

# GOMOS Daily Report 03-JAN-2010

## 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	05JAN2010 04:37:42
Data source version	GOMOS/5.00L04
Start time of products	03JAN2010 00:01:24
Stop time of products	03JAN2010 23:59:27
Store outputs in DB	Yes
Nb of level 1b prods	181
Nb of prods with errors	0

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

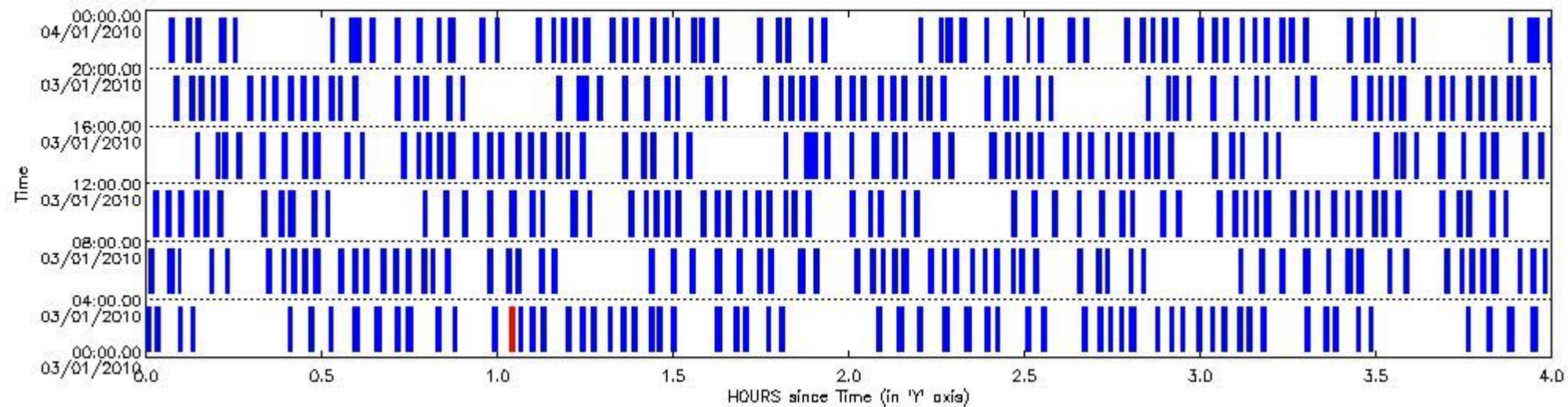
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
03-JAN-2010 01:02:01	ZetCen	95	41009

### 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_1PNPDE20100103_000124_000000482085_00374_41009_2255.N1	03-JAN-2010 00:01:24	Bright	47.500	151	13Mu Gem	2.8900	3000.0	95	41009	No
2	GOM_TRA_1PNPDE20100103_000525_000000392085_00374_41009_2256.N1	03-JAN-2010 00:05:25	Bright	38.500	107	37The Aur	2.6490	11000.	77	41009	No
3	GOM_TRA_1PNPDE20100103_000735_000000402085_00374_41009_2257.N1	03-JAN-2010 00:07:35	Bright	40.000	6	13Alp Aur	0.080000	3400.0	80	41009	No
4	GOM_TRA_1PNPDE20100103_002413_000000352085_00374_41009_2258.N1	03-JAN-2010 00:24:13	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	41009	No
5	GOM_TRA_1PNPDE20100103_002745_000000492085_00374_41009_2259.N1	03-JAN-2010 00:27:45	Bright	49.000	32	77Eps UMa	1.7630	11000.	98	41009	No
6	GOM_TRA_1PNPDE20100103_003108_000000462085_00374_41009_2260.N1	03-JAN-2010 00:31:08	Bright	45.500	39	85Eta UMa	1.8540	24000.	91	41009	No
7	GOM_TRA_1PNPDE20100103_003518_000000632085_00374_41009_2261.N1	03-JAN-2010 00:35:18	Bright	63.000	180	27Gam Boo	3.0400	8000.0	126	41009	No
8	GOM_TRA_1PNPDE20100103_003905_000000632085_00374_41009_2262.N1	03-JAN-2010 00:39:05	Bright	63.000	83		2.3780	11000.	126	41009	No
9	GOM_TRA_1PNPDE20100103_004228_000000572085_00374_41009_2263.N1	03-JAN-2010 00:42:28	Bright	56.500	3	16Alp Boo	-0.050000	4250.0	113	41009	No
10	GOM_TRA_1PNPDE20100103_004424_000000542085_00374_41009_2264.N1	03-JAN-2010 00:44:24	Bright	54.000	102	24Alp Ser	2.6000	4250.0	108	41009	No

