

# GOMOS Daily Report 03-AUG-2009

## Level 0 and Level 1 products

### SUMMARY

#### [1. General Info](#)

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

[2.1 Level 0: products arrived in PCF during current month \(see template here\)](#)

[2.2 Level 0: plot of mission plan versus production during reporting period](#)

[2.3 Level 0: summary of missing occultations with respect to the plan](#)

[2.4 Level 1: products arrived in PCF during reporting period](#)

#### [3. Plot of Spectrometers and Photometers temperatures](#)

#### [4. Dark Charge monitoring](#)

[4.1 Products that did not use the Dark Sky Area observation for DC computation](#)

[4.2 Plot of Dark Charge](#)

#### [5. Demodulation correction and quality product information monitoring](#)

[5.1 Percentage of products with some flags set](#)

[5.2 Plot of quality information per product \(time dependant\)](#)

[5.3 Plot of quality information per product \(world map\)](#)

#### [6. Star tangent altitude lost](#)

[6.1 Statistics on star tangent altitude lost](#)

[6.2 Plot of star tangent altitude lost: DARK products](#)

[6.3 Plot of star tangent altitude lost: BRIGHT products](#)

[6.3 Plot of star tangent altitude lost: TWILIGHT products](#)

#### [7. Star Acquisition and Tracking Unit \(SATU\)](#)

[7.1 SATU plots \(dark limb\): 'X' and 'Y' axis](#)

[7.2 SATU Noise Equivalent Angle statistics](#)

[7.2.1 SATU NEA Statistics \(table\)](#)

[7.2.2 Daily SATU NEA STD \(dark limb\) - trend since 1st April 2006](#)

[8. Auxiliary Data Files used for the production reported in section 2.4](#)

## [Level 2 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	06AUG2009 05:41:35
Data source version	GOMOS/5.00
Start time of products	03AUG2009 00:01:46
Stop time of products	03AUG2009 23:59:18
Store outputs in DB	Yes
Nb of level 1b prods	120
Nb of prods with errors	1

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

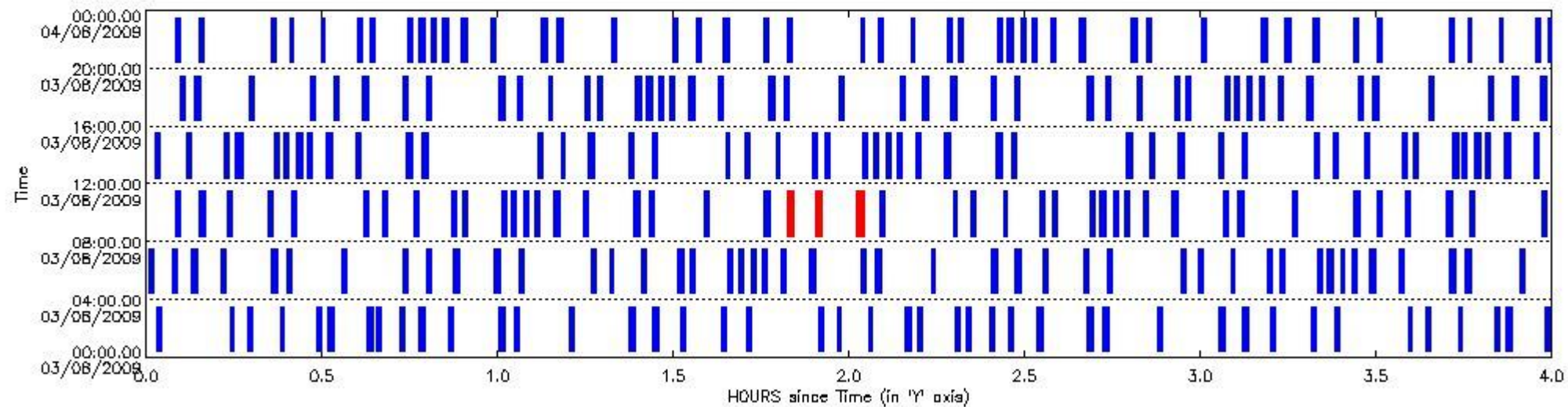
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
03-AUG-2009 09:49:33	BetGru	63	38825
03-AUG-2009 09:54:19	24AlpPsA	18	38825
03-AUG-2009 10:01:16	49DelCap	142	38825

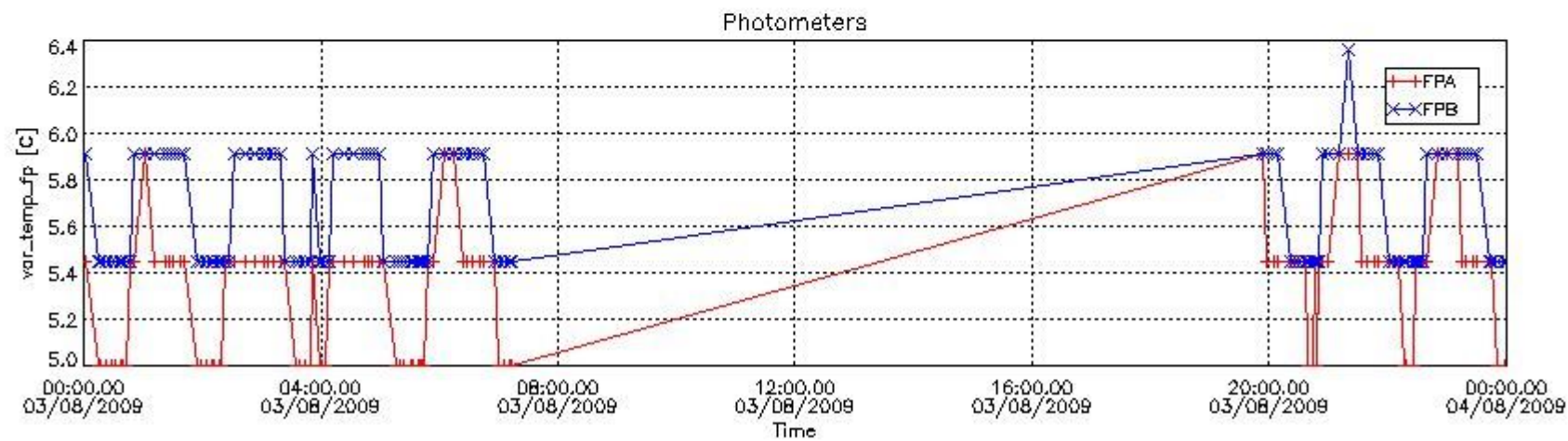
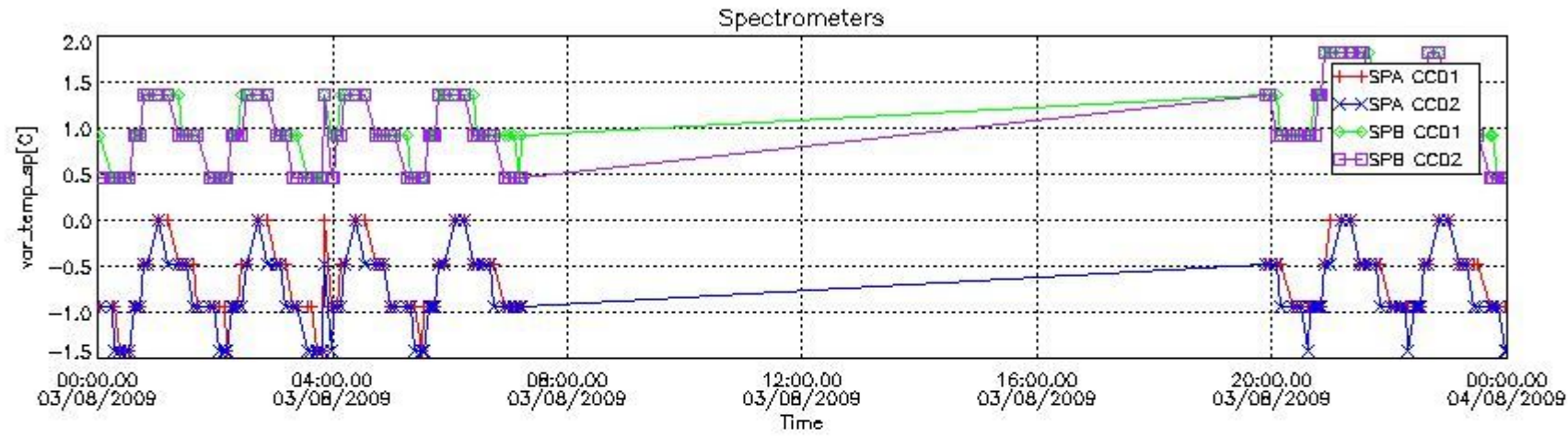
### 2.4 Summary of processed GOM\_TRA\_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20090803_000146_000000492081_00188_38819_5848.N1	03-AUG-2009 00:01:46	Bright	48.500	154	22Bet Aqr	2.8990	5700.0	97	38819	No
2	GOM_TRA_1PNPDE20090803_001413_000000422081_00188_38819_5849.N1	03-AUG-2009 00:14:13	Bright	42.000	92	53Eps Cyg	2.5000	4500.0	84	38819	No
3	GOM_TRA_1PNPDE20090803_001722_000000422081_00188_38819_5850.N1	03-AUG-2009 00:17:22	Bright	41.500	19	50Alp Cyg	1.2460	10500.	83	38819	No
4	GOM_TRA_1PNPDE20090803_002247_000000362081_00188_38819_5851.N1	03-AUG-2009 00:22:47	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	38819	No
5	GOM_TRA_1PNPDE20090803_002904_000000512081_00188_38819_5852.N1	03-AUG-2009 00:29:04	Bright	51.000	74	11Bet Cas	2.2680	6600.0	102	38819	No
6	GOM_TRA_1PNPDE20090803_003105_000000512081_00188_38819_5853.N1	03-AUG-2009 00:31:05	Bright	51.000	76	27Gam Cas	2.3000	30000.	102	38819	No
7	GOM_TRA_1PNPDE20090803_003737_000000702081_00188_38819_5854.N1	03-AUG-2009 00:37:37	Bright	70.000	160	23Gam Per	2.9300	4700.0	140	38819	No
8	GOM_TRA_1PNPDE20090803_003919_000000532081_00188_38819_5855.N1	03-AUG-2009 00:39:19	Bright	53.000	35	33Alp Per	1.7950	6250.0	106	38819	No

9	GOM_TRA_1PNPDE20090803_004322_000000512081_00188_38819_5856.N1	03-AUG-2009 00:43:22	Bright	51.000	149	45Eps Per	2.8880	30000.	102	38819	No
10	GOM_TRA_1PNPDE20090803_004634_000000572081_00188_38819_5857.N1	03-AUG-2009 00:46:34	Twilight	56.500	150	44Zet Per	2.8900	28000.	113	38819	No
11	GOM_TRA_1PNPDE20090803_005129_000000582081_00188_38819_5858.N1	03-AUG-2009 00:51:29	Dark	58.000	13	87Alp Tau	0.86700	3800.0	116	38819	No
12	GOM_TRA_1PNPDE20090803_010244_000000532081_00188_38819_5994.N1	03-AUG-2009 01:02:44	Dark	52.500	165	34Gam Eri	2.9500	3200.0	105	38819	No
13	GOM_TRA_1PNPDE20090803_011209_000000472081_00189_38820_5995.N1	03-AUG-2009 01:12:09	Dark	46.500	157	The1Eri	2.9060	9300.0	93	38820	No
14	GOM_TRA_1PNPDE20090803_012228_000000562081_00189_38820_5996.N1	03-AUG-2009 01:22:28	Straylight	56.000	84	Alp Phe	2.3970	4500.0	112	38820	No
15	GOM_TRA_1PNPDE20090803_012631_000000532081_00189_38820_5997.N1	03-AUG-2009 01:26:31	Straylight	53.000	63	Bet Gru	2.1500	2800.0	106	38820	No
16	GOM_TRA_1PNPDE20090803_013117_000000502081_00189_38820_5998.N1	03-AUG-2009 01:31:17	Twilight	50.000	18	24Alp PsA	1.1660	9700.0	100	38820	No
17	GOM_TRA_1PNPDE20090803_013817_000000512081_00189_38820_5999.N1	03-AUG-2009 01:38:17	Bright	51.000	142	49Del Cap	2.8500	8900.0	102	38820	No
18	GOM_TRA_1PNPDE20090803_014222_000000522081_00189_38820_6000.N1	03-AUG-2009 01:42:22	Bright	51.500	154	22Bet Aqr	2.8990	5700.0	103	38820	No
19	GOM_TRA_1PNPDE20090803_015449_000000442081_00189_38820_6001.N1	03-AUG-2009 01:54:49	Bright	43.500	92	53Eps Cyg	2.5000	4500.0	87	38820	No
20	GOM_TRA_1PNPDE20090803_015757_000000402081_00189_38820_6002.N1	03-AUG-2009 01:57:57	Bright	40.000	19	50Alp Cyg	1.2460	10500.	80	38820	No
21	GOM_TRA_1PNPDE20090803_020323_000000372081_00189_38820_6003.N1	03-AUG-2009 02:03:23	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	38820	No
22	GOM_TRA_1PNPDE20090803_020940_000000532081_00189_38820_6004.N1	03-AUG-2009 02:09:40	Bright	52.500	74	11Bet Cas	2.2680	6600.0	105	38820	No
23	GOM_TRA_1PNPDE20090803_021140_000000552081_00189_38820_6005.N1	03-AUG-2009 02:11:40	Bright	55.000	76	27Gam Cas	2.3000	30000.	110	38820	No
24	GOM_TRA_1PNPDE20090803_021812_000000472081_00189_38820_6006.N1	03-AUG-2009 02:18:12	Bright	47.000	160	23Gam Per	2.9300	4700.0	94	38820	No
25	GOM_TRA_1PNPDE20090803_021954_000000522081_00189_38820_6007.N1	03-AUG-2009 02:19:54	Bright	52.000	35	33Alp Per	1.7950	6250.0	104	38820	No
26	GOM_TRA_1PNPDE20090803_022358_000000492081_00189_38820_6138.N1	03-AUG-2009 02:23:58	Bright	49.000	149	45Eps Per	2.8880	30000.	98	38820	No
27	GOM_TRA_1PNPDE20090803_022710_000000582081_00189_38820_6139.N1	03-AUG-2009 02:27:10	Twilight	57.500	150	44Zet Per	2.8900	28000.	115	38820	No
28	GOM_TRA_1PNPDE20090803_023205_000000652081_00189_38820_6140.N1	03-AUG-2009 02:32:05	Dark	65.000	13	87Alp Tau	0.86700	3800.0	130	38820	No
29	GOM_TRA_1PNPDE20090803_024321_000000582081_00189_38820_6141.N1	03-AUG-2009 02:43:21	Dark	58.000	165	34Gam Eri	2.9500	3200.0	116	38820	No
30	GOM_TRA_1PNPDE20090803_025246_000000482081_00190_38821_6142.N1	03-AUG-2009 02:52:46	Dark	48.000	157	The1Eri	2.9060	9300.0	96	38821	No
31	GOM_TRA_1PNPDE20090803_030305_000000622081_00190_38821_6143.N1	03-AUG-2009 03:03:05	Straylight	62.000	84	Alp Phe	2.3970	4500.0	124	38821	No
32	GOM_TRA_1PNPDE20090803_030707_000000592081_00190_38821_6144.N1	03-AUG-2009 03:07:07	Straylight	58.500	63	Bet Gru	2.1500	2800.0	117	38821	No
33	GOM_TRA_1PNPDE20090803_031154_000000502081_00190_38821_6145.N1	03-AUG-2009 03:11:54	Twilight	50.000	18	24Alp PsA	1.1660	9700.0	100	38821	No
34	GOM_TRA_1PNPDE20090803_031853_000000502081_00190_38821_6146.N1	03-AUG-2009 03:18:53	Bright	50.000	142	49Del Cap	2.8500	8900.0	100	38821	No
35	GOM_TRA_1PNPDE20090803_032258_000000512081_00190_38821_6147.N1	03-AUG-2009 03:22:58	Bright	51.000	154	22Bet Aqr	2.8990	5700.0	102	38821	No
36	GOM_TRA_1PNPDE20090803_033524_000000442081_00190_38821_6148.N1	03-AUG-2009 03:35:24	Bright	43.500	92	53Eps Cyg	2.5000	4500.0	87	38821	No
37	GOM_TRA_1PNPDE20090803_033833_000000412081_00190_38821_6149.N1	03-AUG-2009 03:38:33	Bright	41.000	19	50Alp Cyg	1.2460	10500.	82	38821	No
38	GOM_TRA_1PNPDE20090803_034358_000000402081_00190_38821_6150.N1	03-AUG-2009 03:43:58	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	38821	No
39	GOM_TRA_1PNPDE20090803_035015_000000482081_00190_38821_6151.N1	03-AUG-2009 03:50:15	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	38821	No
40	GOM_TRA_1PNPDE20090803_035216_000000512081_00190_38821_6317.N1	03-AUG-2009 03:52:16	Bright	50.500	76	27Gam Cas	2.3000	30000.	101	38821	Yes
41	GOM_TRA_1PNPDE20090803_035848_000000492081_00190_38821_6318.N1	03-AUG-2009 03:58:48	Bright	49.000	160	23Gam Per	2.9300	4700.0	98	38821	No
42	GOM_TRA_1PNPDE20090803_040030_000000512081_00190_38821_6319.N1	03-AUG-2009 04:00:30	Bright	51.000	35	33Alp Per	1.7950	6250.0	102	38821	No
43	GOM_TRA_1PNPDE20090803_040434_000000482081_00190_38821_6320.N1	03-AUG-2009 04:04:34	Bright	47.500	149	45Eps Per	2.8880	30000.	95	38821	No
44	GOM_TRA_1PNPDE20090803_040746_000000562081_00190_38821_6321.N1	03-AUG-2009 04:07:46	Twilight	56.000	150	44Zet Per	2.8900	28000.	112	38821	No
45	GOM_TRA_1PNPDE20090803_041242_000000562081_00190_38821_6322.N1	03-AUG-2009 04:12:42	Dark	55.500	13	87Alp Tau	0.86700	3800.0	111	38821	No
46	GOM_TRA_1PNPDE20090803_042358_000000542081_00190_38821_6323.N1	03-AUG-2009 04:23:58	Dark	53.500	165	34Gam Eri	2.9500	3200.0	107	38821	No
47	GOM_TRA_1PNPDE20090803_043322_000000482081_00191_38822_6324.N1	03-AUG-2009 04:33:22	Dark	48.000	157	The1Eri	2.9060	9300.0	96	38822	No
48	GOM_TRA_1PNPDE20090803_044342_000000592081_00191_38822_6325.N1	03-AUG-2009 04:43:42	Straylight	58.500	84	Alp Phe	2.3970	4500.0	117	38822	No
49	GOM_TRA_1PNPDE20090803_044744_000000582081_00191_38822_6326.N1	03-AUG-2009 04:47:44	Straylight	57.500	63	Bet Gru	2.1500	2800.0	115	38822	No
50	GOM_TRA_1PNPDE20090803_045230_000000532081_00191_38822_6327.N1	03-AUG-2009 04:52:30	Twilight	53.000	18	24Alp PsA	1.1660	9700.0	106	38822	No
51	GOM_TRA_1PNPDE20090803_045929_000000512081_00191_38822_6328.N1	03-AUG-2009 04:59:29	Bright	51.000	142	49Del Cap	2.8500	8900.0	102	38822	No
52	GOM_TRA_1PNPDE20090803_050333_000000502081_00191_38822_6329.N1	03-AUG-2009 05:03:33	Bright	50.000	154	22Bet Aqr	2.8990	5700.0	100	38822	No
53	GOM_TRA_1PNPDE20090803_051600_000000442081_00191_38822_6330.N1	03-AUG-2009 05:16:00	Bright	43.500	92	53Eps Cyg	2.5000	4500.0	87	38822	No
54	GOM_TRA_1PNPDE20090803_051908_000000412081_00191_38822_6331.N1	03-AUG-2009 05:19:08	Bright	41.000	19	50Alp Cyg	1.2460	10500.	82	38822	No
55	GOM_TRA_1PNPDE20090803_052434_000000402081_00191_38822_6332.N1	03-AUG-2009 05:24:34	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	38822	No
56	GOM_TRA_1PNPDE20090803_053050_000000502081_00191_38822_6333.N1	03-AUG-2009 05:30:50	Bright	49.500	74	11Bet Cas	2.2680	6600.0	99	38822	No
57	GOM_TRA_1PNPDE20090803_053251_000000502081_00191_38822_6334.N1	03-AUG-2009 05:32:51	Bright	50.000	76	27Gam Cas	2.3000	30000.	100	38822	No
58	GOM_TRA_1PNPDE20090803_053923_000000482081_00191_38822_6467.N1	03-AUG-2009 05:39:23	Bright	47.500	160	23Gam Per	2.9300	4700.0	95	38822	No
59	GOM_TRA_1PNPDE20090803_054106_000000482081_00191_38822_6468.N1	03-AUG-2009 05:41:06	Bright	47.500	35	33Alp Per	1.7950	6250.0	95	38822	No
60	GOM_TRA_1PNPDE20090803_054317_000000432081_00191_38822_6469.N1	03-AUG-2009 05:43:17	Bright	42.500	6	13Alp Aur	0.080000	3400.0	85	38822	No
61	GOM_TRA_1PNPDE20090803_054510_000000482081_00191_38822_6470.N1	03-AUG-2009 05:45:10	Bright	48.000	149	45Eps Per	2.8880	30000.	96	38822	No
62	GOM_TRA_1PNPDE20090803_054822_000000572081_00191_38822_6471.N1	03-AUG-2009 05:48:22	Twilight	56.500	150	44Zet Per	2.8900	28000.	113	38822	No
63	GOM_TRA_1PNPDE20090803_055318_000000662081_00191_38822_6472.N1	03-AUG-2009 05:53:18	Dark	66.000	13	87Alp Tau	0.86700	3800.0	132	38822	No
64	GOM_TRA_1PNPDE20090803_060435_000000582081_00191_38822_6473.N1	03-AUG-2009 06:04:35	Dark	58.000	165	34Gam Eri	2.9500	3200.0	116	38822	No
65	GOM_TRA_1PNPDE20090803_061359_000000462081_00192_38823_6474.N1	03-AUG-2009 06:13:59	Dark	45.500	157	The1Eri	2.9060	9300.0	91	38823	No
66	GOM_TRA_1PNPDE20090803_062419_000000632081_00192_38823_6475.N1	03-AUG-2009 06:24:19	Straylight	63.000	84	Alp Phe	2.3970	4500.0	126	38823	No
67	GOM_TRA_1PNPDE20090803_062820_000000582081_00192_38823_6476.N1	03-AUG-2009 06:28:20	Straylight	57.500	63	Bet Gru	2.1500	2800.0	115	38823	No

