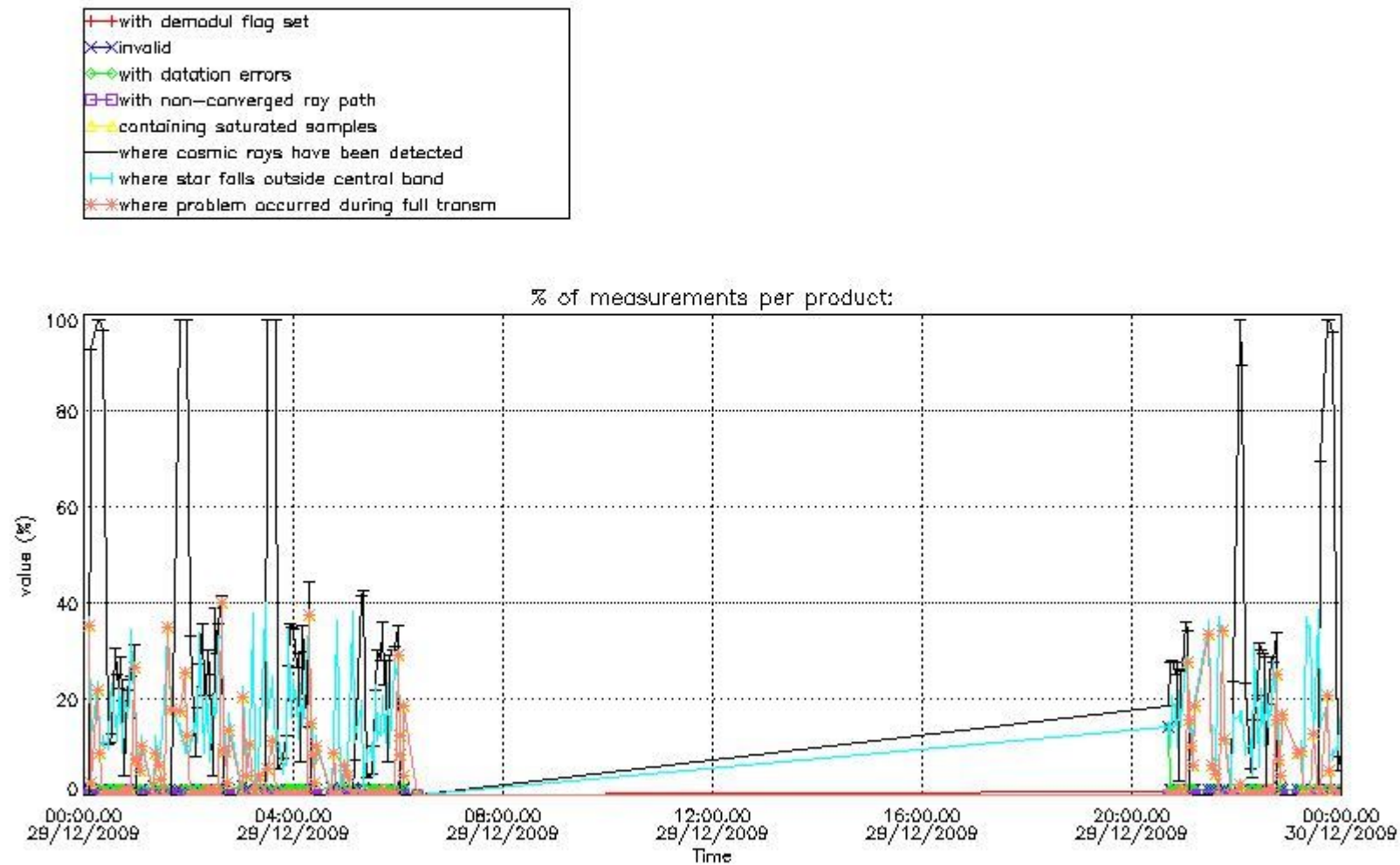
## 5. Demodulation flag and quality information monitoring

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:

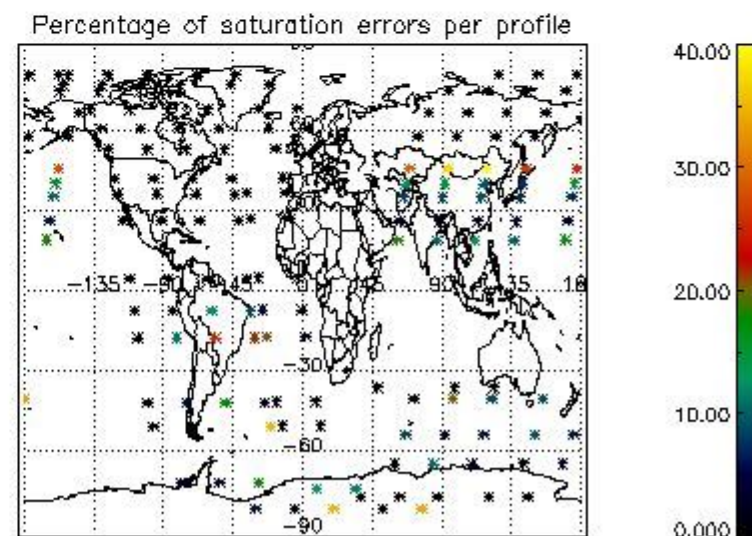
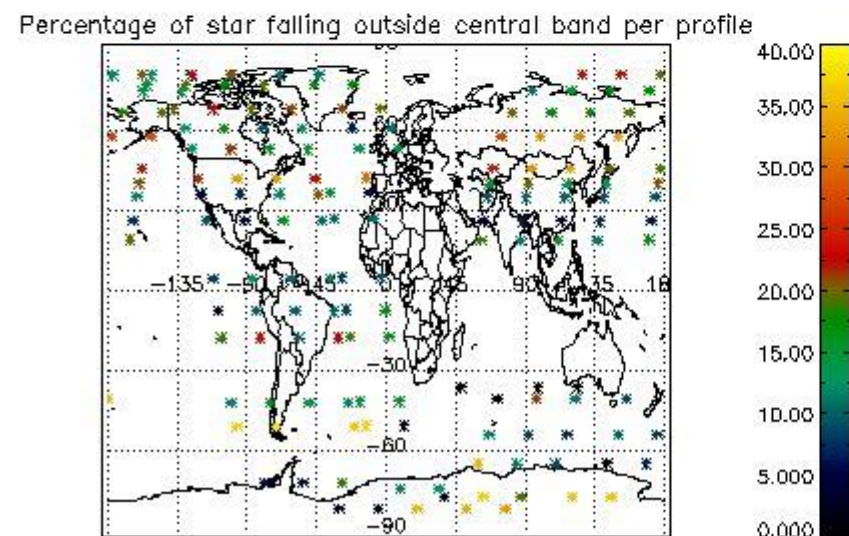
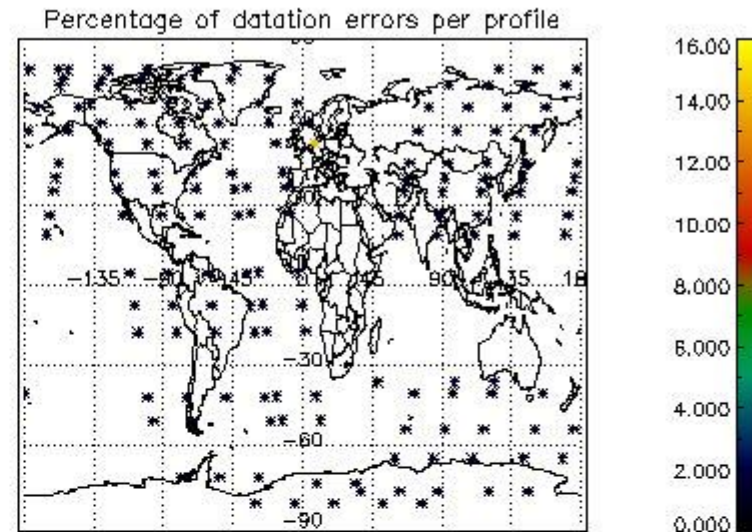
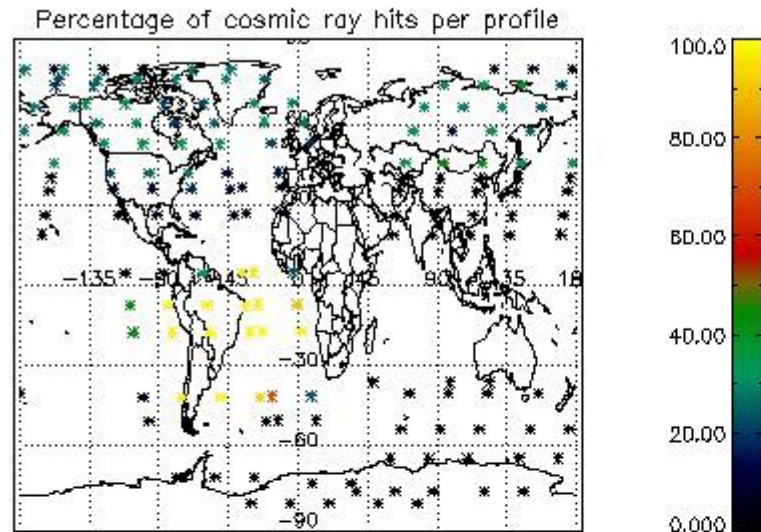
At least one measurement with demodulation flag set:	42.9448 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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



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





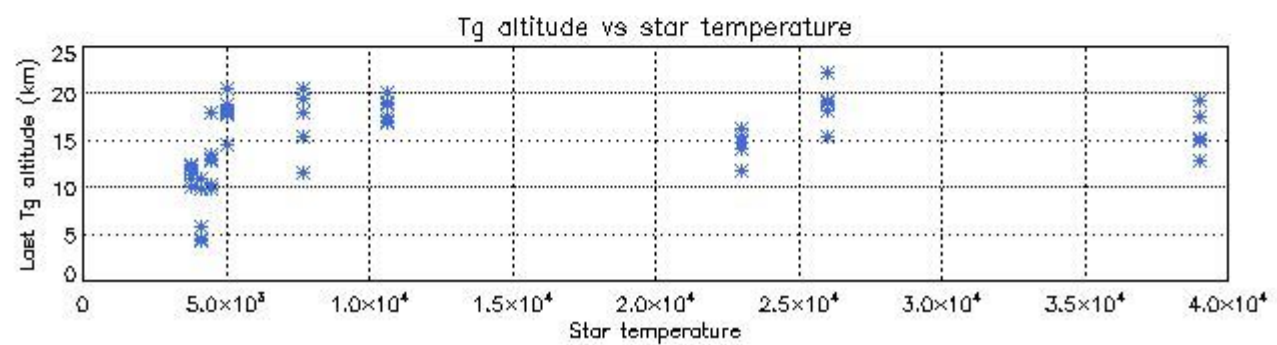
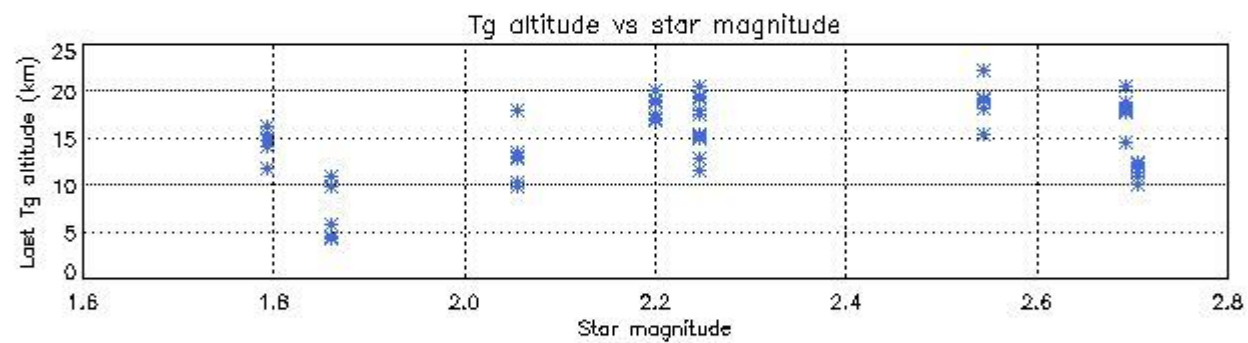
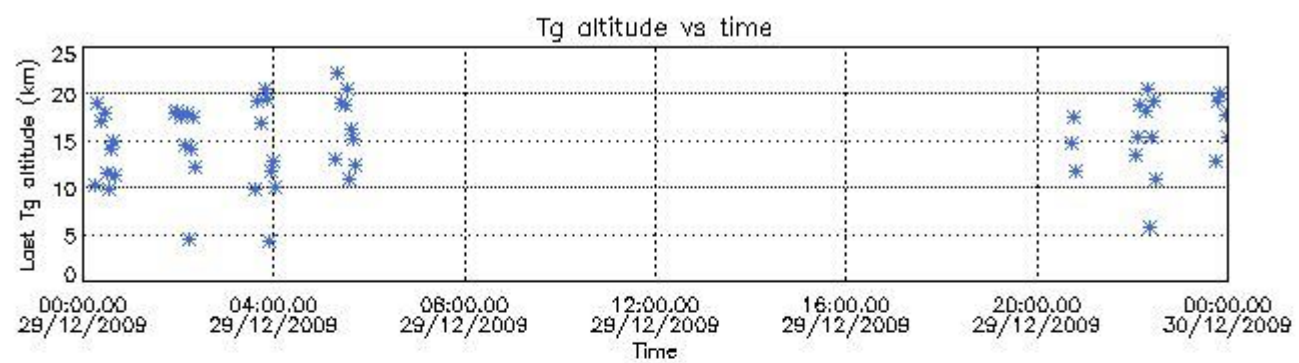
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.109	14.305	NaN
St. deviation:	4.1745	6.6171	NaN
Maximum:	22.130	28.719	NaN
Minimum:	4.3481	3.3534	NaN
Number of data:	53.000	65.000	NaN

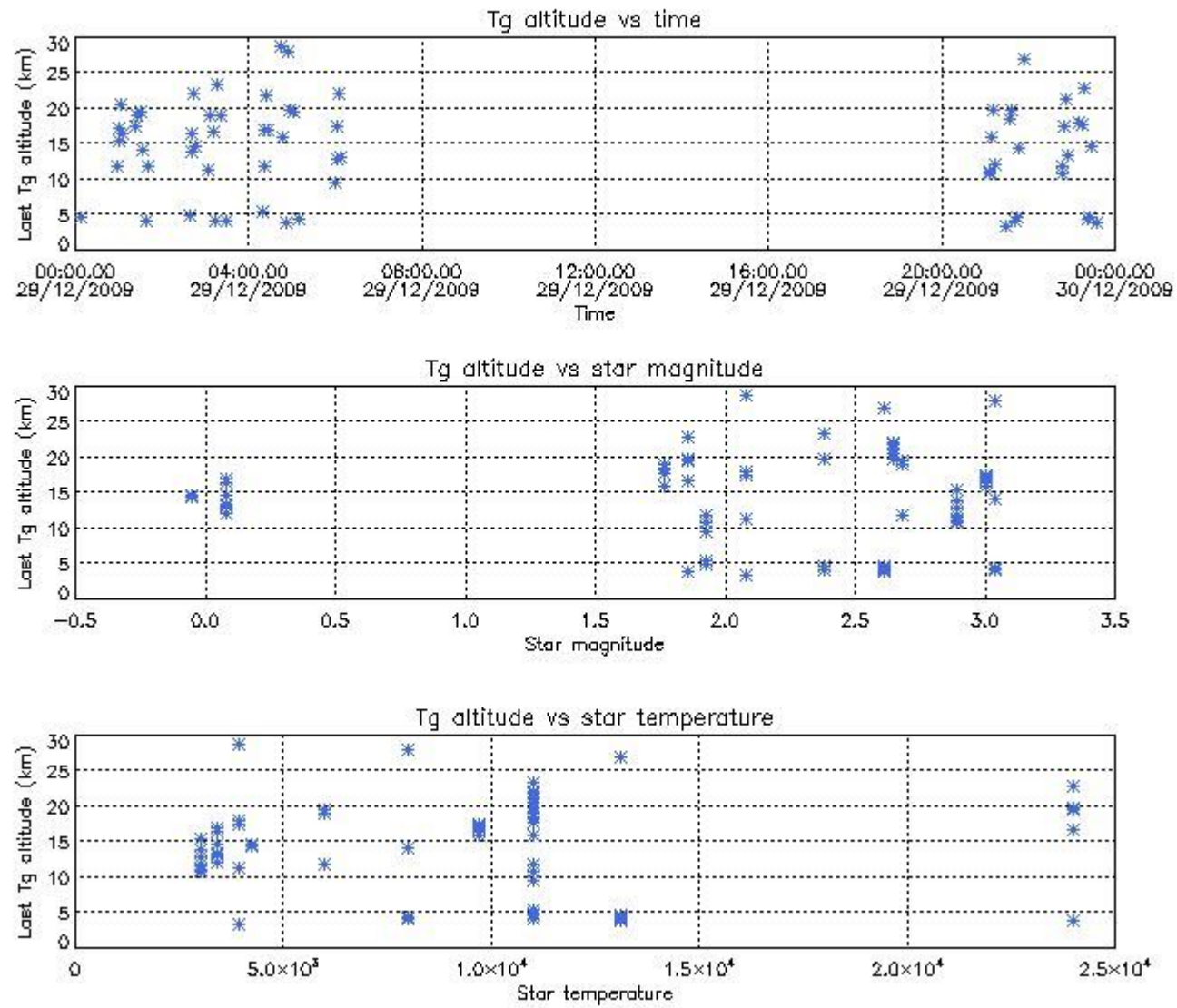
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost



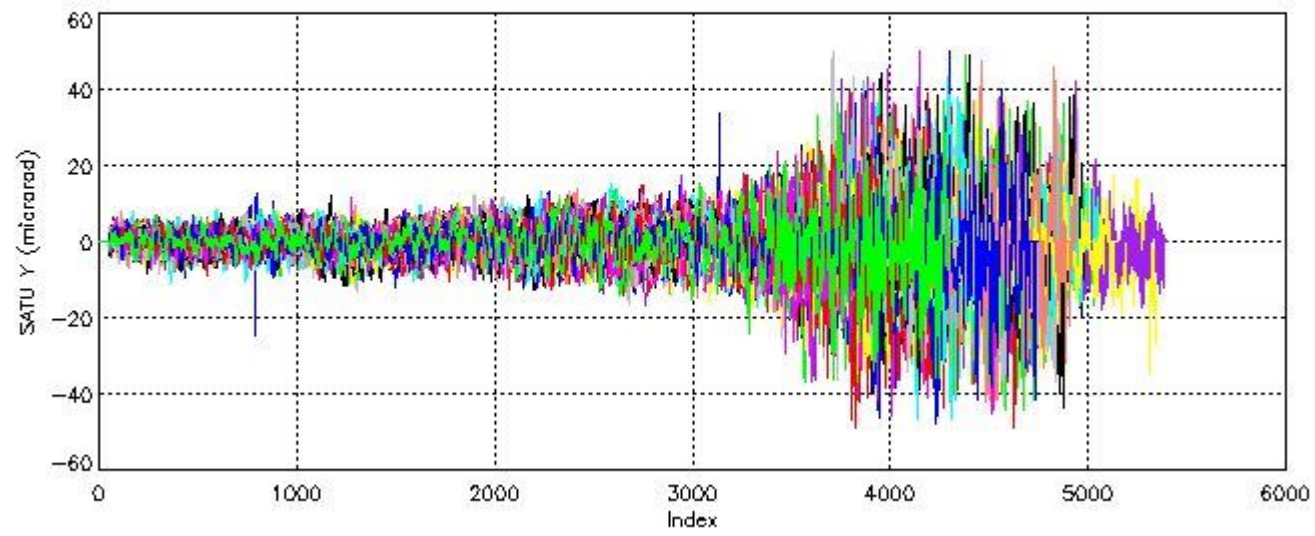
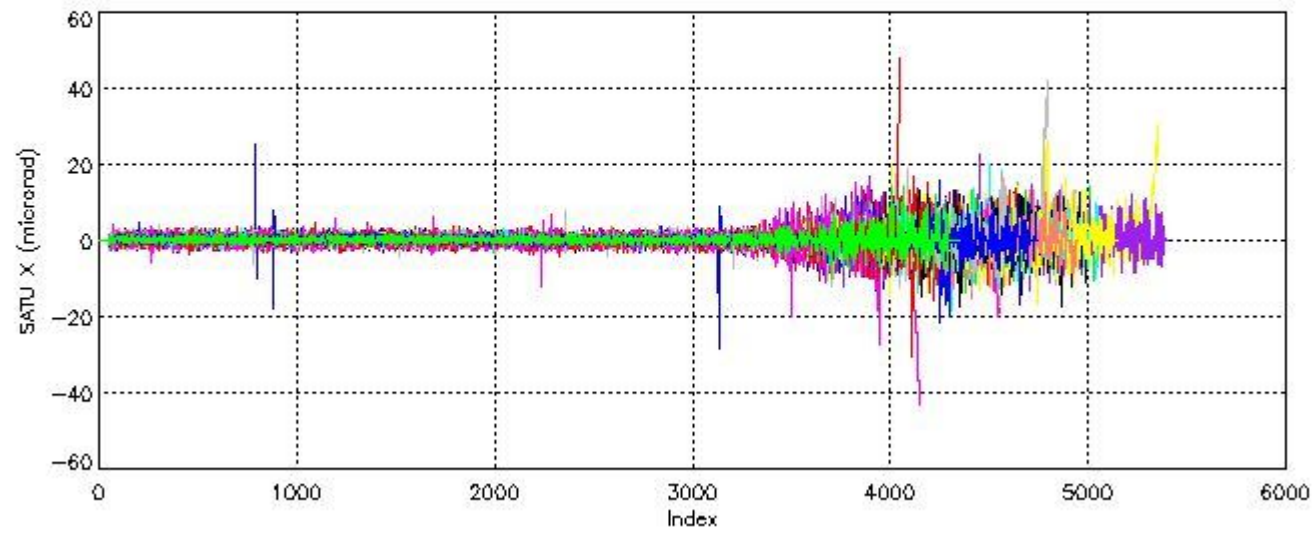
## 7. Star Acquisition and Tracking Unit (SATU)

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

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

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





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

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

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

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.22283	0.035473	0.18791	-0.026819
St. deviation:	0.57691	2.1931	0.69679	2.5558
Maximum:	25.200	12.700	5.4000	12.000
Minimum:	-18.000	-24.800	-4.8000	-15.200

Number of data:	52150.	52150.	64900.	64900.
-----------------	--------	--------	--------	--------

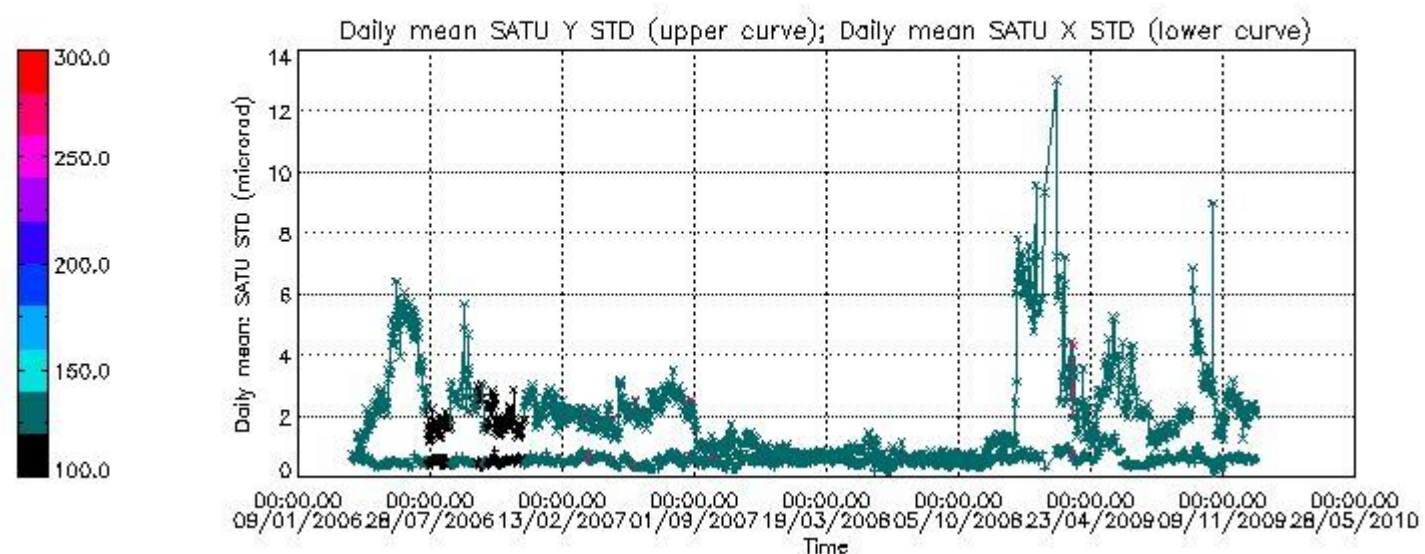
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

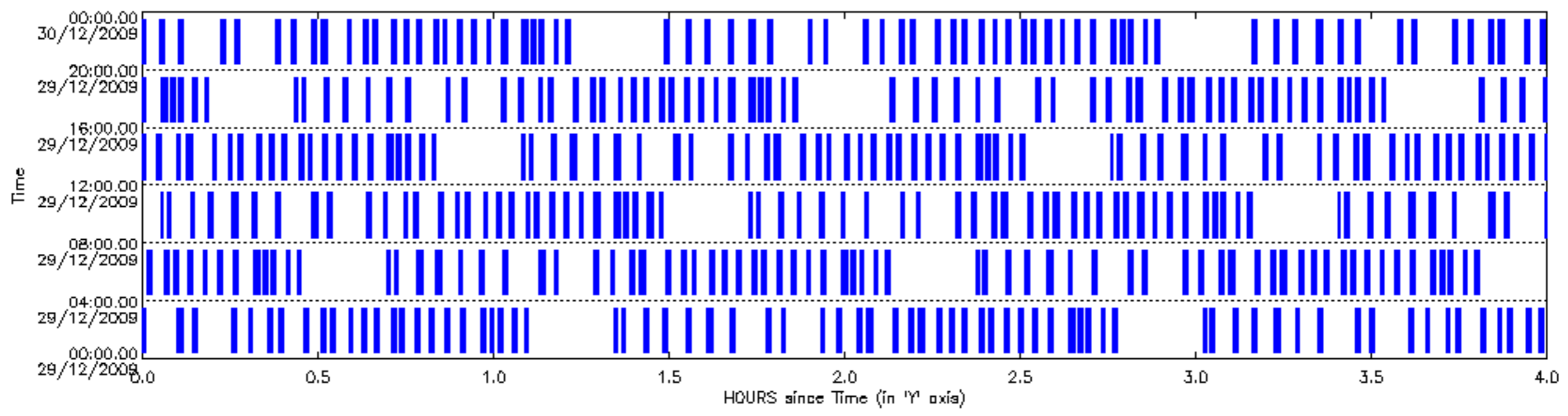
Lower curve: STD of SATU X axis



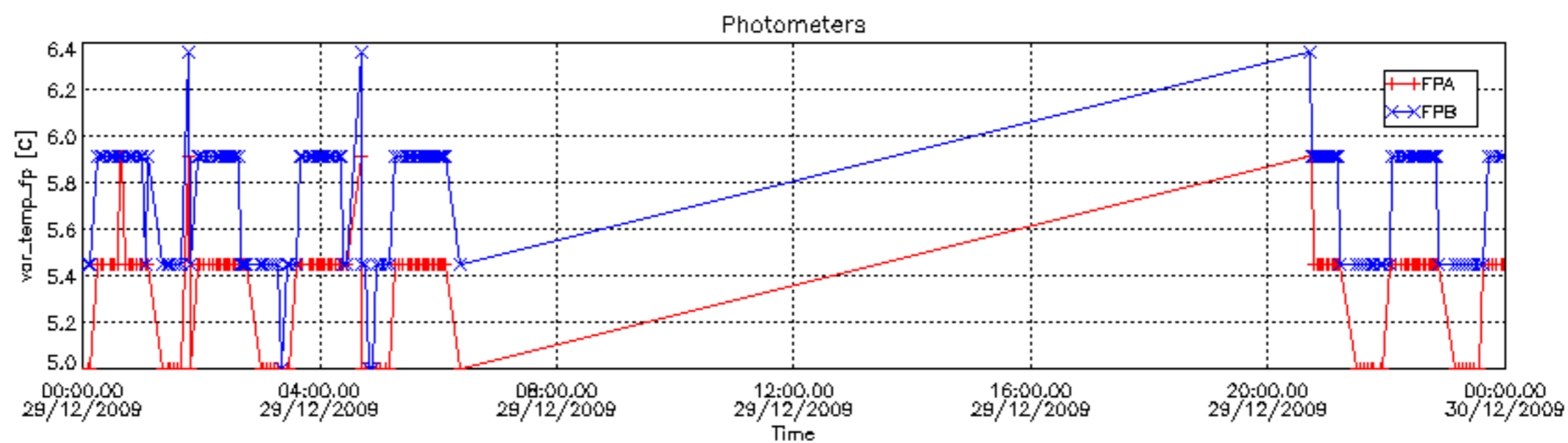
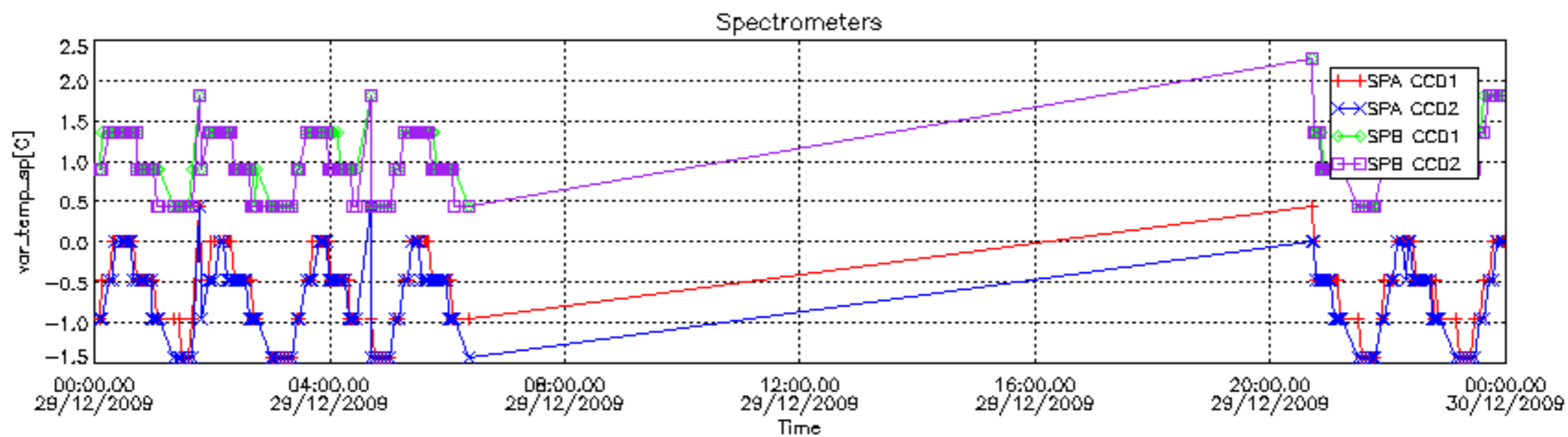
### 8. Auxiliary Data Files used for the production reported in section 2.4

