

GOMOS Daily Report 15-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	18DEC2009 04:56:22
Data source version	GOMOS/5.00L04
Start time of products	15DEC2009 00:00:44
Stop time of products	15DEC2009 23:57:11
Store outputs in DB	Yes
Nb of level 1b prods	184
Nb of prods with errors	3

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

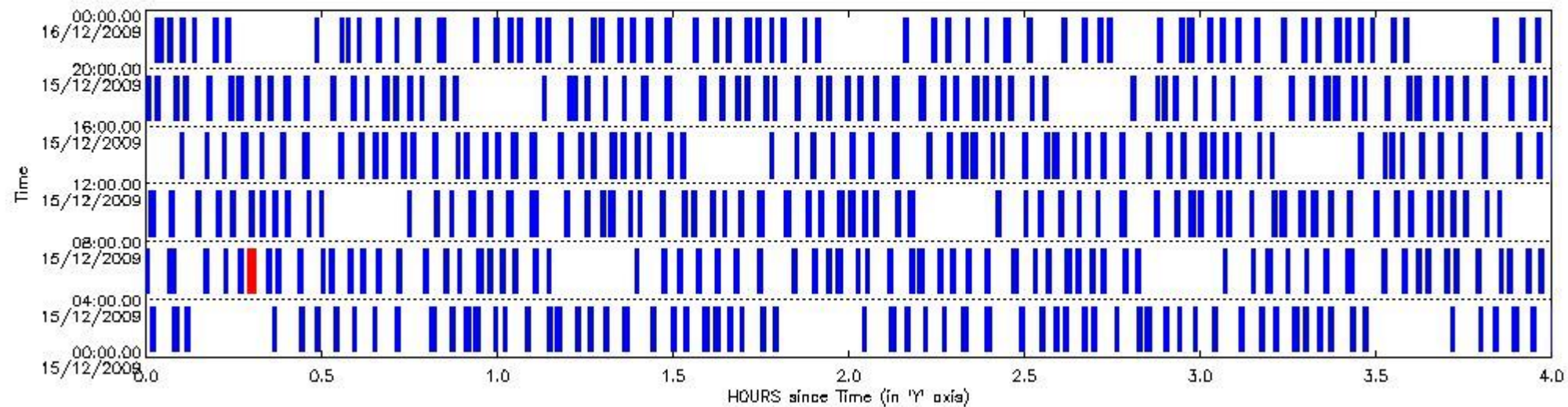
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
15-DEC-2009 04:17:16	2EpsCrv	171	40739

2.4 Summary of processed GOM_TRA_1P products

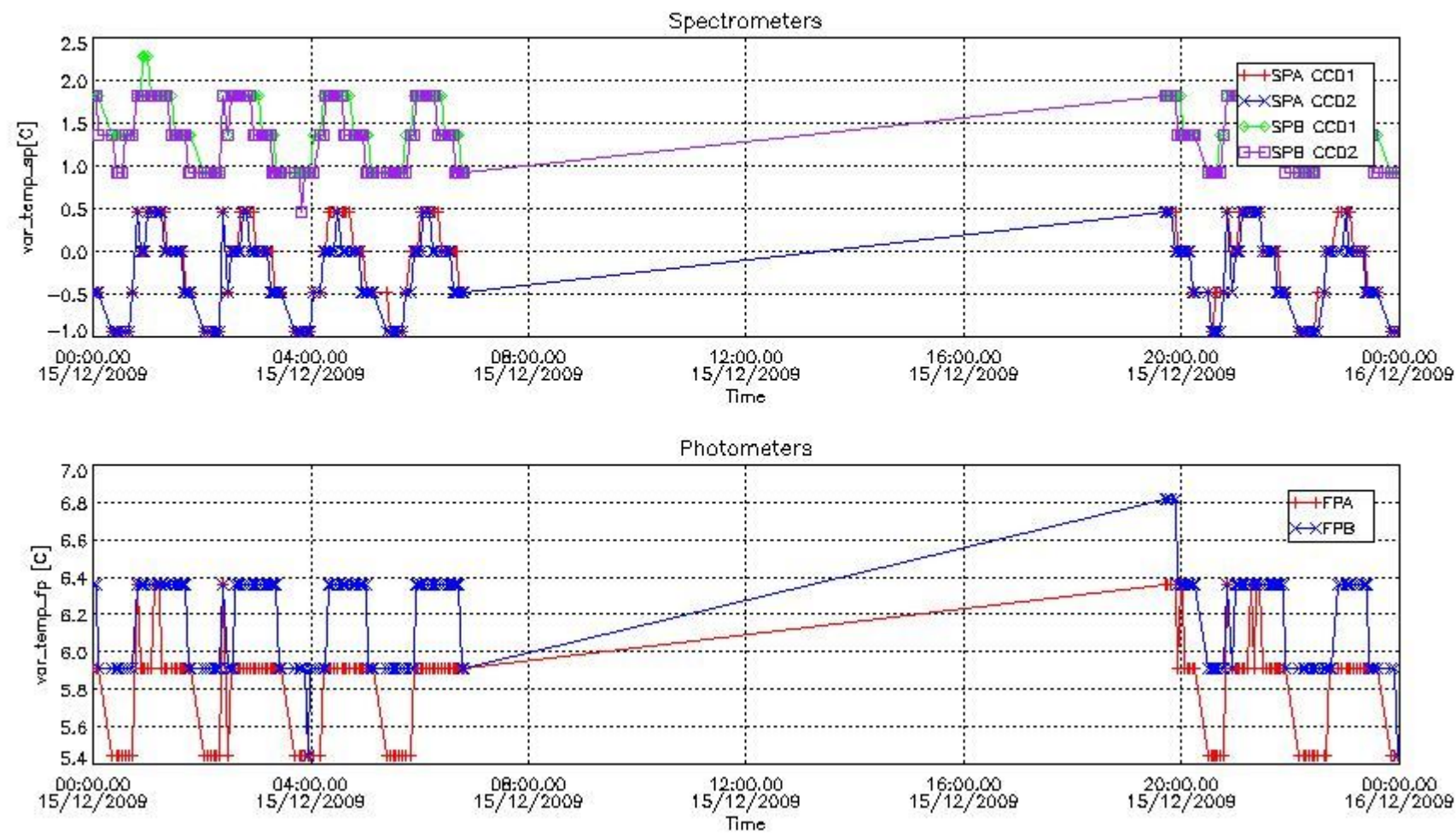
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20091215_000044_000000452085_00102_40737_8373.N1	15-DEC-2009 00:00:44	Bright	44.500	28	12Bet Tau	1.6500	15200.	89	40737	No
2	GOM_TRA_1PNPDE20091215_000425_000000672085_00102_40737_8374.N1	15-DEC-2009 00:04:25	Bright	67.000	107	37The Aur	2.6490	11000.	134	40737	No
3	GOM_TRA_1PNPDE20091215_000634_000000452085_00102_40737_8375.N1	15-DEC-2009 00:06:34	Bright	44.500	42	34Bet Aur	1.9000	10200.	89	40737	No
4	GOM_TRA_1PNPDE20091215_002135_000000382085_00102_40737_8376.N1	15-DEC-2009 00:21:35	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	40737	No
5	GOM_TRA_1PNPDE20091215_002616_000000472085_00102_40737_8377.N1	15-DEC-2009 00:26:16	Bright	47.000	32	77Eps UMa	1.7630	11000.	94	40737	No
6	GOM_TRA_1PNPDE20091215_002849_000000432085_00102_40737_8378.N1	15-DEC-2009 00:28:49	Bright	43.000	39	85Eta UMa	1.8540	24000.	86	40737	No
7	GOM_TRA_1PNPDE20091215_003208_000000412085_00102_40737_8379.N1	15-DEC-2009 00:32:08	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	40737	No
8	GOM_TRA_1PNPDE20091215_003519_000000362085_00102_40737_8380.N1	15-DEC-2009 00:35:19	Bright	36.000	83		2.3780	11000.	72	40737	No
9	GOM_TRA_1PNPDE20091215_003837_000000402085_00102_40737_8381.N1	15-DEC-2009 00:38:37	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	40737	No
10	GOM_TRA_1PNPDE20091215_004230_000000522085_00102_40737_8382.N1	15-DEC-2009 00:42:30	Bright	52.000	138	47Eps Vir	2.8280	4700.0	104	40737	No

11	GOM_TRA_1PNPDE20091215_004827_000000552085_00102_40737_8381.N1	15-DEC-2009 00:48:27	Twilight	54.500	15	67Alp Vir	0.97600	28000.	109	40737	Yes
12	GOM_TRA_1PNPDE20091215_005157_000000502085_00102_40737_8382.N1	15-DEC-2009 00:51:57	Twilight	49.500	169	46Gam Hya	2.9910	4700.0	99	40737	No
13	GOM_TRA_1PNPDE20091215_005422_000000512085_00102_40737_8383.N1	15-DEC-2009 00:54:22	Dark	51.000	106	9Bet Crv	2.6480	5600.0	102	40737	No
14	GOM_TRA_1PNPDE20091215_005554_000000652085_00102_40737_8384.N1	15-DEC-2009 00:55:54	Dark	65.000	171	2Eps Crv	3.0010	4250.0	130	40737	No
15	GOM_TRA_1PNPDE20091215_005918_000000432085_00102_40737_8385.N1	15-DEC-2009 00:59:18	Dark	42.500	64	Gam Cen	2.2000	10600.	85	40737	No
16	GOM_TRA_1PNPDE20091215_010055_000000412085_00103_40738_8386.N1	15-DEC-2009 01:00:55	Dark	40.500	99	Del Cen	2.5750	26000.	81	40738	No
17	GOM_TRA_1PNPDE20091215_010443_000000452085_00103_40738_8387.N1	15-DEC-2009 01:04:43	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	40738	No
18	GOM_TRA_1PNPDE20091215_010835_000000502085_00103_40738_8388.N1	15-DEC-2009 01:08:35	Dark	49.500	71	lot Car	2.2460	7700.0	99	40738	No
19	GOM_TRA_1PNPDE20091215_011313_000000462085_00103_40738_8389.N1	15-DEC-2009 01:13:13	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	40738	No
20	GOM_TRA_1PNPDE20091215_011526_000000492085_00103_40738_8390.N1	15-DEC-2009 01:15:26	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	40738	No
21	GOM_TRA_1PNPDE20091215_011807_000000532085_00103_40738_8391.N1	15-DEC-2009 01:18:07	Dark	53.000	117	Pi Pup	2.7060	3800.0	106	40738	No
22	GOM_TRA_1PNPDE20091215_012124_000000542085_00103_40738_8392.N1	15-DEC-2009 01:21:24	Straylight	53.500	23	21Eps CMa	1.5020	26000.	107	40738	No
23	GOM_TRA_1PNPDE20091215_012602_000000532085_00103_40738_8393.N1	15-DEC-2009 01:26:02	Straylight	53.000	47	2Bet CMa	1.9760	28000.	106	40738	No
24	GOM_TRA_1PNPDE20091215_012936_000000482085_00103_40738_8394.N1	15-DEC-2009 01:29:36	Straylight	48.000	7	19Bet Ori	0.10000	14000.	96	40738	No
25	GOM_TRA_1PNPDE20091215_013153_000000482085_00103_40738_8395.N1	15-DEC-2009 01:31:53	Straylight	48.000	30	46Eps Ori	1.6940	30000.	96	40738	No
26	GOM_TRA_1PNPDE20091215_013506_000000612085_00103_40738_8396.N1	15-DEC-2009 01:35:06	Twilight	61.000	14	58Alp Ori	0.87000	3000.0	122	40738	No
27	GOM_TRA_1PNPDE20091215_013658_000000542085_00103_40738_8397.N1	15-DEC-2009 01:36:58	Twilight	54.000	13	87Alp Tau	0.86700	3800.0	108	40738	No
28	GOM_TRA_1PNPDE20091215_013917_000000452085_00103_40738_8398.N1	15-DEC-2009 01:39:17	Bright	45.000	176	23Zet Tau	3.0200	22000.	90	40738	No
29	GOM_TRA_1PNPDE20091215_014120_000000432085_00103_40738_8399.N1	15-DEC-2009 01:41:20	Bright	42.500	28	12Bet Tau	1.6500	15200.	85	40738	No
30	GOM_TRA_1PNPDE20091215_014500_000000452085_00103_40738_8400.N1	15-DEC-2009 01:45:00	Bright	45.000	107	37The Aur	2.6490	11000.	90	40738	No
31	GOM_TRA_1PNPDE20091215_014709_000000442085_00103_40738_8401.N1	15-DEC-2009 01:47:09	Bright	43.500	42	34Bet Aur	1.9000	10200.	87	40738	No
32	GOM_TRA_1PNPDE20091215_020211_000000382085_00103_40738_8402.N1	15-DEC-2009 02:02:11	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	40738	No
33	GOM_TRA_1PNPDE20091215_020652_000000612085_00103_40738_8403.N1	15-DEC-2009 02:06:52	Bright	61.000	32	77Eps UMa	1.7630	11000.	122	40738	No
34	GOM_TRA_1PNPDE20091215_020925_000000572085_00103_40738_8404.N1	15-DEC-2009 02:09:25	Bright	57.000	39	85Eta UMa	1.8540	24000.	114	40738	No
35	GOM_TRA_1PNPDE20091215_021244_000000352085_00103_40738_8405.N1	15-DEC-2009 02:12:44	Bright	34.500	180	27Gam Boo	3.0400	8000.0	69	40738	No
36	GOM_TRA_1PNPDE20091215_021555_000000352085_00103_40738_8406.N1	15-DEC-2009 02:15:55	Bright	35.000	83		2.3780	11000.	70	40738	No
37	GOM_TRA_1PNPDE20091215_021913_000000592085_00103_40738_8407.N1	15-DEC-2009 02:19:13	Bright	59.000	111	8Eta Boo	2.6800	6000.0	118	40738	No
38	GOM_TRA_1PNPDE20091215_022306_000000722085_00103_40738_8401.N1	15-DEC-2009 02:23:06	Bright	72.000	138	47Eps Vir	2.8280	4700.0	144	40738	Yes
39	GOM_TRA_1PNPDE20091215_022904_000000522085_00103_40738_8402.N1	15-DEC-2009 02:29:04	Twilight	52.000	15	67Alp Vir	0.97600	28000.	104	40738	No
40	GOM_TRA_1PNPDE20091215_023233_000000472085_00103_40738_8403.N1	15-DEC-2009 02:32:33	Twilight	47.000	169	46Gam Hya	2.9910	4700.0	94	40738	No
41	GOM_TRA_1PNPDE20091215_023459_000000542085_00103_40738_8404.N1	15-DEC-2009 02:34:59	Dark	53.500	106	9Bet Crv	2.6480	5600.0	107	40738	No
42	GOM_TRA_1PNPDE20091215_023631_000000572085_00103_40738_8405.N1	15-DEC-2009 02:36:31	Dark	57.000	171	2Eps Crv	3.0010	4250.0	114	40738	No
43	GOM_TRA_1PNPDE20091215_023955_000000502085_00103_40738_8406.N1	15-DEC-2009 02:39:55	Dark	49.500	64	Gam Cen	2.2000	10600.	99	40738	No
44	GOM_TRA_1PNPDE20091215_024132_000000432085_00104_40739_8407.N1	15-DEC-2009 02:41:32	Dark	42.500	99	Del Cen	2.5750	26000.	85	40739	No
45	GOM_TRA_1PNPDE20091215_024520_000000462085_00104_40739_8408.N1	15-DEC-2009 02:45:20	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	40739	No
46	GOM_TRA_1PNPDE20091215_024911_000000412085_00104_40739_8409.N1	15-DEC-2009 02:49:11	Dark	41.000	71	lot Car	2.2460	7700.0	82	40739	No
47	GOM_TRA_1PNPDE20091215_025350_000000462085_00104_40739_8410.N1	15-DEC-2009 02:53:50	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	40739	No
48	GOM_TRA_1PNPDE20091215_025602_000000472085_00104_40739_8411.N1	15-DEC-2009 02:56:02	Dark	46.500	2	Alp Car	-0.73600	7000.0	93	40739	No
49	GOM_TRA_1PNPDE20091215_025843_000000472085_00104_40739_8412.N1	15-DEC-2009 02:58:43	Dark	47.000	117	Pi Pup	2.7060	3800.0	94	40739	No
50	GOM_TRA_1PNPDE20091215_030200_000000552085_00104_40739_8413.N1	15-DEC-2009 03:02:00	Straylight	55.000	23	21Eps CMa	1.5020	26000.	110	40739	No
51	GOM_TRA_1PNPDE20091215_030638_000000522085_00104_40739_8414.N1	15-DEC-2009 03:06:38	Straylight	51.500	47	2Bet CMa	1.9760	28000.	103	40739	No
52	GOM_TRA_1PNPDE20091215_031012_000000452085_00104_40739_8415.N1	15-DEC-2009 03:10:12	Straylight	44.500	7	19Bet Ori	0.10000	14000.	89	40739	No
53	GOM_TRA_1PNPDE20091215_031229_000000492085_00104_40739_8416.N1	15-DEC-2009 03:12:29	Straylight	48.500	30	46Eps Ori	1.6940	30000.	97	40739	No
54	GOM_TRA_1PNPDE20091215_031542_000000652085_00104_40739_8417.N1	15-DEC-2009 03:15:42	Twilight	64.500	14	58Alp Ori	0.87000	3000.0	129	40739	No
55	GOM_TRA_1PNPDE20091215_031734_000000482085_00104_40739_8418.N1	15-DEC-2009 03:17:34	Twilight	48.000	13	87Alp Tau	0.86700	3800.0	96	40739	No
56	GOM_TRA_1PNPDE20091215_031953_000000482085_00104_40739_8419.N1	15-DEC-2009 03:19:53	Bright	48.000	176	23Zet Tau	3.0200	22000.	96	40739	No
57	GOM_TRA_1PNPDE20091215_032156_000000462085_00104_40739_8420.N1	15-DEC-2009 03:21:56	Bright	46.000	28	12Bet Tau	1.6500	15200.	92	40739	No
58	GOM_TRA_1PNPDE20091215_032535_000000452085_00104_40739_8421.N1	15-DEC-2009 03:25:35	Bright	44.500	107	37The Aur	2.6490	11000.	89	40739	No
59	GOM_TRA_1PNPDE20091215_032745_000000452085_00104_40739_8422.N1	15-DEC-2009 03:27:45	Bright	44.500	42	34Bet Aur	1.9000	10200.	89	40739	No
60	GOM_TRA_1PNPDE20091215_034247_000000362085_00104_40739_8431.N1	15-DEC-2009 03:42:47	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	40739	No
61	GOM_TRA_1PNPDE20091215_034728_000000452085_00104_40739_8432.N1	15-DEC-2009 03:47:28	Bright	45.000	32	77Eps UMa	1.7630	11000.	90	40739	No
62	GOM_TRA_1PNPDE20091215_035001_000000402085_00104_40739_8433.N1	15-DEC-2009 03:50:01	Bright	40.000	39	85Eta UMa	1.8540	24000.	80	40739	No
63	GOM_TRA_1PNPDE20091215_035319_000000532085_00104_40739_8434.N1	15-DEC-2009 03:53:19	Bright	52.500	180	27Gam Boo	3.0400	8000.0	105	40739	No
64	GOM_TRA_1PNPDE20091215_035631_000000362085_00104_40739_8435.N1	15-DEC-2009 03:56:31	Bright	36.000	83		2.3780	11000.	72	40739	No
65	GOM_TRA_1PNPDE20091215_035949_000000412085_00104_40739_8436.N1	15-DEC-2009 03:59:49	Bright	40.500	111	8Eta Boo	2.6800	6000.0	81	40739	No
66	GOM_TRA_1PNPDE20091215_040343_000000722085_00104_40739_8437.N1	15-DEC-2009 04:03:43	Bright	72.000	138	47Eps Vir	2.8280	4700.0	144	40739	No
67	GOM_TRA_1PNPDE20091215_040940_000000532085_00104_40739_8438.N1	15-DEC-2009 04:09:40	Twilight	52.500	15	67Alp Vir	0.97600	28000.	105	40739	No
68	GOM_TRA_1PNPDE20091215_041310_000000472085_00104_40739_8439.N1	15-DEC-2009 04:13:10	Twilight	47.000	169	46Gam Hya	2.9910	4700.0	94	40739	No
69	GOM_TRA_1PNPDE20091215_041536_000000532085_00104_40739_8440.N1	15-DEC-2009 04:15:36	Dark	52.500	106	9Bet Crv	2.6480	5600.0	105	40739	No