68	GOM_TRA_1PNPDE20090803_063307_000000532081_00192_38823_6477.N1	03-AUG-2009 06:33:07	Twilight	53.000	18	24Alp PsA	1.1660	9700.0	106	38823	No
69	GOM_TRA_1PNPDE20090803_064005_000000502081_00192_38823_6478.N1	03-AUG-2009 06:40:05	Bright	49.500	142	49Del Cap	2.8500	8900.0	99	38823	No
70	GOM_TRA_1PNPDE20090803_064409_000000512081_00192_38823_6479.N1	03-AUG-2009 06:44:09	Bright	51.000	154	22Bet Aqr	2.8990	5700.0	102	38823	No
71	GOM_TRA_1PNPDE20090803_065635_000000622081_00192_38823_6480.N1	03-AUG-2009 06:56:35	Bright	62.000	92	53Eps Cyg	2.5000	4500.0	124	38823	No
72	GOM_TRA_1PNPDE20090803_065944_000000422081_00192_38823_6481.N1	03-AUG-2009 06:59:44	Bright	41.500	19	50Alp Cyg	1.2460	10500.	83	38823	No
73	GOM_TRA_1PNPDE20090803_070510_000000402081_00192_38823_6482.N1	03-AUG-2009 07:05:10	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	38823	No
74	GOM_TRA_1PNPDE20090803_071125_000000492081_00192_38823_6483.N1	03-AUG-2009 07:11:25	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	38823	No
75	GOM_TRA_1PNPDE20090803_071326_000000502081_00192_38823_6484.N1	03-AUG-2009 07:13:26	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	38823	No
76	GOM_TRA_1PNPDE20090803_195313_000000592081_00200_38831_6836.N1	03-AUG-2009 19:53:13	Straylight	59.000	63	Bet Gru	2.1500	2800.0	118	38831	No
77	GOM_TRA_1PNPDE20090803_195800_000000622081_00200_38831_6837.N1	03-AUG-2009 19:58:00	Twilight	61.500	18	24Alp PsA	1.1660	9700.0	123	38831	No
78	GOM_TRA_1PNPDE20090803_200453_000000502081_00200_38831_6838.N1	03-AUG-2009 20:04:53	Bright	49.500	142	49Del Cap	2.8500	8900.0	99	38831	No
79	GOM_TRA_1PNPDE20090803_200855_000000492081_00200_38831_6839.N1	03-AUG-2009 20:08:55	Bright	48.500	154	22Bet Aqr	2.8990	5700.0	97	38831	No
80	GOM_TRA_1PNPDE20090803_202119_000000412081_00200_38831_6840.N1	03-AUG-2009 20:21:19	Bright	41.000	92	53Eps Cyg	2.5000	4500.0	82	38831	No
81	GOM_TRA_1PNPDE20090803_202428_000000382081_00200_38831_6841.N1	03-AUG-2009 20:24:28	Bright	37.500	19	50Alp Cyg	1.2460	10500.	75	38831	No
82	GOM_TRA_1PNPDE20090803_202954_000000402081_00200_38831_6842.N1	03-AUG-2009 20:29:54	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	38831	No
83	GOM_TRA_1PNPDE20090803_203606_000000522081_00200_38831_6843.N1	03-AUG-2009 20:36:06	Bright	51.500	74	11Bet Cas	2.2680	6600.0	103	38831	No
84	GOM_TRA_1PNPDE20090803_203808_000000512081_00200_38831_6844.N1	03-AUG-2009 20:38:08	Bright	50.500	76	27Gam Cas	2.3000	30000.	101	38831	No
85	GOM_TRA_1PNPDE20090803_204443_000000492081_00200_38831_6845.N1	03-AUG-2009 20:44:43	Bright	48.500	160	23Gam Per	2.9300	4700.0	97	38831	No
86	GOM_TRA_1PNPDE20090803_204626_000000712081_00200_38831_6846.N1	03-AUG-2009 20:46:26	Bright	71.000	35	33Alp Per	1.7950	6250.0	142	38831	No
87	GOM_TRA_1PNPDE20090803_204840_000000442081_00200_38831_6847.N1	03-AUG-2009 20:48:40	Bright	43.500	6	13Alp Aur	0.080000	3400.0	87	38831	No
88	GOM_TRA_1PNPDE20090803_205033_000000582081_00200_38831_6848.N1	03-AUG-2009 20:50:33	Bright	58.000	149	45Eps Per	2.8880	30000.	116	38831	No
89	GOM_TRA_1PNPDE20090803_205347_000000572081_00200_38831_6849.N1	03-AUG-2009 20:53:47	Twilight	57.000	150	44Zet Per	2.8900	28000.	114	38831	No
90	GOM_TRA_1PNPDE20090803_205845_000000572081_00200_38831_6850.N1	03-AUG-2009 20:58:45	Dark	56.500	13	87Alp Tau	0.86700	3800.0	113	38831	No
91	GOM_TRA_1PNPDE20090803_211007_000000562081_00200_38831_7020.N1	03-AUG-2009 21:10:07	Dark	56.000	165	34Gam Eri	2.9500	3200.0	112	38831	No
92	GOM_TRA_1PNPDE20090803_211932_000000482081_00201_38832_7021.N1	03-AUG-2009 21:19:32	Dark	48.000	157	The1Eri	2.9060	9300.0	96	38832	No
93	GOM_TRA_1PNPDE20090803_212951_000000552081_00201_38832_7022.N1	03-AUG-2009 21:29:51	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	38832	No
94	GOM_TRA_1PNPDE20090803_213349_000000582081_00201_38832_7023.N1	03-AUG-2009 21:33:49	Straylight	57.500	63	Bet Gru	2.1500	2800.0	115	38832	No
95	GOM_TRA_1PNPDE20090803_213836_000000602081_00201_38832_7024.N1	03-AUG-2009 21:38:36	Twilight	59.500	18	24Alp PsA	1.1660	9700.0	119	38832	No
96	GOM_TRA_1PNPDE20090803_214529_000000522081_00201_38832_7025.N1	03-AUG-2009 21:45:29	Bright	51.500	142	49Del Cap	2.8500	8900.0	103	38832	No
97	GOM_TRA_1PNPDE20090803_214931_000000502081_00201_38832_7026.N1	03-AUG-2009 21:49:31	Bright	49.500	154	22Bet Aqr	2.8990	5700.0	99	38832	No
98	GOM_TRA_1PNPDE20090803_220155_000000402081_00201_38832_7027.N1	03-AUG-2009 22:01:55	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	38832	No
99	GOM_TRA_1PNPDE20090803_220503_000000412081_00201_38832_7028.N1	03-AUG-2009 22:05:03	Bright	41.000	19	50Alp Cyg	1.2460	10500.	82	38832	No
100	GOM_TRA_1PNPDE20090803_221029_000000412081_00201_38832_7029.N1	03-AUG-2009 22:10:29	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	38832	No
101	GOM_TRA_1PNPDE20090803_221641_000000512081_00201_38832_7030.N1	03-AUG-2009 22:16:41	Bright	50.500	74	11Bet Cas	2.2680	6600.0	101	38832	No
102	GOM_TRA_1PNPDE20090803_221843_000000462081_00201_38832_7031.N1	03-AUG-2009 22:18:43	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	38832	No
103	GOM_TRA_1PNPDE20090803_222519_000000462081_00201_38832_7032.N1	03-AUG-2009 22:25:19	Bright	46.000	160	23Gam Per	2.9300	4700.0	92	38832	No
104	GOM_TRA_1PNPDE20090803_222702_000000532081_00201_38832_7033.N1	03-AUG-2009 22:27:02	Bright	53.000	35	33Alp Per	1.7950	6250.0	106	38832	No
105	GOM_TRA_1PNPDE20090803_222916_000000472081_00201_38832_7034.N1	03-AUG-2009 22:29:16	Bright	46.500	6	13Alp Aur	0.080000	3400.0	93	38832	No
106	GOM_TRA_1PNPDE20090803_223109_000000532081_00201_38832_7035.N1	03-AUG-2009 22:31:09	Bright	52.500	149	45Eps Per	2.8880	30000.	105	38832	No
107	GOM_TRA_1PNPDE20090803_223423_000000592081_00201_38832_7036.N1	03-AUG-2009 22:34:23	Twilight	59.000	150	44Zet Per	2.8900	28000.	118	38832	No
108	GOM_TRA_1PNPDE20090803_223922_000000652081_00201_38832_7037.N1	03-AUG-2009 22:39:22	Dark	64.500	13	87Alp Tau	0.86700	3800.0	129	38832	No
109	GOM_TRA_1PNPDE20090803_225044_000000592081_00201_38832_7190.N1	03-AUG-2009 22:50:44	Dark	59.000	165	34Gam Eri	2.9500	3200.0	118	38832	No
110	GOM_TRA_1PNPDE20090803_230009_000000472081_00202_38833_7191.N1	03-AUG-2009 23:00:09	Dark	46.500	157	The1Eri	2.9060	9300.0	93	38833	No
111	GOM_TRA_1PNPDE20090803_231028_000000642081_00202_38833_7192.N1	03-AUG-2009 23:10:28	Straylight	64.000	84	Alp Phe	2.3970	4500.0	128	38833	No
112	GOM_TRA_1PNPDE20090803_231426_000000572081_00202_38833_7193.N1	03-AUG-2009 23:14:26	Straylight	56.500	63	Bet Gru	2.1500	2800.0	113	38833	No
113	GOM_TRA_1PNPDE20090803_231912_000000622081_00202_38833_7194.N1	03-AUG-2009 23:19:12	Twilight	61.500	18	24Alp PsA	1.1660	9700.0	123	38833	No
114	GOM_TRA_1PNPDE20090803_232605_000000502081_00202_38833_7195.N1	03-AUG-2009 23:26:05	Bright	50.000	142	49Del Cap	2.8500	8900.0	100	38833	No
115	GOM_TRA_1PNPDE20090803_233007_000000512081_00202_38833_7196.N1	03-AUG-2009 23:30:07	Bright	51.000	154	22Bet Aqr	2.8990	5700.0	102	38833	No
116	GOM_TRA_1PNPDE20090803_234230_000000432081_00202_38833_7197.N1	03-AUG-2009 23:42:30	Bright	42.500	92	53Eps Cyg	2.5000	4500.0	85	38833	No
117	GOM_TRA_1PNPDE20090803_234539_000000392081_00202_38833_7198.N1	03-AUG-2009 23:45:39	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	38833	No
118	GOM_TRA_1PNPDE20090803_235105_000000392081_00202_38833_7199.N1	03-AUG-2009 23:51:05	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	38833	No
119	GOM_TRA_1PNPDE20090803_235716_000000502081_00202_38833_7200.N1	03-AUG-2009 23:57:16	Bright	49.500	74	11Bet Cas	2.2680	6600.0	99	38833	No
120	GOM_TRA_1PNPDE20090803_235918_000000502081_00202_38833_7201.N1	03-AUG-2009 23:59:18	Bright	50.000	76	27Gam Cas	2.3000	30000.	100	38833	No

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



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

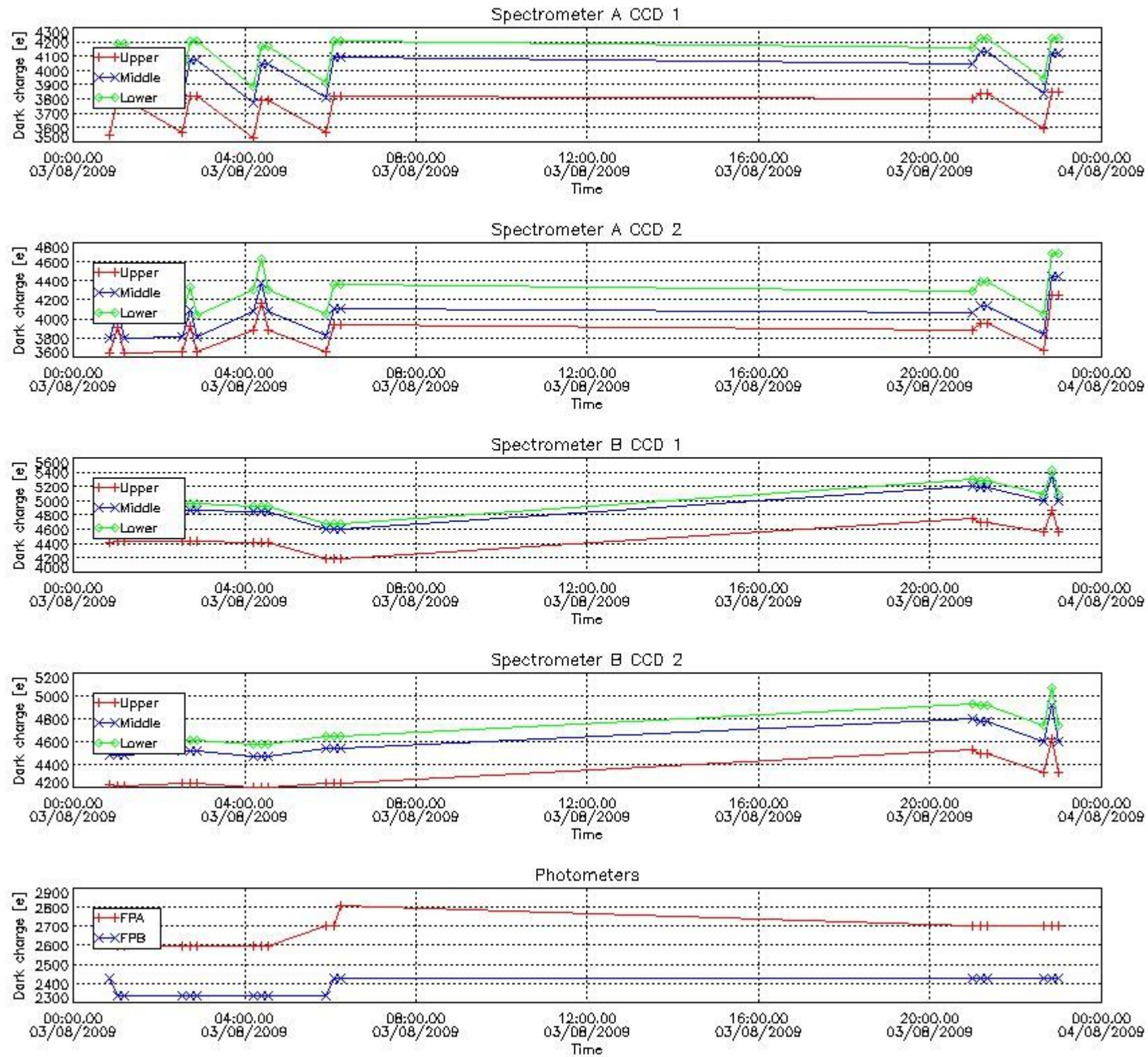
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20090803_195313_000000592081_00200_38831_6836.N1	DC map used
GOM_TRA_1PNPDE20090803_195800_000000622081_00200_38831_6837.N1	DC map used
GOM_TRA_1PNPDE20090803_200453_000000502081_00200_38831_6838.N1	DC map used
GOM_TRA_1PNPDE20090803_200855_000000492081_00200_38831_6839.N1	DC map used
GOM_TRA_1PNPDE20090803_202119_000000412081_00200_38831_6840.N1	DC map used
GOM_TRA_1PNPDE20090803_202428_000000382081_00200_38831_6841.N1	DC map used
GOM_TRA_1PNPDE20090803_202954_000000402081_00200_38831_6842.N1	DC map used
GOM_TRA_1PNPDE20090803_203606_000000522081_00200_38831_6843.N1	DC map used
GOM_TRA_1PNPDE20090803_203808_000000512081_00200_38831_6844.N1	DC map used
GOM_TRA_1PNPDE20090803_204443_000000492081_00200_38831_6845.N1	DC map used
GOM_TRA_1PNPDE20090803_204626_000000712081_00200_38831_6846.N1	DC map used
GOM_TRA_1PNPDE20090803_204840_000000442081_00200_38831_6847.N1	DC map used
GOM_TRA_1PNPDE20090803_205033_000000582081_00200_38831_6848.N1	DC map used
GOM_TRA_1PNPDE20090803_205347_000000572081_00200_38831_6849.N1	DC map used

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



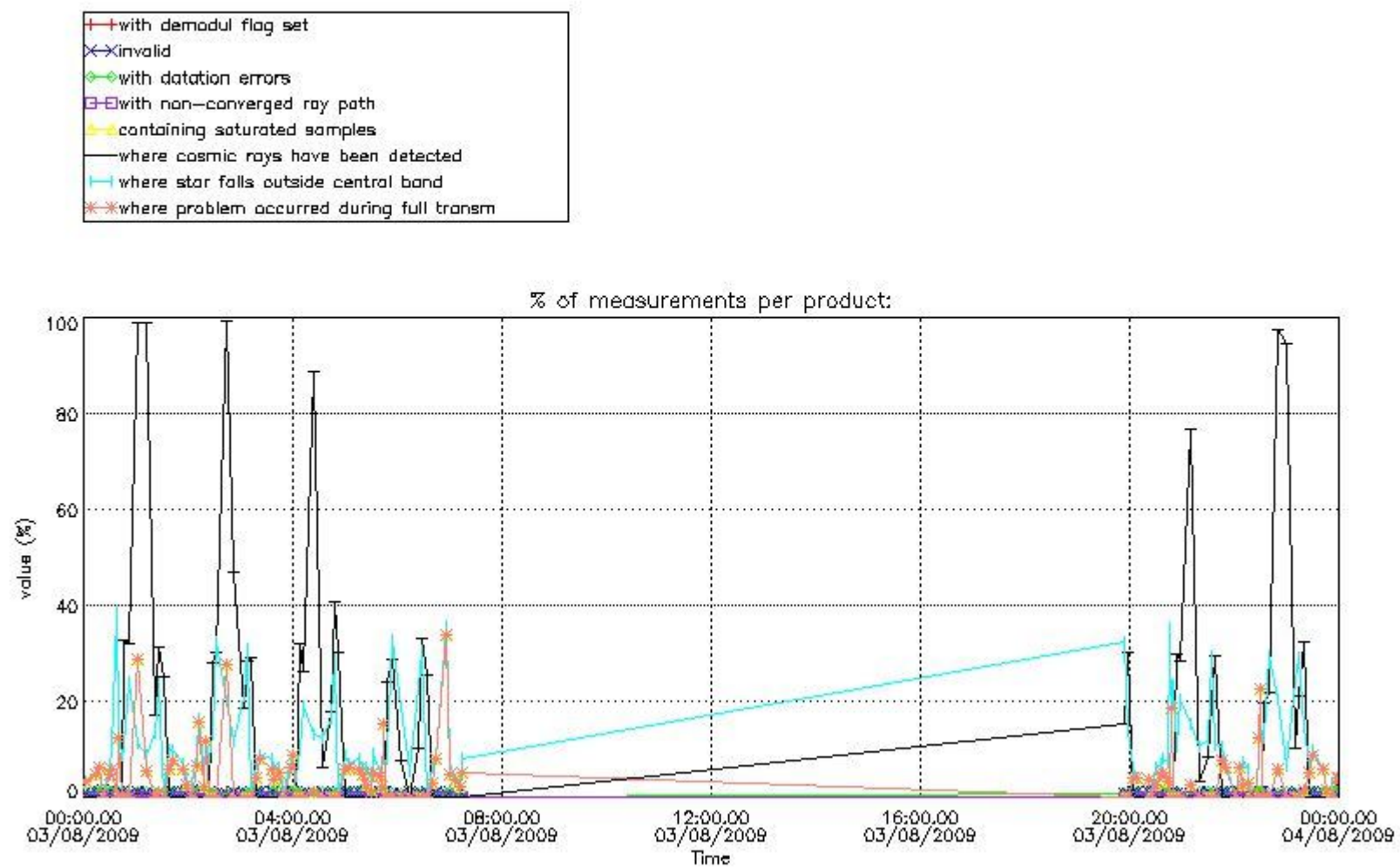
5. Demodulation flag and quality information monitoring

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.

