

# GOMOS Daily Report 16-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	17AUG2009 04:43:23
Data source version	GOMOS/5.00
Start time of products	16AUG2009 00:20:11
Stop time of products	16AUG2009 23:48:23
Store outputs in DB	Yes
Nb of level 1b prods	112
Nb of prods with errors	1

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

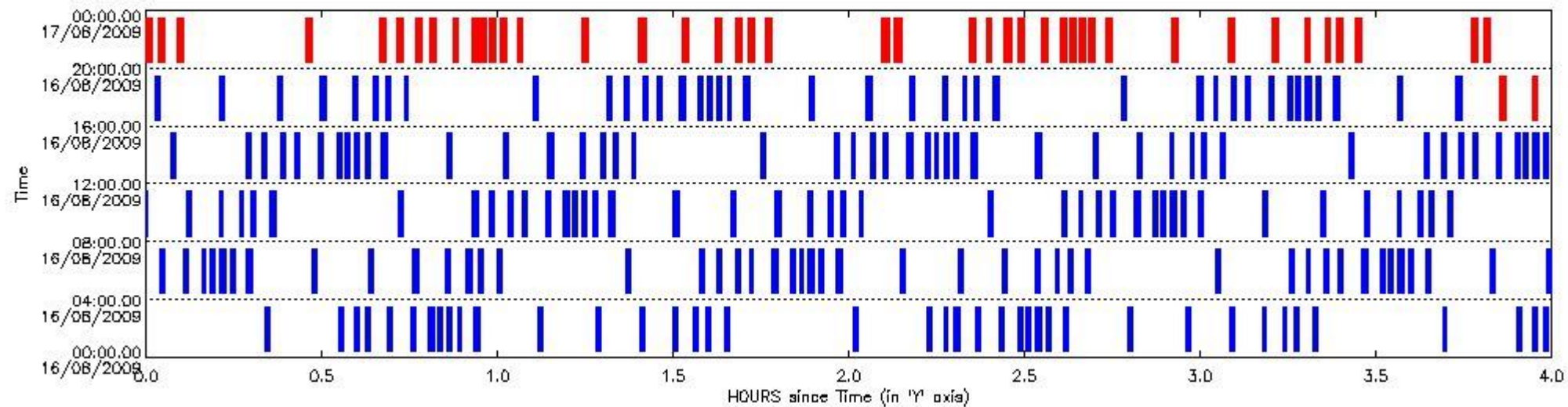
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
16-AUG-2009 19:50:58	24AlpPsA	18	39017
16-AUG-2009 19:56:34	49DelCap	142	39017
16-AUG-2009 20:00:01	22BetAqr	154	39017
16-AUG-2009 20:02:02	34AlpAqr	162	39017
16-AUG-2009 20:05:12	8EpsPeg	61	39017
16-AUG-2009 20:27:13	27GamCas	76	39017
16-AUG-2009 20:39:54	13AlpAur	6	39017
16-AUG-2009 20:42:49	37TheAur	107	39017
16-AUG-2009 20:45:57	12BetTau	28	39017
16-AUG-2009 20:48:20	23ZetTau	176	39017
16-AUG-2009 20:52:18	58AlpOri	14	39017
16-AUG-2009 20:55:32	46EpsOri	30	39017
16-AUG-2009 20:56:57	44IotOri	125	39017
16-AUG-2009 20:58:33	19BetOri	7	39017
16-AUG-2009 21:00:24	11AlpLep	101	39017

16-AUG-2009 21:03:15	DSA1062	0	39017
16-AUG-2009 21:14:20	The1Eri	157	39018
16-AUG-2009 21:24:07	AlpPhe	84	39018
16-AUG-2009 21:31:34	24AlpPsA	18	39018
16-AUG-2009 21:37:10	49DelCap	142	39018
16-AUG-2009 21:40:37	22BetAqr	154	39018
16-AUG-2009 21:42:38	34AlpAqr	162	39018
16-AUG-2009 21:45:48	8EpsPeg	61	39018
16-AUG-2009 22:05:34	11BetCas	74	39018
16-AUG-2009 22:07:48	27GamCas	76	39018
16-AUG-2009 22:20:30	13AlpAur	6	39018
16-AUG-2009 22:23:25	37TheAur	107	39018
16-AUG-2009 22:26:33	12BetTau	28	39018
16-AUG-2009 22:28:56	23ZetTau	176	39018
16-AUG-2009 22:32:55	58AlpOri	14	39018
16-AUG-2009 22:36:08	46EpsOri	30	39018
16-AUG-2009 22:37:34	44IotOri	125	39018
16-AUG-2009 22:39:10	19BetOri	7	39018
16-AUG-2009 22:41:00	11AlpLep	101	39018
16-AUG-2009 22:43:51	DSA1062	0	39018
16-AUG-2009 22:54:57	The1Eri	157	39019
16-AUG-2009 23:04:44	AlpPhe	84	39019
16-AUG-2009 23:12:10	24AlpPsA	18	39019
16-AUG-2009 23:17:46	49DelCap	142	39019
16-AUG-2009 23:21:13	22BetAqr	154	39019
16-AUG-2009 23:23:13	34AlpAqr	162	39019
16-AUG-2009 23:26:23	8EpsPeg	61	39019
16-AUG-2009 23:46:10	11BetCas	74	39019
16-AUG-2009 23:48:23	27GamCas	76	39019

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

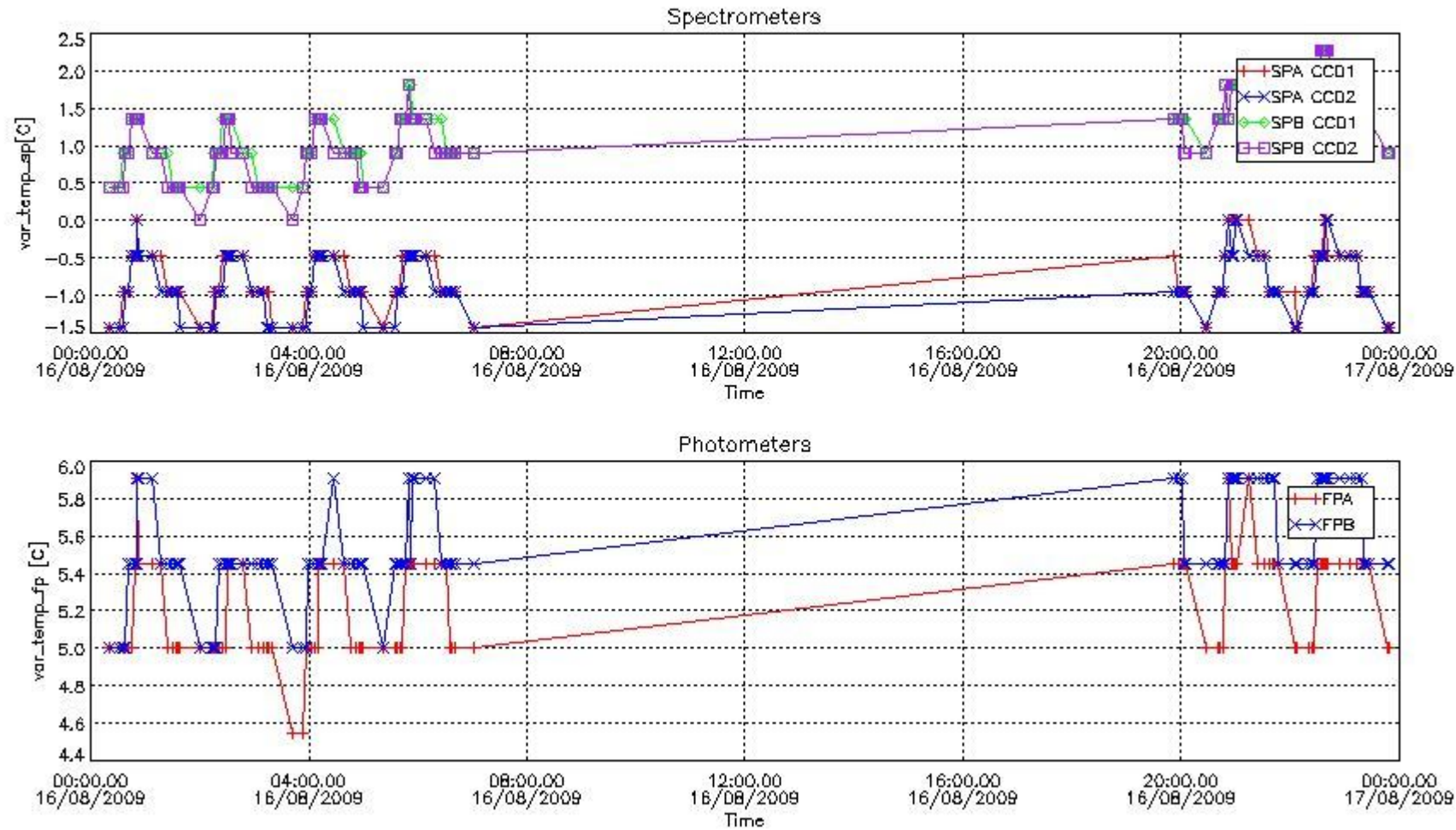
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20090816_002011_000000492081_00374_39005_2735.N1	16-AUG-2009 00:20:11	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	39005	No
2	GOM_TRA_1PNPDE20090816_003244_000000502081_00374_39005_2736.N1	16-AUG-2009 00:32:44	Bright	49.500	6	13Alp Aur	0.080000	3400.0	99	39005	No
3	GOM_TRA_1PNPDE20090816_003538_000000402081_00374_39005_2737.N1	16-AUG-2009 00:35:38	Bright	40.000	107	37The Aur	2.6490	11000.	80	39005	No
4	GOM_TRA_1PNPDE20090816_003721_000000582081_00374_39005_2738.N1	16-AUG-2009 00:37:21	Twilight	57.500	114	3Iot Aur	2.6930	4600.0	115	39005	No
5	GOM_TRA_1PNPDE20090816_004105_000000452081_00374_39005_2739.N1	16-AUG-2009 00:41:05	Twilight	45.000	176	23Zet Tau	3.0200	22000.	90	39005	No
6	GOM_TRA_1PNPDE20090816_004502_000000502081_00374_39005_2740.N1	16-AUG-2009 00:45:02	Dark	49.500	14	58Alp Ori	0.87000	3000.0	99	39005	No
7	GOM_TRA_1PNPDE20090816_004813_000000512081_00374_39005_2741.N1	16-AUG-2009 00:48:13	Dark	50.500	30	46Eps Ori	1.6940	30000.	101	39005	No
8	GOM_TRA_1PNPDE20090816_004938_000000462081_00374_39005_2742.N1	16-AUG-2009 00:49:38	Dark	46.000	125	44Iot Ori	2.7700	30000.	92	39005	No
9	GOM_TRA_1PNPDE20090816_005113_000000592081_00374_39005_2743.N1	16-AUG-2009 00:51:13	Dark	59.000	7	19Bet Ori	0.10000	14000.	118	39005	No
10	GOM_TRA_1PNPDE20090816_005113_000000612081_00374_39005_2702.N1	16-AUG-2009 00:51:13	Dark	60.500	7	19Bet Ori	0.10000	14000.	121	39005	No
11	GOM_TRA_1PNPDE20090816_005305_000000462081_00374_39005_2703.N1	16-AUG-2009 00:53:05	Dark	46.000	101	11Alp Lep	2.5820	7000.0	92	39005	No
12	GOM_TRA_1PNPDE20090816_010655_000000522081_00375_39006_2704.N1	16-AUG-2009 01:06:55	Dark	51.500	157	The1Eri	2.9060	9300.0	103	39006	No
13	GOM_TRA_1PNPDE20090816_011646_000000532081_00375_39006_2705.N1	16-AUG-2009 01:16:46	Straylight	53.000	84	Alp Phe	2.3970	4500.0	106	39006	No
14	GOM_TRA_1PNPDE20090816_012418_000000532081_00375_39006_2706.N1	16-AUG-2009 01:24:18	Twilight	52.500	18	24Alp PsA	1.1660	9700.0	105	39006	No
15	GOM_TRA_1PNPDE20090816_012958_000000442081_00375_39006_2707.N1	16-AUG-2009 01:29:58	Bright	43.500	142	49Del Cap	2.8500	8900.0	87	39006	No
16	GOM_TRA_1PNPDE20090816_013326_000000402081_00375_39006_2708.N1	16-AUG-2009 01:33:26	Bright	40.000	154	22Bet Aqr	2.8990	5700.0	80	39006	No
17	GOM_TRA_1PNPDE20090816_013529_000000482081_00375_39006_2709.N1	16-AUG-2009 01:35:29	Bright	48.000	162	34Alp Aqr	2.9440	5350.0	96	39006	No
18	GOM_TRA_1PNPDE20090816_013841_000000472081_00375_39006_2710.N1	16-AUG-2009 01:38:41	Bright	47.000	61	8Eps Peg	2.1000	3900.0	94	39006	No
19	GOM_TRA_1PNPDE20090816_020046_000000442081_00375_39006_2711.N1	16-AUG-2009 02:00:46	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	39006	No
20	GOM_TRA_1PNPDE20090816_021320_000000492081_00375_39006_2617.N1	16-AUG-2009 02:13:20	Bright	49.000	6	13Alp Aur	0.080000	3400.0	98	39006	No
21	GOM_TRA_1PNPDE20090816_021614_000000412081_00375_39006_2618.N1	16-AUG-2009 02:16:14	Bright	41.000	107	37The Aur	2.6490	11000.	82	39006	No
22	GOM_TRA_1PNPDE20090816_021757_000000562081_00375_39006_2619.N1	16-AUG-2009 02:17:57	Twilight	55.500	114	3Iot Aur	2.6930	4600.0	111	39006	No
23	GOM_TRA_1PNPDE20090816_022141_000000472081_00375_39006_2620.N1	16-AUG-2009 02:21:41	Twilight	46.500	176	23Zet Tau	3.0200	22000.	93	39006	No
24	GOM_TRA_1PNPDE20090816_022538_000000502081_00375_39006_2621.N1	16-AUG-2009 02:25:38	Dark	50.000	14	58Alp Ori	0.87000	3000.0	100	39006	No
25	GOM_TRA_1PNPDE20090816_022850_000000492081_00375_39006_2622.N1	16-AUG-2009 02:28:50	Dark	48.500	30	46Eps Ori	1.6940	30000.	97	39006	No