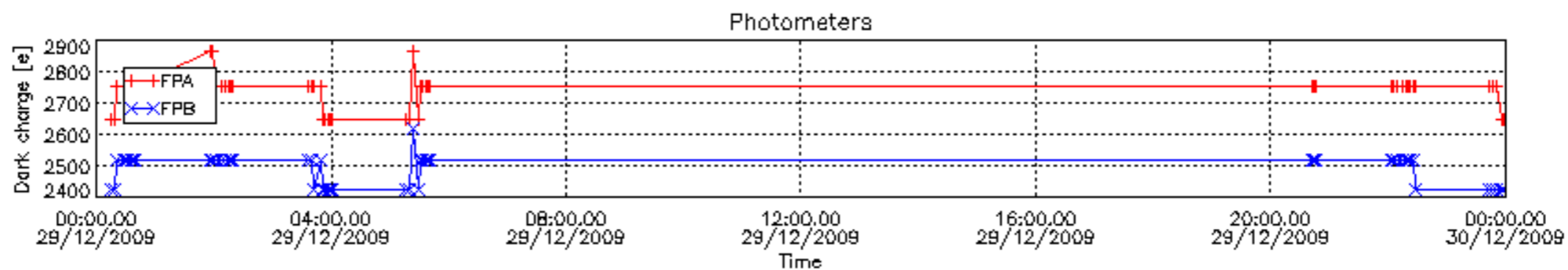
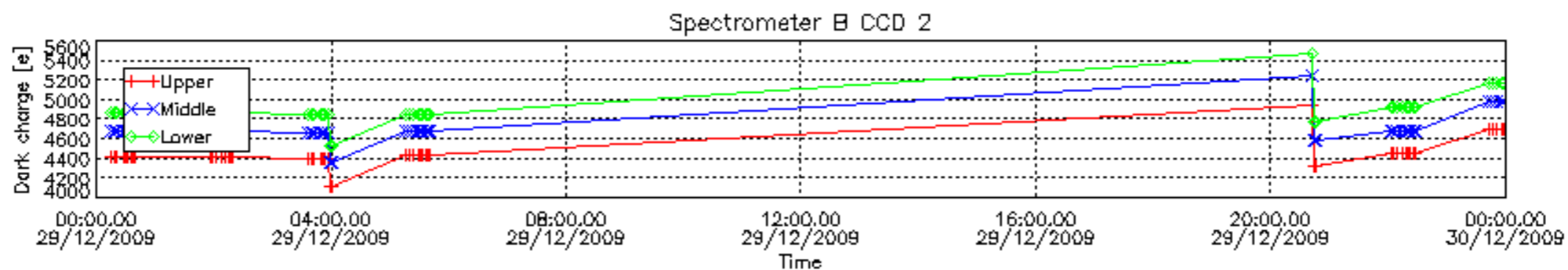
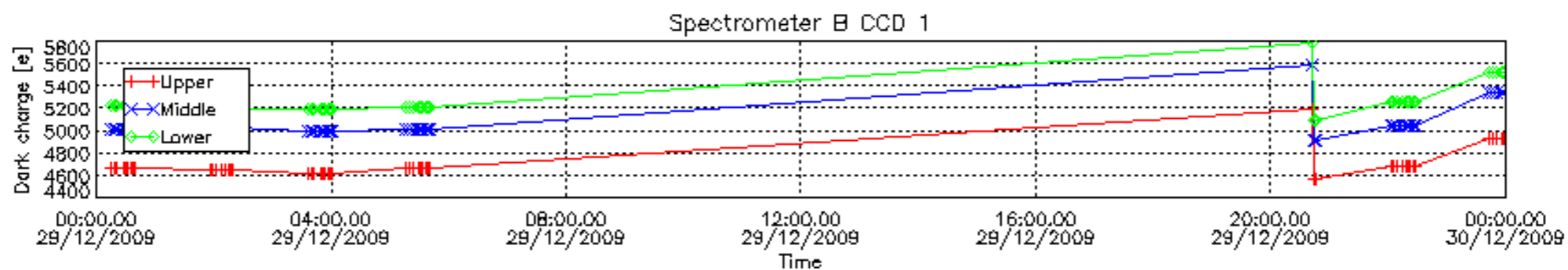
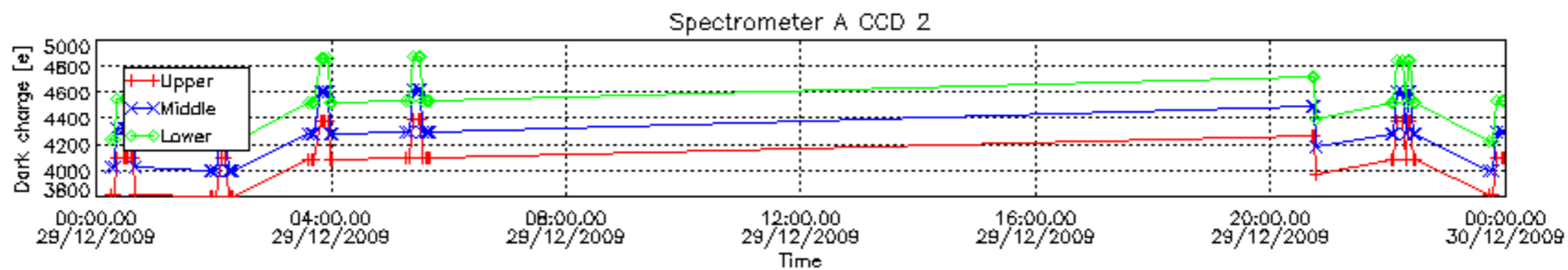
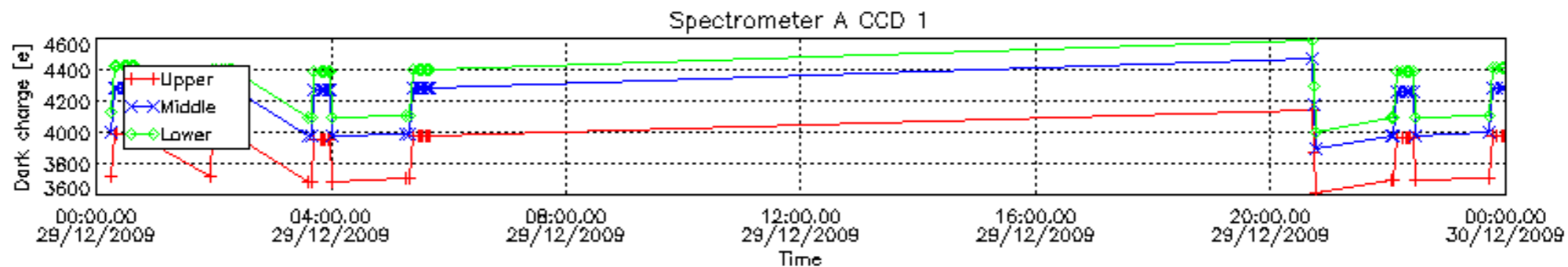
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

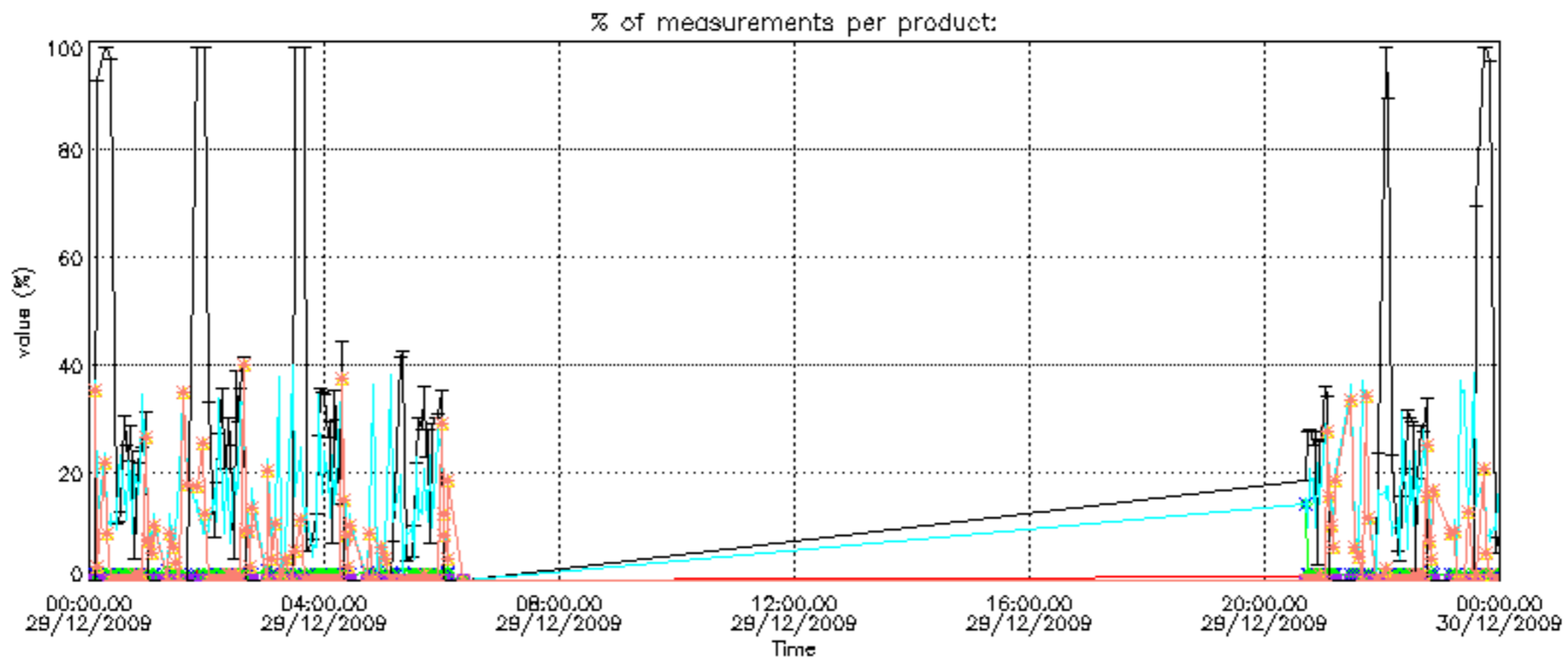
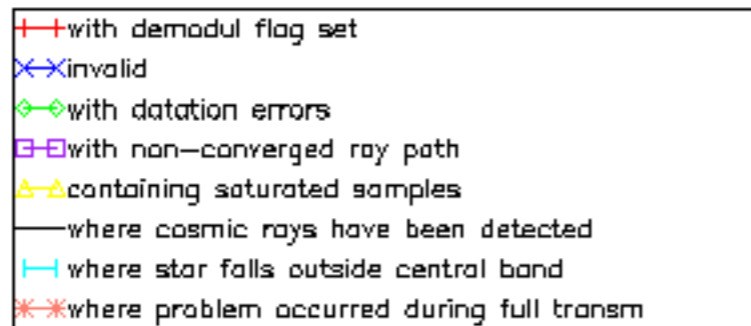
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	29-DEC-2009 00:05:53
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091222_083206_20091220_000000_20500101_000000	1	29-DEC-2009 00:05:53
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091229_111816_20091227_000000_20500101_000000	111	29-DEC-2009 20:42:25
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	29-DEC-2009 00:05:53
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	29-DEC-2009 00:05:53
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	29-DEC-2009 00:05:53
ECMWF_FILE	AUX_ECF_AXNECM20091228_062111_20091228_210000_20091229_090000	1	29-DEC-2009 00:05:53
ECMWF_FILE	AUX_ECF_AXNECM20091228_181704_20091229_030000_20091229_150000	54	29-DEC-2009 03:06:17
ECMWF_FILE	AUX_ECA_AXNECM20091229_060109_20091228_210000_20091229_090000	81	29-DEC-2009 04:41:48
ECMWF_FILE	AUX_ECF_AXNECM20091229_062109_20091229_150000_20091230_030000	111	29-DEC-2009 20:42:25
ECMWF_FILE	AUX_ECF_AXNECM20091229_062110_20091229_210000_20091230_090000	132	29-DEC-2009 21:56:21
OPTIONAL_ECMWF_FILE	MISSING	1	29-DEC-2009 00:05:53
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091228_222634_000057382085_00301_40936_9454.N1	1	29-DEC-2009 00:05:53
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091229_000213_000057382085_00302_40937_9455.N1	2	29-DEC-2009 00:08:27
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20091228_233703_20091228_191826_20100107_204440	30	29-DEC-2009 01:46:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091229_030251_000054192085_00304_40939_9457.N1	54	29-DEC-2009 03:06:17
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20091228_233703_20091228_191826_20100107_204440	81	29-DEC-2009 04:41:48
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091229_204011_000041442085_00315_40950_9459.N1	111	29-DEC-2009 20:42:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091229_215434_000057382085_00315_40950_9460.N1	132	29-DEC-2009 21:56:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091229_233531_000057382085_00316_40951_9461.N1	160	29-DEC-2009 23:36:58





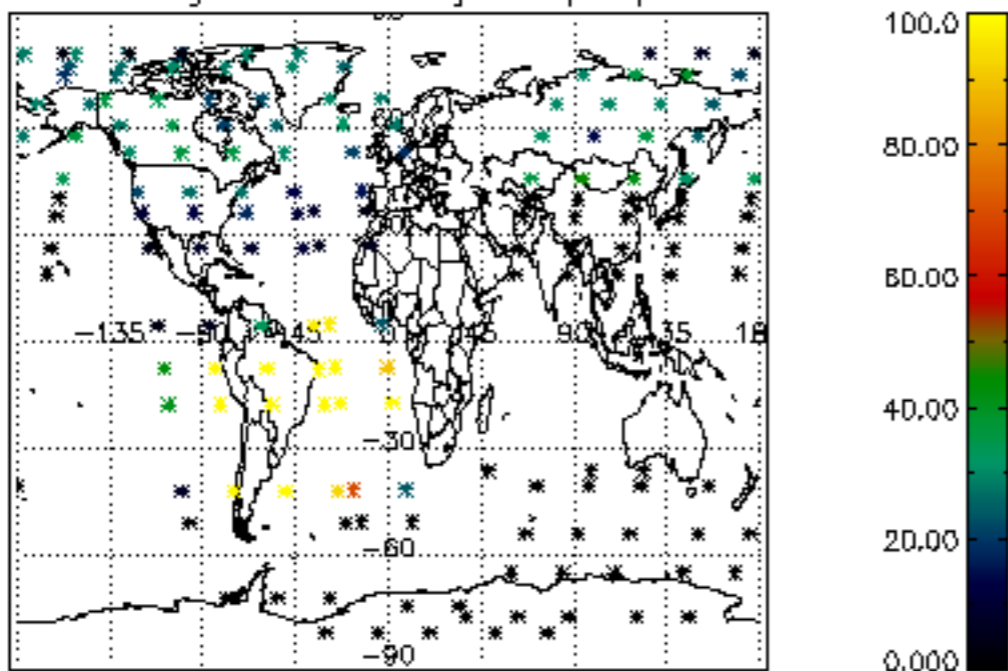




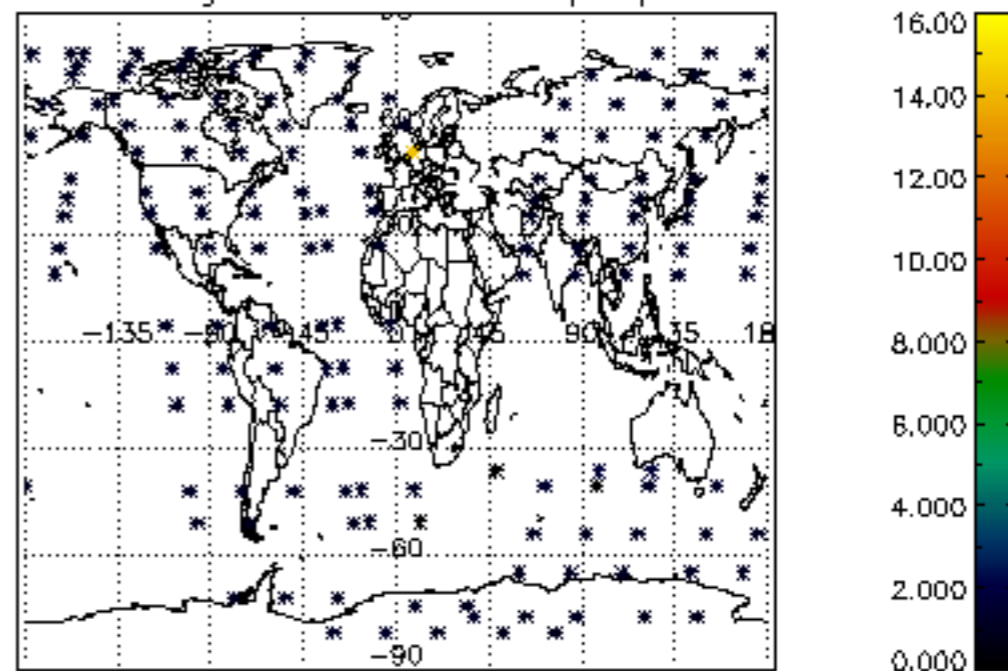




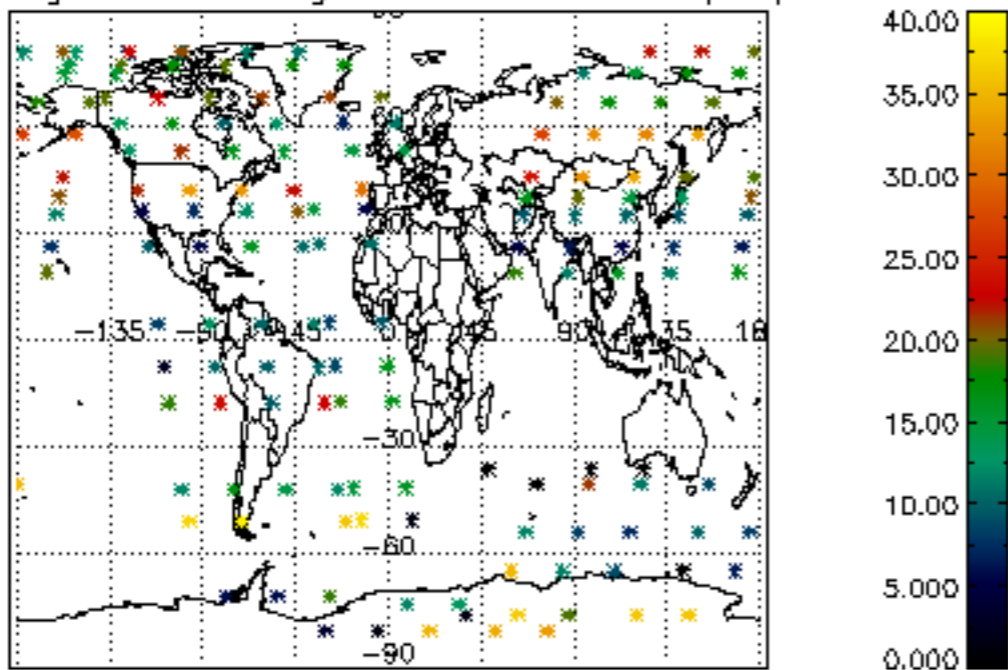
Percentage of cosmic ray hits per profile



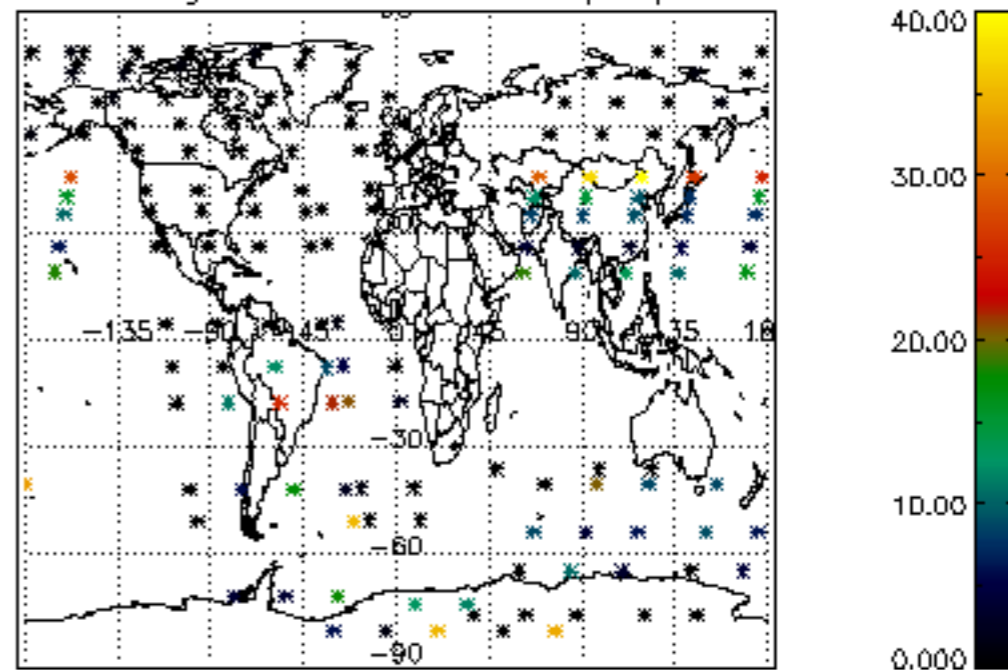
Percentage of datation errors per profile