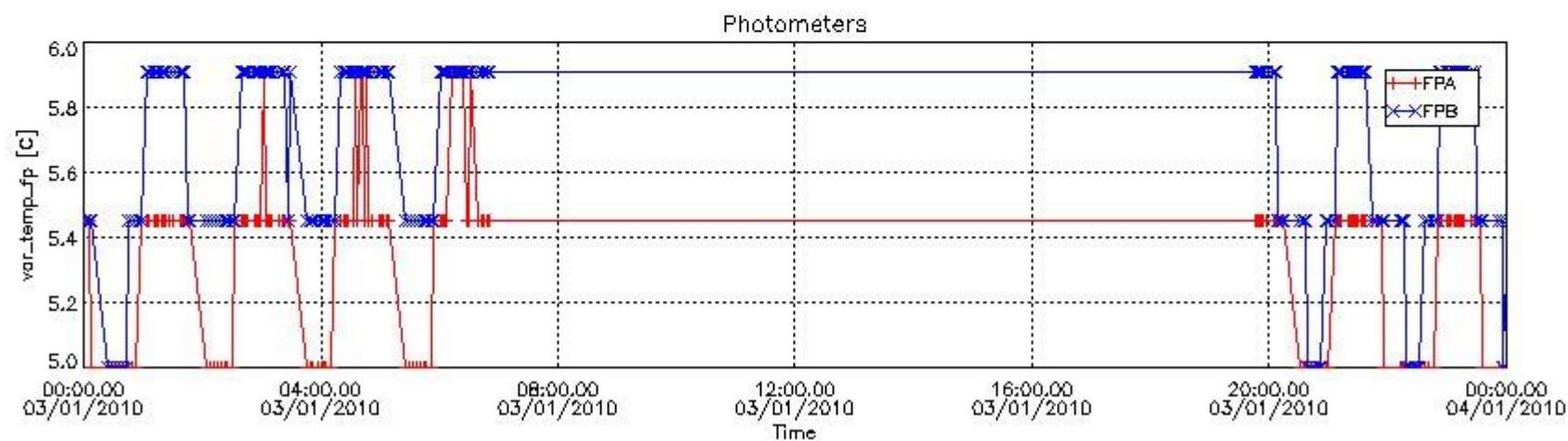
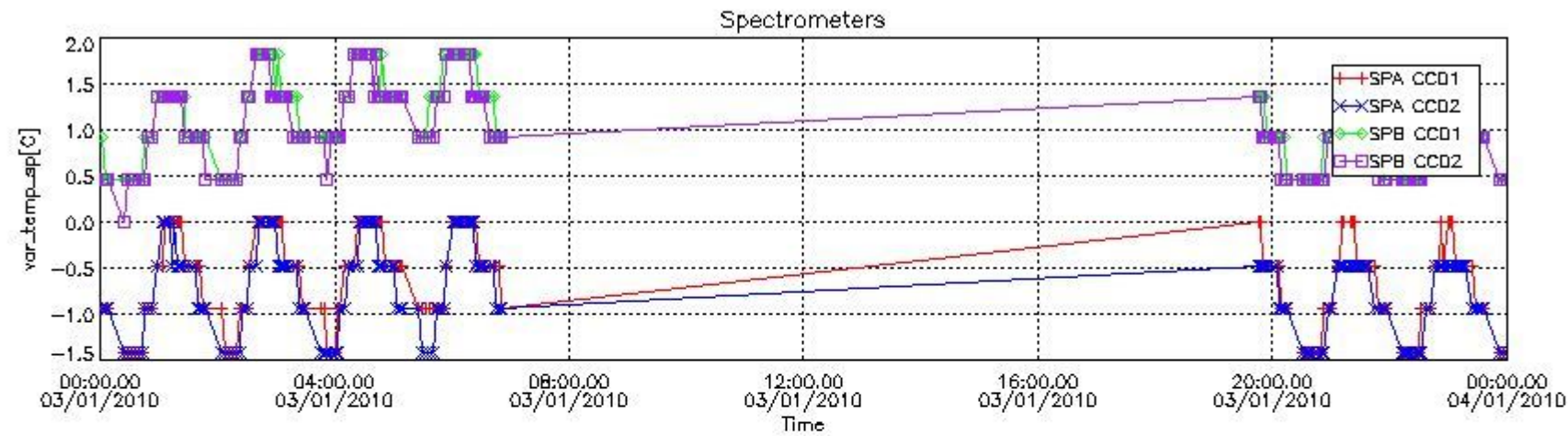
11	GOM_TRA_1PNPDE20100103_004933_000000362085_00374_41009_2265.N1	03-JAN-2010 00:49:33	Bright	36.000	104	27Bet Lib	2.6140	13100.	72	41009	No
12	GOM_TRA_1PNPDE20100103_005216_000000442085_00374_41009_2257.N1	03-JAN-2010 00:52:16	Tw_i_and_stray	44.000	122	9Alp2Lib	2.7470	9700.0	88	41009	No
13	GOM_TRA_1PNPDE20100103_005913_000000472085_00374_41009_2258.N1	03-JAN-2010 00:59:13	Dark	47.000	54	5The Cen	2.0550	4500.0	94	41009	No
14	GOM_TRA_1PNPDE20100103_010338_000000402085_00375_41010_2259.N1	03-JAN-2010 01:03:38	Dark	40.000	77	Eps Cen	2.3030	28000.	80	41010	No
15	GOM_TRA_1PNPDE20100103_010531_000000492085_00375_41010_2260.N1	03-JAN-2010 01:05:31	Dark	49.000	64	Gam Cen	2.2000	10600.	98	41010	No
16	GOM_TRA_1PNPDE20100103_011143_000000452085_00375_41010_2261.N1	03-JAN-2010 01:11:43	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	41010	No
17	GOM_TRA_1PNPDE20100103_011406_000000482085_00375_41010_2262.N1	03-JAN-2010 01:14:06	Dark	47.500	71	lot Car	2.2460	7700.0	95	41010	No
18	GOM_TRA_1PNPDE20100103_011601_000000422085_00375_41010_2263.N1	03-JAN-2010 01:16:01	Dark	41.500	46	Del Vel	1.9540	10600.	83	41010	No
19	GOM_TRA_1PNPDE20100103_011852_000000432085_00375_41010_2264.N1	03-JAN-2010 01:18:52	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41010	No
20	GOM_TRA_1PNPDE20100103_012103_000000452085_00375_41010_2265.N1	03-JAN-2010 01:21:03	Dark	45.000	70	Zet Pup	2.2460	39000.	90	41010	No
21	GOM_TRA_1PNPDE20100103_012304_000000462085_00375_41010_2266.N1	03-JAN-2010 01:23:04	Dark	46.000	117	Pi Pup	2.7060	3800.0	92	41010	No
22	GOM_TRA_1PNPDE20100103_012549_000000462085_00375_41010_2267.N1	03-JAN-2010 01:25:49	Straylight	45.500	23	21Eps CMa	1.5020	26000.	91	41010	No
23	GOM_TRA_1PNPDE20100103_012720_000000442085_00375_41010_2268.N1	03-JAN-2010 01:27:20	Straylight	44.000	179	24Omi2CMa	3.0320	24000.	88	41010	No
24	GOM_TRA_1PNPDE20100103_012946_000000482085_00375_41010_2269.N1	03-JAN-2010 01:29:46	Straylight	47.500	1	9Alp CMa	-1.4400	11000.	95	41010	No
25	GOM_TRA_1PNPDE20100103_013712_000000532085_00375_41010_2270.N1	03-JAN-2010 01:37:12	Tw_i_and_stray	52.500	14	58Alp Ori	0.87000	3000.0	105	41010	No
26	GOM_TRA_1PNPDE20100103_014021_000000522085_00375_41010_2271.N1	03-JAN-2010 01:40:21	Bright	52.000	44	24Gam Gem	1.9280	11000.	104	41010	No
27	GOM_TRA_1PNPDE20100103_014200_000000492085_00375_41010_2272.N1	03-JAN-2010 01:42:00	Bright	48.500	151	13Mu Gem	2.8900	3000.0	97	41010	No
28	GOM_TRA_1PNPDE20100103_014601_000000382085_00375_41010_2273.N1	03-JAN-2010 01:46:01	Bright	38.000	107	37The Aur	2.6490	11000.	76	41010	No
29	GOM_TRA_1PNPDE20100103_014811_000000442085_00375_41010_2274.N1	03-JAN-2010 01:48:11	Bright	43.500	6	13Alp Aur	0.080000	3400.0	87	41010	No
30	GOM_TRA_1PNPDE20100103_020449_000000392085_00375_41010_2275.N1	03-JAN-2010 02:04:49	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	41010	No
31	GOM_TRA_1PNPDE20100103_020820_000000492085_00375_41010_2276.N1	03-JAN-2010 02:08:20	Bright	49.000	32	77Eps UMa	1.7630	11000.	98	41010	No
32	GOM_TRA_1PNPDE20100103_021143_000000442085_00375_41010_2282.N1	03-JAN-2010 02:11:43	Bright	43.500	39	85Eta UMa	1.8540	24000.	87	41010	No
33	GOM_TRA_1PNPDE20100103_021554_000000632085_00375_41010_2283.N1	03-JAN-2010 02:15:54	Bright	63.000	180	27Gam Boo	3.0400	8000.0	126	41010	No
34	GOM_TRA_1PNPDE20100103_021941_000000632085_00375_41010_2284.N1	03-JAN-2010 02:19:41	Bright	63.000	83		2.3780	11000.	126	41010	No
35	GOM_TRA_1PNPDE20100103_022305_000000562085_00375_41010_2285.N1	03-JAN-2010 02:23:05	Bright	56.000	3	16Alp Boo	-0.050000	4250.0	112	41010	No
36	GOM_TRA_1PNPDE20100103_022500_000000362085_00375_41010_2286.N1	03-JAN-2010 02:25:00	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	41010	No
37	GOM_TRA_1PNPDE20100103_023009_000000572085_00375_41010_2287.N1	03-JAN-2010 02:30:09	Bright	57.000	104	27Bet Lib	2.6140	13100.	114	41010	No
38	GOM_TRA_1PNPDE20100103_023252_000000472085_00375_41010_2288.N1	03-JAN-2010 02:32:52	Tw_i_and_stray	46.500	122	9Alp2Lib	2.7470	9700.0	93	41010	No
39	GOM_TRA_1PNPDE20100103_023949_000000482085_00375_41010_2289.N1	03-JAN-2010 02:39:49	Dark	47.500	54	5The Cen	2.0550	4500.0	95	41010	No
40	GOM_TRA_1PNPDE20100103_024232_000000392085_00375_41010_2290.N1	03-JAN-2010 02:42:32	Dark	38.500	95	Zet Cen	2.5450	26000.	77	41010	No
41	GOM_TRA_1PNPDE20100103_024415_000000392085_00376_41011_2291.N1	03-JAN-2010 02:44:15	Dark	38.500	77	Eps Cen	2.3030	28000.	77	41011	No
42	GOM_TRA_1PNPDE20100103_024607_000000432085_00376_41011_2292.N1	03-JAN-2010 02:46:07	Dark	42.500	64	Gam Cen	2.2000	10600.	85	41011	No
43	GOM_TRA_1PNPDE20100103_025219_000000452085_00376_41011_2293.N1	03-JAN-2010 02:52:19	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	41011	No
44	GOM_TRA_1PNPDE20100103_025443_000000462085_00376_41011_2294.N1	03-JAN-2010 02:54:43	Dark	46.000	71	lot Car	2.2460	7700.0	92	41011	No
45	GOM_TRA_1PNPDE20100103_025637_000000432085_00376_41011_2295.N1	03-JAN-2010 02:56:37	Dark	42.500	46	Del Vel	1.9540	10600.	85	41011	No
46	GOM_TRA_1PNPDE20100103_025928_000000472085_00376_41011_2296.N1	03-JAN-2010 02:59:28	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	41011	No
47	GOM_TRA_1PNPDE20100103_030139_000000472085_00376_41011_2297.N1	03-JAN-2010 03:01:39	Dark	46.500	70	Zet Pup	2.2460	39000.	93	41011	No
48	GOM_TRA_1PNPDE20100103_030340_000000472085_00376_41011_2298.N1	03-JAN-2010 03:03:40	Dark	47.000	117	Pi Pup	2.7060	3800.0	94	41011	No
49	GOM_TRA_1PNPDE20100103_030625_000000462085_00376_41011_2299.N1	03-JAN-2010 03:06:25	Straylight	45.500	23	21Eps CMa	1.5020	26000.	91	41011	No
50	GOM_TRA_1PNPDE20100103_030757_000000442085_00376_41011_2300.N1	03-JAN-2010 03:07:57	Straylight	44.000	179	24Omi2CMa	3.0320	24000.	88	41011	No
51	GOM_TRA_1PNPDE20100103_031022_000000492085_00376_41011_2301.N1	03-JAN-2010 03:10:22	Straylight	49.000	1	9Alp CMa	-1.4400	11000.	98	41011	No
52	GOM_TRA_1PNPDE20100103_031748_000000492085_00376_41011_2302.N1	03-JAN-2010 03:17:48	Tw_i_and_stray	49.000	14	58Alp Ori	0.87000	3000.0	98	41011	No
53	GOM_TRA_1PNPDE20100103_032056_000000502085_00376_41011_2303.N1	03-JAN-2010 03:20:56	Bright	50.000	44	24Gam Gem	1.9280	11000.	100	41011	No
54	GOM_TRA_1PNPDE20100103_032235_000000472085_00376_41011_2304.N1	03-JAN-2010 03:22:35	Bright	47.000	151	13Mu Gem	2.8900	3000.0	94	41011	No
55	GOM_TRA_1PNPDE20100103_032636_000000392085_00376_41011_2305.N1	03-JAN-2010 03:26:36	Bright	39.000	107	37The Aur	2.6490	11000.	78	41011	No
56	GOM_TRA_1PNPDE20100103_032847_000000422085_00376_41011_2306.N1	03-JAN-2010 03:28:47	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	41011	No
57	GOM_TRA_1PNPDE20100103_034524_000000422085_00376_41011_2302.N1	03-JAN-2010 03:45:24	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41011	No
58	GOM_TRA_1PNPDE20100103_034855_000000462085_00376_41011_2303.N1	03-JAN-2010 03:48:55	Bright	45.500	32	77Eps UMa	1.7630	11000.	91	41011	No
59	GOM_TRA_1PNPDE20100103_035219_000000672085_00376_41011_2304.N1	03-JAN-2010 03:52:19	Bright	67.000	39	85Eta UMa	1.8540	24000.	134	41011	No
60	GOM_TRA_1PNPDE20100103_035630_000000602085_00376_41011_2305.N1	03-JAN-2010 03:56:30	Bright	60.000	180	27Gam Boo	3.0400	8000.0	120	41011	No
61	GOM_TRA_1PNPDE20100103_040017_000000552085_00376_41011_2306.N1	03-JAN-2010 04:00:17	Bright	54.500	83		2.3780	11000.	109	41011	No
62	GOM_TRA_1PNPDE20100103_040341_000000572085_00376_41011_2307.N1	03-JAN-2010 04:03:41	Bright	56.500	3	16Alp Boo	-0.050000	4250.0	113	41011	No
63	GOM_TRA_1PNPDE20100103_040537_000000192085_00376_41011_2308.N1	03-JAN-2010 04:05:37	Tw_i_and_stray	18.500	102	24Alp Ser	2.6000	4250.0	37	41011	No
64	GOM_TRA_1PNPDE20100103_041045_000000412085_00376_41011_2309.N1	03-JAN-2010 04:10:45	Bright	41.000	104	27Bet Lib	2.6140	13100.	82	41011	No
65	GOM_TRA_1PNPDE20100103_041329_000000442085_00376_41011_2310.N1	03-JAN-2010 04:13:29	Tw_i_and_stray	44.000	122	9Alp2Lib	2.7470	9700.0	88	41011	No
66	GOM_TRA_1PNPDE20100103_042026_000000492085_00376_41011_2311.N1	03-JAN-2010 04:20:26	Dark	48.500	54	5The Cen	2.0550	4500.0	97	41011	No
67	GOM_TRA_1PNPDE20100103_042309_000000422085_00376_41011_2312.N1	03-JAN-2010 04:23:09	Dark	42.000	95	Zet Cen	2.5450	26000.	84	41011	No
68	GOM_TRA_1PNPDE20100103_042451_000000402085_00377_41012_2313.N1	03-JAN-2010 04:24:51	Dark	39.500	77	Eps Cen	2.3030	28000.	79	41012	No
69	GOM_TRA_1PNPDE20100103_042644_000000442085_00377_41012_2314.N1	03-JAN-2010 04:26:44	Dark	43.500	64	Gam Cen	2.2000	10600.	87	41012	No