26	GOM_TRA_1PNPDE20090816_023015_000000442081_00375_39006_2623.N1	16-AUG-2009 02:30:15	Dark	44.000	125	44Iot Ori	2.7700	30000.	88	39006	No
27	GOM_TRA_1PNPDE20090816_023149_000000662081_00375_39006_2624.N1	16-AUG-2009 02:31:49	Dark	65.500	7	19Bet Ori	0.10000	14000.	131	39006	No
28	GOM_TRA_1PNPDE20090816_023341_000000472081_00375_39006_2625.N1	16-AUG-2009 02:33:41	Dark	46.500	101	11Alp Lep	2.5820	7000.0	93	39006	No
29	GOM_TRA_1PNPDE20090816_024732_000000522081_00376_39007_2626.N1	16-AUG-2009 02:47:32	Dark	52.000	157	The1Eri	2.9060	9300.0	104	39007	No
30	GOM_TRA_1PNPDE20090816_025723_000000542081_00376_39007_2627.N1	16-AUG-2009 02:57:23	Straylight	54.000	84	Alp Phe	2.3970	4500.0	108	39007	No
31	GOM_TRA_1PNPDE20090816_030454_000000522081_00376_39007_2628.N1	16-AUG-2009 03:04:54	Twilight_stray	52.000	18	24Alp PsA	1.1660	9700.0	104	39007	No
32	GOM_TRA_1PNPDE20090816_031034_000000432081_00376_39007_2629.N1	16-AUG-2009 03:10:34	Bright	43.000	142	49Del Cap	2.8500	8900.0	86	39007	No
33	GOM_TRA_1PNPDE20090816_031402_000000412081_00376_39007_2630.N1	16-AUG-2009 03:14:02	Bright	40.500	154	22Bet Aqr	2.8990	5700.0	81	39007	No
34	GOM_TRA_1PNPDE20090816_031605_000000502081_00376_39007_2631.N1	16-AUG-2009 03:16:05	Bright	49.500	162	34Alp Aqr	2.9440	5350.0	99	39007	No
35	GOM_TRA_1PNPDE20090816_031916_000000462081_00376_39007_2632.N1	16-AUG-2009 03:19:16	Bright	45.500	61	8Eps Peg	2.1000	3900.0	91	39007	No
36	GOM_TRA_1PNPDE20090816_034121_000000442081_00376_39007_2633.N1	16-AUG-2009 03:41:21	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	39007	No
37	GOM_TRA_1PNPDE20090816_035356_000000532081_00376_39007_2517.N1	16-AUG-2009 03:53:56	Bright	53.000	6	13Alp Aur	0.080000	3400.0	106	39007	No
38	GOM_TRA_1PNPDE20090816_035650_000000402081_00376_39007_2518.N1	16-AUG-2009 03:56:50	Bright	39.500	107	37The Aur	2.6490	11000.	79	39007	No
39	GOM_TRA_1PNPDE20090816_035833_000000542081_00376_39007_2519.N1	16-AUG-2009 03:58:33	Twilight_stray	54.000	114	3Iot Aur	2.6930	4600.0	108	39007	No
40	GOM_TRA_1PNPDE20090816_040217_000000492081_00376_39007_2520.N1	16-AUG-2009 04:02:17	Twilight_stray	49.000	176	23Zet Tau	3.0200	22000.	98	39007	No
41	GOM_TRA_1PNPDE20090816_040615_000000592081_00376_39007_2521.N1	16-AUG-2009 04:06:15	Dark	59.000	14	58Alp Ori	0.87000	3000.0	118	39007	No
42	GOM_TRA_1PNPDE20090816_040926_000000462081_00376_39007_2522.N1	16-AUG-2009 04:09:26	Dark	45.500	30	46Eps Ori	1.6940	30000.	91	39007	No
43	GOM_TRA_1PNPDE20090816_041052_000000462081_00376_39007_2523.N1	16-AUG-2009 04:10:52	Dark	45.500	125	44Iot Ori	2.7700	30000.	91	39007	No
44	GOM_TRA_1PNPDE20090816_041226_000000602081_00376_39007_2524.N1	16-AUG-2009 04:12:26	Dark	59.500	7	19Bet Ori	0.10000	14000.	119	39007	No
45	GOM_TRA_1PNPDE20090816_041418_000000482081_00376_39007_2525.N1	16-AUG-2009 04:14:18	Dark	47.500	101	11Alp Lep	2.5820	7000.0	95	39007	No
46	GOM_TRA_1PNPDE20090816_042809_000000532081_00377_39008_2526.N1	16-AUG-2009 04:28:09	Dark	52.500	157	The1Eri	2.9060	9300.0	105	39008	No
47	GOM_TRA_1PNPDE20090816_043800_000000522081_00377_39008_2527.N1	16-AUG-2009 04:38:00	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	39008	No
48	GOM_TRA_1PNPDE20090816_044531_000000522081_00377_39008_2528.N1	16-AUG-2009 04:45:31	Twilight_stray	52.000	18	24Alp PsA	1.1660	9700.0	104	39008	No
49	GOM_TRA_1PNPDE20090816_045110_000000432081_00377_39008_2529.N1	16-AUG-2009 04:51:10	Bright	43.000	142	49Del Cap	2.8500	8900.0	86	39008	No
50	GOM_TRA_1PNPDE20090816_045438_000000592081_00377_39008_2530.N1	16-AUG-2009 04:54:38	Bright	59.000	154	22Bet Aqr	2.8990	5700.0	118	39008	No
51	GOM_TRA_1PNPDE20090816_045641_000000482081_00377_39008_2531.N1	16-AUG-2009 04:56:41	Bright	47.500	162	34Alp Aqr	2.9440	5350.0	95	39008	No
52	GOM_TRA_1PNPDE20090816_045952_000000432081_00377_39008_2532.N1	16-AUG-2009 04:59:52	Bright	42.500	61	8Eps Peg	2.1000	3900.0	85	39008	No
53	GOM_TRA_1PNPDE20090816_052157_000000502081_00377_39008_2533.N1	16-AUG-2009 05:21:57	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	39008	No
54	GOM_TRA_1PNPDE20090816_053432_000000492081_00377_39008_2495.N1	16-AUG-2009 05:34:32	Bright	49.000	6	13Alp Aur	0.080000	3400.0	98	39008	No
55	GOM_TRA_1PNPDE20090816_053726_000000532081_00377_39008_2496.N1	16-AUG-2009 05:37:26	Bright	53.000	107	37The Aur	2.6490	11000.	106	39008	No
56	GOM_TRA_1PNPDE20090816_054032_000000532081_00377_39008_2497.N1	16-AUG-2009 05:40:32	Twilight_stray	52.500	28	12Bet Tau	1.6500	15200.	105	39008	No
57	GOM_TRA_1PNPDE20090816_054254_000000472081_00377_39008_2498.N1	16-AUG-2009 05:42:54	Twilight_stray	47.000	176	23Zet Tau	3.0200	22000.	94	39008	No
58	GOM_TRA_1PNPDE20090816_054651_000000602081_00377_39008_2499.N1	16-AUG-2009 05:46:51	Dark	59.500	14	58Alp Ori	0.87000	3000.0	119	39008	No
59	GOM_TRA_1PNPDE20090816_055003_000000502081_00377_39008_2500.N1	16-AUG-2009 05:50:03	Dark	50.000	30	46Eps Ori	1.6940	30000.	100	39008	No
60	GOM_TRA_1PNPDE20090816_055128_000000452081_00377_39008_2501.N1	16-AUG-2009 05:51:28	Dark	45.000	125	44Iot Ori	2.7700	30000.	90	39008	No
61	GOM_TRA_1PNPDE20090816_055303_000000602081_00377_39008_2502.N1	16-AUG-2009 05:53:03	Dark	60.000	7	19Bet Ori	0.10000	14000.	120	39008	No
62	GOM_TRA_1PNPDE20090816_055454_000000472081_00377_39008_2503.N1	16-AUG-2009 05:54:54	Dark	47.000	101	11Alp Lep	2.5820	7000.0	94	39008	No
63	GOM_TRA_1PNPDE20090816_060846_000000512081_00378_39009_2504.N1	16-AUG-2009 06:08:46	Dark	50.500	157	The1Eri	2.9060	9300.0	101	39009	No
64	GOM_TRA_1PNPDE20090816_061836_000000522081_00378_39009_2505.N1	16-AUG-2009 06:18:36	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	39009	No
65	GOM_TRA_1PNPDE20090816_062607_000000532081_00378_39009_2506.N1	16-AUG-2009 06:26:07	Twilight_stray	52.500	18	24Alp PsA	1.1660	9700.0	105	39009	No
66	GOM_TRA_1PNPDE20090816_063146_000000432081_00378_39009_2507.N1	16-AUG-2009 06:31:46	Bright	43.000	142	49Del Cap	2.8500	8900.0	86	39009	No
67	GOM_TRA_1PNPDE20090816_063514_000000402081_00378_39009_2508.N1	16-AUG-2009 06:35:14	Bright	40.000	154	22Bet Aqr	2.8990	5700.0	80	39009	No
68	GOM_TRA_1PNPDE20090816_063717_000000492081_00378_39009_2509.N1	16-AUG-2009 06:37:17	Bright	48.500	162	34Alp Aqr	2.9440	5350.0	97	39009	No
69	GOM_TRA_1PNPDE20090816_064028_000000452081_00378_39009_2510.N1	16-AUG-2009 06:40:28	Bright	44.500	61	8Eps Peg	2.1000	3900.0	89	39009	No
70	GOM_TRA_1PNPDE20090816_070232_000000472081_00378_39009_2511.N1	16-AUG-2009 07:02:32	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	39009	No
71	GOM_TRA_1PNPDE20090816_195058_000000532081_00386_39017_3849.N1	16-AUG-2009 19:50:58	Twilight_stray	53.000	18	24Alp PsA	1.1660	9700.0	106	39017	No
72	GOM_TRA_1PNPDE20090816_195634_000000602081_00386_39017_3850.N1	16-AUG-2009 19:56:34	Bright	60.000	142	49Del Cap	2.8500	8900.0	120	39017	No
73	GOM_TRA_1PNPDE20090816_200001_000000432081_00386_39017_3851.N1	16-AUG-2009 20:00:01	Bright	43.000	154	22Bet Aqr	2.8990	5700.0	86	39017	No
74	GOM_TRA_1PNPDE20090816_200202_000000472081_00386_39017_3852.N1	16-AUG-2009 20:02:02	Bright	47.000	162	34Alp Aqr	2.9440	5350.0	94	39017	No
75	GOM_TRA_1PNPDE20090816_200513_000000442081_00386_39017_3853.N1	16-AUG-2009 20:05:13	Bright	44.000	61	8Eps Peg	2.1000	3900.0	88	39017	No
76	GOM_TRA_1PNPDE20090816_202713_000000502081_00386_39017_3854.N1	16-AUG-2009 20:27:13	Bright	50.000	76	27Gam Cas	2.3000	30000.	100	39017	No
77	GOM_TRA_1PNPDE20090816_203954_000000472081_00386_39017_3855.N1	16-AUG-2009 20:39:54	Bright	47.000	6	13Alp Aur	0.080000	3400.0	94	39017	No
78	GOM_TRA_1PNPDE20090816_204250_000000392081_00386_39017_3856.N1	16-AUG-2009 20:42:50	Bright	39.000	107	37The Aur	2.6490	11000.	78	39017	No
79	GOM_TRA_1PNPDE20090816_204557_000000502081_00386_39017_3857.N1	16-AUG-2009 20:45:57	Twilight_stray	50.000	28	12Bet Tau	1.6500	15200.	100	39017	No
80	GOM_TRA_1PNPDE20090816_204820_000000472081_00386_39017_3858.N1	16-AUG-2009 20:48:20	Twilight_stray	47.000	176	23Zet Tau	3.0200	22000.	94	39017	No
81	GOM_TRA_1PNPDE20090816_205218_000000502081_00386_39017_3993.N1	16-AUG-2009 20:52:18	Dark	50.000	14	58Alp Ori	0.87000	3000.0	100	39017	Yes
82	GOM_TRA_1PNPDE20090816_205532_000000512081_00386_39017_3994.N1	16-AUG-2009 20:55:32	Dark	51.000	30	46Eps Ori	1.6940	30000.	102	39017	No
83	GOM_TRA_1PNPDE20090816_205657_000000452081_00386_39017_3995.N1	16-AUG-2009 20:56:57	Dark	45.000	125	44Iot Ori	2.7700	30000.	90	39017	No
84	GOM_TRA_1PNPDE20090816_205833_000000582081_00386_39017_3996.N1	16-AUG-2009 20:58:33	Dark	57.500	7	19Bet Ori	0.10000	14000.	115	39017	No



85	GOM_TRA_1PNPDE20090816_210024_000000482081_00386_39017_3997.N1	16-AUG-2009 21:00:24	Dark	47.500	101	11Alp Lep	2.5820	7000.0	95	39017	No
86	GOM_TRA_1PNPDE20090816_211421_000000512081_00387_39018_3998.N1	16-AUG-2009 21:14:21	Dark	50.500	157	The1Eri	2.9060	9300.0	101	39018	No
87	GOM_TRA_1PNPDE20090816_212407_000000612081_00387_39018_3999.N1	16-AUG-2009 21:24:07	Straylight	61.000	84	Alp Phe	2.3970	4500.0	122	39018	No
88	GOM_TRA_1PNPDE20090816_213134_000000532081_00387_39018_4000.N1	16-AUG-2009 21:31:34	Twilight_and_stray	52.500	18	24Alp PsA	1.1660	9700.0	105	39018	No
89	GOM_TRA_1PNPDE20090816_213710_000000422081_00387_39018_4001.N1	16-AUG-2009 21:37:10	Bright	41.500	142	49Del Cap	2.8500	8900.0	83	39018	No
90	GOM_TRA_1PNPDE20090816_214037_000000422081_00387_39018_4002.N1	16-AUG-2009 21:40:37	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	39018	No
91	GOM_TRA_1PNPDE20090816_214238_000000482081_00387_39018_4003.N1	16-AUG-2009 21:42:38	Bright	47.500	162	34Alp Aqr	2.9440	5350.0	95	39018	No
92	GOM_TRA_1PNPDE20090816_214548_000000462081_00387_39018_4004.N1	16-AUG-2009 21:45:48	Bright	45.500	61	8Eps Peg	2.1000	3900.0	91	39018	No
93	GOM_TRA_1PNPDE20090816_220535_000000502081_00387_39018_4005.N1	16-AUG-2009 22:05:35	Bright	49.500	74	11Bet Cas	2.2680	6600.0	99	39018	No
94	GOM_TRA_1PNPDE20090816_220748_000000452081_00387_39018_4006.N1	16-AUG-2009 22:07:48	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	39018	No
95	GOM_TRA_1PNPDE20090816_222030_000000622081_00387_39018_4007.N1	16-AUG-2009 22:20:30	Bright	62.000	6	13Alp Aur	0.080000	3400.0	124	39018	No
96	GOM_TRA_1PNPDE20090816_222325_000000412081_00387_39018_4008.N1	16-AUG-2009 22:23:25	Bright	41.000	107	37The Aur	2.6490	11000.	82	39018	No
97	GOM_TRA_1PNPDE20090816_222633_000000532081_00387_39018_4009.N1	16-AUG-2009 22:26:33	Twilight_and_stray	52.500	28	12Bet Tau	1.6500	15200.	105	39018	No
98	GOM_TRA_1PNPDE20090816_222856_000000492081_00387_39018_4010.N1	16-AUG-2009 22:28:56	Twilight_and_stray	48.500	176	23Zet Tau	3.0200	22000.	97	39018	No
99	GOM_TRA_1PNPDE20090816_223255_000000512081_00387_39018_4011.N1	16-AUG-2009 22:32:55	Dark	50.500	14	58Alp Ori	0.87000	3000.0	101	39018	No
100	GOM_TRA_1PNPDE20090816_223608_000000502081_00387_39018_4012.N1	16-AUG-2009 22:36:08	Dark	49.500	30	46Eps Ori	1.6940	30000.	99	39018	No
101	GOM_TRA_1PNPDE20090816_223734_000000462081_00387_39018_4013.N1	16-AUG-2009 22:37:34	Dark	46.000	125	44Iot Ori	2.7700	30000.	92	39018	No
102	GOM_TRA_1PNPDE20090816_223910_000000552081_00387_39018_4014.N1	16-AUG-2009 22:39:10	Dark	55.000	7	19Bet Ori	0.10000	14000.	110	39018	No
103	GOM_TRA_1PNPDE20090816_224101_000000472081_00387_39018_4149.N1	16-AUG-2009 22:41:01	Dark	47.000	101	11Alp Lep	2.5820	7000.0	94	39018	No
104	GOM_TRA_1PNPDE20090816_225458_000000542081_00388_39019_4150.N1	16-AUG-2009 22:54:58	Dark	53.500	157	The1Eri	2.9060	9300.0	107	39019	No
105	GOM_TRA_1PNPDE20090816_230444_000000582081_00388_39019_4151.N1	16-AUG-2009 23:04:44	Straylight	57.500	84	Alp Phe	2.3970	4500.0	115	39019	No
106	GOM_TRA_1PNPDE20090816_231210_000000532081_00388_39019_4152.N1	16-AUG-2009 23:12:10	Twilight_and_stray	52.500	18	24Alp PsA	1.1660	9700.0	105	39019	No
107	GOM_TRA_1PNPDE20090816_231747_000000602081_00388_39019_4153.N1	16-AUG-2009 23:17:47	Bright	60.000	142	49Del Cap	2.8500	8900.0	120	39019	No
108	GOM_TRA_1PNPDE20090816_232113_000000402081_00388_39019_4154.N1	16-AUG-2009 23:21:13	Bright	39.500	154	22Bet Aqr	2.8990	5700.0	79	39019	No
109	GOM_TRA_1PNPDE20090816_232313_000000482081_00388_39019_4155.N1	16-AUG-2009 23:23:13	Bright	47.500	162	34Alp Aqr	2.9440	5350.0	95	39019	No
110	GOM_TRA_1PNPDE20090816_232624_000000462081_00388_39019_4156.N1	16-AUG-2009 23:26:24	Bright	45.500	61	8Eps Peg	2.1000	3900.0	91	39019	No
111	GOM_TRA_1PNPDE20090816_234610_000000472081_00388_39019_4157.N1	16-AUG-2009 23:46:10	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	39019	No
112	GOM_TRA_1PNPDE20090816_234823_000000472081_00388_39019_4158.N1	16-AUG-2009 23:48:23	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	39019	No

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



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

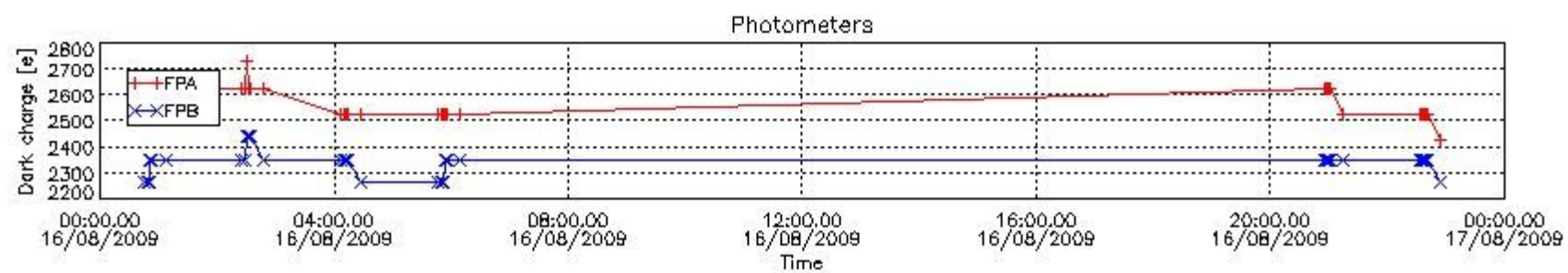
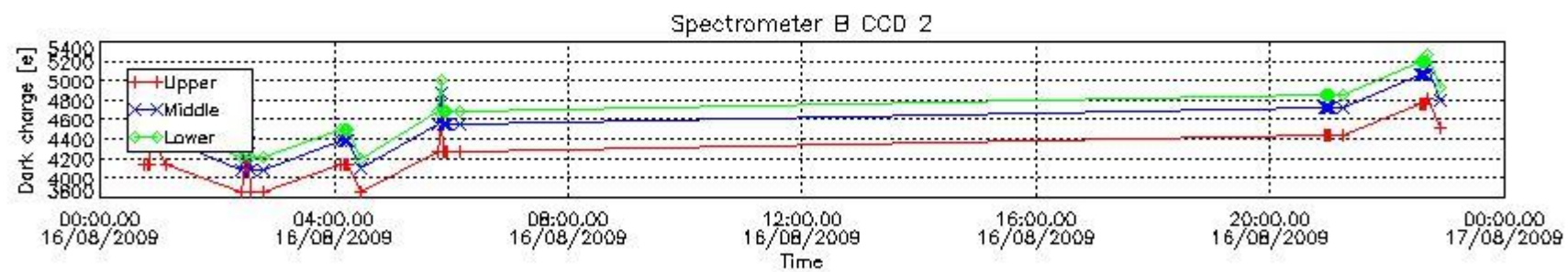
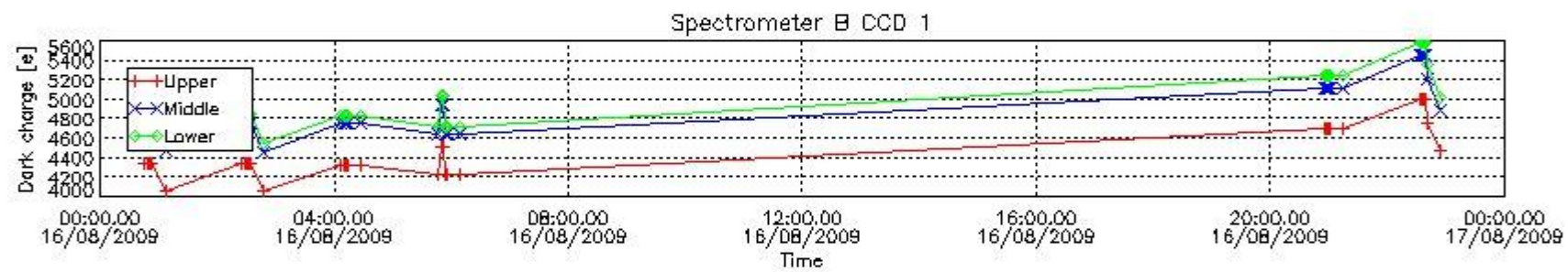
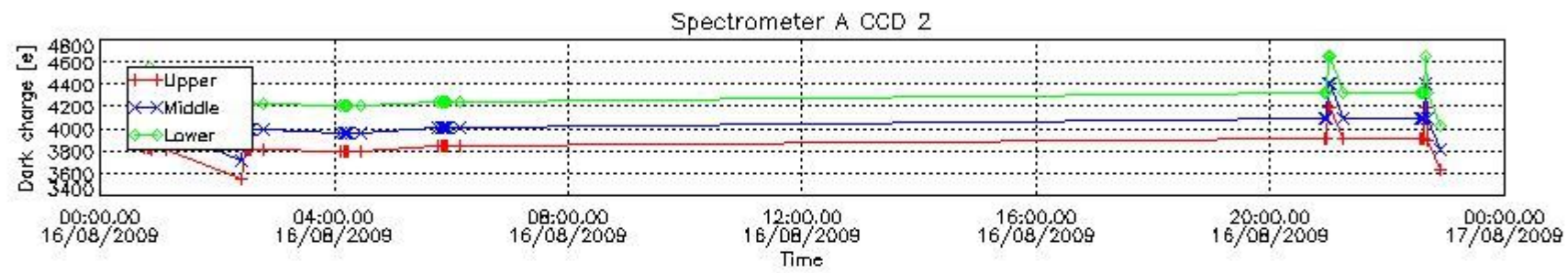
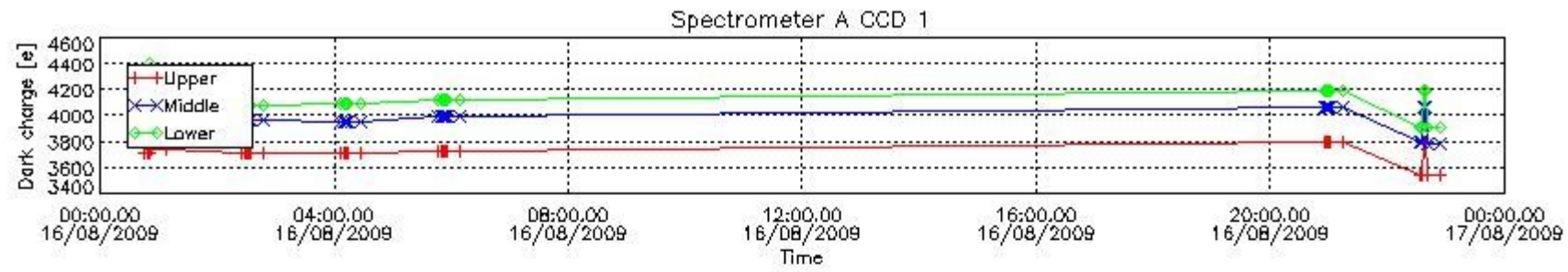
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20090816_195058_000000532081_00386_39017_3849.N1	DC map used
GOM_TRA_1PNPDE20090816_195634_000000602081_00386_39017_3850.N1	DC map used
GOM_TRA_1PNPDE20090816_200001_000000432081_00386_39017_3851.N1	DC map used
GOM_TRA_1PNPDE20090816_200202_000000472081_00386_39017_3852.N1	DC map used
GOM_TRA_1PNPDE20090816_200513_000000442081_00386_39017_3853.N1	DC map used
GOM_TRA_1PNPDE20090816_202713_000000502081_00386_39017_3854.N1	DC map used
GOM_TRA_1PNPDE20090816_203954_000000472081_00386_39017_3855.N1	DC map used
GOM_TRA_1PNPDE20090816_204250_000000392081_00386_39017_3856.N1	DC map used
GOM_TRA_1PNPDE20090816_204557_000000502081_00386_39017_3857.N1	DC map used
GOM_TRA_1PNPDE20090816_204820_000000472081_00386_39017_3858.N1	DC map used