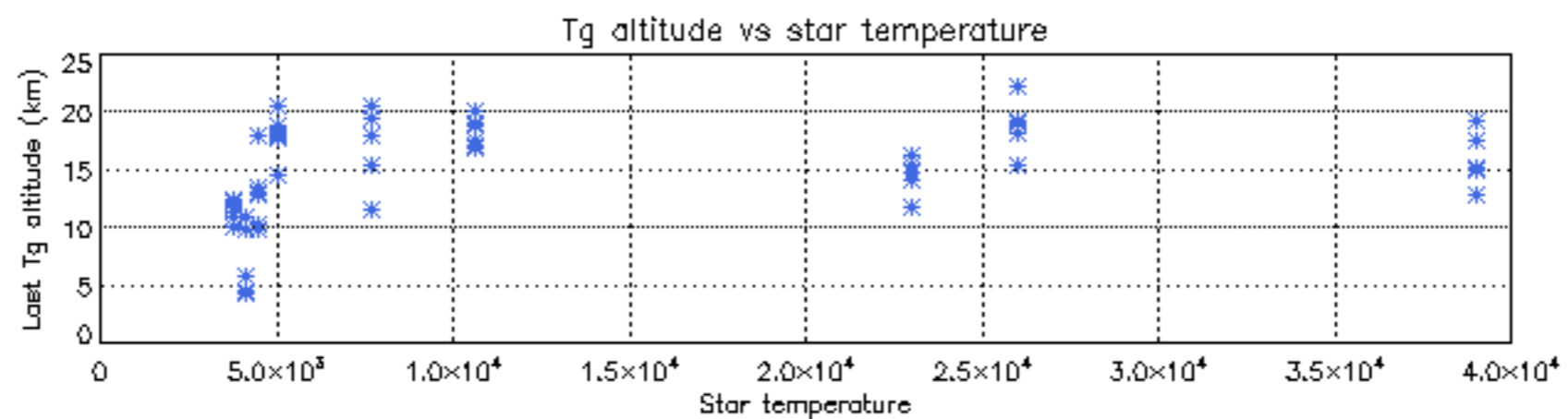
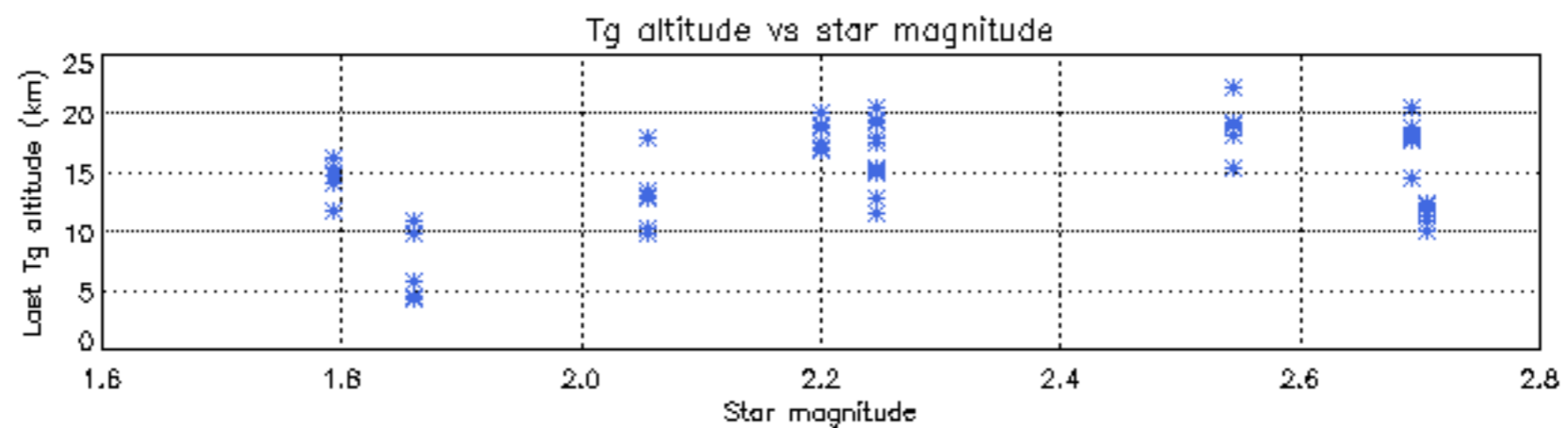
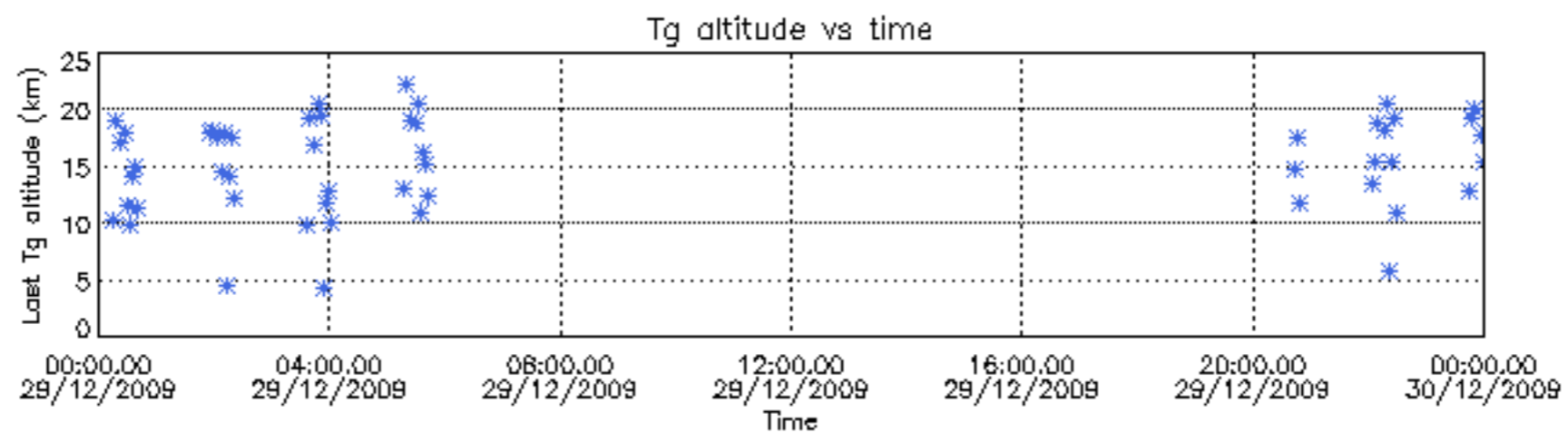
Percentage of star falling outside central band per profile



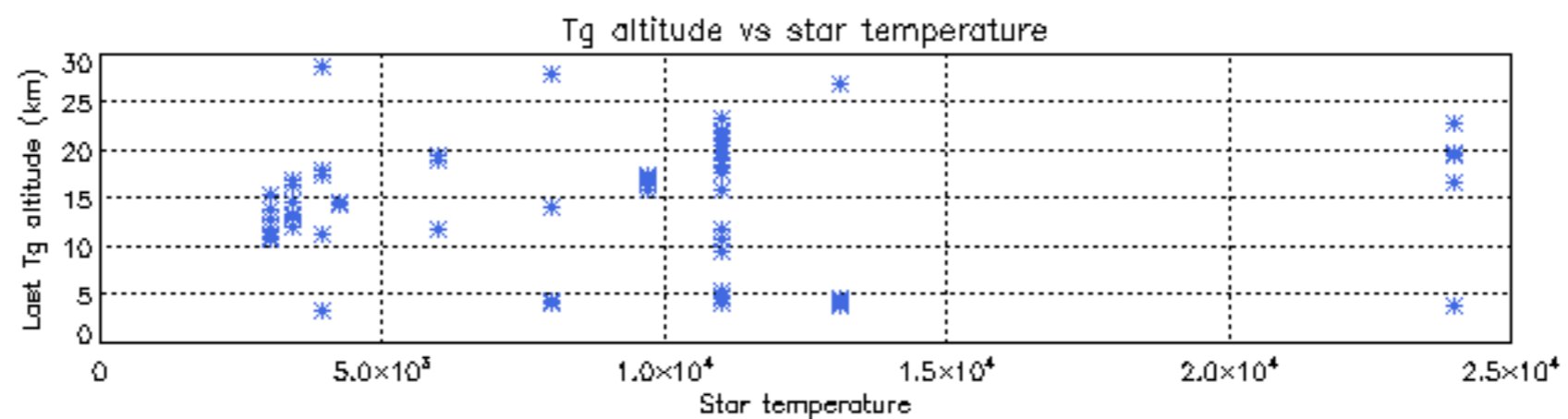
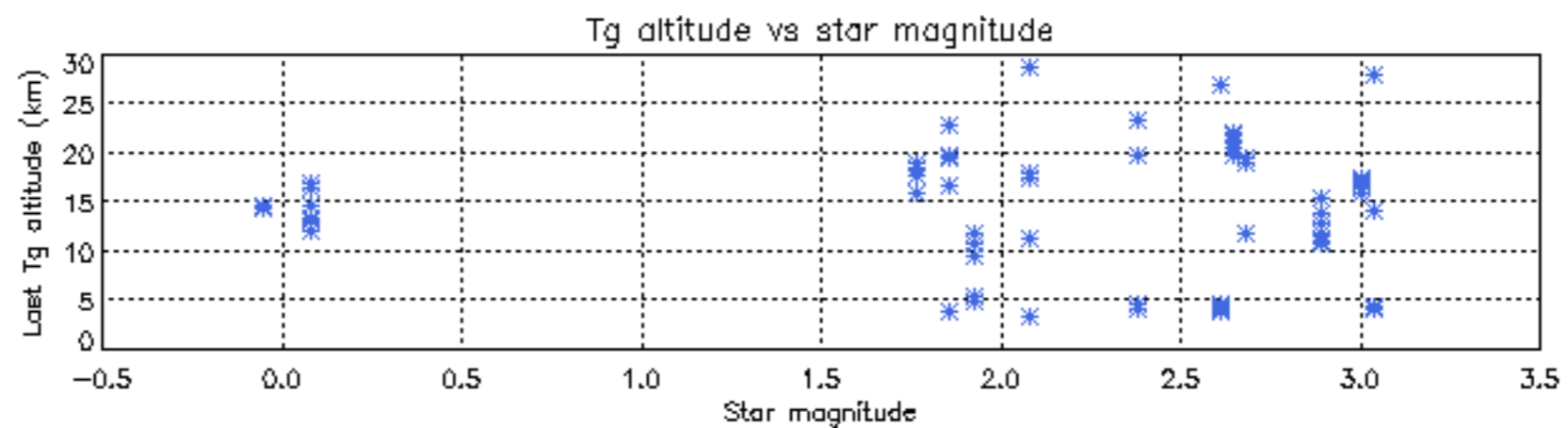
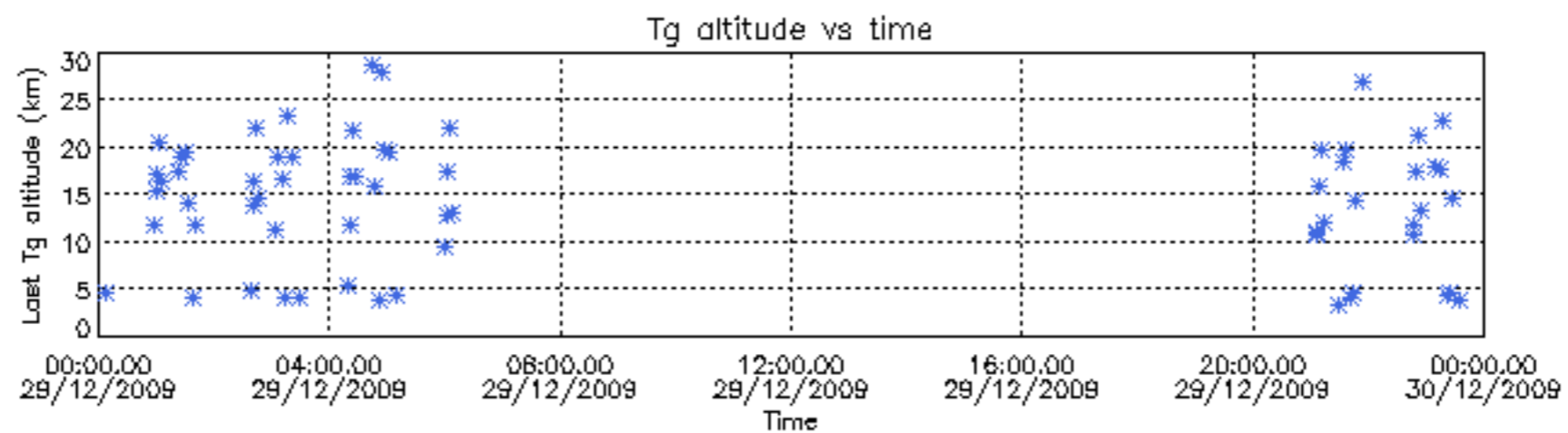
Percentage of saturation errors per profile

