

# GOMOS Daily Report 11-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	14AUG2009 04:54:53
Data source version	GOMOS/5.00
Start time of products	11AUG2009 00:00:40
Stop time of products	11AUG2009 23:51:04
Store outputs in DB	Yes
Nb of level 1b prods	127
Nb of prods with errors	0

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

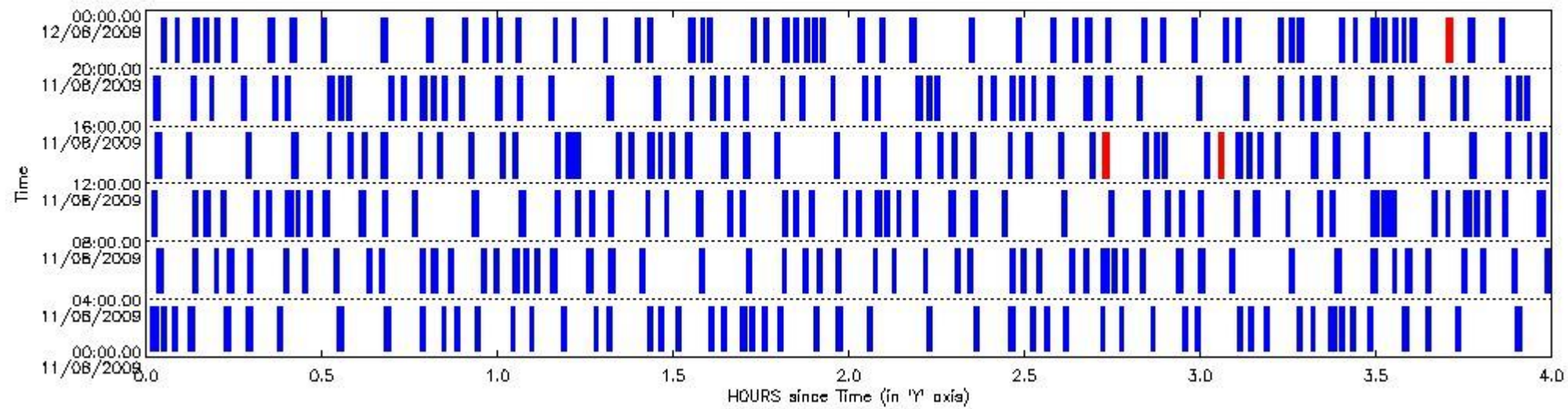
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
11-AUG-2009 14:43:14	27GamCas	76	38942
11-AUG-2009 15:03:03	23ZetTau	176	38942
11-AUG-2009 23:41:59	34GamEri	165	38947

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

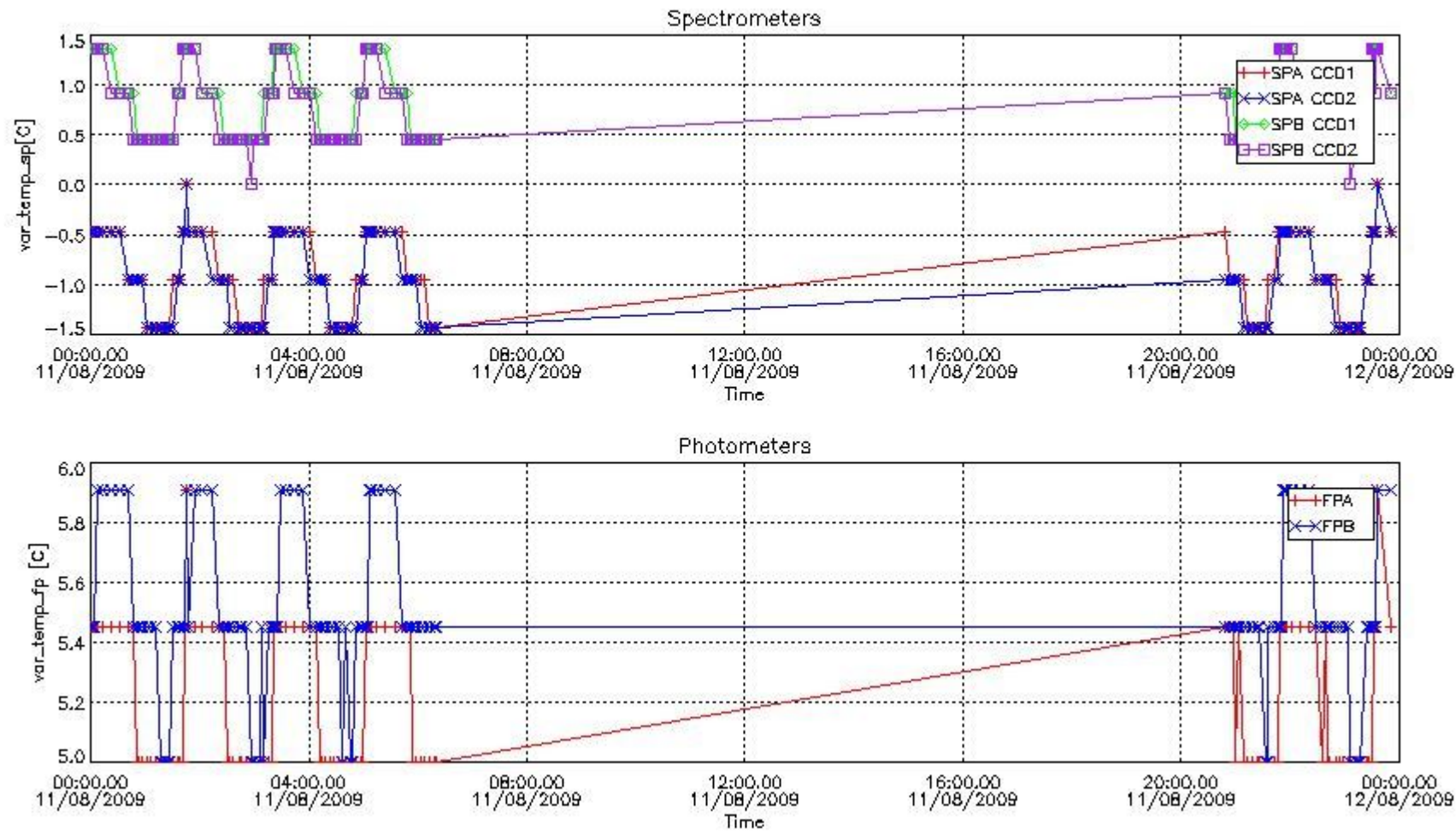
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20090811_000040_000000762081_00302_38933_5819.N1	11-AUG-2009 00:00:40	Dark	76.000	13	87Alp Tau	0.86700	3800.0	152	38933	No
2	GOM_TRA_1PNPDE20090811_000231_000000492081_00302_38933_5820.N1	11-AUG-2009 00:02:31	Dark	49.000	27	24Gam Ori	1.6360	26000.	98	38933	No
3	GOM_TRA_1PNPDE20090811_000427_000000472081_00302_38933_5821.N1	11-AUG-2009 00:04:27	Dark	47.000	30	46Eps Ori	1.6940	30000.	94	38933	No
4	GOM_TRA_1PNPDE20090811_000714_000000532081_00302_38933_5822.N1	11-AUG-2009 00:07:14	Dark	52.500	7	19Bet Ori	0.10000	14000.	105	38933	No
5	GOM_TRA_1PNPDE20090811_001316_000000682081_00302_38933_5973.N1	11-AUG-2009 00:13:16	Dark	67.500	165	34Gam Eri	2.9500	3200.0	135	38933	No
6	GOM_TRA_1PNPDE20090811_002225_000000522081_00303_38934_5974.N1	11-AUG-2009 00:22:25	Dark	51.500	157	The1Eri	2.9060	9300.0	103	38934	No
7	GOM_TRA_1PNPDE20090811_003236_000000572081_00303_38934_5975.N1	11-AUG-2009 00:32:36	Straylight	56.500	84	Alp Phe	2.3970	4500.0	113	38934	No
8	GOM_TRA_1PNPDE20090811_004038_000000582081_00303_38934_5976.N1	11-AUG-2009 00:40:38	Twilight_and_stray	58.000	18	24Alp PsA	1.1660	9700.0	116	38934	No

9	GOM_TRA_1PNPDE20090811_004644_000000462081_00303_38934_5977.N1	11-AUG-2009 00:46:44	Bright	45.500	142	49Del Cap	2.8500	8900.0	91	38934	No
10	GOM_TRA_1PNPDE20090811_005023_000000432081_00303_38934_5978.N1	11-AUG-2009 00:50:23	Bright	42.500	154	22Bet Aqr	2.8990	5700.0	85	38934	No
11	GOM_TRA_1PNPDE20090811_005244_000000452081_00303_38934_5979.N1	11-AUG-2009 00:52:44	Bright	45.000	162	34Alp Aqr	2.9440	5350.0	90	38934	No
12	GOM_TRA_1PNPDE20090811_005601_000000502081_00303_38934_5980.N1	11-AUG-2009 00:56:01	Bright	50.000	61	8Eps Peg	2.1000	3900.0	100	38934	No
13	GOM_TRA_1PNPDE20090811_010221_000000382081_00303_38934_5981.N1	11-AUG-2009 01:02:21	Bright	38.000	92	53Eps Cyg	2.5000	4500.0	76	38934	No
14	GOM_TRA_1PNPDE20090811_010532_000000362081_00303_38934_5982.N1	11-AUG-2009 01:05:32	Bright	36.000	19	50Alp Cyg	1.2460	10500.	72	38934	No
15	GOM_TRA_1PNPDE20090811_011057_000000392081_00303_38934_5983.N1	11-AUG-2009 01:10:57	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	38934	No
16	GOM_TRA_1PNPDE20090811_011623_000000462081_00303_38934_5984.N1	11-AUG-2009 01:16:23	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	38934	No
17	GOM_TRA_1PNPDE20090811_011834_000000502081_00303_38934_5985.N1	11-AUG-2009 01:18:34	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	38934	No
18	GOM_TRA_1PNPDE20090811_012536_000000522081_00303_38934_5986.N1	11-AUG-2009 01:25:36	Bright	51.500	160	23Gam Per	2.9300	4700.0	103	38934	No
19	GOM_TRA_1PNPDE20090811_012729_000000552081_00303_38934_5987.N1	11-AUG-2009 01:27:29	Bright	55.000	35	33Alp Per	1.7950	6250.0	110	38934	No
20	GOM_TRA_1PNPDE20090811_013018_000000592081_00303_38934_5988.N1	11-AUG-2009 01:30:18	Bright	59.000	6	13Alp Aur	0.080000	3400.0	118	38934	No
21	GOM_TRA_1PNPDE20090811_013559_000000512081_00303_38934_5989.N1	11-AUG-2009 01:35:59	Tw_i_and_stray	50.500	28	12Bet Tau	1.6500	15200.	101	38934	No
22	GOM_TRA_1PNPDE20090811_013814_000000442081_00303_38934_5990.N1	11-AUG-2009 01:38:14	Tw_i_and_stray	44.000	176	23Zet Tau	3.0200	22000.	88	38934	No
23	GOM_TRA_1PNPDE20090811_014117_000000762081_00303_38934_5991.N1	11-AUG-2009 01:41:17	Dark	76.000	13	87Alp Tau	0.86700	3800.0	152	38934	No
24	GOM_TRA_1PNPDE20090811_014308_000000472081_00303_38934_5992.N1	11-AUG-2009 01:43:08	Dark	47.000	27	24Gam Ori	1.6360	26000.	94	38934	No
25	GOM_TRA_1PNPDE20090811_014504_000000492081_00303_38934_6113.N1	11-AUG-2009 01:45:04	Dark	48.500	30	46Eps Ori	1.6940	30000.	97	38934	No
26	GOM_TRA_1PNPDE20090811_014751_000000542081_00303_38934_6114.N1	11-AUG-2009 01:47:51	Dark	54.000	7	19Bet Ori	0.10000	14000.	108	38934	No
27	GOM_TRA_1PNPDE20090811_015354_000000622081_00303_38934_6115.N1	11-AUG-2009 01:53:54	Dark	62.000	165	34Gam Eri	2.9500	3200.0	124	38934	No
28	GOM_TRA_1PNPDE20090811_020303_000000492081_00304_38935_6116.N1	11-AUG-2009 02:03:03	Dark	49.000	157	The1Eri	2.9060	9300.0	98	38935	No
29	GOM_TRA_1PNPDE20090811_021313_000000562081_00304_38935_6117.N1	11-AUG-2009 02:13:13	Straylight	55.500	84	Alp Phe	2.3970	4500.0	111	38935	No
30	GOM_TRA_1PNPDE20090811_022114_000000552081_00304_38935_6118.N1	11-AUG-2009 02:21:14	Tw_i_and_stray	55.000	18	24Alp PsA	1.1660	9700.0	110	38935	No
31	GOM_TRA_1PNPDE20090811_022720_000000642081_00304_38935_6119.N1	11-AUG-2009 02:27:20	Bright	64.000	142	49Del Cap	2.8500	8900.0	128	38935	No
32	GOM_TRA_1PNPDE20090811_023059_000000442081_00304_38935_6120.N1	11-AUG-2009 02:30:59	Bright	44.000	154	22Bet Aqr	2.8990	5700.0	88	38935	No
33	GOM_TRA_1PNPDE20090811_023320_000000452081_00304_38935_6121.N1	11-AUG-2009 02:33:20	Bright	45.000	162	34Alp Aqr	2.9440	5350.0	90	38935	No
34	GOM_TRA_1PNPDE20090811_023637_000000502081_00304_38935_6122.N1	11-AUG-2009 02:36:37	Bright	50.000	61	8Eps Peg	2.1000	3900.0	100	38935	No
35	GOM_TRA_1PNPDE20090811_024256_000000412081_00304_38935_6123.N1	11-AUG-2009 02:42:56	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	38935	No
36	GOM_TRA_1PNPDE20090811_024608_000000402081_00304_38935_6124.N1	11-AUG-2009 02:46:08	Bright	40.000	19	50Alp Cyg	1.2460	10500.	80	38935	No
37	GOM_TRA_1PNPDE20090811_025133_000000382081_00304_38935_6125.N1	11-AUG-2009 02:51:33	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	38935	No
38	GOM_TRA_1PNPDE20090811_025658_000000492081_00304_38935_6126.N1	11-AUG-2009 02:56:58	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	38935	No
39	GOM_TRA_1PNPDE20090811_025908_000000492081_00304_38935_6127.N1	11-AUG-2009 02:59:08	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	38935	No
40	GOM_TRA_1PNPDE20090811_030612_000000522081_00304_38935_6286.N1	11-AUG-2009 03:06:12	Bright	52.000	160	23Gam Per	2.9300	4700.0	104	38935	No
41	GOM_TRA_1PNPDE20090811_030805_000000592081_00304_38935_6287.N1	11-AUG-2009 03:08:05	Bright	59.000	35	33Alp Per	1.7950	6250.0	118	38935	No
42	GOM_TRA_1PNPDE20090811_031054_000000442081_00304_38935_6288.N1	11-AUG-2009 03:10:54	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	38935	No
43	GOM_TRA_1PNPDE20090811_031635_000000502081_00304_38935_6289.N1	11-AUG-2009 03:16:35	Tw_i_and_stray	49.500	28	12Bet Tau	1.6500	15200.	99	38935	No
44	GOM_TRA_1PNPDE20090811_031850_000000442081_00304_38935_6290.N1	11-AUG-2009 03:18:50	Tw_i_and_stray	43.500	176	23Zet Tau	3.0200	22000.	87	38935	No
45	GOM_TRA_1PNPDE20090811_032154_000000762081_00304_38935_6291.N1	11-AUG-2009 03:21:54	Dark	76.000	13	87Alp Tau	0.86700	3800.0	152	38935	No
46	GOM_TRA_1PNPDE20090811_032344_000000482081_00304_38935_6292.N1	11-AUG-2009 03:23:44	Dark	48.000	27	24Gam Ori	1.6360	26000.	96	38935	No
47	GOM_TRA_1PNPDE20090811_032540_000000442081_00304_38935_6293.N1	11-AUG-2009 03:25:40	Dark	43.500	30	46Eps Ori	1.6940	30000.	87	38935	No
48	GOM_TRA_1PNPDE20090811_032827_000000552081_00304_38935_6294.N1	11-AUG-2009 03:28:27	Dark	54.500	7	19Bet Ori	0.10000	14000.	109	38935	No
49	GOM_TRA_1PNPDE20090811_033431_000000672081_00304_38935_6295.N1	11-AUG-2009 03:34:31	Dark	66.500	165	34Gam Eri	2.9500	3200.0	133	38935	No
50	GOM_TRA_1PNPDE20090811_034340_000000502081_00305_38936_6296.N1	11-AUG-2009 03:43:40	Dark	50.000	157	The1Eri	2.9060	9300.0	100	38936	No
51	GOM_TRA_1PNPDE20090811_035350_000000542081_00305_38936_6297.N1	11-AUG-2009 03:53:50	Straylight	53.500	84	Alp Phe	2.3970	4500.0	107	38936	No
52	GOM_TRA_1PNPDE20090811_040151_000000572081_00305_38936_6298.N1	11-AUG-2009 04:01:51	Tw_i_and_stray	56.500	18	24Alp PsA	1.1660	9700.0	113	38936	No
53	GOM_TRA_1PNPDE20090811_040756_000000452081_00305_38936_6299.N1	11-AUG-2009 04:07:56	Bright	44.500	142	49Del Cap	2.8500	8900.0	89	38936	No
54	GOM_TRA_1PNPDE20090811_041135_000000452081_00305_38936_6300.N1	11-AUG-2009 04:11:35	Bright	45.000	154	22Bet Aqr	2.8990	5700.0	90	38936	No
55	GOM_TRA_1PNPDE20090811_041355_000000512081_00305_38936_6301.N1	11-AUG-2009 04:13:55	Bright	50.500	162	34Alp Aqr	2.9440	5350.0	101	38936	No
56	GOM_TRA_1PNPDE20090811_041712_000000492081_00305_38936_6302.N1	11-AUG-2009 04:17:12	Bright	49.000	61	8Eps Peg	2.1000	3900.0	98	38936	No
57	GOM_TRA_1PNPDE20090811_042332_000000412081_00305_38936_6303.N1	11-AUG-2009 04:23:32	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	38936	No
58	GOM_TRA_1PNPDE20090811_042644_000000392081_00305_38936_6304.N1	11-AUG-2009 04:26:44	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	38936	No
59	GOM_TRA_1PNPDE20090811_043209_000000382081_00305_38936_6305.N1	11-AUG-2009 04:32:09	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	38936	No
60	GOM_TRA_1PNPDE20090811_043733_000000502081_00305_38936_6306.N1	11-AUG-2009 04:37:33	Bright	49.500	74	11Bet Cas	2.2680	6600.0	99	38936	No
61	GOM_TRA_1PNPDE20090811_043944_000000492081_00305_38936_6307.N1	11-AUG-2009 04:39:44	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	38936	No
62	GOM_TRA_1PNPDE20090811_044647_000000522081_00305_38936_6443.N1	11-AUG-2009 04:46:47	Bright	51.500	160	23Gam Per	2.9300	4700.0	103	38936	No
63	GOM_TRA_1PNPDE20090811_044840_000000572081_00305_38936_6444.N1	11-AUG-2009 04:48:40	Bright	57.000	35	33Alp Per	1.7950	6250.0	114	38936	No
64	GOM_TRA_1PNPDE20090811_045130_000000482081_00305_38936_6445.N1	11-AUG-2009 04:51:30	Bright	47.500	6	13Alp Aur	0.080000	3400.0	95	38936	No
65	GOM_TRA_1PNPDE20090811_045711_000000502081_00305_38936_6446.N1	11-AUG-2009 04:57:11	Tw_i_and_stray	49.500	28	12Bet Tau	1.6500	15200.	99	38936	No
66	GOM_TRA_1PNPDE20090811_045926_000000432081_00305_38936_6447.N1	11-AUG-2009 04:59:26	Tw_i_and_stray	43.000	176	23Zet Tau	3.0200	22000.	86	38936	No
67	GOM_TRA_1PNPDE20090811_050230_000000712081_00305_38936_6448.N1	11-AUG-2009 05:02:30	Dark	70.500	13	87Alp Tau	0.86700	3800.0	141	38936	No



