

# GOMOS Daily Report 10-AUG-2009

## Level 0 and Level 1 products

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

Item	Value
Time of report generation	13AUG2009 04:58:06
Data source version	GOMOS/5.00
Start time of products	10AUG2009 00:02:03
Stop time of products	10AUG2009 23:57:37
Store outputs in DB	Yes
Nb of level 1b prods	154
Nb of prods with errors	2

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

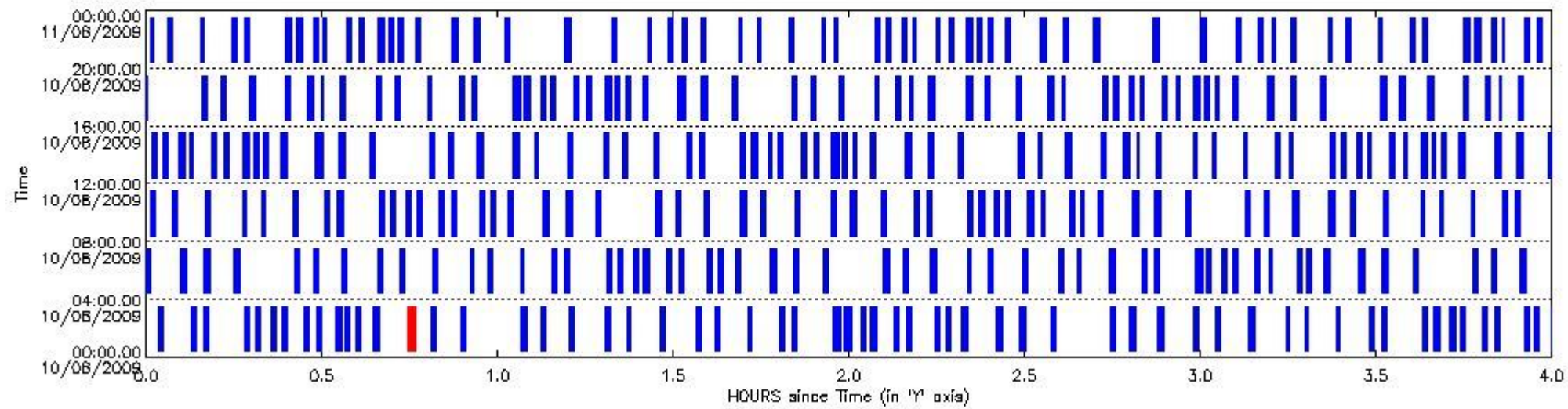
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
10-AUG-2009 00:44:34	34GamEri	165	38919

### 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_1PNPDE20090810_000203_000000402081_00288_38919_4551.N1	10-AUG-2009 00:02:03	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	38919	No
2	GOM_TRA_1PNPDE20090810_000736_000000512081_00288_38919_4552.N1	10-AUG-2009 00:07:36	Bright	51.000	74	11Bet Cas	2.2680	6600.0	102	38919	No
3	GOM_TRA_1PNPDE20090810_000946_000000482081_00288_38919_4553.N1	10-AUG-2009 00:09:46	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	38919	No
4	GOM_TRA_1PNPDE20090810_001645_000000502081_00288_38919_4554.N1	10-AUG-2009 00:16:45	Bright	50.000	160	23Gam Per	2.9300	4700.0	100	38919	No
5	GOM_TRA_1PNPDE20090810_001836_000000542081_00288_38919_4555.N1	10-AUG-2009 00:18:36	Bright	54.000	35	33Alp Per	1.7950	6250.0	108	38919	No
6	GOM_TRA_1PNPDE20090810_002120_000000462081_00288_38919_4556.N1	10-AUG-2009 00:21:20	Bright	46.000	6	13Alp Aur	0.080000	3400.0	92	38919	No
7	GOM_TRA_1PNPDE20090810_002307_000000552081_00288_38919_4557.N1	10-AUG-2009 00:23:07	Bright	54.500	149	45Eps Per	2.8880	30000.	109	38919	No
8	GOM_TRA_1PNPDE20090810_002658_000000472081_00288_38919_4558.N1	10-AUG-2009 00:26:58	Tw_i_and_stray	47.000	28	12Bet Tau	1.6500	15200.	94	38919	No
9	GOM_TRA_1PNPDE20090810_002911_000000452081_00288_38919_4559.N1	10-AUG-2009 00:29:11	Tw_i_and_stray	44.500	176	23Zet Tau	3.0200	22000.	89	38919	No
10	GOM_TRA_1PNPDE20090810_003210_000000702081_00288_38919_4560.N1	10-AUG-2009 00:32:10	Dark	69.500	13	87Alp Tau	0.86700	3800.0	139	38919	No

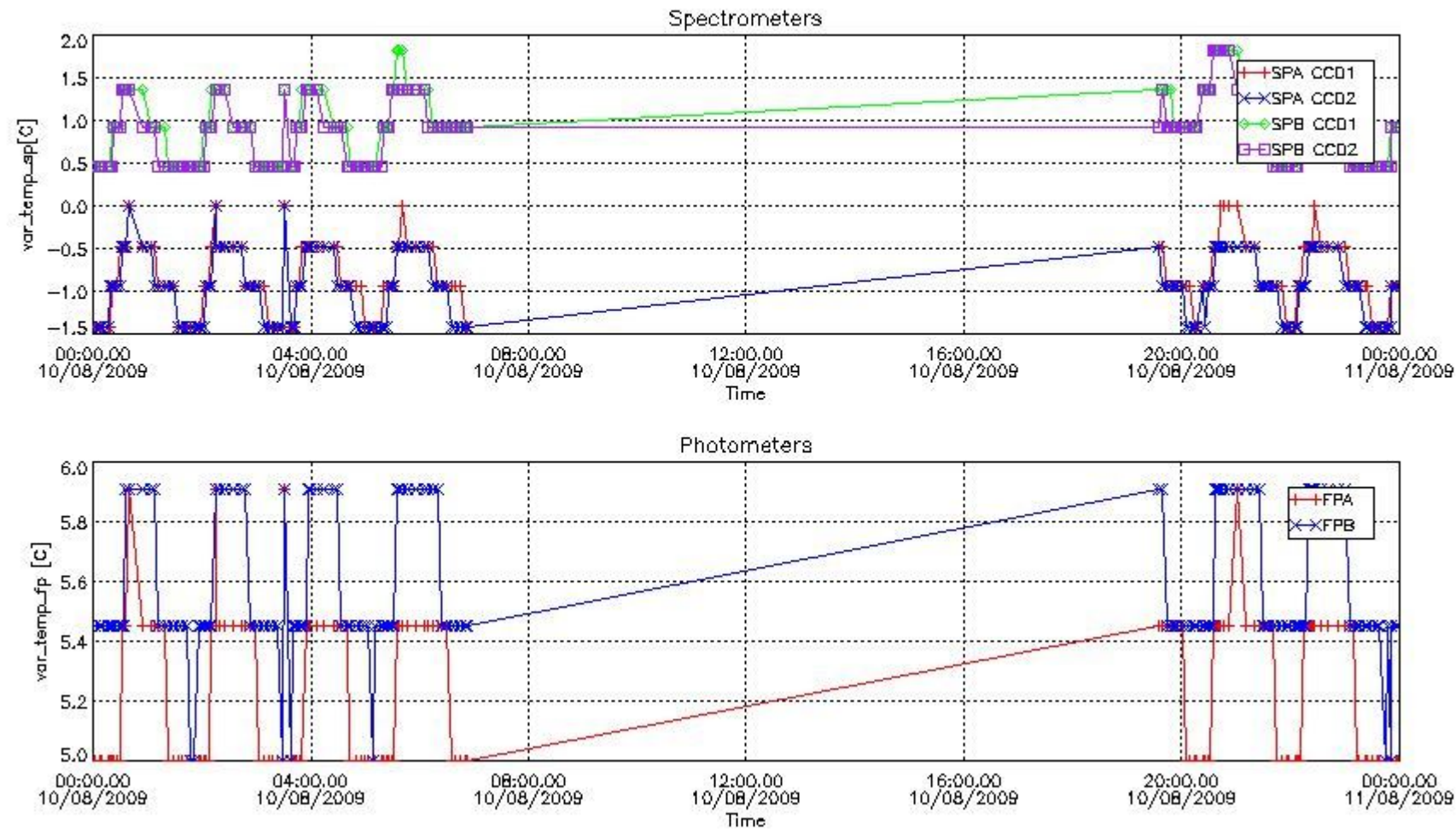
11	GOM_TRA_1PNPDE20090810_003402_000000472081_00288_38919_4561.N1	10-AUG-2009 00:34:02	Dark	46.500	27	24Gam Ori	1.6360	26000.	93	38919	No
12	GOM_TRA_1PNPDE20090810_003549_000000452081_00288_38919_4562.N1	10-AUG-2009 00:35:49	Dark	44.500	72	34Del Ori	2.2500	30000.	89	38919	No
13	GOM_TRA_1PNPDE20090810_003842_000000612081_00288_38919_4686.N1	10-AUG-2009 00:38:42	Dark	61.000	7	19Bet Ori	0.10000	14000.	122	38919	Yes
14	GOM_TRA_1PNPDE20090810_005347_000000492081_00289_38920_4687.N1	10-AUG-2009 00:53:47	Dark	49.000	157	The1Eri	2.9060	9300.0	98	38920	No
15	GOM_TRA_1PNPDE20090810_010400_000000542081_00289_38920_4688.N1	10-AUG-2009 01:04:00	Straylight	53.500	84	Alp Phe	2.3970	4500.0	107	38920	No
16	GOM_TRA_1PNPDE20090810_010719_000000562081_00289_38920_4689.N1	10-AUG-2009 01:07:19	Straylight	55.500	63	Bet Gru	2.1500	2800.0	111	38920	No
17	GOM_TRA_1PNPDE20090810_011208_000000592081_00289_38920_4690.N1	10-AUG-2009 01:12:08	Tw_i_and_stray	59.000	18	24Alp PsA	1.1660	9700.0	118	38920	No
18	GOM_TRA_1PNPDE20090810_011820_000000462081_00289_38920_4691.N1	10-AUG-2009 01:18:20	Bright	45.500	142	49Del Cap	2.8500	8900.0	91	38920	No
19	GOM_TRA_1PNPDE20090810_012201_000000452081_00289_38920_4692.N1	10-AUG-2009 01:22:01	Bright	44.500	154	22Bet Aqr	2.8990	5700.0	89	38920	No
20	GOM_TRA_1PNPDE20090810_012745_000000492081_00289_38920_4693.N1	10-AUG-2009 01:27:45	Bright	49.000	61	8Eps Peg	2.1000	3900.0	98	38920	No
21	GOM_TRA_1PNPDE20090810_013402_000000402081_00289_38920_4694.N1	10-AUG-2009 01:34:02	Bright	40.000	92	53Eps Cyg	2.5000	4500.0	80	38920	No
22	GOM_TRA_1PNPDE20090810_013714_000000392081_00289_38920_4695.N1	10-AUG-2009 01:37:14	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	38920	No
23	GOM_TRA_1PNPDE20090810_014239_000000362081_00289_38920_4696.N1	10-AUG-2009 01:42:39	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	38920	No
24	GOM_TRA_1PNPDE20090810_014811_000000452081_00289_38920_4697.N1	10-AUG-2009 01:48:11	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	38920	No
25	GOM_TRA_1PNPDE20090810_015021_000000492081_00289_38920_4698.N1	10-AUG-2009 01:50:21	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	38920	No
26	GOM_TRA_1PNPDE20090810_015721_000000742081_00289_38920_4699.N1	10-AUG-2009 01:57:21	Bright	74.000	160	23Gam Per	2.9300	4700.0	148	38920	No
27	GOM_TRA_1PNPDE20090810_015912_000000752081_00289_38920_4700.N1	10-AUG-2009 01:59:12	Bright	75.000	35	33Alp Per	1.7950	6250.0	150	38920	No
28	GOM_TRA_1PNPDE20090810_020156_000000572081_00289_38920_4701.N1	10-AUG-2009 02:01:56	Bright	57.000	6	13Alp Aur	0.080000	3400.0	114	38920	No
29	GOM_TRA_1PNPDE20090810_020343_000000572081_00289_38920_4702.N1	10-AUG-2009 02:03:43	Bright	56.500	149	45Eps Per	2.8880	30000.	113	38920	No
30	GOM_TRA_1PNPDE20090810_020734_000000482081_00289_38920_4703.N1	10-AUG-2009 02:07:34	Tw_i_and_stray	48.000	28	12Bet Tau	1.6500	15200.	96	38920	No
31	GOM_TRA_1PNPDE20090810_020947_000000442081_00289_38920_4704.N1	10-AUG-2009 02:09:47	Tw_i_and_stray	44.000	176	23Zet Tau	3.0200	22000.	88	38920	No
32	GOM_TRA_1PNPDE20090810_021438_000000472081_00289_38920_4836.N1	10-AUG-2009 02:14:38	Dark	46.500	27	24Gam Ori	1.6360	26000.	93	38920	No
33	GOM_TRA_1PNPDE20090810_021626_000000472081_00289_38920_4837.N1	10-AUG-2009 02:16:26	Dark	46.500	72	34Del Ori	2.2500	30000.	93	38920	No
34	GOM_TRA_1PNPDE20090810_021919_000000532081_00289_38920_4838.N1	10-AUG-2009 02:19:19	Dark	53.000	7	19Bet Ori	0.10000	14000.	106	38920	No
35	GOM_TRA_1PNPDE20090810_022511_000000582081_00289_38920_4839.N1	10-AUG-2009 02:25:11	Dark	58.000	165	34Gam Eri	2.9500	3200.0	116	38920	No
36	GOM_TRA_1PNPDE20090810_023424_000000502081_00290_38921_4840.N1	10-AUG-2009 02:34:24	Dark	50.000	157	The1Eri	2.9060	9300.0	100	38921	No
37	GOM_TRA_1PNPDE20090810_024437_000000542081_00290_38921_4841.N1	10-AUG-2009 02:44:37	Straylight	53.500	84	Alp Phe	2.3970	4500.0	107	38921	No
38	GOM_TRA_1PNPDE20090810_024756_000000552081_00290_38921_4842.N1	10-AUG-2009 02:47:56	Straylight	54.500	63	Bet Gru	2.1500	2800.0	109	38921	No
39	GOM_TRA_1PNPDE20090810_025245_000000572081_00290_38921_4843.N1	10-AUG-2009 02:52:45	Tw_i_and_stray	56.500	18	24Alp PsA	1.1660	9700.0	113	38921	No
40	GOM_TRA_1PNPDE20090810_025855_000000462081_00290_38921_4844.N1	10-AUG-2009 02:58:55	Bright	46.000	142	49Del Cap	2.8500	8900.0	92	38921	No
41	GOM_TRA_1PNPDE20090810_030238_000000462081_00290_38921_4845.N1	10-AUG-2009 03:02:38	Bright	45.500	154	22Bet Aqr	2.8990	5700.0	91	38921	No
42	GOM_TRA_1PNPDE20090810_030820_000000512081_00290_38921_4846.N1	10-AUG-2009 03:08:20	Bright	51.000	61	8Eps Peg	2.1000	3900.0	102	38921	No
43	GOM_TRA_1PNPDE20090810_031438_000000412081_00290_38921_4847.N1	10-AUG-2009 03:14:38	Bright	41.000	92	53Eps Cyg	2.5000	4500.0	82	38921	No
44	GOM_TRA_1PNPDE20090810_031749_000000402081_00290_38921_4848.N1	10-AUG-2009 03:17:49	Bright	39.500	19	50Alp Cyg	1.2460	10500.	79	38921	No
45	GOM_TRA_1PNPDE20090810_032314_000000362081_00290_38921_4849.N1	10-AUG-2009 03:23:14	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	38921	No
46	GOM_TRA_1PNPDE20090810_032847_000000482081_00290_38921_4850.N1	10-AUG-2009 03:28:47	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	38921	No
47	GOM_TRA_1PNPDE20090810_033056_000000502081_00290_38921_4974.N1	10-AUG-2009 03:30:56	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	38921	Yes
48	GOM_TRA_1PNPDE20090810_033756_000000532081_00290_38921_4975.N1	10-AUG-2009 03:37:56	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	38921	No
49	GOM_TRA_1PNPDE20090810_033948_000000742081_00290_38921_4976.N1	10-AUG-2009 03:39:48	Bright	73.500	35	33Alp Per	1.7950	6250.0	147	38921	No
50	GOM_TRA_1PNPDE20090810_034232_000000592081_00290_38921_4977.N1	10-AUG-2009 03:42:32	Bright	59.000	6	13Alp Aur	0.080000	3400.0	118	38921	No
51	GOM_TRA_1PNPDE20090810_034419_000000532081_00290_38921_4978.N1	10-AUG-2009 03:44:19	Bright	53.000	149	45Eps Per	2.8880	30000.	106	38921	No
52	GOM_TRA_1PNPDE20090810_034810_000000522081_00290_38921_4979.N1	10-AUG-2009 03:48:10	Tw_i_and_stray	51.500	28	12Bet Tau	1.6500	15200.	103	38921	No
53	GOM_TRA_1PNPDE20090810_035023_000000432081_00290_38921_4980.N1	10-AUG-2009 03:50:23	Tw_i_and_stray	43.000	176	23Zet Tau	3.0200	22000.	86	38921	No
54	GOM_TRA_1PNPDE20090810_035515_000000502081_00290_38921_4981.N1	10-AUG-2009 03:55:15	Dark	49.500	27	24Gam Ori	1.6360	26000.	99	38921	No
55	GOM_TRA_1PNPDE20090810_035702_000000442081_00290_38921_4982.N1	10-AUG-2009 03:57:02	Dark	44.000	72	34Del Ori	2.2500	30000.	88	38921	No
56	GOM_TRA_1PNPDE20090810_035955_000000522081_00290_38921_4983.N1	10-AUG-2009 03:59:55	Dark	52.000	7	19Bet Ori	0.10000	14000.	104	38921	No
57	GOM_TRA_1PNPDE20090810_040549_000000642081_00290_38921_4984.N1	10-AUG-2009 04:05:49	Dark	64.000	165	34Gam Eri	2.9500	3200.0	128	38921	No
58	GOM_TRA_1PNPDE20090810_041501_000000512081_00291_38922_4985.N1	10-AUG-2009 04:15:01	Dark	51.000	157	The1Eri	2.9060	9300.0	102	38922	No
59	GOM_TRA_1PNPDE20090810_042514_000000552081_00291_38922_4986.N1	10-AUG-2009 04:25:14	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	38922	No
60	GOM_TRA_1PNPDE20090810_042833_000000472081_00291_38922_4987.N1	10-AUG-2009 04:28:33	Straylight	46.500	63	Bet Gru	2.1500	2800.0	93	38922	No
61	GOM_TRA_1PNPDE20090810_043321_000000582081_00291_38922_4988.N1	10-AUG-2009 04:33:21	Tw_i_and_stray	57.500	18	24Alp PsA	1.1660	9700.0	115	38922	No
62	GOM_TRA_1PNPDE20090810_043931_000000452081_00291_38922_4989.N1	10-AUG-2009 04:39:31	Bright	45.000	142	49Del Cap	2.8500	8900.0	90	38922	No
63	GOM_TRA_1PNPDE20090810_044313_000000452081_00291_38922_4990.N1	10-AUG-2009 04:43:13	Bright	44.500	154	22Bet Aqr	2.8990	5700.0	89	38922	No
64	GOM_TRA_1PNPDE20090810_044856_000000492081_00291_38922_4991.N1	10-AUG-2009 04:48:56	Bright	49.000	61	8Eps Peg	2.1000	3900.0	98	38922	No
65	GOM_TRA_1PNPDE20090810_045513_000000402081_00291_38922_4992.N1	10-AUG-2009 04:55:13	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	38922	No
66	GOM_TRA_1PNPDE20090810_045825_000000402081_00291_38922_4993.N1	10-AUG-2009 04:58:25	Bright	40.000	19	50Alp Cyg	1.2460	10500.	80	38922	No
67	GOM_TRA_1PNPDE20090810_050350_000000392081_00291_38922_4994.N1	10-AUG-2009 05:03:50	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	38922	No
68	GOM_TRA_1PNPDE20090810_050922_000000502081_00291_38922_4995.N1	10-AUG-2009 05:09:22	Bright	50.000	74	11Bet Cas	2.2680	6600.0	100	38922	No
69	GOM_TRA_1PNPDE20090810_051131_000000482081_00291_38922_4996.N1	10-AUG-2009 05:11:31	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	38922	No