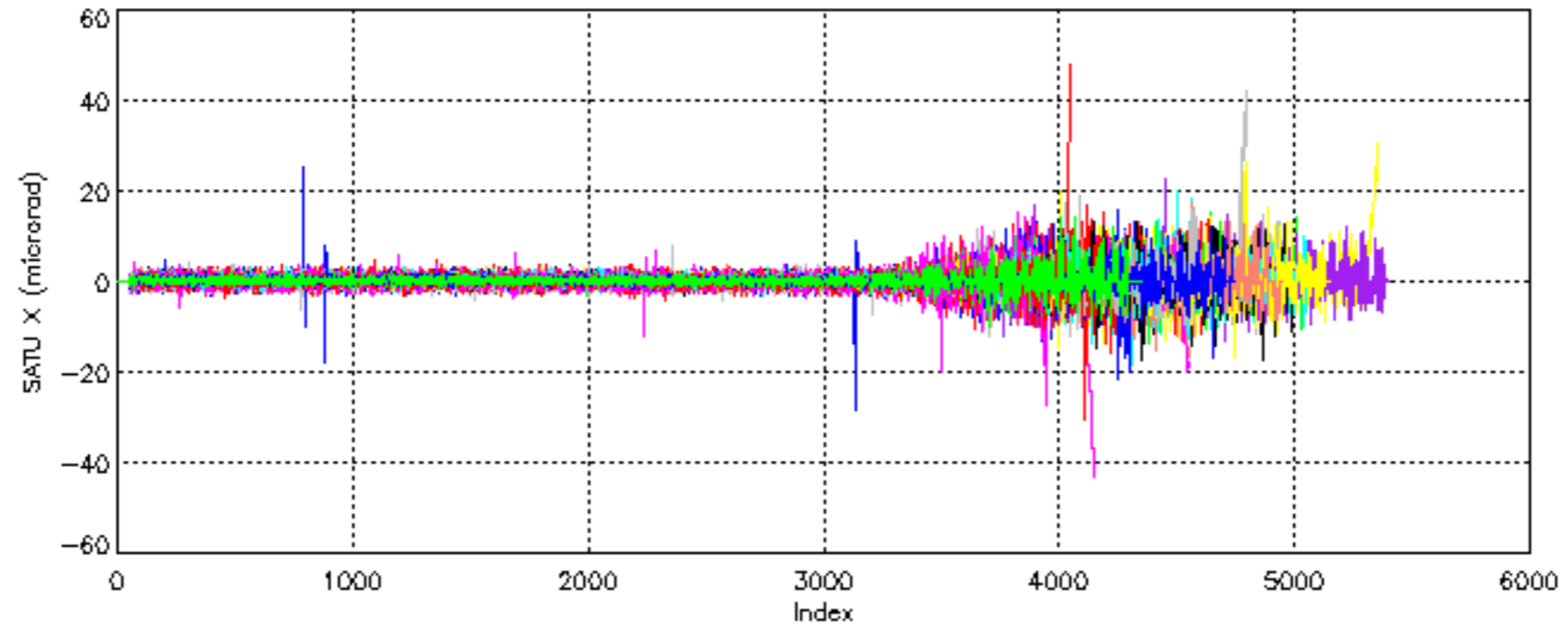


Tangent altitude at which the star is lost

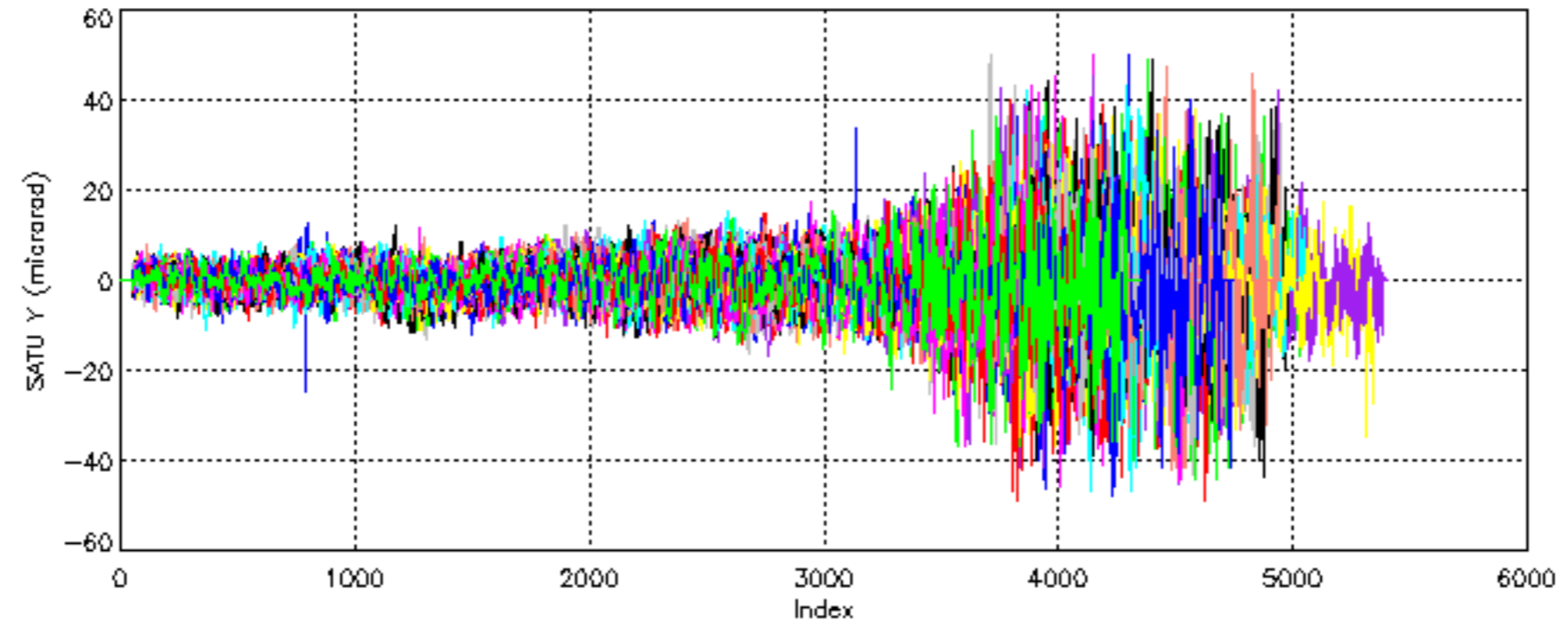


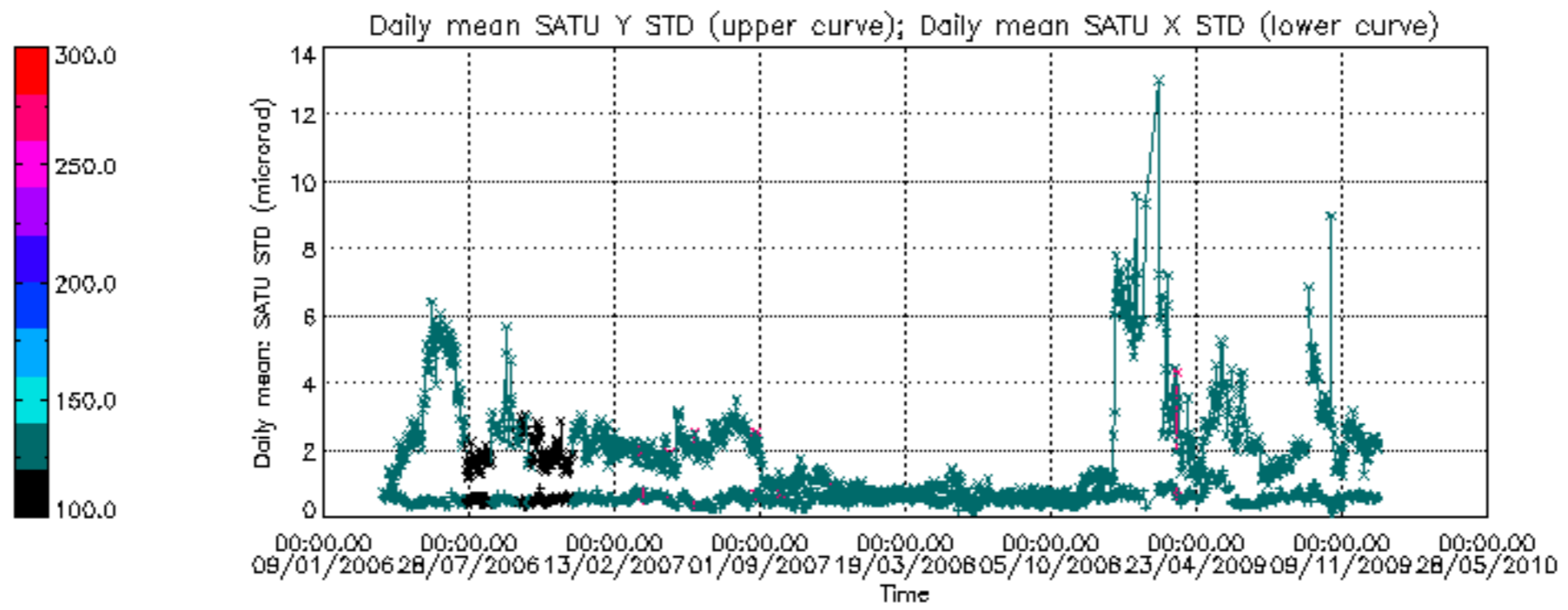
Tangent altitude at which the star is lost











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 3; 88.7; 01-DEC-2009 01:42:10; Dark ; 48.5; 113; Mu Vel ; 2.69; 5000;occ; 97; 0;40538  
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 14; 2328.4; 01-DEC-2009 02:19:29; Bright; 39.0; 146; 25Eta Tau ; 2.87; 15200;occ; 78; 0;40538  
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 17; 2847.4; 01-DEC-2009 02:28:08; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;40538  
 18; 2957.0; 01-DEC-2009 02:29:58; Bright; 51.0; 42; 34Bet Aur ; 1.90; 10200;occ; 102; 0;40538  
 19; 3821.0; 01-DEC-2009 02:44:22; Bright; 44.0; 36; 50Alp UMa ; 1.80; 6300;occ; 88; 0;40538

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 12; 607.0; 01-DEC-2009 03:31:24; Dark ; 59.5; 34; Gam2Vel ; 1.79; 23000;occ; 119; 0;40539  
 13; 712.6; 01-DEC-2009 03:33:09; Dark ; 54.5; 70; Zet Pup ; 2.25; 39000;occ; 109; 0;40539  
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 23; 2795.8; 07-DEC-2009 05:59:58; Bright; 46.5; 6; 13Alp Aur ; 0.08; 3400;occ; 93; 0;40626  
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19; 6200.1; 07-DEC-2009 13:39:06; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40630
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26; 2781.1; 09-DEC-2009 06:37:05; Bright; 46.5; 6; 13Alp Aur ; 0.08; 3400;occ; 93; 0;40655

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4; 1265.3; 09-DEC-2009 21:17:12; Dark ; 43.0; 37; 25Del CMa ; 1.83; 5900;occ; 86; 0;40664  
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13; 3771.4; 09-DEC-2009 21:58:58; Bright; 47.5; 36; 50Alp UMA ; 1.80; 6300;occ; 95; 0;40664  
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23; 4140.6; 09-DEC-2009 23:45:44; Bright; 56.0; 39; 85Eta UMa ; 1.85; 24000;occ; 112; 0;40665
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11; 4140.7; 09-DEC-2009 08:40:20; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;40656
12; 4353.4; 09-DEC-2009 08:43:53; Bright; 63.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 126; 0;40656
13; 4703.0; 09-DEC-2009 08:49:43; Bright; 50.0; 111; 8Eta Boo ; 2.68; 6000;occ; 100; 0;40656
14; 4912.6; 09-DEC-2009 08:53:12; Bright; 65.0; 138; 47Eps Vir ; 2.83; 4700;occ; 130; 0;40656
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7; -754.7; 11-DEC-2009 06:15:31; Dark ; 46.5; 15; 67Alp Vir ; 0.98; 28000;occ; 93; 0;40683
8; -546.4; 11-DEC-2009 06:18:59; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40683
9; -434.3; 11-DEC-2009 06:20:51; Dark ; 55.5; 100; 4Gam Crv ; 2.58; 13100;occ; 111; 0;40683
10; -338.0; 11-DEC-2009 06:22:28; Dark ; 53.0; 171; 2Eps Crv ; 3.00; 4250;occ; 106; 0;40683
11; -99.8; 11-DEC-2009 06:26:26; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;40683
12; -6.8; 11-DEC-2009 06:27:59; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40683

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13; 209.6; 11-DEC-2009 06:31:35; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;40684  
 14; 454.3; 11-DEC-2009 06:35:40; Dark ; 48.0; 71; Iot Car ; 2.25; 7700;occ; 96; 0;40684  
 15; 526.8; 11-DEC-2009 06:36:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40684  
 16; 726.6; 11-DEC-2009 06:40:12; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;40684  
 17; 876.8; 11-DEC-2009 06:42:43; Dark ; 48.5; 2; Alp Car ; -0.74; 7000;occ; 97; 0;40684  
 18; 1027.2; 11-DEC-2009 06:45:13; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;40684  
 19; 1232.9; 11-DEC-2009 06:48:39; Dark ; 54.5; 23; 21Eps CMa ; 1.50; 26000;occ; 109; 0;40684  
 20; 1527.7; 11-DEC-2009 06:53:34; Dark ; 29.0; 47; 2Bet CMa ; 1.98; 28000;occ; 58; 0;40684  
 21; 1748.0; 11-DEC-2009 06:57:14; Dark ; 46.0; 7; 19Bet Ori ; 0.10; 14000;occ; 92; 0;40684

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1; 1748.0; 11-DEC-2009 06:57:14; Dark ; 51.0; 7; 19Bet Ori ; 0.10; 14000;occ; 102; 0;40684  
 2; 1894.2; 11-DEC-2009 06:59:40; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40684  
 3; 2040.8; 11-DEC-2009 07:02:07; Dark ; 49.5; 27; 24Gam Ori ; 1.64; 26000;occ; 99; 0;40684  
 4; 2197.3; 11-DEC-2009 07:04:43; Dark ; 50.5; 13; 87Alp Tau ; 0.87; 3800;occ; 101; 0;40684  
 5; 2451.4; 11-DEC-2009 07:08:57; Bright; 37.0; 150; 44Zet Per ; 2.89; 28000;occ; 74; 0;40684  
 6; 2591.6; 11-DEC-2009 07:11:17; Bright; 35.0; 149; 45Eps Per ; 2.89; 30000;occ; 70; 0;40684  
 7; 2767.8; 11-DEC-2009 07:14:14; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;40684  
 8; 3762.5; 11-DEC-2009 07:30:48; Bright; 48.0; 36; 50Alp UMa ; 1.80; 6300;occ; 96; 0;40684  
 9; 3995.8; 11-DEC-2009 07:34:42; Bright; 60.0; 32; 77Eps UMa ; 1.76; 11000;occ; 120; 0;40684  
 10; 4140.3; 11-DEC-2009 07:37:06; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;40684  
 11; 4331.3; 11-DEC-2009 07:40:17; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;40684  
 12; 4710.4; 11-DEC-2009 07:46:36; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40684  
 13; 4927.7; 11-DEC-2009 07:50:13; Bright; 67.0; 138; 47Eps Vir ; 2.83; 4700;occ; 134; 0;40684  
 14; 5281.8; 11-DEC-2009 07:56:08; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;40684  
 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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2; 1748.0; 11-DEC-2009 10:18:26; Dark ; 53.0; 7; 19Bet Ori ; 0.10; 14000;occ; 106; 0;40686  
3; 1893.9; 11-DEC-2009 10:20:52; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40686  
4; 2040.2; 11-DEC-2009 10:23:18; Dark ; 51.0; 27; 24Gam Ori ; 1.64; 26000;occ; 102; 0;40686  
5; 2196.9; 11-DEC-2009 10:25:55; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;40686  
6; 2355.8; 11-DEC-2009 10:28:33; Bright; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;40686  
7; 2477.3; 11-DEC-2009 10:30:35; Bright; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;40686  
8; 2591.4; 11-DEC-2009 10:32:29; Bright; 53.0; 149; 45Eps Per ; 2.89; 30000;occ; 106; 0;40686  
9; 2766.9; 11-DEC-2009 10:35:25; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;40686  
10; 3761.5; 11-DEC-2009 10:51:59; Bright; 43.5; 36; 50Alp UMa ; 1.80; 6300;occ; 87; 0;40686  
11; 3995.5; 11-DEC-2009 10:55:53; Bright; 41.5; 32; 77Eps UMa ; 1.76; 11000;occ; 83; 0;40686  
12; 4140.3; 11-DEC-2009 10:58:18; Bright; 56.0; 39; 85Eta UMa ; 1.85; 24000;occ; 112; 0;40686  
13; 4331.5; 11-DEC-2009 11:01:29; Bright; 46.5; 180; 27Gam Boo ; 3.04; 8000;occ; 93; 0;40686  
14; 4711.2; 11-DEC-2009 11:07:49; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40686  
15; 4928.6; 11-DEC-2009 11:11:26; Bright; 50.5; 138; 47Eps Vir ; 2.83; 4700;occ; 101; 0;40686  
16; 5283.0; 11-DEC-2009 11:17:21; Dark ; 50.5; 15; 67Alp Vir ; 0.98; 28000;occ; 101; 0;40686  
17; 5491.5; 11-DEC-2009 11:20:49; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40686  
18; 5605.0; 11-DEC-2009 11:22:43; Dark ; 56.0; 100; 4Gam Crv ; 2.58; 13100;occ; 112; 0;40686  
19; 5701.3; 11-DEC-2009 11:24:19; Dark ; 55.5; 171; 2Eps Crv ; 3.00; 4250;occ; 111; 0;40686  
20; 5937.8; 11-DEC-2009 11:28:15; Dark ; 38.5; 64; Gam Cen ; 2.20; 10600;occ; 77; 0;40686  
21; 6030.9; 11-DEC-2009 11:29:49; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40686  
22; 6248.0; 11-DEC-2009 11:33:26; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;40686  
23; 6492.1; 11-DEC-2009 11:37:30; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40686  
24; 6565.1; 11-DEC-2009 11:38:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40686  
25; 6764.9; 11-DEC-2009 11:42:03; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;40686  
26; 6913.8; 11-DEC-2009 11:44:32; Dark ; 49.5; 2; Alp Car ; -0.74; 7000;occ; 99; 0;40686  
27; 7065.4; 11-DEC-2009 11:47:03; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;40686  
28; 7270.1; 11-DEC-2009 11:50:28; Dark ; 56.0; 23; 21Eps CMA ; 1.50; 26000;occ; 112; 0;40686  
29; 7563.9; 11-DEC-2009 11:55:22; Dark ; 34.5; 47; 2Bet CMA ; 1.98; 28000;occ; 69; 0;40686

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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  
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9; 2766.3; 11-DEC-2009 13:56:36; Bright; 60.0; 6; 13Alp Aur ; 0.08; 3400;occ; 120; 0;40688