68	GOM_TRA_1PNPDE20090811_050421_000000482081_00305_38936_6449.N1	11-AUG-2009 05:04:21	Dark	47.500	27	24Gam Ori	1.6360	26000.	95	38936	No
69	GOM_TRA_1PNPDE20090811_050617_000000462081_00305_38936_6450.N1	11-AUG-2009 05:06:17	Dark	45.500	30	46Eps Ori	1.6940	30000.	91	38936	No
70	GOM_TRA_1PNPDE20090811_050904_000000612081_00305_38936_6451.N1	11-AUG-2009 05:09:04	Dark	60.500	7	19Bet Ori	0.10000	14000.	121	38936	No
71	GOM_TRA_1PNPDE20090811_051509_000000672081_00305_38936_6452.N1	11-AUG-2009 05:15:09	Dark	67.000	165	34Gam Eri	2.9500	3200.0	134	38936	No
72	GOM_TRA_1PNPDE20090811_052417_000000512081_00306_38937_6453.N1	11-AUG-2009 05:24:17	Dark	50.500	157	The1Eri	2.9060	9300.0	101	38937	No
73	GOM_TRA_1PNPDE20090811_053426_000000572081_00306_38937_6454.N1	11-AUG-2009 05:34:26	Straylight	57.000	84	Alp Phe	2.3970	4500.0	114	38937	No
74	GOM_TRA_1PNPDE20090811_054228_000000532081_00306_38937_6455.N1	11-AUG-2009 05:42:28	Twilight	53.000	18	24Alp PsA	1.1660	9700.0	106	38937	No
75	GOM_TRA_1PNPDE20090811_054832_000000452081_00306_38937_6456.N1	11-AUG-2009 05:48:32	Bright	44.500	142	49Del Cap	2.8500	8900.0	89	38937	No
76	GOM_TRA_1PNPDE20090811_055211_000000462081_00306_38937_6457.N1	11-AUG-2009 05:52:11	Bright	45.500	154	22Bet Aqr	2.8990	5700.0	91	38937	No
77	GOM_TRA_1PNPDE20090811_055431_000000512081_00306_38937_6458.N1	11-AUG-2009 05:54:31	Bright	51.000	162	34Alp Aqr	2.9440	5350.0	102	38937	No
78	GOM_TRA_1PNPDE20090811_055748_000000482081_00306_38937_6459.N1	11-AUG-2009 05:57:48	Bright	48.000	61	8Eps Peg	2.1000	3900.0	96	38937	No
79	GOM_TRA_1PNPDE20090811_060408_000000412081_00306_38937_6460.N1	11-AUG-2009 06:04:08	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	38937	No
80	GOM_TRA_1PNPDE20090811_060719_000000372081_00306_38937_6461.N1	11-AUG-2009 06:07:19	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	38937	No
81	GOM_TRA_1PNPDE20090811_061244_000000392081_00306_38937_6462.N1	11-AUG-2009 06:12:44	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	38937	No
82	GOM_TRA_1PNPDE20090811_061809_000000502081_00306_38937_6463.N1	11-AUG-2009 06:18:09	Bright	49.500	74	11Bet Cas	2.2680	6600.0	99	38937	No
83	GOM_TRA_1PNPDE20090811_062019_000000492081_00306_38937_6464.N1	11-AUG-2009 06:20:19	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	38937	No
84	GOM_TRA_1PNPDE20090811_204755_000000562081_00315_38946_6845.N1	11-AUG-2009 20:47:55	Twilight	55.500	18	24Alp PsA	1.1660	9700.0	111	38946	No
85	GOM_TRA_1PNPDE20090811_205356_000000542081_00315_38946_6846.N1	11-AUG-2009 20:53:56	Bright	54.000	142	49Del Cap	2.8500	8900.0	108	38946	No
86	GOM_TRA_1PNPDE20090811_205734_000000442081_00315_38946_6847.N1	11-AUG-2009 20:57:34	Bright	44.000	154	22Bet Aqr	2.8990	5700.0	88	38946	No
87	GOM_TRA_1PNPDE20090811_205951_000000522081_00315_38946_6848.N1	11-AUG-2009 20:59:51	Bright	51.500	162	34Alp Aqr	2.9440	5350.0	103	38946	No
88	GOM_TRA_1PNPDE20090811_210308_000000472081_00315_38946_6849.N1	11-AUG-2009 21:03:08	Bright	46.500	61	8Eps Peg	2.1000	3900.0	93	38946	No
89	GOM_TRA_1PNPDE20090811_210928_000000412081_00315_38946_6850.N1	11-AUG-2009 21:09:28	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	38946	No
90	GOM_TRA_1PNPDE20090811_211240_000000392081_00315_38946_6851.N1	11-AUG-2009 21:12:40	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	38946	No
91	GOM_TRA_1PNPDE20090811_211805_000000392081_00315_38946_6852.N1	11-AUG-2009 21:18:05	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	38946	No
92	GOM_TRA_1PNPDE20090811_212325_000000502081_00315_38946_6853.N1	11-AUG-2009 21:23:25	Bright	50.000	74	11Bet Cas	2.2680	6600.0	100	38946	No
93	GOM_TRA_1PNPDE20090811_212536_000000482081_00315_38946_6854.N1	11-AUG-2009 21:25:36	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	38946	No
94	GOM_TRA_1PNPDE20090811_213242_000000602081_00315_38946_6855.N1	11-AUG-2009 21:32:42	Bright	59.500	160	23Gam Per	2.9300	4700.0	119	38946	No
95	GOM_TRA_1PNPDE20090811_213435_000000422081_00315_38946_6856.N1	11-AUG-2009 21:34:35	Bright	42.000	35	33Alp Per	1.7950	6250.0	84	38946	No
96	GOM_TRA_1PNPDE20090811_213549_000000502081_00315_38946_6857.N1	11-AUG-2009 21:35:49	Bright	50.000	175	39Del Per	3.0100	19400.	100	38946	No
97	GOM_TRA_1PNPDE20090811_214313_000000492081_00315_38946_6858.N1	11-AUG-2009 21:43:13	Twilight	49.000	28	12Bet Tau	1.6500	15200.	98	38946	No
98	GOM_TRA_1PNPDE20090811_214528_000000442081_00315_38946_6859.N1	11-AUG-2009 21:45:28	Twilight	44.000	176	23Zet Tau	3.0200	22000.	88	38946	No
99	GOM_TRA_1PNPDE20090811_214835_000000702081_00315_38946_6860.N1	11-AUG-2009 21:48:35	Dark	69.500	13	87Alp Tau	0.86700	3800.0	139	38946	No
100	GOM_TRA_1PNPDE20090811_215025_000000502081_00315_38946_6861.N1	11-AUG-2009 21:50:25	Dark	49.500	27	24Gam Ori	1.6360	26000.	99	38946	No
101	GOM_TRA_1PNPDE20090811_215221_000000472081_00315_38946_6862.N1	11-AUG-2009 21:52:21	Dark	46.500	30	46Eps Ori	1.6940	30000.	93	38946	No
102	GOM_TRA_1PNPDE20090811_215344_000000442081_00315_38946_6863.N1	11-AUG-2009 21:53:44	Dark	43.500	125	44lot Ori	2.7700	30000.	87	38946	No
103	GOM_TRA_1PNPDE20090811_215510_000000522081_00315_38946_6992.N1	11-AUG-2009 21:55:10	Dark	51.500	7	19Bet Ori	0.10000	14000.	103	38946	No
104	GOM_TRA_1PNPDE20090811_220122_000000682081_00315_38946_6993.N1	11-AUG-2009 22:01:22	Dark	68.000	165	34Gam Eri	2.9500	3200.0	136	38946	No
105	GOM_TRA_1PNPDE20090811_221027_000000512081_00316_38947_6994.N1	11-AUG-2009 22:10:27	Dark	51.000	157	The1Eri	2.9060	9300.0	102	38947	No
106	GOM_TRA_1PNPDE20090811_222035_000000522081_00316_38947_6995.N1	11-AUG-2009 22:20:35	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	38947	No
107	GOM_TRA_1PNPDE20090811_222832_000000552081_00316_38947_6996.N1	11-AUG-2009 22:28:32	Twilight	54.500	18	24Alp PsA	1.1660	9700.0	109	38947	No
108	GOM_TRA_1PNPDE20090811_223432_000000462081_00316_38947_6997.N1	11-AUG-2009 22:34:32	Bright	45.500	142	49Del Cap	2.8500	8900.0	91	38947	No
109	GOM_TRA_1PNPDE20090811_223810_000000442081_00316_38947_6998.N1	11-AUG-2009 22:38:10	Bright	44.000	154	22Bet Aqr	2.8990	5700.0	88	38947	No
110	GOM_TRA_1PNPDE20090811_224027_000000522081_00316_38947_6999.N1	11-AUG-2009 22:40:27	Bright	51.500	162	34Alp Aqr	2.9440	5350.0	103	38947	No
111	GOM_TRA_1PNPDE20090811_224343_000000492081_00316_38947_7000.N1	11-AUG-2009 22:43:43	Bright	48.500	61	8Eps Peg	2.1000	3900.0	97	38947	No
112	GOM_TRA_1PNPDE20090811_225004_000000382081_00316_38947_7001.N1	11-AUG-2009 22:50:04	Bright	38.000	92	53Eps Cyg	2.5000	4500.0	76	38947	No
113	GOM_TRA_1PNPDE20090811_225316_000000392081_00316_38947_7002.N1	11-AUG-2009 22:53:16	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	38947	No
114	GOM_TRA_1PNPDE20090811_225840_000000402081_00316_38947_7003.N1	11-AUG-2009 22:58:40	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	38947	No
115	GOM_TRA_1PNPDE20090811_230400_000000502081_00316_38947_7004.N1	11-AUG-2009 23:04:00	Bright	49.500	74	11Bet Cas	2.2680	6600.0	99	38947	No
116	GOM_TRA_1PNPDE20090811_230611_000000482081_00316_38947_7005.N1	11-AUG-2009 23:06:11	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	38947	No
117	GOM_TRA_1PNPDE20090811_231317_000000532081_00316_38947_7006.N1	11-AUG-2009 23:13:17	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	38947	No
118	GOM_TRA_1PNPDE20090811_231511_000000422081_00316_38947_7007.N1	11-AUG-2009 23:15:11	Bright	42.000	35	33Alp Per	1.7950	6250.0	84	38947	No
119	GOM_TRA_1PNPDE20090811_231625_000000642081_00316_38947_7008.N1	11-AUG-2009 23:16:25	Bright	64.000	175	39Del Per	3.0100	19400.	128	38947	No
120	GOM_TRA_1PNPDE20090811_232349_000000492081_00316_38947_7009.N1	11-AUG-2009 23:23:49	Twilight	48.500	28	12Bet Tau	1.6500	15200.	97	38947	No
121	GOM_TRA_1PNPDE20090811_232604_000000452081_00316_38947_7010.N1	11-AUG-2009 23:26:04	Twilight	45.000	176	23Zet Tau	3.0200	22000.	90	38947	No
122	GOM_TRA_1PNPDE20090811_232912_000000752081_00316_38947_7011.N1	11-AUG-2009 23:29:12	Dark	74.500	13	87Alp Tau	0.86700	3800.0	149	38947	No
123	GOM_TRA_1PNPDE20090811_233102_000000512081_00316_38947_7012.N1	11-AUG-2009 23:31:02	Dark	50.500	27	24Gam Ori	1.6360	26000.	101	38947	No
124	GOM_TRA_1PNPDE20090811_233257_000000472081_00316_38947_7013.N1	11-AUG-2009 23:32:57	Dark	47.000	30	46Eps Ori	1.6940	30000.	94	38947	No
125	GOM_TRA_1PNPDE20090811_233421_000000462081_00316_38947_7014.N1	11-AUG-2009 23:34:21	Dark	45.500	125	44lot Ori	2.7700	30000.	91	38947	No
126	GOM_TRA_1PNPDE20090811_233546_000000622081_00316_38947_7146.N1	11-AUG-2009 23:35:46	Dark	62.000	7	19Bet Ori	0.10000	14000.	124	38947	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.

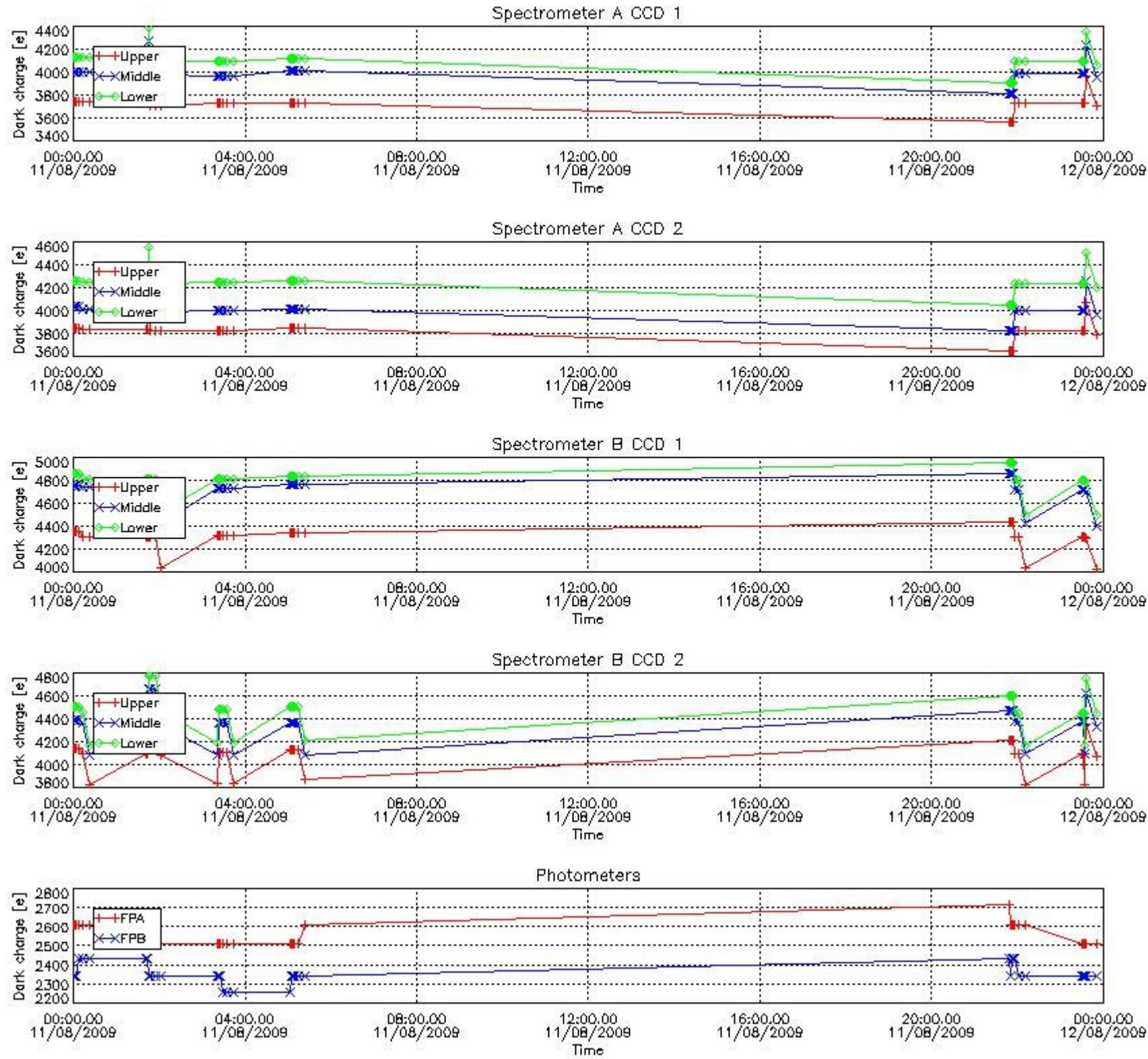
#### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20090811_204755_000000562081_00315_38946_6845.N1	DC map used
GOM_TRA_1PNPDE20090811_205356_000000542081_00315_38946_6846.N1	DC map used
GOM_TRA_1PNPDE20090811_205734_000000442081_00315_38946_6847.N1	DC map used
GOM_TRA_1PNPDE20090811_205951_000000522081_00315_38946_6848.N1	DC map used
GOM_TRA_1PNPDE20090811_210308_000000472081_00315_38946_6849.N1	DC map used
GOM_TRA_1PNPDE20090811_210928_000000412081_00315_38946_6850.N1	DC map used
GOM_TRA_1PNPDE20090811_211240_000000392081_00315_38946_6851.N1	DC map used
GOM_TRA_1PNPDE20090811_211805_000000392081_00315_38946_6852.N1	DC map used
GOM_TRA_1PNPDE20090811_212325_000000502081_00315_38946_6853.N1	DC map used

GOM_TRA_1PNPDE20090811_212536_000000482081_00315_38946_6854.N1	DC map used
GOM_TRA_1PNPDE20090811_213242_000000602081_00315_38946_6855.N1	DC map used
GOM_TRA_1PNPDE20090811_213435_000000422081_00315_38946_6856.N1	DC map used
GOM_TRA_1PNPDE20090811_213549_000000502081_00315_38946_6857.N1	DC map used
GOM_TRA_1PNPDE20090811_214313_000000492081_00315_38946_6858.N1	DC map used
GOM_TRA_1PNPDE20090811_214528_000000442081_00315_38946_6859.N1	DC map used
GOM_TRA_1PNPDE20090811_214835_000000702081_00315_38946_6860.N1	DC map used
GOM_TRA_1PNPDE20090811_215025_000000502081_00315_38946_6861.N1	DC map used
GOM_TRA_1PNPDE20090811_215221_000000472081_00315_38946_6862.N1	DC map used
GOM_TRA_1PNPDE20090811_215344_000000442081_00315_38946_6863.N1	DC map used