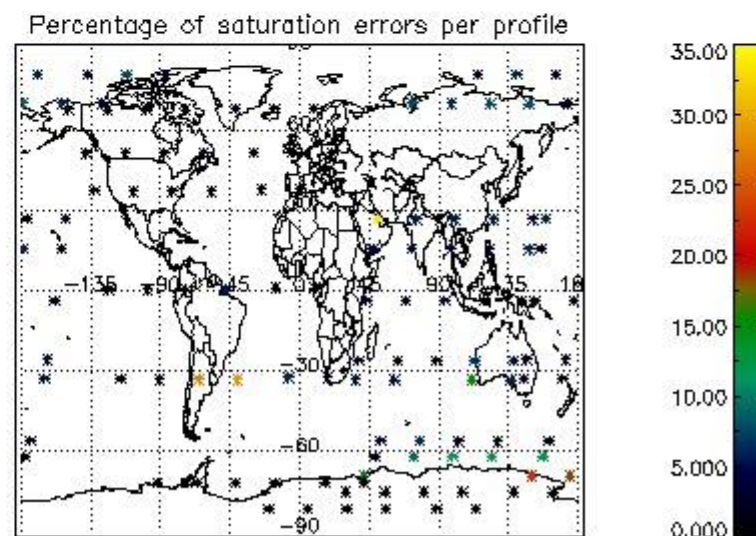
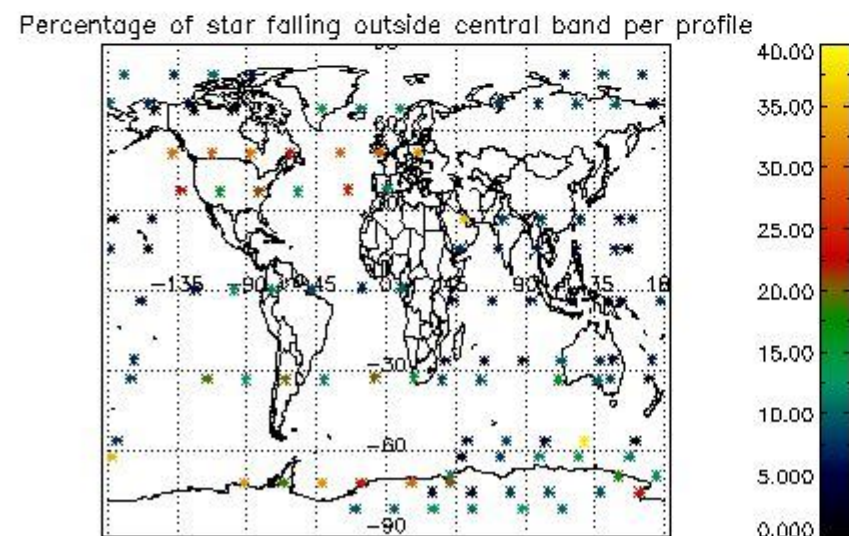
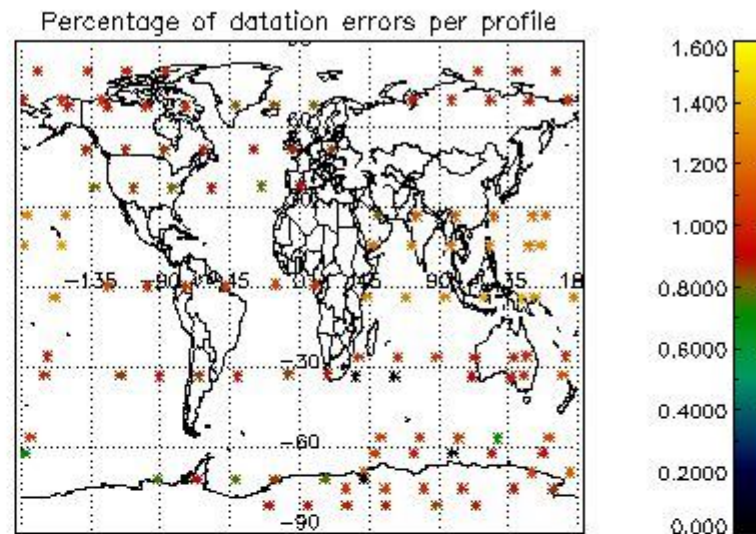
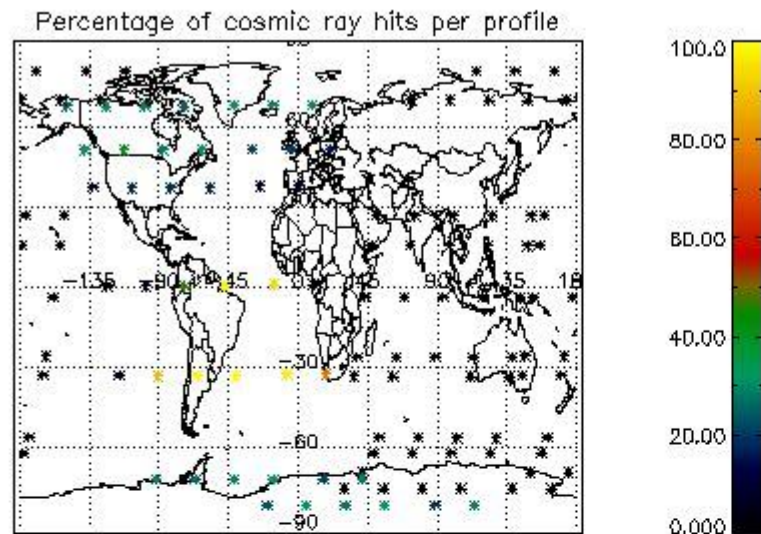
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	27.7311 %
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)

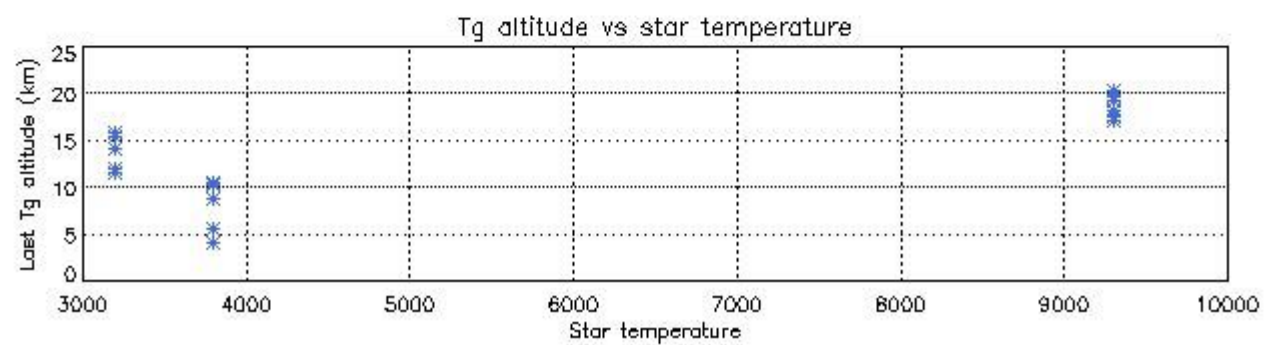
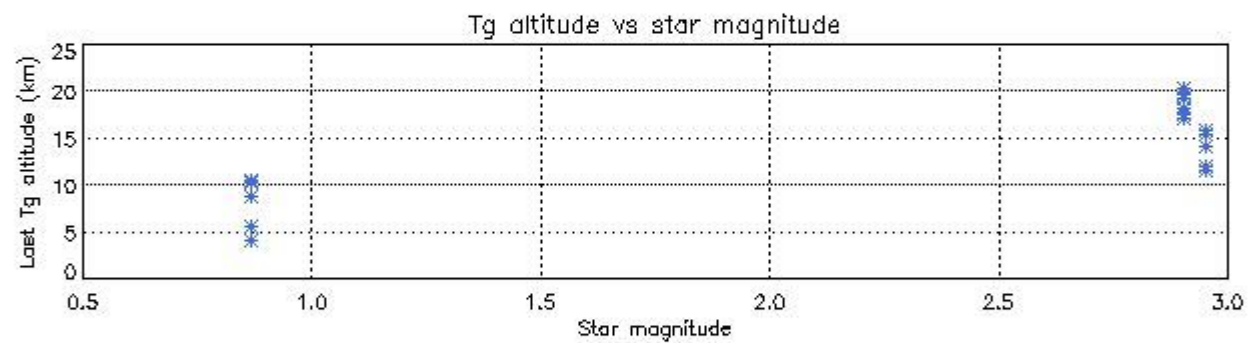
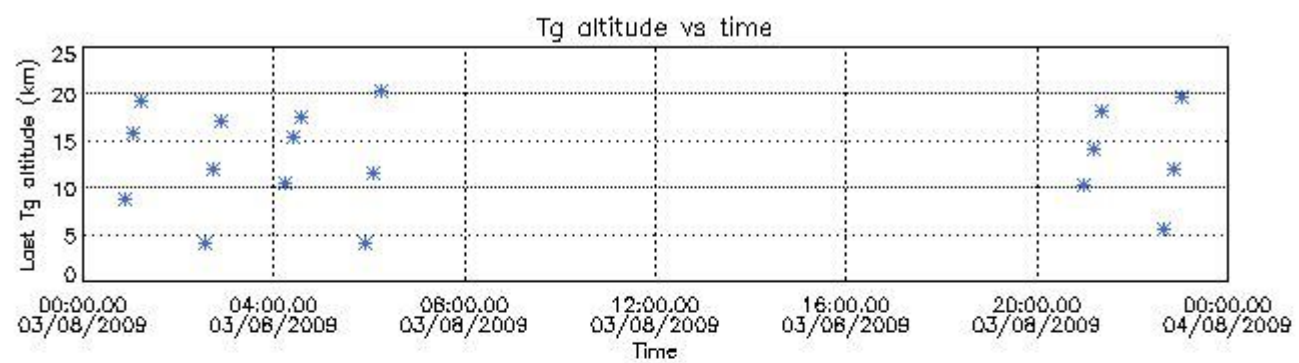
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.118	19.565	NaN
St. deviation:	5.2346	4.6282	NaN
Maximum:	20.393	30.596	NaN
Minimum:	4.1148	3.3663	NaN
Number of data:	18.000	75.000	NaN

### 6.2 Plot for DARK limb products

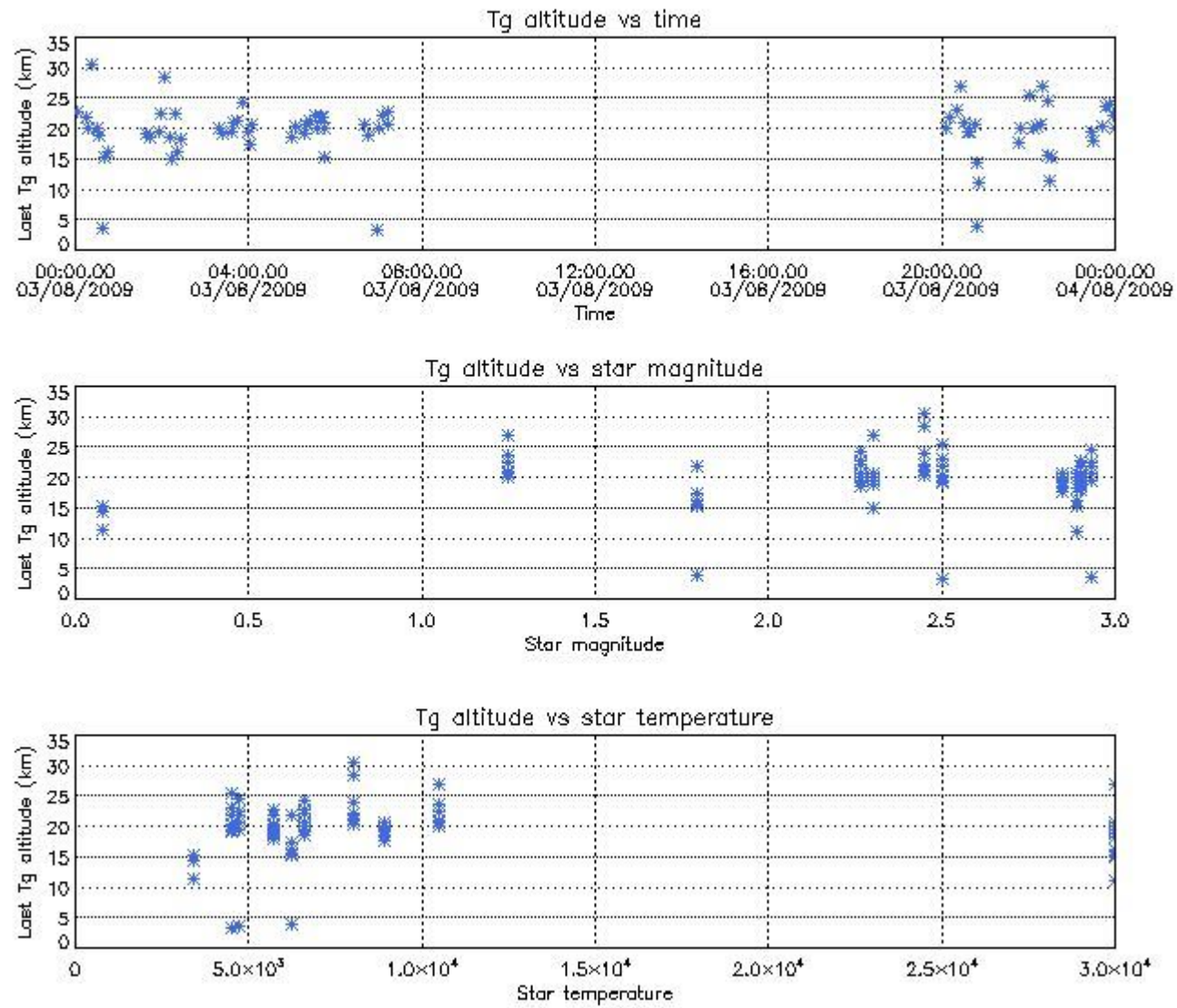


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

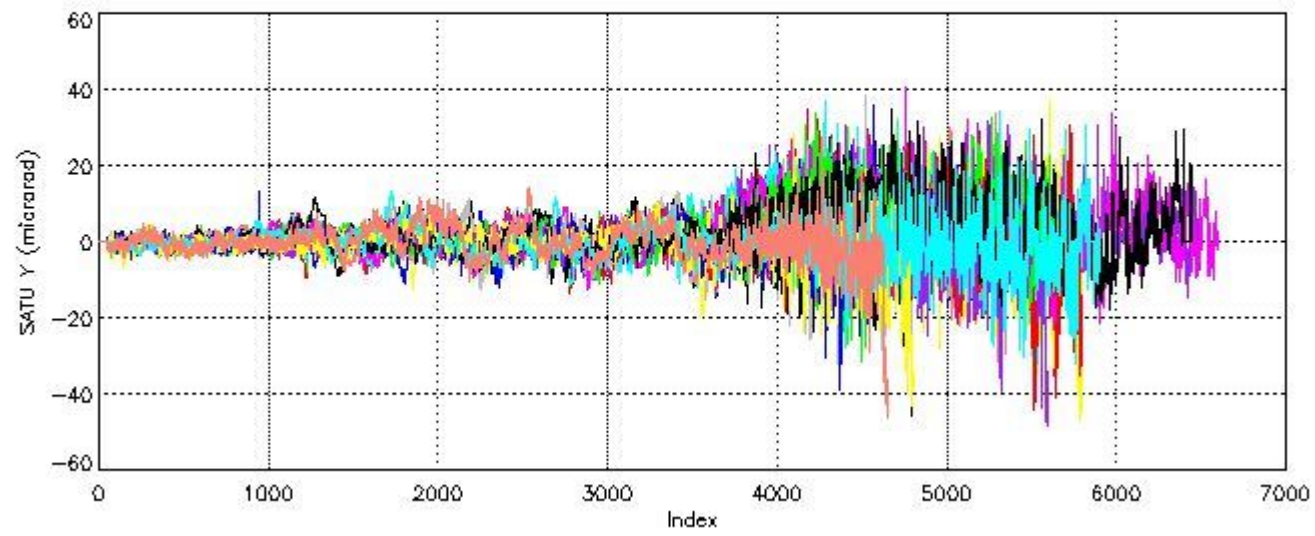
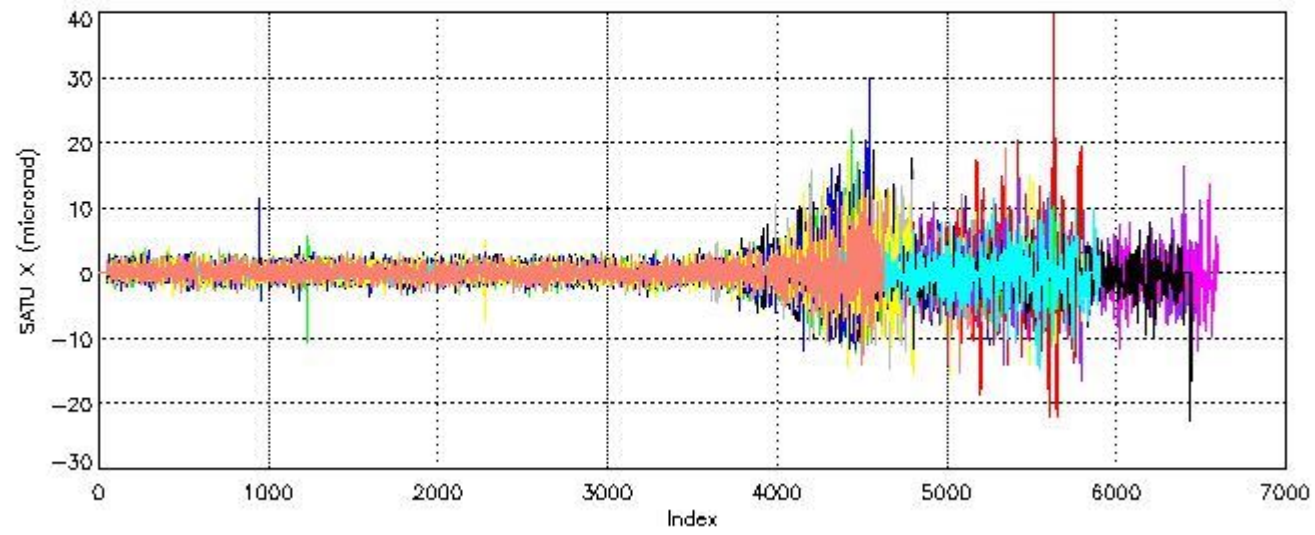


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.20755	-0.22823	0.27507	-0.40420
St. deviation:	0.49633	1.2191	0.79124	1.4468
Maximum:	11.300	13.000	6.6000	10.600
Minimum:	-4.3000	-6.6000	-5.6000	-9.9000

Number of data:	20350.	20350.	81000.	81000.
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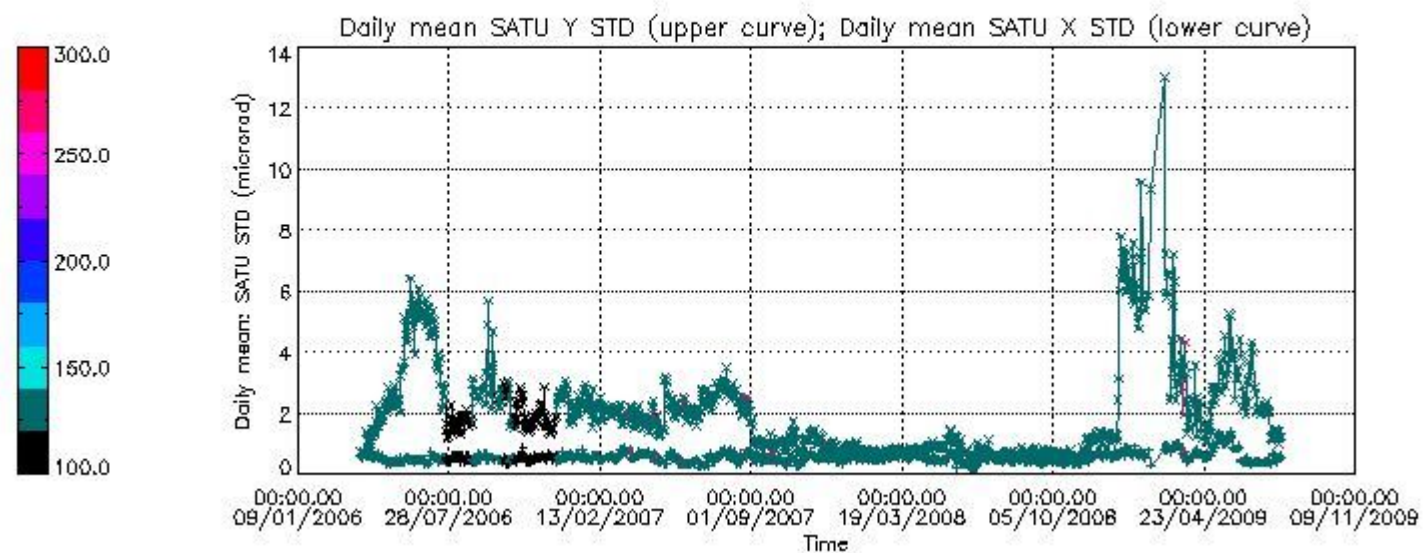
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

