

# GOMOS Daily Report 17-DEC-2009

## Level 0 and Level 1 products

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## [Level 2 products](#)

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	19DEC2009 04:36:21
Data source version	GOMOS/5.00L04
Start time of products	17DEC2009 00:01:55
Stop time of products	17DEC2009 23:56:59
Store outputs in DB	Yes
Nb of level 1b prods	132
Nb of prods with errors	1

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

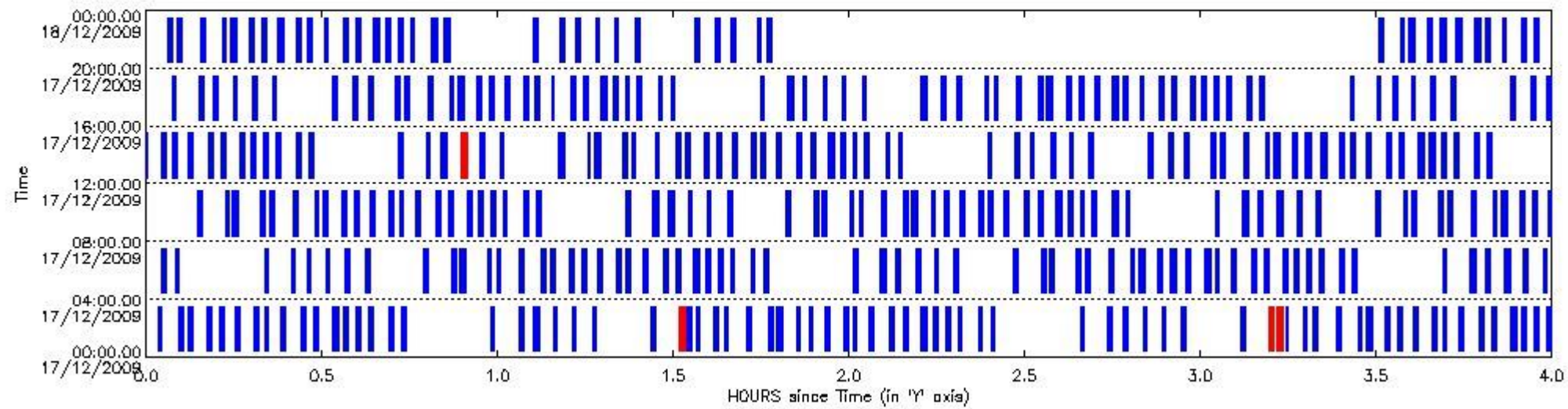
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
17-DEC-2009 01:31:05	7DelCrv	163	40766
17-DEC-2009 03:11:42	7DelCrv	163	40767
17-DEC-2009 03:13:00	9BetCrv	106	40767
17-DEC-2009 12:53:51	27GamBoo	180	40773

### 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_1PNPDE20091217_000155_000000462085_00131_40766_8742.N1	17-DEC-2009 00:01:55	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	40766	No
2	GOM_TRA_1PNPDE20091217_000538_000000422085_00131_40766_8743.N1	17-DEC-2009 00:05:38	Dark	41.500	71	lot Car	2.2460	7700.0	83	40766	No
3	GOM_TRA_1PNPDE20091217_001019_000000492085_00131_40766_8744.N1	17-DEC-2009 00:10:19	Dark	48.500	34	Gam2Vel	1.7930	23000.	97	40766	No
4	GOM_TRA_1PNPDE20091217_001228_000000502085_00131_40766_8745.N1	17-DEC-2009 00:12:28	Dark	50.000	70	Zet Pup	2.2460	39000.	100	40766	No
5	GOM_TRA_1PNPDE20091217_001509_000000532085_00131_40766_8746.N1	17-DEC-2009 00:15:09	Dark	52.500	117	Pi Pup	2.7060	3800.0	105	40766	No
6	GOM_TRA_1PNPDE20091217_001822_000000532085_00131_40766_8747.N1	17-DEC-2009 00:18:22	Straylight	53.000	23	21Eps CMa	1.5020	26000.	106	40766	No
7	GOM_TRA_1PNPDE20091217_002009_000000312085_00131_40766_8748.N1	17-DEC-2009 00:20:09	Straylight	31.000	179	24Omi2CMA	3.0320	24000.	62	40766	No

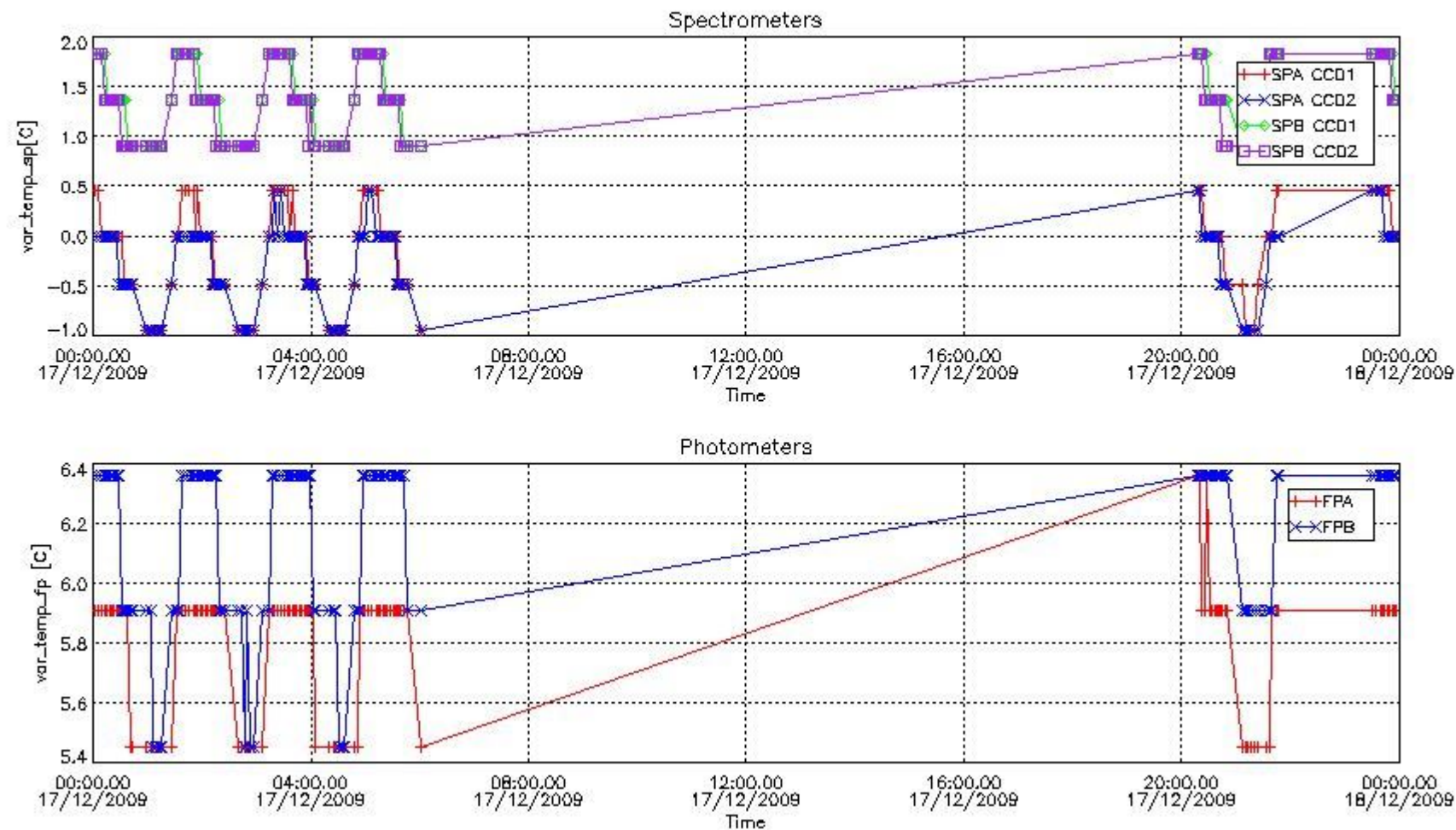
8	GOM_TRA_1PNPDE20091217_002252_000000502085_00131_40766_8749.N1	17-DEC-2009 00:22:52	Straylight	50.000	47	2Bet CMa	1.9760	28000.	100	40766	No
9	GOM_TRA_1PNPDE20091217_002623_000000482085_00131_40766_8750.N1	17-DEC-2009 00:26:23	Straylight	47.500	7	19Bet Ori	0.10000	14000.	95	40766	No
10	GOM_TRA_1PNPDE20091217_002837_000000462085_00131_40766_8751.N1	17-DEC-2009 00:28:37	Straylight	46.000	30	46Eps Ori	1.6940	30000.	92	40766	No
11	GOM_TRA_1PNPDE20091217_003143_000000642085_00131_40766_8752.N1	17-DEC-2009 00:31:43	Tw_i_and_stray	63.500	14	58Alp Ori	0.87000	3000.0	127	40766	No
12	GOM_TRA_1PNPDE20091217_003342_000000512085_00131_40766_8753.N1	17-DEC-2009 00:33:42	Tw_i_and_stray	51.000	13	87Alp Tau	0.86700	3800.0	102	40766	No
13	GOM_TRA_1PNPDE20091217_003552_000000442085_00131_40766_8754.N1	17-DEC-2009 00:35:52	Bright	43.500	176	23Zet Tau	3.0200	22000.	87	40766	No
14	GOM_TRA_1PNPDE20091217_003756_000000432085_00131_40766_8755.N1	17-DEC-2009 00:37:56	Bright	42.500	28	12Bet Tau	1.6500	15200.	85	40766	No
15	GOM_TRA_1PNPDE20091217_004129_000000452085_00131_40766_8756.N1	17-DEC-2009 00:41:29	Bright	45.000	107	37The Aur	2.6490	11000.	90	40766	No
16	GOM_TRA_1PNPDE20091217_004340_000000442085_00131_40766_8757.N1	17-DEC-2009 00:43:40	Bright	43.500	42	34Bet Aur	1.9000	10200.	87	40766	No
17	GOM_TRA_1PNPDE20091217_005857_000000332085_00131_40766_8758.N1	17-DEC-2009 00:58:57	Bright	32.500	60	7Bet UMi	2.0810	3950.0	65	40766	No
18	GOM_TRA_1PNPDE20091217_010332_000000622085_00131_40766_8759.N1	17-DEC-2009 01:03:32	Bright	62.000	32	77Eps UMa	1.7630	11000.	124	40766	No
19	GOM_TRA_1PNPDE20091217_010610_000000582085_00131_40766_8760.N1	17-DEC-2009 01:06:10	Bright	58.000	39	85Eta UMa	1.8540	24000.	116	40766	No
20	GOM_TRA_1PNPDE20091217_010932_000000352085_00131_40766_8761.N1	17-DEC-2009 01:09:32	Bright	34.500	180	27Gam Boo	3.0400	8000.0	69	40766	No
21	GOM_TRA_1PNPDE20091217_011246_000000362085_00131_40766_8762.N1	17-DEC-2009 01:12:46	Bright	35.500	83		2.3780	11000.	71	40766	No
22	GOM_TRA_1PNPDE20091217_011608_000000412085_00131_40766_8763.N1	17-DEC-2009 01:16:08	Bright	41.000	111	8Eta Boo	2.6800	6000.0	82	40766	No
23	GOM_TRA_1PNPDE20091217_012610_000000552085_00131_40766_8754.N1	17-DEC-2009 01:26:10	Tw_i_and_stray	54.500	15	67Alp Vir	0.97600	28000.	109	40766	No
24	GOM_TRA_1PNPDE20091217_013216_000000522085_00131_40766_8755.N1	17-DEC-2009 01:32:16	Dark	51.500	106	9Bet Crv	2.6480	5600.0	103	40766	No
25	GOM_TRA_1PNPDE20091217_013355_000000252085_00131_40766_8756.N1	17-DEC-2009 01:33:55	Dark	25.000	171	2Eps Crv	3.0010	4250.0	50	40766	No
26	GOM_TRA_1PNPDE20091217_013659_000000412085_00131_40766_8757.N1	17-DEC-2009 01:36:59	Dark	41.000	64	Gam Cen	2.2000	10600.	82	40766	No
27	GOM_TRA_1PNPDE20091217_013838_000000432085_00132_40767_8758.N1	17-DEC-2009 01:38:38	Dark	42.500	99	Del Cen	2.5750	26000.	85	40767	No
28	GOM_TRA_1PNPDE20091217_014232_000000472085_00132_40767_8759.N1	17-DEC-2009 01:42:32	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	40767	No
29	GOM_TRA_1PNPDE20091217_014615_000000422085_00132_40767_8760.N1	17-DEC-2009 01:46:15	Dark	41.500	71	lot Car	2.2460	7700.0	83	40767	No
30	GOM_TRA_1PNPDE20091217_015056_000000452085_00132_40767_8761.N1	17-DEC-2009 01:50:56	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	40767	No
31	GOM_TRA_1PNPDE20091217_015304_000000462085_00132_40767_8762.N1	17-DEC-2009 01:53:04	Dark	46.000	70	Zet Pup	2.2460	39000.	92	40767	No
32	GOM_TRA_1PNPDE20091217_015545_000000532085_00132_40767_8763.N1	17-DEC-2009 01:55:45	Dark	52.500	117	Pi Pup	2.7060	3800.0	105	40767	No
33	GOM_TRA_1PNPDE20091217_015858_000000522085_00132_40767_8764.N1	17-DEC-2009 01:58:58	Straylight	52.000	23	21Eps CMa	1.5020	26000.	104	40767	No
34	GOM_TRA_1PNPDE20091217_020045_000000312085_00132_40767_8765.N1	17-DEC-2009 02:00:45	Straylight	31.000	179	24Omi2CMa	3.0320	24000.	62	40767	No
35	GOM_TRA_1PNPDE20091217_020328_000000512085_00132_40767_8766.N1	17-DEC-2009 02:03:28	Straylight	51.000	47	2Bet CMa	1.9760	28000.	102	40767	No
36	GOM_TRA_1PNPDE20091217_020659_000000482085_00132_40767_8767.N1	17-DEC-2009 02:06:59	Straylight	47.500	7	19Bet Ori	0.10000	14000.	95	40767	No
37	GOM_TRA_1PNPDE20091217_020912_000000462085_00132_40767_8768.N1	17-DEC-2009 02:09:12	Straylight	45.500	30	46Eps Ori	1.6940	30000.	91	40767	No
38	GOM_TRA_1PNPDE20091217_021218_000000602085_00132_40767_8769.N1	17-DEC-2009 02:12:18	Tw_i_and_stray	60.000	14	58Alp Ori	0.87000	3000.0	120	40767	No
39	GOM_TRA_1PNPDE20091217_021418_000000482085_00132_40767_8770.N1	17-DEC-2009 02:14:18	Tw_i_and_stray	48.000	13	87Alp Tau	0.86700	3800.0	96	40767	No
40	GOM_TRA_1PNPDE20091217_021628_000000442085_00132_40767_8771.N1	17-DEC-2009 02:16:28	Bright	44.000	176	23Zet Tau	3.0200	22000.	88	40767	No
41	GOM_TRA_1PNPDE20091217_021831_000000452085_00132_40767_8772.N1	17-DEC-2009 02:18:31	Bright	44.500	28	12Bet Tau	1.6500	15200.	89	40767	No
42	GOM_TRA_1PNPDE20091217_022204_000000442085_00132_40767_8773.N1	17-DEC-2009 02:22:04	Bright	43.500	107	37The Aur	2.6490	11000.	87	40767	No
43	GOM_TRA_1PNPDE20091217_022415_000000422085_00132_40767_8774.N1	17-DEC-2009 02:24:15	Bright	41.500	42	34Bet Aur	1.9000	10200.	83	40767	No
44	GOM_TRA_1PNPDE20091217_023933_000000382085_00132_40767_8775.N1	17-DEC-2009 02:39:33	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	40767	No
45	GOM_TRA_1PNPDE20091217_024408_000000412085_00132_40767_8775.N1	17-DEC-2009 02:44:08	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	40767	No
46	GOM_TRA_1PNPDE20091217_024645_000000582085_00132_40767_8776.N1	17-DEC-2009 02:46:45	Bright	58.000	39	85Eta UMa	1.8540	24000.	116	40767	No
47	GOM_TRA_1PNPDE20091217_025008_000000402085_00132_40767_8777.N1	17-DEC-2009 02:50:08	Bright	40.000	180	27Gam Boo	3.0400	8000.0	80	40767	No
48	GOM_TRA_1PNPDE20091217_025322_000000362085_00132_40767_8778.N1	17-DEC-2009 02:53:22	Bright	35.500	83		2.3780	11000.	71	40767	No
49	GOM_TRA_1PNPDE20091217_025644_000000412085_00132_40767_8779.N1	17-DEC-2009 02:56:44	Bright	41.000	111	8Eta Boo	2.6800	6000.0	82	40767	No
50	GOM_TRA_1PNPDE20091217_030647_000000522085_00132_40767_8780.N1	17-DEC-2009 03:06:47	Tw_i_and_stray	51.500	15	67Alp Vir	0.97600	28000.	103	40767	No
51	GOM_TRA_1PNPDE20091217_031432_000000252085_00132_40767_8781.N1	17-DEC-2009 03:14:32	Dark	25.000	171	2Eps Crv	3.0010	4250.0	50	40767	No
52	GOM_TRA_1PNPDE20091217_031735_000000402085_00132_40767_8782.N1	17-DEC-2009 03:17:35	Dark	39.500	64	Gam Cen	2.2000	10600.	79	40767	No
53	GOM_TRA_1PNPDE20091217_031915_000000452085_00133_40768_8783.N1	17-DEC-2009 03:19:15	Dark	44.500	99	Del Cen	2.5750	26000.	89	40768	No
54	GOM_TRA_1PNPDE20091217_032309_000000452085_00133_40768_8784.N1	17-DEC-2009 03:23:09	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	40768	No
55	GOM_TRA_1PNPDE20091217_032652_000000412085_00133_40768_8785.N1	17-DEC-2009 03:26:52	Dark	40.500	71	lot Car	2.2460	7700.0	81	40768	No
56	GOM_TRA_1PNPDE20091217_033133_000000492085_00133_40768_8786.N1	17-DEC-2009 03:31:33	Dark	49.000	34	Gam2Vel	1.7930	23000.	98	40768	No
57	GOM_TRA_1PNPDE20091217_033341_000000512085_00133_40768_8787.N1	17-DEC-2009 03:33:41	Dark	50.500	70	Zet Pup	2.2460	39000.	101	40768	No
58	GOM_TRA_1PNPDE20091217_033622_000000532085_00133_40768_8788.N1	17-DEC-2009 03:36:22	Dark	53.000	117	Pi Pup	2.7060	3800.0	106	40768	No
59	GOM_TRA_1PNPDE20091217_033935_000000532085_00133_40768_8789.N1	17-DEC-2009 03:39:35	Straylight	53.000	23	21Eps CMa	1.5020	26000.	106	40768	No
60	GOM_TRA_1PNPDE20091217_034121_000000362085_00133_40768_8790.N1	17-DEC-2009 03:41:21	Straylight	36.000	179	24Omi2CMa	3.0320	24000.	72	40768	No
61	GOM_TRA_1PNPDE20091217_034404_000000522085_00133_40768_8791.N1	17-DEC-2009 03:44:04	Straylight	51.500	47	2Bet CMa	1.9760	28000.	103	40768	No
62	GOM_TRA_1PNPDE20091217_034735_000000472085_00133_40768_8792.N1	17-DEC-2009 03:47:35	Straylight	47.000	7	19Bet Ori	0.10000	14000.	94	40768	No
63	GOM_TRA_1PNPDE20091217_034948_000000472085_00133_40768_8793.N1	17-DEC-2009 03:49:48	Straylight	46.500	30	46Eps Ori	1.6940	30000.	93	40768	No
64	GOM_TRA_1PNPDE20091217_035254_000000622085_00133_40768_8794.N1	17-DEC-2009 03:52:54	Tw_i_and_stray	61.500	14	58Alp Ori	0.87000	3000.0	123	40768	No
65	GOM_TRA_1PNPDE20091217_035454_000000482085_00133_40768_8795.N1	17-DEC-2009 03:54:54	Tw_i_and_stray	47.500	13	87Alp Tau	0.86700	3800.0	95	40768	No
66	GOM_TRA_1PNPDE20091217_035703_000000422085_00133_40768_8796.N1	17-DEC-2009 03:57:03	Bright	41.500	176	23Zet Tau	3.0200	22000.	83	40768	No