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



## 5. Demodulation flag and quality information monitoring

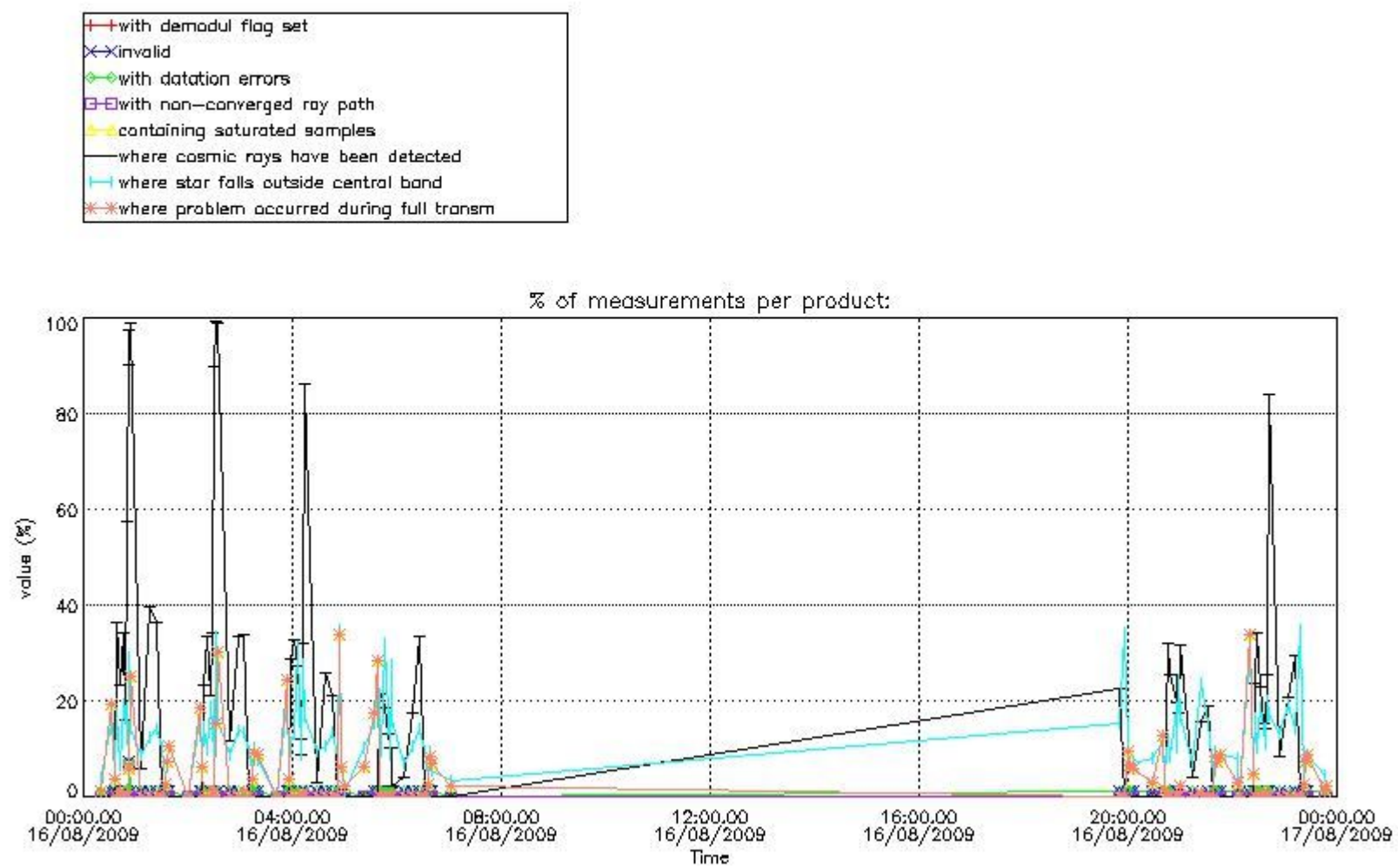
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

### 5.1 Percentage of products during reporting period with:



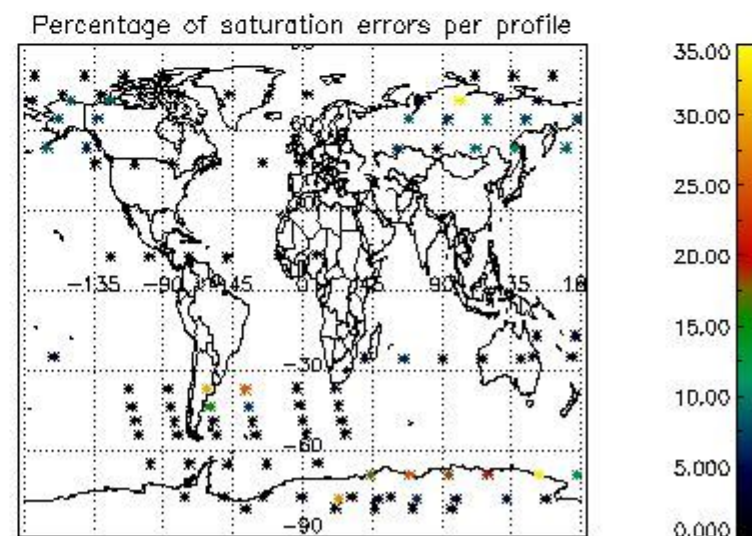
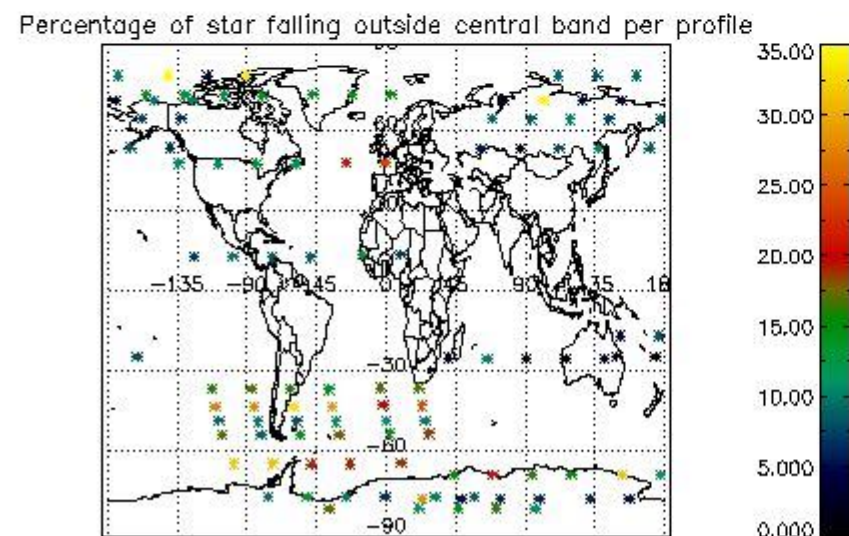
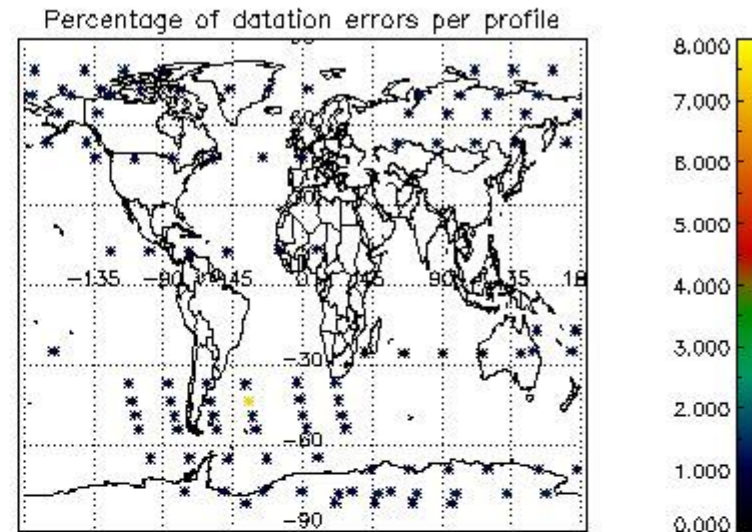
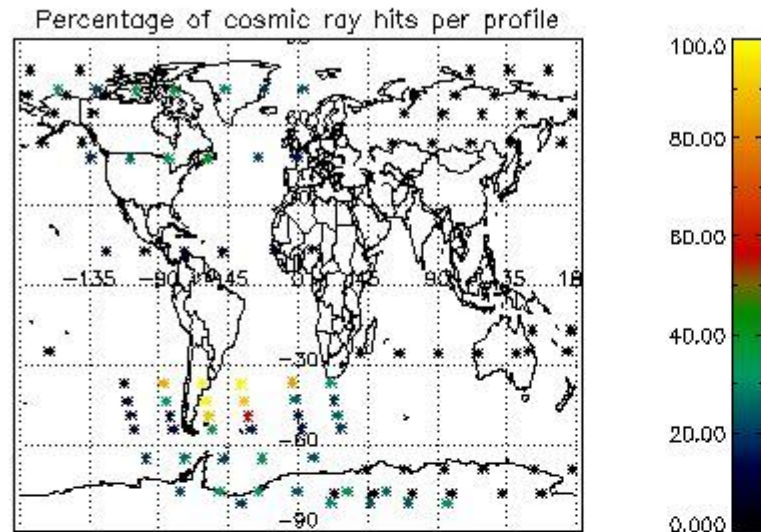
At least one measurement with demodulation flag set:	34.2342 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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



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





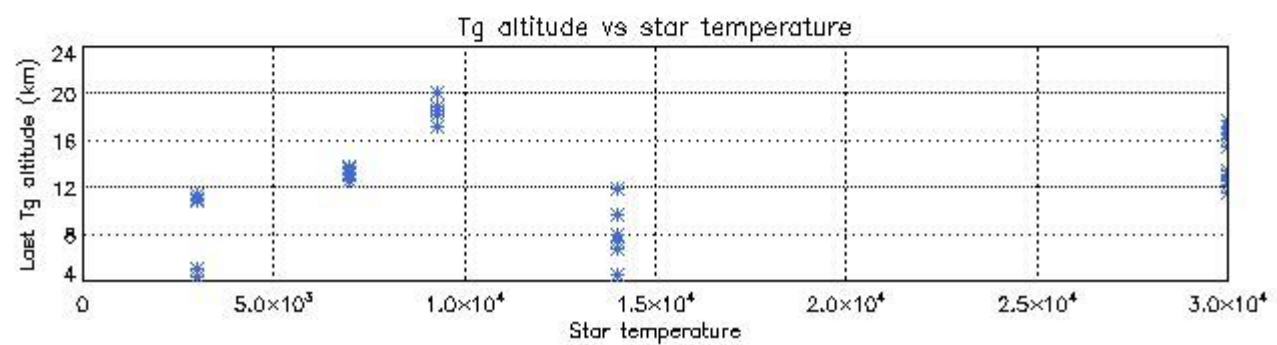
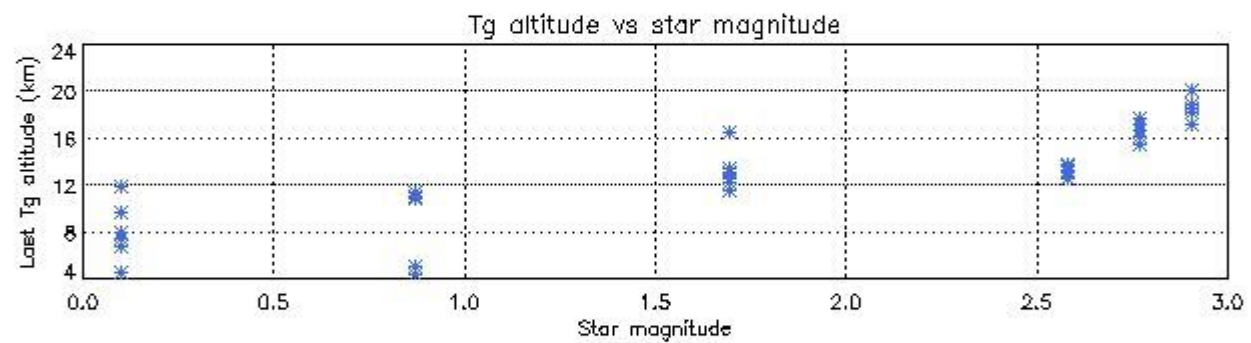
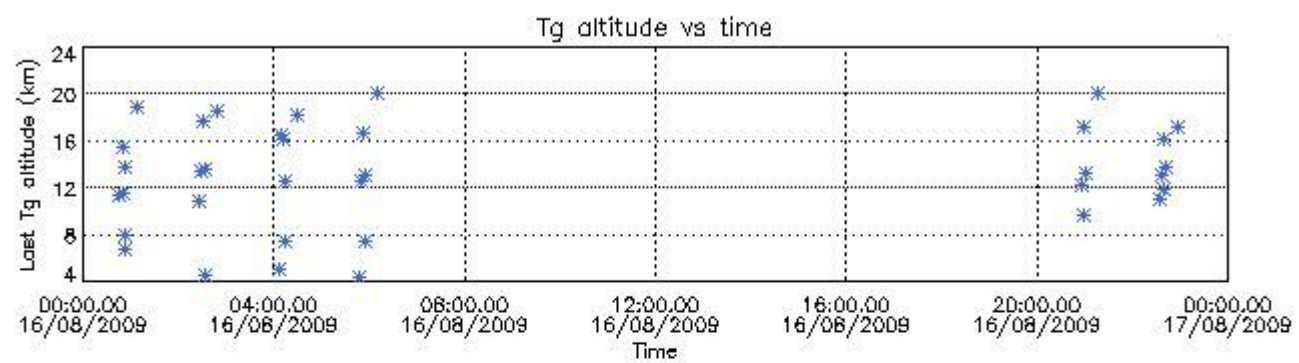
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.023	18.218	NaN
St. deviation:	4.3535	5.8183	NaN
Maximum:	20.039	30.017	NaN
Minimum:	4.3985	3.8329	NaN
Number of data:	36.000	50.000	NaN

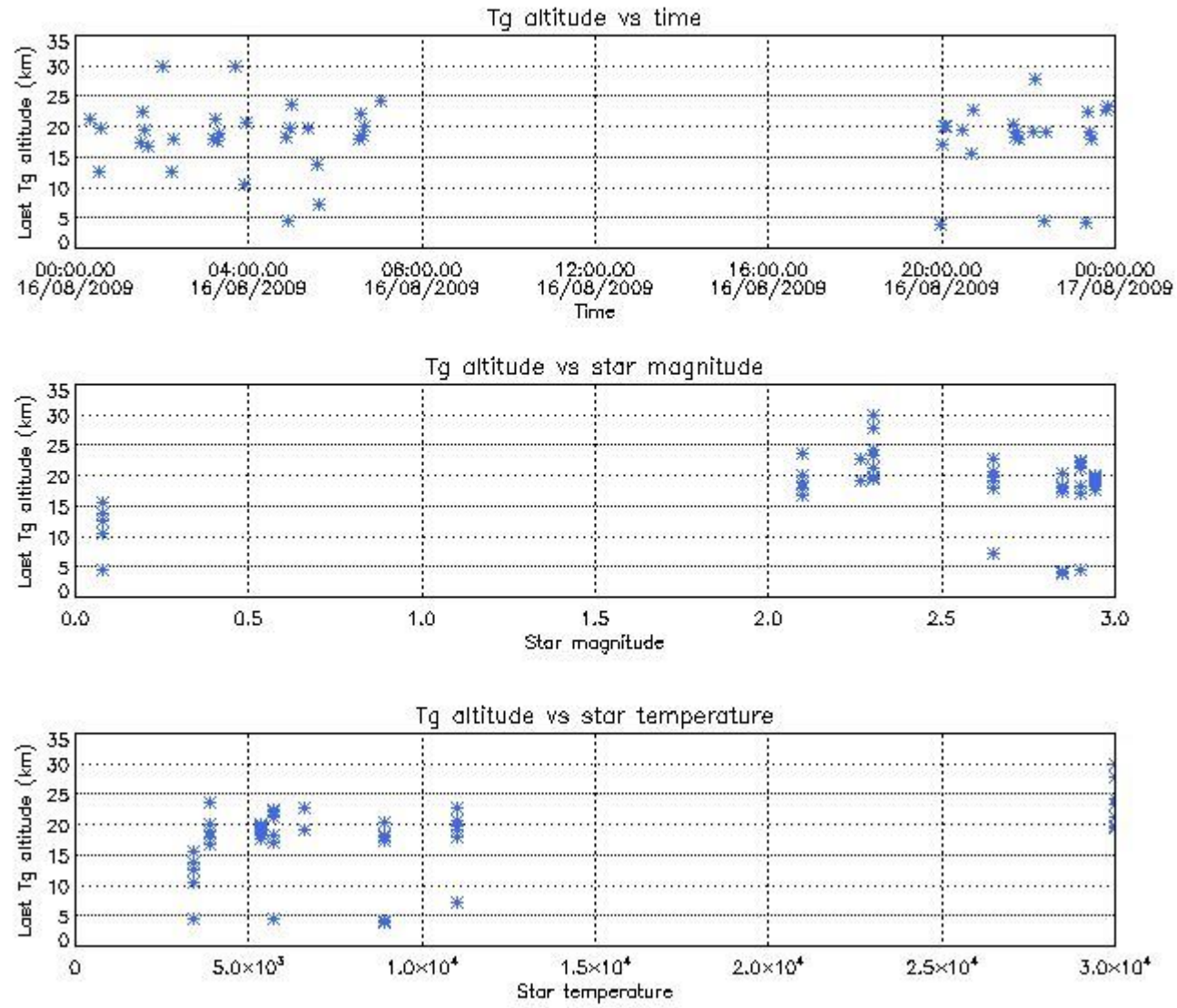
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost