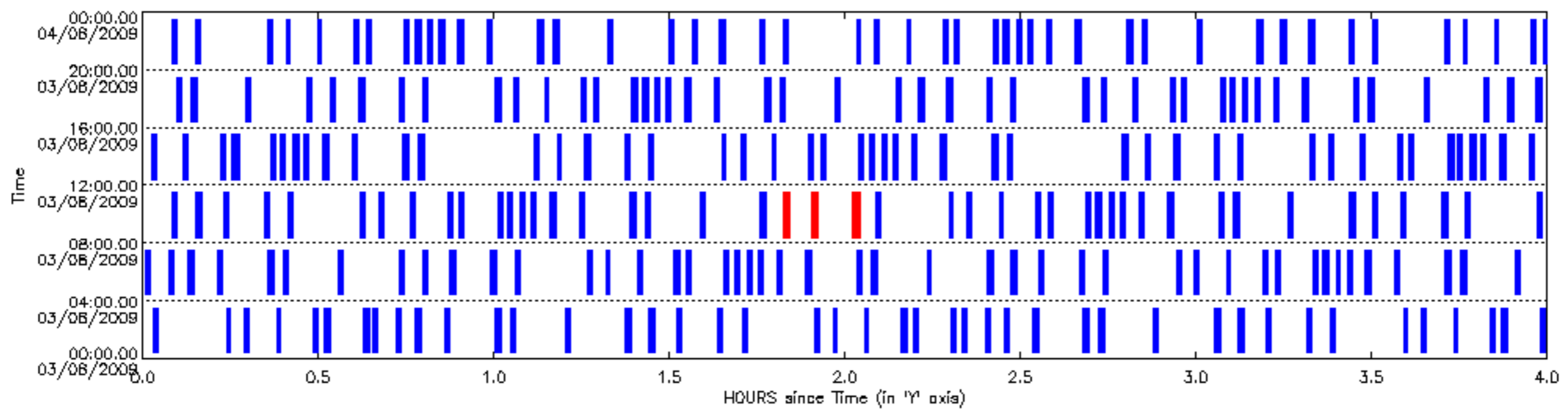
Lower curve: STD of SATU X axis

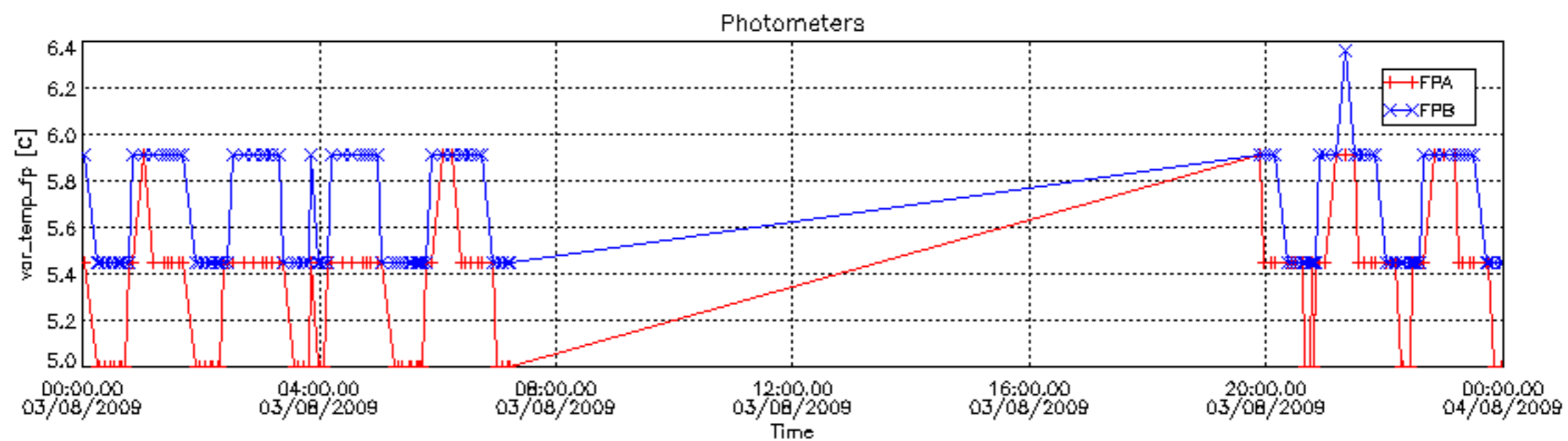
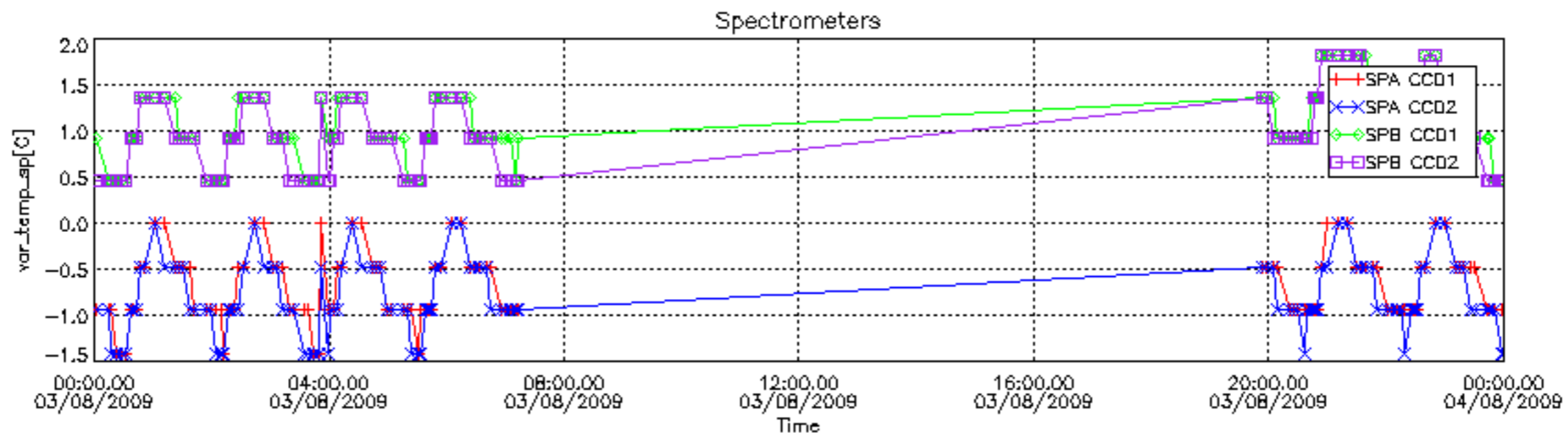


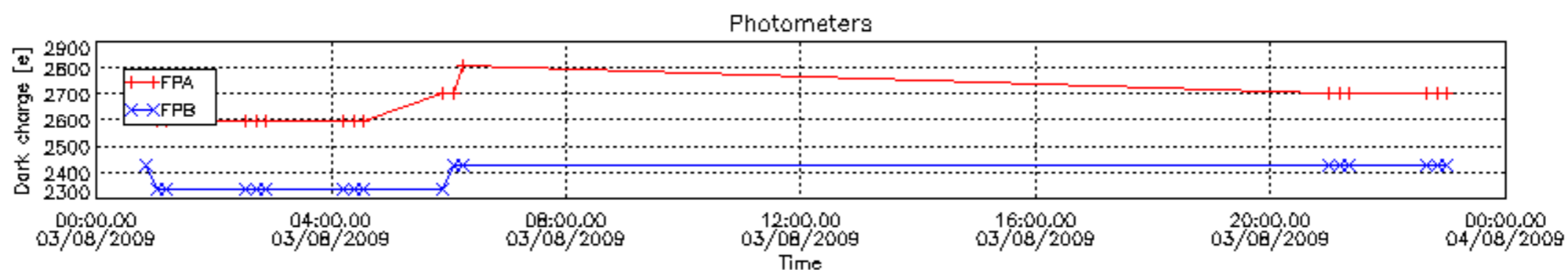
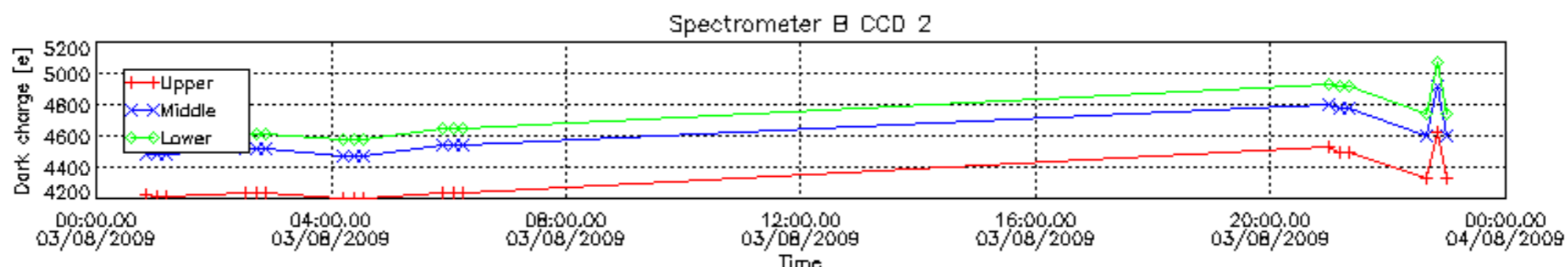
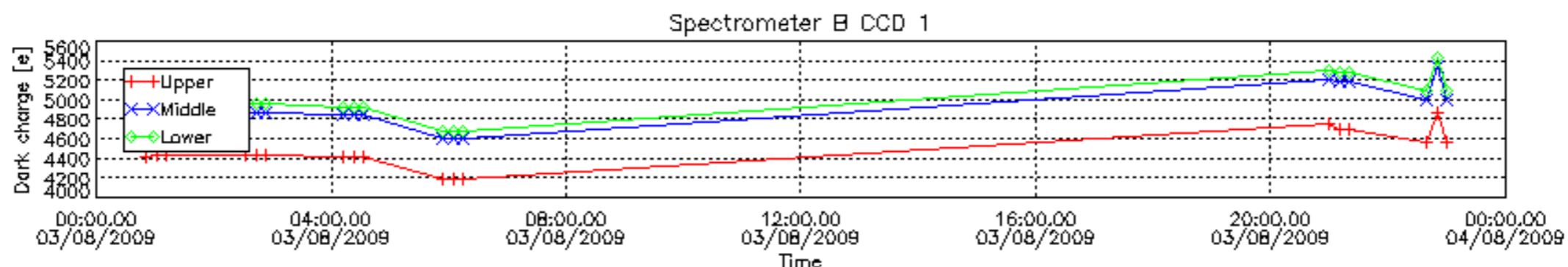
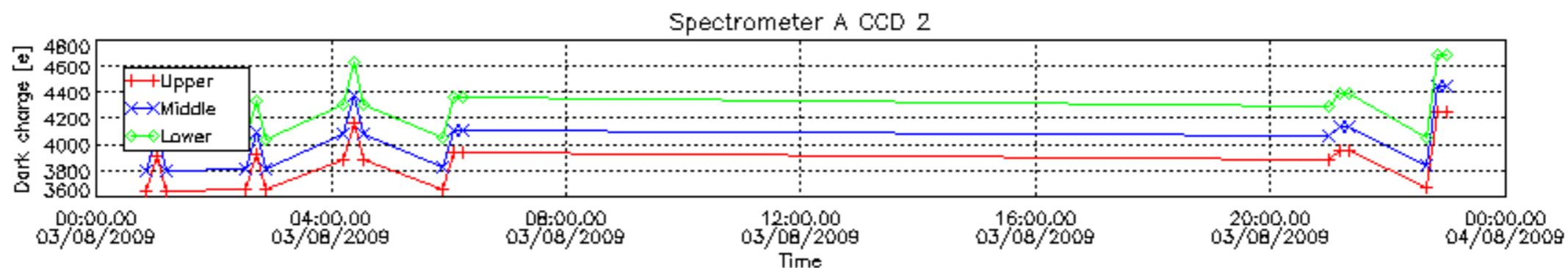
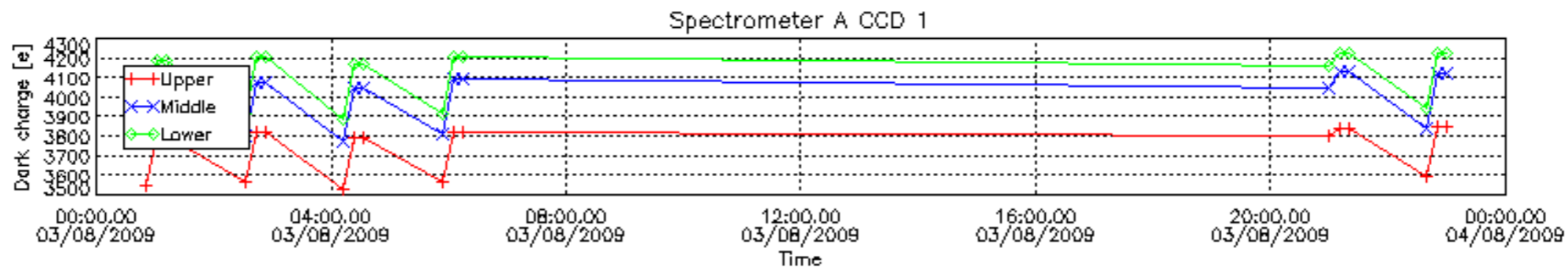
### 8. Auxiliary Data Files used for the production reported in section 2.4

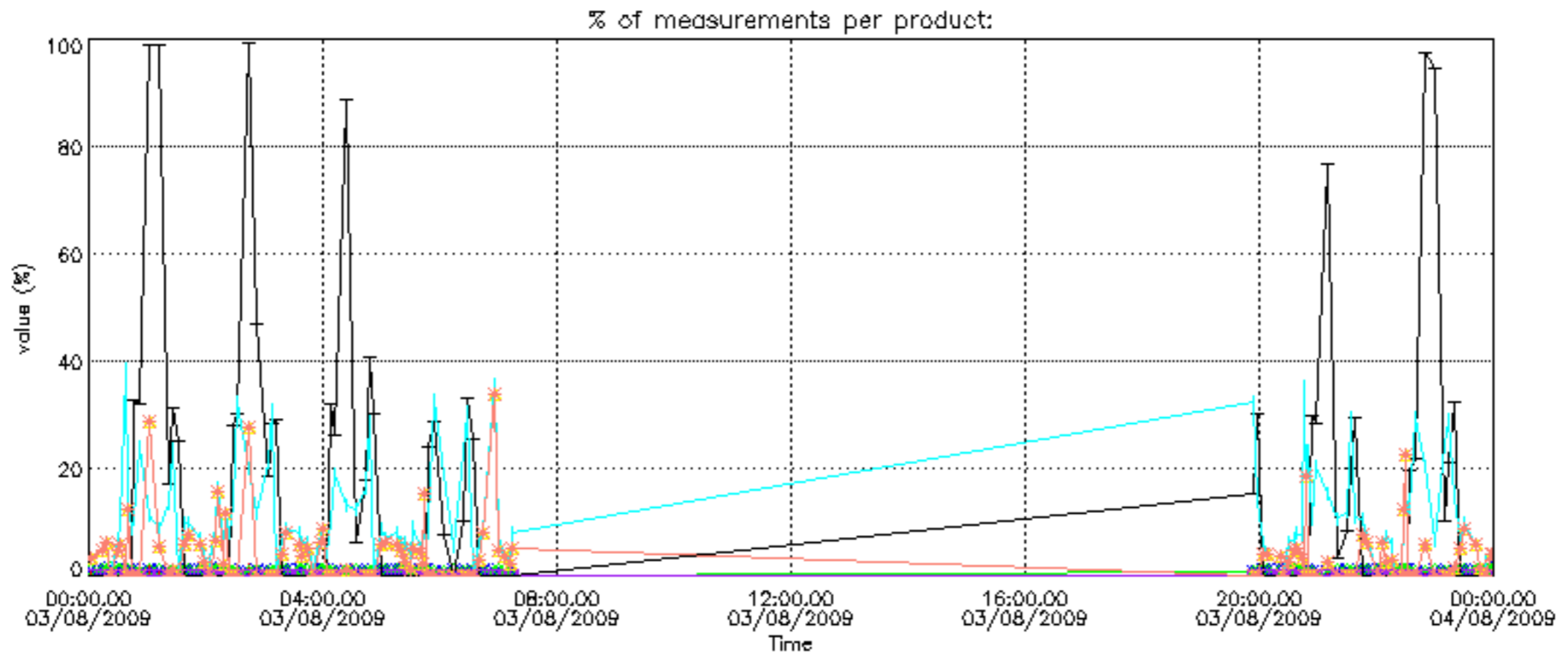
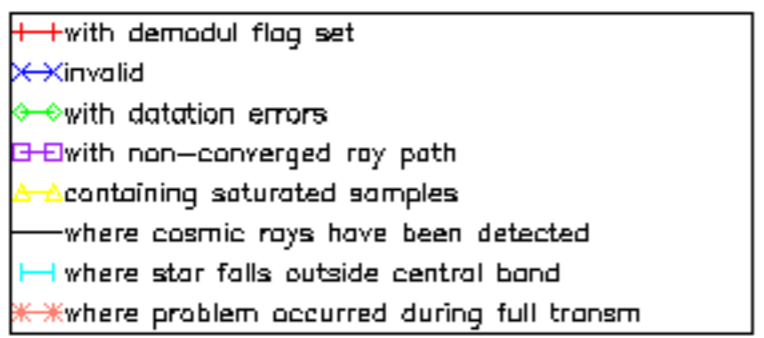
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	03-AUG-2009 00:01:46
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090730_093840_20090728_000000_20100101_000000	1	03-AUG-2009 00:01:46
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	03-AUG-2009 00:01:46
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	03-AUG-2009 00:01:46
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	03-AUG-2009 00:01:46
ECMWF_FILE	AUX_ECF_AXNECM20090802_064112_20090802_210000_20090803_090000	1	03-AUG-2009 00:01:46
ECMWF_FILE	AUX_ECF_AXNECM20090803_130744_20090803_150000_20090804_030000	76	03-AUG-2009 19:53:13
ECMWF_FILE	AUX_ECF_AXNECM20090803_130744_20090803_210000_20090804_090000	91	03-AUG-2009 21:10:07
OPTIONAL_ECMWF_FILE	MISSING	1	03-AUG-2009 00:01:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090802_213727_000057382081_00186_38817_8476.N1	1	03-AUG-2009 00:01:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090802_231824_000057382081_00187_38818_8477.N1	12	03-AUG-2009 01:02:44
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090803_005402_000047822081_00188_38819_8478.N1	26	03-AUG-2009 02:23:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090803_021903_000051012081_00189_38820_8479.N1	40	03-AUG-2009 03:52:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090803_034922_000057382081_00190_38821_8480.N1	58	03-AUG-2009 05:39:23
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090803_195103_000038252081_00200_38831_8482.N1	76	03-AUG-2009 19:53:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090803_210007_000060572081_00200_38831_8483.N1	109	03-AUG-2009 22:50:44



