

# GOMOS Daily Report 19-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	21AUG2009 04:35:36
Data source version	GOMOS/5.00
Start time of products	19AUG2009 00:00:29
Stop time of products	19AUG2009 23:53:36
Store outputs in DB	Yes
Nb of level 1b prods	125
Nb of prods with errors	2

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

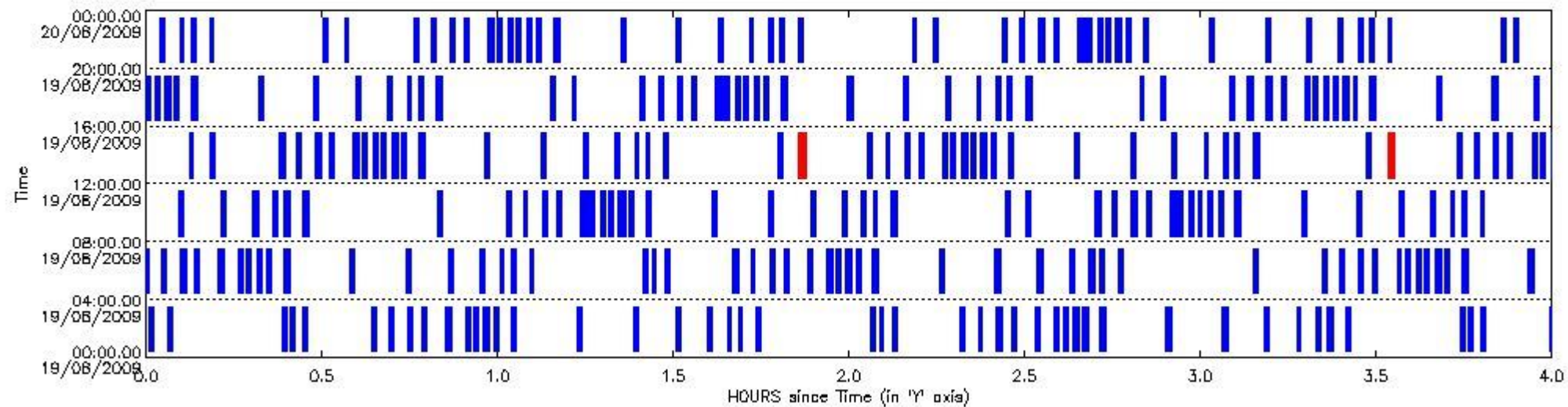
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
19-AUG-2009 13:51:27	37DelCas	110	39056
19-AUG-2009 15:32:02	37DelCas	110	39057

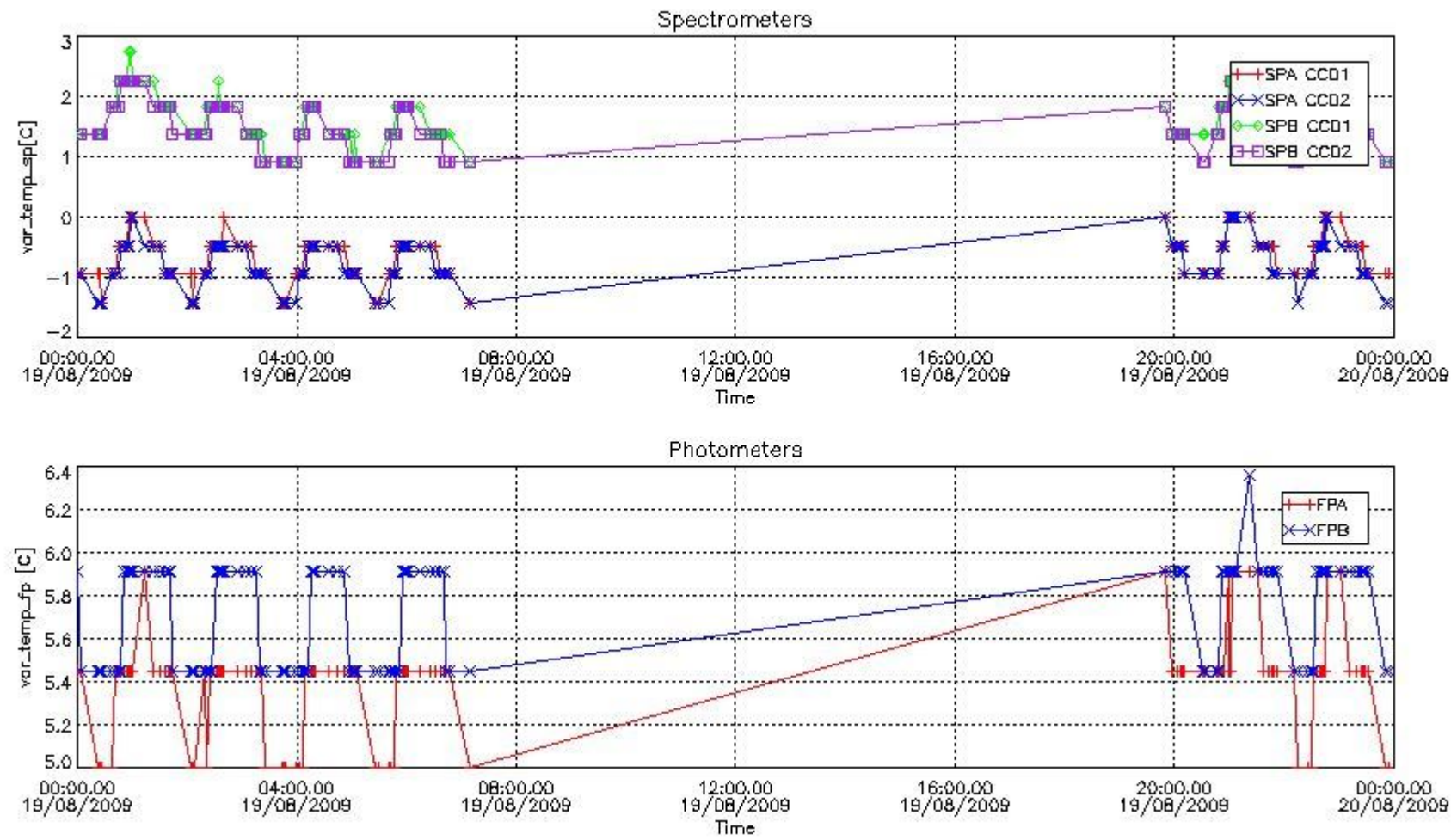
### 2.4 Summary of processed GOM\_TRA\_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20090819_000029_000000462081_00417_39048_6749.N1	19-AUG-2009 00:00:29	Bright	45.500	162	34Alp Aqr	2.9440	5350.0	91	39048	No
2	GOM_TRA_1PNPDE20090819_000338_000000432081_00417_39048_6750.N1	19-AUG-2009 00:03:38	Bright	43.000	61	8Eps Peg	2.1000	3900.0	86	39048	No
3	GOM_TRA_1PNPDE20090819_002309_000000492081_00417_39048_6751.N1	19-AUG-2009 00:23:09	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	39048	No
4	GOM_TRA_1PNPDE20090819_002438_000000402081_00417_39048_6752.N1	19-AUG-2009 00:24:38	Bright	40.000	68	18Alp Cas	2.2250	4500.0	80	39048	No
5	GOM_TRA_1PNPDE20090819_002645_000000482081_00417_39048_6753.N1	19-AUG-2009 00:26:45	Bright	48.000	110	37Del Cas	2.6780	8900.0	96	39048	No
6	GOM_TRA_1PNPDE20090819_003825_000000542081_00417_39048_6754.N1	19-AUG-2009 00:38:25	Bright	53.500	6	13Alp Aur	0.080000	3400.0	107	39048	No
7	GOM_TRA_1PNPDE20090819_004125_000000422081_00417_39048_6755.N1	19-AUG-2009 00:41:25	Bright	42.000	107	37The Aur	2.6490	11000.	84	39048	No
8	GOM_TRA_1PNPDE20090819_004437_000000532081_00417_39048_6756.N1	19-AUG-2009 00:44:37	Tw_i_and_stray	53.000	28	12Bet Tau	1.6500	15200.	106	39048	No
9	GOM_TRA_1PNPDE20090819_004704_000000492081_00417_39048_6757.N1	19-AUG-2009 00:47:04	Tw_i_and_stray	48.500	176	23Zet Tau	3.0200	22000.	97	39048	No

10	GOM_TRA_1PNPDE20090819_005106_000000622081_00417_39048_6758.N1	19-AUG-2009 00:51:06	Dark	62.000	14	58Alp Ori	0.87000	3000.0	124	39048	No
11	GOM_TRA_1PNPDE20090819_005426_000000552081_00417_39048_6759.N1	19-AUG-2009 00:54:26	Dark	54.500	30	46Eps Ori	1.6940	30000.	109	39048	No
12	GOM_TRA_1PNPDE20090819_005552_000000472081_00417_39048_6760.N1	19-AUG-2009 00:55:52	Dark	47.000	125	44Iot Ori	2.7700	30000.	94	39048	No
13	GOM_TRA_1PNPDE20090819_005733_000000642081_00417_39048_6882.N1	19-AUG-2009 00:57:33	Dark	64.000	7	19Bet Ori	0.10000	14000.	128	39048	No
14	GOM_TRA_1PNPDE20090819_005920_000000492081_00417_39048_6883.N1	19-AUG-2009 00:59:20	Dark	49.000	101	11Alp Lep	2.5820	7000.0	98	39048	No
15	GOM_TRA_1PNPDE20090819_011331_000000512081_00418_39049_6884.N1	19-AUG-2009 01:13:31	Dark	51.000	157	The1Eri	2.9060	9300.0	102	39049	No
16	GOM_TRA_1PNPDE20090819_012306_000000552081_00418_39049_6885.N1	19-AUG-2009 01:23:06	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	39049	No
17	GOM_TRA_1PNPDE20090819_013020_000000532081_00418_39049_6886.N1	19-AUG-2009 01:30:20	Twilight_and_stray	53.000	18	24Alp PsA	1.1660	9700.0	106	39049	No
18	GOM_TRA_1PNPDE20090819_013548_000000452081_00418_39049_6887.N1	19-AUG-2009 01:35:48	Bright	44.500	142	49Del Cap	2.8500	8900.0	89	39049	No
19	GOM_TRA_1PNPDE20090819_013911_000000412081_00418_39049_6888.N1	19-AUG-2009 01:39:11	Bright	41.000	154	22Bet Aqr	2.8990	5700.0	82	39049	No
20	GOM_TRA_1PNPDE20090819_014105_000000442081_00418_39049_6889.N1	19-AUG-2009 01:41:05	Bright	44.000	162	34Alp Aqr	2.9440	5350.0	88	39049	No
21	GOM_TRA_1PNPDE20090819_014413_000000452081_00418_39049_6890.N1	19-AUG-2009 01:44:13	Bright	44.500	61	8Eps Peg	2.1000	3900.0	89	39049	No
22	GOM_TRA_1PNPDE20090819_020344_000000482081_00418_39049_6891.N1	19-AUG-2009 02:03:44	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	39049	No
23	GOM_TRA_1PNPDE20090819_020513_000000402081_00418_39049_6892.N1	19-AUG-2009 02:05:13	Bright	40.000	68	18Alp Cas	2.2250	4500.0	80	39049	No
24	GOM_TRA_1PNPDE20090819_020721_000000502081_00418_39049_6893.N1	19-AUG-2009 02:07:21	Bright	49.500	110	37Del Cas	2.6780	8900.0	99	39049	No
25	GOM_TRA_1PNPDE20090819_021901_000000512081_00418_39049_7027.N1	19-AUG-2009 02:19:01	Bright	51.000	6	13Alp Aur	0.080000	3400.0	102	39049	No
26	GOM_TRA_1PNPDE20090819_022201_000000422081_00418_39049_7028.N1	19-AUG-2009 02:22:01	Bright	41.500	107	37The Aur	2.6490	11000.	83	39049	No
27	GOM_TRA_1PNPDE20090819_022513_000000542081_00418_39049_7029.N1	19-AUG-2009 02:25:13	Twilight_and_stray	53.500	28	12Bet Tau	1.6500	15200.	107	39049	No
28	GOM_TRA_1PNPDE20090819_022740_000000512081_00418_39049_7030.N1	19-AUG-2009 02:27:40	Twilight_and_stray	50.500	176	23Zet Tau	3.0200	22000.	101	39049	No
29	GOM_TRA_1PNPDE20090819_023143_000000592081_00418_39049_7031.N1	19-AUG-2009 02:31:43	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	39049	No
30	GOM_TRA_1PNPDE20090819_023502_000000532081_00418_39049_7032.N1	19-AUG-2009 02:35:02	Dark	52.500	30	46Eps Ori	1.6940	30000.	105	39049	No
31	GOM_TRA_1PNPDE20090819_023629_000000492081_00418_39049_7033.N1	19-AUG-2009 02:36:29	Dark	48.500	125	44Iot Ori	2.7700	30000.	97	39049	No
32	GOM_TRA_1PNPDE20090819_023810_000000682081_00418_39049_7034.N1	19-AUG-2009 02:38:10	Dark	68.000	7	19Bet Ori	0.10000	14000.	136	39049	No
33	GOM_TRA_1PNPDE20090819_023957_000000492081_00418_39049_7035.N1	19-AUG-2009 02:39:57	Dark	49.000	101	11Alp Lep	2.5820	7000.0	98	39049	No
34	GOM_TRA_1PNPDE20090819_025408_000000532081_00419_39050_7036.N1	19-AUG-2009 02:54:08	Dark	52.500	157	The1Eri	2.9060	9300.0	105	39050	No
35	GOM_TRA_1PNPDE20090819_030343_000000552081_00419_39050_7037.N1	19-AUG-2009 03:03:43	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	39050	No
36	GOM_TRA_1PNPDE20090819_031057_000000512081_00419_39050_7038.N1	19-AUG-2009 03:10:57	Twilight_and_stray	51.000	18	24Alp PsA	1.1660	9700.0	102	39050	No
37	GOM_TRA_1PNPDE20090819_031624_000000422081_00419_39050_7039.N1	19-AUG-2009 03:16:24	Bright	42.000	142	49Del Cap	2.8500	8900.0	84	39050	No
38	GOM_TRA_1PNPDE20090819_031946_000000412081_00419_39050_7040.N1	19-AUG-2009 03:19:46	Bright	41.000	154	22Bet Aqr	2.8990	5700.0	82	39050	No
39	GOM_TRA_1PNPDE20090819_032141_000000622081_00419_39050_7041.N1	19-AUG-2009 03:21:41	Bright	62.000	162	34Alp Aqr	2.9440	5350.0	124	39050	No
40	GOM_TRA_1PNPDE20090819_032449_000000442081_00419_39050_7042.N1	19-AUG-2009 03:24:49	Bright	44.000	61	8Eps Peg	2.1000	3900.0	88	39050	No
41	GOM_TRA_1PNPDE20090819_034420_000000452081_00419_39050_7043.N1	19-AUG-2009 03:44:20	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	39050	No
42	GOM_TRA_1PNPDE20090819_034548_000000422081_00419_39050_7044.N1	19-AUG-2009 03:45:48	Bright	42.000	68	18Alp Cas	2.2250	4500.0	84	39050	No
43	GOM_TRA_1PNPDE20090819_034756_000000492081_00419_39050_7045.N1	19-AUG-2009 03:47:56	Bright	49.000	110	37Del Cas	2.6780	8900.0	98	39050	No
44	GOM_TRA_1PNPDE20090819_035936_000000542081_00419_39050_7209.N1	19-AUG-2009 03:59:36	Bright	53.500	6	13Alp Aur	0.080000	3400.0	107	39050	No
45	GOM_TRA_1PNPDE20090819_040237_000000412081_00419_39050_7210.N1	19-AUG-2009 04:02:37	Bright	40.500	107	37The Aur	2.6490	11000.	81	39050	No
46	GOM_TRA_1PNPDE20090819_040549_000000552081_00419_39050_7211.N1	19-AUG-2009 04:05:49	Twilight_and_stray	54.500	28	12Bet Tau	1.6500	15200.	109	39050	No
47	GOM_TRA_1PNPDE20090819_040816_000000502081_00419_39050_7212.N1	19-AUG-2009 04:08:16	Twilight_and_stray	50.000	176	23Zet Tau	3.0200	22000.	100	39050	No
48	GOM_TRA_1PNPDE20090819_041219_000000622081_00419_39050_7213.N1	19-AUG-2009 04:12:19	Dark	62.000	14	58Alp Ori	0.87000	3000.0	124	39050	No
49	GOM_TRA_1PNPDE20090819_041539_000000512081_00419_39050_7214.N1	19-AUG-2009 04:15:39	Dark	51.000	30	46Eps Ori	1.6940	30000.	102	39050	No
50	GOM_TRA_1PNPDE20090819_041706_000000482081_00419_39050_7215.N1	19-AUG-2009 04:17:06	Dark	48.000	125	44Iot Ori	2.7700	30000.	96	39050	No
51	GOM_TRA_1PNPDE20090819_041847_000000592081_00419_39050_7216.N1	19-AUG-2009 04:18:47	Dark	58.500	7	19Bet Ori	0.10000	14000.	117	39050	No
52	GOM_TRA_1PNPDE20090819_042033_000000452081_00419_39050_7217.N1	19-AUG-2009 04:20:33	Dark	45.000	101	11Alp Lep	2.5820	7000.0	90	39050	No
53	GOM_TRA_1PNPDE20090819_043445_000000532081_00420_39051_7218.N1	19-AUG-2009 04:34:45	Dark	52.500	157	The1Eri	2.9060	9300.0	105	39051	No
54	GOM_TRA_1PNPDE20090819_044419_000000522081_00420_39051_7219.N1	19-AUG-2009 04:44:19	Straylight	51.500	84	Alp Phe	2.3970	4500.0	103	39051	No
55	GOM_TRA_1PNPDE20090819_045133_000000532081_00420_39051_7220.N1	19-AUG-2009 04:51:33	Twilight_and_stray	52.500	18	24Alp PsA	1.1660	9700.0	105	39051	No
56	GOM_TRA_1PNPDE20090819_045700_000000422081_00420_39051_7221.N1	19-AUG-2009 04:57:00	Bright	42.000	142	49Del Cap	2.8500	8900.0	84	39051	No
57	GOM_TRA_1PNPDE20090819_050022_000000412081_00420_39051_7222.N1	19-AUG-2009 05:00:22	Bright	40.500	154	22Bet Aqr	2.8990	5700.0	81	39051	No
58	GOM_TRA_1PNPDE20090819_050217_000000442081_00420_39051_7223.N1	19-AUG-2009 05:02:17	Bright	43.500	162	34Alp Aqr	2.9440	5350.0	87	39051	No
59	GOM_TRA_1PNPDE20090819_050524_000000452081_00420_39051_7224.N1	19-AUG-2009 05:05:24	Bright	44.500	61	8Eps Peg	2.1000	3900.0	89	39051	No
60	GOM_TRA_1PNPDE20090819_052455_000000492081_00420_39051_7225.N1	19-AUG-2009 05:24:55	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	39051	No
61	GOM_TRA_1PNPDE20090819_052623_000000422081_00420_39051_7226.N1	19-AUG-2009 05:26:23	Bright	42.000	68	18Alp Cas	2.2250	4500.0	84	39051	No
62	GOM_TRA_1PNPDE20090819_052831_000000472081_00420_39051_7227.N1	19-AUG-2009 05:28:31	Bright	46.500	110	37Del Cas	2.6780	8900.0	93	39051	No
63	GOM_TRA_1PNPDE20090819_054012_000000512081_00420_39051_7396.N1	19-AUG-2009 05:40:12	Bright	50.500	6	13Alp Aur	0.080000	3400.0	101	39051	No
64	GOM_TRA_1PNPDE20090819_054313_000000412081_00420_39051_7397.N1	19-AUG-2009 05:43:13	Bright	41.000	107	37The Aur	2.6490	11000.	82	39051	No
65	GOM_TRA_1PNPDE20090819_054625_000000542081_00420_39051_7398.N1	19-AUG-2009 05:46:25	Twilight_and_stray	53.500	28	12Bet Tau	1.6500	15200.	107	39051	No
66	GOM_TRA_1PNPDE20090819_054853_000000482081_00420_39051_7399.N1	19-AUG-2009 05:48:53	Twilight_and_stray	47.500	176	23Zet Tau	3.0200	22000.	95	39051	No
67	GOM_TRA_1PNPDE20090819_055256_000000512081_00420_39051_7400.N1	19-AUG-2009 05:52:56	Dark	50.500	14	58Alp Ori	0.87000	3000.0	101	39051	No
68	GOM_TRA_1PNPDE20090819_055615_000000522081_00420_39051_7401.N1	19-AUG-2009 05:56:15	Dark	51.500	30	46Eps Ori	1.6940	30000.	103	39051	No