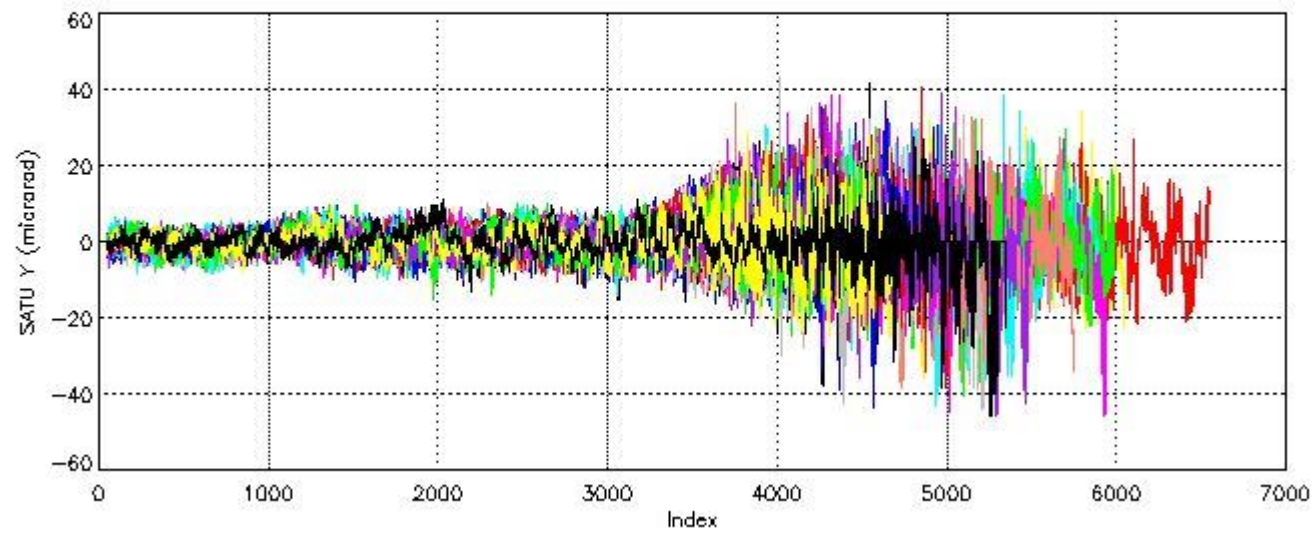
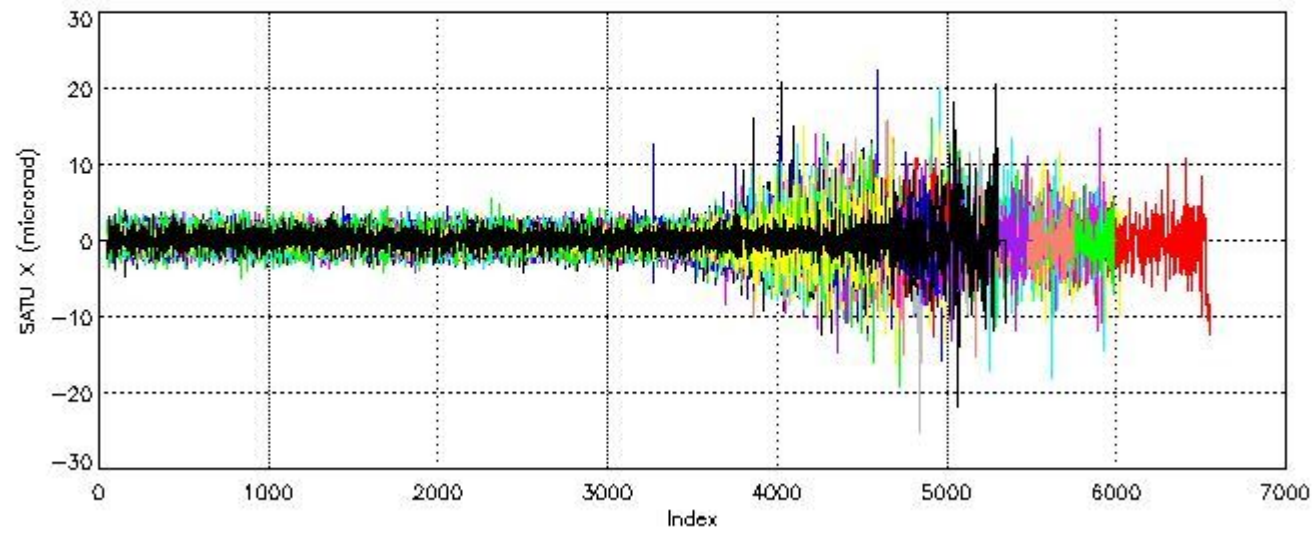
## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.21574	-0.60517	0.28362	-0.65707
St. deviation:	0.61973	1.6447	0.76282	1.8404
Maximum:	4.4000	6.4000	4.6000	8.2000
Minimum:	-5.0000	-8.5000	-3.8000	-9.0000



Number of data:	38450.	38450.	51200.	51200.
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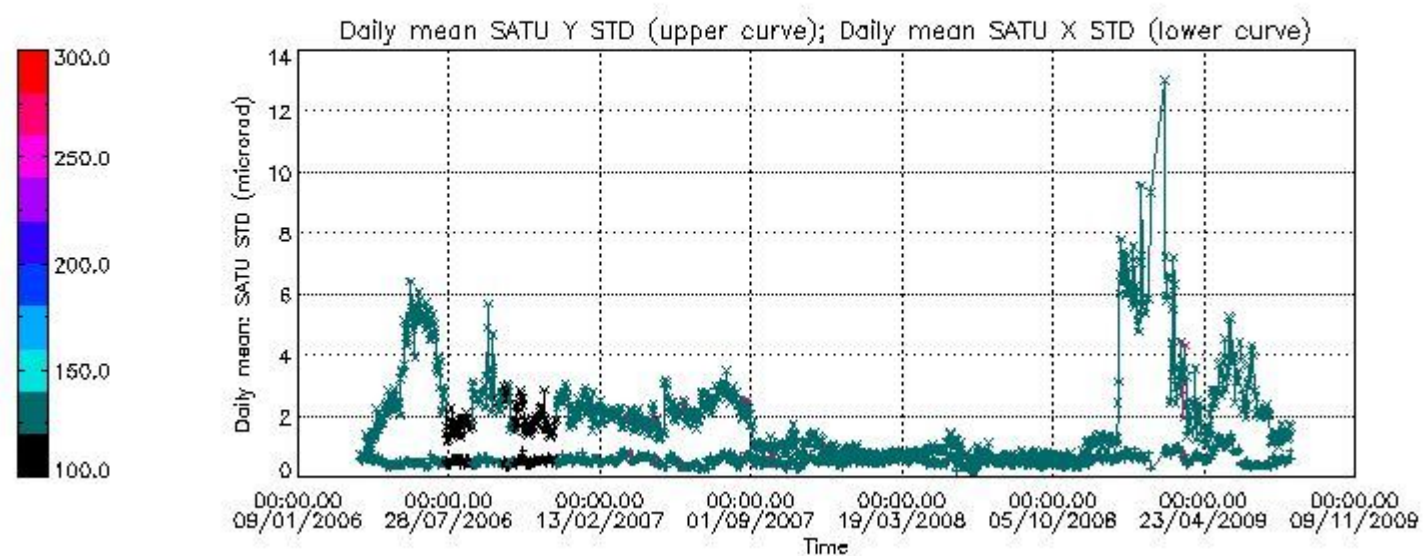
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

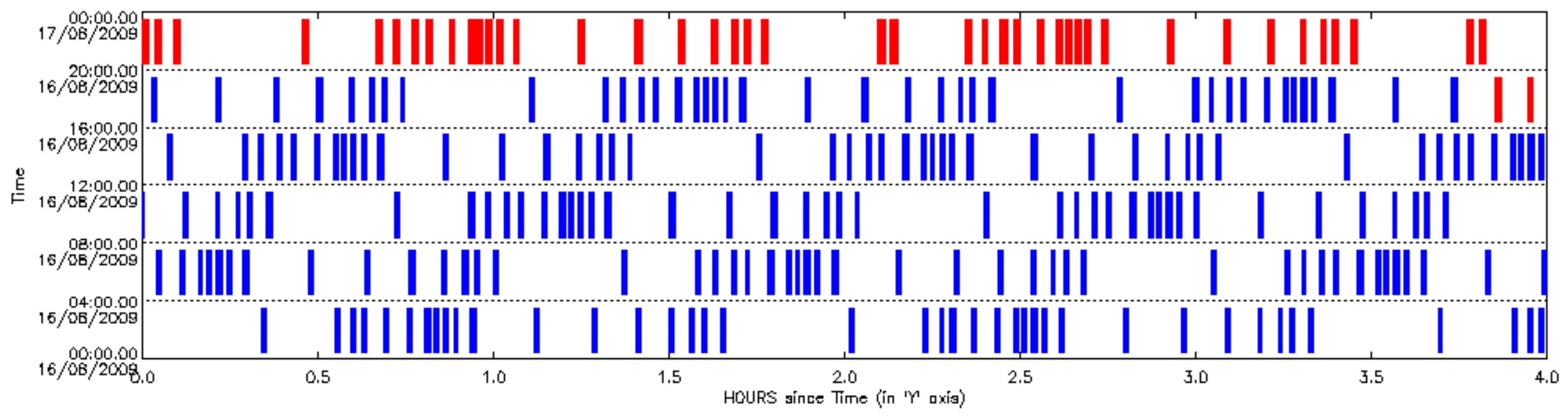
Lower curve: STD of SATU X axis

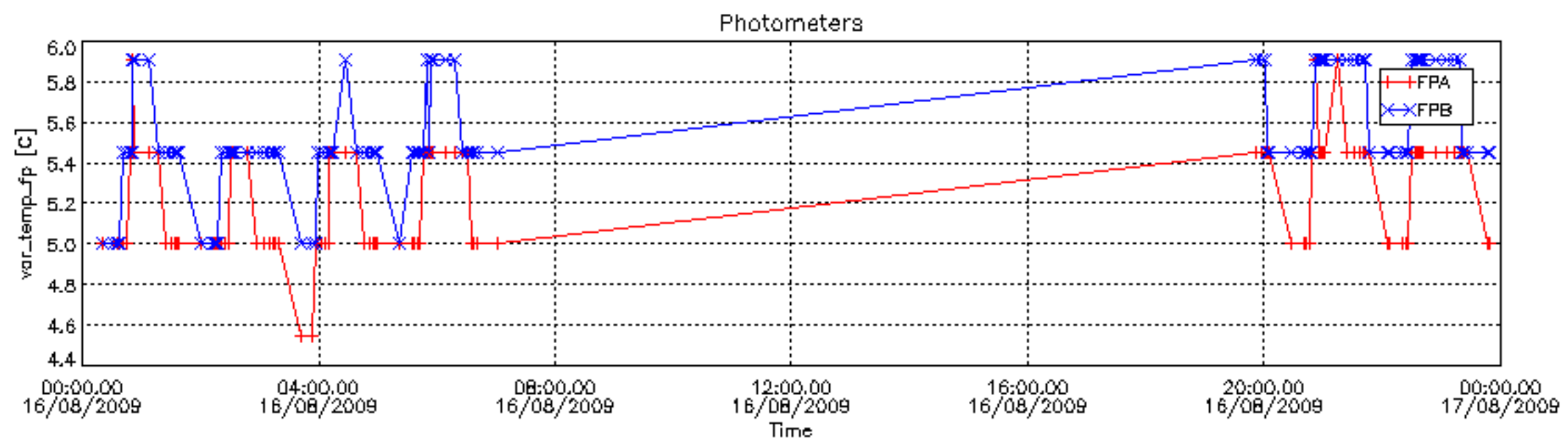
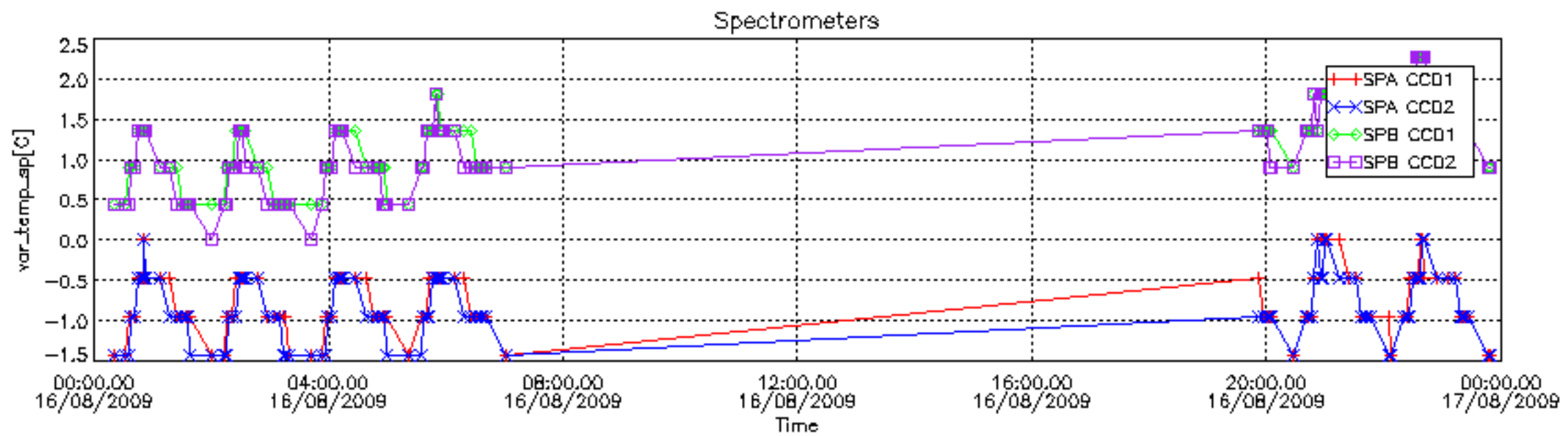


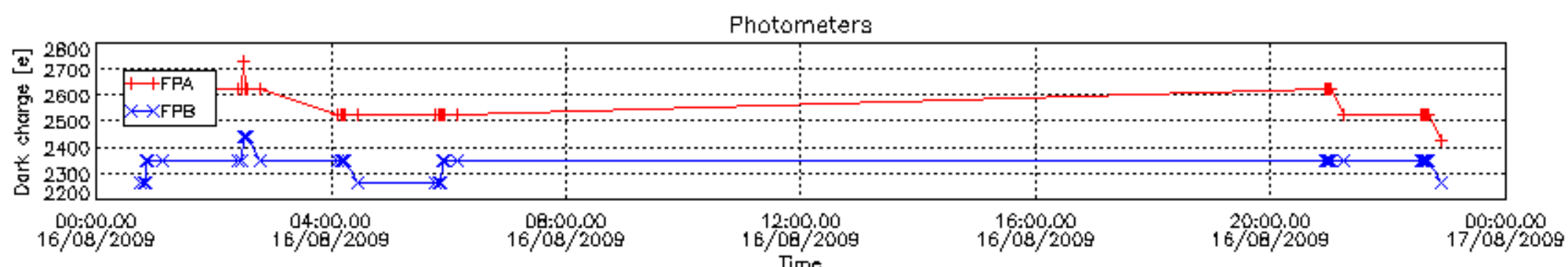
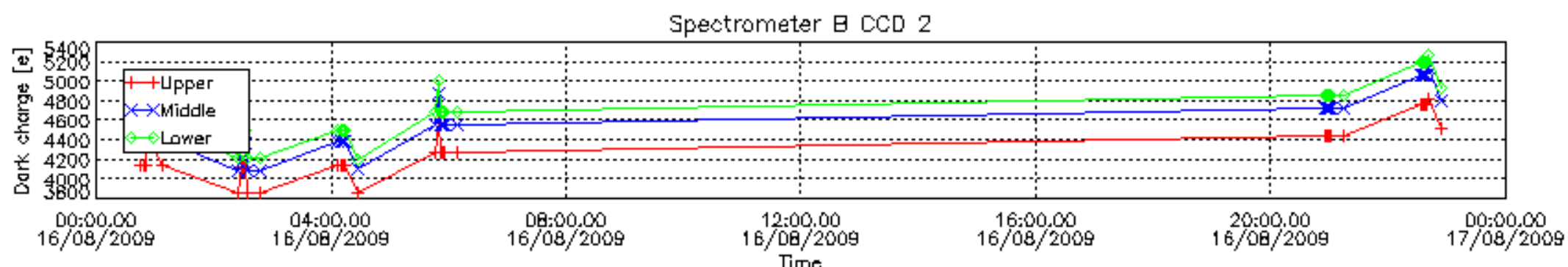
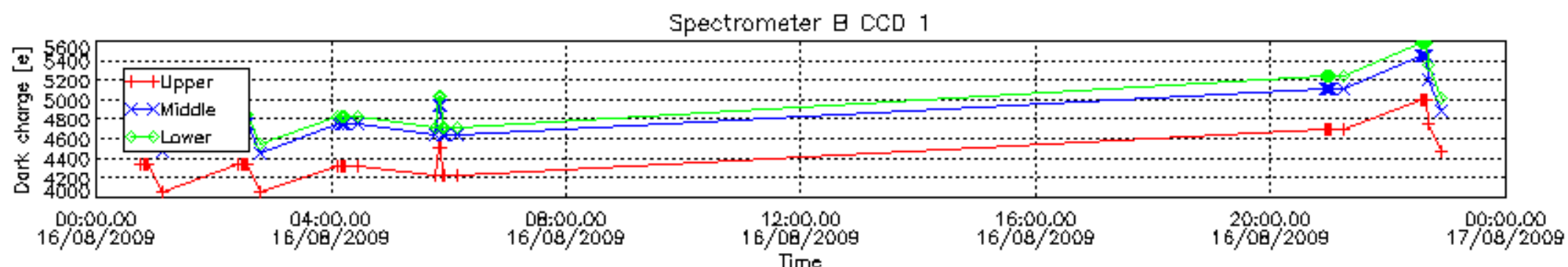
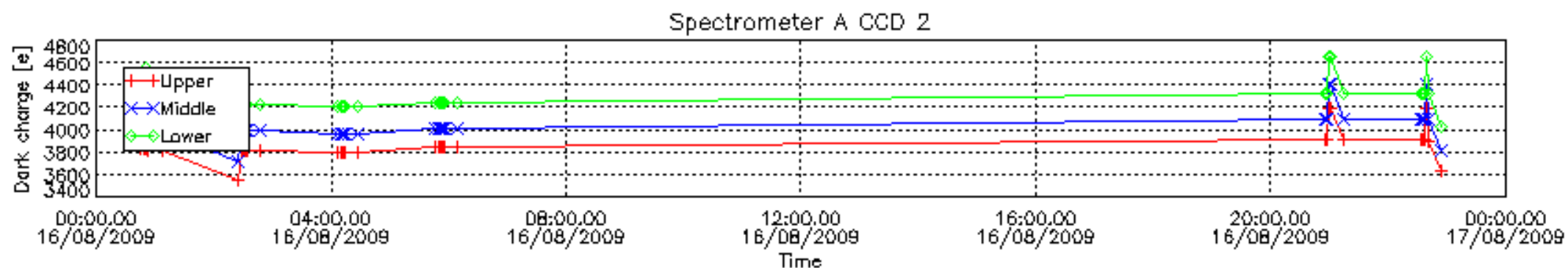
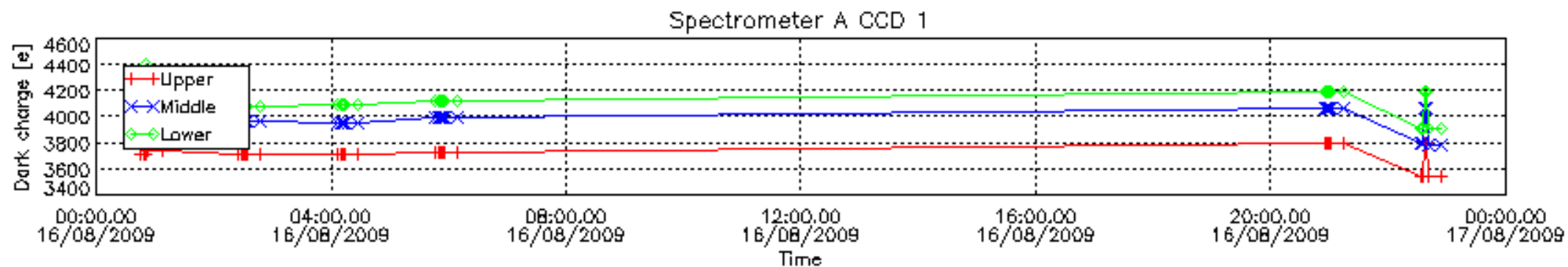
### 8. Auxiliary Data Files used for the production reported in section 2.4

