

# GOMOS Daily Report 27-AUG-2009

## Level 0 and Level 1 products

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

Item	Value
Time of report generation	30AUG2009 04:51:39
Data source version	GOMOS/5.00
Start time of products	27AUG2009 00:00:26
Stop time of products	27AUG2009 23:52:46
Store outputs in DB	Yes
Nb of level 1b prods	103
Nb of prods with errors	2

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

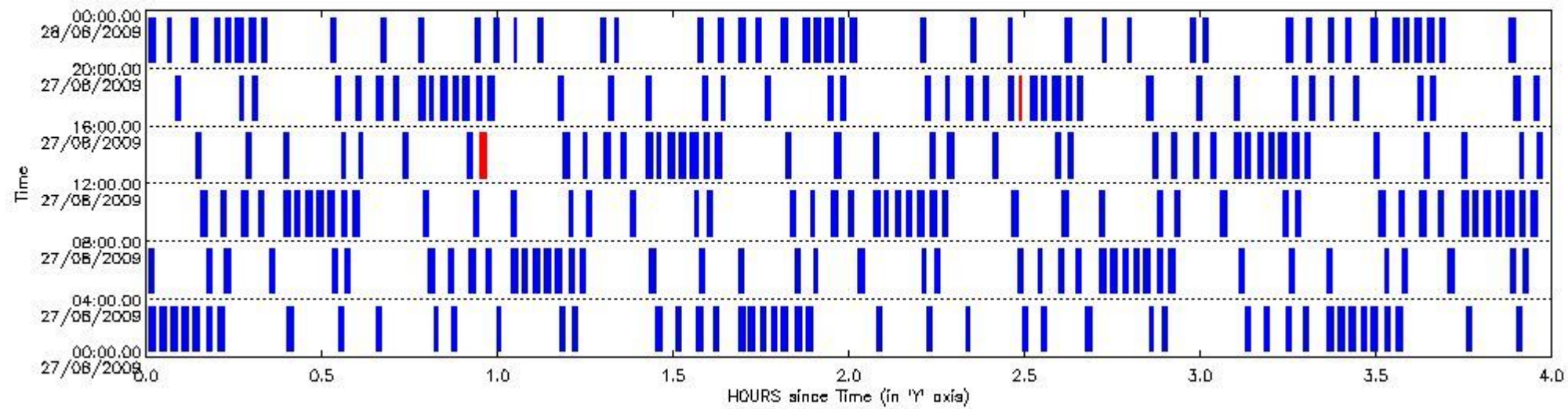
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
27-AUG-2009 12:56:56	27GamCas	76	39170
27-AUG-2009 18:29:02	24GamOri	27	39173

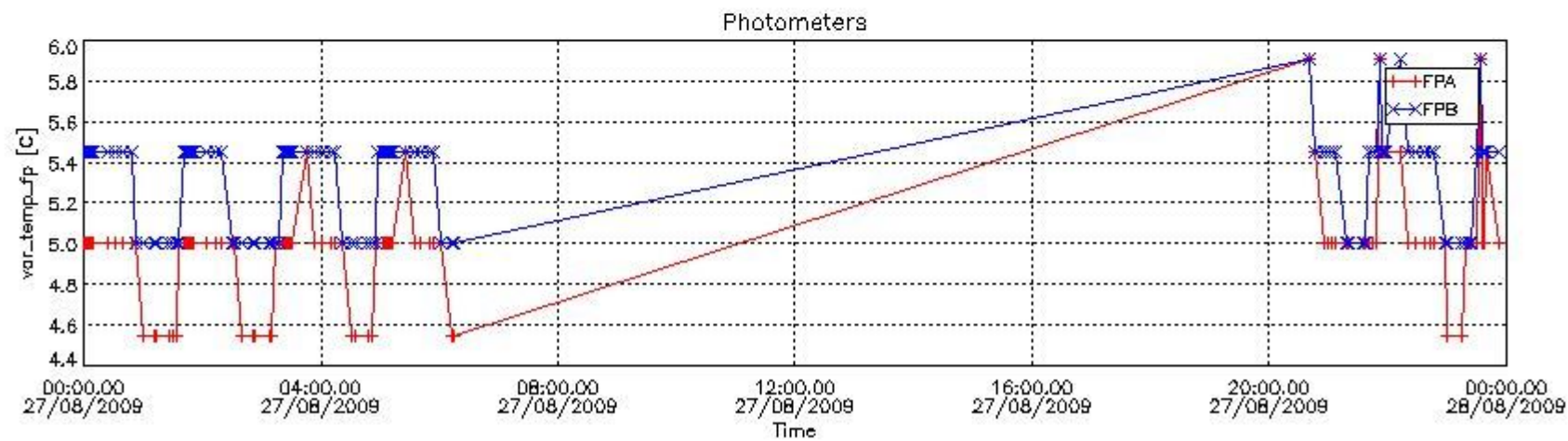
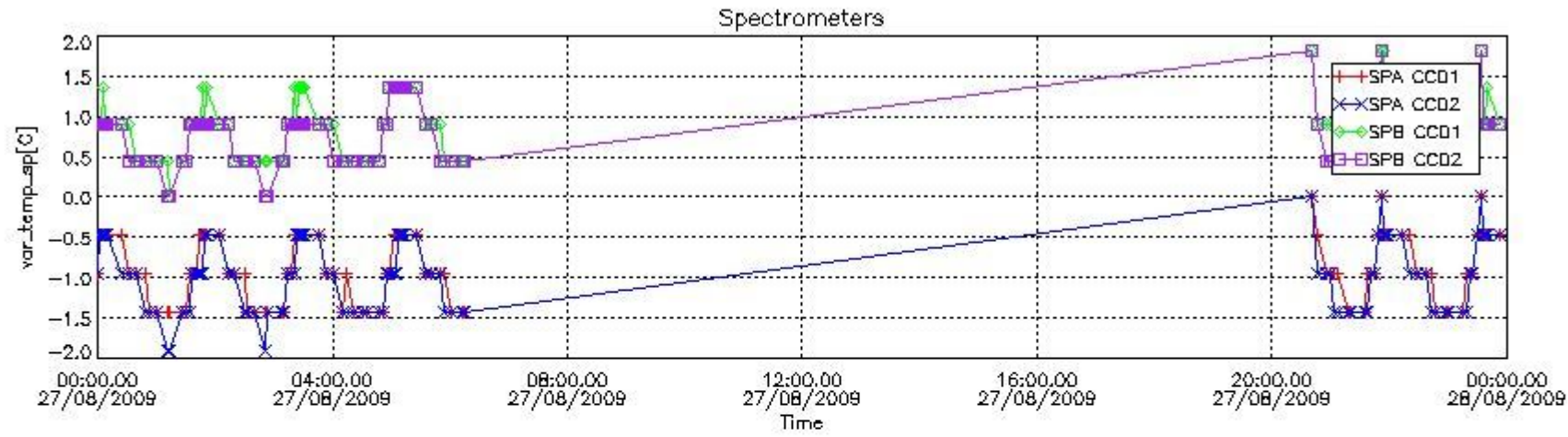
### 2.4 Summary of processed GOM\_TRA\_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20090827_000026_000000702082_00030_39162_8934.N1	27-AUG-2009 00:00:26	Dark	70.000	14	58Alp Ori	0.87000	3000.0	140	39162	No
2	GOM_TRA_1PNPDE20090827_000215_000000652082_00030_39162_8935.N1	27-AUG-2009 00:02:15	Dark	64.500	27	24Gam Ori	1.6360	26000.	129	39162	No
3	GOM_TRA_1PNPDE20090827_000412_000000582082_00030_39162_8936.N1	27-AUG-2009 00:04:12	Dark	57.500	30	46Eps Ori	1.6940	30000.	115	39162	No
4	GOM_TRA_1PNPDE20090827_000609_000000532082_00030_39162_9077.N1	27-AUG-2009 00:06:09	Dark	52.500	56	53Kap Ori	2.0650	30000.	105	39162	No
5	GOM_TRA_1PNPDE20090827_000750_000000662082_00030_39162_9078.N1	27-AUG-2009 00:07:50	Dark	66.000	7	19Bet Ori	0.10000	14000.	132	39162	No
6	GOM_TRA_1PNPDE20090827_001015_000000522082_00030_39162_9079.N1	27-AUG-2009 00:10:15	Dark	52.000	139	9Bet Lep	2.8330	5600.0	104	39162	No
7	GOM_TRA_1PNPDE20090827_002406_000000552082_00031_39163_9080.N1	27-AUG-2009 00:24:06	Dark	54.500	157	The1Eri	2.9060	9300.0	109	39163	No
8	GOM_TRA_1PNPDE20090827_003244_000000492082_00031_39163_9081.N1	27-AUG-2009 00:32:44	Straylight	48.500	84	Alp Phe	2.3970	4500.0	97	39163	No
9	GOM_TRA_1PNPDE20090827_003915_000000492082_00031_39163_9082.N1	27-AUG-2009 00:39:15	Straylight	48.500	18	24Alp PsA	1.1660	9700.0	97	39163	No

10	GOM_TRA_1PNPDE20090827_004905_000000412082_00031_39163_9083.N1	27-AUG-2009 00:49:05	Bright	40.500	162	34Alp Aqr	2.9440	5350.0	81	39163	No
11	GOM_TRA_1PNPDE20090827_005208_000000412082_00031_39163_9084.N1	27-AUG-2009 00:52:08	Bright	40.500	61	8Eps Peg	2.1000	3900.0	81	39163	No
12	GOM_TRA_1PNPDE20090827_005948_000000452082_00031_39163_9085.N1	27-AUG-2009 00:59:48	Bright	44.500	164	44Eta Peg	2.9480	5400.0	89	39163	No
13	GOM_TRA_1PNPDE20090827_011037_000000432082_00031_39163_9086.N1	27-AUG-2009 01:10:37	Bright	42.500	74	11Bet Cas	2.2680	6600.0	85	39163	No
14	GOM_TRA_1PNPDE20090827_011249_000000472082_00031_39163_9087.N1	27-AUG-2009 01:12:49	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	39163	No
15	GOM_TRA_1PNPDE20090827_012658_000000592082_00031_39163_9088.N1	27-AUG-2009 01:26:58	Bright	58.500	6	13Alp Aur	0.080000	3400.0	117	39163	No
16	GOM_TRA_1PNPDE20090827_013023_000000462082_00031_39163_9089.N1	27-AUG-2009 01:30:23	Bright	45.500	107	37The Aur	2.6490	11000.	91	39163	No
17	GOM_TRA_1PNPDE20090827_013354_000000602082_00031_39163_9090.N1	27-AUG-2009 01:33:54	Twilight	59.500	28	12Bet Tau	1.6500	15200.	119	39163	No
18	GOM_TRA_1PNPDE20090827_013653_000000492082_00031_39163_9091.N1	27-AUG-2009 01:36:53	Twilight	48.500	44	24Gam Gem	1.9280	11000.	97	39163	No
19	GOM_TRA_1PNPDE20090827_014102_000000702082_00031_39163_9092.N1	27-AUG-2009 01:41:02	Dark	70.000	14	58Alp Ori	0.87000	3000.0	140	39163	No
20	GOM_TRA_1PNPDE20090827_014252_000000662082_00031_39163_9093.N1	27-AUG-2009 01:42:52	Dark	65.500	27	24Gam Ori	1.6360	26000.	131	39163	No
21	GOM_TRA_1PNPDE20090827_014449_000000582082_00031_39163_9274.N1	27-AUG-2009 01:44:49	Dark	58.000	30	46Eps Ori	1.6940	30000.	116	39163	No
22	GOM_TRA_1PNPDE20090827_014645_000000562082_00031_39163_9275.N1	27-AUG-2009 01:46:45	Dark	55.500	56	53Kap Ori	2.0650	30000.	111	39163	No
23	GOM_TRA_1PNPDE20090827_014827_000000672082_00031_39163_9276.N1	27-AUG-2009 01:48:27	Dark	66.500	7	19Bet Ori	0.10000	14000.	133	39163	No
24	GOM_TRA_1PNPDE20090827_015052_000000542082_00031_39163_9277.N1	27-AUG-2009 01:50:52	Dark	54.000	139	9Bet Lep	2.8330	5600.0	108	39163	No
25	GOM_TRA_1PNPDE20090827_020443_000000542082_00032_39164_9278.N1	27-AUG-2009 02:04:43	Dark	54.000	157	The1Eri	2.9060	9300.0	108	39164	No
26	GOM_TRA_1PNPDE20090827_021320_000000492082_00032_39164_9279.N1	27-AUG-2009 02:13:20	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	39164	No
27	GOM_TRA_1PNPDE20090827_021951_000000472082_00032_39164_9280.N1	27-AUG-2009 02:19:51	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	39164	No
28	GOM_TRA_1PNPDE20090827_022941_000000412082_00032_39164_9281.N1	27-AUG-2009 02:29:41	Bright	41.000	162	34Alp Aqr	2.9440	5350.0	82	39164	No
29	GOM_TRA_1PNPDE20090827_023244_000000502082_00032_39164_9282.N1	27-AUG-2009 02:32:44	Bright	50.000	61	8Eps Peg	2.1000	3900.0	100	39164	No
30	GOM_TRA_1PNPDE20090827_024023_000000682082_00032_39164_9283.N1	27-AUG-2009 02:40:23	Bright	68.000	164	44Eta Peg	2.9480	5400.0	136	39164	No
31	GOM_TRA_1PNPDE20090827_025113_000000462082_00032_39164_9284.N1	27-AUG-2009 02:51:13	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	39164	No
32	GOM_TRA_1PNPDE20090827_025324_000000462082_00032_39164_9285.N1	27-AUG-2009 02:53:24	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	39164	No
33	GOM_TRA_1PNPDE20090827_030734_000000612082_00032_39164_9436.N1	27-AUG-2009 03:07:34	Bright	60.500	6	13Alp Aur	0.080000	3400.0	121	39164	No
34	GOM_TRA_1PNPDE20090827_031059_000000472082_00032_39164_9437.N1	27-AUG-2009 03:10:59	Bright	46.500	107	37The Aur	2.6490	11000.	93	39164	No
35	GOM_TRA_1PNPDE20090827_031430_000000622082_00032_39164_9438.N1	27-AUG-2009 03:14:30	Twilight	62.000	28	12Bet Tau	1.6500	15200.	124	39164	No
36	GOM_TRA_1PNPDE20090827_031729_000000492082_00032_39164_9439.N1	27-AUG-2009 03:17:29	Twilight	48.500	44	24Gam Gem	1.9280	11000.	97	39164	No
37	GOM_TRA_1PNPDE20090827_032139_000000592082_00032_39164_9440.N1	27-AUG-2009 03:21:39	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	39164	No
38	GOM_TRA_1PNPDE20090827_032329_000000602082_00032_39164_9441.N1	27-AUG-2009 03:23:29	Dark	60.000	27	24Gam Ori	1.6360	26000.	120	39164	No
39	GOM_TRA_1PNPDE20090827_032526_000000592082_00032_39164_9442.N1	27-AUG-2009 03:25:26	Dark	59.000	30	46Eps Ori	1.6940	30000.	118	39164	No
40	GOM_TRA_1PNPDE20090827_032722_000000522082_00032_39164_9443.N1	27-AUG-2009 03:27:22	Dark	51.500	56	53Kap Ori	2.0650	30000.	103	39164	No
41	GOM_TRA_1PNPDE20090827_032904_000000682082_00032_39164_9444.N1	27-AUG-2009 03:29:04	Dark	68.000	7	19Bet Ori	0.10000	14000.	136	39164	No
42	GOM_TRA_1PNPDE20090827_033129_000000512082_00032_39164_9445.N1	27-AUG-2009 03:31:29	Dark	51.000	139	9Bet Lep	2.8330	5600.0	102	39164	No
43	GOM_TRA_1PNPDE20090827_034520_000000562082_00033_39165_9446.N1	27-AUG-2009 03:45:20	Dark	55.500	157	The1Eri	2.9060	9300.0	111	39165	No
44	GOM_TRA_1PNPDE20090827_035357_000000492082_00033_39165_9447.N1	27-AUG-2009 03:53:57	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	39165	No
45	GOM_TRA_1PNPDE20090827_040028_000000482082_00033_39165_9448.N1	27-AUG-2009 04:00:28	Straylight	48.000	18	24Alp PsA	1.1660	9700.0	96	39165	No
46	GOM_TRA_1PNPDE20090827_041017_000000592082_00033_39165_9449.N1	27-AUG-2009 04:10:17	Bright	59.000	162	34Alp Aqr	2.9440	5350.0	118	39165	No
47	GOM_TRA_1PNPDE20090827_041319_000000562082_00033_39165_9450.N1	27-AUG-2009 04:13:19	Bright	56.000	61	8Eps Peg	2.1000	3900.0	112	39165	No
48	GOM_TRA_1PNPDE20090827_042059_000000462082_00033_39165_9451.N1	27-AUG-2009 04:20:59	Bright	46.000	164	44Eta Peg	2.9480	5400.0	92	39165	No
49	GOM_TRA_1PNPDE20090827_043148_000000462082_00033_39165_9452.N1	27-AUG-2009 04:31:48	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	39165	No
50	GOM_TRA_1PNPDE20090827_043400_000000472082_00033_39165_9453.N1	27-AUG-2009 04:34:00	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	39165	No
51	GOM_TRA_1PNPDE20090827_044810_000000542082_00033_39165_9605.N1	27-AUG-2009 04:48:10	Bright	53.500	6	13Alp Aur	0.080000	3400.0	107	39165	No
52	GOM_TRA_1PNPDE20090827_045135_000000452082_00033_39165_9606.N1	27-AUG-2009 04:51:35	Bright	44.500	107	37The Aur	2.6490	11000.	89	39165	No
53	GOM_TRA_1PNPDE20090827_045507_000000632082_00033_39165_9607.N1	27-AUG-2009 04:55:07	Twilight	62.500	28	12Bet Tau	1.6500	15200.	125	39165	No
54	GOM_TRA_1PNPDE20090827_045806_000000482082_00033_39165_9608.N1	27-AUG-2009 04:58:06	Twilight	48.000	44	24Gam Gem	1.9280	11000.	96	39165	No
55	GOM_TRA_1PNPDE20090827_050216_000000612082_00033_39165_9609.N1	27-AUG-2009 05:02:16	Dark	60.500	14	58Alp Ori	0.87000	3000.0	121	39165	No
56	GOM_TRA_1PNPDE20090827_050406_000000602082_00033_39165_9610.N1	27-AUG-2009 05:04:06	Dark	60.000	27	24Gam Ori	1.6360	26000.	120	39165	No
57	GOM_TRA_1PNPDE20090827_050603_000000592082_00033_39165_9611.N1	27-AUG-2009 05:06:03	Dark	58.500	30	46Eps Ori	1.6940	30000.	117	39165	No
58	GOM_TRA_1PNPDE20090827_050759_000000542082_00033_39165_9612.N1	27-AUG-2009 05:07:59	Dark	53.500	56	53Kap Ori	2.0650	30000.	107	39165	No
59	GOM_TRA_1PNPDE20090827_050941_000000692082_00033_39165_9613.N1	27-AUG-2009 05:09:41	Dark	69.000	7	19Bet Ori	0.10000	14000.	138	39165	No
60	GOM_TRA_1PNPDE20090827_051206_000000502082_00033_39165_9614.N1	27-AUG-2009 05:12:06	Dark	49.500	139	9Bet Lep	2.8330	5600.0	99	39165	No
61	GOM_TRA_1PNPDE20090827_052558_000000542082_00034_39166_9615.N1	27-AUG-2009 05:25:58	Dark	54.000	157	The1Eri	2.9060	9300.0	108	39166	No
62	GOM_TRA_1PNPDE20090827_053434_000000482082_00034_39166_9616.N1	27-AUG-2009 05:34:34	Straylight	48.000	84	Alp Phe	2.3970	4500.0	96	39166	No
63	GOM_TRA_1PNPDE20090827_054104_000000472082_00034_39166_9617.N1	27-AUG-2009 05:41:04	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	39166	No
64	GOM_TRA_1PNPDE20090827_055053_000000402082_00034_39166_9618.N1	27-AUG-2009 05:50:53	Bright	40.000	162	34Alp Aqr	2.9440	5350.0	80	39166	No
65	GOM_TRA_1PNPDE20090827_055355_000000392082_00034_39166_9619.N1	27-AUG-2009 05:53:55	Bright	39.000	61	8Eps Peg	2.1000	3900.0	78	39166	No
66	GOM_TRA_1PNPDE20090827_060134_000000682082_00034_39166_9620.N1	27-AUG-2009 06:01:34	Bright	68.000	164	44Eta Peg	2.9480	5400.0	136	39166	No
67	GOM_TRA_1PNPDE20090827_061223_000000462082_00034_39166_9621.N1	27-AUG-2009 06:12:23	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	39166	No
68	GOM_TRA_1PNPDE20090827_061435_000000462082_00034_39166_9622.N1	27-AUG-2009 06:14:35	Bright	46.000	76	27Gam Cas	2.3000	30000.	92	39166	No

69	GOM_TRA_1PNPDE20090827_204003_000000512082_00043_39175_0078.N1	27-AUG-2009 20:40:03	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	39175	No
70	GOM_TRA_1PNPDE20090827_204630_000000472082_00043_39175_0079.N1	27-AUG-2009 20:46:30	Straylight	46.500	18	24Alp PsA	1.1660	9700.0	93	39175	No
71	GOM_TRA_1PNPDE20090827_205616_000000412082_00043_39175_0080.N1	27-AUG-2009 20:56:16	Bright	40.500	162	34Alp Aqr	2.9440	5350.0	81	39175	No
72	GOM_TRA_1PNPDE20090827_205918_000000562082_00043_39175_0081.N1	27-AUG-2009 20:59:18	Bright	56.000	61	8Eps Peg	2.1000	3900.0	112	39175	No
73	GOM_TRA_1PNPDE20090827_210244_000000252082_00043_39175_0082.N1	27-AUG-2009 21:02:44	Twilight_and_stray	25.000	90	54Alp Peg	2.4870	11000.	50	39175	No
74	GOM_TRA_1PNPDE20090827_210652_000000452082_00043_39175_0083.N1	27-AUG-2009 21:06:52	Bright	44.500	164	44Eta Peg	2.9480	5400.0	89	39175	No
75	GOM_TRA_1PNPDE20090827_211740_000000462082_00043_39175_0084.N1	27-AUG-2009 21:17:40	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	39175	No
76	GOM_TRA_1PNPDE20090827_211952_000000442082_00043_39175_0085.N1	27-AUG-2009 21:19:52	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	39175	No
77	GOM_TRA_1PNPDE20090827_213407_000000602082_00043_39175_0086.N1	27-AUG-2009 21:34:07	Bright	59.500	6	13Alp Aur	0.080000	3400.0	119	39175	No
78	GOM_TRA_1PNPDE20090827_213734_000000472082_00043_39175_0087.N1	27-AUG-2009 21:37:34	Bright	46.500	107	37The Aur	2.6490	11000.	93	39175	No
79	GOM_TRA_1PNPDE20090827_214108_000000632082_00043_39175_0088.N1	27-AUG-2009 21:41:08	Twilight_and_stray	62.500	28	12Bet Tau	1.6500	15200.	125	39175	No
80	GOM_TRA_1PNPDE20090827_214408_000000432082_00043_39175_0089.N1	27-AUG-2009 21:44:08	Twilight_and_stray	42.500	44	24Gam Gem	1.9280	11000.	85	39175	No
81	GOM_TRA_1PNPDE20090827_214822_000000712082_00043_39175_0090.N1	27-AUG-2009 21:48:22	Dark	71.000	14	58Alp Ori	0.87000	3000.0	142	39175	No
82	GOM_TRA_1PNPDE20090827_215212_000000572082_00043_39175_0235.N1	27-AUG-2009 21:52:12	Dark	56.500	30	46Eps Ori	1.6940	30000.	113	39175	Yes
83	GOM_TRA_1PNPDE20090827_215407_000000542082_00043_39175_0236.N1	27-AUG-2009 21:54:07	Dark	53.500	56	53Kap Ori	2.0650	30000.	107	39175	No
84	GOM_TRA_1PNPDE20090827_215554_000000762082_00043_39175_0237.N1	27-AUG-2009 21:55:54	Dark	76.000	7	19Bet Ori	0.10000	14000.	152	39175	No
85	GOM_TRA_1PNPDE20090827_215816_000000532082_00043_39175_0238.N1	27-AUG-2009 21:58:16	Dark	53.000	139	9Bet Lep	2.8330	5600.0	106	39175	No
86	GOM_TRA_1PNPDE20090827_221209_000000552082_00044_39176_0239.N1	27-AUG-2009 22:12:09	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39176	No
87	GOM_TRA_1PNPDE20090827_222040_000000512082_00044_39176_0240.N1	27-AUG-2009 22:20:40	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	39176	No
88	GOM_TRA_1PNPDE20090827_222706_000000482082_00044_39176_0241.N1	27-AUG-2009 22:27:06	Straylight	47.500	18	24Alp PsA	1.1660	9700.0	95	39176	No
89	GOM_TRA_1PNPDE20090827_223652_000000582082_00044_39176_0242.N1	27-AUG-2009 22:36:52	Bright	58.000	162	34Alp Aqr	2.9440	5350.0	116	39176	No
90	GOM_TRA_1PNPDE20090827_224319_000000322082_00044_39176_0243.N1	27-AUG-2009 22:43:19	Twilight_and_stray	32.000	90	54Alp Peg	2.4870	11000.	64	39176	No
91	GOM_TRA_1PNPDE20090827_224727_000000452082_00044_39176_0244.N1	27-AUG-2009 22:47:27	Bright	44.500	164	44Eta Peg	2.9480	5400.0	89	39176	No
92	GOM_TRA_1PNPDE20090827_225815_000000462082_00044_39176_0245.N1	27-AUG-2009 22:58:15	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	39176	No
93	GOM_TRA_1PNPDE20090827_230027_000000442082_00044_39176_0246.N1	27-AUG-2009 23:00:27	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	39176	No
94	GOM_TRA_1PNPDE20090827_231443_000000602082_00044_39176_0247.N1	27-AUG-2009 23:14:43	Bright	59.500	6	13Alp Aur	0.080000	3400.0	119	39176	No
95	GOM_TRA_1PNPDE20090827_231810_000000472082_00044_39176_0248.N1	27-AUG-2009 23:18:10	Bright	47.000	107	37The Aur	2.6490	11000.	94	39176	No
96	GOM_TRA_1PNPDE20090827_232145_000000552082_00044_39176_0249.N1	27-AUG-2009 23:21:45	Twilight_and_stray	55.000	28	12Bet Tau	1.6500	15200.	110	39176	No
97	GOM_TRA_1PNPDE20090827_232445_000000472082_00044_39176_0250.N1	27-AUG-2009 23:24:45	Twilight_and_stray	47.000	44	24Gam Gem	1.9280	11000.	94	39176	No
98	GOM_TRA_1PNPDE20090827_232858_000000682082_00044_39176_0251.N1	27-AUG-2009 23:28:58	Dark	68.000	14	58Alp Ori	0.87000	3000.0	136	39176	No
99	GOM_TRA_1PNPDE20090827_233249_000000602082_00044_39176_0403.N1	27-AUG-2009 23:32:49	Dark	60.000	30	46Eps Ori	1.6940	30000.	120	39176	Yes
100	GOM_TRA_1PNPDE20090827_233444_000000532082_00044_39176_0404.N1	27-AUG-2009 23:34:44	Dark	52.500	56	53Kap Ori	2.0650	30000.	105	39176	No
101	GOM_TRA_1PNPDE20090827_233631_000000722082_00044_39176_0405.N1	27-AUG-2009 23:36:31	Dark	71.500	7	19Bet Ori	0.10000	14000.	143	39176	No
102	GOM_TRA_1PNPDE20090827_233852_000000512082_00044_39176_0406.N1	27-AUG-2009 23:38:52	Dark	51.000	139	9Bet Lep	2.8330	5600.0	102	39176	No
103	GOM_TRA_1PNPDE20090827_235246_000000552082_00045_39177_0407.N1	27-AUG-2009 23:52:46	Dark	54.500	157	The1Eri	2.9060	9300.0	109	39177	No