70	GOM_TRA_1PNPDE20090810_051832_000000512081_00291_38922_5166.N1	10-AUG-2009 05:18:32	Bright	51.000	160	23Gam Per	2.9300	4700.0	102	38922	No
71	GOM_TRA_1PNPDE20090810_052023_000000582081_00291_38922_5167.N1	10-AUG-2009 05:20:23	Bright	58.000	35	33Alp Per	1.7950	6250.0	116	38922	No
72	GOM_TRA_1PNPDE20090810_052308_000000492081_00291_38922_5168.N1	10-AUG-2009 05:23:08	Bright	48.500	6	13Alp Aur	0.080000	3400.0	97	38922	No
73	GOM_TRA_1PNPDE20090810_052455_000000542081_00291_38922_5169.N1	10-AUG-2009 05:24:55	Bright	53.500	149	45Eps Per	2.8880	30000.	107	38922	No
74	GOM_TRA_1PNPDE20090810_052846_000000482081_00291_38922_5170.N1	10-AUG-2009 05:28:46	Tw_i_and_stray	48.000	28	12Bet Tau	1.6500	15200.	96	38922	No
75	GOM_TRA_1PNPDE20090810_053059_000000452081_00291_38922_5171.N1	10-AUG-2009 05:30:59	Tw_i_and_stray	44.500	176	23Zet Tau	3.0200	22000.	89	38922	No
76	GOM_TRA_1PNPDE20090810_053551_000000482081_00291_38922_5172.N1	10-AUG-2009 05:35:51	Dark	48.000	27	24Gam Ori	1.6360	26000.	96	38922	No
77	GOM_TRA_1PNPDE20090810_053738_000000452081_00291_38922_5173.N1	10-AUG-2009 05:37:38	Dark	44.500	72	34Del Ori	2.2500	30000.	89	38922	No
78	GOM_TRA_1PNPDE20090810_054032_000000552081_00291_38922_5174.N1	10-AUG-2009 05:40:32	Dark	55.000	7	19Bet Ori	0.10000	14000.	110	38922	No
79	GOM_TRA_1PNPDE20090810_054626_000000622081_00291_38922_5175.N1	10-AUG-2009 05:46:26	Dark	62.000	165	34Gam Eri	2.9500	3200.0	124	38922	No
80	GOM_TRA_1PNPDE20090810_055538_000000502081_00292_38923_5176.N1	10-AUG-2009 05:55:38	Dark	50.000	157	The1Eri	2.9060	9300.0	100	38923	No
81	GOM_TRA_1PNPDE20090810_060551_000000632081_00292_38923_5177.N1	10-AUG-2009 06:05:51	Straylight	63.000	84	Alp Phe	2.3970	4500.0	126	38923	No
82	GOM_TRA_1PNPDE20090810_060909_000000582081_00292_38923_5178.N1	10-AUG-2009 06:09:09	Straylight	58.000	63	Bet Gru	2.1500	2800.0	116	38923	No
83	GOM_TRA_1PNPDE20090810_061357_000000562081_00292_38923_5179.N1	10-AUG-2009 06:13:57	Tw_i_and_stray	56.000	18	24Alp PsA	1.1660	9700.0	112	38923	No
84	GOM_TRA_1PNPDE20090810_062008_000000452081_00292_38923_5180.N1	10-AUG-2009 06:20:08	Bright	44.500	142	49Del Cap	2.8500	8900.0	89	38923	No
85	GOM_TRA_1PNPDE20090810_062349_000000462081_00292_38923_5181.N1	10-AUG-2009 06:23:49	Bright	46.000	154	22Bet Aqr	2.8990	5700.0	92	38923	No
86	GOM_TRA_1PNPDE20090810_062931_000000492081_00292_38923_5182.N1	10-AUG-2009 06:29:31	Bright	48.500	61	8Eps Peg	2.1000	3900.0	97	38923	No
87	GOM_TRA_1PNPDE20090810_063549_000000412081_00292_38923_5183.N1	10-AUG-2009 06:35:49	Bright	41.000	92	53Eps Cyg	2.5000	4500.0	82	38923	No
88	GOM_TRA_1PNPDE20090810_063900_000000392081_00292_38923_5184.N1	10-AUG-2009 06:39:00	Bright	38.500	19	50Alp Cyg	1.2460	10500.	77	38923	No
89	GOM_TRA_1PNPDE20090810_064426_000000572081_00292_38923_5185.N1	10-AUG-2009 06:44:26	Bright	57.000	89	5Alp Cep	2.4510	8000.0	114	38923	No
90	GOM_TRA_1PNPDE20090810_064957_000000512081_00292_38923_5186.N1	10-AUG-2009 06:49:57	Bright	51.000	74	11Bet Cas	2.2680	6600.0	102	38923	No
91	GOM_TRA_1PNPDE20090810_065207_000000492081_00292_38923_5187.N1	10-AUG-2009 06:52:07	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	38923	No
92	GOM_TRA_1PNPDE20090810_193402_000000572081_00300_38931_5500.N1	10-AUG-2009 19:34:02	Straylight	56.500	63	Bet Gru	2.1500	2800.0	113	38931	No
93	GOM_TRA_1PNPDE20090810_193849_000000572081_00300_38931_5501.N1	10-AUG-2009 19:38:49	Tw_i_and_stray	57.000	18	24Alp PsA	1.1660	9700.0	114	38931	No
94	GOM_TRA_1PNPDE20090810_194456_000000472081_00300_38931_5502.N1	10-AUG-2009 19:44:56	Bright	47.000	142	49Del Cap	2.8500	8900.0	94	38931	No
95	GOM_TRA_1PNPDE20090810_194836_000000452081_00300_38931_5503.N1	10-AUG-2009 19:48:36	Bright	45.000	154	22Bet Aqr	2.8990	5700.0	90	38931	No
96	GOM_TRA_1PNPDE20090810_195057_000000312081_00300_38931_5504.N1	10-AUG-2009 19:50:57	Tw_i_and_stray	31.000	162	34Alp Aqr	2.9440	5350.0	62	38931	No
97	GOM_TRA_1PNPDE20090810_195415_000000472081_00300_38931_5505.N1	10-AUG-2009 19:54:15	Bright	47.000	61	8Eps Peg	2.1000	3900.0	94	38931	No
98	GOM_TRA_1PNPDE20090810_200034_000000392081_00300_38931_5506.N1	10-AUG-2009 20:00:34	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	38931	No
99	GOM_TRA_1PNPDE20090810_200346_000000382081_00300_38931_5507.N1	10-AUG-2009 20:03:46	Bright	37.500	19	50Alp Cyg	1.2460	10500.	75	38931	No
100	GOM_TRA_1PNPDE20090810_200911_000000382081_00300_38931_5508.N1	10-AUG-2009 20:09:11	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	38931	No
101	GOM_TRA_1PNPDE20090810_201438_000000492081_00300_38931_5509.N1	10-AUG-2009 20:14:38	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	38931	No
102	GOM_TRA_1PNPDE20090810_201648_000000492081_00300_38931_5510.N1	10-AUG-2009 20:16:48	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	38931	No
103	GOM_TRA_1PNPDE20090810_202351_000000602081_00300_38931_5511.N1	10-AUG-2009 20:23:51	Bright	59.500	160	23Gam Per	2.9300	4700.0	119	38931	No
104	GOM_TRA_1PNPDE20090810_202543_000000562081_00300_38931_5512.N1	10-AUG-2009 20:25:43	Bright	56.000	35	33Alp Per	1.7950	6250.0	112	38931	No
105	GOM_TRA_1PNPDE20090810_202831_000000452081_00300_38931_5513.N1	10-AUG-2009 20:28:31	Bright	44.500	6	13Alp Aur	0.080000	3400.0	89	38931	No
106	GOM_TRA_1PNPDE20090810_203017_000000322081_00300_38931_5514.N1	10-AUG-2009 20:30:17	Tw_i_and_stray	32.000	149	45Eps Per	2.8880	30000.	64	38931	No
107	GOM_TRA_1PNPDE20090810_203411_000000472081_00300_38931_5515.N1	10-AUG-2009 20:34:11	Tw_i_and_stray	47.000	28	12Bet Tau	1.6500	15200.	94	38931	No
108	GOM_TRA_1PNPDE20090810_203625_000000452081_00300_38931_5516.N1	10-AUG-2009 20:36:25	Tw_i_and_stray	44.500	176	23Zet Tau	3.0200	22000.	89	38931	No
109	GOM_TRA_1PNPDE20090810_203928_000000652081_00300_38931_5517.N1	10-AUG-2009 20:39:28	Dark	65.000	13	87Alp Tau	0.86700	3800.0	130	38931	No
110	GOM_TRA_1PNPDE20090810_204119_000000512081_00300_38931_5518.N1	10-AUG-2009 20:41:19	Dark	50.500	27	24Gam Ori	1.6360	26000.	101	38931	No
111	GOM_TRA_1PNPDE20090810_204306_000000452081_00300_38931_5653.N1	10-AUG-2009 20:43:06	Dark	44.500	72	34Del Ori	2.2500	30000.	89	38931	No
112	GOM_TRA_1PNPDE20090810_204601_000000532081_00300_38931_5654.N1	10-AUG-2009 20:46:01	Dark	53.000	7	19Bet Ori	0.10000	14000.	106	38931	No
113	GOM_TRA_1PNPDE20090810_205202_000000702081_00300_38931_5655.N1	10-AUG-2009 20:52:02	Dark	69.500	165	34Gam Eri	2.9500	3200.0	139	38931	No
114	GOM_TRA_1PNPDE20090810_210112_000000492081_00301_38932_5656.N1	10-AUG-2009 21:01:12	Dark	49.000	157	The1Eri	2.9060	9300.0	98	38932	No
115	GOM_TRA_1PNPDE20090810_211122_000000662081_00301_38932_5657.N1	10-AUG-2009 21:11:22	Straylight	65.500	84	Alp Phe	2.3970	4500.0	131	38932	No
116	GOM_TRA_1PNPDE20090810_211925_000000572081_00301_38932_5658.N1	10-AUG-2009 21:19:25	Tw_i_and_stray	57.000	18	24Alp PsA	1.1660	9700.0	114	38932	No
117	GOM_TRA_1PNPDE20090810_212532_000000432081_00301_38932_5659.N1	10-AUG-2009 21:25:32	Bright	43.000	142	49Del Cap	2.8500	8900.0	86	38932	No
118	GOM_TRA_1PNPDE20090810_212912_000000452081_00301_38932_5660.N1	10-AUG-2009 21:29:12	Bright	44.500	154	22Bet Aqr	2.8990	5700.0	89	38932	No
119	GOM_TRA_1PNPDE20090810_213133_000000382081_00301_38932_5661.N1	10-AUG-2009 21:31:33	Bright	38.000	162	34Alp Aqr	2.9440	5350.0	76	38932	No
120	GOM_TRA_1PNPDE20090810_213451_000000472081_00301_38932_5662.N1	10-AUG-2009 21:34:51	Bright	47.000	61	8Eps Peg	2.1000	3900.0	94	38932	No
121	GOM_TRA_1PNPDE20090810_214109_000000382081_00301_38932_5663.N1	10-AUG-2009 21:41:09	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	38932	No
122	GOM_TRA_1PNPDE20090810_214421_000000372081_00301_38932_5664.N1	10-AUG-2009 21:44:21	Bright	37.000	19	50Alp Cyg	1.2460	10500.	74	38932	No
123	GOM_TRA_1PNPDE20090810_214946_000000392081_00301_38932_5665.N1	10-AUG-2009 21:49:46	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	38932	No
124	GOM_TRA_1PNPDE20090810_215513_000000462081_00301_38932_5666.N1	10-AUG-2009 21:55:13	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	38932	No
125	GOM_TRA_1PNPDE20090810_215723_000000452081_00301_38932_5667.N1	10-AUG-2009 21:57:23	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	38932	No
126	GOM_TRA_1PNPDE20090810_220426_000000532081_00301_38932_5668.N1	10-AUG-2009 22:04:26	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	38932	No
127	GOM_TRA_1PNPDE20090810_220618_000000562081_00301_38932_5669.N1	10-AUG-2009 22:06:18	Bright	56.000	35	33Alp Per	1.7950	6250.0	112	38932	No
128	GOM_TRA_1PNPDE20090810_220906_000000452081_00301_38932_5670.N1	10-AUG-2009 22:09:06	Bright	44.500	6	13Alp Aur	0.080000	3400.0	89	38932	No

129	GOM_TRA_1PNPDE20090810_221053_000000262081_00301_38932_5671.N1	10-AUG-2009 22:10:53	Twilight	26.000	149	45Eps Per	2.8880	30000.	52	38932	No
130	GOM_TRA_1PNPDE20090810_221447_000000472081_00301_38932_5672.N1	10-AUG-2009 22:14:47	Twilight	46.500	28	12Bet Tau	1.6500	15200.	93	38932	No
131	GOM_TRA_1PNPDE20090810_221701_000000422081_00301_38932_5673.N1	10-AUG-2009 22:17:01	Twilight	42.000	176	23Zet Tau	3.0200	22000.	84	38932	No
132	GOM_TRA_1PNPDE20090810_222004_000000682081_00301_38932_5674.N1	10-AUG-2009 22:20:04	Dark	68.000	13	87Alp Tau	0.86700	3800.0	136	38932	No
133	GOM_TRA_1PNPDE20090810_222155_000000512081_00301_38932_5675.N1	10-AUG-2009 22:21:55	Dark	51.000	27	24Gam Ori	1.6360	26000.	102	38932	No
134	GOM_TRA_1PNPDE20090810_222351_000000462081_00301_38932_5676.N1	10-AUG-2009 22:23:51	Dark	46.000	30	46Eps Ori	1.6940	30000.	92	38932	No
135	GOM_TRA_1PNPDE20090810_222638_000000472081_00301_38932_5677.N1	10-AUG-2009 22:26:38	Dark	47.000	7	19Bet Ori	0.10000	14000.	94	38932	No
136	GOM_TRA_1PNPDE20090810_223239_000000642081_00301_38932_5800.N1	10-AUG-2009 22:32:39	Dark	64.000	165	34Gam Eri	2.9500	3200.0	128	38932	No
137	GOM_TRA_1PNPDE20090810_224148_000000512081_00302_38933_5801.N1	10-AUG-2009 22:41:48	Dark	50.500	157	The1Eri	2.9060	9300.0	101	38933	No
138	GOM_TRA_1PNPDE20090810_225159_000000522081_00302_38933_5802.N1	10-AUG-2009 22:51:59	Straylight	51.500	84	Alp Phe	2.3970	4500.0	103	38933	No
139	GOM_TRA_1PNPDE20090810_230002_000000582081_00302_38933_5803.N1	10-AUG-2009 23:00:02	Twilight	57.500	18	24Alp PsA	1.1660	9700.0	115	38933	No
140	GOM_TRA_1PNPDE20090810_230608_000000492081_00302_38933_5804.N1	10-AUG-2009 23:06:08	Bright	49.000	142	49Del Cap	2.8500	8900.0	98	38933	No
141	GOM_TRA_1PNPDE20090810_230947_000000452081_00302_38933_5805.N1	10-AUG-2009 23:09:47	Bright	45.000	154	22Bet Aqr	2.8990	5700.0	90	38933	No
142	GOM_TRA_1PNPDE20090810_231209_000000382081_00302_38933_5806.N1	10-AUG-2009 23:12:09	Bright	38.000	162	34Alp Aqr	2.9440	5350.0	76	38933	No
143	GOM_TRA_1PNPDE20090810_231526_000000502081_00302_38933_5807.N1	10-AUG-2009 23:15:26	Bright	50.000	61	8Eps Peg	2.1000	3900.0	100	38933	No
144	GOM_TRA_1PNPDE20090810_232145_000000382081_00302_38933_5808.N1	10-AUG-2009 23:21:45	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	38933	No
145	GOM_TRA_1PNPDE20090810_232457_000000382081_00302_38933_5809.N1	10-AUG-2009 23:24:57	Bright	38.000	19	50Alp Cyg	1.2460	10500.	76	38933	No
146	GOM_TRA_1PNPDE20090810_233021_000000392081_00302_38933_5810.N1	10-AUG-2009 23:30:21	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	38933	No
147	GOM_TRA_1PNPDE20090810_233548_000000482081_00302_38933_5811.N1	10-AUG-2009 23:35:48	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	38933	No
148	GOM_TRA_1PNPDE20090810_233758_000000502081_00302_38933_5812.N1	10-AUG-2009 23:37:58	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	38933	No
149	GOM_TRA_1PNPDE20090810_234501_000000522081_00302_38933_5813.N1	10-AUG-2009 23:45:01	Bright	51.500	160	23Gam Per	2.9300	4700.0	103	38933	No
150	GOM_TRA_1PNPDE20090810_234654_000000562081_00302_38933_5814.N1	10-AUG-2009 23:46:54	Bright	56.000	35	33Alp Per	1.7950	6250.0	112	38933	No
151	GOM_TRA_1PNPDE20090810_234942_000000472081_00302_38933_5815.N1	10-AUG-2009 23:49:42	Bright	46.500	6	13Alp Aur	0.080000	3400.0	93	38933	No
152	GOM_TRA_1PNPDE20090810_235129_000000262081_00302_38933_5816.N1	10-AUG-2009 23:51:29	Twilight	26.000	149	45Eps Per	2.8880	30000.	52	38933	No
153	GOM_TRA_1PNPDE20090810_235523_000000492081_00302_38933_5817.N1	10-AUG-2009 23:55:23	Twilight	48.500	28	12Bet Tau	1.6500	15200.	97	38933	No
154	GOM_TRA_1PNPDE20090810_235737_000000452081_00302_38933_5818.N1	10-AUG-2009 23:57:37	Twilight	45.000	176	23Zet Tau	3.0200	22000.	90	38933	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.

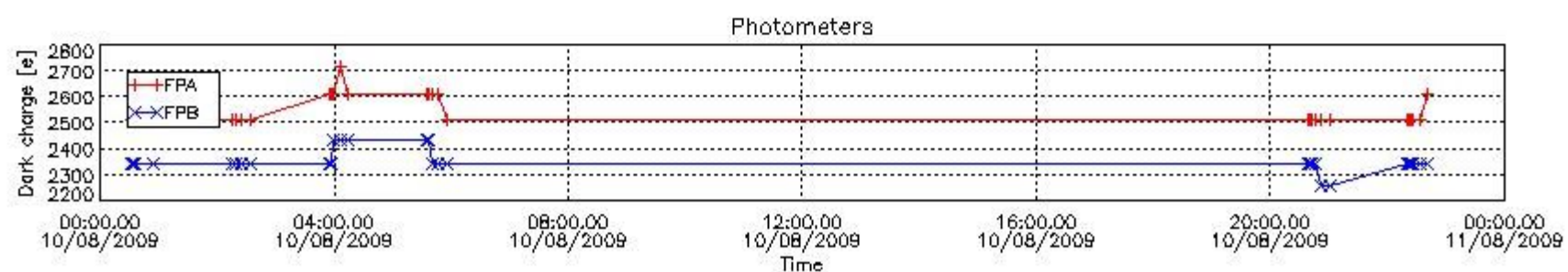
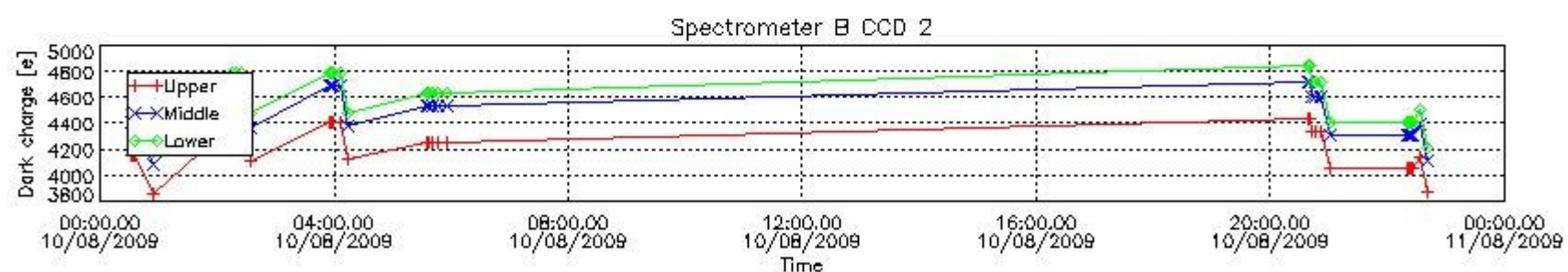
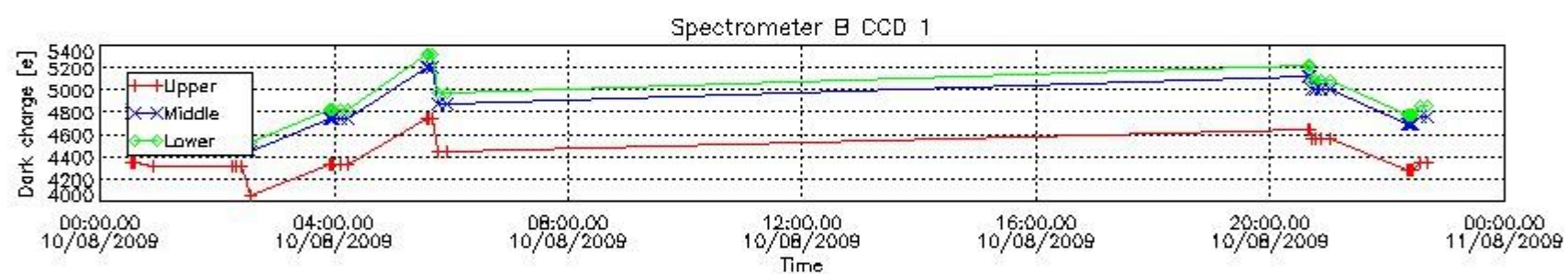
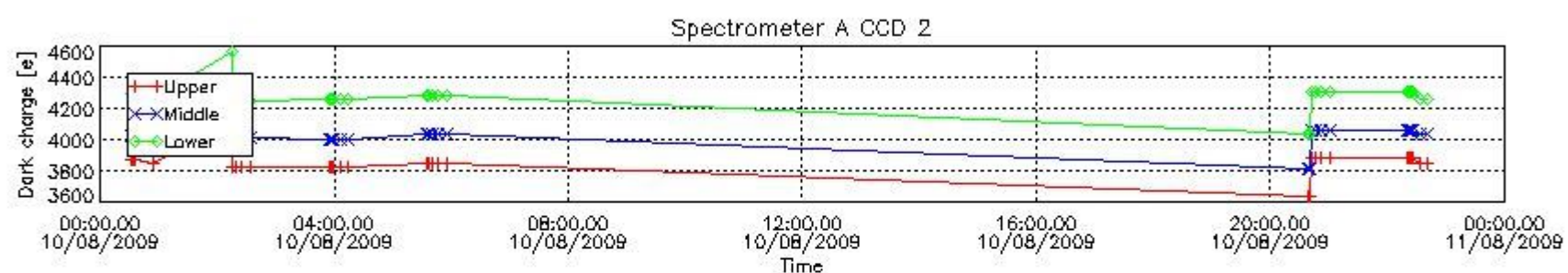
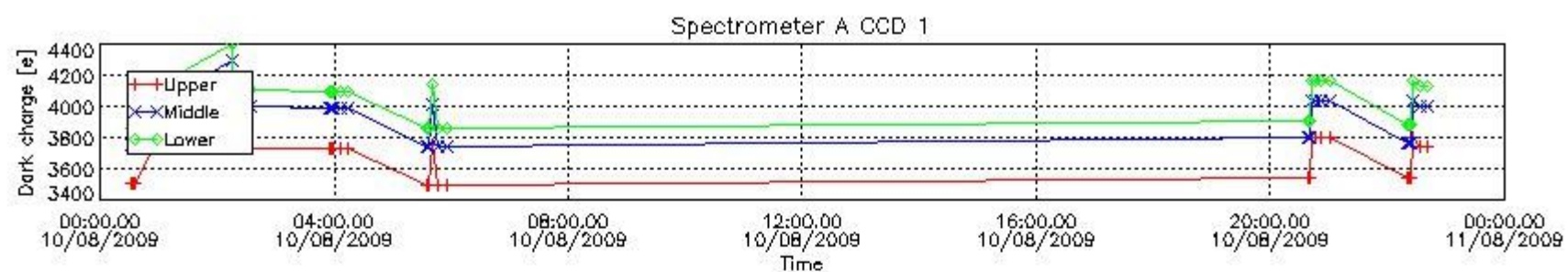
##### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20090810_193402_000000572081_00300_38931_5500.N1	DC map used
GOM_TRA_1PNPDE20090810_193849_000000572081_00300_38931_5501.N1	DC map used
GOM_TRA_1PNPDE20090810_194456_000000472081_00300_38931_5502.N1	DC map used
GOM_TRA_1PNPDE20090810_194836_000000452081_00300_38931_5503.N1	DC map used
GOM_TRA_1PNPDE20090810_195057_000000312081_00300_38931_5504.N1	DC map used
GOM_TRA_1PNPDE20090810_195415_000000472081_00300_38931_5505.N1	DC map used
GOM_TRA_1PNPDE20090810_200034_000000392081_00300_38931_5506.N1	DC map used
GOM_TRA_1PNPDE20090810_200346_000000382081_00300_38931_5507.N1	DC map used
GOM_TRA_1PNPDE20090810_200911_000000382081_00300_38931_5508.N1	DC map used
GOM_TRA_1PNPDE20090810_201438_000000492081_00300_38931_5509.N1	DC map used
GOM_TRA_1PNPDE20090810_201648_000000492081_00300_38931_5510.N1	DC map used
GOM_TRA_1PNPDE20090810_202351_000000602081_00300_38931_5511.N1	DC map used
GOM_TRA_1PNPDE20090810_202543_000000562081_00300_38931_5512.N1	DC map used
GOM_TRA_1PNPDE20090810_202831_000000452081_00300_38931_5513.N1	DC map used