70	GOM_TRA_1PNPDE20091215_042032_000000442085_00104_40739_8441.N1	15-DEC-2009 04:20:32	Dark	44.000	64	Gam Cen	2.2000	10600.	88	40739	No
71	GOM_TRA_1PNPDE20091215_042209_000000402085_00105_40740_8442.N1	15-DEC-2009 04:22:09	Dark	40.000	99	Del Cen	2.5750	26000.	80	40740	No
72	GOM_TRA_1PNPDE20091215_042557_000000452085_00105_40740_8443.N1	15-DEC-2009 04:25:57	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	40740	No
73	GOM_TRA_1PNPDE20091215_042948_000000422085_00105_40740_8444.N1	15-DEC-2009 04:29:48	Dark	42.000	71	lot Car	2.2460	7700.0	84	40740	No
74	GOM_TRA_1PNPDE20091215_043427_000000482085_00105_40740_8445.N1	15-DEC-2009 04:34:27	Dark	48.000	34	Gam2Vel	1.7930	23000.	96	40740	No
75	GOM_TRA_1PNPDE20091215_043638_000000442085_00105_40740_8446.N1	15-DEC-2009 04:36:38	Dark	43.500	2	Alp Car	-0.73600	7000.0	87	40740	No
76	GOM_TRA_1PNPDE20091215_043920_000000522085_00105_40740_8447.N1	15-DEC-2009 04:39:20	Dark	52.000	117	Pi Pup	2.7060	3800.0	104	40740	No
77	GOM_TRA_1PNPDE20091215_044237_000000542085_00105_40740_8448.N1	15-DEC-2009 04:42:37	Straylight	53.500	23	21Eps CMa	1.5020	26000.	107	40740	No
78	GOM_TRA_1PNPDE20091215_044714_000000512085_00105_40740_8449.N1	15-DEC-2009 04:47:14	Straylight	51.000	47	2Bet CMa	1.9760	28000.	102	40740	No
79	GOM_TRA_1PNPDE20091215_045048_000000492085_00105_40740_8450.N1	15-DEC-2009 04:50:48	Straylight	49.000	7	19Bet Ori	0.10000	14000.	98	40740	No
80	GOM_TRA_1PNPDE20091215_045305_000000462085_00105_40740_8451.N1	15-DEC-2009 04:53:05	Straylight	46.000	30	46Eps Ori	1.6940	30000.	92	40740	No
81	GOM_TRA_1PNPDE20091215_045617_000000682085_00105_40740_8452.N1	15-DEC-2009 04:56:17	Twilight	68.000	14	58Alp Ori	0.87000	3000.0	136	40740	No
82	GOM_TRA_1PNPDE20091215_045810_000000512085_00105_40740_8453.N1	15-DEC-2009 04:58:10	Twilight	51.000	13	87Alp Tau	0.86700	3800.0	102	40740	No
83	GOM_TRA_1PNPDE20091215_050028_000000462085_00105_40740_8454.N1	15-DEC-2009 05:00:28	Bright	45.500	176	23Zet Tau	3.0200	22000.	91	40740	No
84	GOM_TRA_1PNPDE20091215_050231_000000462085_00105_40740_8455.N1	15-DEC-2009 05:02:31	Bright	45.500	28	12Bet Tau	1.6500	15200.	91	40740	No
85	GOM_TRA_1PNPDE20091215_050611_000000452085_00105_40740_8456.N1	15-DEC-2009 05:06:11	Bright	45.000	107	37The Aur	2.6490	11000.	90	40740	No
86	GOM_TRA_1PNPDE20091215_050820_000000442085_00105_40740_8457.N1	15-DEC-2009 05:08:20	Bright	44.000	42	34Bet Aur	1.9000	10200.	88	40740	No
87	GOM_TRA_1PNPDE20091215_052323_000000382085_00105_40740_8454.N1	15-DEC-2009 05:23:23	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	40740	No
88	GOM_TRA_1PNPDE20091215_052804_000000532085_00105_40740_8455.N1	15-DEC-2009 05:28:04	Bright	53.000	32	77Eps UMa	1.7630	11000.	106	40740	No
89	GOM_TRA_1PNPDE20091215_053037_000000572085_00105_40740_8456.N1	15-DEC-2009 05:30:37	Bright	57.000	39	85Eta UMa	1.8540	24000.	114	40740	No
90	GOM_TRA_1PNPDE20091215_053356_000000542085_00105_40740_8457.N1	15-DEC-2009 05:33:56	Bright	54.000	180	27Gam Boo	3.0400	8000.0	108	40740	No
91	GOM_TRA_1PNPDE20091215_053707_000000542085_00105_40740_8458.N1	15-DEC-2009 05:37:07	Bright	54.000	83		2.3780	11000.	108	40740	No
92	GOM_TRA_1PNPDE20091215_054025_000000402085_00105_40740_8459.N1	15-DEC-2009 05:40:25	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	40740	No
93	GOM_TRA_1PNPDE20091215_054420_000000502085_00105_40740_8460.N1	15-DEC-2009 05:44:20	Bright	50.000	138	47Eps Vir	2.8280	4700.0	100	40740	No
94	GOM_TRA_1PNPDE20091215_055017_000000522085_00105_40740_8461.N1	15-DEC-2009 05:50:17	Twilight	52.000	15	67Alp Vir	0.97600	28000.	104	40740	No
95	GOM_TRA_1PNPDE20091215_055347_000000482085_00105_40740_8462.N1	15-DEC-2009 05:53:47	Twilight	47.500	169	46Gam Hya	2.9910	4700.0	95	40740	No
96	GOM_TRA_1PNPDE20091215_055613_000000512085_00105_40740_8463.N1	15-DEC-2009 05:56:13	Dark	50.500	106	9Bet Crv	2.6480	5600.0	101	40740	No
97	GOM_TRA_1PNPDE20091215_055746_000000602085_00105_40740_8464.N1	15-DEC-2009 05:57:46	Dark	60.000	171	2Eps Crv	3.0010	4250.0	120	40740	No
98	GOM_TRA_1PNPDE20091215_060108_000000422085_00105_40740_8465.N1	15-DEC-2009 06:01:08	Dark	42.000	64	Gam Cen	2.2000	10600.	84	40740	No
99	GOM_TRA_1PNPDE20091215_060246_000000422085_00106_40741_8466.N1	15-DEC-2009 06:02:46	Dark	42.000	99	Del Cen	2.5750	26000.	84	40741	No
100	GOM_TRA_1PNPDE20091215_060634_000000462085_00106_40741_8467.N1	15-DEC-2009 06:06:34	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	40741	No
101	GOM_TRA_1PNPDE20091215_061024_000000422085_00106_40741_8468.N1	15-DEC-2009 06:10:24	Dark	41.500	71	lot Car	2.2460	7700.0	83	40741	No
102	GOM_TRA_1PNPDE20091215_061503_000000512085_00106_40741_8469.N1	15-DEC-2009 06:15:03	Dark	50.500	34	Gam2Vel	1.7930	23000.	101	40741	No
103	GOM_TRA_1PNPDE20091215_061715_000000472085_00106_40741_8470.N1	15-DEC-2009 06:17:15	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	40741	No
104	GOM_TRA_1PNPDE20091215_061956_000000512085_00106_40741_8471.N1	15-DEC-2009 06:19:56	Dark	51.000	117	Pi Pup	2.7060	3800.0	102	40741	No
105	GOM_TRA_1PNPDE20091215_062313_000000542085_00106_40741_8472.N1	15-DEC-2009 06:23:13	Straylight	53.500	23	21Eps CMa	1.5020	26000.	107	40741	No
106	GOM_TRA_1PNPDE20091215_062750_000000532085_00106_40741_8473.N1	15-DEC-2009 06:27:50	Straylight	52.500	47	2Bet CMa	1.9760	28000.	105	40741	No
107	GOM_TRA_1PNPDE20091215_063124_000000462085_00106_40741_8474.N1	15-DEC-2009 06:31:24	Straylight	46.000	7	19Bet Ori	0.10000	14000.	92	40741	No
108	GOM_TRA_1PNPDE20091215_063341_000000482085_00106_40741_8475.N1	15-DEC-2009 06:33:41	Straylight	48.000	30	46Eps Ori	1.6940	30000.	96	40741	No
109	GOM_TRA_1PNPDE20091215_063653_000000682085_00106_40741_8476.N1	15-DEC-2009 06:36:53	Twilight	68.000	14	58Alp Ori	0.87000	3000.0	136	40741	No
110	GOM_TRA_1PNPDE20091215_063846_000000502085_00106_40741_8477.N1	15-DEC-2009 06:38:46	Twilight	50.000	13	87Alp Tau	0.86700	3800.0	100	40741	No
111	GOM_TRA_1PNPDE20091215_064104_000000492085_00106_40741_8478.N1	15-DEC-2009 06:41:04	Bright	49.000	176	23Zet Tau	3.0200	22000.	98	40741	No
112	GOM_TRA_1PNPDE20091215_064307_000000442085_00106_40741_8479.N1	15-DEC-2009 06:43:07	Bright	43.500	28	12Bet Tau	1.6500	15200.	87	40741	No
113	GOM_TRA_1PNPDE20091215_064646_000000452085_00106_40741_8480.N1	15-DEC-2009 06:46:46	Bright	45.000	107	37The Aur	2.6490	11000.	90	40741	No
114	GOM_TRA_1PNPDE20091215_064856_000000432085_00106_40741_8481.N1	15-DEC-2009 06:48:56	Bright	42.500	42	34Bet Aur	1.9000	10200.	85	40741	No
115	GOM_TRA_1PNPDE20091215_194205_000000552085_00114_40749_8507.N1	15-DEC-2009 19:42:05	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	40749	No
116	GOM_TRA_1PNPDE20091215_194449_000000552085_00114_40749_8508.N1	15-DEC-2009 19:44:49	Dark	54.500	117	Pi Pup	2.7060	3800.0	109	40749	No
117	GOM_TRA_1PNPDE20091215_194804_000000552085_00114_40749_8509.N1	15-DEC-2009 19:48:04	Straylight	54.500	23	21Eps CMa	1.5020	26000.	109	40749	No
118	GOM_TRA_1PNPDE20091215_195239_000000542085_00114_40749_8510.N1	15-DEC-2009 19:52:39	Straylight	53.500	47	2Bet CMa	1.9760	28000.	107	40749	No
119	GOM_TRA_1PNPDE20091215_195612_000000552085_00114_40749_8511.N1	15-DEC-2009 19:56:12	Straylight	55.000	7	19Bet Ori	0.10000	14000.	110	40749	No
120	GOM_TRA_1PNPDE20091215_195828_000000472085_00114_40749_8512.N1	15-DEC-2009 19:58:28	Straylight	47.000	30	46Eps Ori	1.6940	30000.	94	40749	No
121	GOM_TRA_1PNPDE20091215_200138_000000672085_00114_40749_8513.N1	15-DEC-2009 20:01:38	Twilight	67.000	14	58Alp Ori	0.87000	3000.0	134	40749	No
122	GOM_TRA_1PNPDE20091215_200332_000000472085_00114_40749_8514.N1	15-DEC-2009 20:03:32	Twilight	47.000	13	87Alp Tau	0.86700	3800.0	94	40749	No
123	GOM_TRA_1PNPDE20091215_200548_000000452085_00114_40749_8515.N1	15-DEC-2009 20:05:48	Bright	45.000	176	23Zet Tau	3.0200	22000.	90	40749	No
124	GOM_TRA_1PNPDE20091215_200751_000000452085_00114_40749_8516.N1	15-DEC-2009 20:07:51	Bright	44.500	28	12Bet Tau	1.6500	15200.	89	40749	No
125	GOM_TRA_1PNPDE20091215_201128_000000452085_00114_40749_8517.N1	15-DEC-2009 20:11:28	Bright	44.500	107	37The Aur	2.6490	11000.	89	40749	No
126	GOM_TRA_1PNPDE20091215_201338_000000442085_00114_40749_8518.N1	15-DEC-2009 20:13:38	Bright	43.500	42	34Bet Aur	1.9000	10200.	87	40749	No
127	GOM_TRA_1PNPDE20091215_202847_000000392085_00114_40749_8519.N1	15-DEC-2009 20:28:47	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	40749	No
128	GOM_TRA_1PNPDE20091215_203304_000000282085_00114_40749_8520.N1	15-DEC-2009 20:33:04	Twilight	28.000	87	64Gam UMa	2.4330	11000.	56	40749	No

129	GOM_TRA_1PNPDE20091215_203404_000000442085_00114_40749_8521.N1	15-DEC-2009 20:34:04	Bright	44.000	55	79Zet UMa	2.0600	10200.	88	40749	No
130	GOM_TRA_1PNPDE20091215_203600_000000422085_00114_40749_8522.N1	15-DEC-2009 20:36:00	Bright	42.000	39	85Eta UMa	1.8540	24000.	84	40749	No
131	GOM_TRA_1PNPDE20091215_203920_000000412085_00114_40749_8523.N1	15-DEC-2009 20:39:20	Bright	41.000	180	27Gam Boo	3.0400	8000.0	82	40749	No
132	GOM_TRA_1PNPDE20091215_204233_000000362085_00114_40749_8524.N1	15-DEC-2009 20:42:33	Bright	36.000	83		2.3780	11000.	72	40749	No
133	GOM_TRA_1PNPDE20091215_204552_000000602085_00114_40749_8525.N1	15-DEC-2009 20:45:52	Bright	60.000	111	8Eta Boo	2.6800	6000.0	120	40749	No
134	GOM_TRA_1PNPDE20091215_204949_000000742085_00114_40749_8525.N1	15-DEC-2009 20:49:49	Bright	74.000	138	47Eps Vir	2.8280	4700.0	148	40749	Yes
135	GOM_TRA_1PNPDE20091215_205547_000000552085_00114_40749_8526.N1	15-DEC-2009 20:55:47	Tw_i_and_stray	54.500	15	67Alp Vir	0.97600	28000.	109	40749	No
136	GOM_TRA_1PNPDE20091215_205917_000000502085_00114_40749_8527.N1	15-DEC-2009 20:59:17	Dark	49.500	169	46Gam Hya	2.9910	4700.0	99	40749	No
137	GOM_TRA_1PNPDE20091215_210146_000000522085_00114_40749_8528.N1	15-DEC-2009 21:01:46	Dark	51.500	106	9Bet Crv	2.6480	5600.0	103	40749	No
138	GOM_TRA_1PNPDE20091215_210321_000000552085_00114_40749_8529.N1	15-DEC-2009 21:03:21	Dark	54.500	171	2Eps Crv	3.0010	4250.0	109	40749	No
139	GOM_TRA_1PNPDE20091215_210637_000000432085_00114_40749_8530.N1	15-DEC-2009 21:06:37	Dark	42.500	64	Gam Cen	2.2000	10600.	85	40749	No
140	GOM_TRA_1PNPDE20091215_210815_000000402085_00115_40750_8531.N1	15-DEC-2009 21:08:15	Dark	40.000	99	Del Cen	2.5750	26000.	80	40750	No
141	GOM_TRA_1PNPDE20091215_211206_000000452085_00115_40750_8532.N1	15-DEC-2009 21:12:06	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	40750	No
142	GOM_TRA_1PNPDE20091215_211553_000000462085_00115_40750_8533.N1	15-DEC-2009 21:15:53	Dark	45.500	71	lot Car	2.2460	7700.0	91	40750	No
143	GOM_TRA_1PNPDE20091215_212033_000000452085_00115_40750_8534.N1	15-DEC-2009 21:20:33	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	40750	No
144	GOM_TRA_1PNPDE20091215_212241_000000552085_00115_40750_8535.N1	15-DEC-2009 21:22:41	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	40750	No
145	GOM_TRA_1PNPDE20091215_212525_000000552085_00115_40750_8536.N1	15-DEC-2009 21:25:25	Dark	55.000	117	Pi Pup	2.7060	3800.0	110	40750	No
146	GOM_TRA_1PNPDE20091215_212840_000000572085_00115_40750_8537.N1	15-DEC-2009 21:28:40	Straylight	56.500	23	21Eps CMa	1.5020	26000.	113	40750	No
147	GOM_TRA_1PNPDE20091215_213315_000000512085_00115_40750_8538.N1	15-DEC-2009 21:33:15	Straylight	51.000	47	2Bet CMa	1.9760	28000.	102	40750	No
148	GOM_TRA_1PNPDE20091215_213648_000000562085_00115_40750_8539.N1	15-DEC-2009 21:36:48	Straylight	56.000	7	19Bet Ori	0.10000	14000.	112	40750	No
149	GOM_TRA_1PNPDE20091215_213903_000000482085_00115_40750_8540.N1	15-DEC-2009 21:39:03	Straylight	48.000	30	46Eps Ori	1.6940	30000.	96	40750	No
150	GOM_TRA_1PNPDE20091215_214213_000000652085_00115_40750_8541.N1	15-DEC-2009 21:42:13	Tw_i_and_stray	65.000	14	58Alp Ori	0.87000	3000.0	130	40750	No
151	GOM_TRA_1PNPDE20091215_214408_000000492085_00115_40750_8542.N1	15-DEC-2009 21:44:08	Tw_i_and_stray	49.000	13	87Alp Tau	0.86700	3800.0	98	40750	No
152	GOM_TRA_1PNPDE20091215_214624_000000422085_00115_40750_8543.N1	15-DEC-2009 21:46:24	Bright	42.000	176	23Zet Tau	3.0200	22000.	84	40750	No
153	GOM_TRA_1PNPDE20091215_214827_000000452085_00115_40750_8544.N1	15-DEC-2009 21:48:27	Bright	44.500	28	12Bet Tau	1.6500	15200.	89	40750	No
154	GOM_TRA_1PNPDE20091215_215204_000000452085_00115_40750_8545.N1	15-DEC-2009 21:52:04	Bright	44.500	107	37The Aur	2.6490	11000.	89	40750	No
155	GOM_TRA_1PNPDE20091215_215414_000000452085_00115_40750_8546.N1	15-DEC-2009 21:54:14	Bright	44.500	42	34Bet Aur	1.9000	10200.	89	40750	No
156	GOM_TRA_1PNPDE20091215_220923_000000392085_00115_40750_8547.N1	15-DEC-2009 22:09:23	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	40750	No
157	GOM_TRA_1PNPDE20091215_221401_000000462085_00115_40750_8548.N1	15-DEC-2009 22:14:01	Bright	46.000	32	77Eps UMa	1.7630	11000.	92	40750	No
158	GOM_TRA_1PNPDE20091215_221635_000000392085_00115_40750_8549.N1	15-DEC-2009 22:16:35	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	40750	No
159	GOM_TRA_1PNPDE20091215_221956_000000352085_00115_40750_8550.N1	15-DEC-2009 22:19:56	Bright	35.000	180	27Gam Boo	3.0400	8000.0	70	40750	No
160	GOM_TRA_1PNPDE20091215_222309_000000342085_00115_40750_8551.N1	15-DEC-2009 22:23:09	Bright	34.000	83		2.3780	11000.	68	40750	No
161	GOM_TRA_1PNPDE20091215_222628_000000602085_00115_40750_8552.N1	15-DEC-2009 22:26:28	Bright	60.000	111	8Eta Boo	2.6800	6000.0	120	40750	No
162	GOM_TRA_1PNPDE20091215_223026_000000542085_00115_40750_8553.N1	15-DEC-2009 22:30:26	Bright	54.000	138	47Eps Vir	2.8280	4700.0	108	40750	No
163	GOM_TRA_1PNPDE20091215_223624_000000532085_00115_40750_8546.N1	15-DEC-2009 22:36:24	Tw_i_and_stray	52.500	15	67Alp Vir	0.97600	28000.	105	40750	No
164	GOM_TRA_1PNPDE20091215_223954_000000472085_00115_40750_8547.N1	15-DEC-2009 22:39:54	Dark	47.000	169	46Gam Hya	2.9910	4700.0	94	40750	No
165	GOM_TRA_1PNPDE20091215_224223_000000552085_00115_40750_8548.N1	15-DEC-2009 22:42:23	Dark	54.500	106	9Bet Crv	2.6480	5600.0	109	40750	No
166	GOM_TRA_1PNPDE20091215_224359_000000552085_00115_40750_8549.N1	15-DEC-2009 22:43:59	Dark	55.000	171	2Eps Crv	3.0010	4250.0	110	40750	No
167	GOM_TRA_1PNPDE20091215_225242_000000442085_00116_40751_8550.N1	15-DEC-2009 22:52:42	Dark	44.000	113	Mu Vel	2.6920	5000.0	88	40751	No
168	GOM_TRA_1PNPDE20091215_225630_000000422085_00116_40751_8551.N1	15-DEC-2009 22:56:30	Dark	41.500	71	lot Car	2.2460	7700.0	83	40751	No
169	GOM_TRA_1PNPDE20091215_230110_000000502085_00116_40751_8552.N1	15-DEC-2009 23:01:10	Dark	50.000	34	Gam2Vel	1.7930	23000.	100	40751	No
170	GOM_TRA_1PNPDE20091215_230318_000000482085_00116_40751_8553.N1	15-DEC-2009 23:03:18	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	40751	No
171	GOM_TRA_1PNPDE20091215_230601_000000552085_00116_40751_8554.N1	15-DEC-2009 23:06:01	Dark	54.500	117	Pi Pup	2.7060	3800.0	109	40751	No
172	GOM_TRA_1PNPDE20091215_230917_000000542085_00116_40751_8555.N1	15-DEC-2009 23:09:17	Straylight	53.500	23	21Eps CMa	1.5020	26000.	107	40751	No
173	GOM_TRA_1PNPDE20091215_231351_000000502085_00116_40751_8556.N1	15-DEC-2009 23:13:51	Straylight	49.500	47	2Bet CMa	1.9760	28000.	99	40751	No
174	GOM_TRA_1PNPDE20091215_231723_000000472085_00116_40751_8557.N1	15-DEC-2009 23:17:23	Straylight	46.500	7	19Bet Ori	0.10000	14000.	93	40751	No
175	GOM_TRA_1PNPDE20091215_231939_000000462085_00116_40751_8558.N1	15-DEC-2009 23:19:39	Straylight	46.000	30	46Eps Ori	1.6940	30000.	92	40751	No
176	GOM_TRA_1PNPDE20091215_232249_000000652085_00116_40751_8559.N1	15-DEC-2009 23:22:49	Tw_i_and_stray	65.000	14	58Alp Ori	0.87000	3000.0	130	40751	No
177	GOM_TRA_1PNPDE20091215_232444_000000512085_00116_40751_8560.N1	15-DEC-2009 23:24:44	Tw_i_and_stray	51.000	13	87Alp Tau	0.86700	3800.0	102	40751	No
178	GOM_TRA_1PNPDE20091215_232659_000000422085_00116_40751_8561.N1	15-DEC-2009 23:26:59	Bright	41.500	176	23Zet Tau	3.0200	22000.	83	40751	No
179	GOM_TRA_1PNPDE20091215_232902_000000432085_00116_40751_8562.N1	15-DEC-2009 23:29:02	Bright	43.000	28	12Bet Tau	1.6500	15200.	86	40751	No
180	GOM_TRA_1PNPDE20091215_233239_000000442085_00116_40751_8563.N1	15-DEC-2009 23:32:39	Bright	44.000	107	37The Aur	2.6490	11000.	88	40751	No
181	GOM_TRA_1PNPDE20091215_233449_000000512085_00116_40751_8564.N1	15-DEC-2009 23:34:49	Bright	50.500	42	34Bet Aur	1.9000	10200.	101	40751	No
182	GOM_TRA_1PNPDE20091215_234958_000000532085_00116_40751_8565.N1	15-DEC-2009 23:49:58	Bright	53.000	60	7Bet UMi	2.0810	3950.0	106	40751	No
183	GOM_TRA_1PNPDE20091215_235436_000000422085_00116_40751_8566.N1	15-DEC-2009 23:54:36	Bright	41.500	32	77Eps UMa	1.7630	11000.	83	40751	No
184	GOM_TRA_1PNPDE20091215_235711_000000582085_00116_40751_8567.N1	15-DEC-2009 23:57:11	Bright	58.000	39	85Eta UMa	1.8540	24000.	116	40751	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).