67	GOM_TRA_1PNPDE20091217_035907_000000442085_00133_40768_8797.N1	17-DEC-2009 03:59:07	Bright	43.500	28	12Bet Tau	1.6500	15200.	87	40768	No
68	GOM_TRA_1PNPDE20091217_040240_000000442085_00133_40768_8798.N1	17-DEC-2009 04:02:40	Bright	44.000	107	37The Aur	2.6490	11000.	88	40768	No
69	GOM_TRA_1PNPDE20091217_040451_000000422085_00133_40768_8799.N1	17-DEC-2009 04:04:51	Bright	41.500	42	34Bet Aur	1.9000	10200.	83	40768	No
70	GOM_TRA_1PNPDE20091217_042009_000000342085_00133_40768_8796.N1	17-DEC-2009 04:20:09	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	40768	No
71	GOM_TRA_1PNPDE20091217_042444_000000432085_00133_40768_8797.N1	17-DEC-2009 04:24:44	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	40768	No
72	GOM_TRA_1PNPDE20091217_042721_000000412085_00133_40768_8798.N1	17-DEC-2009 04:27:21	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	40768	No
73	GOM_TRA_1PNPDE20091217_043044_000000362085_00133_40768_8799.N1	17-DEC-2009 04:30:44	Bright	36.000	180	27Gam Boo	3.0400	8000.0	72	40768	No
74	GOM_TRA_1PNPDE20091217_043358_000000372085_00133_40768_8800.N1	17-DEC-2009 04:33:58	Bright	37.000	83		2.3780	11000.	74	40768	No
75	GOM_TRA_1PNPDE20091217_043721_000000552085_00133_40768_8801.N1	17-DEC-2009 04:37:21	Bright	55.000	111	8Eta Boo	2.6800	6000.0	110	40768	No
76	GOM_TRA_1PNPDE20091217_044724_000000512085_00133_40768_8802.N1	17-DEC-2009 04:47:24	Twilight	50.500	15	67Alp Vir	0.97600	28000.	101	40768	No
77	GOM_TRA_1PNPDE20091217_045212_000000442085_00133_40768_8803.N1	17-DEC-2009 04:52:12	Dark	44.000	163	7Del Crv	2.9450	11000.	88	40768	No
78	GOM_TRA_1PNPDE20091217_045330_000000562085_00133_40768_8804.N1	17-DEC-2009 04:53:30	Dark	56.000	106	9Bet Crv	2.6480	5600.0	112	40768	No
79	GOM_TRA_1PNPDE20091217_045812_000000442085_00133_40768_8805.N1	17-DEC-2009 04:58:12	Dark	44.000	64	Gam Cen	2.2000	10600.	88	40768	No
80	GOM_TRA_1PNPDE20091217_045951_000000412085_00134_40769_8806.N1	17-DEC-2009 04:59:51	Dark	41.000	99	Del Cen	2.5750	26000.	82	40769	No
81	GOM_TRA_1PNPDE20091217_050345_000000452085_00134_40769_8807.N1	17-DEC-2009 05:03:45	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	40769	No
82	GOM_TRA_1PNPDE20091217_050728_000000482085_00134_40769_8808.N1	17-DEC-2009 05:07:28	Dark	47.500	71	lot Car	2.2460	7700.0	95	40769	No
83	GOM_TRA_1PNPDE20091217_051209_000000462085_00134_40769_8809.N1	17-DEC-2009 05:12:09	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	40769	No
84	GOM_TRA_1PNPDE20091217_051418_000000532085_00134_40769_8810.N1	17-DEC-2009 05:14:18	Dark	53.000	70	Zet Pup	2.2460	39000.	106	40769	No
85	GOM_TRA_1PNPDE20091217_051658_000000502085_00134_40769_8811.N1	17-DEC-2009 05:16:58	Dark	49.500	117	Pi Pup	2.7060	3800.0	99	40769	No
86	GOM_TRA_1PNPDE20091217_052011_000000532085_00134_40769_8812.N1	17-DEC-2009 05:20:11	Straylight	53.000	23	21Eps CMa	1.5020	26000.	106	40769	No
87	GOM_TRA_1PNPDE20091217_052158_000000362085_00134_40769_8813.N1	17-DEC-2009 05:21:58	Straylight	36.000	179	24Omi2CMa	3.0320	24000.	72	40769	No
88	GOM_TRA_1PNPDE20091217_052441_000000512085_00134_40769_8814.N1	17-DEC-2009 05:24:41	Straylight	51.000	47	2Bet CMa	1.9760	28000.	102	40769	No
89	GOM_TRA_1PNPDE20091217_052811_000000482085_00134_40769_8815.N1	17-DEC-2009 05:28:11	Straylight	48.000	7	19Bet Ori	0.10000	14000.	96	40769	No
90	GOM_TRA_1PNPDE20091217_053024_000000482085_00134_40769_8816.N1	17-DEC-2009 05:30:24	Straylight	47.500	30	46Eps Ori	1.6940	30000.	95	40769	No
91	GOM_TRA_1PNPDE20091217_053330_000000662085_00134_40769_8817.N1	17-DEC-2009 05:33:30	Twilight	65.500	14	58Alp Ori	0.87000	3000.0	131	40769	No
92	GOM_TRA_1PNPDE20091217_053530_000000482085_00134_40769_8818.N1	17-DEC-2009 05:35:30	Twilight	47.500	13	87Alp Tau	0.86700	3800.0	95	40769	No
93	GOM_TRA_1PNPDE20091217_053739_000000442085_00134_40769_8819.N1	17-DEC-2009 05:37:39	Bright	44.000	176	23Zet Tau	3.0200	22000.	88	40769	No
94	GOM_TRA_1PNPDE20091217_053942_000000452085_00134_40769_8820.N1	17-DEC-2009 05:39:42	Bright	45.000	28	12Bet Tau	1.6500	15200.	90	40769	No
95	GOM_TRA_1PNPDE20091217_054315_000000432085_00134_40769_8821.N1	17-DEC-2009 05:43:15	Bright	42.500	107	37The Aur	2.6490	11000.	85	40769	No
96	GOM_TRA_1PNPDE20091217_054526_000000422085_00134_40769_8822.N1	17-DEC-2009 05:45:26	Bright	41.500	42	34Bet Aur	1.9000	10200.	83	40769	No
97	GOM_TRA_1PNPDE20091217_060045_000000082085_00134_40769_8823.N1	17-DEC-2009 06:00:45	Straylight	7.5000	60	7Bet UMi	2.0810	3950.0	15	40769	No
98	GOM_TRA_1PNPDE20091217_201739_000000482085_00143_40778_8889.N1	17-DEC-2009 20:17:39	Dark	47.500	34	Gam2Vel	1.7930	23000.	95	40778	Yes
99	GOM_TRA_1PNPDE20091217_201948_000000512085_00143_40778_8890.N1	17-DEC-2009 20:19:48	Dark	51.000	70	Zet Pup	2.2460	39000.	102	40778	No
100	GOM_TRA_1PNPDE20091217_202227_000000542085_00143_40778_8891.N1	17-DEC-2009 20:22:27	Dark	54.000	117	Pi Pup	2.7060	3800.0	108	40778	No
101	GOM_TRA_1PNPDE20091217_202538_000000532085_00143_40778_8892.N1	17-DEC-2009 20:25:38	Straylight	53.000	23	21Eps CMa	1.5020	26000.	106	40778	No
102	GOM_TRA_1PNPDE20091217_202724_000000512085_00143_40778_8893.N1	17-DEC-2009 20:27:24	Straylight	51.000	179	24Omi2CMa	3.0320	24000.	102	40778	No
103	GOM_TRA_1PNPDE20091217_203022_000000332085_00143_40778_8894.N1	17-DEC-2009 20:30:22	Straylight	33.000	1	9Alp CMa	-1.4400	11000.	66	40778	No
104	GOM_TRA_1PNPDE20091217_203335_000000472085_00143_40778_8895.N1	17-DEC-2009 20:33:35	Straylight	46.500	7	19Bet Ori	0.10000	14000.	93	40778	No
105	GOM_TRA_1PNPDE20091217_203547_000000482085_00143_40778_8896.N1	17-DEC-2009 20:35:47	Straylight	47.500	30	46Eps Ori	1.6940	30000.	95	40778	No
106	GOM_TRA_1PNPDE20091217_203851_000000622085_00143_40778_8897.N1	17-DEC-2009 20:38:51	Twilight	62.000	14	58Alp Ori	0.87000	3000.0	124	40778	No
107	GOM_TRA_1PNPDE20091217_204053_000000492085_00143_40778_8898.N1	17-DEC-2009 20:40:53	Twilight	48.500	13	87Alp Tau	0.86700	3800.0	97	40778	No
108	GOM_TRA_1PNPDE20091217_204259_000000432085_00143_40778_8899.N1	17-DEC-2009 20:42:59	Bright	43.000	176	23Zet Tau	3.0200	22000.	86	40778	No
109	GOM_TRA_1PNPDE20091217_204503_000000442085_00143_40778_8900.N1	17-DEC-2009 20:45:03	Bright	43.500	28	12Bet Tau	1.6500	15200.	87	40778	No
110	GOM_TRA_1PNPDE20091217_204833_000000652085_00143_40778_8901.N1	17-DEC-2009 20:48:33	Bright	65.000	107	37The Aur	2.6490	11000.	130	40778	No
111	GOM_TRA_1PNPDE20091217_205044_000000632085_00143_40778_8902.N1	17-DEC-2009 20:50:44	Bright	63.000	42	34Bet Aur	1.9000	10200.	126	40778	No
112	GOM_TRA_1PNPDE20091217_210608_000000382085_00143_40778_8903.N1	17-DEC-2009 21:06:08	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	40778	No
113	GOM_TRA_1PNPDE20091217_211041_000000462085_00143_40778_8904.N1	17-DEC-2009 21:10:41	Bright	45.500	32	77Eps UMa	1.7630	11000.	91	40778	No
114	GOM_TRA_1PNPDE20091217_211320_000000382085_00143_40778_8905.N1	17-DEC-2009 21:13:20	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	40778	No
115	GOM_TRA_1PNPDE20091217_211645_000000382085_00143_40778_8906.N1	17-DEC-2009 21:16:45	Bright	37.500	180	27Gam Boo	3.0400	8000.0	75	40778	No
116	GOM_TRA_1PNPDE20091217_212000_000000372085_00143_40778_8907.N1	17-DEC-2009 21:20:00	Bright	37.000	83		2.3780	11000.	74	40778	No
117	GOM_TRA_1PNPDE20091217_212323_000000612085_00143_40778_8908.N1	17-DEC-2009 21:23:23	Bright	61.000	111	8Eta Boo	2.6800	6000.0	122	40778	No
118	GOM_TRA_1PNPDE20091217_213331_000000532085_00143_40778_8907.N1	17-DEC-2009 21:33:31	Twilight	53.000	15	67Alp Vir	0.97600	28000.	106	40778	No
119	GOM_TRA_1PNPDE20091217_213702_000000482085_00143_40778_8908.N1	17-DEC-2009 21:37:02	Dark	48.000	169	46Gam Hya	2.9910	4700.0	96	40778	No
120	GOM_TRA_1PNPDE20091217_213940_000000652085_00143_40778_8909.N1	17-DEC-2009 21:39:40	Dark	64.500	106	9Bet Crv	2.6480	5600.0	129	40778	No
121	GOM_TRA_1PNPDE20091217_214418_000000422085_00143_40778_8910.N1	17-DEC-2009 21:44:18	Dark	41.500	64	Gam Cen	2.2000	10600.	83	40778	No
122	GOM_TRA_1PNPDE20091217_214558_000000422085_00144_40779_8911.N1	17-DEC-2009 21:45:58	Dark	41.500	99	Del Cen	2.5750	26000.	83	40779	No
123	GOM_TRA_1PNPDE20091217_233031_000000462085_00145_40780_8927.N1	17-DEC-2009 23:30:31	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	40780	No
124	GOM_TRA_1PNPDE20091217_233410_000000402085_00145_40780_8928.N1	17-DEC-2009 23:34:10	Dark	40.000	71	lot Car	2.2460	7700.0	80	40780	No
125	GOM_TRA_1PNPDE20091217_233852_000000492085_00145_40780_8929.N1	17-DEC-2009 23:38:52	Dark	48.500	34	Gam2Vel	1.7930	23000.	97	40780	No

126	GOM_TRA_1PNPDE20091217_234101_000000512085_00145_40780_8930.N1	17-DEC-2009 23:41:01	Dark	50.500	70	Zet Pup	2.2460	39000.	101	40780	No
127	GOM_TRA_1PNPDE20091217_234339_000000532085_00145_40780_8931.N1	17-DEC-2009 23:43:39	Dark	52.500	117	Pi Pup	2.7060	3800.0	105	40780	No
128	GOM_TRA_1PNPDE20091217_234651_000000542085_00145_40780_8932.N1	17-DEC-2009 23:46:51	Straylight	53.500	23	21Eps CMa	1.5020	26000.	107	40780	No
129	GOM_TRA_1PNPDE20091217_234836_000000522085_00145_40780_8933.N1	17-DEC-2009 23:48:36	Straylight	52.000	179	24Omi2CMa	3.0320	24000.	104	40780	No
130	GOM_TRA_1PNPDE20091217_235134_000000392085_00145_40780_8934.N1	17-DEC-2009 23:51:34	Straylight	39.000	1	9Alp CMa	-1.4400	11000.	78	40780	No
131	GOM_TRA_1PNPDE20091217_235447_000000462085_00145_40780_8935.N1	17-DEC-2009 23:54:47	Straylight	45.500	7	19Bet Ori	0.10000	14000.	91	40780	No
132	GOM_TRA_1PNPDE20091217_235659_000000462085_00145_40780_8936.N1	17-DEC-2009 23:56:59	Straylight	46.000	30	46Eps Ori	1.6940	30000.	92	40780	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.

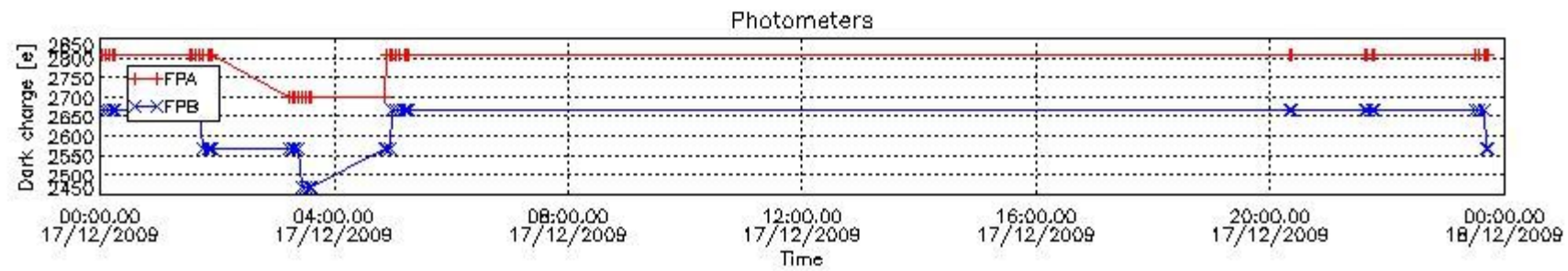
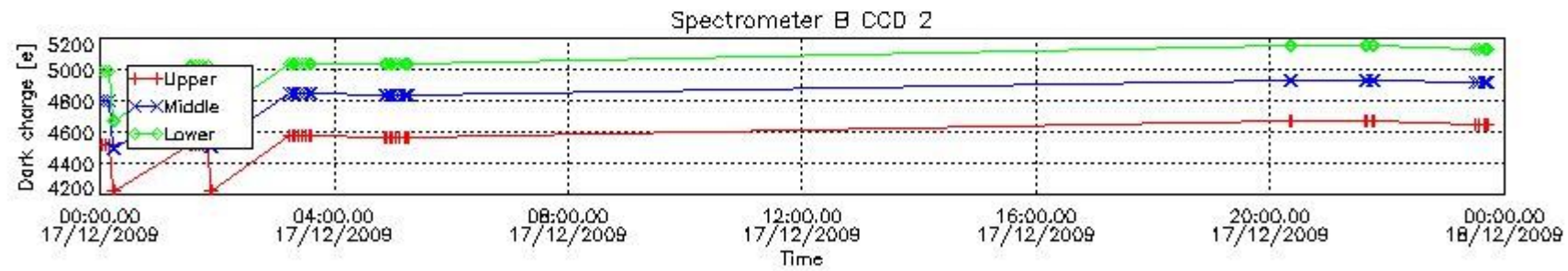
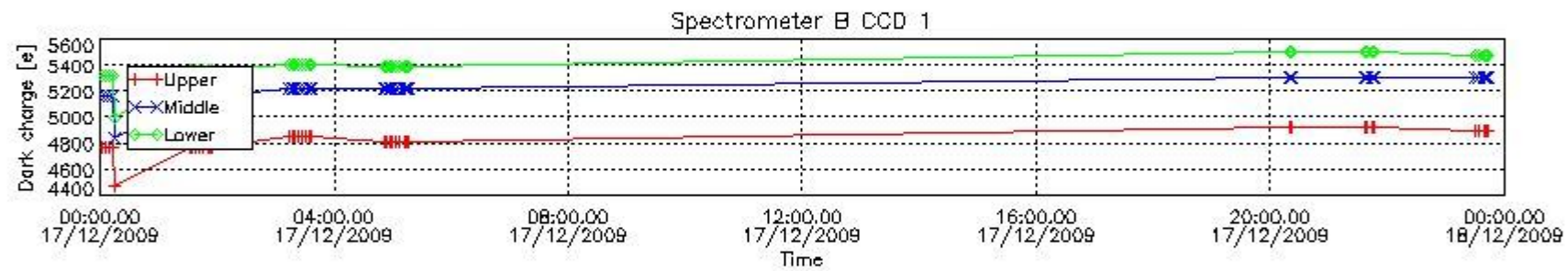
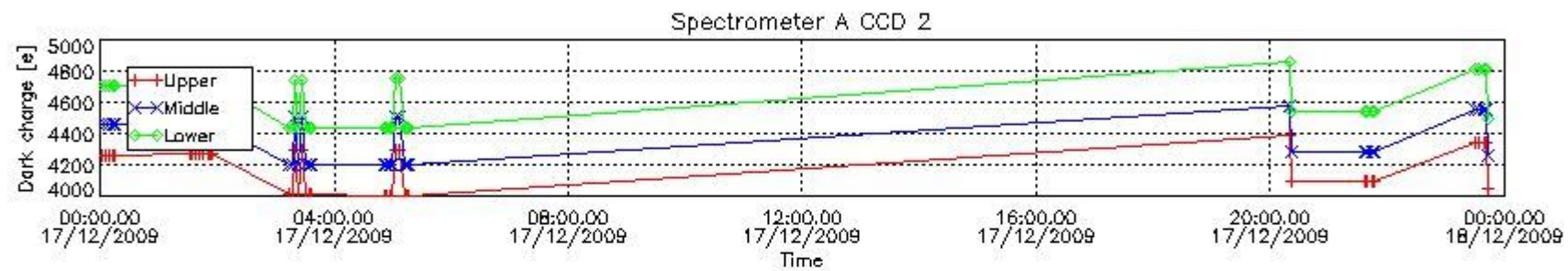
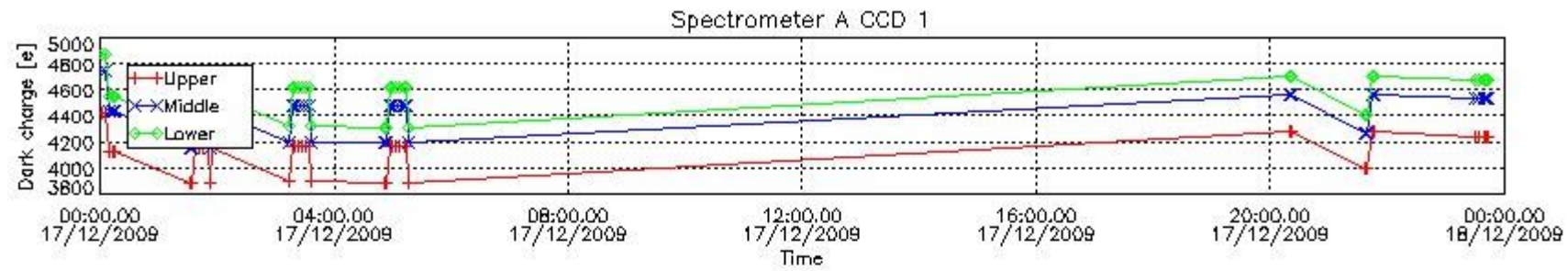
#### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20091217_201739_000000482085_00143_40778_8889.N1	DC map with no T dep.
GOM_TRA_1PNPDE20091217_201948_000000512085_00143_40778_8890.N1	DC map used
GOM_TRA_1PNPDE20091217_202227_000000542085_00143_40778_8891.N1	DC map used

GOM_TRA_1PNPDE20091217_202538_000000532085_00143_40778_8892.N1	DC map used
GOM_TRA_1PNPDE20091217_202724_000000512085_00143_40778_8893.N1	DC map used
GOM_TRA_1PNPDE20091217_203022_000000332085_00143_40778_8894.N1	DC map used
GOM_TRA_1PNPDE20091217_203335_000000472085_00143_40778_8895.N1	DC map used
GOM_TRA_1PNPDE20091217_203547_000000482085_00143_40778_8896.N1	DC map used
GOM_TRA_1PNPDE20091217_203851_000000622085_00143_40778_8897.N1	DC map used
GOM_TRA_1PNPDE20091217_204053_000000492085_00143_40778_8898.N1	DC map used
GOM_TRA_1PNPDE20091217_204259_000000432085_00143_40778_8899.N1	DC map used
GOM_TRA_1PNPDE20091217_204503_000000442085_00143_40778_8900.N1	DC map used
GOM_TRA_1PNPDE20091217_204833_000000652085_00143_40778_8901.N1	DC map used
GOM_TRA_1PNPDE20091217_205044_000000632085_00143_40778_8902.N1	DC map used
GOM_TRA_1PNPDE20091217_210608_000000382085_00143_40778_8903.N1	DC map used
GOM_TRA_1PNPDE20091217_211041_000000462085_00143_40778_8904.N1	DC map used
GOM_TRA_1PNPDE20091217_211320_000000382085_00143_40778_8905.N1	DC map used
GOM_TRA_1PNPDE20091217_211645_000000382085_00143_40778_8906.N1	DC map used
GOM_TRA_1PNPDE20091217_212000_000000372085_00143_40778_8907.N1	DC map used
GOM_TRA_1PNPDE20091217_212323_000000612085_00143_40778_8908.N1	DC map used
GOM_TRA_1PNPDE20091217_213331_000000532085_00143_40778_8907.N1	DC map used
GOM_TRA_1PNPDE20091217_213702_000000482085_00143_40778_8908.N1	DC map used
GOM_TRA_1PNPDE20091217_213940_000000652085_00143_40778_8909.N1	DC map used
GOM_TRA_1PNPDE20091217_214418_000000422085_00143_40778_8910.N1	DC map used
GOM_TRA_1PNPDE20091217_214558_000000422085_00144_40779_8911.N1	DC map used

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





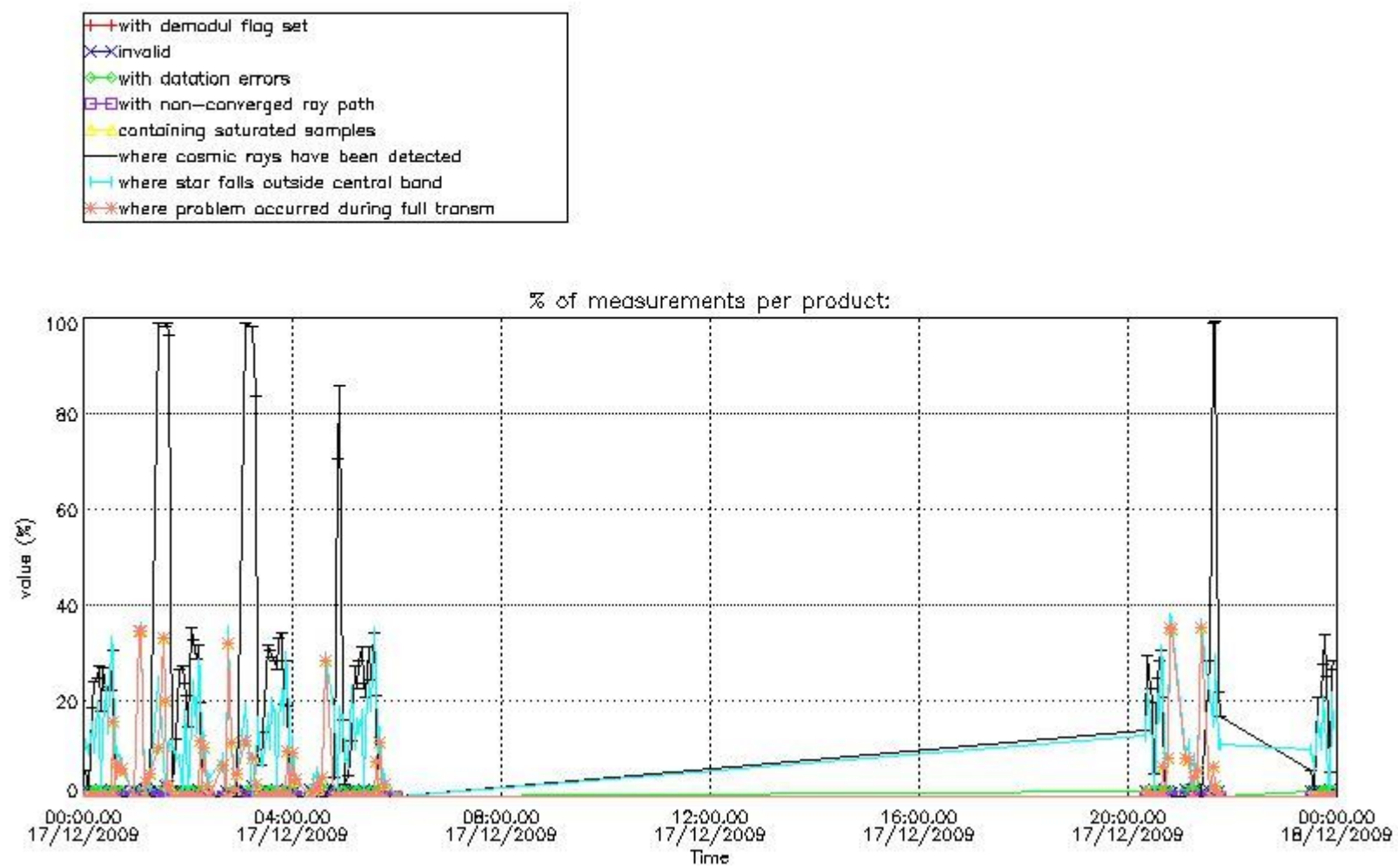
## 5. Demodulation flag and quality information monitoring