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.

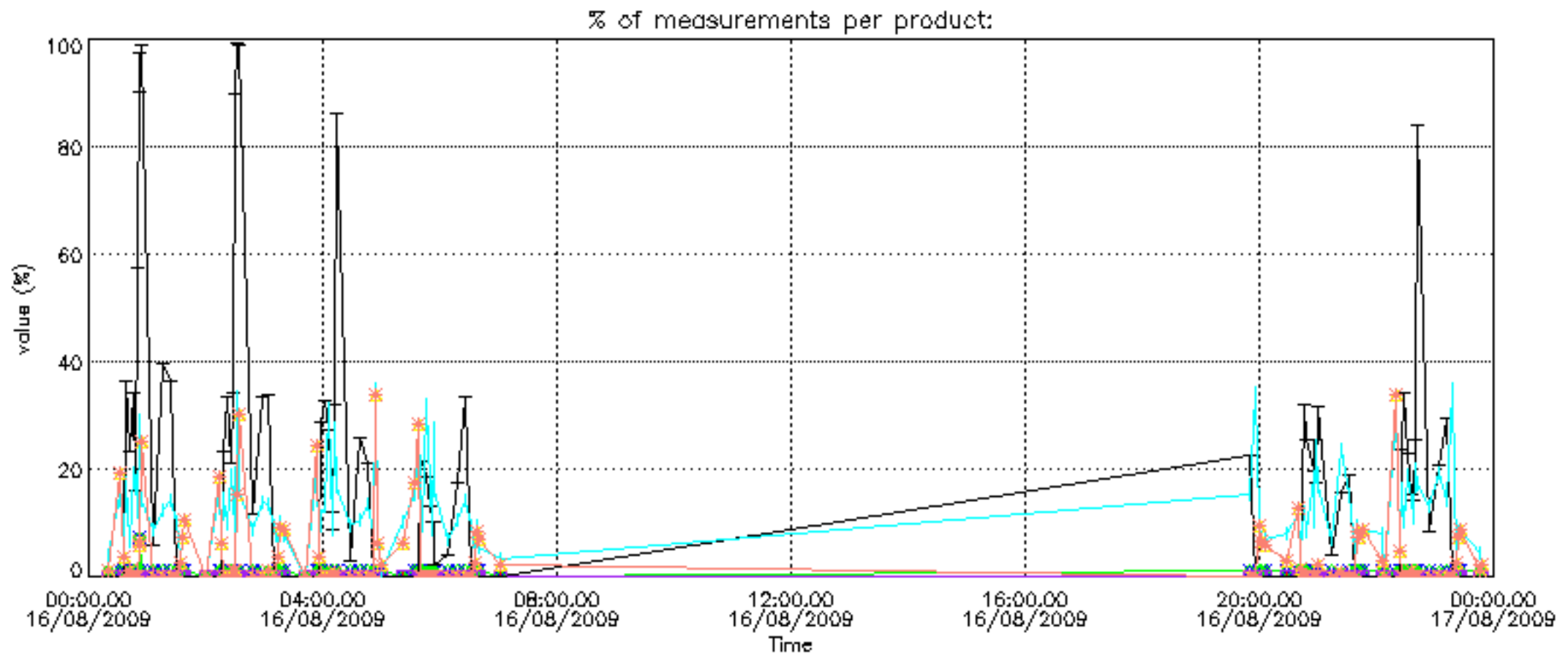
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	16-AUG-2009 00:20:11
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090811_154222_20090809_000000_20100101_000000	1	16-AUG-2009 00:20:11
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	16-AUG-2009 00:20:11
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	16-AUG-2009 00:20:11
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	16-AUG-2009 00:20:11
ECMWF_FILE	AUX_ECF_AXNECM20090815_112114_20090815_210000_20090816_090000	1	16-AUG-2009 00:20:11
ECMWF_FILE	AUX_ECF_AXNECM20090815_182112_20090816_030000_20090816_150000	37	16-AUG-2009 03:53:56
ECMWF_FILE	AUX_ECF_AXNECM20090816_064113_20090816_150000_20090817_030000	71	16-AUG-2009 19:50:58
ECMWF_FILE	AUX_ECF_AXNECM20090816_064113_20090816_210000_20090817_090000	103	16-AUG-2009 22:41:01
OPTIONAL_ECMWF_FILE	MISSING	1	16-AUG-2009 00:20:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090815_230601_000057382081_00373_39004_8564.N1	1	16-AUG-2009 00:20:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090816_004658_000044632081_00374_39005_8565.N1	10	16-AUG-2009 00:51:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090816_020639_000054192081_00375_39006_8566.N1	20	16-AUG-2009 02:13:20
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090816_034218_000057382081_00376_39007_8567.N1	37	16-AUG-2009 03:53:56
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090816_052315_000057382081_00377_39008_8568.N1	54	16-AUG-2009 05:34:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090816_194359_000038252081_00386_39017_8569.N1	71	16-AUG-2009 19:50:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090816_204744_000063762081_00386_39017_8570.N1	103	16-AUG-2009 22:41:01



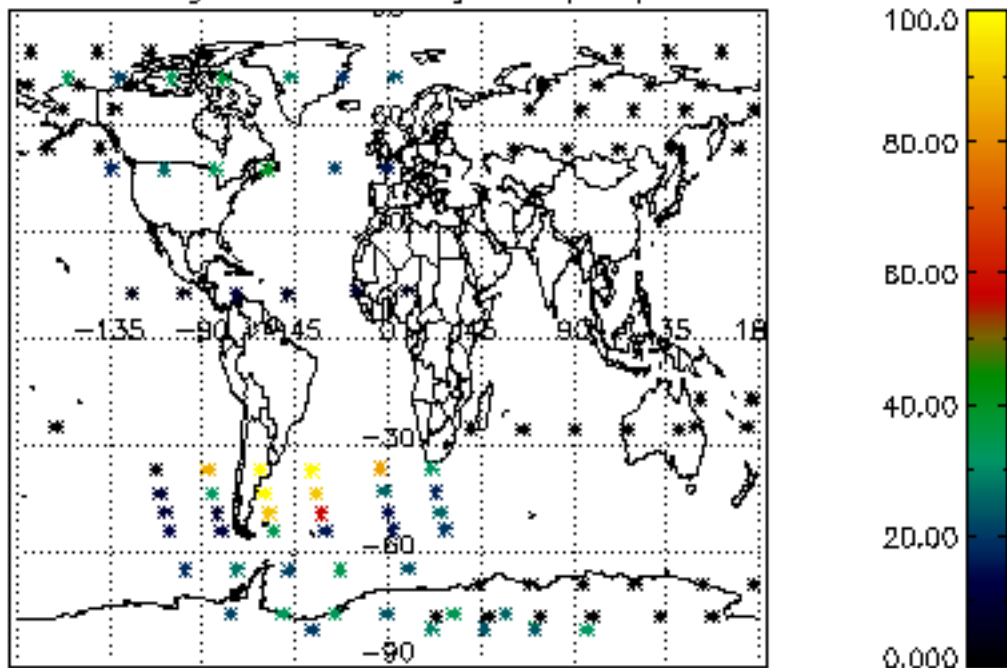




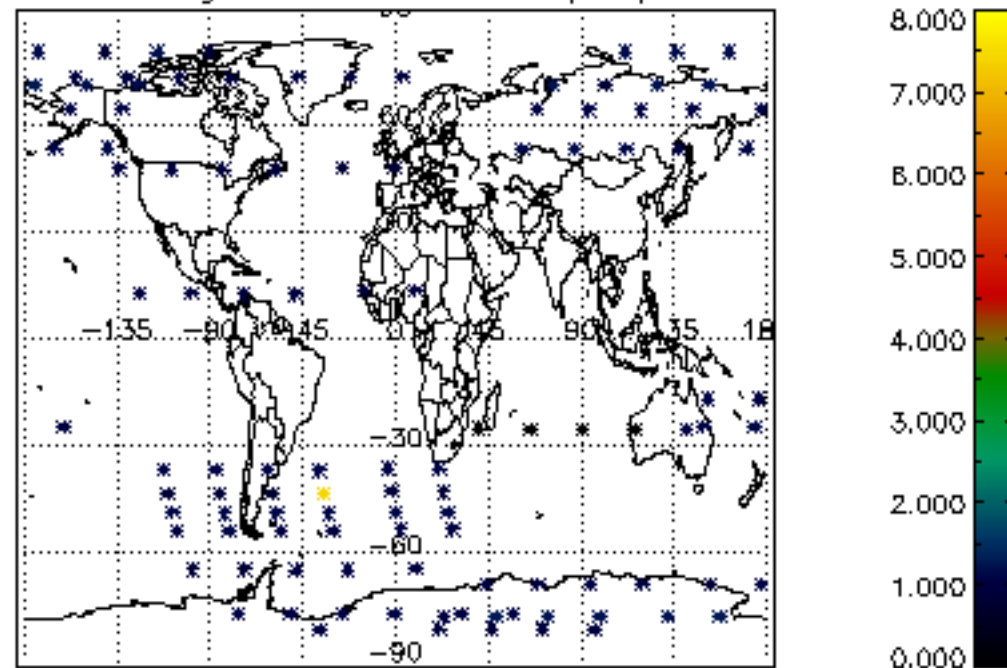




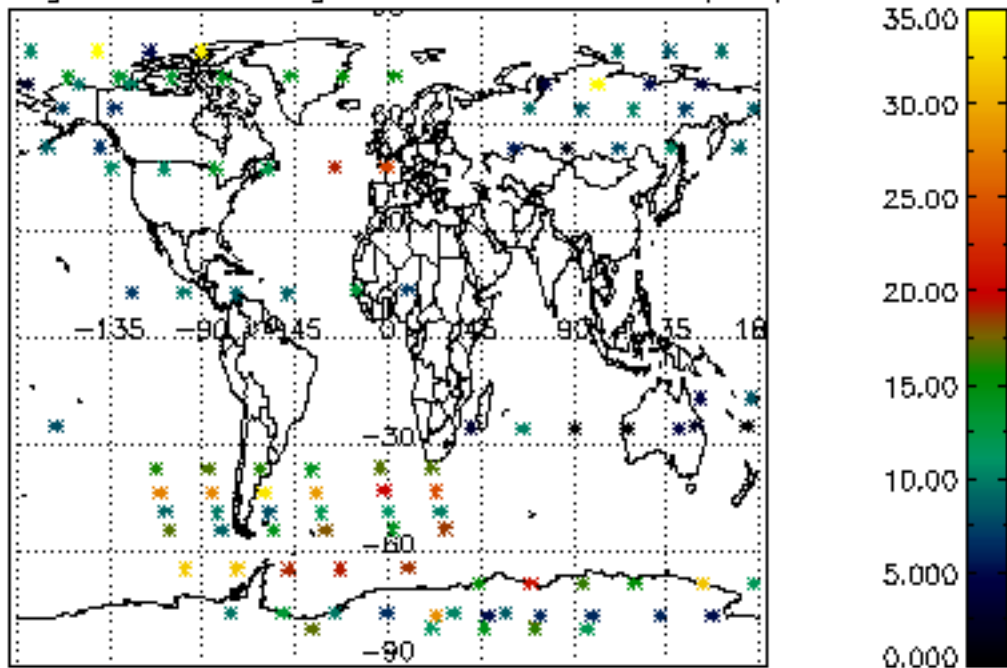
Percentage of cosmic ray hits per profile



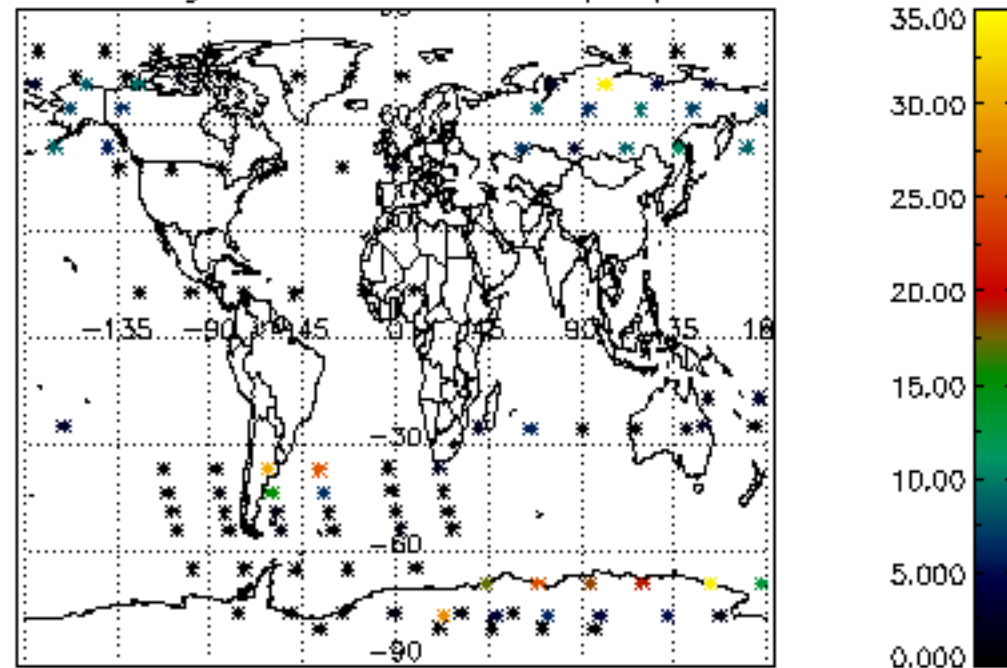
Percentage of datation errors per profile