69	GOM_TRA_1PNPDE20090819_055743_000000472081_00420_39051_7402.N1	19-AUG-2009 05:57:43	Dark	47.000	125	44Iot Ori	2.7700	30000.	94	39051	No
70	GOM_TRA_1PNPDE20090819_055924_000000582081_00420_39051_7403.N1	19-AUG-2009 05:59:24	Dark	58.000	7	19Bet Ori	0.10000	14000.	116	39051	No
71	GOM_TRA_1PNPDE20090819_060110_000000492081_00420_39051_7404.N1	19-AUG-2009 06:01:10	Dark	48.500	101	11Alp Lep	2.5820	7000.0	97	39051	No
72	GOM_TRA_1PNPDE20090819_061523_000000522081_00421_39052_7405.N1	19-AUG-2009 06:15:23	Dark	51.500	157	The1Eri	2.9060	9300.0	103	39052	No
73	GOM_TRA_1PNPDE20090819_062456_000000552081_00421_39052_7406.N1	19-AUG-2009 06:24:56	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	39052	No
74	GOM_TRA_1PNPDE20090819_063209_000000522081_00421_39052_7407.N1	19-AUG-2009 06:32:09	Tw_i_and_stray	51.500	18	24Alp PsA	1.1660	9700.0	103	39052	No
75	GOM_TRA_1PNPDE20090819_063736_000000582081_00421_39052_7408.N1	19-AUG-2009 06:37:36	Bright	58.000	142	49Del Cap	2.8500	8900.0	116	39052	No
76	GOM_TRA_1PNPDE20090819_064059_000000572081_00421_39052_7409.N1	19-AUG-2009 06:40:59	Bright	57.000	154	22Bet Aqr	2.8990	5700.0	114	39052	No
77	GOM_TRA_1PNPDE20090819_064252_000000442081_00421_39052_7410.N1	19-AUG-2009 06:42:52	Bright	44.000	162	34Alp Aqr	2.9440	5350.0	88	39052	No
78	GOM_TRA_1PNPDE20090819_064600_000000452081_00421_39052_7411.N1	19-AUG-2009 06:46:00	Bright	45.000	61	8Eps Peg	2.1000	3900.0	90	39052	No
79	GOM_TRA_1PNPDE20090819_070906_000000482081_00421_39052_7412.N1	19-AUG-2009 07:09:06	Bright	48.000	110	37Del Cas	2.6780	8900.0	96	39052	No
80	GOM_TRA_1PNPDE20090819_194950_000000602081_00429_39060_7759.N1	19-AUG-2009 19:49:50	Straylight	59.500	84	Alp Phe	2.3970	4500.0	119	39060	Yes
81	GOM_TRA_1PNPDE20090819_195700_000000502081_00429_39060_7760.N1	19-AUG-2009 19:57:00	Tw_i_and_stray	50.000	18	24Alp PsA	1.1660	9700.0	100	39060	No
82	GOM_TRA_1PNPDE20090819_200224_000000422081_00429_39060_7761.N1	19-AUG-2009 20:02:24	Bright	42.000	142	49Del Cap	2.8500	8900.0	84	39060	No
83	GOM_TRA_1PNPDE20090819_200546_000000412081_00429_39060_7762.N1	19-AUG-2009 20:05:46	Bright	41.000	154	22Bet Aqr	2.8990	5700.0	82	39060	No
84	GOM_TRA_1PNPDE20090819_200738_000000462081_00429_39060_7763.N1	19-AUG-2009 20:07:38	Bright	45.500	162	34Alp Aqr	2.9440	5350.0	91	39060	No
85	GOM_TRA_1PNPDE20090819_201046_000000432081_00429_39060_7764.N1	19-AUG-2009 20:10:46	Bright	43.000	61	8Eps Peg	2.1000	3900.0	86	39060	No
86	GOM_TRA_1PNPDE20090819_203011_000000482081_00429_39060_7765.N1	19-AUG-2009 20:30:11	Bright	47.500	74	11Bet Cas	2.2680	6600.0	95	39060	No
87	GOM_TRA_1PNPDE20090819_203347_000000482081_00429_39060_7766.N1	19-AUG-2009 20:33:47	Bright	47.500	110	37Del Cas	2.6780	8900.0	95	39060	No
88	GOM_TRA_1PNPDE20090819_204535_000000552081_00429_39060_7767.N1	19-AUG-2009 20:45:35	Bright	54.500	6	13Alp Aur	0.080000	3400.0	109	39060	No
89	GOM_TRA_1PNPDE20090819_204837_000000462081_00429_39060_7768.N1	19-AUG-2009 20:48:37	Bright	45.500	107	37The Aur	2.6490	11000.	91	39060	No
90	GOM_TRA_1PNPDE20090819_205151_000000532081_00429_39060_7769.N1	19-AUG-2009 20:51:51	Tw_i_and_stray	52.500	28	12Bet Tau	1.6500	15200.	105	39060	No
91	GOM_TRA_1PNPDE20090819_205419_000000512081_00429_39060_7770.N1	19-AUG-2009 20:54:19	Tw_i_and_stray	51.000	176	23Zet Tau	3.0200	22000.	102	39060	No
92	GOM_TRA_1PNPDE20090819_205823_000000622081_00429_39060_7917.N1	19-AUG-2009 20:58:23	Dark	62.000	14	58Alp Ori	0.87000	3000.0	124	39060	Yes
93	GOM_TRA_1PNPDE20090819_205948_000000552081_00429_39060_7918.N1	19-AUG-2009 20:59:48	Dark	55.000	27	24Gam Ori	1.6360	26000.	110	39060	No
94	GOM_TRA_1PNPDE20090819_210145_000000542081_00429_39060_7919.N1	19-AUG-2009 21:01:45	Dark	53.500	30	46Eps Ori	1.6940	30000.	107	39060	No
95	GOM_TRA_1PNPDE20090819_210312_000000462081_00429_39060_7920.N1	19-AUG-2009 21:03:12	Dark	45.500	125	44Iot Ori	2.7700	30000.	91	39060	No
96	GOM_TRA_1PNPDE20090819_210456_000000552081_00429_39060_7921.N1	19-AUG-2009 21:04:56	Dark	55.000	7	19Bet Ori	0.10000	14000.	110	39060	No
97	GOM_TRA_1PNPDE20090819_210640_000000462081_00429_39060_7922.N1	19-AUG-2009 21:06:40	Dark	45.500	101	11Alp Lep	2.5820	7000.0	91	39060	No
98	GOM_TRA_1PNPDE20090819_212057_000000542081_00430_39061_7923.N1	19-AUG-2009 21:20:57	Dark	53.500	157	The1Eri	2.9060	9300.0	107	39061	No
99	GOM_TRA_1PNPDE20090819_213027_000000502081_00430_39061_7924.N1	19-AUG-2009 21:30:27	Straylight	49.500	84	Alp Phe	2.3970	4500.0	99	39061	No
100	GOM_TRA_1PNPDE20090819_213736_000000522081_00430_39061_7925.N1	19-AUG-2009 21:37:36	Tw_i_and_stray	51.500	18	24Alp PsA	1.1660	9700.0	103	39061	No
101	GOM_TRA_1PNPDE20090819_214300_000000412081_00430_39061_7926.N1	19-AUG-2009 21:43:00	Bright	41.000	142	49Del Cap	2.8500	8900.0	82	39061	No
102	GOM_TRA_1PNPDE20090819_214622_000000402081_00430_39061_7927.N1	19-AUG-2009 21:46:22	Bright	40.000	154	22Bet Aqr	2.8990	5700.0	80	39061	No
103	GOM_TRA_1PNPDE20090819_214814_000000452081_00430_39061_7928.N1	19-AUG-2009 21:48:14	Bright	45.000	162	34Alp Aqr	2.9440	5350.0	90	39061	No
104	GOM_TRA_1PNPDE20090819_215121_000000432081_00430_39061_7929.N1	19-AUG-2009 21:51:21	Bright	42.500	61	8Eps Peg	2.1000	3900.0	85	39061	No
105	GOM_TRA_1PNPDE20090819_221047_000000442081_00430_39061_7930.N1	19-AUG-2009 22:10:47	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	39061	No
106	GOM_TRA_1PNPDE20090819_221422_000000472081_00430_39061_7931.N1	19-AUG-2009 22:14:22	Bright	47.000	110	37Del Cas	2.6780	8900.0	94	39061	No
107	GOM_TRA_1PNPDE20090819_222610_000000532081_00430_39061_7932.N1	19-AUG-2009 22:26:10	Bright	52.500	6	13Alp Aur	0.080000	3400.0	105	39061	No
108	GOM_TRA_1PNPDE20090819_222913_000000422081_00430_39061_7933.N1	19-AUG-2009 22:29:13	Bright	41.500	107	37The Aur	2.6490	11000.	83	39061	No
109	GOM_TRA_1PNPDE20090819_223227_000000582081_00430_39061_7934.N1	19-AUG-2009 22:32:27	Tw_i_and_stray	58.000	28	12Bet Tau	1.6500	15200.	116	39061	No
110	GOM_TRA_1PNPDE20090819_223455_000000492081_00430_39061_7935.N1	19-AUG-2009 22:34:55	Tw_i_and_stray	49.000	176	23Zet Tau	3.0200	22000.	98	39061	No
111	GOM_TRA_1PNPDE20090819_223900_000000602081_00430_39061_7936.N1	19-AUG-2009 22:39:00	Dark	59.500	14	58Alp Ori	0.87000	3000.0	119	39061	No
112	GOM_TRA_1PNPDE20090819_224024_000000562081_00430_39061_7937.N1	19-AUG-2009 22:40:24	Dark	55.500	27	24Gam Ori	1.6360	26000.	111	39061	No
113	GOM_TRA_1PNPDE20090819_224222_000000542081_00430_39061_7938.N1	19-AUG-2009 22:42:22	Dark	53.500	30	46Eps Ori	1.6940	30000.	107	39061	No
114	GOM_TRA_1PNPDE20090819_224349_000000502081_00430_39061_7939.N1	19-AUG-2009 22:43:49	Dark	49.500	125	44Iot Ori	2.7700	30000.	99	39061	No
115	GOM_TRA_1PNPDE20090819_224532_000000612081_00430_39061_8075.N1	19-AUG-2009 22:45:32	Dark	61.000	7	19Bet Ori	0.10000	14000.	122	39061	No
116	GOM_TRA_1PNPDE20090819_224717_000000492081_00430_39061_8076.N1	19-AUG-2009 22:47:17	Dark	48.500	101	11Alp Lep	2.5820	7000.0	97	39061	No
117	GOM_TRA_1PNPDE20090819_230134_000000502081_00431_39062_8077.N1	19-AUG-2009 23:01:34	Dark	50.000	157	The1Eri	2.9060	9300.0	100	39062	No
118	GOM_TRA_1PNPDE20090819_231103_000000592081_00431_39062_8078.N1	19-AUG-2009 23:11:03	Straylight	59.000	84	Alp Phe	2.3970	4500.0	118	39062	No
119	GOM_TRA_1PNPDE20090819_231812_000000512081_00431_39062_8079.N1	19-AUG-2009 23:18:12	Tw_i_and_stray	50.500	18	24Alp PsA	1.1660	9700.0	101	39062	No
120	GOM_TRA_1PNPDE20090819_232336_000000432081_00431_39062_8080.N1	19-AUG-2009 23:23:36	Bright	42.500	142	49Del Cap	2.8500	8900.0	85	39062	No
121	GOM_TRA_1PNPDE20090819_232658_000000542081_00431_39062_8081.N1	19-AUG-2009 23:26:58	Bright	53.500	154	22Bet Aqr	2.8990	5700.0	107	39062	No
122	GOM_TRA_1PNPDE20090819_232850_000000472081_00431_39062_8082.N1	19-AUG-2009 23:28:50	Bright	46.500	162	34Alp Aqr	2.9440	5350.0	93	39062	No
123	GOM_TRA_1PNPDE20090819_233157_000000422081_00431_39062_8083.N1	19-AUG-2009 23:31:57	Bright	42.000	61	8Eps Peg	2.1000	3900.0	84	39062	No
124	GOM_TRA_1PNPDE20090819_235121_000000482081_00431_39062_8084.N1	19-AUG-2009 23:51:21	Bright	47.500	74	11Bet Cas	2.2680	6600.0	95	39062	No
125	GOM_TRA_1PNPDE20090819_235336_000000462081_00431_39062_8085.N1	19-AUG-2009 23:53:36	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	39062	No

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



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

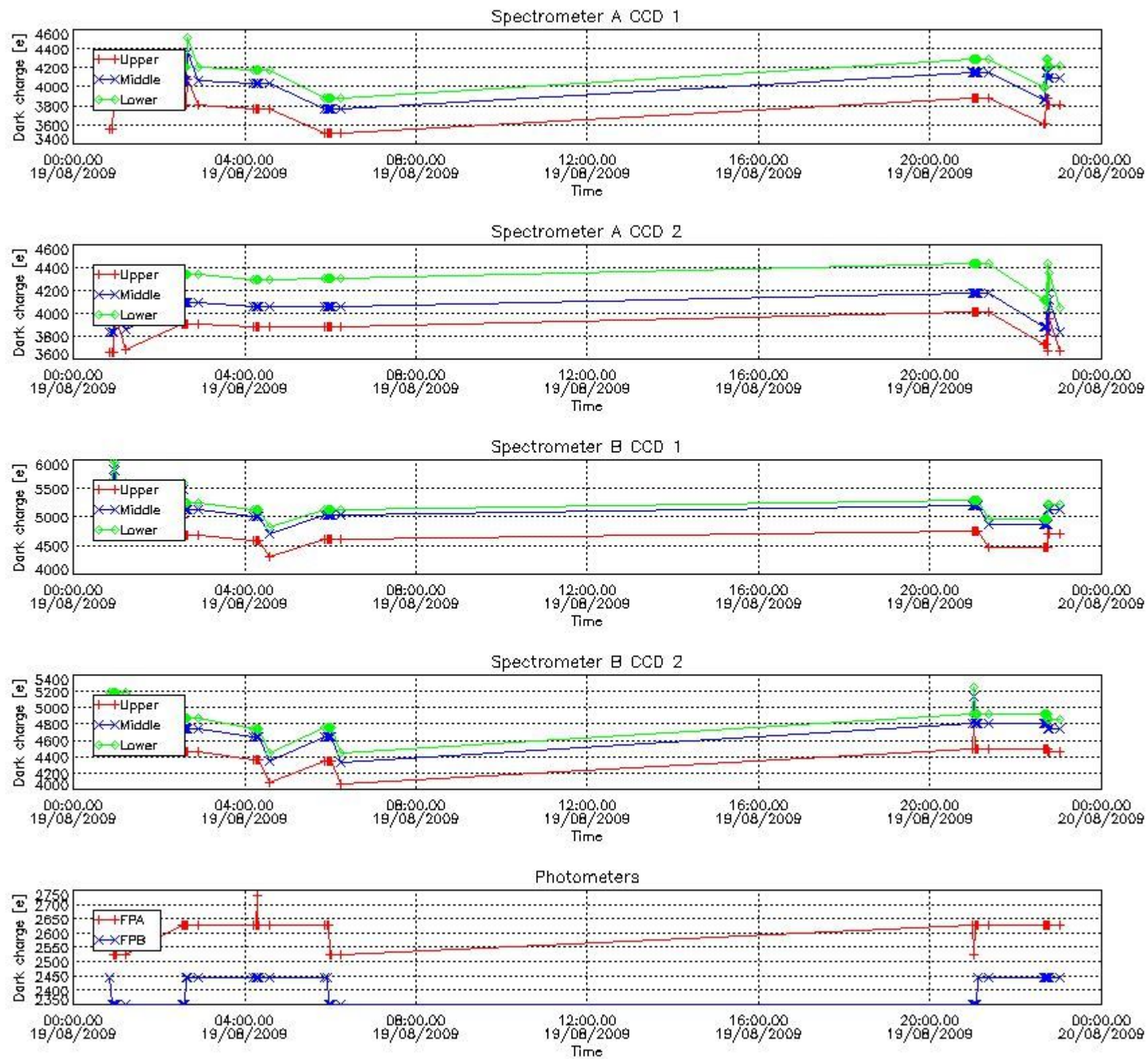
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20090819_194950_000000602081_00429_39060_7759.N1	DC map with no T dep.
GOM_TRA_1PNPDE20090819_195700_000000502081_00429_39060_7760.N1	DC map used
GOM_TRA_1PNPDE20090819_200224_000000422081_00429_39060_7761.N1	DC map used
GOM_TRA_1PNPDE20090819_200546_000000412081_00429_39060_7762.N1	DC map used
GOM_TRA_1PNPDE20090819_200738_000000462081_00429_39060_7763.N1	DC map used
GOM_TRA_1PNPDE20090819_201046_000000432081_00429_39060_7764.N1	DC map used
GOM_TRA_1PNPDE20090819_203011_000000482081_00429_39060_7765.N1	DC map used
GOM_TRA_1PNPDE20090819_203347_000000482081_00429_39060_7766.N1	DC map used
GOM_TRA_1PNPDE20090819_204535_000000552081_00429_39060_7767.N1	DC map used
GOM_TRA_1PNPDE20090819_204837_000000462081_00429_39060_7768.N1	DC map used
GOM_TRA_1PNPDE20090819_205151_000000532081_00429_39060_7769.N1	DC map used
GOM_TRA_1PNPDE20090819_205419_000000512081_00429_39060_7770.N1	DC map used

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



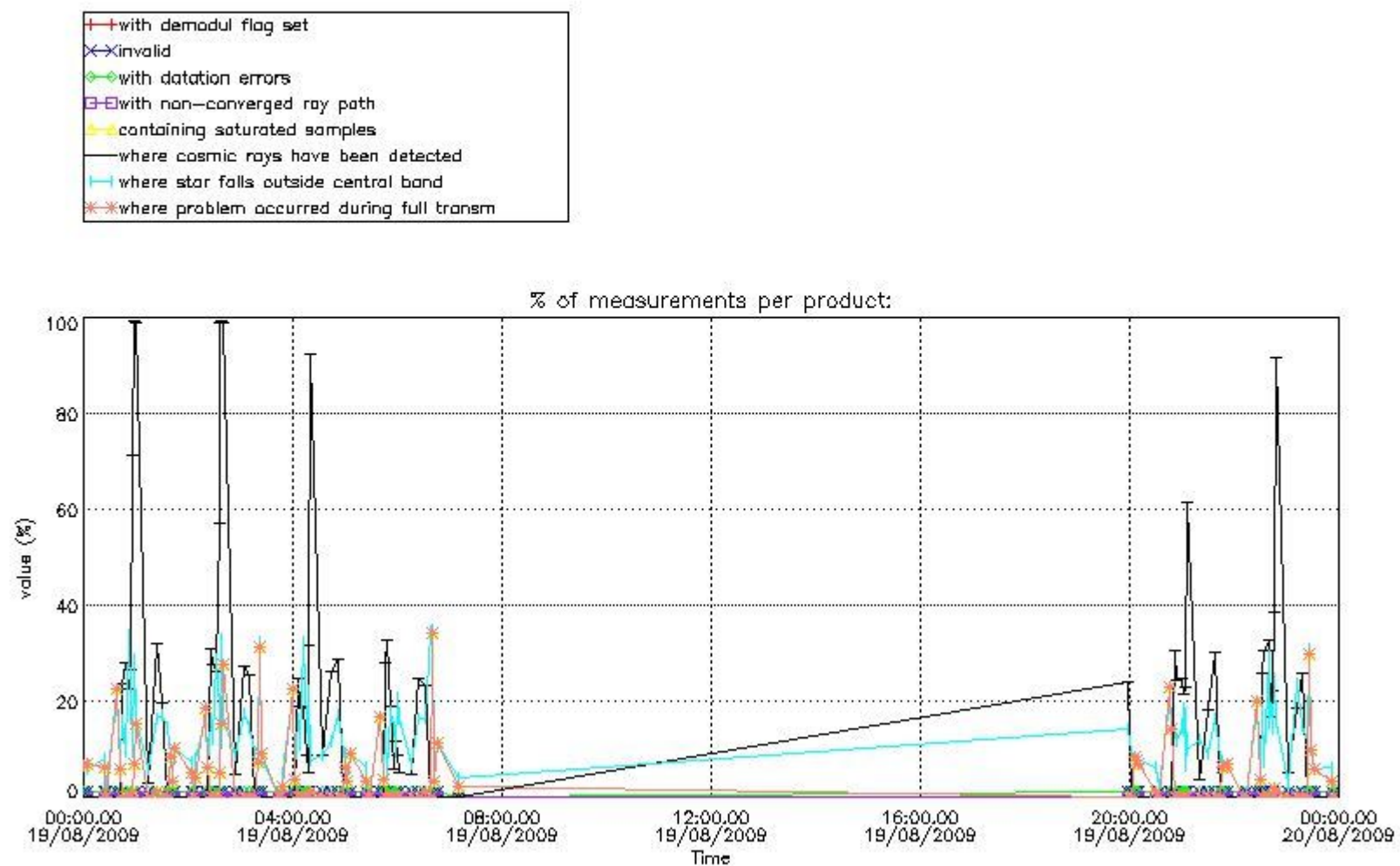
5. Demodulation flag and quality information monitoring

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.