10; 3760.6; 11-DEC-2009 14:13:10; Bright; 46.0; 36; 50Alp UMa ; 1.80; 6300;occ; 92; 0;40688  
 11; 3995.1; 11-DEC-2009 14:17:05; Bright; 45.0; 32; 77Eps UMa ; 1.76; 11000;occ; 90; 0;40688  
 12; 4140.3; 11-DEC-2009 14:19:30; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;40688  
 13; 4332.0; 11-DEC-2009 14:22:41; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;40688  
 14; 4711.8; 11-DEC-2009 14:29:01; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40688  
 15; 4929.8; 11-DEC-2009 14:32:39; Bright; 68.0; 138; 47Eps Vir ; 2.83; 4700;occ; 136; 0;40688  
 16; 5230.2; 11-DEC-2009 14:37:40; Dark ; 56.0; 121; 29Gam Vir ; 2.74; 7200;occ; 112; 0;40688  
 17; 5492.8; 11-DEC-2009 14:42:02; Dark ; 45.0; 169; 46Gam Hya ; 2.99; 4700;occ; 90; 0;40688  
 18; 5607.5; 11-DEC-2009 14:43:57; Dark ; 50.5; 100; 4Gam Crv ; 2.58; 13100;occ; 101; 0;40688  
 19; 5703.8; 11-DEC-2009 14:45:33; Dark ; 58.5; 171; 2Eps Crv ; 3.00; 4250;occ; 117; 0;40688  
 20; 5939.1; 11-DEC-2009 14:49:29; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40688  
 21; 6032.3; 11-DEC-2009 14:51:02; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;40688  
 22; 6249.9; 11-DEC-2009 14:54:39; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;40688  
 23; 6493.4; 11-DEC-2009 14:58:43; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40688  
 24; 6566.7; 11-DEC-2009 14:59:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40688  
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 27; 7066.6; 11-DEC-2009 15:08:16; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;40688  
 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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 3; 1893.6; 11-DEC-2009 15:22:39; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40689  
 4; 2039.6; 11-DEC-2009 15:25:05; Dark ; 49.0; 27; 24Gam Ori ; 1.64; 26000;occ; 98; 0;40689  
 5; 2196.8; 11-DEC-2009 15:27:42; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;40689  
 6; 2354.6; 11-DEC-2009 15:30:20; Bright; 46.5; 176; 23Zet Tau ; 3.02; 22000;occ; 93; 0;40689  
 7; 2475.9; 11-DEC-2009 15:32:21; Bright; 44.5; 28; 12Bet Tau ; 1.65; 15200;occ; 89; 0;40689  
 8; 2591.1; 11-DEC-2009 15:34:16; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;40689  
 9; 2765.9; 11-DEC-2009 15:37:11; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;40689  
 10; 3760.3; 11-DEC-2009 15:53:46; Bright; 47.0; 36; 50Alp UMa ; 1.80; 6300;occ; 94; 0;40689  
 11; 3995.0; 11-DEC-2009 15:57:40; Bright; 46.5; 32; 77Eps UMa ; 1.76; 11000;occ; 93; 0;40689  
 12; 4140.4; 11-DEC-2009 16:00:06; Bright; 56.0; 39; 85Eta UMa ; 1.85; 24000;occ; 112; 0;40689  
 13; 4332.3; 11-DEC-2009 16:03:18; Bright; 53.0; 180; 27Gam Boo ; 3.04; 8000;occ; 106; 0;40689  
 14; 4712.0; 11-DEC-2009 16:09:37; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;40689  
 15; 4930.8; 11-DEC-2009 16:13:16; Bright; 47.0; 138; 47Eps Vir ; 2.83; 4700;occ; 94; 0;40689  
 16; 5231.2; 11-DEC-2009 16:18:17; Dark ; 56.0; 121; 29Gam Vir ; 2.74; 7200;occ; 112; 0;40689  
 17; 5493.6; 11-DEC-2009 16:22:39; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40689  
 18; 5608.8; 11-DEC-2009 16:24:34; Dark ; 54.0; 100; 4Gam Crv ; 2.58; 13100;occ; 108; 0;40689  
 19; 5705.1; 11-DEC-2009 16:26:10; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;40689  
 20; 5939.6; 11-DEC-2009 16:30:05; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40689  
 21; 6033.1; 11-DEC-2009 16:31:38; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;40689  
 22; 6250.9; 11-DEC-2009 16:35:16; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40689  
 23; 6494.1; 11-DEC-2009 16:39:19; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;40689  
 24; 6567.6; 11-DEC-2009 16:40:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40689  
 25; 6767.4; 11-DEC-2009 16:43:53; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40689  
 26; 6915.2; 11-DEC-2009 16:46:21; Dark ; 48.5; 2; Alp Car ; -0.74; 7000;occ; 97; 0;40689  
 27; 7067.3; 11-DEC-2009 16:48:53; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;40689  
 28; 7271.9; 11-DEC-2009 16:52:17; Dark ; 55.5; 23; 21Eps CMa ; 1.50; 26000;occ; 111; 0;40689

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1; 1255.9; 11-DEC-2009 16:52:37; Dark ; 56.0; 23; 21Eps CMa ; 1.50; 26000;occ; 112; 40;40690  
 2; 1528.4; 11-DEC-2009 16:57:10; Dark ; 46.0; 47; 2Bet CMa ; 1.98; 28000;occ; 92; 0;40690  
 3; 1748.1; 11-DEC-2009 17:00:49; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;40690  
 4; 1893.3; 11-DEC-2009 17:03:15; Dark ; 50.5; 30; 46Eps Ori ; 1.69; 30000;occ; 101; 0;40690  
 5; 2039.4; 11-DEC-2009 17:05:41; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;40690  
 6; 2196.5; 11-DEC-2009 17:08:18; Dark ; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;40690  
 7; 2354.0; 11-DEC-2009 17:10:55; Bright; 48.0; 176; 23Zet Tau ; 3.02; 22000;occ; 96; 0;40690  
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 10; 2765.3; 11-DEC-2009 17:17:47; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;40690  
 11; 3759.4; 11-DEC-2009 17:34:21; Bright; 44.5; 36; 50Alp UMa ; 1.80; 6300;occ; 89; 0;40690  
 12; 3994.9; 11-DEC-2009 17:38:16; Bright; 51.0; 32; 77Eps UMa ; 1.76; 11000;occ; 102; 0;40690  
 13; 4140.1; 11-DEC-2009 17:40:41; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;40690  
 14; 4332.2; 11-DEC-2009 17:43:54; Bright; 42.0; 180; 27Gam Boo ; 3.04; 8000;occ; 84; 0;40690  
 15; 4712.2; 11-DEC-2009 17:50:14; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;40690  
 16; 4931.3; 11-DEC-2009 17:53:53; Bright; 68.0; 138; 47Eps Vir ; 2.83; 4700;occ; 136; 0;40690  
 17; 5232.4; 11-DEC-2009 17:58:54; Dark ; 56.0; 121; 29Gam Vir ; 2.74; 7200;occ; 112; 0;40690  
 18; 5494.3; 11-DEC-2009 18:03:16; Dark ; 44.5; 169; 46Gam Hya ; 2.99; 4700;occ; 89; 0;40690  
 19; 5610.0; 11-DEC-2009 18:05:11; Dark ; 50.5; 100; 4Gam Crv ; 2.58; 13100;occ; 101; 0;40690

20; 5706.1; 11-DEC-2009 18:06:47; Dark ; 55.5; 171; 2Eps Crv ; 3.00; 4250;occ; 111; 0;40690  
 21; 5940.2; 11-DEC-2009 18:10:42; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;40690  
 22; 6033.8; 11-DEC-2009 18:12:15; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40690  
 23; 6251.8; 11-DEC-2009 18:15:53; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40690  
 24; 6494.7; 11-DEC-2009 18:19:56; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40690  
 25; 6568.4; 11-DEC-2009 18:21:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40690  
 26; 6768.2; 11-DEC-2009 18:24:30; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40690  
 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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1; 1048.4; 11-DEC-2009 18:29:46; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 33;40691  
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 3; 1528.7; 11-DEC-2009 18:37:46; Dark ; 46.0; 47; 2Bet CMa ; 1.98; 28000;occ; 92; 0;40691  
 4; 1748.2; 11-DEC-2009 18:41:26; Dark ; 49.0; 7; 19Bet Ori ; 0.10; 14000;occ; 98; 0;40691  
 5; 1893.3; 11-DEC-2009 18:43:51; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;40691  
 6; 2039.3; 11-DEC-2009 18:46:17; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;40691  
 7; 2196.3; 11-DEC-2009 18:48:54; Dark ; 54.5; 13; 87Alp Tau ; 0.87; 3800;occ; 109; 0;40691  
 8; 2353.6; 11-DEC-2009 18:51:31; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;40691  
 9; 2474.9; 11-DEC-2009 18:53:32; Bright; 44.5; 28; 12Bet Tau ; 1.65; 15200;occ; 89; 0;40691  
 10; 2590.8; 11-DEC-2009 18:55:28; Bright; 34.5; 149; 45Eps Per ; 2.89; 30000;occ; 69; 0;40691  
 11; 2764.9; 11-DEC-2009 18:58:22; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;40691  
 12; 3759.3; 11-DEC-2009 19:14:57; Bright; 43.0; 36; 50Alp UMa ; 1.80; 6300;occ; 86; 0;40691  
 13; 3994.7; 11-DEC-2009 19:18:52; Bright; 46.0; 32; 77Eps UMa ; 1.76; 11000;occ; 92; 0;40691  
 14; 4140.2; 11-DEC-2009 19:21:18; Bright; 42.0; 39; 85Eta UMa ; 1.85; 24000;occ; 84; 0;40691  
 15; 4332.4; 11-DEC-2009 19:24:30; Bright; 34.0; 180; 27Gam Boo ; 3.04; 8000;occ; 68; 0;40691  
 16; 4712.6; 11-DEC-2009 19:30:50; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;40691  
 17; 4931.5; 11-DEC-2009 19:34:29; Bright; 68.0; 138; 47Eps Vir ; 2.83; 4700;occ; 136; 0;40691  
 18; 5233.2; 11-DEC-2009 19:39:31; Dark ; 55.5; 121; 29Gam Vir ; 2.74; 7200;occ; 111; 0;40691  
 19; 5494.8; 11-DEC-2009 19:43:52; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40691  
 20; 5611.2; 11-DEC-2009 19:45:49; Dark ; 52.5; 100; 4Gam Crv ; 2.58; 13100;occ; 105; 0;40691  
 21; 5707.4; 11-DEC-2009 19:47:25; Dark ; 56.0; 171; 2Eps Crv ; 3.00; 4250;occ; 112; 0;40691  
 22; 5940.8; 11-DEC-2009 19:51:18; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40691  
 23; 6034.2; 11-DEC-2009 19:52:52; Dark ; 43.0; 99; Del Cen ; 2.58; 26000;occ; 86; 0;40691  
 24; 6252.5; 11-DEC-2009 19:56:30; Dark ; 54.0; 113; Mu Vel ; 2.69; 5000;occ; 108; 0;40691  
 25; 6495.3; 11-DEC-2009 20:00:33; Dark ; 38.5; 71; Iot Car ; 2.25; 7700;occ; 77; 0;40691  
 26; 6569.1; 11-DEC-2009 20:01:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40691  
 27; 6768.9; 11-DEC-2009 20:05:06; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;40691  
 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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1; -744.8; 12-DEC-2009 00:42:16; Dark ; 51.5; 15; 67Alp Vir ; 0.98; 28000;occ; 103; 6;40694  
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 3; -325.1; 12-DEC-2009 00:49:16; Dark ; 52.0; 171; 2Eps Crv ; 3.00; 4250;occ; 104; 0;40694  
 4; -93.5; 12-DEC-2009 00:53:08; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 0;40694  
 5; 0.3; 12-DEC-2009 00:54:41; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;40695  
 6; 219.2; 12-DEC-2009 00:58:20; Dark ; 49.5; 113; Mu Vel ; 2.69; 5000;occ; 99; 0;40695  
 7; 461.2; 12-DEC-2009 01:02:22; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;40695  
 8; 535.5; 12-DEC-2009 01:03:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40695  
 9; 735.0; 12-DEC-2009 01:06:56; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40695  
 10; 881.5; 12-DEC-2009 01:09:23; Dark ; 40.0; 2; Alp Car ; -0.74; 7000;occ; 80; 0;40695  
 11; 1034.5; 12-DEC-2009 01:11:55; Dark ; 52.5; 117; Pi Pup ; 2.71; 3800;occ; 105; 0;40695  
 12; 1238.4; 12-DEC-2009 01:15:19; Dark ; 55.0; 23; 21Eps CMa ; 1.50; 26000;occ; 110; 0;40695  
 13; 1529.2; 12-DEC-2009 01:20:10; Dark ; 54.0; 47; 2Bet CMa ; 1.98; 28000;occ; 108; 0;40695  
 14; 1748.1; 12-DEC-2009 01:23:49; Dark ; 50.0; 7; 19Bet Ori ; 0.10; 14000;occ; 100; 0;40695  
 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  
 17; 2195.8; 12-DEC-2009 01:31:17; Dark ; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;40695  
 18; 2351.4; 12-DEC-2009 01:33:52; Bright; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;40695  
 19; 2451.0; 12-DEC-2009 01:35:32; Bright; 36.5; 150; 44Zet Per ; 2.89; 28000;occ; 73; 0;40695  
 20; 2590.5; 12-DEC-2009 01:37:52; Bright; 34.5; 149; 45Eps Per ; 2.89; 30000;occ; 69; 0;40695  
 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  
 24; 4140.1; 12-DEC-2009 02:03:41; Bright; 42.5; 39; 85Eta UMa ; 1.85; 24000;occ; 85; 0;40695  
 25; 4332.8; 12-DEC-2009 02:06:54; Bright; 34.0; 180; 27Gam Boo ; 3.04; 8000;occ; 68; 0;40695  
 26; 4713.8; 12-DEC-2009 02:13:15; Bright; 38.0; 111; 8Eta Boo ; 2.68; 6000;occ; 76; 0;40695  
 27; 4934.0; 12-DEC-2009 02:16:55; Bright; 67.5; 138; 47Eps Vir ; 2.83; 4700;occ; 135; 0;40695

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1; -747.1; 12-DEC-2009 02:22:50; Dark ; 49.0; 15; 67Alp Vir ; 0.98; 28000;occ; 98; 0;40695



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3; -324.0; 12-DEC-2009 02:29:53; Dark ; 53.5; 171; 2Eps Crv ; 3.00; 4250;occ; 107; 0;40695  
4; -92.9; 12-DEC-2009 02:33:44; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40695  
5; 1.0; 12-DEC-2009 02:35:18; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;40696  
6; 220.0; 12-DEC-2009 02:38:57; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;40696  
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  
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11; 1034.9; 12-DEC-2009 02:52:32; Dark ; 53.5; 117; Pi Pup ; 2.71; 3800;occ; 107; 0;40696  
12; 1238.7; 12-DEC-2009 02:55:56; Dark ; 58.0; 23; 21Eps CMA ; 1.50; 26000;occ; 116; 0;40696  
13; 1529.5; 12-DEC-2009 03:00:46; Dark ; 53.5; 47; 2Bet CMA ; 1.98; 28000;occ; 107; 0;40696  
14; 1748.1; 12-DEC-2009 03:04:25; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;40696  
15; 1892.3; 12-DEC-2009 03:06:49; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40696  
16; 2037.9; 12-DEC-2009 03:09:15; Dark ; 51.5; 27; 24Gam Ori ; 1.64; 26000;occ; 103; 0;40696  
17; 2195.8; 12-DEC-2009 03:11:53; Dark ; 55.5; 13; 87Alp Tau ; 0.87; 3800;occ; 111; 0;40696  
18; 2350.8; 12-DEC-2009 03:14:28; Bright; 49.0; 176; 23Zet Tau ; 3.02; 22000;occ; 98; 0;40696  
19; 2450.9; 12-DEC-2009 03:16:08; Bright; 38.0; 150; 44Zet Per ; 2.89; 28000;occ; 76; 0;40696  
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21; 2702.8; 12-DEC-2009 03:20:20; Bright; 30.0; 107; 37The Aur ; 2.65; 11000;occ; 60; 0;40696  
22; 2762.8; 12-DEC-2009 03:21:20; Bright; 45.0; 6; 13Alp Aur ; 0.08; 3400;occ; 90; 0;40696

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1; -2279.1; 12-DEC-2009 03:37:54; Bright; 49.5; 36; 50Alp UMA ; 1.80; 6300;occ; 99; 0;40696  
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3; -1896.0; 12-DEC-2009 03:44:17; Bright; 56.0; 39; 85Eta UMA ; 1.85; 24000;occ; 112; 0;40696  
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5; -1322.2; 12-DEC-2009 03:53:51; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40696  
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7; -746.8; 12-DEC-2009 04:03:26; Dark ; 50.0; 15; 67Alp Vir ; 0.98; 28000;occ; 100; 0;40696  
8; -537.8; 12-DEC-2009 04:06:55; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40696  
9; -418.8; 12-DEC-2009 04:08:54; Dark ; 52.0; 100; 4Gam Crv ; 2.58; 13100;occ; 104; 0;40696  
10; -322.8; 12-DEC-2009 04:10:30; Dark ; 56.5; 171; 2Eps Crv ; 3.00; 4250;occ; 113; 0;40696  
11; -92.2; 12-DEC-2009 04:14:21; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40696  
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13; 221.0; 12-DEC-2009 04:19:34; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40697  
14; 462.5; 12-DEC-2009 04:23:35; Dark ; 46.5; 71; Iot Car ; 2.25; 7700;occ; 93; 0;40697  
15; 537.1; 12-DEC-2009 04:24:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40697  
16; 736.6; 12-DEC-2009 04:28:10; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;40697  
17; 882.1; 12-DEC-2009 04:30:35; Dark ; 45.0; 2; Alp Car ; -0.74; 7000;occ; 90; 0;40697  
18; 1035.4; 12-DEC-2009 04:33:08; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;40697  
19; 1239.0; 12-DEC-2009 04:36:32; Dark ; 58.0; 23; 21Eps CMA ; 1.50; 26000;occ; 116; 0;40697  
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21; 1748.1; 12-DEC-2009 04:45:01; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;40697  
22; 1892.0; 12-DEC-2009 04:47:25; Dark ; 52.0; 30; 46Eps Ori ; 1.69; 30000;occ; 104; 0;40697  
23; 2037.7; 12-DEC-2009 04:49:51; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;40697  
24; 2195.6; 12-DEC-2009 04:52:29; Dark ; 51.0; 13; 87Alp Tau ; 0.87; 3800;occ; 102; 0;40697  
25; 2350.3; 12-DEC-2009 04:55:03; Bright; 46.5; 176; 23Zet Tau ; 3.02; 22000;occ; 93; 0;40697  
26; 2450.9; 12-DEC-2009 04:56:44; Bright; 37.5; 150; 44Zet Per ; 2.89; 28000;occ; 75; 0;40697  
27; 2590.5; 12-DEC-2009 04:59:03; Bright; 35.0; 149; 45Eps Per ; 2.89; 30000;occ; 70; 0;40697  
28; 2701.9; 12-DEC-2009 05:00:55; Bright; 30.0; 107; 37The Aur ; 2.65; 11000;occ; 60; 0;40697  
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27; 7075.3; 12-DEC-2009 14:36:48; Dark ; 52.0; 117; Pi Pup ; 2.71; 3800;occ; 104; 0;40702
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19; 5625.6; 12-DEC-2009 15:53:14; Dark ; 55.0; 100; 4Gam Crv ; 2.58; 13100;occ; 110; 0;40703
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27; 6921.1; 12-DEC-2009 16:14:50; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;40703
28; 7076.1; 12-DEC-2009 16:17:25; Dark ; 53.5; 117; Pi Pup ; 2.71; 3800;occ; 107; 0;40703
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13; 3992.2; 12-DEC-2009 17:06:37; Bright; 47.0; 32; 77Eps UMa ; 1.76; 11000;occ; 94; 0;40704
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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
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18; 5294.4; 12-DEC-2009 17:28:19; Dark ; 50.0; 15; 67Alp Vir ; 0.98; 28000;occ; 100; 0;40704
19; 5503.5; 12-DEC-2009 17:31:48; Dark ; 48.0; 169; 46Gam Hya ; 2.99; 4700;occ; 96; 0;40704