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:

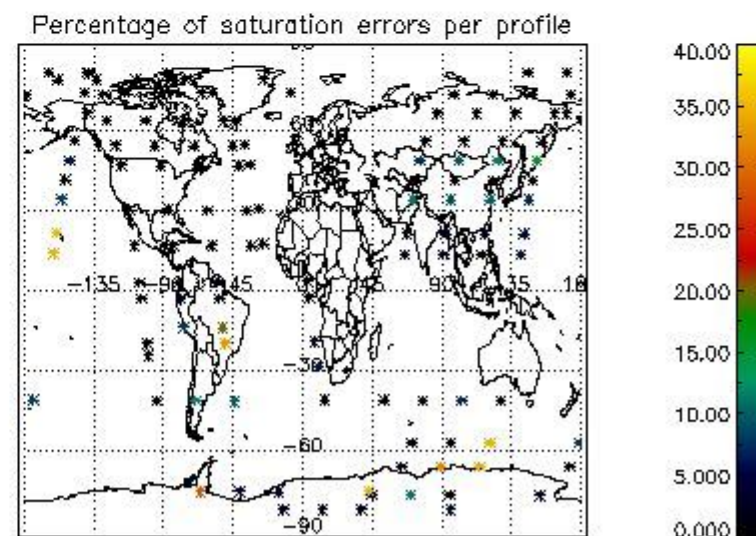
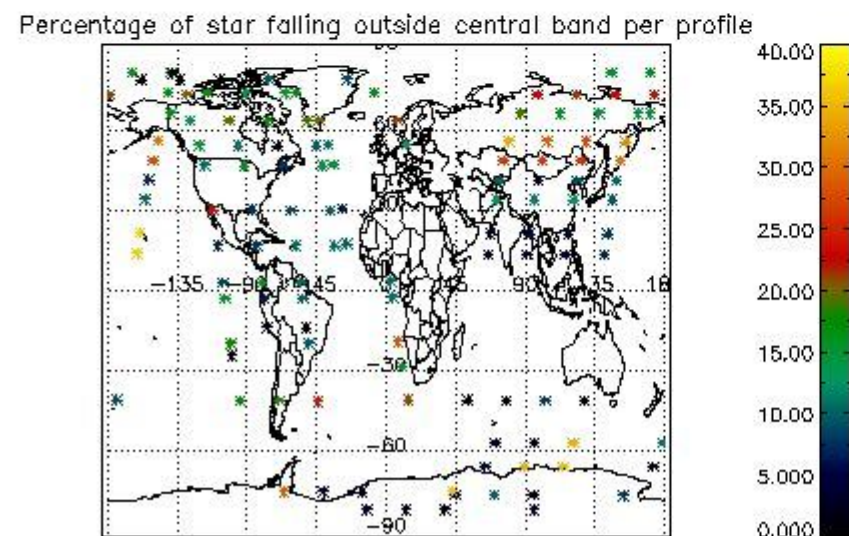
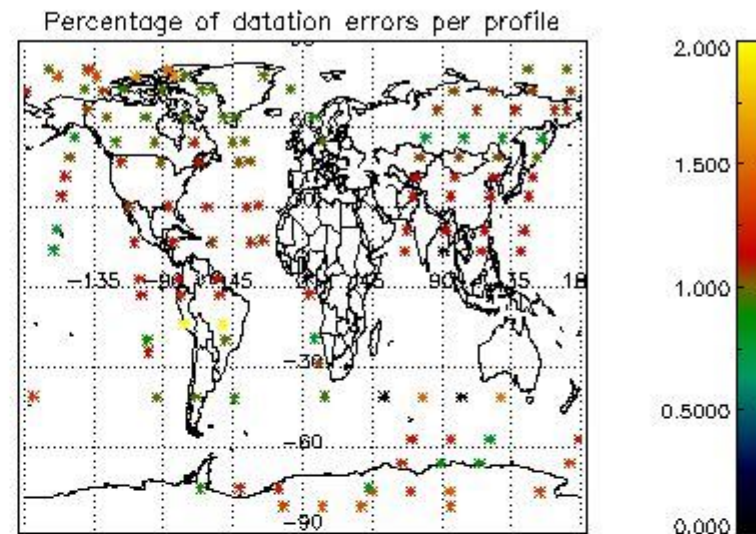
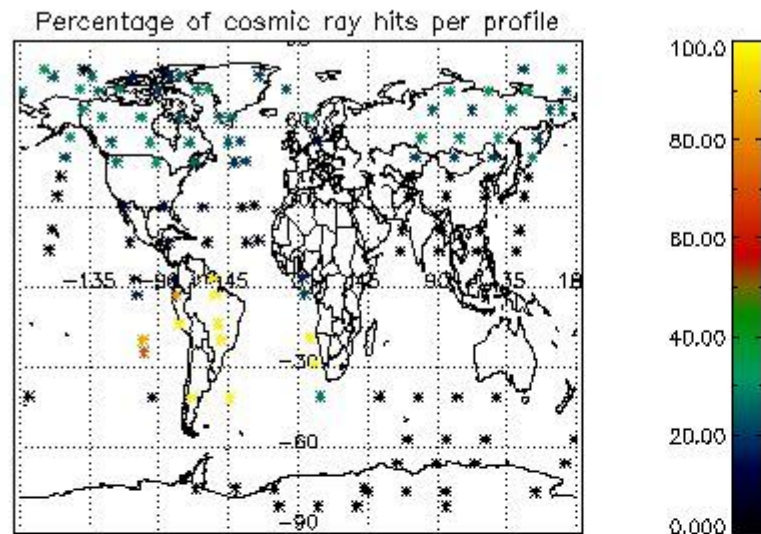
At least one measurement with demodulation flag set:	51.9084 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)





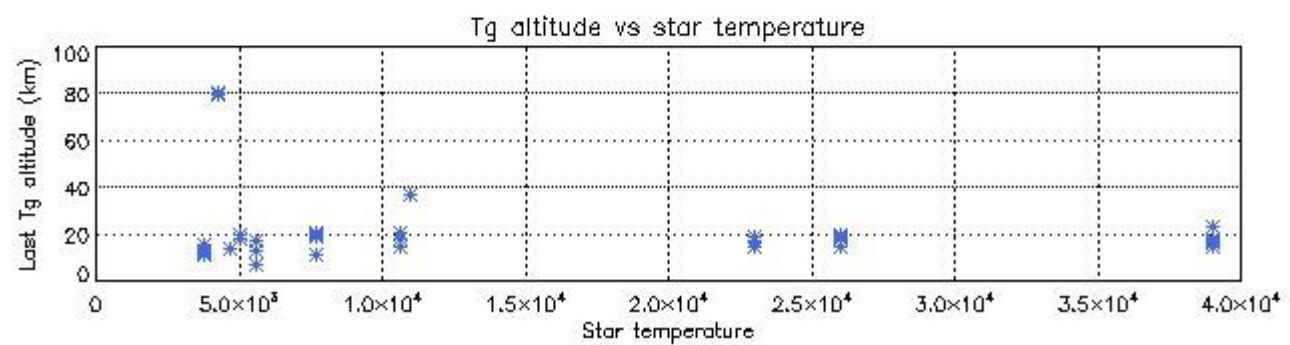
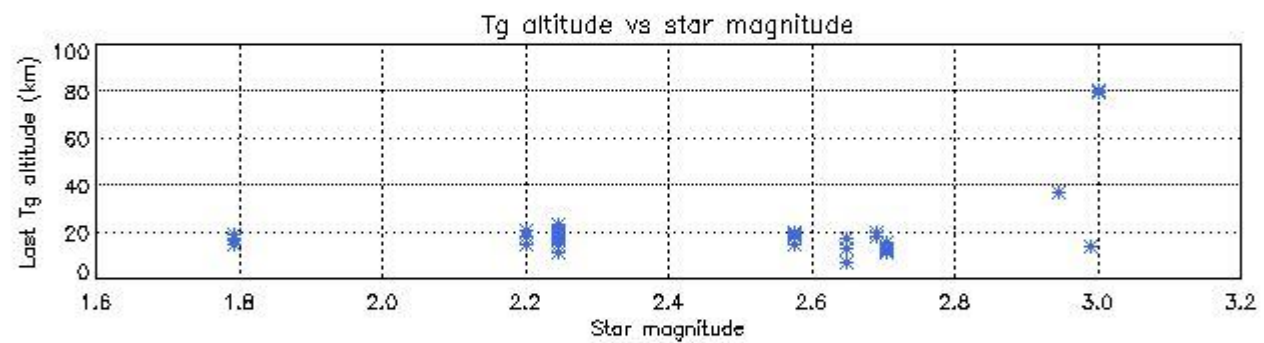
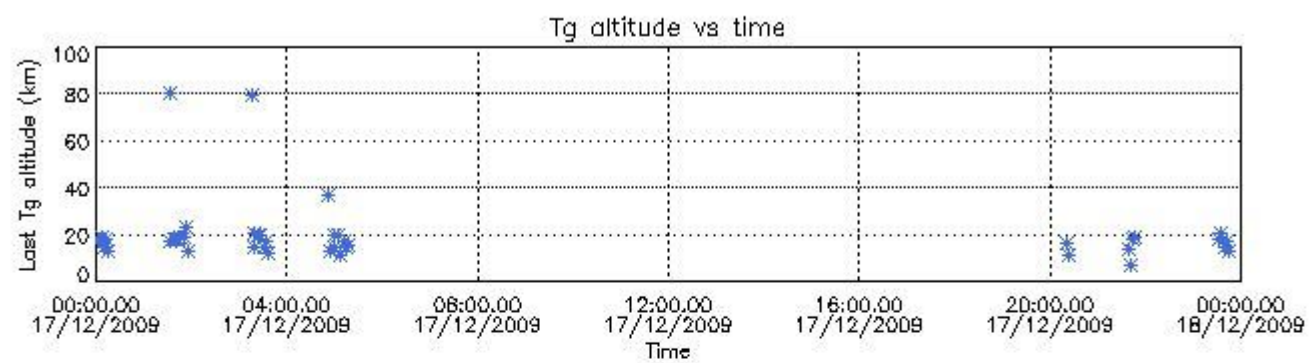
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	19.855	18.660	NaN
St. deviation:	14.340	7.0370	NaN
Maximum:	80.339	30.045	NaN
Minimum:	6.9731	3.3811	NaN
Number of data:	42.000	44.000	NaN

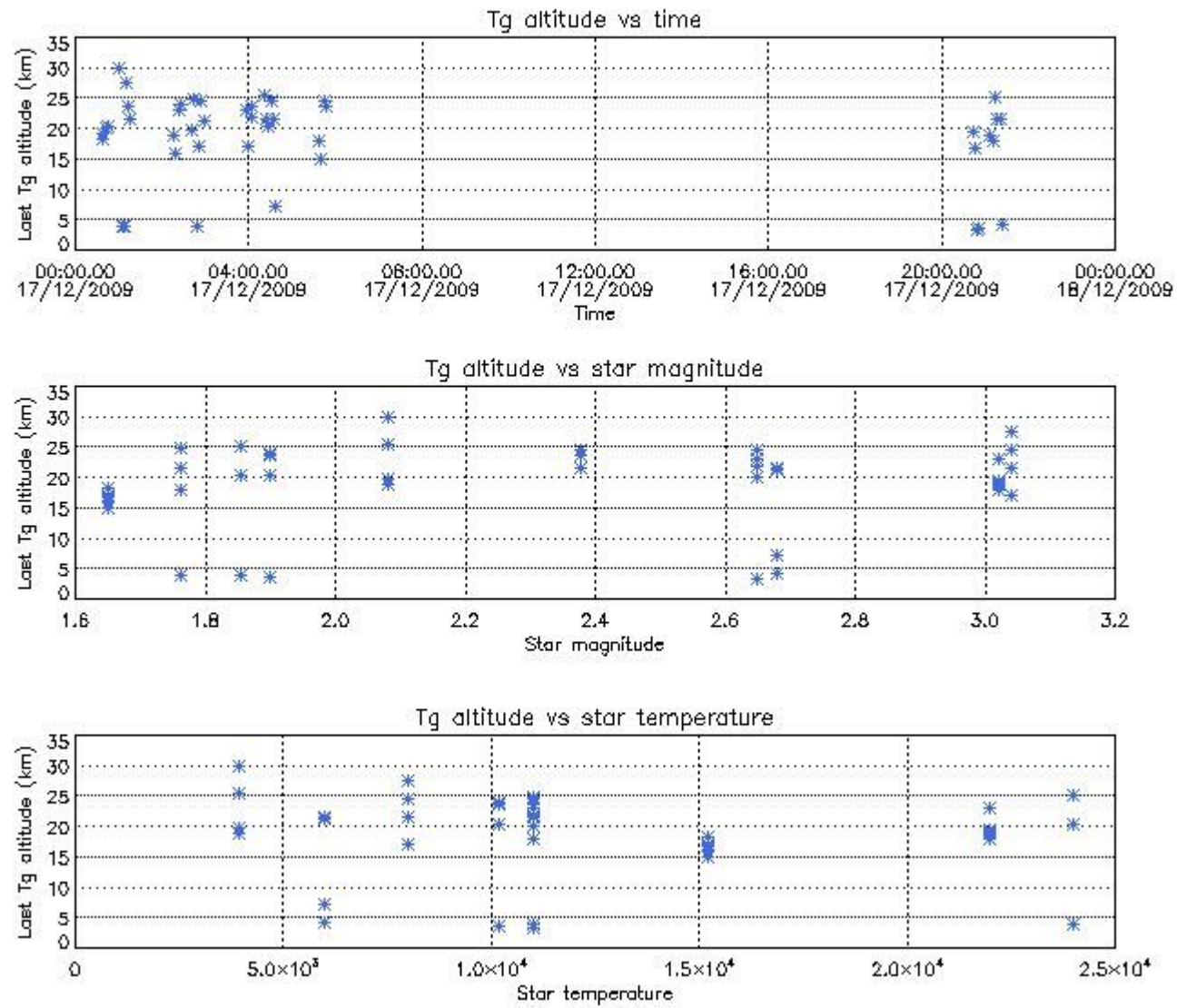
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost



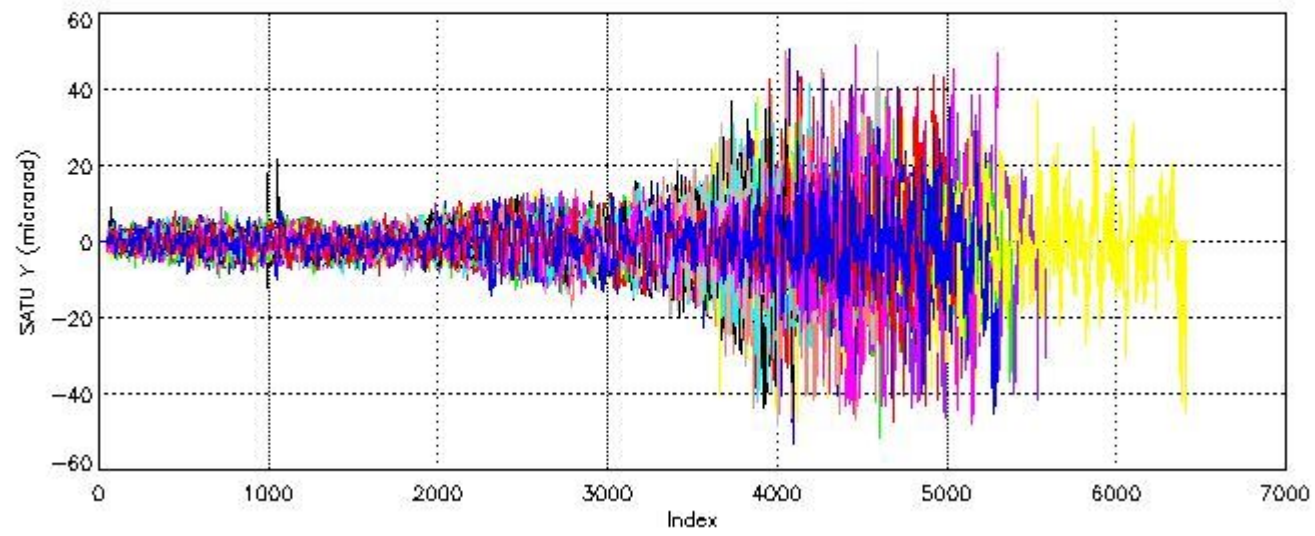
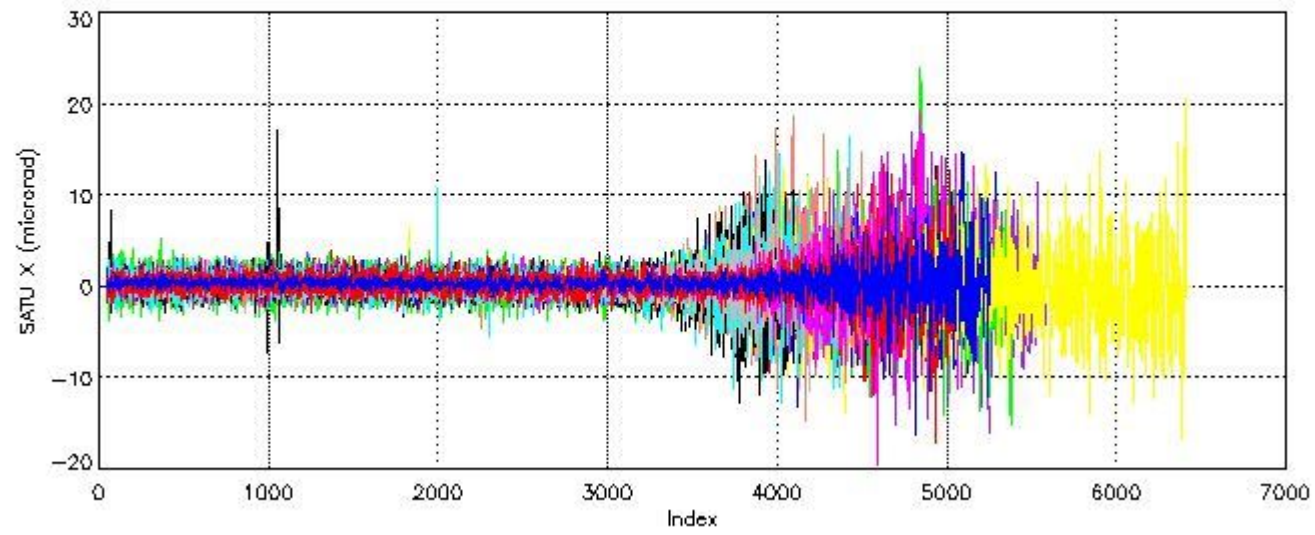
## 7. Star Acquisition and Tracking Unit (SATU)

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

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

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





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

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

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

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.23830	-0.19723	0.16114	-0.24219
St. deviation:	0.64768	1.9798	0.86713	2.3566
Maximum:	8.2000	17.700	5.1000	11.300
Minimum:	-7.3000	-12.300	-6.9000	-11.500

Number of data:	44300.	44300.	42450.	42450.
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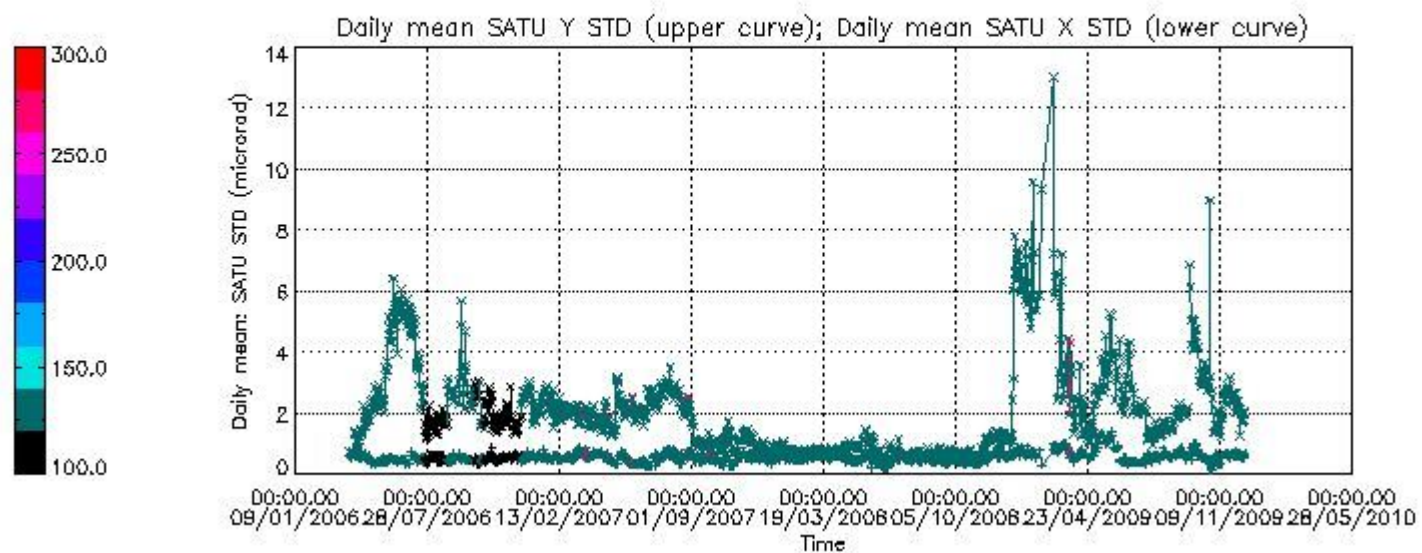
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