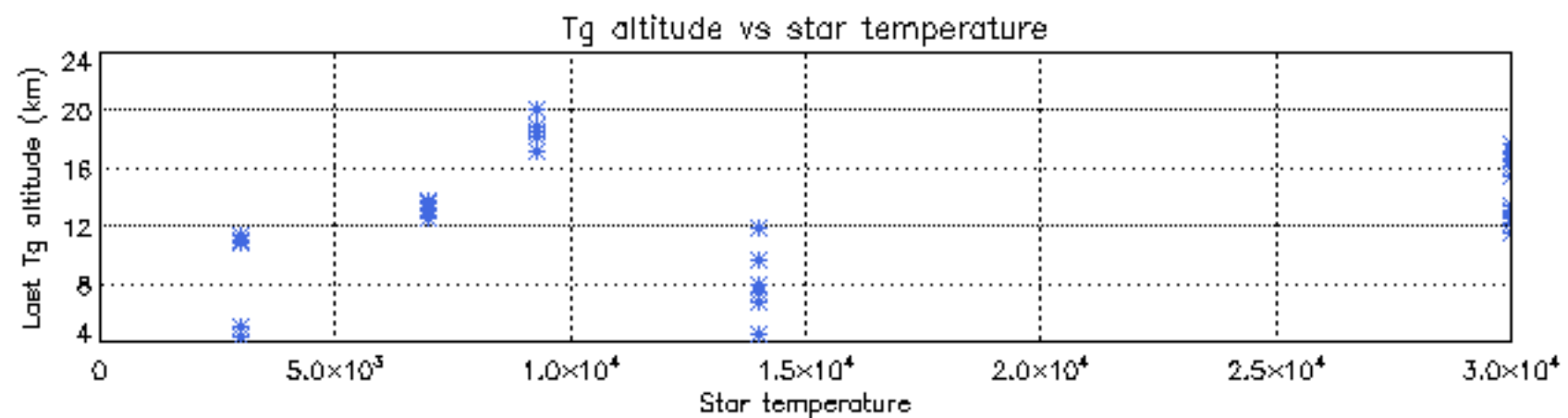
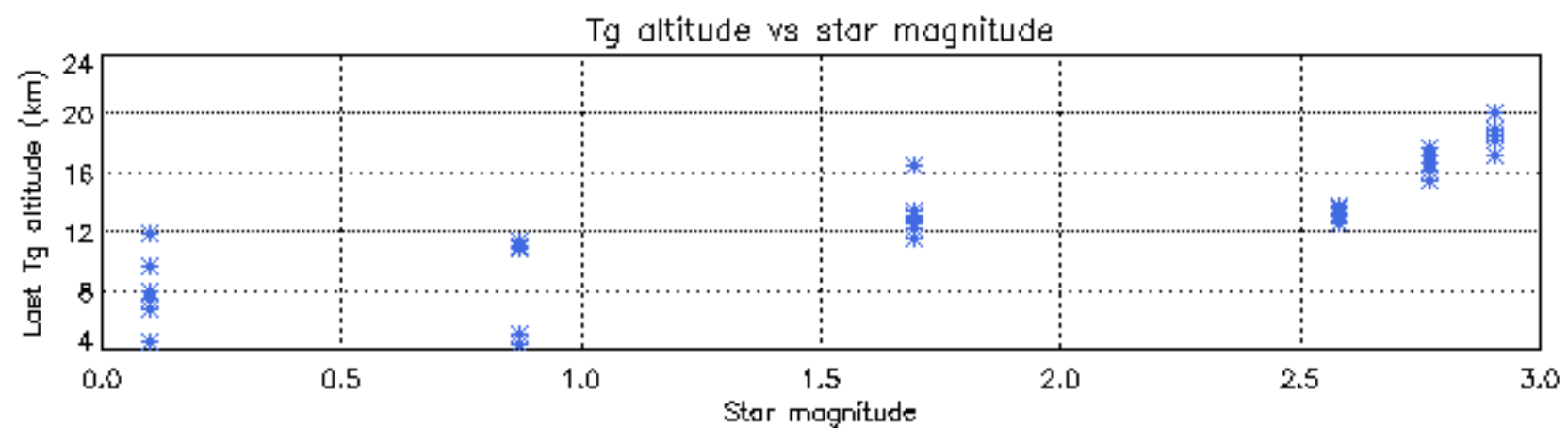
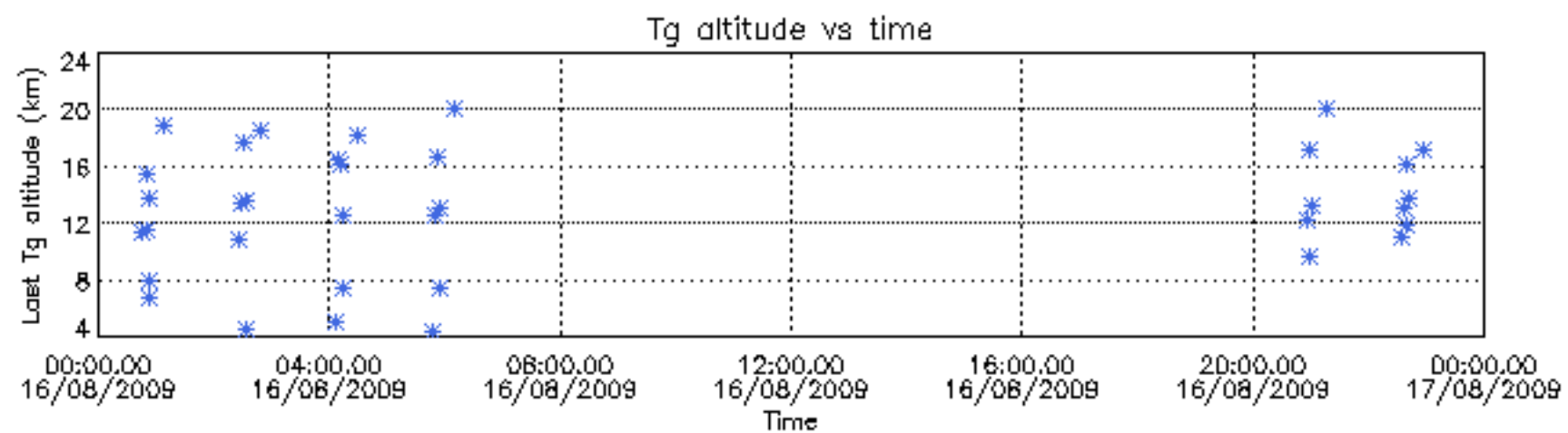
Percentage of star falling outside central band per profile



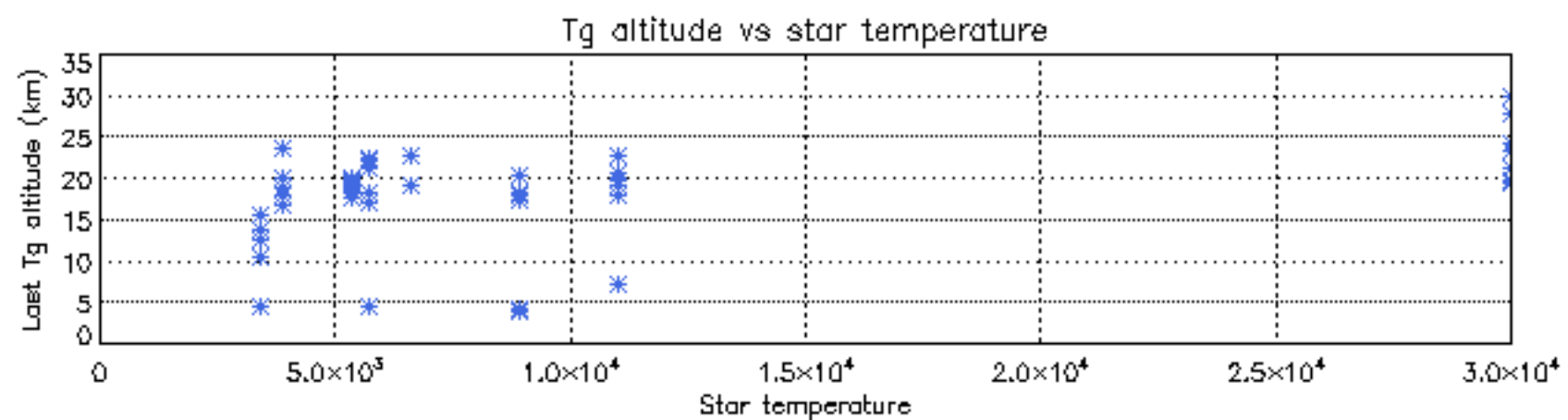
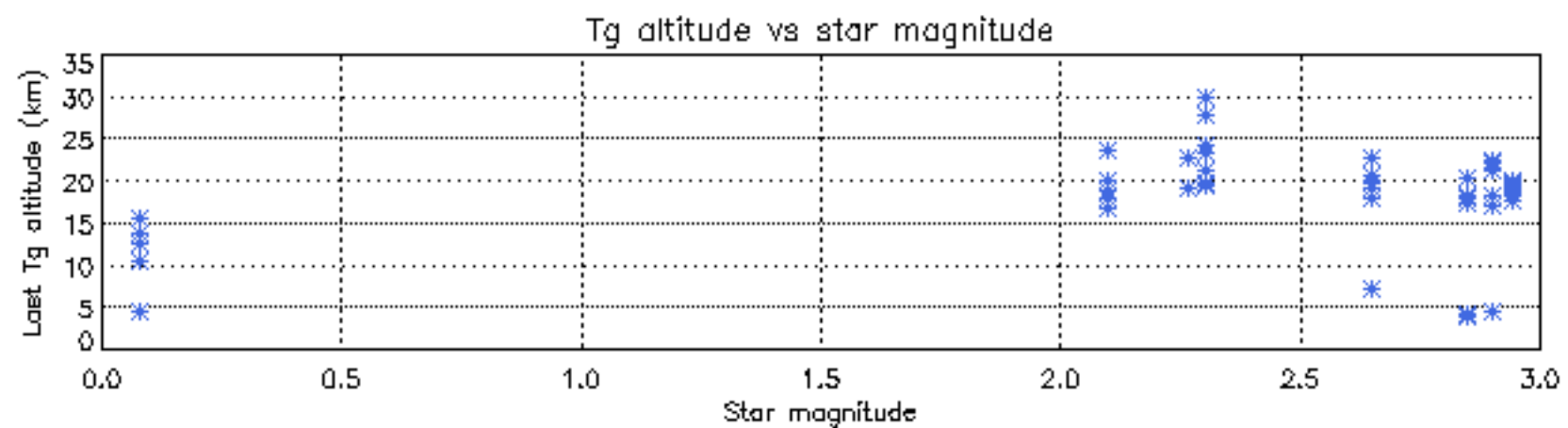
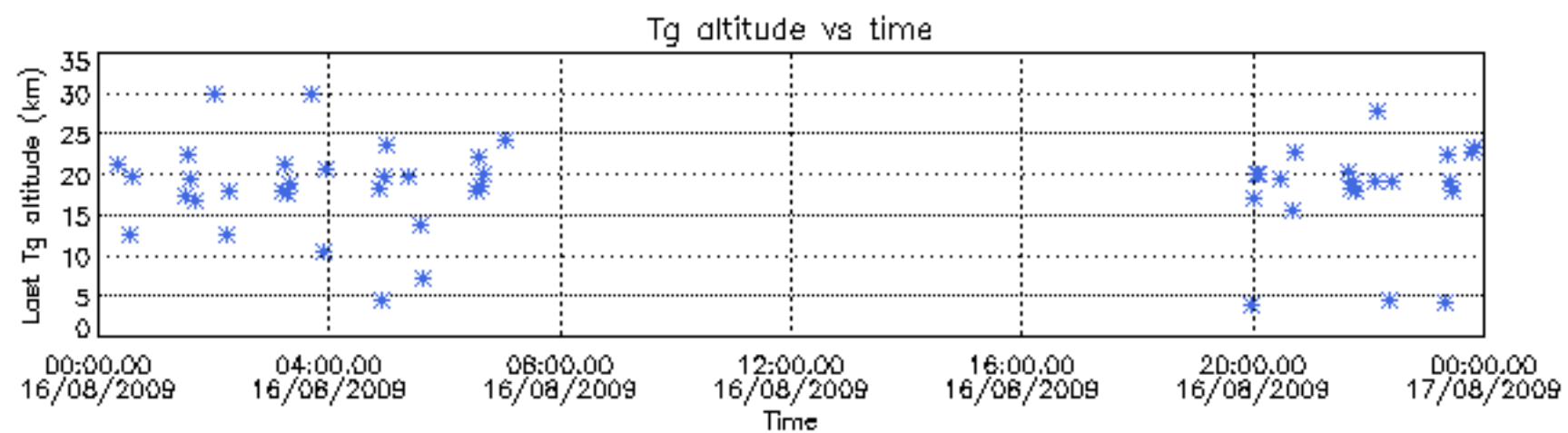
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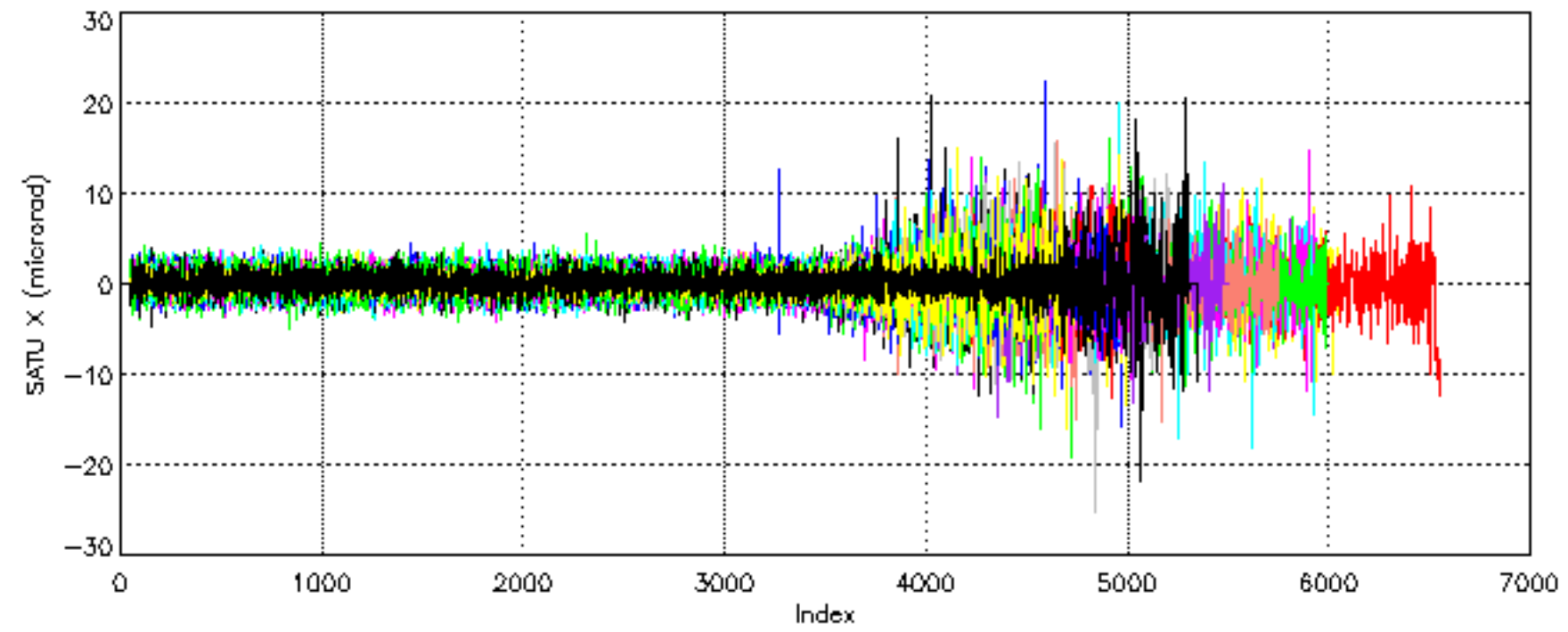
Tangent altitude at which the star is lost

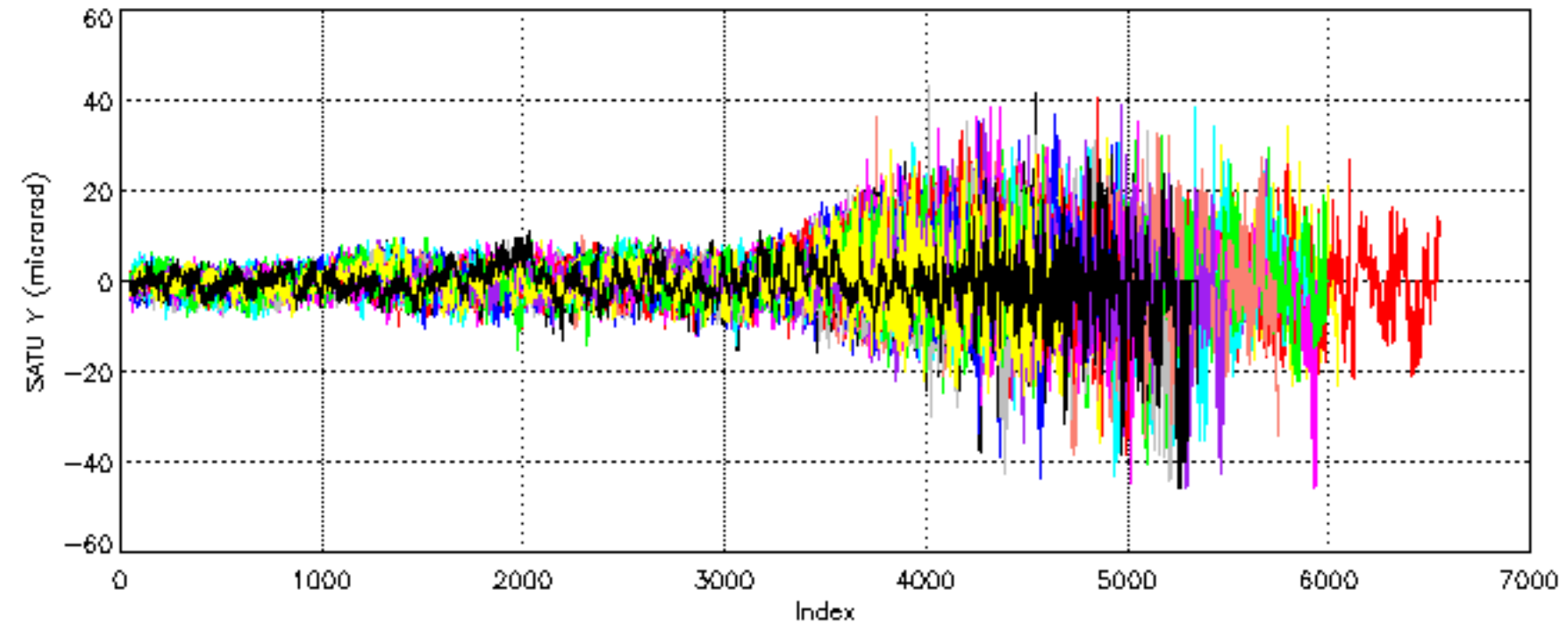


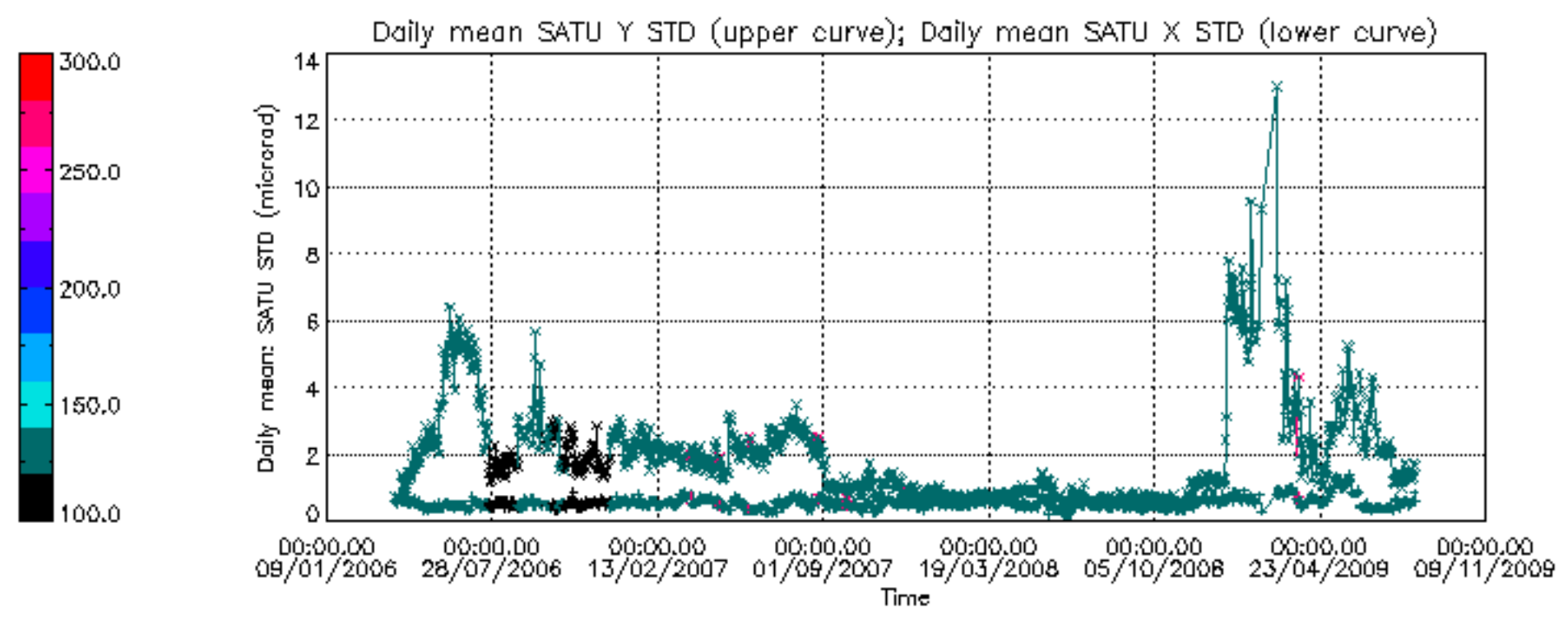
Tangent altitude at which the star is lost