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 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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 8; 2468.3; 12-DEC-2009 18:21:49; Bright; 46.0; 28; 12Bet Tau ; 1.65; 15200;occ; 92; 0;40705  
 9; 2589.8; 12-DEC-2009 18:23:50; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40705  
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 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  
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 13; 2822.9; 12-DEC-2009 20:08:19; Bright; 46.5; 42; 34Bet Aur ; 1.90; 10200;occ; 93; 0;40706  
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23; 2822.1; 12-DEC-2009 21:48:55; Bright; 66.0; 42; 34Bet Aur ; 1.90; 10200;occ; 132; 0;40707  
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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  
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29; 4940.7; 12-DEC-2009 22:24:13; Bright; 54.0; 138; 47Eps Vir ; 2.83; 4700;occ; 108; 0;40707  
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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  
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 6; 2462.7; 13-DEC-2009 14:28:54; Bright; 46.0; 28; 12Bet Tau ; 1.65; 15200;occ; 92; 0;40717  
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 13; 3989.8; 13-DEC-2009 16:34:57; Bright; 47.5; 32; 77Eps UMa ; 1.76; 11000;occ; 95; 0;40718  
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 15; 4334.9; 13-DEC-2009 16:40:43; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40718  
 16; 4720.4; 13-DEC-2009 16:47:08; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;40718  
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 28; 6927.4; 13-DEC-2009 17:23:55; Dark ; 55.0; 2; Alp Car ; -0.74; 7000;occ; 110; 0;40718  
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 16; 4335.3; 13-DEC-2009 18:21:19; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;40719  
 17; 4720.7; 13-DEC-2009 18:27:44; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;40719  
 18; 4948.1; 13-DEC-2009 18:31:32; Bright; 70.0; 138; 47Eps Vir ; 2.83; 4700;occ; 140; 0;40719  
 19; 5304.1; 13-DEC-2009 18:37:28; Dark ; 51.5; 15; 67Alp Vir ; 0.98; 28000;occ; 103; 0;40719  
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 21; 5645.3; 13-DEC-2009 18:43:09; Dark ; 55.0; 100; 4Gam Crv ; 2.58; 13100;occ; 110; 0;40719  
 22; 5741.0; 13-DEC-2009 18:44:45; Dark ; 56.0; 171; 2Eps Crv ; 3.00; 4250;occ; 112; 0;40719  
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22; 5646.6; 13-DEC-2009 20:23:46; Dark ; 56.0; 100; 4Gam Crv ; 2.58; 13100;occ; 112; 0;40720
23; 5742.3; 13-DEC-2009 20:25:22; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;40720
24; 5957.6; 13-DEC-2009 20:28:57; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40720
25; 6053.6; 13-DEC-2009 20:30:33; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;40720
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17; 779.8; 16-DEC-2009 07:24:13; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40756
18; 907.4; 16-DEC-2009 07:26:21; Dark ; 50.0; 70; Zet Pup ; 2.25; 39000;occ; 100; 0;40756
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 6; 2446.6; 16-DEC-2009 07:52:00; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;40756  
 7; 2662.2; 16-DEC-2009 07:55:36; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;40756  
 8; 2792.6; 16-DEC-2009 07:57:46; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;40756  
 9; 3704.6; 16-DEC-2009 08:12:58; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40756  
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 12; 4338.5; 16-DEC-2009 08:23:32; Bright; 55.0; 180; 27Gam Boo ; 3.04; 8000;occ; 110; 0;40756  
 13; 4531.6; 16-DEC-2009 08:26:45; Bright; 54.0; 83; ; 2.38; 11000;occ; 108; 0;40756  
 14; 4731.8; 16-DEC-2009 08:30:05; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;40756  
 15; 4972.0; 16-DEC-2009 08:34:06; Bright; 48.0; 138; 47Eps Vir ; 2.83; 4700;occ; 96; 0;40756  
 16; 5330.3; 16-DEC-2009 08:40:04; Dark ; 48.5; 15; 67Alp Vir ; 0.98; 28000;occ; 97; 0;40756  
 17; 5540.4; 16-DEC-2009 08:43:34; Dark ; 47.5; 169; 46Gam Hya ; 2.99; 4700;occ; 95; 0;40756  
 18; 5691.9; 16-DEC-2009 08:46:05; Dark ; 51.0; 106; 9Bet Crv ; 2.65; 5600;occ; 102; 0;40756  
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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  
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 26; 6944.2; 16-DEC-2009 09:06:58; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;40756  
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 28; 7251.6; 16-DEC-2009 09:12:05; Dark ; 26.0; 88; 31Eta CMa ; 2.45; 20000;occ; 52; 0;40756  
 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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 11; 4137.4; 16-DEC-2009 10:00:47; Bright; 58.0; 39; 85Eta UMa ; 1.85; 24000;occ; 116; 0;40757  
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 13; 4531.7; 16-DEC-2009 10:07:21; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;40757  
 14; 4732.1; 16-DEC-2009 10:10:42; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;40757  
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9; 2791.4; 16-DEC-2009 11:18:57; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;40758
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16; 4973.9; 16-DEC-2009 13:35:55; Bright; 39.0; 138; 47Eps Vir ; 2.83; 4700;occ; 78; 0;40759
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23; 6312.7; 16-DEC-2009 13:58:14; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40759
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 2; 1750.9; 17-DEC-2009 12:10:35; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0;40773  
 3; 1883.5; 17-DEC-2009 12:12:48; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;40773  
 4; 2067.9; 17-DEC-2009 12:15:52; Dark ; 57.5; 14; 58Alp Ori ; 0.87; 3000;occ; 115; 0;40773  
 5; 2189.2; 17-DEC-2009 12:17:54; Dark ; 50.0; 13; 87Alp Tau ; 0.87; 3800;occ; 100; 0;40773  
 6; 2316.7; 17-DEC-2009 12:20:01; Bright; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;40773  
 7; 2440.2; 17-DEC-2009 12:22:05; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;40773  
 8; 2651.9; 17-DEC-2009 12:25:36; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;40773  
 9; 2783.2; 17-DEC-2009 12:27:48; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;40773  
 10; 3704.1; 17-DEC-2009 12:43:09; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;40773  
 11; 3977.8; 17-DEC-2009 12:47:42; Bright; 43.0; 32; 77Eps UMA ; 1.76; 11000;occ; 86; 0;40773  
 12; 4136.4; 17-DEC-2009 12:50:21; Bright; 58.0; 39; 85Eta UMA ; 1.85; 24000;occ; 116; 0;40773  
 13; 4534.7; 17-DEC-2009 12:56:59; Bright; 54.0; 83; ; 2.38; 11000;occ; 108; 0;40773  
 14; 4737.5; 17-DEC-2009 13:00:22; Bright; 42.5; 111; 8Eta Boo ; 2.68; 6000;occ; 85; 0;40773  
 15; 5343.1; 17-DEC-2009 13:10:27; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;40773  
 16; 5634.0; 17-DEC-2009 13:15:18; Dark ; 31.0; 163; 7Del Crv ; 2.94; 11000;occ; 62; 0;40773  
 17; 5710.7; 17-DEC-2009 13:16:35; Dark ; 56.5; 106; 9Bet Crv ; 2.65; 5600;occ; 113; 0;40773  
 18; 5990.7; 17-DEC-2009 13:21:15; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;40773  
 19; 6090.0; 17-DEC-2009 13:22:54; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40773  
 20; 6325.2; 17-DEC-2009 13:26:50; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40773  
 21; 6546.4; 17-DEC-2009 13:30:31; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40773  
 22; 6631.2; 17-DEC-2009 13:31:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40773  
 23; 6828.1; 17-DEC-2009 13:35:13; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;40773  
 24; 6956.9; 17-DEC-2009 13:37:21; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40773  
 25; 7116.2; 17-DEC-2009 13:40:01; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;40773  
 26; 7308.5; 17-DEC-2009 13:43:13; Dark ; 53.5; 23; 21Eps CMa ; 1.50; 26000;occ; 107; 0;40773  
 27; 7414.8; 17-DEC-2009 13:44:59; Dark ; 49.5; 179; 240mi2CMa ; 3.03; 24000;occ; 99; 0;40773

/nas3/ENVISAT/GOMOS/GOM\_NL\_0P/GOM\_NL\_0PNPDK20091217\_134741\_000058852085\_00139\_40774\_5796.N1

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

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091217\_152535\_000057882085\_00140\_40775\_5797.N1

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

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091217\_170426\_000057362085\_00141\_40776\_5798.N1

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

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091217\_184150\_000057962085\_00142\_40777\_5799.N1

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

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20091218\_005444\_000048392085\_00145\_40780\_9148.N1

1; -687.4; 18-DEC-2009 00:54:44; Dark ; 54.5; 15; 67Alp Vir ; 0.98; 28000;occ; 109; 0;40780  
2; -317.3; 18-DEC-2009 01:00:55; Dark ; 54.5; 106; 9Bet Crv ; 2.65; 5600;occ; 109; 0;40780  
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  
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 8; 2310.5; 18-DEC-2009 16:50:06; Bright; 41.0; 176; 23Zet Tau ; 3.02; 22000;occ; 82; 0;40790  
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 11; 2773.8; 18-DEC-2009 16:57:49; Bright; 42.5; 42; 34Bet Aur ; 1.90; 10200;occ; 85; 0;40790  
 12; 3703.9; 18-DEC-2009 17:13:19; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;40790  
 13; 3973.7; 18-DEC-2009 17:17:49; Bright; 63.0; 32; 77Eps UMa ; 1.76; 11000;occ; 126; 0;40790  
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 15; 4341.5; 18-DEC-2009 17:23:57; Bright; 56.0; 180; 27Gam Boo ; 3.04; 8000;occ; 112; 0;40790  
 16; 4537.8; 18-DEC-2009 17:27:13; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;40790  
 17; 4743.0; 18-DEC-2009 17:30:38; Bright; 50.0; 111; 8Eta Boo ; 2.68; 6000;occ; 100; 0;40790  
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 19; 5567.2; 18-DEC-2009 17:44:23; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40790  
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 23; 6340.5; 18-DEC-2009 17:57:16; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40790  
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 27; 6969.2; 18-DEC-2009 18:07:45; Dark ; 50.0; 70; Zet Pup ; 2.25; 39000;occ; 100; 0;40790  
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 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  
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 26; 6644.4; 18-DEC-2009 19:42:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40791  
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 22; 2727.1; 19-DEC-2009 01:20:02; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;40795  
 23; 3703.2; 19-DEC-2009 01:36:18; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40795  
 24; 3972.3; 19-DEC-2009 01:40:47; Bright; 55.5; 32; 77Eps UMa ; 1.76; 11000;occ; 111; 0;40795  
 25; 4134.4; 19-DEC-2009 01:43:29; Bright; 53.5; 39; 85Eta UMa ; 1.85; 24000;occ; 107; 0;40795  
 26; 4341.7; 19-DEC-2009 01:46:57; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;40795  
 27; 4538.5; 19-DEC-2009 01:50:13; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;40795  
 28; 4744.6; 19-DEC-2009 01:53:40; Bright; 42.5; 111; 8Eta Boo ; 2.68; 6000;occ; 85; 0;40795

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 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  
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 13; 1385.5; 19-DEC-2009 02:38:16; Dark ; 51.0; 179; 240mi2CMa ; 3.03; 24000;occ; 102; 0;40796  
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 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  
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 22; 2726.8; 19-DEC-2009 03:00:38; Bright; 44.0; 6; 13Alp Aur ; 0.08; 3400;occ; 88; 0;40796

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 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  
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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; 834.1; 22-DEC-2009 00:54:14; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40838  
 11; 965.0; 22-DEC-2009 00:56:25; Dark ; 50.0; 70; Zet Pup ; 2.25; 39000;occ; 100; 0;40838  
 12; 1112.5; 22-DEC-2009 00:58:53; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;40838  
 13; 1296.5; 22-DEC-2009 01:01:57; Dark ; 50.0; 23; 21Eps CMa ; 1.50; 26000;occ; 100; 0;40838  
 14; 1397.8; 22-DEC-2009 01:03:38; Dark ; 49.0; 179; 240mi2CMa ; 3.03; 24000;occ; 98; 0;40838  
 15; 1564.7; 22-DEC-2009 01:06:25; Dark ; 56.5; 1; 9Alp CMa ; -1.44; 11000;occ; 113; 0;40838  
 16; 1754.6; 22-DEC-2009 01:09:35; Dark ; 46.5; 7; 19Bet Ori ; 0.10; 14000;occ; 93; 0;40838  
 17; 1879.1; 22-DEC-2009 01:11:39; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;40838  
 18; 2051.2; 22-DEC-2009 01:14:31; Dark ; 57.0; 14; 58Alp Ori ; 0.87; 3000;occ; 114; 0;40838  
 19; 2295.8; 22-DEC-2009 01:18:36; Bright; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;40838  
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 21; 2617.9; 22-DEC-2009 01:23:58; Bright; 62.0; 107; 37The Aur ; 2.65; 11000;occ; 124; 0;40838  
 22; 2715.5; 22-DEC-2009 01:25:36; Bright; 45.0; 6; 13Alp Aur ; 0.08; 3400;occ; 90; 0;40838  
 23; 3701.5; 22-DEC-2009 01:42:02; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;40838  
 24; 3960.9; 22-DEC-2009 01:46:21; Bright; 46.0; 32; 77Eps UMA ; 1.76; 11000;occ; 92; 0;40838  
 25; 4130.5; 22-DEC-2009 01:49:11; Bright; 60.0; 39; 85Eta UMA ; 1.85; 24000;occ; 120; 0;40838  
 26; 4345.2; 22-DEC-2009 01:52:45; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;40838  
 27; 4546.2; 22-DEC-2009 01:56:06; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;40838  
 28; 4760.3; 22-DEC-2009 01:59:40; Bright; 64.5; 111; 8Eta Boo ; 2.68; 6000;occ; 129; 0;40838

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1; -637.9; 22-DEC-2009 02:10:18; Dark ; 55.0; 15; 67Alp Vir ; 0.98; 28000;occ; 110; 0;40838  
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 3; -245.8; 22-DEC-2009 02:16:50; Dark ; 57.0; 106; 9Bet Crv ; 2.65; 5600;occ; 114; 0;40838  
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 5; 98.5; 22-DEC-2009 02:22:35; Dark ; 41.0; 26; Gam Cru ; 1.62; 2900;occ; 82; 0;40839  
 6; 348.0; 22-DEC-2009 02:26:44; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40839  
 7; 549.7; 22-DEC-2009 02:30:06; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;40839  
 8; 641.7; 22-DEC-2009 02:31:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40839  
 9; 729.4; 22-DEC-2009 02:33:06; Dark ; 61.0; 65; Lam Vel ; 2.20; 4400;occ; 122; 0;40839  
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 11; 965.7; 22-DEC-2009 02:37:02; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;40839  
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 13; 1296.7; 22-DEC-2009 02:42:33; Dark ; 48.0; 23; 21Eps CMa ; 1.50; 26000;occ; 96; 0;40839  
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 17; 1879.5; 22-DEC-2009 02:52:16; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;40839  
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 19; 2295.7; 22-DEC-2009 02:59:12; Bright; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;40839  
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 21; 2617.5; 22-DEC-2009 03:04:34; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;40839  
 22; 2715.4; 22-DEC-2009 03:06:11; Bright; 44.0; 6; 13Alp Aur ; 0.08; 3400;occ; 88; 0;40839