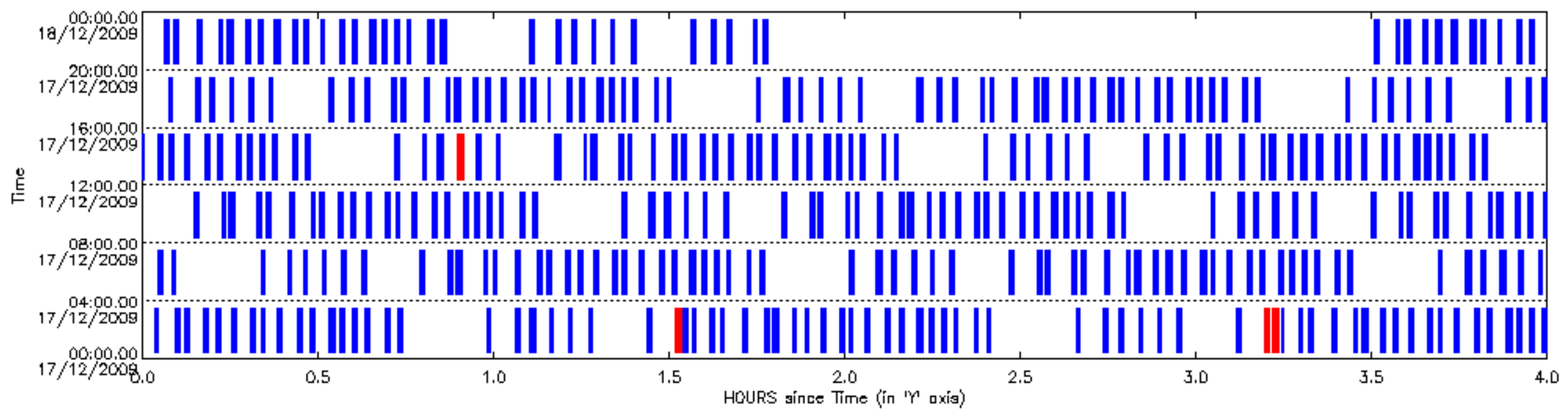
Lower curve: STD of SATU X axis



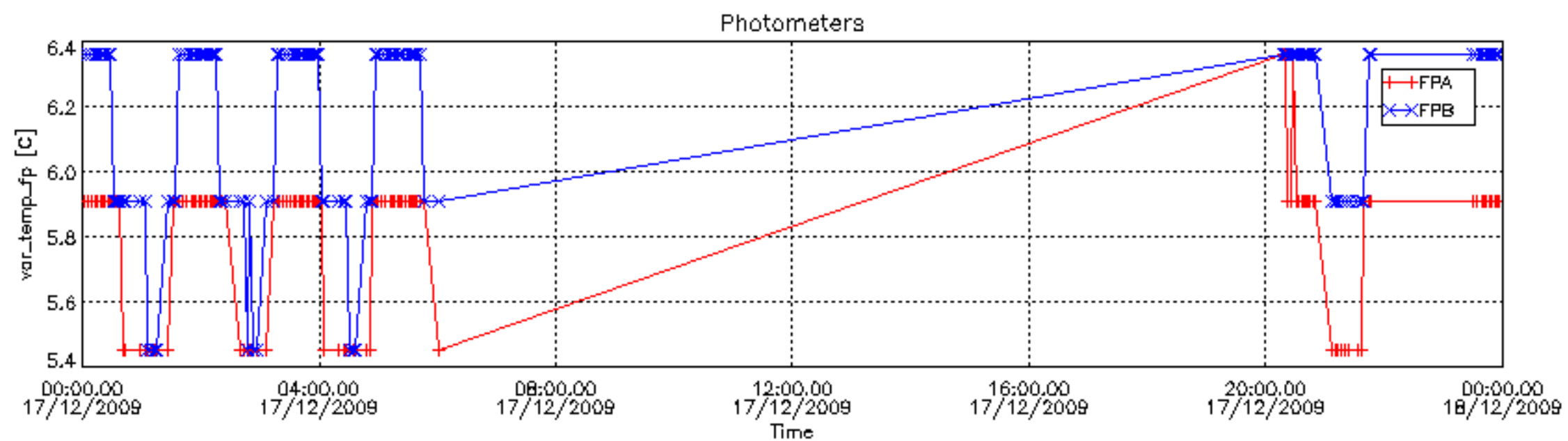
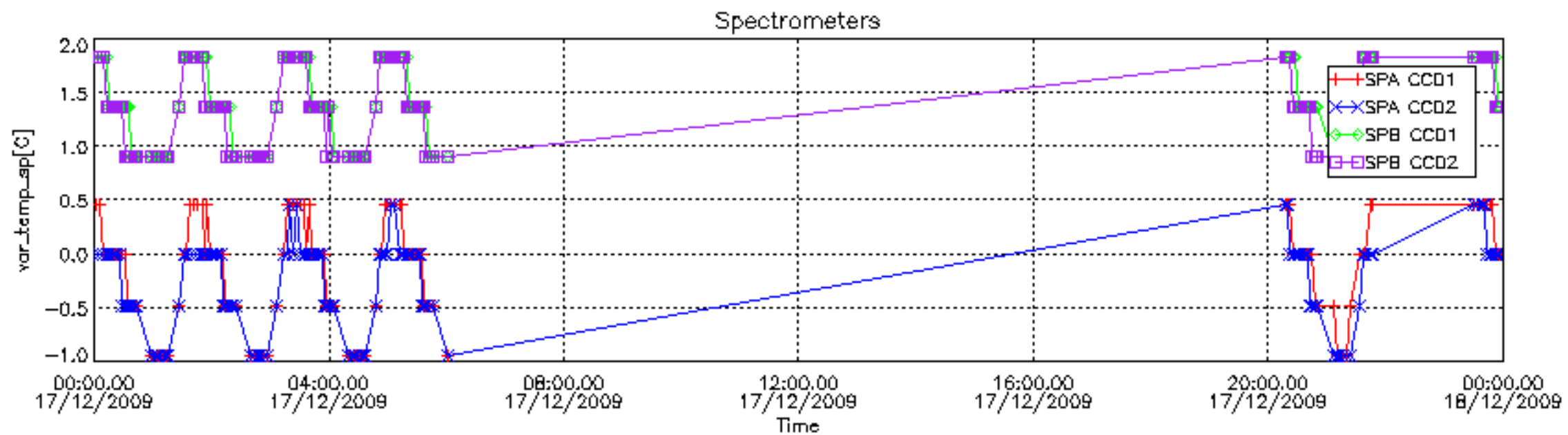
### 8. Auxiliary Data Files used for the production reported in section 2.4

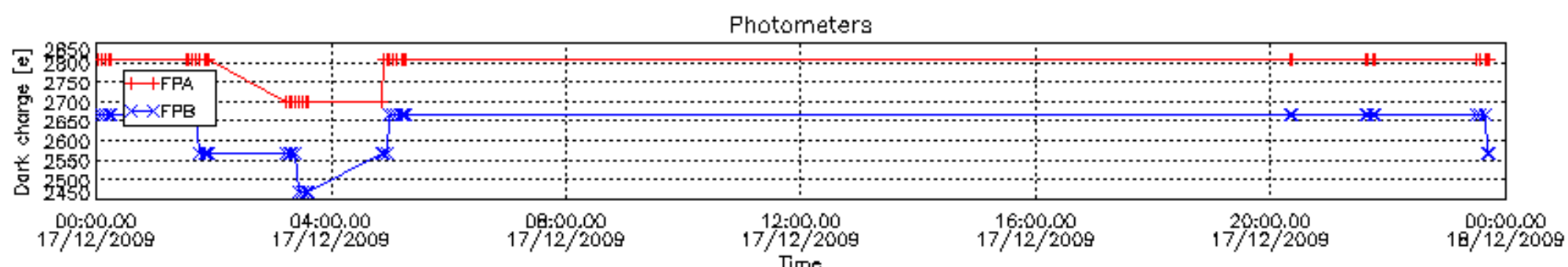
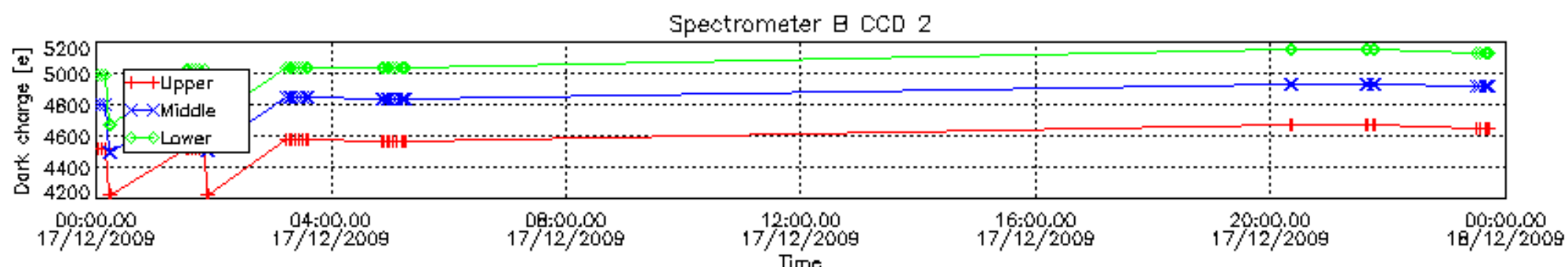
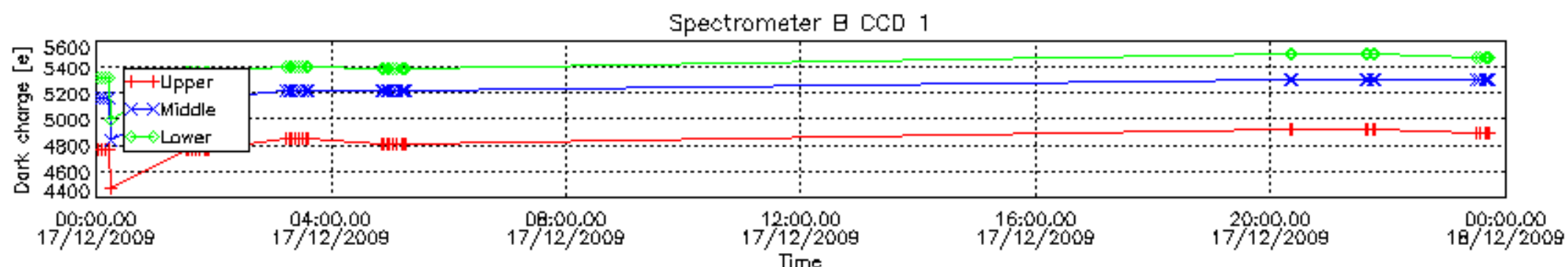
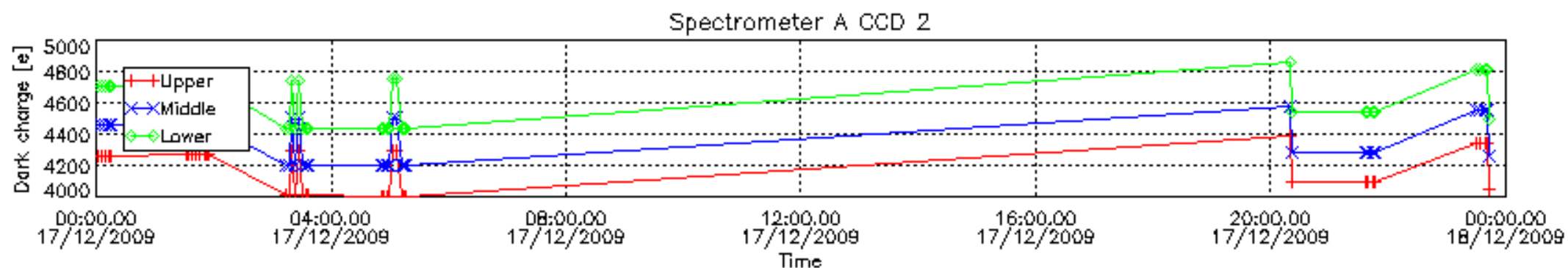
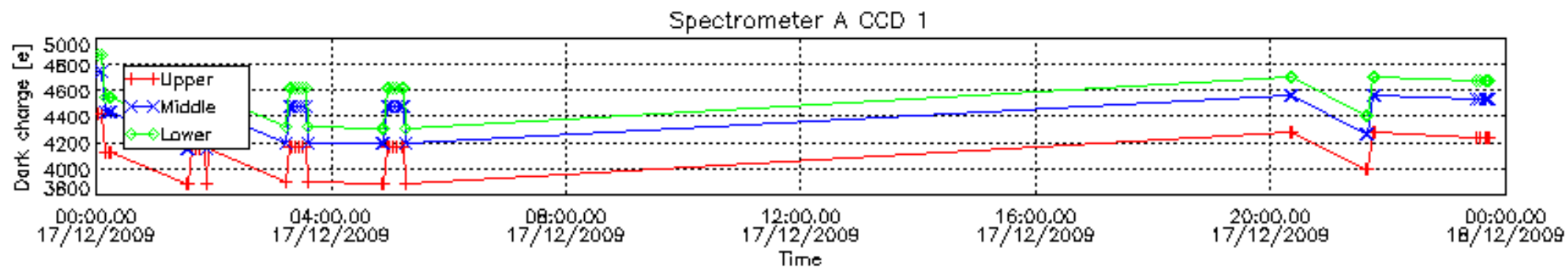
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

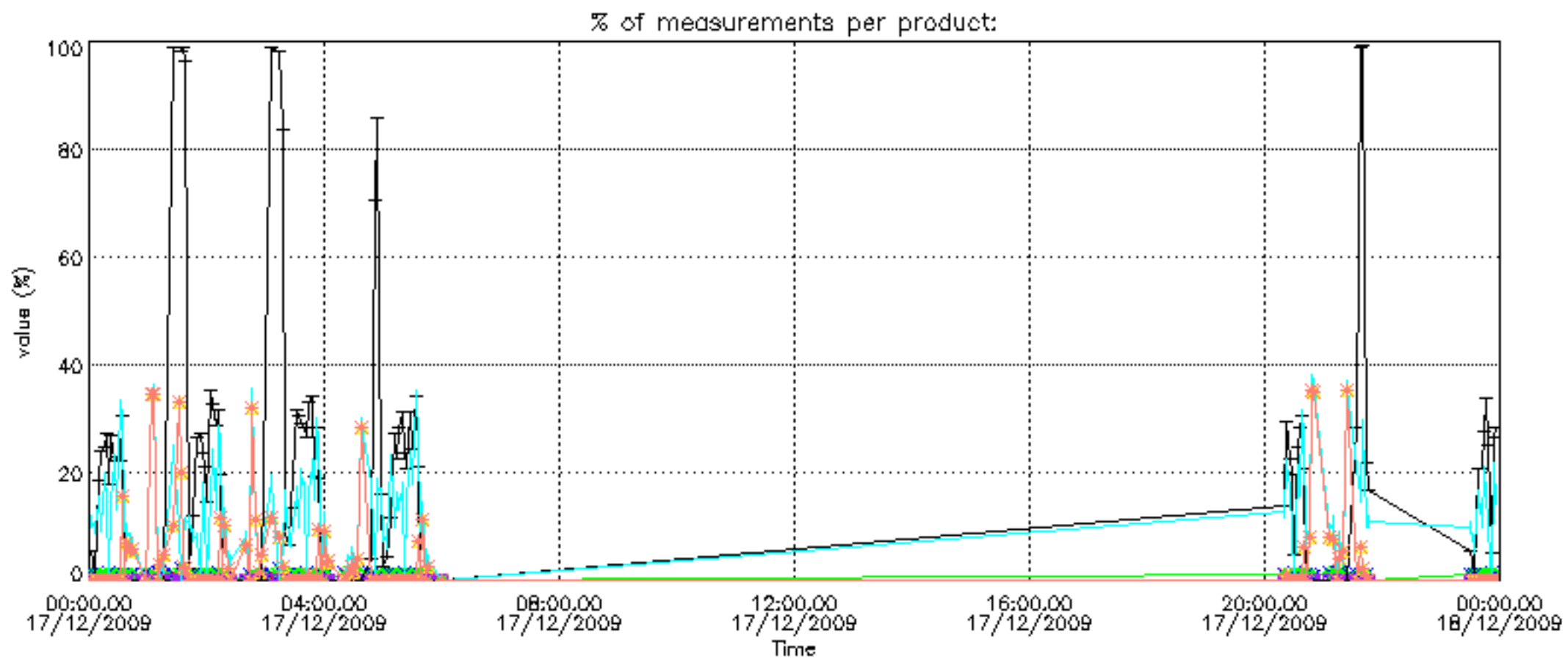
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	17-DEC-2009 00:01:55
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091214_085046_20091212_000000_20500101_000000	1	17-DEC-2009 00:01:55
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	17-DEC-2009 00:01:55
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	17-DEC-2009 00:01:55
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	17-DEC-2009 00:01:55
ECMWF_FILE	AUX_ECF_AXNECM20091216_110110_20091216_210000_20091217_090000	1	17-DEC-2009 00:01:55
ECMWF_FILE	AUX_ECF_AXNECM20091216_182107_20091217_030000_20091217_150000	70	17-DEC-2009 04:20:09
ECMWF_FILE	AUX_ECF_AXNECM20091217_062111_20091217_150000_20091218_030000	98	17-DEC-2009 20:17:39
ECMWF_FILE	AUX_ECF_AXNECM20091217_062111_20091217_210000_20091218_090000	118	17-DEC-2009 21:33:31
OPTIONAL_ECMWF_FILE	MISSING	1	17-DEC-2009 00:01:55
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ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091217_023754_000054192085_00132_40767_9375.N1	45	17-DEC-2009 02:44:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091217_041332_000060572085_00133_40768_9376.N1	70	17-DEC-2009 04:20:09
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091217_201513_000041442085_00143_40778_9377.N1	98	17-DEC-2009 20:17:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091217_212936_000057382085_00143_40778_9378.N1	118	17-DEC-2009 21:33:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091217_231033_000057382085_00144_40779_9379.N1	123	17-DEC-2009 23:30:31





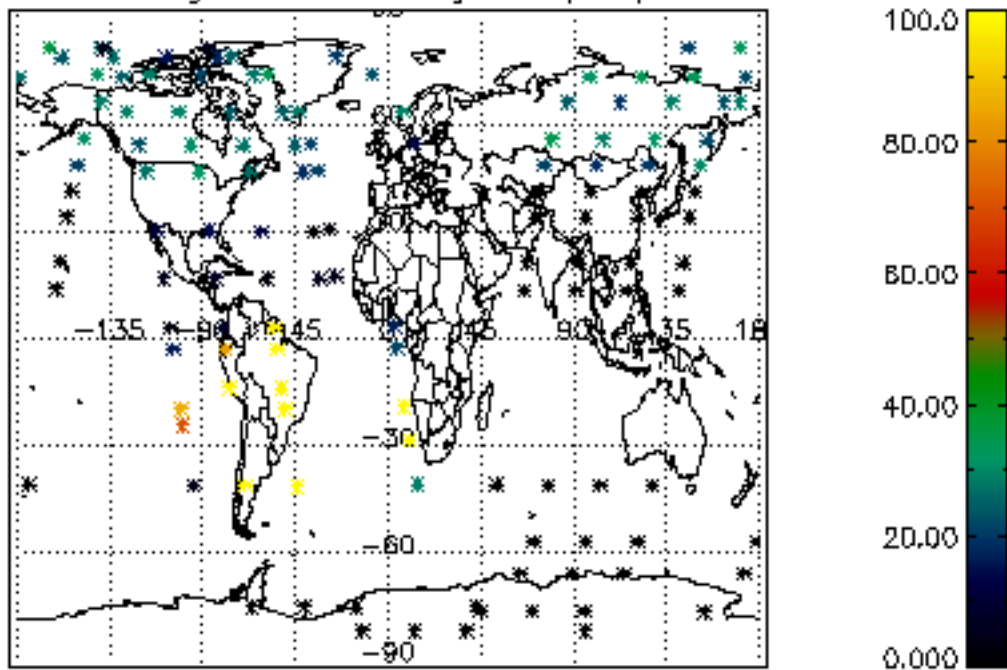




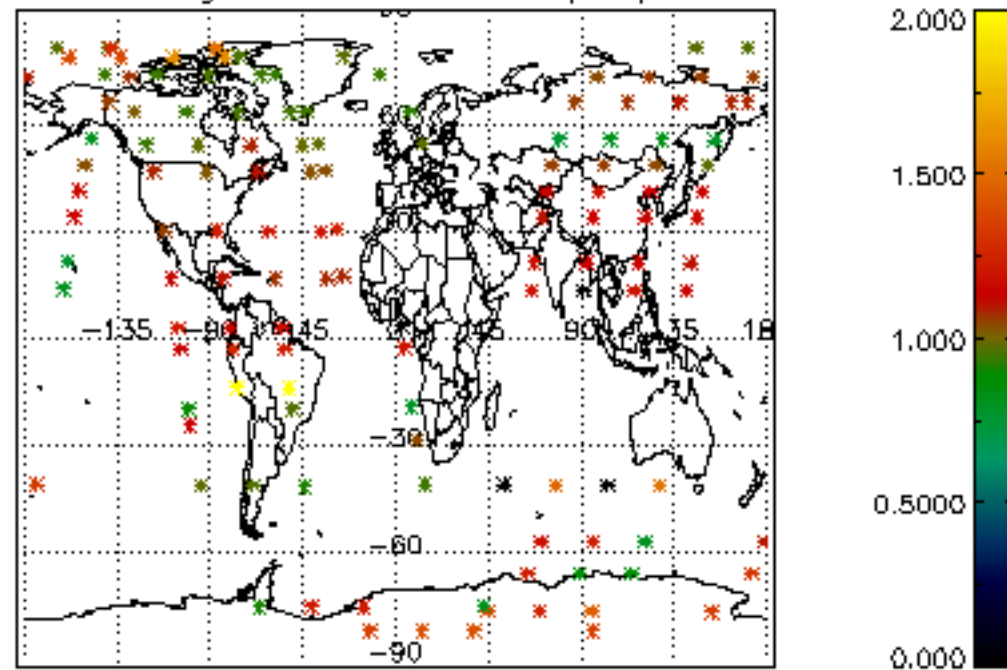




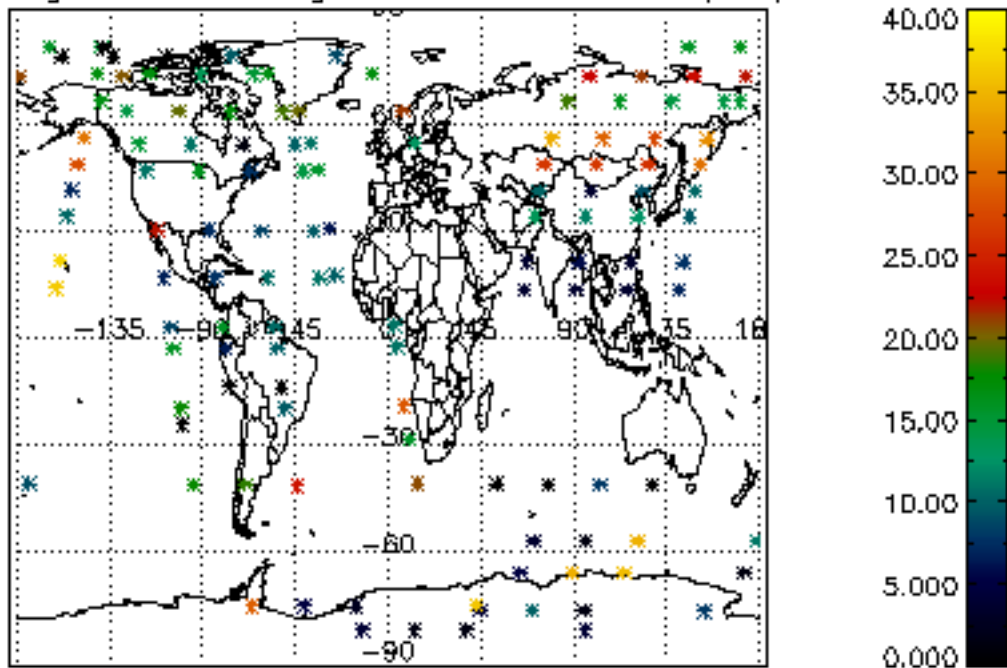
Percentage of cosmic ray hits per profile