70	GOM_TRA_1PNPDE20100103_043256_000000462085_00377_41012_2315.N1	03-JAN-2010 04:32:56	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	41012	No
71	GOM_TRA_1PNPDE20100103_043520_000000452085_00377_41012_2316.N1	03-JAN-2010 04:35:20	Dark	44.500	71	lot Car	2.2460	7700.0	89	41012	No
72	GOM_TRA_1PNPDE20100103_043714_000000422085_00377_41012_2317.N1	03-JAN-2010 04:37:14	Dark	42.000	46	Del Vel	1.9540	10600.	84	41012	No
73	GOM_TRA_1PNPDE20100103_044004_000000432085_00377_41012_2318.N1	03-JAN-2010 04:40:04	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41012	No
74	GOM_TRA_1PNPDE20100103_044216_000000472085_00377_41012_2319.N1	03-JAN-2010 04:42:16	Dark	47.000	70	Zet Pup	2.2460	39000.	94	41012	No
75	GOM_TRA_1PNPDE20100103_044416_000000472085_00377_41012_2320.N1	03-JAN-2010 04:44:16	Dark	46.500	117	Pi Pup	2.7060	3800.0	93	41012	No
76	GOM_TRA_1PNPDE20100103_044702_000000462085_00377_41012_2321.N1	03-JAN-2010 04:47:02	Straylight	46.000	23	21Eps CMa	1.5020	26000.	92	41012	No
77	GOM_TRA_1PNPDE20100103_044833_000000452085_00377_41012_2322.N1	03-JAN-2010 04:48:33	Straylight	44.500	179	24Omi2CMa	3.0320	24000.	89	41012	No
78	GOM_TRA_1PNPDE20100103_045058_000000502085_00377_41012_2323.N1	03-JAN-2010 04:50:58	Straylight	50.000	1	9Alp CMa	-1.4400	11000.	100	41012	No
79	GOM_TRA_1PNPDE20100103_045824_000000482085_00377_41012_2324.N1	03-JAN-2010 04:58:24	Tw_i_and_stray	47.500	14	58Alp Ori	0.87000	3000.0	95	41012	No
80	GOM_TRA_1PNPDE20100103_050132_000000512085_00377_41012_2325.N1	03-JAN-2010 05:01:32	Bright	51.000	44	24Gam Gem	1.9280	11000.	102	41012	No
81	GOM_TRA_1PNPDE20100103_050311_000000462085_00377_41012_2326.N1	03-JAN-2010 05:03:11	Bright	45.500	151	13Mu Gem	2.8900	3000.0	91	41012	No
82	GOM_TRA_1PNPDE20100103_050712_000000392085_00377_41012_2327.N1	03-JAN-2010 05:07:12	Bright	39.000	107	37The Aur	2.6490	11000.	78	41012	No
83	GOM_TRA_1PNPDE20100103_050923_000000422085_00377_41012_2328.N1	03-JAN-2010 05:09:23	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	41012	No
84	GOM_TRA_1PNPDE20100103_052600_000000392085_00377_41012_2327.N1	03-JAN-2010 05:26:00	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	41012	No
85	GOM_TRA_1PNPDE20100103_052931_000000502085_00377_41012_2328.N1	03-JAN-2010 05:29:31	Bright	49.500	32	77Eps UMa	1.7630	11000.	99	41012	No
86	GOM_TRA_1PNPDE20100103_053255_000000492085_00377_41012_2329.N1	03-JAN-2010 05:32:55	Bright	49.000	39	85Eta UMa	1.8540	24000.	98	41012	No
87	GOM_TRA_1PNPDE20100103_053706_000000642085_00377_41012_2330.N1	03-JAN-2010 05:37:06	Bright	64.000	180	27Gam Boo	3.0400	8000.0	128	41012	No
88	GOM_TRA_1PNPDE20100103_054054_000000442085_00377_41012_2331.N1	03-JAN-2010 05:40:54	Bright	44.000	83		2.3780	11000.	88	41012	No
89	GOM_TRA_1PNPDE20100103_054417_000000572085_00377_41012_2332.N1	03-JAN-2010 05:44:17	Bright	56.500	3	16Alp Boo	-0.050000	4250.0	113	41012	No
90	GOM_TRA_1PNPDE20100103_054613_000000552085_00377_41012_2333.N1	03-JAN-2010 05:46:13	Bright	55.000	102	24Alp Ser	2.6000	4250.0	110	41012	No
91	GOM_TRA_1PNPDE20100103_055122_000000572085_00377_41012_2334.N1	03-JAN-2010 05:51:22	Bright	57.000	104	27Bet Lib	2.6140	13100.	114	41012	No
92	GOM_TRA_1PNPDE20100103_055406_000000432085_00377_41012_2335.N1	03-JAN-2010 05:54:06	Tw_i_and_stray	43.000	122	9Alp2Lib	2.7470	9700.0	86	41012	No
93	GOM_TRA_1PNPDE20100103_060103_000000462085_00377_41012_2336.N1	03-JAN-2010 06:01:03	Dark	46.000	54	5The Cen	2.0550	4500.0	92	41012	No
94	GOM_TRA_1PNPDE20100103_060345_000000402085_00377_41012_2337.N1	03-JAN-2010 06:03:45	Dark	39.500	95	Zet Cen	2.5450	26000.	79	41012	No
95	GOM_TRA_1PNPDE20100103_060528_000000412085_00378_41013_2338.N1	03-JAN-2010 06:05:28	Dark	41.000	77	Eps Cen	2.3030	28000.	82	41013	No
96	GOM_TRA_1PNPDE20100103_060721_000000452085_00378_41013_2339.N1	03-JAN-2010 06:07:21	Dark	44.500	64	Gam Cen	2.2000	10600.	89	41013	No
97	GOM_TRA_1PNPDE20100103_061333_000000492085_00378_41013_2340.N1	03-JAN-2010 06:13:33	Dark	49.000	113	Mu Vel	2.6920	5000.0	98	41013	No
98	GOM_TRA_1PNPDE20100103_061556_000000422085_00378_41013_2341.N1	03-JAN-2010 06:15:56	Dark	41.500	71	lot Car	2.2460	7700.0	83	41013	No
99	GOM_TRA_1PNPDE20100103_061750_000000482085_00378_41013_2342.N1	03-JAN-2010 06:17:50	Dark	47.500	46	Del Vel	1.9540	10600.	95	41013	No
100	GOM_TRA_1PNPDE20100103_062041_000000462085_00378_41013_2343.N1	03-JAN-2010 06:20:41	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	41013	No
101	GOM_TRA_1PNPDE20100103_062252_000000432085_00378_41013_2344.N1	03-JAN-2010 06:22:52	Dark	42.500	70	Zet Pup	2.2460	39000.	85	41013	No
102	GOM_TRA_1PNPDE20100103_062453_000000472085_00378_41013_2345.N1	03-JAN-2010 06:24:53	Dark	46.500	117	Pi Pup	2.7060	3800.0	93	41013	No
103	GOM_TRA_1PNPDE20100103_062738_000000472085_00378_41013_2346.N1	03-JAN-2010 06:27:38	Straylight	46.500	23	21Eps CMa	1.5020	26000.	93	41013	No
104	GOM_TRA_1PNPDE20100103_062909_000000432085_00378_41013_2347.N1	03-JAN-2010 06:29:09	Straylight	43.000	179	24Omi2CMa	3.0320	24000.	86	41013	No
105	GOM_TRA_1PNPDE20100103_063134_000000502085_00378_41013_2348.N1	03-JAN-2010 06:31:34	Straylight	50.000	1	9Alp CMa	-1.4400	11000.	100	41013	No
106	GOM_TRA_1PNPDE20100103_063900_000000492085_00378_41013_2349.N1	03-JAN-2010 06:39:00	Tw_i_and_stray	48.500	14	58Alp Ori	0.87000	3000.0	97	41013	No
107	GOM_TRA_1PNPDE20100103_064208_000000492085_00378_41013_2350.N1	03-JAN-2010 06:42:08	Tw_i_and_stray	49.000	44	24Gam Gem	1.9280	11000.	98	41013	No
108	GOM_TRA_1PNPDE20100103_064347_000000442085_00378_41013_2351.N1	03-JAN-2010 06:43:47	Bright	43.500	151	13Mu Gem	2.8900	3000.0	87	41013	No
109	GOM_TRA_1PNPDE20100103_064748_000000372085_00378_41013_2352.N1	03-JAN-2010 06:47:48	Bright	37.000	107	37The Aur	2.6490	11000.	74	41013	No
110	GOM_TRA_1PNPDE20100103_064959_000000382085_00378_41013_2353.N1	03-JAN-2010 06:49:59	Bright	37.500	6	13Alp Aur	0.080000	3400.0	75	41013	No
111	GOM_TRA_1PNPDE20100103_194532_000000422085_00386_41021_2385.N1	03-JAN-2010 19:45:32	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	41021	No
112	GOM_TRA_1PNPDE20100103_194743_000000442085_00386_41021_2386.N1	03-JAN-2010 19:47:43	Dark	43.500	70	Zet Pup	2.2460	39000.	87	41021	No
113	GOM_TRA_1PNPDE20100103_194943_000000452085_00386_41021_2387.N1	03-JAN-2010 19:49:43	Dark	44.500	117	Pi Pup	2.7060	3800.0	89	41021	No
114	GOM_TRA_1PNPDE20100103_195227_000000472085_00386_41021_2388.N1	03-JAN-2010 19:52:27	Straylight	46.500	23	21Eps CMa	1.5020	26000.	93	41021	No
115	GOM_TRA_1PNPDE20100103_195358_000000442085_00386_41021_2389.N1	03-JAN-2010 19:53:58	Straylight	43.500	179	24Omi2CMa	3.0320	24000.	87	41021	No
116	GOM_TRA_1PNPDE20100103_195622_000000492085_00386_41021_2390.N1	03-JAN-2010 19:56:22	Straylight	49.000	1	9Alp CMa	-1.4400	11000.	98	41021	No
117	GOM_TRA_1PNPDE20100103_200347_000000542085_00386_41021_2391.N1	03-JAN-2010 20:03:47	Tw_i_and_stray	54.000	14	58Alp Ori	0.87000	3000.0	108	41021	No
118	GOM_TRA_1PNPDE20100103_200653_000000482085_00386_41021_2392.N1	03-JAN-2010 20:06:53	Tw_i_and_stray	47.500	44	24Gam Gem	1.9280	11000.	95	41021	No
119	GOM_TRA_1PNPDE20100103_200832_000000502085_00386_41021_2393.N1	03-JAN-2010 20:08:32	Bright	50.000	151	13Mu Gem	2.8900	3000.0	100	41021	No
120	GOM_TRA_1PNPDE20100103_201234_000000552085_00386_41021_2394.N1	03-JAN-2010 20:12:34	Bright	55.000	107	37The Aur	2.6490	11000.	110	41021	No
121	GOM_TRA_1PNPDE20100103_201447_000000392085_00386_41021_2395.N1	03-JAN-2010 20:14:47	Bright	39.000	42	34Bet Aur	1.9000	10200.	78	41021	No
122	GOM_TRA_1PNPDE20100103_203123_000000342085_00386_41021_2396.N1	03-JAN-2010 20:31:23	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	41021	No
123	GOM_TRA_1PNPDE20100103_203451_000000362085_00386_41021_2397.N1	03-JAN-2010 20:34:51	Bright	36.000	32	77Eps UMa	1.7630	11000.	72	41021	No
124	GOM_TRA_1PNPDE20100103_203554_000000482085_00386_41021_2398.N1	03-JAN-2010 20:35:54	Bright	47.500	55	79Zet UMa	2.0600	10200.	95	41021	No
125	GOM_TRA_1PNPDE20100103_203816_000000502085_00386_41021_2399.N1	03-JAN-2010 20:38:16	Bright	50.000	39	85Eta UMa	1.8540	24000.	100	41021	No
126	GOM_TRA_1PNPDE20100103_204230_000000412085_00386_41021_2400.N1	03-JAN-2010 20:42:30	Bright	40.500	180	27Gam Boo	3.0400	8000.0	81	41021	No
127	GOM_TRA_1PNPDE20100103_204619_000000472085_00386_41021_2401.N1	03-JAN-2010 20:46:19	Bright	47.000	83		2.3780	11000.	94	41021	No
128	GOM_TRA_1PNPDE20100103_204945_000000352085_00386_41021_2402.N1	03-JAN-2010 20:49:45	Tw_i_and_stray	35.000	3	16Alp Boo	-0.050000	4250.0	70	41021	No