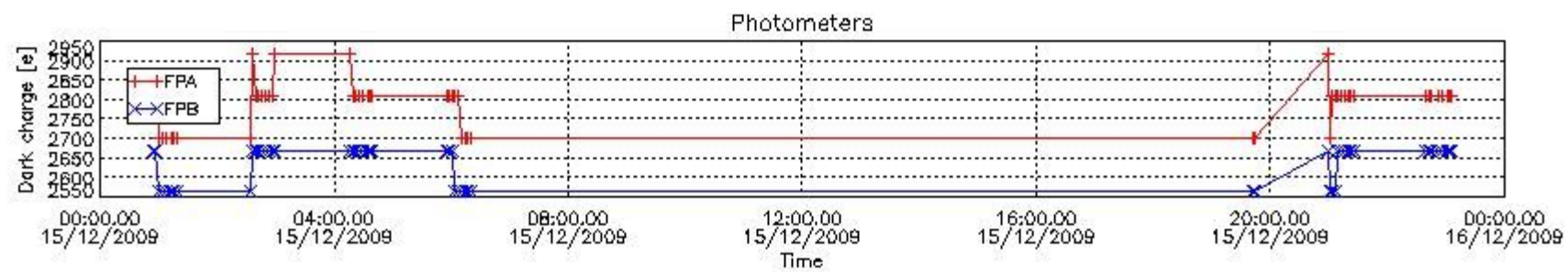
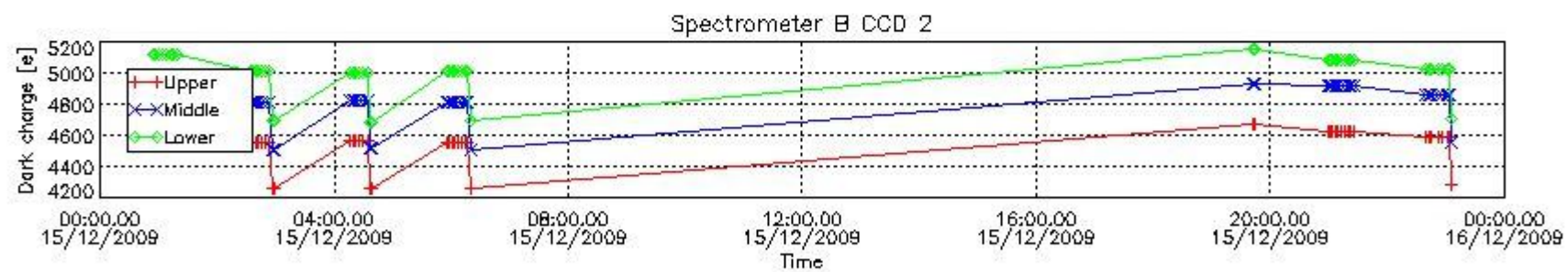
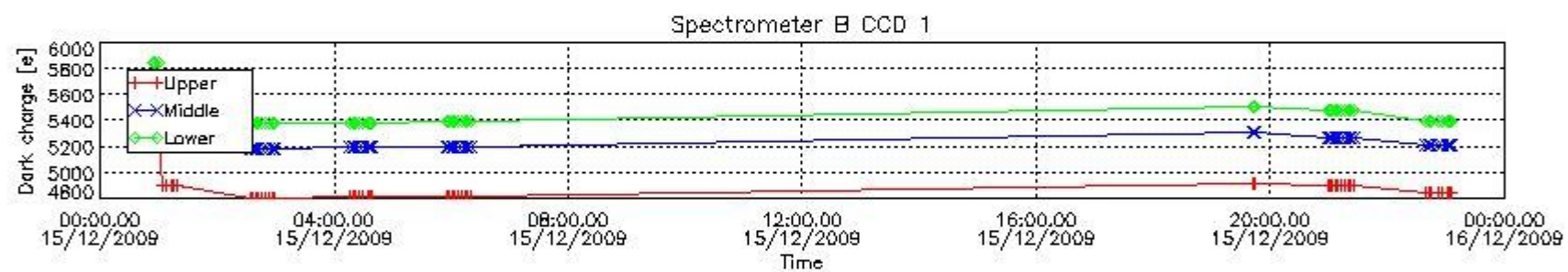
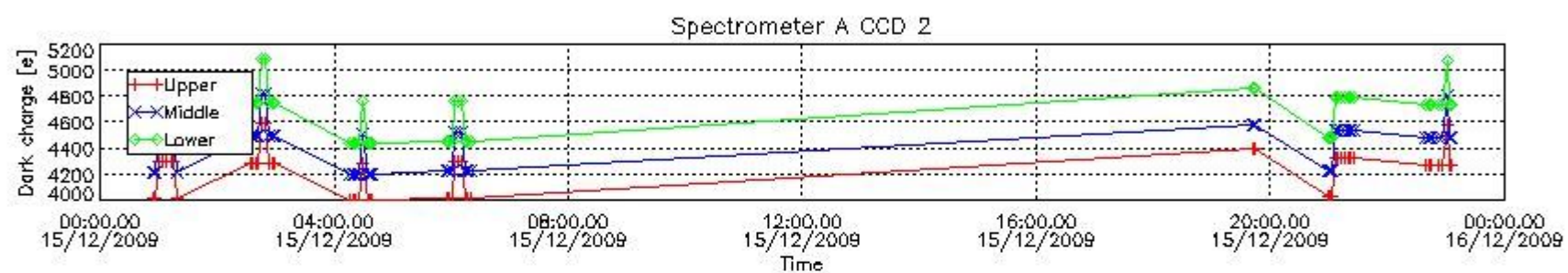
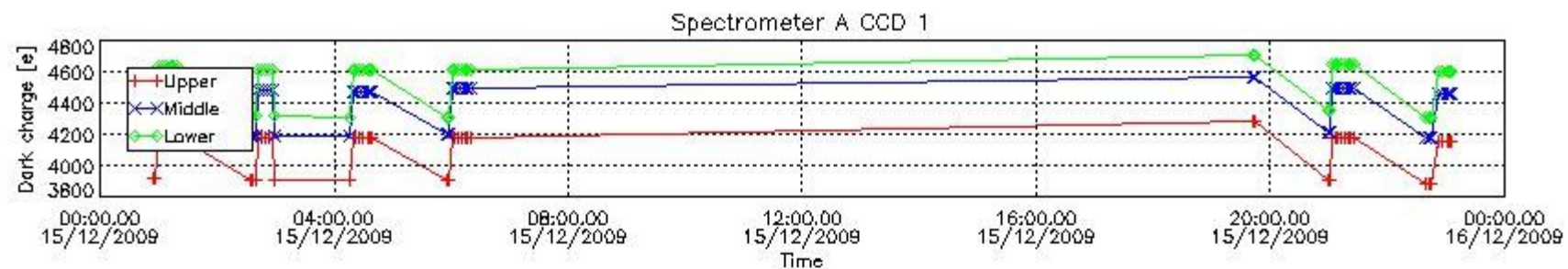
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20091215_194205_000000552085_00114_40749_8507.N1	DC map used
GOM_TRA_1PNPDE20091215_194449_000000552085_00114_40749_8508.N1	DC map used
GOM_TRA_1PNPDE20091215_194804_000000552085_00114_40749_8509.N1	DC map used
GOM_TRA_1PNPDE20091215_195239_000000542085_00114_40749_8510.N1	DC map used
GOM_TRA_1PNPDE20091215_195612_000000552085_00114_40749_8511.N1	DC map used
GOM_TRA_1PNPDE20091215_195828_000000472085_00114_40749_8512.N1	DC map used
GOM_TRA_1PNPDE20091215_200138_000000672085_00114_40749_8513.N1	DC map used
GOM_TRA_1PNPDE20091215_200332_000000472085_00114_40749_8514.N1	DC map used
GOM_TRA_1PNPDE20091215_200548_000000452085_00114_40749_8515.N1	DC map used
GOM_TRA_1PNPDE20091215_200751_000000452085_00114_40749_8516.N1	DC map used
GOM_TRA_1PNPDE20091215_201128_000000452085_00114_40749_8517.N1	DC map used
GOM_TRA_1PNPDE20091215_201338_000000442085_00114_40749_8518.N1	DC map used

GOM_TRA_1PNPDE20091215_202847_000000392085_00114_40749_8519.N1	DC map used
GOM_TRA_1PNPDE20091215_203304_000000282085_00114_40749_8520.N1	DC map used
GOM_TRA_1PNPDE20091215_203404_000000442085_00114_40749_8521.N1	DC map used
GOM_TRA_1PNPDE20091215_203600_000000422085_00114_40749_8522.N1	DC map used
GOM_TRA_1PNPDE20091215_203920_000000412085_00114_40749_8523.N1	DC map used
GOM_TRA_1PNPDE20091215_204233_000000362085_00114_40749_8524.N1	DC map used
GOM_TRA_1PNPDE20091215_204552_000000602085_00114_40749_8525.N1	DC map used

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



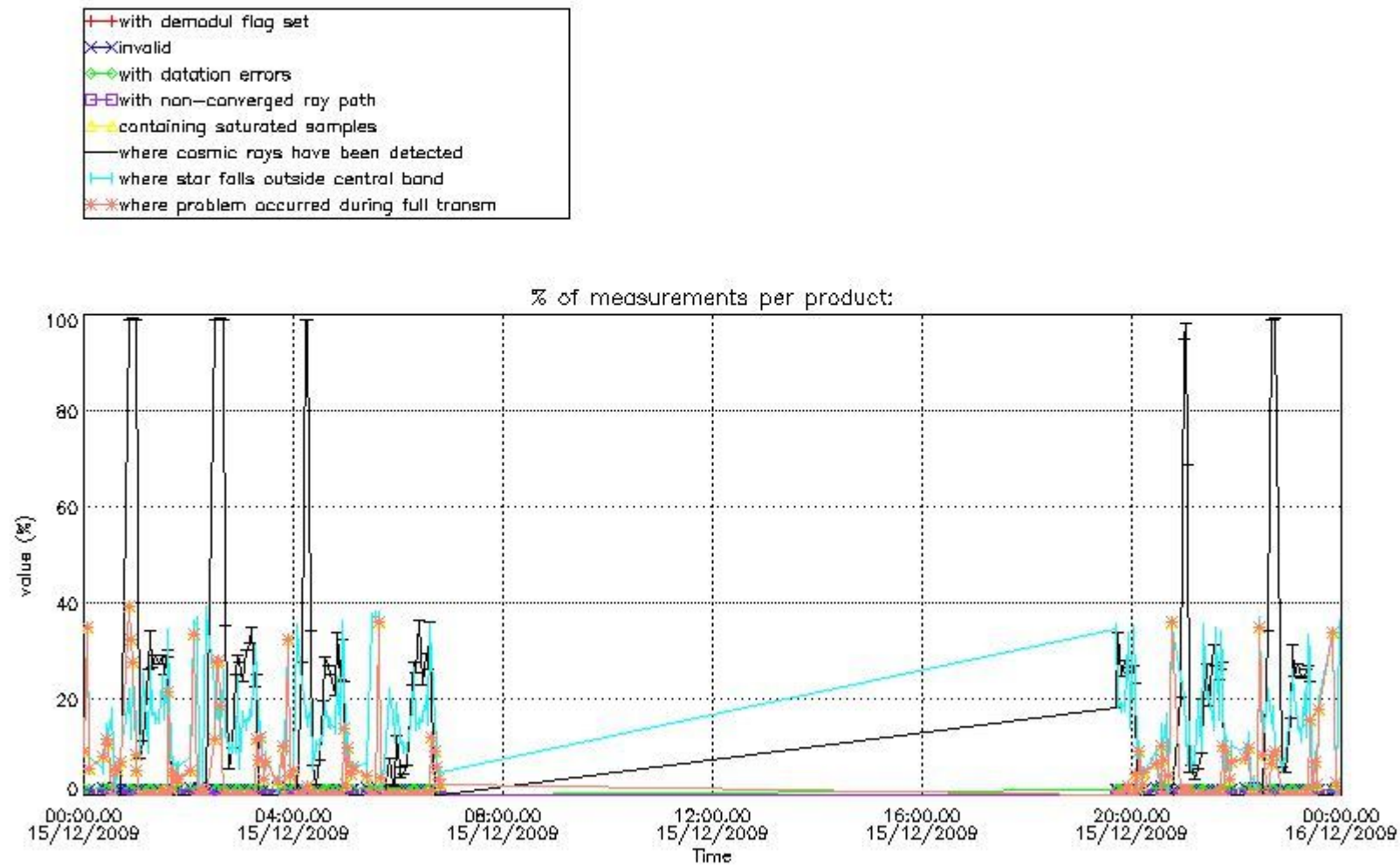
5. Demodulation flag and quality information monitoring

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

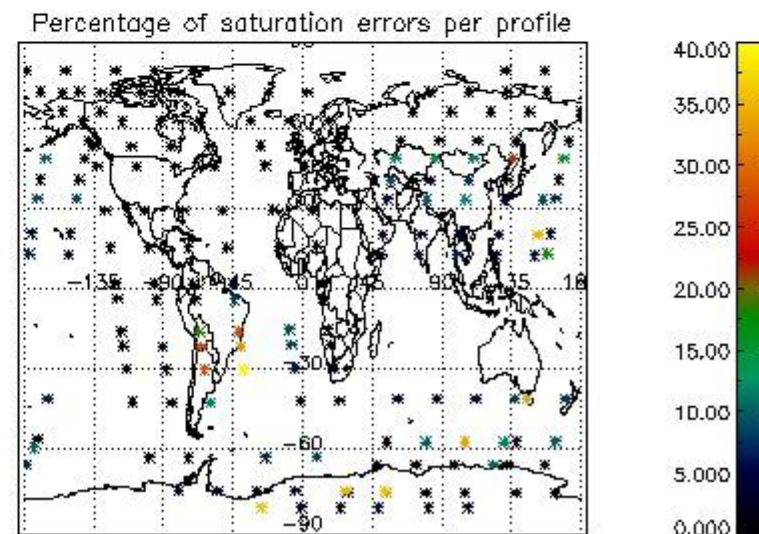
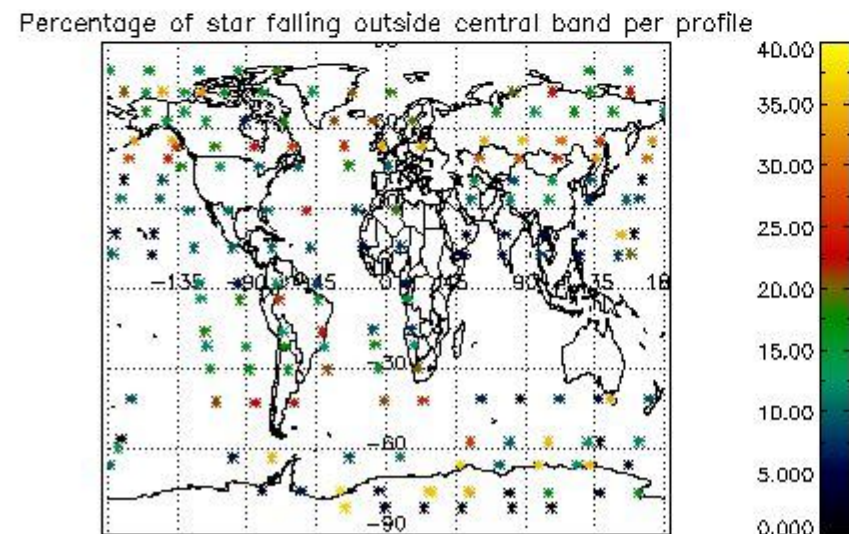
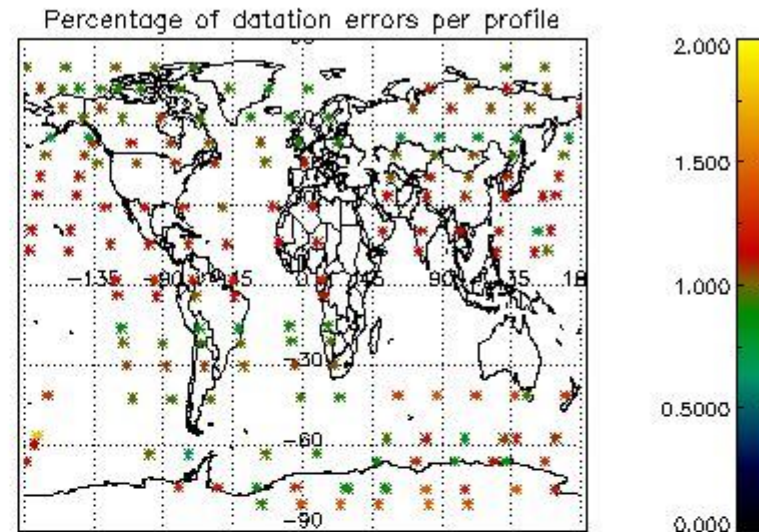
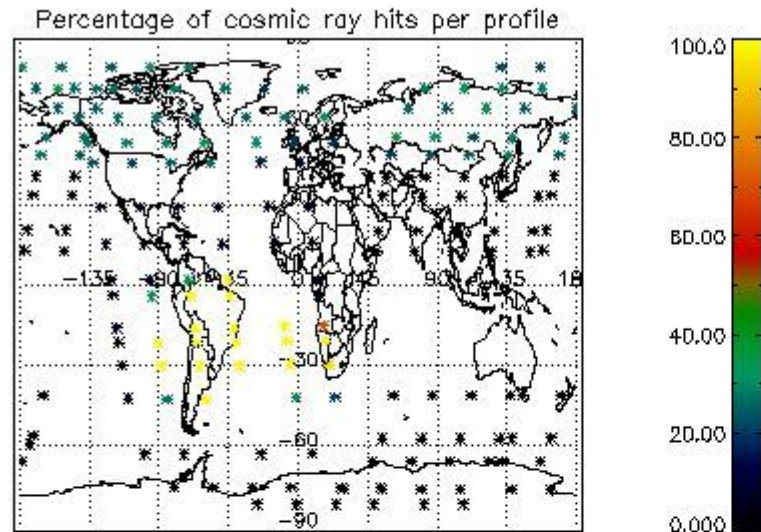
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	48.0663 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



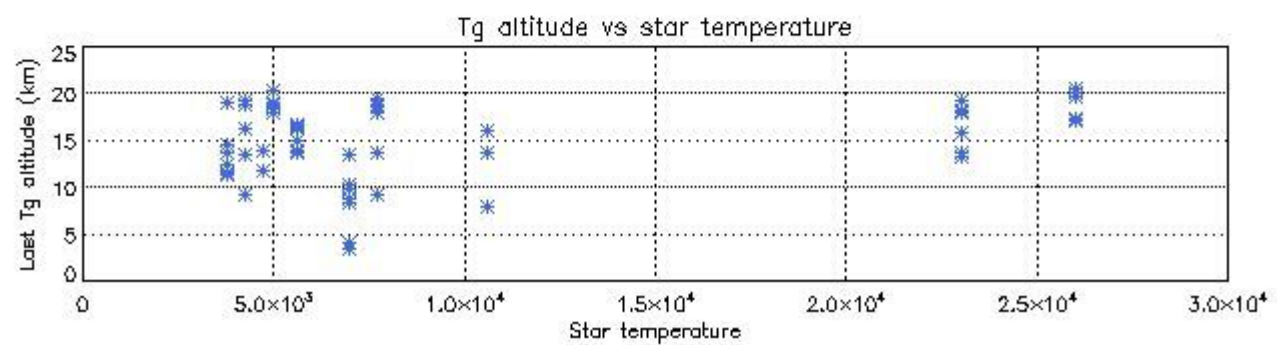
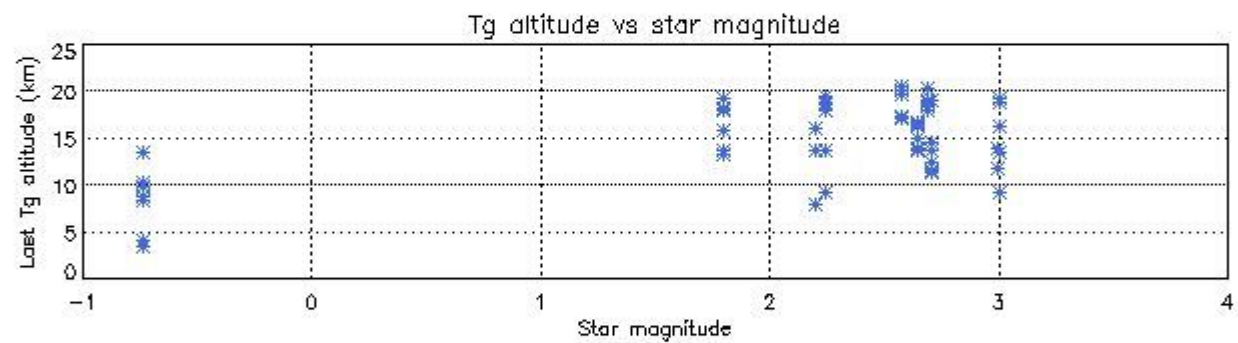
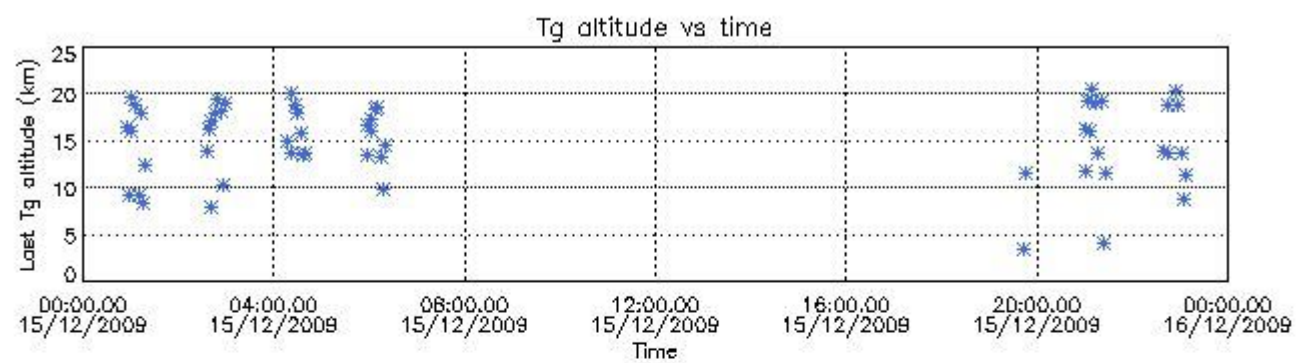
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.896	16.929	12.703
St. deviation:	4.1063	6.7031	1.0814
Maximum:	20.591	27.090	13.544
Minimum:	3.4961	3.5543	11.118
Number of data:	55.000	74.000	4.0000

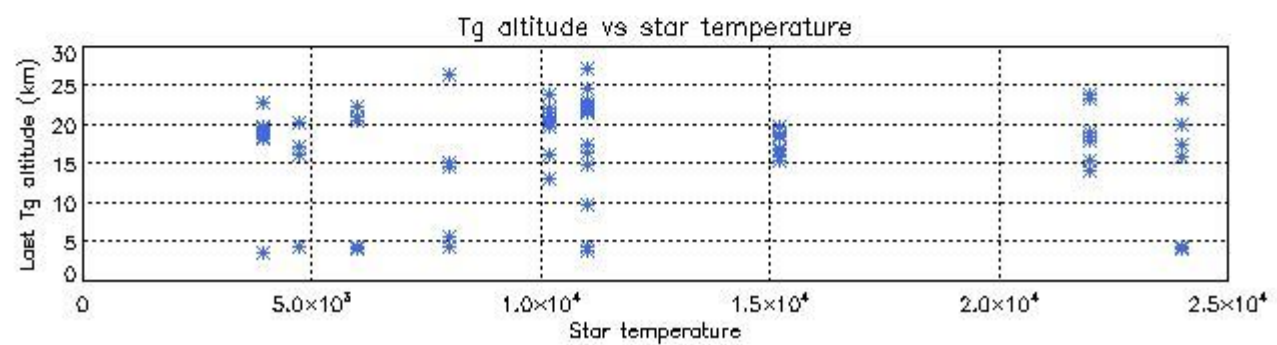
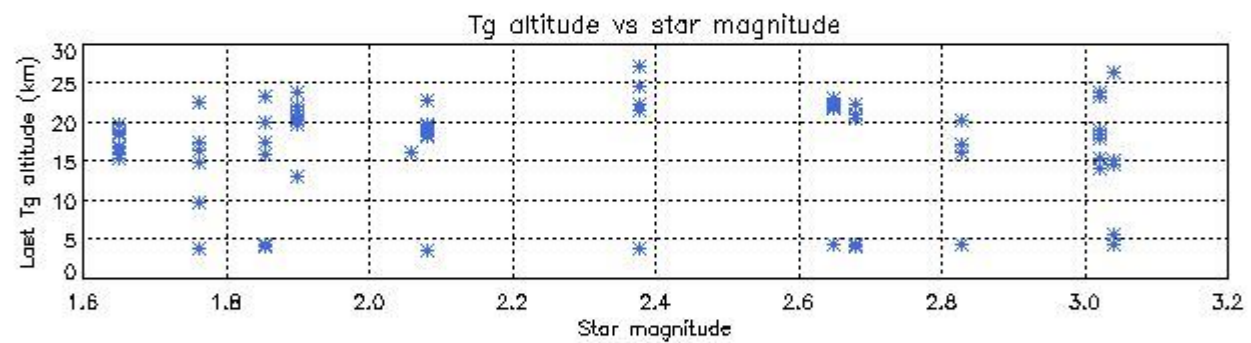
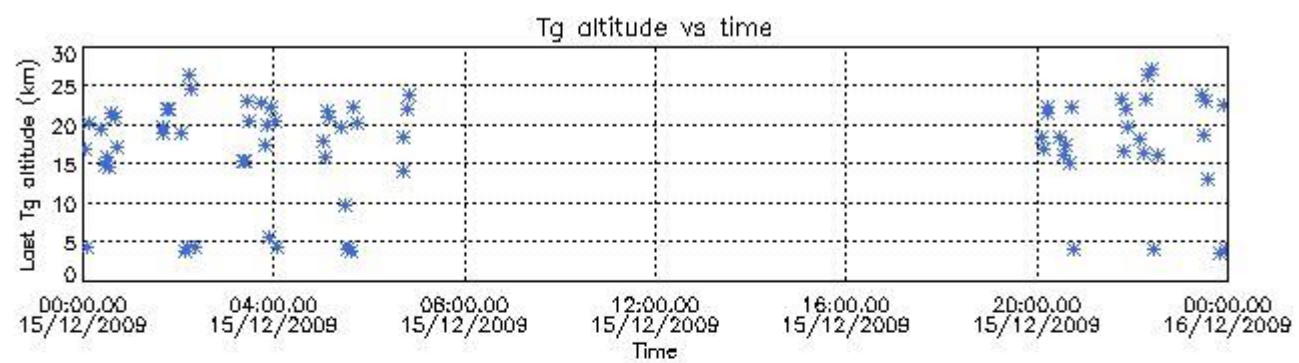
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