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3; 2543.8; 06-AUG-2009 10:23:12; Bright; 42.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 85; 0;38868  
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6; 3060.3; 06-AUG-2009 10:31:49; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;38868



7; 3416.7; 06-AUG-2009 10:37:45; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38868  
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13; 4527.8; 06-AUG-2009 10:56:16; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38868  
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21; 6931.4; 06-AUG-2009 11:36:20; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;38868  
22; 7219.2; 06-AUG-2009 11:41:08; Dark ; 61.5; 18; 24Alp PsA ; 1.17; 9700;occ; 123; 0;38868  
23; 7613.5; 06-AUG-2009 11:47:42; Bright; 16.5; 142; 49Del Cap ; 2.85; 8900;occ; 33; 0;38868

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3; 2543.5; 06-AUG-2009 12:03:48; Bright; 40.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 80; 0;38869  
4; 2624.6; 06-AUG-2009 12:05:09; Bright; 38.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 76; 0;38869  
5; 2733.6; 06-AUG-2009 12:06:58; Bright; 58.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 116; 0;38869  
6; 3059.9; 06-AUG-2009 12:12:24; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38869  
7; 3415.9; 06-AUG-2009 12:18:20; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;38869  
8; 3541.4; 06-AUG-2009 12:20:26; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38869  
9; 3948.0; 06-AUG-2009 12:27:13; Bright; 48.0; 160; 23Gam Per ; 2.93; 4700;occ; 96; 0;38869  
10; 4054.6; 06-AUG-2009 12:28:59; Bright; 52.0; 35; 33Alp Per ; 1.79; 6250;occ; 104; 0;38869  
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12; 4311.2; 06-AUG-2009 12:33:16; Bright; 50.0; 149; 45Eps Per ; 2.89; 30000;occ; 100; 0;38869  
13; 4527.9; 06-AUG-2009 12:36:52; Dark ; 48.5; 28; 12Bet Tau ; 1.65; 15200;occ; 97; 0;38869  
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22; 7219.8; 06-AUG-2009 13:21:44; Dark ; 60.0; 18; 24Alp PsA ; 1.17; 9700;occ; 120; 0;38869

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4; 2624.3; 06-AUG-2009 13:45:45; Bright; 40.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 80; 0;38870  
5; 2733.3; 06-AUG-2009 13:47:34; Bright; 37.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 74; 0;38870  
6; 3059.8; 06-AUG-2009 13:53:00; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38870  
7; 3540.8; 06-AUG-2009 14:01:01; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;38870  
8; 3947.6; 06-AUG-2009 14:07:48; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;38870  
9; 4054.1; 06-AUG-2009 14:09:34; Bright; 54.0; 35; 33Alp Per ; 1.79; 6250;occ; 108; 0;38870  
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13; 4823.8; 06-AUG-2009 14:22:24; Dark ; 59.5; 13; 87Alp Tau ; 0.87; 3800;occ; 119; 0;38870  
14; 4939.6; 06-AUG-2009 14:24:20; Dark ; 47.0; 27; 24Gam Ori ; 1.64; 26000;occ; 94; 0;38870  
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16; 5531.6; 06-AUG-2009 14:34:12; Dark ; 60.0; 165; 34Gam Eri ; 2.95; 3200;occ; 120; 0;38870  
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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
8; 3540.3; 06-AUG-2009 15:41:37; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38871
9; 3947.3; 06-AUG-2009 15:48:24; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;38871
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13; 4528.5; 06-AUG-2009 15:58:05; Dark ; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;38871
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4; 2542.4; 06-AUG-2009 17:05:35; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38872
5; 2624.0; 06-AUG-2009 17:06:56; Bright; 38.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 76; 0;38872
6; 2733.0; 06-AUG-2009 17:08:45; Bright; 58.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 116; 0;38872
7; 3058.9; 06-AUG-2009 17:14:11; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38872
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9; 3539.5; 06-AUG-2009 17:22:12; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38872
10; 3946.8; 06-AUG-2009 17:28:59; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38872
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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6; 2721.9; 08-AUG-2009 21:07:08; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 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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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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8; 1580.9; 08-AUG-2009 22:28:43; Bright; 47.0; 142; 49Del Cap ; 2.85; 8900;occ; 94; 0;38904
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
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12; 2721.6; 08-AUG-2009 22:47:44; Bright; 57.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 114; 0;38904
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9; 1806.2; 09-AUG-2009 00:13:04; Bright; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;38905
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6; 3394.1; 08-AUG-2009 09:34:09; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;38896
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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 09:49:23; Bright; 55.5; 149; 45Eps Per ; 2.89; 30000;occ; 111; 0;38896
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3; 2533.0; 08-AUG-2009 11:00:23; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 0;38897
4; 2724.0; 08-AUG-2009 11:03:35; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;38897
5; 3050.0; 08-AUG-2009 11:09:00; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38897
6; 3393.3; 08-AUG-2009 11:14:44; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38897

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9; 4044.3; 08-AUG-2009 11:25:35; Bright; 51.0; 35; 33Alp Per ; 1.79; 6250;occ; 102; 0;38897  
10; 4199.9; 08-AUG-2009 11:28:10; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;38897  
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  
13; 4664.2; 08-AUG-2009 11:35:55; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38897  
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11; 4200.0; 08-AUG-2009 13:08:46; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;38898  
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22; 6947.5; 08-AUG-2009 13:54:34; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;38898  
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3; 2158.9; 08-AUG-2009 14:15:21; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38899  
4; 2532.3; 08-AUG-2009 14:21:35; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38899  
5; 2723.3; 08-AUG-2009 14:24:46; Bright; 40.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 81; 0;38899  
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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  
12; 4308.6; 08-AUG-2009 14:51:11; Bright; 51.5; 149; 45Eps Per ; 2.89; 30000;occ; 103; 0;38899  
13; 4533.3; 08-AUG-2009 14:54:56; Dark ; 49.5; 28; 12Bet Tau ; 1.65; 15200;occ; 99; 0;38899  
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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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 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  
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 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  
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 11; 4199.7; 09-AUG-2009 09:15:57; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;38910  
 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  
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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  
 18; 5581.3; 09-AUG-2009 09:38:59; Dark ; 58.0; 165; 34Gam Eri ; 2.95; 3200;occ; 116; 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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12; 4535.4; 09-AUG-2009 11:02:09; Dark ; 47.5; 28; 12Bet Tau ; 1.65; 15200;occ; 95; 0;38911
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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7; 3510.0; 09-AUG-2009 12:25:39; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 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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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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17; 5585.4; 09-AUG-2009 14:40:51; Dark ; 66.5; 165; 34Gam Eri ; 2.95; 3200;occ; 133; 0;38913
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 7; 2714.0; 10-AUG-2009 16:42:34; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;38929
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 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
11; 3919.5; 10-AUG-2009 17:02:40; Bright; 75.0; 160; 23Gam Per ; 2.93; 4700;occ; 150; 0;38929
12; 4031.6; 10-AUG-2009 17:04:32; Bright; 52.0; 35; 33Alp Per ; 1.79; 6250;occ; 104; 0;38929
13; 4198.8; 10-AUG-2009 17:07:19; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;38929
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11; 732.5; 10-AUG-2009 17:50:09; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;38930
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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
 7; 2714.0; 10-AUG-2009 16:42:34; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;38929

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 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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 4; 1945.9; 10-AUG-2009 18:10:22; Bright; 31.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 62; 0;38930  
 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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 22; 5843.3; 10-AUG-2009 19:15:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38930  
 23; 6158.5; 10-AUG-2009 19:20:35; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38930  
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6; 737.1; 11-AUG-2009 02:13:13; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38935
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12; 128.0; 11-AUG-2009 03:43:40; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38936
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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13; 738.9; 11-AUG-2009 05:34:26; Dark ; 57.0; 84; Alp Phe ; 2.40; 4500;occ; 114; 0;38937
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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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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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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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 3; 2139.6; 11-AUG-2009 09:18:59; Bright; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;38939  
 4; 2519.4; 11-AUG-2009 09:25:19; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38939  
 5; 2711.1; 11-AUG-2009 09:28:31; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38939  
 6; 3036.1; 11-AUG-2009 09:33:56; Bright; 57.0; 89; 5Alp Cep ; 2.45; 8000;occ; 114; 0;38939  
 7; 3359.3; 11-AUG-2009 09:39:19; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;38939  
 8; 3490.0; 11-AUG-2009 09:41:29; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38939  
 9; 3914.5; 11-AUG-2009 09:48:34; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;38939  
 10; 4027.4; 11-AUG-2009 09:50:27; Bright; 58.0; 35; 33Alp Per ; 1.79; 6250;occ; 116; 0;38939  
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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  
 15; 4970.7; 11-AUG-2009 10:06:10; Dark ; 46.5; 27; 24Gam Ori ; 1.64; 26000;occ; 93; 0;38939  
 16; 5086.5; 11-AUG-2009 10:08:06; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;38939  
 17; 5254.1; 11-AUG-2009 10:10:54; Dark ; 53.0; 7; 19Bet Ori ; 0.10; 14000;occ; 106; 0;38939  
 18; 5621.2; 11-AUG-2009 10:17:01; Dark ; 72.5; 165; 34Gam Eri ; 2.95; 3200;occ; 145; 0;38939  
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 20; 6168.4; 11-AUG-2009 10:26:08; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38939  
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 22; 7257.3; 11-AUG-2009 10:44:17; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;38939  
 23; 7620.5; 11-AUG-2009 10:50:20; Bright; 62.5; 142; 49Del Cap ; 2.85; 8900;occ; 125; 0;38939

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 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
15; 4971.2; 11-AUG-2009 11:46:47; Dark ; 48.0; 27; 24Gam Ori ; 1.64; 26000;occ; 96; 0;38940
16; 5086.9; 11-AUG-2009 11:48:42; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;38940
17; 5254.8; 11-AUG-2009 11:51:30; Dark ; 50.0; 7; 19Bet Ori ; 0.10; 14000;occ; 100; 0;38940
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 4; -1493.6; 12-AUG-2009 04:25:37; Dark ; 46.0; 28; 12Bet Tau ; 1.65; 15200;occ; 92; 0;38950  
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 6; -1168.9; 12-AUG-2009 04:31:02; Dark ; 68.0; 13; 87Alp Tau ; 0.87; 3800;occ; 136; 0;38950  
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 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  
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 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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3; -1939.1; 12-AUG-2009 05:58:47; Bright; 56.5; 175; 39Del Per ; 3.01; 19400;occ; 113; 0;38951  
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7; -1059.2; 12-AUG-2009 06:13:27; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;38951  
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11; -397.2; 12-AUG-2009 06:24:29; Dark ; 55.0; 165; 34Gam Eri ; 2.95; 3200;occ; 110; 0;38951  
12; -174.0; 12-AUG-2009 06:28:13; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38951  
13; 146.1; 12-AUG-2009 06:33:33; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38952  
14; 752.7; 12-AUG-2009 06:43:39; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38952  
15; 1227.2; 12-AUG-2009 06:51:34; Dark ; 55.5; 18; 24Alp PsA ; 1.17; 9700;occ; 111; 0;38952  
16; 1586.1; 12-AUG-2009 06:57:33; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38952  
17; 1802.5; 12-AUG-2009 07:01:09; Bright; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;38952  
18; 1938.3; 12-AUG-2009 07:03:25; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38952  
19; 2134.1; 12-AUG-2009 07:06:41; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38952  
20; 2515.8; 12-AUG-2009 07:13:02; Bright; 40.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 80; 0;38952  
21; 2707.8; 12-AUG-2009 07:16:14; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38952  
22; 3032.0; 12-AUG-2009 07:21:39; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38952  
23; 3349.0; 12-AUG-2009 07:26:56; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;38952  
24; 3480.3; 12-AUG-2009 07:29:07; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38952

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

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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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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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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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3; 2133.6; 12-AUG-2009 08:47:16; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38953  
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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  
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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  
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 7; 763.4; 13-AUG-2009 02:51:01; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;38964
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12; 2129.2; 13-AUG-2009 03:13:47; Bright; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;38964
13; 2512.6; 13-AUG-2009 03:20:10; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38964
14; 3028.3; 13-AUG-2009 03:28:46; Bright; 35.0; 89; 5Alp Cep ; 2.45; 8000;occ; 70; 0;38964
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 6;-1353.7; 13-AUG-2009 03:56:20; Dark ; 45.5; 176; 23Zet Tau ; 3.02; 22000;occ; 91; 0;38964
 7;-1160.4; 13-AUG-2009 03:59:33; Dark ; 70.5; 13; 87Alp Tau ; 0.87; 3800;occ; 141; 0;38964
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13; 160.9; 13-AUG-2009 04:21:34; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;38965
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19; 2128.8; 13-AUG-2009 04:54:22; Bright; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;38965
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22; 3338.6; 13-AUG-2009 05:14:32; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;38965
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 4; 1931.6; 13-AUG-2009 19:56:29; Bright; 49.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 99; 0;38974  
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 12; 2509.9; 13-AUG-2009 21:46:43; Bright; 37.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 75; 0;38975  
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 14; 3330.6; 13-AUG-2009 22:00:23; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;38975  
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4; 2126.5; 13-AUG-2009 14:57:55; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38971
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9; 3897.1; 13-AUG-2009 15:27:26; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;38971
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3; 1240.3; 14-AUG-2009 05:48:33; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38980
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5; 1801.0; 14-AUG-2009 05:57:53; Bright; 41.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 82; 0;38980
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3; 1800.6; 14-AUG-2009 21:03:16; Bright; 42.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 84; 0;38989
4; 1927.4; 14-AUG-2009 21:05:23; Bright; 49.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 98; 0;38989
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12; 814.6; 17-AUG-2009 07:27:48; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;39024
13; 1259.0; 17-AUG-2009 07:35:12; Dark ; 50.5; 18; 24Alp PsA ; 1.17; 9700;occ; 101; 0;39024
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 17; 6851.4; 17-AUG-2009 09:08:25; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;39024  
 18; 7295.4; 17-AUG-2009 09:15:49; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;39024  
 19; 7630.0; 17-AUG-2009 09:21:23; Bright; 42.5; 142; 49Del Cap ; 2.85; 8900;occ; 85; 0;39024

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 4; 3291.8; 17-AUG-2009 09:49:41; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;39025  
 5; 3425.3; 17-AUG-2009 09:51:54; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;39025  
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 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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 5; 3424.7; 17-AUG-2009 11:32:30; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;39026  
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 16; 6269.5; 17-AUG-2009 12:19:54; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;39026  
 17; 6853.0; 17-AUG-2009 12:29:38; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;39026  
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 4; 2107.8; 17-AUG-2009 12:51:09; Bright; 44.0; 61; 8Eps Peg ; 2.10; 3900;occ; 88; 0;39027  
 5; 3290.1; 17-AUG-2009 13:10:51; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39027  
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 7; 4191.8; 17-AUG-2009 13:25:53; Bright; 63.0; 6; 13Alp Aur ; 0.08; 3400;occ; 126; 0;39027



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4; 2107.6; 17-AUG-2009 14:31:44; Bright; 43.5; 61; 8Eps Peg ; 2.10; 3900;occ; 87; 0;39028
5; 3289.7; 17-AUG-2009 14:51:26; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39028
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19; 6855.5; 17-AUG-2009 17:31:28; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;39029
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4; 2096.9; 20-AUG-2009 14:37:18; Bright; 61.0; 61; 8Eps Peg ; 2.10; 3900;occ; 122; 0;39071
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4; 1909.7; 20-AUG-2009 17:55:23; Bright; 44.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 89; 0;39073
5; 2096.2; 20-AUG-2009 17:58:30; Bright; 60.0; 61; 8Eps Peg ; 2.10; 3900;occ; 120; 0;39073
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 5; -384.3; 21-AUG-2009 21:47:20; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39089
 6; 309.7; 21-AUG-2009 21:58:54; Dark ; 55.0; 157; The1Eri ; 2.91; 9300;occ; 110; 0;39090
 7; 866.2; 21-AUG-2009 22:08:10; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;39090
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 9; 1907.0; 21-AUG-2009 22:25:31; Bright; 44.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 88; 0;39090
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11; 2594.0; 21-AUG-2009 22:36:58; Bright; 47.0; 164; 44Eta Peg ; 2.95; 5400;occ; 94; 0;39090
12; 3242.8; 21-AUG-2009 22:47:47; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;39090
13; 3376.5; 21-AUG-2009 22:50:01; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;39090
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16; 4479.2; 21-AUG-2009 23:08:24; Dark ; 53.0; 114; 3Iot Aur ; 2.69; 4600;occ; 106; 0;39090
17; 4570.3; 21-AUG-2009 23:09:55; Dark ; 58.5; 28; 12Bet Tau ; 1.65; 15200;occ; 117; 0;39090
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19; 4972.2; 21-AUG-2009 23:16:37; Dark ; 63.0; 14; 58Alp Ori ; 0.87; 3000;occ; 126; 0;39090
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22; 5268.9; 21-AUG-2009 23:21:33; Dark ; 48.5; 125; 44Iot Ori ; 2.77; 30000;occ; 97; 0;39090
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6; 867.1; 21-AUG-2009 23:48:47; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;39091
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9; -667.8; 21-AUG-2009 06:37:13; Dark ; 66.5; 7; 19Bet Ori ; 0.10; 14000;occ; 133; 0;39080
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12; 298.9; 21-AUG-2009 06:53:20; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;39081
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14; 1281.2; 21-AUG-2009 07:09:42; Dark ; 49.5; 18; 24Alp PsA ; 1.17; 9700;occ; 99; 0;39081
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4; 2601.4; 21-AUG-2009 07:31:42; Bright; 51.0; 164; 44Eta Peg ; 2.95; 5400;occ; 102; 0;39081
5; 3249.4; 21-AUG-2009 07:42:30; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;39081
6; 3383.2; 21-AUG-2009 07:44:44; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39081
7; 4185.3; 21-AUG-2009 07:58:06; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;39081
8; 4372.2; 21-AUG-2009 08:01:13; Bright; 40.5; 107; 37The Aur ; 2.65; 11000;occ; 81; 0;39081
9; 4568.6; 21-AUG-2009 08:04:30; Dark ; 53.5; 28; 12Bet Tau ; 1.65; 15200;occ; 107; 0;39081
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19; 6896.3; 21-AUG-2009 08:43:17; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;39081
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21; 7636.3; 21-AUG-2009 08:55:37; Bright; 41.5; 142; 49Del Cap ; 2.85; 8900;occ; 83; 0;39081
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4; 2600.7; 21-AUG-2009 09:12:18; Bright; 50.5; 164; 44Eta Peg ; 2.95; 5400;occ; 101; 0;39082
5; 3248.6; 21-AUG-2009 09:23:06; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39082
6; 3382.6; 21-AUG-2009 09:25:19; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;39082
7; 4185.3; 21-AUG-2009 09:38:42; Bright; 50.0; 6; 13Alp Aur ; 0.08; 3400;occ; 100; 0;39082
8; 4372.2; 21-AUG-2009 09:41:49; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;39082
9; 4568.9; 21-AUG-2009 09:45:06; Dark ; 54.0; 28; 12Bet Tau ; 1.65; 15200;occ; 108; 0;39082
10; 4720.1; 21-AUG-2009 09:47:37; Dark ; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;39082