### 3. Plot of GOMOS spectrometers and photometers temperatures from level 1b data



#### 4. Overview of dark signal processing per product

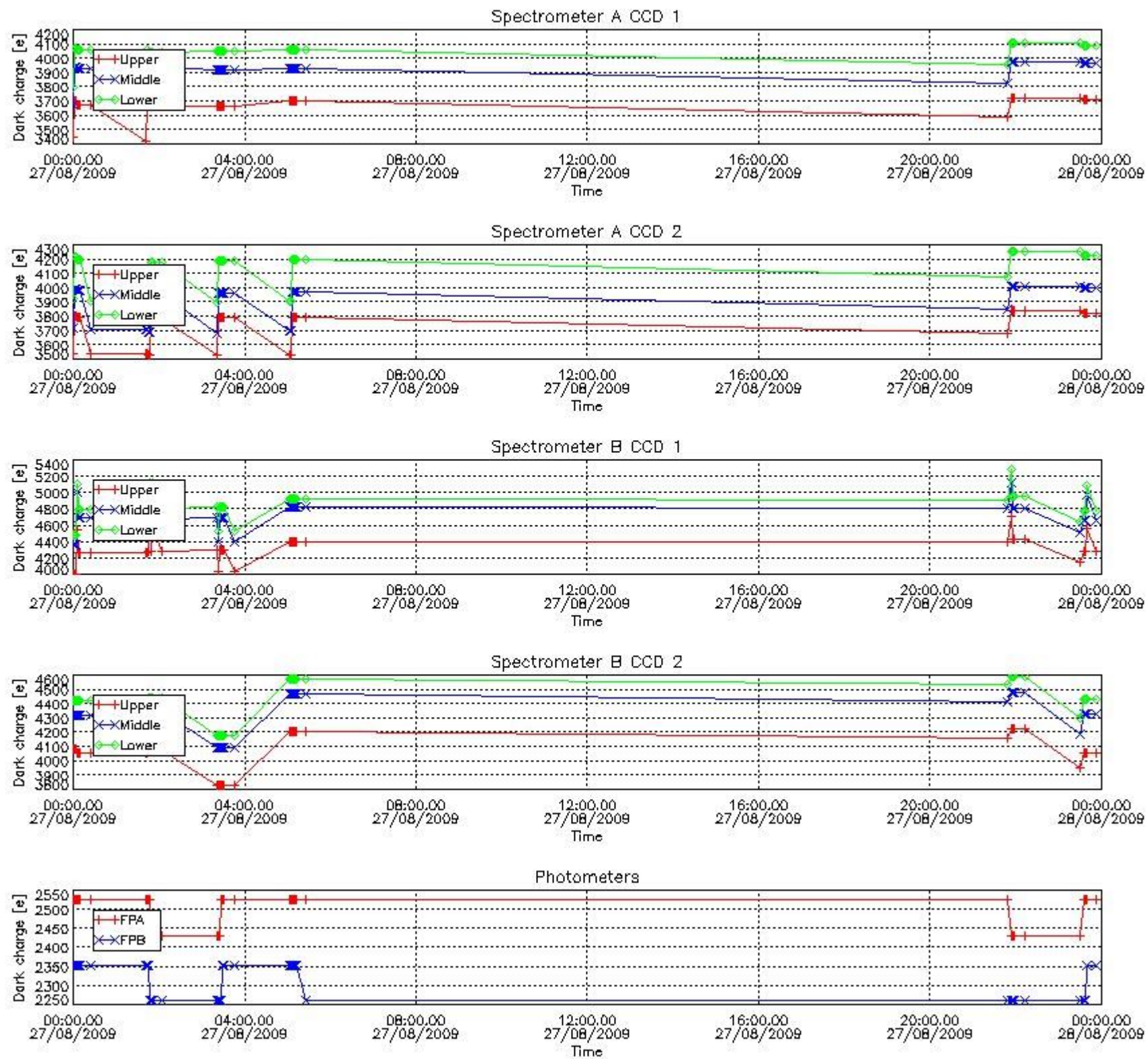
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20090827_204003_000000512082_00043_39175_0078.N1	DC map with no T dep.
GOM_TRA_1PNPDE20090827_204630_000000472082_00043_39175_0079.N1	DC map used
GOM_TRA_1PNPDE20090827_205616_000000412082_00043_39175_0080.N1	DC map used
GOM_TRA_1PNPDE20090827_205918_000000562082_00043_39175_0081.N1	DC map used
GOM_TRA_1PNPDE20090827_210244_000000252082_00043_39175_0082.N1	DC map used
GOM_TRA_1PNPDE20090827_210652_000000452082_00043_39175_0083.N1	DC map used
GOM_TRA_1PNPDE20090827_211740_000000462082_00043_39175_0084.N1	DC map used
GOM_TRA_1PNPDE20090827_211952_000000442082_00043_39175_0085.N1	DC map used
GOM_TRA_1PNPDE20090827_213407_000000602082_00043_39175_0086.N1	DC map used
GOM_TRA_1PNPDE20090827_213734_000000472082_00043_39175_0087.N1	DC map used
GOM_TRA_1PNPDE20090827_214108_000000632082_00043_39175_0088.N1	DC map used
GOM_TRA_1PNPDE20090827_214408_000000432082_00043_39175_0089.N1	DC map used
GOM_TRA_1PNPDE20090827_214822_000000712082_00043_39175_0090.N1	DC map used

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



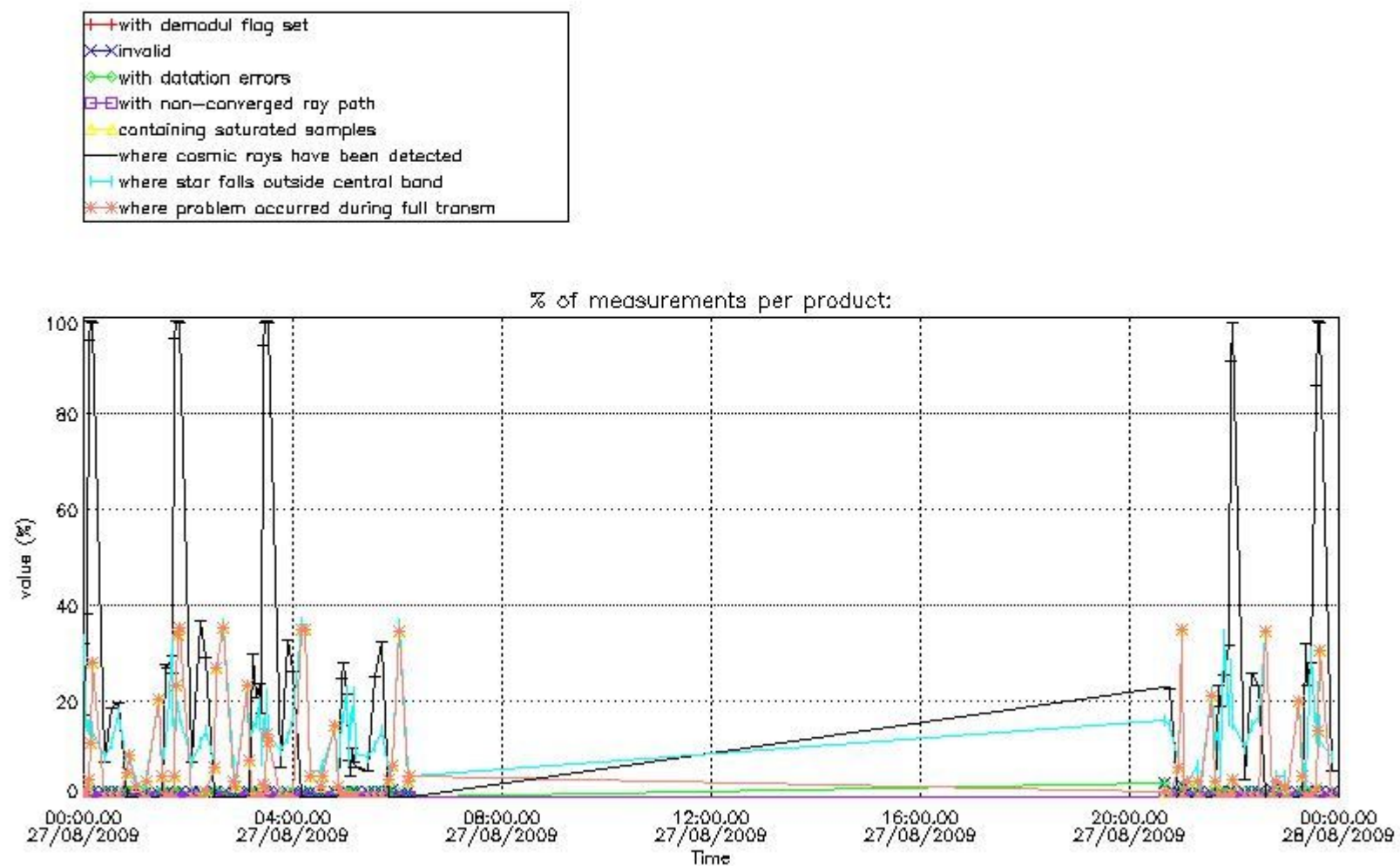
#### 5. Demodulation flag and quality information monitoring

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

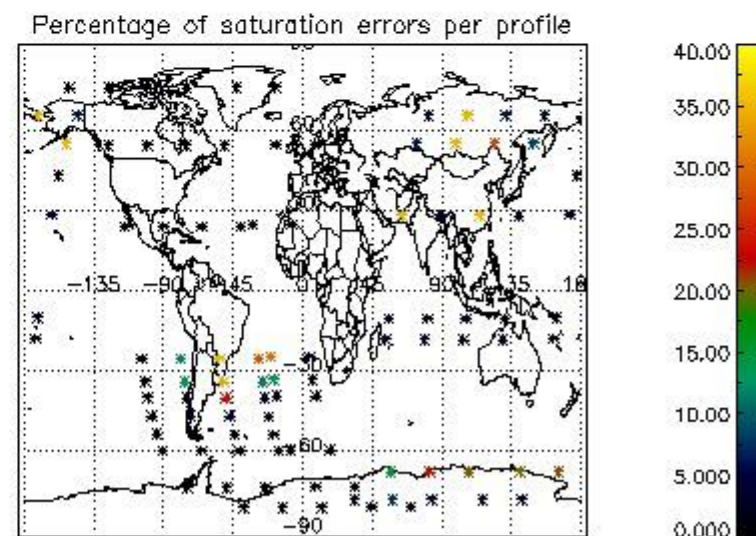
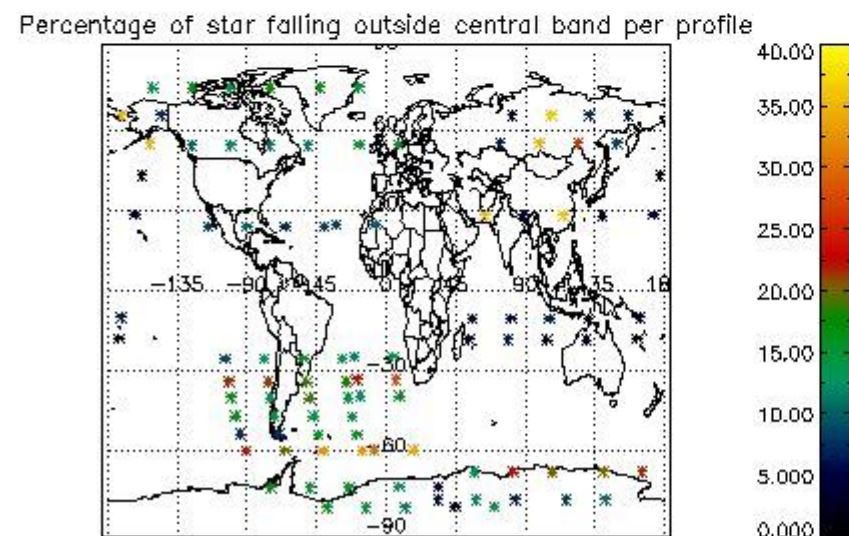
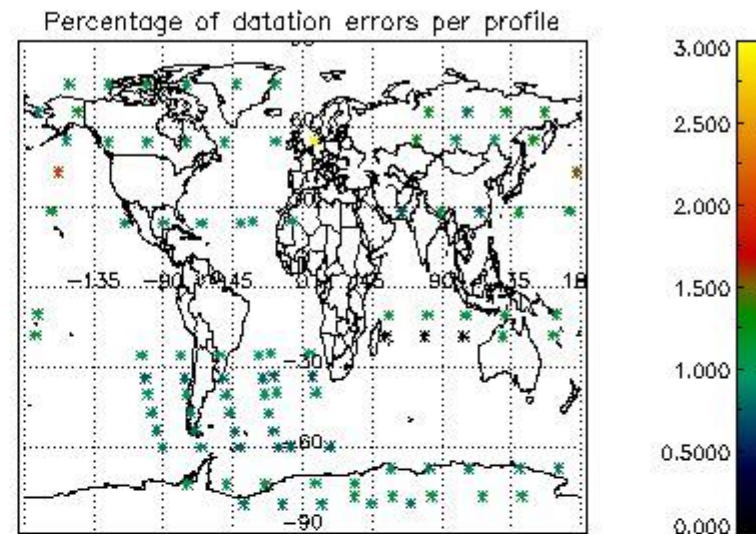
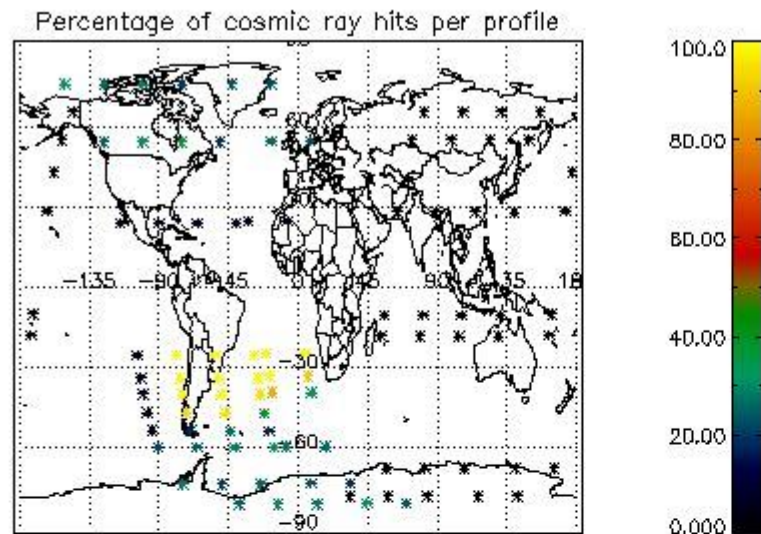
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	42.5743 %
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)

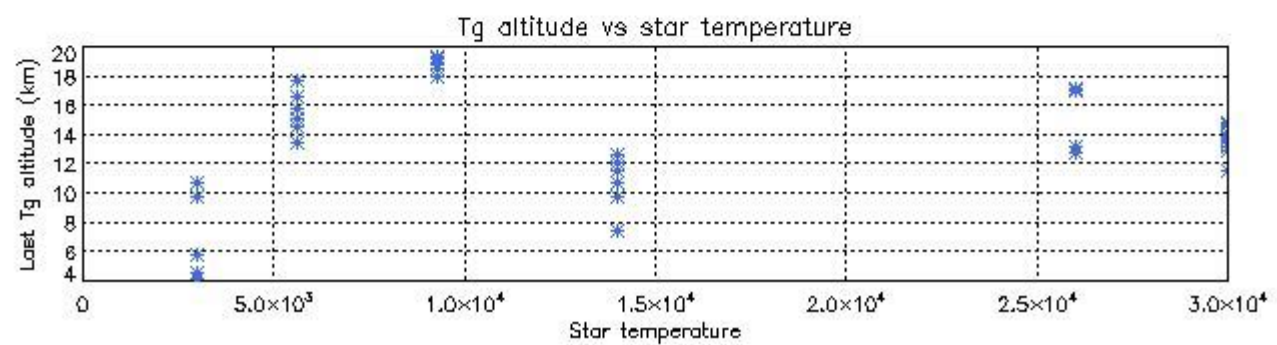
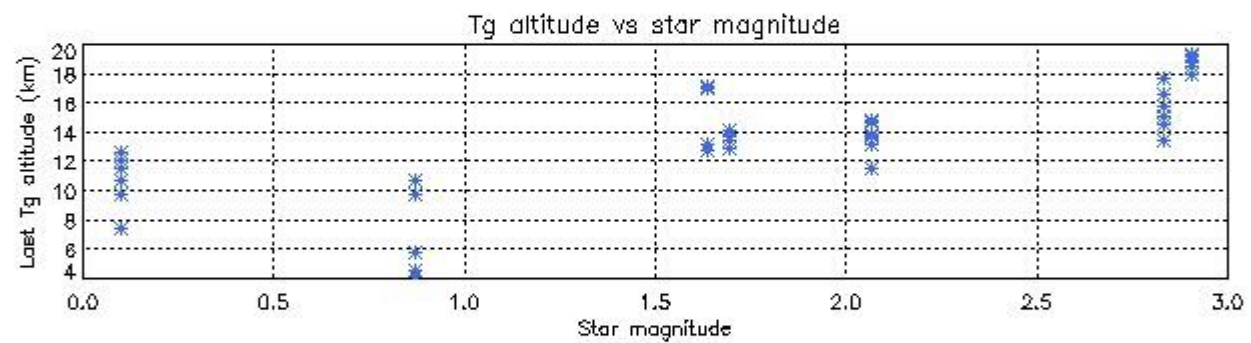
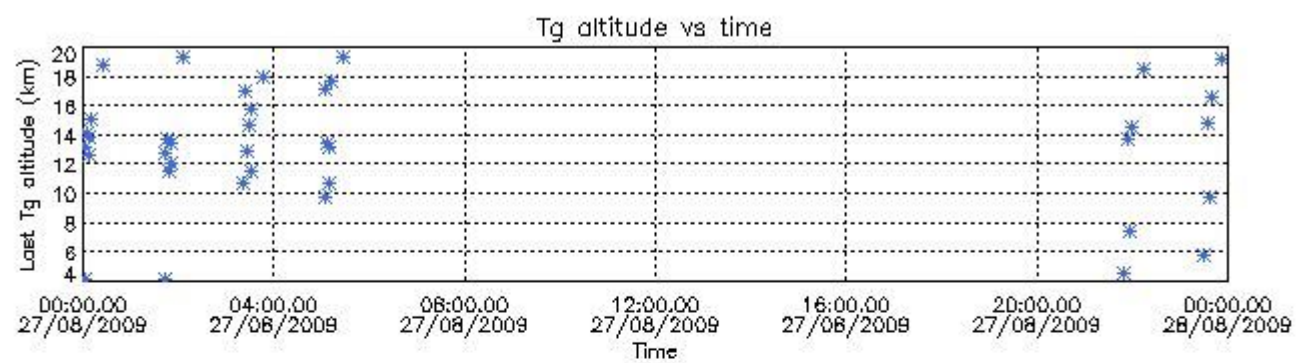
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.288	16.953	NaN
St. deviation:	4.1677	7.1490	NaN
Maximum:	19.335	26.965	NaN
Minimum:	4.1044	3.0046	NaN
Number of data:	38.000	39.000	NaN

### 6.2 Plot for DARK limb products

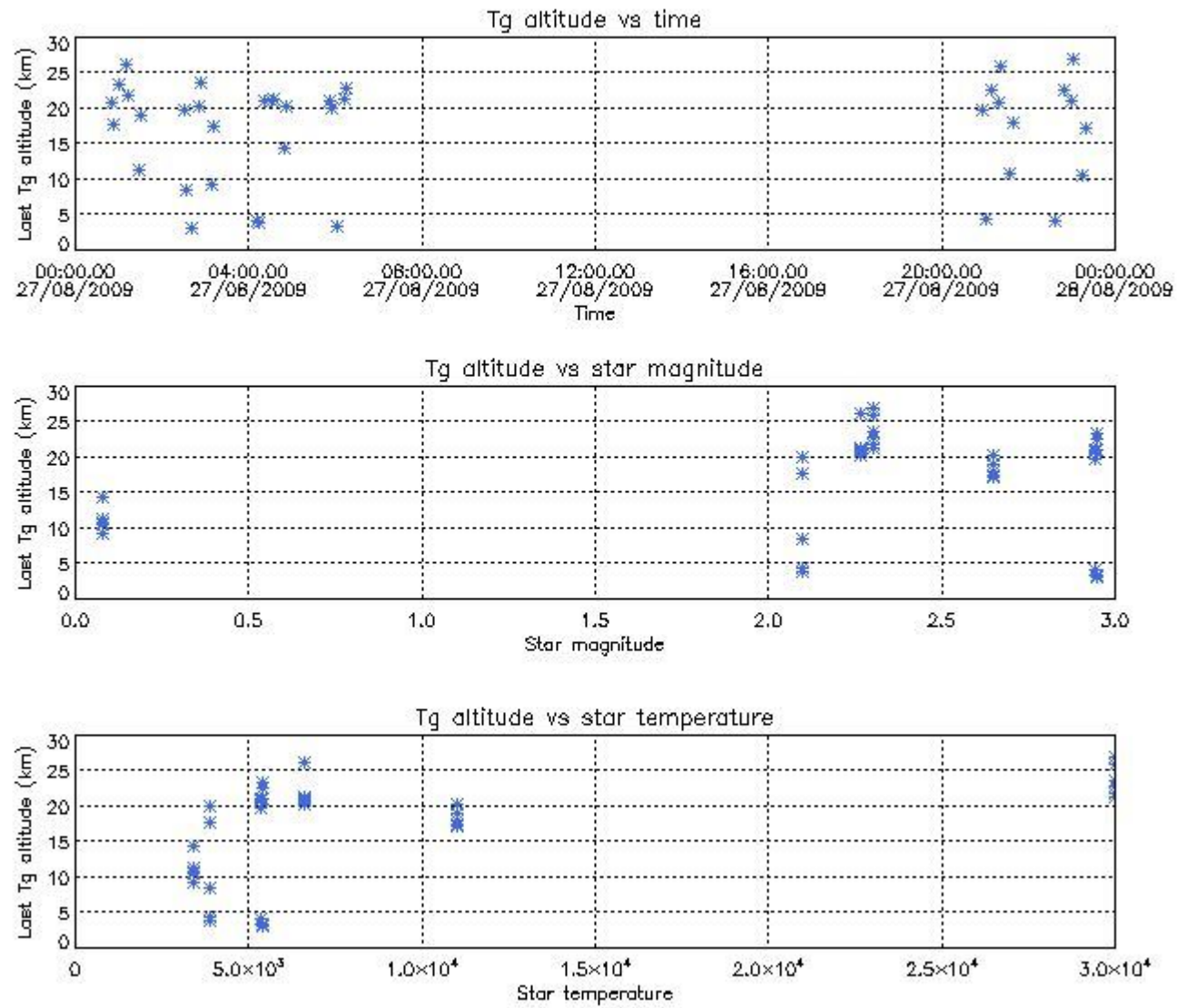


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

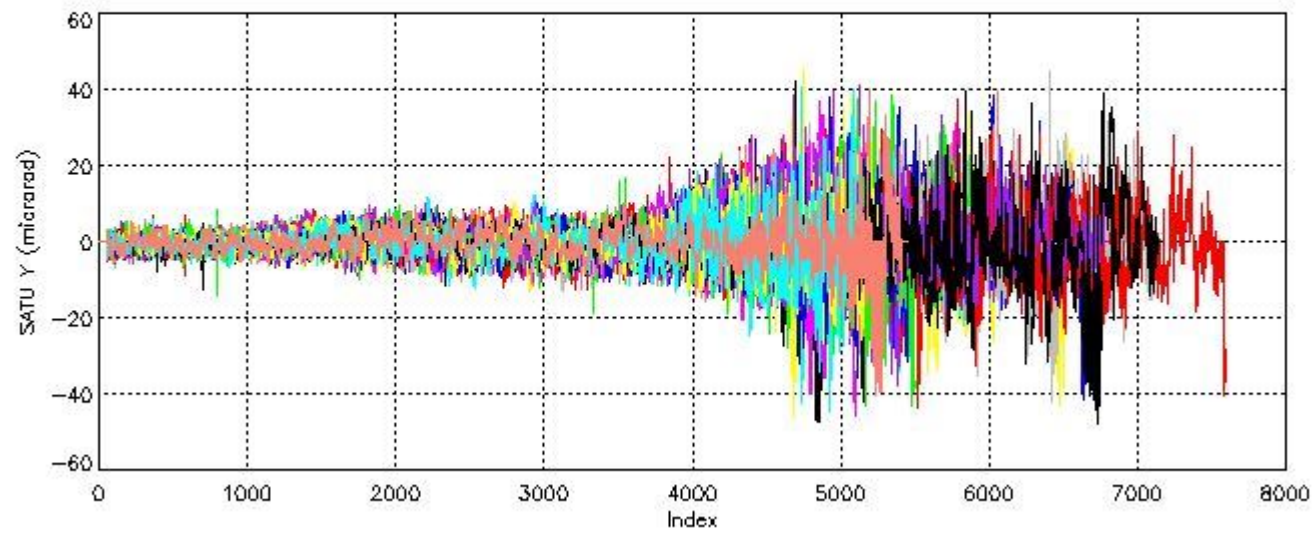
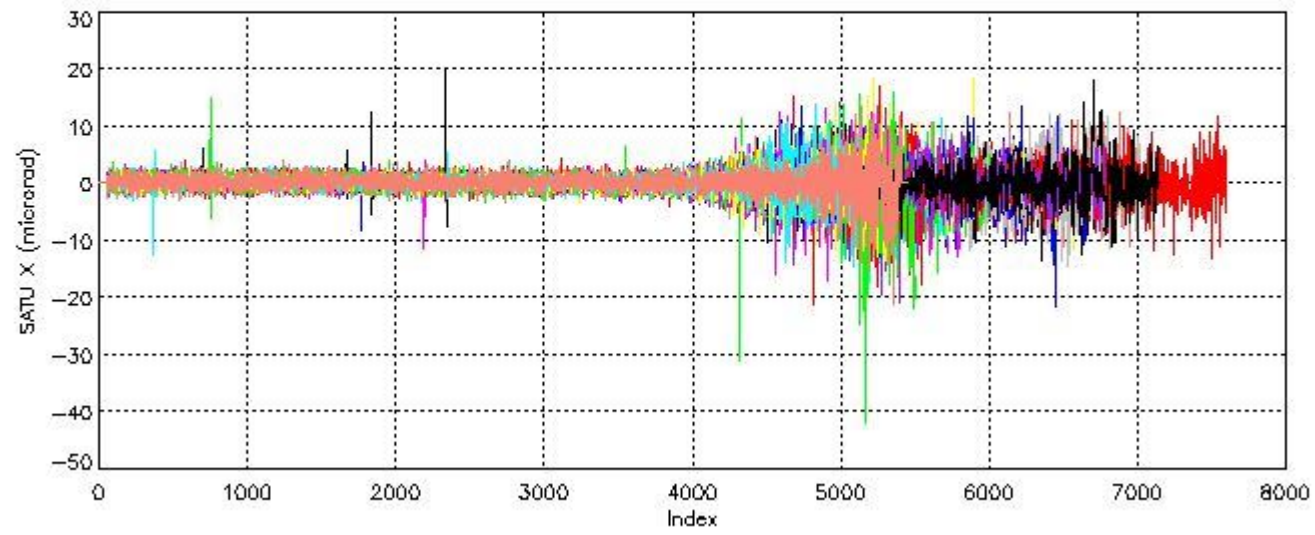