GOM_TRA_1PNPDE20090810_203017_000000322081_00300_38931_5514.N1	DC map used
GOM_TRA_1PNPDE20090810_203411_000000472081_00300_38931_5515.N1	DC map used
GOM_TRA_1PNPDE20090810_203625_000000452081_00300_38931_5516.N1	DC map used
GOM_TRA_1PNPDE20090810_203928_000000652081_00300_38931_5517.N1	DC map used
GOM_TRA_1PNPDE20090810_204119_000000512081_00300_38931_5518.N1	DC map used

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



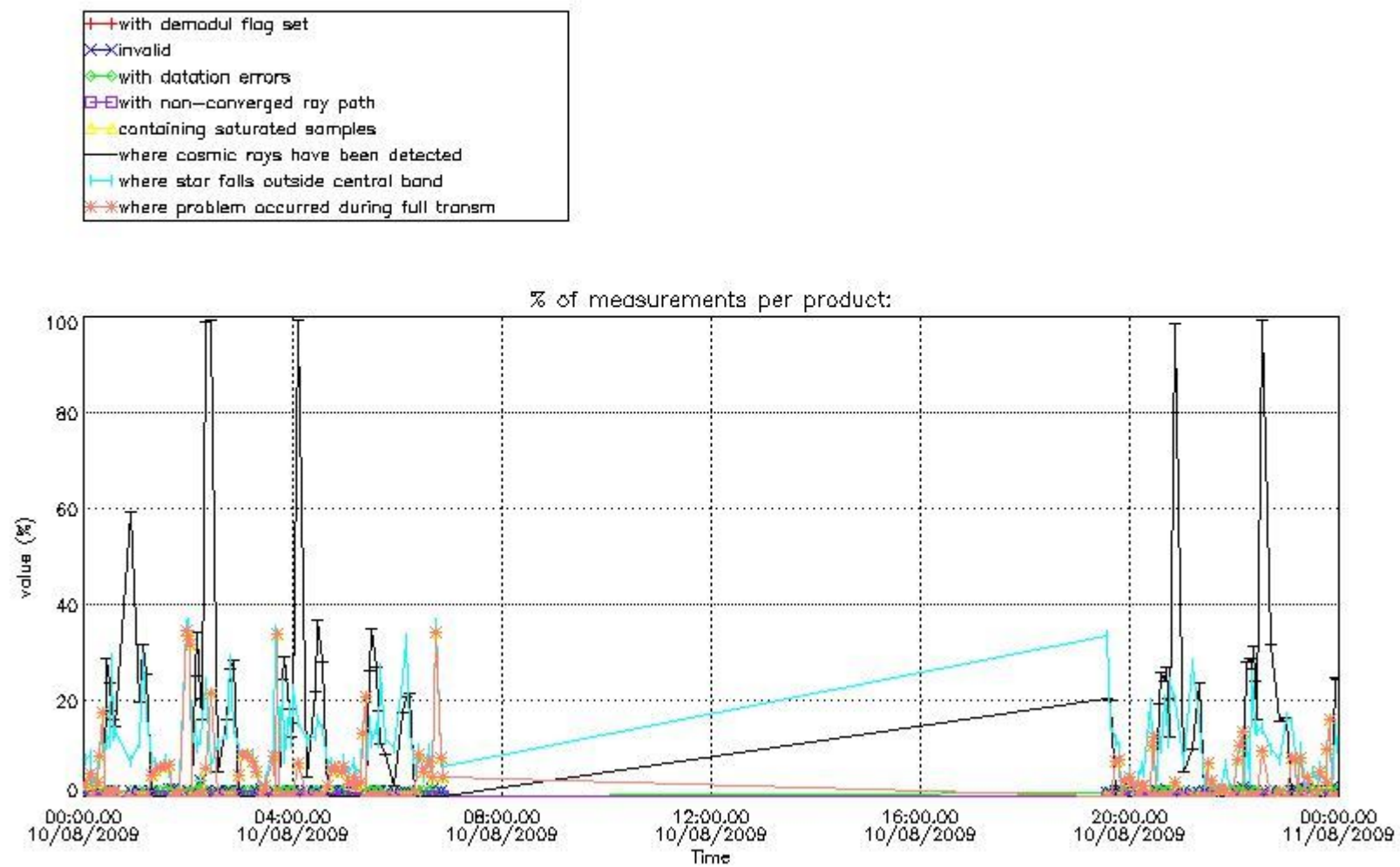
5. Demodulation flag and quality information monitoring

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

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

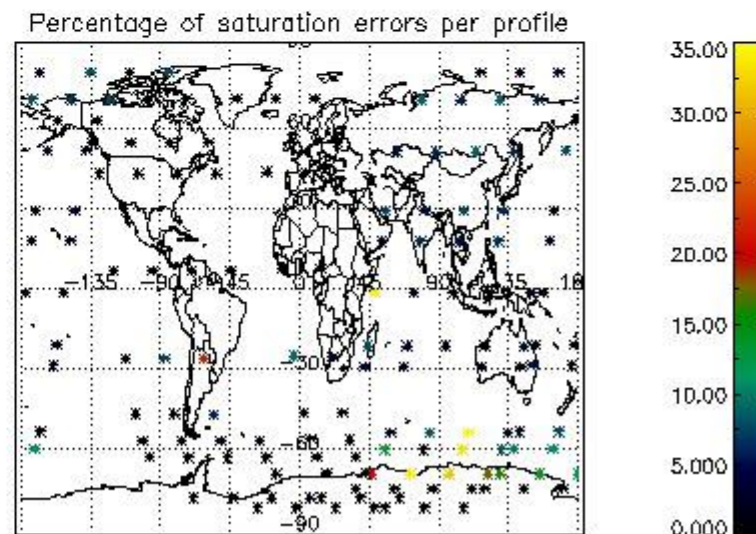
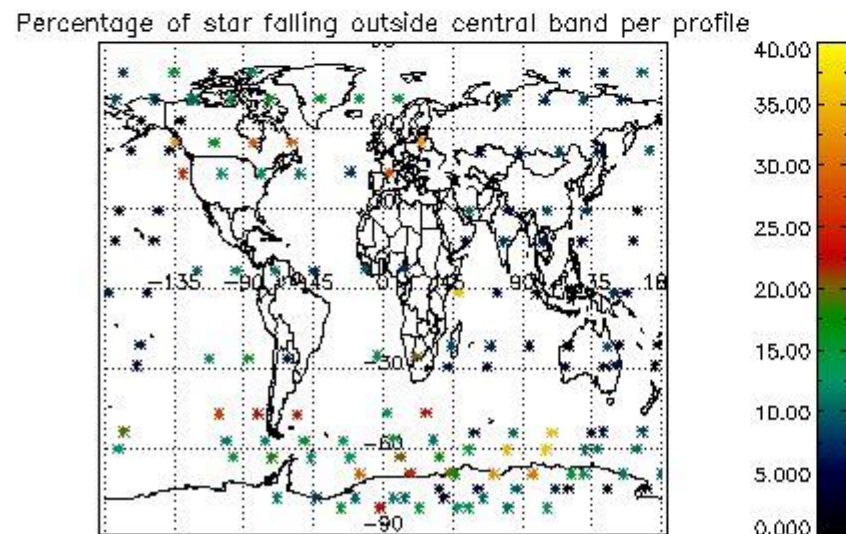
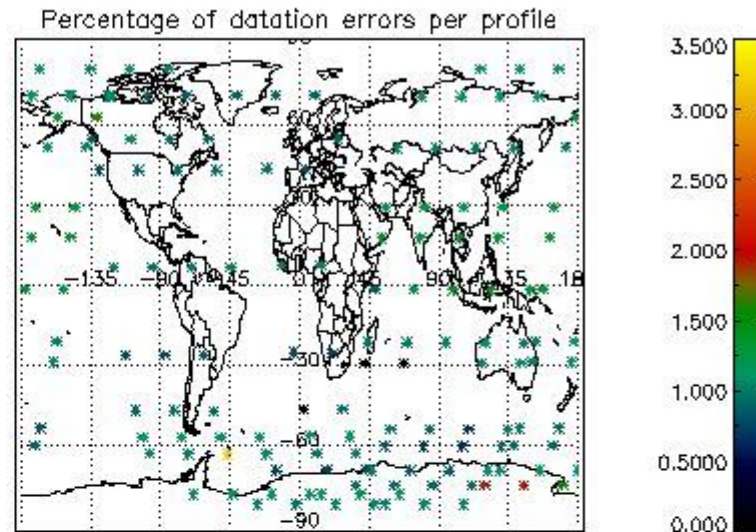
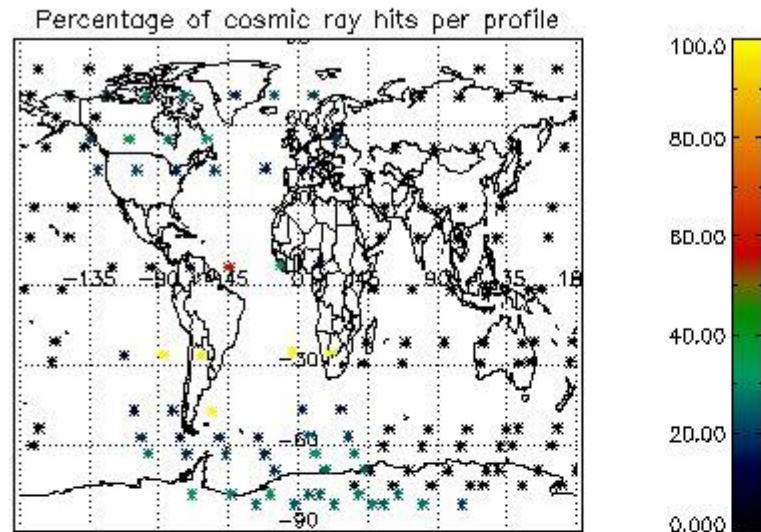
At least one measurement with demodulation flag set:	25.0000 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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



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





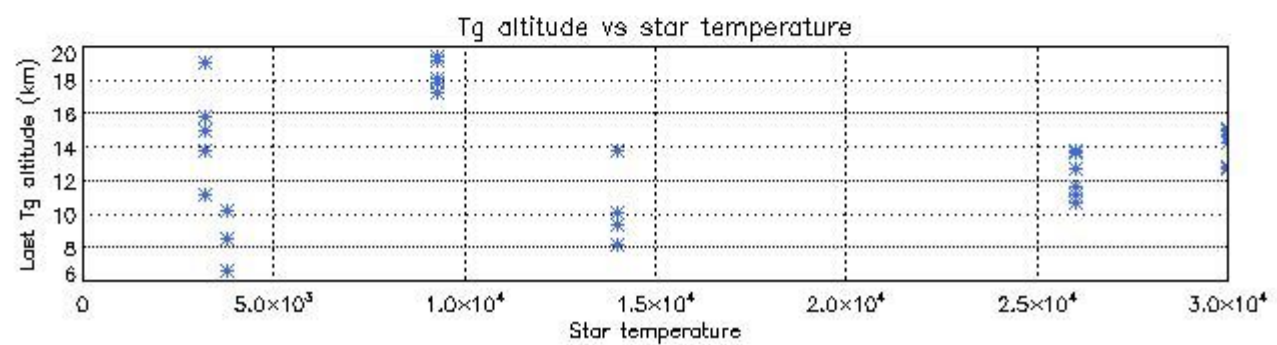
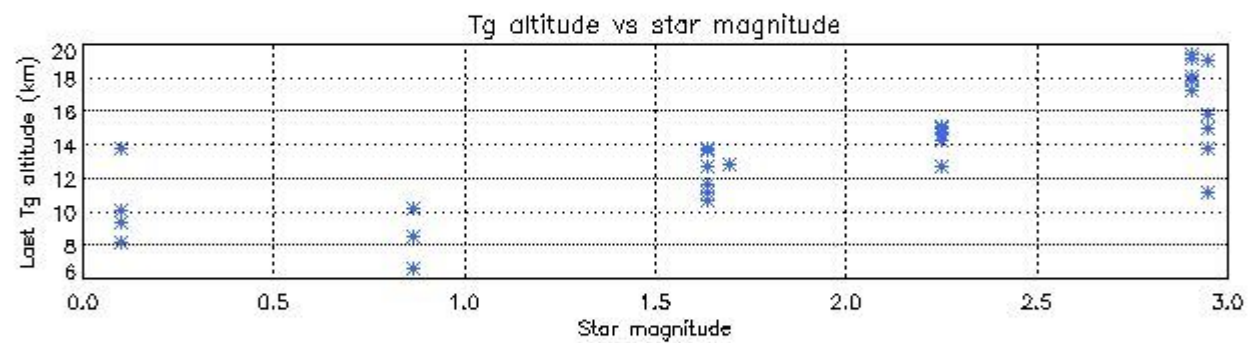
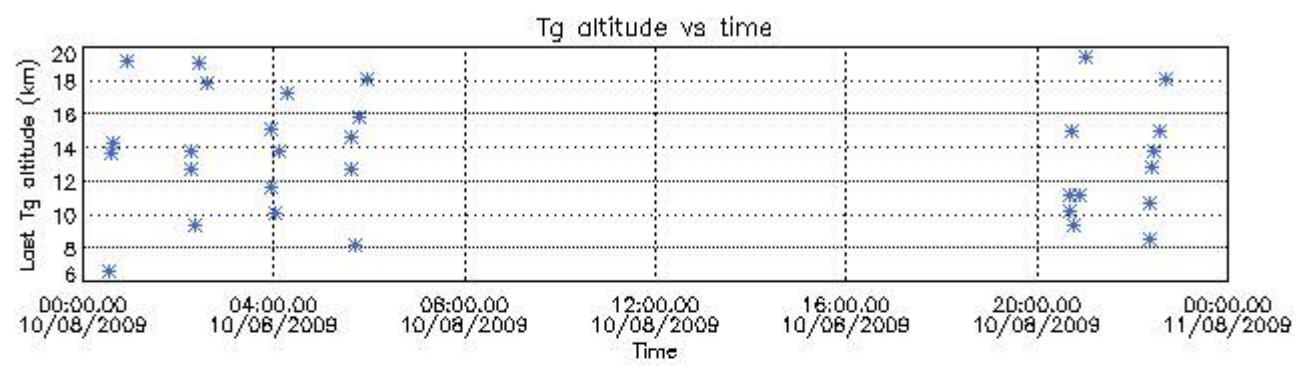
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.505	19.725	NaN
St. deviation:	3.5164	6.9477	NaN
Maximum:	19.446	48.815	NaN
Minimum:	6.6226	2.5403	NaN
Number of data:	31.000	85.000	NaN

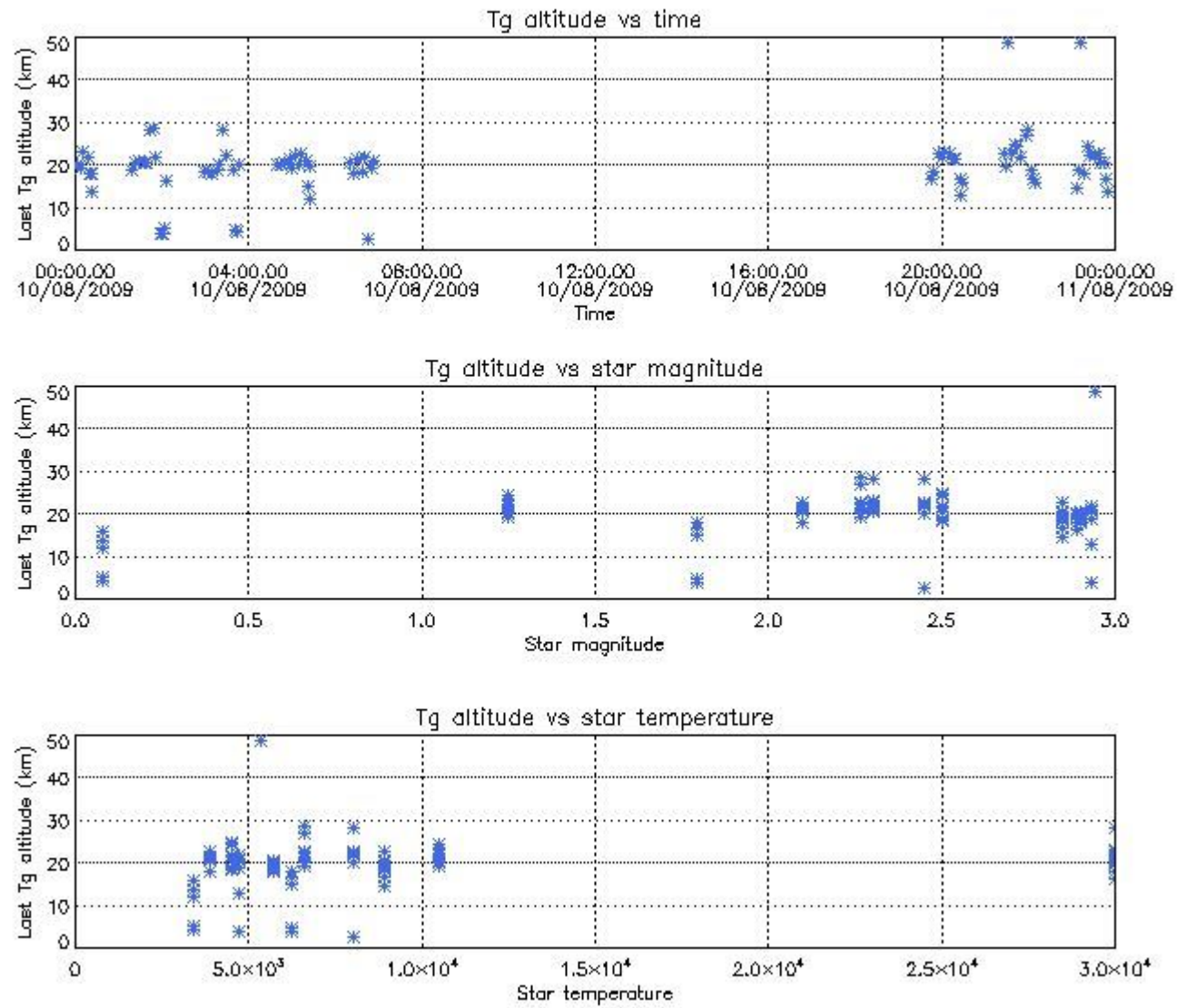
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost