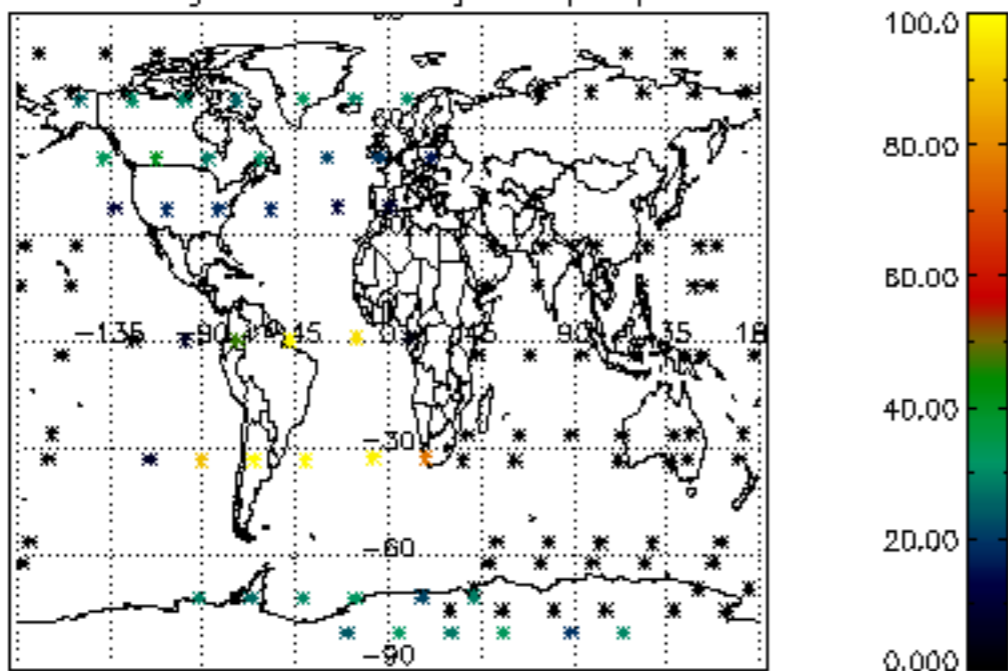




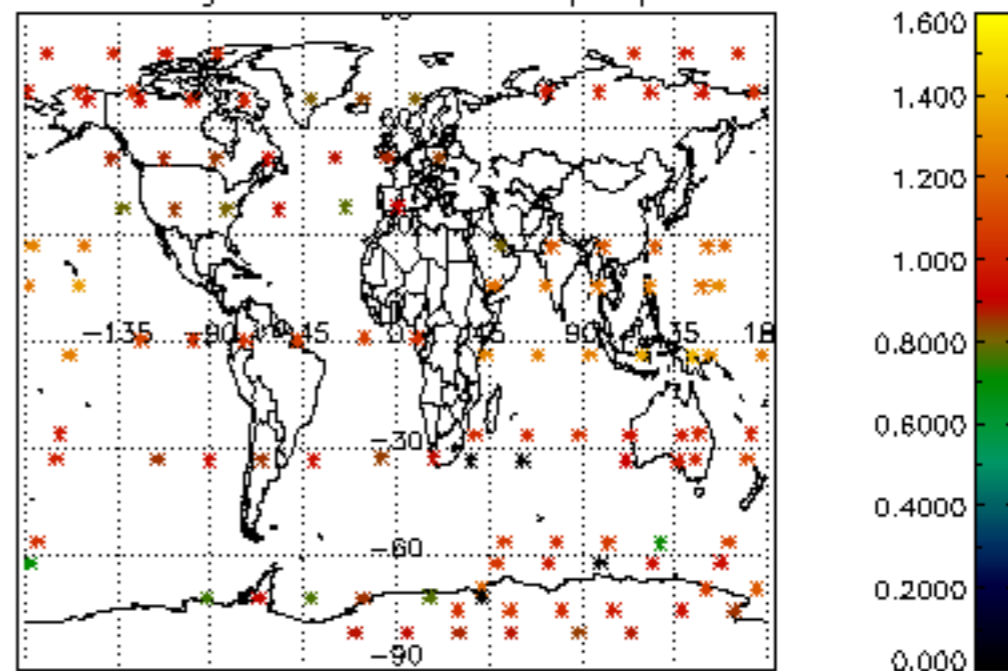




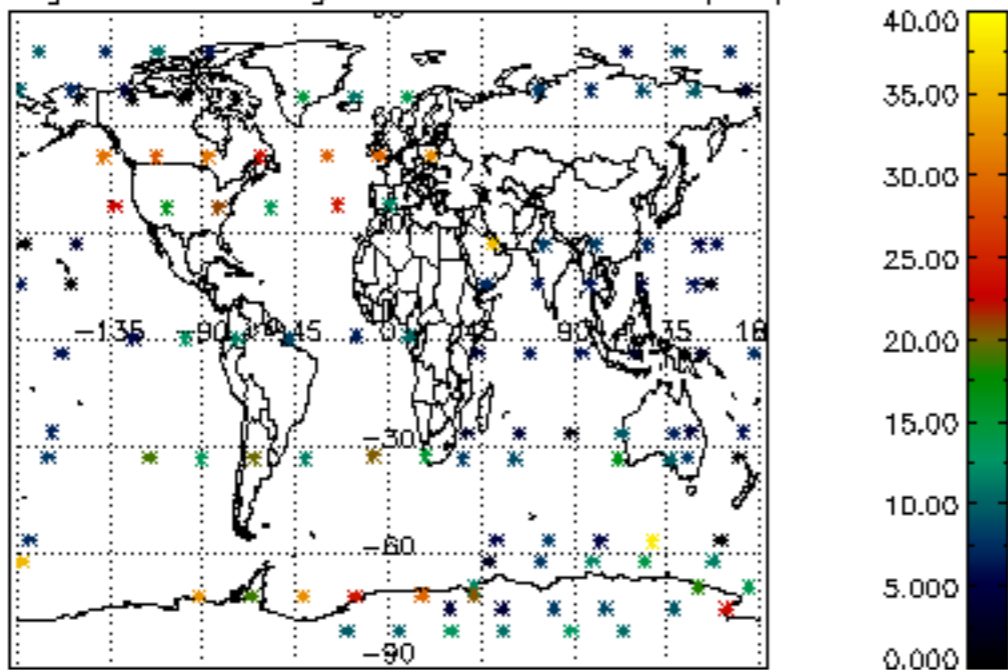
Percentage of cosmic ray hits per profile



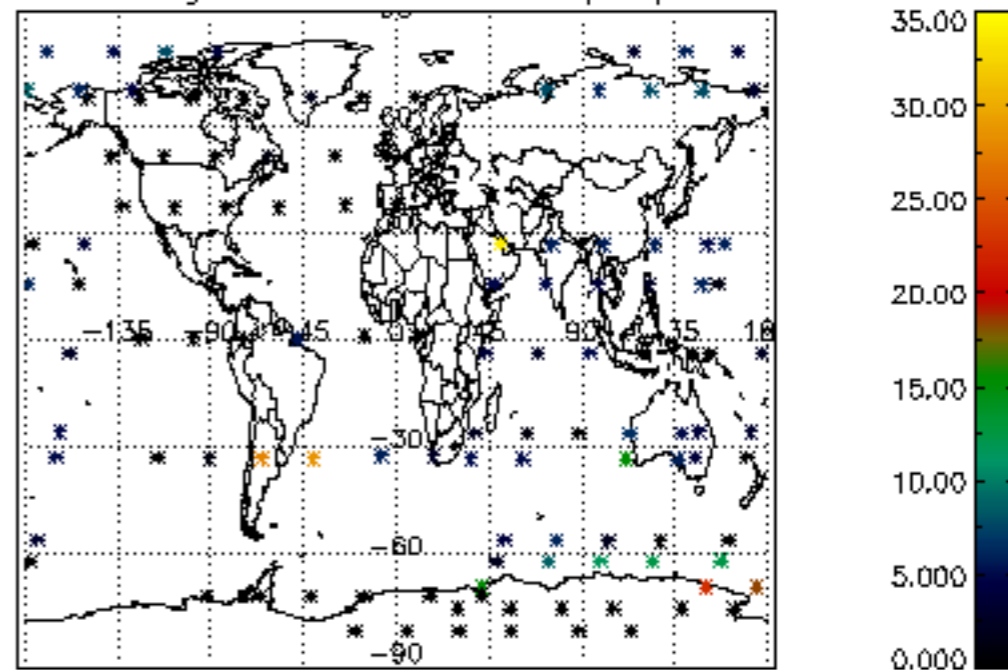
Percentage of datation errors per profile



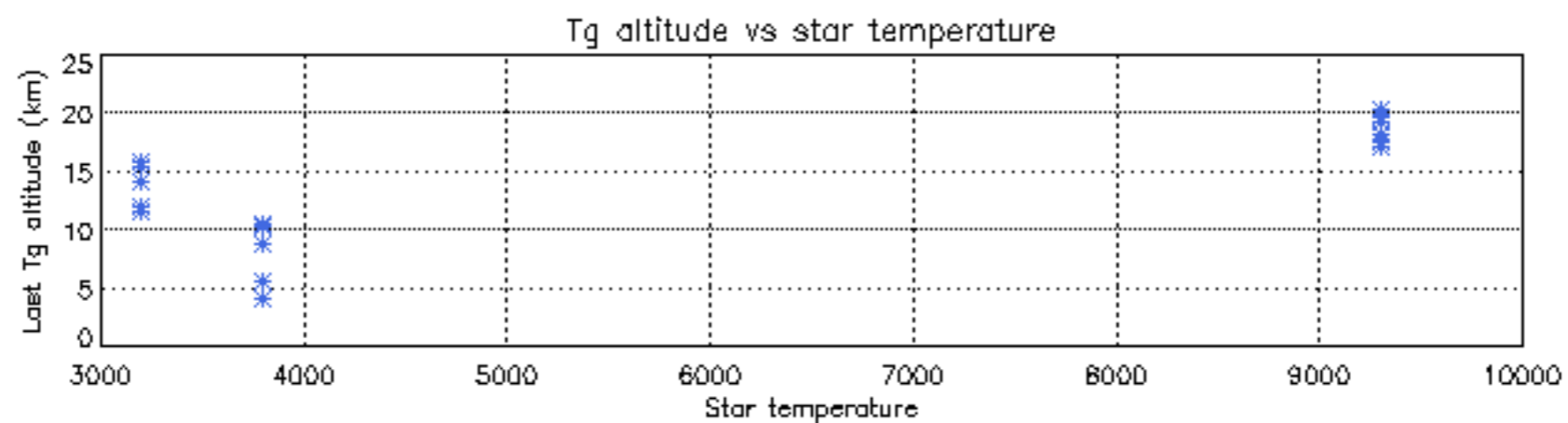
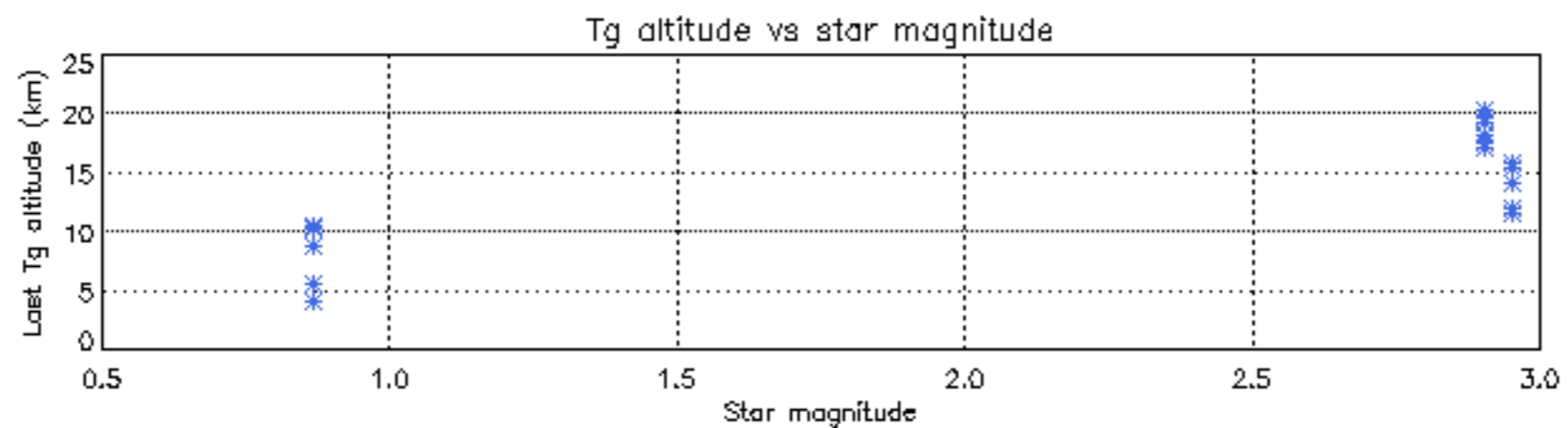
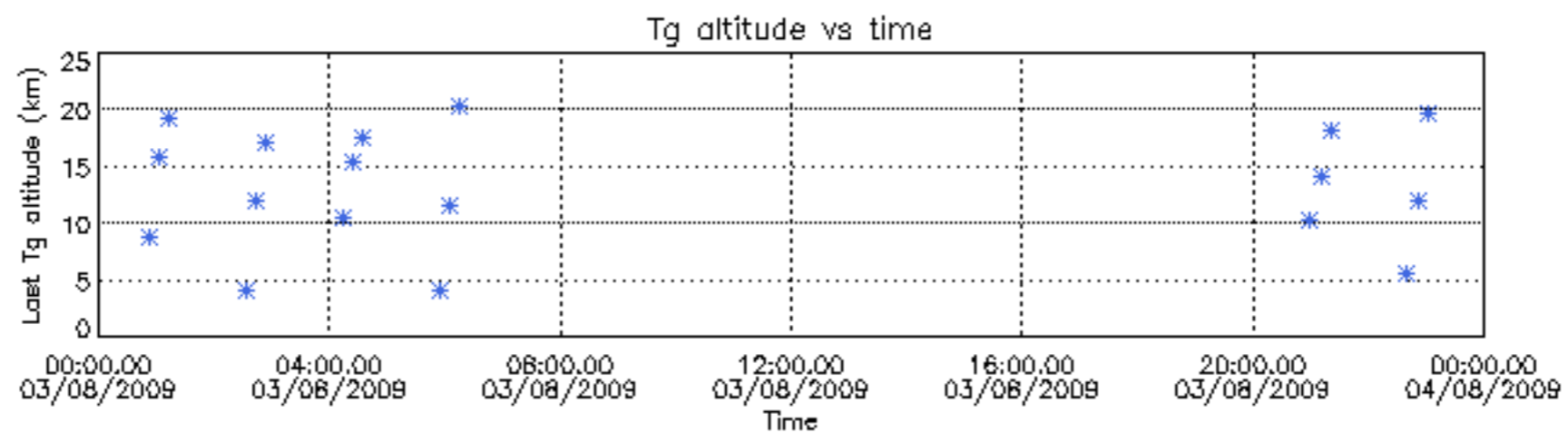
Percentage of star falling outside central band per profile



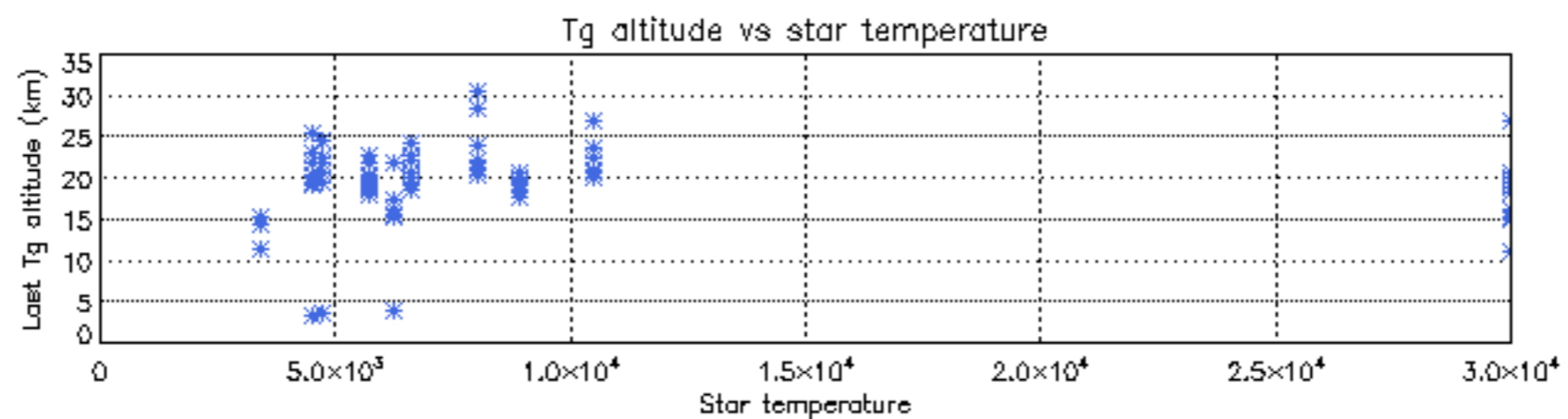
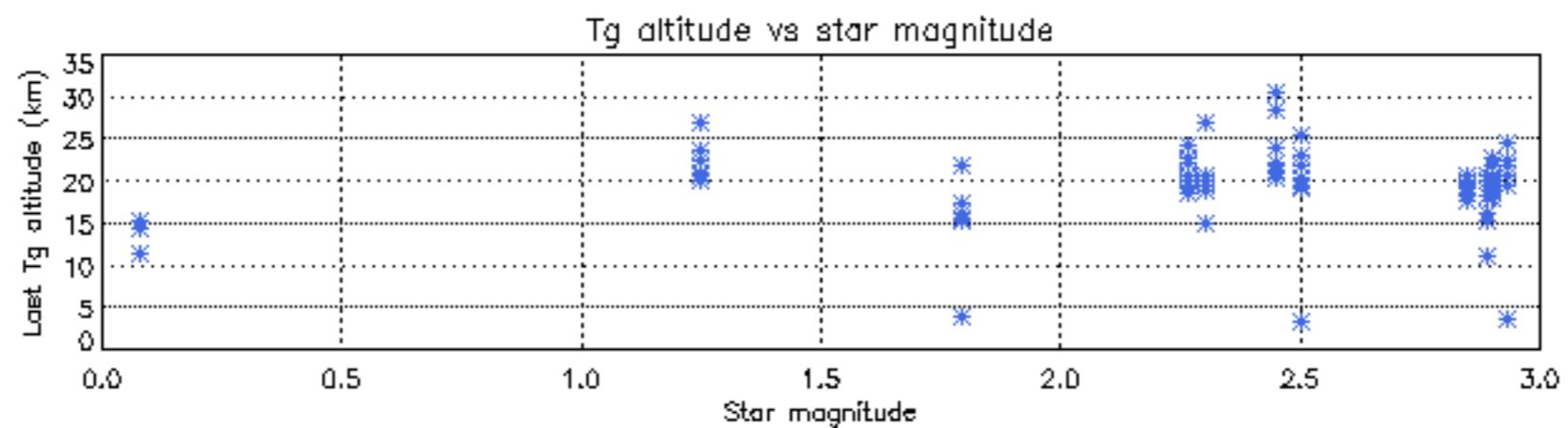
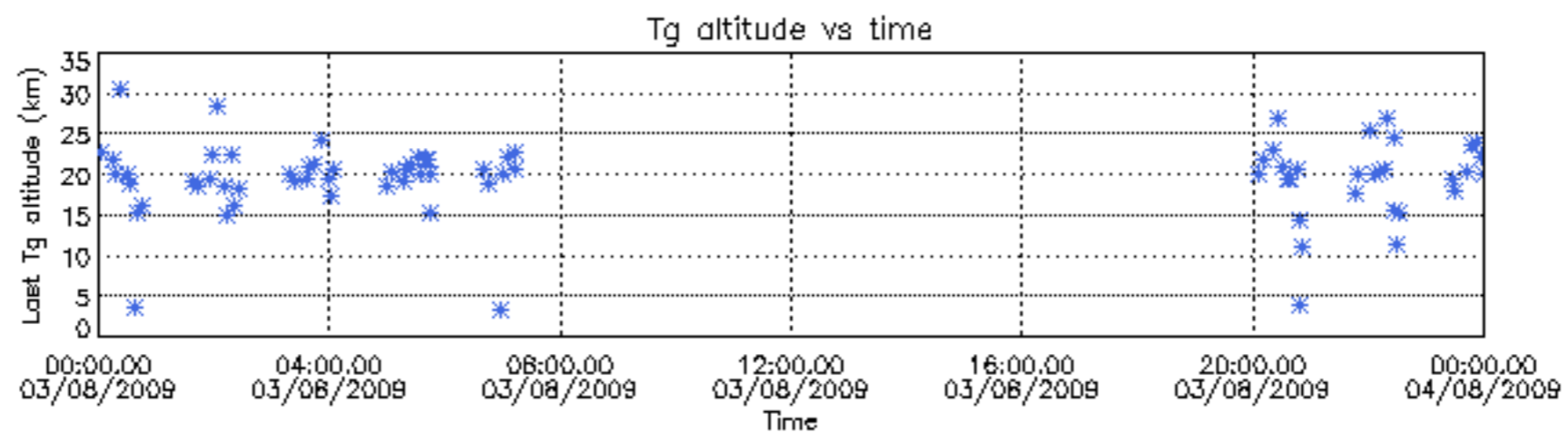
Percentage of saturation errors per profile