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





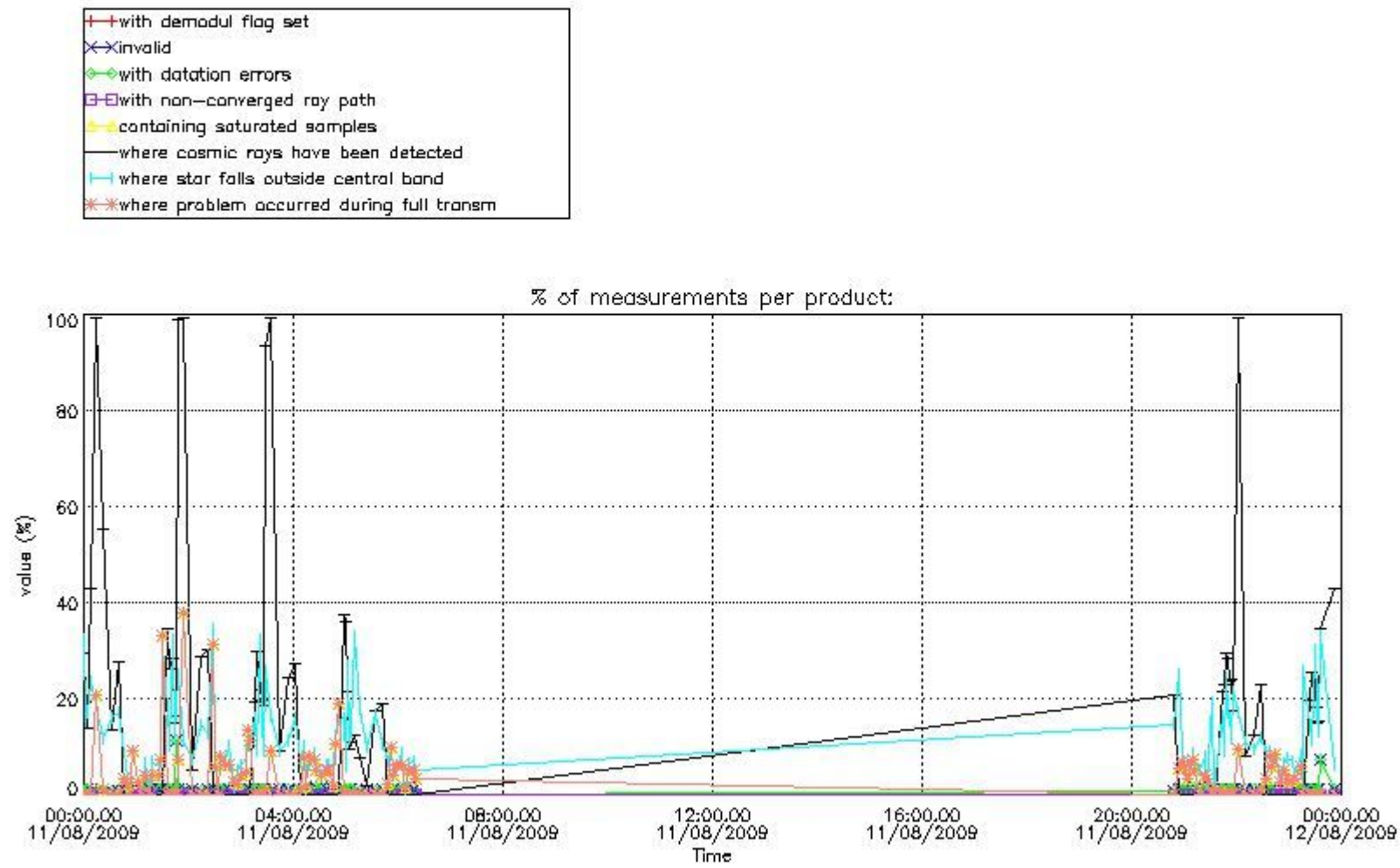
## 5. Demodulation flag and quality information monitoring

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:

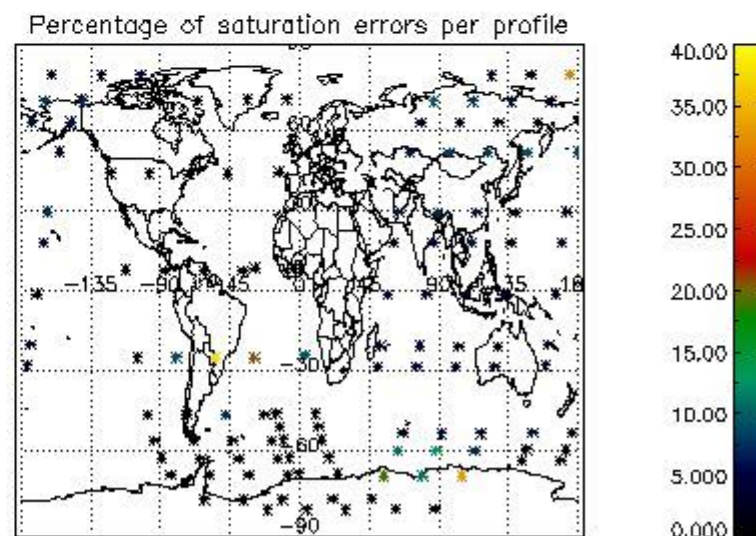
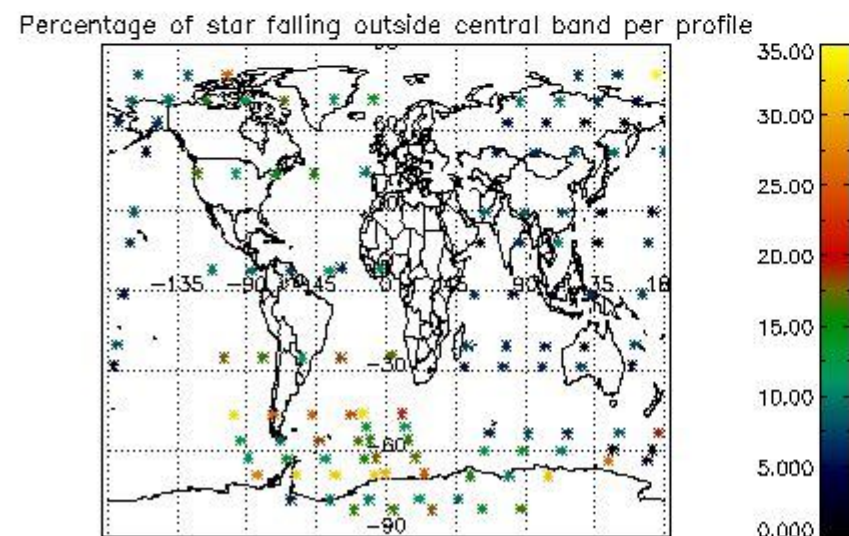
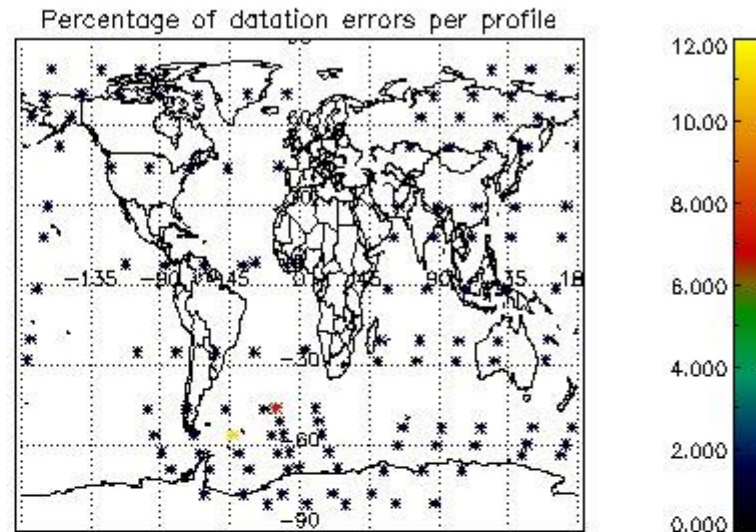
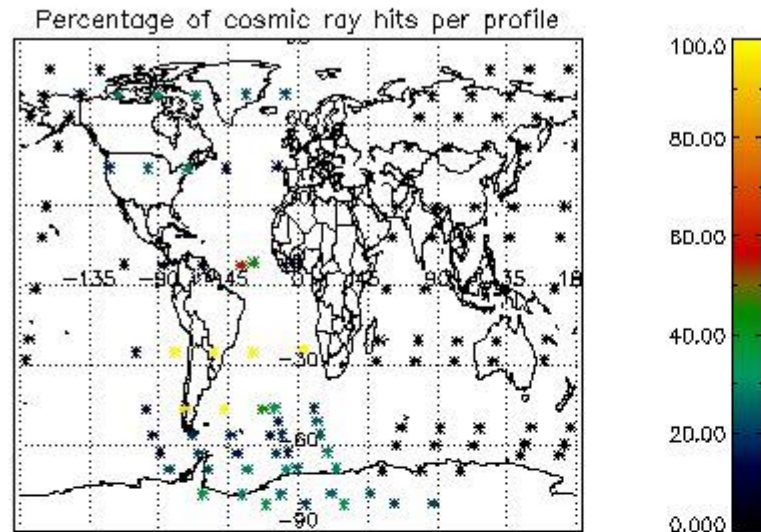
At least one measurement with demodulation flag set:	25.9843 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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



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





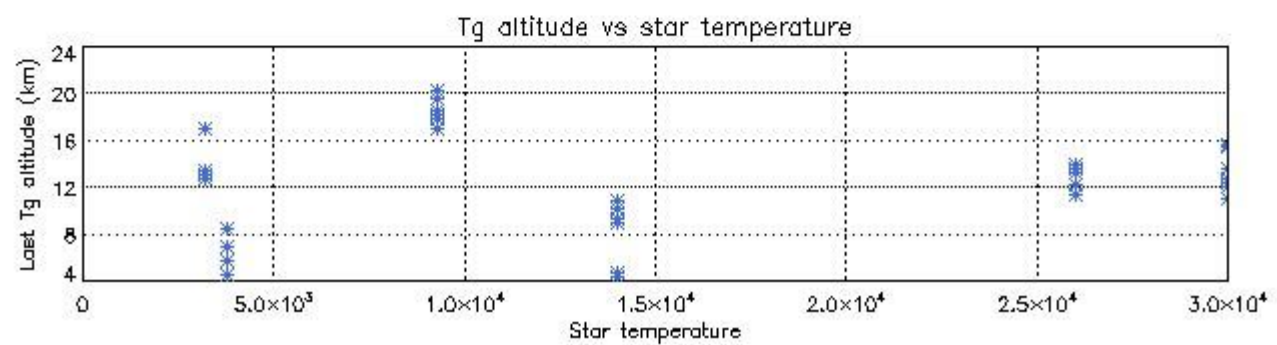
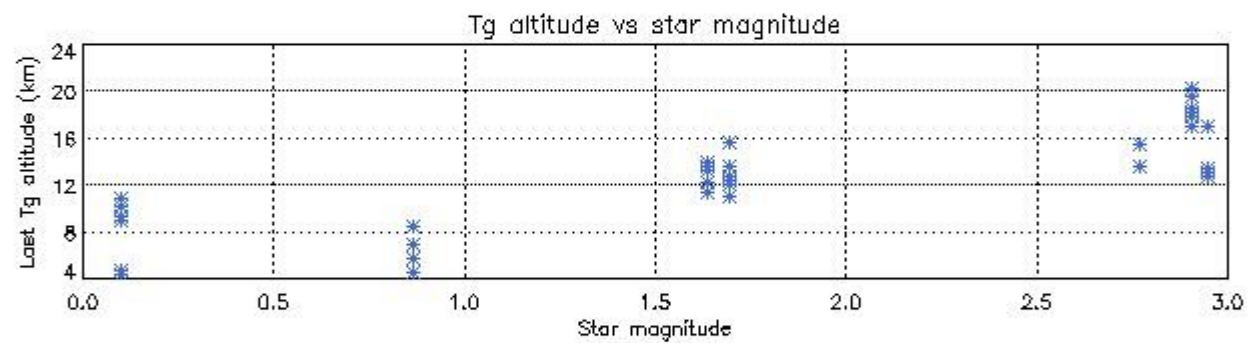
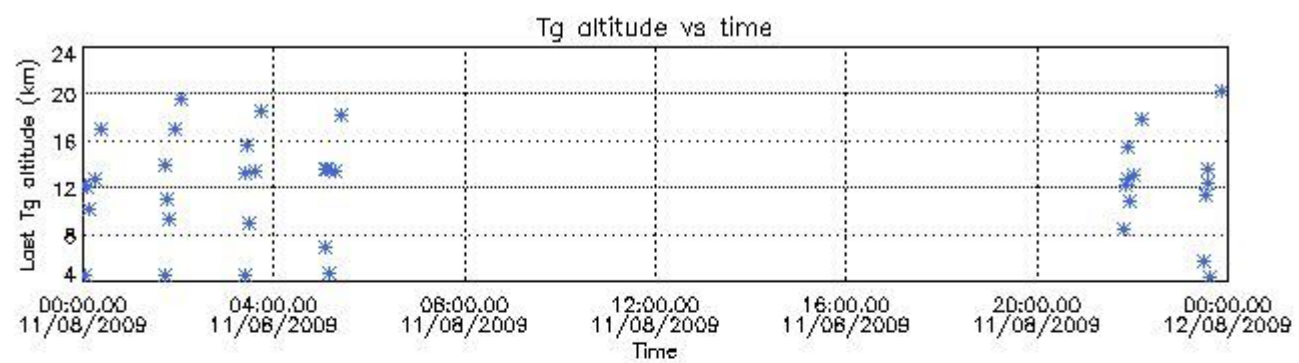
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	12.074	20.368	NaN
St. deviation:	4.4718	5.7813	NaN
Maximum:	20.229	40.702	NaN
Minimum:	4.2897	4.3774	NaN
Number of data:	37.000	69.000	NaN

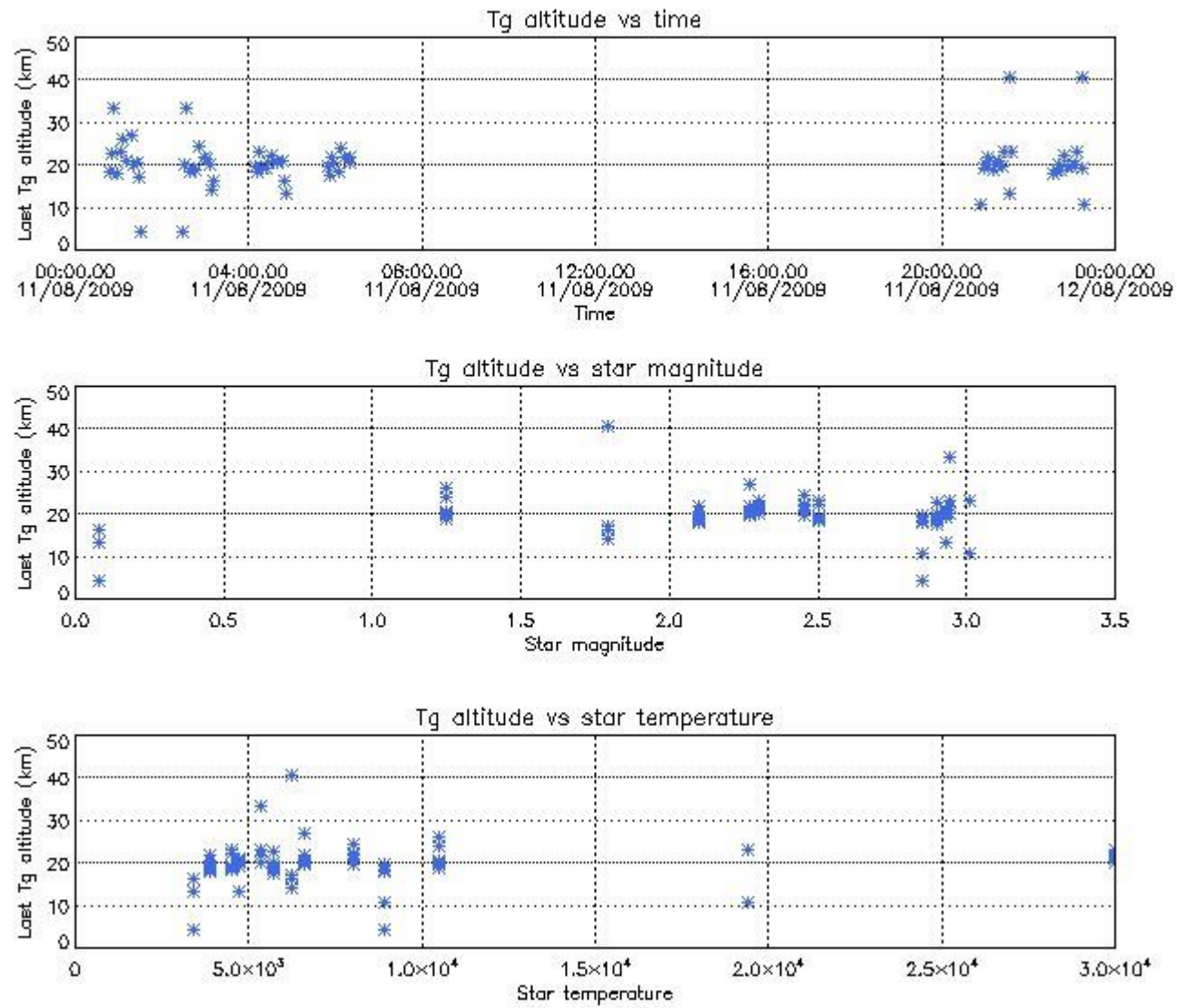
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost



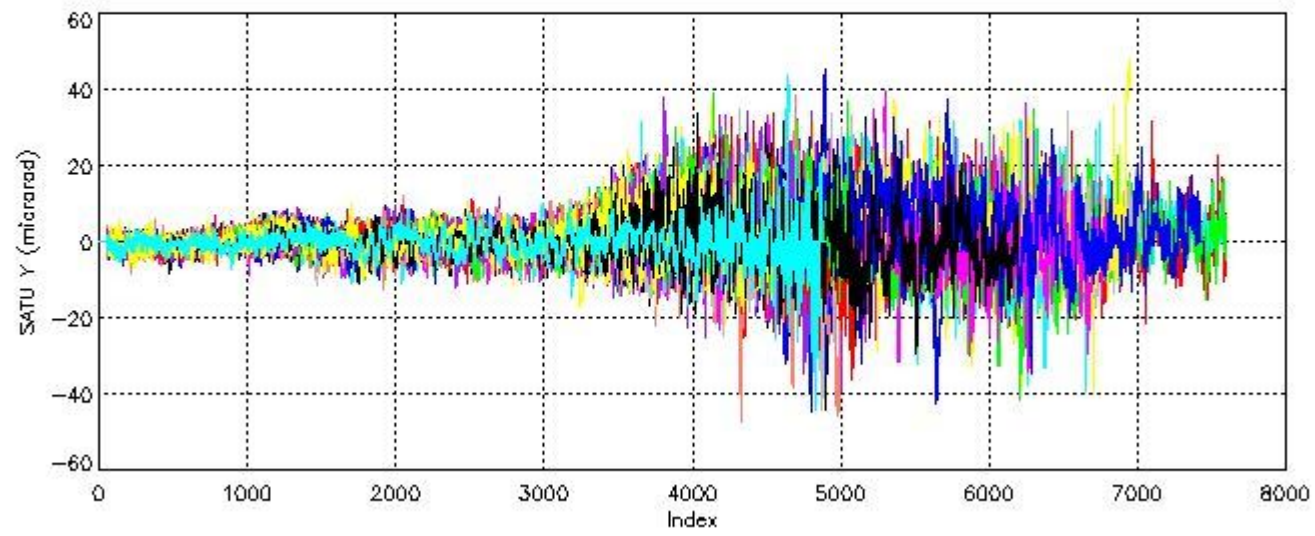
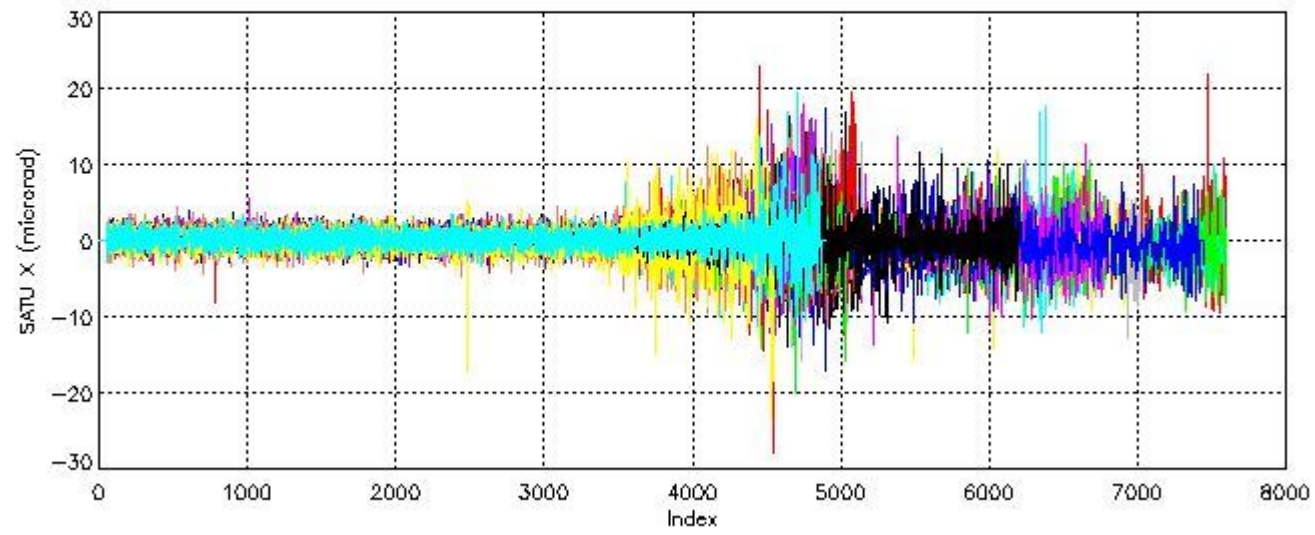
## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.18844	-0.50239	0.30448	-0.64675
St. deviation:	0.48204	1.2460	0.72596	1.4999
Maximum:	5.4000	6.7000	5.1000	9.1000
Minimum:	-8.2000	-9.2000	-4.9000	-8.3000