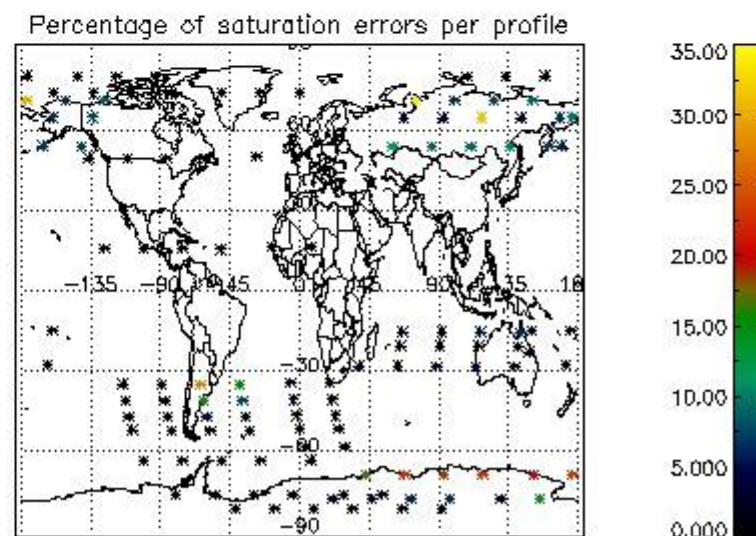
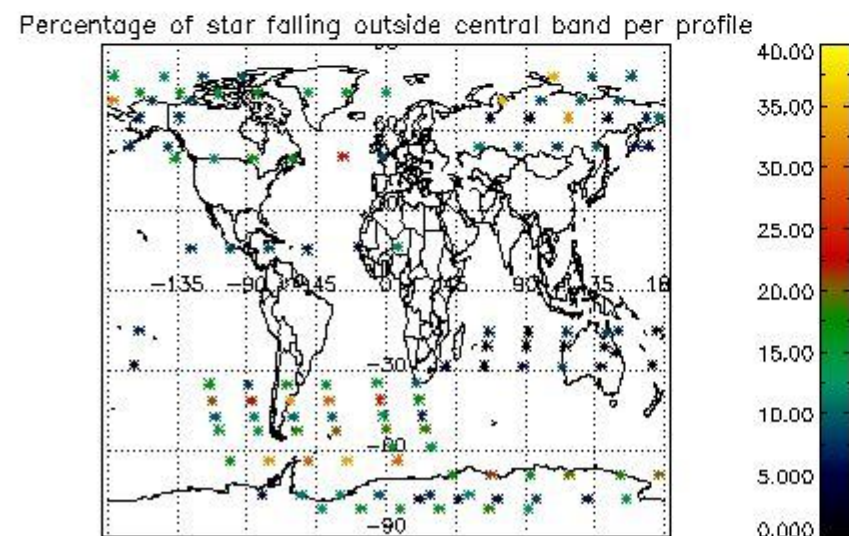
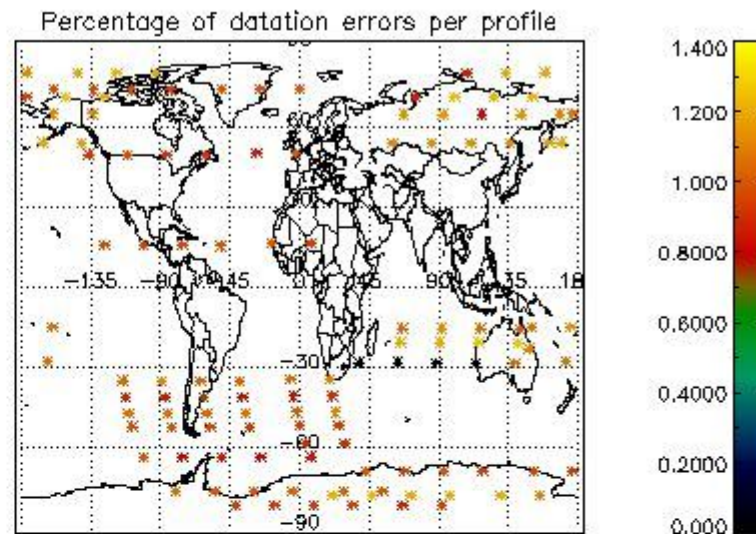
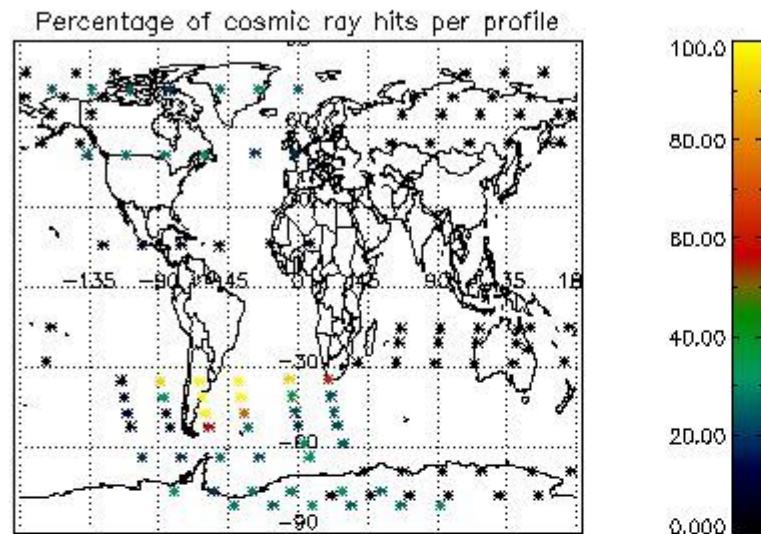
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	34.1463 %
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)

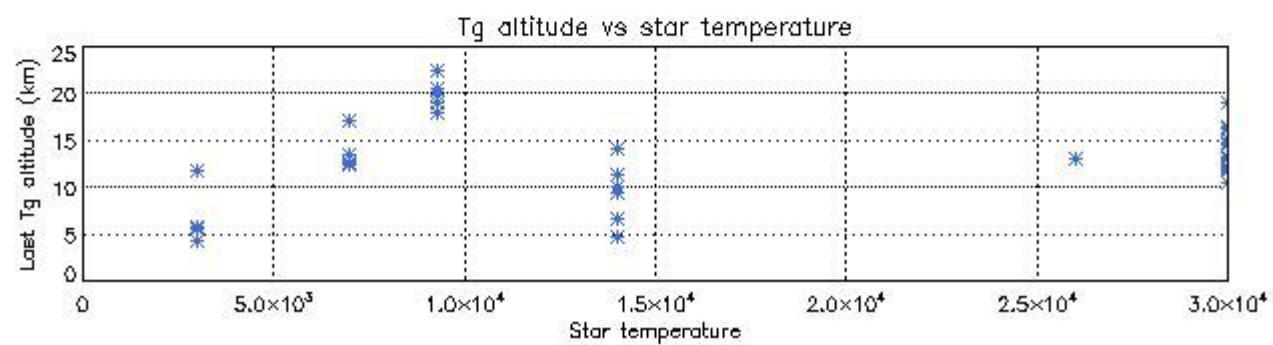
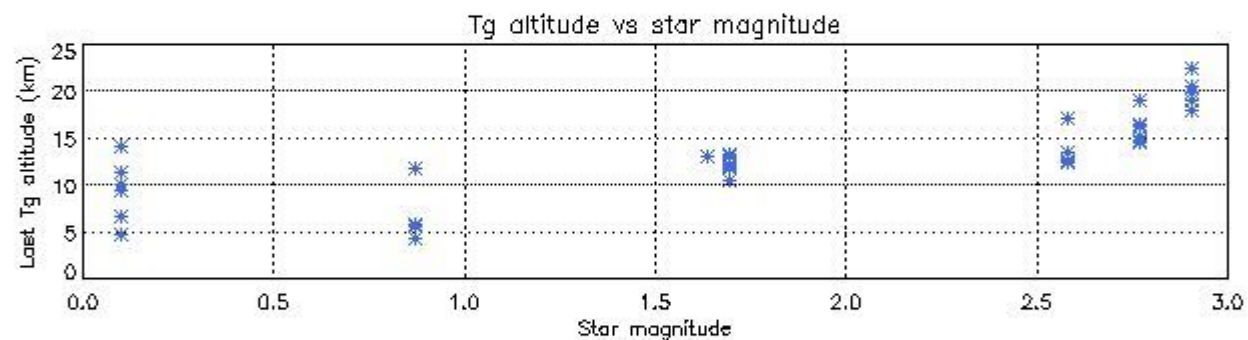
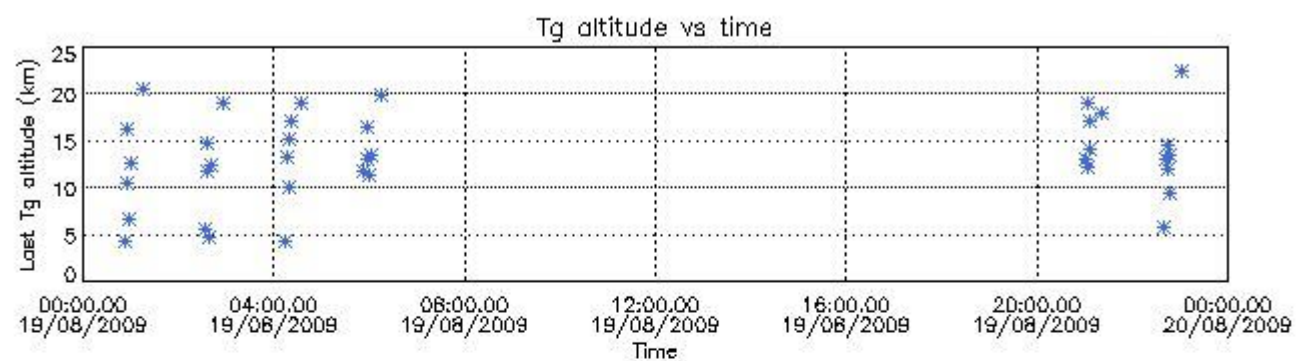
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.184	19.644	NaN
St. deviation:	4.7072	7.6320	NaN
Maximum:	22.442	43.477	NaN
Minimum:	4.3119	4.0523	NaN
Number of data:	37.000	61.000	NaN

### 6.2 Plot for DARK limb products

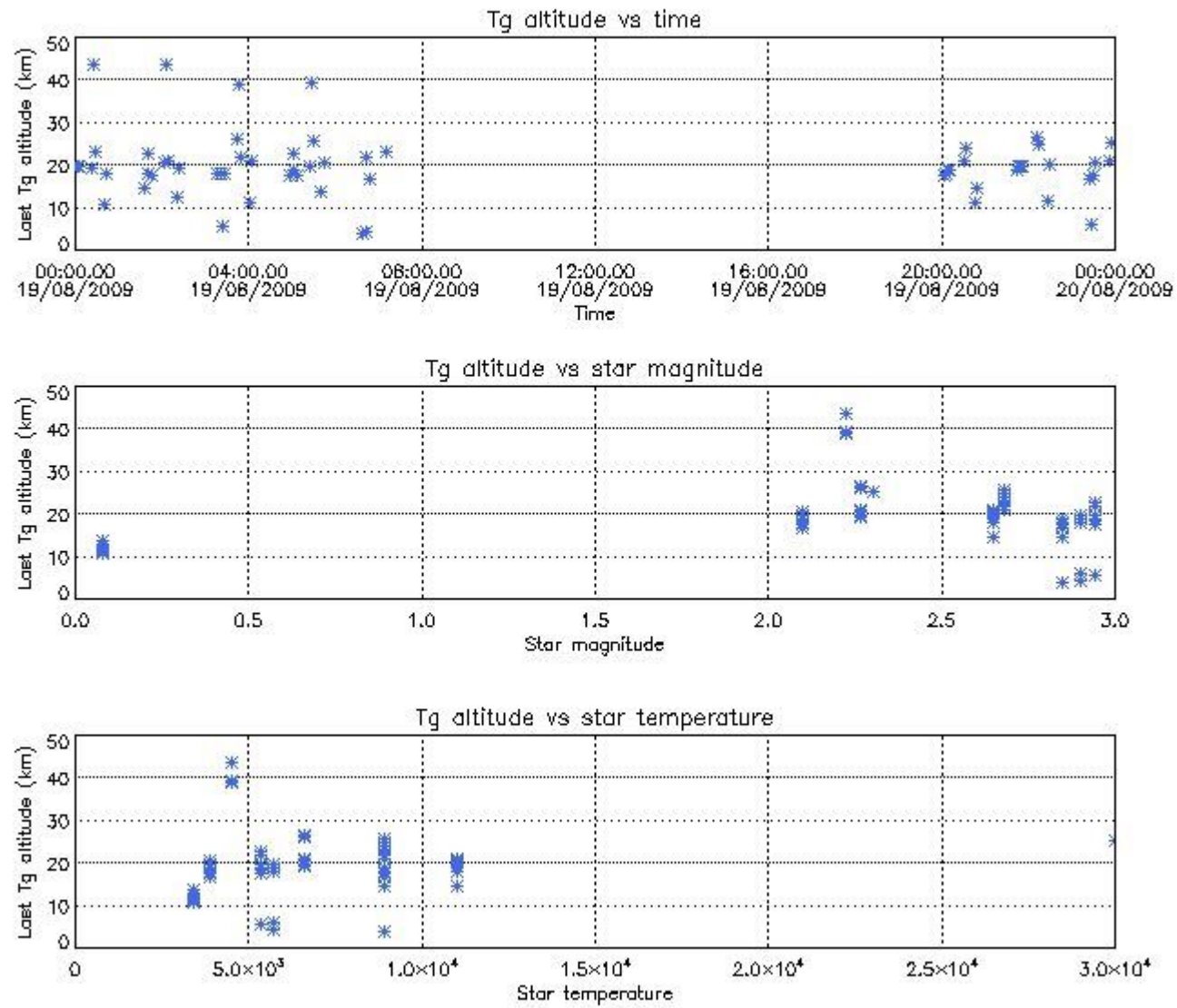


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

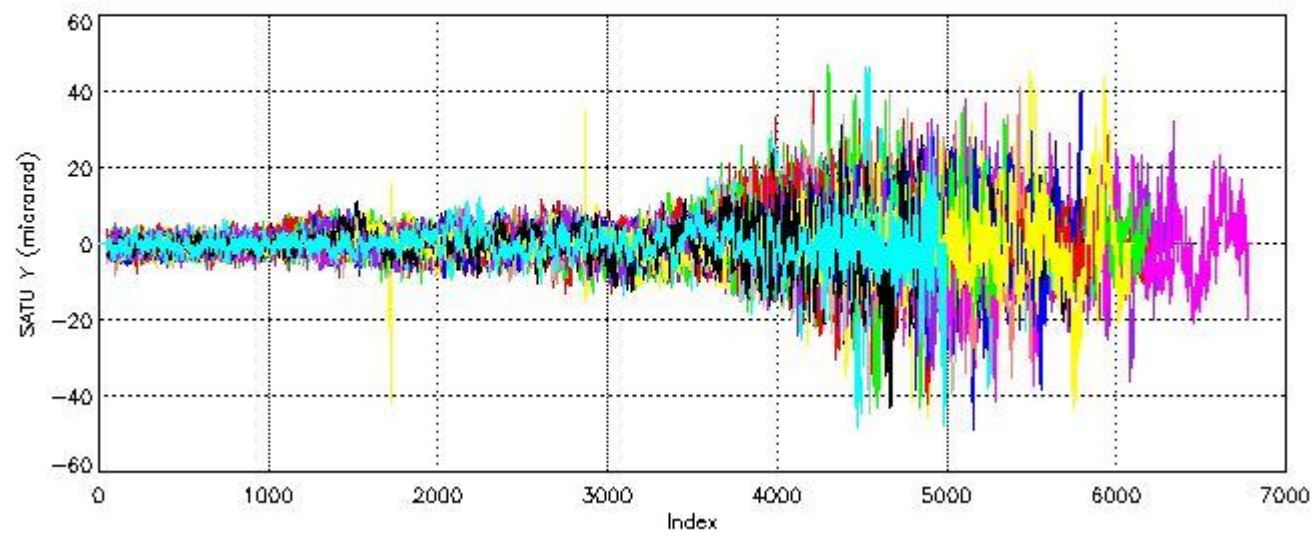
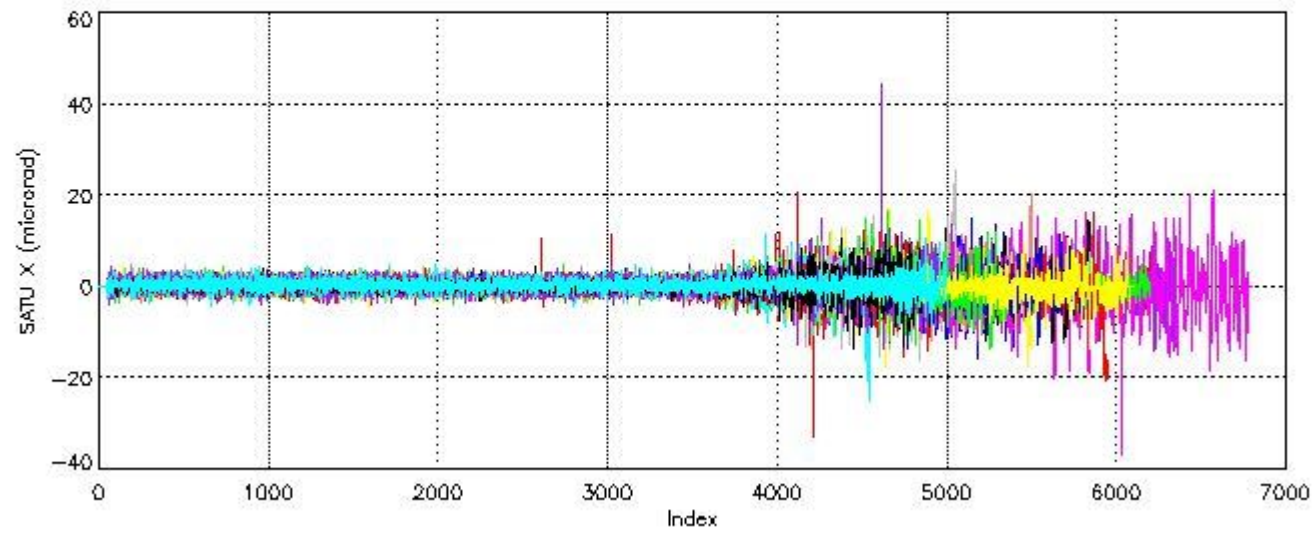


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.21333	-0.44761	0.29886	-0.47797
St. deviation:	0.62246	1.3653	0.76797	1.5826
Maximum:	4.8000	6.2000	4.8000	8.6000
Minimum:	-4.4000	-8.3000	-4.1000	-8.0000