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.29206	-0.43638	0.28131	-0.44168
St. deviation:	0.53021	1.4432	0.71988	1.6327
Maximum:	14.800	8.2000	4.0000	7.7000
Minimum:	-12.600	-14.200	-4.1000	-8.7000

Number of data:	47400.	47400.	40750.	40750.
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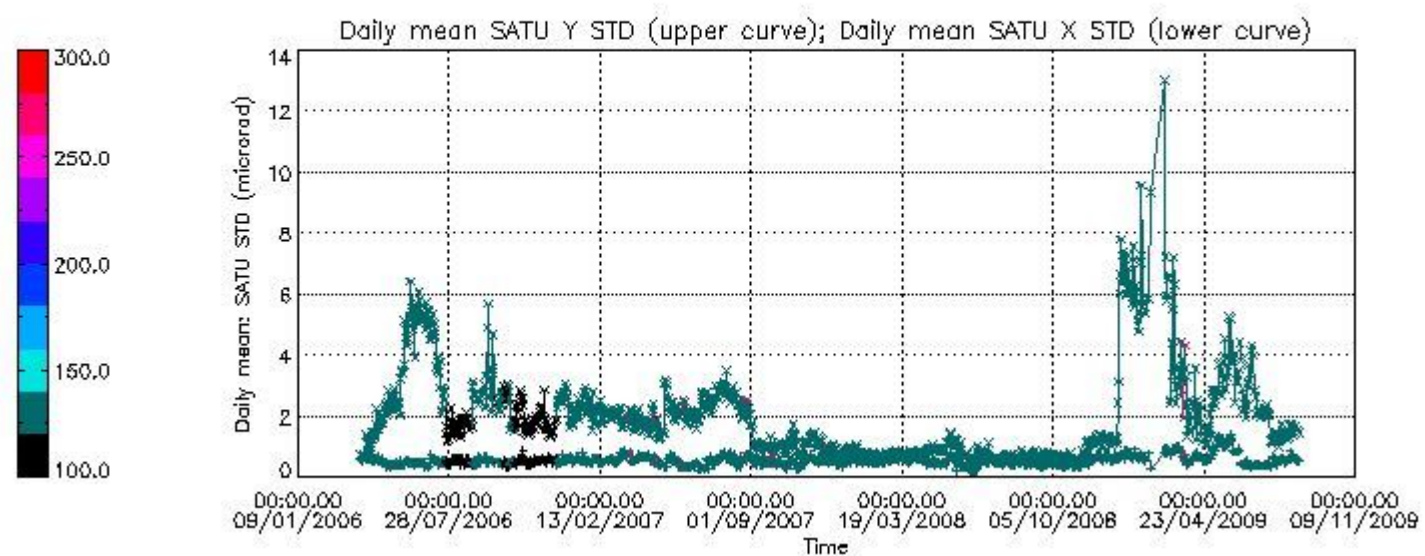
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

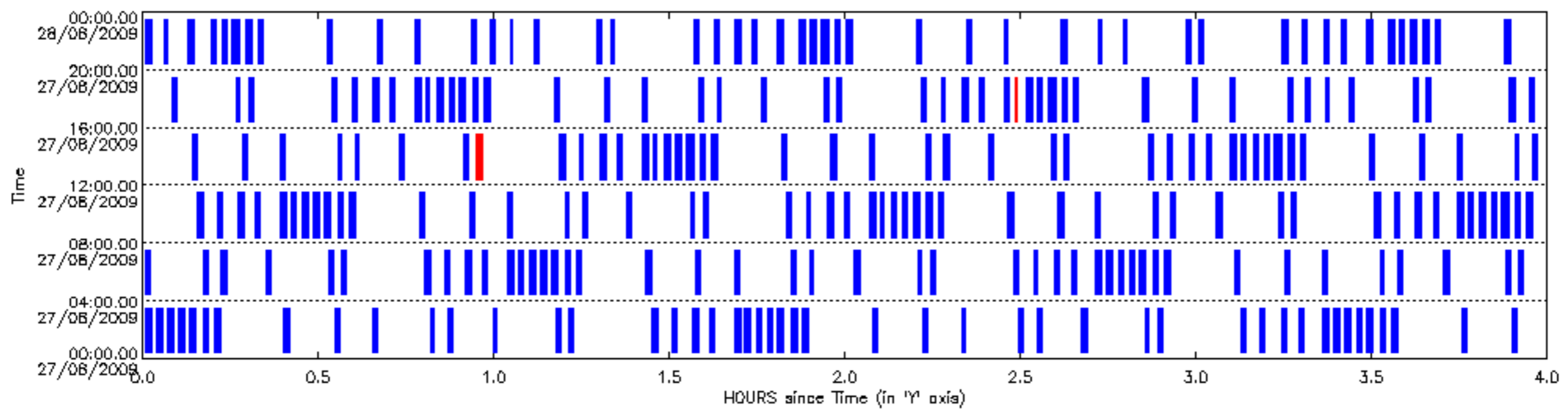
Lower curve: STD of SATU X axis

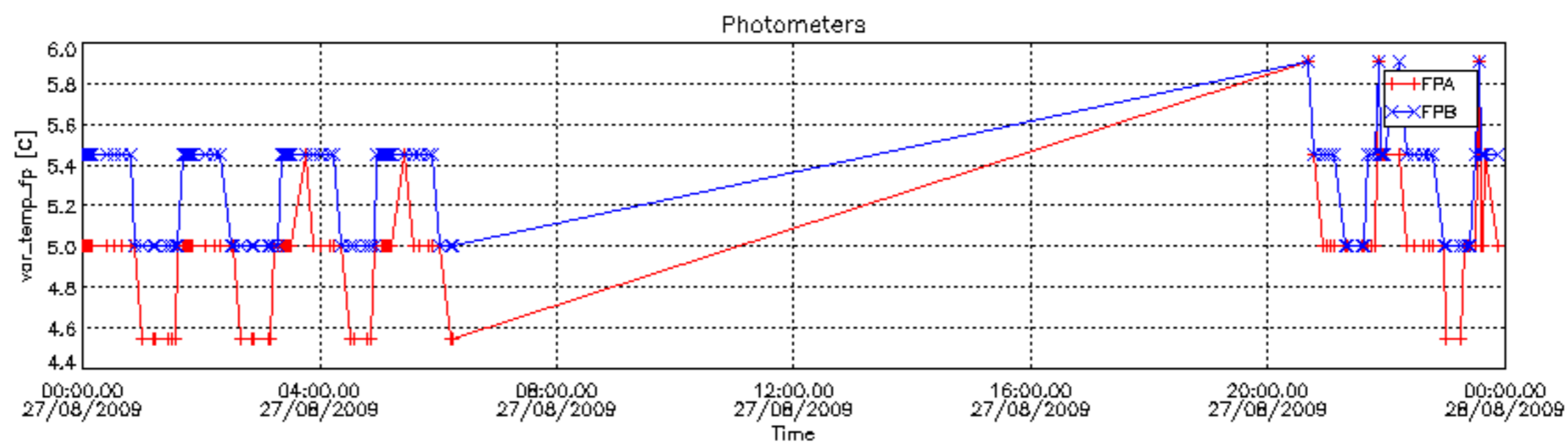
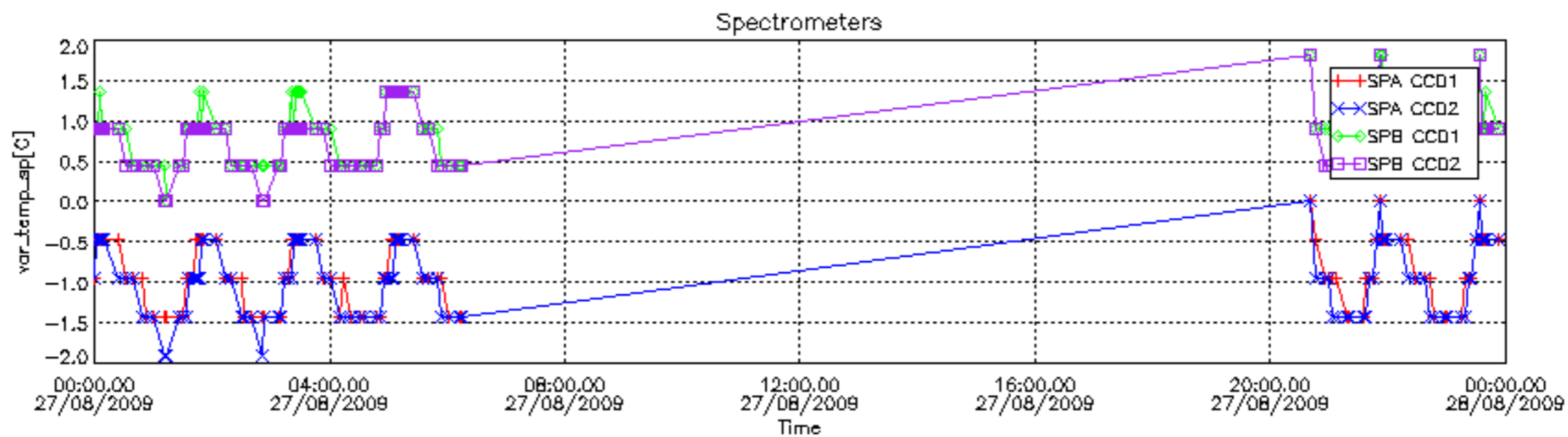


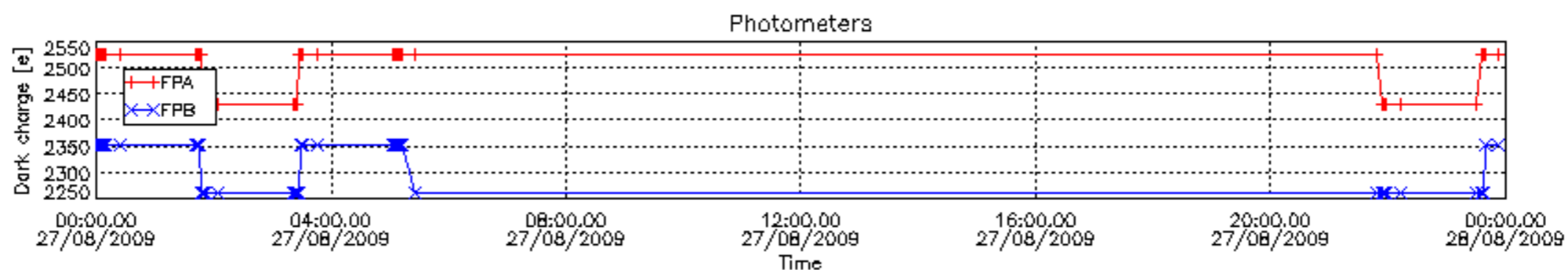
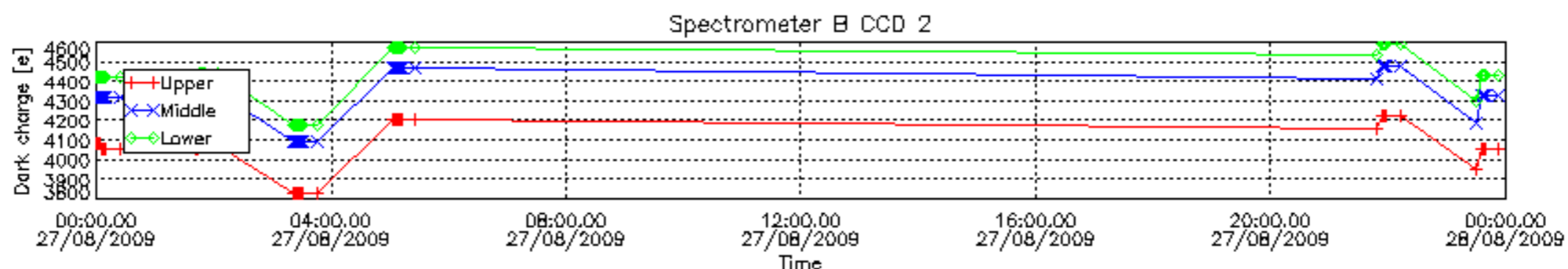
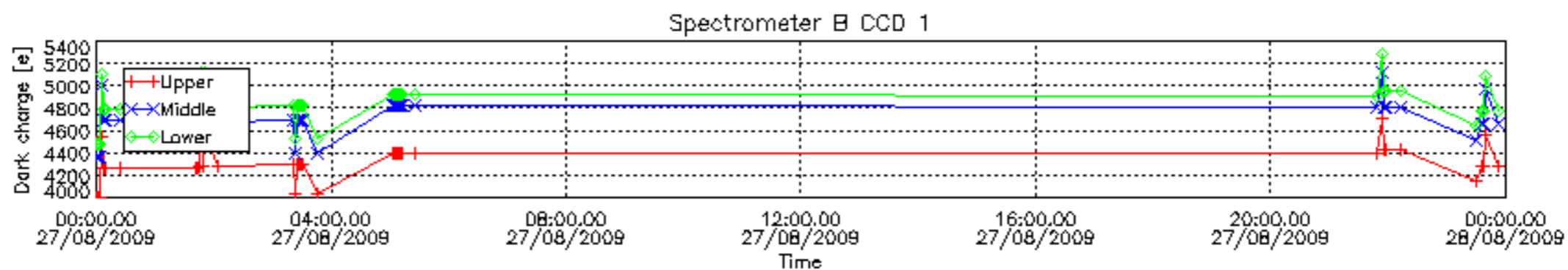
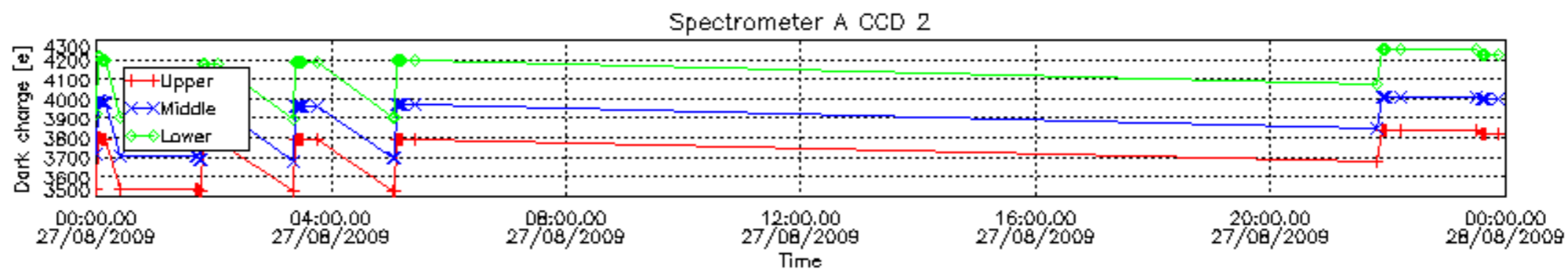
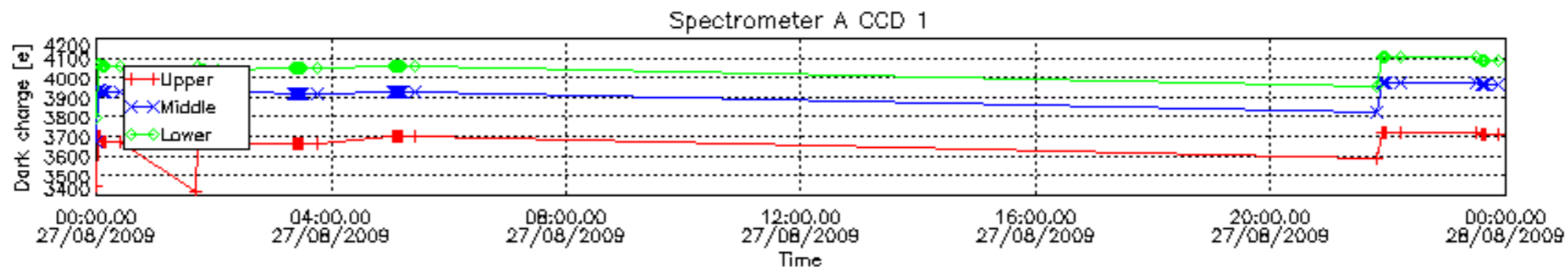
### 8. Auxiliary Data Files used for the production reported in section 2.4

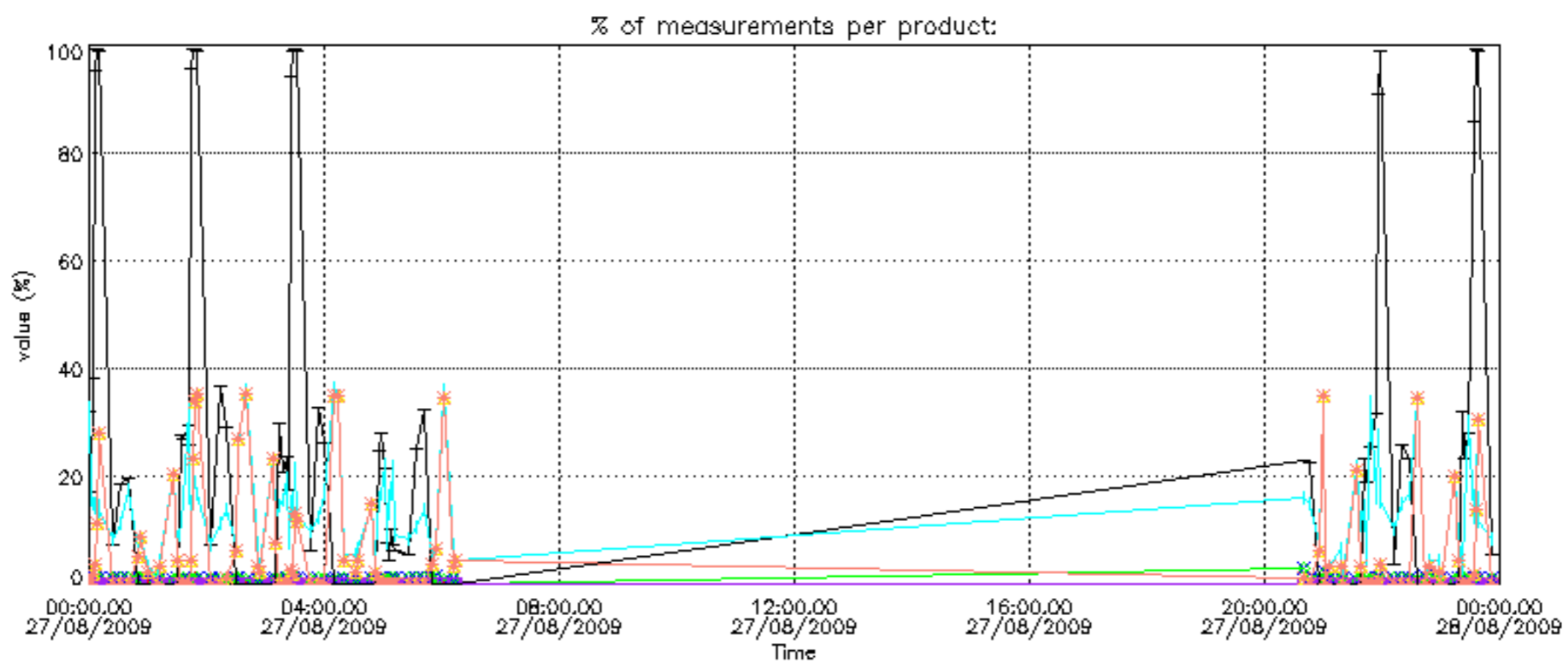
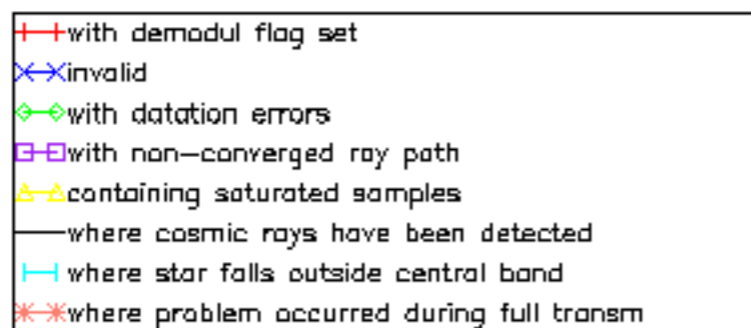
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	27-AUG-2009 00:00:26
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090818_144743_20090816_000000_20100101_000000	1	27-AUG-2009 00:00:26
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	27-AUG-2009 00:00:26
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	27-AUG-2009 00:00:26
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	27-AUG-2009 00:00:26
ECMWF_FILE	AUX_ECF_AXNECM20090826_064111_20090826_210000_20090827_090000	1	27-AUG-2009 00:00:26
ECMWF_FILE	AUX_ECF_AXNECM20090826_184110_20090827_030000_20090827_150000	33	27-AUG-2009 03:07:34
ECMWF_FILE	AUX_ECF_AXNECM20090827_064110_20090827_150000_20090828_030000	69	27-AUG-2009 20:40:03
ECMWF_FILE	AUX_ECF_AXNECM20090827_064111_20090827_210000_20090828_090000	82	27-AUG-2009 21:52:12
OPTIONAL_ECMWF_FILE	MISSING	1	27-AUG-2009 00:00:26
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090826_210738_000041442082_00029_39161_8634.N1	1	27-AUG-2009 00:00:26
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090826_222201_000057382082_00029_39161_8635.N1	4	27-AUG-2009 00:06:09
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090827_000258_000057382082_00030_39162_8636.N1	21	27-AUG-2009 01:44:49
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090827_025259_000057382082_00032_39164_8638.N1	33	27-AUG-2009 03:07:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090827_043356_000057382082_00033_39165_8639.N1	51	27-AUG-2009 04:48:10
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090827_203537_000041442082_00043_39175_8640.N1	69	27-AUG-2009 20:40:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090827_215000_000057382082_00043_39175_8641.N1	99	27-AUG-2009 23:32:49