Number of data:	41950.	41950.	73650.	73650.
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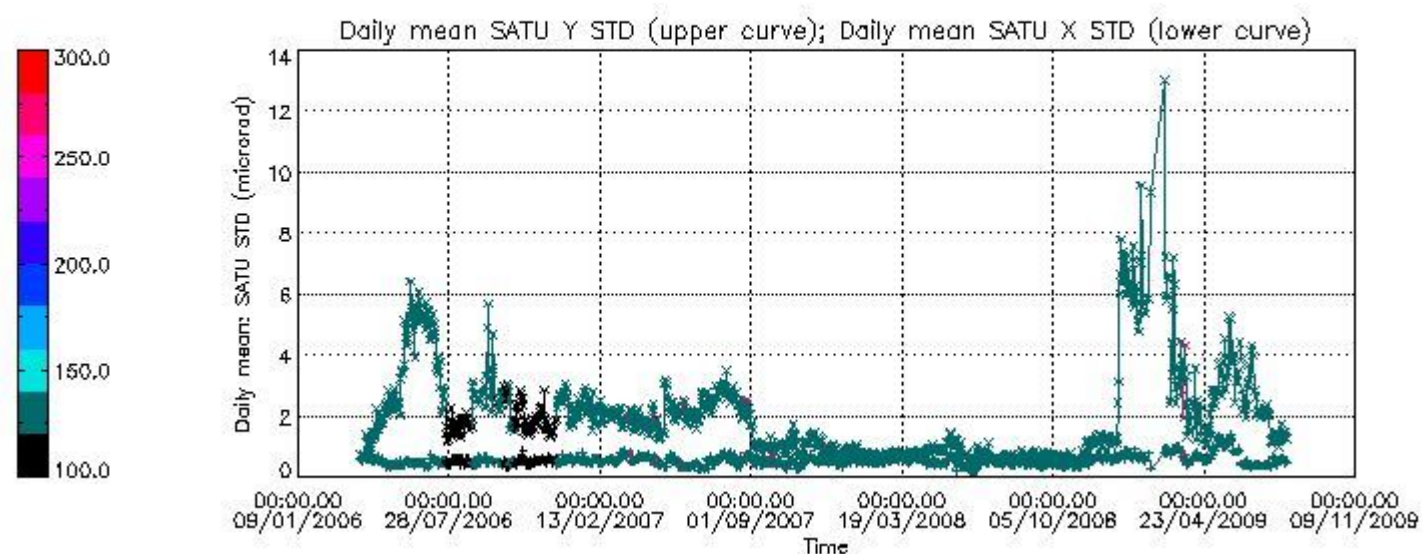
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

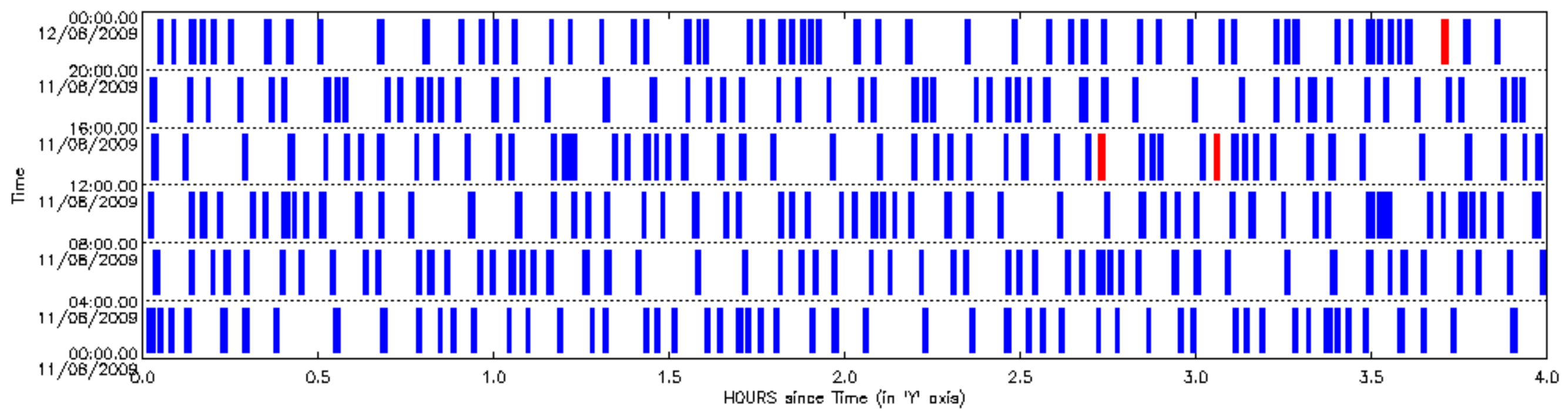
Lower curve: STD of SATU X axis



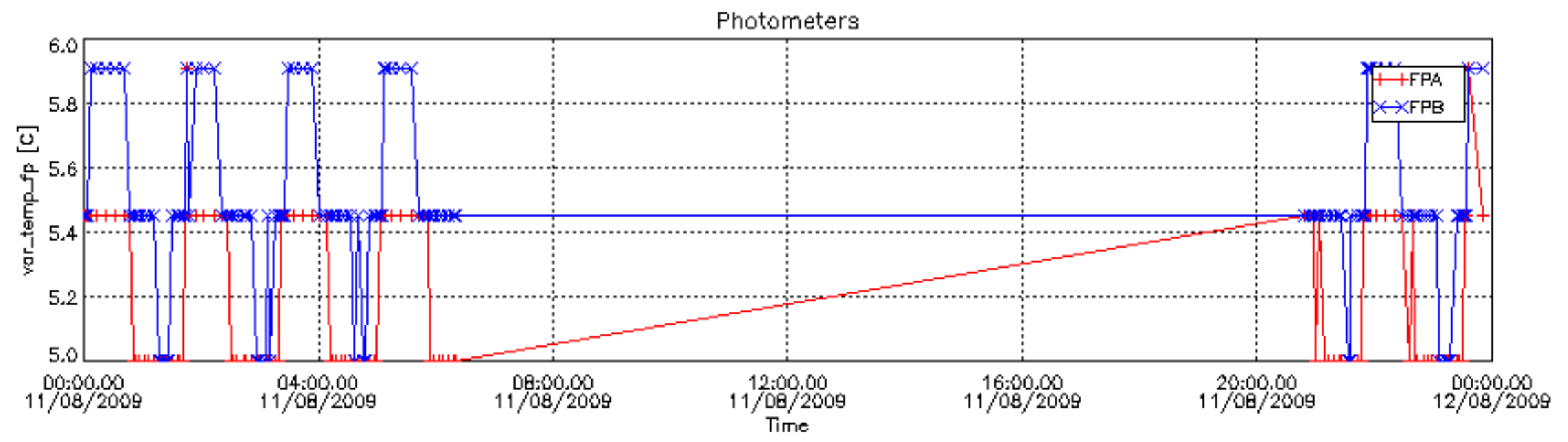
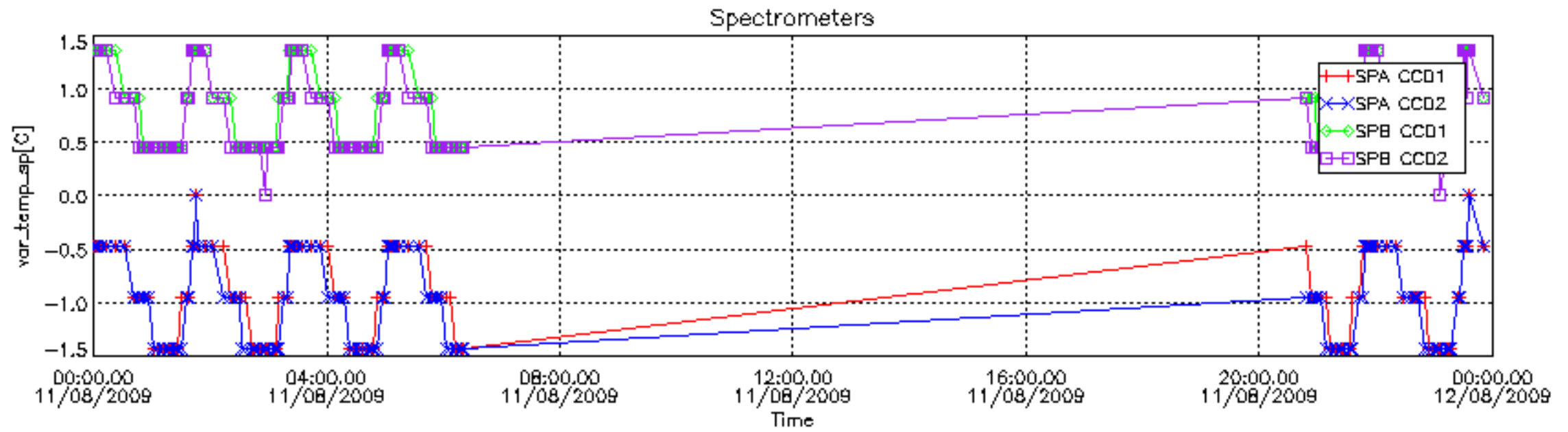
### 8. Auxiliary Data Files used for the production reported in section 2.4

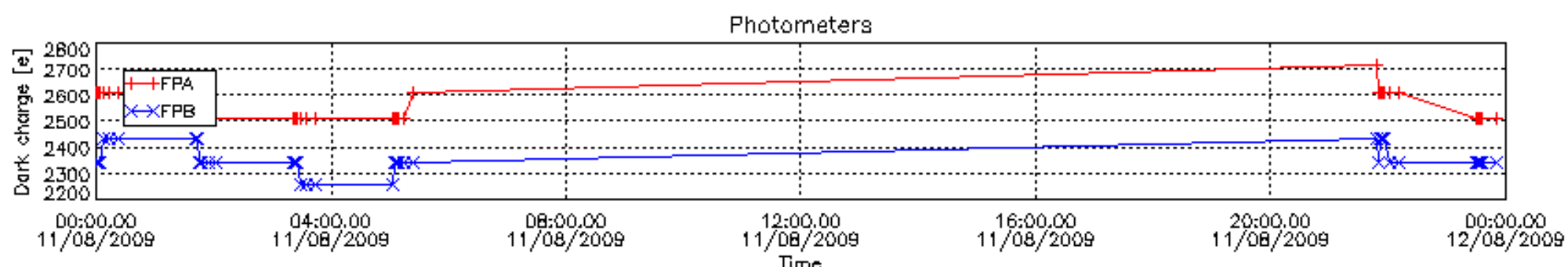
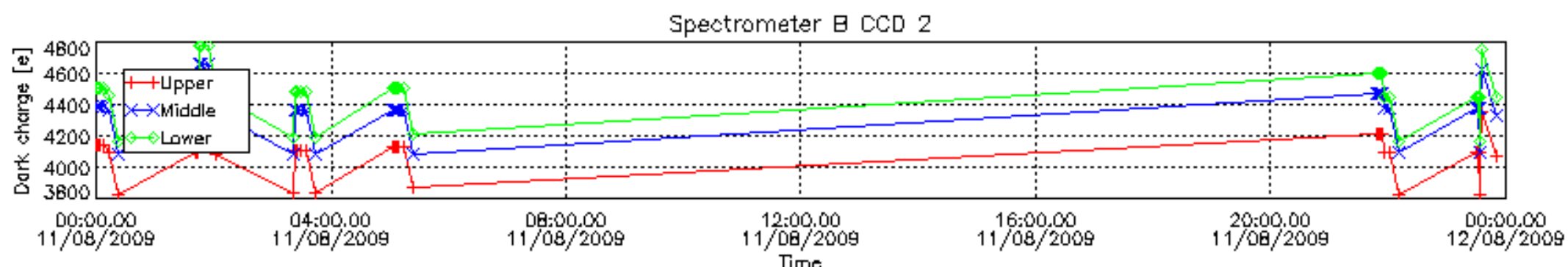
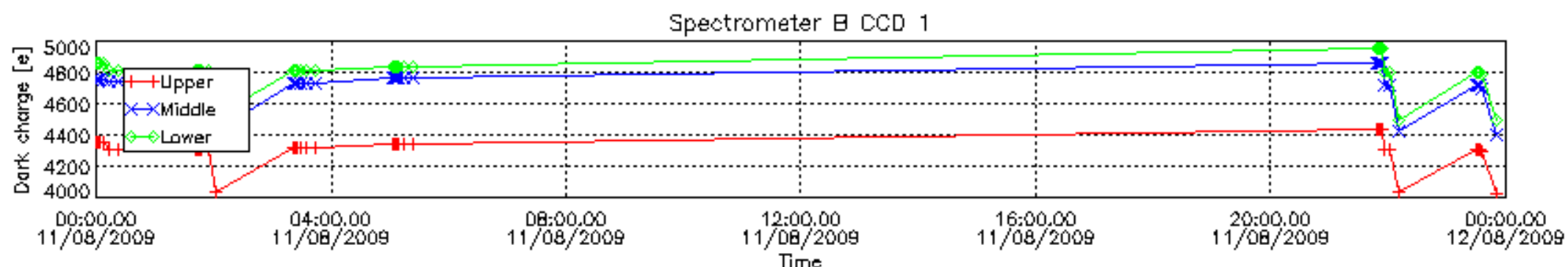
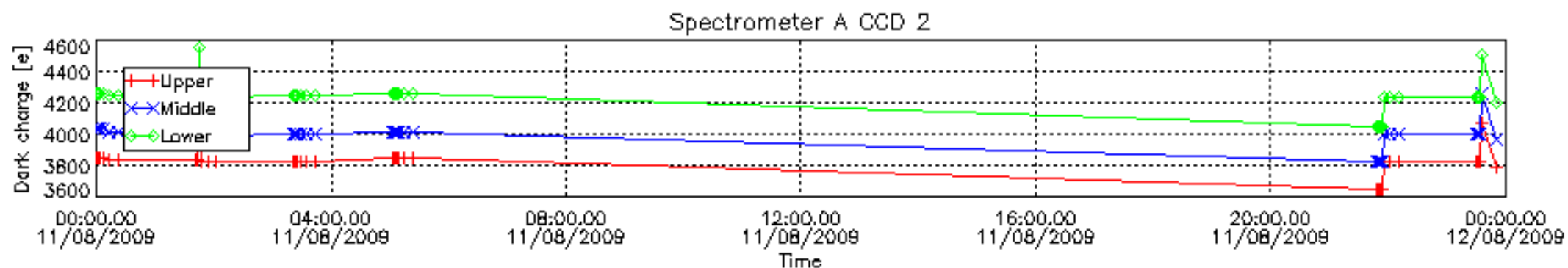
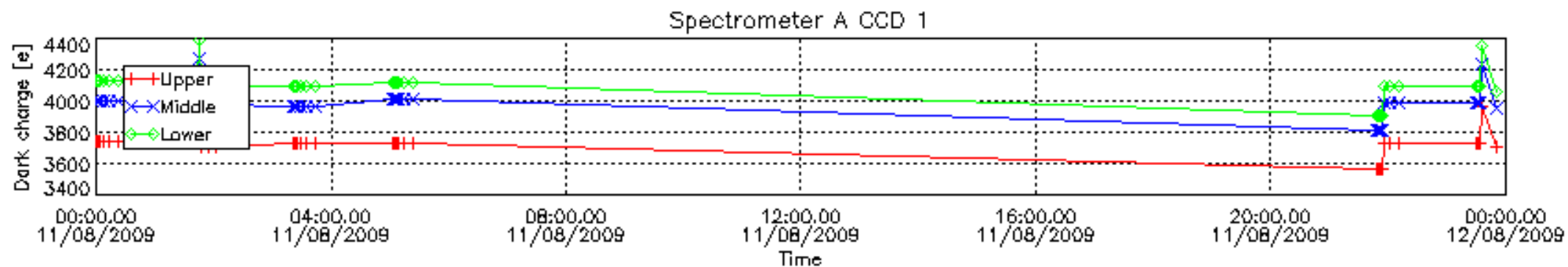
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