Number of data:	41200.	41200.	63450.	63450.
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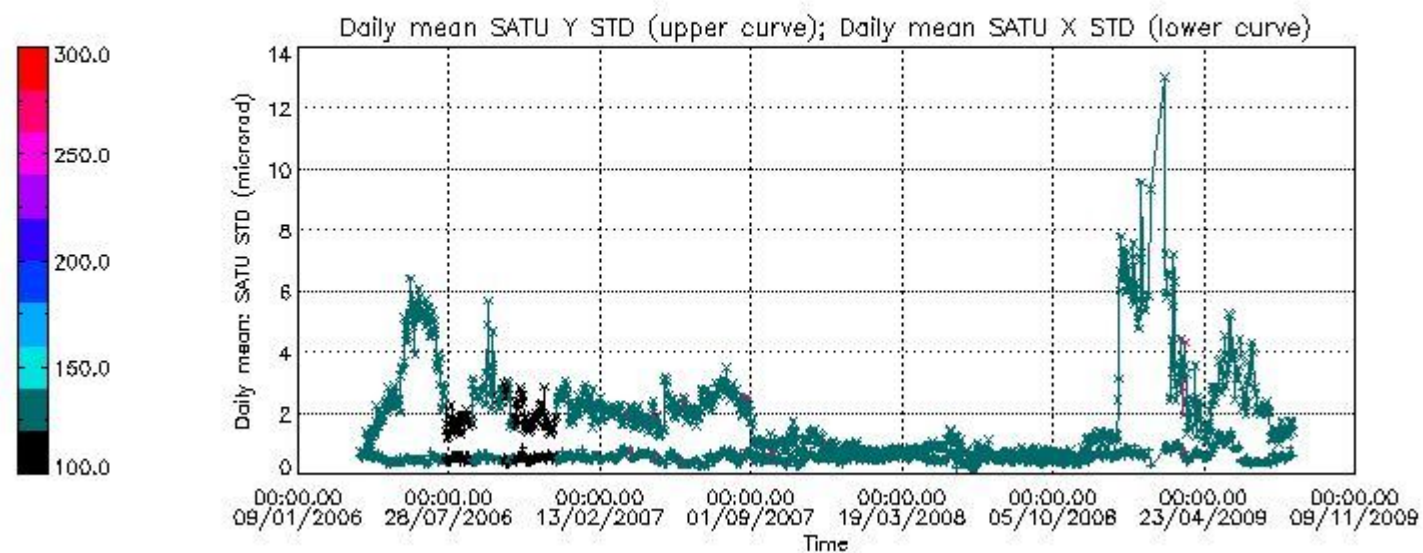
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

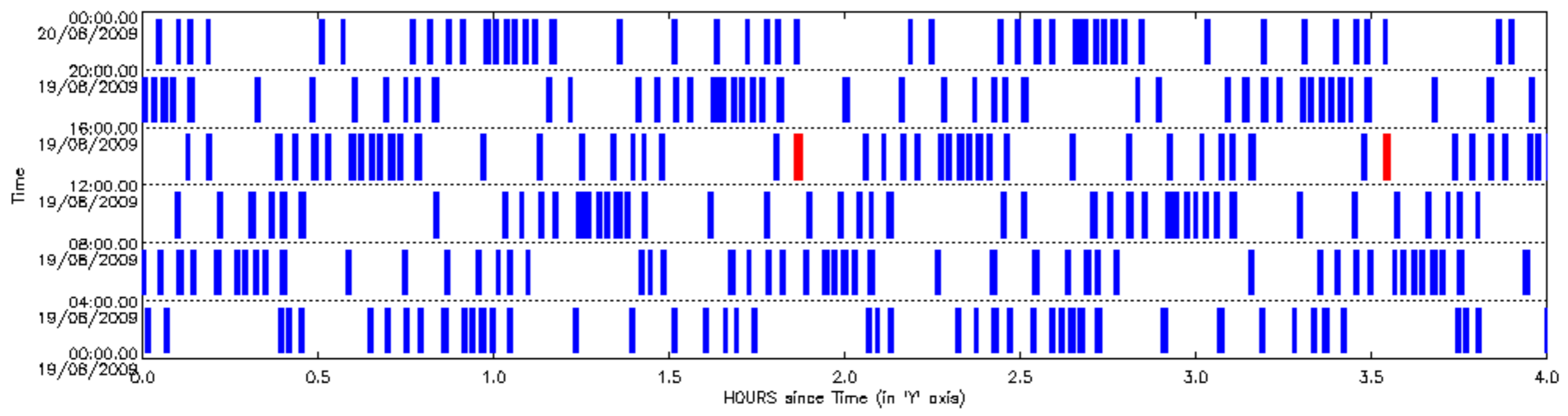
Lower curve: STD of SATU X axis

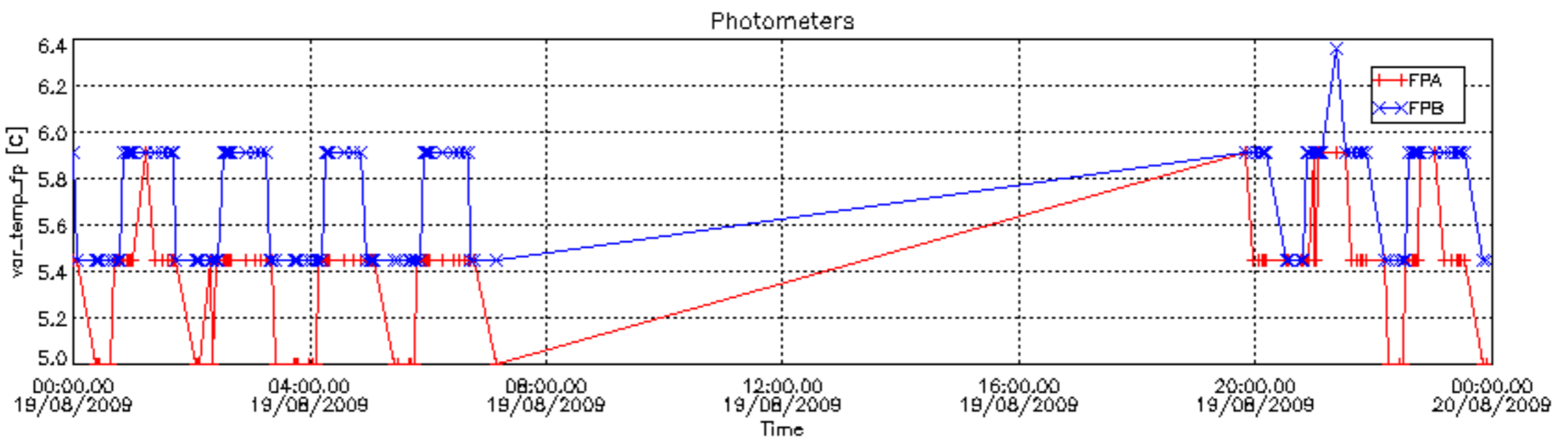
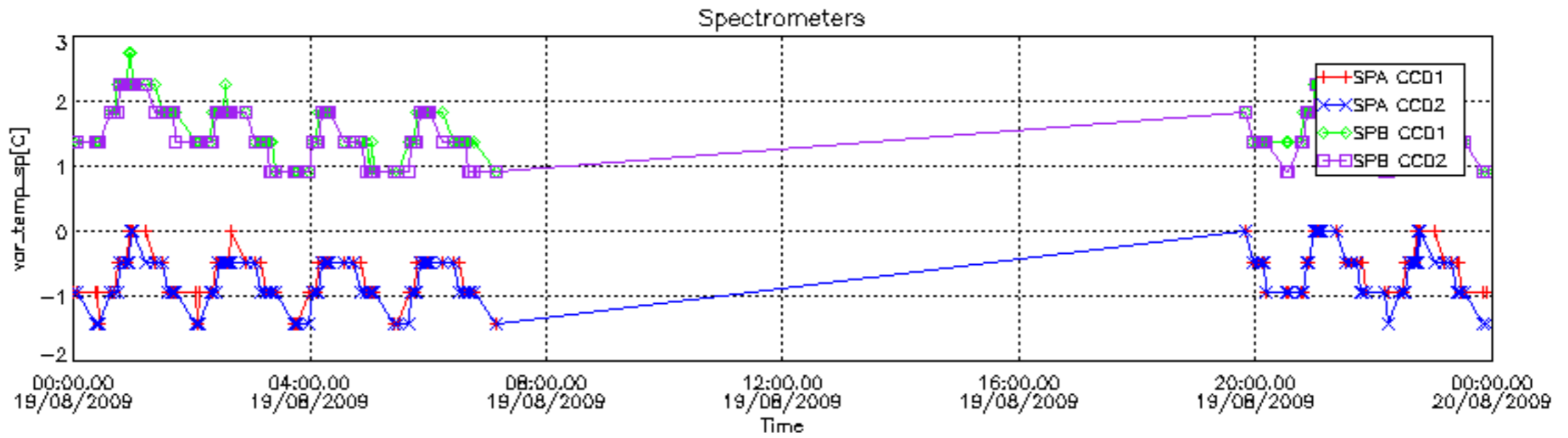


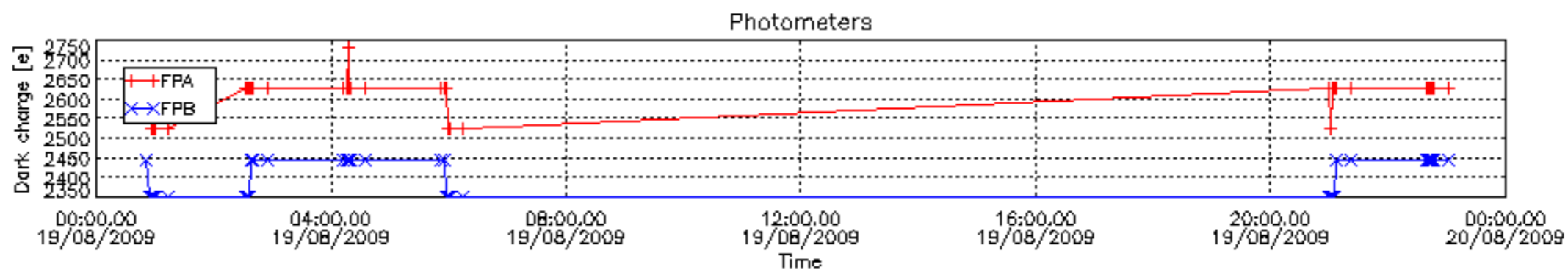
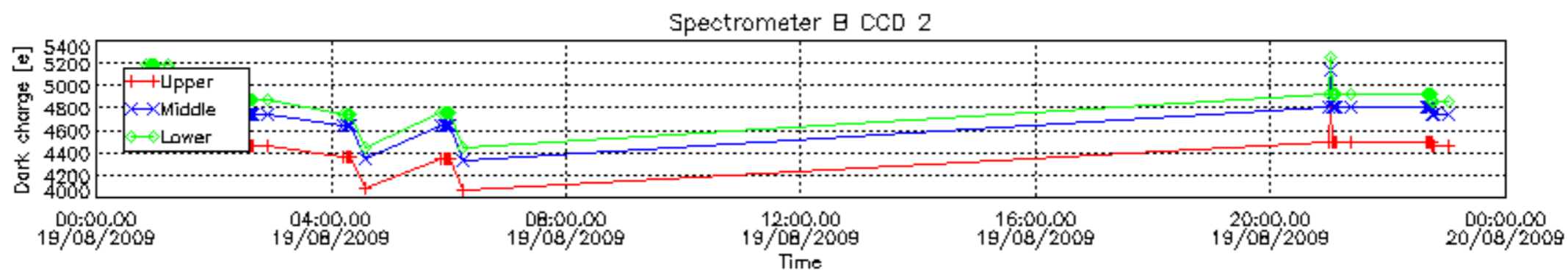
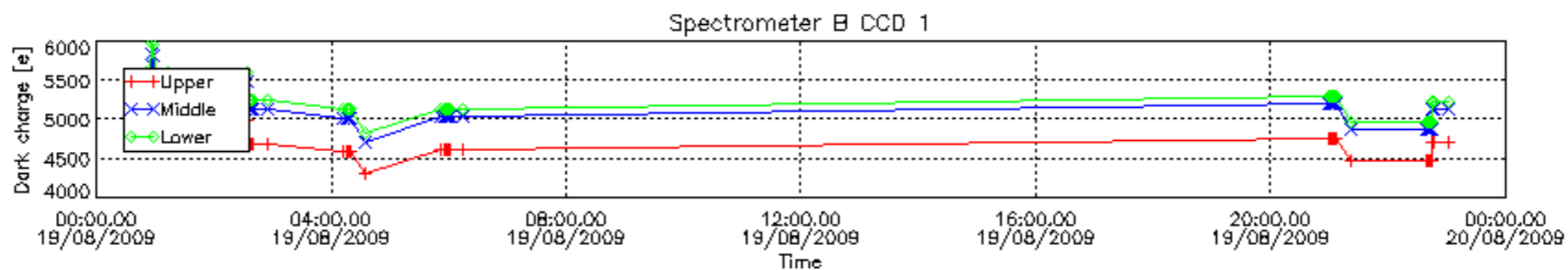
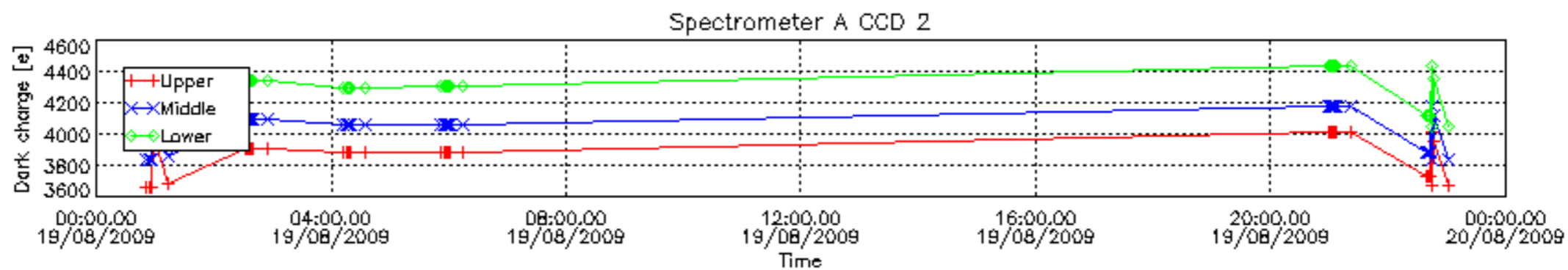
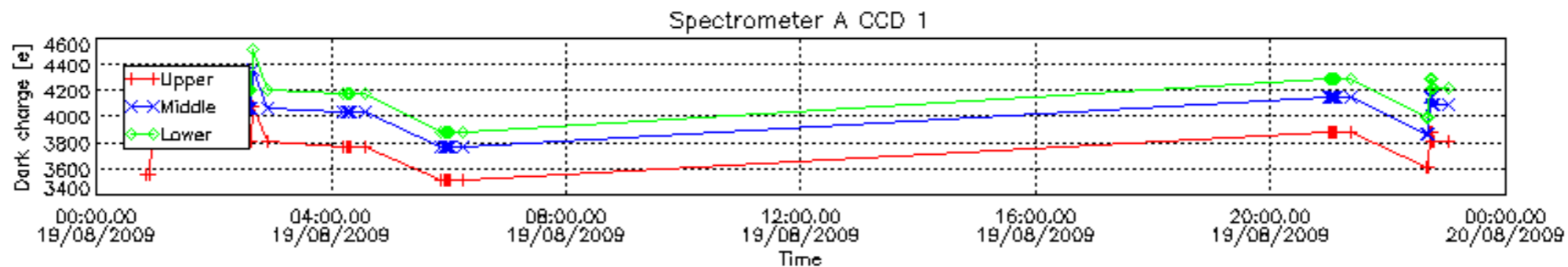
### 8. Auxiliary Data Files used for the production reported in section 2.4

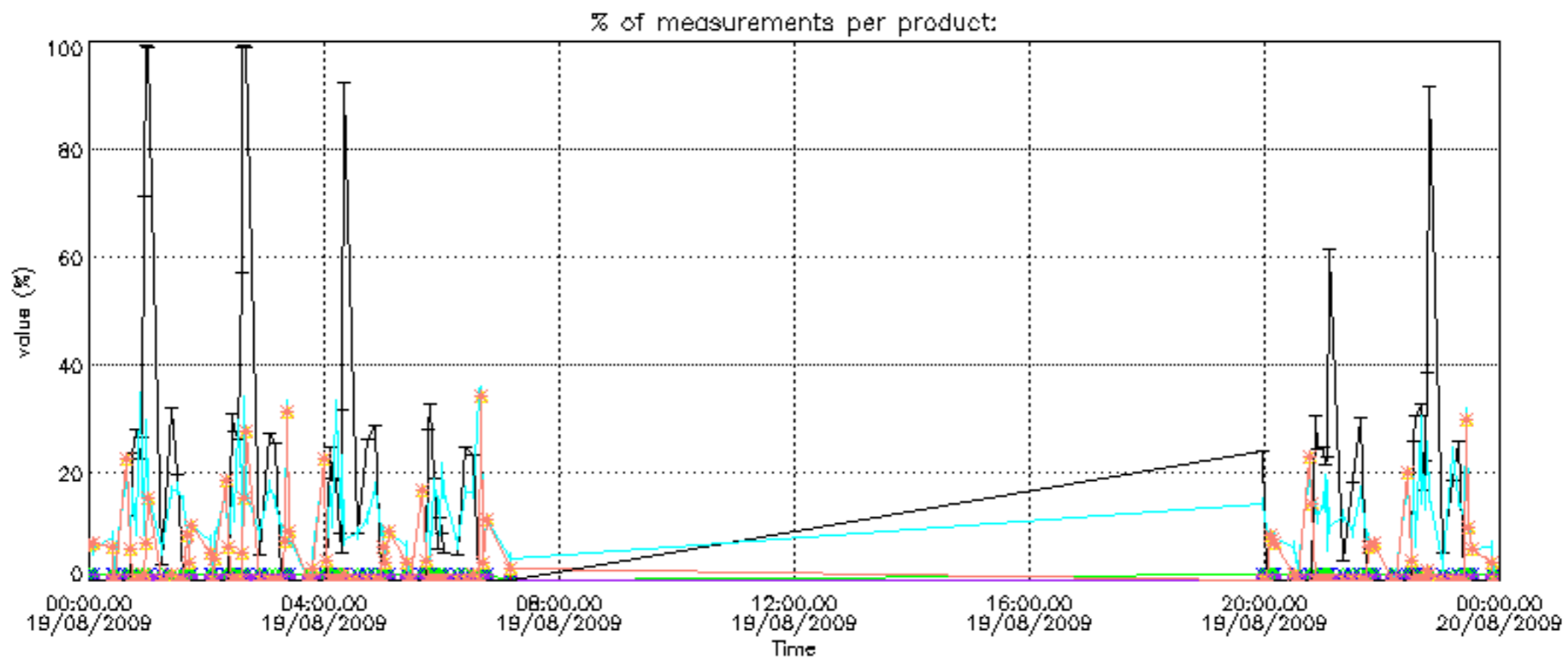
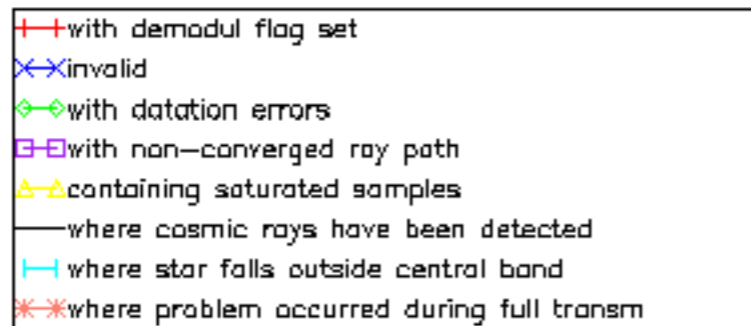
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	19-AUG-2009 00:00:29
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090818_144743_20090816_000000_20100101_000000	1	19-AUG-2009 00:00:29
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	19-AUG-2009 00:00:29
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	19-AUG-2009 00:00:29
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	19-AUG-2009 00:00:29
ECMWF_FILE	AUX_ECF_AXNECM20090818_064112_20090818_210000_20090819_090000	1	19-AUG-2009 00:00:29
ECMWF_FILE	AUX_ECF_AXNECM20090818_184113_20090819_030000_20090819_150000	44	19-AUG-2009 03:59:36
ECMWF_FILE	AUX_ECF_AXNECM20090819_064111_20090819_150000_20090820_030000	80	19-AUG-2009 19:49:50
OPTIONAL_ECMWF_FILE	MISSING	1	19-AUG-2009 00:00:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090818_212958_000060572081_00415_39046_8583.N1	1	19-AUG-2009 00:00:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090818_231614_000057382081_00416_39047_8584.N1	13	19-AUG-2009 00:57:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090819_005711_000044632081_00417_39048_8585.N1	25	19-AUG-2009 02:19:01
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090819_021653_000051012081_00418_39049_8586.N1	44	19-AUG-2009 03:59:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090819_034712_000057382081_00419_39050_8587.N1	63	19-AUG-2009 05:40:12
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20090819_010111_20090818_182648_20090828_213337	80	19-AUG-2009 19:49:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090819_194853_000038252081_00429_39060_8589.N1	92	19-AUG-2009 20:58:23
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090819_205757_000060572081_00429_39060_8590.N1	115	19-AUG-2009 22:45:32