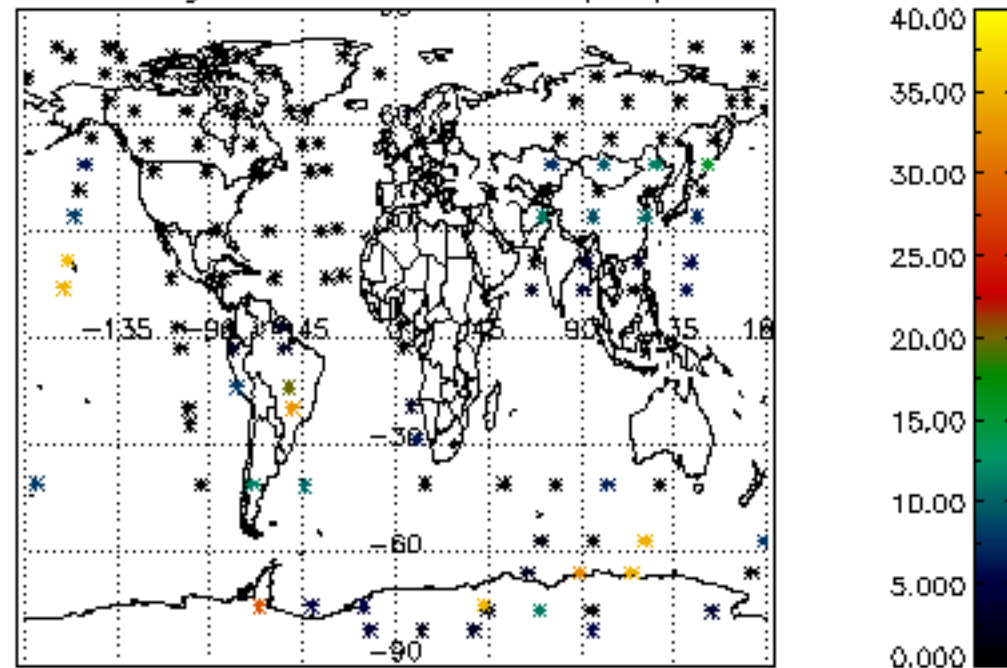
Percentage of datation errors per profile



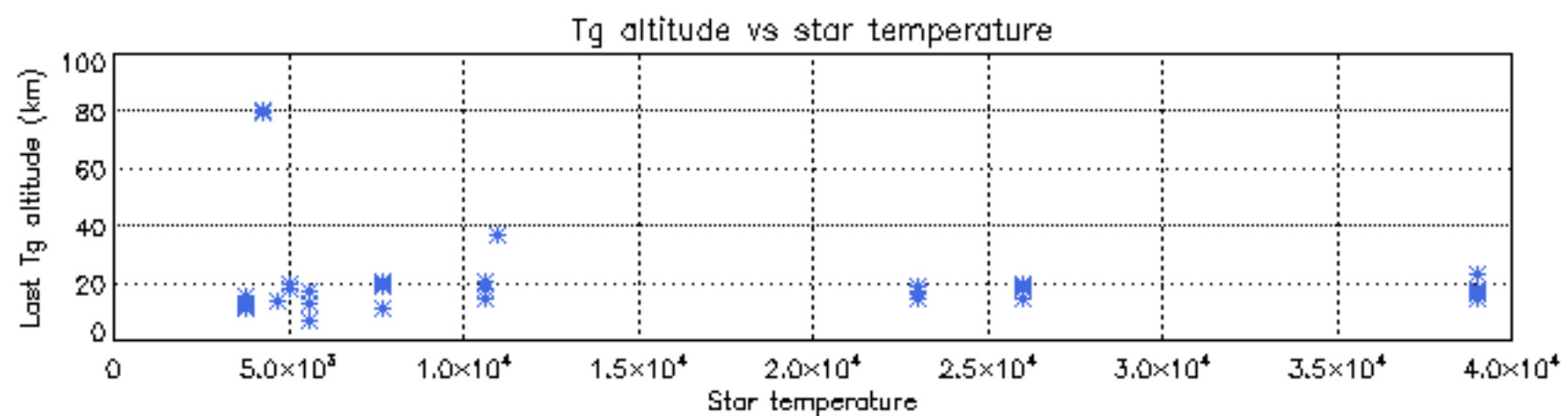
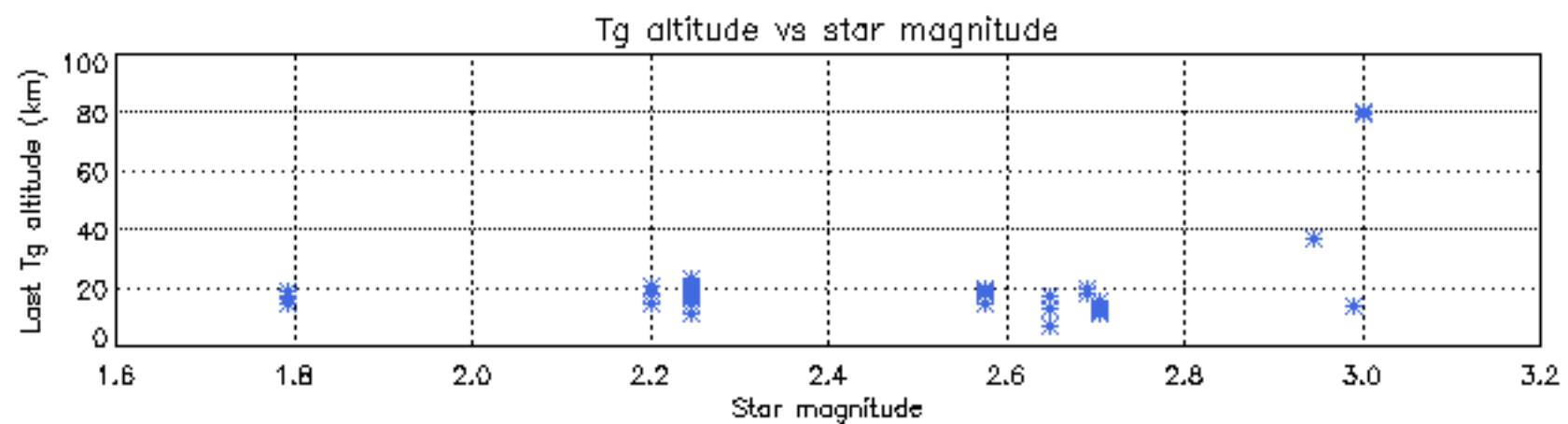
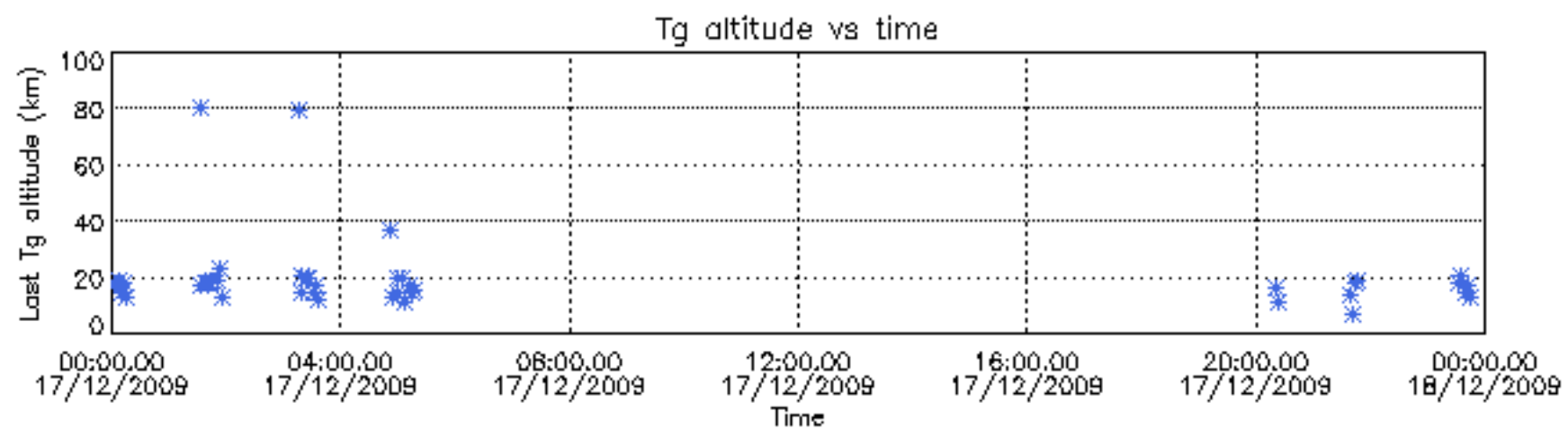
Percentage of star falling outside central band per profile



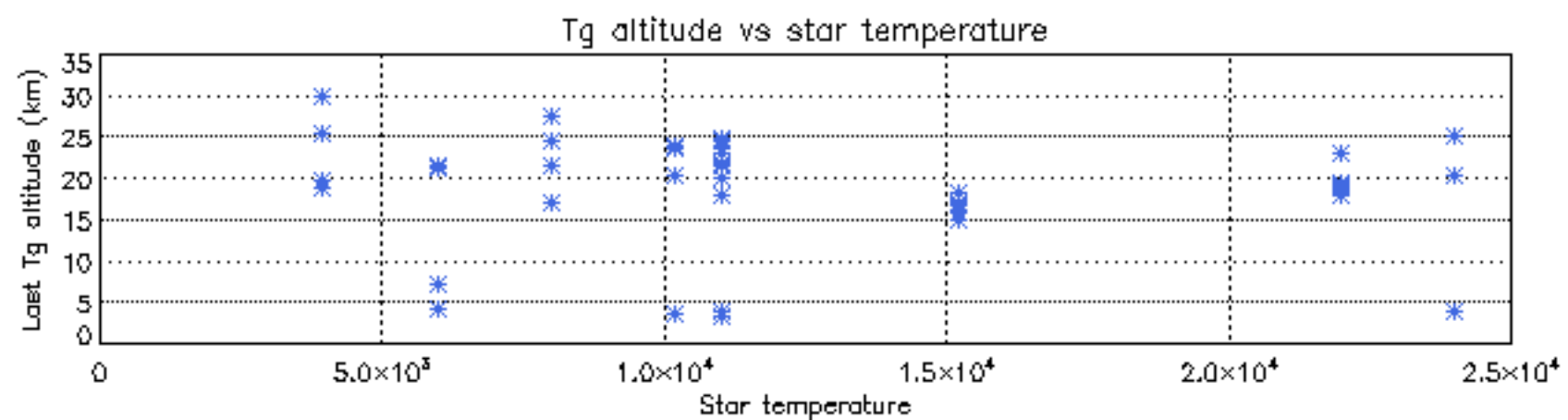
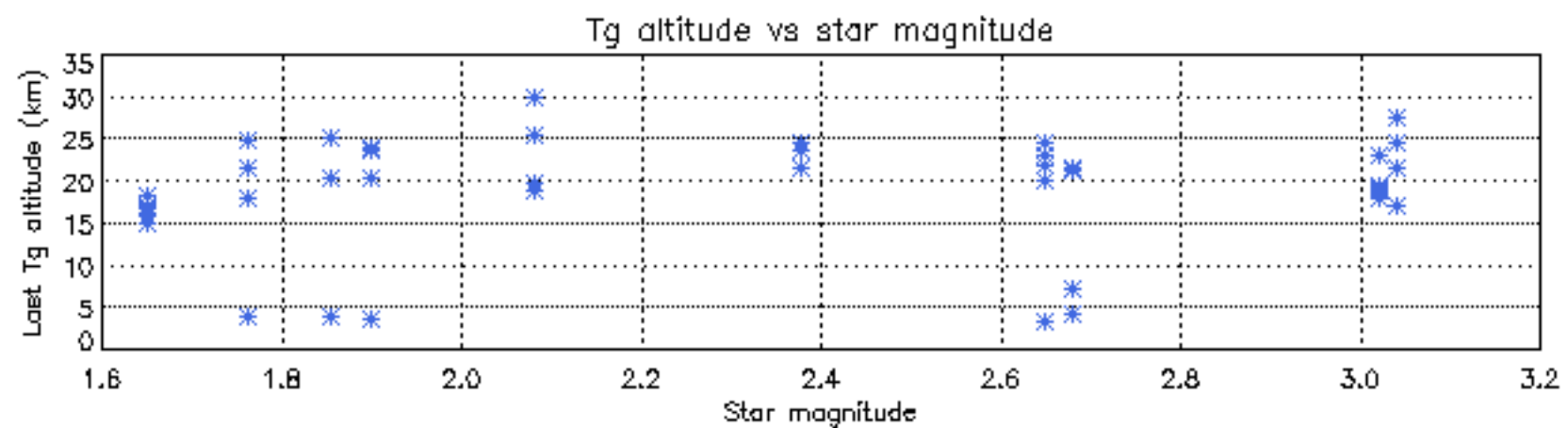
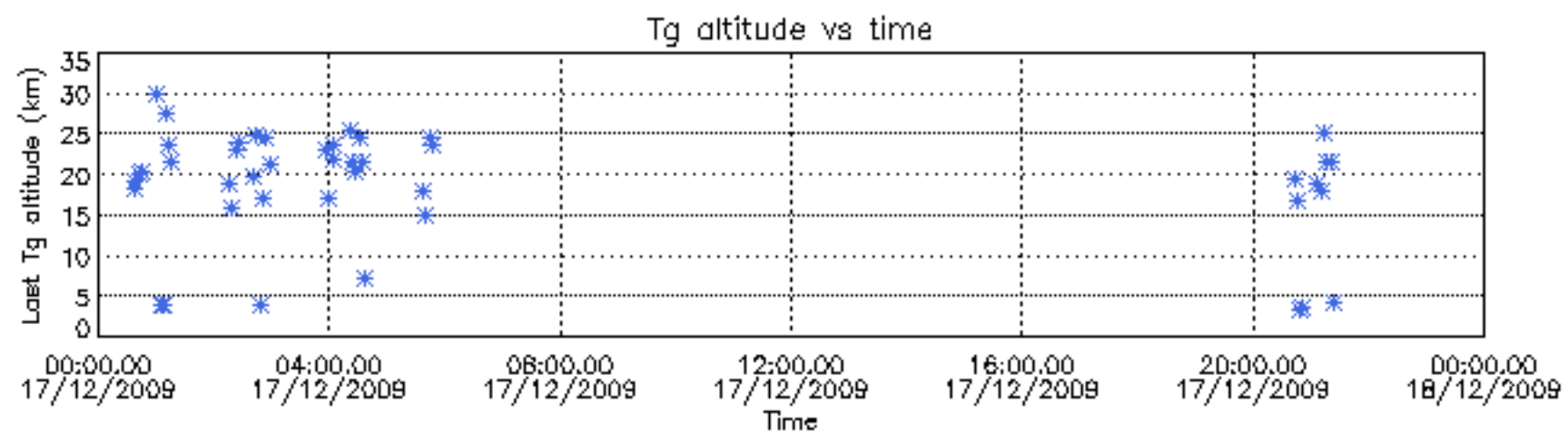
Percentage of saturation errors per profile



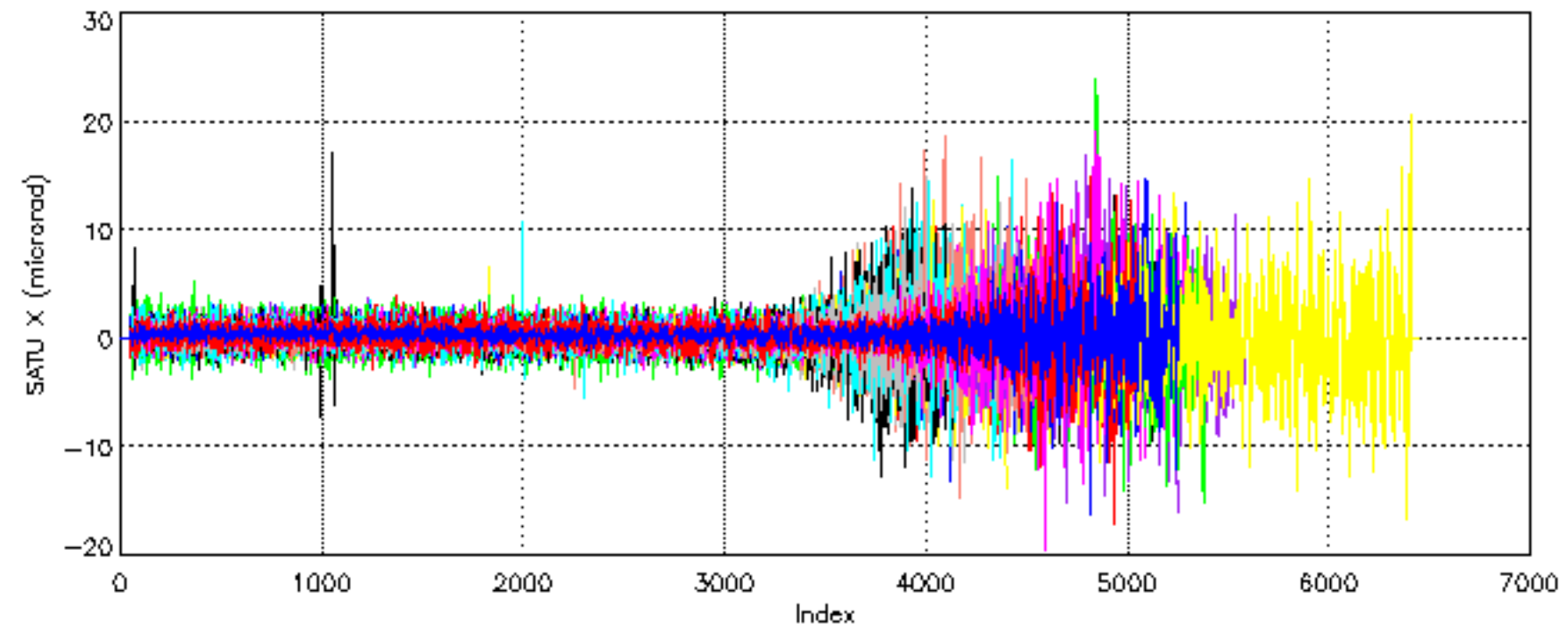
Tangent altitude at which the star is lost

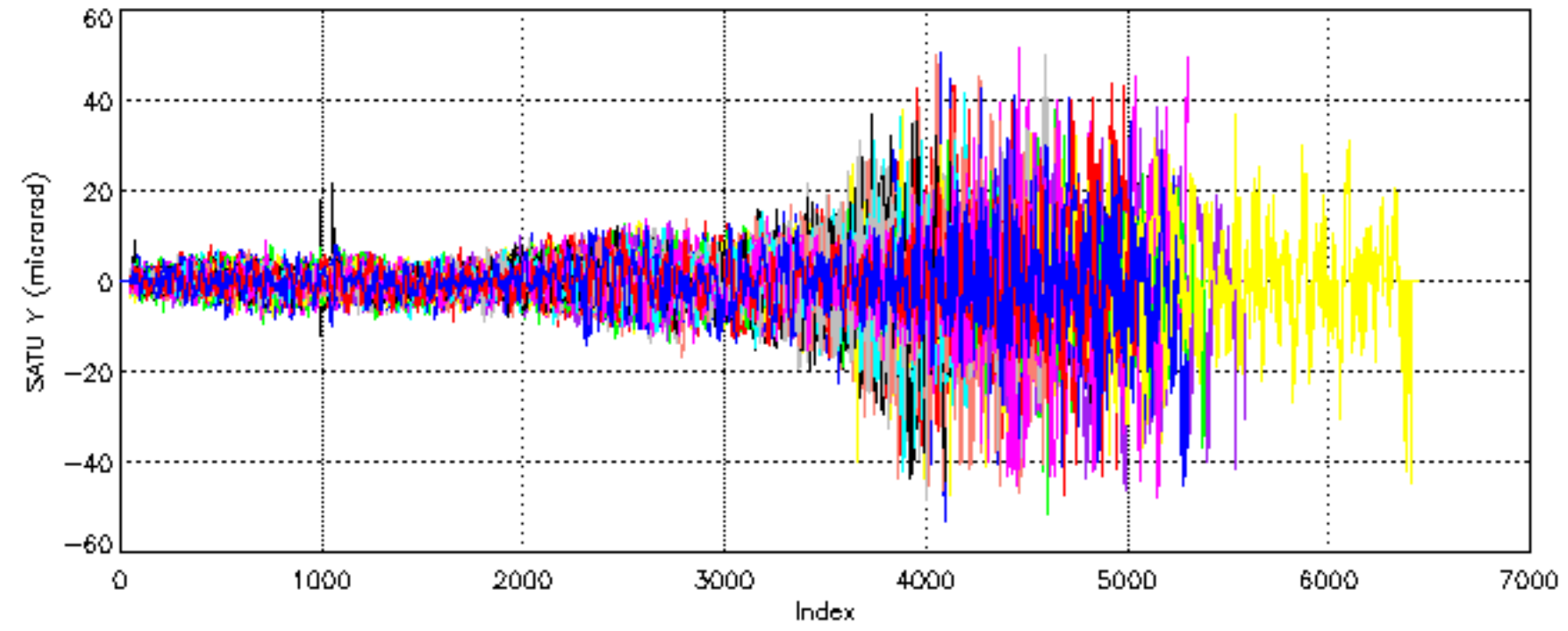


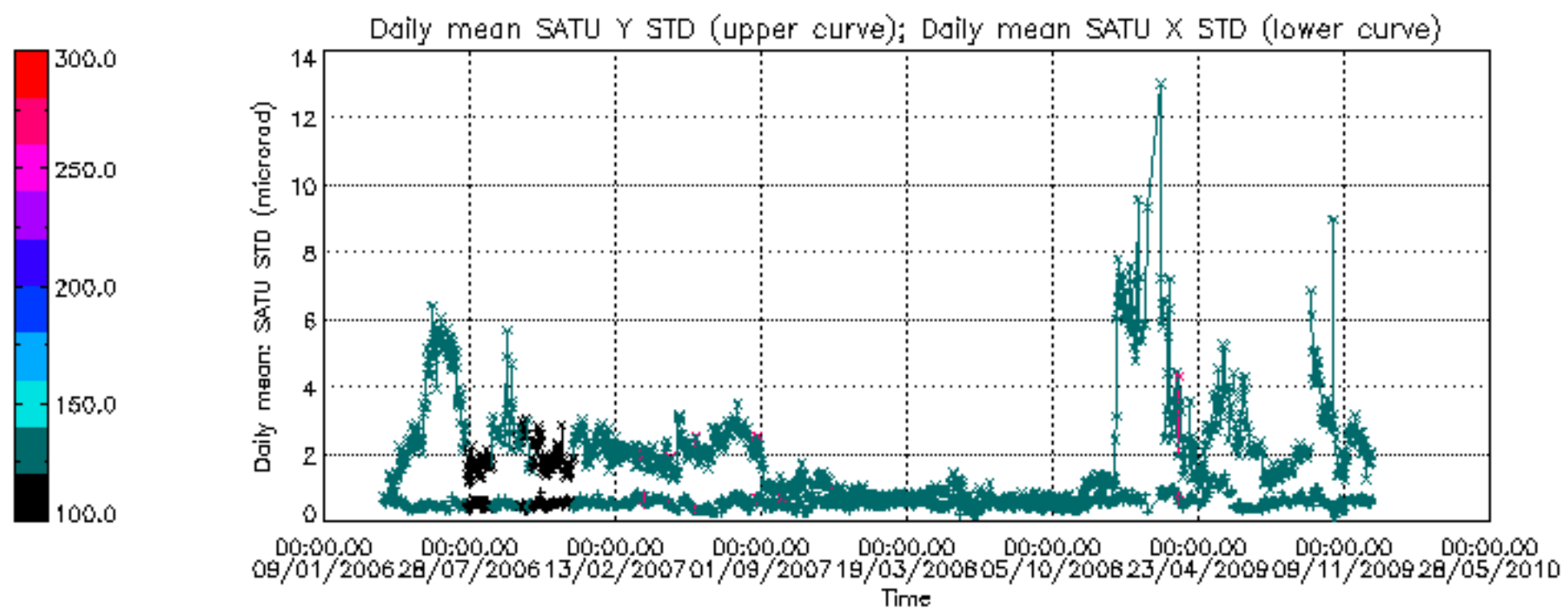
Tangent altitude at which the star is lost