129	GOM_TRA_1PNPDE20100103_205139_000000552085_00386_41021_2403.N1	03-JAN-2010 20:51:39	Bright	55.000	102	24Alp Ser	2.6000	4250.0	110	41021	No
130	GOM_TRA_1PNPDE20100103_205650_000000572085_00386_41021_2404.N1	03-JAN-2010 20:56:50	Bright	57.000	104	27Bet Lib	2.6140	13100.	114	41021	No
131	GOM_TRA_1PNPDE20100103_205935_000000432085_00386_41021_2405.N1	03-JAN-2010 20:59:35	Twilight	42.500	122	9Alp2Lib	2.7470	9700.0	85	41021	No
132	GOM_TRA_1PNPDE20100103_210633_000000532085_00386_41021_2406.N1	03-JAN-2010 21:06:33	Dark	52.500	54	5The Cen	2.0550	4500.0	105	41021	No
133	GOM_TRA_1PNPDE20100103_210914_000000422085_00386_41021_2407.N1	03-JAN-2010 21:09:14	Dark	41.500	95	Zet Cen	2.5450	26000.	83	41021	No
134	GOM_TRA_1PNPDE20100103_211057_000000422085_00387_41022_2408.N1	03-JAN-2010 21:10:57	Dark	42.000	77	Eps Cen	2.3030	28000.	84	41022	No
135	GOM_TRA_1PNPDE20100103_211252_000000432085_00387_41022_2409.N1	03-JAN-2010 21:12:52	Dark	43.000	64	Gam Cen	2.2000	10600.	86	41022	No
136	GOM_TRA_1PNPDE20100103_211904_000000572085_00387_41022_2410.N1	03-JAN-2010 21:19:04	Dark	56.500	113	Mu Vel	2.6920	5000.0	113	41022	No
137	GOM_TRA_1PNPDE20100103_212124_000000402085_00387_41022_2411.N1	03-JAN-2010 21:21:24	Dark	39.500	71	lot Car	2.2460	7700.0	79	41022	No
138	GOM_TRA_1PNPDE20100103_212318_000000402085_00387_41022_2412.N1	03-JAN-2010 21:23:18	Dark	40.000	46	Del Vel	1.9540	10600.	80	41022	No
139	GOM_TRA_1PNPDE20100103_212608_000000462085_00387_41022_2413.N1	03-JAN-2010 21:26:08	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	41022	No
140	GOM_TRA_1PNPDE20100103_212820_000000452085_00387_41022_2414.N1	03-JAN-2010 21:28:20	Dark	44.500	70	Zet Pup	2.2460	39000.	89	41022	No
141	GOM_TRA_1PNPDE20100103_213019_000000482085_00387_41022_2415.N1	03-JAN-2010 21:30:19	Dark	47.500	117	Pi Pup	2.7060	3800.0	95	41022	No
142	GOM_TRA_1PNPDE20100103_213303_000000452085_00387_41022_2416.N1	03-JAN-2010 21:33:03	Straylight	45.000	23	21Eps CMa	1.5020	26000.	90	41022	No
143	GOM_TRA_1PNPDE20100103_213434_000000402085_00387_41022_2417.N1	03-JAN-2010 21:34:34	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	41022	No
144	GOM_TRA_1PNPDE20100103_213658_000000482085_00387_41022_2418.N1	03-JAN-2010 21:36:58	Straylight	47.500	1	9Alp CMa	-1.4400	11000.	95	41022	No
145	GOM_TRA_1PNPDE20100103_214423_000000502085_00387_41022_2419.N1	03-JAN-2010 21:44:23	Twilight	49.500	14	58Alp Ori	0.87000	3000.0	99	41022	No
146	GOM_TRA_1PNPDE20100103_214729_000000502085_00387_41022_2420.N1	03-JAN-2010 21:47:29	Twilight	50.000	44	24Gam Gem	1.9280	11000.	100	41022	No
147	GOM_TRA_1PNPDE20100103_214908_000000562085_00387_41022_2421.N1	03-JAN-2010 21:49:08	Bright	56.000	151	13Mu Gem	2.8900	3000.0	112	41022	No
148	GOM_TRA_1PNPDE20100103_215310_000000382085_00387_41022_2422.N1	03-JAN-2010 21:53:10	Bright	38.000	107	37The Aur	2.6490	11000.	76	41022	No
149	GOM_TRA_1PNPDE20100103_215523_000000392085_00387_41022_2423.N1	03-JAN-2010 21:55:23	Bright	39.000	42	34Bet Aur	1.9000	10200.	78	41022	No
150	GOM_TRA_1PNPDE20100103_221159_000000392085_00387_41022_2424.N1	03-JAN-2010 22:11:59	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	41022	No
151	GOM_TRA_1PNPDE20100103_221526_000000332085_00387_41022_2425.N1	03-JAN-2010 22:15:26	Twilight	33.000	32	77Eps UMa	1.7630	11000.	66	41022	No
152	GOM_TRA_1PNPDE20100103_221629_000000672085_00387_41022_2426.N1	03-JAN-2010 22:16:29	Bright	67.000	55	79Zet UMa	2.0600	10200.	134	41022	No
153	GOM_TRA_1PNPDE20100103_221852_000000682085_00387_41022_2427.N1	03-JAN-2010 22:18:52	Bright	68.000	39	85Eta UMa	1.8540	24000.	136	41022	No
154	GOM_TRA_1PNPDE20100103_222306_000000442085_00387_41022_2428.N1	03-JAN-2010 22:23:06	Bright	43.500	180	27Gam Boo	3.0400	8000.0	87	41022	No
155	GOM_TRA_1PNPDE20100103_222655_000000462085_00387_41022_2429.N1	03-JAN-2010 22:26:55	Bright	45.500	83		2.3780	11000.	91	41022	No
156	GOM_TRA_1PNPDE20100103_223021_000000262085_00387_41022_2430.N1	03-JAN-2010 22:30:21	Twilight	26.000	3	16Alp Boo	-0.050000	4250.0	52	41022	No
157	GOM_TRA_1PNPDE20100103_223216_000000552085_00387_41022_2431.N1	03-JAN-2010 22:32:16	Bright	55.000	102	24Alp Ser	2.6000	4250.0	110	41022	No
158	GOM_TRA_1PNPDE20100103_223726_000000572085_00387_41022_2432.N1	03-JAN-2010 22:37:26	Bright	57.000	104	27Bet Lib	2.6140	13100.	114	41022	No
159	GOM_TRA_1PNPDE20100103_224011_000000452085_00387_41022_2423.N1	03-JAN-2010 22:40:11	Twilight	45.000	122	9Alp2Lib	2.7470	9700.0	90	41022	No
160	GOM_TRA_1PNPDE20100103_224710_000000502085_00387_41022_2424.N1	03-JAN-2010 22:47:10	Dark	49.500	54	5The Cen	2.0550	4500.0	99	41022	No
161	GOM_TRA_1PNPDE20100103_224951_000000412085_00387_41022_2425.N1	03-JAN-2010 22:49:51	Dark	40.500	95	Zet Cen	2.5450	26000.	81	41022	No
162	GOM_TRA_1PNPDE20100103_225133_000000402085_00388_41023_2426.N1	03-JAN-2010 22:51:33	Dark	39.500	77	Eps Cen	2.3030	28000.	79	41023	No
163	GOM_TRA_1PNPDE20100103_225329_000000432085_00388_41023_2427.N1	03-JAN-2010 22:53:29	Dark	42.500	64	Gam Cen	2.2000	10600.	85	41023	No
164	GOM_TRA_1PNPDE20100103_225941_000000492085_00388_41023_2428.N1	03-JAN-2010 22:59:41	Dark	49.000	113	Mu Vel	2.6920	5000.0	98	41023	No
165	GOM_TRA_1PNPDE20100103_230200_000000482085_00388_41023_2429.N1	03-JAN-2010 23:02:00	Dark	47.500	71	lot Car	2.2460	7700.0	95	41023	No
166	GOM_TRA_1PNPDE20100103_230355_000000462085_00388_41023_2430.N1	03-JAN-2010 23:03:55	Dark	45.500	46	Del Vel	1.9540	10600.	91	41023	No
167	GOM_TRA_1PNPDE20100103_230645_000000462085_00388_41023_2431.N1	03-JAN-2010 23:06:45	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	41023	No
168	GOM_TRA_1PNPDE20100103_230856_000000452085_00388_41023_2432.N1	03-JAN-2010 23:08:56	Dark	45.000	70	Zet Pup	2.2460	39000.	90	41023	No
169	GOM_TRA_1PNPDE20100103_231055_000000472085_00388_41023_2433.N1	03-JAN-2010 23:10:55	Dark	47.000	117	Pi Pup	2.7060	3800.0	94	41023	No
170	GOM_TRA_1PNPDE20100103_231339_000000462085_00388_41023_2434.N1	03-JAN-2010 23:13:39	Straylight	45.500	23	21Eps CMa	1.5020	26000.	91	41023	No
171	GOM_TRA_1PNPDE20100103_231510_000000422085_00388_41023_2435.N1	03-JAN-2010 23:15:10	Straylight	42.000	179	24Omi2CMa	3.0320	24000.	84	41023	No
172	GOM_TRA_1PNPDE20100103_231734_000000472085_00388_41023_2436.N1	03-JAN-2010 23:17:34	Straylight	47.000	1	9Alp CMa	-1.4400	11000.	94	41023	No
173	GOM_TRA_1PNPDE20100103_232459_000000532085_00388_41023_2437.N1	03-JAN-2010 23:24:59	Twilight	52.500	14	58Alp Ori	0.87000	3000.0	105	41023	No
174	GOM_TRA_1PNPDE20100103_232804_000000482085_00388_41023_2438.N1	03-JAN-2010 23:28:04	Twilight	47.500	44	24Gam Gem	1.9280	11000.	95	41023	No
175	GOM_TRA_1PNPDE20100103_232943_000000442085_00388_41023_2439.N1	03-JAN-2010 23:29:43	Bright	44.000	151	13Mu Gem	2.8900	3000.0	88	41023	No
176	GOM_TRA_1PNPDE20100103_233345_000000392085_00388_41023_2440.N1	03-JAN-2010 23:33:45	Bright	39.000	107	37The Aur	2.6490	11000.	78	41023	No
177	GOM_TRA_1PNPDE20100103_233559_000000392085_00388_41023_2441.N1	03-JAN-2010 23:35:59	Bright	38.500	42	34Bet Aur	1.9000	10200.	77	41023	No
178	GOM_TRA_1PNPDE20100103_235234_000000352085_00388_41023_2442.N1	03-JAN-2010 23:52:34	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	41023	No
179	GOM_TRA_1PNPDE20100103_235601_000000332085_00388_41023_2443.N1	03-JAN-2010 23:56:01	Twilight	33.000	32	77Eps UMa	1.7630	11000.	66	41023	No
180	GOM_TRA_1PNPDE20100103_235705_000000482085_00388_41023_2444.N1	03-JAN-2010 23:57:05	Bright	47.500	55	79Zet UMa	2.0600	10200.	95	41023	No
181	GOM_TRA_1PNPDE20100103_235927_000000502085_00388_41023_2445.N1	03-JAN-2010 23:59:27	Bright	50.000	39	85Eta UMa	1.8540	24000.	100	41023	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.