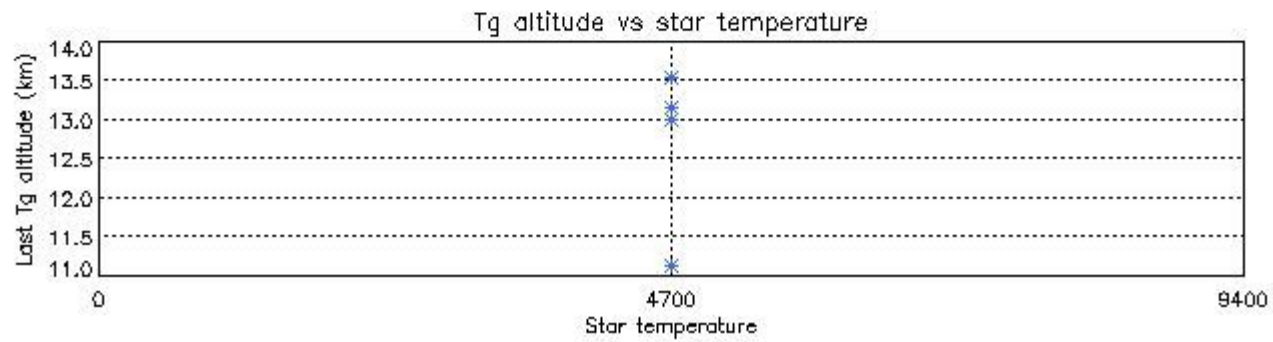
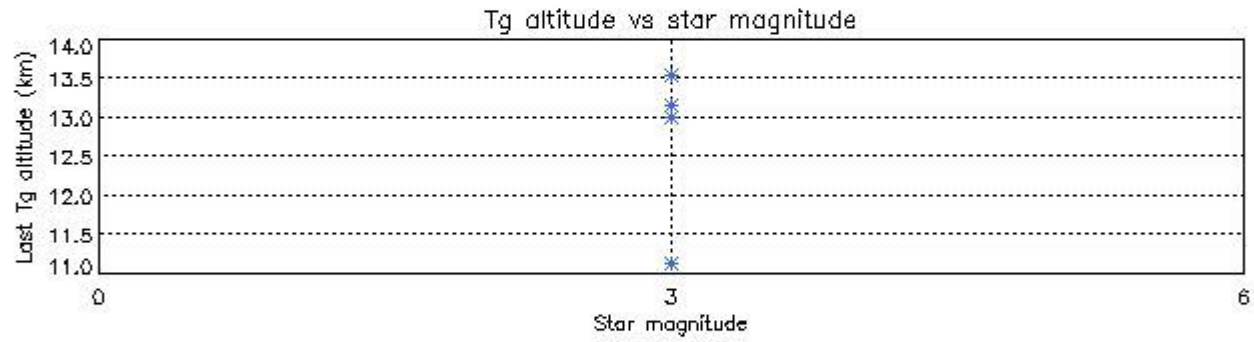
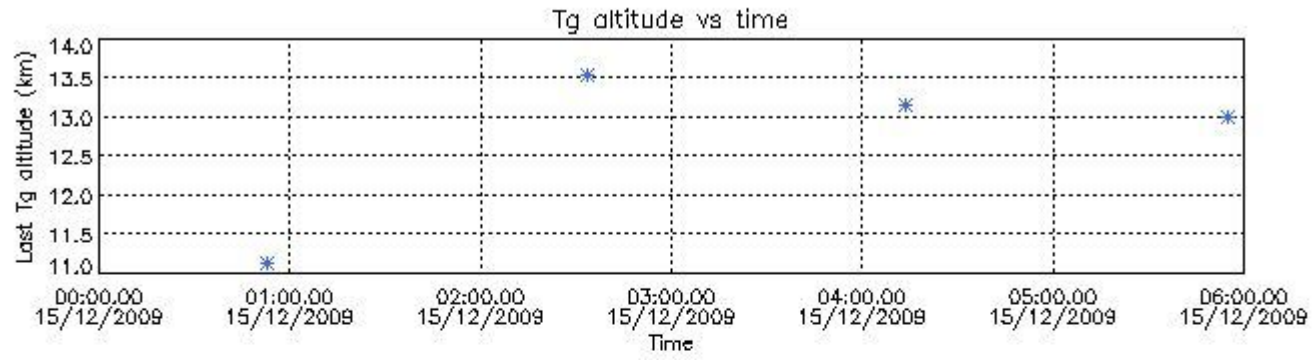
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

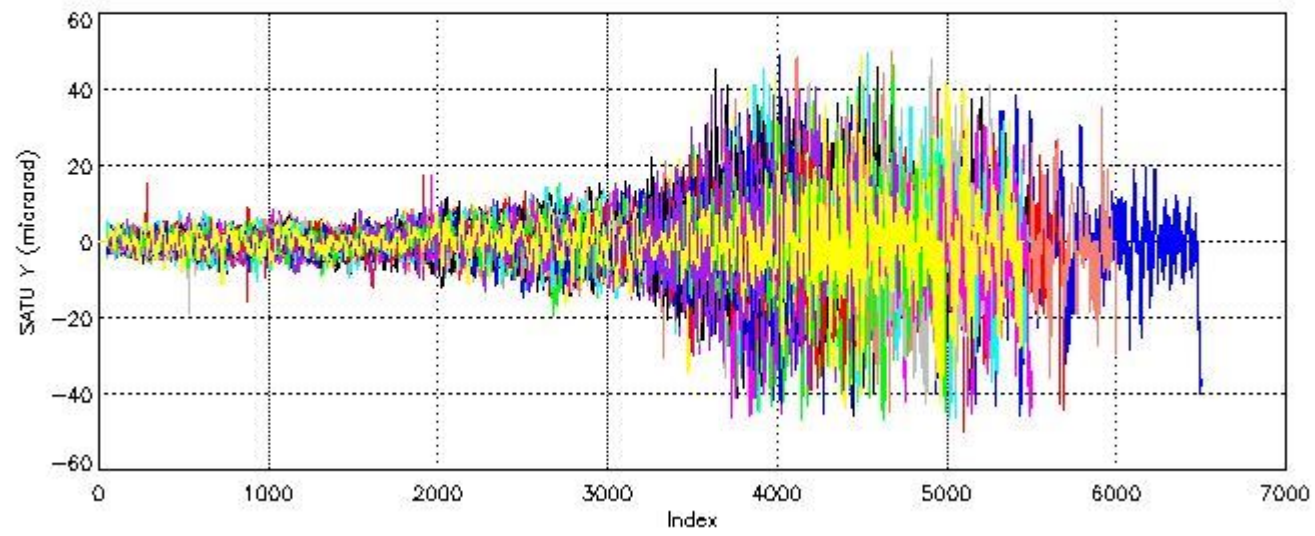
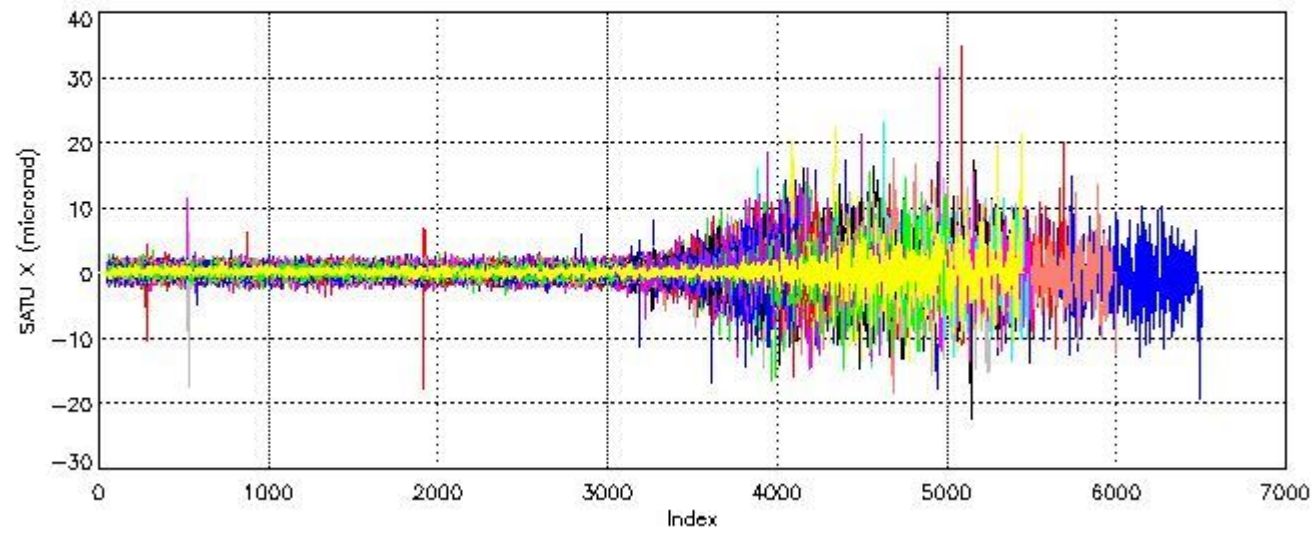


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.21694	-0.22452	0.15861	-0.23003
St. deviation:	0.53343	1.7940	0.84767	2.2117
Maximum:	11.500	15.300	6.5000	9.9000
Minimum:	-17.500	-19.200	-5.6000	-13.800

Number of data:	56750.	56750.	72650.	72650.
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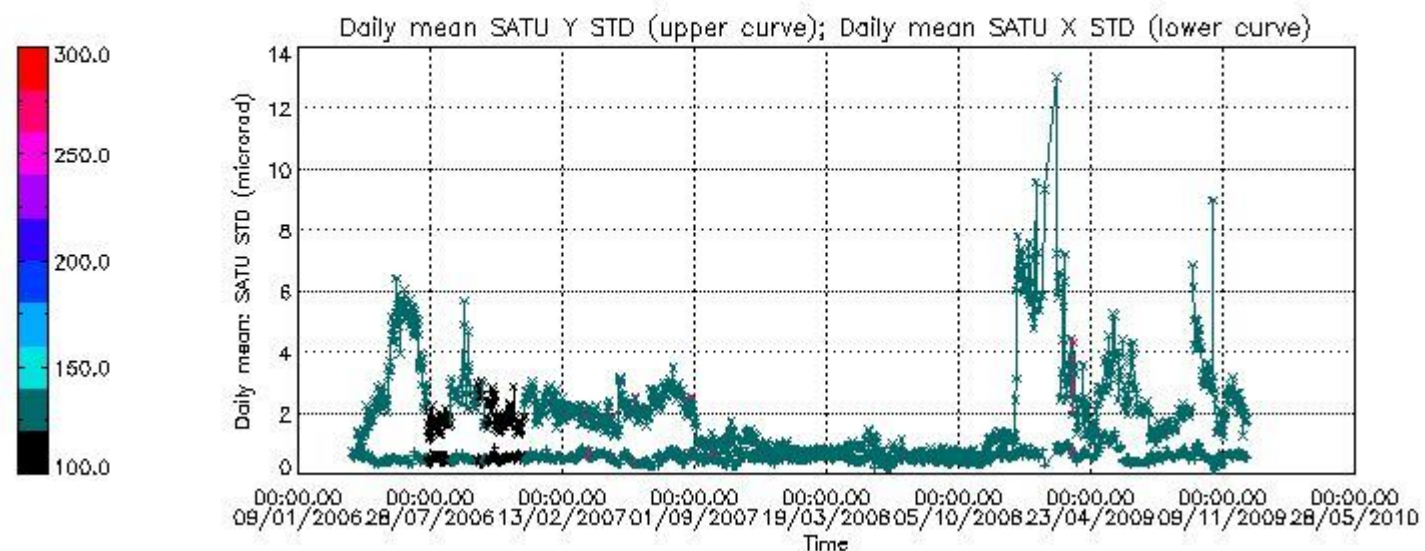
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

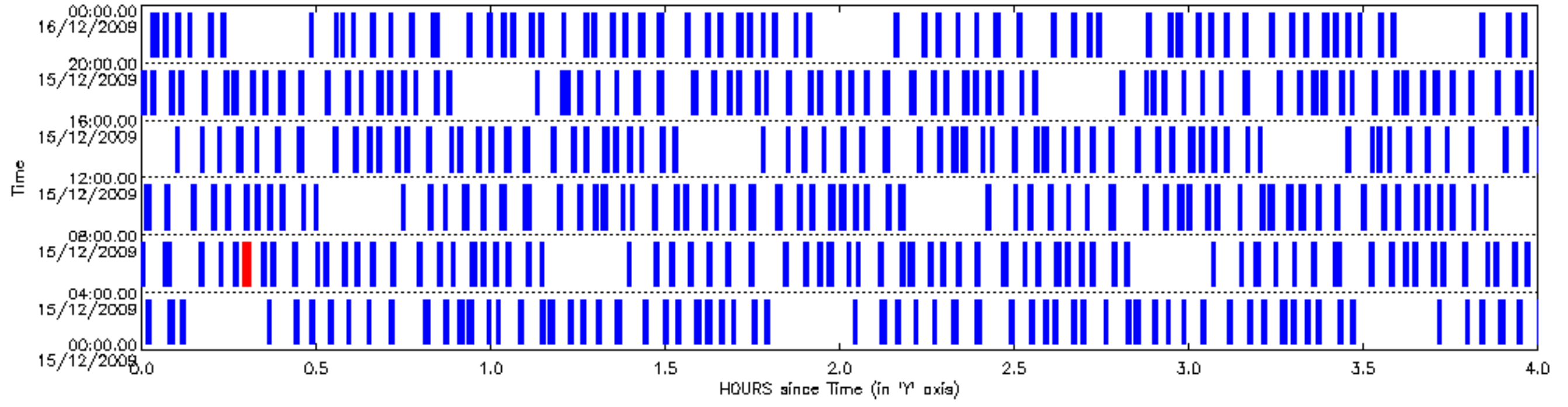
Lower curve: STD of SATU X axis

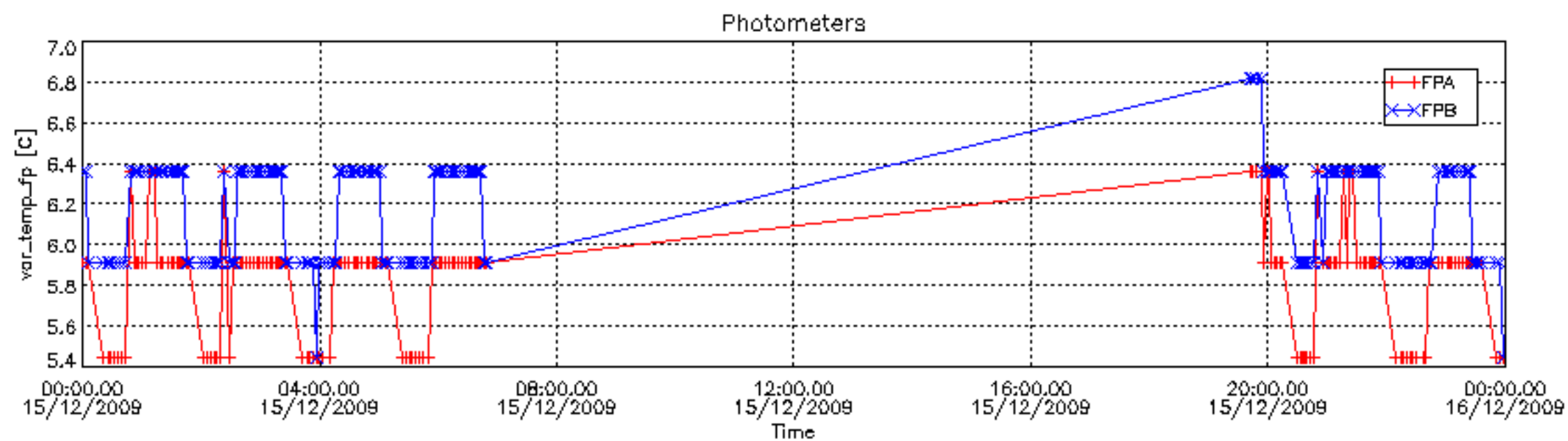
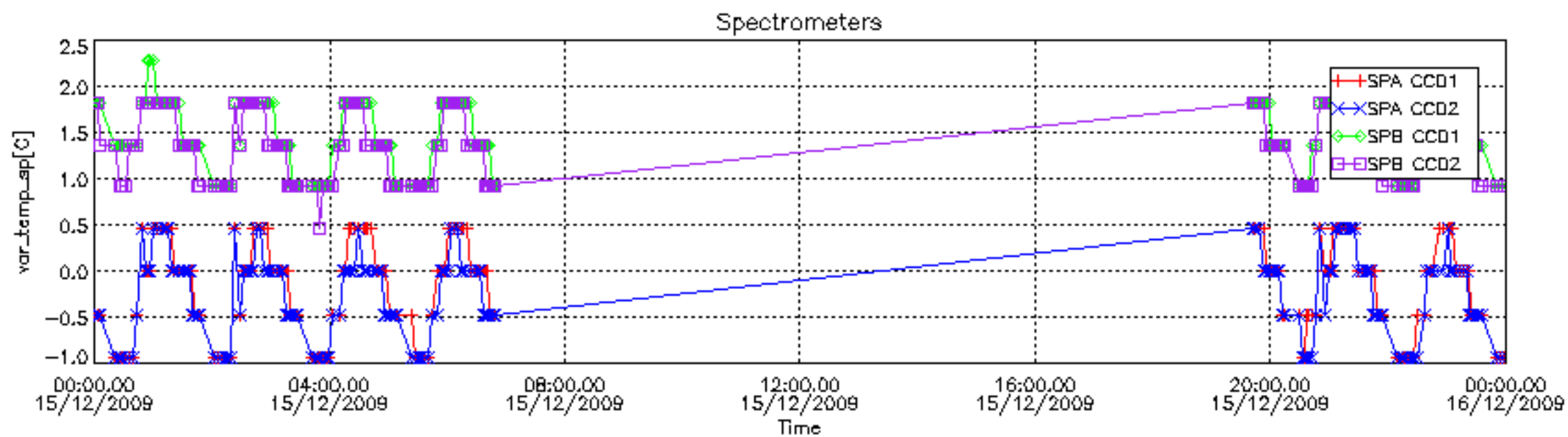


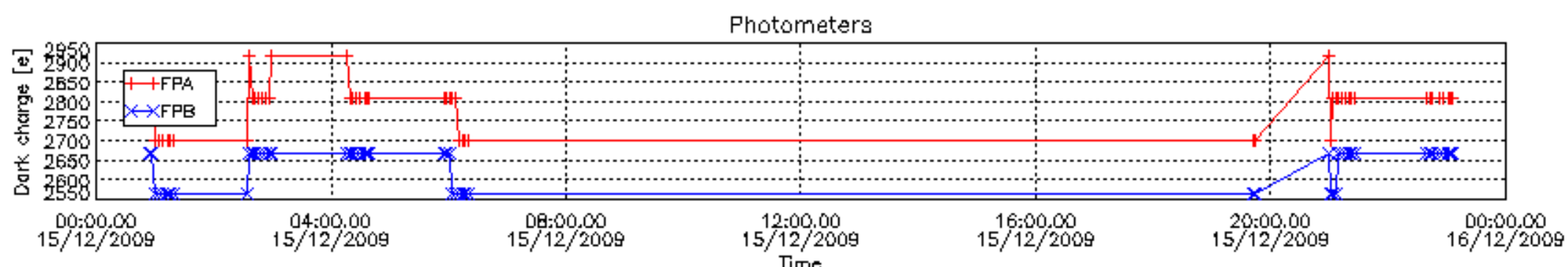
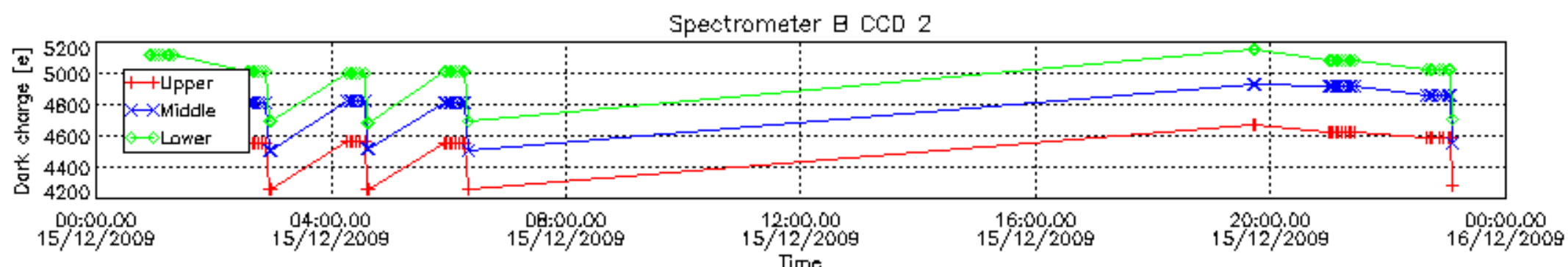
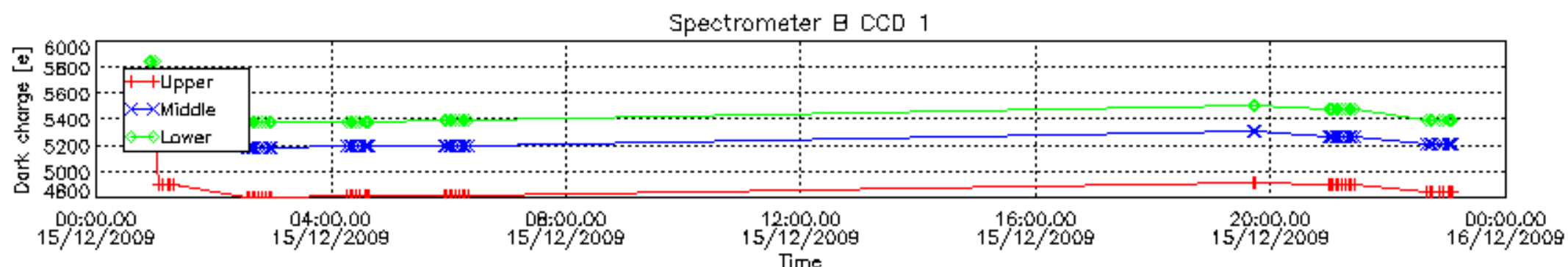
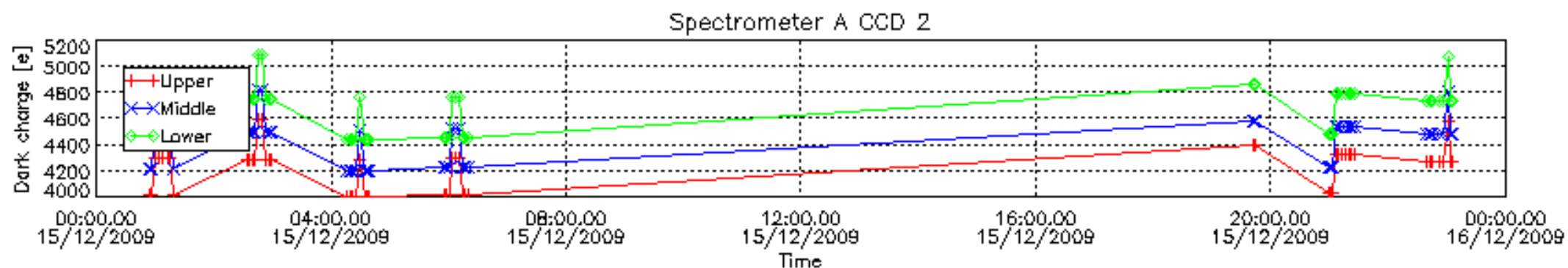
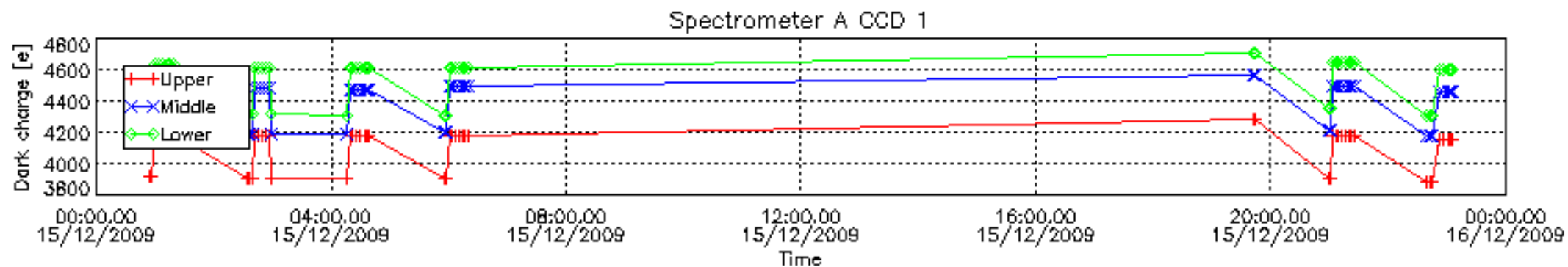
8. Auxiliary Data Files used for the production reported in section 2.4