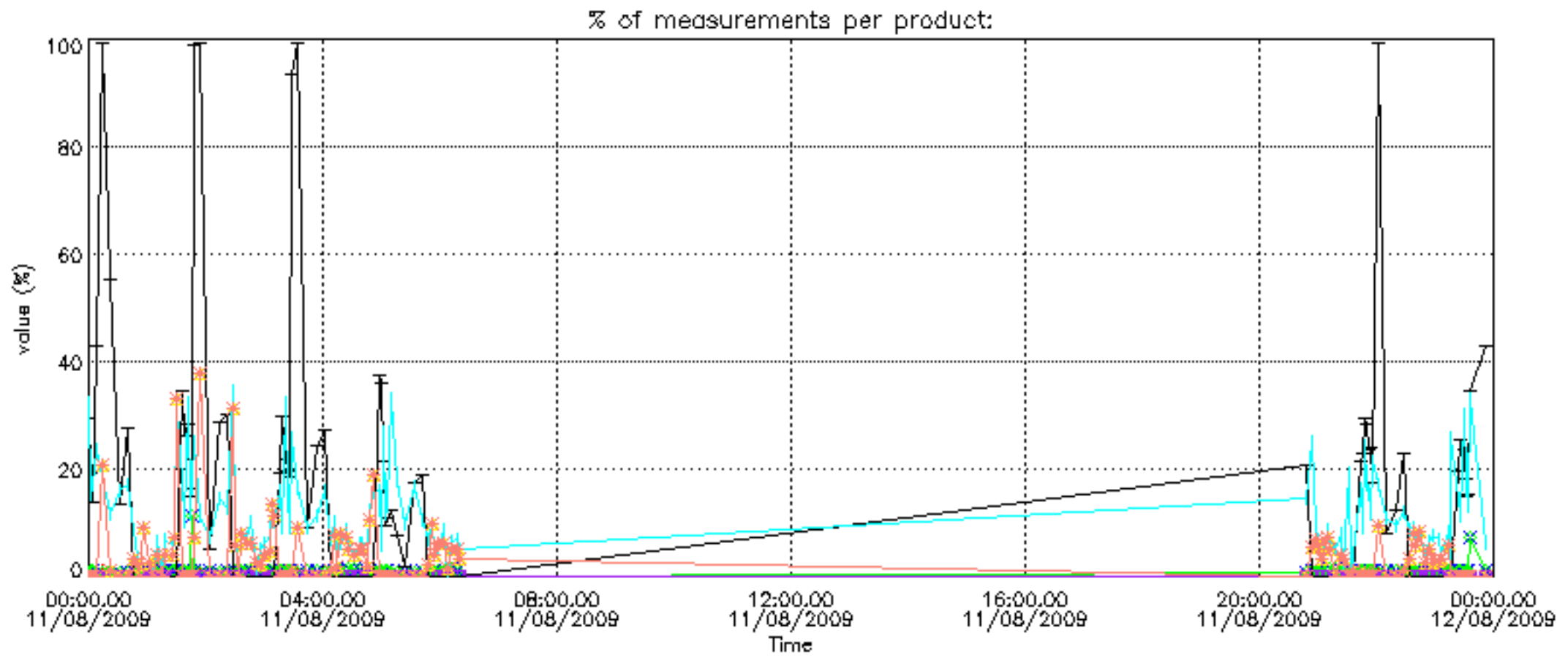
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	11-AUG-2009 00:00:40
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090806_083422_20090804_000000_20100101_000000	1	11-AUG-2009 00:00:40
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090811_154222_20090809_000000_20100101_000000	84	11-AUG-2009 20:47:55
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	11-AUG-2009 00:00:40
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	11-AUG-2009 00:00:40
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	11-AUG-2009 00:00:40
ECMWF_FILE	AUX_ECF_AXNECM20090810_064112_20090810_210000_20090811_090000	1	11-AUG-2009 00:00:40
ECMWF_FILE	AUX_ECF_AXNECM20090810_182113_20090811_030000_20090811_150000	40	11-AUG-2009 03:06:12
ECMWF_FILE	AUX_ECF_AXNECM20090811_062113_20090811_150000_20090812_030000	84	11-AUG-2009 20:47:55
ECMWF_FILE	AUX_ECF_AXNECM20090811_064112_20090811_210000_20090812_090000	103	11-AUG-2009 21:55:10
OPTIONAL_ECMWF_FILE	MISSING	1	11-AUG-2009 00:00:40
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090810_203755_000060572081_00300_38931_8529.N1	1	11-AUG-2009 00:00:40
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090810_222411_000057382081_00301_38932_8530.N1	5	11-AUG-2009 00:13:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090811_000508_000054192081_00302_38933_8531.N1	25	11-AUG-2009 01:45:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090811_014046_000047822081_00303_38934_8532.N1	40	11-AUG-2009 03:06:12
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090811_030547_000051012081_00304_38935_8533.N1	62	11-AUG-2009 04:46:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090811_203747_000041442081_00315_38946_8535.N1	84	11-AUG-2009 20:47:55
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090811_215210_000057382081_00315_38946_8536.N1	126	11-AUG-2009 23:35:46





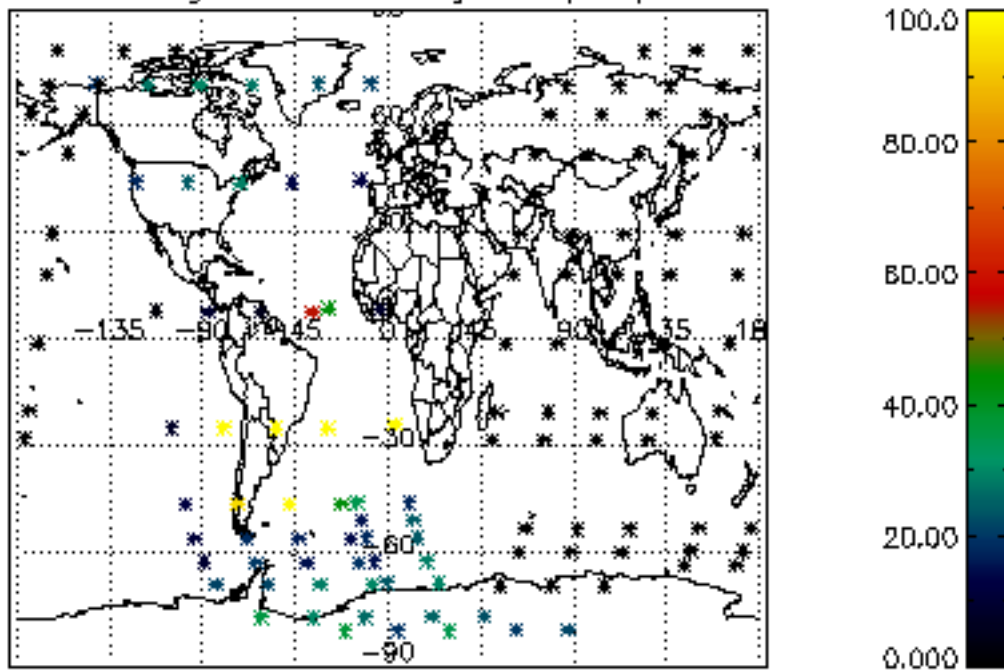




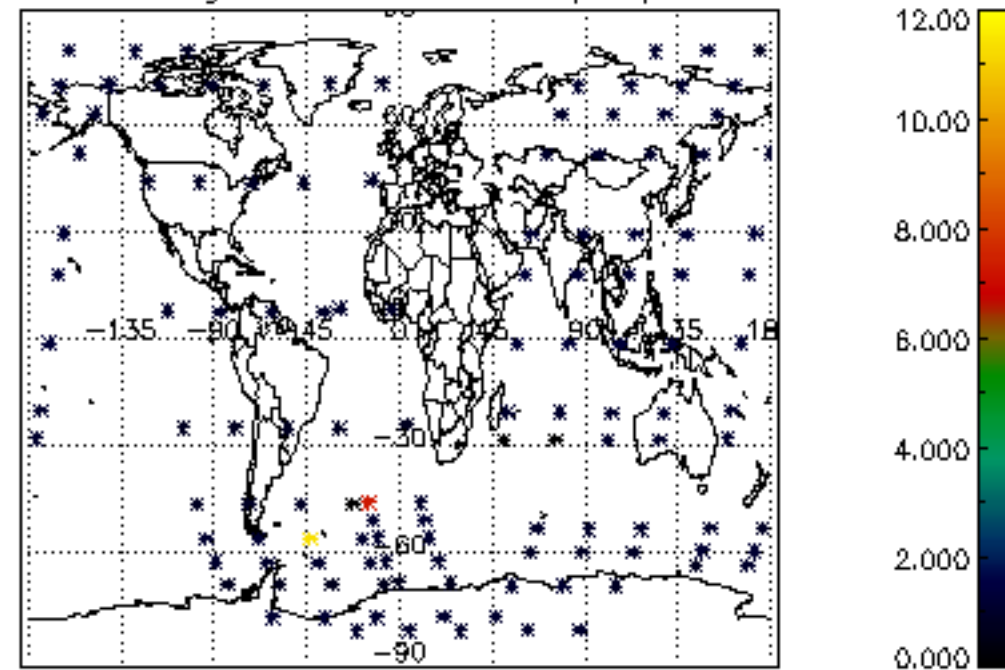




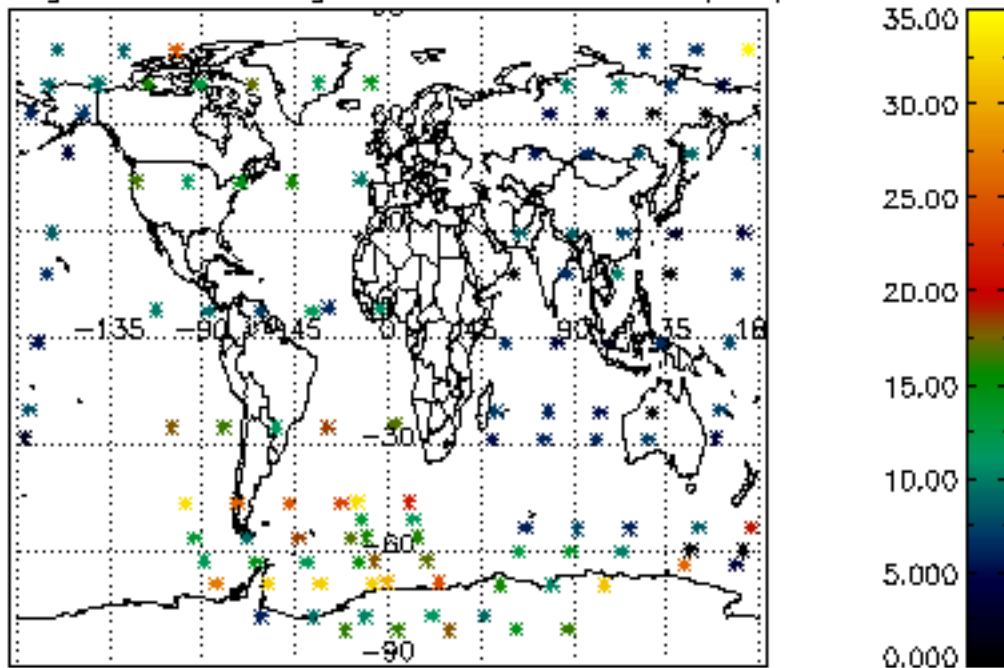
Percentage of cosmic ray hits per profile



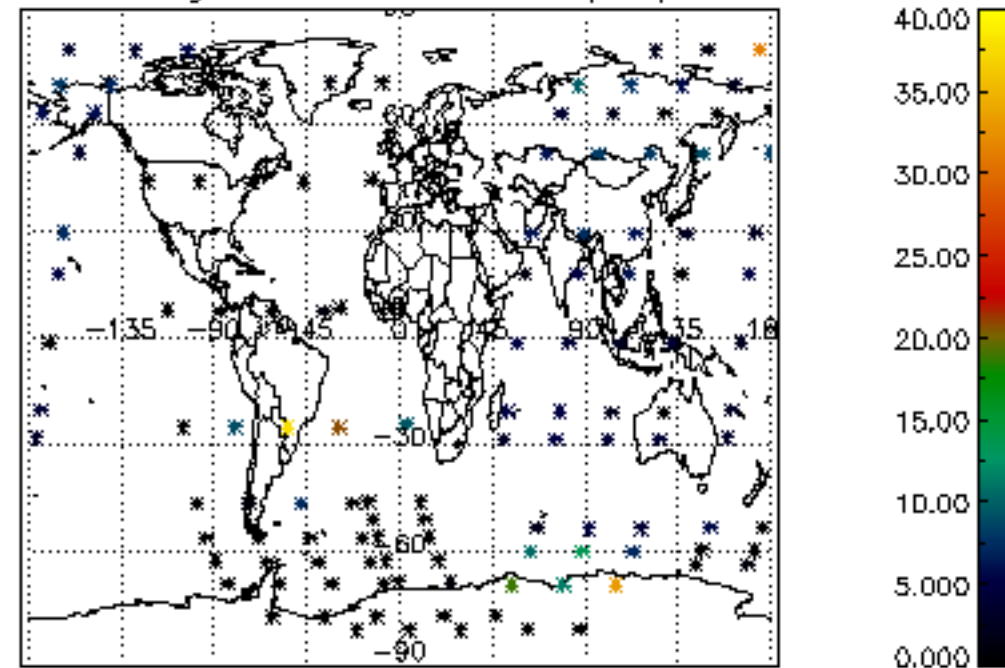
Percentage of datation errors per profile



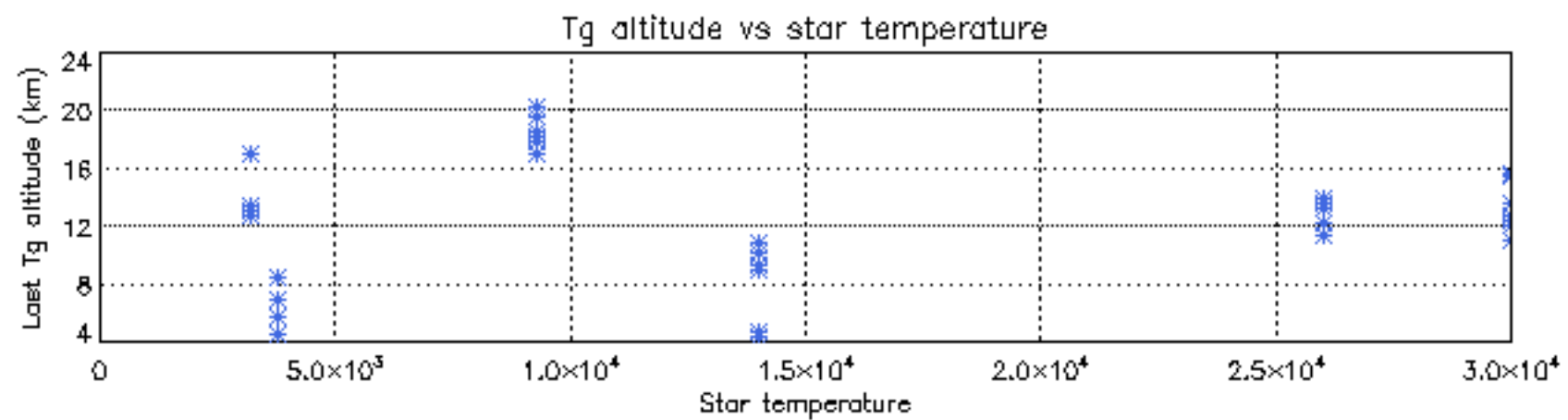
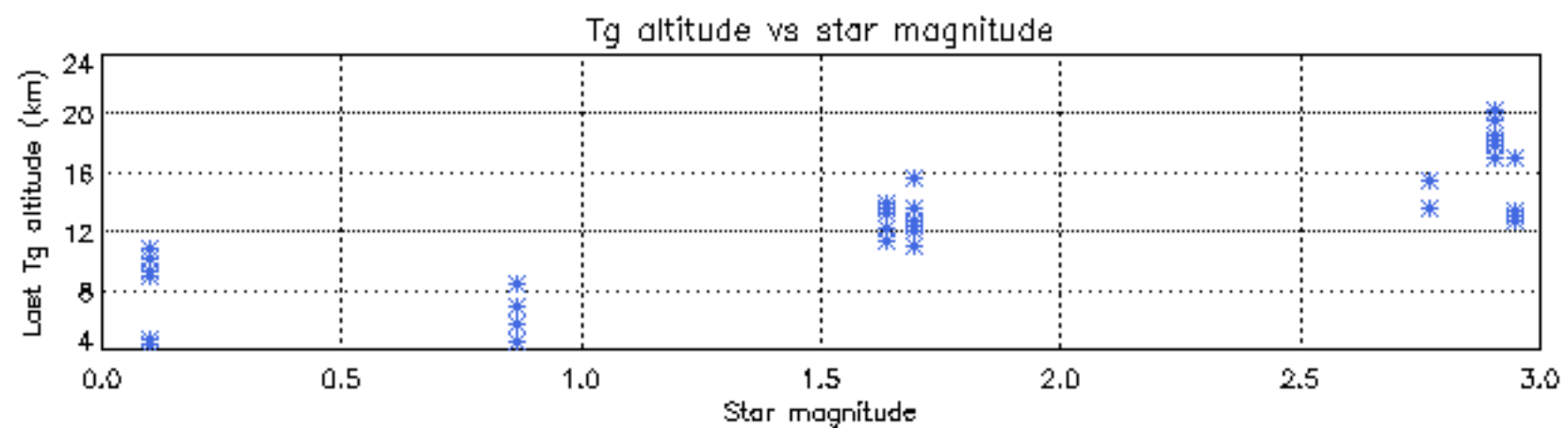
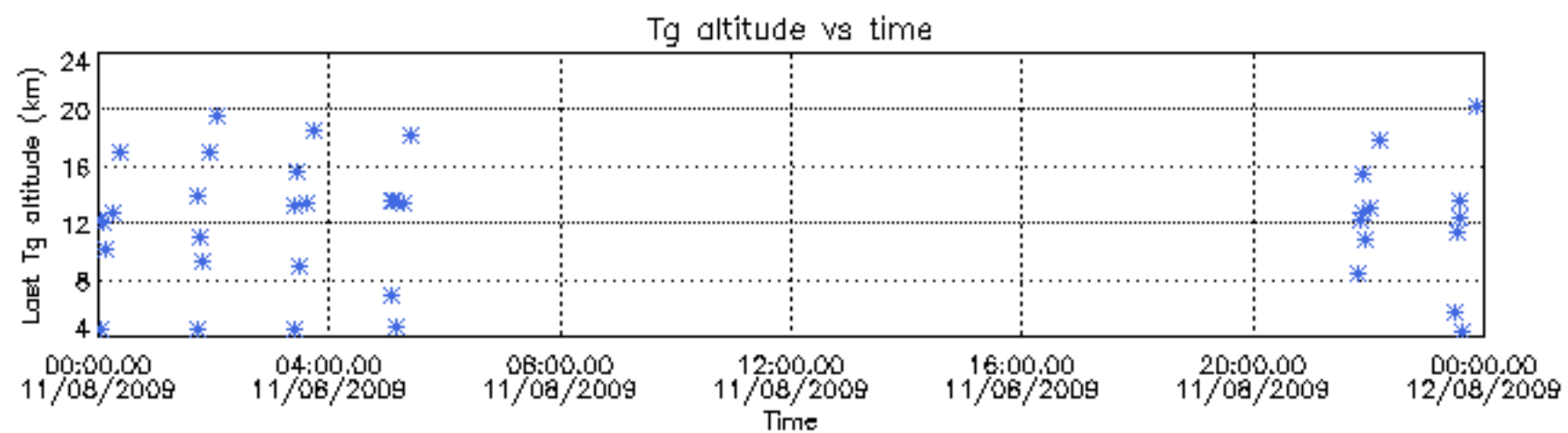
Percentage of star falling outside central band per profile