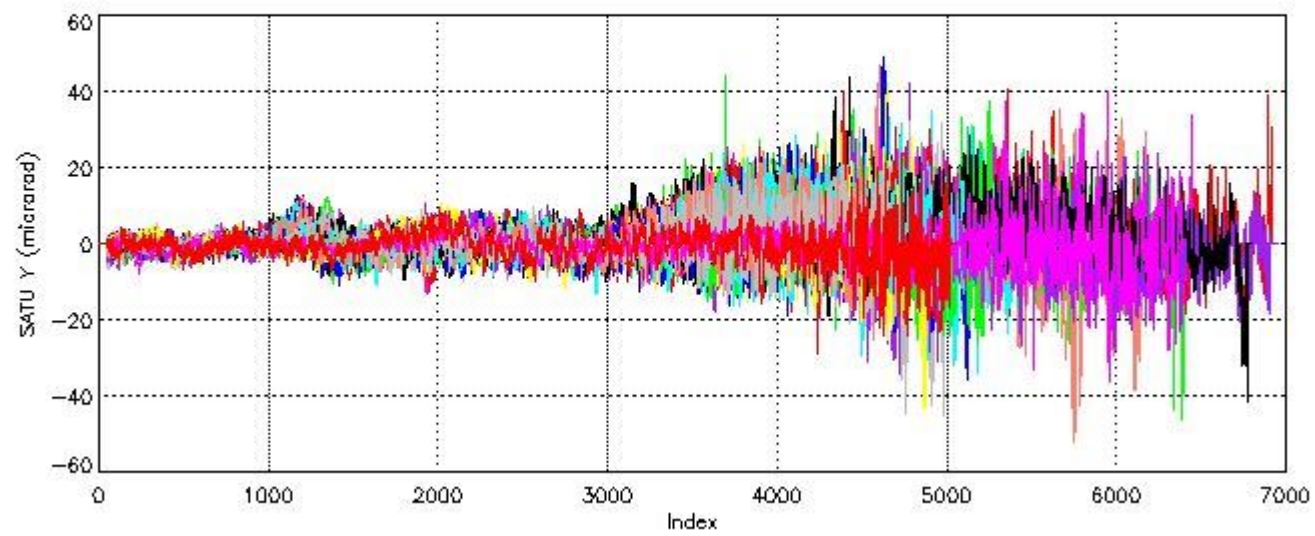
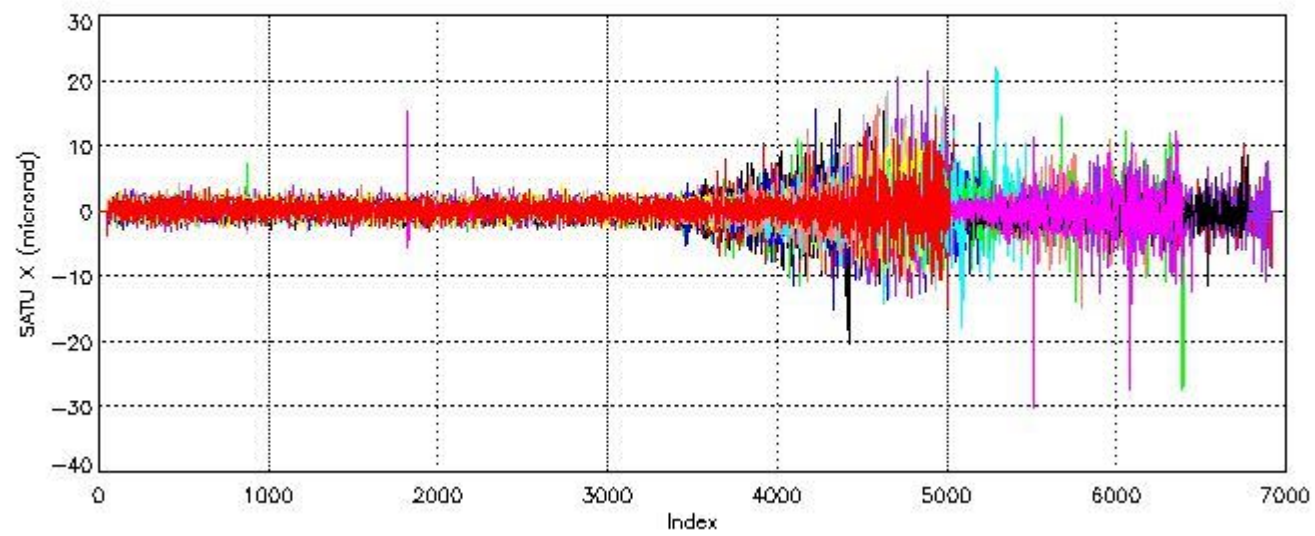
## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.19938	-0.52134	0.28917	-0.60599
St. deviation:	0.52255	1.3330	0.72155	1.6264
Maximum:	7.2000	7.6000	6.1000	9.2000
Minimum:	-3.7000	-7.9000	-6.0000	-10.500

Number of data:	34650.	34650.	90350.	90350.
-----------------	--------	--------	--------	--------

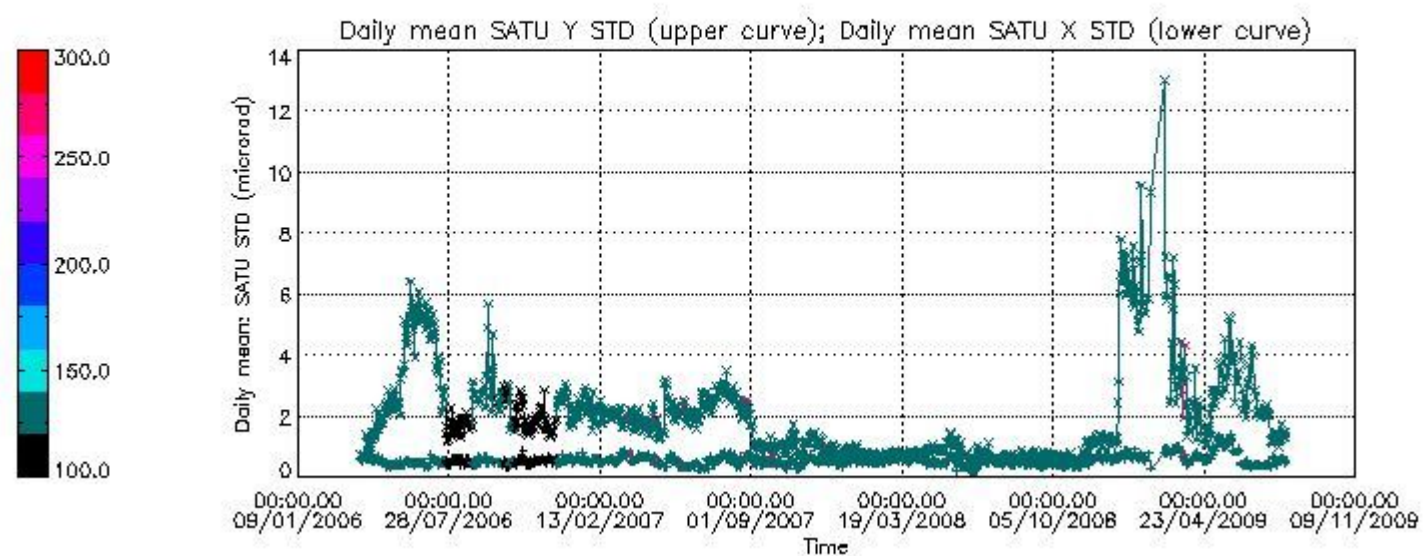
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

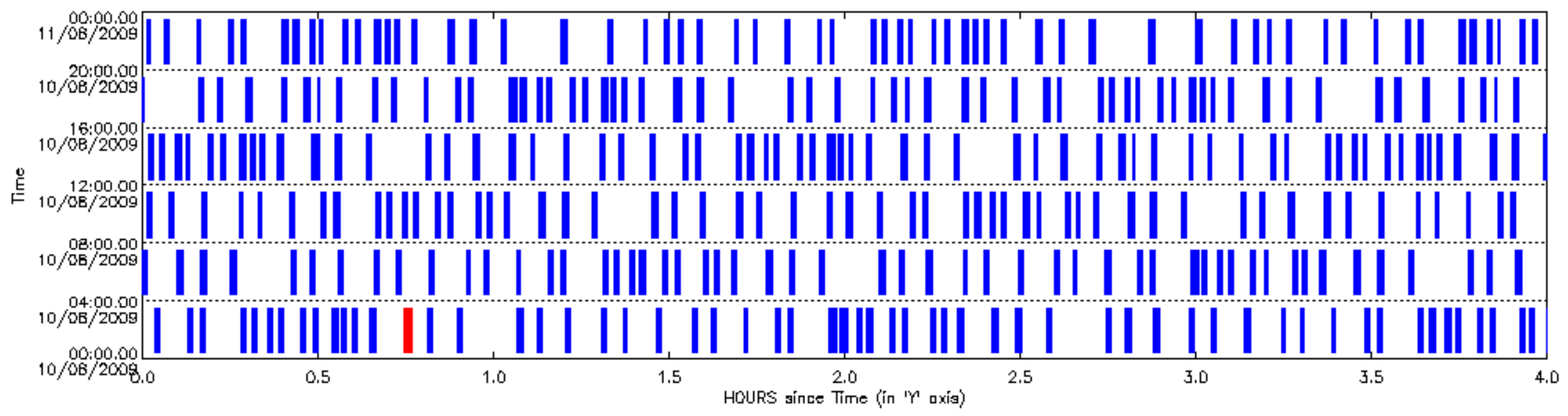
Lower curve: STD of SATU X axis



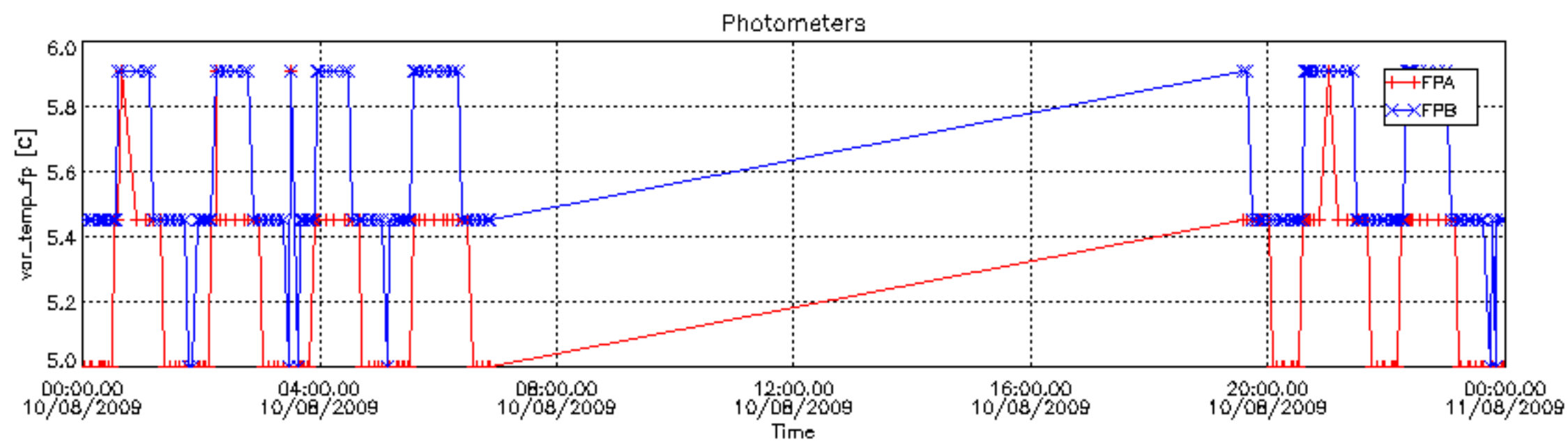
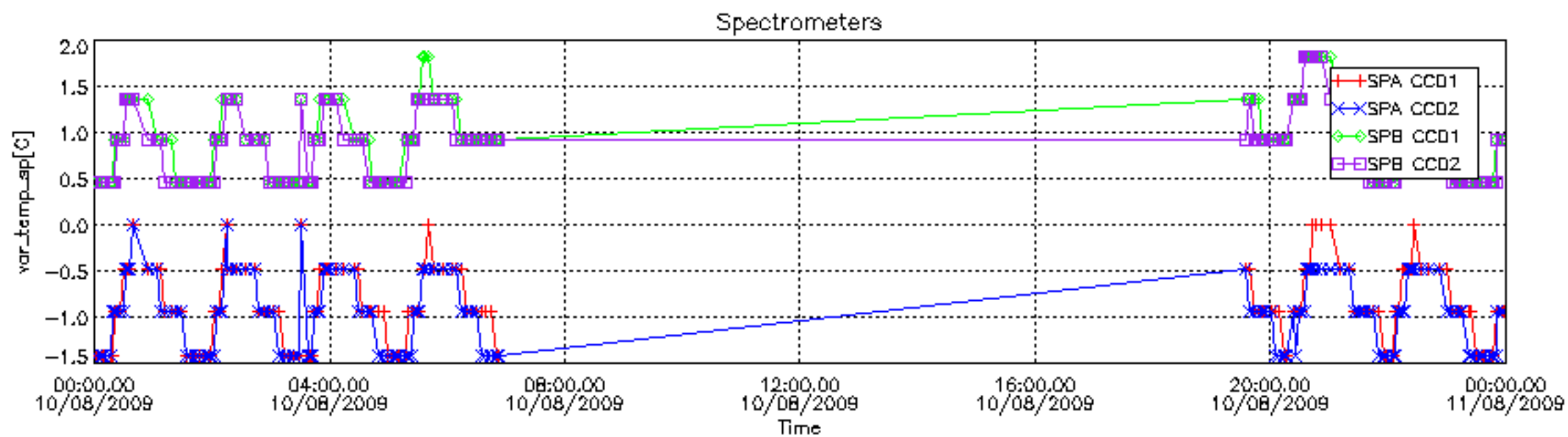
### 8. Auxiliary Data Files used for the production reported in section 2.4

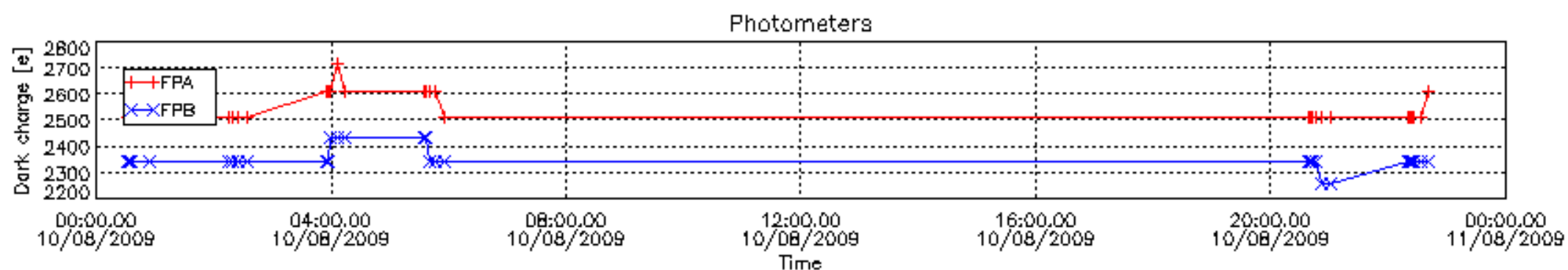
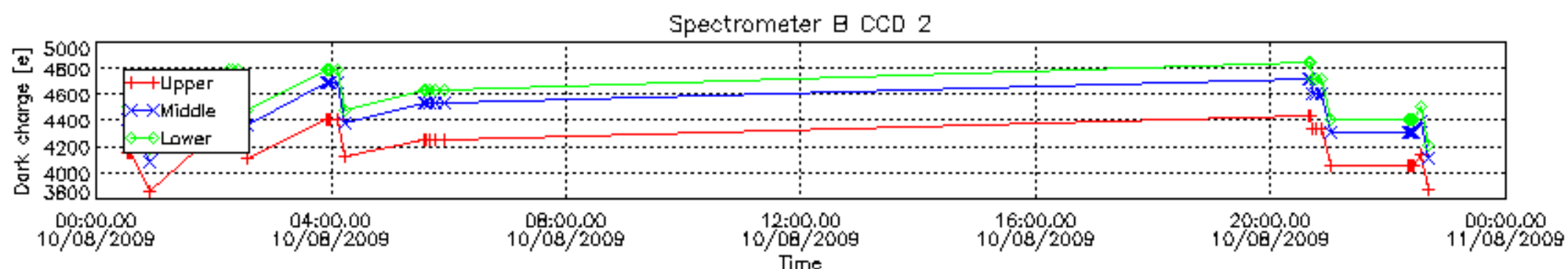
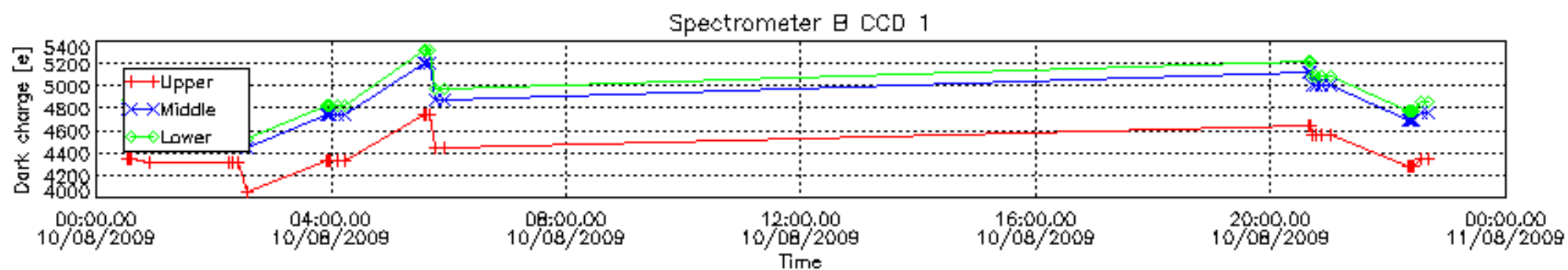
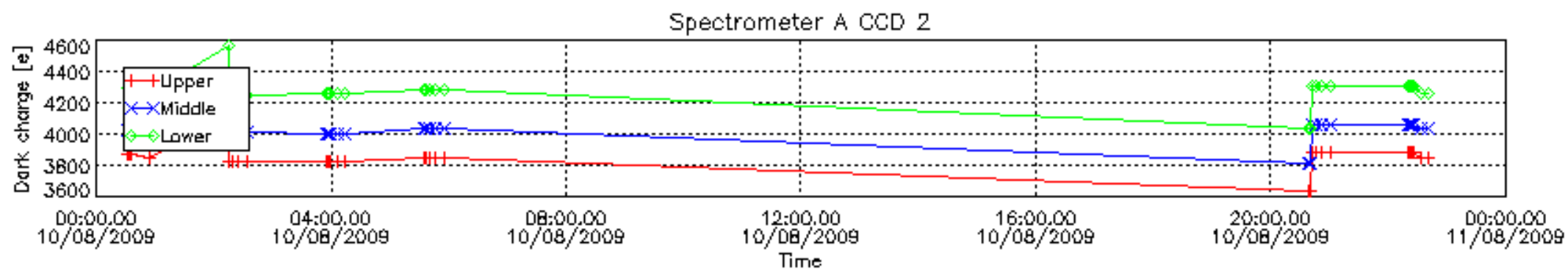
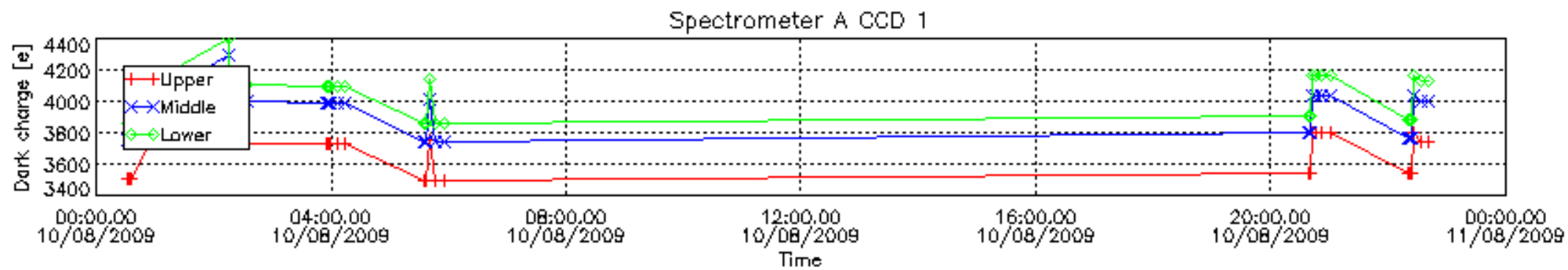
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