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 17; 5491.7; 03-DEC-2009 15:33:46; Dark ; 51.0; 100; 4Gam Crv ; 2.58; 13100;occ; 102; 0;40574  
 18; 5587.4; 03-DEC-2009 15:35:21; Dark ; 50.5; 171; 2Eps Crv ; 3.00; 4250;occ; 101; 0;40574  
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 13; 4177.2; 03-DEC-2009 16:52:27; Bright; 52.0; 174; 52Psi UMa ; 3.00; 4400;occ; 104; 0;40575  
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 23; 6986.7; 03-DEC-2009 17:39:17; Dark ; 55.0; 117; Pi Pup ; 2.71; 3800;occ; 110; 0;40575  
 24; 7134.5; 03-DEC-2009 17:41:44; Dark ; 18.0; 88; 31Eta CMa ; 2.45; 20000;occ; 36; 0;40575

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 13; 3807.3; 03-DEC-2009 18:26:53; Bright; 46.5; 36; 50Alp UMa ; 1.80; 6300;occ; 93; 0;40576  
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 23; 6476.3; 03-DEC-2009 19:11:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40576  
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 5; 1749.8; 03-DEC-2009 19:33:12; Dark ; 55.0; 7; 19Bet Ori ; 0.10; 14000;occ; 110; 0;40577  
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 13; 3806.7; 03-DEC-2009 20:07:29; Bright; 50.5; 36; 50Alp UMa ; 1.80; 6300;occ; 101; 0;40577  
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 13; 2462.2; 04-DEC-2009 00:46:52; Bright; 37.5; 150; 44Zet Per ; 2.89; 28000;occ; 75; 0;40580  
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 22; 5146.9; 04-DEC-2009 01:31:36; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;40580

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13; 3889.4; 05-DEC-2009 20:46:13; Bright; 50.5; 82; 48Bet UMa ; 2.37; 10600;occ; 101; 0;40606  
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5; 2203.9; 08-DEC-2009 13:41:28; Dark ; 49.5; 13; 87Alp Tau ; 0.87; 3800;occ; 99; 0;40645
6; 2380.3; 08-DEC-2009 13:44:25; Bright; 48.0; 176; 23Zet Tau ; 3.02; 22000;occ; 96; 0;40645
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8; 2786.1; 08-DEC-2009 13:51:10; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;40645
9; 3779.8; 08-DEC-2009 14:07:44; Bright; 45.5; 36; 50Alp UMA ; 1.80; 6300;occ; 91; 0;40645
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11; 4141.1; 08-DEC-2009 14:13:45; Bright; 47.0; 39; 85Eta UMA ; 1.85; 24000;occ; 94; 0;40645
12; 4353.4; 08-DEC-2009 14:17:18; Bright; 44.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 89; 0;40645
13; 4700.4; 08-DEC-2009 14:23:05; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;40645
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 7; 2530.4; 08-DEC-2009 15:27:31; Bright; 44.5; 114; 3Iot Aur ; 2.69; 4600;occ; 89; 0;40646  
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 9; 3779.3; 08-DEC-2009 15:48:20; Bright; 49.0; 36; 50Alp UMa ; 1.80; 6300;occ; 98; 0;40646  
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 11; 4141.1; 08-DEC-2009 15:54:21; Bright; 52.5; 39; 85Eta UMa ; 1.85; 24000;occ; 105; 0;40646  
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 13; 4700.7; 08-DEC-2009 16:03:41; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;40646  
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 19; 5658.6; 08-DEC-2009 18:00:15; Dark ; 52.0; 171; 2Eps Crv ; 3.00; 4250;occ; 104; 0;40647  
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 23; 6854.3; 08-DEC-2009 18:20:11; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;40647  
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 8; 2378.4; 08-DEC-2009 18:46:11; Bright; 47.0; 176; 23Zet Tau ; 3.02; 22000;occ; 94; 0;40648



9; 2529.8; 08-DEC-2009 18:48:42; Bright; 44.0; 114; 3Iot Aur ; 2.69; 4600;occ; 88; 0;40648  
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13; 504.6; 09-DEC-2009 07:39:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40656
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 23; 7045.6; 09-DEC-2009 09:28:45; Dark ; 57.5; 117; Pi Pup ; 2.71; 3800;occ; 115; 0;40656  
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 25; 7255.1; 09-DEC-2009 09:32:15; Dark ; 55.0; 23; 21Eps CMa ; 1.50; 26000;occ; 110; 0;40656  
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 11; 4140.8; 09-DEC-2009 10:20:56; Bright; 55.0; 39; 85Eta UMa ; 1.85; 24000;occ; 110; 0;40657  
 12; 4353.3; 09-DEC-2009 10:24:29; Bright; 63.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 126; 0;40657  
 13; 4703.3; 09-DEC-2009 10:30:19; Bright; 37.0; 111; 8Eta Boo ; 2.68; 6000;occ; 74; 0;40657  
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 11; 4140.5; 09-DEC-2009 12:01:32; Bright; 40.5; 39; 85Eta UMa ; 1.85; 24000;occ; 81; 0;40658  
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22; 6864.7; 09-DEC-2009 14:27:32; Dark ; 55.5; 70; Zet Pup ; 2.25; 39000;occ; 111; 0;40659  
23; 7047.7; 09-DEC-2009 14:30:35; Dark ; 57.5; 117; Pi Pup ; 2.71; 3800;occ; 115; 0;40659  
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22; 6744.7; 09-DEC-2009 16:06:08; Dark ; 54.0; 34; Gam2Vel ; 1.79; 23000;occ; 108; 0;40660  
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21; 5690.1; 10-DEC-2009 18:38:08; Dark ; 49.5; 171; 2Eps Crv ; 3.00; 4250;occ; 99; 0;40676
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 12; 4710.8; 11-DEC-2009 09:27:13; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40685  
 13; 4928.1; 11-DEC-2009 09:30:50; Bright; 67.0; 138; 47Eps Vir ; 2.83; 4700;occ; 134; 0;40685  
 14; 5282.3; 11-DEC-2009 09:36:44; Dark ; 54.0; 15; 67Alp Vir ; 0.98; 28000;occ; 108; 0;40685  
 15; 5491.0; 11-DEC-2009 09:40:13; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40685  
 16; 5604.0; 11-DEC-2009 09:42:06; Dark ; 55.0; 100; 4Gam Crv ; 2.58; 13100;occ; 110; 0;40685  
 17; 5700.3; 11-DEC-2009 09:43:42; Dark ; 58.5; 171; 2Eps Crv ; 3.00; 4250;occ; 117; 0;40685  
 18; 5937.3; 11-DEC-2009 09:47:39; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;40685  
 19; 6030.3; 11-DEC-2009 09:49:12; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;40685  
 20; 6247.2; 11-DEC-2009 09:52:49; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;40685  
 21; 6491.5; 11-DEC-2009 09:56:53; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40685  
 22; 6564.3; 11-DEC-2009 09:58:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40685  
 23; 6764.1; 11-DEC-2009 10:01:26; Dark ; 52.0; 34; Gam2Vel ; 1.79; 23000;occ; 104; 0;40685  
 24; 6913.6; 11-DEC-2009 10:03:55; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;40685  
 25; 7064.5; 11-DEC-2009 10:06:26; Dark ; 55.0; 117; Pi Pup ; 2.71; 3800;occ; 110; 0;40685  
 26; 7269.8; 11-DEC-2009 10:09:52; Dark ; 55.0; 23; 21Eps CMa ; 1.50; 26000;occ; 110; 0;40685  
 27; 7563.8; 11-DEC-2009 10:14:46; Dark ; 34.5; 47; 2Bet CMa ; 1.98; 28000;occ; 69; 0;40685

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091211\_101512\_000060442085\_00051\_40686\_5740.N1

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

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

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091211\_115541\_000060572085\_00052\_40687\_5741.N1

1; 1547.5; 11-DEC-2009 11:55:41; Dark ; 35.0; 47; 2Bet CMa ; 1.98; 28000;occ; 70; 39;40687  
2; 1748.0; 11-DEC-2009 11:59:02; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;40687  
3; 1893.6; 11-DEC-2009 12:01:27; Dark ; 50.5; 30; 46Eps Ori ; 1.69; 30000;occ; 101; 0;40687  
4; 2040.0; 11-DEC-2009 12:03:54; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;40687  
5; 2196.8; 11-DEC-2009 12:06:30; Dark ; 47.5; 13; 87Alp Tau ; 0.87; 3800;occ; 95; 0;40687  
6; 2355.6; 11-DEC-2009 12:09:09; Bright; 46.5; 176; 23Zet Tau ; 3.02; 22000;occ; 93; 0;40687  
7; 2476.9; 11-DEC-2009 12:11:10; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;40687  
8; 2591.1; 11-DEC-2009 12:13:05; Bright; 36.5; 149; 45Eps Per ; 2.89; 30000;occ; 73; 0;40687  
9; 2766.6; 11-DEC-2009 12:16:00; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;40687  
10; 3760.8; 11-DEC-2009 12:32:34; Bright; 43.0; 36; 50Alp UMa ; 1.80; 6300;occ; 86; 0;40687  
11; 3995.2; 11-DEC-2009 12:36:29; Bright; 38.5; 32; 77Eps UMa ; 1.76; 11000;occ; 77; 0;40687  
12; 4140.1; 11-DEC-2009 12:38:54; Bright; 47.5; 39; 85Eta UMa ; 1.85; 24000;occ; 95; 0;40687  
13; 4331.7; 11-DEC-2009 12:42:05; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;40687  
14; 4711.5; 11-DEC-2009 12:48:25; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40687  
15; 4929.1; 11-DEC-2009 12:52:03; Bright; 68.0; 138; 47Eps Vir ; 2.83; 4700;occ; 136; 0;40687  
16; 5283.6; 11-DEC-2009 12:57:57; Dark ; 49.5; 15; 67Alp Vir ; 0.98; 28000;occ; 99; 0;40687  
17; 5492.2; 11-DEC-2009 13:01:26; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40687  
18; 5606.4; 11-DEC-2009 13:03:20; Dark ; 52.5; 100; 4Gam Crv ; 2.58; 13100;occ; 105; 0;40687  
19; 5702.6; 11-DEC-2009 13:04:56; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;40687  
20; 5938.2; 11-DEC-2009 13:08:52; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;40687  
21; 6031.6; 11-DEC-2009 13:10:25; Dark ; 39.5; 99; Del Cen ; 2.58; 26000;occ; 79; 0;40687  
22; 6249.0; 11-DEC-2009 13:14:03; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;40687  
23; 6492.6; 11-DEC-2009 13:18:06; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40687  
24; 6565.9; 11-DEC-2009 13:19:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40687  
25; 6765.8; 11-DEC-2009 13:22:39; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;40687  
26; 6914.5; 11-DEC-2009 13:25:08; Dark ; 50.0; 2; Alp Car ; -0.74; 7000;occ; 100; 0;40687  
27; 7066.0; 11-DEC-2009 13:27:40; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;40687  
28; 7270.8; 11-DEC-2009 13:31:04; Dark ; 53.0; 23; 21Eps CMa ; 1.50; 26000;occ; 106; 0;40687  
29; 7564.3; 11-DEC-2009 13:35:58; Dark ; 40.5; 47; 2Bet CMa ; 1.98; 28000;occ; 81; 0;40687

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1; 1547.4; 11-DEC-2009 13:36:17; Dark ; 41.0; 47; 2Bet CMa ; 1.98; 28000;occ; 82; 38;40688  
2; 1748.2; 11-DEC-2009 13:39:38; Dark ; 51.0; 7; 19Bet Ori ; 0.10; 14000;occ; 102; 0;40688  
3; 1893.6; 11-DEC-2009 13:42:03; Dark ; 54.0; 30; 46Eps Ori ; 1.69; 30000;occ; 108; 0;40688  
4; 2039.8; 11-DEC-2009 13:44:29; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;40688  
5; 2196.7; 11-DEC-2009 13:47:06; Dark ; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;40688  
6; 2355.0; 11-DEC-2009 13:49:44; Bright; 47.5; 176; 23Zet Tau ; 3.02; 22000;occ; 95; 0;40688  
7; 2476.3; 11-DEC-2009 13:51:46; Bright; 45.0; 28; 12Bet Tau ; 1.65; 15200;occ; 90; 0;40688  
8; 2591.1; 11-DEC-2009 13:53:41; Bright; 35.5; 149; 45Eps Per ; 2.89; 30000;occ; 71; 0;40688  
9; 2766.3; 11-DEC-2009 13:56:36; Bright; 60.0; 6; 13Alp Aur ; 0.08; 3400;occ; 120; 0;40688

10; 3760.6; 11-DEC-2009 14:13:10; Bright; 46.0; 36; 50Alp UMa ; 1.80; 6300;occ; 92; 0;40688  
 11; 3995.1; 11-DEC-2009 14:17:05; Bright; 45.0; 32; 77Eps UMa ; 1.76; 11000;occ; 90; 0;40688  
 12; 4140.3; 11-DEC-2009 14:19:30; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;40688  
 13; 4332.0; 11-DEC-2009 14:22:41; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;40688  
 14; 4711.8; 11-DEC-2009 14:29:01; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40688  
 15; 4929.8; 11-DEC-2009 14:32:39; Bright; 68.0; 138; 47Eps Vir ; 2.83; 4700;occ; 136; 0;40688  
 16; 5230.2; 11-DEC-2009 14:37:40; Dark ; 56.0; 121; 29Gam Vir ; 2.74; 7200;occ; 112; 0;40688  
 17; 5492.8; 11-DEC-2009 14:42:02; Dark ; 45.0; 169; 46Gam Hya ; 2.99; 4700;occ; 90; 0;40688  
 18; 5607.5; 11-DEC-2009 14:43:57; Dark ; 50.5; 100; 4Gam Crv ; 2.58; 13100;occ; 101; 0;40688  
 19; 5703.8; 11-DEC-2009 14:45:33; Dark ; 58.5; 171; 2Eps Crv ; 3.00; 4250;occ; 117; 0;40688  
 20; 5939.1; 11-DEC-2009 14:49:29; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40688  
 21; 6032.3; 11-DEC-2009 14:51:02; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;40688  
 22; 6249.9; 11-DEC-2009 14:54:39; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;40688  
 23; 6493.4; 11-DEC-2009 14:58:43; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40688  
 24; 6566.7; 11-DEC-2009 14:59:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40688  
 25; 6766.5; 11-DEC-2009 15:03:16; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;40688  
 26; 6915.0; 11-DEC-2009 15:05:44; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;40688  
 27; 7066.6; 11-DEC-2009 15:08:16; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;40688  
 28; 7271.4; 11-DEC-2009 15:11:41; Dark ; 57.5; 23; 21Eps CMA ; 1.50; 26000;occ; 115; 0;40688

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091211\_151634\_000057992085\_00054\_40689\_5743.N1

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  
 8; 2591.1; 11-DEC-2009 15:34:16; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;40689  
 9; 2765.9; 11-DEC-2009 15:37:11; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;40689  
 10; 3760.3; 11-DEC-2009 15:53:46; Bright; 47.0; 36; 50Alp UMa ; 1.80; 6300;occ; 94; 0;40689  
 11; 3995.0; 11-DEC-2009 15:57:40; Bright; 46.5; 32; 77Eps UMa ; 1.76; 11000;occ; 93; 0;40689  
 12; 4140.4; 11-DEC-2009 16:00:06; Bright; 56.0; 39; 85Eta UMa ; 1.85; 24000;occ; 112; 0;40689  
 13; 4332.3; 11-DEC-2009 16:03:18; Bright; 53.0; 180; 27Gam Boo ; 3.04; 8000;occ; 106; 0;40689  
 14; 4712.0; 11-DEC-2009 16:09:37; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;40689  
 15; 4930.8; 11-DEC-2009 16:13:16; Bright; 47.0; 138; 47Eps Vir ; 2.83; 4700;occ; 94; 0;40689  
 16; 5231.2; 11-DEC-2009 16:18:17; Dark ; 56.0; 121; 29Gam Vir ; 2.74; 7200;occ; 112; 0;40689  
 17; 5493.6; 11-DEC-2009 16:22:39; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40689  
 18; 5608.8; 11-DEC-2009 16:24:34; Dark ; 54.0; 100; 4Gam Crv ; 2.58; 13100;occ; 108; 0;40689  
 19; 5705.1; 11-DEC-2009 16:26:10; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;40689  
 20; 5939.6; 11-DEC-2009 16:30:05; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40689  
 21; 6033.1; 11-DEC-2009 16:31:38; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;40689  
 22; 6250.9; 11-DEC-2009 16:35:16; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40689  
 23; 6494.1; 11-DEC-2009 16:39:19; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;40689  
 24; 6567.6; 11-DEC-2009 16:40:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40689  
 25; 6767.4; 11-DEC-2009 16:43:53; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40689  
 26; 6915.2; 11-DEC-2009 16:46:21; Dark ; 48.5; 2; Alp Car ; -0.74; 7000;occ; 97; 0;40689  
 27; 7067.3; 11-DEC-2009 16:48:53; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;40689  
 28; 7271.9; 11-DEC-2009 16:52:17; Dark ; 55.5; 23; 21Eps CMA ; 1.50; 26000;occ; 111; 0;40689

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20091211\_165237\_000058682085\_00055\_40690\_5744.N1

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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 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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 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  
 7; 2346.0; 12-DEC-2009 18:19:47; Bright; 47.5; 176; 23Zet Tau ; 3.02; 22000;occ; 95; 0;40705  
 8; 2468.3; 12-DEC-2009 18:21:49; Bright; 46.0; 28; 12Bet Tau ; 1.65; 15200;occ; 92; 0;40705  
 9; 2589.8; 12-DEC-2009 18:23:50; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40705  
 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  
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 21; 5723.8; 12-DEC-2009 19:16:04; Dark ; 55.0; 171; 2Eps Crv ; 3.00; 4250;occ; 110; 0;40705  
 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  
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 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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 3; 1243.2; 12-DEC-2009 19:42:00; Dark ; 57.0; 23; 21Eps CMa ; 1.50; 26000;occ; 114; 0;40706  
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 5; 1748.3; 12-DEC-2009 19:50:25; Dark ; 49.0; 7; 19Bet Ori ; 0.10; 14000;occ; 98; 0;40706  
 6; 1890.9; 12-DEC-2009 19:52:47; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;40706  
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 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  
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 11; 2589.7; 12-DEC-2009 20:04:26; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40706  
 12; 2695.2; 12-DEC-2009 20:06:12; Bright; 48.0; 107; 37The Aur ; 2.65; 11000;occ; 96; 0;40706  
 13; 2822.9; 12-DEC-2009 20:08:19; Bright; 46.5; 42; 34Bet Aur ; 1.90; 10200;occ; 93; 0;40706  
 14; 3752.1; 12-DEC-2009 20:23:49; Bright; 48.5; 36; 50Alp UMa ; 1.80; 6300;occ; 97; 0;40706  
 15; 3992.0; 12-DEC-2009 20:27:49; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;40706  
 16; 4139.9; 12-DEC-2009 20:30:16; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;40706  
 17; 4333.5; 12-DEC-2009 20:33:30; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40706  
 18; 4716.6; 12-DEC-2009 20:39:53; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;40706  
 19; 4940.2; 12-DEC-2009 20:43:37; Bright; 53.5; 138; 47Eps Vir ; 2.83; 4700;occ; 107; 0;40706

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1; -740.3; 12-DEC-2009 20:49:32; Dark ; 45.0; 15; 67Alp Vir ; 0.98; 28000;occ; 90; 0;40706  
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 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  
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9; 544.8; 12-DEC-2009 21:10:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40707  
10; 744.0; 12-DEC-2009 21:14:16; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;40707  
11; 886.5; 12-DEC-2009 21:16:39; Dark ; 56.0; 2; Alp Car ;-0.74; 7000;occ; 112; 0;40707  
12; 1041.6; 12-DEC-2009 21:19:14; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;40707  
13; 1243.7; 12-DEC-2009 21:22:36; Dark ; 55.0; 23; 21Eps CMA ; 1.50; 26000;occ; 110; 0;40707  
14; 1530.8; 12-DEC-2009 21:27:23; Dark ; 54.0; 47; 2Bet CMA ; 1.98; 28000;occ; 108; 0;40707  
15; 1748.4; 12-DEC-2009 21:31:01; Dark ; 53.0; 7; 19Bet Ori ; 0.10; 14000;occ; 106; 0;40707  
16; 1890.6; 12-DEC-2009 21:33:23; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40707  
17; 2035.2; 12-DEC-2009 21:35:48; Dark ; 49.5; 27; 24Gam Ori ; 1.64; 26000;occ; 99; 0;40707  
18; 2194.4; 12-DEC-2009 21:38:27; Dark ; 47.0; 13; 87Alp Tau ; 0.87; 3800;occ; 94; 0;40707  
19; 2345.0; 12-DEC-2009 21:40:57; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;40707  
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21; 2589.5; 12-DEC-2009 21:45:02; Bright; 37.5; 149; 45Eps Per ; 2.89; 30000;occ; 75; 0;40707  
22; 2694.5; 12-DEC-2009 21:46:47; Bright; 46.0; 107; 37The Aur ; 2.65; 11000;occ; 92; 0;40707  
23; 2822.1; 12-DEC-2009 21:48:55; Bright; 66.0; 42; 34Bet Aur ; 1.90; 10200;occ; 132; 0;40707  
24; 3751.7; 12-DEC-2009 22:04:24; Bright; 48.0; 36; 50Alp UMa ; 1.80; 6300;occ; 96; 0;40707  
25; 3991.9; 12-DEC-2009 22:08:24; Bright; 45.0; 32; 77Eps UMa ; 1.76; 11000;occ; 90; 0;40707  
26; 4139.7; 12-DEC-2009 22:10:52; Bright; 57.0; 39; 85Eta UMa ; 1.85; 24000;occ; 114; 0;40707  
27; 4333.8; 12-DEC-2009 22:14:06; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40707  
28; 4716.9; 12-DEC-2009 22:20:29; Bright; 39.0; 111; 8Eta Boo ; 2.68; 6000;occ; 78; 0;40707  
29; 4940.7; 12-DEC-2009 22:24:13; Bright; 54.0; 138; 47Eps Vir ; 2.83; 4700;occ; 108; 0;40707  
30; 5296.0; 12-DEC-2009 22:30:09; Dark ; 44.0; 15; 67Alp Vir ; 0.98; 28000;occ; 88; 0;40707