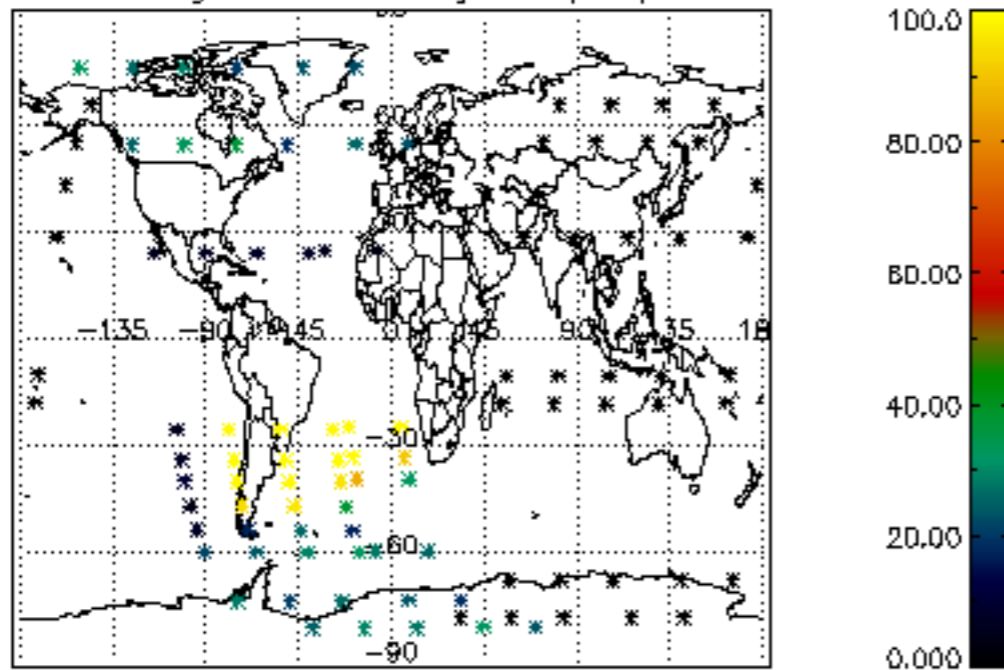




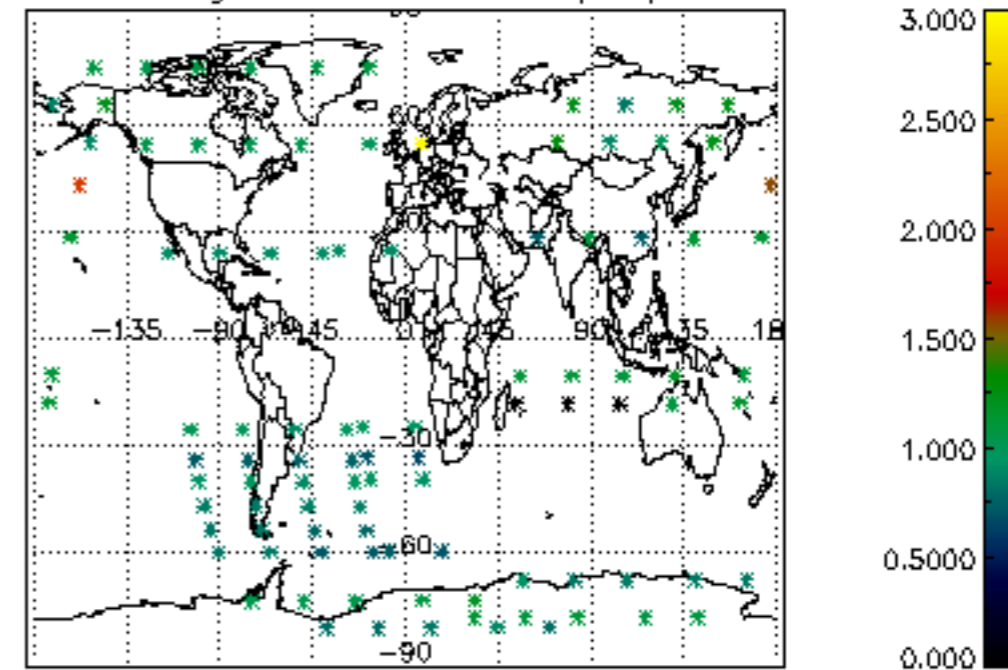




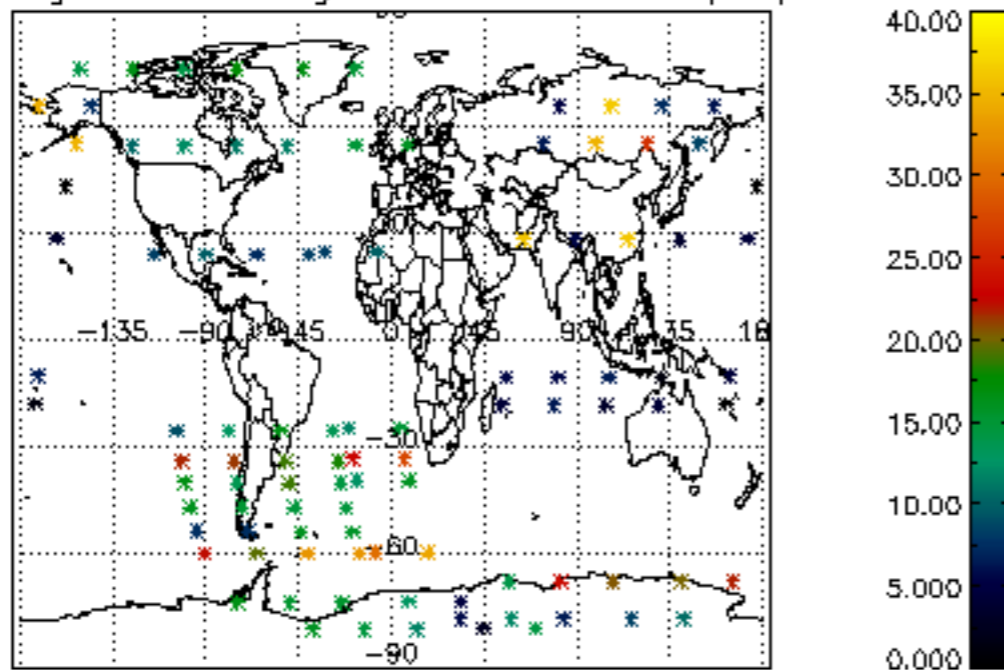
Percentage of cosmic ray hits per profile



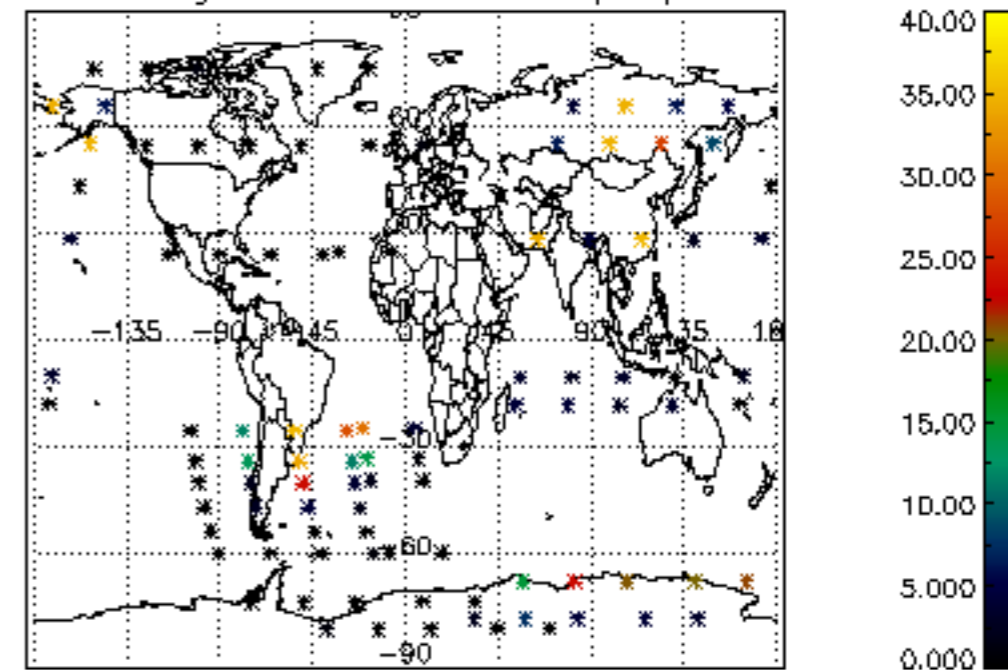
Percentage of datation errors per profile



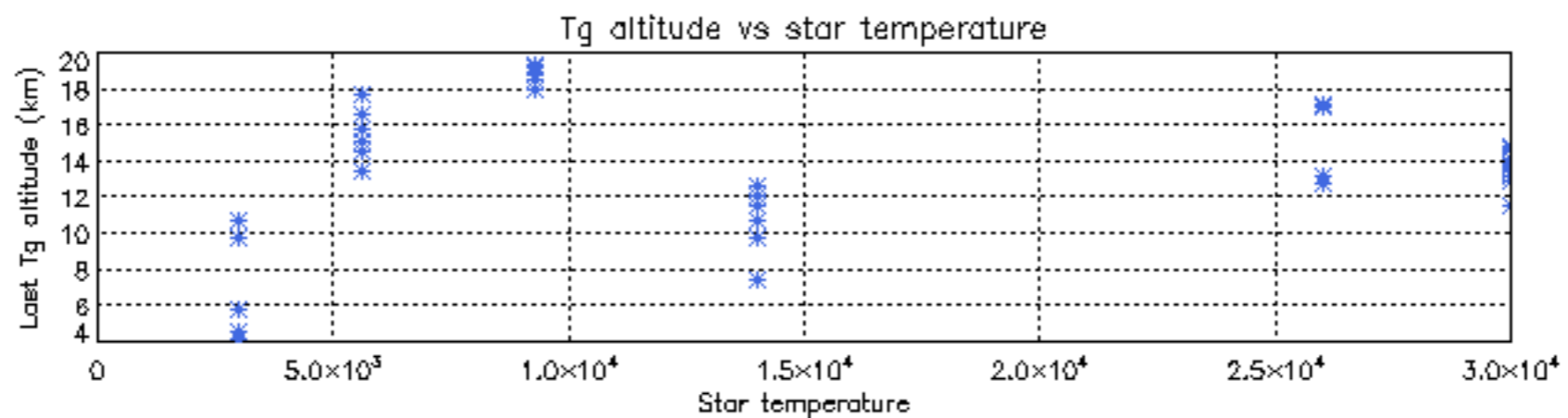
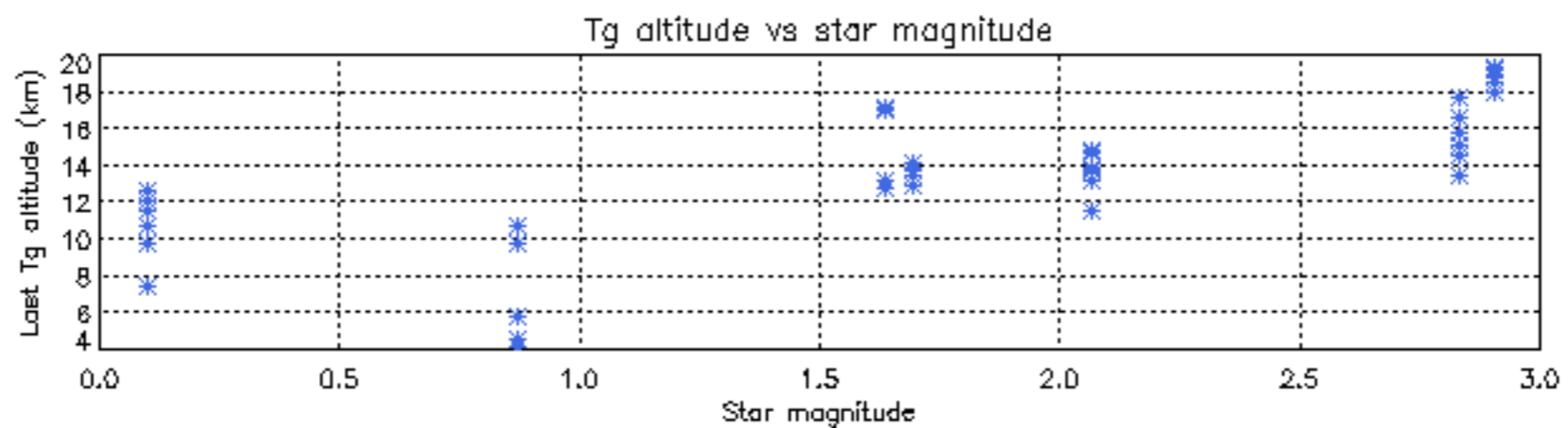
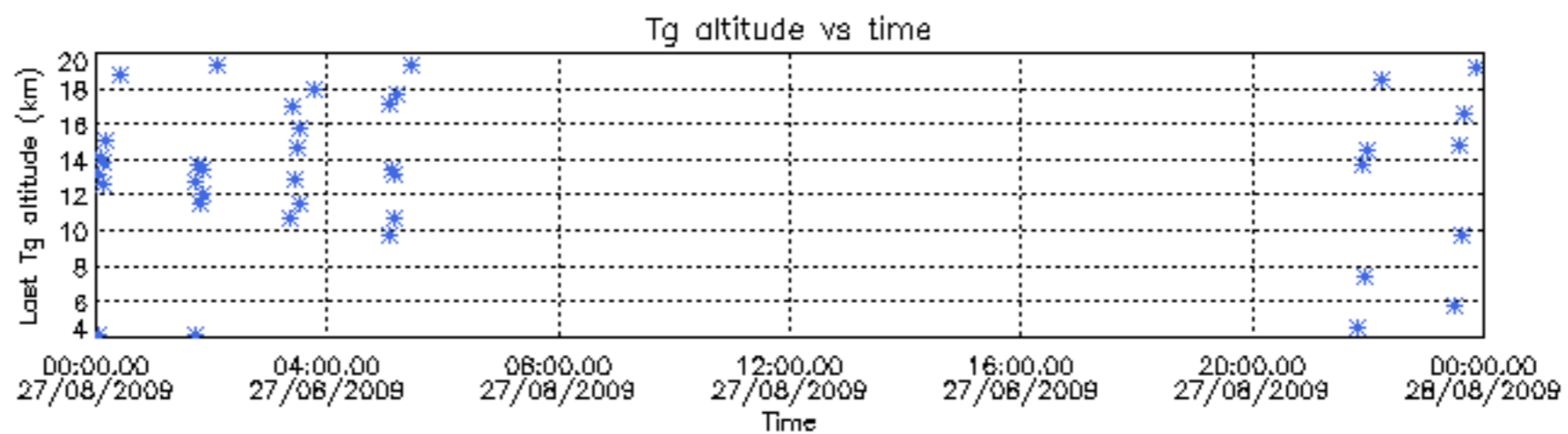
Percentage of star falling outside central band per profile



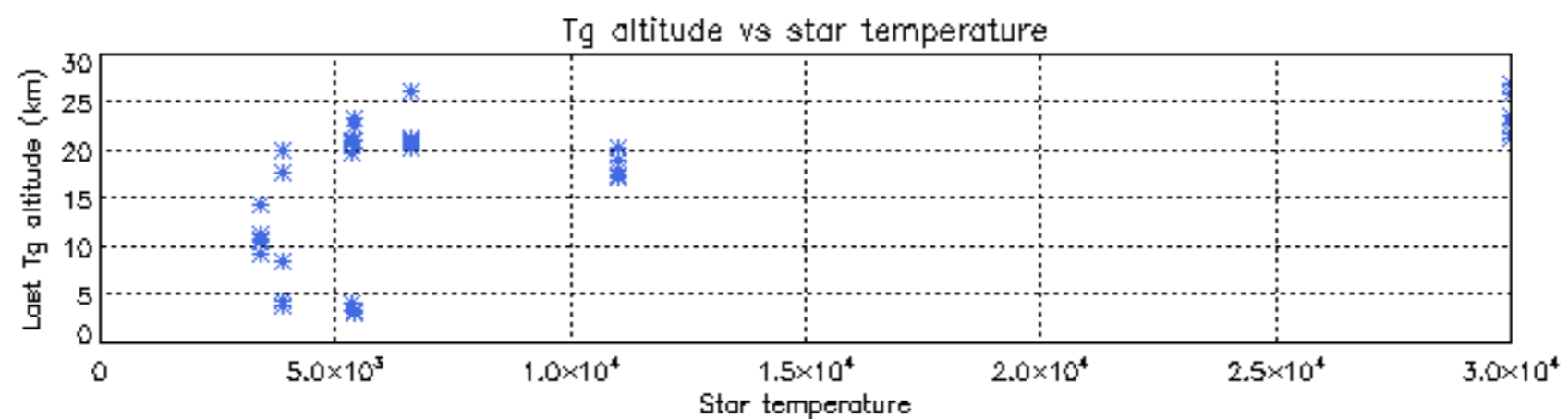
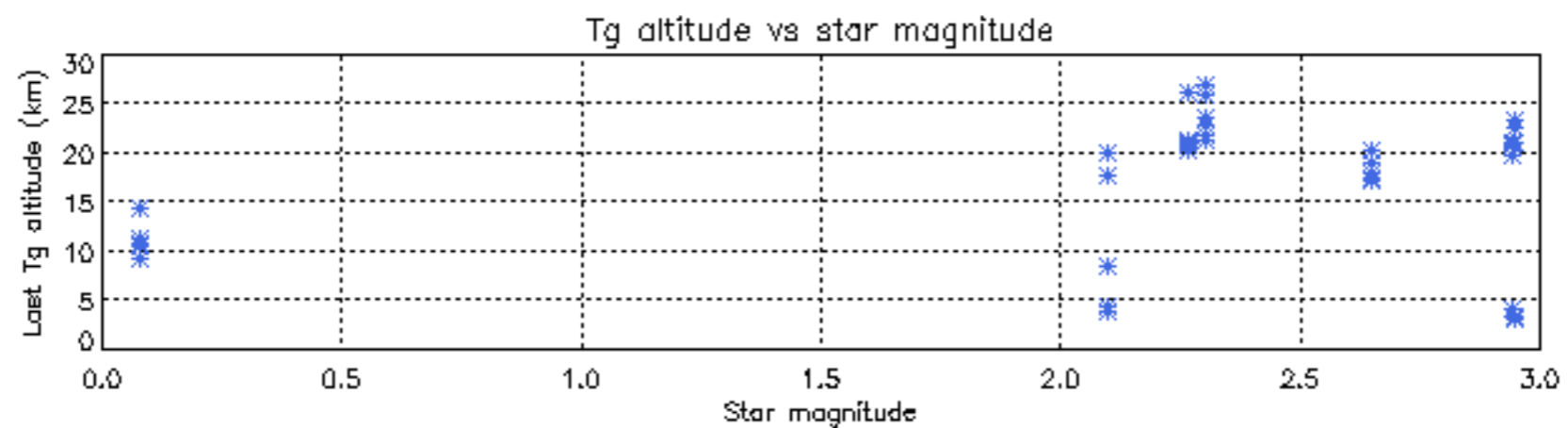
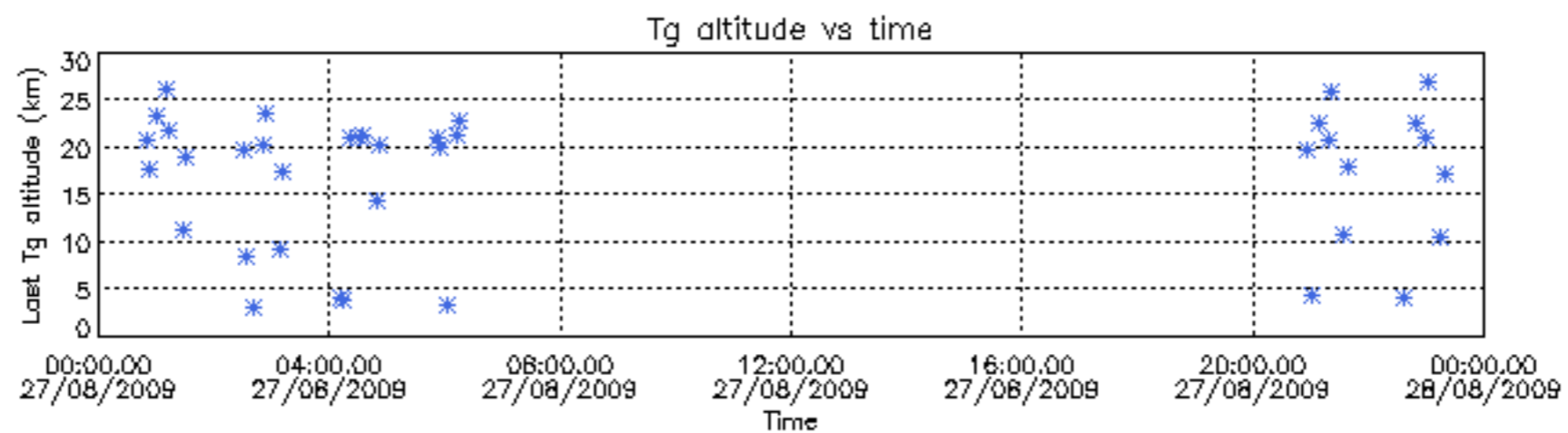
Percentage of saturation errors per profile

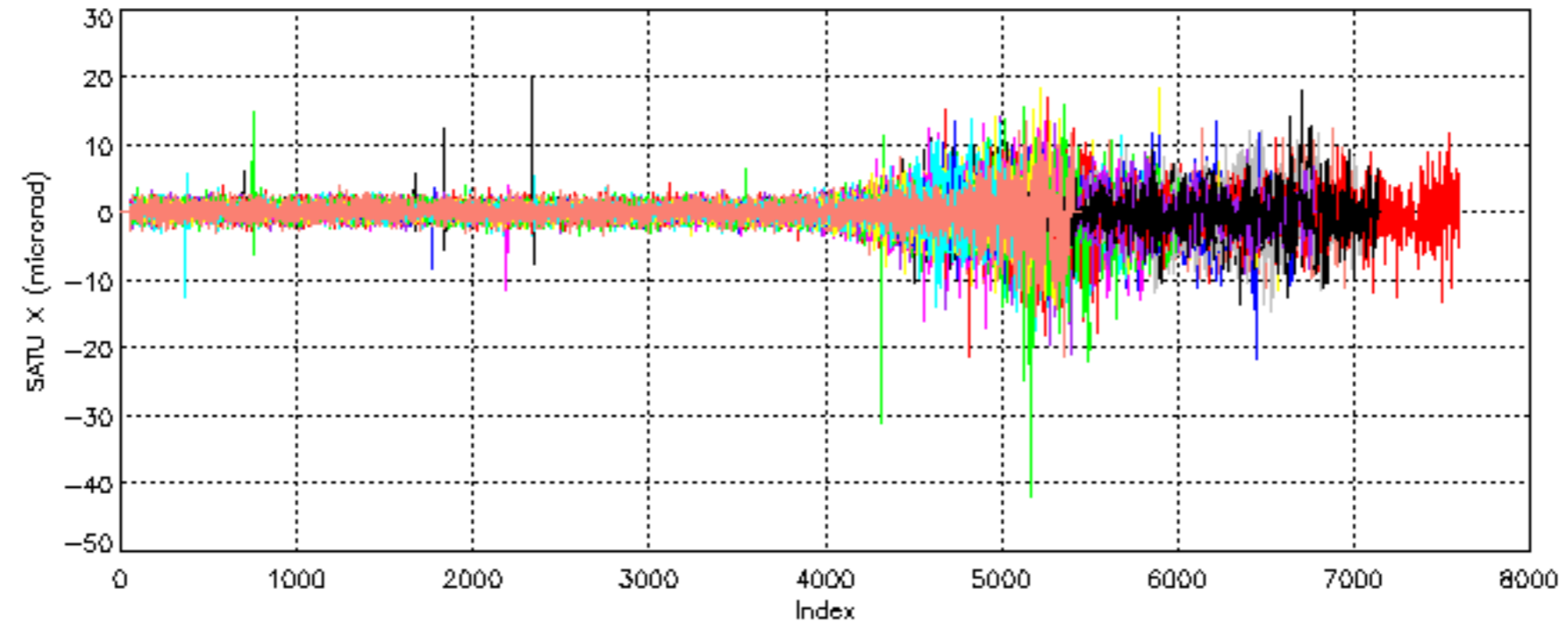


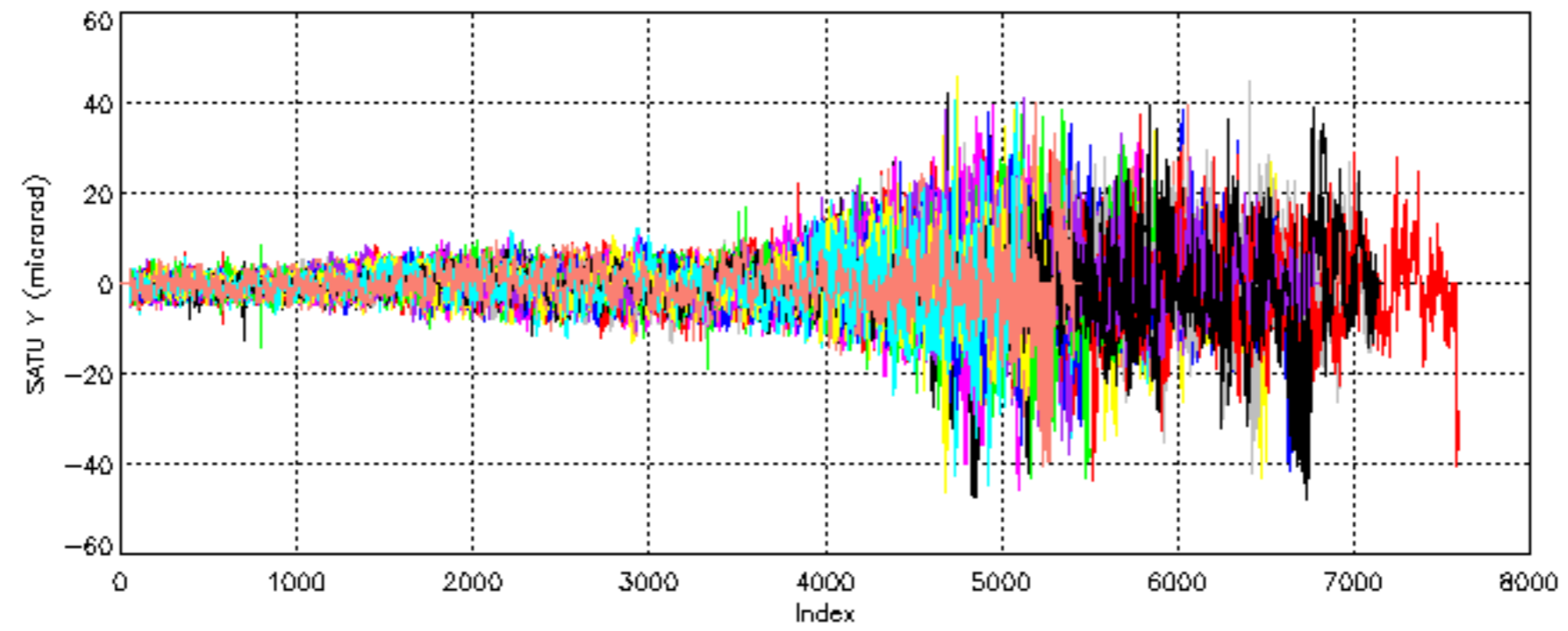
Tangent altitude at which the star is lost