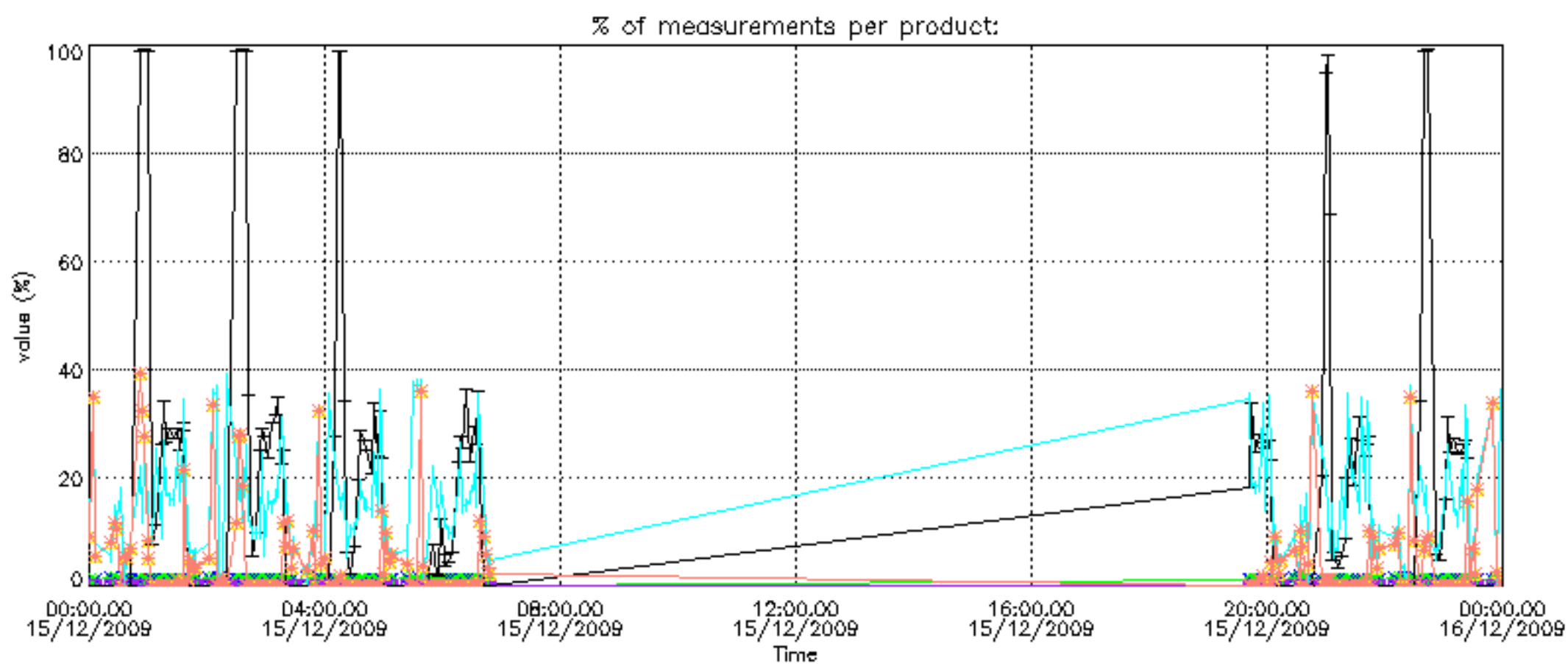
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	15-DEC-2009 00:00:44
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091214_085046_20091212_000000_20500101_000000	1	15-DEC-2009 00:00:44
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	15-DEC-2009 00:00:44
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	15-DEC-2009 00:00:44
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	15-DEC-2009 00:00:44
ECMWF_FILE	AUX_ECF_AXNECM20091214_064113_20091214_210000_20091215_090000	1	15-DEC-2009 00:00:44
ECMWF_FILE	AUX_ECF_AXNECM20091214_182114_20091215_030000_20091215_150000	60	15-DEC-2009 03:42:47
ECMWF_FILE	AUX_ECA_AXNECM20091215_062110_20091214_210000_20091215_090000	87	15-DEC-2009 05:23:23
ECMWF_FILE	AUX_ECF_AXNECM20091215_064110_20091215_150000_20091216_030000	115	15-DEC-2009 19:42:05
ECMWF_FILE	AUX_ECF_AXNECM20091215_064111_20091215_210000_20091216_090000	163	15-DEC-2009 22:36:24
OPTIONAL_ECMWF_FILE	MISSING	1	15-DEC-2009 00:00:44
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091214_230538_000057382085_00101_40736_9359.N1	1	15-DEC-2009 00:00:44
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091215_004635_000054192085_00102_40737_9360.N1	11	15-DEC-2009 00:48:27
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091215_022214_000041442085_00103_40738_9361.N1	38	15-DEC-2009 02:23:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091215_033637_000060572085_00104_40739_9362.N1	60	15-DEC-2009 03:42:47
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20091215_010110_20091214_195839_20091224_212454	87	15-DEC-2009 05:23:23
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091215_193818_000038252085_00114_40749_9364.N1	115	15-DEC-2009 19:42:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091215_204722_000060572085_00114_40749_9365.N1	134	15-DEC-2009 20:49:49
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091215_223338_000057382085_00115_40750_9366.N1	163	15-DEC-2009 22:36:24

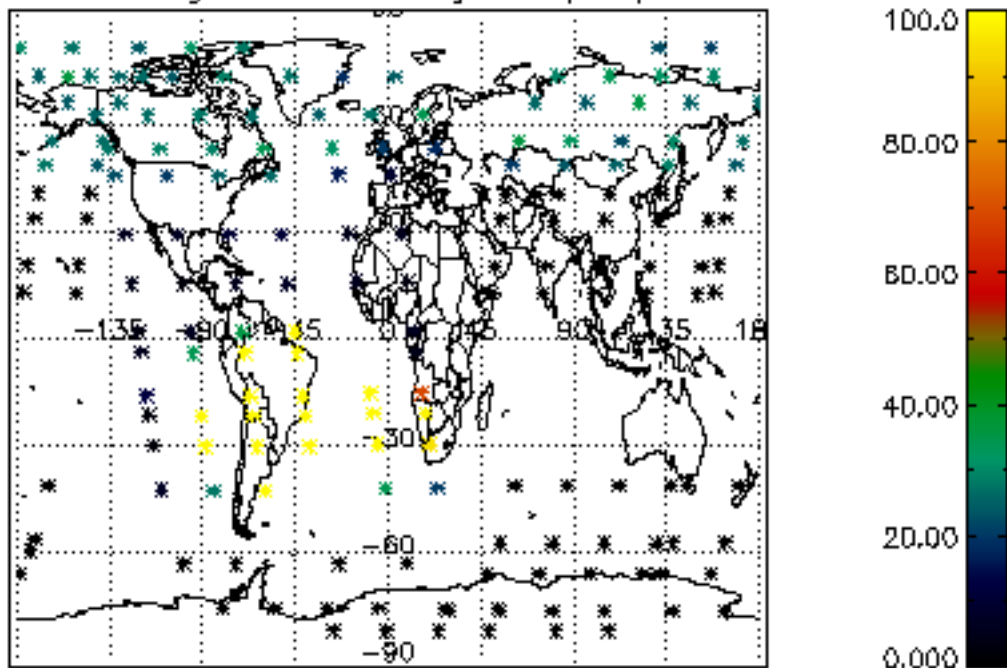




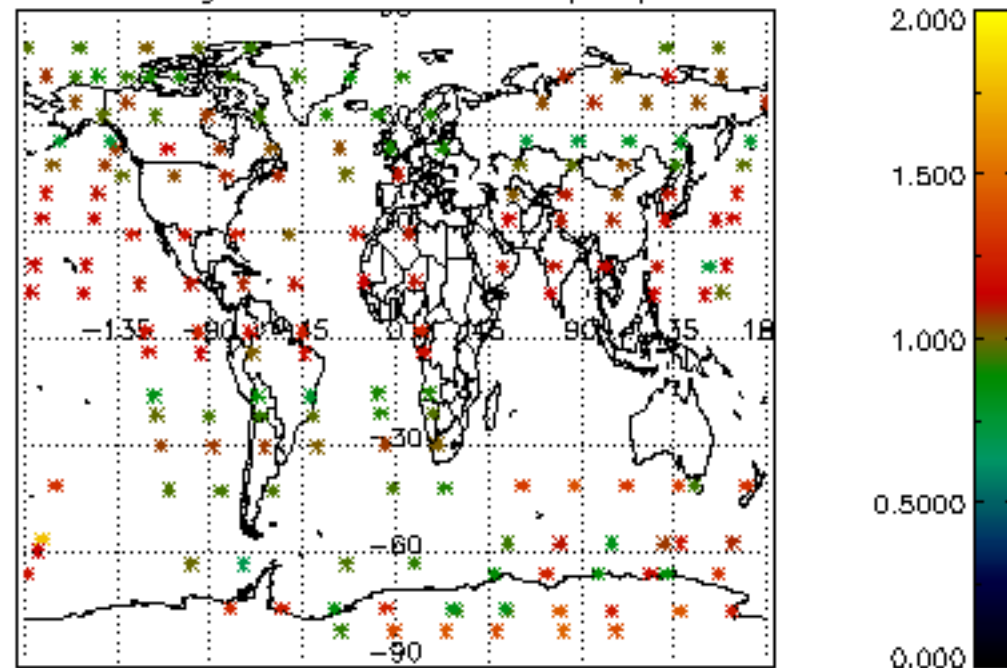




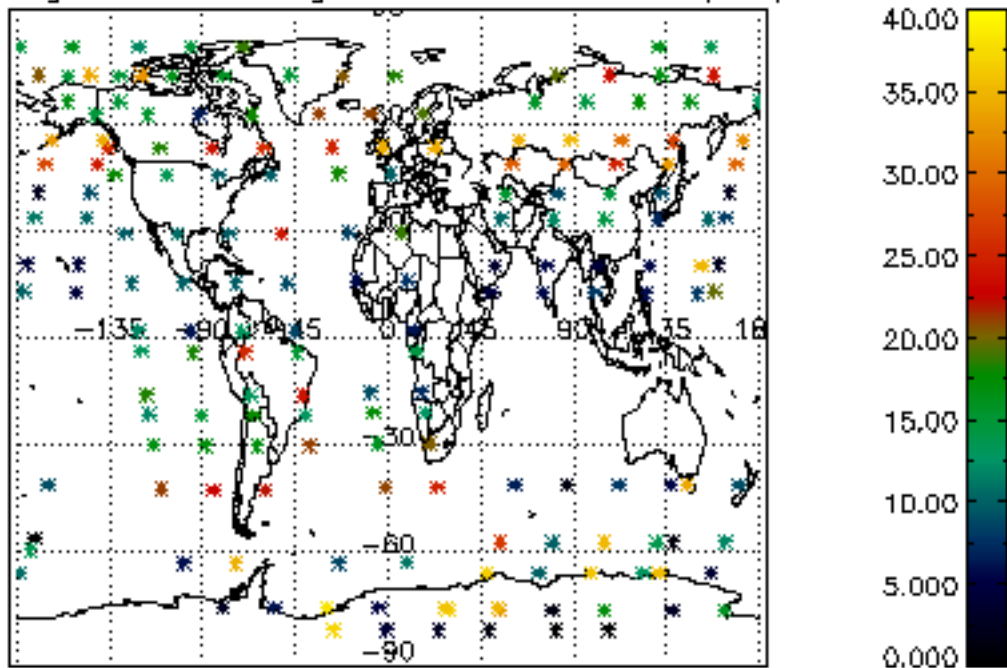
Percentage of cosmic ray hits per profile



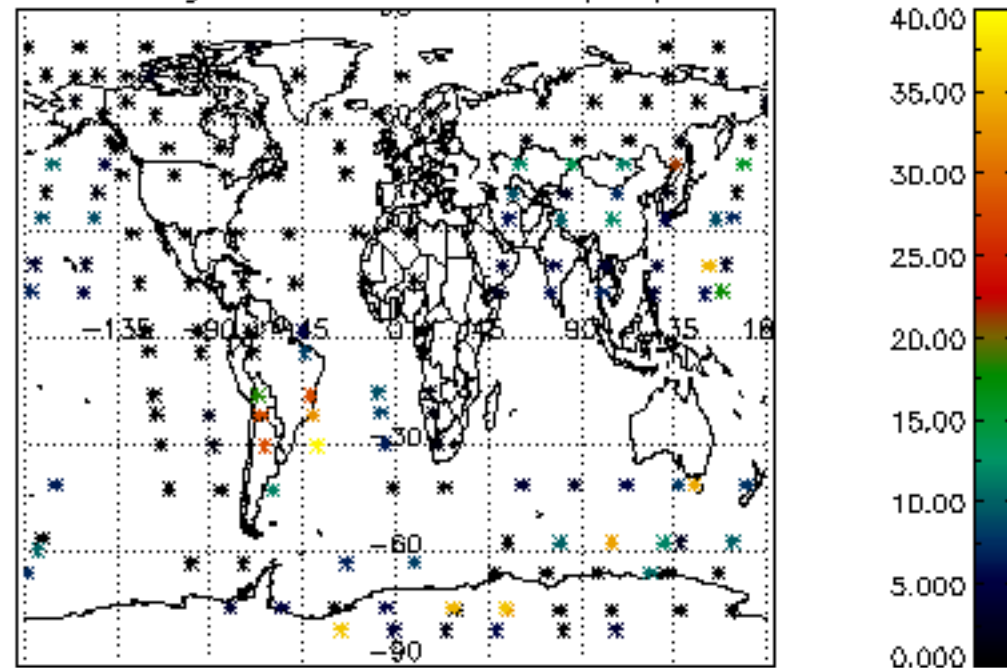
Percentage of datation errors per profile



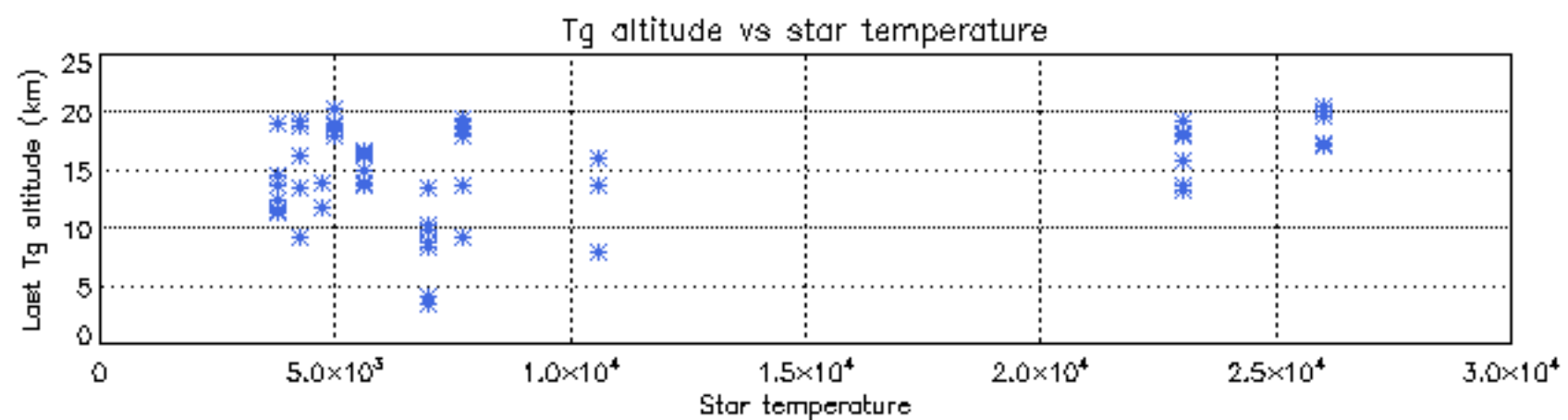
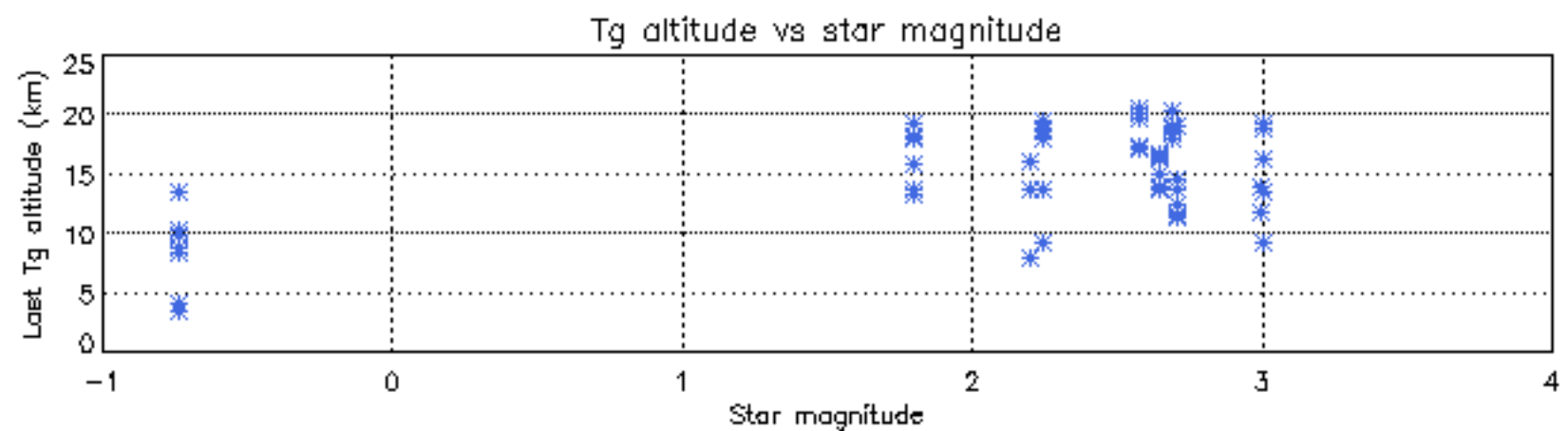
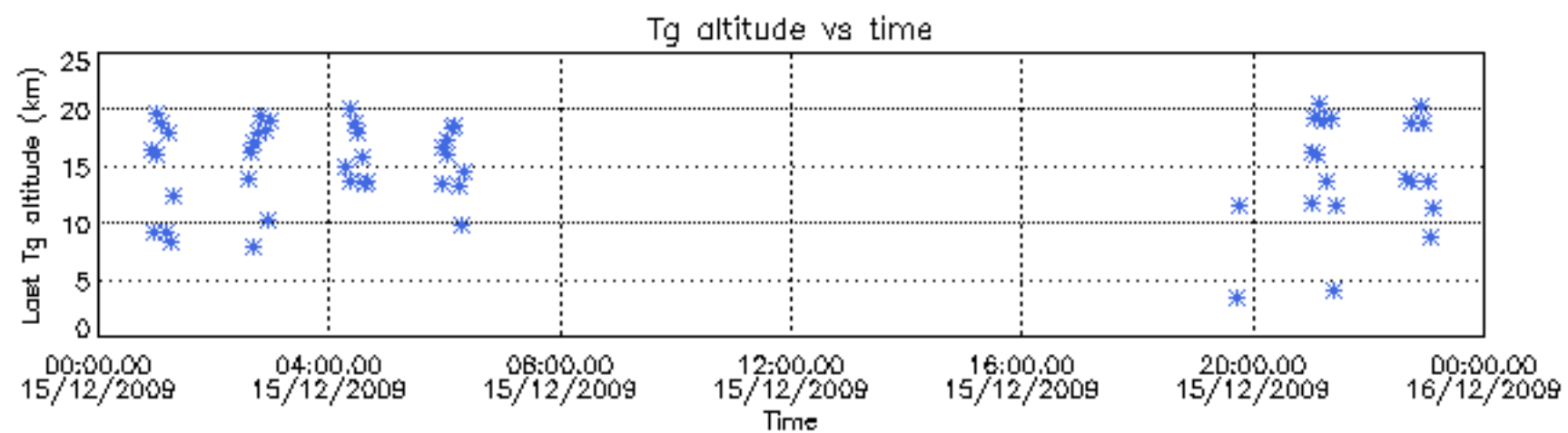
Percentage of star falling outside central band per profile