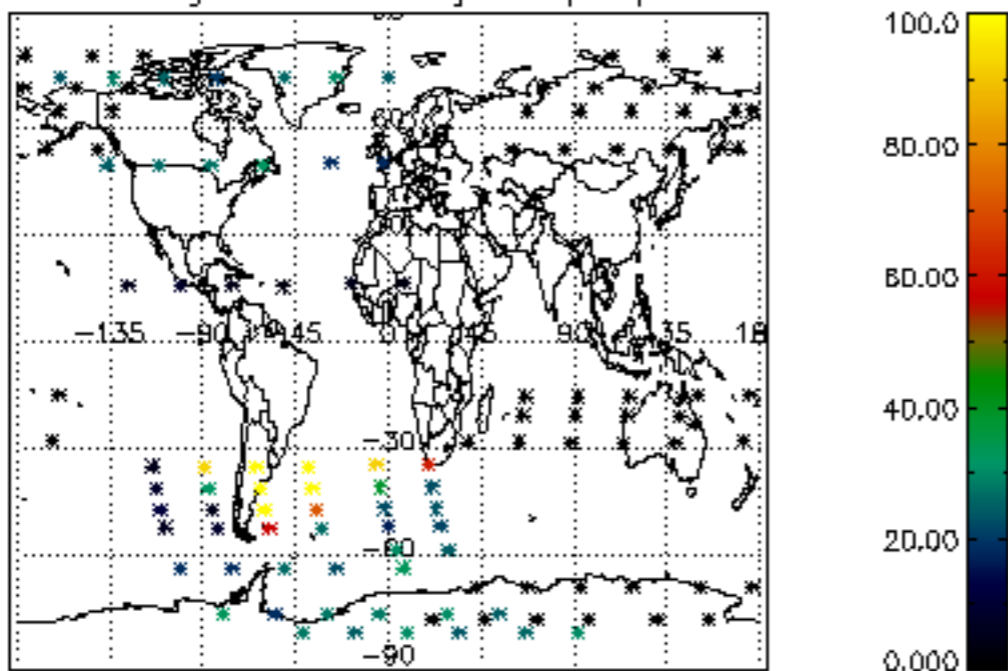




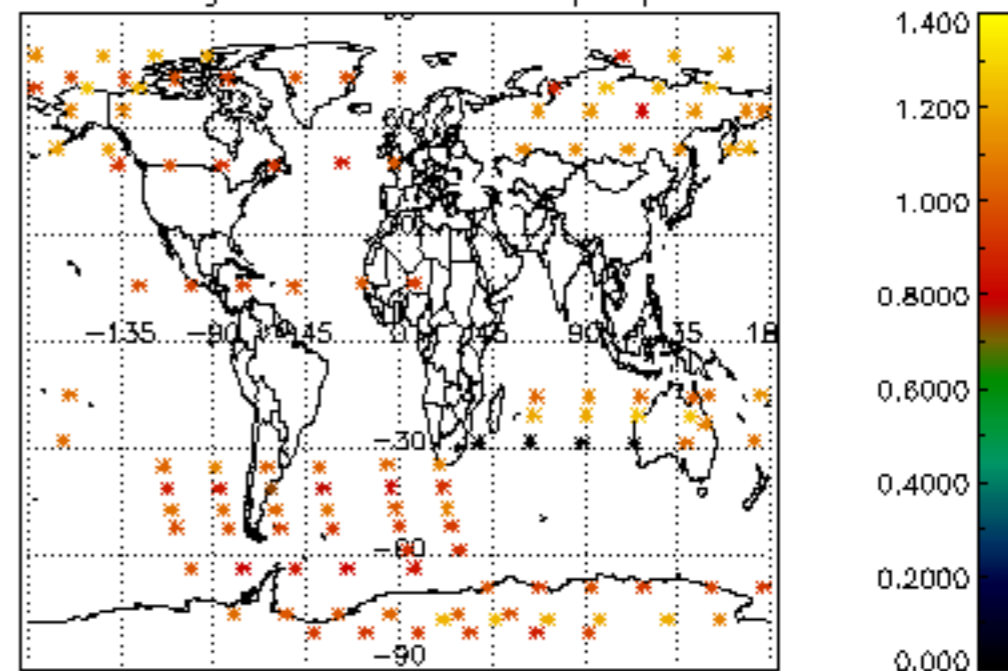




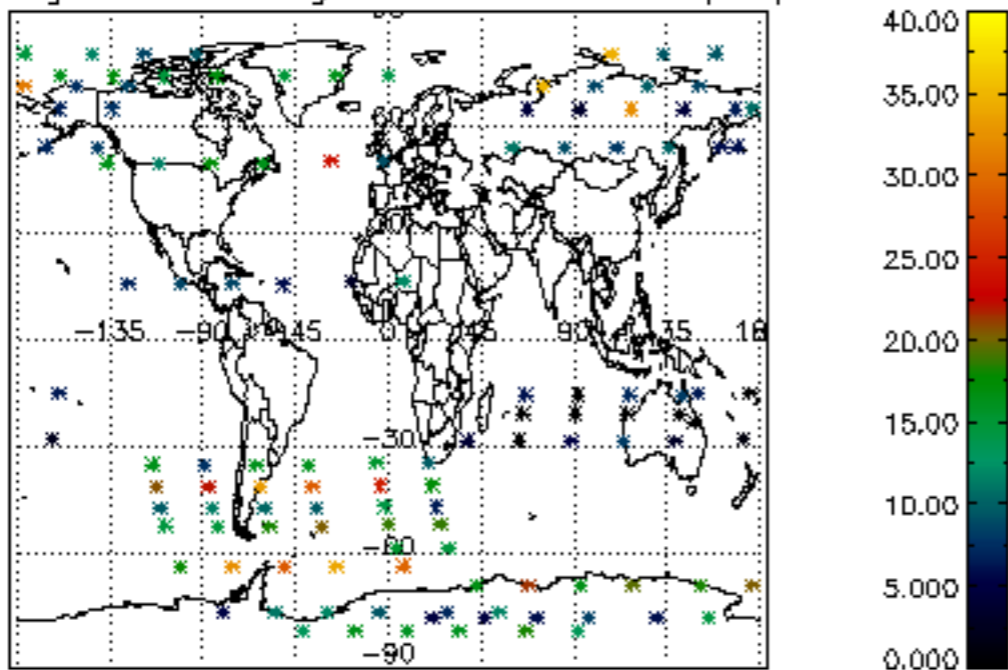
Percentage of cosmic ray hits per profile



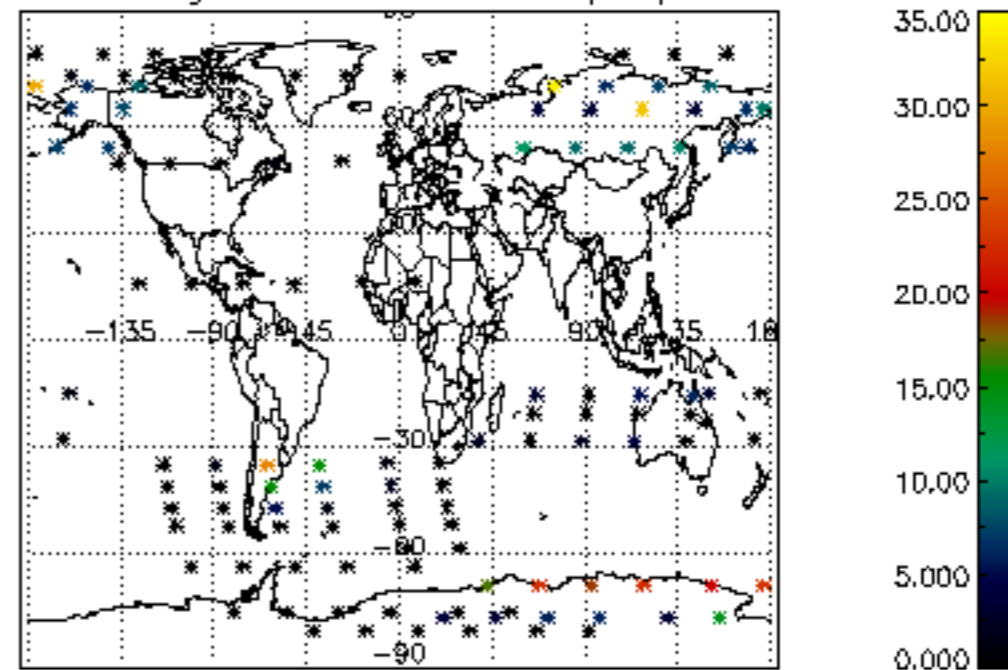
Percentage of datation errors per profile



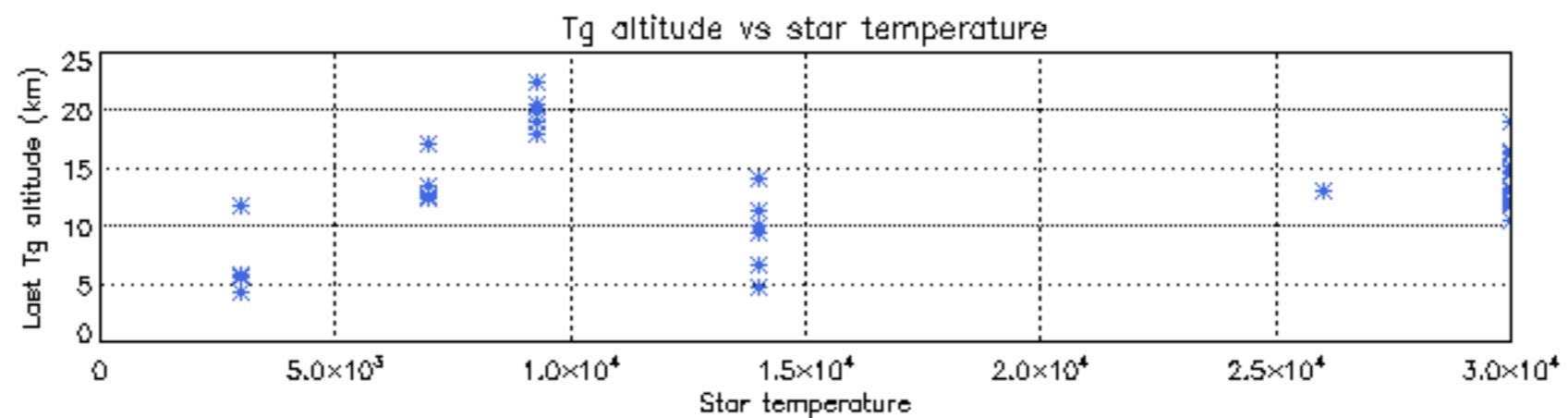
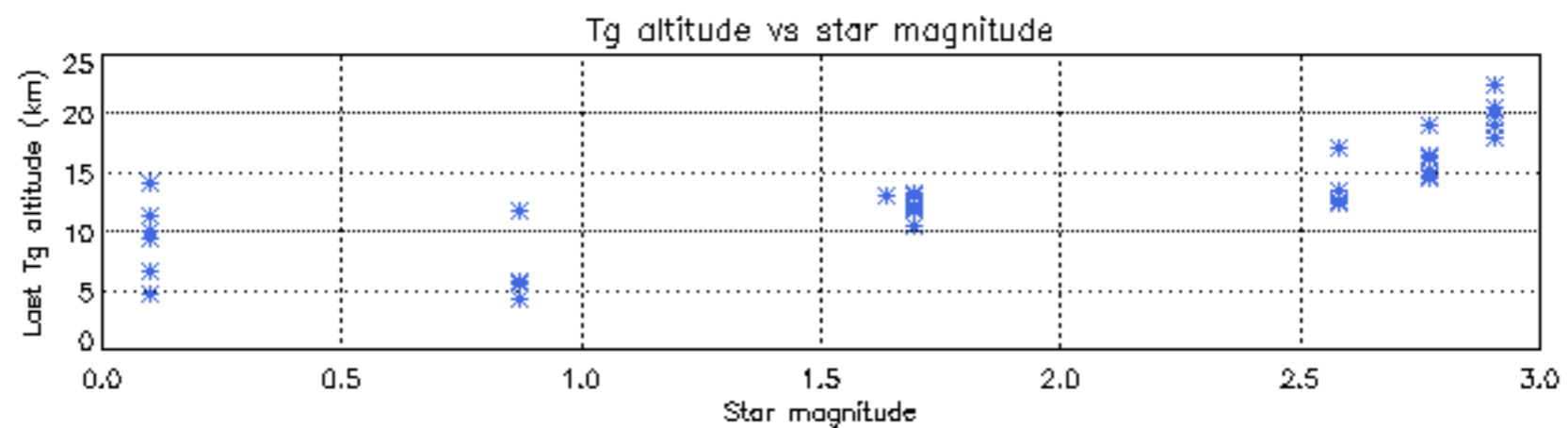
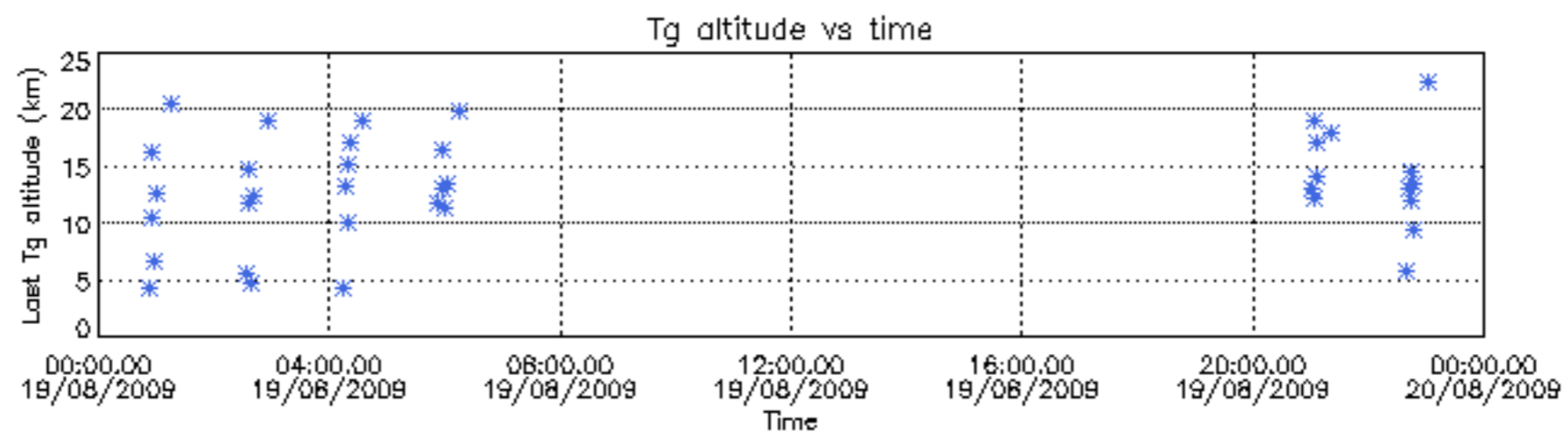
Percentage of star falling outside central band per profile



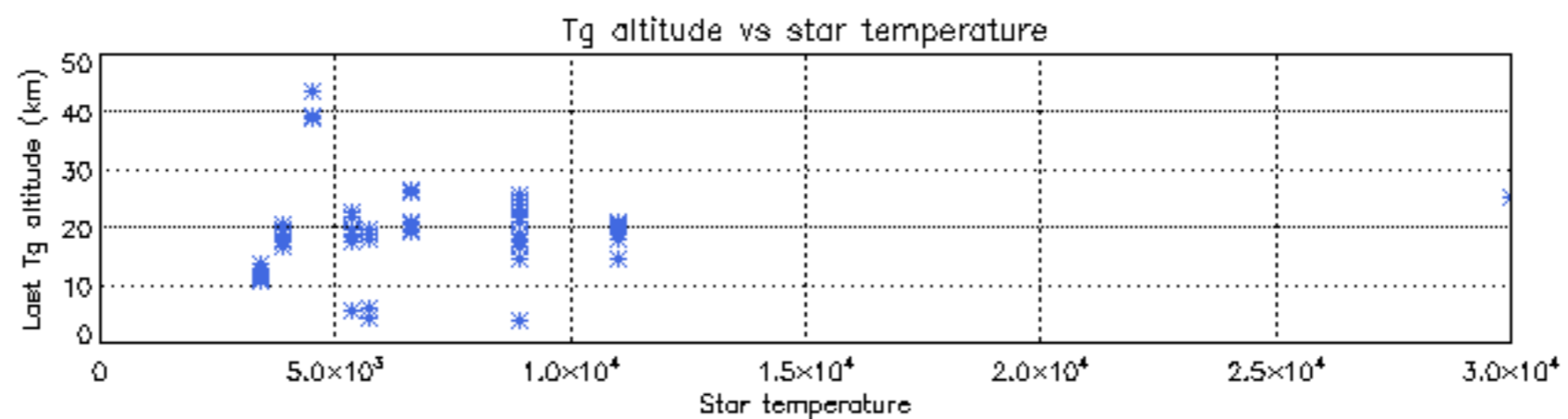
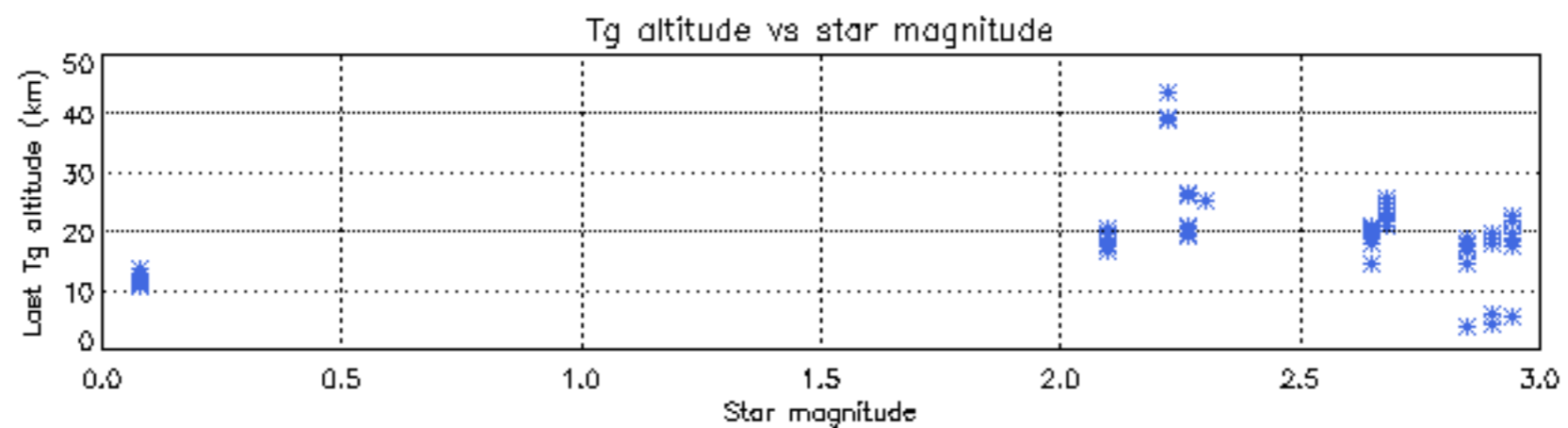
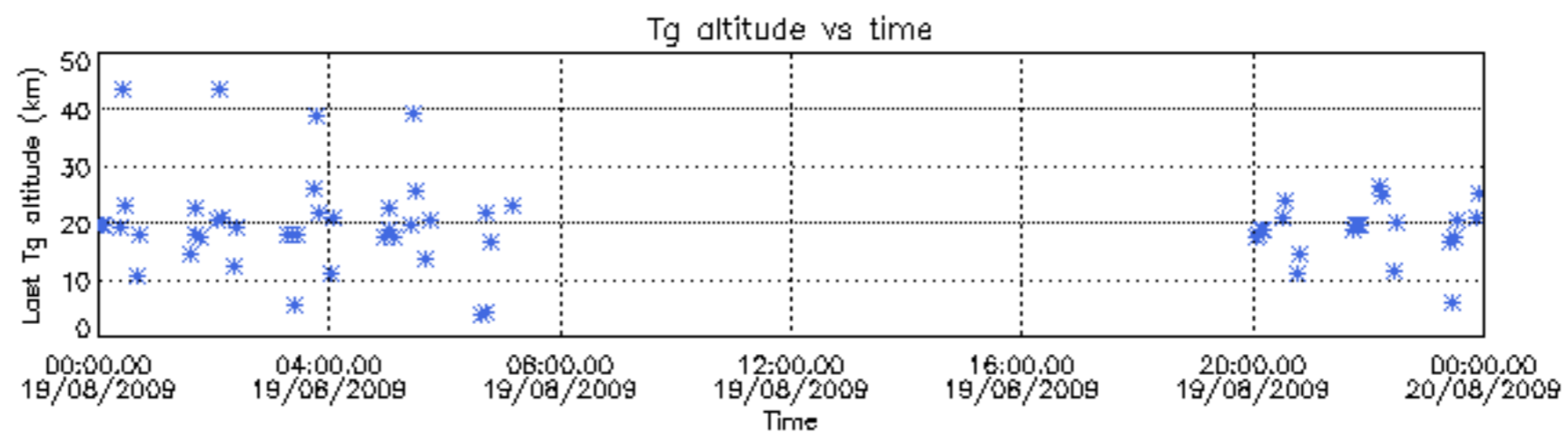
Percentage of saturation errors per profile