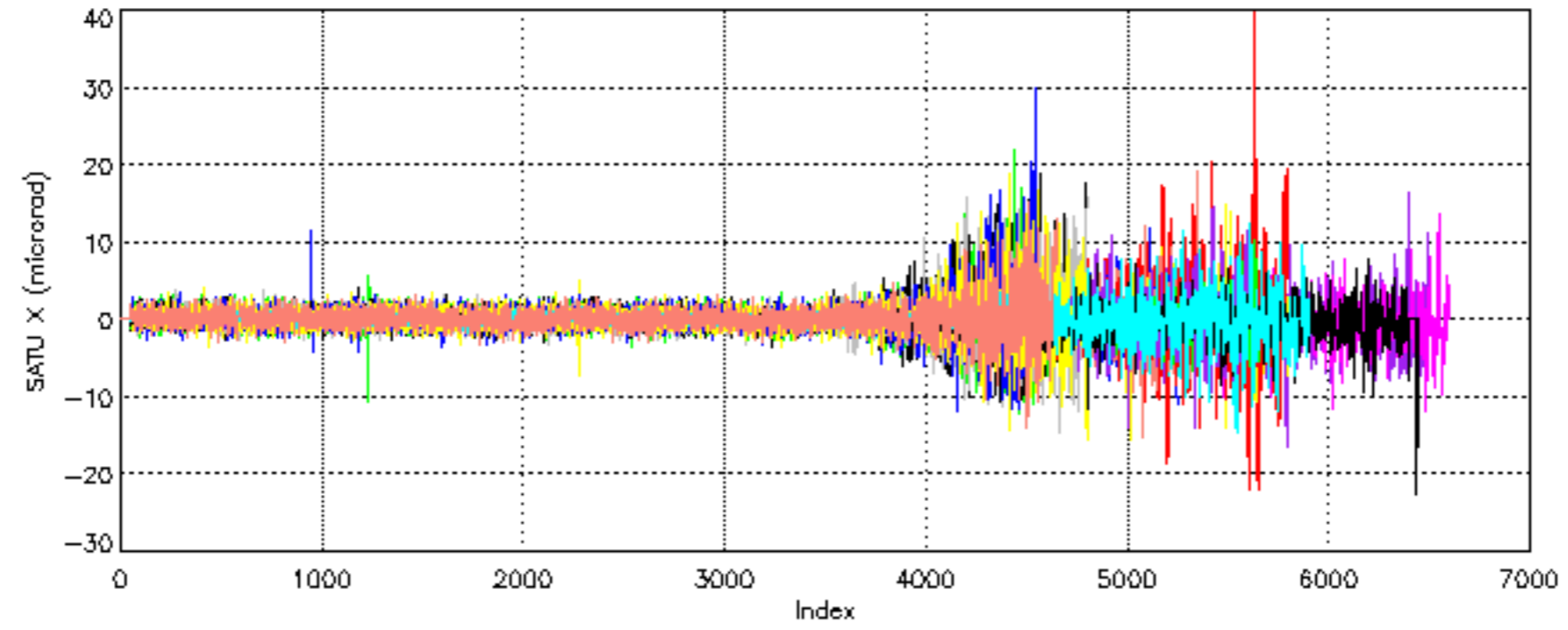


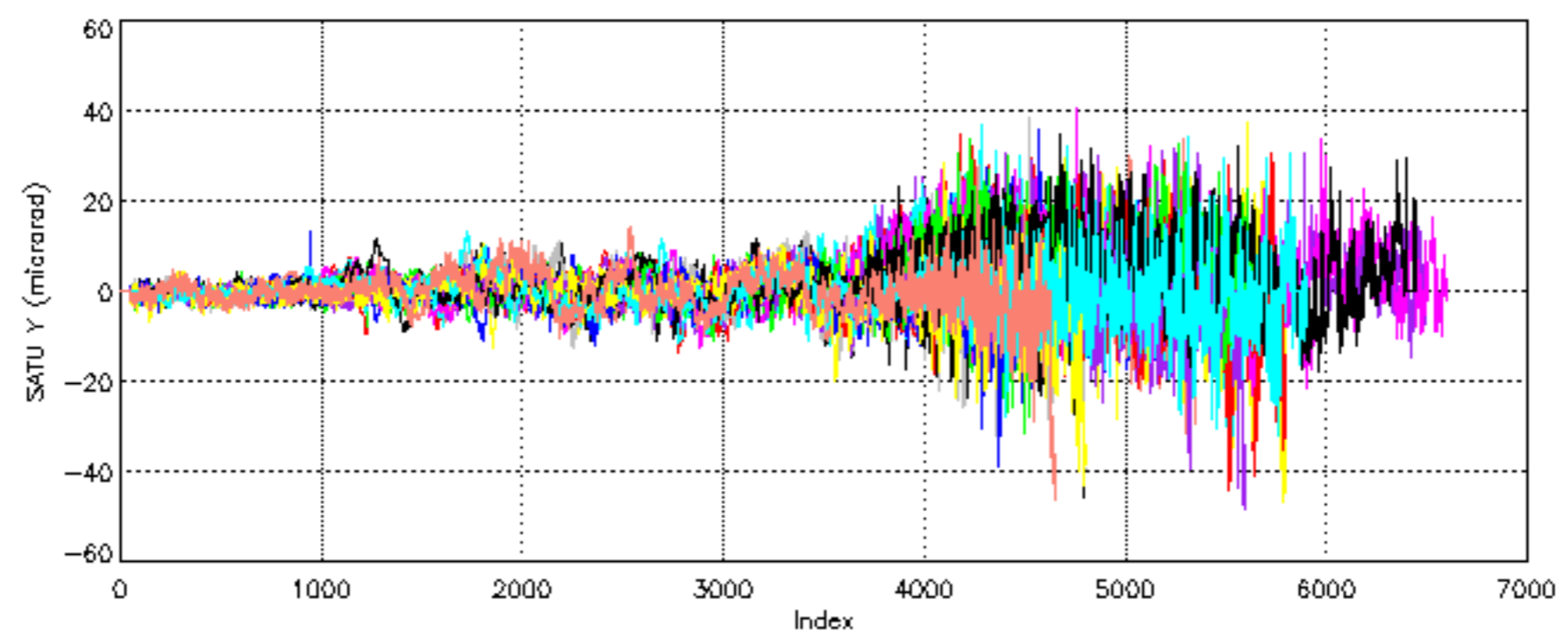
Tangent altitude at which the star is lost

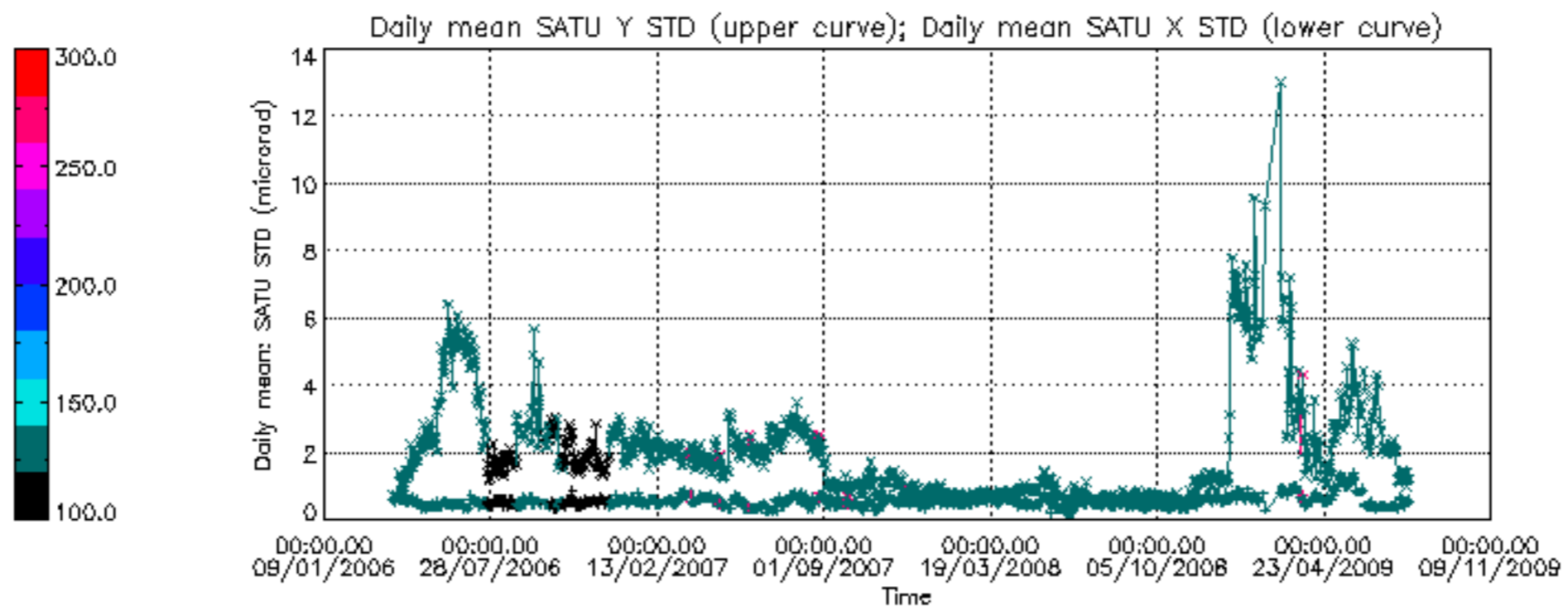


Tangent altitude at which the star is lost









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

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

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 5; 919.9; 01-AUG-2009 02:30:38; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;38792  
 6; 1108.3; 01-AUG-2009 02:33:46; Dark ; 45.5; 172; Gam Gru ; 3.00; 13100;occ; 91; 0;38792  
 7; 1570.1; 01-AUG-2009 02:41:28; Bright; 51.0; 142; 49Del Cap ; 2.85; 8900;occ; 102; 0;38792  
 8; 1823.6; 01-AUG-2009 02:45:41; Bright; 53.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 106; 0;38792  
 9; 2579.1; 01-AUG-2009 02:58:17; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;38792  
 10; 2765.9; 01-AUG-2009 03:01:24; Bright; 42.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 85; 0;38792  
 11; 3090.6; 01-AUG-2009 03:06:48; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;38792  
 12; 3478.4; 01-AUG-2009 03:13:16; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38792  
 13; 3595.8; 01-AUG-2009 03:15:14; Bright; 5.0; 76; 27Gam Cas ; 2.30; 30000;occ; 10; 0;38792

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 3; -1957.7; 01-AUG-2009 03:23:16; Bright; 61.0; 35; 33Alp Per ; 1.79; 6250;occ; 122; 0;38792  
 4; -1720.3; 01-AUG-2009 03:27:13; Bright; 45.5; 149; 45Eps Per ; 2.89; 30000;occ; 91; 0;38792  
 5; -1534.4; 01-AUG-2009 03:30:19; Dark ; 55.0; 150; 44Zet Per ; 2.89; 28000;occ; 110; 0;38792  
 6; -1245.8; 01-AUG-2009 03:35:08; Dark ; 44.0; 13; 87Alp Tau ; 0.87; 3800;occ; 88; 0;38792  
 7; -1085.9; 01-AUG-2009 03:37:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38792  
 8; -587.1; 01-AUG-2009 03:46:07; Dark ; 57.0; 165; 34Gam Eri ; 2.95; 3200;occ; 114; 0;38792  
 9; -21.8; 01-AUG-2009 03:55:32; Dark ; 44.5; 157; The1Eri ; 2.91; 9300;occ; 89; 0;38792  
 10; 595.3; 01-AUG-2009 04:05:49; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;38793  
 11; 920.5; 01-AUG-2009 04:11:14; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;38793  
 12; 1109.0; 01-AUG-2009 04:14:23; Dark ; 45.5; 172; Gam Gru ; 3.00; 13100;occ; 91; 0;38793  
 13; 1570.6; 01-AUG-2009 04:22:04; Bright; 52.0; 142; 49Del Cap ; 2.85; 8900;occ; 104; 0;38793  
 14; 1823.3; 01-AUG-2009 04:26:17; Bright; 52.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 105; 0;38793  
 15; 2578.6; 01-AUG-2009 04:38:52; Bright; 43.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 87; 0;38793  
 16; 2765.5; 01-AUG-2009 04:41:59; Bright; 42.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 84; 0;38793  
 17; 3090.1; 01-AUG-2009 04:47:24; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38793  
 18; 3477.5; 01-AUG-2009 04:53:51; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;38793  
 19; 3595.3; 01-AUG-2009 04:55:49; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;38793

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 9; 596.4; 01-AUG-2009 05:46:26; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;38794  
 10; 921.2; 01-AUG-2009 05:51:51; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;38794  
 11; 1109.5; 01-AUG-2009 05:54:59; Dark ; 45.0; 172; Gam Gru ; 3.00; 13100;occ; 90; 0;38794  
 12; 1570.5; 01-AUG-2009 06:02:40; Bright; 53.5; 142; 49Del Cap ; 2.85; 8900;occ; 107; 0;38794  
 13; 1823.1; 01-AUG-2009 06:06:53; Bright; 53.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 106; 0;38794  
 14; 2578.0; 01-AUG-2009 06:19:28; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;38794

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15; 2765.1; 01-AUG-2009 06:22:35; Bright; 61.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 122; 0;38794
16; 3089.9; 01-AUG-2009 06:28:00; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;38794
17; 3476.7; 01-AUG-2009 06:34:27; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;38794
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 3; 1821.1; 01-AUG-2009 21:12:14; Bright; 53.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 107; 0;38803
 4; 2573.2; 01-AUG-2009 21:24:46; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;38803
 5; 2760.7; 01-AUG-2009 21:27:54; Bright; 42.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 84; 0;38803
 6; 3086.0; 01-AUG-2009 21:33:19; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;38803
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 8; 3588.3; 01-AUG-2009 21:41:42; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38803
 9; 3974.8; 01-AUG-2009 21:48:08; Bright; 48.0; 160; 23Gam Per ; 2.93; 4700;occ; 96; 0;38803
10; 4075.3; 01-AUG-2009 21:49:49; Bright; 69.0; 35; 33Alp Per ; 1.79; 6250;occ; 138; 0;38803
11; 4315.0; 01-AUG-2009 21:53:48; Bright; 46.5; 149; 45Eps Per ; 2.89; 30000;occ; 93; 0;38803
12; 4503.1; 01-AUG-2009 21:56:56; Dark ; 55.5; 150; 44Zet Per ; 2.89; 28000;occ; 111; 0;38803
13; 4698.7; 01-AUG-2009 22:00:12; Dark ; 59.5; 146; 25Eta Tau ; 2.87; 15200;occ; 119; 0;38803
14; 4794.5; 01-AUG-2009 22:01:48; Dark ; 57.5; 13; 87Alp Tau ; 0.87; 3800;occ; 115; 0;38803
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 4; 606.9; 01-AUG-2009 22:32:36; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;38804
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 6; 1114.2; 01-AUG-2009 22:41:03; Dark ; 44.0; 172; Gam Gru ; 3.00; 13100;occ; 88; 0;38804
 7; 1571.5; 01-AUG-2009 22:48:41; Bright; 52.0; 142; 49Del Cap ; 2.85; 8900;occ; 104; 0;38804
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 9; 2572.8; 01-AUG-2009 23:05:22; Bright; 47.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 95; 0;38804
10; 2760.2; 01-AUG-2009 23:08:29; Bright; 38.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 77; 0;38804
11; 3085.5; 01-AUG-2009 23:13:55; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38804
12; 3468.5; 01-AUG-2009 23:20:18; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;38804
13; 3587.5; 01-AUG-2009 23:22:17; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;38804
14; 3974.4; 01-AUG-2009 23:28:43; Bright; 70.0; 160; 23Gam Per ; 2.93; 4700;occ; 140; 0;38804
15; 4075.0; 01-AUG-2009 23:30:24; Bright; 69.0; 35; 33Alp Per ; 1.79; 6250;occ; 138; 0;38804
16; 4314.9; 01-AUG-2009 23:34:24; Bright; 48.5; 149; 45Eps Per ; 2.89; 30000;occ; 97; 0;38804
17; 4503.3; 01-AUG-2009 23:37:32; Dark ; 55.5; 150; 44Zet Per ; 2.89; 28000;occ; 111; 0;38804
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19; 4794.9; 01-AUG-2009 23:42:24; Dark ; 58.5; 13; 87Alp Tau ; 0.87; 3800;occ; 117; 0;38804
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 3; -10.3; 02-AUG-2009 00:02:55; Dark ; 46.0; 157; The1Eri ; 2.91; 9300;occ; 92; 0;38804
 4; 607.9; 02-AUG-2009 00:13:13; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;38805
 5; 930.2; 02-AUG-2009 00:18:35; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;38805
 6; 1114.7; 02-AUG-2009 00:21:40; Dark ; 45.5; 172; Gam Gru ; 3.00; 13100;occ; 91; 0;38805
 7; 1571.4; 02-AUG-2009 00:29:16; Bright; 74.0; 142; 49Del Cap ; 2.85; 8900;occ; 148; 0;38805
 8; 1820.9; 02-AUG-2009 00:33:26; Bright; 50.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 100; 0;38805
 9; 2572.1; 02-AUG-2009 00:45:57; Bright; 42.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 84; 0;38805
10; 2759.8; 02-AUG-2009 00:49:05; Bright; 60.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 120; 0;38805
11; 3085.1; 02-AUG-2009 00:54:30; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38805
12; 3467.7; 02-AUG-2009 01:00:53; Bright; 52.5; 74; 11Bet Cas ; 2.27; 6600;occ; 105; 0;38805
13; 3586.8; 02-AUG-2009 01:02:52; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38805
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 3; -1958.1; 01-AUG-2009 06:44:28; Bright; 50.0; 35; 33Alp Per ; 1.79; 6250;occ; 100; 0;38794
 4; -1720.5; 01-AUG-2009 06:48:25; Bright; 47.0; 149; 45Eps Per ; 2.89; 30000;occ; 94; 0;38794
 5; -1590.1; 01-AUG-2009 06:50:36; Bright; 47.5; 114; 3Iot Aur ; 2.69; 4600;occ; 95; 0;38794
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4; 3089.2; 01-AUG-2009 08:08:35; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;38795
5; 3476.0; 01-AUG-2009 08:15:02; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;38795
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7; 3977.8; 01-AUG-2009 08:23:24; Bright; 47.0; 160; 23Gam Per ; 2.93; 4700;occ; 94; 0;38795
8; 4077.6; 01-AUG-2009 08:25:03; Bright; 51.5; 35; 33Alp Per ; 1.79; 6250;occ; 103; 0;38795
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 4; 3082.3; 02-AUG-2009 12:38:39; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;38812
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 6; 3582.0; 02-AUG-2009 12:46:58; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;38812
 7; 3971.6; 02-AUG-2009 12:53:28; Bright; 47.0; 160; 23Gam Per ; 2.93; 4700;occ; 94; 0;38812
 8; 4072.8; 02-AUG-2009 12:55:09; Bright; 51.5; 35; 33Alp Per ; 1.79; 6250;occ; 103; 0;38812
 9; 4314.8; 02-AUG-2009 12:59:11; Bright; 48.0; 149; 45Eps Per ; 2.89; 30000;occ; 96; 0;38812
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11; 4702.5; 02-AUG-2009 13:05:39; Dark ; 29.0; 146; 25Eta Tau ; 2.87; 15200;occ; 58; 0;38812
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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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9; 3516.7; 08-AUG-2009 21:20:23; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 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
7; 1202.9; 08-AUG-2009 22:22:25; Dark ; 57.0; 18; 24Alp PsA ; 1.17; 9700;occ; 114; 0;38904
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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22; 4840.9; 08-AUG-2009 23:23:03; Dark ; 62.5; 13; 87Alp Tau ; 0.87; 3800;occ; 125; 0;38904
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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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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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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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12; 4532.6; 08-AUG-2009 11:33:43; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38897  
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22; 6947.5; 08-AUG-2009 13:54:34; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;38898  
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4; 2532.3; 08-AUG-2009 14:21:35; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38899  
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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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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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6; 2722.6; 08-AUG-2009 17:45:57; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38901
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3; 2153.4; 09-AUG-2009 08:41:51; Bright; 51.5; 61; 8Eps Peg ; 2.10; 3900;occ; 103; 0;38910  
4; 2528.7; 09-AUG-2009 08:48:06; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38910  
5; 2719.9; 09-AUG-2009 08:51:18; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;38910  
6; 3045.5; 09-AUG-2009 08:56:43; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;38910  
7; 3382.7; 09-AUG-2009 09:02:20; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38910  
8; 3511.5; 09-AUG-2009 09:04:29; Bright; 49.5; 76; 27Gam Cas ; 2.30; 30000;occ; 99; 0;38910  
9; 3928.8; 09-AUG-2009 09:11:26; Bright; 74.0; 160; 23Gam Per ; 2.93; 4700;occ; 148; 0;38910  
10; 4039.1; 09-AUG-2009 09:13:17; Bright; 56.5; 35; 33Alp Per ; 1.79; 6250;occ; 113; 0;38910  
11; 4199.7; 09-AUG-2009 09:15:57; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;38910  
12; 4307.6; 09-AUG-2009 09:17:45; Bright; 54.0; 149; 45Eps Per ; 2.89; 30000;occ; 108; 0;38910  
13; 4535.2; 09-AUG-2009 09:21:33; Dark ; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;38910  
14; 4667.5; 09-AUG-2009 09:23:45; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38910  
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17; 5235.5; 09-AUG-2009 09:33:13; Dark ; 48.5; 7; 19Bet Ori ; 0.10; 14000;occ; 97; 0;38910  
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3; 2528.3; 09-AUG-2009 10:28:42; Bright; 38.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 77; 0;38911