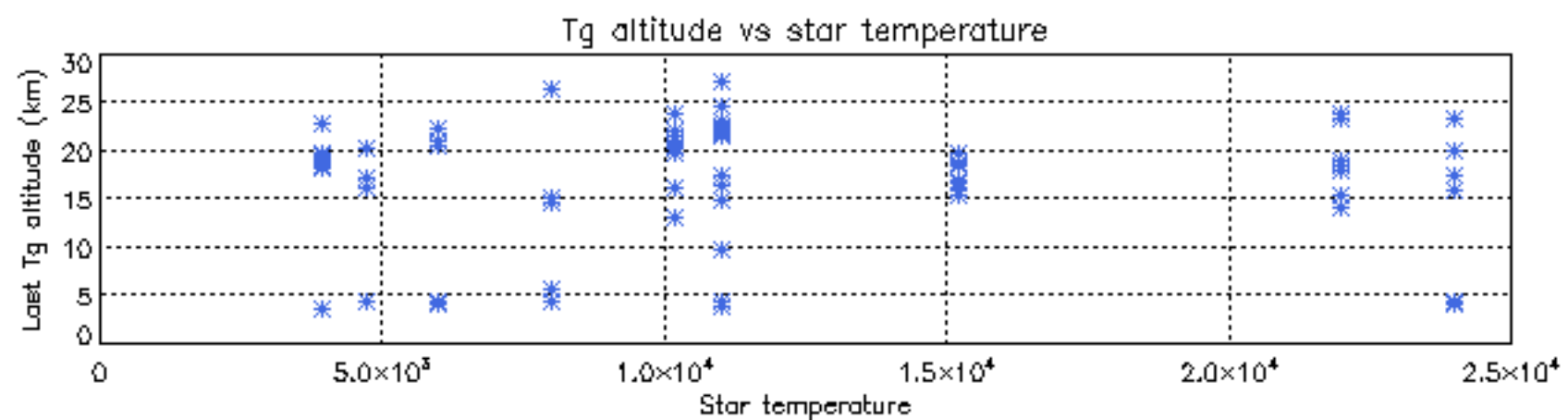
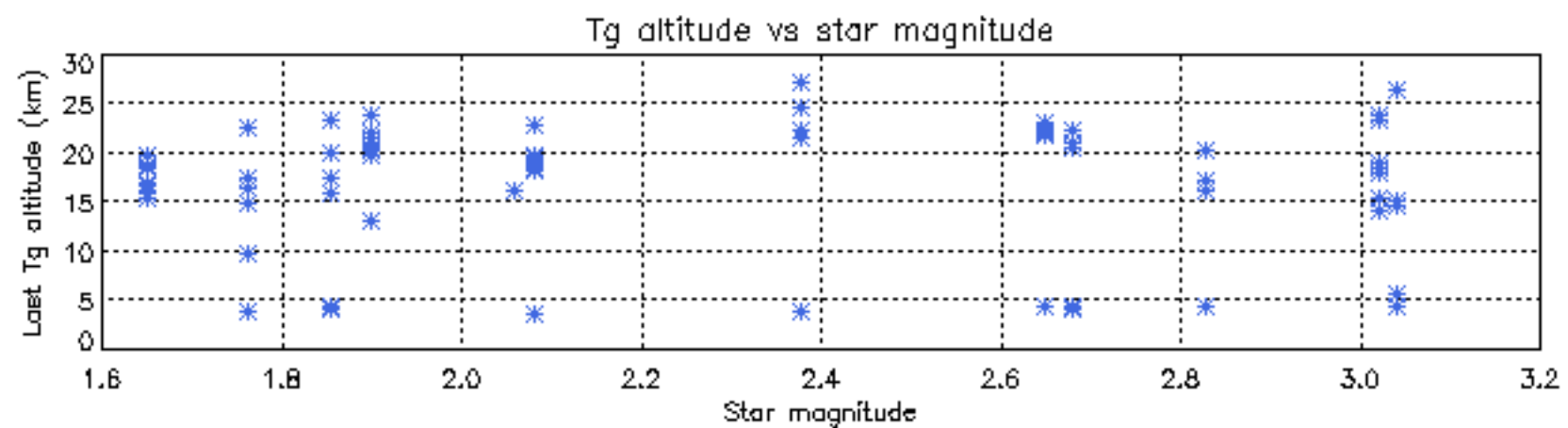
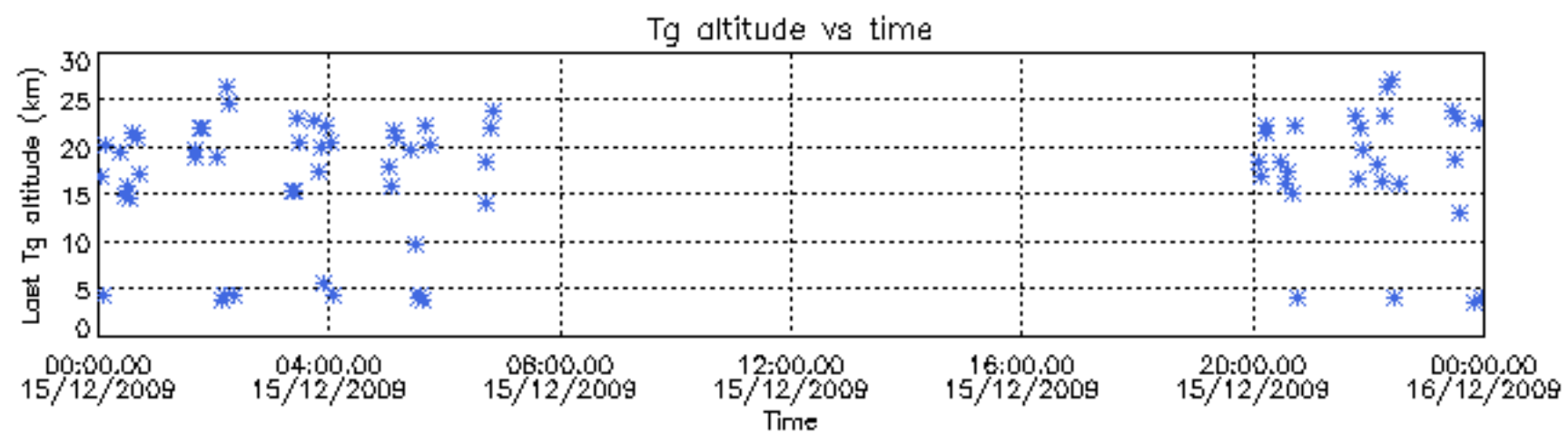
Percentage of saturation errors per profile



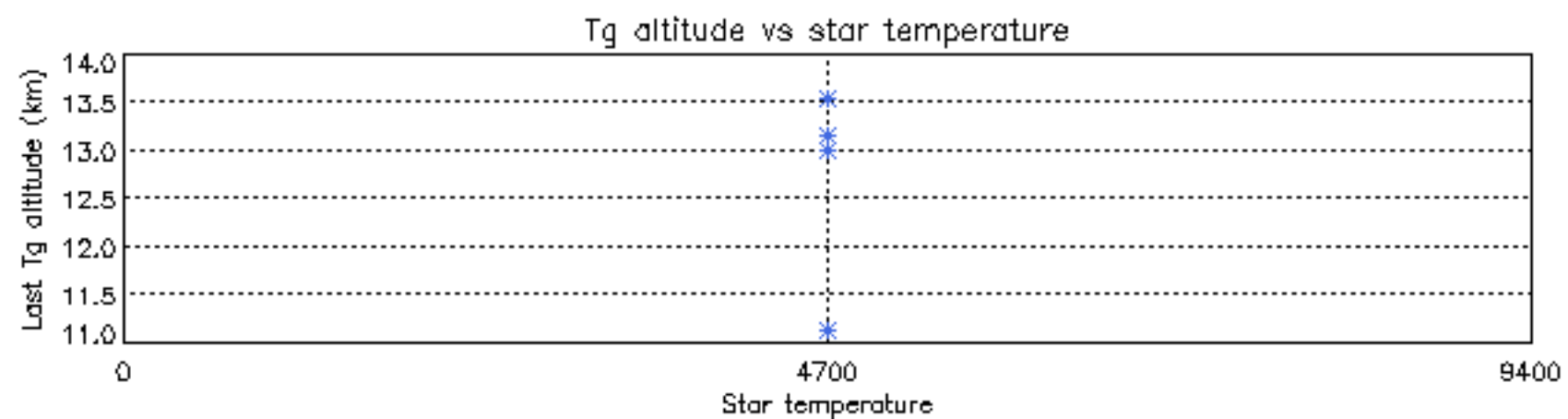
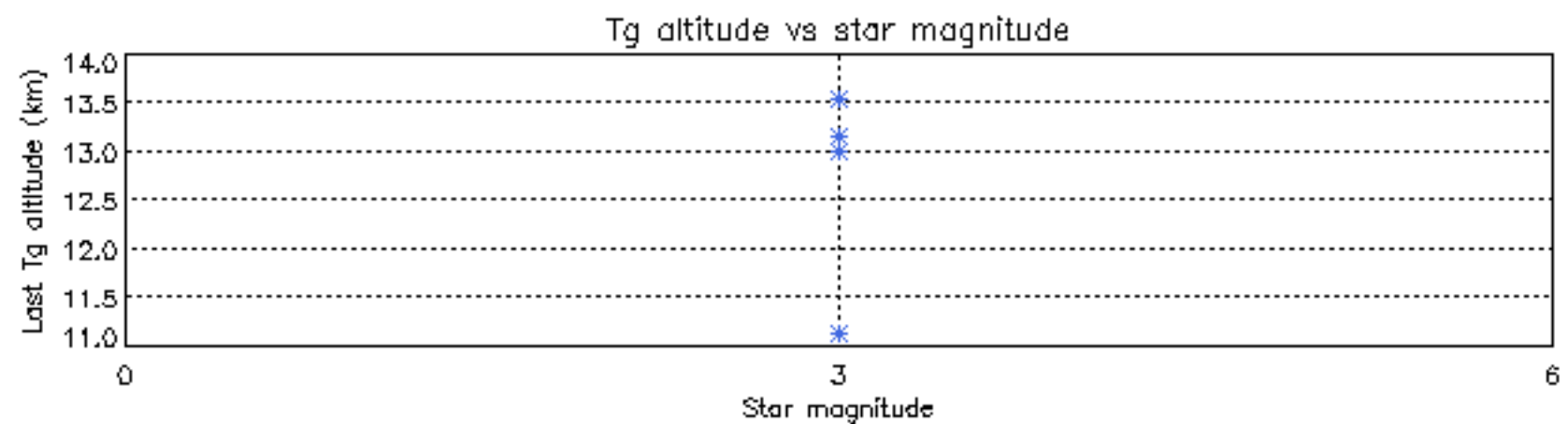
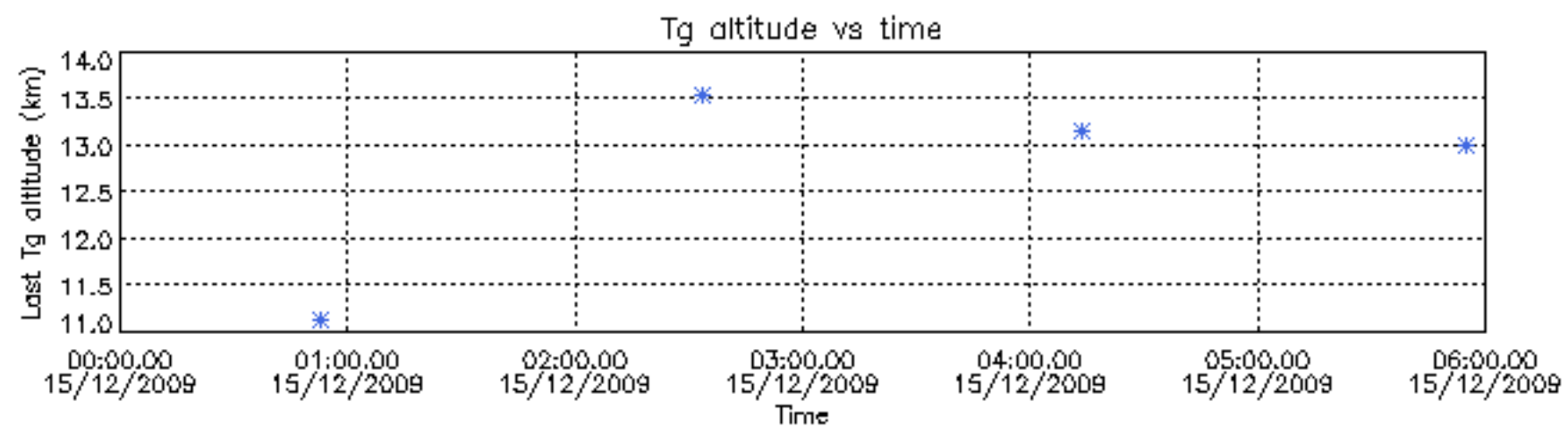
Tangent altitude at which the star is lost

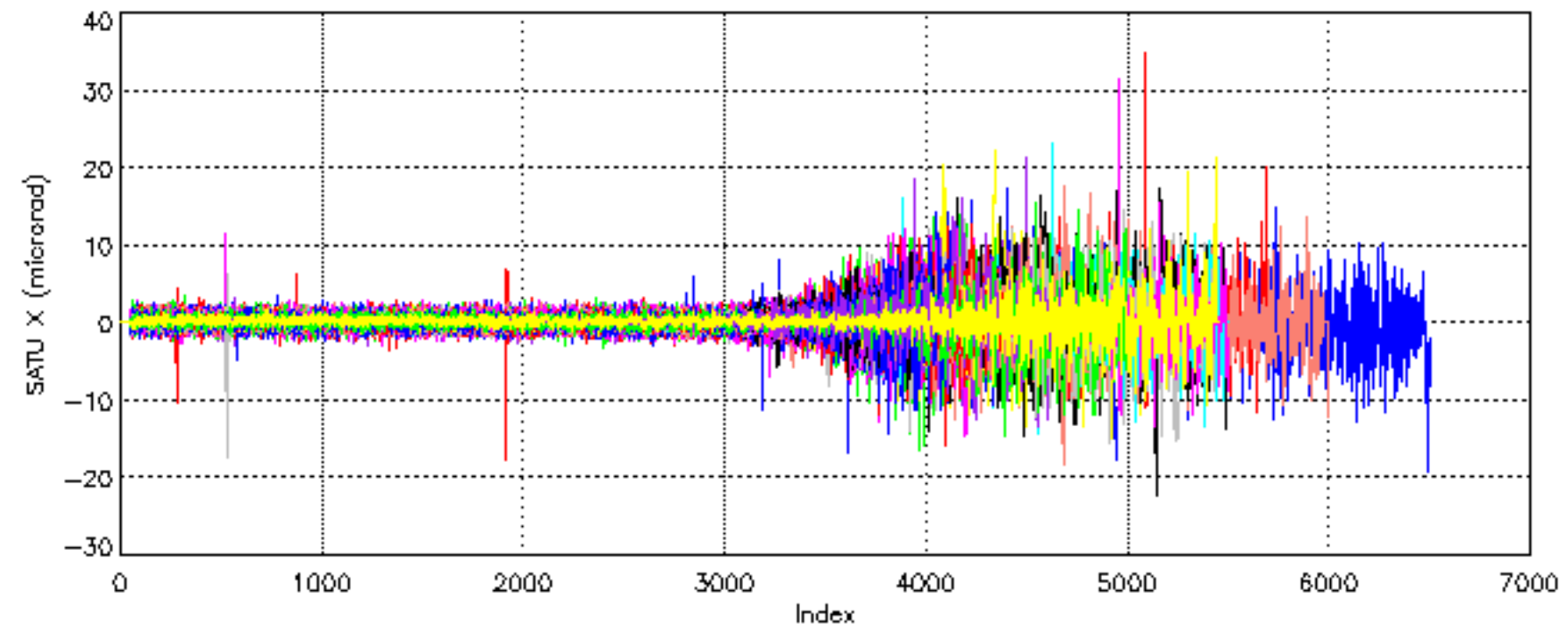


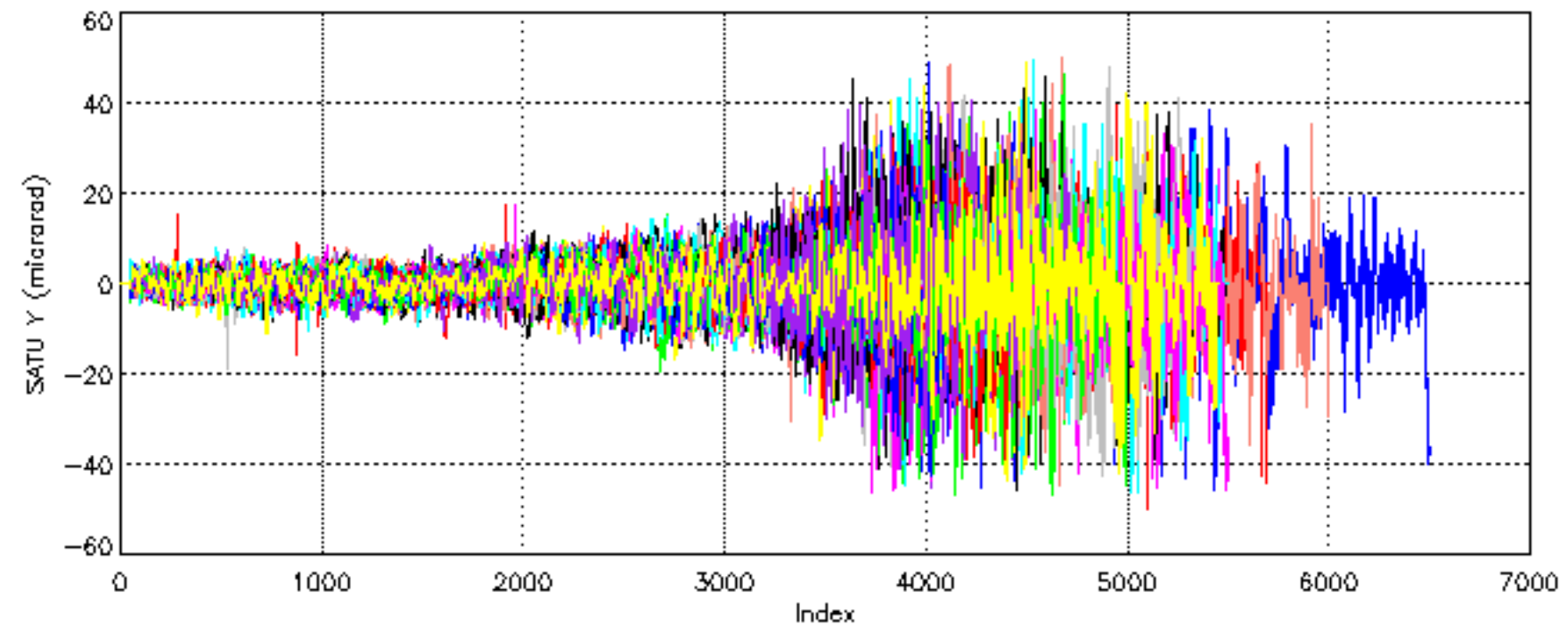
Tangent altitude at which the star is lost

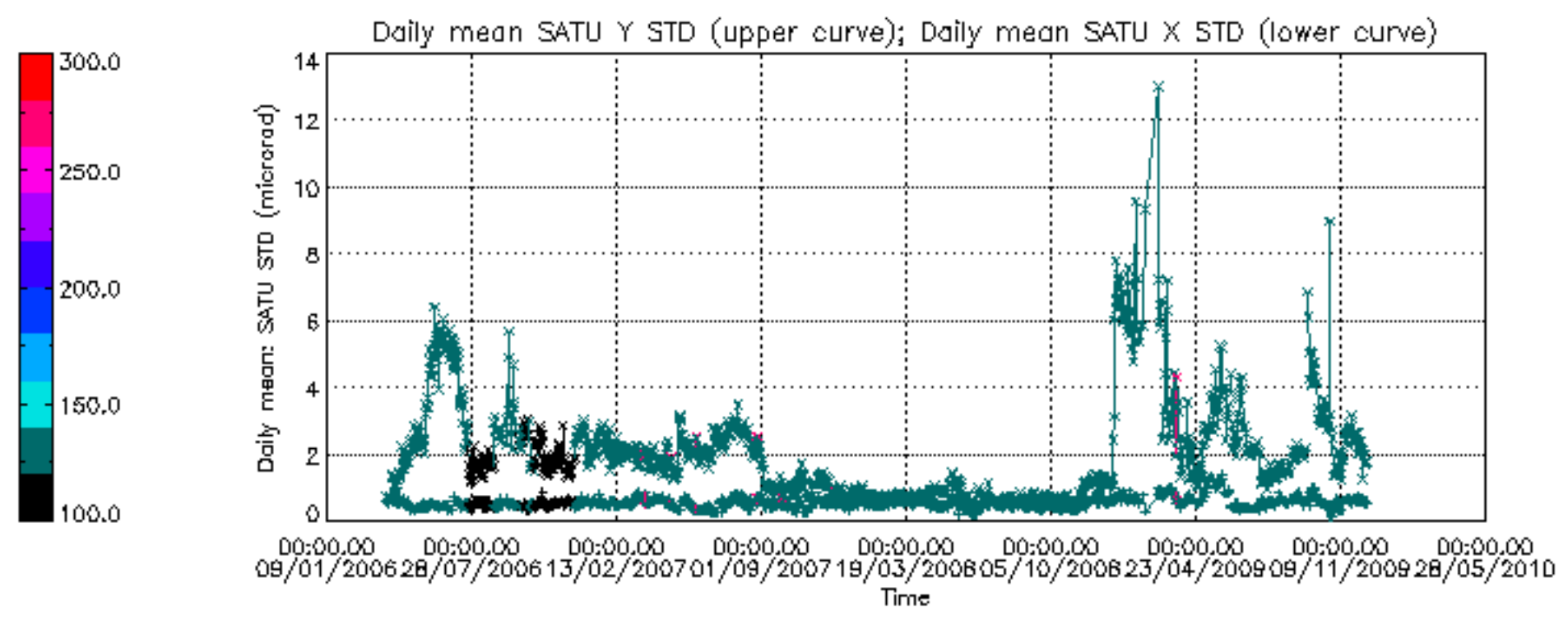


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20091201_013105_000044402084_00403_40537_9039.N1

1; -575.6; 01-DEC-2009 01:31:05; Dark ; 49.5; 100; 4Gam Crv ; 2.58; 13100;occ; 99; 0;40537
 2; -480.0; 01-DEC-2009 01:32:41; Dark ; 48.5; 171; 2Eps Crv ; 3.00; 4250;occ; 97; 0;40537
 3; 88.7; 01-DEC-2009 01:42:10; Dark ; 48.5; 113; Mu Vel ; 2.69; 5000;occ; 97; 0;40538
 4; 407.7; 01-DEC-2009 01:47:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40538
 5; 605.8; 01-DEC-2009 01:50:47; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;40538
 6; 711.5; 01-DEC-2009 01:52:32; Dark ; 57.0; 70; Zet Pup ; 2.25; 39000;occ; 114; 0;40538
 7; 919.9; 01-DEC-2009 01:56:01; Dark ; 62.0; 117; Pi Pup ; 2.71; 3800;occ; 124; 0;40538
 8; 1147.6; 01-DEC-2009 01:59:49; Dark ; 69.0; 23; 21Eps CMa ; 1.50; 26000;occ; 138; 0;40538
 9; 1535.7; 01-DEC-2009 02:06:17; Dark ; 55.0; 101; 11Alp Lep ; 2.58; 7000;occ; 110; 0;40538
 10; 1752.0; 01-DEC-2009 02:09:53; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;40538
 11; 1933.1; 01-DEC-2009 02:12:54; Dark ; 62.5; 30; 46Eps Ori ; 1.69; 30000;occ; 125; 0;40538
 12; 2096.1; 01-DEC-2009 02:15:37; Dark ; 66.0; 27; 24Gam Ori ; 1.64; 26000;occ; 132; 0;40538
 13; 2231.9; 01-DEC-2009 02:17:53; Bright; 50.0; 13; 87Alp Tau ; 0.87; 3800;occ; 100; 0;40538
 14; 2328.4; 01-DEC-2009 02:19:29; Bright; 39.0; 146; 25Eta Tau ; 2.87; 15200;occ; 78; 0;40538
 15; 2470.7; 01-DEC-2009 02:21:52; Bright; 39.5; 150; 44Zet Per ; 2.89; 28000;occ; 79; 0;40538
 16; 2616.0; 01-DEC-2009 02:24:17; Bright; 39.5; 149; 45Eps Per ; 2.89; 30000;occ; 79; 0;40538
 17; 2847.4; 01-DEC-2009 02:28:08; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;40538
 18; 2957.0; 01-DEC-2009 02:29:58; Bright; 51.0; 42; 34Bet Aur ; 1.90; 10200;occ; 102; 0;40538
 19; 3821.0; 01-DEC-2009 02:44:22; Bright; 44.0; 36; 50Alp UMa ; 1.80; 6300;occ; 88; 0;40538

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20091201_024439_000052052084_00404_40538_9040.N1