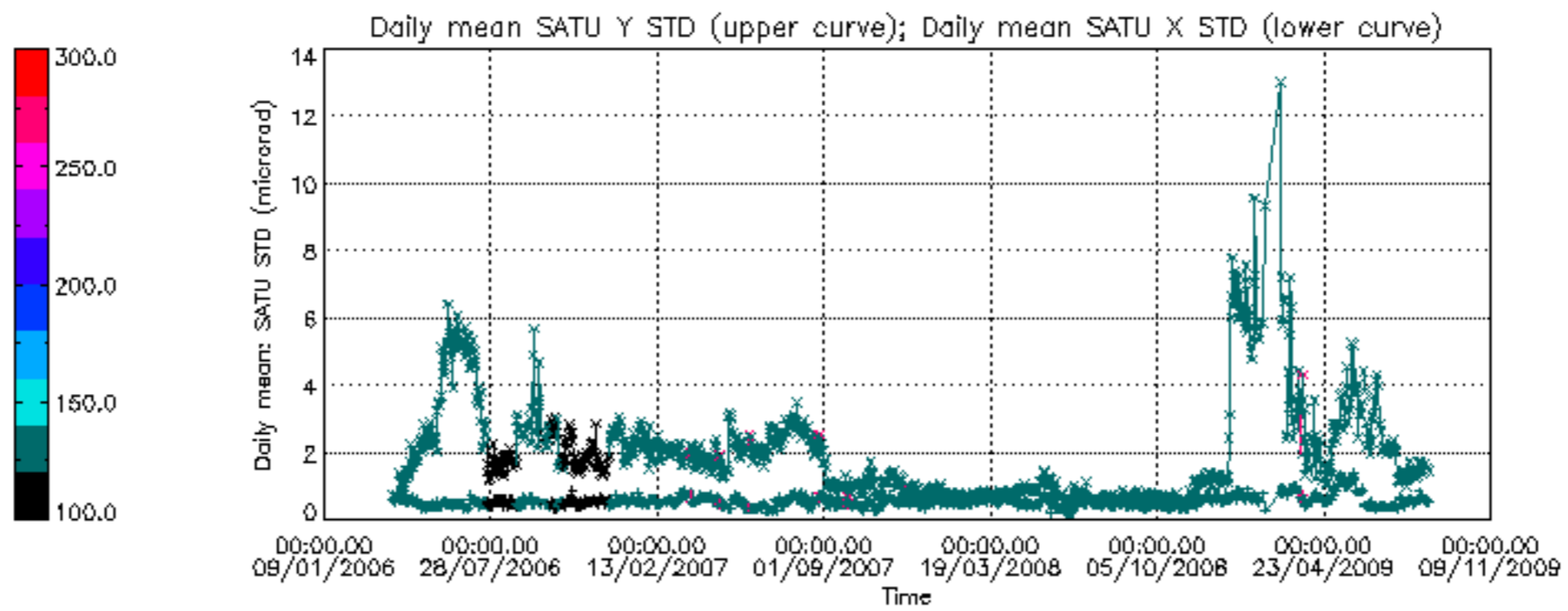


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20090801\_002250\_000055632081\_00159\_38790\_8268.N1

1; -711.5; 01-AUG-2009 00:22:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 71;38790  
 2; -588.9; 01-AUG-2009 00:24:53; Dark ; 55.5; 165; 34Gam Eri ; 2.95; 3200;occ; 111; 0;38790  
 3; -23.8; 01-AUG-2009 00:34:18; Dark ; 44.5; 157; The1Eri ; 2.91; 9300;occ; 89; 0;38790  
 4; 593.0; 01-AUG-2009 00:44:35; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38791  
 5; 919.4; 01-AUG-2009 00:50:01; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;38791  
 6; 1107.9; 01-AUG-2009 00:53:10; Dark ; 44.5; 172; Gam Gru ; 3.00; 13100;occ; 89; 0;38791  
 7; 1570.1; 01-AUG-2009 01:00:52; Bright; 53.0; 142; 49Del Cap ; 2.85; 8900;occ; 106; 0;38791  
 8; 1823.7; 01-AUG-2009 01:05:06; Bright; 54.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 108; 0;38791  
 9; 2579.6; 01-AUG-2009 01:17:41; Bright; 42.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 85; 0;38791  
 10; 2766.4; 01-AUG-2009 01:20:48; Bright; 61.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 122; 0;38791  
 11; 3090.9; 01-AUG-2009 01:26:13; Bright; 36.0; 89; 5Alp Cep ; 2.45; 8000;occ; 72; 0;38791  
 12; 3478.8; 01-AUG-2009 01:32:41; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38791  
 13; 3596.5; 01-AUG-2009 01:34:38; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38791  
 14; 3979.2; 01-AUG-2009 01:41:01; Bright; 46.5; 160; 23Gam Per ; 2.93; 4700;occ; 93; 0;38791  
 15; 4078.5; 01-AUG-2009 01:42:40; Bright; 50.0; 35; 33Alp Per ; 1.79; 6250;occ; 100; 0;38791  
 16; 4315.6; 01-AUG-2009 01:46:37; Bright; 47.5; 149; 45Eps Per ; 2.89; 30000;occ; 95; 0;38791  
 17; 4501.5; 01-AUG-2009 01:49:43; Dark ; 54.5; 150; 44Zet Per ; 2.89; 28000;occ; 109; 0;38791  
 18; 4789.6; 01-AUG-2009 01:54:32; Dark ; 62.5; 13; 87Alp Tau ; 0.87; 3800;occ; 125; 0;38791

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20090801\_020252\_000043462081\_00160\_38791\_8269.N1

1; -746.0; 01-AUG-2009 02:02:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38791  
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 8; 1823.6; 01-AUG-2009 02:45:41; Bright; 53.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 106; 0;38792  
 9; 2579.1; 01-AUG-2009 02:58:17; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;38792  
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 11; 3090.6; 01-AUG-2009 03:06:48; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;38792  
 12; 3478.4; 01-AUG-2009 03:13:16; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38792  
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 13; 1570.6; 01-AUG-2009 04:22:04; Bright; 52.0; 142; 49Del Cap ; 2.85; 8900;occ; 104; 0;38793  
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 15; 2578.6; 01-AUG-2009 04:38:52; Bright; 43.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 87; 0;38793  
 16; 2765.5; 01-AUG-2009 04:41:59; Bright; 42.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 84; 0;38793  
 17; 3090.1; 01-AUG-2009 04:47:24; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38793  
 18; 3477.5; 01-AUG-2009 04:53:51; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;38793  
 19; 3595.3; 01-AUG-2009 04:55:49; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;38793

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 9; 596.4; 01-AUG-2009 05:46:26; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;38794  
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 11; 1109.5; 01-AUG-2009 05:54:59; Dark ; 45.0; 172; Gam Gru ; 3.00; 13100;occ; 90; 0;38794  
 12; 1570.5; 01-AUG-2009 06:02:40; Bright; 53.5; 142; 49Del Cap ; 2.85; 8900;occ; 107; 0;38794  
 13; 1823.1; 01-AUG-2009 06:06:53; Bright; 53.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 106; 0;38794  
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17; 3476.7; 01-AUG-2009 06:34:27; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;38794
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 8; 3588.3; 01-AUG-2009 21:41:42; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38803
 9; 3974.8; 01-AUG-2009 21:48:08; Bright; 48.0; 160; 23Gam Per ; 2.93; 4700;occ; 96; 0;38803
10; 4075.3; 01-AUG-2009 21:49:49; Bright; 69.0; 35; 33Alp Per ; 1.79; 6250;occ; 138; 0;38803
11; 4315.0; 01-AUG-2009 21:53:48; Bright; 46.5; 149; 45Eps Per ; 2.89; 30000;occ; 93; 0;38803
12; 4503.1; 01-AUG-2009 21:56:56; Dark ; 55.5; 150; 44Zet Per ; 2.89; 28000;occ; 111; 0;38803
13; 4698.7; 01-AUG-2009 22:00:12; Dark ; 59.5; 146; 25Eta Tau ; 2.87; 15200;occ; 119; 0;38803
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 9; 2572.8; 01-AUG-2009 23:05:22; Bright; 47.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 95; 0;38804
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14; 3974.4; 01-AUG-2009 23:28:43; Bright; 70.0; 160; 23Gam Per ; 2.93; 4700;occ; 140; 0;38804
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 4; 607.9; 02-AUG-2009 00:13:13; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;38805
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8; 1811.3; 06-AUG-2009 00:07:24; Bright; 48.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 96; 0;38862
9; 2546.2; 06-AUG-2009 00:19:39; Bright; 60.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 120; 0;38862
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4; 1578.8; 07-AUG-2009 06:14:19; Bright; 46.0; 142; 49Del Cap ; 2.85; 8900;occ; 92; 0;38880
5; 1809.1; 07-AUG-2009 06:18:09; Bright; 47.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 95; 0;38880
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3; 1807.8; 07-AUG-2009 21:23:31; Bright; 67.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 134; 0;38889
4; 2164.4; 07-AUG-2009 21:29:28; Bright; 49.5; 61; 8Eps Peg ; 2.10; 3900;occ; 99; 0;38889
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5; 906.8; 07-AUG-2009 22:49:06; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;38890
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7; 1579.6; 07-AUG-2009 23:00:19; Bright; 67.0; 142; 49Del Cap ; 2.85; 8900;occ; 134; 0;38890
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5; 707.9; 08-AUG-2009 22:14:10; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;38904
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12; 2721.6; 08-AUG-2009 22:47:44; Bright; 57.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 114; 0;38904
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6; 3393.3; 08-AUG-2009 11:14:44; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38897

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8; 3935.1; 08-AUG-2009 11:23:46; Bright; 49.5; 160; 23Gam Per ; 2.93; 4700;occ; 99; 0;38897  
9; 4044.3; 08-AUG-2009 11:25:35; Bright; 51.0; 35; 33Alp Per ; 1.79; 6250;occ; 102; 0;38897  
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11; 4308.7; 08-AUG-2009 11:29:59; Bright; 54.0; 149; 45Eps Per ; 2.89; 30000;occ; 108; 0;38897  
12; 4532.6; 08-AUG-2009 11:33:43; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38897  
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17; 5815.0; 08-AUG-2009 11:55:05; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38897  
18; 6121.8; 08-AUG-2009 12:00:12; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38897  
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21; 7235.7; 08-AUG-2009 12:18:46; Dark ; 60.0; 18; 24Alp PsA ; 1.17; 9700;occ; 120; 0;38897  
22; 7616.4; 08-AUG-2009 12:25:07; Bright; 30.5; 142; 49Del Cap ; 2.85; 8900;occ; 61; 0;38897

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3; 2159.6; 08-AUG-2009 12:34:46; Bright; 74.0; 61; 8Eps Peg ; 2.10; 3900;occ; 148; 0;38898  
4; 2532.6; 08-AUG-2009 12:40:59; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38898  
5; 2723.5; 08-AUG-2009 12:44:10; Bright; 57.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 114; 0;38898  
6; 3049.4; 08-AUG-2009 12:49:36; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38898  
7; 3392.4; 08-AUG-2009 12:55:19; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38898  
8; 3520.5; 08-AUG-2009 12:57:27; Bright; 49.5; 76; 27Gam Cas ; 2.30; 30000;occ; 99; 0;38898  
9; 3934.6; 08-AUG-2009 13:04:21; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;38898  
10; 4043.9; 08-AUG-2009 13:06:10; Bright; 54.0; 35; 33Alp Per ; 1.79; 6250;occ; 108; 0;38898  
11; 4200.0; 08-AUG-2009 13:08:46; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;38898  
12; 4308.6; 08-AUG-2009 13:10:35; Bright; 52.5; 149; 45Eps Per ; 2.89; 30000;occ; 105; 0;38898  
13; 4533.0; 08-AUG-2009 13:14:19; Dark ; 47.5; 28; 12Bet Tau ; 1.65; 15200;occ; 95; 0;38898  
14; 4664.6; 08-AUG-2009 13:16:31; Dark ; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;38898  
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18; 5566.0; 08-AUG-2009 13:31:32; Dark ; 67.5; 165; 34Gam Eri ; 2.95; 3200;occ; 135; 0;38898  
19; 5815.8; 08-AUG-2009 13:35:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38898  
20; 6123.0; 08-AUG-2009 13:40:49; Dark ; 48.0; 157; The1Eri ; 2.91; 9300;occ; 96; 0;38898  
21; 6739.0; 08-AUG-2009 13:51:05; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;38898  
22; 6947.5; 08-AUG-2009 13:54:34; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;38898  
23; 7236.2; 08-AUG-2009 13:59:23; Dark ; 57.5; 18; 24Alp PsA ; 1.17; 9700;occ; 115; 0;38898

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3; 2158.9; 08-AUG-2009 14:15:21; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38899  
4; 2532.3; 08-AUG-2009 14:21:35; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38899  
5; 2723.3; 08-AUG-2009 14:24:46; Bright; 40.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 81; 0;38899  
6; 3049.2; 08-AUG-2009 14:30:11; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38899  
7; 3391.7; 08-AUG-2009 14:35:54; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;38899  
8; 3519.7; 08-AUG-2009 14:38:02; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38899  
9; 3934.3; 08-AUG-2009 14:44:57; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38899  
10; 4043.8; 08-AUG-2009 14:46:46; Bright; 54.0; 35; 33Alp Per ; 1.79; 6250;occ; 108; 0;38899  
11; 4200.1; 08-AUG-2009 14:49:22; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;38899  
12; 4308.6; 08-AUG-2009 14:51:11; Bright; 51.5; 149; 45Eps Per ; 2.89; 30000;occ; 103; 0;38899  
13; 4533.3; 08-AUG-2009 14:54:56; Dark ; 49.5; 28; 12Bet Tau ; 1.65; 15200;occ; 99; 0;38899  
14; 4664.7; 08-AUG-2009 14:57:07; Dark ; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;38899  
15; 4838.4; 08-AUG-2009 15:00:01; Dark ; 58.5; 13; 87Alp Tau ; 0.87; 3800;occ; 117; 0;38899  
16; 4952.2; 08-AUG-2009 15:01:54; Dark ; 46.0; 27; 24Gam Ori ; 1.64; 26000;occ; 92; 0;38899  
17; 5229.1; 08-AUG-2009 15:06:31; Dark ; 52.0; 7; 19Bet Ori ; 0.10; 14000;occ; 104; 0;38899  
18; 5567.3; 08-AUG-2009 15:12:10; Dark ; 62.5; 165; 34Gam Eri ; 2.95; 3200;occ; 125; 0;38899  
19; 5816.7; 08-AUG-2009 15:16:19; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38899  
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21; 6740.1; 08-AUG-2009 15:31:42; Dark ; 58.0; 84; Alp Phe ; 2.40; 4500;occ; 116; 0;38899  
22; 6948.2; 08-AUG-2009 15:35:10; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;38899  
23; 7236.7; 08-AUG-2009 15:39:59; Dark ; 57.5; 18; 24Alp PsA ; 1.17; 9700;occ; 115; 0;38899

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3; 2158.5; 08-AUG-2009 15:55:57; Bright; 52.0; 61; 8Eps Peg ; 2.10; 3900;occ; 104; 0;38900

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6; 3048.8; 08-AUG-2009 16:10:47; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38900
7; 3390.7; 08-AUG-2009 16:16:29; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38900
8; 3518.9; 08-AUG-2009 16:18:37; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;38900
9; 3933.9; 08-AUG-2009 16:25:32; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;38900
10; 4043.3; 08-AUG-2009 16:27:21; Bright; 58.0; 35; 33Alp Per ; 1.79; 6250;occ; 116; 0;38900
11; 4199.9; 08-AUG-2009 16:29:58; Bright; 58.0; 6; 13Alp Aur ; 0.08; 3400;occ; 116; 0;38900
12; 4308.5; 08-AUG-2009 16:31:47; Bright; 53.5; 149; 45Eps Per ; 2.89; 30000;occ; 107; 0;38900
13; 4533.3; 08-AUG-2009 16:35:32; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38900
14; 4665.0; 08-AUG-2009 16:37:43; Dark ; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;38900
15; 4838.8; 08-AUG-2009 16:40:37; Dark ; 72.0; 13; 87Alp Tau ; 0.87; 3800;occ; 144; 0;38900
16; 4952.5; 08-AUG-2009 16:42:31; Dark ; 49.0; 27; 24Gam Ori ; 1.64; 26000;occ; 98; 0;38900
17; 5229.7; 08-AUG-2009 16:47:08; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;38900
18; 5568.6; 08-AUG-2009 16:52:47; Dark ; 62.5; 165; 34Gam Eri ; 2.95; 3200;occ; 125; 0;38900
19; 5817.6; 08-AUG-2009 16:56:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38900
20; 6125.2; 08-AUG-2009 17:02:03; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38900
21; 6741.1; 08-AUG-2009 17:12:19; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;38900
22; 6948.7; 08-AUG-2009 17:15:47; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;38900
23; 7237.4; 08-AUG-2009 17:20:36; Dark ; 36.0; 18; 24Alp PsA ; 1.17; 9700;occ; 72; 0;38900
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2; 1580.9; 08-AUG-2009 17:26:55; Bright; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;38901
3; 1806.8; 08-AUG-2009 17:30:41; Bright; 66.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 132; 0;38901
4; 2157.9; 08-AUG-2009 17:36:32; Bright; 52.0; 61; 8Eps Peg ; 2.10; 3900;occ; 104; 0;38901
5; 2531.6; 08-AUG-2009 17:42:46; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38901
6; 2722.6; 08-AUG-2009 17:45:57; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38901
7; 3048.7; 08-AUG-2009 17:51:23; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;38901
8; 3390.1; 08-AUG-2009 17:57:04; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38901
9; 3518.0; 08-AUG-2009 17:59:12; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;38901
10; 3933.4; 08-AUG-2009 18:06:08; Bright; 70.5; 160; 23Gam Per ; 2.93; 4700;occ; 141; 0;38901
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21; 6126.4; 08-AUG-2009 18:42:41; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38901
22; 6742.1; 08-AUG-2009 18:52:56; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38901
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3; 1806.6; 08-AUG-2009 19:11:17; Bright; 46.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 93; 0;38902
4; 2157.5; 08-AUG-2009 19:17:08; Bright; 51.0; 61; 8Eps Peg ; 2.10; 3900;occ; 102; 0;38902
5; 2531.5; 08-AUG-2009 19:23:22; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38902
6; 2722.3; 08-AUG-2009 19:26:33; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38902
7; 3048.2; 08-AUG-2009 19:31:58; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;38902
8; 3389.3; 08-AUG-2009 19:37:40; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;38902
9; 3517.3; 08-AUG-2009 19:39:48; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;38902
10; 3932.8; 08-AUG-2009 19:46:43; Bright; 54.5; 160; 23Gam Per ; 2.93; 4700;occ; 109; 0;38902
11; 4042.3; 08-AUG-2009 19:48:33; Bright; 54.5; 35; 33Alp Per ; 1.79; 6250;occ; 109; 0;38902
12; 4199.8; 08-AUG-2009 19:51:10; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38902
13; 4308.3; 08-AUG-2009 19:52:58; Bright; 52.5; 149; 45Eps Per ; 2.89; 30000;occ; 105; 0;38902
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15; 4665.4; 08-AUG-2009 19:58:56; Dark ; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;38902
16; 4839.8; 08-AUG-2009 20:01:50; Dark ; 62.5; 13; 87Alp Tau ; 0.87; 3800;occ; 125; 0;38902
17; 4953.3; 08-AUG-2009 20:03:44; Dark ; 46.5; 27; 24Gam Ori ; 1.64; 26000;occ; 93; 0;38902
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19; 5571.0; 08-AUG-2009 20:14:01; Dark ; 62.0; 165; 34Gam Eri ; 2.95; 3200;occ; 124; 0;38902
20; 5819.2; 08-AUG-2009 20:18:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38902
21; 6127.3; 08-AUG-2009 20:23:17; Dark ; 48.0; 157; The1Eri ; 2.91; 9300;occ; 96; 0;38902
22; 6742.9; 08-AUG-2009 20:33:33; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38902
23; 6949.8; 08-AUG-2009 20:37:00; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;38902

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 3; -214.2; 09-AUG-2009 01:20:00; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38905  
 4; 94.8; 09-AUG-2009 01:25:09; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38906  
 5; 709.9; 09-AUG-2009 01:35:24; Dark ; 63.0; 84; Alp Phe ; 2.40; 4500;occ; 126; 0;38906  
 6; 915.3; 09-AUG-2009 01:38:49; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;38906  
 7; 1203.9; 09-AUG-2009 01:43:38; Dark ; 60.0; 18; 24Alp PsA ; 1.17; 9700;occ; 120; 0;38906  
 8; 1805.9; 09-AUG-2009 01:53:40; Bright; 46.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 93; 0;38906  
 9; 2155.4; 09-AUG-2009 01:59:29; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38906  
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 4;-1728.1; 09-AUG-2009 02:35:22; Bright; 52.5; 149; 45Eps Per ; 2.89; 30000;occ; 105; 0;38906  
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 17; 1806.0; 09-AUG-2009 05:14:52; Bright; 65.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 130; 0;38908  
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13; 712.9; 09-AUG-2009 06:37:15; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;38909
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13; 4306.7; 09-AUG-2009 21:01:56; Bright; 53.0; 149; 45Eps Per ; 2.89; 30000;occ; 106; 0;38917
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22; 4848.5; 09-AUG-2009 22:51:34; Dark ; 73.0; 13; 87Alp Tau ; 0.87; 3800;occ; 146; 0;38918
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 6; 2522.5; 10-AUG-2009 16:39:23; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 0;38929
 7; 2714.0; 10-AUG-2009 16:42:34; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;38929

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 23; 6157.3; 10-AUG-2009 17:39:57; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;38929  
 24; 6768.5; 10-AUG-2009 17:50:09; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;38929  
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 6; 2522.1; 10-AUG-2009 18:19:58; Bright; 58.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 116; 0;38930  
 7; 2713.7; 10-AUG-2009 18:23:10; Bright; 57.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 114; 0;38930  
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 11; 3918.9; 10-AUG-2009 18:43:15; Bright; 53.5; 160; 23Gam Per ; 2.93; 4700;occ; 107; 0;38930  
 12; 4031.1; 10-AUG-2009 18:45:07; Bright; 54.5; 35; 33Alp Per ; 1.79; 6250;occ; 109; 0;38930  
 13; 4198.6; 10-AUG-2009 18:47:55; Bright; 48.0; 6; 13Alp Aur ; 0.08; 3400;occ; 96; 0;38930  
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 19; 5073.9; 10-AUG-2009 19:02:30; Dark ; 43.0; 72; 34Del Ori ; 2.25; 30000;occ; 86; 0;38930  
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 21; 5608.4; 10-AUG-2009 19:11:25; Dark ; 69.5; 165; 34Gam Eri ; 2.95; 3200;occ; 139; 0;38930  
 22; 5843.3; 10-AUG-2009 19:15:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38930  
 23; 6158.5; 10-AUG-2009 19:20:35; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38930  
 24; 6769.3; 10-AUG-2009 19:30:45; Dark ; 64.5; 84; Alp Phe ; 2.40; 4500;occ; 129; 0;38930

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 4; 736.0; 11-AUG-2009 00:32:36; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;38934  
 5; 1218.1; 11-AUG-2009 00:40:38; Dark ; 58.0; 18; 24Alp PsA ; 1.17; 9700;occ; 116; 0;38934  
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 7; 1803.6; 11-AUG-2009 00:50:23; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38934  
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6; 737.1; 11-AUG-2009 02:13:13; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38935
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9; 1803.5; 11-AUG-2009 02:30:59; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38935
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13; 738.1; 11-AUG-2009 03:53:50; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;38936
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22; 3361.1; 11-AUG-2009 06:18:09; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38937
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6; 1224.8; 11-AUG-2009 22:28:32; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38947  
7; 1585.3; 11-AUG-2009 22:34:32; Bright; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;38947  
8; 1802.8; 11-AUG-2009 22:38:10; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38947  
9; 1939.9; 11-AUG-2009 22:40:27; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38947  
10; 2136.3; 11-AUG-2009 22:43:43; Bright; 48.5; 61; 8Eps Peg ; 2.10; 3900;occ; 97; 0;38947  
11; 2517.3; 11-AUG-2009 22:50:04; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38947  
12; 2709.1; 11-AUG-2009 22:53:16; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38947  
13; 3033.5; 11-AUG-2009 22:58:40; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38947  
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15; 3483.9; 11-AUG-2009 23:06:11; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38947  
16; 3910.2; 11-AUG-2009 23:13:17; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;38947  
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19; 4541.8; 11-AUG-2009 23:23:49; Dark ; 48.5; 28; 12Bet Tau ; 1.65; 15200;occ; 97; 0;38947  
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22; 4974.7; 11-AUG-2009 23:31:02; Dark ; 50.5; 27; 24Gam Ori ; 1.64; 26000;occ; 101; 0;38947  
23; 5090.4; 11-AUG-2009 23:32:57; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;38947  
24; 5173.7; 11-AUG-2009 23:34:21; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;38947  
25; 5259.4; 11-AUG-2009 23:35:46; Dark ; 61.0; 7; 19Bet Ori ; 0.10; 14000;occ; 122; 0;38947