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8; 3928.5; 09-AUG-2009 10:52:02; Bright; 49.5; 160; 23Gam Per ; 2.93; 4700;occ; 99; 0;38911
9; 4038.8; 09-AUG-2009 10:53:52; Bright; 52.5; 35; 33Alp Per ; 1.79; 6250;occ; 105; 0;38911
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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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15; 4957.5; 09-AUG-2009 11:09:11; Dark ; 41.0; 27; 24Gam Ori ; 1.64; 26000;occ; 82; 0;38911
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5; 3044.8; 09-AUG-2009 12:17:54; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38912
6; 3381.2; 09-AUG-2009 12:23:31; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;38912
7; 3510.0; 09-AUG-2009 12:25:39; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;38912
8; 3927.8; 09-AUG-2009 12:32:37; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38912
9; 4038.5; 09-AUG-2009 12:34:28; Bright; 54.5; 35; 33Alp Per ; 1.79; 6250;occ; 109; 0;38912
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11; 4307.2; 09-AUG-2009 12:38:57; Bright; 52.5; 149; 45Eps Per ; 2.89; 30000;occ; 105; 0;38912
12; 4535.5; 09-AUG-2009 12:42:45; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38912
13; 4668.2; 09-AUG-2009 12:44:58; Dark ; 42.0; 176; 23Zet Tau ; 3.02; 22000;occ; 84; 0;38912
14; 4845.2; 09-AUG-2009 12:47:55; Dark ; 62.5; 13; 87Alp Tau ; 0.87; 3800;occ; 125; 0;38912
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17; 5583.9; 09-AUG-2009 13:00:13; Dark ; 65.0; 165; 34Gam Eri ; 2.95; 3200;occ; 130; 0;38912
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4; 2719.0; 09-AUG-2009 13:53:04; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38913
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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7; 3509.1; 09-AUG-2009 14:06:14; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;38913
8; 3927.4; 09-AUG-2009 14:13:13; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38913
9; 4038.2; 09-AUG-2009 14:15:04; Bright; 53.0; 35; 33Alp Per ; 1.79; 6250;occ; 106; 0;38913
10; 4199.6; 09-AUG-2009 14:17:45; Bright; 59.0; 6; 13Alp Aur ; 0.08; 3400;occ; 118; 0;38913
11; 4307.1; 09-AUG-2009 14:19:32; Bright; 54.0; 149; 45Eps Per ; 2.89; 30000;occ; 108; 0;38913
12; 4535.8; 09-AUG-2009 14:23:21; Dark ; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;38913
13; 4668.5; 09-AUG-2009 14:25:34; Dark ; 40.5; 176; 23Zet Tau ; 3.02; 22000;occ; 81; 0;38913
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 9; 3367.4; 10-AUG-2009 16:53:28; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38929
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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
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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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4; 1940.3; 11-AUG-2009 20:59:51; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38946  
5; 2136.5; 11-AUG-2009 21:03:08; Bright; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;38946  
6; 2517.3; 11-AUG-2009 21:09:28; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38946  
7; 2709.2; 11-AUG-2009 21:12:40; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38946  
8; 3033.8; 11-AUG-2009 21:18:05; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38946  
9; 3353.7; 11-AUG-2009 21:23:25; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38946  
10; 3484.7; 11-AUG-2009 21:25:36; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38946  
11; 3910.7; 11-AUG-2009 21:32:42; Bright; 59.5; 160; 23Gam Per ; 2.93; 4700;occ; 119; 0;38946  
12; 4024.1; 11-AUG-2009 21:34:35; Bright; 42.0; 35; 33Alp Per ; 1.79; 6250;occ; 84; 0;38946  
13; 4098.3; 11-AUG-2009 21:35:49; Bright; 50.0; 175; 39Del Per ; 3.01; 19400;occ; 100; 0;38946  
14; 4541.6; 11-AUG-2009 21:43:13; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38946  
15; 4677.2; 11-AUG-2009 21:45:28; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38946  
16; 4864.4; 11-AUG-2009 21:48:35; Dark ; 69.5; 13; 87Alp Tau ; 0.87; 3800;occ; 139; 0;38946  
17; 4974.2; 11-AUG-2009 21:50:25; Dark ; 49.5; 27; 24Gam Ori ; 1.64; 26000;occ; 99; 0;38946  
18; 5089.9; 11-AUG-2009 21:52:21; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38946  
19; 5173.2; 11-AUG-2009 21:53:44; Dark ; 43.5; 125; 44Iot Ori ; 2.77; 30000;occ; 87; 0;38946  
20; 5258.7; 11-AUG-2009 21:55:10; Dark ; 35.5; 7; 19Bet Ori ; 0.10; 14000;occ; 71; 0;38946

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2; -404.6; 11-AUG-2009 22:01:22; Dark ; 68.0; 165; 34Gam Eri ; 2.95; 3200;occ; 136; 0;38946  
3; -178.5; 11-AUG-2009 22:05:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38946  
4; 140.4; 11-AUG-2009 22:10:27; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;38947  
5; 748.0; 11-AUG-2009 22:20:35; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;38947  
6; 1224.8; 11-AUG-2009 22:28:32; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38947  
7; 1585.3; 11-AUG-2009 22:34:32; Bright; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;38947  
8; 1802.8; 11-AUG-2009 22:38:10; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38947  
9; 1939.9; 11-AUG-2009 22:40:27; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38947  
10; 2136.3; 11-AUG-2009 22:43:43; Bright; 48.5; 61; 8Eps Peg ; 2.10; 3900;occ; 97; 0;38947  
11; 2517.3; 11-AUG-2009 22:50:04; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38947  
12; 2709.1; 11-AUG-2009 22:53:16; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38947  
13; 3033.5; 11-AUG-2009 22:58:40; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38947  
14; 3353.0; 11-AUG-2009 23:04:00; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38947  
15; 3483.9; 11-AUG-2009 23:06:11; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38947  
16; 3910.2; 11-AUG-2009 23:13:17; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;38947  
17; 4023.6; 11-AUG-2009 23:15:11; Bright; 42.0; 35; 33Alp Per ; 1.79; 6250;occ; 84; 0;38947  
18; 4098.0; 11-AUG-2009 23:16:25; Bright; 64.0; 175; 39Del Per ; 3.01; 19400;occ; 128; 0;38947  
19; 4541.8; 11-AUG-2009 23:23:49; Dark ; 48.5; 28; 12Bet Tau ; 1.65; 15200;occ; 97; 0;38947  
20; 4677.4; 11-AUG-2009 23:26:04; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38947  
21; 4864.9; 11-AUG-2009 23:29:12; Dark ; 74.5; 13; 87Alp Tau ; 0.87; 3800;occ; 149; 0;38947  
22; 4974.7; 11-AUG-2009 23:31:02; Dark ; 50.5; 27; 24Gam Ori ; 1.64; 26000;occ; 101; 0;38947  
23; 5090.4; 11-AUG-2009 23:32:57; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;38947  
24; 5173.7; 11-AUG-2009 23:34:21; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;38947  
25; 5259.4; 11-AUG-2009 23:35:46; Dark ; 61.0; 7; 19Bet Ori ; 0.10; 14000;occ; 122; 0;38947

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1; -772.5; 11-AUG-2009 23:35:50; Dark ; 62.0; 7; 19Bet Ori ; 0.10; 14000;occ; 124; 8;38947  
2; -177.6; 11-AUG-2009 23:45:45; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38947  
3; 141.4; 11-AUG-2009 23:51:04; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38948  
4; 748.8; 12-AUG-2009 00:01:12; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;38948  
5; 1225.3; 12-AUG-2009 00:09:08; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38948  
6; 1585.7; 12-AUG-2009 00:15:09; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38948  
7; 1802.4; 12-AUG-2009 00:18:45; Bright; 59.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 119; 0;38948  
8; 1939.6; 12-AUG-2009 00:21:02; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38948  
9; 2135.7; 12-AUG-2009 00:24:18; Bright; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;38948  
10; 2516.8; 12-AUG-2009 00:30:40; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;38948  
11; 2708.9; 12-AUG-2009 00:33:52; Bright; 35.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 71; 0;38948  
12; 3033.3; 12-AUG-2009 00:39:16; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38948  
13; 3352.1; 12-AUG-2009 00:44:35; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;38948  
14; 3483.2; 12-AUG-2009 00:46:46; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;38948  
15; 3909.6; 12-AUG-2009 00:53:52; Bright; 51.5; 160; 23Gam Per ; 2.93; 4700;occ; 103; 0;38948  
16; 4023.4; 12-AUG-2009 00:55:46; Bright; 38.0; 35; 33Alp Per ; 1.79; 6250;occ; 76; 0;38948  
17; 4097.8; 12-AUG-2009 00:57:01; Bright; 75.0; 175; 39Del Per ; 3.01; 19400;occ; 150; 0;38948  
18; 4542.0; 12-AUG-2009 01:04:25; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;38948  
19; 4677.7; 12-AUG-2009 01:06:40; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38948  
20; 4865.5; 12-AUG-2009 01:09:48; Dark ; 78.0; 13; 87Alp Tau ; 0.87; 3800;occ; 156; 0;38948  
21; 4975.2; 12-AUG-2009 01:11:38; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;38948  
22; 5091.0; 12-AUG-2009 01:13:34; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;38948  
23; 5174.4; 12-AUG-2009 01:14:57; Dark ; 45.0; 125; 44Iot Ori ; 2.77; 30000;occ; 90; 0;38948  
24; 5260.0; 12-AUG-2009 01:16:23; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;38948

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1; -2120.5; 11-AUG-2009 06:27:23; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38937  
 2; -2007.8; 11-AUG-2009 06:29:16; Bright; 56.0; 35; 33Alp Per ; 1.79; 6250;occ; 112; 0;38937  
 3; -1837.6; 11-AUG-2009 06:32:06; Bright; 47.0; 6; 13Alp Aur ; 0.08; 3400;occ; 94; 0;38937  
 4; -1496.0; 11-AUG-2009 06:37:48; Dark ; 49.0; 28; 12Bet Tau ; 1.65; 15200;occ; 98; 0;38937  
 5; -1361.3; 11-AUG-2009 06:40:02; Dark ; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;38937  
 6; -1176.7; 11-AUG-2009 06:43:07; Dark ; 69.0; 13; 87Alp Tau ; 0.87; 3800;occ; 138; 0;38937  
 7; -1066.2; 11-AUG-2009 06:44:57; Dark ; 45.5; 27; 24Gam Ori ; 1.64; 26000;occ; 91; 0;38937  
 8; -950.5; 11-AUG-2009 06:46:53; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;38937  
 9; -783.2; 11-AUG-2009 06:49:40; Dark ; 54.0; 7; 19Bet Ori ; 0.10; 14000;occ; 108; 0;38937  
 10; -417.6; 11-AUG-2009 06:55:46; Dark ; 68.5; 165; 34Gam Eri ; 2.95; 3200;occ; 137; 0;38937  
 11; -186.5; 11-AUG-2009 06:59:37; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38937  
 12; 130.0; 11-AUG-2009 07:04:54; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38938  
 13; 740.0; 11-AUG-2009 07:15:04; Dark ; 62.5; 84; Alp Phe ; 2.40; 4500;occ; 125; 0;38938  
 14; 1220.4; 11-AUG-2009 07:23:04; Dark ; 57.5; 18; 24Alp PsA ; 1.17; 9700;occ; 115; 0;38938  
 15; 1584.5; 11-AUG-2009 07:29:08; Bright; 63.5; 142; 49Del Cap ; 2.85; 8900;occ; 127; 0;38938

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 2; 1942.9; 11-AUG-2009 07:35:06; Bright; 53.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 106; 0;38938  
 3; 2140.2; 11-AUG-2009 07:38:24; Bright; 49.5; 61; 8Eps Peg ; 2.10; 3900;occ; 99; 0;38938  
 4; 2519.7; 11-AUG-2009 07:44:43; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38938  
 5; 2711.6; 11-AUG-2009 07:47:55; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38938  
 6; 3036.3; 11-AUG-2009 07:53:20; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38938  
 7; 3360.2; 11-AUG-2009 07:58:44; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38938  
 8; 3490.8; 11-AUG-2009 08:00:54; Bright; 49.5; 76; 27Gam Cas ; 2.30; 30000;occ; 99; 0;38938  
 9; 3914.8; 11-AUG-2009 08:07:58; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;38938  
 10; 4027.7; 11-AUG-2009 08:09:51; Bright; 55.5; 35; 33Alp Per ; 1.79; 6250;occ; 111; 0;38938  
 11; 4198.4; 11-AUG-2009 08:12:42; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;38938  
 12; 4540.2; 11-AUG-2009 08:18:24; Dark ; 47.5; 28; 12Bet Tau ; 1.65; 15200;occ; 95; 0;38938  
 13; 4675.0; 11-AUG-2009 08:20:39; Dark ; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;38938  
 14; 4859.8; 11-AUG-2009 08:23:43; Dark ; 76.0; 13; 87Alp Tau ; 0.87; 3800;occ; 152; 0;38938  
 15; 4970.1; 11-AUG-2009 08:25:34; Dark ; 42.5; 27; 24Gam Ori ; 1.64; 26000;occ; 85; 0;38938  
 16; 5086.0; 11-AUG-2009 08:27:30; Dark ; 47.5; 30; 46Eps Ori ; 1.69; 30000;occ; 95; 0;38938  
 17; 5253.5; 11-AUG-2009 08:30:17; Dark ; 52.0; 7; 19Bet Ori ; 0.10; 14000;occ; 104; 0;38938  
 18; 5619.8; 11-AUG-2009 08:36:23; Dark ; 62.5; 165; 34Gam Eri ; 2.95; 3200;occ; 125; 0;38938  
 19; 5850.3; 11-AUG-2009 08:40:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38938  
 20; 6167.2; 11-AUG-2009 08:45:31; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38938  
 21; 6776.7; 11-AUG-2009 08:55:40; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38938  
 22; 7256.7; 11-AUG-2009 09:03:40; Dark ; 56.0; 18; 24Alp PsA ; 1.17; 9700;occ; 112; 0;38938  
 23; 7620.5; 11-AUG-2009 09:09:44; Bright; 49.0; 142; 49Del Cap ; 2.85; 8900;occ; 98; 0;38938

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1; 1803.3; 11-AUG-2009 09:13:23; Bright; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;38939  
 2; 1942.7; 11-AUG-2009 09:15:42; Bright; 51.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 102; 0;38939  
 3; 2139.6; 11-AUG-2009 09:18:59; Bright; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;38939  
 4; 2519.4; 11-AUG-2009 09:25:19; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38939  
 5; 2711.1; 11-AUG-2009 09:28:31; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38939  
 6; 3036.1; 11-AUG-2009 09:33:56; Bright; 57.0; 89; 5Alp Cep ; 2.45; 8000;occ; 114; 0;38939  
 7; 3359.3; 11-AUG-2009 09:39:19; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;38939  
 8; 3490.0; 11-AUG-2009 09:41:29; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38939  
 9; 3914.5; 11-AUG-2009 09:48:34; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;38939  
 10; 4027.4; 11-AUG-2009 09:50:27; Bright; 58.0; 35; 33Alp Per ; 1.79; 6250;occ; 116; 0;38939  
 11; 4198.3; 11-AUG-2009 09:53:18; Bright; 45.0; 6; 13Alp Aur ; 0.08; 3400;occ; 90; 0;38939  
 12; 4540.3; 11-AUG-2009 09:59:00; Dark ; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;38939  
 13; 4675.3; 11-AUG-2009 10:01:15; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38939  
 14; 4860.3; 11-AUG-2009 10:04:20; Dark ; 66.5; 13; 87Alp Tau ; 0.87; 3800;occ; 133; 0;38939  
 15; 4970.7; 11-AUG-2009 10:06:10; Dark ; 46.5; 27; 24Gam Ori ; 1.64; 26000;occ; 93; 0;38939  
 16; 5086.5; 11-AUG-2009 10:08:06; Dark ; 46.0; 30; 46Eps Ori ; 1.69; 30000;occ; 92; 0;38939  
 17; 5254.1; 11-AUG-2009 10:10:54; Dark ; 53.0; 7; 19Bet Ori ; 0.10; 14000;occ; 106; 0;38939  
 18; 5621.2; 11-AUG-2009 10:17:01; Dark ; 72.5; 165; 34Gam Eri ; 2.95; 3200;occ; 145; 0;38939  
 19; 5851.1; 11-AUG-2009 10:20:51; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38939  
 20; 6168.4; 11-AUG-2009 10:26:08; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38939  
 21; 6777.5; 11-AUG-2009 10:36:17; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38939  
 22; 7257.3; 11-AUG-2009 10:44:17; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;38939  
 23; 7620.5; 11-AUG-2009 10:50:20; Bright; 62.5; 142; 49Del Cap ; 2.85; 8900;occ; 125; 0;38939

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 2; 1942.4; 11-AUG-2009 10:56:18; Bright; 50.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 101; 0;38940  
 3; 2139.2; 11-AUG-2009 10:59:35; Bright; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;38940



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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
18; 5622.6; 11-AUG-2009 11:57:38; Dark ; 66.5; 165; 34Gam Eri ; 2.95; 3200;occ; 133; 0;38940
19; 5852.0; 11-AUG-2009 12:01:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38940
20; 6169.6; 11-AUG-2009 12:06:45; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;38940
21; 6778.5; 11-AUG-2009 12:16:54; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38940
22; 7257.7; 11-AUG-2009 12:24:53; Dark ; 55.0; 18; 24Alp PsA ; 1.17; 9700;occ; 110; 0;38940
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4; 2518.9; 11-AUG-2009 12:46:30; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 0;38941
5; 2710.6; 11-AUG-2009 12:49:42; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;38941
6; 3035.2; 11-AUG-2009 12:55:06; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38941
7; 3357.8; 11-AUG-2009 13:00:29; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;38941
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8; 3357.0; 11-AUG-2009 14:41:04; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38942
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10; 4026.1; 11-AUG-2009 14:52:13; Bright; 50.0; 35; 33Alp Per ; 1.79; 6250;occ; 100; 0;38942
11; 4100.0; 11-AUG-2009 14:53:27; Bright; 55.0; 175; 39Del Per ; 3.01; 19400;occ; 110; 0;38942
12; 4541.0; 11-AUG-2009 15:00:48; Dark ; 48.0; 28; 12Bet Tau ; 1.65; 15200;occ; 96; 0;38942
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7; 2709.5; 11-AUG-2009 19:32:05; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38945
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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  
 10; -774.4; 12-AUG-2009 04:37:36; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;38950  
 11; -398.7; 12-AUG-2009 04:43:52; Dark ; 55.0; 165; 34Gam Eri ; 2.95; 3200;occ; 110; 0;38950  
 12; -174.9; 12-AUG-2009 04:47:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38950  
 13; 145.0; 12-AUG-2009 04:52:56; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38951  
 14; 751.7; 12-AUG-2009 05:03:02; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;38951  
 15; 1226.6; 12-AUG-2009 05:10:57; Dark ; 56.0; 18; 24Alp PsA ; 1.17; 9700;occ; 112; 0;38951  
 16; 1585.9; 12-AUG-2009 05:16:56; Bright; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;38951  
 17; 1802.5; 12-AUG-2009 05:20:33; Bright; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;38951  
 18; 1938.7; 12-AUG-2009 05:22:49; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38951  
 19; 2134.5; 12-AUG-2009 05:26:05; Bright; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;38951  
 20; 2516.2; 12-AUG-2009 05:32:27; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38951  
 21; 2708.2; 12-AUG-2009 05:35:39; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38951  
 22; 3032.4; 12-AUG-2009 05:41:03; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38951  
 23; 3349.8; 12-AUG-2009 05:46:20; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38951  
 24; 3481.0; 12-AUG-2009 05:48:32; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38951

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 2; -2013.9; 12-AUG-2009 05:57:33; Bright; 33.0; 35; 33Alp Per ; 1.79; 6250;occ; 66; 0;38951

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

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

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

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

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

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

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2; 1937.6; 12-AUG-2009 10:24:36; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 0;38954  
3; 2133.2; 12-AUG-2009 10:27:52; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38954