1; -2197.9; 01-DEC-2009 02:44:39; Bright; 44.5; 36; 50Alp UMa ; 1.80; 6300;occ; 89; 34;40538
 2; -2118.8; 01-DEC-2009 02:45:58; Bright; 47.0; 82; 48Bet UMa ; 2.37; 10600;occ; 94; 0;40538
 3; -2021.4; 01-DEC-2009 02:47:36; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;40538
 4; -1848.5; 01-DEC-2009 02:50:28; Bright; 52.0; 174; 52Psi UMa ; 3.00; 4400;occ; 104; 0;40538
 5; -1687.8; 01-DEC-2009 02:53:09; Bright; 37.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 75; 0;40538
 6; -1112.5; 01-DEC-2009 03:02:44; Bright; 55.5; 62; 94Bet Leo ; 2.14; 9700;occ; 111; 0;40538
 7; -915.0; 01-DEC-2009 03:06:02; Bright; 62.0; 121; 29Gam Vir ; 2.74; 7200;occ; 124; 0;40538
 8; -574.6; 01-DEC-2009 03:11:42; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;40538
 9; -479.0; 01-DEC-2009 03:13:18; Dark ; 48.5; 171; 2Eps Crv ; 3.00; 4250;occ; 97; 0;40538
 10; 89.2; 01-DEC-2009 03:22:46; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;40539
 11; 408.5; 01-DEC-2009 03:28:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40539
 12; 607.0; 01-DEC-2009 03:31:24; Dark ; 59.5; 34; Gam2Vel ; 1.79; 23000;occ; 119; 0;40539
 13; 712.6; 01-DEC-2009 03:33:09; Dark ; 54.5; 70; Zet Pup ; 2.25; 39000;occ; 109; 0;40539
 14; 920.7; 01-DEC-2009 03:36:38; Dark ; 60.5; 117; Pi Pup ; 2.71; 3800;occ; 121; 0;40539
 15; 1148.2; 01-DEC-2009 03:40:25; Dark ; 68.0; 23; 21Eps CMa ; 1.50; 26000;occ; 136; 0;40539
 16; 1536.0; 01-DEC-2009 03:46:53; Dark ; 56.0; 101; 11Alp Lep ; 2.58; 7000;occ; 112; 0;40539
 17; 1752.3; 01-DEC-2009 03:50:29; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;40539
 18; 1932.8; 01-DEC-2009 03:53:30; Dark ; 65.5; 30; 46Eps Ori ; 1.69; 30000;occ; 131; 0;40539
 19; 2095.7; 01-DEC-2009 03:56:13; Dark ; 61.0; 27; 24Gam Ori ; 1.64; 26000;occ; 122; 0;40539
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 21; 2328.6; 01-DEC-2009 04:00:05; Bright; 38.5; 146; 25Eta Tau ; 2.87; 15200;occ; 77; 0;40539
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 21; 6754.2; 10-DEC-2009 12:13:29; Dark ; 54.0; 34; Gam2Vel ; 1.79; 23000;occ; 108; 0;40672
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 23; 7056.3; 10-DEC-2009 12:18:31; Dark ; 55.0; 117; Pi Pup ; 2.71; 3800;occ; 110; 0;40672
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 8; 2772.5; 10-DEC-2009 14:28:19; Bright; 43.0; 6; 13Alp Aur ; 0.08; 3400;occ; 86; 0;40674
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 11; 3997.6; 10-DEC-2009 14:48:44; Bright; 38.5; 32; 77Eps UMA ; 1.76; 11000;occ; 77; 0;40674
 12; 4140.8; 10-DEC-2009 14:51:07; Bright; 35.5; 39; 85Eta UMA ; 1.85; 24000;occ; 71; 0;40674
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 5; 2043.3; 10-DEC-2009 15:56:45; Dark ; 51.5; 27; 24Gam Ori ; 1.64; 26000;occ; 103; 0;40675
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13; 4140.4; 10-DEC-2009 16:31:43; Bright; 48.0; 39; 85Eta UMa ; 1.85; 24000;occ; 96; 0;40675
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13; 3997.4; 10-DEC-2009 18:09:56; Bright; 46.5; 32; 77Eps UMa ; 1.76; 11000;occ; 93; 0;40676
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23; 6557.4; 10-DEC-2009 18:52:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40676
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2; -2040.0; 11-DEC-2009 05:54:06; Bright; 39.5; 32; 77Eps UMa ; 1.76; 11000;occ; 79; 0;40683
3; -1895.8; 11-DEC-2009 05:56:30; Bright; 56.0; 39; 85Eta UMa ; 1.85; 24000;occ; 112; 0;40683
4; -1704.7; 11-DEC-2009 05:59:41; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;40683
5; -1325.6; 11-DEC-2009 06:06:00; Bright; 37.0; 111; 8Eta Boo ; 2.68; 6000;occ; 74; 0;40683
6; -1108.9; 11-DEC-2009 06:09:37; Bright; 67.0; 138; 47Eps Vir ; 2.83; 4700;occ; 134; 0;40683
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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 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
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 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
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 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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 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
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 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
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 15; 5490.0; 11-DEC-2009 07:59:36; Dark ; 45.0; 169; 46Gam Hya ; 2.99; 4700;occ; 90; 0;40684
 16; 5603.0; 11-DEC-2009 08:01:29; Dark ; 56.5; 100; 4Gam Crv ; 2.58; 13100;occ; 113; 0;40684
 17; 5699.1; 11-DEC-2009 08:03:05; Dark ; 53.5; 171; 2Eps Crv ; 3.00; 4250;occ; 107; 0;40684
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 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
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 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
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 6; 2591.4; 11-DEC-2009 08:51:53; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40685
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 9; 3995.8; 11-DEC-2009 09:15:18; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;40685
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 11; 4331.5; 11-DEC-2009 09:20:53; Bright; 53.0; 180; 27Gam Boo ; 3.04; 8000;occ; 106; 0;40685
 12; 4710.8; 11-DEC-2009 09:27:13; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40685
 13; 4928.1; 11-DEC-2009 09:30:50; Bright; 67.0; 138; 47Eps Vir ; 2.83; 4700;occ; 134; 0;40685
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 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
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 27; 7563.8; 11-DEC-2009 10:14:46; Dark ; 34.5; 47; 2Bet CMa ; 1.98; 28000;occ; 69; 0;40685

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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
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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
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17; 5491.5; 11-DEC-2009 11:20:49; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40686
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19; 5701.3; 11-DEC-2009 11:24:19; Dark ; 55.5; 171; 2Eps Crv ; 3.00; 4250;occ; 111; 0;40686
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21; 6030.9; 11-DEC-2009 11:29:49; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40686
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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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4; 2040.0; 11-DEC-2009 12:03:54; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;40687
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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
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9; 2766.6; 11-DEC-2009 12:16:00; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;40687
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19; 5702.6; 11-DEC-2009 13:04:56; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;40687
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22; 6249.0; 11-DEC-2009 13:14:03; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;40687
23; 6492.6; 11-DEC-2009 13:18:06; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40687
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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
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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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 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
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 19; 5703.8; 11-DEC-2009 14:45:33; Dark ; 58.5; 171; 2Eps Crv ; 3.00; 4250;occ; 117; 0;40688
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 22; 6249.9; 11-DEC-2009 14:54:39; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;40688
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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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1; 1528.3; 11-DEC-2009 15:16:34; Dark ; 41.0; 47; 2Bet CMA ; 1.98; 28000;occ; 82; 0;40689
 2; 1748.2; 11-DEC-2009 15:20:14; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;40689
 3; 1893.6; 11-DEC-2009 15:22:39; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40689
 4; 2039.6; 11-DEC-2009 15:25:05; Dark ; 49.0; 27; 24Gam Ori ; 1.64; 26000;occ; 98; 0;40689
 5; 2196.8; 11-DEC-2009 15:27:42; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;40689
 6; 2354.6; 11-DEC-2009 15:30:20; Bright; 46.5; 176; 23Zet Tau ; 3.02; 22000;occ; 93; 0;40689
 7; 2475.9; 11-DEC-2009 15:32:21; Bright; 44.5; 28; 12Bet Tau ; 1.65; 15200;occ; 89; 0;40689
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 9; 2765.9; 11-DEC-2009 15:37:11; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;40689
 10; 3760.3; 11-DEC-2009 15:53:46; Bright; 47.0; 36; 50Alp UMa ; 1.80; 6300;occ; 94; 0;40689
 11; 3995.0; 11-DEC-2009 15:57:40; Bright; 46.5; 32; 77Eps UMa ; 1.76; 11000;occ; 93; 0;40689
 12; 4140.4; 11-DEC-2009 16:00:06; Bright; 56.0; 39; 85Eta UMa ; 1.85; 24000;occ; 112; 0;40689
 13; 4332.3; 11-DEC-2009 16:03:18; Bright; 53.0; 180; 27Gam Boo ; 3.04; 8000;occ; 106; 0;40689
 14; 4712.0; 11-DEC-2009 16:09:37; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;40689
 15; 4930.8; 11-DEC-2009 16:13:16; Bright; 47.0; 138; 47Eps Vir ; 2.83; 4700;occ; 94; 0;40689
 16; 5231.2; 11-DEC-2009 16:18:17; Dark ; 56.0; 121; 29Gam Vir ; 2.74; 7200;occ; 112; 0;40689
 17; 5493.6; 11-DEC-2009 16:22:39; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40689
 18; 5608.8; 11-DEC-2009 16:24:34; Dark ; 54.0; 100; 4Gam Crv ; 2.58; 13100;occ; 108; 0;40689
 19; 5705.1; 11-DEC-2009 16:26:10; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;40689
 20; 5939.6; 11-DEC-2009 16:30:05; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40689
 21; 6033.1; 11-DEC-2009 16:31:38; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;40689
 22; 6250.9; 11-DEC-2009 16:35:16; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40689
 23; 6494.1; 11-DEC-2009 16:39:19; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;40689
 24; 6567.6; 11-DEC-2009 16:40:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40689
 25; 6767.4; 11-DEC-2009 16:43:53; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40689
 26; 6915.2; 11-DEC-2009 16:46:21; Dark ; 48.5; 2; Alp Car ; -0.74; 7000;occ; 97; 0;40689
 27; 7067.3; 11-DEC-2009 16:48:53; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;40689
 28; 7271.9; 11-DEC-2009 16:52:17; Dark ; 55.5; 23; 21Eps CMA ; 1.50; 26000;occ; 111; 0;40689

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1; 1255.9; 11-DEC-2009 16:52:37; Dark ; 56.0; 23; 21Eps CMA ; 1.50; 26000;occ; 112; 40;40690
 2; 1528.4; 11-DEC-2009 16:57:10; Dark ; 46.0; 47; 2Bet CMA ; 1.98; 28000;occ; 92; 0;40690
 3; 1748.1; 11-DEC-2009 17:00:49; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;40690
 4; 1893.3; 11-DEC-2009 17:03:15; Dark ; 50.5; 30; 46Eps Ori ; 1.69; 30000;occ; 101; 0;40690
 5; 2039.4; 11-DEC-2009 17:05:41; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;40690
 6; 2196.5; 11-DEC-2009 17:08:18; Dark ; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;40690
 7; 2354.0; 11-DEC-2009 17:10:55; Bright; 48.0; 176; 23Zet Tau ; 3.02; 22000;occ; 96; 0;40690
 8; 2475.3; 11-DEC-2009 17:12:57; Bright; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;40690
 9; 2591.0; 11-DEC-2009 17:14:52; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40690
 10; 2765.3; 11-DEC-2009 17:17:47; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;40690
 11; 3759.4; 11-DEC-2009 17:34:21; Bright; 44.5; 36; 50Alp UMa ; 1.80; 6300;occ; 89; 0;40690
 12; 3994.9; 11-DEC-2009 17:38:16; Bright; 51.0; 32; 77Eps UMa ; 1.76; 11000;occ; 102; 0;40690
 13; 4140.1; 11-DEC-2009 17:40:41; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;40690
 14; 4332.2; 11-DEC-2009 17:43:54; Bright; 42.0; 180; 27Gam Boo ; 3.04; 8000;occ; 84; 0;40690
 15; 4712.2; 11-DEC-2009 17:50:14; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;40690
 16; 4931.3; 11-DEC-2009 17:53:53; Bright; 68.0; 138; 47Eps Vir ; 2.83; 4700;occ; 136; 0;40690
 17; 5232.4; 11-DEC-2009 17:58:54; Dark ; 56.0; 121; 29Gam Vir ; 2.74; 7200;occ; 112; 0;40690
 18; 5494.3; 11-DEC-2009 18:03:16; Dark ; 44.5; 169; 46Gam Hya ; 2.99; 4700;occ; 89; 0;40690
 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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 2; 1236.3; 11-DEC-2009 18:32:54; Dark ; 58.5; 23; 21Eps CMa ; 1.50; 26000;occ; 117; 0;40691
 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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 2; -539.2; 12-DEC-2009 00:45:42; Dark ; 44.5; 169; 46Gam Hya ; 2.99; 4700;occ; 89; 0;40694
 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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2; -538.5; 12-DEC-2009 02:26:18; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40695
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
10; 881.8; 12-DEC-2009 02:49:59; Dark ; 45.0; 2; Alp Car ; -0.74; 7000;occ; 90; 0;40696
11; 1034.9; 12-DEC-2009 02:52:32; Dark ; 53.5; 117; Pi Pup ; 2.71; 3800;occ; 107; 0;40696
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
20; 2590.4; 12-DEC-2009 03:18:27; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40696
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
2; -2042.2; 12-DEC-2009 03:41:51; Bright; 39.0; 32; 77Eps UMA ; 1.76; 11000;occ; 78; 0;40696
3; -1896.0; 12-DEC-2009 03:44:17; Bright; 56.0; 39; 85Eta UMA ; 1.85; 24000;occ; 112; 0;40696
4; -1703.3; 12-DEC-2009 03:47:30; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;40696
5; -1322.2; 12-DEC-2009 03:53:51; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40696
6; -1101.7; 12-DEC-2009 03:57:31; Bright; 68.0; 138; 47Eps Vir ; 2.83; 4700;occ; 136; 0;40696
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
12; 1.5; 12-DEC-2009 04:15:54; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40697
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
20; 1529.6; 12-DEC-2009 04:41:23; Dark ; 54.5; 47; 2Bet CMA ; 1.98; 28000;occ; 109; 0;40697
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
 28; 7277.8; 12-DEC-2009 14:40:10; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;40702

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 2; 1748.4; 12-DEC-2009 14:48:37; Dark ; 49.5; 7; 19Bet Ori ; 0.10; 14000;occ; 99; 0;40703
 3; 1891.2; 12-DEC-2009 14:51:00; Dark ; 51.5; 30; 46Eps Ori ; 1.69; 30000;occ; 103; 0;40703
 4; 2036.3; 12-DEC-2009 14:53:25; Dark ; 49.0; 27; 24Gam Ori ; 1.64; 26000;occ; 98; 0;40703
 5; 2194.9; 12-DEC-2009 14:56:03; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;40703
 6; 2347.3; 12-DEC-2009 14:58:36; Bright; 47.0; 176; 23Zet Tau ; 3.02; 22000;occ; 94; 0;40703
 7; 2469.1; 12-DEC-2009 15:00:38; Bright; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;40703
 8; 2589.9; 12-DEC-2009 15:02:38; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;40703
 9; 2697.5; 12-DEC-2009 15:04:26; Bright; 48.0; 107; 37The Aur ; 2.65; 11000;occ; 96; 0;40703
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 11; 3753.7; 12-DEC-2009 15:22:02; Bright; 49.5; 36; 50Alp UMa ; 1.80; 6300;occ; 99; 0;40703
 12; 3992.7; 12-DEC-2009 15:26:01; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;40703
 13; 4139.9; 12-DEC-2009 15:28:28; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 0;40703
 14; 4333.4; 12-DEC-2009 15:31:42; Bright; 54.0; 180; 27Gam Boo ; 3.04; 8000;occ; 108; 0;40703
 15; 4716.0; 12-DEC-2009 15:38:04; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;40703
 16; 4938.4; 12-DEC-2009 15:41:47; Bright; 49.5; 138; 47Eps Vir ; 2.83; 4700;occ; 99; 0;40703
 17; 5293.6; 12-DEC-2009 15:47:42; Dark ; 49.0; 15; 67Alp Vir ; 0.98; 28000;occ; 98; 0;40703
 18; 5502.7; 12-DEC-2009 15:51:11; Dark ; 42.0; 169; 46Gam Hya ; 2.99; 4700;occ; 84; 0;40703
 19; 5625.6; 12-DEC-2009 15:53:14; Dark ; 55.0; 100; 4Gam Crv ; 2.58; 13100;occ; 110; 0;40703
 20; 5721.5; 12-DEC-2009 15:54:50; Dark ; 57.0; 171; 2Eps Crv ; 3.00; 4250;occ; 114; 0;40703
 21; 5947.8; 12-DEC-2009 15:58:36; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;40703
 22; 6042.2; 12-DEC-2009 16:00:11; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40703
 23; 6263.1; 12-DEC-2009 16:03:52; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40703
 24; 6503.2; 12-DEC-2009 16:07:52; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40703
 25; 6578.5; 12-DEC-2009 16:09:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40703
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 27; 6921.1; 12-DEC-2009 16:14:50; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;40703
 28; 7076.1; 12-DEC-2009 16:17:25; Dark ; 53.5; 117; Pi Pup ; 2.71; 3800;occ; 107; 0;40703
 29; 7278.4; 12-DEC-2009 16:20:47; Dark ; 41.0; 23; 21Eps CMA ; 1.50; 26000;occ; 82; 0;40703

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 3; 1748.3; 12-DEC-2009 16:29:13; Dark ; 49.5; 7; 19Bet Ori ; 0.10; 14000;occ; 99; 0;40704
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 5; 2036.1; 12-DEC-2009 16:34:01; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;40704
 6; 2194.9; 12-DEC-2009 16:36:39; Dark ; 55.0; 13; 87Alp Tau ; 0.87; 3800;occ; 110; 0;40704
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 9; 2590.0; 12-DEC-2009 16:43:15; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40704
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 11; 2824.1; 12-DEC-2009 16:47:09; Bright; 45.0; 42; 34Bet Aur ; 1.90; 10200;occ; 90; 0;40704
 12; 3753.1; 12-DEC-2009 17:02:38; Bright; 64.0; 36; 50Alp UMa ; 1.80; 6300;occ; 128; 0;40704
 13; 3992.2; 12-DEC-2009 17:06:37; Bright; 47.0; 32; 77Eps UMa ; 1.76; 11000;occ; 94; 0;40704
 14; 4140.1; 12-DEC-2009 17:09:05; Bright; 57.0; 39; 85Eta UMa ; 1.85; 24000;occ; 114; 0;40704
 15; 4333.6; 12-DEC-2009 17:12:18; Bright; 33.5; 180; 27Gam Boo ; 3.04; 8000;occ; 67; 0;40704
 16; 4716.6; 12-DEC-2009 17:18:41; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;40704
 17; 4939.2; 12-DEC-2009 17:22:24; Bright; 49.5; 138; 47Eps Vir ; 2.83; 4700;occ; 99; 0;40704
 18; 5294.4; 12-DEC-2009 17:28:19; Dark ; 50.0; 15; 67Alp Vir ; 0.98; 28000;occ; 100; 0;40704
 19; 5503.5; 12-DEC-2009 17:31:48; Dark ; 48.0; 169; 46Gam Hya ; 2.99; 4700;occ; 96; 0;40704

20; 5626.7; 12-DEC-2009 17:33:51; Dark ; 53.0; 100; 4Gam Crv ; 2.58; 13100;occ; 106; 0;40704
 21; 5722.4; 12-DEC-2009 17:35:27; Dark ; 58.0; 171; 2Eps Crv ; 3.00; 4250;occ; 116; 0;40704
 22; 5948.4; 12-DEC-2009 17:39:13; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;40704
 23; 6042.9; 12-DEC-2009 17:40:47; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40704
 24; 6263.9; 12-DEC-2009 17:44:28; Dark ; 42.0; 113; Mu Vel ; 2.69; 5000;occ; 84; 0;40704
 25; 6503.7; 12-DEC-2009 17:48:28; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40704
 26; 6579.3; 12-DEC-2009 17:49:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40704
 27; 6778.7; 12-DEC-2009 17:53:03; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;40704
 28; 6921.5; 12-DEC-2009 17:55:26; Dark ; 55.5; 2; Alp Car ; -0.74; 7000;occ; 111; 0;40704
 29; 7076.7; 12-DEC-2009 17:58:01; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;40704

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 2; 1530.6; 12-DEC-2009 18:06:11; Dark ; 56.0; 47; 2Bet CMa ; 1.98; 28000;occ; 112; 0;40705
 3; 1748.4; 12-DEC-2009 18:09:49; Dark ; 49.5; 7; 19Bet Ori ; 0.10; 14000;occ; 99; 0;40705
 4; 1891.0; 12-DEC-2009 18:12:12; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40705
 5; 2035.7; 12-DEC-2009 18:14:36; Dark ; 49.5; 27; 24Gam Ori ; 1.64; 26000;occ; 99; 0;40705
 6; 2194.7; 12-DEC-2009 18:17:15; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;40705
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 9; 2589.8; 12-DEC-2009 18:23:50; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40705
 10; 2696.0; 12-DEC-2009 18:25:37; Bright; 47.0; 107; 37The Aur ; 2.65; 11000;occ; 94; 0;40705
 11; 2823.6; 12-DEC-2009 18:27:44; Bright; 45.5; 42; 34Bet Aur ; 1.90; 10200;occ; 91; 0;40705
 12; 3752.6; 12-DEC-2009 18:43:13; Bright; 44.0; 36; 50Alp UMa ; 1.80; 6300;occ; 88; 0;40705
 13; 3992.3; 12-DEC-2009 18:47:13; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;40705
 14; 4139.7; 12-DEC-2009 18:49:40; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;40705
 15; 4333.6; 12-DEC-2009 18:52:54; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;40705
 16; 4716.5; 12-DEC-2009 18:59:17; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;40705
 17; 4939.5; 12-DEC-2009 19:03:00; Bright; 55.0; 138; 47Eps Vir ; 2.83; 4700;occ; 110; 0;40705
 18; 5295.1; 12-DEC-2009 19:08:56; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;40705
 19; 5504.1; 12-DEC-2009 19:12:25; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40705
 20; 5627.9; 12-DEC-2009 19:14:28; Dark ; 52.5; 100; 4Gam Crv ; 2.58; 13100;occ; 105; 0;40705
 21; 5723.8; 12-DEC-2009 19:16:04; Dark ; 55.0; 171; 2Eps Crv ; 3.00; 4250;occ; 110; 0;40705
 22; 5948.9; 12-DEC-2009 19:19:49; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;40705
 23; 6043.6; 12-DEC-2009 19:21:24; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40705
 24; 6264.7; 12-DEC-2009 19:25:05; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40705
 25; 6504.3; 12-DEC-2009 19:29:05; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40705
 26; 6580.0; 12-DEC-2009 19:30:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40705
 27; 6779.3; 12-DEC-2009 19:33:40; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40705
 28; 6921.9; 12-DEC-2009 19:36:03; Dark ; 29.0; 2; Alp Car ; -0.74; 7000;occ; 58; 0;40705

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 2; 1041.2; 12-DEC-2009 19:38:38; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;40706
 3; 1243.2; 12-DEC-2009 19:42:00; Dark ; 57.0; 23; 21Eps CMa ; 1.50; 26000;occ; 114; 0;40706
 4; 1530.7; 12-DEC-2009 19:46:47; Dark ; 55.0; 47; 2Bet CMa ; 1.98; 28000;occ; 110; 0;40706
 5; 1748.3; 12-DEC-2009 19:50:25; Dark ; 49.0; 7; 19Bet Ori ; 0.10; 14000;occ; 98; 0;40706
 6; 1890.9; 12-DEC-2009 19:52:47; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;40706
 7; 2035.6; 12-DEC-2009 19:55:12; Dark ; 48.0; 27; 24Gam Ori ; 1.64; 26000;occ; 96; 0;40706
 8; 2194.5; 12-DEC-2009 19:57:51; Dark ; 55.0; 13; 87Alp Tau ; 0.87; 3800;occ; 110; 0;40706
 9; 2345.5; 12-DEC-2009 20:00:22; Bright; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;40706
 10; 2467.6; 12-DEC-2009 20:02:24; Bright; 45.0; 28; 12Bet Tau ; 1.65; 15200;occ; 90; 0;40706
 11; 2589.7; 12-DEC-2009 20:04:26; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40706
 12; 2695.2; 12-DEC-2009 20:06:12; Bright; 48.0; 107; 37The Aur ; 2.65; 11000;occ; 96; 0;40706
 13; 2822.9; 12-DEC-2009 20:08:19; Bright; 46.5; 42; 34Bet Aur ; 1.90; 10200;occ; 93; 0;40706
 14; 3752.1; 12-DEC-2009 20:23:49; Bright; 48.5; 36; 50Alp UMa ; 1.80; 6300;occ; 97; 0;40706
 15; 3992.0; 12-DEC-2009 20:27:49; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;40706
 16; 4139.9; 12-DEC-2009 20:30:16; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;40706
 17; 4333.5; 12-DEC-2009 20:33:30; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40706
 18; 4716.6; 12-DEC-2009 20:39:53; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;40706
 19; 4940.2; 12-DEC-2009 20:43:37; Bright; 53.5; 138; 47Eps Vir ; 2.83; 4700;occ; 107; 0;40706