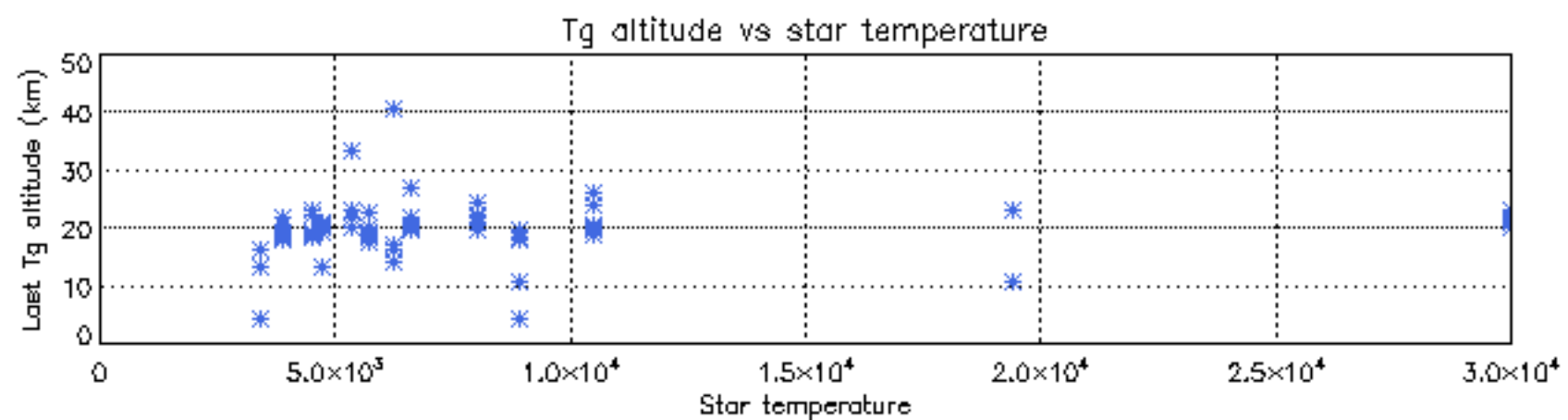
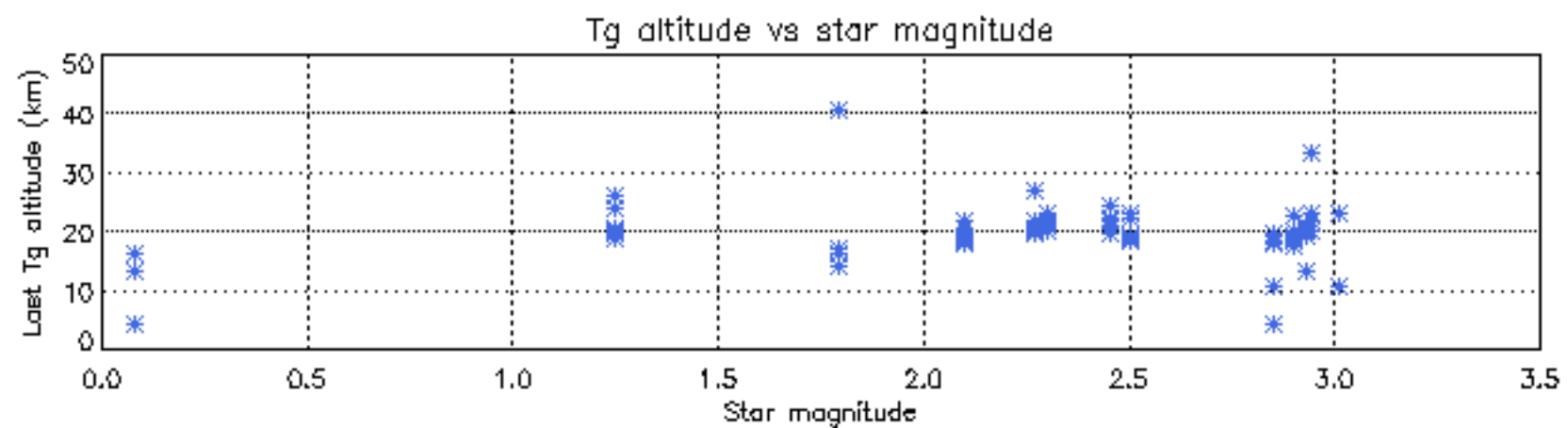
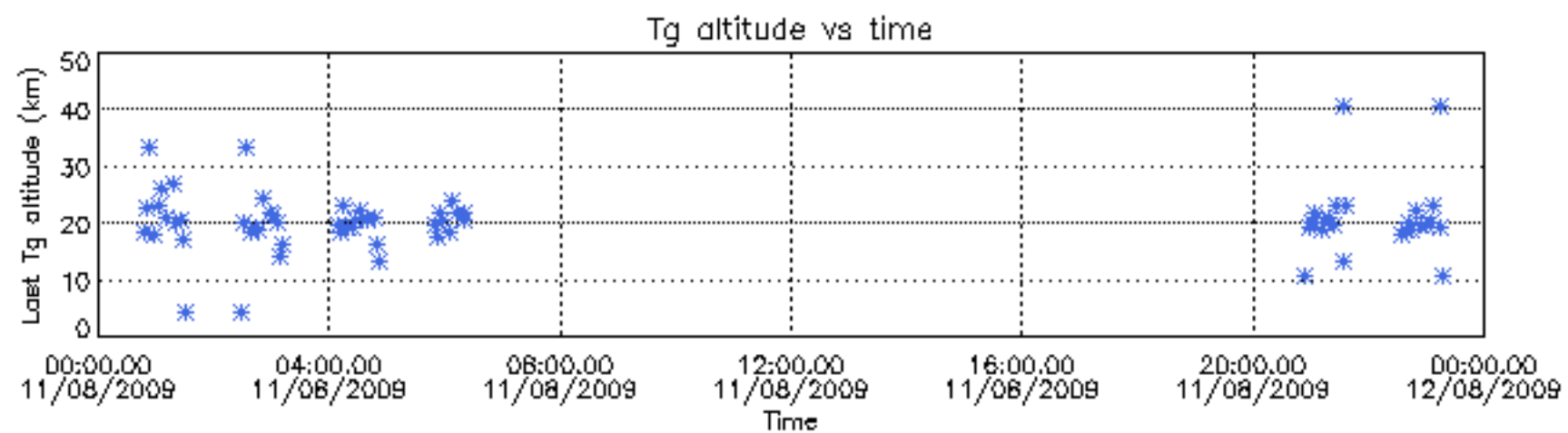
Percentage of saturation errors per profile



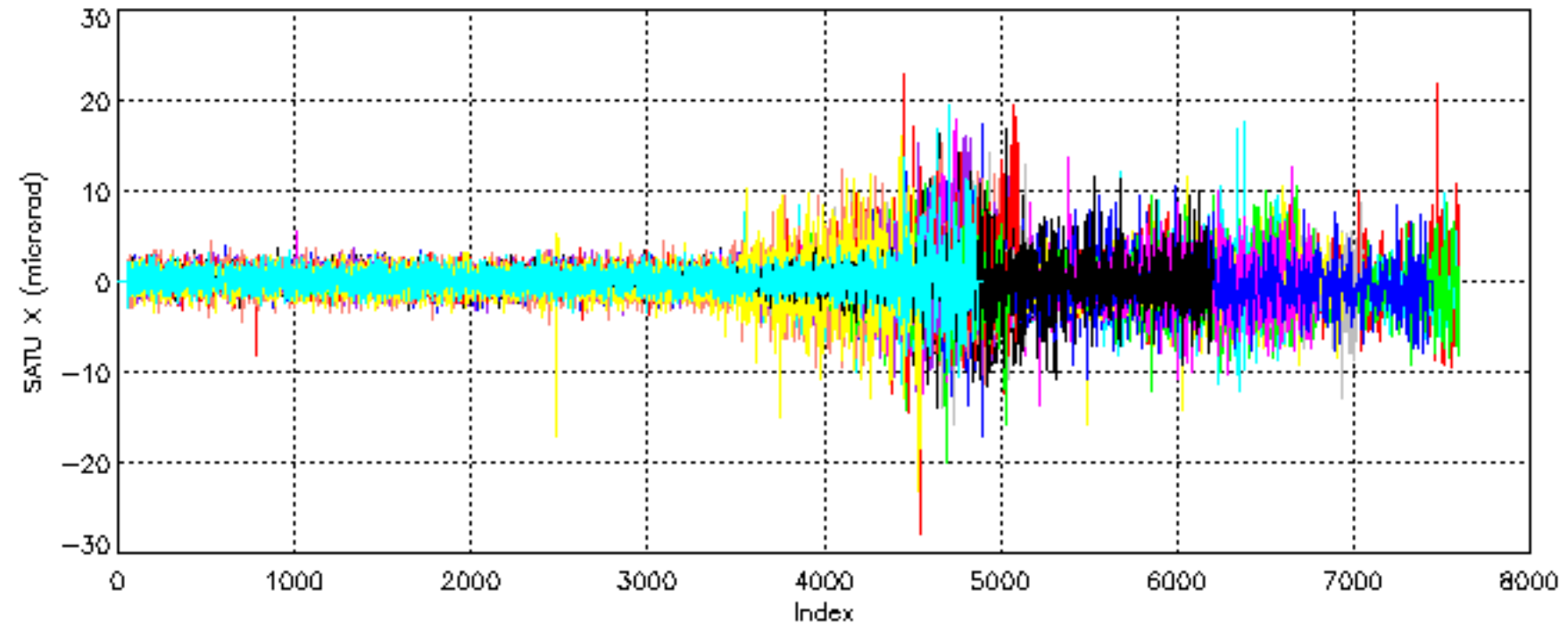
Tangent altitude at which the star is lost

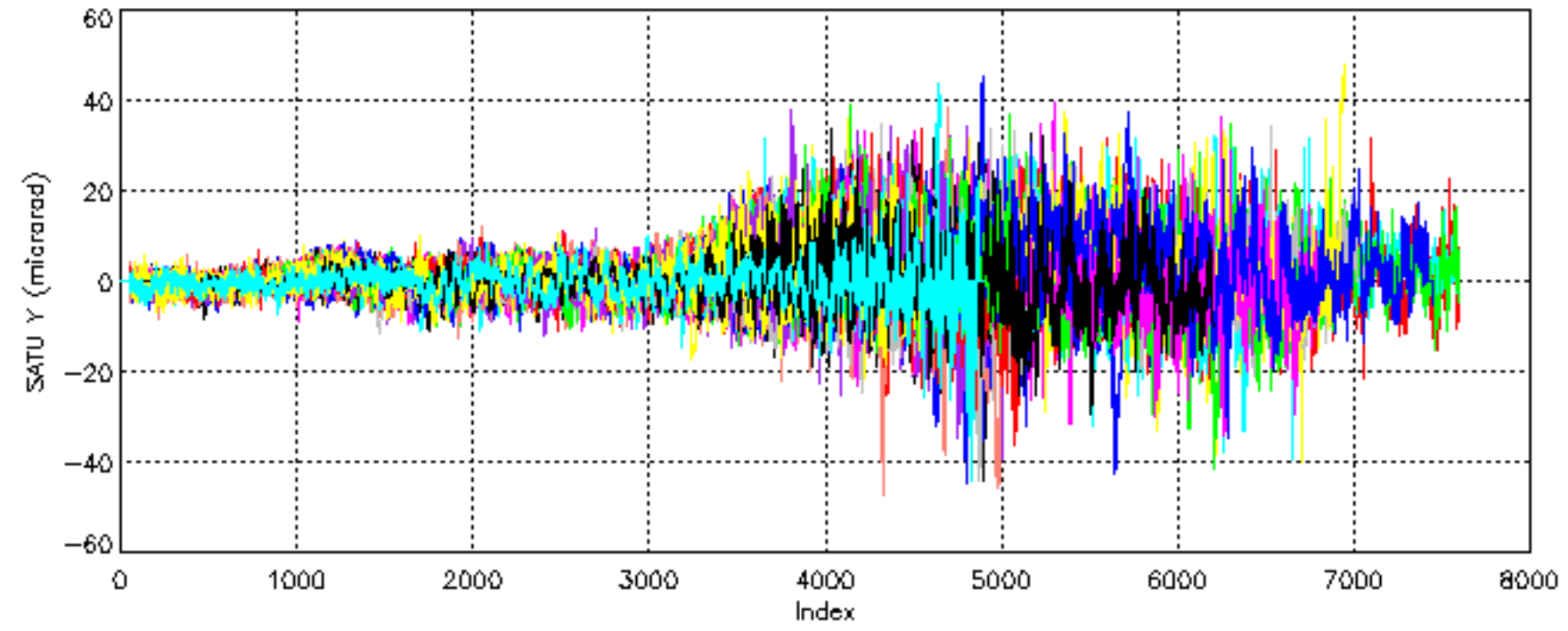


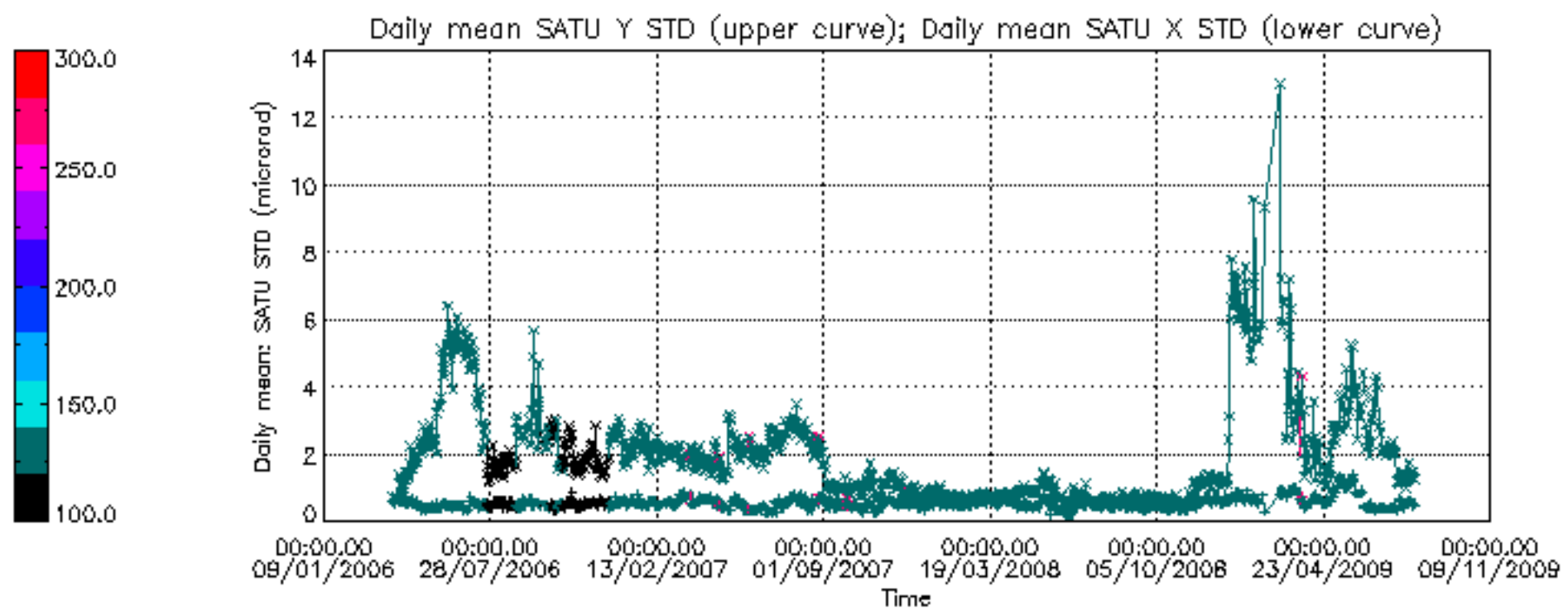
Tangent altitude at which the star is lost











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 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  
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 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  
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 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
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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
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 8; 3588.3; 01-AUG-2009 21:41:42; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38803
 9; 3974.8; 01-AUG-2009 21:48:08; Bright; 48.0; 160; 23Gam Per ; 2.93; 4700;occ; 96; 0;38803
10; 4075.3; 01-AUG-2009 21:49:49; Bright; 69.0; 35; 33Alp Per ; 1.79; 6250;occ; 138; 0;38803
11; 4315.0; 01-AUG-2009 21:53:48; Bright; 46.5; 149; 45Eps Per ; 2.89; 30000;occ; 93; 0;38803
12; 4503.1; 01-AUG-2009 21:56:56; Dark ; 55.5; 150; 44Zet Per ; 2.89; 28000;occ; 111; 0;38803
13; 4698.7; 01-AUG-2009 22:00:12; Dark ; 59.5; 146; 25Eta Tau ; 2.87; 15200;occ; 119; 0;38803
14; 4794.5; 01-AUG-2009 22:01:48; Dark ; 57.5; 13; 87Alp Tau ; 0.87; 3800;occ; 115; 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
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 9; 2572.8; 01-AUG-2009 23:05:22; Bright; 47.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 95; 0;38804
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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 8; 1820.9; 02-AUG-2009 00:33:26; Bright; 50.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 100; 0;38805
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11; 3085.1; 02-AUG-2009 00:54:30; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38805
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 3; 1576.8; 05-AUG-2009 20:42:18; Bright; 48.0; 142; 49Del Cap ; 2.85; 8900;occ; 96; 0;38860  
 4; 1811.5; 05-AUG-2009 20:46:13; Bright; 48.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 97; 0;38860  
 5; 2547.1; 05-AUG-2009 20:58:28; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38860  
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9; 2546.2; 06-AUG-2009 00:19:39; Bright; 60.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 120; 0;38862
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7; 3414.3; 06-AUG-2009 15:39:31; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38871
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11; 4053.5; 06-AUG-2009 17:30:46; Bright; 52.5; 35; 33Alp Per ; 1.79; 6250;occ; 105; 0;38872
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 3; 79.4; 08-AUG-2009 01:56:30; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;38892  
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 8; 1807.5; 08-AUG-2009 02:25:18; Bright; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;38892  
 9; 2162.7; 08-AUG-2009 02:31:13; Bright; 52.5; 61; 8Eps Peg ; 2.10; 3900;occ; 105; 0;38892  
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 9; -811.1; 08-AUG-2009 03:22:16; Dark ; 53.5; 7; 19Bet Ori ; 0.10; 14000;occ; 107; 0;38892  
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 17; 2162.2; 08-AUG-2009 04:11:49; Bright; 53.5; 61; 8Eps Peg ; 2.10; 3900;occ; 107; 0;38893  
 18; 2534.5; 08-AUG-2009 04:18:01; Bright; 41.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 82; 0;38893  
 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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 23; 3524.0; 08-AUG-2009 04:34:31; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38893

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 8;-1086.6; 08-AUG-2009 04:58:16; Dark ; 47.0; 27; 24Gam Ori ; 1.64; 26000;occ; 94; 0;38893  
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 11; 81.7; 08-AUG-2009 05:17:44; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38894  
 12; 698.3; 08-AUG-2009 05:28:01; Dark ; 61.0; 84; Alp Phe ; 2.40; 4500;occ; 122; 0;38894  
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 14; 1197.6; 08-AUG-2009 05:36:20; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38894  
 15; 1580.1; 08-AUG-2009 05:42:43; Bright; 66.0; 142; 49Del Cap ; 2.85; 8900;occ; 132; 0;38894  
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 18; 2534.0; 08-AUG-2009 05:58:37; Bright; 42.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 84; 0;38894  
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 23; 3523.4; 08-AUG-2009 06:15:06; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38894

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6; 2721.9; 08-AUG-2009 21:07:08; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;38903
7; 3047.8; 08-AUG-2009 21:12:34; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;38903
8; 3388.1; 08-AUG-2009 21:18:14; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38903
9; 3516.7; 08-AUG-2009 21:20:23; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38903
10; 3932.3; 08-AUG-2009 21:27:18; Bright; 74.0; 160; 23Gam Per ; 2.93; 4700;occ; 148; 0;38903
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13; 4308.0; 08-AUG-2009 21:33:34; Bright; 57.5; 149; 45Eps Per ; 2.89; 30000;occ; 115; 0;38903
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16; 4840.3; 08-AUG-2009 21:42:26; Dark ; 72.0; 13; 87Alp Tau ; 0.87; 3800;occ; 144; 0;38903
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4; 92.6; 08-AUG-2009 22:03:55; Dark ; 47.5; 157; The1Eri ; 2.91; 9300;occ; 95; 0;38904
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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9; 1806.3; 08-AUG-2009 22:32:28; Bright; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;38904
10; 2156.4; 08-AUG-2009 22:38:18; Bright; 52.0; 61; 8Eps Peg ; 2.10; 3900;occ; 104; 0;38904
11; 2530.5; 08-AUG-2009 22:44:33; Bright; 40.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 80; 0;38904
12; 2721.6; 08-AUG-2009 22:47:44; Bright; 57.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 114; 0;38904
13; 3047.5; 08-AUG-2009 22:53:10; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38904
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17; 4041.5; 08-AUG-2009 23:09:44; Bright; 57.0; 35; 33Alp Per ; 1.79; 6250;occ; 114; 0;38904
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21; 4665.8; 08-AUG-2009 23:20:08; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38904
22; 4840.9; 08-AUG-2009 23:23:03; Dark ; 62.5; 13; 87Alp Tau ; 0.87; 3800;occ; 125; 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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9; 4044.7; 08-AUG-2009 09:44:59; Bright; 55.5; 35; 33Alp Per ; 1.79; 6250;occ; 111; 0;38896
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11; 4308.7; 08-AUG-2009 11:29:59; Bright; 54.0; 149; 45Eps Per ; 2.89; 30000;occ; 108; 0;38897  
12; 4532.6; 08-AUG-2009 11:33:43; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38897  
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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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4; 2532.3; 08-AUG-2009 14:21:35; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38899  
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8; 3519.7; 08-AUG-2009 14:38:02; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38899  
9; 3934.3; 08-AUG-2009 14:44:57; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38899  
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11; 4200.1; 08-AUG-2009 14:49:22; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;38899  
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6; 3048.8; 08-AUG-2009 16:10:47; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38900
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8; 3518.9; 08-AUG-2009 16:18:37; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;38900
9; 3933.9; 08-AUG-2009 16:25:32; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;38900
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19; 4536.7; 10-AUG-2009 00:26:58; Dark ; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;38919  
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21; 4849.0; 10-AUG-2009 00:32:10; Dark ; 69.5; 13; 87Alp Tau ; 0.87; 3800;occ; 139; 0;38919  
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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4; 2528.7; 09-AUG-2009 08:48:06; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38910  
5; 2719.9; 09-AUG-2009 08:51:18; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;38910  
6; 3045.5; 09-AUG-2009 08:56:43; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;38910  
7; 3382.7; 09-AUG-2009 09:02:20; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38910  
8; 3511.5; 09-AUG-2009 09:04:29; Bright; 49.5; 76; 27Gam Cas ; 2.30; 30000;occ; 99; 0;38910  
9; 3928.8; 09-AUG-2009 09:11:26; Bright; 74.0; 160; 23Gam Per ; 2.93; 4700;occ; 148; 0;38910  
10; 4039.1; 09-AUG-2009 09:13:17; Bright; 56.5; 35; 33Alp Per ; 1.79; 6250;occ; 113; 0;38910  
11; 4199.7; 09-AUG-2009 09:15:57; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;38910  
12; 4307.6; 09-AUG-2009 09:17:45; Bright; 54.0; 149; 45Eps Per ; 2.89; 30000;occ; 108; 0;38910  
13; 4535.2; 09-AUG-2009 09:21:33; Dark ; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;38910  
14; 4667.5; 09-AUG-2009 09:23:45; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38910  
15; 4844.0; 09-AUG-2009 09:26:42; Dark ; 72.0; 13; 87Alp Tau ; 0.87; 3800;occ; 144; 0;38910  
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17; 5235.5; 09-AUG-2009 09:33:13; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;38910  
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3; 2528.3; 09-AUG-2009 10:28:42; Bright; 38.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 77; 0;38911