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3; 141.4; 11-AUG-2009 23:51:04; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38948  
4; 748.8; 12-AUG-2009 00:01:12; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;38948  
5; 1225.3; 12-AUG-2009 00:09:08; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38948  
6; 1585.7; 12-AUG-2009 00:15:09; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38948  
7; 1802.4; 12-AUG-2009 00:18:45; Bright; 59.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 119; 0;38948  
8; 1939.6; 12-AUG-2009 00:21:02; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38948  
9; 2135.7; 12-AUG-2009 00:24:18; Bright; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;38948  
10; 2516.8; 12-AUG-2009 00:30:40; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;38948  
11; 2708.9; 12-AUG-2009 00:33:52; Bright; 35.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 71; 0;38948  
12; 3033.3; 12-AUG-2009 00:39:16; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38948  
13; 3352.1; 12-AUG-2009 00:44:35; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;38948  
14; 3483.2; 12-AUG-2009 00:46:46; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;38948  
15; 3909.6; 12-AUG-2009 00:53:52; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38948  
16; 4023.4; 12-AUG-2009 00:55:46; Bright; 38.0; 35; 33Alp Per ; 1.79; 6250;occ; 76; 0;38948  
17; 4097.8; 12-AUG-2009 00:57:01; Bright; 75.0; 175; 39Del Per ; 3.01; 19400;occ; 150; 0;38948  
18; 4542.0; 12-AUG-2009 01:04:25; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;38948  
19; 4677.7; 12-AUG-2009 01:06:40; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38948  
20; 4865.5; 12-AUG-2009 01:09:48; Dark ; 78.0; 13; 87Alp Tau ; 0.87; 3800;occ; 156; 0;38948  
21; 4975.2; 12-AUG-2009 01:11:38; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;38948  
22; 5091.0; 12-AUG-2009 01:13:34; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38948  
23; 5174.4; 12-AUG-2009 01:14:57; Dark ; 45.0; 125; 44Iot Ori ; 2.77; 30000;occ; 90; 0;38948  
24; 5260.0; 12-AUG-2009 01:16:23; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;38948

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2; -2007.8; 11-AUG-2009 06:29:16; Bright; 56.0; 35; 33Alp Per ; 1.79; 6250;occ; 112; 0;38937  
3; -1837.6; 11-AUG-2009 06:32:06; Bright; 47.0; 6; 13Alp Aur ; 0.08; 3400;occ; 94; 0;38937  
4; -1496.0; 11-AUG-2009 06:37:48; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38937  
5; -1361.3; 11-AUG-2009 06:40:02; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38937  
6; -1176.7; 11-AUG-2009 06:43:07; Dark ; 69.0; 13; 87Alp Tau ; 0.87; 3800;occ; 138; 0;38937  
7; -1066.2; 11-AUG-2009 06:44:57; Dark ; 45.5; 27; 24Gam Ori ; 1.64; 26000;occ; 91; 0;38937  
8; -950.5; 11-AUG-2009 06:46:53; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;38937  
9; -783.2; 11-AUG-2009 06:49:40; Dark ; 54.0; 7; 19Bet Ori ; 0.10; 14000;occ; 108; 0;38937  
10; -417.6; 11-AUG-2009 06:55:46; Dark ; 68.5; 165; 34Gam Eri ; 2.95; 3200;occ; 137; 0;38937  
11; -186.5; 11-AUG-2009 06:59:37; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38937  
12; 130.0; 11-AUG-2009 07:04:54; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38938  
13; 740.0; 11-AUG-2009 07:15:04; Dark ; 62.5; 84; Alp Phe ; 2.40; 4500;occ; 125; 0;38938  
14; 1220.4; 11-AUG-2009 07:23:04; Dark ; 57.5; 18; 24Alp PsA ; 1.17; 9700;occ; 115; 0;38938  
15; 1584.5; 11-AUG-2009 07:29:08; Bright; 63.5; 142; 49Del Cap ; 2.85; 8900;occ; 127; 0;38938

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3; 2140.2; 11-AUG-2009 07:38:24; Bright; 49.5; 61; 8Eps Peg ; 2.10; 3900;occ; 99; 0;38938  
4; 2519.7; 11-AUG-2009 07:44:43; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38938  
5; 2711.6; 11-AUG-2009 07:47:55; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38938  
6; 3036.3; 11-AUG-2009 07:53:20; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38938  
7; 3360.2; 11-AUG-2009 07:58:44; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38938  
8; 3490.8; 11-AUG-2009 08:00:54; Bright; 49.5; 76; 27Gam Cas ; 2.30; 30000;occ; 99; 0;38938  
9; 3914.8; 11-AUG-2009 08:07:58; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38938  
10; 4027.7; 11-AUG-2009 08:09:51; Bright; 55.5; 35; 33Alp Per ; 1.79; 6250;occ; 111; 0;38938  
11; 4198.4; 11-AUG-2009 08:12:42; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;38938  
12; 4540.2; 11-AUG-2009 08:18:24; Dark ; 47.5; 28; 12Bet Tau ; 1.65; 15200;occ; 95; 0;38938  
13; 4675.0; 11-AUG-2009 08:20:39; Dark ; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;38938  
14; 4859.8; 11-AUG-2009 08:23:43; Dark ; 76.0; 13; 87Alp Tau ; 0.87; 3800;occ; 152; 0;38938  
15; 4970.1; 11-AUG-2009 08:25:34; Dark ; 42.5; 27; 24Gam Ori ; 1.64; 26000;occ; 85; 0;38938  
16; 5086.0; 11-AUG-2009 08:27:30; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;38938  
17; 5253.5; 11-AUG-2009 08:30:17; Dark ; 52.0; 7; 19Bet Ori ; 0.10; 14000;occ; 104; 0;38938  
18; 5619.8; 11-AUG-2009 08:36:23; Dark ; 62.5; 165; 34Gam Eri ; 2.95; 3200;occ; 125; 0;38938  
19; 5850.3; 11-AUG-2009 08:40:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38938  
20; 6167.2; 11-AUG-2009 08:45:31; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38938  
21; 6776.7; 11-AUG-2009 08:55:40; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38938  
22; 7256.7; 11-AUG-2009 09:03:40; Dark ; 56.0; 18; 24Alp PsA ; 1.17; 9700;occ; 112; 0;38938  
23; 7620.5; 11-AUG-2009 09:09:44; Bright; 49.0; 142; 49Del Cap ; 2.85; 8900;occ; 98; 0;38938

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3; 2139.6; 11-AUG-2009 09:18:59; Bright; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;38939  
4; 2519.4; 11-AUG-2009 09:25:19; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38939  
5; 2711.1; 11-AUG-2009 09:28:31; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38939  
6; 3036.1; 11-AUG-2009 09:33:56; Bright; 57.0; 89; 5Alp Cep ; 2.45; 8000;occ; 114; 0;38939  
7; 3359.3; 11-AUG-2009 09:39:19; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;38939  
8; 3490.0; 11-AUG-2009 09:41:29; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38939  
9; 3914.5; 11-AUG-2009 09:48:34; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;38939  
10; 4027.4; 11-AUG-2009 09:50:27; Bright; 58.0; 35; 33Alp Per ; 1.79; 6250;occ; 116; 0;38939  
11; 4198.3; 11-AUG-2009 09:53:18; Bright; 45.0; 6; 13Alp Aur ; 0.08; 3400;occ; 90; 0;38939  
12; 4540.3; 11-AUG-2009 09:59:00; Dark ; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;38939  
13; 4675.3; 11-AUG-2009 10:01:15; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38939  
14; 4860.3; 11-AUG-2009 10:04:20; Dark ; 66.5; 13; 87Alp Tau ; 0.87; 3800;occ; 133; 0;38939  
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19; 5851.1; 11-AUG-2009 10:20:51; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38939  
20; 6168.4; 11-AUG-2009 10:26:08; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38939  
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22; 7257.3; 11-AUG-2009 10:44:17; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;38939  
23; 7620.5; 11-AUG-2009 10:50:20; Bright; 62.5; 142; 49Del Cap ; 2.85; 8900;occ; 125; 0;38939

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3; 2139.2; 11-AUG-2009 10:59:35; Bright; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;38940



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8; 3489.3; 11-AUG-2009 11:22:05; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38940
9; 3913.7; 11-AUG-2009 11:29:09; Bright; 70.5; 160; 23Gam Per ; 2.93; 4700;occ; 141; 0;38940
10; 4026.9; 11-AUG-2009 11:31:02; Bright; 54.0; 35; 33Alp Per ; 1.79; 6250;occ; 108; 0;38940
11; 4100.5; 11-AUG-2009 11:32:16; Bright; 75.0; 175; 39Del Per ; 3.01; 19400;occ; 150; 0;38940
12; 4540.6; 11-AUG-2009 11:39:36; Dark ; 48.5; 28; 12Bet Tau ; 1.65; 15200;occ; 97; 0;38940
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19; 5852.0; 11-AUG-2009 12:01:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38940
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8; 3488.6; 11-AUG-2009 13:02:40; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38941
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3; 1941.7; 11-AUG-2009 14:17:29; Bright; 53.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 107; 0;38942
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10; -773.7; 12-AUG-2009 06:18:13; Dark ; 49.5; 7; 19Bet Ori ; 0.10; 14000;occ; 99; 0;38951  
11; -397.2; 12-AUG-2009 06:24:29; Dark ; 55.0; 165; 34Gam Eri ; 2.95; 3200;occ; 110; 0;38951  
12; -174.0; 12-AUG-2009 06:28:13; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38951  
13; 146.1; 12-AUG-2009 06:33:33; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38952  
14; 752.7; 12-AUG-2009 06:43:39; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38952  
15; 1227.2; 12-AUG-2009 06:51:34; Dark ; 55.5; 18; 24Alp PsA ; 1.17; 9700;occ; 111; 0;38952  
16; 1586.1; 12-AUG-2009 06:57:33; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38952  
17; 1802.5; 12-AUG-2009 07:01:09; Bright; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;38952  
18; 1938.3; 12-AUG-2009 07:03:25; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38952  
19; 2134.1; 12-AUG-2009 07:06:41; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38952  
20; 2515.8; 12-AUG-2009 07:13:02; Bright; 40.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 80; 0;38952  
21; 2707.8; 12-AUG-2009 07:16:14; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38952  
22; 3032.0; 12-AUG-2009 07:21:39; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38952  
23; 3349.0; 12-AUG-2009 07:26:56; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;38952  
24; 3480.3; 12-AUG-2009 07:29:07; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38952

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2; 1587.0; 12-AUG-2009 20:22:21; Bright; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;38960  
3; 1802.0; 12-AUG-2009 20:25:56; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38960  
4; 1935.7; 12-AUG-2009 20:28:10; Bright; 50.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 100; 0;38960  
5; 2130.9; 12-AUG-2009 20:31:25; Bright; 45.0; 61; 8Eps Peg ; 2.10; 3900;occ; 90; 0;38960  
6; 2513.8; 12-AUG-2009 20:37:48; Bright; 37.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 75; 0;38960  
7; 3029.5; 12-AUG-2009 20:46:24; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38960  
8; 3342.5; 12-AUG-2009 20:51:36; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38960  
9; 3474.2; 12-AUG-2009 20:53:48; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38960  
10; 3903.1; 12-AUG-2009 21:00:57; Bright; 53.5; 160; 23Gam Per ; 2.93; 4700;occ; 107; 0;38960  
11; 4093.6; 12-AUG-2009 21:04:08; Bright; 47.5; 175; 39Del Per ; 3.01; 19400;occ; 95; 0;38960  
12; 4197.0; 12-AUG-2009 21:05:51; Bright; 51.0; 6; 13Alp Aur ; 0.08; 3400;occ; 102; 0;38960  
13; 4544.2; 12-AUG-2009 21:11:38; Dark ; 52.0; 28; 12Bet Tau ; 1.65; 15200;occ; 104; 0;38960  
14; 4681.2; 12-AUG-2009 21:13:55; Dark ; 47.0; 176; 23Zet Tau ; 3.02; 22000;occ; 94; 0;38960  
15; 4873.1; 12-AUG-2009 21:17:07; Dark ; 76.5; 13; 87Alp Tau ; 0.87; 3800;occ; 153; 0;38960  
16; 4981.3; 12-AUG-2009 21:18:55; Dark ; 46.5; 27; 24Gam Ori ; 1.64; 26000;occ; 93; 0;38960  
17; 5097.3; 12-AUG-2009 21:20:51; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;38960  
18; 5181.2; 12-AUG-2009 21:22:15; Dark ; 44.5; 125; 44Iot Ori ; 2.77; 30000;occ; 89; 0;38960  
19; 5268.2; 12-AUG-2009 21:23:42; Dark ; 47.0; 7; 19Bet Ori ; 0.10; 14000;occ; 94; 0;38960

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2; -165.8; 12-AUG-2009 21:33:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38960  
3; 156.3; 12-AUG-2009 21:39:06; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;38961  
4; 760.6; 12-AUG-2009 21:49:10; Dark ; 60.5; 84; Alp Phe ; 2.40; 4500;occ; 121; 0;38961  
5; 1231.7; 12-AUG-2009 21:57:02; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;38961  
6; 1587.1; 12-AUG-2009 22:02:57; Bright; 62.0; 142; 49Del Cap ; 2.85; 8900;occ; 124; 0;38961  
7; 1802.1; 12-AUG-2009 22:06:32; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;38961  
8; 1935.6; 12-AUG-2009 22:08:45; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38961  
9; 2130.4; 12-AUG-2009 22:12:00; Bright; 68.0; 61; 8Eps Peg ; 2.10; 3900;occ; 136; 0;38961  
10; 2513.4; 12-AUG-2009 22:18:23; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38961  
11; 3029.2; 12-AUG-2009 22:26:59; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38961  
12; 3341.9; 12-AUG-2009 22:32:12; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;38961  
13; 3473.5; 12-AUG-2009 22:34:23; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;38961  
14; 3902.5; 12-AUG-2009 22:41:32; Bright; 52.0; 160; 23Gam Per ; 2.93; 4700;occ; 104; 0;38961  
15; 4093.2; 12-AUG-2009 22:44:43; Bright; 51.5; 175; 39Del Per ; 3.01; 19400;occ; 103; 0;38961  
16; 4196.8; 12-AUG-2009 22:46:27; Bright; 48.0; 6; 13Alp Aur ; 0.08; 3400;occ; 96; 0;38961  
17; 4544.4; 12-AUG-2009 22:52:14; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38961  
18; 4681.3; 12-AUG-2009 22:54:31; Dark ; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;38961  
19; 4873.6; 12-AUG-2009 22:57:44; Dark ; 72.5; 13; 87Alp Tau ; 0.87; 3800;occ; 145; 0;38961  
20; 4981.8; 12-AUG-2009 22:59:32; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;38961  
21; 5097.9; 12-AUG-2009 23:01:28; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;38961  
22; 5181.6; 12-AUG-2009 23:02:52; Dark ; 44.0; 125; 44Iot Ori ; 2.77; 30000;occ; 88; 0;38961  
23; 5269.0; 12-AUG-2009 23:04:19; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;38961

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2; -164.9; 12-AUG-2009 23:14:21; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38961  
3; 157.6; 12-AUG-2009 23:19:43; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38962  
4; 761.6; 12-AUG-2009 23:29:47; Dark ; 62.0; 84; Alp Phe ; 2.40; 4500;occ; 124; 0;38962  
5; 1231.7; 12-AUG-2009 23:37:37; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;38962  
6; 1587.2; 12-AUG-2009 23:43:33; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38962  
7; 1801.9; 12-AUG-2009 23:47:08; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;38962  
8; 1935.1; 12-AUG-2009 23:49:21; Bright; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;38962  
9; 2129.9; 12-AUG-2009 23:52:36; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38962  
10; 2513.1; 12-AUG-2009 23:58:59; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;38962  
11; 3029.0; 13-AUG-2009 00:07:35; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38962  
12; 3340.9; 13-AUG-2009 00:12:47; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;38962  
13; 3472.8; 13-AUG-2009 00:14:59; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38962  
14; 3902.0; 13-AUG-2009 00:22:08; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38962  
15; 4092.7; 13-AUG-2009 00:25:18; Bright; 48.0; 175; 39Del Per ; 3.01; 19400;occ; 96; 0;38962  
16; 4196.7; 13-AUG-2009 00:27:02; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;38962  
17; 4544.7; 13-AUG-2009 00:32:50; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38962  
18; 4681.7; 13-AUG-2009 00:35:07; Dark ; 47.0; 176; 23Zet Tau ; 3.02; 22000;occ; 94; 0;38962  
19; 4874.3; 13-AUG-2009 00:38:20; Dark ; 79.0; 13; 87Alp Tau ; 0.87; 3800;occ; 158; 0;38962  
20; 4982.3; 13-AUG-2009 00:40:08; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;38962  
21; 5098.4; 13-AUG-2009 00:42:04; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;38962  
22; 5182.1; 13-AUG-2009 00:43:28; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;38962  
23; 5269.7; 13-AUG-2009 00:44:55; Dark ; 52.5; 7; 19Bet Ori ; 0.10; 14000;occ; 105; 0;38962

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1;-2128.4; 12-AUG-2009 07:36:14; Bright; 52.0; 160; 23Gam Per ; 2.93; 4700;occ; 104; 0;38952  
2;-2014.2; 12-AUG-2009 07:38:08; Bright; 29.0; 35; 33Alp Per ; 1.79; 6250;occ; 58; 0;38952  
3;-1939.4; 12-AUG-2009 07:39:23; Bright; 76.0; 175; 39Del Per ; 3.01; 19400;occ; 152; 0;38952  
4;-1493.2; 12-AUG-2009 07:46:49; Dark ; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;38952  
5;-1357.0; 12-AUG-2009 07:49:05; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38952  
6;-1167.7; 12-AUG-2009 07:52:15; Dark ; 65.5; 13; 87Alp Tau ; 0.87; 3800;occ; 131; 0;38952  
7;-1058.7; 12-AUG-2009 07:54:04; Dark ; 44.0; 27; 24Gam Ori ; 1.64; 26000;occ; 88; 0;38952  
8; -942.7; 12-AUG-2009 07:56:00; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38952  
9; -859.2; 12-AUG-2009 07:57:23; Dark ; 44.0; 125; 44Iot Ori ; 2.77; 30000;occ; 88; 0;38952  
10; -773.0; 12-AUG-2009 07:58:49; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;38952  
11; -395.7; 12-AUG-2009 08:05:07; Dark ; 49.0; 165; 34Gam Eri ; 2.95; 3200;occ; 98; 0;38952  
12; -173.1; 12-AUG-2009 08:08:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38952  
13; 147.3; 12-AUG-2009 08:14:10; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38953  
14; 753.5; 12-AUG-2009 08:24:16; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;38953  
15; 1227.7; 12-AUG-2009 08:32:10; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38953  
16; 1586.1; 12-AUG-2009 08:38:09; Bright; 44.0; 142; 49Del Cap ; 2.85; 8900;occ; 88; 0;38953

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2; 1937.9; 12-AUG-2009 08:44:00; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38953  
3; 2133.6; 12-AUG-2009 08:47:16; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38953  
4; 2515.6; 12-AUG-2009 08:53:38; Bright; 42.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 85; 0;38953  
5; 2707.6; 12-AUG-2009 08:56:50; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;38953  
6; 3031.6; 12-AUG-2009 09:02:14; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38953  
7; 3348.1; 12-AUG-2009 09:07:31; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38953  
8; 3479.6; 12-AUG-2009 09:09:42; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;38953  
9; 3907.0; 12-AUG-2009 09:16:49; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38953  
10; 4021.3; 12-AUG-2009 09:18:44; Bright; 29.0; 35; 33Alp Per ; 1.79; 6250;occ; 58; 0;38953  
11; 4096.2; 12-AUG-2009 09:19:59; Bright; 49.0; 175; 39Del Per ; 3.01; 19400;occ; 98; 0;38953  
12; 4542.9; 12-AUG-2009 09:27:25; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38953  
13; 4679.3; 12-AUG-2009 09:29:42; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38953  
14; 4868.7; 12-AUG-2009 09:32:51; Dark ; 70.5; 13; 87Alp Tau ; 0.87; 3800;occ; 141; 0;38953  
15; 4977.8; 12-AUG-2009 09:34:40; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;38953  
16; 5093.7; 12-AUG-2009 09:36:36; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;38953  
17; 5177.0; 12-AUG-2009 09:38:00; Dark ; 42.0; 125; 44Iot Ori ; 2.77; 30000;occ; 84; 0;38953  
18; 5263.5; 12-AUG-2009 09:39:26; Dark ; 53.0; 7; 19Bet Ori ; 0.10; 14000;occ; 106; 0;38953  
19; 5641.7; 12-AUG-2009 09:45:44; Dark ; 49.0; 165; 34Gam Eri ; 2.95; 3200;occ; 98; 0;38953  
20; 5863.7; 12-AUG-2009 09:49:26; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38953  
21; 6184.3; 12-AUG-2009 09:54:47; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38953  
22; 6790.2; 12-AUG-2009 10:04:53; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;38953  
23; 7264.1; 12-AUG-2009 10:12:47; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;38953  
24; 7622.0; 12-AUG-2009 10:18:45; Bright; 62.5; 142; 49Del Cap ; 2.85; 8900;occ; 125; 0;38953

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3; 2133.2; 12-AUG-2009 10:27:52; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38954

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5; 2707.3; 12-AUG-2009 10:37:26; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38954
6; 3031.3; 12-AUG-2009 10:42:50; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;38954
7; 3347.3; 12-AUG-2009 10:48:06; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38954
8; 3478.8; 12-AUG-2009 10:50:17; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;38954
9; 3906.5; 12-AUG-2009 10:57:25; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38954
10; 4020.7; 12-AUG-2009 10:59:19; Bright; 25.0; 35; 33Alp Per ; 1.79; 6250;occ; 50; 0;38954
11; 4095.7; 12-AUG-2009 11:00:34; Bright; 65.0; 175; 39Del Per ; 3.01; 19400;occ; 130; 0;38954
12; 4543.0; 12-AUG-2009 11:08:01; Dark ; 48.0; 28; 12Bet Tau ; 1.65; 15200;occ; 96; 0;38954
13; 4679.3; 12-AUG-2009 11:10:18; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38954
14; 4869.2; 12-AUG-2009 11:13:28; Dark ; 67.0; 13; 87Alp Tau ; 0.87; 3800;occ; 134; 0;38954
15; 4978.2; 12-AUG-2009 11:15:17; Dark ; 44.5; 27; 24Gam Ori ; 1.64; 26000;occ; 89; 0;38954
16; 5094.2; 12-AUG-2009 11:17:13; Dark ; 42.5; 30; 46Eps Ori ; 1.69; 30000;occ; 85; 0;38954
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18; 5264.2; 12-AUG-2009 11:20:03; Dark ; 63.0; 7; 19Bet Ori ; 0.10; 14000;occ; 126; 0;38954
19; 5643.2; 12-AUG-2009 11:26:22; Dark ; 42.0; 165; 34Gam Eri ; 2.95; 3200;occ; 84; 0;38954
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22; 6791.2; 12-AUG-2009 11:45:30; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;38954
23; 7264.6; 12-AUG-2009 11:53:23; Dark ; 57.0; 18; 24Alp PsA ; 1.17; 9700;occ; 114; 0;38954
24; 7622.3; 12-AUG-2009 11:59:21; Bright; 41.0; 142; 49Del Cap ; 2.85; 8900;occ; 82; 0;38954
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3; 1937.4; 12-AUG-2009 12:05:12; Bright; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;38955
4; 2132.9; 12-AUG-2009 12:08:27; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38955
5; 2514.9; 12-AUG-2009 12:14:49; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38955
6; 2706.9; 12-AUG-2009 12:18:01; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;38955
7; 3031.1; 12-AUG-2009 12:23:25; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38955
8; 3346.5; 12-AUG-2009 12:28:41; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;38955
9; 3478.1; 12-AUG-2009 12:30:52; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;38955
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23; 7623.6; 13-AUG-2009 11:27:45; Bright; 61.5; 142; 49Del Cap ; 2.85; 8900;occ; 123; 0;38968