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 3; -407.0; 12-DEC-2009 20:55:05; Dark ; 54.0; 100; 4Gam Crv ; 2.58; 13100;occ; 108; 0;40706
 4; -311.0; 12-DEC-2009 20:56:42; Dark ; 52.0; 171; 2Eps Crv ; 3.00; 4250;occ; 104; 0;40706
 5; -86.5; 12-DEC-2009 21:00:26; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40706
 6; 8.2; 12-DEC-2009 21:02:01; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40707
 7; 229.7; 12-DEC-2009 21:05:42; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40707
 8; 468.7; 12-DEC-2009 21:09:41; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;40707

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

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 3; -405.7; 12-DEC-2009 22:35:43; Dark ; 53.5; 100; 4Gam Crv ; 2.58; 13100;occ; 107; 0;40707
 4; -309.6; 12-DEC-2009 22:37:19; Dark ; 63.0; 171; 2Eps Crv ; 3.00; 4250;occ; 126; 0;40707
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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
 9; 545.6; 12-DEC-2009 22:51:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40708
 10; 744.7; 12-DEC-2009 22:54:53; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;40708
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 12; 1042.3; 12-DEC-2009 22:59:51; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;40708
 13; 1244.3; 12-DEC-2009 23:03:13; Dark ; 55.0; 23; 21Eps CMA ; 1.50; 26000;occ; 110; 0;40708
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 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
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 26; 7308.5; 17-DEC-2009 13:43:13; Dark ; 53.5; 23; 21Eps CMa ; 1.50; 26000;occ; 107; 0;40773
 27; 7414.8; 17-DEC-2009 13:44:59; Dark ; 49.5; 179; 240mi2CMa ; 3.03; 24000;occ; 99; 0;40773

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 21; 6326.1; 17-DEC-2009 15:07:26; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40774

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 23; 6632.0; 17-DEC-2009 15:12:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40774
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 25; 6957.5; 17-DEC-2009 15:17:58; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;40774
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 27; 7309.0; 17-DEC-2009 15:23:49; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;40774
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 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
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 7; 2316.0; 17-DEC-2009 15:41:12; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;40775
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 11; 3704.2; 17-DEC-2009 16:04:20; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;40775
 12; 3977.4; 17-DEC-2009 16:08:54; Bright; 62.0; 32; 77Eps UMa ; 1.76; 11000;occ; 124; 0;40775
 13; 4136.1; 17-DEC-2009 16:11:32; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;40775
 14; 4340.5; 17-DEC-2009 16:14:57; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40775
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 19; 5712.9; 17-DEC-2009 16:37:49; Dark ; 58.0; 106; 9Bet Crv ; 2.65; 5600;occ; 116; 0;40775
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 26; 6958.2; 17-DEC-2009 16:58:34; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;40775
 27; 7117.5; 17-DEC-2009 17:01:14; Dark ; 50.5; 117; Pi Pup ; 2.71; 3800;occ; 101; 0;40775

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 9; 2439.2; 17-DEC-2009 17:23:51; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;40776
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 11; 2781.4; 17-DEC-2009 17:29:34; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;40776
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 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
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 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
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4; -1296.1; 18-DEC-2009 02:25:12; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;40781
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19; 1751.3; 18-DEC-2009 03:15:59; Dark ; 47.0; 7; 19Bet Ori ; 0.10; 14000;occ; 94; 0;40782
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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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 12; 2773.4; 18-DEC-2009 18:38:25; Bright; 41.5; 42; 34Bet Aur ; 1.90; 10200;occ; 83; 0;40791
 13; 3703.5; 18-DEC-2009 18:53:55; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40791
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 21; 5731.7; 18-DEC-2009 19:27:43; Dark ; 53.0; 106; 9Bet Crv ; 2.65; 5600;occ; 106; 0;40791
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 23; 6102.9; 18-DEC-2009 19:33:54; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40791
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 25; 6557.4; 18-DEC-2009 19:41:29; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40791
 26; 6644.4; 18-DEC-2009 19:42:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40791
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 6; 308.0; 19-DEC-2009 00:39:43; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40795
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 19; 2308.7; 19-DEC-2009 01:13:04; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;40795
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 21; 2639.5; 19-DEC-2009 01:18:34; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;40795
 22; 2727.1; 19-DEC-2009 01:20:02; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;40795
 23; 3703.2; 19-DEC-2009 01:36:18; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40795
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 25; 4134.4; 19-DEC-2009 01:43:29; Bright; 53.5; 39; 85Eta UMa ; 1.85; 24000;occ; 107; 0;40795
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 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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 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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 4; -1693.9; 19-DEC-2009 03:27:33; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;40796
 5; -1497.1; 19-DEC-2009 03:30:50; Bright; 55.0; 83; ; 2.38; 11000;occ; 110; 0;40796
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 13; 524.4; 19-DEC-2009 04:04:31; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40797
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 5; -1497.1; 19-DEC-2009 05:11:26; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;40797
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 22; 1881.5; 19-DEC-2009 06:07:44; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;40798
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 5; 1565.8; 22-DEC-2009 17:52:25; Dark ; 54.0; 1; 9Alp CMA ; -1.44; 11000;occ; 108; 0;40848
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 9; 2293.3; 22-DEC-2009 18:04:33; Bright; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;40848
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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
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 22; 6041.7; 22-DEC-2009 19:07:01; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;40848
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 24; 6393.1; 22-DEC-2009 19:12:53; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40848
 25; 6591.7; 22-DEC-2009 19:16:11; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40848
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 3; 1117.9; 22-DEC-2009 19:25:34; Dark ; 49.0; 117; Pi Pup ; 2.71; 3800;occ; 98; 0;40849
 4; 1300.2; 22-DEC-2009 19:28:36; Dark ; 50.0; 23; 21Eps CMa ; 1.50; 26000;occ; 100; 0;40849
 5; 1401.0; 22-DEC-2009 19:30:17; Dark ; 47.5; 179; 240mi2CMa ; 3.03; 24000;occ; 95; 0;40849
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 21; 5683.8; 22-DEC-2009 20:41:39; Dark ; 43.5; 54; 5The Cen ; 2.06; 4500;occ; 87; 0;40849
 22; 5804.6; 22-DEC-2009 20:43:40; Dark ; 55.0; 106; 9Bet Crv ; 2.65; 5600;occ; 110; 0;40849
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 28; 6877.8; 22-DEC-2009 21:01:33; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40849
 29; 7008.9; 22-DEC-2009 21:03:44; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;40849

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 7; 558.1; 23-DEC-2009 01:58:37; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 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
 14; 1566.4; 23-DEC-2009 02:15:26; Dark ; 56.0; 1; 9Alp CMa ; -1.44; 11000;occ; 112; 0;40853
 15; 1756.0; 23-DEC-2009 02:18:35; Dark ; 47.0; 7; 19Bet Ori ; 0.10; 14000;occ; 94; 0;40853
 16; 1878.8; 23-DEC-2009 02:20:38; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;40853
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 19; 2416.8; 23-DEC-2009 02:29:36; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;40853
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 21; 2712.1; 23-DEC-2009 02:34:31; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;40853

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14; 844.4; 23-DEC-2009 03:43:59; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;40854
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26; 2712.0; 23-DEC-2009 04:15:07; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;40854
27; 3700.8; 23-DEC-2009 04:31:36; Bright; 10.0; 60; 7Bet UMi ; 2.08; 3950;occ; 20; 0;40854
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3;-1907.3; 23-DEC-2009 04:38:44; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;40854
4;-1689.4; 23-DEC-2009 04:42:22; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;40854
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17; 1120.6; 23-DEC-2009 05:29:12; Dark ; 50.0; 117; Pi Pup ; 2.71; 3800;occ; 100; 0;40855
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19; 1402.4; 23-DEC-2009 05:33:54; Dark ; 51.0; 179; 240mi2CMa ; 3.03; 24000;occ; 102; 0;40855
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23; 2048.0; 23-DEC-2009 05:44:39; Dark ; 60.0; 14; 58Alp Ori ; 0.87; 3000;occ; 120; 0;40855
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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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13; 4767.3; 23-DEC-2009 08:10:34; Bright; 66.0; 111; 8Eta Boo ; 2.68; 6000;occ; 132; 0;40856
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 24; 4127.1; 24-DEC-2009 02:26:29; Bright; 53.5; 39; 85Eta UMA ; 1.85; 24000;occ; 107; 0;40867

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 13; 4773.9; 24-DEC-2009 11:00:16; Bright; 45.5; 111; 8Eta Boo ; 2.68; 6000;occ; 91; 0;40872

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23; 6795.1; 24-DEC-2009 11:33:57; Dark ; 58.0; 65; Lam Vel ; 2.20; 4400;occ; 116; 0;40872
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26; 7164.7; 24-DEC-2009 11:40:07; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;40872
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13; 4552.8; 24-DEC-2009 12:37:11; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;40873
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28; 7344.4; 24-DEC-2009 13:23:42; Dark ; 50.0; 23; 21Eps CMa ; 1.50; 26000;occ; 100; 0;40873
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11; 4126.2; 24-DEC-2009 14:10:40; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;40874
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13; 4553.1; 24-DEC-2009 14:17:47; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;40874
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16; 5433.1; 24-DEC-2009 14:32:27; Dark ; 59.5; 15; 67Alp Vir ; 0.98; 28000;occ; 119; 0;40874
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 23; 6711.7; 24-DEC-2009 14:53:46; Dark ; 50.5; 41; Eps Car ; 1.86; 4100;occ; 101; 0;40874
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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
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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
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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
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3;	1319.0;	26-DEC-2009	19:03:03;	Dark	;	48.0;	23;	21Eps CMa	;	1.50;	26000;	occ;	96;	0;	40906
4;	1415.9;	26-DEC-2009	19:04:40;	Dark	;	46.5;	179;	240mi2CMa	;	3.03;	24000;	occ;	93;	0;	40906
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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
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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
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20;	5467.1;	26-DEC-2009	20:12:11;	Dark	;	59.0;	15;	67Alp Vir	;	0.98;	28000;	occ;	118;	0;	40906
21;	5717.3;	26-DEC-2009	20:16:21;	Dark	;	44.5;	54;	5The Cen	;	2.06;	4500;	occ;	89;	0;	40906
22;	5843.9;	26-DEC-2009	20:18:28;	Dark	;	46.0;	123;	Iot Cen	;	2.75;	10200;	occ;	92;	0;	40906
23;	6084.1;	26-DEC-2009	20:22:28;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;	occ;	89;	0;	40906
24;	6178.3;	26-DEC-2009	20:24:02;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	40906
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26;	6625.1;	26-DEC-2009	20:31:29;	Dark	;	42.0;	71;	Iot Car	;	2.25;	7700;	occ;	84;	0;	40906
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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5;	-1246.0;	27-DEC-2009	02:43:17;	Bright	;	48.0;	111;	8Eta Boo	;	2.68;	6000;	occ;	96;	0;	40910
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 3; 1880.1; 30-DEC-2009 12:04:08; Dark ; 43.0; 30; 46Eps Ori ; 1.69; 30000;occ; 86; 0;40959
 4; 2034.2; 30-DEC-2009 12:06:42; Dark ; 49.0; 14; 58Alp Ori ; 0.87; 3000;occ; 98; 0;40959
 5; 2237.0; 30-DEC-2009 12:10:05; Dark ; 51.0; 44; 24Gam Gem ; 1.93; 11000;occ; 102; 0;40959
 6; 2334.3; 30-DEC-2009 12:11:42; Bright; 61.0; 151; 13Mu Gem ; 2.89; 3000;occ; 122; 0;40959
 7; 2416.3; 30-DEC-2009 12:13:04; Bright; 47.0; 170; 27Eps Gem ; 3.00; 9700;occ; 94; 0;40959
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11; 3977.5; 30-DEC-2009 12:39:06; Bright; 43.5; 55; 79Zet UMa ; 2.06; 10200;occ; 87; 0;40959
12; 4113.2; 30-DEC-2009 12:41:21; Bright; 65.0; 39; 85Eta UMa ; 1.85; 24000;occ; 130; 0;40959
13; 4352.1; 30-DEC-2009 12:45:20; Bright; 61.0; 180; 27Gam Boo ; 3.04; 8000;occ; 122; 0;40959
14; 4569.8; 30-DEC-2009 12:48:58; Bright; 60.0; 83; ; 2.38; 11000;occ; 120; 0;40959
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18; 5751.8; 30-DEC-2009 13:08:40; Dark ; 47.5; 54; 5The Cen ; 2.06; 4500;occ; 95; 0;40959
19; 5919.7; 30-DEC-2009 13:11:28; Dark ; 42.5; 95; Zet Cen ; 2.55; 26000;occ; 85; 0;40959
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21; 6226.4; 30-DEC-2009 13:16:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40959
22; 6493.4; 30-DEC-2009 13:21:02; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40959
23; 6655.0; 30-DEC-2009 13:23:43; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40959
24; 6752.2; 30-DEC-2009 13:25:20; Dark ; 41.0; 41; Eps Car ; 1.86; 4100;occ; 82; 0;40959
25; 6941.2; 30-DEC-2009 13:28:29; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;40959
26; 7073.0; 30-DEC-2009 13:30:41; Dark ; 47.5; 70; Zet Pup ; 2.25; 39000;occ; 95; 0;40959
27; 7200.4; 30-DEC-2009 13:32:49; Dark ; 44.0; 117; Pi Pup ; 2.71; 3800;occ; 88; 0;40959
28; 7370.6; 30-DEC-2009 13:35:39; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;40959
29; 7464.6; 30-DEC-2009 13:37:13; Dark ; 46.5; 179; 240mi2CMA ; 3.03; 24000;occ; 93; 0;40959

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2;	1729.2;	30-DEC-2009	13:42:13;	Dark	;	44.0;	56;	53Kap Ori	;	2.07;	30000;occ;	88;	0;	40960
3;	1880.3;	30-DEC-2009	13:44:44;	Dark	;	43.0;	30;	46Eps Ori	;	1.69;	30000;occ;	86;	0;	40960
4;	2034.2;	30-DEC-2009	13:47:18;	Dark	;	49.5;	14;	58Alp Ori	;	0.87;	3000;occ;	99;	0;	40960
5;	2236.9;	30-DEC-2009	13:50:41;	Dark	;	56.0;	44;	24Gam Gem	;	1.93;	11000;occ;	112;	0;	40960
6;	2334.1;	30-DEC-2009	13:52:18;	Bright;	;	47.0;	151;	13Mu Gem	;	2.89;	3000;occ;	94;	0;	40960
7;	2415.8;	30-DEC-2009	13:53:40;	Bright;	;	45.0;	170;	27Eps Gem	;	3.00;	9700;occ;	90;	0;	40960
8;	2572.7;	30-DEC-2009	13:56:17;	Bright;	;	39.0;	107;	37The Aur	;	2.65;	11000;occ;	78;	0;	40960
9;	2694.7;	30-DEC-2009	13:58:19;	Bright;	;	45.0;	6;	13Alp Aur	;	0.08;	3400;occ;	90;	0;	40960
10;	3693.1;	30-DEC-2009	14:14:57;	Bright;	;	40.0;	60;	7Bet UMi	;	2.08;	3950;occ;	80;	0;	40960
11;	3920.0;	30-DEC-2009	14:18:44;	Bright;	;	49.0;	32;	77Eps UMa	;	1.76;	11000;occ;	98;	0;	40960
12;	4113.0;	30-DEC-2009	14:21:57;	Bright;	;	65.0;	39;	85Eta UMa	;	1.85;	24000;occ;	130;	0;	40960
13;	4352.2;	30-DEC-2009	14:25:56;	Bright;	;	61.0;	180;	27Gam Boo	;	3.04;	8000;occ;	122;	0;	40960
14;	4570.2;	30-DEC-2009	14:29:34;	Bright;	;	41.5;	83;		;	2.38;	11000;occ;	83;	0;	40960
15;	4762.3;	30-DEC-2009	14:32:46;	Bright;	;	52.0;	3;	16Alp Boo	;	-0.05;	4250;occ;	104;	0;	40960
16;	5185.4;	30-DEC-2009	14:39:49;	Bright;	;	52.0;	104;	27Bet Lib	;	2.61;	13100;occ;	104;	0;	40960
17;	5341.8;	30-DEC-2009	14:42:26;	Dark	;	41.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	83;	0;	40960
18;	5752.8;	30-DEC-2009	14:49:17;	Dark	;	54.0;	54;	5The Cen	;	2.06;	4500;occ;	108;	0;	40960
19;	5920.2;	30-DEC-2009	14:52:04;	Dark	;	40.5;	95;	Zet Cen	;	2.55;	26000;occ;	81;	0;	40960
20;	6126.2;	30-DEC-2009	14:55:30;	Dark	;	43.0;	64;	Gam Cen	;	2.20;	10600;occ;	86;	0;	40960
21;	6227.3;	30-DEC-2009	14:57:11;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	40960
22;	6494.5;	30-DEC-2009	15:01:38;	Dark	;	47.5;	113;	Mu Vel	;	2.69;	5000;occ;	95;	0;	40960
23;	6655.6;	30-DEC-2009	15:04:20;	Dark	;	41.0;	71;	Iot Car	;	2.25;	7700;occ;	82;	0;	40960
24;	6752.5;	30-DEC-2009	15:05:56;	Dark	;	53.0;	41;	Eps Car	;	1.86;	4100;occ;	106;	0;	40960
25;	6941.8;	30-DEC-2009	15:09:06;	Dark	;	44.0;	34;	Gam2Vel	;	1.79;	23000;occ;	88;	0;	40960
26;	7073.7;	30-DEC-2009	15:11:18;	Dark	;	47.0;	70;	Zet Pup	;	2.25;	39000;occ;	94;	0;	40960
27;	7200.9;	30-DEC-2009	15:13:25;	Dark	;	49.5;	117;	Pi Pup	;	2.71;	3800;occ;	99;	0;	40960
28;	7371.2;	30-DEC-2009	15:16:15;	Dark	;	45.5;	23;	21Eps CMA	;	1.50;	26000;occ;	91;	0;	40960

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2;	1428.8;	30-DEC-2009	15:17:49;	Dark	;	47.0;	179;	240mi2CMA	;	3.03;	24000;occ;	94;	0;	40961
3;	1579.2;	30-DEC-2009	15:20:19;	Dark	;	49.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	98;	0;	40961
4;	1729.3;	30-DEC-2009	15:22:49;	Dark	;	43.0;	56;	53Kap Ori	;	2.07;	30000;occ;	86;	0;	40961
5;	1880.4;	30-DEC-2009	15:25:20;	Dark	;	43.0;	30;	46Eps Ori	;	1.69;	30000;occ;	86;	0;	40961
6;	2034.0;	30-DEC-2009	15:27:54;	Dark	;	52.0;	14;	58Alp Ori	;	0.87;	3000;occ;	104;	0;	40961
7;	2236.4;	30-DEC-2009	15:31:16;	Dark	;	52.5;	44;	24Gam Gem	;	1.93;	11000;occ;	105;	0;	40961
8;	2333.9;	30-DEC-2009	15:32:54;	Bright;	;	47.0;	151;	13Mu Gem	;	2.89;	3000;occ;	94;	0;	40961
9;	2415.5;	30-DEC-2009	15:34:15;	Bright;	;	47.0;	170;	27Eps Gem	;	3.00;	9700;occ;	94;	0;	40961
10;	2572.4;	30-DEC-2009	15:36:52;	Bright;	;	39.0;	107;	37The Aur	;	2.65;	11000;occ;	78;	0;	40961
11;	2694.6;	30-DEC-2009	15:38:54;	Bright;	;	46.0;	6;	13Alp Aur	;	0.08;	3400;occ;	92;	0;	40961
12;	3693.3;	30-DEC-2009	15:55:33;	Bright;	;	37.5;	60;	7Bet UMi	;	2.08;	3950;occ;	75;	0;	40961
13;	3919.6;	30-DEC-2009	15:59:20;	Bright;	;	51.0;	32;	77Eps UMa	;	1.76;	11000;occ;	102;	0;	40961
14;	4113.2;	30-DEC-2009	16:02:33;	Bright;	;	41.5;	39;	85Eta UMa	;	1.85;	24000;occ;	83;	0;	40961
15;	4352.4;	30-DEC-2009	16:06:32;	Bright;	;	43.0;	180;	27Gam Boo	;	3.04;	8000;occ;	86;	0;	40961
16;	4570.5;	30-DEC-2009	16:10:10;	Bright;	;	44.0;	83;		;	2.38;	11000;occ;	88;	0;	40961
17;	4762.9;	30-DEC-2009	16:13:23;	Bright;	;	51.0;	3;	16Alp Boo	;	-0.05;	4250;occ;	102;	0;	40961
18;	5186.0;	30-DEC-2009	16:20:26;	Bright;	;	52.0;	104;	27Bet Lib	;	2.61;	13100;occ;	104;	0;	40961
19;	5342.5;	30-DEC-2009	16:23:02;	Dark	;	44.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	88;	0;	40961
20;	5753.3;	30-DEC-2009	16:29:53;	Dark	;	52.5;	54;	5The Cen	;	2.06;	4500;occ;	105;	0;	40961
21;	5921.0;	30-DEC-2009	16:32:41;	Dark	;	38.5;	95;	Zet Cen	;	2.55;	26000;occ;	77;	0;	40961
22;	6127.2;	30-DEC-2009	16:36:07;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;occ;	89;	0;	40961
23;	6228.3;	30-DEC-2009	16:37:48;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	40961
24;	6495.5;	30-DEC-2009	16:42:15;	Dark	;	48.0;	113;	Mu Vel	;	2.69;	5000;occ;	96;	0;	40961
25;	6656.4;	30-DEC-2009	16:44:56;	Dark	;	42.5;	71;	Iot Car	;	2.25;	7700;occ;	85;	0;	40961
26;	6753.1;	30-DEC-2009	16:46:33;	Dark	;	51.0;	41;	Eps Car	;	1.86;	4100;occ;	102;	0;	40961
27;	6942.4;	30-DEC-2009	16:49:42;	Dark	;	47.5;	34;	Gam2Vel	;	1.79;	23000;occ;	95;	0;	40961
28;	7074.3;	30-DEC-2009	16:51:54;	Dark	;	49.0;	70;	Zet Pup	;	2.25;	39000;occ;	98;	0;	40961
29;	7201.6;	30-DEC-2009	16:54:02;	Dark	;	15.0;	117;	Pi Pup	;	2.71;	3800;occ;	30;	0;	40961

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2;	1165.6;	30-DEC-2009	16:54:02;	Dark	;	49.0;	117;	Pi Pup	;	2.71;	3800;occ;	98;	0;	40962
3;	1335.5;	30-DEC-2009	16:56:51;	Dark	;	47.5;	23;	21Eps CMA	;	1.50;	26000;occ;	95;	0;	40962
4;	1429.1;	30-DEC-2009	16:58:25;	Dark	;	47.5;	179;	240mi2CMA	;	3.03;	24000;occ;	95;	0;	40962
5;	1579.4;	30-DEC-2009	17:00:55;	Dark	;	49.5;	1;	9Alp CMA	;	-1.44;	11000;occ;	99;	0;	40962
6;	1729.4;	30-DEC-2009	17:03:25;	Dark	;	42.5;	56;	53Kap Ori	;	2.07;	30000;occ;	85;	0;	40962
7;	1880.4;	30-DEC-2009	17:05:56;	Dark	;	42.5;	30;	46Eps Ori	;	1.69;	30000;occ;	85;	0;	40962
8;	2034.1;	30-DEC-2009	17:08:30;	Dark	;	55.5;	14;	58Alp Ori	;	0.87;	3000;occ;	111;	0;	40962

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 22; 5754.1; 30-DEC-2009 18:10:30; Dark ; 52.0; 54; 5The Cen ; 2.06; 4500;occ; 104; 0;40962
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 26; 6496.5; 30-DEC-2009 18:22:52; Dark ; 51.5; 113; Mu Vel ; 2.69; 5000;occ; 103; 0;40962
 27; 6656.9; 30-DEC-2009 18:25:33; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40962
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 8; 2033.9; 30-DEC-2009 18:49:06; Dark ; 54.5; 14; 58Alp Ori ; 0.87; 3000;occ; 109; 0;40963
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 27; 6657.4; 30-DEC-2009 20:06:09; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40963
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