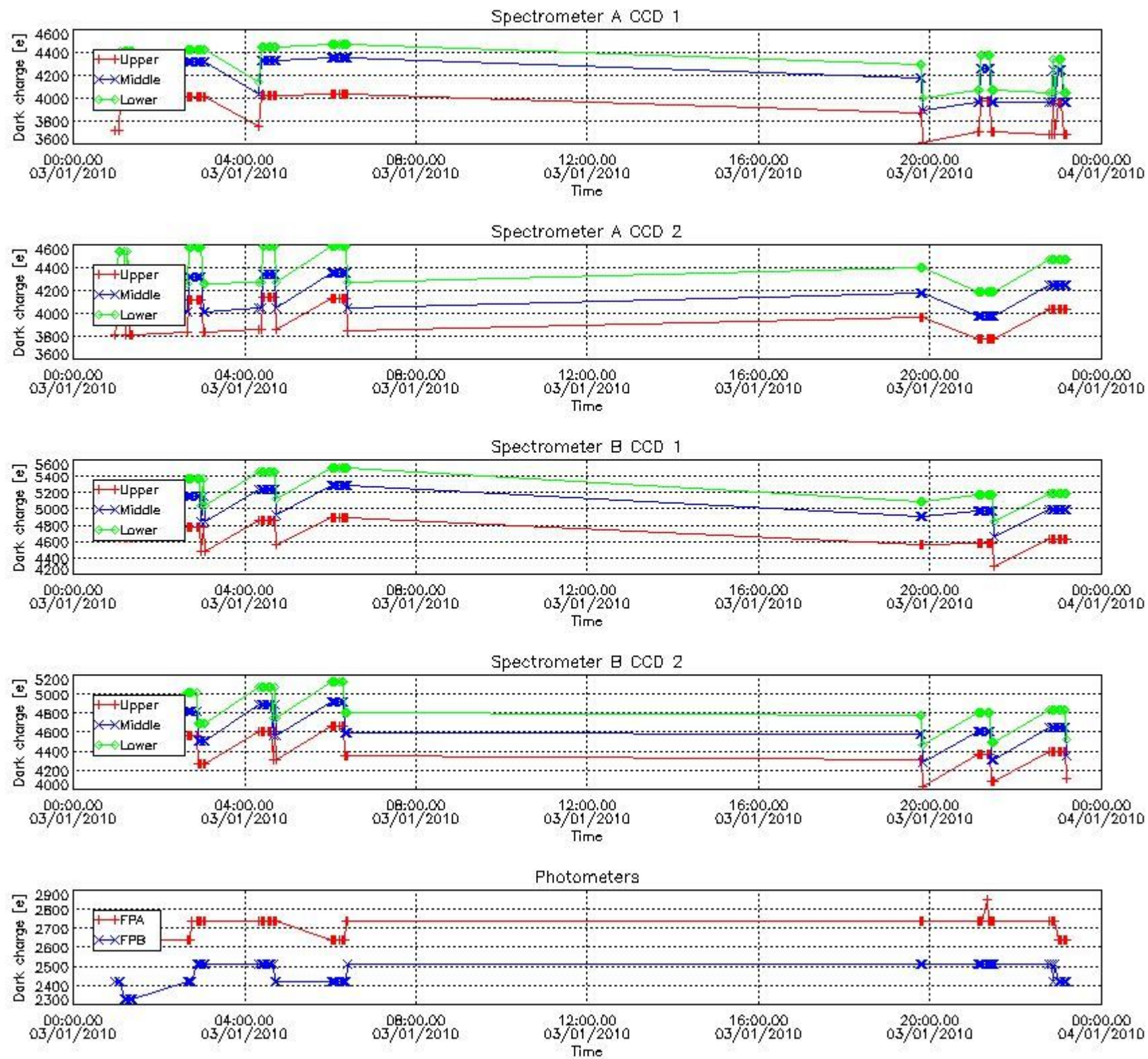
##### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20100103_194532_000000422085_00386_41021_2385.N1	DC map used
GOM_TRA_1PNPDE20100103_194743_000000442085_00386_41021_2386.N1	DC map used
GOM_TRA_1PNPDE20100103_194943_000000452085_00386_41021_2387.N1	DC map used
GOM_TRA_1PNPDE20100103_195227_000000472085_00386_41021_2388.N1	DC map used
GOM_TRA_1PNPDE20100103_195358_000000442085_00386_41021_2389.N1	DC map used
GOM_TRA_1PNPDE20100103_195622_000000492085_00386_41021_2390.N1	DC map used
GOM_TRA_1PNPDE20100103_200347_000000542085_00386_41021_2391.N1	DC map used
GOM_TRA_1PNPDE20100103_200653_000000482085_00386_41021_2392.N1	DC map used
GOM_TRA_1PNPDE20100103_200832_000000502085_00386_41021_2393.N1	DC map used
GOM_TRA_1PNPDE20100103_201234_000000552085_00386_41021_2394.N1	DC map used
GOM_TRA_1PNPDE20100103_201447_000000392085_00386_41021_2395.N1	DC map used
GOM_TRA_1PNPDE20100103_203123_000000342085_00386_41021_2396.N1	DC map used
GOM_TRA_1PNPDE20100103_203451_000000362085_00386_41021_2397.N1	DC map used
GOM_TRA_1PNPDE20100103_203554_000000482085_00386_41021_2398.N1	DC map used



GOM_TRA_1PNPDE20100103_203816_000000502085_00386_41021_2399.N1	DC map used
GOM_TRA_1PNPDE20100103_204230_000000412085_00386_41021_2400.N1	DC map used
GOM_TRA_1PNPDE20100103_204619_000000472085_00386_41021_2401.N1	DC map used
GOM_TRA_1PNPDE20100103_204945_000000352085_00386_41021_2402.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

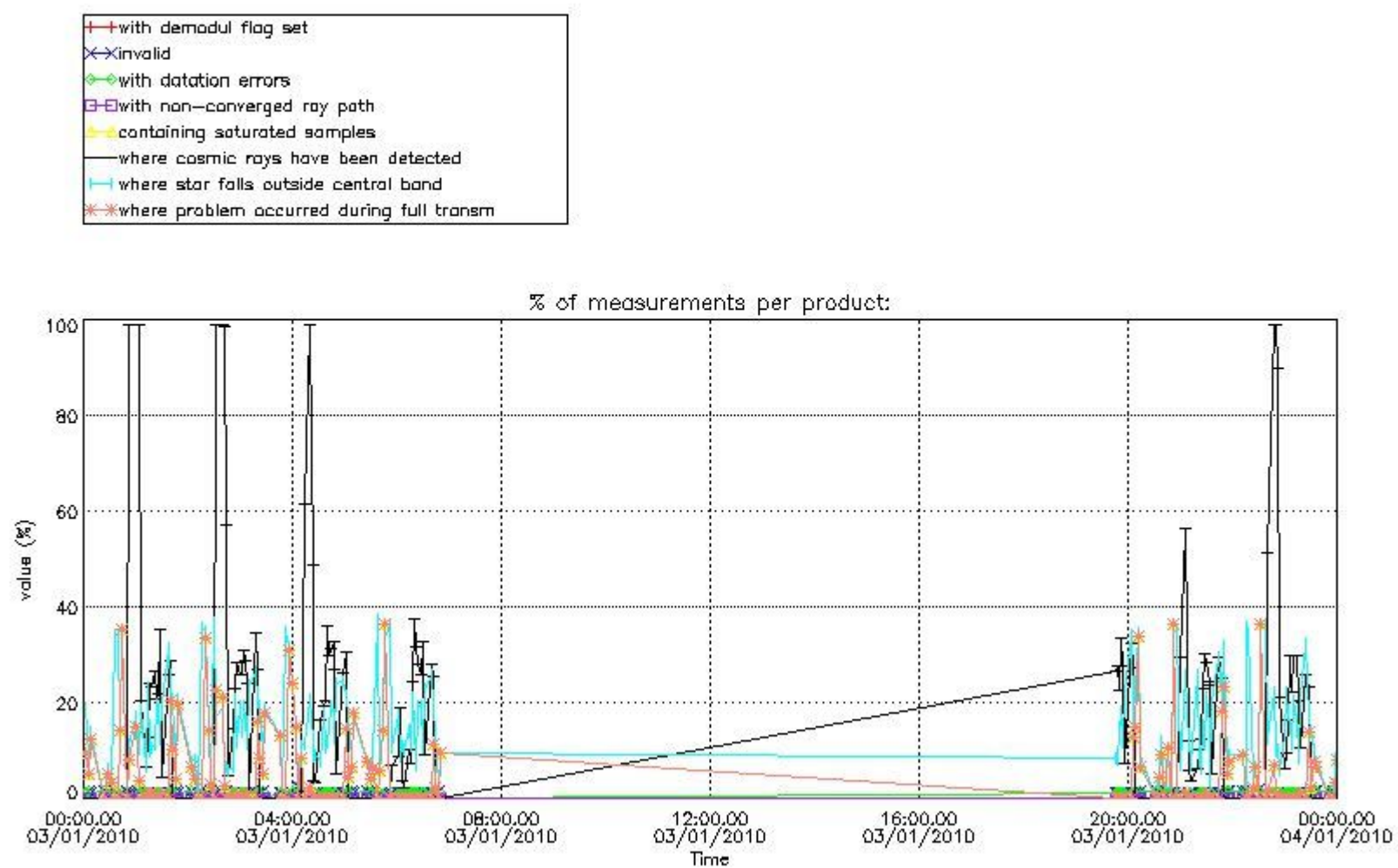
In this section it is presented the modulation information extracted from the pcd (product confidence data)

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:

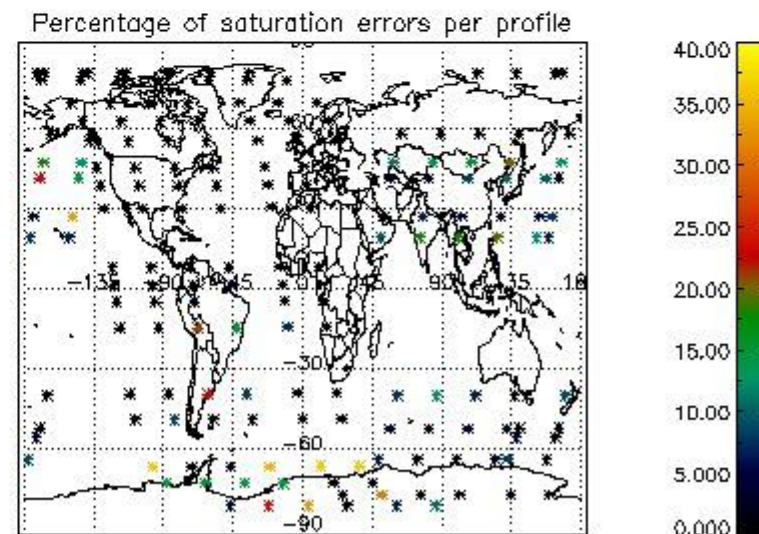
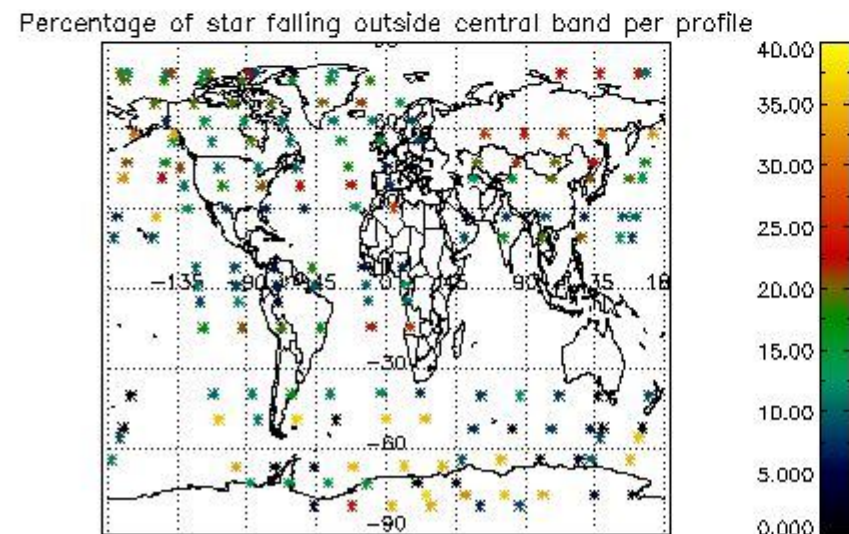
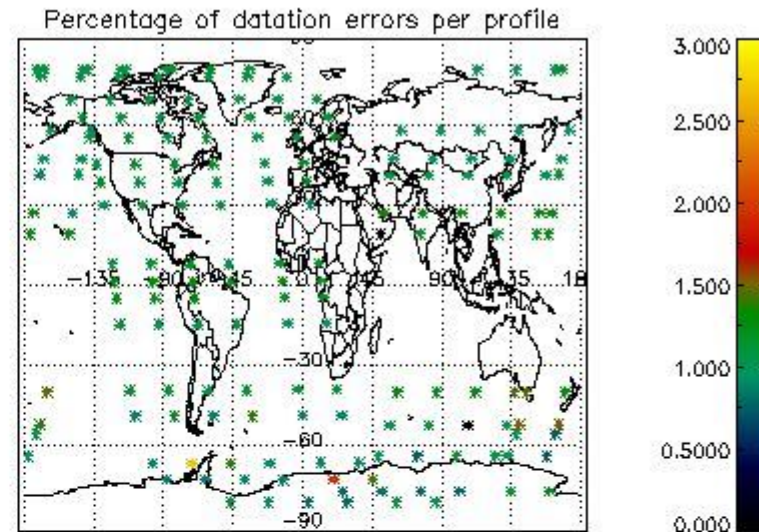
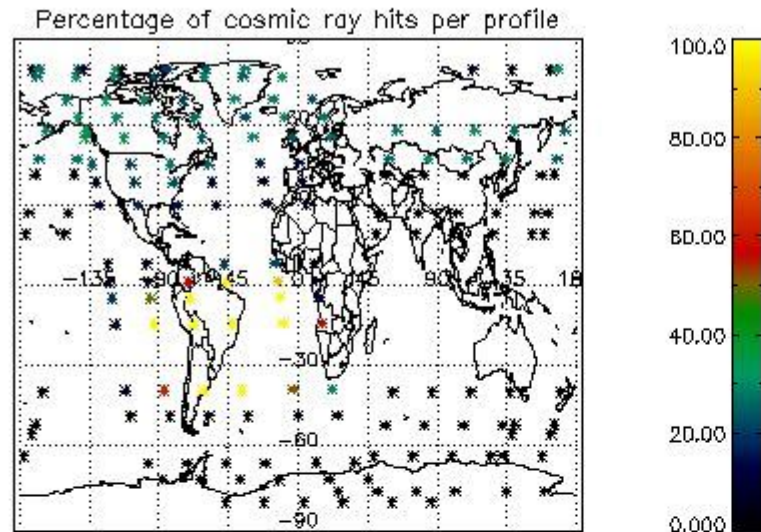
At least one measurement with demodulation flag set:	40.8840 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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



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





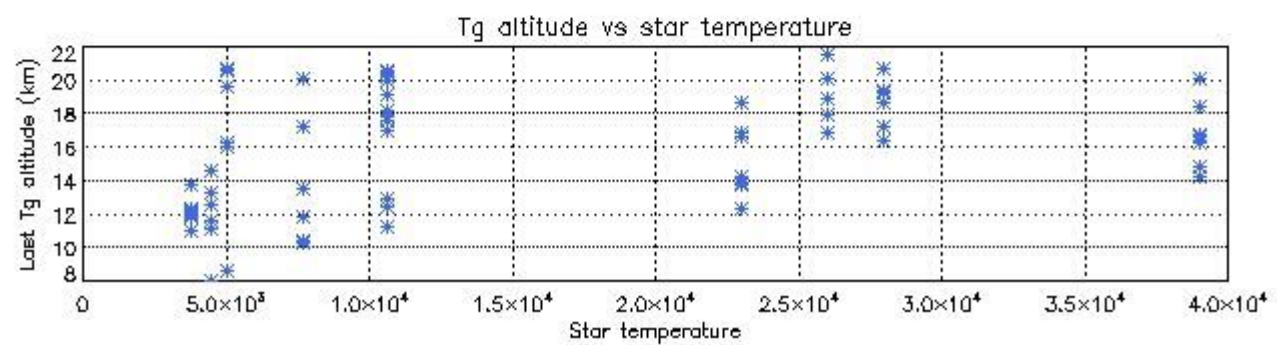
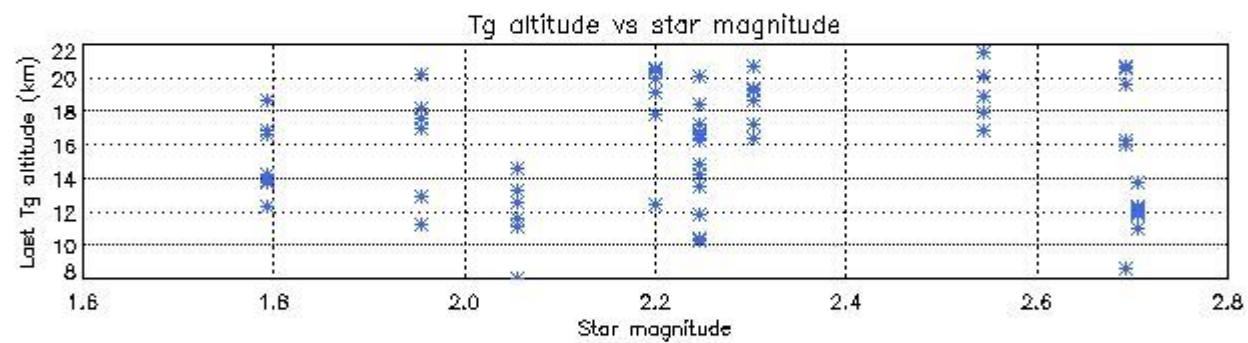
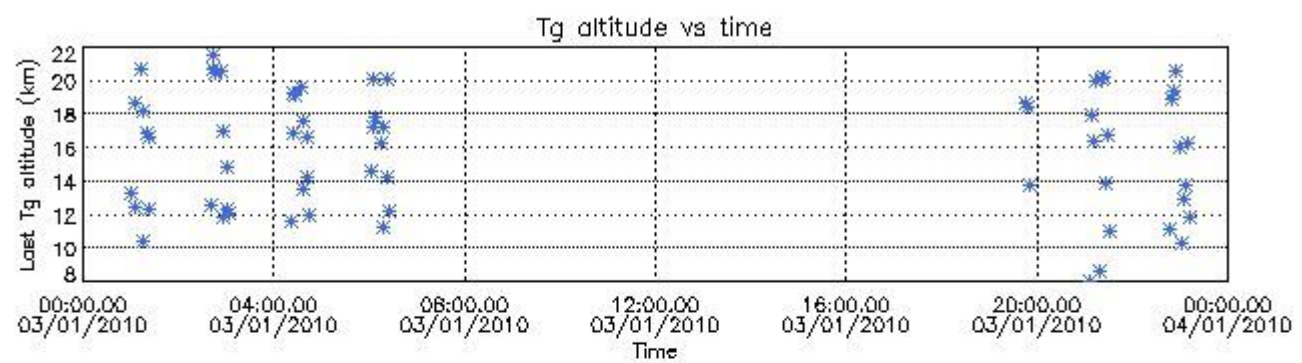
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.789	14.879	NaN
St. deviation:	3.5434	8.1496	NaN
Maximum:	21.500	46.573	NaN
Minimum:	8.0541	3.4666	NaN
Number of data:	62.000	76.000	NaN