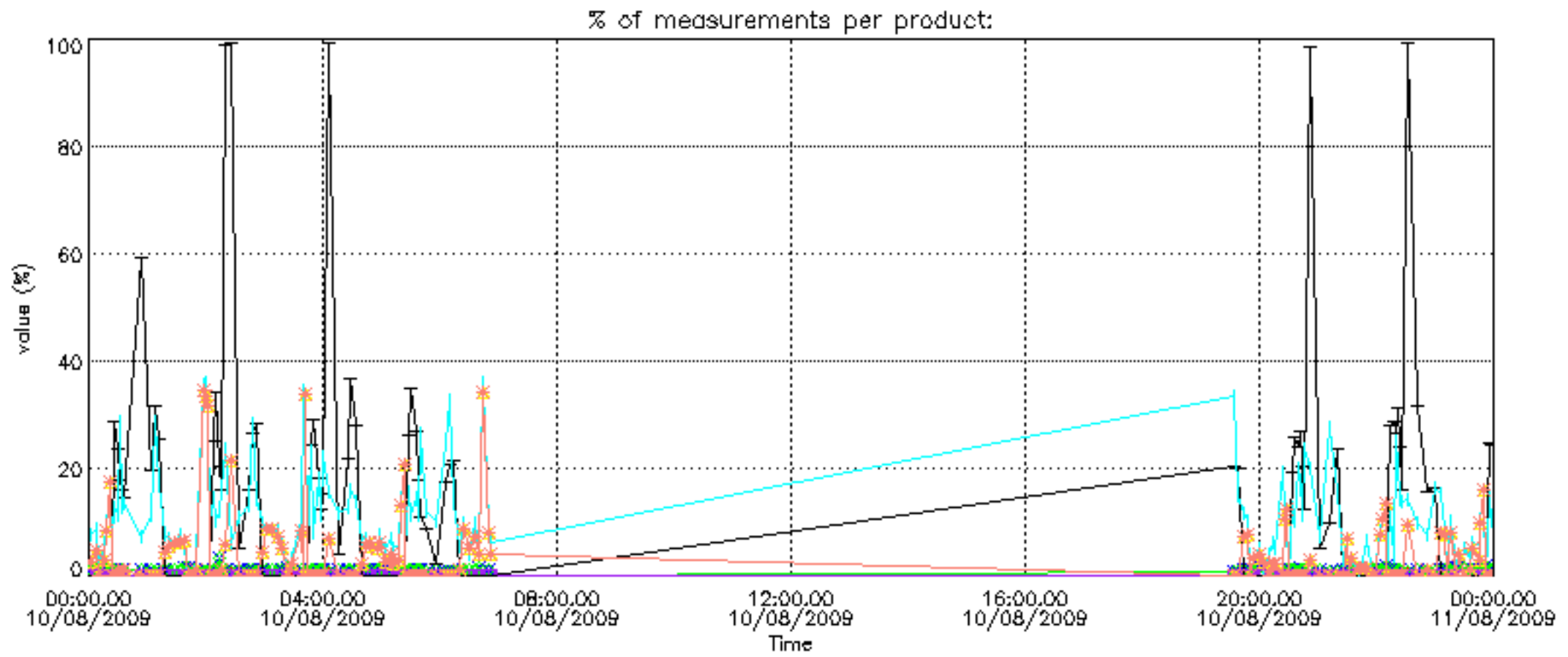
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CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090806_083422_20090804_000000_20100101_000000	1	10-AUG-2009 00:02:03
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	10-AUG-2009 00:02:03
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	10-AUG-2009 00:02:03
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	10-AUG-2009 00:02:03
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ECMWF_FILE	AUX_ECF_AXNECM20090809_184112_20090810_030000_20090810_150000	47	10-AUG-2009 03:30:56
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ECMWF_FILE	AUX_ECF_AXNECM20090810_064112_20090810_210000_20090811_090000	136	10-AUG-2009 22:32:39
OPTIONAL_ECMWF_FILE	MISSING	1	10-AUG-2009 00:02:03
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ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090810_003709_000054192081_00288_38919_8524.N1	32	10-AUG-2009 02:14:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090810_021247_000041442081_00289_38920_8525.N1	47	10-AUG-2009 03:30:56
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090810_032710_000060572081_00290_38921_8526.N1	70	10-AUG-2009 05:18:32
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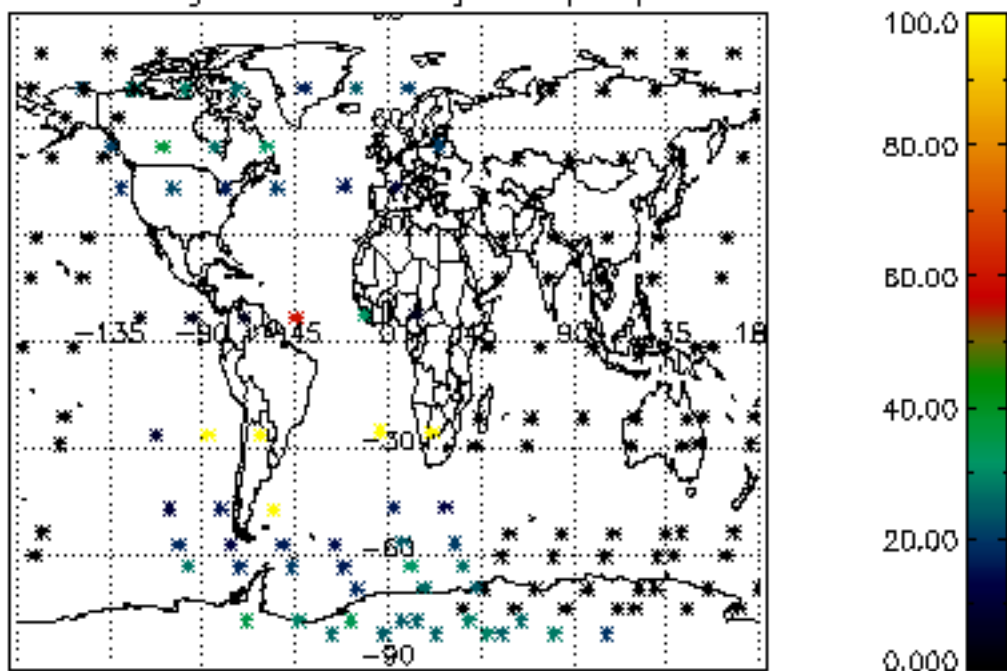




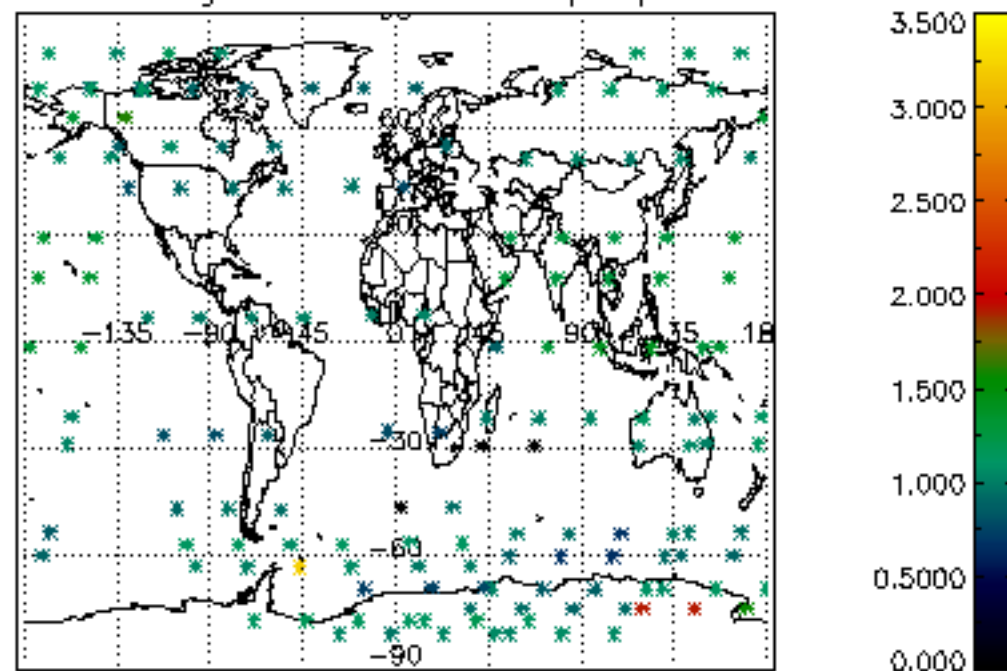




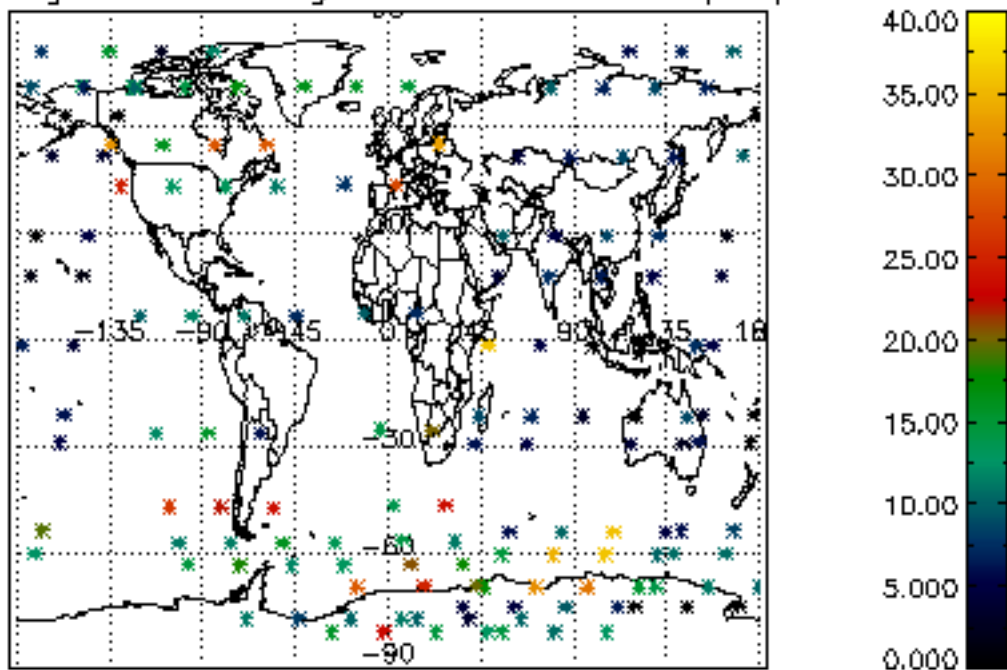
Percentage of cosmic ray hits per profile



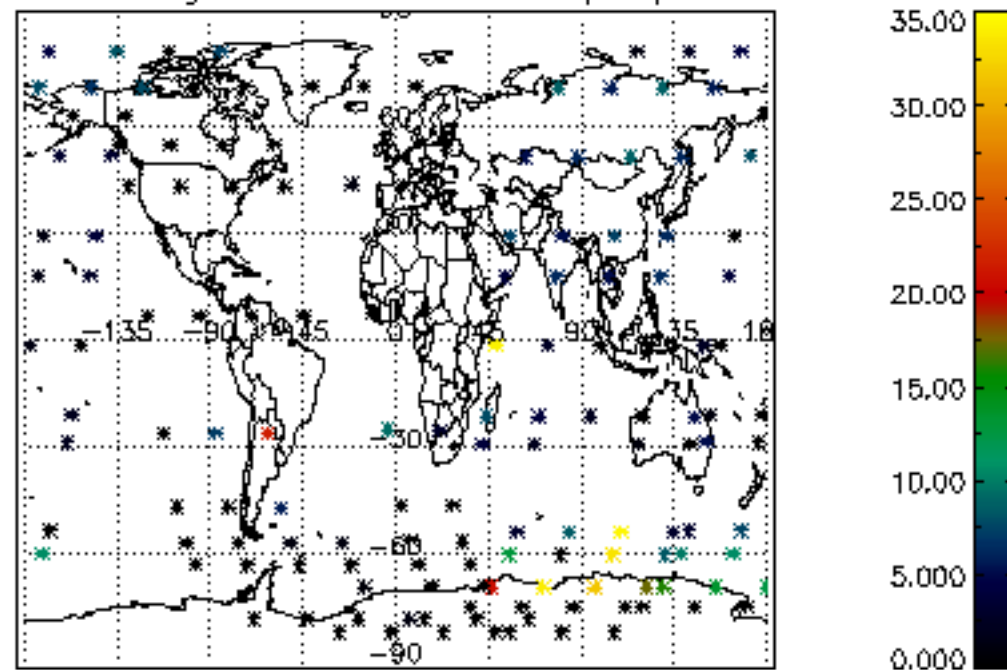
Percentage of datation errors per profile



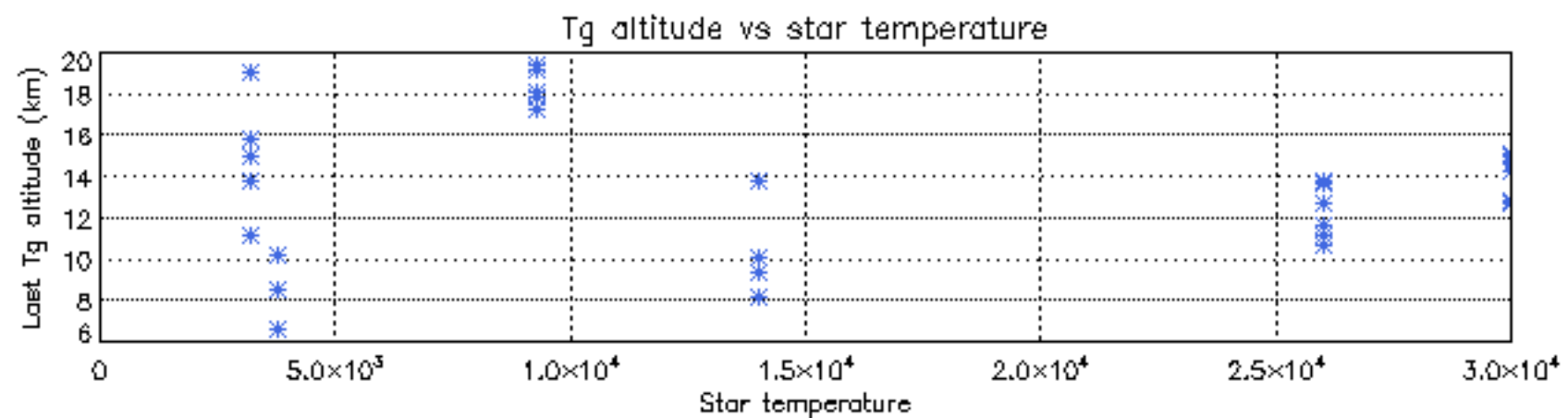
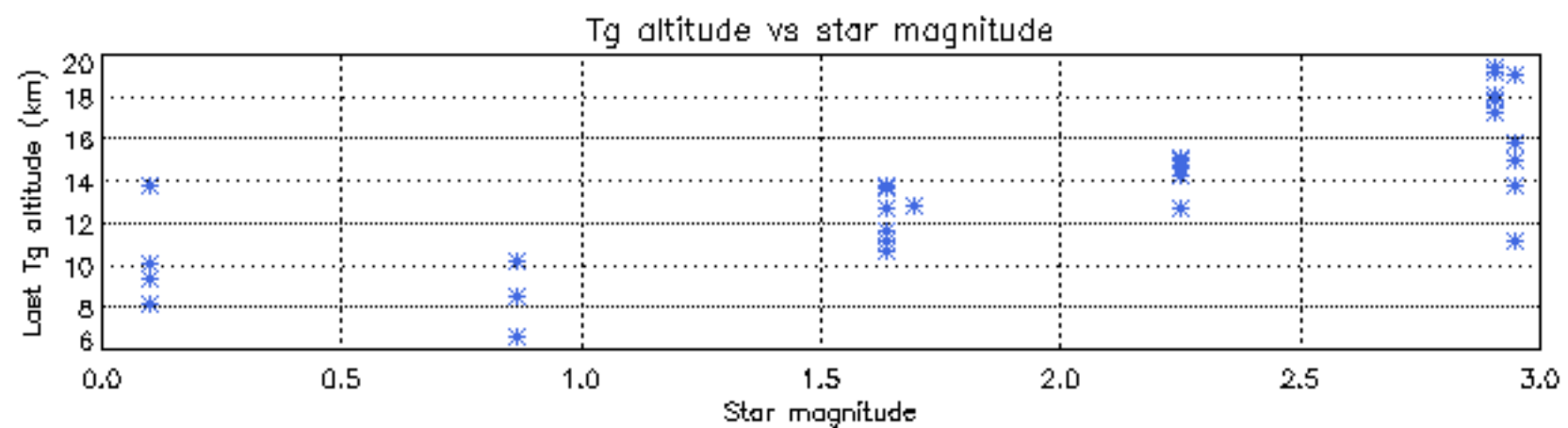
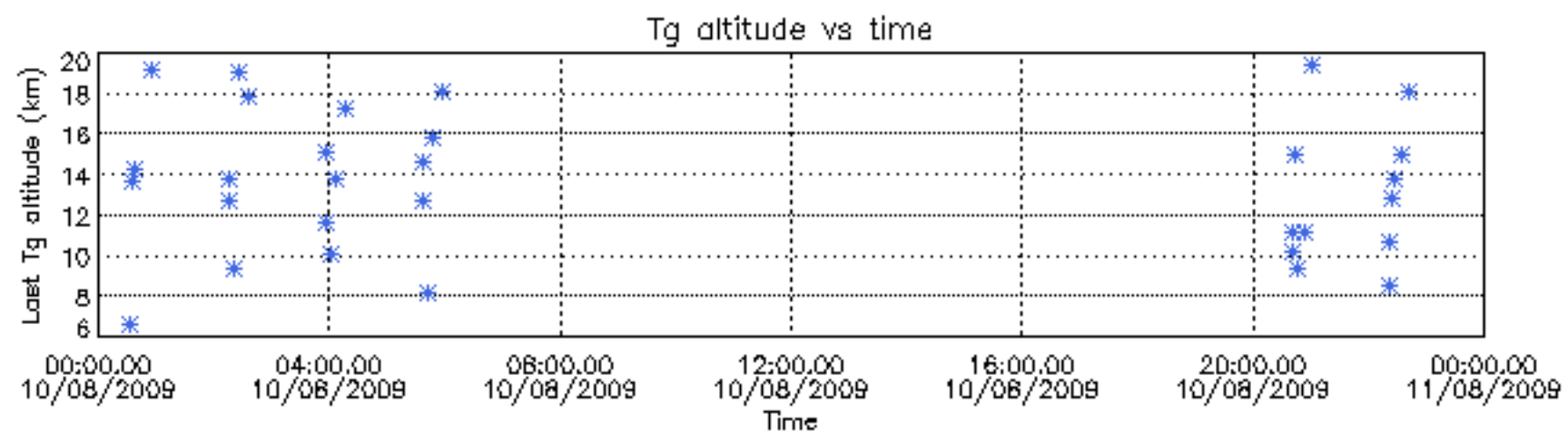
Percentage of star falling outside central band per profile