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3; -405.7; 12-DEC-2009 22:35:43; Dark ; 53.5; 100; 4Gam Crv ; 2.58; 13100;occ; 107; 0;40707  
4; -309.6; 12-DEC-2009 22:37:19; Dark ; 63.0; 171; 2Eps Crv ; 3.00; 4250;occ; 126; 0;40707  
5; -85.9; 12-DEC-2009 22:41:02; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;40707  
6; 8.7; 12-DEC-2009 22:42:37; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40708  
7; 230.5; 12-DEC-2009 22:46:19; Dark ; 42.0; 113; Mu Vel ; 2.69; 5000;occ; 84; 0;40708  
8; 469.4; 12-DEC-2009 22:50:18; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;40708  
9; 545.6; 12-DEC-2009 22:51:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40708  
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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  
14; 1530.9; 12-DEC-2009 23:07:59; Dark ; 53.0; 47; 2Bet CMA ; 1.98; 28000;occ; 106; 0;40708  
15; 1748.3; 12-DEC-2009 23:11:37; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;40708  
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17; 2035.0; 12-DEC-2009 23:16:23; Dark ; 51.0; 27; 24Gam Ori ; 1.64; 26000;occ; 102; 0;40708  
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19; 2344.7; 12-DEC-2009 23:21:33; Bright; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;40708  
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22; 2693.9; 12-DEC-2009 23:27:22; Bright; 66.0; 107; 37The Aur ; 2.65; 11000;occ; 132; 0;40708  
23; 2821.5; 12-DEC-2009 23:29:30; Bright; 44.5; 42; 34Bet Aur ; 1.90; 10200;occ; 89; 0;40708  
24; 3751.3; 12-DEC-2009 23:45:00; Bright; 43.0; 36; 50Alp UMa ; 1.80; 6300;occ; 86; 0;40708  
25; 3991.3; 12-DEC-2009 23:49:00; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;40708  
26; 4139.5; 12-DEC-2009 23:51:28; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;40708  
27; 4334.0; 12-DEC-2009 23:54:42; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;40708  
28; 4717.3; 13-DEC-2009 00:01:06; Bright; 38.5; 111; 8Eta Boo ; 2.68; 6000;occ; 77; 0;40708  
29; 4941.2; 13-DEC-2009 00:04:50; Bright; 70.0; 138; 47Eps Vir ; 2.83; 4700;occ; 140; 0;40708  
30; 5296.7; 13-DEC-2009 00:10:45; Dark ; 48.0; 15; 67Alp Vir ; 0.98; 28000;occ; 96; 0;40708

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4; -85.5; 13-DEC-2009 00:21:39; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40708  
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6; 231.4; 13-DEC-2009 00:26:56; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;40709  
7; 470.0; 13-DEC-2009 00:30:54; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;40709  
8; 546.4; 13-DEC-2009 00:32:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40709  
9; 745.4; 13-DEC-2009 00:35:30; Dark ; 52.0; 34; Gam2Vel ; 1.79; 23000;occ; 104; 0;40709  
10; 887.1; 13-DEC-2009 00:37:51; Dark ; 52.0; 2; Alp Car ;-0.74; 7000;occ; 104; 0;40709  
11; 1042.9; 13-DEC-2009 00:40:27; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;40709  
12; 1244.5; 13-DEC-2009 00:43:49; Dark ; 53.0; 23; 21Eps CMA ; 1.50; 26000;occ; 106; 0;40709  
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17; 2194.0; 13-DEC-2009 00:59:38; Dark ; 48.5; 13; 87Alp Tau ; 0.87; 3800;occ; 97; 0;40709
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19; 2466.2; 13-DEC-2009 01:04:10; Bright; 45.0; 28; 12Bet Tau ; 1.65; 15200;occ; 90; 0;40709
20; 2589.4; 13-DEC-2009 01:06:14; Bright; 35.5; 149; 45Eps Per ; 2.89; 30000;occ; 71; 0;40709
21; 2693.0; 13-DEC-2009 01:07:57; Bright; 47.5; 107; 37The Aur ; 2.65; 11000;occ; 95; 0;40709
22; 2820.7; 13-DEC-2009 01:10:05; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;40709
23; 3750.6; 13-DEC-2009 01:25:35; Bright; 49.0; 36; 50Alp UMa ; 1.80; 6300;occ; 98; 0;40709
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6; 10.1; 13-DEC-2009 02:03:50; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;40710
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8; 470.7; 13-DEC-2009 02:11:31; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;40710
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12; 1043.5; 13-DEC-2009 02:21:04; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;40710
13; 1245.0; 13-DEC-2009 02:24:25; Dark ; 56.5; 23; 21Eps CMa ; 1.50; 26000;occ; 113; 0;40710
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17; 2034.5; 13-DEC-2009 02:37:35; Dark ; 50.5; 27; 24Gam Ori ; 1.64; 26000;occ; 101; 0;40710
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13; 4334.7; 13-DEC-2009 11:38:55; Bright; 54.0; 180; 27Gam Boo ; 3.04; 8000;occ; 108; 0;40715
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 18; 5693.0; 16-DEC-2009 10:26:42; Dark ; 56.5; 106; 9Bet Crv ; 2.65; 5600;occ; 113; 0;40757  
 19; 5790.0; 16-DEC-2009 10:28:19; Dark ; 53.0; 171; 2Eps Crv ; 3.00; 4250;occ; 106; 0;40757  
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 22; 6310.8; 16-DEC-2009 10:37:00; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40757  
 23; 6536.5; 16-DEC-2009 10:40:46; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;40757  
 24; 6619.4; 16-DEC-2009 10:42:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40757  
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 26; 6945.0; 16-DEC-2009 10:47:34; Dark ; 49.5; 70; Zet Pup ; 2.25; 39000;occ; 99; 0;40757  
 27; 7107.4; 16-DEC-2009 10:50:17; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;40757  
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 29; 7301.9; 16-DEC-2009 10:53:31; Dark ; 54.0; 23; 21Eps CMa ; 1.50; 26000;occ; 108; 0;40757  
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9; 2791.4; 16-DEC-2009 11:18:57; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;40758
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11; 3981.2; 16-DEC-2009 11:38:46; Bright; 43.0; 32; 77Eps UMa ; 1.76; 11000;occ; 86; 0;40758
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15; 4732.4; 16-DEC-2009 11:51:18; Bright; 40.5; 111; 8Eta Boo ; 2.68; 6000;occ; 81; 0;40758
16; 4973.5; 16-DEC-2009 11:55:19; Bright; 39.0; 138; 47Eps Vir ; 2.83; 4700;occ; 78; 0;40758
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22; 6079.5; 16-DEC-2009 12:13:45; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40758
23; 6311.6; 16-DEC-2009 12:17:37; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40758
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27; 6945.6; 16-DEC-2009 12:28:11; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;40758
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29; 7252.6; 16-DEC-2009 12:33:18; Dark ; 30.0; 88; 31Eta CMa ; 2.45; 20000;occ; 60; 0;40758
30; 7302.4; 16-DEC-2009 12:34:08; Dark ; 52.0; 23; 21Eps CMa ; 1.50; 26000;occ; 104; 0;40758
31; 7574.3; 16-DEC-2009 12:38:40; Dark ; 48.5; 47; 2Bet CMa ; 1.98; 28000;occ; 97; 0;40758
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9; 2791.0; 16-DEC-2009 12:59:32; Bright; 42.5; 42; 34Bet Aur ; 1.90; 10200;occ; 85; 0;40759
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13; 4338.9; 16-DEC-2009 13:25:20; Bright; 55.0; 180; 27Gam Boo ; 3.04; 8000;occ; 110; 0;40759
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19; 5695.2; 16-DEC-2009 13:47:56; Dark ; 49.5; 106; 9Bet Crv ; 2.65; 5600;occ; 99; 0;40759
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22; 6080.3; 16-DEC-2009 13:54:21; Dark ; 39.5; 99; Del Cen ; 2.58; 26000;occ; 79; 0;40759
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25; 6620.9; 16-DEC-2009 14:03:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40759
26; 6818.5; 16-DEC-2009 14:06:40; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40759
27; 6946.4; 16-DEC-2009 14:08:48; Dark ; 52.0; 70; Zet Pup ; 2.25; 39000;occ; 104; 0;40759
28; 7108.6; 16-DEC-2009 14:11:30; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;40759
29; 7253.3; 16-DEC-2009 14:13:54; Dark ; 34.0; 88; 31Eta CMa ; 2.45; 20000;occ; 68; 0;40759
30; 7344.4; 16-DEC-2009 14:15:26; Dark ; 54.0; 37; 25Del CMa ; 1.83; 5900;occ; 108; 0;40759
31; 7574.5; 16-DEC-2009 14:19:16; Dark ; 31.5; 47; 2Bet CMa ; 1.98; 28000;occ; 63; 0;40759
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3; 1884.5; 16-DEC-2009 14:25:02; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;40760
4; 2072.0; 16-DEC-2009 14:28:09; Dark ; 57.0; 14; 58Alp Ori ; 0.87; 3000;occ; 114; 0;40760
5; 2189.9; 16-DEC-2009 14:30:07; Dark ; 49.5; 13; 87Alp Tau ; 0.87; 3800;occ; 99; 0;40760
6; 2321.9; 16-DEC-2009 14:32:19; Bright; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;40760
7; 2445.0; 16-DEC-2009 14:34:22; Bright; 44.0; 28; 12Bet Tau ; 1.65; 15200;occ; 88; 0;40760
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 11; 3981.0; 16-DEC-2009 14:59:58; Bright; 45.5; 32; 77Eps UMa ; 1.76; 11000;occ; 91; 0;40760  
 12; 4137.1; 16-DEC-2009 15:02:34; Bright; 47.0; 39; 85Eta UMa ; 1.85; 24000;occ; 94; 0;40760  
 13; 4339.2; 16-DEC-2009 15:05:56; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40760  
 14; 4532.5; 16-DEC-2009 15:09:10; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;40760  
 15; 4733.2; 16-DEC-2009 15:12:30; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;40760  
 16; 4974.8; 16-DEC-2009 15:16:32; Bright; 30.0; 138; 47Eps Vir ; 2.83; 4700;occ; 60; 0;40760  
 17; 5333.3; 16-DEC-2009 15:22:30; Dark ; 53.5; 15; 67Alp Vir ; 0.98; 28000;occ; 107; 0;40760  
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 11; 2789.7; 16-DEC-2009 16:20:43; Bright; 46.0; 42; 34Bet Aur ; 1.90; 10200;occ; 92; 0;40761  
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 13; 3980.7; 16-DEC-2009 16:40:34; Bright; 42.0; 32; 77Eps UMa ; 1.76; 11000;occ; 84; 0;40761  
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 9; 2321.0; 16-DEC-2009 17:53:30; Bright; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;40762  
 10; 2444.3; 16-DEC-2009 17:55:33; Bright; 60.0; 28; 12Bet Tau ; 1.65; 15200;occ; 120; 0;40762  
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 13; 3704.7; 16-DEC-2009 18:16:34; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;40762  
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 2; 1540.7; 17-DEC-2009 15:28:17; Dark ; 50.5; 47; 2Bet CMA ; 1.98; 28000;occ; 101; 0;40775  
 3; 1751.0; 17-DEC-2009 15:31:47; Dark ; 52.5; 7; 19Bet Ori ; 0.10; 14000;occ; 105; 0;40775  
 4; 1883.1; 17-DEC-2009 15:33:59; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;40775  
 5; 2067.4; 17-DEC-2009 15:37:04; Dark ; 65.0; 14; 58Alp Ori ; 0.87; 3000;occ; 130; 0;40775  
 6; 2189.1; 17-DEC-2009 15:39:05; Dark ; 52.5; 13; 87Alp Tau ; 0.87; 3800;occ; 105; 0;40775  
 7; 2316.0; 17-DEC-2009 15:41:12; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;40775  
 8; 2439.5; 17-DEC-2009 15:43:16; Bright; 44.0; 28; 12Bet Tau ; 1.65; 15200;occ; 88; 0;40775  
 9; 2651.0; 17-DEC-2009 15:46:47; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;40775  
 10; 2782.0; 17-DEC-2009 15:48:58; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;40775  
 11; 3704.2; 17-DEC-2009 16:04:20; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;40775  
 12; 3977.4; 17-DEC-2009 16:08:54; Bright; 62.0; 32; 77Eps UMa ; 1.76; 11000;occ; 124; 0;40775  
 13; 4136.1; 17-DEC-2009 16:11:32; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;40775  
 14; 4340.5; 17-DEC-2009 16:14:57; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40775  
 15; 4535.1; 17-DEC-2009 16:18:11; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;40775  
 16; 4738.2; 17-DEC-2009 16:21:34; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;40775  
 17; 5344.7; 17-DEC-2009 16:31:41; Dark ; 54.5; 15; 67Alp Vir ; 0.98; 28000;occ; 109; 0;40775  
 18; 5555.2; 17-DEC-2009 16:35:11; Dark ; 48.5; 169; 46Gam Hya ; 2.99; 4700;occ; 97; 0;40775  
 19; 5712.9; 17-DEC-2009 16:37:49; Dark ; 58.0; 106; 9Bet Crv ; 2.65; 5600;occ; 116; 0;40775  
 20; 5992.1; 17-DEC-2009 16:42:28; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;40775  
 21; 6091.6; 17-DEC-2009 16:44:08; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40775  
 22; 6327.1; 17-DEC-2009 16:48:03; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;40775  
 23; 6547.7; 17-DEC-2009 16:51:44; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;40775  
 24; 6632.8; 17-DEC-2009 16:53:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40775  
 25; 6829.6; 17-DEC-2009 16:56:26; Dark ; 54.0; 34; Gam2Vel ; 1.79; 23000;occ; 108; 0;40775  
 26; 6958.2; 17-DEC-2009 16:58:34; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;40775  
 27; 7117.5; 17-DEC-2009 17:01:14; Dark ; 50.5; 117; Pi Pup ; 2.71; 3800;occ; 101; 0;40775

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 4; 1751.1; 17-DEC-2009 17:12:23; Dark ; 46.5; 7; 19Bet Ori ; 0.10; 14000;occ; 93; 0;40776  
 5; 1882.9; 17-DEC-2009 17:14:35; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;40776  
 6; 2067.1; 17-DEC-2009 17:17:39; Dark ; 57.5; 14; 58Alp Ori ; 0.87; 3000;occ; 115; 0;40776  
 7; 2189.1; 17-DEC-2009 17:19:41; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;40776  
 8; 2315.8; 17-DEC-2009 17:21:48; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;40776  
 9; 2439.2; 17-DEC-2009 17:23:51; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;40776  
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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  
 12; 3704.1; 17-DEC-2009 17:44:56; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;40776  
 13; 3977.1; 17-DEC-2009 17:49:29; Bright; 56.0; 32; 77Eps UMa ; 1.76; 11000;occ; 112; 0;40776  
 14; 4136.2; 17-DEC-2009 17:52:08; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;40776  
 15; 4340.5; 17-DEC-2009 17:55:33; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;40776  
 16; 4535.5; 17-DEC-2009 17:58:48; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;40776  
 17; 4738.4; 17-DEC-2009 18:02:11; Bright; 41.5; 111; 8Eta Boo ; 2.68; 6000;occ; 83; 0;40776  
 18; 5345.4; 17-DEC-2009 18:12:18; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;40776  
 19; 5556.2; 17-DEC-2009 18:15:48; Dark ; 46.5; 169; 46Gam Hya ; 2.99; 4700;occ; 93; 0;40776  
 20; 5714.2; 17-DEC-2009 18:18:26; Dark ; 51.5; 106; 9Bet Crv ; 2.65; 5600;occ; 103; 0;40776  
 21; 5992.9; 17-DEC-2009 18:23:05; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40776  
 22; 6092.2; 17-DEC-2009 18:24:44; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40776  
 23; 6327.9; 17-DEC-2009 18:28:40; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40776  
 24; 6548.4; 17-DEC-2009 18:32:21; Dark ; 44.0; 71; Iot Car ; 2.25; 7700;occ; 88; 0;40776  
 25; 6633.5; 17-DEC-2009 18:33:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40776  
 26; 6830.3; 17-DEC-2009 18:37:03; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;40776  
 27; 6959.2; 17-DEC-2009 18:39:11; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;40776

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1; 1082.0; 17-DEC-2009 18:41:50; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;40777  
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5; 1751.1; 17-DEC-2009 18:52:59; Dark ; 46.0; 7; 19Bet Ori ; 0.10; 14000;occ; 92; 0;40777  
6; 1883.0; 17-DEC-2009 18:55:11; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;40777  
7; 2066.6; 17-DEC-2009 18:58:15; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;40777  
8; 2189.1; 17-DEC-2009 19:00:17; Dark ; 44.5; 13; 87Alp Tau ; 0.87; 3800;occ; 89; 0;40777  
9; 2315.1; 17-DEC-2009 19:02:23; Bright; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;40777  
10; 2438.6; 17-DEC-2009 19:04:27; Bright; 56.5; 28; 12Bet Tau ; 1.65; 15200;occ; 113; 0;40777  
11; 2649.6; 17-DEC-2009 19:07:58; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;40777  
12; 2780.9; 17-DEC-2009 19:10:09; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;40777  
13; 3704.1; 17-DEC-2009 19:25:32; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40777  
14; 3977.1; 17-DEC-2009 19:30:05; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;40777  
15; 4136.1; 17-DEC-2009 19:32:44; Bright; 58.0; 39; 85Eta UMa ; 1.85; 24000;occ; 116; 0;40777  
16; 4340.3; 17-DEC-2009 19:36:09; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;40777  
17; 4535.6; 17-DEC-2009 19:39:24; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;40777  
18; 4738.7; 17-DEC-2009 19:42:47; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;40777  
19; 5346.1; 17-DEC-2009 19:52:54; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;40777  
20; 5556.6; 17-DEC-2009 19:56:25; Dark ; 45.0; 169; 46Gam Hya ; 2.99; 4700;occ; 90; 0;40777  
21; 5715.4; 17-DEC-2009 19:59:04; Dark ; 55.0; 106; 9Bet Crv ; 2.65; 5600;occ; 110; 0;40777  
22; 5993.2; 17-DEC-2009 20:03:41; Dark ; 50.5; 64; Gam Cen ; 2.20; 10600;occ; 101; 0;40777  
23; 6092.8; 17-DEC-2009 20:05:21; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;40777  
24; 6328.7; 17-DEC-2009 20:09:17; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40777  
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26; 6634.2; 17-DEC-2009 20:14:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40777  
27; 6831.0; 17-DEC-2009 20:17:39; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;40777

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1; -687.4; 18-DEC-2009 00:54:44; Dark ; 54.5; 15; 67Alp Vir ; 0.98; 28000;occ; 109; 0;40780  
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3; 59.1; 18-DEC-2009 01:07:11; Dark ; 42.5; 99; Del Cen ; 2.58; 26000;occ; 85; 0;40781  
4; 295.4; 18-DEC-2009 01:11:07; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;40781  
5; 514.6; 18-DEC-2009 01:14:46; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;40781  
6; 600.5; 18-DEC-2009 01:16:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40781  
7; 797.0; 18-DEC-2009 01:19:29; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40781  
8; 926.0; 18-DEC-2009 01:21:38; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;40781  
9; 1084.0; 18-DEC-2009 01:24:16; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;40781  
10; 1275.5; 18-DEC-2009 01:27:27; Dark ; 51.0; 23; 21Eps CMa ; 1.50; 26000;occ; 102; 0;40781  
11; 1381.0; 18-DEC-2009 01:29:13; Dark ; 52.0; 179; 240mi2CMa ; 3.03; 24000;occ; 104; 0;40781  
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13; 1751.1; 18-DEC-2009 01:35:23; Dark ; 48.0; 7; 19Bet Ori ; 0.10; 14000;occ; 96; 0;40781  
14; 1882.5; 18-DEC-2009 01:37:34; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;40781  
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19; 2647.4; 18-DEC-2009 01:50:19; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;40781  
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22; 3975.9; 18-DEC-2009 02:12:28; Bright; 62.0; 32; 77Eps UMa ; 1.76; 11000;occ; 124; 0;40781  
23; 4135.7; 18-DEC-2009 02:15:08; Bright; 16.5; 39; 85Eta UMa ; 1.85; 24000;occ; 33; 0;40781

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7; -316.0; 18-DEC-2009 02:41:32; Dark ; 59.0; 106; 9Bet Crv ; 2.65; 5600;occ; 118; 0;40781  
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10; 296.3; 18-DEC-2009 02:51:44; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;40782  
11; 515.4; 18-DEC-2009 02:55:23; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;40782  
12; 601.2; 18-DEC-2009 02:56:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40782  
13; 797.7; 18-DEC-2009 03:00:05; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40782  
14; 926.5; 18-DEC-2009 03:02:14; Dark ; 48.0; 70; Zet Pup ; 2.25; 39000;occ; 96; 0;40782  
15; 1084.5; 18-DEC-2009 03:04:52; Dark ; 53.0; 117; Pi Pup ; 2.71; 3800;occ; 106; 0;40782  
16; 1275.8; 18-DEC-2009 03:08:04; Dark ; 53.5; 23; 21Eps CMa ; 1.50; 26000;occ; 107; 0;40782  
17; 1381.2; 18-DEC-2009 03:09:49; Dark ; 53.0; 179; 240mi2CMa ; 3.03; 24000;occ; 106; 0;40782  
18; 1558.1; 18-DEC-2009 03:12:46; Dark ; 45.0; 1; 9Alp CMa ; -1.44; 11000;occ; 90; 0;40782  
19; 1751.3; 18-DEC-2009 03:15:59; Dark ; 47.0; 7; 19Bet Ori ; 0.10; 14000;occ; 94; 0;40782  
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22; 2188.7; 18-DEC-2009 03:23:16; Dark ; 46.5; 13; 87Alp Tau ; 0.87; 3800;occ; 93; 0;40782
23; 2313.3; 18-DEC-2009 03:25:21; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;40782
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 13; 4135.1; 18-DEC-2009 15:39:54; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;40789  
 14; 4341.2; 18-DEC-2009 15:43:21; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;40789  
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 22; 2727.1; 19-DEC-2009 01:20:02; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;40795  
 23; 3703.2; 19-DEC-2009 01:36:18; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40795  
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 26; 4341.7; 19-DEC-2009 01:46:57; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;40795  
 27; 4538.5; 19-DEC-2009 01:50:13; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;40795  
 28; 4744.6; 19-DEC-2009 01:53:40; Bright; 42.5; 111; 8Eta Boo ; 2.68; 6000;occ; 85; 0;40795

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 16; 1881.3; 19-DEC-2009 02:46:32; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;40796  
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 23; 4127.5; 24-DEC-2009 00:45:54; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40866  
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12; 4346.9; 23-DEC-2009 11:24:46; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;40858
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8; 2608.3; 23-DEC-2009 14:16:59; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;40860  
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10; 3700.7; 23-DEC-2009 14:35:11; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;40860  
11; 3954.7; 23-DEC-2009 14:39:25; Bright; 47.5; 32; 77Eps UMa ; 1.76; 11000;occ; 95; 0;40860  
12; 4128.2; 23-DEC-2009 14:42:19; Bright; 40.0; 39; 85Eta UMa ; 1.85; 24000;occ; 80; 0;40860  
13; 4347.2; 23-DEC-2009 14:45:58; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;40860  
14; 4550.5; 23-DEC-2009 14:49:21; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;40860  
15; 4768.9; 23-DEC-2009 14:53:00; Bright; 66.0; 111; 8Eta Boo ; 2.68; 6000;occ; 132; 0;40860  
16; 5418.8; 23-DEC-2009 15:03:50; Dark ; 53.5; 15; 67Alp Vir ; 0.98; 28000;occ; 107; 0;40860  
17; 5690.3; 23-DEC-2009 15:08:21; Dark ; 44.0; 54; 5The Cen ; 2.06; 4500;occ; 88; 0;40860  
18; 5819.7; 23-DEC-2009 15:10:30; Dark ; 36.0; 106; 9Bet Crv ; 2.65; 5600;occ; 72; 0;40860  
19; 6050.2; 23-DEC-2009 15:14:21; Dark ; 42.5; 64; Gam Cen ; 2.20; 10600;occ; 85; 0;40860  
20; 6137.7; 23-DEC-2009 15:15:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40860  
21; 6404.0; 23-DEC-2009 15:20:15; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40860  
22; 6598.8; 23-DEC-2009 15:23:29; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;40860  
23; 6704.7; 23-DEC-2009 15:25:15; Dark ; 51.0; 41; Eps Car ; 1.86; 4100;occ; 102; 0;40860  
24; 6884.9; 23-DEC-2009 15:28:16; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40860  
25; 7016.0; 23-DEC-2009 15:30:27; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;40860  
26; 7159.1; 23-DEC-2009 15:32:50; Dark ; 49.0; 117; Pi Pup ; 2.71; 3800;occ; 98; 0;40860