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8; 3928.5; 09-AUG-2009 10:52:02; Bright; 49.5; 160; 23Gam Per ; 2.93; 4700;occ; 99; 0;38911
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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5; 3044.8; 09-AUG-2009 12:17:54; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38912
6; 3381.2; 09-AUG-2009 12:23:31; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;38912
7; 3510.0; 09-AUG-2009 12:25:39; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;38912
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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11; 4307.2; 09-AUG-2009 12:38:57; Bright; 52.5; 149; 45Eps Per ; 2.89; 30000;occ; 105; 0;38912
12; 4535.5; 09-AUG-2009 12:42:45; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38912
13; 4668.2; 09-AUG-2009 12:44:58; Dark ; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;38912
14; 4845.2; 09-AUG-2009 12:47:55; Dark ; 62.5; 13; 87Alp Tau ; 0.87; 3800;occ; 125; 0;38912
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17; 5583.9; 09-AUG-2009 13:00:13; Dark ; 65.0; 165; 34Gam Eri ; 2.95; 3200;occ; 130; 0;38912
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5; 3044.6; 09-AUG-2009 13:58:30; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38913
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8; 3927.4; 09-AUG-2009 14:13:13; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38913
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10; 4199.6; 09-AUG-2009 14:17:45; Bright; 59.0; 6; 13Alp Aur ; 0.08; 3400;occ; 118; 0;38913
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12; 4535.8; 09-AUG-2009 14:23:21; Dark ; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;38913
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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 9; 3367.4; 10-AUG-2009 16:53:28; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38929
10; 3497.5; 10-AUG-2009 16:55:38; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;38929
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12; 4031.6; 10-AUG-2009 17:04:32; Bright; 52.0; 35; 33Alp Per ; 1.79; 6250;occ; 104; 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
 5; 2144.2; 10-AUG-2009 16:33:04; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38929
 6; 2522.5; 10-AUG-2009 16:39:23; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 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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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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18; 2140.9; 11-AUG-2009 04:17:12; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38936
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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
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22; 3361.1; 11-AUG-2009 06:18:09; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38937
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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  
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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  
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15; 3483.9; 11-AUG-2009 23:06:11; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38947  
16; 3910.2; 11-AUG-2009 23:13:17; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;38947  
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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3; 141.4; 11-AUG-2009 23:51:04; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38948  
4; 748.8; 12-AUG-2009 00:01:12; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;38948  
5; 1225.3; 12-AUG-2009 00:09:08; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38948  
6; 1585.7; 12-AUG-2009 00:15:09; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38948  
7; 1802.4; 12-AUG-2009 00:18:45; Bright; 59.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 119; 0;38948  
8; 1939.6; 12-AUG-2009 00:21:02; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38948  
9; 2135.7; 12-AUG-2009 00:24:18; Bright; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;38948  
10; 2516.8; 12-AUG-2009 00:30:40; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;38948  
11; 2708.9; 12-AUG-2009 00:33:52; Bright; 35.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 71; 0;38948  
12; 3033.3; 12-AUG-2009 00:39:16; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38948  
13; 3352.1; 12-AUG-2009 00:44:35; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;38948  
14; 3483.2; 12-AUG-2009 00:46:46; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;38948  
15; 3909.6; 12-AUG-2009 00:53:52; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38948  
16; 4023.4; 12-AUG-2009 00:55:46; Bright; 38.0; 35; 33Alp Per ; 1.79; 6250;occ; 76; 0;38948  
17; 4097.8; 12-AUG-2009 00:57:01; Bright; 75.0; 175; 39Del Per ; 3.01; 19400;occ; 150; 0;38948  
18; 4542.0; 12-AUG-2009 01:04:25; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;38948  
19; 4677.7; 12-AUG-2009 01:06:40; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38948  
20; 4865.5; 12-AUG-2009 01:09:48; Dark ; 78.0; 13; 87Alp Tau ; 0.87; 3800;occ; 156; 0;38948  
21; 4975.2; 12-AUG-2009 01:11:38; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;38948  
22; 5091.0; 12-AUG-2009 01:13:34; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38948  
23; 5174.4; 12-AUG-2009 01:14:57; Dark ; 45.0; 125; 44Iot Ori ; 2.77; 30000;occ; 90; 0;38948  
24; 5260.0; 12-AUG-2009 01:16:23; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;38948

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 2; -2007.8; 11-AUG-2009 06:29:16; Bright; 56.0; 35; 33Alp Per ; 1.79; 6250;occ; 112; 0;38937  
 3; -1837.6; 11-AUG-2009 06:32:06; Bright; 47.0; 6; 13Alp Aur ; 0.08; 3400;occ; 94; 0;38937  
 4; -1496.0; 11-AUG-2009 06:37:48; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38937  
 5; -1361.3; 11-AUG-2009 06:40:02; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38937  
 6; -1176.7; 11-AUG-2009 06:43:07; Dark ; 69.0; 13; 87Alp Tau ; 0.87; 3800;occ; 138; 0;38937  
 7; -1066.2; 11-AUG-2009 06:44:57; Dark ; 45.5; 27; 24Gam Ori ; 1.64; 26000;occ; 91; 0;38937  
 8; -950.5; 11-AUG-2009 06:46:53; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;38937  
 9; -783.2; 11-AUG-2009 06:49:40; Dark ; 54.0; 7; 19Bet Ori ; 0.10; 14000;occ; 108; 0;38937  
 10; -417.6; 11-AUG-2009 06:55:46; Dark ; 68.5; 165; 34Gam Eri ; 2.95; 3200;occ; 137; 0;38937  
 11; -186.5; 11-AUG-2009 06:59:37; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38937  
 12; 130.0; 11-AUG-2009 07:04:54; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38938  
 13; 740.0; 11-AUG-2009 07:15:04; Dark ; 62.5; 84; Alp Phe ; 2.40; 4500;occ; 125; 0;38938  
 14; 1220.4; 11-AUG-2009 07:23:04; Dark ; 57.5; 18; 24Alp PsA ; 1.17; 9700;occ; 115; 0;38938  
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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  
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 3; 2139.6; 11-AUG-2009 09:18:59; Bright; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;38939  
 4; 2519.4; 11-AUG-2009 09:25:19; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38939  
 5; 2711.1; 11-AUG-2009 09:28:31; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38939  
 6; 3036.1; 11-AUG-2009 09:33:56; Bright; 57.0; 89; 5Alp Cep ; 2.45; 8000;occ; 114; 0;38939  
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 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  
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 12; 4540.3; 11-AUG-2009 09:59:00; Dark ; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;38939  
 13; 4675.3; 11-AUG-2009 10:01:15; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38939  
 14; 4860.3; 11-AUG-2009 10:04:20; Dark ; 66.5; 13; 87Alp Tau ; 0.87; 3800;occ; 133; 0;38939  
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 17; 5254.1; 11-AUG-2009 10:10:54; Dark ; 53.0; 7; 19Bet Ori ; 0.10; 14000;occ; 106; 0;38939  
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 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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6; 3035.4; 11-AUG-2009 11:14:31; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;38940
7; 3358.5; 11-AUG-2009 11:19:54; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38940
8; 3489.3; 11-AUG-2009 11:22:05; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38940
9; 3913.7; 11-AUG-2009 11:29:09; Bright; 70.5; 160; 23Gam Per ; 2.93; 4700;occ; 141; 0;38940
10; 4026.9; 11-AUG-2009 11:31:02; Bright; 54.0; 35; 33Alp Per ; 1.79; 6250;occ; 108; 0;38940
11; 4100.5; 11-AUG-2009 11:32:16; Bright; 75.0; 175; 39Del Per ; 3.01; 19400;occ; 150; 0;38940
12; 4540.6; 11-AUG-2009 11:39:36; Dark ; 48.5; 28; 12Bet Tau ; 1.65; 15200;occ; 97; 0;38940
13; 4675.3; 11-AUG-2009 11:41:51; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38940
14; 4860.8; 11-AUG-2009 11:44:56; Dark ; 76.5; 13; 87Alp Tau ; 0.87; 3800;occ; 153; 0;38940
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16; 5086.9; 11-AUG-2009 11:48:42; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;38940
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4; 2138.3; 11-AUG-2009 14:20:45; Bright; 48.5; 61; 8Eps Peg ; 2.10; 3900;occ; 97; 0;38942
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6; 2710.6; 11-AUG-2009 14:30:18; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;38942
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 24; 3481.8; 12-AUG-2009 04:07:56; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;38950

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1; -2127.3; 12-AUG-2009 04:15:03; Bright; 54.5; 160; 23Gam Per ; 2.93; 4700;occ; 109; 0;38950  
 2; -2013.4; 12-AUG-2009 04:16:57; Bright; 33.0; 35; 33Alp Per ; 1.79; 6250;occ; 66; 0;38950  
 3; -1938.7; 12-AUG-2009 04:18:12; Bright; 76.0; 175; 39Del Per ; 3.01; 19400;occ; 152; 0;38950  
 4; -1493.6; 12-AUG-2009 04:25:37; Dark ; 46.0; 28; 12Bet Tau ; 1.65; 15200;occ; 92; 0;38950  
 5; -1357.6; 12-AUG-2009 04:27:53; Dark ; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;38950  
 6; -1168.9; 12-AUG-2009 04:31:02; Dark ; 68.0; 13; 87Alp Tau ; 0.87; 3800;occ; 136; 0;38950  
 7; -1059.7; 12-AUG-2009 04:32:51; Dark ; 49.5; 27; 24Gam Ori ; 1.64; 26000;occ; 99; 0;38950  
 8; -943.7; 12-AUG-2009 04:34:47; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;38950  
 9; -860.4; 12-AUG-2009 04:36:10; Dark ; 44.0; 125; 44Iot Ori ; 2.77; 30000;occ; 88; 0;38950  
 10; -774.4; 12-AUG-2009 04:37:36; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;38950  
 11; -398.7; 12-AUG-2009 04:43:52; Dark ; 55.0; 165; 34Gam Eri ; 2.95; 3200;occ; 110; 0;38950  
 12; -174.9; 12-AUG-2009 04:47:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38950  
 13; 145.0; 12-AUG-2009 04:52:56; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38951  
 14; 751.7; 12-AUG-2009 05:03:02; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;38951  
 15; 1226.6; 12-AUG-2009 05:10:57; Dark ; 56.0; 18; 24Alp PsA ; 1.17; 9700;occ; 112; 0;38951  
 16; 1585.9; 12-AUG-2009 05:16:56; Bright; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;38951  
 17; 1802.5; 12-AUG-2009 05:20:33; Bright; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;38951  
 18; 1938.7; 12-AUG-2009 05:22:49; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38951  
 19; 2134.5; 12-AUG-2009 05:26:05; Bright; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;38951  
 20; 2516.2; 12-AUG-2009 05:32:27; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38951  
 21; 2708.2; 12-AUG-2009 05:35:39; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38951  
 22; 3032.4; 12-AUG-2009 05:41:03; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38951  
 23; 3349.8; 12-AUG-2009 05:46:20; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38951  
 24; 3481.0; 12-AUG-2009 05:48:32; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38951

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1; -2127.9; 12-AUG-2009 05:55:39; Bright; 66.0; 160; 23Gam Per ; 2.93; 4700;occ; 132; 0;38951  
 2; -2013.9; 12-AUG-2009 05:57:33; Bright; 33.0; 35; 33Alp Per ; 1.79; 6250;occ; 66; 0;38951

3; -1939.1; 12-AUG-2009 05:58:47; Bright; 56.5; 175; 39Del Per ; 3.01; 19400;occ; 113; 0;38951  
4; -1493.4; 12-AUG-2009 06:06:13; Dark ; 49.5; 28; 12Bet Tau ; 1.65; 15200;occ; 99; 0;38951  
5; -1357.4; 12-AUG-2009 06:08:29; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38951  
6; -1168.3; 12-AUG-2009 06:11:38; Dark ; 78.0; 13; 87Alp Tau ; 0.87; 3800;occ; 156; 0;38951  
7; -1059.2; 12-AUG-2009 06:13:27; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;38951  
8; -943.2; 12-AUG-2009 06:15:23; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38951  
9; -859.9; 12-AUG-2009 06:16:47; Dark ; 43.5; 125; 44Iot Ori ; 2.77; 30000;occ; 87; 0;38951  
10; -773.7; 12-AUG-2009 06:18:13; Dark ; 49.5; 7; 19Bet Ori ; 0.10; 14000;occ; 99; 0;38951  
11; -397.2; 12-AUG-2009 06:24:29; Dark ; 55.0; 165; 34Gam Eri ; 2.95; 3200;occ; 110; 0;38951  
12; -174.0; 12-AUG-2009 06:28:13; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38951  
13; 146.1; 12-AUG-2009 06:33:33; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38952  
14; 752.7; 12-AUG-2009 06:43:39; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38952  
15; 1227.2; 12-AUG-2009 06:51:34; Dark ; 55.5; 18; 24Alp PsA ; 1.17; 9700;occ; 111; 0;38952  
16; 1586.1; 12-AUG-2009 06:57:33; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38952  
17; 1802.5; 12-AUG-2009 07:01:09; Bright; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;38952  
18; 1938.3; 12-AUG-2009 07:03:25; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38952  
19; 2134.1; 12-AUG-2009 07:06:41; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38952  
20; 2515.8; 12-AUG-2009 07:13:02; Bright; 40.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 80; 0;38952  
21; 2707.8; 12-AUG-2009 07:16:14; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38952  
22; 3032.0; 12-AUG-2009 07:21:39; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38952  
23; 3349.0; 12-AUG-2009 07:26:56; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;38952  
24; 3480.3; 12-AUG-2009 07:29:07; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38952

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1; 1230.9; 12-AUG-2009 20:16:25; Dark ; 55.5; 18; 24Alp PsA ; 1.17; 9700;occ; 111; 0;38960  
2; 1587.0; 12-AUG-2009 20:22:21; Bright; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;38960  
3; 1802.0; 12-AUG-2009 20:25:56; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38960  
4; 1935.7; 12-AUG-2009 20:28:10; Bright; 50.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 100; 0;38960  
5; 2130.9; 12-AUG-2009 20:31:25; Bright; 45.0; 61; 8Eps Peg ; 2.10; 3900;occ; 90; 0;38960  
6; 2513.8; 12-AUG-2009 20:37:48; Bright; 37.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 75; 0;38960  
7; 3029.5; 12-AUG-2009 20:46:24; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38960  
8; 3342.5; 12-AUG-2009 20:51:36; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38960  
9; 3474.2; 12-AUG-2009 20:53:48; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38960  
10; 3903.1; 12-AUG-2009 21:00:57; Bright; 53.5; 160; 23Gam Per ; 2.93; 4700;occ; 107; 0;38960  
11; 4093.6; 12-AUG-2009 21:04:08; Bright; 47.5; 175; 39Del Per ; 3.01; 19400;occ; 95; 0;38960  
12; 4197.0; 12-AUG-2009 21:05:51; Bright; 51.0; 6; 13Alp Aur ; 0.08; 3400;occ; 102; 0;38960  
13; 4544.2; 12-AUG-2009 21:11:38; Dark ; 52.0; 28; 12Bet Tau ; 1.65; 15200;occ; 104; 0;38960  
14; 4681.2; 12-AUG-2009 21:13:55; Dark ; 47.0; 176; 23Zet Tau ; 3.02; 22000;occ; 94; 0;38960  
15; 4873.1; 12-AUG-2009 21:17:07; Dark ; 76.5; 13; 87Alp Tau ; 0.87; 3800;occ; 153; 0;38960  
16; 4981.3; 12-AUG-2009 21:18:55; Dark ; 46.5; 27; 24Gam Ori ; 1.64; 26000;occ; 93; 0;38960  
17; 5097.3; 12-AUG-2009 21:20:51; Dark ; 45.5; 30; 46Eps Ori ; 1.69; 30000;occ; 91; 0;38960  
18; 5181.2; 12-AUG-2009 21:22:15; Dark ; 44.5; 125; 44Iot Ori ; 2.77; 30000;occ; 89; 0;38960  
19; 5268.2; 12-AUG-2009 21:23:42; Dark ; 47.0; 7; 19Bet Ori ; 0.10; 14000;occ; 94; 0;38960

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1; -767.6; 12-AUG-2009 21:23:42; Dark ; 57.5; 7; 19Bet Ori ; 0.10; 14000;occ; 115; 0;38960  
2; -165.8; 12-AUG-2009 21:33:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38960  
3; 156.3; 12-AUG-2009 21:39:06; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;38961  
4; 760.6; 12-AUG-2009 21:49:10; Dark ; 60.5; 84; Alp Phe ; 2.40; 4500;occ; 121; 0;38961  
5; 1231.7; 12-AUG-2009 21:57:02; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;38961  
6; 1587.1; 12-AUG-2009 22:02:57; Bright; 62.0; 142; 49Del Cap ; 2.85; 8900;occ; 124; 0;38961  
7; 1802.1; 12-AUG-2009 22:06:32; Bright; 43.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 86; 0;38961  
8; 1935.6; 12-AUG-2009 22:08:45; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38961  
9; 2130.4; 12-AUG-2009 22:12:00; Bright; 68.0; 61; 8Eps Peg ; 2.10; 3900;occ; 136; 0;38961  
10; 2513.4; 12-AUG-2009 22:18:23; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38961  
11; 3029.2; 12-AUG-2009 22:26:59; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38961  
12; 3341.9; 12-AUG-2009 22:32:12; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;38961  
13; 3473.5; 12-AUG-2009 22:34:23; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;38961  
14; 3902.5; 12-AUG-2009 22:41:32; Bright; 52.0; 160; 23Gam Per ; 2.93; 4700;occ; 104; 0;38961  
15; 4093.2; 12-AUG-2009 22:44:43; Bright; 51.5; 175; 39Del Per ; 3.01; 19400;occ; 103; 0;38961  
16; 4196.8; 12-AUG-2009 22:46:27; Bright; 48.0; 6; 13Alp Aur ; 0.08; 3400;occ; 96; 0;38961  
17; 4544.4; 12-AUG-2009 22:52:14; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38961  
18; 4681.3; 12-AUG-2009 22:54:31; Dark ; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;38961  
19; 4873.6; 12-AUG-2009 22:57:44; Dark ; 72.5; 13; 87Alp Tau ; 0.87; 3800;occ; 145; 0;38961  
20; 4981.8; 12-AUG-2009 22:59:32; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;38961  
21; 5097.9; 12-AUG-2009 23:01:28; Dark ; 50.0; 30; 46Eps Ori ; 1.69; 30000;occ; 100; 0;38961  
22; 5181.6; 12-AUG-2009 23:02:52; Dark ; 44.0; 125; 44Iot Ori ; 2.77; 30000;occ; 88; 0;38961  
23; 5269.0; 12-AUG-2009 23:04:19; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;38961