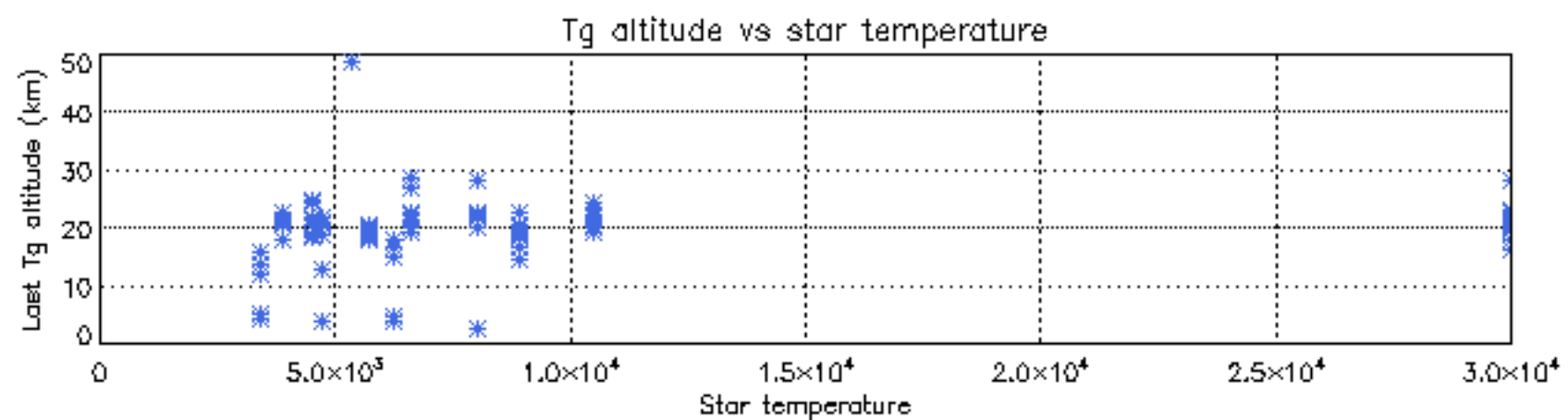
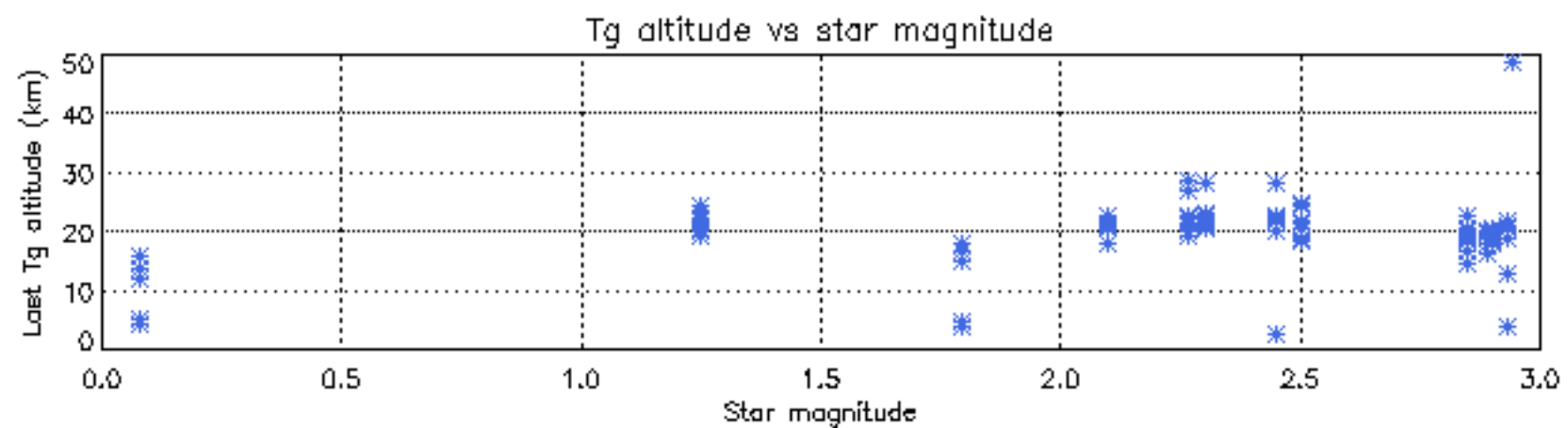
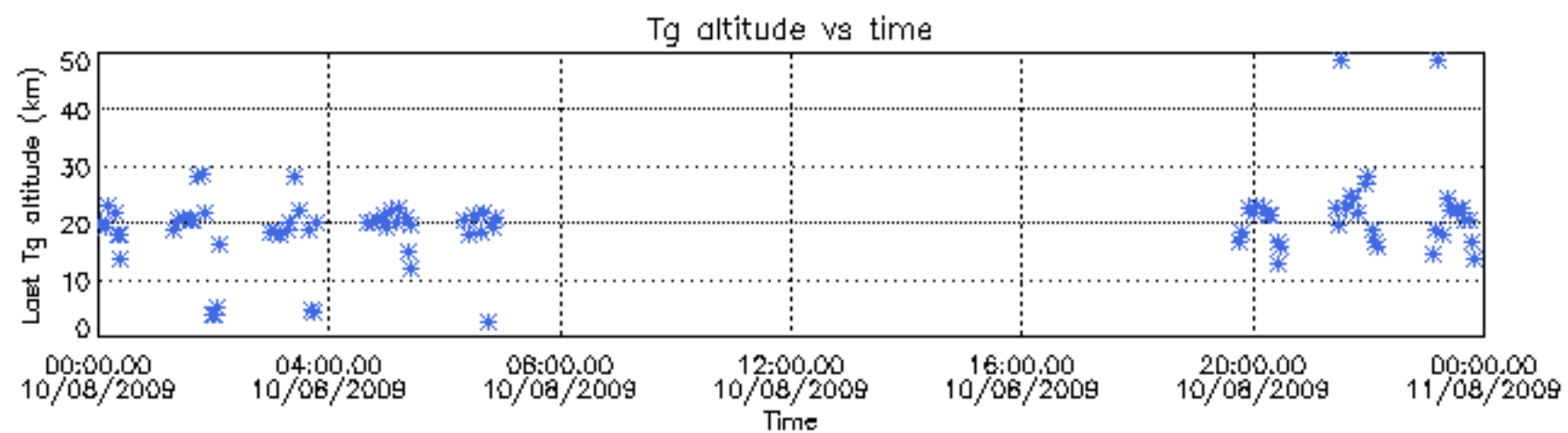
Percentage of saturation errors per profile



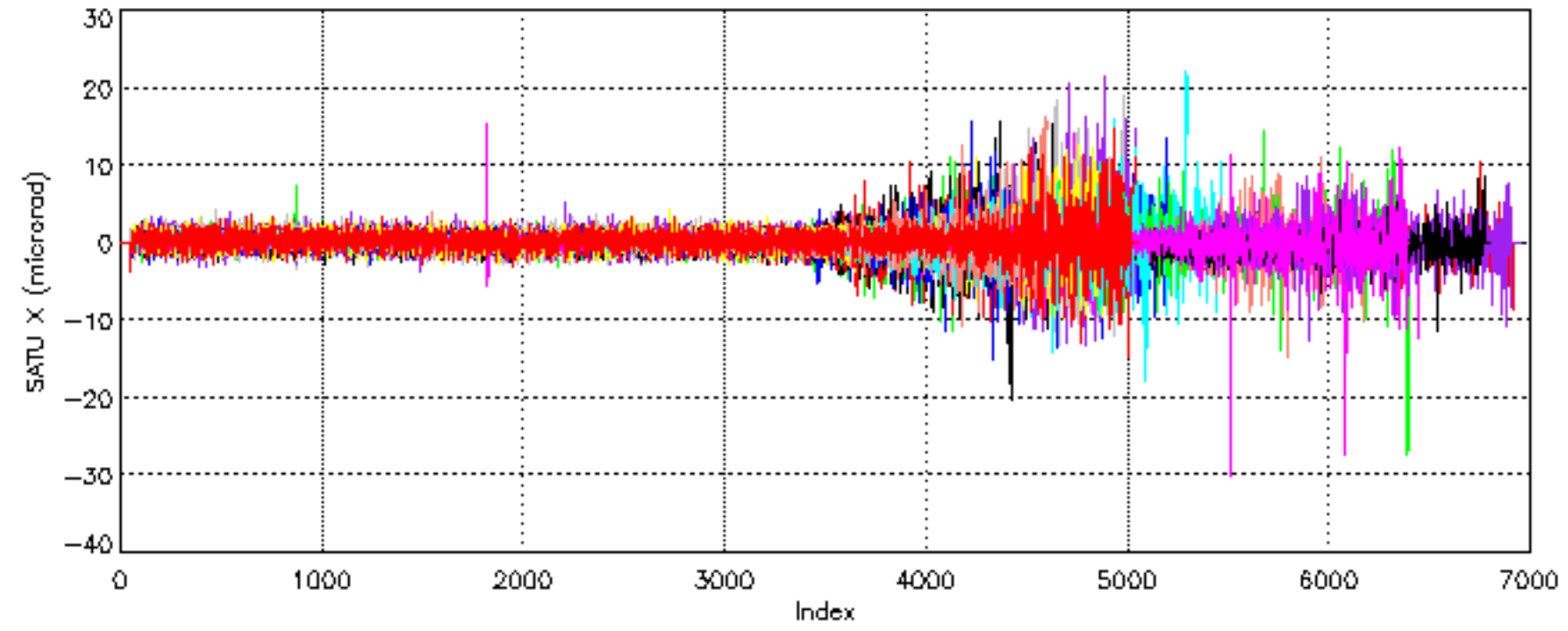
Tangent altitude at which the star is lost

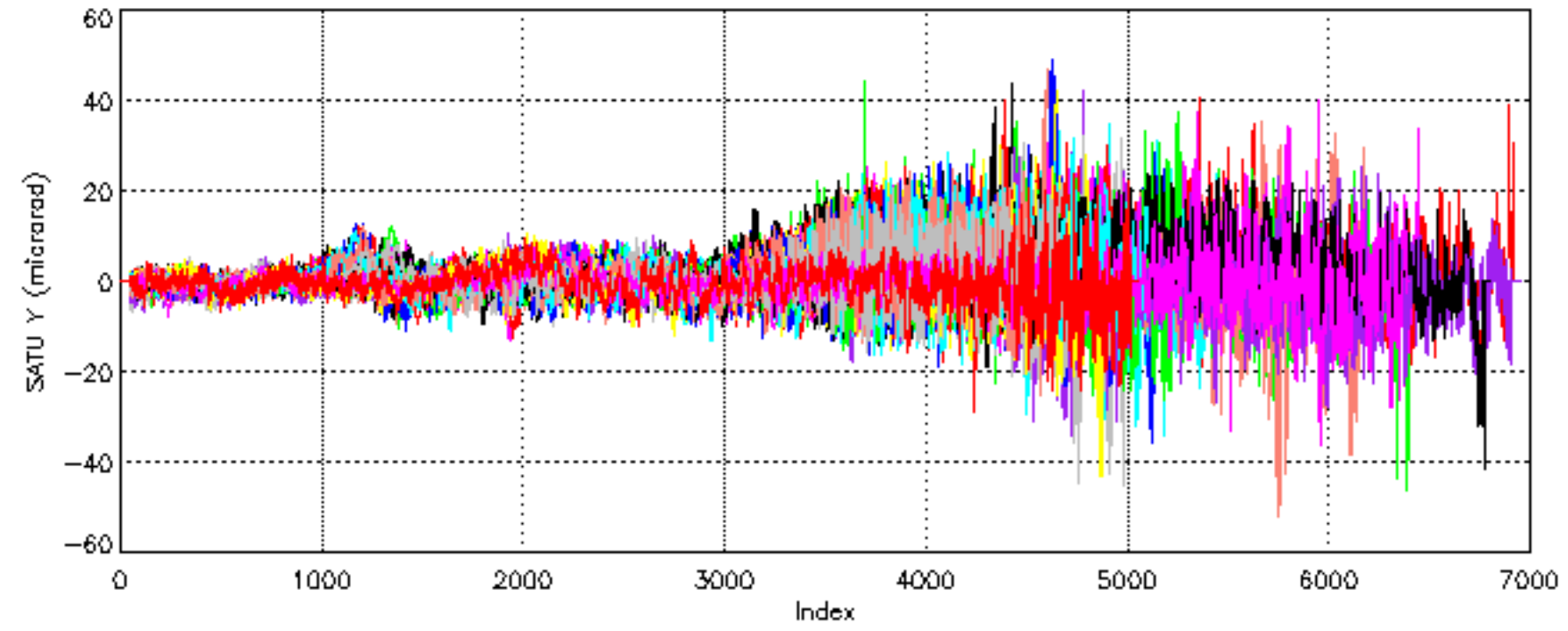


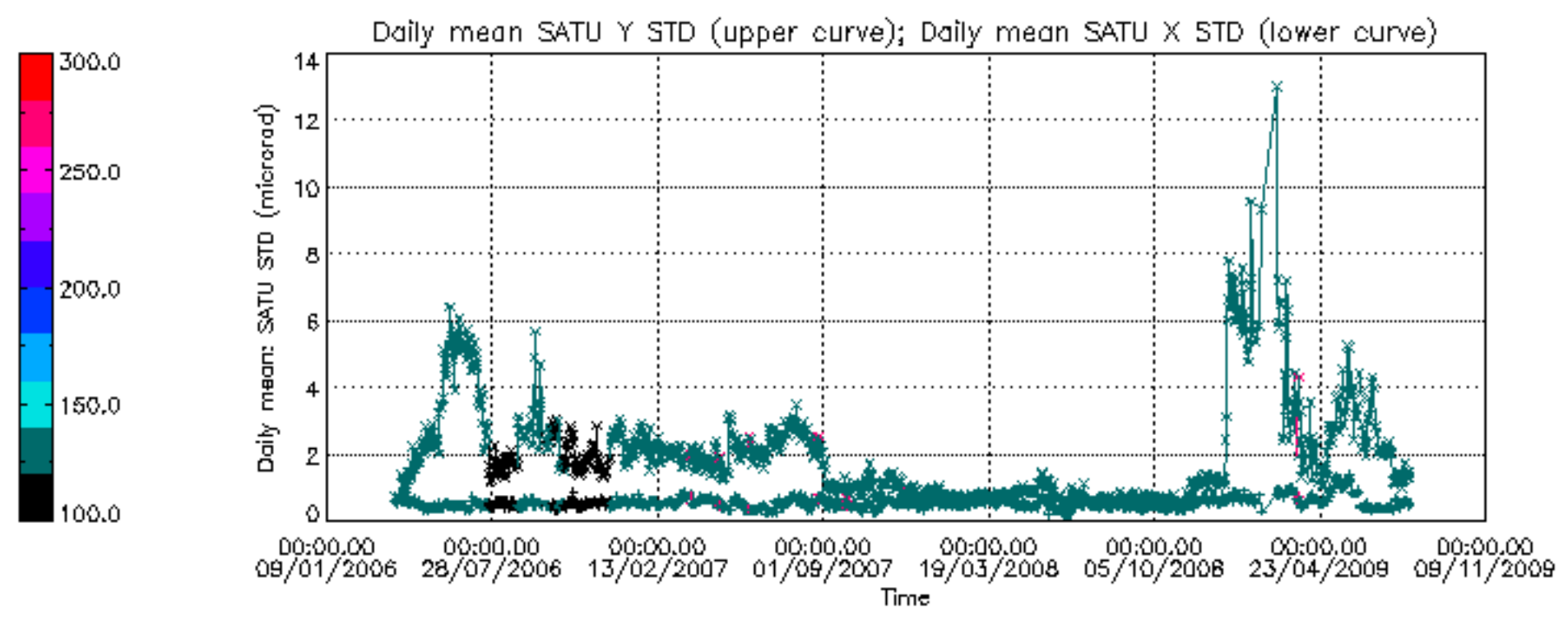
Tangent altitude at which the star is lost











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 18; 4310.5; 07-AUG-2009 00:17:27; Bright; 50.0; 149; 45Eps Per ; 2.89; 30000;occ; 100; 0;38876  
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8; 3532.7; 07-AUG-2009 08:27:28; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38881
9; 3942.8; 07-AUG-2009 08:34:18; Bright; 73.0; 160; 23Gam Per ; 2.93; 4700;occ; 146; 0;38881
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11; 4200.5; 07-AUG-2009 08:38:36; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38881
12; 4310.2; 07-AUG-2009 08:40:26; Bright; 52.5; 149; 45Eps Per ; 2.89; 30000;occ; 105; 0;38881
13; 4530.0; 07-AUG-2009 08:44:06; Dark ; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;38881

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 6; 3055.3; 07-AUG-2009 10:00:07; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38882  
 7; 3405.4; 07-AUG-2009 10:05:57; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38882  
 8; 3532.0; 07-AUG-2009 10:08:04; Bright; 72.0; 76; 27Gam Cas ; 2.30; 30000;occ; 144; 0;38882  
 9; 3942.2; 07-AUG-2009 10:14:54; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;38882  
 10; 4049.9; 07-AUG-2009 10:16:42; Bright; 53.0; 35; 33Alp Per ; 1.79; 6250;occ; 106; 0;38882  
 11; 4200.4; 07-AUG-2009 10:19:12; Bright; 46.5; 6; 13Alp Aur ; 0.08; 3400;occ; 93; 0;38882  
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 4; 2621.0; 07-AUG-2009 11:33:29; Bright; 38.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 76; 0;38883  
 5; 2728.7; 07-AUG-2009 11:35:16; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;38883  
 6; 3054.9; 07-AUG-2009 11:40:42; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;38883  
 7; 3404.6; 07-AUG-2009 11:46:32; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;38883  
 8; 3531.3; 07-AUG-2009 11:48:39; Bright; 72.0; 76; 27Gam Cas ; 2.30; 30000;occ; 144; 0;38883  
 9; 3941.6; 07-AUG-2009 11:55:29; Bright; 73.0; 160; 23Gam Per ; 2.93; 4700;occ; 146; 0;38883  
 10; 4049.5; 07-AUG-2009 11:57:17; Bright; 55.0; 35; 33Alp Per ; 1.79; 6250;occ; 110; 0;38883  
 11; 4200.4; 07-AUG-2009 11:59:48; Bright; 46.0; 6; 13Alp Aur ; 0.08; 3400;occ; 92; 0;38883  
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 3; 2167.3; 07-AUG-2009 13:06:31; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38884  
 4; 2537.7; 07-AUG-2009 13:12:41; Bright; 41.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 82; 0;38884  
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 6; 2728.4; 07-AUG-2009 13:15:52; Bright; 41.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 82; 0;38884  
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 8; 3403.9; 07-AUG-2009 13:27:07; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;38884  
 9; 3530.7; 07-AUG-2009 13:29:14; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;38884



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 3; 2166.8; 07-AUG-2009 14:47:06; Bright; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;38885
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 6; 2727.9; 07-AUG-2009 14:56:27; Bright; 38.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 77; 0;38885
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 8; 3403.2; 07-AUG-2009 15:07:42; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38885
 9; 3530.0; 07-AUG-2009 15:09:49; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38885
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 3; 1808.3; 07-AUG-2009 16:21:44; Bright; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;38886
 4; 2166.2; 07-AUG-2009 16:27:41; Bright; 53.0; 61; 8Eps Peg ; 2.10; 3900;occ; 106; 0;38886
 5; 2537.2; 07-AUG-2009 16:33:52; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 0;38886
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7; 2727.3; 07-AUG-2009 18:17:39; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;38887
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2; 1579.4; 07-AUG-2009 19:39:07; Bright; 48.0; 142; 49Del Cap ; 2.85; 8900;occ; 96; 0;38888
3; 1808.0; 07-AUG-2009 19:42:55; Bright; 47.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 94; 0;38888
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5; 2536.3; 07-AUG-2009 19:55:04; Bright; 39.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 79; 0;38888
6; 2619.7; 07-AUG-2009 19:56:27; Bright; 37.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 74; 0;38888
7; 2726.9; 07-AUG-2009 19:58:14; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;38888
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9; 3400.4; 07-AUG-2009 20:09:28; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;38888
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12; 4047.7; 07-AUG-2009 20:20:15; Bright; 54.0; 35; 33Alp Per ; 1.79; 6250;occ; 108; 0;38888
13; 4200.3; 07-AUG-2009 20:22:48; Bright; 58.0; 6; 13Alp Aur ; 0.08; 3400;occ; 116; 0;38888
14; 4309.6; 07-AUG-2009 20:24:37; Bright; 49.0; 149; 45Eps Per ; 2.89; 30000;occ; 98; 0;38888
15; 4531.2; 07-AUG-2009 20:28:18; Dark ; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;38888
16; 4662.1; 07-AUG-2009 20:30:29; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38888
17; 4832.6; 07-AUG-2009 20:33:20; Dark ; 61.0; 13; 87Alp Tau ; 0.87; 3800;occ; 122; 0;38888
18; 4947.3; 07-AUG-2009 20:35:15; Dark ; 45.5; 27; 24Gam Ori ; 1.64; 26000;occ; 91; 0;38888
19; 5222.4; 07-AUG-2009 20:39:50; Dark ; 54.0; 7; 19Bet Ori ; 0.10; 14000;occ; 108; 0;38888
20; 5807.6; 07-AUG-2009 20:49:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38888
21; 6112.1; 07-AUG-2009 20:54:39; Dark ; 48.0; 157; The1Eri ; 2.91; 9300;occ; 96; 0;38888
22; 6729.4; 07-AUG-2009 21:04:57; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;38888
23; 6942.3; 07-AUG-2009 21:08:30; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;38888
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3; 695.4; 08-AUG-2009 00:26:10; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;38891
4; 907.1; 08-AUG-2009 00:29:42; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;38891
5; 1195.7; 08-AUG-2009 00:34:31; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38891
6; 1579.6; 08-AUG-2009 00:40:54; Bright; 47.5; 142; 49Del Cap ; 2.85; 8900;occ; 95; 0;38891
7; 1807.7; 08-AUG-2009 00:44:43; Bright; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;38891
8; 2163.3; 08-AUG-2009 00:50:38; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38891
9; 2535.1; 08-AUG-2009 00:56:50; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38891
10; 2618.9; 08-AUG-2009 00:58:14; Bright; 39.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 79; 0;38891
11; 2725.8; 08-AUG-2009 01:00:01; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;38891
12; 3052.0; 08-AUG-2009 01:05:27; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;38891
13; 3398.0; 08-AUG-2009 01:11:13; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;38891
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15; 3937.8; 08-AUG-2009 01:20:13; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;38891
16; 4046.4; 08-AUG-2009 01:22:01; Bright; 50.5; 35; 33Alp Per ; 1.79; 6250;occ; 101; 0;38891
17; 4200.1; 08-AUG-2009 01:24:35; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;38891
18; 4309.0; 08-AUG-2009 01:26:24; Bright; 52.5; 149; 45Eps Per ; 2.89; 30000;occ; 105; 0;38891
19; 4531.5; 08-AUG-2009 01:30:06; Dark ; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;38891
20; 4662.5; 08-AUG-2009 01:32:17; Dark ; 42.5; 176; 23Zet Tau ; 3.02; 22000;occ; 85; 0;38891
21; 4834.0; 08-AUG-2009 01:35:09; Dark ; 60.0; 13; 87Alp Tau ; 0.87; 3800;occ; 120; 0;38891
22; 4948.5; 08-AUG-2009 01:37:03; Dark ; 46.0; 27; 24Gam Ori ; 1.64; 26000;occ; 92; 0;38891
23; 5224.2; 08-AUG-2009 01:41:39; Dark ; 31.5; 7; 19Bet Ori ; 0.10; 14000;occ; 63; 0;38891