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1;-2334.5; 22-DEC-2009 03:22:38; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40839  
 2;-2075.2; 22-DEC-2009 03:26:57; Bright; 47.5; 32; 77Eps UMa ; 1.76; 11000;occ; 95; 0;40839  
 3;-1905.3; 22-DEC-2009 03:29:47; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;40839  
 4;-1690.6; 22-DEC-2009 03:33:21; Bright; 57.0; 180; 27Gam Boo ; 3.04; 8000;occ; 114; 0;40839  
 5;-1489.7; 22-DEC-2009 03:36:42; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;40839  
 6;-1275.4; 22-DEC-2009 03:40:17; Bright; 65.0; 111; 8Eta Boo ; 2.68; 6000;occ; 130; 0;40839  
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 8; -357.2; 22-DEC-2009 03:55:35; Dark ; 45.0; 54; 5The Cen ; 2.06; 4500;occ; 90; 0;40839  
 9; -244.6; 22-DEC-2009 03:57:27; Dark ; 56.5; 106; 9Bet Crv ; 2.65; 5600;occ; 113; 0;40839  
 10; -0.8; 22-DEC-2009 04:01:31; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;40839  
 11; 99.3; 22-DEC-2009 04:03:11; Dark ; 44.0; 26; Gam Cru ; 1.62; 2900;occ; 88; 0;40840  
 12; 349.0; 22-DEC-2009 04:07:21; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;40840  
 13; 550.4; 22-DEC-2009 04:10:42; Dark ; 44.0; 71; Iot Car ; 2.25; 7700;occ; 88; 0;40840  
 14; 642.4; 22-DEC-2009 04:12:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40840  
 15; 730.4; 22-DEC-2009 04:13:43; Dark ; 55.5; 65; Lam Vel ; 2.20; 4400;occ; 111; 0;40840  
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 17; 966.5; 22-DEC-2009 04:17:39; Dark ; 49.5; 70; Zet Pup ; 2.25; 39000;occ; 99; 0;40840  
 18; 1113.7; 22-DEC-2009 04:20:06; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;40840  
 19; 1297.4; 22-DEC-2009 04:23:09; Dark ; 50.0; 23; 21Eps CMa ; 1.50; 26000;occ; 100; 0;40840  
 20; 1398.4; 22-DEC-2009 04:24:50; Dark ; 50.0; 179; 240mi2CMa ; 3.03; 24000;occ; 100; 0;40840  
 21; 1565.0; 22-DEC-2009 04:27:37; Dark ; 56.5; 1; 9Alp CMa ; -1.44; 11000;occ; 113; 0;40840  
 22; 1755.1; 22-DEC-2009 04:30:47; Dark ; 47.0; 7; 19Bet Ori ; 0.10; 14000;occ; 94; 0;40840  
 23; 1879.4; 22-DEC-2009 04:32:51; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;40840  
 24; 2050.9; 22-DEC-2009 04:35:43; Dark ; 61.0; 14; 58Alp Ori ; 0.87; 3000;occ; 122; 0;40840  
 25; 2295.5; 22-DEC-2009 04:39:48; Bright; 41.5; 176; 23Zet Tau ; 3.02; 22000;occ; 83; 0;40840  
 26; 2420.1; 22-DEC-2009 04:41:52; Bright; 41.5; 28; 12Bet Tau ; 1.65; 15200;occ; 83; 0;40840  
 27; 2617.2; 22-DEC-2009 04:45:09; Bright; 41.0; 107; 37The Aur ; 2.65; 11000;occ; 82; 0;40840  
 28; 2715.2; 22-DEC-2009 04:46:47; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;40840  
 29; 3701.5; 22-DEC-2009 05:03:14; Bright; 11.5; 60; 7Bet UMi ; 2.08; 3950;occ; 23; 0;40840

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1;-2334.5; 22-DEC-2009 05:03:14; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;40840  
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 3;-1905.5; 22-DEC-2009 05:10:23; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;40840  
 4;-1690.5; 22-DEC-2009 05:13:58; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;40840  
 5;-1489.3; 22-DEC-2009 05:17:19; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;40840  
 6;-1274.8; 22-DEC-2009 05:20:53; Bright; 65.0; 111; 8Eta Boo ; 2.68; 6000;occ; 130; 0;40840  
 7; -636.0; 22-DEC-2009 05:31:32; Dark ; 56.5; 15; 67Alp Vir ; 0.98; 28000;occ; 113; 0;40840  
 8; -356.8; 22-DEC-2009 05:36:11; Dark ; 43.5; 54; 5The Cen ; 2.06; 4500;occ; 87; 0;40840  
 9; -243.4; 22-DEC-2009 05:38:05; Dark ; 67.5; 106; 9Bet Crv ; 2.65; 5600;occ; 135; 0;40840  
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 11; 99.8; 22-DEC-2009 05:43:48; Dark ; 43.5; 26; Gam Cru ; 1.62; 2900;occ; 87; 0;40841  
 12; 349.9; 22-DEC-2009 05:47:58; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40841  
 13; 551.1; 22-DEC-2009 05:51:19; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;40841  
 14; 643.0; 22-DEC-2009 05:52:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40841  
 15; 731.2; 22-DEC-2009 05:54:19; Dark ; 56.5; 65; Lam Vel ; 2.20; 4400;occ; 113; 0;40841  
 16; 836.3; 22-DEC-2009 05:56:04; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;40841  
 17; 967.2; 22-DEC-2009 05:58:15; Dark ; 47.5; 70; Zet Pup ; 2.25; 39000;occ; 95; 0;40841  
 18; 1114.3; 22-DEC-2009 06:00:42; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;40841  
 19; 1297.6; 22-DEC-2009 06:03:46; Dark ; 51.0; 23; 21Eps CMa ; 1.50; 26000;occ; 102; 0;40841  
 20; 1398.8; 22-DEC-2009 06:05:27; Dark ; 49.0; 179; 240mi2CMa ; 3.03; 24000;occ; 98; 0;40841  
 21; 1565.0; 22-DEC-2009 06:08:13; Dark ; 56.0; 1; 9Alp CMa ; -1.44; 11000;occ; 112; 0;40841  
 22; 1755.3; 22-DEC-2009 06:11:23; Dark ; 44.5; 7; 19Bet Ori ; 0.10; 14000;occ; 89; 0;40841  
 23; 1879.5; 22-DEC-2009 06:13:28; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;40841  
 24; 2050.6; 22-DEC-2009 06:16:19; Dark ; 52.5; 14; 58Alp Ori ; 0.87; 3000;occ; 105; 0;40841  
 25; 2295.3; 22-DEC-2009 06:20:23; Bright; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;40841  
 26; 2419.8; 22-DEC-2009 06:22:28; Bright; 40.0; 28; 12Bet Tau ; 1.65; 15200;occ; 80; 0;40841  
 27; 2616.7; 22-DEC-2009 06:25:45; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;40841  
 28; 2715.0; 22-DEC-2009 06:27:23; Bright; 40.0; 6; 13Alp Aur ; 0.08; 3400;occ; 80; 0;40841

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1;-2334.4; 22-DEC-2009 06:43:50; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;40841  
 2;-2075.9; 22-DEC-2009 06:48:08; Bright; 64.0; 32; 77Eps UMa ; 1.76; 11000;occ; 128; 0;40841  
 3;-1905.7; 22-DEC-2009 06:50:58; Bright; 60.0; 39; 85Eta UMa ; 1.85; 24000;occ; 120; 0;40841  
 4;-1690.5; 22-DEC-2009 06:54:34; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40841  
 5;-1488.8; 22-DEC-2009 06:57:55; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;40841  
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 13; 551.6; 22-DEC-2009 07:31:56; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40842  
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 19; 1297.9; 22-DEC-2009 07:44:22; Dark ; 50.0; 23; 21Eps CMa ; 1.50; 26000;occ; 100; 0;40842  
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 4; 1879.3; 22-DEC-2009 07:54:03; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;40842  
 5; 2050.4; 22-DEC-2009 07:56:54; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;40842  
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 7; 2419.7; 22-DEC-2009 08:03:04; Bright; 41.5; 28; 12Bet Tau ; 1.65; 15200;occ; 83; 0;40842  
 8; 2616.3; 22-DEC-2009 08:06:20; Bright; 41.0; 107; 37The Aur ; 2.65; 11000;occ; 82; 0;40842  
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 10; 3701.4; 22-DEC-2009 08:24:25; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40842  
 11; 3959.7; 22-DEC-2009 08:28:44; Bright; 45.5; 32; 77Eps UMa ; 1.76; 11000;occ; 91; 0;40842  
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 13; 4345.5; 22-DEC-2009 08:35:10; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;40842  
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 22; 6588.1; 22-DEC-2009 09:12:32; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40842  
 23; 6680.3; 22-DEC-2009 09:14:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40842  
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 27; 7151.2; 22-DEC-2009 09:21:55; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;40842  
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 29; 7435.0; 22-DEC-2009 09:26:39; Dark ; 49.5; 179; 240mi2CMa ; 3.03; 24000;occ; 99; 0;40842  
 30; 7601.2; 22-DEC-2009 09:29:25; Dark ; 53.0; 1; 9Alp CMa ; -1.44; 11000;occ; 106; 0;40842

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 3; 2050.2; 22-DEC-2009 09:37:30; Dark ; 60.5; 14; 58Alp Ori ; 0.87; 3000;occ; 121; 0;40843  
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 6; 2615.8; 22-DEC-2009 09:46:56; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;40843  
 7; 2714.5; 22-DEC-2009 09:48:34; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;40843  
 8; 3701.3; 22-DEC-2009 10:05:01; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;40843  
 9; 3959.7; 22-DEC-2009 10:09:20; Bright; 45.5; 32; 77Eps UMa ; 1.76; 11000;occ; 91; 0;40843  
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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  
 24; 4346.1; 23-DEC-2009 01:21:09; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40852  
 25; 4549.0; 23-DEC-2009 01:24:32; Bright; 56.0; 83; ; 2.38; 11000;occ; 112; 0;40852  
 26; 4765.8; 23-DEC-2009 01:28:09; Bright; 65.5; 111; 8Eta Boo ; 2.68; 6000;occ; 131; 0;40852

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 13; 4129.7; 22-DEC-2009 16:54:33; Bright; 43.5; 39; 85Eta UMa ; 1.85; 24000;occ; 87; 0;40847  
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 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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13; 3701.2; 22-DEC-2009 18:28:01; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;40848  
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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  
 17; 4548.3; 22-DEC-2009 18:42:08; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;40848  
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 19; 5407.5; 22-DEC-2009 18:56:27; Dark ; 55.0; 15; 67Alp Vir ; 0.98; 28000;occ; 110; 0;40848  
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 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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 13; 2713.0; 22-DEC-2009 19:52:09; Bright; 45.0; 6; 13Alp Aur ; 0.08; 3400;occ; 90; 0;40849  
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 17; 4346.1; 22-DEC-2009 20:19:22; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40849  
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 22; 5804.6; 22-DEC-2009 20:43:40; Dark ; 55.0; 106; 9Bet Crv ; 2.65; 5600;occ; 110; 0;40849  
 23; 6042.4; 22-DEC-2009 20:47:38; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40849  
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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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 13; 1402.0; 23-DEC-2009 02:12:41; Dark ; 49.0; 179; 240mi2CMa ; 3.03; 24000;occ; 98; 0;40853  
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19; 1566.6; 23-DEC-2009 03:56:02; Dark ; 52.5; 1; 9Alp CMa ; -1.44; 11000;occ; 105; 0;40854
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26; 2610.5; 23-DEC-2009 05:54:02; Bright; 41.5; 107; 37The Aur ; 2.65; 11000;occ; 83; 0;40855
27; 2711.8; 23-DEC-2009 05:55:43; Bright; 43.0; 6; 13Alp Aur ; 0.08; 3400;occ; 86; 0;40855
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3; 1124.8; 23-DEC-2009 20:34:39; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;40864
4; 1305.5; 23-DEC-2009 20:37:40; Dark ; 49.5; 23; 21Eps CMa ; 1.50; 26000;occ; 99; 0;40864
5; 1405.2; 23-DEC-2009 20:39:20; Dark ; 49.5; 179; 240mi2CMa ; 3.03; 24000;occ; 99; 0;40864
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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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 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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 26; 4771.0; 23-DEC-2009 23:16:02; Bright; 65.5; 111; 8Eta Boo ; 2.68; 6000;occ; 131; 0;40865

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 3; 17.8; 23-DEC-2009 23:37:24; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;40866  
 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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 15; 1878.9; 24-DEC-2009 00:08:25; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;40866  
 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  
 24; 4347.4; 24-DEC-2009 00:49:34; Bright; 58.0; 180; 27Gam Boo ; 3.04; 8000;occ; 116; 0;40866  
 25; 4551.4; 24-DEC-2009 00:52:58; Bright; 57.0; 83; ; 2.38; 11000;occ; 114; 0;40866  
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 4; -1689.6; 23-DEC-2009 06:22:58; Bright; 57.0; 180; 27Gam Boo ; 3.04; 8000;occ; 114; 0;40855

5; -1486.5; 23-DEC-2009 06:26:21; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;40855  
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7; -622.0; 23-DEC-2009 06:40:45; Dark ; 56.5; 15; 67Alp Vir ; 0.98; 28000;occ; 113; 0;40855  
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13; 559.9; 23-DEC-2009 07:00:27; Dark ; 49.5; 71; Iot Car ; 2.25; 7700;occ; 99; 0;40856  
14; 666.3; 23-DEC-2009 07:02:13; Dark ; 42.0; 41; Eps Car ; 1.86; 4100;occ; 84; 0;40856  
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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  
17; 1121.2; 23-DEC-2009 07:09:48; Dark ; 49.0; 117; Pi Pup ; 2.71; 3800;occ; 98; 0;40856  
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19; 1402.7; 23-DEC-2009 07:14:30; Dark ; 48.5; 179; 240mi2CMa ; 3.03; 24000;occ; 97; 0;40856  
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5; 2416.3; 23-DEC-2009 07:31:23; Bright; 41.5; 28; 12Bet Tau ; 1.65; 15200;occ; 83; 0;40856  
6; 2610.0; 23-DEC-2009 07:34:37; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;40856  
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  
14; 5415.1; 23-DEC-2009 08:21:22; Dark ; 56.0; 15; 67Alp Vir ; 0.98; 28000;occ; 112; 0;40856  
15; 5687.8; 23-DEC-2009 08:25:55; Dark ; 48.0; 54; 5The Cen ; 2.06; 4500;occ; 96; 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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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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11; 4128.3; 23-DEC-2009 11:21:07; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40858
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 18; 5715.4; 26-DEC-2009 15:14:31; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 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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 3; 1724.7; 26-DEC-2009 15:48:37; Dark ; 44.5; 56; 53Kap Ori ; 2.07; 30000;occ; 89; 0;40904  
 4; 1878.8; 26-DEC-2009 15:51:11; Dark ; 44.0; 30; 46Eps Ori ; 1.69; 30000;occ; 88; 0;40904  
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 7; 2406.7; 26-DEC-2009 15:59:58; Bright; 39.5; 28; 12Bet Tau ; 1.65; 15200;occ; 79; 0;40904  
 8; 2590.9; 26-DEC-2009 16:03:03; Bright; 40.5; 107; 37The Aur ; 2.65; 11000;occ; 81; 0;40904  
 9; 2702.3; 26-DEC-2009 16:04:54; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;40904  
 10; 3645.0; 26-DEC-2009 16:20:37; Bright; 48.0; 36; 50Alp UMa ; 1.80; 6300;occ; 96; 0;40904  
 11; 3940.3; 26-DEC-2009 16:25:32; Bright; 50.5; 32; 77Eps UMa ; 1.76; 11000;occ; 101; 0;40904  
 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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 16; 5312.5; 26-DEC-2009 16:48:24; Dark ; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;40904  
 17; 5464.8; 26-DEC-2009 16:50:57; Dark ; 60.0; 15; 67Alp Vir ; 0.98; 28000;occ; 120; 0;40904  
 18; 5715.9; 26-DEC-2009 16:55:08; Dark ; 44.0; 54; 5The Cen ; 2.06; 4500;occ; 88; 0;40904  
 19; 5842.3; 26-DEC-2009 16:57:14; Dark ; 45.0; 123; Iot Cen ; 2.75; 10200;occ; 90; 0;40904  
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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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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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15; 878.5; 27-DEC-2009 03:18:42; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 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
20; 1573.2; 27-DEC-2009 03:30:16; Dark ; 53.0; 1; 9Alp CMA ; -1.44; 11000;occ; 106; 0;40911
21; 1725.3; 27-DEC-2009 03:32:49; Dark ; 44.0; 56; 53Kap Ori ; 2.07; 30000;occ; 88; 0;40911
22; 1878.7; 27-DEC-2009 03:35:22; Dark ; 43.0; 30; 46Eps Ori ; 1.69; 30000;occ; 86; 0;40911
23; 2039.2; 27-DEC-2009 03:38:02; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;40911
24; 2257.5; 27-DEC-2009 03:41:41; Dark ; 67.0; 44; 24Gam Gem ; 1.93; 11000;occ; 134; 0;40911
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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2; -1914.8; 27-DEC-2009 07:33:57; Bright; 46.0; 39; 85Eta UMA ; 1.85; 24000;occ; 92; 0;40913
3; -1686.1; 27-DEC-2009 07:37:45; Bright; 59.0; 180; 27Gam Boo ; 3.04; 8000;occ; 118; 0;40913
4; -1475.2; 27-DEC-2009 07:41:16; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;40913
5; -1244.5; 27-DEC-2009 07:45:07; Bright; 70.0; 111; 8Eta Boo ; 2.68; 6000;occ; 140; 0;40913
6; -718.9; 27-DEC-2009 07:53:52; Dark ; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;40913
7; -561.0; 27-DEC-2009 07:56:30; Dark ; 59.0; 15; 67Alp Vir ; 0.98; 28000;occ; 118; 0;40913
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9; -185.8; 27-DEC-2009 08:02:46; Dark ; 44.5; 123; Iot Cen ; 2.75; 10200;occ; 89; 0;40913
10; 53.6; 27-DEC-2009 08:06:45; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;40914
11; 148.7; 27-DEC-2009 08:08:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40914
12; 416.2; 27-DEC-2009 08:12:48; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40914
13; 593.2; 27-DEC-2009 08:15:44; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;40914
14; 694.7; 27-DEC-2009 08:17:26; Dark ; 48.0; 41; Eps Car ; 1.86; 4100;occ; 96; 0;40914
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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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 16; 5192.0; 31-DEC-2009 15:48:55; Bright; 55.0; 104; 27Bet Lib ; 2.61; 13100;occ; 110; 0;40975  
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