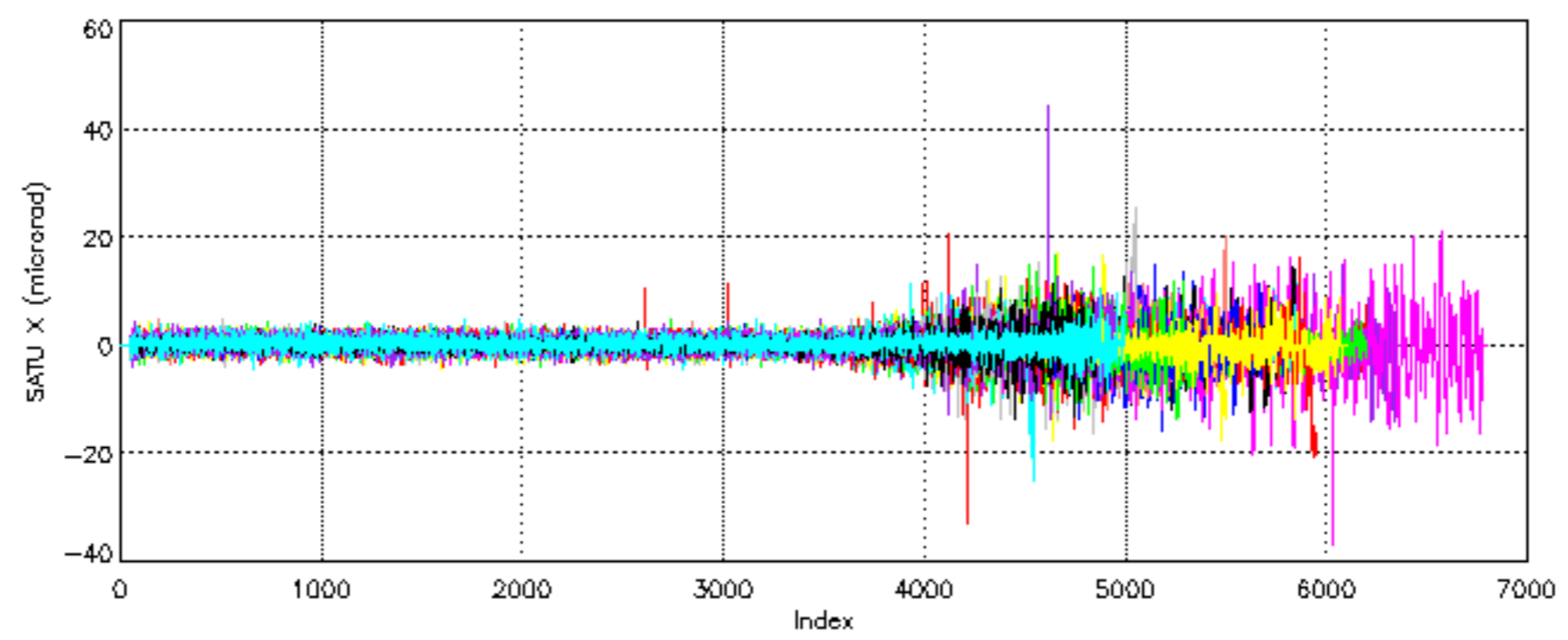


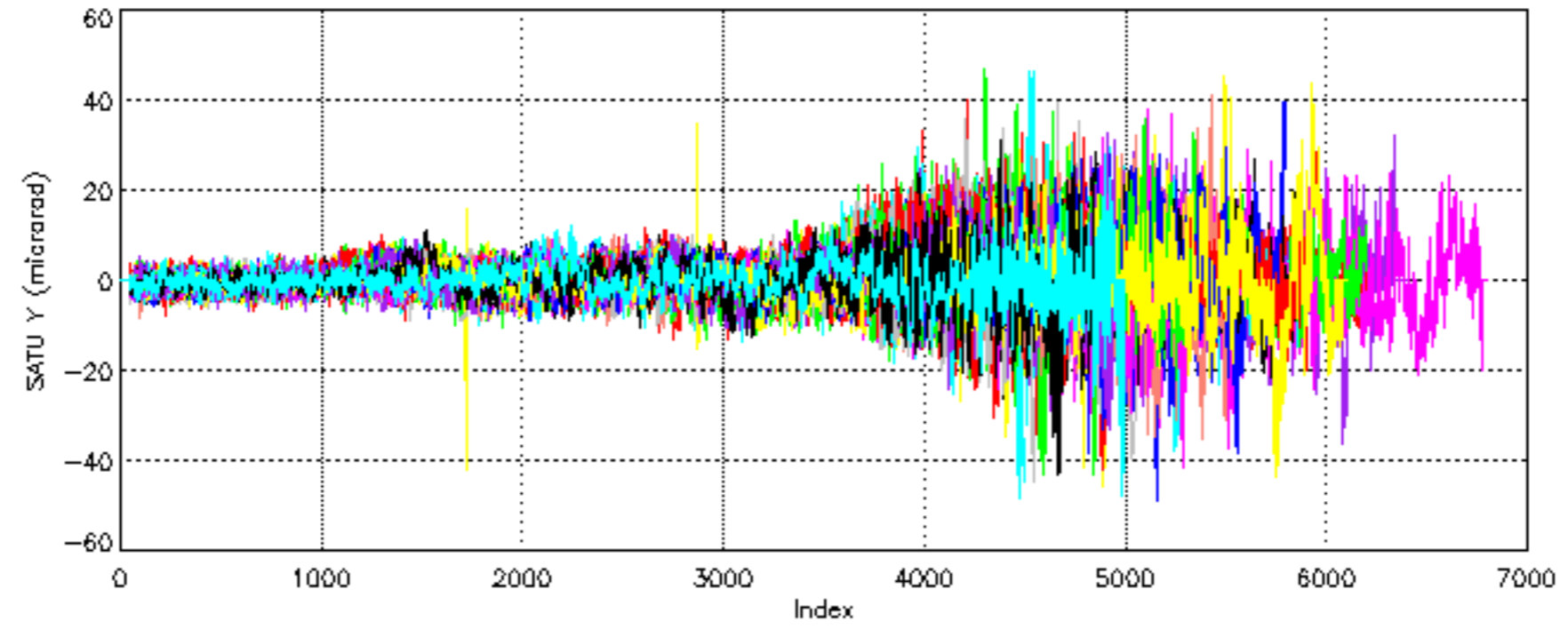
Tangent altitude at which the star is lost

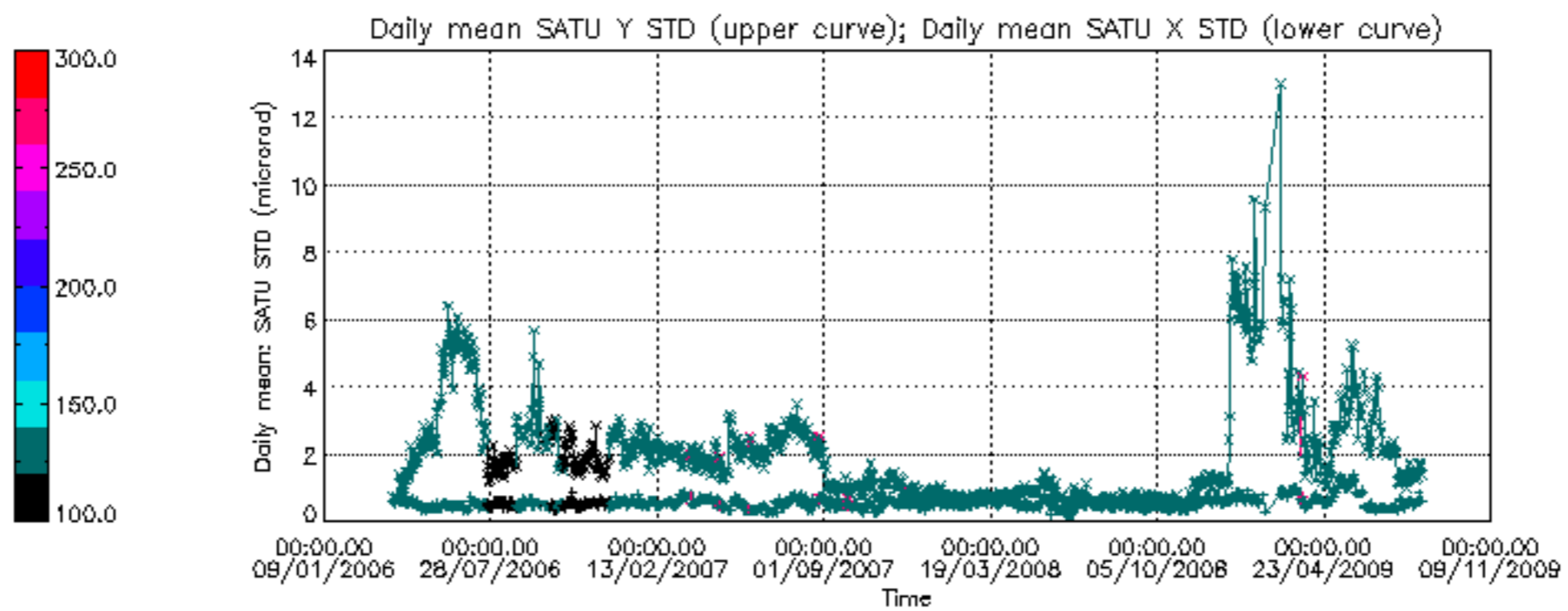


Tangent altitude at which the star is lost









/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  
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 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

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 6; 1108.3; 01-AUG-2009 02:33:46; Dark ; 45.5; 172; Gam Gru ; 3.00; 13100;occ; 91; 0;38792  
 7; 1570.1; 01-AUG-2009 02:41:28; Bright; 51.0; 142; 49Del Cap ; 2.85; 8900;occ; 102; 0;38792  
 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  
 10; 2765.9; 01-AUG-2009 03:01:24; Bright; 42.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 85; 0;38792  
 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  
 13; 3595.8; 01-AUG-2009 03:15:14; Bright; 5.0; 76; 27Gam Cas ; 2.30; 30000;occ; 10; 0;38792

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 4; -1720.3; 01-AUG-2009 03:27:13; Bright; 45.5; 149; 45Eps Per ; 2.89; 30000;occ; 91; 0;38792  
 5; -1534.4; 01-AUG-2009 03:30:19; Dark ; 55.0; 150; 44Zet Per ; 2.89; 28000;occ; 110; 0;38792  
 6; -1245.8; 01-AUG-2009 03:35:08; Dark ; 44.0; 13; 87Alp Tau ; 0.87; 3800;occ; 88; 0;38792  
 7; -1085.9; 01-AUG-2009 03:37:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38792  
 8; -587.1; 01-AUG-2009 03:46:07; Dark ; 57.0; 165; 34Gam Eri ; 2.95; 3200;occ; 114; 0;38792  
 9; -21.8; 01-AUG-2009 03:55:32; Dark ; 44.5; 157; The1Eri ; 2.91; 9300;occ; 89; 0;38792  
 10; 595.3; 01-AUG-2009 04:05:49; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;38793  
 11; 920.5; 01-AUG-2009 04:11:14; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;38793  
 12; 1109.0; 01-AUG-2009 04:14:23; Dark ; 45.5; 172; Gam Gru ; 3.00; 13100;occ; 91; 0;38793  
 13; 1570.6; 01-AUG-2009 04:22:04; Bright; 52.0; 142; 49Del Cap ; 2.85; 8900;occ; 104; 0;38793  
 14; 1823.3; 01-AUG-2009 04:26:17; Bright; 52.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 105; 0;38793  
 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  
 10; 921.2; 01-AUG-2009 05:51:51; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;38794  
 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  
 14; 2578.0; 01-AUG-2009 06:19:28; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;38794

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15; 2765.1; 01-AUG-2009 06:22:35; Bright; 61.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 122; 0;38794
16; 3089.9; 01-AUG-2009 06:28:00; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;38794
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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 3; 1821.1; 01-AUG-2009 21:12:14; Bright; 53.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 107; 0;38803
 4; 2573.2; 01-AUG-2009 21:24:46; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;38803
 5; 2760.7; 01-AUG-2009 21:27:54; Bright; 42.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 84; 0;38803
 6; 3086.0; 01-AUG-2009 21:33:19; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;38803
 7; 3469.2; 01-AUG-2009 21:39:43; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;38803
 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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 4; 606.9; 01-AUG-2009 22:32:36; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;38804
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 6; 1114.2; 01-AUG-2009 22:41:03; Dark ; 44.0; 172; Gam Gru ; 3.00; 13100;occ; 88; 0;38804
 7; 1571.5; 01-AUG-2009 22:48:41; Bright; 52.0; 142; 49Del Cap ; 2.85; 8900;occ; 104; 0;38804
 8; 1821.1; 01-AUG-2009 22:52:50; Bright; 52.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 105; 0;38804
 9; 2572.8; 01-AUG-2009 23:05:22; Bright; 47.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 95; 0;38804
10; 2760.2; 01-AUG-2009 23:08:29; Bright; 38.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 77; 0;38804
11; 3085.5; 01-AUG-2009 23:13:55; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38804
12; 3468.5; 01-AUG-2009 23:20:18; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;38804
13; 3587.5; 01-AUG-2009 23:22:17; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;38804
14; 3974.4; 01-AUG-2009 23:28:43; Bright; 70.0; 160; 23Gam Per ; 2.93; 4700;occ; 140; 0;38804
15; 4075.0; 01-AUG-2009 23:30:24; Bright; 69.0; 35; 33Alp Per ; 1.79; 6250;occ; 138; 0;38804
16; 4314.9; 01-AUG-2009 23:34:24; Bright; 48.5; 149; 45Eps Per ; 2.89; 30000;occ; 97; 0;38804
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19; 4794.9; 01-AUG-2009 23:42:24; Dark ; 58.5; 13; 87Alp Tau ; 0.87; 3800;occ; 117; 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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 6; 1114.7; 02-AUG-2009 00:21:40; Dark ; 45.5; 172; Gam Gru ; 3.00; 13100;occ; 91; 0;38805
 7; 1571.4; 02-AUG-2009 00:29:16; Bright; 74.0; 142; 49Del Cap ; 2.85; 8900;occ; 148; 0;38805
 8; 1820.9; 02-AUG-2009 00:33:26; Bright; 50.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 100; 0;38805
 9; 2572.1; 02-AUG-2009 00:45:57; Bright; 42.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 84; 0;38805
10; 2759.8; 02-AUG-2009 00:49:05; Bright; 60.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 120; 0;38805
11; 3085.1; 02-AUG-2009 00:54:30; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38805
12; 3467.7; 02-AUG-2009 01:00:53; Bright; 52.5; 74; 11Bet Cas ; 2.27; 6600;occ; 105; 0;38805
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16; 4315.0; 02-AUG-2009 01:15:00; Bright; 52.5; 149; 45Eps Per ; 2.89; 30000;occ; 105; 0;38805
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7; 1188.4; 07-AUG-2009 02:46:36; Dark ; 57.5; 18; 24Alp PsA ; 1.17; 9700;occ; 115; 0;38878
8; 1578.5; 07-AUG-2009 02:53:06; Bright; 48.0; 142; 49Del Cap ; 2.85; 8900;occ; 96; 0;38878
9; 1809.3; 07-AUG-2009 02:56:57; Bright; 47.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 95; 0;38878
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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
6; 2169.5; 07-AUG-2009 06:24:09; Bright; 35.0; 61; 8Eps Peg ; 2.10; 3900;occ; 70; 0;38880
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11; 3407.0; 07-AUG-2009 06:44:47; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 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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13; 4200.2; 07-AUG-2009 22:03:23; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;38889
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17; 4046.8; 07-AUG-2009 23:41:26; Bright; 53.0; 35; 33Alp Per ; 1.79; 6250;occ; 106; 0;38890
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9; 3942.8; 07-AUG-2009 08:34:18; Bright; 73.0; 160; 23Gam Per ; 2.93; 4700;occ; 146; 0;38881
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12; 4310.2; 07-AUG-2009 08:40:26; Bright; 52.5; 149; 45Eps Per ; 2.89; 30000;occ; 105; 0;38881
13; 4530.0; 07-AUG-2009 08:44:06; Dark ; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;38881

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 14; 4830.2; 07-AUG-2009 12:10:18; Dark ; 70.0; 13; 87Alp Tau ; 0.87; 3800;occ; 140; 0;38883  
 15; 4945.2; 07-AUG-2009 12:12:13; Dark ; 45.5; 27; 24Gam Ori ; 1.64; 26000;occ; 91; 0;38883  
 16; 5219.7; 07-AUG-2009 12:16:47; Dark ; 55.0; 7; 19Bet Ori ; 0.10; 14000;occ; 110; 0;38883  
 17; 5547.0; 07-AUG-2009 12:22:15; Dark ; 58.5; 165; 34Gam Eri ; 2.95; 3200;occ; 117; 0;38883  
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 22; 7227.7; 07-AUG-2009 12:50:15; Dark ; 61.5; 18; 24Alp PsA ; 1.17; 9700;occ; 123; 0;38883  
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 9; 3530.7; 07-AUG-2009 13:29:14; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38884