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5; 2707.3; 12-AUG-2009 10:37:26; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38954
6; 3031.3; 12-AUG-2009 10:42:50; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;38954
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9; 4090.8; 13-AUG-2009 10:28:52; Bright; 53.0; 175; 39Del Per ; 3.01; 19400;occ; 106; 0;38968  
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22; 7271.0; 13-AUG-2009 11:21:52; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38968  
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3; 1933.0; 13-AUG-2009 11:33:30; Bright; 51.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 103; 1;38969  
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6; 3026.9; 13-AUG-2009 11:51:44; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38969  
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10; 4090.4; 13-AUG-2009 12:09:28; Bright; 53.0; 175; 39Del Per ; 3.01; 19400;occ; 106; 0;38969  
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22; 6804.7; 13-AUG-2009 12:54:42; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;38969  
23; 7271.5; 13-AUG-2009 13:02:29; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38969  
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3; 1932.8; 13-AUG-2009 13:14:06; Bright; 49.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 98; 0;38970  
4; 2126.8; 13-AUG-2009 13:17:20; Bright; 45.5; 61; 8Eps Peg ; 2.10; 3900;occ; 91; 0;38970  
5; 2511.0; 13-AUG-2009 13:23:44; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38970  
6; 3026.7; 13-AUG-2009 13:32:20; Bright; 39.0; 89; 5Alp Cep ; 2.45; 8000;occ; 78; 0;38970  
7; 3466.9; 13-AUG-2009 13:39:40; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38970  
8; 3897.6; 13-AUG-2009 13:46:51; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;38970  
9; 4090.0; 13-AUG-2009 13:50:03; Bright; 48.0; 175; 39Del Per ; 3.01; 19400;occ; 96; 0;38970  
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13; 4683.9; 13-AUG-2009 13:59:57; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38970  
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5; 2511.0; 13-AUG-2009 15:04:20; Bright; 37.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 75; 0;38971
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7; 3334.0; 13-AUG-2009 15:18:03; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;38971
8; 3466.2; 13-AUG-2009 15:20:15; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38971
9; 3897.1; 13-AUG-2009 15:27:26; Bright; 49.0; 160; 23Gam Per ; 2.93; 4700;occ; 98; 0;38971
10; 4089.6; 13-AUG-2009 15:30:39; Bright; 48.0; 175; 39Del Per ; 3.01; 19400;occ; 96; 0;38971
11; 4196.4; 13-AUG-2009 15:32:25; Bright; 61.0; 6; 13Alp Aur ; 0.08; 3400;occ; 122; 0;38971
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5; 2126.1; 13-AUG-2009 16:38:31; Bright; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;38972
6; 2510.6; 13-AUG-2009 16:44:56; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38972
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9; 3465.4; 13-AUG-2009 17:00:50; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;38972
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4; 1931.9; 13-AUG-2009 18:15:53; Bright; 72.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 144; 0;38973
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3; 1240.3; 14-AUG-2009 05:48:33; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38980
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5; 1801.0; 14-AUG-2009 05:57:53; Bright; 41.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 82; 0;38980
6; 1929.9; 14-AUG-2009 06:00:02; Bright; 49.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 99; 0;38980
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8; 2508.7; 14-AUG-2009 06:09:41; Bright; 37.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 74; 0;38980
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2; -1667.7; 17-AUG-2009 06:46:25; Bright; 41.0; 107; 37The Aur ; 2.65; 11000;occ; 82; 0;39023
3; -1479.6; 17-AUG-2009 06:49:34; Dark ; 54.0; 28; 12Bet Tau ; 1.65; 15200;occ; 108; 0;39023
4; -1335.9; 17-AUG-2009 06:51:57; Dark ; 47.0; 176; 23Zet Tau ; 3.02; 22000;occ; 94; 0;39023
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6; -902.0; 17-AUG-2009 06:59:11; Dark ; 50.5; 30; 46Eps Ori ; 1.69; 30000;occ; 101; 0;39023
7; -816.1; 17-AUG-2009 07:00:37; Dark ; 46.5; 125; 44Iot Ori ; 2.77; 30000;occ; 93; 0;39023
8; -719.4; 17-AUG-2009 07:02:14; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39023
9; -609.4; 17-AUG-2009 07:04:04; Dark ; 46.5; 101; 11Alp Lep ; 2.58; 7000;occ; 93; 0;39023
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11; 230.1; 17-AUG-2009 07:18:03; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;39024
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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 4; 3292.4; 17-AUG-2009 08:09:06; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39024  
 5; 3426.2; 17-AUG-2009 08:11:19; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39024  
 6; 4192.0; 17-AUG-2009 08:24:05; Bright; 55.0; 6; 13Alp Aur ; 0.08; 3400;occ; 110; 0;39024  
 7; 4368.3; 17-AUG-2009 08:27:02; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;39024  
 8; 4556.6; 17-AUG-2009 08:30:10; Dark ; 53.5; 28; 12Bet Tau ; 1.65; 15200;occ; 107; 0;39024  
 9; 4700.2; 17-AUG-2009 08:32:33; Dark ; 46.5; 176; 23Zet Tau ; 3.02; 22000;occ; 93; 0;39024  
 10; 4939.8; 17-AUG-2009 08:36:33; Dark ; 50.5; 14; 58Alp Ori ; 0.87; 3000;occ; 101; 0;39024  
 11; 5134.6; 17-AUG-2009 08:39:48; Dark ; 51.5; 30; 46Eps Ori ; 1.69; 30000;occ; 103; 0;39024  
 12; 5220.4; 17-AUG-2009 08:41:14; Dark ; 47.5; 125; 44Iot Ori ; 2.77; 30000;occ; 95; 0;39024  
 13; 5317.5; 17-AUG-2009 08:42:51; Dark ; 59.0; 7; 19Bet Ori ; 0.10; 14000;occ; 118; 0;39024  
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 15; 5598.4; 17-AUG-2009 08:47:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39024  
 16; 6267.3; 17-AUG-2009 08:58:40; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;39024  
 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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 3; 2108.5; 17-AUG-2009 09:29:58; Bright; 45.0; 61; 8Eps Peg ; 2.10; 3900;occ; 90; 0;39025  
 4; 3291.8; 17-AUG-2009 09:49:41; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;39025  
 5; 3425.3; 17-AUG-2009 09:51:54; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;39025  
 6; 4191.8; 17-AUG-2009 10:04:41; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;39025  
 7; 4368.4; 17-AUG-2009 10:07:38; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;39025  
 8; 4556.8; 17-AUG-2009 10:10:46; Dark ; 50.5; 28; 12Bet Tau ; 1.65; 15200;occ; 101; 0;39025  
 9; 4700.7; 17-AUG-2009 10:13:10; Dark ; 48.0; 176; 23Zet Tau ; 3.02; 22000;occ; 96; 0;39025  
 10; 4940.1; 17-AUG-2009 10:17:09; Dark ; 53.5; 14; 58Alp Ori ; 0.87; 3000;occ; 107; 0;39025  
 11; 5135.2; 17-AUG-2009 10:20:24; Dark ; 49.5; 30; 46Eps Ori ; 1.69; 30000;occ; 99; 0;39025  
 12; 5220.8; 17-AUG-2009 10:21:50; Dark ; 46.5; 125; 44Iot Ori ; 2.77; 30000;occ; 93; 0;39025  
 13; 5318.4; 17-AUG-2009 10:23:27; Dark ; 57.0; 7; 19Bet Ori ; 0.10; 14000;occ; 114; 0;39025  
 14; 5428.0; 17-AUG-2009 10:25:17; Dark ; 44.5; 101; 11Alp Lep ; 2.58; 7000;occ; 89; 0;39025  
 15; 5599.1; 17-AUG-2009 10:28:08; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39025  
 16; 6268.4; 17-AUG-2009 10:39:18; Dark ; 48.0; 157; The1Eri ; 2.91; 9300;occ; 96; 0;39025  
 17; 6852.1; 17-AUG-2009 10:49:01; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;39025  
 18; 7295.7; 17-AUG-2009 10:56:25; Dark ; 52.5; 18; 24Alp PsA ; 1.17; 9700;occ; 105; 0;39025  
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 3; 2108.1; 17-AUG-2009 11:10:33; Bright; 42.0; 61; 8Eps Peg ; 2.10; 3900;occ; 84; 0;39026  
 4; 3290.8; 17-AUG-2009 11:30:16; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;39026  
 5; 3424.7; 17-AUG-2009 11:32:30; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;39026  
 6; 4191.8; 17-AUG-2009 11:45:17; Bright; 49.0; 6; 13Alp Aur ; 0.08; 3400;occ; 98; 0;39026  
 7; 4368.5; 17-AUG-2009 11:48:13; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;39026  
 8; 4557.1; 17-AUG-2009 11:51:22; Dark ; 51.0; 28; 12Bet Tau ; 1.65; 15200;occ; 102; 0;39026  
 9; 4700.9; 17-AUG-2009 11:53:46; Dark ; 46.5; 176; 23Zet Tau ; 3.02; 22000;occ; 93; 0;39026  
 10; 4940.7; 17-AUG-2009 11:57:46; Dark ; 53.5; 14; 58Alp Ori ; 0.87; 3000;occ; 107; 0;39026  
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 12; 5221.8; 17-AUG-2009 12:02:27; Dark ; 45.5; 125; 44Iot Ori ; 2.77; 30000;occ; 91; 0;39026  
 13; 5319.1; 17-AUG-2009 12:04:04; Dark ; 55.0; 7; 19Bet Ori ; 0.10; 14000;occ; 110; 0;39026  
 14; 5428.6; 17-AUG-2009 12:05:54; Dark ; 44.0; 101; 11Alp Lep ; 2.58; 7000;occ; 88; 0;39026  
 15; 5599.9; 17-AUG-2009 12:08:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39026  
 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  
 18; 7296.2; 17-AUG-2009 12:37:01; Dark ; 51.5; 18; 24Alp PsA ; 1.17; 9700;occ; 103; 0;39026  
 19; 7629.9; 17-AUG-2009 12:42:35; Bright; 28.0; 142; 49Del Cap ; 2.85; 8900;occ; 56; 0;39026

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 3; 1918.3; 17-AUG-2009 12:47:59; Bright; 45.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 90; 0;39027  
 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  
 6; 3423.9; 17-AUG-2009 13:13:05; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;39027  
 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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9; 4557.3; 17-AUG-2009 13:31:58; Dark ; 52.0; 28; 12Bet Tau ; 1.65; 15200;occ; 104; 0;39027
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13; 5222.5; 17-AUG-2009 13:43:03; Dark ; 46.5; 125; 44Iot Ori ; 2.77; 30000;occ; 93; 0;39027
14; 5320.0; 17-AUG-2009 13:44:41; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;39027
15; 5429.5; 17-AUG-2009 13:46:30; Dark ; 47.5; 101; 11Alp Lep ; 2.58; 7000;occ; 95; 0;39027
16; 5600.6; 17-AUG-2009 13:49:21; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39027
17; 6270.8; 17-AUG-2009 14:00:32; Dark ; 51.0; 157; The1Eri ; 2.91; 9300;occ; 102; 0;39027
18; 6853.8; 17-AUG-2009 14:10:15; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;39027
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3; 1918.1; 17-AUG-2009 14:28:35; Bright; 47.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 94; 0;39028
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
6; 3423.3; 17-AUG-2009 14:53:40; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39028
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8; 4368.9; 17-AUG-2009 15:09:26; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;39028
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13; 5223.2; 17-AUG-2009 15:23:40; Dark ; 45.0; 125; 44Iot Ori ; 2.77; 30000;occ; 90; 0;39028
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16; 5601.5; 17-AUG-2009 15:29:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39028
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18; 6854.8; 17-AUG-2009 15:50:52; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;39028
19; 7297.1; 17-AUG-2009 15:58:14; Dark ; 4.5; 18; 24Alp PsA ; 1.17; 9700;occ; 9; 0;39028
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4; 1917.8; 17-AUG-2009 16:09:10; Bright; 47.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 95; 0;39029
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6; 3288.7; 17-AUG-2009 16:32:01; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;39029
7; 3422.5; 17-AUG-2009 16:34:15; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39029
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12; 4942.2; 17-AUG-2009 16:59:35; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;39029
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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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6; 3383.2; 21-AUG-2009 07:44:44; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39081
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7; 4185.3; 21-AUG-2009 09:38:42; Bright; 50.0; 6; 13Alp Aur ; 0.08; 3400;occ; 100; 0;39082
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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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 3; -446.5; 25-AUG-2009 23:01:01; Dark ; 51.5; 139; 9Bet Lep ; 2.83; 5600;occ; 103; 0;39147  
 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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 2; 1900.6; 25-AUG-2009 18:38:21; Bright; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;39145  
 3; 2083.6; 25-AUG-2009 18:41:24; Bright; 41.0; 61; 8Eps Peg ; 2.10; 3900;occ; 82; 0;39145  
 4; 2553.1; 25-AUG-2009 18:49:13; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39145  
 5; 3203.3; 25-AUG-2009 19:00:03; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;39145  
 6; 3335.8; 25-AUG-2009 19:02:16; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39145  
 7; 4175.2; 25-AUG-2009 19:16:15; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;39145  
 8; 4375.5; 25-AUG-2009 19:19:36; Bright; 43.0; 107; 37The Aur ; 2.65; 11000;occ; 86; 0;39145



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

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1; -754.6; 26-AUG-2009 00:36:29; Dark ; 57.5; 30; 46Eps Ori ; 1.69; 30000;occ; 115; 105;39148  
 2; -689.9; 26-AUG-2009 00:37:34; Dark ; 51.0; 56; 53Kap Ori ; 2.07; 30000;occ; 102; 0;39148  
 3; -594.0; 26-AUG-2009 00:39:10; Dark ; 68.0; 7; 19Bet Ori ; 0.10; 14000;occ; 136; 0;39148  
 4; -445.5; 26-AUG-2009 00:41:38; Dark ; 49.5; 139; 9Bet Lep ; 2.83; 5600;occ; 99; 0;39148  
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 6; 382.5; 26-AUG-2009 00:55:26; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39149  
 7; 908.0; 26-AUG-2009 01:04:12; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;39149  
 8; 1304.2; 26-AUG-2009 01:10:48; Dark ; 49.0; 18; 24Alp PsA ; 1.17; 9700;occ; 98; 0;39149  
 9; 1900.2; 26-AUG-2009 01:20:44; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;39149  
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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  
 14; 4174.6; 26-AUG-2009 01:58:38; Bright; 69.0; 6; 13Alp Aur ; 0.08; 3400;occ; 138; 0;39149  
 15; 4375.5; 26-AUG-2009 02:01:59; Bright; 46.5; 107; 37The Aur ; 2.65; 11000;occ; 93; 0;39149  
 16; 4584.1; 26-AUG-2009 02:05:28; Dark ; 62.0; 28; 12Bet Tau ; 1.65; 15200;occ; 124; 0;39149  
 17; 4762.0; 26-AUG-2009 02:08:26; Dark ; 44.5; 44; 24Gam Gem ; 1.93; 11000;occ; 89; 0;39149  
 18; 5006.9; 26-AUG-2009 02:12:31; Dark ; 65.5; 14; 58Alp Ori ; 0.87; 3000;occ; 131; 0;39149

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 2; -923.6; 26-AUG-2009 02:14:16; Dark ; 62.5; 27; 24Gam Ori ; 1.64; 26000;occ; 125; 0;39149  
 3; -806.3; 26-AUG-2009 02:16:13; Dark ; 57.5; 30; 46Eps Ori ; 1.69; 30000;occ; 115; 0;39149  
 4; -689.1; 26-AUG-2009 02:18:10; Dark ; 52.5; 56; 53Kap Ori ; 2.07; 30000;occ; 105; 0;39149  
 5; -592.6; 26-AUG-2009 02:19:47; Dark ; 74.5; 7; 19Bet Ori ; 0.10; 14000;occ; 149; 0;39149  
 6; -444.4; 26-AUG-2009 02:22:15; Dark ; 50.0; 139; 9Bet Lep ; 2.83; 5600;occ; 100; 0;39149  
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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  
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 11; 1900.2; 26-AUG-2009 03:01:20; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;39150  
 12; 2083.0; 26-AUG-2009 03:04:22; Bright; 42.0; 61; 8Eps Peg ; 2.10; 3900;occ; 84; 0;39150  
 13; 2549.9; 26-AUG-2009 03:12:09; Bright; 47.0; 164; 44Eta Peg ; 2.95; 5400;occ; 94; 0;39150  
 14; 3199.6; 26-AUG-2009 03:22:59; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;39150  
 15; 3332.1; 26-AUG-2009 03:25:12; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;39150

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 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  
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 16; 2082.8; 26-AUG-2009 04:44:58; Bright; 40.5; 61; 8Eps Peg ; 2.10; 3900;occ; 81; 0;39151  
 17; 2549.1; 26-AUG-2009 04:52:45; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39151  
 18; 3199.0; 26-AUG-2009 05:03:35; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;39151  
 19; 3331.4; 26-AUG-2009 05:05:47; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;39151

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

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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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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
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17; 2548.6; 26-AUG-2009 06:33:20; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39152
18; 3198.4; 26-AUG-2009 06:44:10; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39152
19; 3330.5; 26-AUG-2009 06:46:22; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39152
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2; 1308.0; 26-AUG-2009 21:18:03; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;39161
3; 1899.2; 26-AUG-2009 21:27:54; Bright; 59.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 118; 0;39161
4; 2081.3; 26-AUG-2009 21:30:56; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;39161
5; 2542.6; 26-AUG-2009 21:38:38; Bright; 44.0; 164; 44Eta Peg ; 2.95; 5400;occ; 88; 0;39161
6; 3192.1; 26-AUG-2009 21:49:27; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39161
7; 3323.8; 26-AUG-2009 21:51:39; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39161
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9; 4376.0; 26-AUG-2009 22:09:11; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39161
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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
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8; 1308.4; 26-AUG-2009 22:58:39; Dark ; 51.0; 18; 24Alp PsA ; 1.17; 9700;occ; 102; 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; 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
12; 5351.8; 26-AUG-2009 12:21:51; Dark ; 49.0; 56; 53Kap Ori ; 2.07; 30000;occ; 98; 0;39155
13; 5450.5; 26-AUG-2009 12:23:30; Dark ; 65.5; 7; 19Bet Ori ; 0.10; 14000;occ; 131; 0;39155
14; 5597.3; 26-AUG-2009 12:25:57; Dark ; 49.5; 139; 9Bet Lep ; 2.83; 5600;occ; 99; 0;39155
15; 5713.3; 26-AUG-2009 12:27:53; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39155
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5; -1264.3; 28-AUG-2009 02:45:57; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;39178
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3; 1313.8; 28-AUG-2009 05:09:31; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;39180
4; 1898.0; 28-AUG-2009 05:19:15; Bright; 39.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 79; 0;39180
5; 2282.6; 28-AUG-2009 05:25:40; Bright; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;39180
6; 2530.8; 28-AUG-2009 05:29:48; Bright; 67.0; 164; 44Eta Peg ; 2.95; 5400;occ; 134; 0;39180

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 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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 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  
 17; 7363.4; 31-AUG-2009 11:57:53; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 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  
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 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
15; 6994.7; 31-AUG-2009 15:12:56; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 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
15; 6517.5; 31-AUG-2009 16:45:35; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;39229
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3; 2503.7; 31-AUG-2009 17:19:17; Bright; 64.0; 164; 44Eta Peg ; 2.95; 5400;occ; 128; 0;39230
4; 3146.3; 31-AUG-2009 17:30:00; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39230
5; 3274.4; 31-AUG-2009 17:32:08; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;39230
6; 4157.1; 31-AUG-2009 17:46:51; Bright; 54.5; 6; 13Alp Aur ; 0.08; 3400;occ; 109; 0;39230
7; 4378.2; 31-AUG-2009 17:50:32; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39230
8; 4685.5; 31-AUG-2009 17:55:39; Dark ; 57.0; 151; 13Mu Gem ; 2.89; 3000;occ; 114; 0;39230
9; 4790.9; 31-AUG-2009 17:57:24; Dark ; 49.0; 44; 24Gam Gem ; 1.93; 11000;occ; 98; 0;39230
10; 5314.3; 31-AUG-2009 18:06:08; Dark ; 58.0; 30; 46Eps Ori ; 1.69; 30000;occ; 116; 0;39230
11; 5447.4; 31-AUG-2009 18:08:21; Dark ; 45.5; 47; 2Bet CMA ; 1.98; 28000;occ; 91; 0;39230
12; 5617.6; 31-AUG-2009 18:11:11; Dark ; 58.5; 101; 11Alp Lep ; 2.58; 7000;occ; 117; 0;39230
13; 5793.7; 31-AUG-2009 18:14:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39230
14; 6518.6; 31-AUG-2009 18:26:12; Dark ; 55.0; 157; The1Eri ; 2.91; 9300;occ; 110; 0;39230
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3; 2503.2; 31-AUG-2009 18:59:53; Bright; 42.5; 164; 44Eta Peg ; 2.95; 5400;occ; 85; 0;39231
4; 3145.5; 31-AUG-2009 19:10:35; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39231
5; 3273.8; 31-AUG-2009 19:12:43; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39231
6; 4156.8; 31-AUG-2009 19:27:26; Bright; 59.5; 6; 13Alp Aur ; 0.08; 3400;occ; 119; 0;39231
7; 4378.2; 31-AUG-2009 19:31:08; Bright; 47.5; 107; 37The Aur ; 2.65; 11000;occ; 95; 0;39231
8; 4685.8; 31-AUG-2009 19:36:15; Dark ; 57.0; 151; 13Mu Gem ; 2.89; 3000;occ; 114; 0;39231
9; 4791.2; 31-AUG-2009 19:38:01; Dark ; 50.5; 44; 24Gam Gem ; 1.93; 11000;occ; 101; 0;39231
10; 5315.1; 31-AUG-2009 19:46:45; Dark ; 58.0; 30; 46Eps Ori ; 1.69; 30000;occ; 116; 0;39231
11; 5447.9; 31-AUG-2009 19:48:57; Dark ; 46.0; 47; 2Bet CMA ; 1.98; 28000;occ; 92; 0;39231
12; 5618.7; 31-AUG-2009 19:51:48; Dark ; 54.0; 101; 11Alp Lep ; 2.58; 7000;occ; 108; 0;39231
13; 5794.8; 31-AUG-2009 19:54:44; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39231
14; 6519.9; 31-AUG-2009 20:06:49; Dark ; 56.5; 157; The1Eri ; 2.91; 9300;occ; 113; 0;39231
15; 6996.5; 31-AUG-2009 20:14:46; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;39231

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