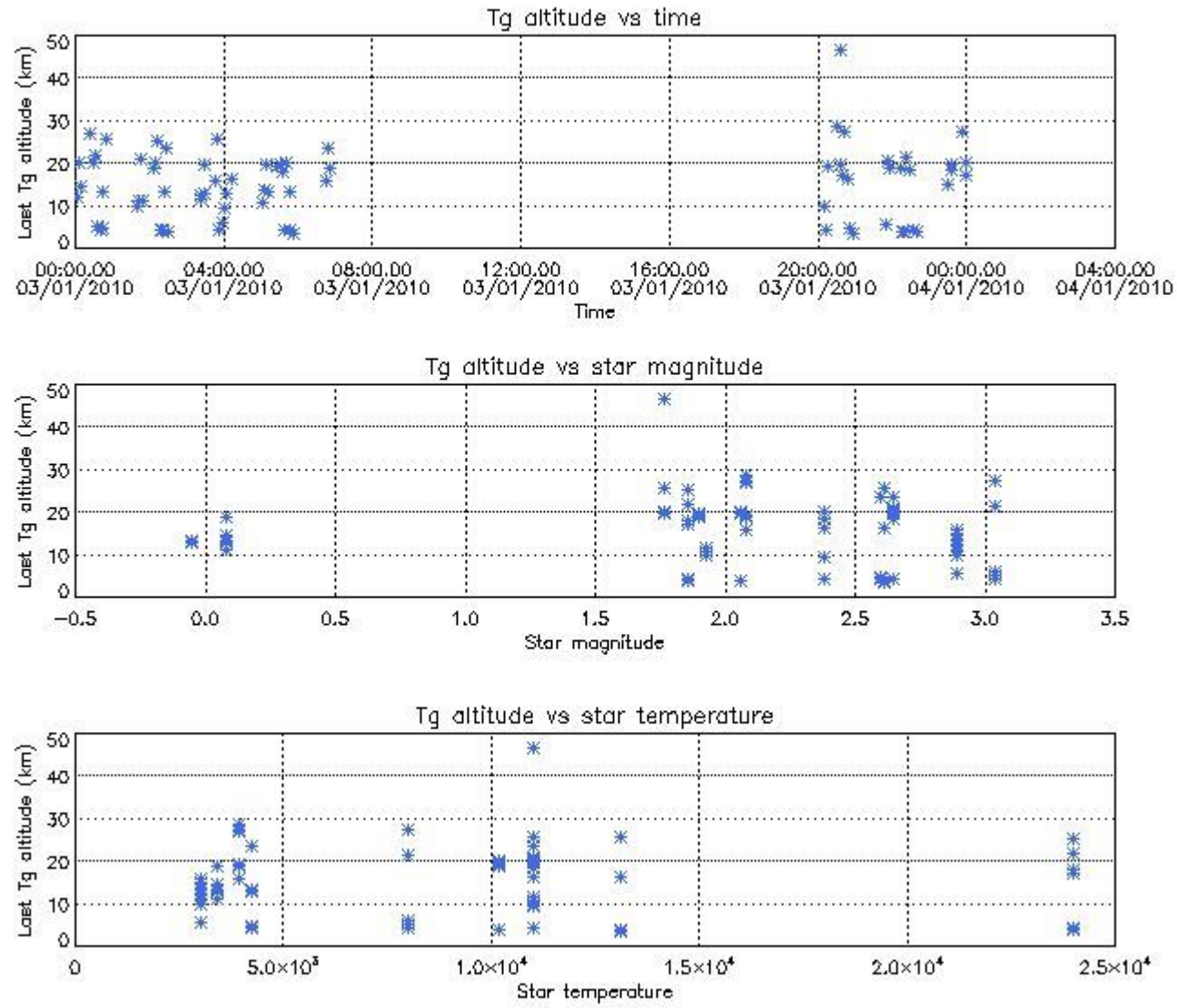
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost



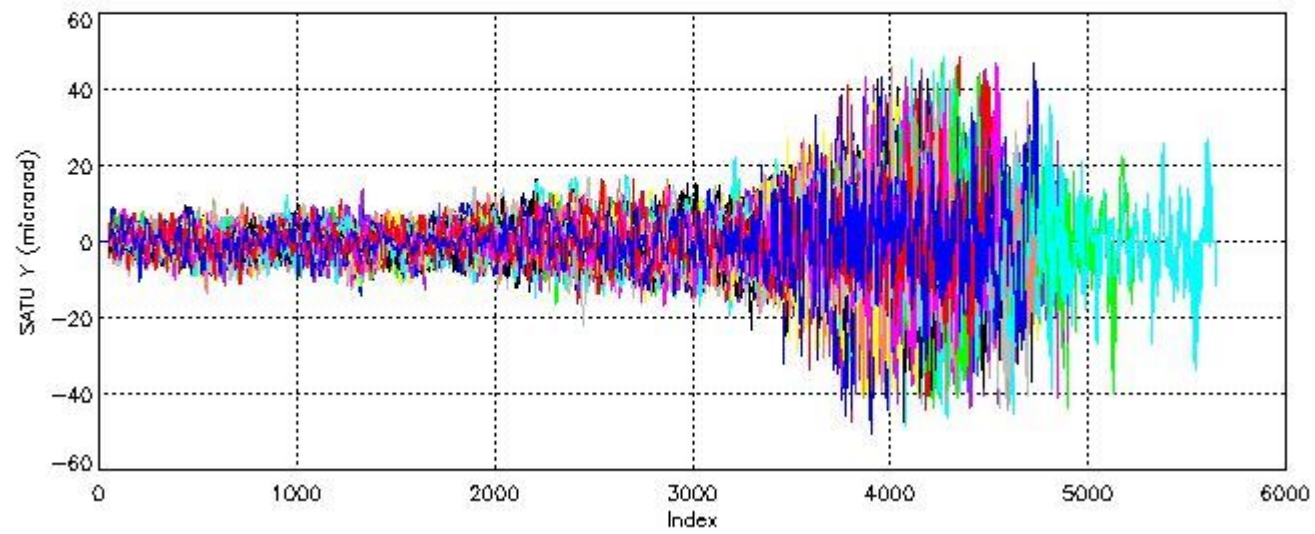
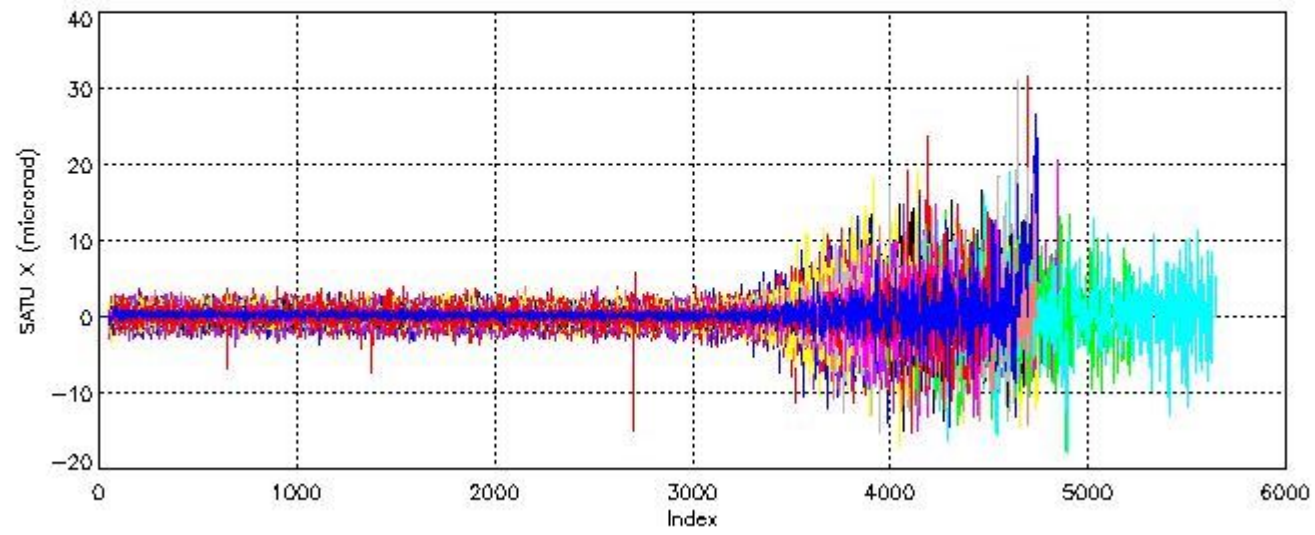
## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.18872	-0.15921	0.19979	-0.21155
St. deviation:	0.61107	2.5042	0.69595	2.7312
Maximum:	4.0000	11.400	5.3000	13.900
Minimum:	-6.9000	-13.500	-4.9000	-14.200

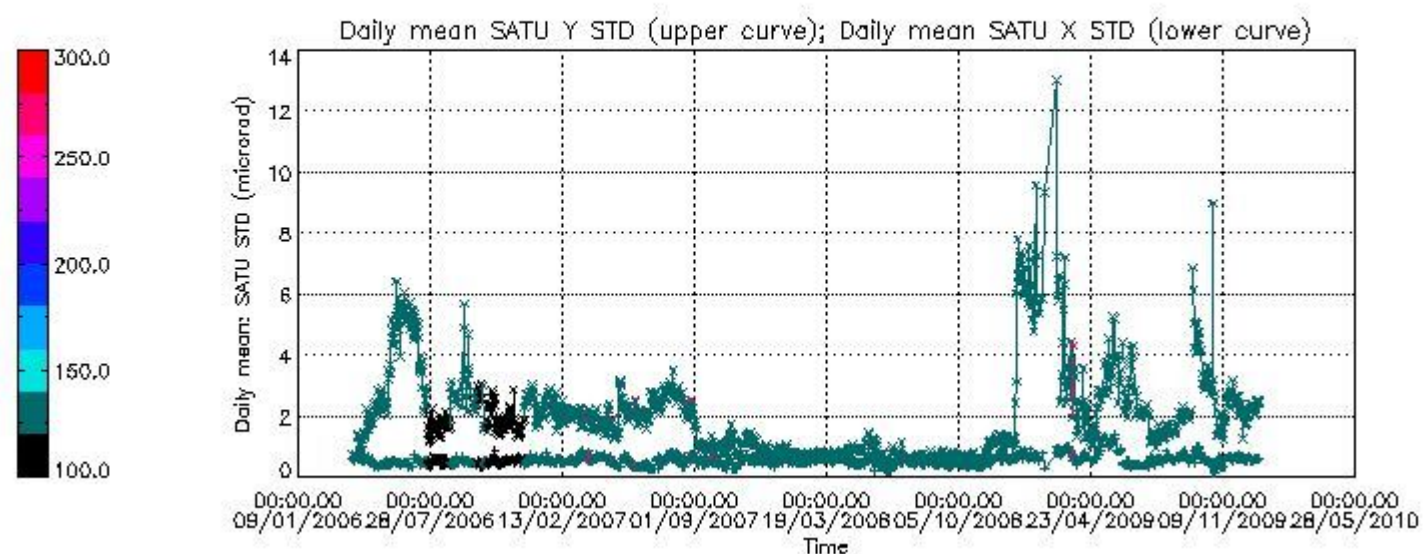
Number of data:	60250.	60250.	74050.	74050.
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### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

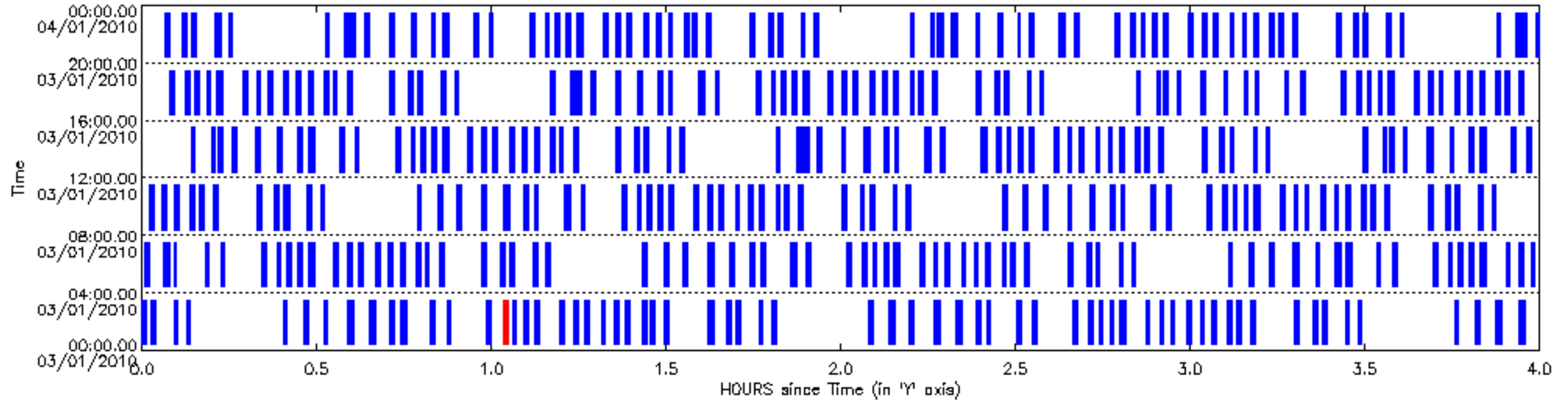
Upper curve: STD of SATU Y axis  
Lower curve: STD of SATU X axis