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11;	4049.2;	07-AUG-2009	13:37:53;	Bright;	53.0;	35;	33Alp Per	;	1.79;	6250;occ;	106;	0;38884	
12;	4200.5;	07-AUG-2009	13:40:24;	Bright;	45.5;	6;	13Alp Aur	;	0.08;	3400;occ;	91;	0;38884	
13;	4310.0;	07-AUG-2009	13:42:13;	Bright;	51.0;	149;	45Eps Per	;	2.89;	30000;occ;	102;	0;38884	
14;	4530.6;	07-AUG-2009	13:45:54;	Dark	;	48.0;	28;	12Bet Tau	;	1.65;	15200;occ;	96;	0;38884
15;	4830.7;	07-AUG-2009	13:50:54;	Dark	;	71.0;	13;	87Alp Tau	;	0.87;	3800;occ;	142;	0;38884
16;	4945.6;	07-AUG-2009	13:52:49;	Dark	;	44.5;	27;	24Gam Ori	;	1.64;	26000;occ;	89;	0;38884
17;	5220.2;	07-AUG-2009	13:57:24;	Dark	;	47.5;	7;	19Bet Ori	;	0.10;	14000;occ;	95;	0;38884
18;	5548.2;	07-AUG-2009	14:02:52;	Dark	;	60.5;	165;	34Gam Eri	;	2.95;	3200;occ;	121;	0;38884
19;	5804.3;	07-AUG-2009	14:07:08;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;38884
20;	6107.9;	07-AUG-2009	14:12:11;	Dark	;	49.0;	157;	The1Eri	;	2.91;	9300;occ;	98;	0;38884
21;	6725.5;	07-AUG-2009	14:22:29;	Dark	;	59.5;	84;	Alp Phe	;	2.40;	4500;occ;	119;	0;38884
22;	6940.2;	07-AUG-2009	14:26:04;	Dark	;	48.5;	63;	Bet Gru	;	2.15;	2800;occ;	97;	0;38884
23;	7228.5;	07-AUG-2009	14:30:52;	Dark	;	59.0;	18;	24Alp PsA	;	1.17;	9700;occ;	118;	0;38884
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3;	2166.8;	07-AUG-2009	14:47:06;	Bright;	49.0;	61;	8Eps Peg	;	2.10;	3900;occ;	98;	0;38885	
4;	2537.7;	07-AUG-2009	14:53:17;	Bright;	39.5;	92;	53Eps Cyg	;	2.50;	4500;occ;	79;	0;38885	
5;	2620.7;	07-AUG-2009	14:54:40;	Bright;	56.0;	66;	37Gam Cyg	;	2.21;	5900;occ;	112;	0;38885	
6;	2727.9;	07-AUG-2009	14:56:27;	Bright;	38.5;	19;	50Alp Cyg	;	1.25;	10500;occ;	77;	0;38885	
7;	3054.3;	07-AUG-2009	15:01:54;	Bright;	40.5;	89;	5Alp Cep	;	2.45;	8000;occ;	81;	0;38885	
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9;	3530.0;	07-AUG-2009	15:09:49;	Bright;	48.5;	76;	27Gam Cas	;	2.30;	30000;occ;	97;	0;38885	
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11;	4048.9;	07-AUG-2009	15:18:28;	Bright;	54.0;	35;	33Alp Per	;	1.79;	6250;occ;	108;	0;38885	
12;	4200.6;	07-AUG-2009	15:21:00;	Bright;	45.5;	6;	13Alp Aur	;	0.08;	3400;occ;	91;	0;38885	
13;	4310.1;	07-AUG-2009	15:22:49;	Bright;	53.0;	149;	45Eps Per	;	2.89;	30000;occ;	106;	0;38885	
14;	4530.8;	07-AUG-2009	15:26:30;	Dark	;	48.0;	28;	12Bet Tau	;	1.65;	15200;occ;	96;	0;38885
15;	4831.3;	07-AUG-2009	15:31:31;	Dark	;	59.5;	13;	87Alp Tau	;	0.87;	3800;occ;	119;	0;38885
16;	4946.1;	07-AUG-2009	15:33:25;	Dark	;	45.5;	27;	24Gam Ori	;	1.64;	26000;occ;	91;	0;38885
17;	5220.8;	07-AUG-2009	15:38:00;	Dark	;	53.5;	7;	19Bet Ori	;	0.10;	14000;occ;	107;	0;38885
18;	5549.7;	07-AUG-2009	15:43:29;	Dark	;	59.5;	165;	34Gam Eri	;	2.95;	3200;occ;	119;	0;38885
19;	5805.2;	07-AUG-2009	15:47:44;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;38885
20;	6109.0;	07-AUG-2009	15:52:48;	Dark	;	49.0;	157;	The1Eri	;	2.91;	9300;occ;	98;	0;38885
21;	6726.6;	07-AUG-2009	16:03:06;	Dark	;	53.0;	84;	Alp Phe	;	2.40;	4500;occ;	106;	0;38885
22;	6940.9;	07-AUG-2009	16:06:40;	Dark	;	47.5;	63;	Bet Gru	;	2.15;	2800;occ;	95;	0;38885
23;	7229.1;	07-AUG-2009	16:11:28;	Dark	;	60.0;	18;	24Alp PsA	;	1.17;	9700;occ;	120;	0;38885
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3;	1808.3;	07-AUG-2009	16:21:44;	Bright;	44.5;	154;	22Bet Aqr	;	2.90;	5700;occ;	89;	0;38886	
4;	2166.2;	07-AUG-2009	16:27:41;	Bright;	53.0;	61;	8Eps Peg	;	2.10;	3900;occ;	106;	0;38886	
5;	2537.2;	07-AUG-2009	16:33:52;	Bright;	39.0;	92;	53Eps Cyg	;	2.50;	4500;occ;	78;	0;38886	
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7;	2727.7;	07-AUG-2009	16:37:03;	Bright;	57.5;	19;	50Alp Cyg	;	1.25;	10500;occ;	115;	0;38886	
8;	3053.9;	07-AUG-2009	16:42:29;	Bright;	40.0;	89;	5Alp Cep	;	2.45;	8000;occ;	80;	0;38886	
9;	3402.2;	07-AUG-2009	16:48:17;	Bright;	49.5;	74;	11Bet Cas	;	2.27;	6600;occ;	99;	0;38886	
10;	3529.2;	07-AUG-2009	16:50:24;	Bright;	51.5;	76;	27Gam Cas	;	2.30;	30000;occ;	103;	0;38886	
11;	3940.5;	07-AUG-2009	16:57:16;	Bright;	49.0;	160;	23Gam Per	;	2.93;	4700;occ;	98;	0;38886	
12;	4048.5;	07-AUG-2009	16:59:04;	Bright;	54.5;	35;	33Alp Per	;	1.79;	6250;occ;	109;	0;38886	
13;	4200.5;	07-AUG-2009	17:01:36;	Bright;	46.0;	6;	13Alp Aur	;	0.08;	3400;occ;	92;	0;38886	
14;	4310.1;	07-AUG-2009	17:03:25;	Bright;	53.0;	149;	45Eps Per	;	2.89;	30000;occ;	106;	0;38886	
15;	4530.9;	07-AUG-2009	17:07:06;	Dark	;	48.0;	28;	12Bet Tau	;	1.65;	15200;occ;	96;	0;38886
16;	4661.6;	07-AUG-2009	17:09:17;	Dark	;	44.0;	176;	23Zet Tau	;	3.02;	22000;occ;	88;	0;38886
17;	4831.8;	07-AUG-2009	17:12:07;	Dark	;	62.5;	13;	87Alp Tau	;	0.87;	3800;occ;	125;	0;38886
18;	4946.4;	07-AUG-2009	17:14:02;	Dark	;	45.5;	27;	24Gam Ori	;	1.64;	26000;occ;	91;	0;38886
19;	5221.4;	07-AUG-2009	17:18:37;	Dark	;	57.0;	7;	19Bet Ori	;	0.10;	14000;occ;	114;	0;38886
20;	5550.9;	07-AUG-2009	17:24:06;	Dark	;	58.0;	165;	34Gam Eri	;	2.95;	3200;occ;	116;	0;38886
21;	5806.1;	07-AUG-2009	17:28:21;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;38886
22;	6110.2;	07-AUG-2009	17:33:25;	Dark	;	47.5;	157;	The1Eri	;	2.91;	9300;occ;	95;	0;38886
23;	6727.4;	07-AUG-2009	17:43:43;	Dark	;	54.5;	84;	Alp Phe	;	2.40;	4500;occ;	109;	0;38886
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2;	1579.6;	07-AUG-2009	17:58:31;	Bright;	47.5;	142;	49Del Cap	;	2.85;	8900;occ;	95;	0;38887	
3;	1808.3;	07-AUG-2009	18:02:20;	Bright;	67.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	134;	0;38887	
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6; 2620.0; 07-AUG-2009 18:15:51; Bright; 37.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 74; 0;38887
7; 2727.3; 07-AUG-2009 18:17:39; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;38887
8; 3053.5; 07-AUG-2009 18:23:05; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38887
9; 3401.4; 07-AUG-2009 18:28:53; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38887
10; 3528.4; 07-AUG-2009 18:31:00; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38887
11; 3939.9; 07-AUG-2009 18:37:51; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38887
12; 4048.1; 07-AUG-2009 18:39:39; Bright; 56.5; 35; 33Alp Per ; 1.79; 6250;occ; 113; 0;38887
13; 4200.3; 07-AUG-2009 18:42:12; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38887
14; 4309.8; 07-AUG-2009 18:44:01; Bright; 47.5; 149; 45Eps Per ; 2.89; 30000;occ; 95; 0;38887
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16; 4661.7; 07-AUG-2009 18:49:53; Dark ; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;38887
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23; 6728.4; 07-AUG-2009 19:24:20; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;38887
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12; 4047.7; 07-AUG-2009 20:20:15; Bright; 54.0; 35; 33Alp Per ; 1.79; 6250;occ; 108; 0;38888
13; 4200.3; 07-AUG-2009 20:22:48; Bright; 58.0; 6; 13Alp Aur ; 0.08; 3400;occ; 116; 0;38888
14; 4309.6; 07-AUG-2009 20:24:37; Bright; 49.0; 149; 45Eps Per ; 2.89; 30000;occ; 98; 0;38888
15; 4531.2; 07-AUG-2009 20:28:18; Dark ; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;38888
16; 4662.1; 07-AUG-2009 20:30:29; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38888
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 19; 2618.5; 08-AUG-2009 04:19:25; Bright; 38.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 77; 0;38893  
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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
6; 914.1; 08-AUG-2009 22:17:36; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;38904
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5; 708.8; 08-AUG-2009 23:54:47; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;38905
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8;-1086.1; 08-AUG-2009 06:38:53; Dark ; 47.5; 27; 24Gam Ori ; 1.64; 26000;occ; 95; 0;38894
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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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11; 4200.0; 08-AUG-2009 13:08:46; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;38898  
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22; 6947.5; 08-AUG-2009 13:54:34; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;38898  
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10; 2525.6; 09-AUG-2009 23:53:26; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38919  
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22; 4961.1; 10-AUG-2009 00:34:02; Dark ; 46.5; 27; 24Gam Ori ; 1.64; 26000;occ; 93; 0;38919  
23; 5068.4; 10-AUG-2009 00:35:49; Dark ; 44.5; 72; 34Del Ori ; 2.25; 30000;occ; 89; 0;38919  
24; 5241.2; 10-AUG-2009 00:38:42; Dark ; 60.5; 7; 19Bet Ori ; 0.10; 14000;occ; 121; 0;38919

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3; 2153.4; 09-AUG-2009 08:41:51; Bright; 51.5; 61; 8Eps Peg ; 2.10; 3900;occ; 103; 0;38910  
4; 2528.7; 09-AUG-2009 08:48:06; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38910  
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9; 3928.8; 09-AUG-2009 09:11:26; Bright; 74.0; 160; 23Gam Per ; 2.93; 4700;occ; 148; 0;38910  
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11; 4199.7; 09-AUG-2009 09:15:57; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;38910  
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13; 4535.2; 09-AUG-2009 09:21:33; Dark ; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;38910  
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9; 4038.8; 09-AUG-2009 10:53:52; Bright; 52.5; 35; 33Alp Per ; 1.79; 6250;occ; 105; 0;38911
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13; 4667.8; 09-AUG-2009 11:04:21; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38911
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21; 6954.4; 09-AUG-2009 11:42:28; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;38911
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8; 3927.8; 09-AUG-2009 12:32:37; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38912
9; 4038.5; 09-AUG-2009 12:34:28; Bright; 54.5; 35; 33Alp Per ; 1.79; 6250;occ; 109; 0;38912
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12; 4535.5; 09-AUG-2009 12:42:45; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38912
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13; 4668.5; 09-AUG-2009 14:25:34; Dark ; 40.5; 176; 23Zet Tau ; 3.02; 22000;occ; 81; 0;38913
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23; 6767.5; 10-AUG-2009 16:09:32; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;38928
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 9; 3367.4; 10-AUG-2009 16:53:28; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38929
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 3; 1804.2; 10-AUG-2009 16:27:24; Bright; 64.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 128; 0;38929
 4; 1946.3; 10-AUG-2009 16:29:46; Bright; 25.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 50; 0;38929
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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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 5; 2143.7; 10-AUG-2009 18:13:40; Bright; 60.0; 61; 8Eps Peg ; 2.10; 3900;occ; 120; 0;38930  
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11; 2141.1; 11-AUG-2009 02:36:37; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 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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15; 1584.4; 11-AUG-2009 04:07:56; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38936
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22; 3361.8; 11-AUG-2009 04:37:33; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38936
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4; -1496.2; 11-AUG-2009 04:57:11; Dark ; 49.5; 28; 12Bet Tau ; 1.65; 15200;occ; 99; 0;38936
5; -1361.4; 11-AUG-2009 04:59:26; Dark ; 43.0; 176; 23Zet Tau ; 3.02; 22000;occ; 86; 0;38936
6; -1177.3; 11-AUG-2009 05:02:30; Dark ; 70.5; 13; 87Alp Tau ; 0.87; 3800;occ; 141; 0;38936
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8; -951.0; 11-AUG-2009 05:06:17; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;38936
9; -783.8; 11-AUG-2009 05:09:04; Dark ; 60.5; 7; 19Bet Ori ; 0.10; 14000;occ; 121; 0;38936
10; -419.1; 11-AUG-2009 05:15:09; Dark ; 67.0; 165; 34Gam Eri ; 2.95; 3200;occ; 134; 0;38936
11; -187.4; 11-AUG-2009 05:19:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38936
12; 129.0; 11-AUG-2009 05:24:17; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;38937
13; 738.9; 11-AUG-2009 05:34:26; Dark ; 57.0; 84; Alp Phe ; 2.40; 4500;occ; 114; 0;38937
14; 1220.0; 11-AUG-2009 05:42:28; Dark ; 53.0; 18; 24Alp PsA ; 1.17; 9700;occ; 106; 0;38937
15; 1584.4; 11-AUG-2009 05:48:32; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38937
16; 1803.6; 11-AUG-2009 05:52:11; Bright; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;38937
17; 1943.4; 11-AUG-2009 05:54:31; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38937
18; 2140.3; 11-AUG-2009 05:57:48; Bright; 48.0; 61; 8Eps Peg ; 2.10; 3900;occ; 96; 0;38937
19; 2520.3; 11-AUG-2009 06:04:08; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38937
20; 2711.8; 11-AUG-2009 06:07:19; Bright; 37.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 74; 0;38937
21; 3036.6; 11-AUG-2009 06:12:44; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38937
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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2; 1585.4; 11-AUG-2009 20:53:56; Bright; 54.0; 142; 49Del Cap ; 2.85; 8900;occ; 108; 0;38946
3; 1802.7; 11-AUG-2009 20:57:34; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38946

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5; 2136.5; 11-AUG-2009 21:03:08; Bright; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;38946  
6; 2517.3; 11-AUG-2009 21:09:28; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38946  
7; 2709.2; 11-AUG-2009 21:12:40; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38946  
8; 3033.8; 11-AUG-2009 21:18:05; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38946  
9; 3353.7; 11-AUG-2009 21:23:25; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38946  
10; 3484.7; 11-AUG-2009 21:25:36; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38946  
11; 3910.7; 11-AUG-2009 21:32:42; Bright; 59.5; 160; 23Gam Per ; 2.93; 4700;occ; 119; 0;38946  
12; 4024.1; 11-AUG-2009 21:34:35; Bright; 42.0; 35; 33Alp Per ; 1.79; 6250;occ; 84; 0;38946  
13; 4098.3; 11-AUG-2009 21:35:49; Bright; 50.0; 175; 39Del Per ; 3.01; 19400;occ; 100; 0;38946  
14; 4541.6; 11-AUG-2009 21:43:13; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38946  
15; 4677.2; 11-AUG-2009 21:45:28; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38946  
16; 4864.4; 11-AUG-2009 21:48:35; Dark ; 69.5; 13; 87Alp Tau ; 0.87; 3800;occ; 139; 0;38946  
17; 4974.2; 11-AUG-2009 21:50:25; Dark ; 49.5; 27; 24Gam Ori ; 1.64; 26000;occ; 99; 0;38946  
18; 5089.9; 11-AUG-2009 21:52:21; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38946  
19; 5173.2; 11-AUG-2009 21:53:44; Dark ; 43.5; 125; 44Iot Ori ; 2.77; 30000;occ; 87; 0;38946  
20; 5258.7; 11-AUG-2009 21:55:10; Dark ; 35.5; 7; 19Bet Ori ; 0.10; 14000;occ; 71; 0;38946