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3; 1933.0; 13-AUG-2009 11:33:30; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 1;38969  
4; 2127.1; 13-AUG-2009 11:36:44; Bright; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;38969  
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8; 3467.5; 13-AUG-2009 11:59:05; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38969  
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12; 4364.2; 13-AUG-2009 12:14:01; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;38969  
13; 4545.8; 13-AUG-2009 12:17:03; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38969  
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23; 7271.5; 13-AUG-2009 13:02:29; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38969  
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3; 1932.8; 13-AUG-2009 13:14:06; Bright; 49.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 98; 0;38970  
4; 2126.8; 13-AUG-2009 13:17:20; Bright; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;38970  
5; 2511.0; 13-AUG-2009 13:23:44; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38970  
6; 3026.7; 13-AUG-2009 13:32:20; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;38970  
7; 3466.9; 13-AUG-2009 13:39:40; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38970  
8; 3897.6; 13-AUG-2009 13:46:51; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;38970  
9; 4090.0; 13-AUG-2009 13:50:03; Bright; 48.0; 175; 39Del Per ; 3.01; 19400;occ; 96; 0;38970  
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11; 4364.2; 13-AUG-2009 13:54:37; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;38970  
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13; 4683.9; 13-AUG-2009 13:59:57; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38970  
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3; 1932.6; 13-AUG-2009 14:54:42; Bright; 50.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 100; 0;38971
4; 2126.5; 13-AUG-2009 14:57:55; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38971
5; 2511.0; 13-AUG-2009 15:04:20; Bright; 37.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 75; 0;38971
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7; 3334.0; 13-AUG-2009 15:18:03; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;38971
8; 3466.2; 13-AUG-2009 15:20:15; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38971
9; 3897.1; 13-AUG-2009 15:27:26; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;38971
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11; 4196.4; 13-AUG-2009 15:32:25; Bright; 61.0; 6; 13Alp Aur ; 0.08; 3400;occ; 122; 0;38971
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13; 4546.3; 13-AUG-2009 15:38:15; Dark ; 51.5; 28; 12Bet Tau ; 1.65; 15200;occ; 103; 0;38971
14; 4684.3; 13-AUG-2009 15:40:33; Dark ; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;38971
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16; 4987.3; 13-AUG-2009 15:45:36; Dark ; 52.5; 27; 24Gam Ori ; 1.64; 26000;occ; 105; 0;38971
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22; 6806.6; 13-AUG-2009 16:15:56; Dark ; 61.5; 84; Alp Phe ; 2.40; 4500;occ; 123; 0;38971
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3; 1801.3; 13-AUG-2009 16:33:06; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38972
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5; 2126.1; 13-AUG-2009 16:38:31; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38972
6; 2510.6; 13-AUG-2009 16:44:56; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38972
7; 3026.0; 13-AUG-2009 16:53:31; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38972
8; 3333.1; 13-AUG-2009 16:58:38; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38972
9; 3465.4; 13-AUG-2009 17:00:50; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;38972
10; 3896.5; 13-AUG-2009 17:08:01; Bright; 46.0; 160; 23Gam Per ; 2.93; 4700;occ; 92; 0;38972
11; 4089.4; 13-AUG-2009 17:11:14; Bright; 43.0; 175; 39Del Per ; 3.01; 19400;occ; 86; 0;38972
12; 4196.2; 13-AUG-2009 17:13:01; Bright; 47.0; 6; 13Alp Aur ; 0.08; 3400;occ; 94; 0;38972
13; 4364.6; 13-AUG-2009 17:15:50; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;38972
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21; 5881.3; 13-AUG-2009 17:41:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38972
22; 6206.1; 13-AUG-2009 17:46:31; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;38972
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3; 1801.3; 13-AUG-2009 18:13:42; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;38973
4; 1931.9; 13-AUG-2009 18:15:53; Bright; 72.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 144; 0;38973
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6; 2510.5; 13-AUG-2009 18:25:31; Bright; 37.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 75; 0;38973
7; 3025.6; 13-AUG-2009 18:34:07; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38973
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16; 4881.3; 13-AUG-2009 19:05:02; Dark ; 63.0; 13; 87Alp Tau ; 0.87; 3800;occ; 126; 0;38973
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3; 1240.3; 14-AUG-2009 05:48:33; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38980
4; 1589.2; 14-AUG-2009 05:54:22; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38980
5; 1801.0; 14-AUG-2009 05:57:53; Bright; 41.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 82; 0;38980
6; 1929.9; 14-AUG-2009 06:00:02; Bright; 49.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 99; 0;38980
7; 2123.1; 14-AUG-2009 06:03:16; Bright; 66.0; 61; 8Eps Peg ; 2.10; 3900;occ; 132; 0;38980
8; 2508.7; 14-AUG-2009 06:09:41; Bright; 37.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 74; 0;38980
9; 3023.5; 14-AUG-2009 06:18:16; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38980

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4; 1927.4; 14-AUG-2009 21:05:23; Bright; 49.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 98; 0;38989
5; 2119.9; 14-AUG-2009 21:08:36; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38989
6; 2511.5; 14-AUG-2009 21:15:07; Bright; 33.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 66; 0;38989
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8; 3319.7; 14-AUG-2009 21:28:36; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38989
9; 3452.6; 14-AUG-2009 21:30:48; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38989
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11; 4365.8; 14-AUG-2009 21:46:02; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;38989
12; 4549.7; 14-AUG-2009 21:49:06; Dark ; 52.5; 28; 12Bet Tau ; 1.65; 15200;occ; 105; 0;38989
13; 4689.3; 14-AUG-2009 21:51:25; Dark ; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;38989
14; 4924.6; 14-AUG-2009 21:55:21; Dark ; 50.5; 14; 58Alp Ori ; 0.87; 3000;occ; 101; 0;38989
15; 5113.3; 14-AUG-2009 21:58:29; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;38989
16; 5197.9; 14-AUG-2009 21:59:54; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;38989
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4; 189.7; 14-AUG-2009 22:17:01; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38990
5; 786.0; 14-AUG-2009 22:26:58; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;38990
6; 1244.5; 14-AUG-2009 22:34:36; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;38990
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8; 1800.3; 14-AUG-2009 22:43:52; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38990
9; 1927.1; 14-AUG-2009 22:45:59; Bright; 49.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 98; 0;38990
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11; 3021.2; 14-AUG-2009 23:04:13; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38990
12; 3318.8; 14-AUG-2009 23:09:11; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;38990
13; 3451.7; 14-AUG-2009 23:11:23; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;38990
14; 4194.9; 14-AUG-2009 23:23:47; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;38990
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19; 5113.8; 14-AUG-2009 23:39:06; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;38990
20; 5198.5; 14-AUG-2009 23:40:30; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;38990
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4; 786.7; 15-AUG-2009 00:07:34; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;38991
5; 1245.0; 15-AUG-2009 00:15:13; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38991
6; 1589.9; 15-AUG-2009 00:20:58; Bright; 42.5; 142; 49Del Cap ; 2.85; 8900;occ; 85; 0;38991
7; 1800.4; 15-AUG-2009 00:24:28; Bright; 42.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 84; 0;38991
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9; 2119.2; 15-AUG-2009 00:29:47; Bright; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;38991
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12; 3450.9; 15-AUG-2009 00:51:58; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;38991
13; 4194.8; 15-AUG-2009 01:04:22; Bright; 48.0; 6; 13Alp Aur ; 0.08; 3400;occ; 96; 0;38991
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17; 4925.4; 15-AUG-2009 01:16:33; Dark ; 59.0; 14; 58Alp Ori ; 0.87; 3000;occ; 118; 0;38991
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19; 5199.1; 15-AUG-2009 01:21:07; Dark ; 45.0; 125; 44Iot Ori ; 2.77; 30000;occ; 90; 0;38991
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13; 3294.6; 17-AUG-2009 03:07:20; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;39021
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13; 1258.6; 17-AUG-2009 05:54:36; Dark ; 52.0; 18; 24Alp PsA ; 1.17; 9700;occ; 104; 0;39023
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 18; 7295.4; 17-AUG-2009 09:15:49; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;39024  
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 5; 3425.3; 17-AUG-2009 09:51:54; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;39025  
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 5; 3424.7; 17-AUG-2009 11:32:30; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;39026  
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 12; 5221.8; 17-AUG-2009 12:02:27; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;39026  
 13; 5319.1; 17-AUG-2009 12:04:04; Dark ; 55.0; 7; 19Bet Ori ; 0.10; 14000;occ; 110; 0;39026  
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 20; 5052.5; 20-AUG-2009 23:49:34; Dark ; 54.5; 27; 24Gam Ori ; 1.64; 26000;occ; 109; 0;39076  
 21; 5169.8; 20-AUG-2009 23:51:31; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;39076  
 22; 5257.7; 20-AUG-2009 23:52:59; Dark ; 48.5; 125; 44Iot Ori ; 2.77; 30000;occ; 97; 0;39076  
 23; 5364.1; 20-AUG-2009 23:54:45; Dark ; 10.0; 7; 19Bet Ori ; 0.10; 14000;occ; 20; 0;39076

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 4; 293.9; 21-AUG-2009 00:10:51; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;39077  
 5; 856.3; 21-AUG-2009 00:20:13; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;39077  
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 7; 1599.7; 21-AUG-2009 00:32:37; Bright; 42.5; 142; 49Del Cap ; 2.85; 8900;occ; 85; 0;39077  
 8; 1799.3; 21-AUG-2009 00:35:56; Bright; 56.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 112; 0;39077  
 9; 1908.7; 21-AUG-2009 00:37:46; Bright; 44.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 89; 0;39077  
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 11; 2604.7; 21-AUG-2009 00:49:22; Bright; 50.5; 164; 44Eta Peg ; 2.95; 5400;occ; 101; 0;39077  
 12; 3252.3; 21-AUG-2009 01:00:09; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;39077  
 13; 3386.1; 21-AUG-2009 01:02:23; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;39077  
 14; 4185.8; 21-AUG-2009 01:15:43; Bright; 65.0; 6; 13Alp Aur ; 0.08; 3400;occ; 130; 0;39077  
 15; 4371.9; 21-AUG-2009 01:18:49; Bright; 43.0; 107; 37The Aur ; 2.65; 11000;occ; 86; 0;39077  
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 17; 4718.2; 21-AUG-2009 01:24:35; Dark ; 50.5; 176; 23Zet Tau ; 3.02; 22000;occ; 101; 0;39077  
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 12; 281.9; 20-AUG-2009 07:24:40; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39067  
 13; 848.9; 20-AUG-2009 07:34:07; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;39067  
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7; 4371.4; 20-AUG-2009 08:32:49; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;39067
8; 4565.5; 20-AUG-2009 08:36:03; Dark ; 56.0; 28; 12Bet Tau ; 1.65; 15200;occ; 112; 0;39067
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16; 5632.8; 20-AUG-2009 08:53:51; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39067
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18; 6885.4; 20-AUG-2009 09:14:43; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;39067
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4; 2612.4; 20-AUG-2009 09:44:06; Bright; 28.0; 164; 44Eta Peg ; 2.95; 5400;occ; 56; 0;39068
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13; 5164.1; 20-AUG-2009 10:26:38; Dark ; 51.5; 30; 46Eps Ori ; 1.69; 30000;occ; 103; 0;39068
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12; 5164.9; 20-AUG-2009 12:07:15; Dark ; 49.5; 30; 46Eps Ori ; 1.69; 30000;occ; 99; 0;39069
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15; 5460.8; 20-AUG-2009 12:12:11; Dark ; 49.0; 101; 11Alp Lep ; 2.58; 7000;occ; 98; 0;39069
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8; 4186.8; 20-AUG-2009 13:31:32; Bright; 52.5; 6; 13Alp Aur ; 0.08; 3400;occ; 105; 0;39070
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12;	4961.9;	20-AUG-2009	13:44:28;	Dark	;	54.5;	14;	58Alp Ori	;	0.87;	3000;occ;	109;	0;	39070
13;	5048.3;	20-AUG-2009	13:45:54;	Dark	;	53.5;	27;	24Gam Ori	;	1.64;	26000;occ;	107;	0;	39070
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5;	2609.9;	20-AUG-2009	14:45:51;	Bright;		34.0;	164;	44Eta Peg	;	2.95;	5400;occ;	68;	0;	39071
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3;	1799.3;	20-AUG-2009	16:12:57;	Bright;		40.5;	154;	22Bet Aqr	;	2.90;	5700;occ;	81;	0;	39072
4;	1909.8;	20-AUG-2009	16:14:47;	Bright;		44.0;	162;	34Alp Aqr	;	2.94;	5350;occ;	88;	0;	39072
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7;	3256.0;	20-AUG-2009	16:37:14;	Bright;		48.0;	74;	11Bet Cas	;	2.27;	6600;occ;	96;	0;	39072
8;	3390.0;	20-AUG-2009	16:39:28;	Bright;		49.5;	76;	27Gam Cas	;	2.30;	30000;occ;	99;	0;	39072
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6;	2608.3;	20-AUG-2009	18:07:02;	Bright;		40.0;	164;	44Eta Peg	;	2.95;	5400;occ;	80;	0;	39073
7;	3255.2;	20-AUG-2009	18:17:49;	Bright;		46.5;	74;	11Bet Cas	;	2.27;	6600;occ;	93;	0;	39073
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 9; 2083.1; 25-AUG-2009 23:43:11; Bright; 40.5; 61; 8Eps Peg ; 2.10; 3900;occ; 81; 0;39148  
 10; 2551.0; 25-AUG-2009 23:50:59; Bright; 44.5; 164; 44Eta Peg ; 2.95; 5400;occ; 89; 0;39148  
 11; 3201.0; 26-AUG-2009 00:01:49; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;39148  
 12; 3333.5; 26-AUG-2009 00:04:01; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39148  
 13; 4174.7; 26-AUG-2009 00:18:03; Bright; 54.0; 6; 13Alp Aur ; 0.08; 3400;occ; 108; 0;39148  
 14; 4375.5; 26-AUG-2009 00:21:23; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;39148  
 15; 4583.7; 26-AUG-2009 00:24:51; Dark ; 61.5; 28; 12Bet Tau ; 1.65; 15200;occ; 123; 0;39148  
 16; 4761.7; 26-AUG-2009 00:27:49; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;39148  
 17; 5006.1; 26-AUG-2009 00:31:54; Dark ; 65.5; 14; 58Alp Ori ; 0.87; 3000;occ; 131; 0;39148  
 18; 5111.4; 26-AUG-2009 00:33:39; Dark ; 61.5; 27; 24Gam Ori ; 1.64; 26000;occ; 123; 0;39148  
 19; 5228.7; 26-AUG-2009 00:35:37; Dark ; 57.0; 30; 46Eps Ori ; 1.69; 30000;occ; 114; 0;39148

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 2; 2083.6; 25-AUG-2009 15:20:12; Bright; 41.5; 61; 8Eps Peg ; 2.10; 3900;occ; 83; 0;39143  
 3; 2554.3; 25-AUG-2009 15:28:02; Bright; 69.0; 164; 44Eta Peg ; 2.95; 5400;occ; 138; 0;39143  
 4; 3204.6; 25-AUG-2009 15:38:53; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39143  
 5; 3337.3; 25-AUG-2009 15:41:05; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;39143  
 6; 4175.7; 25-AUG-2009 15:55:04; Bright; 53.5; 6; 13Alp Aur ; 0.08; 3400;occ; 107; 0;39143  
 7; 4375.4; 25-AUG-2009 15:58:23; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;39143  
 8; 4582.8; 25-AUG-2009 16:01:51; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39143  
 9; 4760.1; 25-AUG-2009 16:04:48; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;39143  
 10; 5003.1; 25-AUG-2009 16:08:51; Dark ; 60.5; 14; 58Alp Ori ; 0.87; 3000;occ; 121; 0;39143  
 11; 5107.0; 25-AUG-2009 16:10:35; Dark ; 63.0; 27; 24Gam Ori ; 1.64; 26000;occ; 126; 0;39143  
 12; 5223.9; 25-AUG-2009 16:12:32; Dark ; 52.0; 33; 50Zet Ori ; 1.77; 30000;occ; 104; 0;39143  
 13; 5315.2; 25-AUG-2009 16:14:03; Dark ; 50.0; 125; 44Tot Ori ; 2.77; 30000;occ; 100; 0;39143  
 14; 5409.3; 25-AUG-2009 16:15:37; Dark ; 60.0; 128; 67Bet Eri ; 2.78; 9700;occ; 120; 0;39143  
 15; 5525.1; 25-AUG-2009 16:17:33; Dark ; 49.5; 101; 11Alp Lep ; 2.58; 7000;occ; 99; 0;39143  
 16; 5701.6; 25-AUG-2009 16:20:30; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39143  
 17; 6412.2; 25-AUG-2009 16:32:20; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39143  
 18; 6940.8; 25-AUG-2009 16:41:09; Dark ; 57.5; 84; Alp Phe ; 2.40; 4500;occ; 115; 0;39143

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 2; 1900.8; 25-AUG-2009 16:57:45; Bright; 43.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 86; 0;39144  
 3; 2083.7; 25-AUG-2009 17:00:48; Bright; 42.0; 61; 8Eps Peg ; 2.10; 3900;occ; 84; 0;39144  
 4; 2553.9; 25-AUG-2009 17:08:38; Bright; 69.0; 164; 44Eta Peg ; 2.95; 5400;occ; 138; 0;39144  
 5; 3203.8; 25-AUG-2009 17:19:28; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39144  
 6; 3336.4; 25-AUG-2009 17:21:41; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;39144  
 7; 4175.5; 25-AUG-2009 17:35:40; Bright; 59.5; 6; 13Alp Aur ; 0.08; 3400;occ; 119; 0;39144  
 8; 4375.4; 25-AUG-2009 17:39:00; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;39144  
 9; 4583.0; 25-AUG-2009 17:42:27; Dark ; 61.0; 28; 12Bet Tau ; 1.65; 15200;occ; 122; 0;39144  
 10; 4760.5; 25-AUG-2009 17:45:25; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;39144  
 11; 5003.9; 25-AUG-2009 17:49:28; Dark ; 62.0; 14; 58Alp Ori ; 0.87; 3000;occ; 124; 0;39144  
 12; 5107.8; 25-AUG-2009 17:51:12; Dark ; 59.5; 27; 24Gam Ori ; 1.64; 26000;occ; 119; 0;39144  
 13; 5225.2; 25-AUG-2009 17:53:09; Dark ; 58.0; 30; 46Eps Ori ; 1.69; 30000;occ; 116; 0;39144  
 14; 5342.5; 25-AUG-2009 17:55:07; Dark ; 52.0; 56; 53Kap Ori ; 2.07; 30000;occ; 104; 0;39144  
 15; 5437.2; 25-AUG-2009 17:56:41; Dark ; 75.0; 7; 19Bet Ori ; 0.10; 14000;occ; 150; 0;39144  
 16; 5586.7; 25-AUG-2009 17:59:11; Dark ; 52.5; 139; 9Bet Lep ; 2.83; 5600;occ; 105; 0;39144  
 17; 5702.6; 25-AUG-2009 18:01:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39144  
 18; 6413.5; 25-AUG-2009 18:12:58; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;39144  
 19; 6941.6; 25-AUG-2009 18:21:46; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;39144

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 2; 1900.6; 25-AUG-2009 18:38:21; Bright; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;39145  
 3; 2083.6; 25-AUG-2009 18:41:24; Bright; 41.0; 61; 8Eps Peg ; 2.10; 3900;occ; 82; 0;39145  
 4; 2553.1; 25-AUG-2009 18:49:13; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39145  
 5; 3203.3; 25-AUG-2009 19:00:03; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;39145  
 6; 3335.8; 25-AUG-2009 19:02:16; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39145  
 7; 4175.2; 25-AUG-2009 19:16:15; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;39145  
 8; 4375.5; 25-AUG-2009 19:19:36; Bright; 43.0; 107; 37The Aur ; 2.65; 11000;occ; 86; 0;39145



9; 4583.2; 25-AUG-2009 19:23:03; Dark ; 59.0; 28; 12Bet Tau ; 1.65; 15200;occ; 118; 0;39145  
 10; 4760.8; 25-AUG-2009 19:26:01; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;39145  
 11; 5004.3; 25-AUG-2009 19:30:04; Dark ; 68.0; 14; 58Alp Ori ; 0.87; 3000;occ; 136; 0;39145  
 12; 5108.7; 25-AUG-2009 19:31:49; Dark ; 64.0; 27; 24Gam Ori ; 1.64; 26000;occ; 128; 0;39145  
 13; 5226.2; 25-AUG-2009 19:33:46; Dark ; 58.5; 30; 46Eps Ori ; 1.69; 30000;occ; 117; 0;39145  
 14; 5343.4; 25-AUG-2009 19:35:44; Dark ; 52.0; 56; 53Kap Ori ; 2.07; 30000;occ; 104; 0;39145  
 15; 5438.4; 25-AUG-2009 19:37:19; Dark ; 66.0; 7; 19Bet Ori ; 0.10; 14000;occ; 132; 0;39145  
 16; 5587.5; 25-AUG-2009 19:39:48; Dark ; 50.0; 139; 9Bet Lep ; 2.83; 5600;occ; 100; 0;39145  
 17; 5703.5; 25-AUG-2009 19:41:44; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39145  
 18; 6414.6; 25-AUG-2009 19:53:35; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39145  
 19; 6942.1; 25-AUG-2009 20:02:22; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;39145

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1; -754.6; 26-AUG-2009 00:36:29; Dark ; 57.5; 30; 46Eps Ori ; 1.69; 30000;occ; 115; 105;39148  
 2; -689.9; 26-AUG-2009 00:37:34; Dark ; 51.0; 56; 53Kap Ori ; 2.07; 30000;occ; 102; 0;39148  
 3; -594.0; 26-AUG-2009 00:39:10; Dark ; 68.0; 7; 19Bet Ori ; 0.10; 14000;occ; 136; 0;39148  
 4; -445.5; 26-AUG-2009 00:41:38; Dark ; 49.5; 139; 9Bet Lep ; 2.83; 5600;occ; 99; 0;39148  
 5; -329.5; 26-AUG-2009 00:43:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39148  
 6; 382.5; 26-AUG-2009 00:55:26; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39149  
 7; 908.0; 26-AUG-2009 01:04:12; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;39149  
 8; 1304.2; 26-AUG-2009 01:10:48; Dark ; 49.0; 18; 24Alp PsA ; 1.17; 9700;occ; 98; 0;39149  
 9; 1900.2; 26-AUG-2009 01:20:44; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;39149  
 10; 2082.9; 26-AUG-2009 01:23:47; Bright; 57.0; 61; 8Eps Peg ; 2.10; 3900;occ; 114; 0;39149  
 11; 2550.3; 26-AUG-2009 01:31:34; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39149  
 12; 3200.4; 26-AUG-2009 01:42:24; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39149  
 13; 3332.8; 26-AUG-2009 01:44:36; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39149  
 14; 4174.6; 26-AUG-2009 01:58:38; Bright; 69.0; 6; 13Alp Aur ; 0.08; 3400;occ; 138; 0;39149  
 15; 4375.5; 26-AUG-2009 02:01:59; Bright; 46.5; 107; 37The Aur ; 2.65; 11000;occ; 93; 0;39149  
 16; 4584.1; 26-AUG-2009 02:05:28; Dark ; 62.0; 28; 12Bet Tau ; 1.65; 15200;occ; 124; 0;39149  
 17; 4762.0; 26-AUG-2009 02:08:26; Dark ; 44.5; 44; 24Gam Gem ; 1.93; 11000;occ; 89; 0;39149  
 18; 5006.9; 26-AUG-2009 02:12:31; Dark ; 65.5; 14; 58Alp Ori ; 0.87; 3000;occ; 131; 0;39149

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1; -1019.0; 26-AUG-2009 02:12:41; Dark ; 66.0; 14; 58Alp Ori ; 0.87; 3000;occ; 132; 20;39149  
 2; -923.6; 26-AUG-2009 02:14:16; Dark ; 62.5; 27; 24Gam Ori ; 1.64; 26000;occ; 125; 0;39149  
 3; -806.3; 26-AUG-2009 02:16:13; Dark ; 57.5; 30; 46Eps Ori ; 1.69; 30000;occ; 115; 0;39149  
 4; -689.1; 26-AUG-2009 02:18:10; Dark ; 52.5; 56; 53Kap Ori ; 2.07; 30000;occ; 105; 0;39149  
 5; -592.6; 26-AUG-2009 02:19:47; Dark ; 74.5; 7; 19Bet Ori ; 0.10; 14000;occ; 149; 0;39149  
 6; -444.4; 26-AUG-2009 02:22:15; Dark ; 50.0; 139; 9Bet Lep ; 2.83; 5600;occ; 100; 0;39149  
 7; -328.5; 26-AUG-2009 02:24:11; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39149  
 8; 383.6; 26-AUG-2009 02:36:03; Dark ; 54.5; 157; The1Eri ; 2.91; 9300;occ; 109; 0;39150  
 9; 908.8; 26-AUG-2009 02:44:48; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;39150  
 10; 1304.5; 26-AUG-2009 02:51:24; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;39150  
 11; 1900.2; 26-AUG-2009 03:01:20; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;39150  
 12; 2083.0; 26-AUG-2009 03:04:22; Bright; 42.0; 61; 8Eps Peg ; 2.10; 3900;occ; 84; 0;39150  
 13; 2549.9; 26-AUG-2009 03:12:09; Bright; 47.0; 164; 44Eta Peg ; 2.95; 5400;occ; 94; 0;39150  
 14; 3199.6; 26-AUG-2009 03:22:59; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;39150  
 15; 3332.1; 26-AUG-2009 03:25:12; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;39150

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1; -1861.5; 26-AUG-2009 03:39:14; Bright; 56.5; 6; 13Alp Aur ; 0.08; 3400;occ; 113; 0;39150  
 2; -1660.4; 26-AUG-2009 03:42:35; Bright; 47.0; 107; 37The Aur ; 2.65; 11000;occ; 94; 0;39150  
 3; -1451.6; 26-AUG-2009 03:46:04; Dark ; 59.0; 28; 12Bet Tau ; 1.65; 15200;occ; 118; 0;39150  
 4; -1273.6; 26-AUG-2009 03:49:02; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;39150  
 5; -1028.4; 26-AUG-2009 03:53:07; Dark ; 69.0; 14; 58Alp Ori ; 0.87; 3000;occ; 138; 0;39150  
 6; -922.7; 26-AUG-2009 03:54:53; Dark ; 64.0; 27; 24Gam Ori ; 1.64; 26000;occ; 128; 0;39150  
 7; -805.3; 26-AUG-2009 03:56:50; Dark ; 58.5; 30; 46Eps Ori ; 1.69; 30000;occ; 117; 0;39150  
 8; -688.3; 26-AUG-2009 03:58:47; Dark ; 52.5; 56; 53Kap Ori ; 2.07; 30000;occ; 105; 0;39150  
 9; -591.4; 26-AUG-2009 04:00:24; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39150  
 10; -443.5; 26-AUG-2009 04:02:52; Dark ; 52.0; 139; 9Bet Lep ; 2.83; 5600;occ; 104; 0;39150  
 11; -327.5; 26-AUG-2009 04:04:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39150  
 12; 384.9; 26-AUG-2009 04:16:40; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;39151  
 13; 909.5; 26-AUG-2009 04:25:25; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;39151  
 14; 1304.9; 26-AUG-2009 04:32:00; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;39151  
 15; 1900.1; 26-AUG-2009 04:41:56; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;39151  
 16; 2082.8; 26-AUG-2009 04:44:58; Bright; 40.5; 61; 8Eps Peg ; 2.10; 3900;occ; 81; 0;39151  
 17; 2549.1; 26-AUG-2009 04:52:45; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39151  
 18; 3199.0; 26-AUG-2009 05:03:35; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;39151  
 19; 3331.4; 26-AUG-2009 05:05:47; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;39151