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 3; 79.4; 08-AUG-2009 01:56:30; Dark ; 48.5; 157; The1Eri ; 2.91; 9300;occ; 97; 0;38892  
 4; 696.4; 08-AUG-2009 02:06:47; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;38892  
 5; 907.8; 08-AUG-2009 02:10:19; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;38892  
 6; 1196.2; 08-AUG-2009 02:15:07; Dark ; 59.0; 18; 24Alp PsA ; 1.17; 9700;occ; 118; 0;38892  
 7; 1579.9; 08-AUG-2009 02:21:31; Bright; 47.0; 142; 49Del Cap ; 2.85; 8900;occ; 94; 0;38892  
 8; 1807.5; 08-AUG-2009 02:25:18; Bright; 45.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 91; 0;38892  
 9; 2162.7; 08-AUG-2009 02:31:13; Bright; 52.5; 61; 8Eps Peg ; 2.10; 3900;occ; 105; 0;38892  
 10; 2534.7; 08-AUG-2009 02:37:25; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;38892  
 11; 2618.5; 08-AUG-2009 02:38:49; Bright; 37.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 75; 0;38892  
 12; 2725.5; 08-AUG-2009 02:40:36; Bright; 37.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 74; 0;38892  
 13; 3051.6; 08-AUG-2009 02:46:02; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;38892  
 14; 3397.0; 08-AUG-2009 02:51:48; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38892  
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 4;-1726.8; 08-AUG-2009 03:07:00; Bright; 54.0; 149; 45Eps Per ; 2.89; 30000;occ; 108; 0;38892  
 5;-1504.0; 08-AUG-2009 03:10:43; Dark ; 44.5; 28; 12Bet Tau ; 1.65; 15200;occ; 89; 0;38892  
 6;-1372.9; 08-AUG-2009 03:12:54; Dark ; 41.5; 176; 23Zet Tau ; 3.02; 22000;occ; 83; 0;38892  
 7;-1201.2; 08-AUG-2009 03:15:45; Dark ; 61.5; 13; 87Alp Tau ; 0.87; 3800;occ; 123; 0;38892  
 8;-1086.9; 08-AUG-2009 03:17:40; Dark ; 41.5; 27; 24Gam Ori ; 1.64; 26000;occ; 83; 0;38892  
 9; -811.1; 08-AUG-2009 03:22:16; Dark ; 53.5; 7; 19Bet Ori ; 0.10; 14000;occ; 107; 0;38892  
 10; -225.0; 08-AUG-2009 03:32:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38892  
 11; 80.7; 08-AUG-2009 03:37:07; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38893  
 12; 697.5; 08-AUG-2009 03:47:24; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;38893  
 13; 908.4; 08-AUG-2009 03:50:55; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;38893  
 14; 1197.0; 08-AUG-2009 03:55:44; Dark ; 58.5; 18; 24Alp PsA ; 1.17; 9700;occ; 117; 0;38893  
 15; 1580.1; 08-AUG-2009 04:02:07; Bright; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;38893  
 16; 1807.6; 08-AUG-2009 04:05:54; Bright; 46.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 92; 0;38893  
 17; 2162.2; 08-AUG-2009 04:11:49; Bright; 53.5; 61; 8Eps Peg ; 2.10; 3900;occ; 107; 0;38893  
 18; 2534.5; 08-AUG-2009 04:18:01; Bright; 41.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 82; 0;38893  
 19; 2618.5; 08-AUG-2009 04:19:25; Bright; 38.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 77; 0;38893  
 20; 2725.3; 08-AUG-2009 04:21:12; Bright; 39.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 78; 0;38893  
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 22; 3396.4; 08-AUG-2009 04:32:23; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;38893  
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 4;-1727.0; 08-AUG-2009 04:47:36; Bright; 53.5; 149; 45Eps Per ; 2.89; 30000;occ; 107; 0;38893  
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 8;-1086.6; 08-AUG-2009 04:58:16; Dark ; 47.0; 27; 24Gam Ori ; 1.64; 26000;occ; 94; 0;38893  
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 11; 81.7; 08-AUG-2009 05:17:44; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38894  
 12; 698.3; 08-AUG-2009 05:28:01; Dark ; 61.0; 84; Alp Phe ; 2.40; 4500;occ; 122; 0;38894  
 13; 908.9; 08-AUG-2009 05:31:32; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;38894  
 14; 1197.6; 08-AUG-2009 05:36:20; Dark ; 56.5; 18; 24Alp PsA ; 1.17; 9700;occ; 113; 0;38894  
 15; 1580.1; 08-AUG-2009 05:42:43; Bright; 66.0; 142; 49Del Cap ; 2.85; 8900;occ; 132; 0;38894  
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 19; 2618.0; 08-AUG-2009 06:00:01; Bright; 36.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 73; 0;38894  
 20; 2724.8; 08-AUG-2009 06:01:48; Bright; 41.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 82; 0;38894  
 21; 3051.0; 08-AUG-2009 06:07:14; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38894  
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 3; 1806.4; 08-AUG-2009 20:51:53; Bright; 46.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 92; 0;38903



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5; 2531.1; 08-AUG-2009 21:03:57; Bright; 38.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 77; 0;38903
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8; 3388.1; 08-AUG-2009 21:18:14; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38903
9; 3516.7; 08-AUG-2009 21:20:23; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38903
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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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17; 4953.8; 08-AUG-2009 21:44:20; Dark ; 46.0; 27; 24Gam Ori ; 1.64; 26000;occ; 92; 0;38903
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4; 92.6; 08-AUG-2009 22:03:55; Dark ; 47.5; 157; The1Eri ; 2.91; 9300;occ; 95; 0;38904
5; 707.9; 08-AUG-2009 22:14:10; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;38904
6; 914.1; 08-AUG-2009 22:17:36; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;38904
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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
13; 3047.5; 08-AUG-2009 22:53:10; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38904
14; 3387.4; 08-AUG-2009 22:58:49; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38904
15; 3516.1; 08-AUG-2009 23:00:58; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;38904
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18; 4199.7; 08-AUG-2009 23:12:22; Bright; 58.0; 6; 13Alp Aur ; 0.08; 3400;occ; 116; 0;38904
19; 4308.0; 08-AUG-2009 23:14:10; Bright; 52.0; 149; 45Eps Per ; 2.89; 30000;occ; 104; 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
23; 4954.2; 08-AUG-2009 23:24:56; Dark ; 46.0; 27; 24Gam Ori ; 1.64; 26000;occ; 92; 0;38904
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4; 94.0; 08-AUG-2009 23:44:32; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;38905
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6; 914.8; 08-AUG-2009 23:58:13; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;38905
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4; 108.0; 09-AUG-2009 21:32:33; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38918
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5; 922.0; 09-AUG-2009 23:26:43; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;38919  
6; 1210.8; 09-AUG-2009 23:31:32; Dark ; 58.0; 18; 24Alp PsA ; 1.17; 9700;occ; 116; 0;38919  
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5; 2719.9; 09-AUG-2009 08:51:18; Bright; 40.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 80; 0;38910  
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 23; 6962.2; 10-AUG-2009 12:51:35; Dark ; 46.0; 63; Bet Gru ; 2.15; 2800;occ; 92; 0;38926  
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 2; 1804.2; 10-AUG-2009 13:06:13; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38927  
 3; 2144.9; 10-AUG-2009 13:11:53; Bright; 48.5; 61; 8Eps Peg ; 2.10; 3900;occ; 97; 0;38927  
 4; 2523.0; 10-AUG-2009 13:18:11; Bright; 40.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 81; 0;38927  
 5; 2714.6; 10-AUG-2009 13:21:23; Bright; 39.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 79; 0;38927  
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 7; 3368.9; 10-AUG-2009 13:32:17; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;38927  
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 9; 3920.4; 10-AUG-2009 13:41:29; Bright; 50.5; 160; 23Gam Per ; 2.93; 4700;occ; 101; 0;38927  
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 11; 4198.8; 10-AUG-2009 13:46:07; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;38927  
 12; 4305.7; 10-AUG-2009 13:47:54; Bright; 44.0; 149; 45Eps Per ; 2.89; 30000;occ; 88; 0;38927  
 13; 4538.3; 10-AUG-2009 13:51:47; Dark ; 47.0; 28; 12Bet Tau ; 1.65; 15200;occ; 94; 0;38927  
 14; 4672.0; 10-AUG-2009 13:54:00; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38927  
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 16; 4964.9; 10-AUG-2009 13:58:53; Dark ; 47.0; 27; 24Gam Ori ; 1.64; 26000;occ; 94; 0;38927  
 17; 5072.4; 10-AUG-2009 14:00:41; Dark ; 40.5; 72; 34Del Ori ; 2.25; 30000;occ; 81; 0;38927

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22; 6766.5; 10-AUG-2009 14:28:55; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38927
23; 6962.8; 10-AUG-2009 14:32:11; Dark ; 46.0; 63; Bet Gru ; 2.15; 2800;occ; 92; 0;38927
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 9; 3498.3; 10-AUG-2009 15:15:03; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38928
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12; 4198.9; 10-AUG-2009 15:26:43; Bright; 48.0; 6; 13Alp Aur ; 0.08; 3400;occ; 96; 0;38928
13; 4305.5; 10-AUG-2009 15:28:30; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;38928
14; 4538.5; 10-AUG-2009 15:32:23; Dark ; 47.5; 28; 12Bet Tau ; 1.65; 15200;occ; 95; 0;38928
15; 4672.3; 10-AUG-2009 15:34:36; Dark ; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;38928
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17; 4965.5; 10-AUG-2009 15:39:30; Dark ; 42.5; 27; 24Gam Ori ; 1.64; 26000;occ; 85; 0;38928
18; 5073.0; 10-AUG-2009 15:41:17; Dark ; 44.0; 72; 34Del Ori ; 2.25; 30000;occ; 88; 0;38928
19; 5247.0; 10-AUG-2009 15:44:11; Dark ; 58.0; 7; 19Bet Ori ; 0.10; 14000;occ; 116; 0;38928
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22; 6156.1; 10-AUG-2009 15:59:20; Dark ; 49.5; 157; The1Eri ; 2.91; 9300;occ; 99; 0;38928
23; 6767.5; 10-AUG-2009 16:09:32; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;38928
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 5; 2144.2; 10-AUG-2009 16:33:04; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38929
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 7; 2714.0; 10-AUG-2009 16:42:34; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;38929
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 9; 3367.4; 10-AUG-2009 16:53:28; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38929
10; 3497.5; 10-AUG-2009 16:55:38; Bright; 50.0; 76; 27Gam Cas ; 2.30; 30000;occ; 100; 0;38929
11; 3919.5; 10-AUG-2009 17:02:40; Bright; 75.0; 160; 23Gam Per ; 2.93; 4700;occ; 150; 0;38929
12; 4031.6; 10-AUG-2009 17:04:32; Bright; 52.0; 35; 33Alp Per ; 1.79; 6250;occ; 104; 0;38929
13; 4198.8; 10-AUG-2009 17:07:19; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;38929
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 4;-1181.4; 10-AUG-2009 17:18:15; Dark ; 66.0; 13; 87Alp Tau ; 0.87; 3800;occ; 132; 0;38929
 5;-1070.0; 10-AUG-2009 17:20:06; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;38929
 6; -962.5; 10-AUG-2009 17:21:54; Dark ; 45.0; 72; 34Del Ori ; 2.25; 30000;occ; 90; 0;38929
 7; -788.4; 10-AUG-2009 17:24:48; Dark ; 50.0; 7; 19Bet Ori ; 0.10; 14000;occ; 100; 0;38929
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 9; -193.6; 10-AUG-2009 17:34:43; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38929
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11; 732.5; 10-AUG-2009 17:50:09; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;38930
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 3; 1804.2; 10-AUG-2009 16:27:24; Bright; 64.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 128; 0;38929
 4; 1946.3; 10-AUG-2009 16:29:46; Bright; 25.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 50; 0;38929
 5; 2144.2; 10-AUG-2009 16:33:04; Bright; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;38929
 6; 2522.5; 10-AUG-2009 16:39:23; Bright; 39.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 78; 0;38929
 7; 2714.0; 10-AUG-2009 16:42:34; Bright; 38.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 76; 0;38929

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 13; 4198.8; 10-AUG-2009 17:07:19; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;38929  
 14; 4305.5; 10-AUG-2009 17:09:06; Bright; 38.0; 149; 45Eps Per ; 2.89; 30000;occ; 76; 0;38929  
 15; 4538.6; 10-AUG-2009 17:12:59; Dark ; 47.5; 28; 12Bet Tau ; 1.65; 15200;occ; 95; 0;38929  
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 17; 4854.6; 10-AUG-2009 17:18:15; Dark ; 66.0; 13; 87Alp Tau ; 0.87; 3800;occ; 132; 0;38929  
 18; 4966.0; 10-AUG-2009 17:20:06; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;38929  
 19; 5073.5; 10-AUG-2009 17:21:54; Dark ; 45.0; 72; 34Del Ori ; 2.25; 30000;occ; 90; 0;38929  
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 24; 6768.5; 10-AUG-2009 17:50:09; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;38929  
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 4; 1945.9; 10-AUG-2009 18:10:22; Bright; 31.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 62; 0;38930  
 5; 2143.7; 10-AUG-2009 18:13:40; Bright; 60.0; 61; 8Eps Peg ; 2.10; 3900;occ; 120; 0;38930  
 6; 2522.1; 10-AUG-2009 18:19:58; Bright; 58.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 116; 0;38930  
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 12; 4031.1; 10-AUG-2009 18:45:07; Bright; 54.5; 35; 33Alp Per ; 1.79; 6250;occ; 109; 0;38930  
 13; 4198.6; 10-AUG-2009 18:47:55; Bright; 48.0; 6; 13Alp Aur ; 0.08; 3400;occ; 96; 0;38930  
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 13; 3363.2; 11-AUG-2009 01:16:23; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;38934  
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13; 738.1; 11-AUG-2009 03:53:50; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;38936
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13; 738.9; 11-AUG-2009 05:34:26; Dark ; 57.0; 84; Alp Phe ; 2.40; 4500;occ; 114; 0;38937
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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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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  
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6; 1224.8; 11-AUG-2009 22:28:32; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;38947  
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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  
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23; 5090.4; 11-AUG-2009 23:32:57; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;38947  
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6; 1585.7; 12-AUG-2009 00:15:09; Bright; 44.5; 142; 49Del Cap ; 2.85; 8900;occ; 89; 0;38948  
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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  
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17; 4097.8; 12-AUG-2009 00:57:01; Bright; 75.0; 175; 39Del Per ; 3.01; 19400;occ; 150; 0;38948  
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19; 4677.7; 12-AUG-2009 01:06:40; Dark ; 45.0; 176; 23Zet Tau ; 3.02; 22000;occ; 90; 0;38948  
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 18; 5619.8; 11-AUG-2009 08:36:23; Dark ; 62.5; 165; 34Gam Eri ; 2.95; 3200;occ; 125; 0;38938  
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 3; 2139.6; 11-AUG-2009 09:18:59; Bright; 47.5; 61; 8Eps Peg ; 2.10; 3900;occ; 95; 0;38939  
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 8; 3490.0; 11-AUG-2009 09:41:29; Bright; 48.5; 76; 27Gam Cas ; 2.30; 30000;occ; 97; 0;38939  
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 17; 5254.1; 11-AUG-2009 10:10:54; Dark ; 53.0; 7; 19Bet Ori ; 0.10; 14000;occ; 106; 0;38939  
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 22; 7257.3; 11-AUG-2009 10:44:17; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;38939  
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 3; 2139.2; 11-AUG-2009 10:59:35; Bright; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;38940



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6; 2710.6; 11-AUG-2009 14:30:18; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;38942
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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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11; 4100.0; 11-AUG-2009 14:53:27; Bright; 55.0; 175; 39Del Per ; 3.01; 19400;occ; 110; 0;38942
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 12; 3032.8; 12-AUG-2009 02:19:51; Bright; 35.0; 89; 5Alp Cep ; 2.45; 8000;occ; 70; 0;38949  
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 16; 1586.0; 12-AUG-2009 03:36:21; Bright; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;38950  
 17; 1802.6; 12-AUG-2009 03:39:57; Bright; 43.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 87; 0;38950  
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 21; 2708.4; 12-AUG-2009 03:55:03; Bright; 37.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 75; 0;38950  
 22; 3032.6; 12-AUG-2009 04:00:27; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;38950  
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 8; -943.7; 12-AUG-2009 04:34:47; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;38950  
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 22; 3032.4; 12-AUG-2009 05:41:03; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;38951  
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17; 1802.5; 12-AUG-2009 07:01:09; Bright; 44.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 89; 0;38952
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10; 2513.1; 12-AUG-2009 23:58:59; Bright; 36.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 73; 0;38962
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14; 4681.0; 12-AUG-2009 19:33:19; Dark ; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;38959
15; 4872.5; 12-AUG-2009 19:36:31; Dark ; 68.5; 13; 87Alp Tau ; 0.87; 3800;occ; 137; 0;38959
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22; 3338.6; 13-AUG-2009 05:14:32; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;38965
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6; 1800.9; 14-AUG-2009 00:56:05; Bright; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;38977
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9; 2509.2; 14-AUG-2009 01:07:54; Bright; 56.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 112; 0;38977
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5; 1801.0; 14-AUG-2009 05:57:53; Bright; 41.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 82; 0;38980
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 5; 3246.3; 21-AUG-2009 14:24:51; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39085
 6; 3380.3; 21-AUG-2009 14:27:05; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39085
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 8; 4372.6; 21-AUG-2009 14:43:37; Bright; 41.0; 107; 37The Aur ; 2.65; 11000;occ; 82; 0;39085
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 4; 2093.6; 21-AUG-2009 15:46:14; Bright; 60.0; 61; 8Eps Peg ; 2.10; 3900;occ; 120; 0;39086  
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 5; 2596.6; 21-AUG-2009 17:35:13; Bright; 49.5; 164; 44Eta Peg ; 2.95; 5400;occ; 99; 0;39087  
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 12; 4722.0; 21-AUG-2009 18:10:38; Dark ; 53.0; 176; 23Zet Tau ; 3.02; 22000;occ; 106; 0;39087  
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 11; 4479.3; 21-AUG-2009 19:47:12; Dark ; 59.0; 114; 3Iot Aur ; 2.69; 4600;occ; 118; 0;39088  
 12; 4570.0; 21-AUG-2009 19:48:42; Dark ; 56.0; 28; 12Bet Tau ; 1.65; 15200;occ; 112; 0;39088  
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 2; 1903.2; 23-AUG-2009 21:22:13; Bright; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;39118