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2; -404.6; 11-AUG-2009 22:01:22; Dark ; 68.0; 165; 34Gam Eri ; 2.95; 3200;occ; 136; 0;38946  
3; -178.5; 11-AUG-2009 22:05:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38946  
4; 140.4; 11-AUG-2009 22:10:27; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;38947  
5; 748.0; 11-AUG-2009 22:20:35; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;38947  
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  
14; 3353.0; 11-AUG-2009 23:04:00; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38947  
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  
17; 4023.6; 11-AUG-2009 23:15:11; Bright; 42.0; 35; 33Alp Per ; 1.79; 6250;occ; 84; 0;38947  
18; 4098.0; 11-AUG-2009 23:16:25; Bright; 64.0; 175; 39Del Per ; 3.01; 19400;occ; 128; 0;38947  
19; 4541.8; 11-AUG-2009 23:23:49; Dark ; 48.5; 28; 12Bet Tau ; 1.65; 15200;occ; 97; 0;38947  
20; 4677.4; 11-AUG-2009 23:26:04; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38947  
21; 4864.9; 11-AUG-2009 23:29:12; Dark ; 74.5; 13; 87Alp Tau ; 0.87; 3800;occ; 149; 0;38947  
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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1; -772.5; 11-AUG-2009 23:35:50; Dark ; 62.0; 7; 19Bet Ori ; 0.10; 14000;occ; 124; 8;38947  
2; -177.6; 11-AUG-2009 23:45:45; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38947  
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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1; -2120.5; 11-AUG-2009 06:27:23; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38937  
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 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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1; 1803.3; 11-AUG-2009 09:13:23; Bright; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;38939  
 2; 1942.7; 11-AUG-2009 09:15:42; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38939  
 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  
 15; 4970.7; 11-AUG-2009 10:06:10; Dark ; 46.5; 27; 24Gam Ori ; 1.64; 26000;occ; 93; 0;38939  
 16; 5086.5; 11-AUG-2009 10:08:06; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;38939  
 17; 5254.1; 11-AUG-2009 10:10:54; Dark ; 53.0; 7; 19Bet Ori ; 0.10; 14000;occ; 106; 0;38939  
 18; 5621.2; 11-AUG-2009 10:17:01; Dark ; 72.5; 165; 34Gam Eri ; 2.95; 3200;occ; 145; 0;38939  
 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  
 21; 6777.5; 11-AUG-2009 10:36:17; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38939  
 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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 2; 1942.4; 11-AUG-2009 10:56:18; Bright; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;38940  
 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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3; 2127.9; 13-AUG-2009 08:15:33; Bright; 67.0; 61; 8Eps Peg ; 2.10; 3900;occ; 134; 0;38967
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7; 3469.1; 13-AUG-2009 08:37:55; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38967
8; 3899.1; 13-AUG-2009 08:45:05; Bright; 52.5; 160; 23Gam Per ; 2.93; 4700;occ; 105; 0;38967
9; 4091.2; 13-AUG-2009 08:48:17; Bright; 48.0; 175; 39Del Per ; 3.01; 19400;occ; 96; 0;38967
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 8; 3898.6; 13-AUG-2009 10:25:40; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38968  
 9; 4090.8; 13-AUG-2009 10:28:52; Bright; 53.0; 175; 39Del Per ; 3.01; 19400;occ; 106; 0;38968  
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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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 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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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
6; 3026.2; 13-AUG-2009 15:12:55; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;38971
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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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6; 2510.6; 13-AUG-2009 16:44:56; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38972
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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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12; 2509.0; 14-AUG-2009 02:48:29; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38978
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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
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 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
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 8; 2508.7; 14-AUG-2009 06:09:41; Bright; 37.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 74; 0;38980
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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; 1799.9; 15-AUG-2009 23:52:51; Bright; 50.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 100; 0;39005
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4; 3291.8; 17-AUG-2009 09:49:41; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;39025  
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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16; 6269.5; 17-AUG-2009 12:19:54; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;39026  
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12; 2105.4; 18-AUG-2009 02:15:54; Bright; 44.0; 61; 8Eps Peg ; 2.10; 3900;occ; 88; 0;39035
13; 3283.6; 18-AUG-2009 02:35:32; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;39035
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 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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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
14;	5165.6;	20-AUG-2009	13:47:51;	Dark	;	53.0;	30;	46Eps Ori	;	1.69;	30000;occ;	106;	0;	39070
15;	5253.3;	20-AUG-2009	13:49:19;	Dark	;	48.5;	125;	44Tot Ori	;	2.77;	30000;occ;	97;	0;	39070
16;	5358.5;	20-AUG-2009	13:51:04;	Dark	;	61.0;	7;	19Bet Ori	;	0.10;	14000;occ;	122;	0;	39070
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19;	6324.0;	20-AUG-2009	15:47:46;	Dark	;	52.5;	157;	The1Eri	;	2.91;	9300;occ;	105;	0;	39071
20;	6888.6;	20-AUG-2009	15:57:10;	Dark	;	50.0;	84;	Alp Phe	;	2.40;	4500;occ;	100;	0;	39071
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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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6;	2609.2;	20-AUG-2009	16:26:27;	Bright;		40.0;	164;	44Eta Peg	;	2.95;	5400;occ;	80;	0;	39072
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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 5; 2095.9; 20-AUG-2009 19:39:05; Bright; 44.5; 61; 8Eps Peg ; 2.10; 3900;occ; 89; 0;39074
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 11; 2569.9; 24-AUG-2009 02:35:08; Bright; 48.0; 164; 44Eta Peg ; 2.95; 5400;occ; 96; 0;39121  
 12; 3219.9; 24-AUG-2009 02:45:58; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39121  
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3; 1900.6; 25-AUG-2009 20:18:57; Bright; 53.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 106; 0;39146
4; 2083.3; 25-AUG-2009 20:21:59; Bright; 57.0; 61; 8Eps Peg ; 2.10; 3900;occ; 114; 0;39146
5; 2552.4; 25-AUG-2009 20:29:48; Bright; 46.0; 164; 44Eta Peg ; 2.95; 5400;occ; 92; 0;39146
6; 3202.5; 25-AUG-2009 20:40:39; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;39146
7; 3335.0; 25-AUG-2009 20:42:51; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39146
8; 4175.1; 25-AUG-2009 20:56:51; Bright; 56.0; 6; 13Alp Aur ; 0.08; 3400;occ; 112; 0;39146
9; 4375.7; 25-AUG-2009 21:00:12; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39146
10; 4583.3; 25-AUG-2009 21:03:39; Dark ; 59.5; 28; 12Bet Tau ; 1.65; 15200;occ; 119; 0;39146
11; 4761.0; 25-AUG-2009 21:06:37; Dark ; 44.0; 44; 24Gam Gem ; 1.93; 11000;occ; 88; 0;39146
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3; -691.7; 25-AUG-2009 21:16:20; Dark ; 50.0; 56; 53Kap Ori ; 2.07; 30000;occ; 100; 0;39146
4; -596.3; 25-AUG-2009 21:17:56; Dark ; 75.5; 7; 19Bet Ori ; 0.10; 14000;occ; 151; 0;39146
5; -447.4; 25-AUG-2009 21:20:25; Dark ; 51.5; 139; 9Bet Lep ; 2.83; 5600;occ; 103; 0;39146
6; -331.5; 25-AUG-2009 21:22:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39146
7; 379.8; 25-AUG-2009 21:34:12; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39147
8; 906.8; 25-AUG-2009 21:42:59; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;39147
9; 1303.7; 25-AUG-2009 21:49:36; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;39147
10; 1900.4; 25-AUG-2009 21:59:32; Bright; 40.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 81; 0;39147
11; 2083.1; 25-AUG-2009 22:02:35; Bright; 57.0; 61; 8Eps Peg ; 2.10; 3900;occ; 114; 0;39147
12; 2551.8; 25-AUG-2009 22:10:24; Bright; 46.0; 164; 44Eta Peg ; 2.95; 5400;occ; 92; 0;39147
13; 3201.7; 25-AUG-2009 22:21:14; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;39147
14; 3334.2; 25-AUG-2009 22:23:26; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;39147
15; 4174.8; 25-AUG-2009 22:37:27; Bright; 56.5; 6; 13Alp Aur ; 0.08; 3400;occ; 113; 0;39147
16; 4375.5; 25-AUG-2009 22:40:47; Bright; 41.5; 107; 37The Aur ; 2.65; 11000;occ; 83; 0;39147
17; 4583.5; 25-AUG-2009 22:44:15; Dark ; 57.5; 28; 12Bet Tau ; 1.65; 15200;occ; 115; 0;39147
18; 4761.4; 25-AUG-2009 22:47:13; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;39147
19; 5005.5; 25-AUG-2009 22:51:17; Dark ; 60.0; 14; 58Alp Ori ; 0.87; 3000;occ; 120; 0;39147
20; 5110.5; 25-AUG-2009 22:53:02; Dark ; 61.0; 27; 24Gam Ori ; 1.64; 26000;occ; 122; 0;39147
21; 5227.8; 25-AUG-2009 22:55:00; Dark ; 59.5; 30; 46Eps Ori ; 1.69; 30000;occ; 119; 0;39147
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 5; 381.2; 25-AUG-2009 23:14:49; Dark ; 52.5; 157; The1Eri ; 2.91; 9300;occ; 105; 0;39148  
 6; 907.5; 25-AUG-2009 23:23:35; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;39148  
 7; 1303.9; 25-AUG-2009 23:30:12; Dark ; 48.0; 18; 24Alp PsA ; 1.17; 9700;occ; 96; 0;39148  
 8; 1900.3; 25-AUG-2009 23:40:08; Bright; 41.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 83; 0;39148  
 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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 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  
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 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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 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  
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9; 4583.2; 25-AUG-2009 19:23:03; Dark ; 59.0; 28; 12Bet Tau ; 1.65; 15200;occ; 118; 0;39145  
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 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  
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 18; 6414.6; 25-AUG-2009 19:53:35; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39145  
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 11; 2550.3; 26-AUG-2009 01:31:34; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39149  
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 13; 3332.8; 26-AUG-2009 01:44:36; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39149  
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 17; 4762.0; 26-AUG-2009 02:08:26; Dark ; 44.5; 44; 24Gam Gem ; 1.93; 11000;occ; 89; 0;39149  
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 3; 2545.2; 26-AUG-2009 14:56:16; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39157  
 4; 3194.8; 26-AUG-2009 15:07:06; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39157  
 5; 3327.0; 26-AUG-2009 15:09:18; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39157  
 6; 4173.0; 26-AUG-2009 15:23:24; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;39157  
 7; 4375.9; 26-AUG-2009 15:26:47; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39157  
 8; 4586.0; 26-AUG-2009 15:30:17; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39157  
 9; 4764.6; 26-AUG-2009 15:33:16; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;39157  
 10; 5012.1; 26-AUG-2009 15:37:23; Dark ; 61.5; 14; 58Alp Ori ; 0.87; 3000;occ; 123; 0;39157  
 11; 5119.8; 26-AUG-2009 15:39:11; Dark ; 65.0; 27; 24Gam Ori ; 1.64; 26000;occ; 130; 0;39157  
 12; 5237.0; 26-AUG-2009 15:41:08; Dark ; 57.0; 30; 46Eps Ori ; 1.69; 30000;occ; 114; 0;39157  
 13; 5353.7; 26-AUG-2009 15:43:05; Dark ; 53.0; 56; 53Kap Ori ; 2.07; 30000;occ; 106; 0;39157  
 14; 5453.0; 26-AUG-2009 15:44:44; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39157  
 15; 5599.3; 26-AUG-2009 15:47:10; Dark ; 55.0; 139; 9Bet Lep ; 2.83; 5600;occ; 110; 0;39157  
 16; 5715.4; 26-AUG-2009 15:49:06; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39157  
 17; 6429.4; 26-AUG-2009 16:01:00; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;39157  
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 3; 2545.2; 26-AUG-2009 14:56:16; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39157  
 4; 3194.8; 26-AUG-2009 15:07:06; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39157  
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 7; 4375.9; 26-AUG-2009 15:26:47; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39157  
 8; 4586.0; 26-AUG-2009 15:30:17; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39157  
 9; 4764.6; 26-AUG-2009 15:33:16; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;39157  
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 11; 5119.8; 26-AUG-2009 15:39:11; Dark ; 65.0; 27; 24Gam Ori ; 1.64; 26000;occ; 130; 0;39157  
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 13; 5353.7; 26-AUG-2009 15:43:05; Dark ; 53.0; 56; 53Kap Ori ; 2.07; 30000;occ; 106; 0;39157  
 14; 5453.0; 26-AUG-2009 15:44:44; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39157  
 15; 5599.3; 26-AUG-2009 15:47:10; Dark ; 55.0; 139; 9Bet Lep ; 2.83; 5600;occ; 110; 0;39157  
 16; 5715.4; 26-AUG-2009 15:49:06; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39157  
 17; 6429.4; 26-AUG-2009 16:01:00; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;39157  
 18; 6950.1; 26-AUG-2009 16:09:41; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;39157

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 3; 2081.8; 26-AUG-2009 16:29:09; Bright; 41.0; 61; 8Eps Peg ; 2.10; 3900;occ; 82; 0;39158  
 4; 2544.7; 26-AUG-2009 16:36:52; Bright; 47.0; 164; 44Eta Peg ; 2.95; 5400;occ; 94; 0;39158  
 5; 3194.1; 26-AUG-2009 16:47:41; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;39158  
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 7; 4172.9; 26-AUG-2009 17:04:00; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;39158  
 8; 4376.1; 26-AUG-2009 17:07:23; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39158  
 9; 4586.3; 26-AUG-2009 17:10:53; Dark ; 61.0; 28; 12Bet Tau ; 1.65; 15200;occ; 122; 0;39158  
 10; 4765.0; 26-AUG-2009 17:13:52; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;39158

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13; 5238.0; 26-AUG-2009 17:21:45; Dark ; 58.0; 30; 46Eps Ori ; 1.69; 30000;occ; 116; 0;39158
14; 5354.6; 26-AUG-2009 17:23:42; Dark ; 54.5; 56; 53Kap Ori ; 2.07; 30000;occ; 109; 0;39158
15; 5454.2; 26-AUG-2009 17:25:21; Dark ; 70.0; 7; 19Bet Ori ; 0.10; 14000;occ; 140; 0;39158
16; 5600.5; 26-AUG-2009 17:27:47; Dark ; 49.5; 139; 9Bet Lep ; 2.83; 5600;occ; 99; 0;39158
17; 5716.4; 26-AUG-2009 17:29:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39158
18; 6430.5; 26-AUG-2009 17:41:38; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;39158
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 3; 2546.3; 26-AUG-2009 11:35:06; Bright; 46.0; 164; 44Eta Peg ; 2.95; 5400;occ; 92; 0;39155
 4; 3196.0; 26-AUG-2009 11:45:55; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;39155
 5; 3328.3; 26-AUG-2009 11:48:08; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39155
 6; 4173.3; 26-AUG-2009 12:02:13; Bright; 55.5; 6; 13Alp Aur ; 0.08; 3400;occ; 111; 0;39155
 7; 4375.7; 26-AUG-2009 12:05:35; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39155
 8; 4585.6; 26-AUG-2009 12:09:05; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39155
 9; 4763.8; 26-AUG-2009 12:12:03; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;39155
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11; 5117.8; 26-AUG-2009 12:17:57; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;39155
12; 5235.1; 26-AUG-2009 12:19:54; Dark ; 56.5; 30; 46Eps Ori ; 1.69; 30000;occ; 113; 0;39155
13; 5351.8; 26-AUG-2009 12:21:51; Dark ; 49.0; 56; 53Kap Ori ; 2.07; 30000;occ; 98; 0;39155
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15; 5597.3; 26-AUG-2009 12:25:57; Dark ; 49.5; 139; 9Bet Lep ; 2.83; 5600;occ; 99; 0;39155
16; 5713.3; 26-AUG-2009 12:27:53; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39155
17; 6426.9; 26-AUG-2009 12:39:46; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39155
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19; 7342.3; 26-AUG-2009 12:55:02; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;39155
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 3; 2081.7; 26-AUG-2009 18:09:45; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;39159
 4; 2544.0; 26-AUG-2009 18:17:27; Bright; 44.5; 164; 44Eta Peg ; 2.95; 5400;occ; 89; 0;39159
 5; 3193.4; 26-AUG-2009 18:28:16; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;39159
 6; 3325.4; 26-AUG-2009 18:30:28; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39159
 7; 4172.7; 26-AUG-2009 18:44:36; Bright; 53.5; 6; 13Alp Aur ; 0.08; 3400;occ; 107; 0;39159
 8; 4376.1; 26-AUG-2009 18:47:59; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;39159
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11; 5013.4; 26-AUG-2009 18:58:36; Dark ; 69.0; 14; 58Alp Ori ; 0.87; 3000;occ; 138; 0;39159
12; 5121.8; 26-AUG-2009 19:00:25; Dark ; 61.5; 27; 24Gam Ori ; 1.64; 26000;occ; 123; 0;39159
13; 5239.0; 26-AUG-2009 19:02:22; Dark ; 59.0; 30; 46Eps Ori ; 1.69; 30000;occ; 118; 0;39159
14; 5355.4; 26-AUG-2009 19:04:18; Dark ; 52.5; 56; 53Kap Ori ; 2.07; 30000;occ; 105; 0;39159
15; 5455.6; 26-AUG-2009 19:05:59; Dark ; 65.0; 7; 19Bet Ori ; 0.10; 14000;occ; 130; 0;39159
16; 5601.4; 26-AUG-2009 19:08:24; Dark ; 50.5; 139; 9Bet Lep ; 2.83; 5600;occ; 101; 0;39159
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18; 6431.8; 26-AUG-2009 19:22:15; Dark ; 56.0; 157; The1Eri ; 2.91; 9300;occ; 112; 0;39159
19; 6951.4; 26-AUG-2009 19:30:54; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;39159
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 3; 1899.3; 26-AUG-2009 19:47:18; Bright; 41.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 83; 0;39160
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11; 4765.4; 26-AUG-2009 20:35:04; Dark ; 46.0; 44; 24Gam Gem ; 1.93; 11000;occ; 92; 0;39160
12; 5014.0; 26-AUG-2009 20:39:13; Dark ; 60.5; 14; 58Alp Ori ; 0.87; 3000;occ; 121; 0;39160
13; 5122.5; 26-AUG-2009 20:41:02; Dark ; 60.5; 27; 24Gam Ori ; 1.64; 26000;occ; 121; 0;39160
14; 5239.8; 26-AUG-2009 20:42:59; Dark ; 56.5; 30; 46Eps Ori ; 1.69; 30000;occ; 113; 0;39160
15; 5356.2; 26-AUG-2009 20:44:55; Dark ; 52.5; 56; 53Kap Ori ; 2.07; 30000;occ; 105; 0;39160
16; 5456.5; 26-AUG-2009 20:46:36; Dark ; 79.5; 7; 19Bet Ori ; 0.10; 14000;occ; 159; 0;39160
17; 5602.4; 26-AUG-2009 20:49:01; Dark ; 52.0; 139; 9Bet Lep ; 2.83; 5600;occ; 104; 0;39160
18; 5718.3; 26-AUG-2009 20:50:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39160

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6; 917.3; 27-AUG-2009 00:32:44; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;39163
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13; 4171.8; 27-AUG-2009 01:26:58; Bright; 58.5; 6; 13Alp Aur ; 0.08; 3400;occ; 117; 0;39163
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 6; 3183.1; 27-AUG-2009 19:37:05; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39174
 7; 3314.5; 27-AUG-2009 19:39:16; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39174
 8; 4169.7; 27-AUG-2009 19:53:32; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;39174
 9; 4376.5; 27-AUG-2009 19:56:58; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;39174
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11; 4770.3; 27-AUG-2009 20:03:32; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;39174
12; 5023.3; 27-AUG-2009 20:07:45; Dark ; 61.0; 14; 58Alp Ori ; 0.87; 3000;occ; 122; 0;39174
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 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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10; 4376.4; 27-AUG-2009 21:37:34; Bright; 46.5; 107; 37The Aur ; 2.65; 11000;occ; 93; 0;39175
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
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9; 2283.8; 28-AUG-2009 02:04:29; Bright; 39.0; 90; 54Alp Peg ; 2.49; 11000;occ; 78; 0;39178
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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; 2509.7; 30-AUG-2009 21:12:12; Bright; 42.5; 164; 44Eta Peg ; 2.95; 5400;occ; 85; 0;39218
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 13; 5599.0; 30-AUG-2009 15:21:18; Dark ; 51.0; 101; 11Alp Lep ; 2.58; 7000;occ; 102; 0;39214  
 14; 5775.6; 30-AUG-2009 15:24:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39214  
 15; 6499.2; 30-AUG-2009 15:36:18; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39214  
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 4; 2511.4; 30-AUG-2009 16:10:26; Bright; 65.0; 164; 44Eta Peg ; 2.95; 5400;occ; 130; 0;39215  
 5; 3155.8; 30-AUG-2009 16:21:10; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;39215  
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 4; 2510.7; 30-AUG-2009 17:51:01; Bright; 44.0; 164; 44Eta Peg ; 2.95; 5400;occ; 88; 0;39216  
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 6; 3284.4; 30-AUG-2009 18:03:55; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39216  
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 11; 5297.8; 30-AUG-2009 18:37:28; Dark ; 66.0; 30; 46Eps Ori ; 1.69; 30000;occ; 132; 0;39216  
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5; 2510.2; 30-AUG-2009 19:31:37; Bright; 42.5; 164; 44Eta Peg ; 2.95; 5400;occ; 85; 0;39217
6; 3154.5; 30-AUG-2009 19:42:21; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39217
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6; 953.8; 31-AUG-2009 01:48:04; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;39221
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9; 471.8; 31-AUG-2009 03:20:38; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;39222
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13; 1895.8; 31-AUG-2009 05:24:58; Bright; 56.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 112; 0;39223
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8; 2501.6; 01-SEP-2009 00:01:39; Bright; 44.0; 164; 44Eta Peg ; 2.95; 5400;occ; 88; 0;39234
9; 3143.7; 01-SEP-2009 00:12:21; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39234
10; 3271.6; 01-SEP-2009 00:14:29; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39234
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12; 4378.0; 01-SEP-2009 00:32:55; Bright; 47.5; 107; 37The Aur ; 2.65; 11000;occ; 95; 0;39234
13; 4686.7; 01-SEP-2009 00:38:04; Dark ; 54.5; 151; 13Mu Gem ; 2.89; 3000;occ; 109; 0;39234
14; 4792.4; 01-SEP-2009 00:39:49; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;39234
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3; -1352.6; 31-AUG-2009 06:11:25; Dark ; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;39223
4; -1247.7; 31-AUG-2009 06:13:10; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;39223
5; -976.6; 31-AUG-2009 06:17:41; Dark ; 73.5; 14; 58Alp Ori ; 0.87; 3000;occ; 147; 0;39223
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8; -426.7; 31-AUG-2009 06:26:51; Dark ; 58.0; 101; 11Alp Lep ; 2.58; 7000;occ; 116; 0;39223
9; -250.2; 31-AUG-2009 06:29:48; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39223
10; 474.1; 31-AUG-2009 06:41:52; Dark ; 56.5; 157; The1Eri ; 2.91; 9300;occ; 113; 0;39224
11; 955.8; 31-AUG-2009 06:49:54; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;39224
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2; 2255.8; 31-AUG-2009 07:11:34; Bright; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;39224
3; 2506.7; 31-AUG-2009 07:15:45; Bright; 64.0; 164; 44Eta Peg ; 2.95; 5400;occ; 128; 0;39224
4; 3149.9; 31-AUG-2009 07:26:28; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39224
5; 3278.8; 31-AUG-2009 07:28:37; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;39224
6; 4158.4; 31-AUG-2009 07:43:16; Bright; 63.5; 6; 13Alp Aur ; 0.08; 3400;occ; 127; 0;39224
7; 4378.1; 31-AUG-2009 07:46:56; Bright; 47.5; 107; 37The Aur ; 2.65; 11000;occ; 95; 0;39224

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 12; 5442.8; 31-AUG-2009 08:04:41; Dark ; 46.0; 47; 2Bet CMA ; 1.98; 28000;occ; 92; 0;39224  
 13; 5610.4; 31-AUG-2009 08:07:28; Dark ; 53.5; 101; 11Alp Lep ; 2.58; 7000;occ; 107; 0;39224  
 14; 5786.8; 31-AUG-2009 08:10:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39224  
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 16; 6992.5; 31-AUG-2009 08:30:30; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;39224  
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 3; 2506.1; 31-AUG-2009 08:56:20; Bright; 64.0; 164; 44Eta Peg ; 2.95; 5400;occ; 128; 0;39225  
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 5; 3278.0; 31-AUG-2009 09:09:12; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;39225  
 6; 4158.2; 31-AUG-2009 09:23:52; Bright; 59.0; 6; 13Alp Aur ; 0.08; 3400;occ; 118; 0;39225  
 7; 4378.1; 31-AUG-2009 09:27:32; Bright; 50.0; 107; 37The Aur ; 2.65; 11000;occ; 100; 0;39225  
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 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  
 9; 4789.1; 31-AUG-2009 11:14:59; Dark ; 48.0; 44; 24Gam Gem ; 1.93; 11000;occ; 96; 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  
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 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  
 9; 4789.7; 31-AUG-2009 12:55:35; Dark ; 50.5; 44; 24Gam Gem ; 1.93; 11000;occ; 101; 0;39227  
 10; 5062.8; 31-AUG-2009 13:00:08; Dark ; 65.0; 14; 58Alp Ori ; 0.87; 3000;occ; 130; 0;39227  
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 12; 5445.0; 31-AUG-2009 13:06:31; Dark ; 47.0; 47; 2Bet CMA ; 1.98; 28000;occ; 94; 0;39227  
 13; 5613.9; 31-AUG-2009 13:09:19; Dark ; 53.5; 101; 11Alp Lep ; 2.58; 7000;occ; 107; 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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11; 5445.8; 31-AUG-2009 14:47:07; Dark ; 46.5; 47; 2Bet CMA ; 1.98; 28000;occ; 93; 0;39228
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5; 3275.1; 31-AUG-2009 15:51:33; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 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
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