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11; 4968.5; 21-AUG-2009 11:32:21; Dark ; 54.5; 14; 58Alp Ori ; 0.87; 3000;occ; 109; 0;39083
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13; 5175.1; 21-AUG-2009 11:35:48; Dark ; 56.0; 30; 46Eps Ori ; 1.69; 30000;occ; 112; 0;39083
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8; 4654.9; 24-AUG-2009 09:52:17; Dark ; 49.5; 151; 13Mu Gem ; 2.89; 3000;occ; 99; 0;39125
9; 4754.2; 24-AUG-2009 09:53:56; Dark ; 42.0; 44; 24Gam Gem ; 1.93; 11000;occ; 84; 0;39125
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13; 5326.9; 24-AUG-2009 10:03:29; Dark ; 48.5; 56; 53Kap Ori ; 2.07; 30000;occ; 97; 0;39125
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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
22; 5345.0; 25-AUG-2009 22:56:57; Dark ; 37.0; 56; 53Kap Ori ; 2.07; 30000;occ; 74; 0;39147

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 4; -330.5; 25-AUG-2009 23:02:57; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39147  
 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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 2; 1900.8; 25-AUG-2009 16:57:45; Bright; 43.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 86; 0;39144  
 3; 2083.7; 25-AUG-2009 17:00:48; Bright; 42.0; 61; 8Eps Peg ; 2.10; 3900;occ; 84; 0;39144  
 4; 2553.9; 25-AUG-2009 17:08:38; Bright; 69.0; 164; 44Eta Peg ; 2.95; 5400;occ; 138; 0;39144  
 5; 3203.8; 25-AUG-2009 17:19:28; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39144  
 6; 3336.4; 25-AUG-2009 17:21:41; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;39144  
 7; 4175.5; 25-AUG-2009 17:35:40; Bright; 59.5; 6; 13Alp Aur ; 0.08; 3400;occ; 119; 0;39144  
 8; 4375.4; 25-AUG-2009 17:39:00; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;39144  
 9; 4583.0; 25-AUG-2009 17:42:27; Dark ; 61.0; 28; 12Bet Tau ; 1.65; 15200;occ; 122; 0;39144  
 10; 4760.5; 25-AUG-2009 17:45:25; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;39144  
 11; 5003.9; 25-AUG-2009 17:49:28; Dark ; 62.0; 14; 58Alp Ori ; 0.87; 3000;occ; 124; 0;39144  
 12; 5107.8; 25-AUG-2009 17:51:12; Dark ; 59.5; 27; 24Gam Ori ; 1.64; 26000;occ; 119; 0;39144  
 13; 5225.2; 25-AUG-2009 17:53:09; Dark ; 58.0; 30; 46Eps Ori ; 1.69; 30000;occ; 116; 0;39144  
 14; 5342.5; 25-AUG-2009 17:55:07; Dark ; 52.0; 56; 53Kap Ori ; 2.07; 30000;occ; 104; 0;39144  
 15; 5437.2; 25-AUG-2009 17:56:41; Dark ; 75.0; 7; 19Bet Ori ; 0.10; 14000;occ; 150; 0;39144  
 16; 5586.7; 25-AUG-2009 17:59:11; Dark ; 52.5; 139; 9Bet Lep ; 2.83; 5600;occ; 105; 0;39144  
 17; 5702.6; 25-AUG-2009 18:01:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39144  
 18; 6413.5; 25-AUG-2009 18:12:58; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;39144  
 19; 6941.6; 25-AUG-2009 18:21:46; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;39144

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



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

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 3; -594.0; 26-AUG-2009 00:39:10; Dark ; 68.0; 7; 19Bet Ori ; 0.10; 14000;occ; 136; 0;39148  
 4; -445.5; 26-AUG-2009 00:41:38; Dark ; 49.5; 139; 9Bet Lep ; 2.83; 5600;occ; 99; 0;39148  
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 7; 908.0; 26-AUG-2009 01:04:12; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;39149  
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 9; 1900.2; 26-AUG-2009 01:20:44; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;39149  
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 11; 2550.3; 26-AUG-2009 01:31:34; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39149  
 12; 3200.4; 26-AUG-2009 01:42:24; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39149  
 13; 3332.8; 26-AUG-2009 01:44:36; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39149  
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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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 3; -806.3; 26-AUG-2009 02:16:13; Dark ; 57.5; 30; 46Eps Ori ; 1.69; 30000;occ; 115; 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; 908.8; 26-AUG-2009 02:44:48; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;39150  
 10; 1304.5; 26-AUG-2009 02:51:24; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;39150  
 11; 1900.2; 26-AUG-2009 03:01:20; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;39150  
 12; 2083.0; 26-AUG-2009 03:04:22; Bright; 42.0; 61; 8Eps Peg ; 2.10; 3900;occ; 84; 0;39150  
 13; 2549.9; 26-AUG-2009 03:12:09; Bright; 47.0; 164; 44Eta Peg ; 2.95; 5400;occ; 94; 0;39150  
 14; 3199.6; 26-AUG-2009 03:22:59; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;39150  
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 2; -1660.4; 26-AUG-2009 03:42:35; Bright; 47.0; 107; 37The Aur ; 2.65; 11000;occ; 94; 0;39150  
 3; -1451.6; 26-AUG-2009 03:46:04; Dark ; 59.0; 28; 12Bet Tau ; 1.65; 15200;occ; 118; 0;39150  
 4; -1273.6; 26-AUG-2009 03:49:02; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;39150  
 5; -1028.4; 26-AUG-2009 03:53:07; Dark ; 69.0; 14; 58Alp Ori ; 0.87; 3000;occ; 138; 0;39150  
 6; -922.7; 26-AUG-2009 03:54:53; Dark ; 64.0; 27; 24Gam Ori ; 1.64; 26000;occ; 128; 0;39150  
 7; -805.3; 26-AUG-2009 03:56:50; Dark ; 58.5; 30; 46Eps Ori ; 1.69; 30000;occ; 117; 0;39150  
 8; -688.3; 26-AUG-2009 03:58:47; Dark ; 52.5; 56; 53Kap Ori ; 2.07; 30000;occ; 105; 0;39150  
 9; -591.4; 26-AUG-2009 04:00:24; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39150  
 10; -443.5; 26-AUG-2009 04:02:52; Dark ; 52.0; 139; 9Bet Lep ; 2.83; 5600;occ; 104; 0;39150  
 11; -327.5; 26-AUG-2009 04:04:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39150  
 12; 384.9; 26-AUG-2009 04:16:40; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;39151  
 13; 909.5; 26-AUG-2009 04:25:25; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;39151  
 14; 1304.9; 26-AUG-2009 04:32:00; Dark ; 46.5; 18; 24Alp PsA ; 1.17; 9700;occ; 93; 0;39151  
 15; 1900.1; 26-AUG-2009 04:41:56; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;39151  
 16; 2082.8; 26-AUG-2009 04:44:58; Bright; 40.5; 61; 8Eps Peg ; 2.10; 3900;occ; 81; 0;39151  
 17; 2549.1; 26-AUG-2009 04:52:45; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39151  
 18; 3199.0; 26-AUG-2009 05:03:35; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;39151  
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3;-1451.3; 26-AUG-2009 05:26:40; Dark ; 60.0; 28; 12Bet Tau ; 1.65; 15200;occ; 120; 0;39151
4;-1273.4; 26-AUG-2009 05:29:38; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;39151
5;-1027.8; 26-AUG-2009 05:33:44; Dark ; 64.0; 14; 58Alp Ori ; 0.87; 3000;occ; 128; 0;39151
6; -921.9; 26-AUG-2009 05:35:30; Dark ; 65.0; 27; 24Gam Ori ; 1.64; 26000;occ; 130; 0;39151
7; -804.6; 26-AUG-2009 05:37:27; Dark ; 55.5; 30; 46Eps Ori ; 1.69; 30000;occ; 111; 0;39151
8; -687.6; 26-AUG-2009 05:39:24; Dark ; 51.5; 56; 53Kap Ori ; 2.07; 30000;occ; 103; 0;39151
9; -590.2; 26-AUG-2009 05:41:01; Dark ; 69.0; 7; 19Bet Ori ; 0.10; 14000;occ; 138; 0;39151
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11; -326.5; 26-AUG-2009 05:45:25; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39151
12; 386.1; 26-AUG-2009 05:57:18; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39152
13; 910.3; 26-AUG-2009 06:06:02; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39152
14; 1305.3; 26-AUG-2009 06:12:37; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;39152
15; 1900.0; 26-AUG-2009 06:22:31; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;39152
16; 2082.7; 26-AUG-2009 06:25:34; Bright; 48.0; 61; 8Eps Peg ; 2.10; 3900;occ; 96; 0;39152
17; 2548.6; 26-AUG-2009 06:33:20; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39152
18; 3198.4; 26-AUG-2009 06:44:10; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39152
19; 3330.5; 26-AUG-2009 06:46:22; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39152
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3; 1899.2; 26-AUG-2009 21:27:54; Bright; 59.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 118; 0;39161
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5; 2542.6; 26-AUG-2009 21:38:38; Bright; 44.0; 164; 44Eta Peg ; 2.95; 5400;occ; 88; 0;39161
6; 3192.1; 26-AUG-2009 21:49:27; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39161
7; 3323.8; 26-AUG-2009 21:51:39; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39161
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10; 4587.0; 26-AUG-2009 22:12:42; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39161
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13; 5123.5; 26-AUG-2009 22:21:38; Dark ; 63.5; 27; 24Gam Ori ; 1.64; 26000;occ; 127; 0;39161
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3; -578.2; 26-AUG-2009 22:27:13; Dark ; 73.5; 7; 19Bet Ori ; 0.10; 14000;occ; 147; 0;39161
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6; 398.3; 26-AUG-2009 22:43:29; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;39162
7; 916.8; 26-AUG-2009 22:52:08; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;39162
8; 1308.4; 26-AUG-2009 22:58:39; Dark ; 51.0; 18; 24Alp PsA ; 1.17; 9700;occ; 102; 0;39162
9; 1898.9; 26-AUG-2009 23:08:30; Bright; 40.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 80; 0;39162
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11; 2542.0; 26-AUG-2009 23:19:13; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39162
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15; 4376.2; 26-AUG-2009 23:49:47; Bright; 45.5; 107; 37The Aur ; 2.65; 11000;occ; 91; 0;39162
16; 4587.2; 26-AUG-2009 23:53:18; Dark ; 61.0; 28; 12Bet Tau ; 1.65; 15200;occ; 122; 0;39162
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4; 3197.8; 26-AUG-2009 08:24:45; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;39153
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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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3; 2547.0; 26-AUG-2009 09:54:30; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39154
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7; 4375.7; 26-AUG-2009 10:24:59; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39154
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13; 5350.9; 26-AUG-2009 10:41:14; Dark ; 52.0; 56; 53Kap Ori ; 2.07; 30000;occ; 104; 0;39154
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3; 3196.0; 26-AUG-2009 11:45:55; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;39155
4; 3328.3; 26-AUG-2009 11:48:08; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39155
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9; 5010.6; 26-AUG-2009 12:16:10; Dark ; 62.5; 14; 58Alp Ori ; 0.87; 3000;occ; 125; 0;39155
10; 5117.8; 26-AUG-2009 12:17:57; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;39155
11; 5235.1; 26-AUG-2009 12:19:54; Dark ; 56.5; 30; 46Eps Ori ; 1.69; 30000;occ; 113; 0;39155
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13; 5450.5; 26-AUG-2009 12:23:30; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39155
14; 5597.3; 26-AUG-2009 12:25:57; Dark ; 49.5; 139; 9Bet Lep ; 2.83; 5600;occ; 99; 0;39155
15; 5713.3; 26-AUG-2009 12:27:53; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39155
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 16; 6500.3; 30-AUG-2009 17:16:55; Dark ; 56.0; 157; The1Eri ; 2.91; 9300;occ; 112; 0;39215  
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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  
 10; 5060.4; 31-AUG-2009 07:58:18; Dark ; 77.0; 14; 58Alp Ori ; 0.87; 3000;occ; 154; 0;39224  
 11; 5307.1; 31-AUG-2009 08:02:25; Dark ; 64.0; 30; 46Eps Ori ; 1.69; 30000;occ; 128; 0;39224  
 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  
 17; 7363.0; 31-AUG-2009 08:36:41; Dark ; 45.0; 18; 24Alp PsA ; 1.17; 9700;occ; 90; 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  
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 11; 5310.3; 31-AUG-2009 13:04:16; Dark ; 59.0; 30; 46Eps Ori ; 1.69; 30000;occ; 118; 0;39227  
 12; 5445.0; 31-AUG-2009 13:06:31; Dark ; 47.0; 47; 2Bet CMA ; 1.98; 28000;occ; 94; 0;39227  
 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
14; 6516.3; 31-AUG-2009 15:04:58; Dark ; 54.5; 157; The1Eri ; 2.91; 9300;occ; 109; 0;39228
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2; 2253.0; 31-AUG-2009 15:34:30; Bright; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;39229
3; 2504.2; 31-AUG-2009 15:38:42; Bright; 55.5; 164; 44Eta Peg ; 2.95; 5400;occ; 111; 0;39229
4; 3146.9; 31-AUG-2009 15:49:24; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39229
5; 3275.1; 31-AUG-2009 15:51:33; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;39229
6; 4157.4; 31-AUG-2009 16:06:15; Bright; 58.5; 6; 13Alp Aur ; 0.08; 3400;occ; 117; 0;39229
7; 4378.1; 31-AUG-2009 16:09:56; Bright; 48.0; 107; 37The Aur ; 2.65; 11000;occ; 96; 0;39229
8; 4685.1; 31-AUG-2009 16:15:03; Dark ; 55.0; 151; 13Mu Gem ; 2.89; 3000;occ; 110; 0;39229
9; 4790.5; 31-AUG-2009 16:16:48; Dark ; 49.5; 44; 24Gam Gem ; 1.93; 11000;occ; 99; 0;39229
10; 5064.4; 31-AUG-2009 16:21:22; Dark ; 73.0; 14; 58Alp Ori ; 0.87; 3000;occ; 146; 0;39229
11; 5313.1; 31-AUG-2009 16:25:30; Dark ; 65.0; 30; 46Eps Ori ; 1.69; 30000;occ; 130; 0;39229
12; 5446.5; 31-AUG-2009 16:27:44; Dark ; 48.0; 47; 2Bet CMA ; 1.98; 28000;occ; 96; 0;39229
13; 5616.3; 31-AUG-2009 16:30:34; Dark ; 56.0; 101; 11Alp Lep ; 2.58; 7000;occ; 112; 0;39229
14; 5792.6; 31-AUG-2009 16:33:30; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39229
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3; 2503.7; 31-AUG-2009 17:19:17; Bright; 64.0; 164; 44Eta Peg ; 2.95; 5400;occ; 128; 0;39230
4; 3146.3; 31-AUG-2009 17:30:00; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39230
5; 3274.4; 31-AUG-2009 17:32:08; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;39230
6; 4157.1; 31-AUG-2009 17:46:51; Bright; 54.5; 6; 13Alp Aur ; 0.08; 3400;occ; 109; 0;39230
7; 4378.2; 31-AUG-2009 17:50:32; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39230
8; 4685.5; 31-AUG-2009 17:55:39; Dark ; 57.0; 151; 13Mu Gem ; 2.89; 3000;occ; 114; 0;39230
9; 4790.9; 31-AUG-2009 17:57:24; Dark ; 49.0; 44; 24Gam Gem ; 1.93; 11000;occ; 98; 0;39230
10; 5314.3; 31-AUG-2009 18:06:08; Dark ; 58.0; 30; 46Eps Ori ; 1.69; 30000;occ; 116; 0;39230
11; 5447.4; 31-AUG-2009 18:08:21; Dark ; 45.5; 47; 2Bet CMA ; 1.98; 28000;occ; 91; 0;39230
12; 5617.6; 31-AUG-2009 18:11:11; Dark ; 58.5; 101; 11Alp Lep ; 2.58; 7000;occ; 117; 0;39230
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5; 3273.8; 31-AUG-2009 19:12:43; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39231
6; 4156.8; 31-AUG-2009 19:27:26; Bright; 59.5; 6; 13Alp Aur ; 0.08; 3400;occ; 119; 0;39231
7; 4378.2; 31-AUG-2009 19:31:08; Bright; 47.5; 107; 37The Aur ; 2.65; 11000;occ; 95; 0;39231
8; 4685.8; 31-AUG-2009 19:36:15; Dark ; 57.0; 151; 13Mu Gem ; 2.89; 3000;occ; 114; 0;39231
9; 4791.2; 31-AUG-2009 19:38:01; Dark ; 50.5; 44; 24Gam Gem ; 1.93; 11000;occ; 101; 0;39231
10; 5315.1; 31-AUG-2009 19:46:45; Dark ; 58.0; 30; 46Eps Ori ; 1.69; 30000;occ; 116; 0;39231
11; 5447.9; 31-AUG-2009 19:48:57; Dark ; 46.0; 47; 2Bet CMA ; 1.98; 28000;occ; 92; 0;39231
12; 5618.7; 31-AUG-2009 19:51:48; Dark ; 54.0; 101; 11Alp Lep ; 2.58; 7000;occ; 108; 0;39231
13; 5794.8; 31-AUG-2009 19:54:44; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39231
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15; 6996.5; 31-AUG-2009 20:14:46; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;39231

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