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 6; 3355.6; 23-AUG-2009 21:46:26; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;39118  
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 8; 4374.2; 23-AUG-2009 22:03:24; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39118  
 9; 4652.8; 23-AUG-2009 22:08:03; Dark ; 48.0; 151; 13Mu Gem ; 2.89; 3000;occ; 96; 0;39118  
 10; 4752.1; 23-AUG-2009 22:09:42; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;39118  
 11; 4987.7; 23-AUG-2009 22:13:38; Dark ; 58.0; 14; 58Alp Ori ; 0.87; 3000;occ; 116; 0;39118  
 12; 5085.0; 23-AUG-2009 22:15:15; Dark ; 58.0; 27; 24Gam Ori ; 1.64; 26000;occ; 116; 0;39118  
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 6; 345.4; 23-AUG-2009 22:36:51; Dark ; 50.5; 157; The1Eri ; 2.91; 9300;occ; 101; 0;39119  
 7; 887.2; 23-AUG-2009 22:45:53; Dark ; 59.5; 84; Alp Phe ; 2.40; 4500;occ; 119; 0;39119  
 8; 1294.1; 23-AUG-2009 22:52:40; Dark ; 49.0; 18; 24Alp PsA ; 1.17; 9700;occ; 98; 0;39119  
 9; 1903.2; 23-AUG-2009 23:02:49; Bright; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;39119  
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 11; 2571.4; 23-AUG-2009 23:13:57; Bright; 65.0; 164; 44Eta Peg ; 2.95; 5400;occ; 130; 0;39119  
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 13; 3354.8; 23-AUG-2009 23:27:01; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39119  
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 17; 4752.4; 23-AUG-2009 23:50:18; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;39119  
 18; 4988.3; 23-AUG-2009 23:54:14; Dark ; 63.0; 14; 58Alp Ori ; 0.87; 3000;occ; 126; 0;39119  
 19; 5085.9; 23-AUG-2009 23:55:52; Dark ; 59.0; 27; 24Gam Ori ; 1.64; 26000;occ; 118; 0;39119  
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 4; 346.5; 24-AUG-2009 00:17:28; Dark ; 54.5; 157; The1Eri ; 2.91; 9300;occ; 109; 0;39120  
 5; 888.0; 24-AUG-2009 00:26:30; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;39120  
 6; 1294.4; 24-AUG-2009 00:33:16; Dark ; 51.0; 18; 24Alp PsA ; 1.17; 9700;occ; 102; 0;39120  
 7; 1902.8; 24-AUG-2009 00:43:25; Bright; 61.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 122; 0;39120  
 8; 2086.9; 24-AUG-2009 00:46:29; Bright; 42.5; 61; 8Eps Peg ; 2.10; 3900;occ; 85; 0;39120  
 9; 2570.7; 24-AUG-2009 00:54:33; Bright; 46.5; 164; 44Eta Peg ; 2.95; 5400;occ; 93; 0;39120  
 10; 3220.7; 24-AUG-2009 01:05:23; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39120  
 11; 3354.0; 24-AUG-2009 01:07:36; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39120  
 12; 4179.3; 24-AUG-2009 01:21:21; Bright; 53.5; 6; 13Alp Aur ; 0.08; 3400;occ; 107; 0;39120  
 13; 4374.2; 24-AUG-2009 01:24:36; Bright; 41.5; 107; 37The Aur ; 2.65; 11000;occ; 83; 0;39120  
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 16; 4989.2; 24-AUG-2009 01:34:51; Dark ; 66.0; 14; 58Alp Ori ; 0.87; 3000;occ; 132; 0;39120  
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 4; -472.0; 24-AUG-2009 01:44:26; Dark ; 52.0; 139; 9Bet Lep ; 2.83; 5600;occ; 104; 0;39120  
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 7; 888.6; 24-AUG-2009 02:07:06; Dark ; 60.0; 84; Alp Phe ; 2.40; 4500;occ; 120; 0;39121  
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 9; 1902.7; 24-AUG-2009 02:24:01; Bright; 42.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 84; 0;39121  
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 11; 2569.9; 24-AUG-2009 02:35:08; Bright; 48.0; 164; 44Eta Peg ; 2.95; 5400;occ; 96; 0;39121  
 12; 3219.9; 24-AUG-2009 02:45:58; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39121  
 13; 3353.4; 24-AUG-2009 02:48:11; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39121

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8; -712.2; 24-AUG-2009 03:21:02; Dark ; 50.0; 56; 53Kap Ori ; 2.07; 30000;occ; 100; 0;39121
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12; 349.1; 24-AUG-2009 03:38:43; Dark ; 53.5; 157; The1Eri ; 2.91; 9300;occ; 107; 0;39122
13; 889.4; 24-AUG-2009 03:47:43; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;39122
14; 1295.3; 24-AUG-2009 03:54:29; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;39122
15; 1902.9; 24-AUG-2009 04:04:37; Bright; 43.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 87; 0;39122
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3;-1381.7; 24-AUG-2009 06:31:04; Dark ; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;39123
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13; 5314.0; 25-AUG-2009 14:33:26; Dark ; 51.0; 125; 44Iot Ori ; 2.77; 30000;occ; 102; 0;39142
14; 5407.9; 25-AUG-2009 14:35:00; Dark ; 63.5; 128; 67Bet Eri ; 2.78; 9700;occ; 127; 0;39142
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13; 5123.5; 26-AUG-2009 22:21:38; Dark ; 63.5; 27; 24Gam Ori ; 1.64; 26000;occ; 127; 0;39161
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5; 3329.9; 26-AUG-2009 08:26:57; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;39153
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 2; 2082.0; 26-AUG-2009 13:07:57; Bright; 51.0; 61; 8Eps Peg ; 2.10; 3900;occ; 102; 0;39156  
 3; 2545.8; 26-AUG-2009 13:15:41; Bright; 44.5; 164; 44Eta Peg ; 2.95; 5400;occ; 89; 0;39156  
 4; 3195.3; 26-AUG-2009 13:26:30; Bright; 67.0; 74; 11Bet Cas ; 2.27; 6600;occ; 134; 0;39156  
 5; 4173.3; 26-AUG-2009 13:42:48; Bright; 56.0; 6; 13Alp Aur ; 0.08; 3400;occ; 112; 0;39156  
 6; 4375.9; 26-AUG-2009 13:46:11; Bright; 43.0; 107; 37The Aur ; 2.65; 11000;occ; 86; 0;39156  
 7; 4585.7; 26-AUG-2009 13:49:41; Dark ; 59.0; 28; 12Bet Tau ; 1.65; 15200;occ; 118; 0;39156  
 8; 4764.2; 26-AUG-2009 13:52:39; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;39156  
 9; 5011.4; 26-AUG-2009 13:56:46; Dark ; 58.5; 14; 58Alp Ori ; 0.87; 3000;occ; 117; 0;39156  
 10; 5118.6; 26-AUG-2009 13:58:34; Dark ; 62.5; 27; 24Gam Ori ; 1.64; 26000;occ; 125; 0;39156  
 11; 5236.0; 26-AUG-2009 14:00:31; Dark ; 56.5; 30; 46Eps Ori ; 1.69; 30000;occ; 113; 0;39156  
 12; 5352.6; 26-AUG-2009 14:02:28; Dark ; 52.0; 56; 53Kap Ori ; 2.07; 30000;occ; 104; 0;39156  
 13; 5451.6; 26-AUG-2009 14:04:07; Dark ; 67.5; 7; 19Bet Ori ; 0.10; 14000;occ; 135; 0;39156  
 14; 5598.3; 26-AUG-2009 14:06:33; Dark ; 54.0; 139; 9Bet Lep ; 2.83; 5600;occ; 108; 0;39156  
 15; 5714.3; 26-AUG-2009 14:08:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39156  
 16; 6428.2; 26-AUG-2009 14:20:23; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;39156  
 17; 6949.5; 26-AUG-2009 14:29:05; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;39156  
 18; 7342.6; 26-AUG-2009 14:35:38; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;39156

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 3; 2545.2; 26-AUG-2009 14:56:16; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39157  
 4; 3194.8; 26-AUG-2009 15:07:06; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39157  
 5; 3327.0; 26-AUG-2009 15:09:18; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39157  
 6; 4173.0; 26-AUG-2009 15:23:24; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;39157  
 7; 4375.9; 26-AUG-2009 15:26:47; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39157  
 8; 4586.0; 26-AUG-2009 15:30:17; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39157  
 9; 4764.6; 26-AUG-2009 15:33:16; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;39157  
 10; 5012.1; 26-AUG-2009 15:37:23; Dark ; 61.5; 14; 58Alp Ori ; 0.87; 3000;occ; 123; 0;39157  
 11; 5119.8; 26-AUG-2009 15:39:11; Dark ; 65.0; 27; 24Gam Ori ; 1.64; 26000;occ; 130; 0;39157  
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 13; 5353.7; 26-AUG-2009 15:43:05; Dark ; 53.0; 56; 53Kap Ori ; 2.07; 30000;occ; 106; 0;39157  
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 15; 5599.3; 26-AUG-2009 15:47:10; Dark ; 55.0; 139; 9Bet Lep ; 2.83; 5600;occ; 110; 0;39157  
 16; 5715.4; 26-AUG-2009 15:49:06; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39157  
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 3; 2545.2; 26-AUG-2009 14:56:16; Bright; 45.5; 164; 44Eta Peg ; 2.95; 5400;occ; 91; 0;39157  
 4; 3194.8; 26-AUG-2009 15:07:06; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;39157  
 5; 3327.0; 26-AUG-2009 15:09:18; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39157  
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 7; 4375.9; 26-AUG-2009 15:26:47; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39157  
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 16; 5715.4; 26-AUG-2009 15:49:06; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39157  
 17; 6429.4; 26-AUG-2009 16:01:00; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;39157  
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 5; 3194.1; 26-AUG-2009 16:47:41; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;39158  
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 8; 4376.1; 26-AUG-2009 17:07:23; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;39158  
 9; 4586.3; 26-AUG-2009 17:10:53; Dark ; 61.0; 28; 12Bet Tau ; 1.65; 15200;occ; 122; 0;39158  
 10; 4765.0; 26-AUG-2009 17:13:52; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;39158

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14; 5354.6; 26-AUG-2009 17:23:42; Dark ; 54.5; 56; 53Kap Ori ; 2.07; 30000;occ; 109; 0;39158
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16; 5600.5; 26-AUG-2009 17:27:47; Dark ; 49.5; 139; 9Bet Lep ; 2.83; 5600;occ; 99; 0;39158
17; 5716.4; 26-AUG-2009 17:29:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39158
18; 6430.5; 26-AUG-2009 17:41:38; Dark ; 55.5; 157; The1Eri ; 2.91; 9300;occ; 111; 0;39158
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 3; 2546.3; 26-AUG-2009 11:35:06; Bright; 46.0; 164; 44Eta Peg ; 2.95; 5400;occ; 92; 0;39155
 4; 3196.0; 26-AUG-2009 11:45:55; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;39155
 5; 3328.3; 26-AUG-2009 11:48:08; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39155
 6; 4173.3; 26-AUG-2009 12:02:13; Bright; 55.5; 6; 13Alp Aur ; 0.08; 3400;occ; 111; 0;39155
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 8; 4585.6; 26-AUG-2009 12:09:05; Dark ; 60.5; 28; 12Bet Tau ; 1.65; 15200;occ; 121; 0;39155
 9; 4763.8; 26-AUG-2009 12:12:03; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;39155
10; 5010.6; 26-AUG-2009 12:16:10; Dark ; 62.5; 14; 58Alp Ori ; 0.87; 3000;occ; 125; 0;39155
11; 5117.8; 26-AUG-2009 12:17:57; Dark ; 60.0; 27; 24Gam Ori ; 1.64; 26000;occ; 120; 0;39155
12; 5235.1; 26-AUG-2009 12:19:54; Dark ; 56.5; 30; 46Eps Ori ; 1.69; 30000;occ; 113; 0;39155
13; 5351.8; 26-AUG-2009 12:21:51; Dark ; 49.0; 56; 53Kap Ori ; 2.07; 30000;occ; 98; 0;39155
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16; 5713.3; 26-AUG-2009 12:27:53; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39155
17; 6426.9; 26-AUG-2009 12:39:46; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;39155
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19; 7342.3; 26-AUG-2009 12:55:02; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;39155
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 3; 2081.7; 26-AUG-2009 18:09:45; Bright; 38.5; 61; 8Eps Peg ; 2.10; 3900;occ; 77; 0;39159
 4; 2544.0; 26-AUG-2009 18:17:27; Bright; 44.5; 164; 44Eta Peg ; 2.95; 5400;occ; 89; 0;39159
 5; 3193.4; 26-AUG-2009 18:28:16; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;39159
 6; 3325.4; 26-AUG-2009 18:30:28; Bright; 47.5; 76; 27Gam Cas ; 2.30; 30000;occ; 95; 0;39159
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11; 5013.4; 26-AUG-2009 18:58:36; Dark ; 69.0; 14; 58Alp Ori ; 0.87; 3000;occ; 138; 0;39159
12; 5121.8; 26-AUG-2009 19:00:25; Dark ; 61.5; 27; 24Gam Ori ; 1.64; 26000;occ; 123; 0;39159
13; 5239.0; 26-AUG-2009 19:02:22; Dark ; 59.0; 30; 46Eps Ori ; 1.69; 30000;occ; 118; 0;39159
14; 5355.4; 26-AUG-2009 19:04:18; Dark ; 52.5; 56; 53Kap Ori ; 2.07; 30000;occ; 105; 0;39159
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16; 5601.4; 26-AUG-2009 19:08:24; Dark ; 50.5; 139; 9Bet Lep ; 2.83; 5600;occ; 101; 0;39159
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 3; 1899.3; 26-AUG-2009 19:47:18; Bright; 41.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 83; 0;39160
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 5; 2543.3; 26-AUG-2009 19:58:02; Bright; 45.0; 164; 44Eta Peg ; 2.95; 5400;occ; 90; 0;39160
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4; 3177.8; 28-AUG-2009 09:01:47; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39182
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8; 2251.0; 31-AUG-2009 22:16:52; Bright; 70.0; 90; 54Alp Peg ; 2.49; 11000;occ; 140; 0;39233
9; 2502.2; 31-AUG-2009 22:21:03; Bright; 43.5; 164; 44Eta Peg ; 2.95; 5400;occ; 87; 0;39233
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11; 3272.4; 31-AUG-2009 22:33:54; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;39233
12; 4156.1; 31-AUG-2009 22:48:37; Bright; 61.0; 6; 13Alp Aur ; 0.08; 3400;occ; 122; 0;39233
13; 4378.1; 31-AUG-2009 22:52:19; Bright; 48.0; 107; 37The Aur ; 2.65; 11000;occ; 96; 0;39233
14; 4686.4; 31-AUG-2009 22:57:28; Dark ; 51.5; 151; 13Mu Gem ; 2.89; 3000;occ; 103; 0;39233
15; 4791.8; 31-AUG-2009 22:59:13; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;39233
16; 5067.4; 31-AUG-2009 23:03:49; Dark ; 74.5; 14; 58Alp Ori ; 0.87; 3000;occ; 149; 0;39233
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5; 961.6; 31-AUG-2009 23:35:59; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;39234
6; 1329.5; 31-AUG-2009 23:42:07; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;39234
7; 2250.3; 31-AUG-2009 23:57:27; Bright; 47.0; 90; 54Alp Peg ; 2.49; 11000;occ; 94; 0;39234
8; 2501.6; 01-SEP-2009 00:01:39; Bright; 44.0; 164; 44Eta Peg ; 2.95; 5400;occ; 88; 0;39234
9; 3143.7; 01-SEP-2009 00:12:21; Bright; 41.5; 74; 11Bet Cas ; 2.27; 6600;occ; 83; 0;39234
10; 3271.6; 01-SEP-2009 00:14:29; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39234
11; 4155.9; 01-SEP-2009 00:29:13; Bright; 64.0; 6; 13Alp Aur ; 0.08; 3400;occ; 128; 0;39234
12; 4378.0; 01-SEP-2009 00:32:55; Bright; 47.5; 107; 37The Aur ; 2.65; 11000;occ; 95; 0;39234
13; 4686.7; 01-SEP-2009 00:38:04; Dark ; 54.5; 151; 13Mu Gem ; 2.89; 3000;occ; 109; 0;39234
14; 4792.4; 01-SEP-2009 00:39:49; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;39234
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3; -1352.6; 31-AUG-2009 06:11:25; Dark ; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;39223
4; -1247.7; 31-AUG-2009 06:13:10; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;39223
5; -976.6; 31-AUG-2009 06:17:41; Dark ; 73.5; 14; 58Alp Ori ; 0.87; 3000;occ; 147; 0;39223
6; -730.1; 31-AUG-2009 06:21:48; Dark ; 66.0; 30; 46Eps Ori ; 1.69; 30000;occ; 132; 0;39223
7; -594.0; 31-AUG-2009 06:24:04; Dark ; 47.0; 47; 2Bet CMA ; 1.98; 28000;occ; 94; 0;39223
8; -426.7; 31-AUG-2009 06:26:51; Dark ; 58.0; 101; 11Alp Lep ; 2.58; 7000;occ; 116; 0;39223
9; -250.2; 31-AUG-2009 06:29:48; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;39223
10; 474.1; 31-AUG-2009 06:41:52; Dark ; 56.5; 157; The1Eri ; 2.91; 9300;occ; 113; 0;39224
11; 955.8; 31-AUG-2009 06:49:54; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;39224
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3; 2506.7; 31-AUG-2009 07:15:45; Bright; 64.0; 164; 44Eta Peg ; 2.95; 5400;occ; 128; 0;39224
4; 3149.9; 31-AUG-2009 07:26:28; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39224
5; 3278.8; 31-AUG-2009 07:28:37; Bright; 44.5; 76; 27Gam Cas ; 2.30; 30000;occ; 89; 0;39224
6; 4158.4; 31-AUG-2009 07:43:16; Bright; 63.5; 6; 13Alp Aur ; 0.08; 3400;occ; 127; 0;39224
7; 4378.1; 31-AUG-2009 07:46:56; Bright; 47.5; 107; 37The Aur ; 2.65; 11000;occ; 95; 0;39224

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 11; 5307.1; 31-AUG-2009 08:02:25; Dark ; 64.0; 30; 46Eps Ori ; 1.69; 30000;occ; 128; 0;39224  
 12; 5442.8; 31-AUG-2009 08:04:41; Dark ; 46.0; 47; 2Bet CMA ; 1.98; 28000;occ; 92; 0;39224  
 13; 5610.4; 31-AUG-2009 08:07:28; Dark ; 53.5; 101; 11Alp Lep ; 2.58; 7000;occ; 107; 0;39224  
 14; 5786.8; 31-AUG-2009 08:10:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39224  
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 16; 6992.5; 31-AUG-2009 08:30:30; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;39224  
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 3; 2506.1; 31-AUG-2009 08:56:20; Bright; 64.0; 164; 44Eta Peg ; 2.95; 5400;occ; 128; 0;39225  
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 5; 3278.0; 31-AUG-2009 09:09:12; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;39225  
 6; 4158.2; 31-AUG-2009 09:23:52; Bright; 59.0; 6; 13Alp Aur ; 0.08; 3400;occ; 118; 0;39225  
 7; 4378.1; 31-AUG-2009 09:27:32; Bright; 50.0; 107; 37The Aur ; 2.65; 11000;occ; 100; 0;39225  
 8; 4683.9; 31-AUG-2009 09:32:38; Dark ; 61.0; 151; 13Mu Gem ; 2.89; 3000;occ; 122; 0;39225  
 9; 4788.9; 31-AUG-2009 09:34:23; Dark ; 51.5; 44; 24Gam Gem ; 1.93; 11000;occ; 103; 0;39225  
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 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  
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 16; 6993.1; 31-AUG-2009 10:11:07; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;39225  
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 3; 2505.7; 31-AUG-2009 10:36:55; Bright; 43.0; 164; 44Eta Peg ; 2.95; 5400;occ; 86; 0;39226  
 4; 3148.7; 31-AUG-2009 10:47:39; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;39226  
 5; 3277.3; 31-AUG-2009 10:49:47; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;39226  
 6; 4157.9; 31-AUG-2009 11:04:28; Bright; 59.5; 6; 13Alp Aur ; 0.08; 3400;occ; 119; 0;39226  
 7; 4378.2; 31-AUG-2009 11:08:08; Bright; 48.5; 107; 37The Aur ; 2.65; 11000;occ; 97; 0;39226  
 8; 4684.2; 31-AUG-2009 11:13:14; Dark ; 64.0; 151; 13Mu Gem ; 2.89; 3000;occ; 128; 0;39226  
 9; 4789.1; 31-AUG-2009 11:14:59; Dark ; 48.0; 44; 24Gam Gem ; 1.93; 11000;occ; 96; 0;39226  
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 11; 5309.1; 31-AUG-2009 11:23:39; Dark ; 63.0; 30; 46Eps Ori ; 1.69; 30000;occ; 126; 0;39226  
 12; 5444.1; 31-AUG-2009 11:25:54; Dark ; 47.5; 47; 2Bet CMA ; 1.98; 28000;occ; 95; 0;39226  
 13; 5612.7; 31-AUG-2009 11:28:42; Dark ; 55.5; 101; 11Alp Lep ; 2.58; 7000;occ; 111; 0;39226  
 14; 5789.0; 31-AUG-2009 11:31:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39226  
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 16; 6993.6; 31-AUG-2009 11:51:43; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;39226  
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 3; 2505.1; 31-AUG-2009 12:17:31; Bright; 41.0; 164; 44Eta Peg ; 2.95; 5400;occ; 82; 0;39227  
 4; 3148.2; 31-AUG-2009 12:28:14; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;39227  
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 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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 3; 3147.5; 31-AUG-2009 14:08:49; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;39228

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6; 4378.3; 31-AUG-2009 14:29:20; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;39228
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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
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11; 5445.8; 31-AUG-2009 14:47:07; Dark ; 46.5; 47; 2Bet CMA ; 1.98; 28000;occ; 93; 0;39228
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13; 5791.4; 31-AUG-2009 14:52:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;39228
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6; 4157.4; 31-AUG-2009 16:06:15; Bright; 58.5; 6; 13Alp Aur ; 0.08; 3400;occ; 117; 0;39229
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11; 5313.1; 31-AUG-2009 16:25:30; Dark ; 65.0; 30; 46Eps Ori ; 1.69; 30000;occ; 130; 0;39229
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3; 2503.7; 31-AUG-2009 17:19:17; Bright; 64.0; 164; 44Eta Peg ; 2.95; 5400;occ; 128; 0;39230
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1; 1328.7; 31-AUG-2009 18:40:18; Dark ; 45.0; 18; 24Alp PsA ; 1.17; 9700;occ; 90; 0;39231
2; 2252.0; 31-AUG-2009 18:55:41; Bright; 48.5; 90; 54Alp Peg ; 2.49; 11000;occ; 97; 0;39231
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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