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1; -1861.6; 26-AUG-2009 05:19:50; Bright; 55.0; 6; 13Alp Aur ; 0.08; 3400;occ; 110; 0;39151

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3;-1451.3; 26-AUG-2009 05:26:40; Dark ; 60.0; 28; 12Bet Tau ; 1.65; 15200;occ; 120; 0;39151
4;-1273.4; 26-AUG-2009 05:29:38; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;39151
5;-1027.8; 26-AUG-2009 05:33:44; Dark ; 64.0; 14; 58Alp Ori ; 0.87; 3000;occ; 128; 0;39151
6; -921.9; 26-AUG-2009 05:35:30; Dark ; 65.0; 27; 24Gam Ori ; 1.64; 26000;occ; 130; 0;39151
7; -804.6; 26-AUG-2009 05:37:27; Dark ; 55.5; 30; 46Eps Ori ; 1.69; 30000;occ; 111; 0;39151
8; -687.6; 26-AUG-2009 05:39:24; Dark ; 51.5; 56; 53Kap Ori ; 2.07; 30000;occ; 103; 0;39151
9; -590.2; 26-AUG-2009 05:41:01; Dark ; 69.0; 7; 19Bet Ori ; 0.10; 14000;occ; 138; 0;39151
10; -442.6; 26-AUG-2009 05:43:29; Dark ; 49.0; 139; 9Bet Lep ; 2.83; 5600;occ; 98; 0;39151
11; -326.5; 26-AUG-2009 05:45:25; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39151
12; 386.1; 26-AUG-2009 05:57:18; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39152
13; 910.3; 26-AUG-2009 06:06:02; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39152
14; 1305.3; 26-AUG-2009 06:12:37; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;39152
15; 1900.0; 26-AUG-2009 06:22:31; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;39152
16; 2082.7; 26-AUG-2009 06:25:34; Bright; 48.0; 61; 8Eps Peg ; 2.10; 3900;occ; 96; 0;39152
17; 2548.6; 26-AUG-2009 06:33:20; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39152
18; 3198.4; 26-AUG-2009 06:44:10; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39152
19; 3330.5; 26-AUG-2009 06:46:22; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39152
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2; 1308.0; 26-AUG-2009 21:18:03; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;39161
3; 1899.2; 26-AUG-2009 21:27:54; Bright; 59.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 118; 0;39161
4; 2081.3; 26-AUG-2009 21:30:56; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;39161
5; 2542.6; 26-AUG-2009 21:38:38; Bright; 44.0; 164; 44Eta Peg ; 2.95; 5400;occ; 88; 0;39161
6; 3192.1; 26-AUG-2009 21:49:27; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39161
7; 3323.8; 26-AUG-2009 21:51:39; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39161
8; 4172.0; 26-AUG-2009 22:05:47; Bright; 58.5; 6; 13Alp Aur ; 0.08; 3400;occ; 117; 0;39161
9; 4376.0; 26-AUG-2009 22:09:11; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39161
10; 4587.0; 26-AUG-2009 22:12:42; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39161
11; 4765.7; 26-AUG-2009 22:15:41; Dark ; 46.0; 44; 24Gam Gem ; 1.93; 11000;occ; 92; 0;39161
12; 5014.5; 26-AUG-2009 22:19:49; Dark ; 61.0; 14; 58Alp Ori ; 0.87; 3000;occ; 122; 0;39161
13; 5123.5; 26-AUG-2009 22:21:38; Dark ; 63.5; 27; 24Gam Ori ; 1.64; 26000;occ; 127; 0;39161
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3; -578.2; 26-AUG-2009 22:27:13; Dark ; 73.5; 7; 19Bet Ori ; 0.10; 14000;occ; 147; 0;39161
4; -432.5; 26-AUG-2009 22:29:38; Dark ; 54.0; 139; 9Bet Lep ; 2.83; 5600;occ; 108; 0;39161
5; -316.6; 26-AUG-2009 22:31:34; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39161
6; 398.3; 26-AUG-2009 22:43:29; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;39162
7; 916.8; 26-AUG-2009 22:52:08; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;39162
8; 1308.4; 26-AUG-2009 22:58:39; Dark ; 51.0; 18; 24Alp PsA ; 1.17; 9700;occ; 102; 0;39162
9; 1898.9; 26-AUG-2009 23:08:30; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;39162
10; 2081.3; 26-AUG-2009 23:11:32; Bright; 56.0; 61; 8Eps Peg ; 2.10; 3900;occ; 112; 0;39162
11; 2542.0; 26-AUG-2009 23:19:13; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39162
12; 3191.4; 26-AUG-2009 23:30:02; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39162
13; 3323.1; 26-AUG-2009 23:32:14; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39162
14; 4171.9; 26-AUG-2009 23:46:23; Bright; 58.5; 6; 13Alp Aur ; 0.08; 3400;occ; 117; 0;39162
15; 4376.2; 26-AUG-2009 23:49:47; Bright; 45.5; 107; 37The Aur ; 2.65; 11000;occ; 91; 0;39162
16; 4587.2; 26-AUG-2009 23:53:18; Dark ; 61.0; 28; 12Bet Tau ; 1.65; 15200;occ; 122; 0;39162
17; 4766.1; 26-AUG-2009 23:56:17; Dark ; 43.5; 44; 24Gam Gem ; 1.93; 11000;occ; 87; 0;39162
18; 5015.2; 27-AUG-2009 00:00:26; Dark ; 70.0; 14; 58Alp Ori ; 0.87; 3000;occ; 140; 0;39162
19; 5124.5; 27-AUG-2009 00:02:15; Dark ; 64.5; 27; 24Gam Ori ; 1.64; 26000;occ; 129; 0;39162
20; 5241.7; 27-AUG-2009 00:04:12; Dark ; 57.5; 30; 46Eps Ori ; 1.69; 30000;occ; 115; 0;39162
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3;-1451.1; 26-AUG-2009 07:07:16; Dark ; 58.5; 28; 12Bet Tau ; 1.65; 15200;occ; 117; 0;39152
4;-1273.1; 26-AUG-2009 07:10:14; Dark ; 46.0; 44; 24Gam Gem ; 1.93; 11000;occ; 92; 0;39152
5;-1027.1; 26-AUG-2009 07:14:20; Dark ; 60.5; 14; 58Alp Ori ; 0.87; 3000;occ; 121; 0;39152
6; -920.8; 26-AUG-2009 07:16:07; Dark ; 59.5; 27; 24Gam Ori ; 1.64; 26000;occ; 119; 0;39152
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12; 387.5; 26-AUG-2009 07:37:55; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39153

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4; 3197.8; 26-AUG-2009 08:24:45; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;39153
5; 3329.9; 26-AUG-2009 08:26:57; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;39153
6; 4173.7; 26-AUG-2009 08:41:01; Bright; 59.0; 6; 13Alp Aur ; 0.08; 3400;occ; 118; 0;39153
7; 4375.6; 26-AUG-2009 08:44:23; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39153
8; 4585.1; 26-AUG-2009 08:47:53; Dark ; 59.0; 28; 12Bet Tau ; 1.65; 15200;occ; 118; 0;39153
9; 4763.2; 26-AUG-2009 08:50:51; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;39153
10; 5009.3; 26-AUG-2009 08:54:57; Dark ; 62.5; 14; 58Alp Ori ; 0.87; 3000;occ; 125; 0;39153
11; 5116.1; 26-AUG-2009 08:56:44; Dark ; 63.0; 27; 24Gam Ori ; 1.64; 26000;occ; 126; 0;39153
12; 5233.3; 26-AUG-2009 08:58:41; Dark ; 58.5; 30; 46Eps Ori ; 1.69; 30000;occ; 117; 0;39153
13; 5350.1; 26-AUG-2009 09:00:38; Dark ; 50.5; 56; 53Kap Ori ; 2.07; 30000;occ; 101; 0;39153
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16; 5711.4; 26-AUG-2009 09:06:39; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39153
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18; 6947.4; 26-AUG-2009 09:27:15; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;39153
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3; 2547.0; 26-AUG-2009 09:54:30; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39154
4; 3196.8; 26-AUG-2009 10:05:20; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;39154
5; 3329.1; 26-AUG-2009 10:07:32; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39154
6; 4173.8; 26-AUG-2009 10:21:37; Bright; 69.0; 6; 13Alp Aur ; 0.08; 3400;occ; 138; 0;39154
7; 4375.7; 26-AUG-2009 10:24:59; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39154
8; 4585.3; 26-AUG-2009 10:28:29; Dark ; 58.0; 28; 12Bet Tau ; 1.65; 15200;occ; 116; 0;39154
9; 4763.6; 26-AUG-2009 10:31:27; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;39154
10; 5010.0; 26-AUG-2009 10:35:33; Dark ; 69.0; 14; 58Alp Ori ; 0.87; 3000;occ; 138; 0;39154
11; 5116.9; 26-AUG-2009 10:37:20; Dark ; 59.0; 27; 24Gam Ori ; 1.64; 26000;occ; 118; 0;39154
12; 5234.2; 26-AUG-2009 10:39:18; Dark ; 58.5; 30; 46Eps Ori ; 1.69; 30000;occ; 117; 0;39154
13; 5350.9; 26-AUG-2009 10:41:14; Dark ; 52.0; 56; 53Kap Ori ; 2.07; 30000;occ; 104; 0;39154
14; 5449.4; 26-AUG-2009 10:42:53; Dark ; 67.0; 7; 19Bet Ori ; 0.10; 14000;occ; 134; 0;39154
15; 5596.4; 26-AUG-2009 10:45:20; Dark ; 50.5; 139; 9Bet Lep ; 2.83; 5600;occ; 101; 0;39154
16; 5712.3; 26-AUG-2009 10:47:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39154
17; 6425.5; 26-AUG-2009 10:59:09; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39154
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3; 3196.0; 26-AUG-2009 11:45:55; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;39155
4; 3328.3; 26-AUG-2009 11:48:08; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39155
5; 4173.3; 26-AUG-2009 12:02:13; Bright; 55.5; 6; 13Alp Aur ; 0.08; 3400;occ; 111; 0;39155
6; 4375.7; 26-AUG-2009 12:05:35; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39155
7; 4585.6; 26-AUG-2009 12:09:05; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39155
8; 4763.8; 26-AUG-2009 12:12:03; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;39155
9; 5010.6; 26-AUG-2009 12:16:10; Dark ; 62.5; 14; 58Alp Ori ; 0.87; 3000;occ; 125; 0;39155
10; 5117.8; 26-AUG-2009 12:17:57; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;39155
11; 5235.1; 26-AUG-2009 12:19:54; Dark ; 56.5; 30; 46Eps Ori ; 1.69; 30000;occ; 113; 0;39155
12; 5351.8; 26-AUG-2009 12:21:51; Dark ; 49.0; 56; 53Kap Ori ; 2.07; 30000;occ; 98; 0;39155
13; 5450.5; 26-AUG-2009 12:23:30; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39155
14; 5597.3; 26-AUG-2009 12:25:57; Dark ; 49.5; 139; 9Bet Lep ; 2.83; 5600;occ; 99; 0;39155
15; 5713.3; 26-AUG-2009 12:27:53; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39155
16; 6426.9; 26-AUG-2009 12:39:46; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39155
17; 6948.6; 26-AUG-2009 12:48:28; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;39155
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 12; 5352.6; 26-AUG-2009 14:02:28; Dark ; 52.0; 56; 53Kap Ori ; 2.07; 30000;occ; 104; 0;39156  
 13; 5451.6; 26-AUG-2009 14:04:07; Dark ; 67.5; 7; 19Bet Ori ; 0.10; 14000;occ; 135; 0;39156  
 14; 5598.3; 26-AUG-2009 14:06:33; Dark ; 54.0; 139; 9Bet Lep ; 2.83; 5600;occ; 108; 0;39156  
 15; 5714.3; 26-AUG-2009 14:08:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39156  
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 17; 6949.5; 26-AUG-2009 14:29:05; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;39156  
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 12; 5237.0; 26-AUG-2009 15:41:08; Dark ; 57.0; 30; 46Eps Ori ; 1.69; 30000;occ; 114; 0;39157  
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 15; 5599.3; 26-AUG-2009 15:47:10; Dark ; 55.0; 139; 9Bet Lep ; 2.83; 5600;occ; 110; 0;39157  
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 5; 2285.8; 27-AUG-2009 21:02:44; Bright; 25.0; 90; 54Alp Peg ; 2.49; 11000;occ; 50; 0;39175
 6; 2534.1; 27-AUG-2009 21:06:52; Bright; 44.5; 164; 44Eta Peg ; 2.95; 5400;occ; 89; 0;39175
 7; 3182.4; 27-AUG-2009 21:17:40; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39175
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11; 4590.6; 27-AUG-2009 21:41:08; Dark ; 62.5; 28; 12Bet Tau ; 1.65; 15200;occ; 125; 0;39175
12; 4770.5; 27-AUG-2009 21:44:08; Dark ; 42.5; 44; 24Gam Gem ; 1.93; 11000;occ; 85; 0;39175
13; 5024.1; 27-AUG-2009 21:48:22; Dark ; 71.0; 14; 58Alp Ori ; 0.87; 3000;occ; 142; 0;39175
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7; 926.0; 27-AUG-2009 22:20:40; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;39176
8; 1312.7; 27-AUG-2009 22:27:06; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;39176
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11; 2532.7; 28-AUG-2009 00:28:02; Bright; 44.0; 164; 44Eta Peg ; 2.95; 5400;occ; 88; 0;39177
12; 3180.9; 28-AUG-2009 00:38:50; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39177
13; 3312.2; 28-AUG-2009 00:41:02; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39177
14; 4169.1; 28-AUG-2009 00:55:19; Bright; 55.0; 6; 13Alp Aur ; 0.08; 3400;occ; 110; 0;39177
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17; 4771.2; 28-AUG-2009 01:05:21; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;39177
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6; 927.2; 28-AUG-2009 01:41:53; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;39178
7; 1313.3; 28-AUG-2009 01:48:19; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;39178
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3; -1444.4; 28-AUG-2009 02:42:57; Dark ; 52.0; 28; 12Bet Tau ; 1.65; 15200;occ; 104; 0;39178
4; -1366.4; 28-AUG-2009 02:44:15; Dark ; 53.5; 151; 13Mu Gem ; 2.89; 3000;occ; 107; 0;39178
5; -1264.3; 28-AUG-2009 02:45:57; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;39178
6; -1009.9; 28-AUG-2009 02:50:11; Dark ; 68.5; 14; 58Alp Ori ; 0.87; 3000;occ; 137; 0;39178
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8; -556.2; 28-AUG-2009 02:57:45; Dark ; 73.5; 7; 19Bet Ori ; 0.10; 14000;occ; 147; 0;39178
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2; 928.7; 28-AUG-2009 05:03:06; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;39180
3; 1313.8; 28-AUG-2009 05:09:31; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;39180
4; 1898.0; 28-AUG-2009 05:19:15; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;39180
5; 2282.6; 28-AUG-2009 05:25:40; Bright; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;39180
6; 2530.8; 28-AUG-2009 05:29:48; Bright; 67.0; 164; 44Eta Peg ; 2.95; 5400;occ; 134; 0;39180

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4;-1365.9; 28-AUG-2009 06:05:27; Dark ; 43.5; 151; 13Mu Gem ; 2.89; 3000;occ; 87; 0;39180
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7; 4377.7; 30-AUG-2009 09:59:09; Bright; 46.5; 107; 37The Aur ; 2.65; 11000;occ; 93; 0;39211
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7; 1325.3; 31-AUG-2009 00:13:40; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;39220
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 7; 4378.1; 31-AUG-2009 09:27:32; Bright; 50.0; 107; 37The Aur ; 2.65; 11000;occ; 100; 0;39225  
 8; 4683.9; 31-AUG-2009 09:32:38; Dark ; 61.0; 151; 13Mu Gem ; 2.89; 3000;occ; 122; 0;39225  
 9; 4788.9; 31-AUG-2009 09:34:23; Dark ; 51.5; 44; 24Gam Gem ; 1.93; 11000;occ; 103; 0;39225  
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 11; 5308.1; 31-AUG-2009 09:43:02; Dark ; 64.5; 30; 46Eps Ori ; 1.69; 30000;occ; 129; 0;39225  
 12; 5443.4; 31-AUG-2009 09:45:17; Dark ; 42.5; 47; 2Bet CMA ; 1.98; 28000;occ; 85; 0;39225  
 13; 5611.6; 31-AUG-2009 09:48:06; Dark ; 53.0; 101; 11Alp Lep ; 2.58; 7000;occ; 106; 0;39225  
 14; 5787.9; 31-AUG-2009 09:51:02; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39225  
 15; 6512.6; 31-AUG-2009 10:03:06; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39225  
 16; 6993.1; 31-AUG-2009 10:11:07; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39225  
 17; 7363.2; 31-AUG-2009 10:17:17; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;39225

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 3; 2505.7; 31-AUG-2009 10:36:55; Bright; 43.0; 164; 44Eta Peg ; 2.95; 5400;occ; 86; 0;39226  
 4; 3148.7; 31-AUG-2009 10:47:39; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39226  
 5; 3277.3; 31-AUG-2009 10:49:47; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39226  
 6; 4157.9; 31-AUG-2009 11:04:28; Bright; 59.5; 6; 13Alp Aur ; 0.08; 3400;occ; 119; 0;39226  
 7; 4378.2; 31-AUG-2009 11:08:08; Bright; 48.5; 107; 37The Aur ; 2.65; 11000;occ; 97; 0;39226  
 8; 4684.2; 31-AUG-2009 11:13:14; Dark ; 64.0; 151; 13Mu Gem ; 2.89; 3000;occ; 128; 0;39226  
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 11; 5309.1; 31-AUG-2009 11:23:39; Dark ; 63.0; 30; 46Eps Ori ; 1.69; 30000;occ; 126; 0;39226  
 12; 5444.1; 31-AUG-2009 11:25:54; Dark ; 47.5; 47; 2Bet CMA ; 1.98; 28000;occ; 95; 0;39226  
 13; 5612.7; 31-AUG-2009 11:28:42; Dark ; 55.5; 101; 11Alp Lep ; 2.58; 7000;occ; 111; 0;39226  
 14; 5789.0; 31-AUG-2009 11:31:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39226  
 15; 6513.8; 31-AUG-2009 11:43:44; Dark ; 55.0; 157; The1Eri ; 2.91; 9300;occ; 110; 0;39226  
 16; 6993.6; 31-AUG-2009 11:51:43; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;39226  
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 3; 2505.1; 31-AUG-2009 12:17:31; Bright; 41.0; 164; 44Eta Peg ; 2.95; 5400;occ; 82; 0;39227  
 4; 3148.2; 31-AUG-2009 12:28:14; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;39227  
 5; 3276.6; 31-AUG-2009 12:30:22; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39227  
 6; 4157.6; 31-AUG-2009 12:45:03; Bright; 73.0; 6; 13Alp Aur ; 0.08; 3400;occ; 146; 0;39227  
 7; 4378.2; 31-AUG-2009 12:48:44; Bright; 51.5; 107; 37The Aur ; 2.65; 11000;occ; 103; 0;39227  
 8; 4684.5; 31-AUG-2009 12:53:50; Dark ; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;39227  
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 11; 5310.3; 31-AUG-2009 13:04:16; Dark ; 59.0; 30; 46Eps Ori ; 1.69; 30000;occ; 118; 0;39227  
 12; 5445.0; 31-AUG-2009 13:06:31; Dark ; 47.0; 47; 2Bet CMA ; 1.98; 28000;occ; 94; 0;39227  
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 16; 6994.1; 31-AUG-2009 13:32:20; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;39227  
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 3; 3147.5; 31-AUG-2009 14:08:49; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39228



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6; 4378.3; 31-AUG-2009 14:29:20; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39228
7; 4684.9; 31-AUG-2009 14:34:26; Dark ; 56.5; 151; 13Mu Gem ; 2.89; 3000;occ; 113; 0;39228
8; 4790.1; 31-AUG-2009 14:36:12; Dark ; 48.0; 44; 24Gam Gem ; 1.93; 11000;occ; 96; 0;39228
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10; 5311.7; 31-AUG-2009 14:44:53; Dark ; 65.0; 30; 46Eps Ori ; 1.69; 30000;occ; 130; 0;39228
11; 5445.8; 31-AUG-2009 14:47:07; Dark ; 46.5; 47; 2Bet CMA ; 1.98; 28000;occ; 93; 0;39228
12; 5615.1; 31-AUG-2009 14:49:57; Dark ; 54.0; 101; 11Alp Lep ; 2.58; 7000;occ; 108; 0;39228
13; 5791.4; 31-AUG-2009 14:52:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39228
14; 6516.3; 31-AUG-2009 15:04:58; Dark ; 54.5; 157; The1Eri ; 2.91; 9300;occ; 109; 0;39228
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2; 2253.0; 31-AUG-2009 15:34:30; Bright; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;39229
3; 2504.2; 31-AUG-2009 15:38:42; Bright; 55.5; 164; 44Eta Peg ; 2.95; 5400;occ; 111; 0;39229
4; 3146.9; 31-AUG-2009 15:49:24; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39229
5; 3275.1; 31-AUG-2009 15:51:33; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;39229
6; 4157.4; 31-AUG-2009 16:06:15; Bright; 58.5; 6; 13Alp Aur ; 0.08; 3400;occ; 117; 0;39229
7; 4378.1; 31-AUG-2009 16:09:56; Bright; 48.0; 107; 37The Aur ; 2.65; 11000;occ; 96; 0;39229
8; 4685.1; 31-AUG-2009 16:15:03; Dark ; 55.0; 151; 13Mu Gem ; 2.89; 3000;occ; 110; 0;39229
9; 4790.5; 31-AUG-2009 16:16:48; Dark ; 49.5; 44; 24Gam Gem ; 1.93; 11000;occ; 99; 0;39229
10; 5064.4; 31-AUG-2009 16:21:22; Dark ; 73.0; 14; 58Alp Ori ; 0.87; 3000;occ; 146; 0;39229
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13; 5616.3; 31-AUG-2009 16:30:34; Dark ; 56.0; 101; 11Alp Lep ; 2.58; 7000;occ; 112; 0;39229
14; 5792.6; 31-AUG-2009 16:33:30; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39229
15; 6517.5; 31-AUG-2009 16:45:35; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39229
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3; 2503.7; 31-AUG-2009 17:19:17; Bright; 64.0; 164; 44Eta Peg ; 2.95; 5400;occ; 128; 0;39230
4; 3146.3; 31-AUG-2009 17:30:00; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39230
5; 3274.4; 31-AUG-2009 17:32:08; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;39230
6; 4157.1; 31-AUG-2009 17:46:51; Bright; 54.5; 6; 13Alp Aur ; 0.08; 3400;occ; 109; 0;39230
7; 4378.2; 31-AUG-2009 17:50:32; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39230
8; 4685.5; 31-AUG-2009 17:55:39; Dark ; 57.0; 151; 13Mu Gem ; 2.89; 3000;occ; 114; 0;39230
9; 4790.9; 31-AUG-2009 17:57:24; Dark ; 49.0; 44; 24Gam Gem ; 1.93; 11000;occ; 98; 0;39230
10; 5314.3; 31-AUG-2009 18:06:08; Dark ; 58.0; 30; 46Eps Ori ; 1.69; 30000;occ; 116; 0;39230
11; 5447.4; 31-AUG-2009 18:08:21; Dark ; 45.5; 47; 2Bet CMA ; 1.98; 28000;occ; 91; 0;39230
12; 5617.6; 31-AUG-2009 18:11:11; Dark ; 58.5; 101; 11Alp Lep ; 2.58; 7000;occ; 117; 0;39230
13; 5793.7; 31-AUG-2009 18:14:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39230
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3; 2503.2; 31-AUG-2009 18:59:53; Bright; 42.5; 164; 44Eta Peg ; 2.95; 5400;occ; 85; 0;39231
4; 3145.5; 31-AUG-2009 19:10:35; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39231
5; 3273.8; 31-AUG-2009 19:12:43; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39231
6; 4156.8; 31-AUG-2009 19:27:26; Bright; 59.5; 6; 13Alp Aur ; 0.08; 3400;occ; 119; 0;39231
7; 4378.2; 31-AUG-2009 19:31:08; Bright; 47.5; 107; 37The Aur ; 2.65; 11000;occ; 95; 0;39231
8; 4685.8; 31-AUG-2009 19:36:15; Dark ; 57.0; 151; 13Mu Gem ; 2.89; 3000;occ; 114; 0;39231
9; 4791.2; 31-AUG-2009 19:38:01; Dark ; 50.5; 44; 24Gam Gem ; 1.93; 11000;occ; 101; 0;39231
10; 5315.1; 31-AUG-2009 19:46:45; Dark ; 58.0; 30; 46Eps Ori ; 1.69; 30000;occ; 116; 0;39231
11; 5447.9; 31-AUG-2009 19:48:57; Dark ; 46.0; 47; 2Bet CMA ; 1.98; 28000;occ; 92; 0;39231
12; 5618.7; 31-AUG-2009 19:51:48; Dark ; 54.0; 101; 11Alp Lep ; 2.58; 7000;occ; 108; 0;39231
13; 5794.8; 31-AUG-2009 19:54:44; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39231
14; 6519.9; 31-AUG-2009 20:06:49; Dark ; 56.5; 157; The1Eri ; 2.91; 9300;occ; 113; 0;39231
15; 6996.5; 31-AUG-2009 20:14:46; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;39231

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