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1; -766.9; 12-AUG-2009 23:04:19; Dark ; 63.0; 7; 19Bet Ori ; 0.10; 14000;occ; 126; 0;38961



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

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

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1; 1802.3; 12-AUG-2009 08:41:45; Bright; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;38953  
2; 1937.9; 12-AUG-2009 08:44:00; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38953  
3; 2133.6; 12-AUG-2009 08:47:16; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38953  
4; 2515.6; 12-AUG-2009 08:53:38; Bright; 42.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 85; 0;38953  
5; 2707.6; 12-AUG-2009 08:56:50; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;38953  
6; 3031.6; 12-AUG-2009 09:02:14; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38953  
7; 3348.1; 12-AUG-2009 09:07:31; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38953  
8; 3479.6; 12-AUG-2009 09:09:42; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;38953  
9; 3907.0; 12-AUG-2009 09:16:49; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38953  
10; 4021.3; 12-AUG-2009 09:18:44; Bright; 29.0; 35; 33Alp Per ; 1.79; 6250;occ; 58; 0;38953  
11; 4096.2; 12-AUG-2009 09:19:59; Bright; 49.0; 175; 39Del Per ; 3.01; 19400;occ; 98; 0;38953  
12; 4542.9; 12-AUG-2009 09:27:25; Dark ; 50.0; 28; 12Bet Tau ; 1.65; 15200;occ; 100; 0;38953  
13; 4679.3; 12-AUG-2009 09:29:42; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38953  
14; 4868.7; 12-AUG-2009 09:32:51; Dark ; 70.5; 13; 87Alp Tau ; 0.87; 3800;occ; 141; 0;38953  
15; 4977.8; 12-AUG-2009 09:34:40; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;38953  
16; 5093.7; 12-AUG-2009 09:36:36; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;38953  
17; 5177.0; 12-AUG-2009 09:38:00; Dark ; 42.0; 125; 44Iot Ori ; 2.77; 30000;occ; 84; 0;38953  
18; 5263.5; 12-AUG-2009 09:39:26; Dark ; 53.0; 7; 19Bet Ori ; 0.10; 14000;occ; 106; 0;38953  
19; 5641.7; 12-AUG-2009 09:45:44; Dark ; 49.0; 165; 34Gam Eri ; 2.95; 3200;occ; 98; 0;38953  
20; 5863.7; 12-AUG-2009 09:49:26; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38953  
21; 6184.3; 12-AUG-2009 09:54:47; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38953  
22; 6790.2; 12-AUG-2009 10:04:53; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;38953  
23; 7264.1; 12-AUG-2009 10:12:47; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;38953  
24; 7622.0; 12-AUG-2009 10:18:45; Bright; 62.5; 142; 49Del Cap ; 2.85; 8900;occ; 125; 0;38953

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6; 2514.2; 12-AUG-2009 17:16:36; Bright; 38.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 77; 0;38958
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9; 4195.4; 14-AUG-2009 11:39:36; Bright; 46.0; 6; 13Alp Aur ; 0.08; 3400;occ; 92; 0;38983

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12;	4687.6;	14-AUG-2009	11:47:48;	Dark	;	42.5;	176;	23Zet Tau	;	3.02;	22000;occ;	85;	0;	38983
13;	4922.2;	14-AUG-2009	11:51:42;	Dark	;	49.5;	14;	58Alp Ori	;	0.87;	3000;occ;	99;	0;	38983
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11;	4365.3;	14-AUG-2009	13:23:01;	Bright;	38.5;	107;	37The Aur	;	2.65;	11000;occ;	77;	0;	38984	
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16;	5194.9;	14-AUG-2009	13:36:51;	Dark	;	44.5;	125;	44Tot Ori	;	2.77;	30000;occ;	89;	0;	38984
17;	5285.8;	14-AUG-2009	13:38:22;	Dark	;	54.5;	7;	19Bet Ori	;	0.10;	14000;occ;	109;	0;	38984
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19;	6219.9;	14-AUG-2009	13:53:56;	Dark	;	50.5;	157;	The1Eri	;	2.91;	9300;occ;	101;	0;	38984
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4;	2121.3;	14-AUG-2009	14:26:13;	Bright;	47.5;	61;	8Eps Peg	;	2.10;	3900;occ;	95;	0;	38985	
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15;	5111.1;	14-AUG-2009	15:16:03;	Dark	;	49.0;	30;	46Eps Ori	;	1.69;	30000;occ;	98;	0;	38985
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5; 798.9; 15-AUG-2009 23:36:09; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;39005
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7; 1591.6; 15-AUG-2009 23:49:22; Bright; 60.0; 142; 49Del Cap ; 2.85; 8900;occ; 120; 0;39005
8; 1799.9; 15-AUG-2009 23:52:51; Bright; 50.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 100; 0;39005
9; 1923.2; 15-AUG-2009 23:54:54; Bright; 48.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 96; 0;39005
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8; 1799.5; 16-AUG-2009 23:21:13; Bright; 39.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 79; 0;39019
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4; 3292.4; 17-AUG-2009 08:09:06; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39024  
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13; 5317.5; 17-AUG-2009 08:42:51; Dark ; 59.0; 7; 19Bet Ori ; 0.10; 14000;occ; 118; 0;39024  
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3; 2108.5; 17-AUG-2009 09:29:58; Bright; 45.0; 61; 8Eps Peg ; 2.10; 3900;occ; 90; 0;39025  
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  
6; 4191.8; 17-AUG-2009 10:04:41; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;39025  
7; 4368.4; 17-AUG-2009 10:07:38; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;39025  
8; 4556.8; 17-AUG-2009 10:10:46; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;39025  
9; 4700.7; 17-AUG-2009 10:13:10; Dark ; 48.0; 176; 23Zet Tau ; 3.02; 22000;occ; 96; 0;39025  
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13; 5318.4; 17-AUG-2009 10:23:27; Dark ; 57.0; 7; 19Bet Ori ; 0.10; 14000;occ; 114; 0;39025  
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16; 6268.4; 17-AUG-2009 10:39:18; Dark ; 48.0; 157; The1Eri ; 2.91; 9300;occ; 96; 0;39025  
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3; 2108.1; 17-AUG-2009 11:10:33; Bright; 42.0; 61; 8Eps Peg ; 2.10; 3900;occ; 84; 0;39026  
4; 3290.8; 17-AUG-2009 11:30:16; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;39026  
5; 3424.7; 17-AUG-2009 11:32:30; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;39026  
6; 4191.8; 17-AUG-2009 11:45:17; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;39026  
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 13; 3354.8; 23-AUG-2009 23:27:01; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39119  
 14; 4179.7; 23-AUG-2009 23:40:46; Bright; 52.5; 6; 13Alp Aur ; 0.08; 3400;occ; 105; 0;39119  
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 17; 4752.4; 23-AUG-2009 23:50:18; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;39119  
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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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16; 2086.8; 24-AUG-2009 04:07:41; Bright; 42.0; 61; 8Eps Peg ; 2.10; 3900;occ; 84; 0;39122
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9; -469.3; 24-AUG-2009 06:46:16; Dark ; 53.0; 139; 9Bet Lep ; 2.83; 5600;occ; 106; 0;39123
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5; 3351.3; 24-AUG-2009 07:49:57; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;39124
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8; 4654.6; 24-AUG-2009 08:11:40; Dark ; 48.0; 151; 13Mu Gem ; 2.89; 3000;occ; 96; 0;39124
9; 4754.0; 24-AUG-2009 08:13:20; Dark ; 41.0; 44; 24Gam Gem ; 1.93; 11000;occ; 82; 0;39124
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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
12; 5004.9; 25-AUG-2009 21:10:41; Dark ; 60.0; 14; 58Alp Ori ; 0.87; 3000;occ; 120; 0;39146
13; 5109.5; 25-AUG-2009 21:12:26; Dark ; 63.0; 27; 24Gam Ori ; 1.64; 26000;occ; 126; 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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 3; -446.5; 25-AUG-2009 23:01:01; Dark ; 51.5; 139; 9Bet Lep ; 2.83; 5600;occ; 103; 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  
 18; 6940.8; 25-AUG-2009 16:41:09; Dark ; 57.5; 84; Alp Phe ; 2.40; 4500;occ; 115; 0;39143

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 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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 3; 2083.6; 25-AUG-2009 18:41:24; Bright; 41.0; 61; 8Eps Peg ; 2.10; 3900;occ; 82; 0;39145  
 4; 2553.1; 25-AUG-2009 18:49:13; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39145  
 5; 3203.3; 25-AUG-2009 19:00:03; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;39145  
 6; 3335.8; 25-AUG-2009 19:02:16; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39145  
 7; 4175.2; 25-AUG-2009 19:16:15; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;39145  
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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  
 10; 4760.8; 25-AUG-2009 19:26:01; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;39145  
 11; 5004.3; 25-AUG-2009 19:30:04; Dark ; 68.0; 14; 58Alp Ori ; 0.87; 3000;occ; 136; 0;39145  
 12; 5108.7; 25-AUG-2009 19:31:49; Dark ; 64.0; 27; 24Gam Ori ; 1.64; 26000;occ; 128; 0;39145  
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 14; 5343.4; 25-AUG-2009 19:35:44; Dark ; 52.0; 56; 53Kap Ori ; 2.07; 30000;occ; 104; 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  
 19; 6942.1; 25-AUG-2009 20:02:22; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;39145

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 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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 16; 4584.1; 26-AUG-2009 02:05:28; Dark ; 62.0; 28; 12Bet Tau ; 1.65; 15200;occ; 124; 0;39149  
 17; 4762.0; 26-AUG-2009 02:08:26; Dark ; 44.5; 44; 24Gam Gem ; 1.93; 11000;occ; 89; 0;39149  
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 5; -592.6; 26-AUG-2009 02:19:47; Dark ; 74.5; 7; 19Bet Ori ; 0.10; 14000;occ; 149; 0;39149  
 6; -444.4; 26-AUG-2009 02:22:15; Dark ; 50.0; 139; 9Bet Lep ; 2.83; 5600;occ; 100; 0;39149  
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9; 4376.0; 26-AUG-2009 22:09:11; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39161
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11; 4765.7; 26-AUG-2009 22:15:41; Dark ; 46.0; 44; 24Gam Gem ; 1.93; 11000;occ; 92; 0;39161
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12; 387.5; 26-AUG-2009 07:37:55; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39153

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5; 3329.9; 26-AUG-2009 08:26:57; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;39153
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7; 4375.6; 26-AUG-2009 08:44:23; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39153
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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  
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 16; 5715.4; 26-AUG-2009 15:49:06; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39157  
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 4; 2544.0; 26-AUG-2009 18:17:27; Bright; 44.5; 164; 44Eta Peg ; 2.95; 5400;occ; 89; 0;39159
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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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2; -1658.0; 31-AUG-2009 06:06:20; Bright; 46.0; 107; 37The Aur ; 2.65; 11000;occ; 92; 0;39223
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
12; 1326.8; 31-AUG-2009 06:56:05; Dark ; 41.5; 18; 24Alp PsA ; 1.17; 9700;occ; 83; 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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 9; 4788.4; 31-AUG-2009 07:53:46; Dark ; 51.5; 44; 24Gam Gem ; 1.93; 11000;occ; 103; 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  
 15; 6511.6; 31-AUG-2009 08:22:30; Dark ; 54.5; 157; The1Eri ; 2.91; 9300;occ; 109; 0;39224  
 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  
 4; 3149.4; 31-AUG-2009 09:07:03; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39225  
 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  
 8; 4683.9; 31-AUG-2009 09:32:38; Dark ; 61.0; 151; 13Mu Gem ; 2.89; 3000;occ; 122; 0;39225  
 9; 4788.9; 31-AUG-2009 09:34:23; Dark ; 51.5; 44; 24Gam Gem ; 1.93; 11000;occ; 103; 0;39225  
 10; 5061.2; 31-AUG-2009 09:38:55; Dark ; 70.5; 14; 58Alp Ori ; 0.87; 3000;occ; 141; 0;39225  
 11; 5308.1; 31-AUG-2009 09:43:02; Dark ; 64.5; 30; 46Eps Ori ; 1.69; 30000;occ; 129; 0;39225  
 12; 5443.4; 31-AUG-2009 09:45:17; Dark ; 42.5; 47; 2Bet CMA ; 1.98; 28000;occ; 85; 0;39225  
 13; 5611.6; 31-AUG-2009 09:48:06; Dark ; 53.0; 101; 11Alp Lep ; 2.58; 7000;occ; 106; 0;39225  
 14; 5787.9; 31-AUG-2009 09:51:02; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39225  
 15; 6512.6; 31-AUG-2009 10:03:06; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39225  
 16; 6993.1; 31-AUG-2009 10:11:07; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39225  
 17; 7363.2; 31-AUG-2009 10:17:17; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;39225

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 3; 2505.7; 31-AUG-2009 10:36:55; Bright; 43.0; 164; 44Eta Peg ; 2.95; 5400;occ; 86; 0;39226  
 4; 3148.7; 31-AUG-2009 10:47:39; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39226  
 5; 3277.3; 31-AUG-2009 10:49:47; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39226  
 6; 4157.9; 31-AUG-2009 11:04:28; Bright; 59.5; 6; 13Alp Aur ; 0.08; 3400;occ; 119; 0;39226  
 7; 4378.2; 31-AUG-2009 11:08:08; Bright; 48.5; 107; 37The Aur ; 2.65; 11000;occ; 97; 0;39226  
 8; 4684.2; 31-AUG-2009 11:13:14; Dark ; 64.0; 151; 13Mu Gem ; 2.89; 3000;occ; 128; 0;39226  
 9; 4789.1; 31-AUG-2009 11:14:59; Dark ; 48.0; 44; 24Gam Gem ; 1.93; 11000;occ; 96; 0;39226  
 10; 5061.9; 31-AUG-2009 11:19:32; Dark ; 75.0; 14; 58Alp Ori ; 0.87; 3000;occ; 150; 0;39226  
 11; 5309.1; 31-AUG-2009 11:23:39; Dark ; 63.0; 30; 46Eps Ori ; 1.69; 30000;occ; 126; 0;39226  
 12; 5444.1; 31-AUG-2009 11:25:54; Dark ; 47.5; 47; 2Bet CMA ; 1.98; 28000;occ; 95; 0;39226  
 13; 5612.7; 31-AUG-2009 11:28:42; Dark ; 55.5; 101; 11Alp Lep ; 2.58; 7000;occ; 111; 0;39226  
 14; 5789.0; 31-AUG-2009 11:31:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39226  
 15; 6513.8; 31-AUG-2009 11:43:44; Dark ; 55.0; 157; The1Eri ; 2.91; 9300;occ; 110; 0;39226  
 16; 6993.6; 31-AUG-2009 11:51:43; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;39226  
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 3; 2505.1; 31-AUG-2009 12:17:31; Bright; 41.0; 164; 44Eta Peg ; 2.95; 5400;occ; 82; 0;39227  
 4; 3148.2; 31-AUG-2009 12:28:14; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;39227  
 5; 3276.6; 31-AUG-2009 12:30:22; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39227  
 6; 4157.6; 31-AUG-2009 12:45:03; Bright; 73.0; 6; 13Alp Aur ; 0.08; 3400;occ; 146; 0;39227  
 7; 4378.2; 31-AUG-2009 12:48:44; Bright; 51.5; 107; 37The Aur ; 2.65; 11000;occ; 103; 0;39227  
 8; 4684.5; 31-AUG-2009 12:53:50; Dark ; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;39227  
 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  
 11; 5310.3; 31-AUG-2009 13:04:16; Dark ; 59.0; 30; 46Eps Ori ; 1.69; 30000;occ; 118; 0;39227  
 12; 5445.0; 31-AUG-2009 13:06:31; Dark ; 47.0; 47; 2Bet CMA ; 1.98; 28000;occ; 94; 0;39227  
 13; 5613.9; 31-AUG-2009 13:09:19; Dark ; 53.5; 101; 11Alp Lep ; 2.58; 7000;occ; 107; 0;39227  
 14; 5790.2; 31-AUG-2009 13:12:16; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39227  
 15; 6515.1; 31-AUG-2009 13:24:21; Dark ; 55.0; 157; The1Eri ; 2.91; 9300;occ; 110; 0;39227  
 16; 6994.1; 31-AUG-2009 13:32:20; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;39227  
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 2; 2504.8; 31-AUG-2009 13:58:06; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;39228  
 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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4; 3275.8; 31-AUG-2009 14:10:57; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39228
5; 4157.6; 31-AUG-2009 14:25:39; Bright; 62.0; 6; 13Alp Aur ; 0.08; 3400;occ; 124; 0;39228
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
9; 5063.8; 31-AUG-2009 14:40:45; Dark ; 70.0; 14; 58Alp Ori ; 0.87; 3000;occ; 140; 0;39228
10; 5311.7; 31-AUG-2009 14:44:53; Dark ; 65.0; 30; 46Eps Ori ; 1.69; 30000;occ; 130; 0;39228
11; 5445.8; 31-AUG-2009 14:47:07; Dark ; 46.5; 47; 2Bet CMA ; 1.98; 28000;occ; 93; 0;39228
12; 5615.1; 31-AUG-2009 14:49:57; Dark ; 54.0; 101; 11Alp Lep ; 2.58; 7000;occ; 108; 0;39228
13; 5791.4; 31-AUG-2009 14:52:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39228
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3; 2504.2; 31-AUG-2009 15:38:42; Bright; 55.5; 164; 44Eta Peg ; 2.95; 5400;occ; 111; 0;39229
4; 3146.9; 31-AUG-2009 15:49:24; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39229
5; 3275.1; 31-AUG-2009 15:51:33; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;39229
6; 4157.4; 31-AUG-2009 16:06:15; Bright; 58.5; 6; 13Alp Aur ; 0.08; 3400;occ; 117; 0;39229
7; 4378.1; 31-AUG-2009 16:09:56; Bright; 48.0; 107; 37The Aur ; 2.65; 11000;occ; 96; 0;39229
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9; 4790.5; 31-AUG-2009 16:16:48; Dark ; 49.5; 44; 24Gam Gem ; 1.93; 11000;occ; 99; 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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8; 4685.8; 31-AUG-2009 19:36:15; Dark ; 57.0; 151; 13Mu Gem ; 2.89; 3000;occ; 114; 0;39231
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11; 5447.9; 31-AUG-2009 19:48:57; Dark ; 46.0; 47; 2Bet CMA ; 1.98; 28000;occ; 92; 0;39231
12; 5618.7; 31-AUG-2009 19:51:48; Dark ; 54.0; 101; 11Alp Lep ; 2.58; 7000;occ; 108; 0;39231
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