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1; 1164.2; 23-DEC-2009 15:33:31; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 82;40861  
2; 1304.5; 23-DEC-2009 15:35:51; Dark ; 49.5; 23; 21Eps CMa ; 1.50; 26000;occ; 99; 0;40861  
3; 1404.2; 23-DEC-2009 15:37:31; Dark ; 47.5; 179; 240mi2CMa ; 3.03; 24000;occ; 95; 0;40861  
4; 1567.2; 23-DEC-2009 15:40:14; Dark ; 54.5; 1; 9Alp CMa ; -1.44; 11000;occ; 109; 0;40861  
5; 1756.9; 23-DEC-2009 15:43:24; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;40861  
6; 1879.0; 23-DEC-2009 15:45:26; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;40861  
7; 2046.8; 23-DEC-2009 15:48:13; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;40861  
8; 2290.2; 23-DEC-2009 15:52:17; Bright; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;40861  
9; 2415.1; 23-DEC-2009 15:54:22; Bright; 41.0; 28; 12Bet Tau ; 1.65; 15200;occ; 82; 0;40861  
10; 2607.7; 23-DEC-2009 15:57:34; Bright; 41.0; 107; 37The Aur ; 2.65; 11000;occ; 82; 0;40861  
11; 2710.4; 23-DEC-2009 15:59:17; Bright; 44.0; 6; 13Alp Aur ; 0.08; 3400;occ; 88; 0;40861  
12; 3700.5; 23-DEC-2009 16:15:47; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;40861  
13; 3954.3; 23-DEC-2009 16:20:01; Bright; 65.0; 32; 77Eps UMa ; 1.76; 11000;occ; 130; 0;40861  
14; 4128.1; 23-DEC-2009 16:22:55; Bright; 44.5; 39; 85Eta UMa ; 1.85; 24000;occ; 89; 0;40861  
15; 4347.2; 23-DEC-2009 16:26:34; Bright; 46.5; 180; 27Gam Boo ; 3.04; 8000;occ; 93; 0;40861  
16; 4550.6; 23-DEC-2009 16:29:57; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;40861  
17; 4769.7; 23-DEC-2009 16:33:36; Bright; 46.5; 111; 8Eta Boo ; 2.68; 6000;occ; 93; 0;40861  
18; 5419.9; 23-DEC-2009 16:44:27; Dark ; 56.0; 15; 67Alp Vir ; 0.98; 28000;occ; 112; 0;40861  
19; 5690.8; 23-DEC-2009 16:48:57; Dark ; 43.5; 54; 5The Cen ; 2.06; 4500;occ; 87; 0;40861  
20; 5821.0; 23-DEC-2009 16:51:08; Dark ; 36.0; 106; 9Bet Crv ; 2.65; 5600;occ; 72; 0;40861  
21; 6050.9; 23-DEC-2009 16:54:58; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40861  
22; 6138.6; 23-DEC-2009 16:56:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40861  
23; 6404.9; 23-DEC-2009 17:00:52; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40861  
24; 6599.5; 23-DEC-2009 17:04:06; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;40861  
25; 6705.3; 23-DEC-2009 17:05:52; Dark ; 47.0; 41; Eps Car ; 1.86; 4100;occ; 94; 0;40861  
26; 6885.5; 23-DEC-2009 17:08:52; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;40861  
27; 7016.6; 23-DEC-2009 17:11:03; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;40861  
28; 7160.0; 23-DEC-2009 17:13:27; Dark ; 3.0; 117; Pi Pup ; 2.71; 3800;occ; 6; 0;40861

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1; 1012.6; 23-DEC-2009 17:11:35; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 64;40862  
2; 1124.0; 23-DEC-2009 17:13:27; Dark ; 50.5; 117; Pi Pup ; 2.71; 3800;occ; 101; 0;40862  
3; 1305.1; 23-DEC-2009 17:16:28; Dark ; 50.5; 23; 21Eps CMa ; 1.50; 26000;occ; 101; 0;40862  
4; 1404.4; 23-DEC-2009 17:18:07; Dark ; 50.0; 179; 240mi2CMa ; 3.03; 24000;occ; 100; 0;40862  
5; 1567.5; 23-DEC-2009 17:20:50; Dark ; 56.0; 1; 9Alp CMa ; -1.44; 11000;occ; 112; 0;40862  
6; 1757.0; 23-DEC-2009 17:24:00; Dark ; 46.0; 7; 19Bet Ori ; 0.10; 14000;occ; 92; 0;40862  
7; 1879.0; 23-DEC-2009 17:26:02; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;40862  
8; 2046.5; 23-DEC-2009 17:28:49; Dark ; 60.0; 14; 58Alp Ori ; 0.87; 3000;occ; 120; 0;40862  
9; 2290.0; 23-DEC-2009 17:32:53; Bright; 41.0; 176; 23Zet Tau ; 3.02; 22000;occ; 82; 0;40862  
10; 2414.8; 23-DEC-2009 17:34:57; Bright; 41.0; 28; 12Bet Tau ; 1.65; 15200;occ; 82; 0;40862  
11; 2607.5; 23-DEC-2009 17:38:10; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;40862  
12; 2710.4; 23-DEC-2009 17:39:53; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;40862  
13; 3700.4; 23-DEC-2009 17:56:23; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;40862  
14; 3954.0; 23-DEC-2009 18:00:37; Bright; 46.5; 32; 77Eps UMa ; 1.76; 11000;occ; 93; 0;40862  
15; 4128.0; 23-DEC-2009 18:03:31; Bright; 42.5; 39; 85Eta UMa ; 1.85; 24000;occ; 85; 0;40862  
16; 4347.2; 23-DEC-2009 18:07:10; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40862  
17; 4550.7; 23-DEC-2009 18:10:33; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;40862



18; 4769.7; 23-DEC-2009 18:14:12; Bright; 66.0; 111; 8Eta Boo ; 2.68; 6000;occ; 132; 0;40862  
 19; 5420.9; 23-DEC-2009 18:25:04; Dark ; 55.5; 15; 67Alp Vir ; 0.98; 28000;occ; 111; 0;40862  
 20; 5691.1; 23-DEC-2009 18:29:34; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;40862  
 21; 5822.3; 23-DEC-2009 18:31:45; Dark ; 30.0; 106; 9Bet Crv ; 2.65; 5600;occ; 60; 0;40862  
 22; 6051.6; 23-DEC-2009 18:35:34; Dark ; 42.5; 64; Gam Cen ; 2.20; 10600;occ; 85; 0;40862  
 23; 6139.5; 23-DEC-2009 18:37:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40862  
 24; 6405.9; 23-DEC-2009 18:41:29; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40862  
 25; 6600.0; 23-DEC-2009 18:44:43; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40862  
 26; 6705.8; 23-DEC-2009 18:46:28; Dark ; 56.0; 41; Eps Car ; 1.86; 4100;occ; 112; 0;40862  
 27; 6886.0; 23-DEC-2009 18:49:29; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40862

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1; 863.0; 23-DEC-2009 18:49:42; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 26;40863  
 2; 981.3; 23-DEC-2009 18:51:40; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;40863  
 3; 1124.5; 23-DEC-2009 18:54:03; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;40863  
 4; 1305.3; 23-DEC-2009 18:57:04; Dark ; 49.5; 23; 21Eps CMA ; 1.50; 26000;occ; 99; 0;40863  
 5; 1404.8; 23-DEC-2009 18:58:43; Dark ; 48.5; 179; 240mi2CMA ; 3.03; 24000;occ; 97; 0;40863  
 6; 1567.7; 23-DEC-2009 19:01:26; Dark ; 53.5; 1; 9Alp CMA ;-1.44; 11000;occ; 107; 0;40863  
 7; 1757.0; 23-DEC-2009 19:04:36; Dark ; 44.5; 7; 19Bet Ori ; 0.10; 14000;occ; 89; 0;40863  
 8; 1879.0; 23-DEC-2009 19:06:38; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;40863  
 9; 2046.5; 23-DEC-2009 19:09:25; Dark ; 49.0; 14; 58Alp Ori ; 0.87; 3000;occ; 98; 0;40863  
 10; 2289.8; 23-DEC-2009 19:13:28; Bright; 40.0; 176; 23Zet Tau ; 3.02; 22000;occ; 80; 0;40863  
 11; 2414.6; 23-DEC-2009 19:15:33; Bright; 40.5; 28; 12Bet Tau ; 1.65; 15200;occ; 81; 0;40863  
 12; 2607.1; 23-DEC-2009 19:18:46; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;40863  
 13; 2710.1; 23-DEC-2009 19:20:29; Bright; 43.0; 6; 13Alp Aur ; 0.08; 3400;occ; 86; 0;40863  
 14; 3700.2; 23-DEC-2009 19:36:59; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;40863  
 15; 3953.7; 23-DEC-2009 19:41:12; Bright; 47.0; 32; 77Eps UMA ; 1.76; 11000;occ; 94; 0;40863  
 16; 4127.8; 23-DEC-2009 19:44:06; Bright; 61.0; 39; 85Eta UMA ; 1.85; 24000;occ; 122; 0;40863  
 17; 4347.0; 23-DEC-2009 19:47:46; Bright; 58.0; 180; 27Gam Boo ; 3.04; 8000;occ; 116; 0;40863  
 18; 4550.9; 23-DEC-2009 19:51:10; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;40863  
 19; 4770.0; 23-DEC-2009 19:54:49; Bright; 66.0; 111; 8Eta Boo ; 2.68; 6000;occ; 132; 0;40863  
 20; 5421.9; 23-DEC-2009 20:05:41; Dark ; 58.0; 15; 67Alp Vir ; 0.98; 28000;occ; 116; 0;40863  
 21; 5691.8; 23-DEC-2009 20:10:11; Dark ; 49.5; 54; 5The Cen ; 2.06; 4500;occ; 99; 0;40863  
 22; 5823.8; 23-DEC-2009 20:12:23; Dark ; 30.0; 106; 9Bet Crv ; 2.65; 5600;occ; 60; 0;40863  
 23; 6052.0; 23-DEC-2009 20:16:11; Dark ; 48.0; 64; Gam Cen ; 2.20; 10600;occ; 96; 0;40863  
 24; 6140.3; 23-DEC-2009 20:17:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40863  
 25; 6406.8; 23-DEC-2009 20:22:05; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40863  
 26; 6600.5; 23-DEC-2009 20:25:19; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40863  
 27; 6706.2; 23-DEC-2009 20:27:05; Dark ; 55.5; 41; Eps Car ; 1.86; 4100;occ; 111; 0;40863  
 28; 6886.5; 23-DEC-2009 20:30:05; Dark ; 17.0; 34; Gam2Vel ; 1.79; 23000;occ; 34; 0;40863

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1; -611.1; 24-DEC-2009 01:07:31; Dark ; 57.0; 15; 67Alp Vir ; 0.98; 28000;occ; 114; 0;40866  
 2; -342.4; 24-DEC-2009 01:12:00; Dark ; 45.0; 54; 5The Cen ; 2.06; 4500;occ; 90; 0;40866  
 3; -224.5; 24-DEC-2009 01:13:58; Dark ; 45.5; 123; Iot Cen ; 2.75; 10200;occ; 91; 0;40866  
 4; 18.5; 24-DEC-2009 01:18:01; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;40867  
 5; 107.0; 24-DEC-2009 01:19:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40867  
 6; 373.5; 24-DEC-2009 01:23:56; Dark ; 50.5; 113; Mu Vel ; 2.69; 5000;occ; 101; 0;40867  
 7; 566.3; 24-DEC-2009 01:27:09; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40867  
 8; 671.7; 24-DEC-2009 01:28:54; Dark ; 50.0; 41; Eps Car ; 1.86; 4100;occ; 100; 0;40867  
 9; 852.4; 24-DEC-2009 01:31:55; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;40867  
 10; 983.8; 24-DEC-2009 01:34:06; Dark ; 51.5; 70; Zet Pup ; 2.25; 39000;occ; 103; 0;40867  
 11; 1126.1; 24-DEC-2009 01:36:28; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;40867  
 12; 1306.6; 24-DEC-2009 01:39:29; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 0;40867  
 13; 1405.7; 24-DEC-2009 01:41:08; Dark ; 47.0; 179; 240mi2CMA ; 3.03; 24000;occ; 94; 0;40867  
 14; 1568.1; 24-DEC-2009 01:43:50; Dark ; 52.5; 1; 9Alp CMA ;-1.44; 11000;occ; 105; 0;40867  
 15; 1757.2; 24-DEC-2009 01:46:59; Dark ; 44.5; 7; 19Bet Ori ; 0.10; 14000;occ; 89; 0;40867  
 16; 1878.9; 24-DEC-2009 01:49:01; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;40867  
 17; 2045.7; 24-DEC-2009 01:51:48; Dark ; 53.5; 14; 58Alp Ori ; 0.87; 3000;occ; 107; 0;40867  
 18; 2288.8; 24-DEC-2009 01:55:51; Bright; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;40867  
 19; 2413.3; 24-DEC-2009 01:57:56; Bright; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;40867  
 20; 2605.2; 24-DEC-2009 02:01:07; Bright; 40.5; 107; 37The Aur ; 2.65; 11000;occ; 81; 0;40867  
 21; 2709.0; 24-DEC-2009 02:02:51; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;40867  
 22; 3699.8; 24-DEC-2009 02:19:22; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;40867  
 23; 3952.3; 24-DEC-2009 02:23:35; Bright; 47.0; 32; 77Eps UMA ; 1.76; 11000;occ; 94; 0;40867  
 24; 4127.1; 24-DEC-2009 02:26:29; Bright; 53.5; 39; 85Eta UMA ; 1.85; 24000;occ; 107; 0;40867

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1;-1895.8; 24-DEC-2009 02:26:42; Bright; 55.5; 39; 85Eta UMA ; 1.85; 24000;occ; 111; 26;40867  
 2;-1688.6; 24-DEC-2009 02:30:10; Bright; 58.0; 180; 27Gam Boo ; 3.04; 8000;occ; 116; 0;40867  
 3;-1483.9; 24-DEC-2009 02:33:34; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;40867

4; -1264.3; 24-DEC-2009 02:37:14; Bright; 67.0; 111; 8Eta Boo ; 2.68; 6000;occ; 134; 0;40867  
5; -610.0; 24-DEC-2009 02:48:08; Dark ; 62.5; 15; 67Alp Vir ; 0.98; 28000;occ; 125; 0;40867  
6; -342.0; 24-DEC-2009 02:52:36; Dark ; 43.0; 54; 5The Cen ; 2.06; 4500;occ; 86; 0;40867  
7; -223.9; 24-DEC-2009 02:54:34; Dark ; 42.5; 123; Iot Cen ; 2.75; 10200;occ; 85; 0;40867  
8; 19.2; 24-DEC-2009 02:58:37; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;40868  
9; 107.9; 24-DEC-2009 03:00:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40868  
10; 374.6; 24-DEC-2009 03:04:33; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40868  
11; 566.9; 24-DEC-2009 03:07:45; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40868  
12; 672.3; 24-DEC-2009 03:09:31; Dark ; 44.0; 41; Eps Car ; 1.86; 4100;occ; 88; 0;40868  
13; 852.9; 24-DEC-2009 03:12:31; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;40868  
14; 984.4; 24-DEC-2009 03:14:43; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40868  
15; 1126.6; 24-DEC-2009 03:17:05; Dark ; 49.0; 117; Pi Pup ; 2.71; 3800;occ; 98; 0;40868  
16; 1306.7; 24-DEC-2009 03:20:05; Dark ; 49.5; 23; 21Eps CMa ; 1.50; 26000;occ; 99; 0;40868  
17; 1406.1; 24-DEC-2009 03:21:44; Dark ; 49.5; 179; 240mi2CMa ; 3.03; 24000;occ; 99; 0;40868  
18; 1568.0; 24-DEC-2009 03:24:26; Dark ; 54.0; 1; 9Alp CMa ; -1.44; 11000;occ; 108; 0;40868  
19; 1757.4; 24-DEC-2009 03:27:36; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0;40868  
20; 1878.9; 24-DEC-2009 03:29:37; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;40868  
21; 2045.8; 24-DEC-2009 03:32:24; Dark ; 56.5; 14; 58Alp Ori ; 0.87; 3000;occ; 113; 0;40868  
22; 2288.7; 24-DEC-2009 03:36:27; Bright; 41.5; 176; 23Zet Tau ; 3.02; 22000;occ; 83; 0;40868  
23; 2413.4; 24-DEC-2009 03:38:32; Bright; 40.5; 28; 12Bet Tau ; 1.65; 15200;occ; 81; 0;40868  
24; 2604.8; 24-DEC-2009 03:41:43; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;40868  
25; 2709.1; 24-DEC-2009 03:43:27; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;40868

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1; -2335.9; 24-DEC-2009 03:59:58; Bright; 33.0; 60; 7Bet UMi ; 2.08; 3950;occ; 66; 0;40868  
2; -2084.0; 24-DEC-2009 04:04:10; Bright; 46.0; 32; 77Eps UMa ; 1.76; 11000;occ; 92; 0;40868  
3; -1908.7; 24-DEC-2009 04:07:05; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40868  
4; -1688.7; 24-DEC-2009 04:10:45; Bright; 58.0; 180; 27Gam Boo ; 3.04; 8000;occ; 116; 0;40868  
5; -1483.9; 24-DEC-2009 04:14:10; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;40868  
6; -1263.8; 24-DEC-2009 04:17:50; Bright; 67.0; 111; 8Eta Boo ; 2.68; 6000;occ; 134; 0;40868  
7; -739.8; 24-DEC-2009 04:26:34; Bright; 43.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 86; 0;40868  
8; -609.2; 24-DEC-2009 04:28:45; Dark ; 57.0; 15; 67Alp Vir ; 0.98; 28000;occ; 114; 0;40868  
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13; 4558.2; 26-DEC-2009 11:34:02; Bright; 58.0; 83; ; 2.38; 11000;occ; 116; 0;40901
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16;	4559.1;	26-DEC-2009	18:16:27;	Bright;		40.0;	83;		;	2.38;	11000;	occ;	80;	0;	40905
17;	4788.1;	26-DEC-2009	18:20:16;	Bright;		70.0;	111;	8Eta Boo	;	2.68;	6000;	occ;	140;	0;	40905
18;	5313.2;	26-DEC-2009	18:29:01;	Dark	;	43.0;	122;	9Alp2Lib	;	2.75;	9700;	occ;	86;	0;	40905
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21;	5843.1;	26-DEC-2009	18:37:51;	Dark	;	42.5;	123;	Iot Cen	;	2.75;	10200;	occ;	85;	0;	40905
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
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25;	6624.8;	26-DEC-2009	18:50:53;	Dark	;	47.0;	71;	Iot Car	;	2.25;	7700;	occ;	94;	0;	40905
26;	6726.9;	26-DEC-2009	18:52:35;	Dark	;	52.5;	41;	Eps Car	;	1.86;	4100;	occ;	105;	0;	40905
27;	6911.5;	26-DEC-2009	18:55:39;	Dark	;	47.0;	34;	Gam2Vel	;	1.79;	23000;	occ;	94;	0;	40905
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7;	1878.8;	26-DEC-2009	19:12:23;	Dark	;	44.5;	30;	46Eps Ori	;	1.69;	30000;	occ;	89;	0;	40906
8;	2039.8;	26-DEC-2009	19:15:04;	Dark	;	51.5;	14;	58Alp Ori	;	0.87;	3000;	occ;	103;	0;	40906
9;	2259.7;	26-DEC-2009	19:18:44;	Dark	;	63.0;	44;	24Gam Gem	;	1.93;	11000;	occ;	126;	0;	40906
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11;	2590.0;	26-DEC-2009	19:24:14;	Bright;		40.0;	107;	37The Aur	;	2.65;	11000;	occ;	80;	0;	40906
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17;	4559.5;	26-DEC-2009	19:57:03;	Bright;		39.0;	83;		;	2.38;	11000;	occ;	78;	0;	40906
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24;	6178.3;	26-DEC-2009	20:24:02;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	40906
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27;	6727.3;	26-DEC-2009	20:33:11;	Dark	;	53.0;	41;	Eps Car	;	1.86;	4100;	occ;	106;	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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7;	-564.4;	27-DEC-2009	02:54:39;	Dark	;	58.0;	15;	67Alp Vir	;	0.98;	28000;	occ;	116;	0;	40910
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 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
 8; 2573.0; 30-DEC-2009 12:15:41; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;40959
 9; 2694.7; 30-DEC-2009 12:17:43; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;40959
10; 3693.1; 30-DEC-2009 12:34:21; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;40959
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
15; 4762.1; 30-DEC-2009 12:52:10; Bright; 51.0; 3; 16Alp Boo ; -0.05; 4250;occ; 102; 0;40959
16; 5185.0; 30-DEC-2009 12:59:13; Bright; 55.0; 104; 27Bet Lib ; 2.61; 13100;occ; 110; 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
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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
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 9; 2694.7; 30-DEC-2009 13:58:19; Bright; 45.0; 6; 13Alp Aur ; 0.08; 3400;occ; 90; 0;40960  
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 12; 4113.0; 30-DEC-2009 14:21:57; Bright; 65.0; 39; 85Eta UMa ; 1.85; 24000;occ; 130; 0;40960  
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 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  
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 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  
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 19; 5342.5; 30-DEC-2009 16:23:02; Dark ; 44.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 88; 0;40961  
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 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  
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 27; 6942.4; 30-DEC-2009 16:49:42; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40961  
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 16; 4112.8; 30-DEC-2009 17:43:09; Bright; 48.0; 39; 85Eta UMa ; 1.85; 24000;occ; 96; 0;40962  
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 21; 5343.1; 30-DEC-2009 18:03:39; Dark ; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;40962  
 22; 5754.1; 30-DEC-2009 18:10:30; Dark ; 52.0; 54; 5The Cen ; 2.06; 4500;occ; 104; 0;40962  
 23; 5921.6; 30-DEC-2009 18:13:18; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;40962  
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 25; 6229.3; 30-DEC-2009 18:18:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40962  
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 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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 12; 2572.0; 30-DEC-2009 18:58:04; Bright; 40.5; 107; 37The Aur ; 2.65; 11000;occ; 81; 0;40963  
 13; 2694.3; 30-DEC-2009 19:00:06; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;40963  
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 19; 4763.5; 30-DEC-2009 19:34:36; Bright; 53.0; 3; 16Alp Boo ; -0.05; 4250;occ; 106; 0;40963  
 20; 5186.6; 30-DEC-2009 19:41:39; Bright; 50.0; 104; 27Bet Lib ; 2.61; 13100;occ; 100; 0;40963  
 21; 5343.3; 30-DEC-2009 19:44:15; Dark ; 43.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 86; 0;40963  
 22; 5754.7; 30-DEC-2009 19:51:07; Dark ; 54.5; 54; 5The Cen ; 2.06; 4500;occ; 109; 0;40963  
 23; 5922.0; 30-DEC-2009 19:53:54; Dark ; 39.0; 95; Zet Cen ; 2.55; 26000;occ; 78; 0;40963  
 24; 6128.5; 30-DEC-2009 19:57:21; Dark ; 50.0; 64; Gam Cen ; 2.20; 10600;occ; 100; 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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 29; 6943.4; 30-DEC-2009 20:10:55; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40963  
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 4; 94.9; 31-DEC-2009 00:59:10; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;40967  
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 13; 1430.4; 31-DEC-2009 01:21:26; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;40967  
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