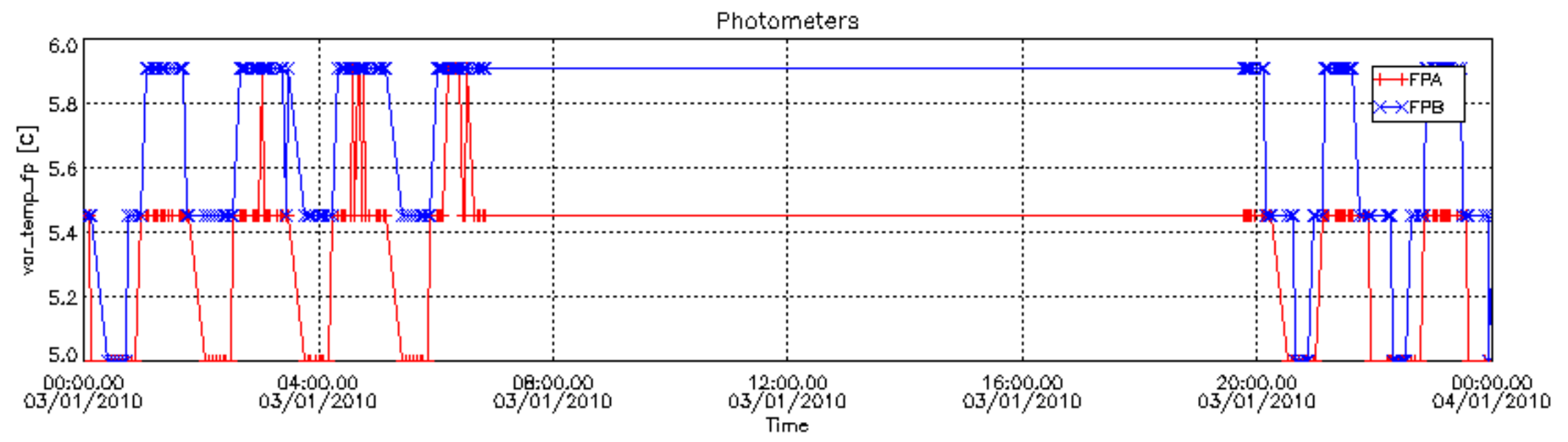
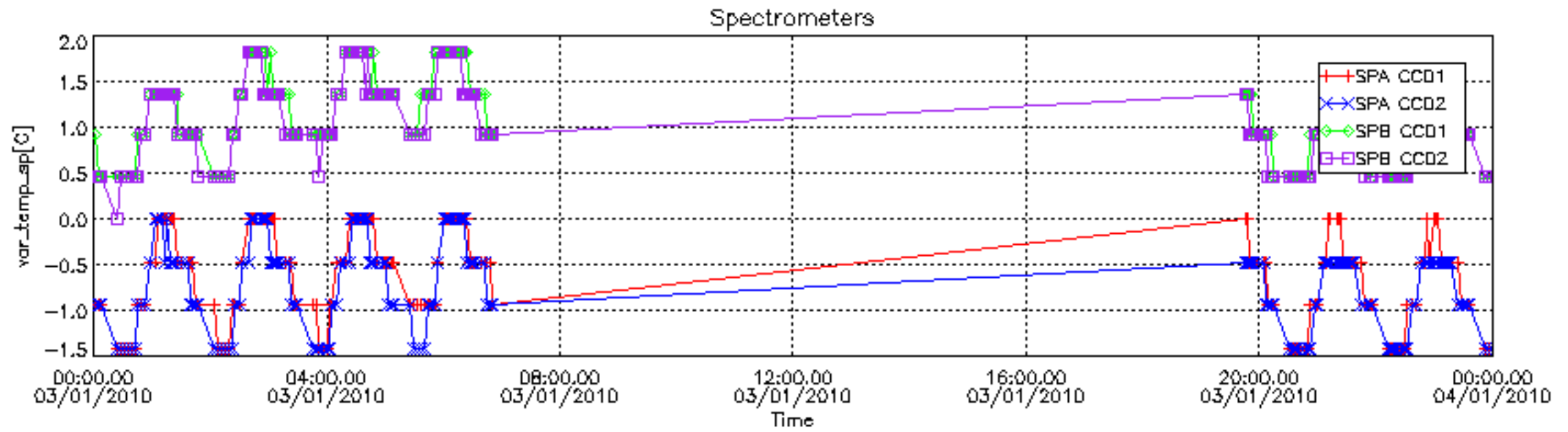
### 8. Auxiliary Data Files used for the production reported in section 2.4

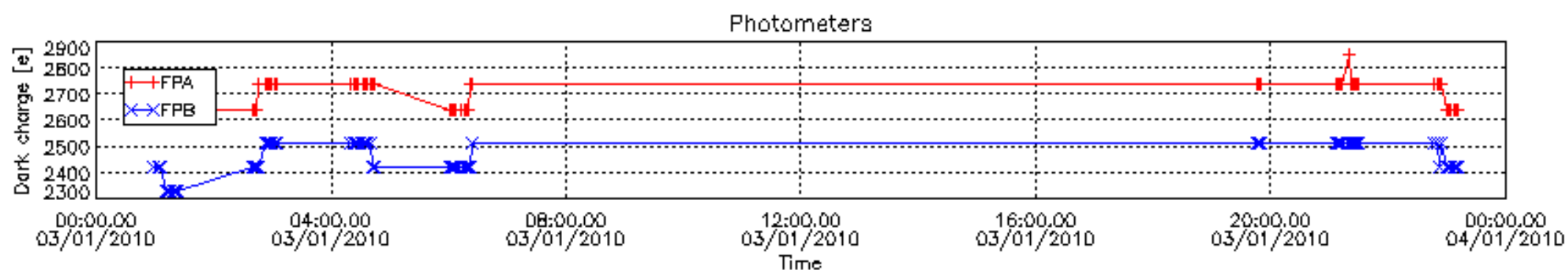
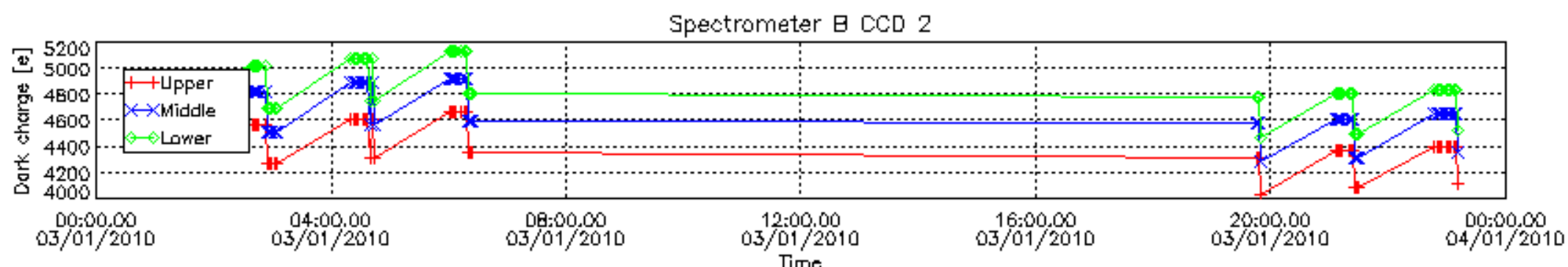
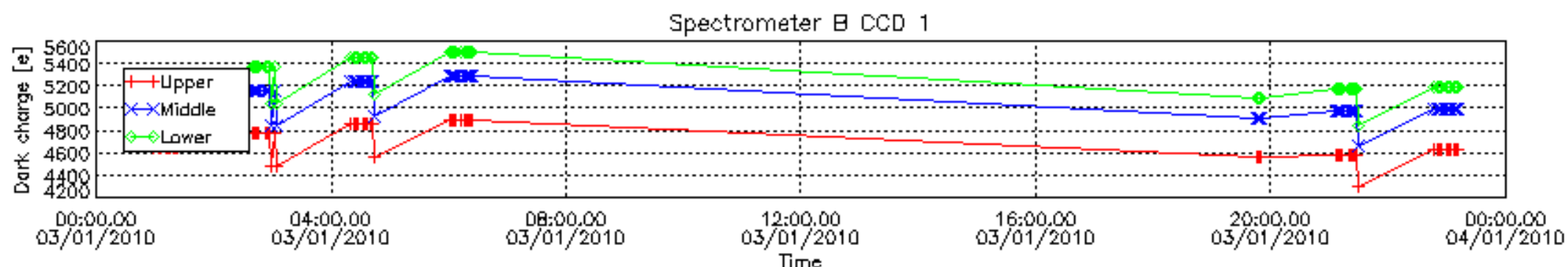
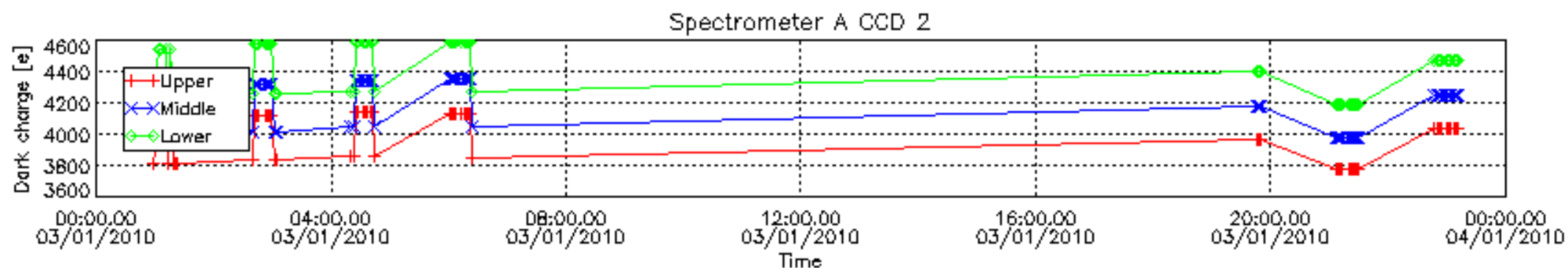
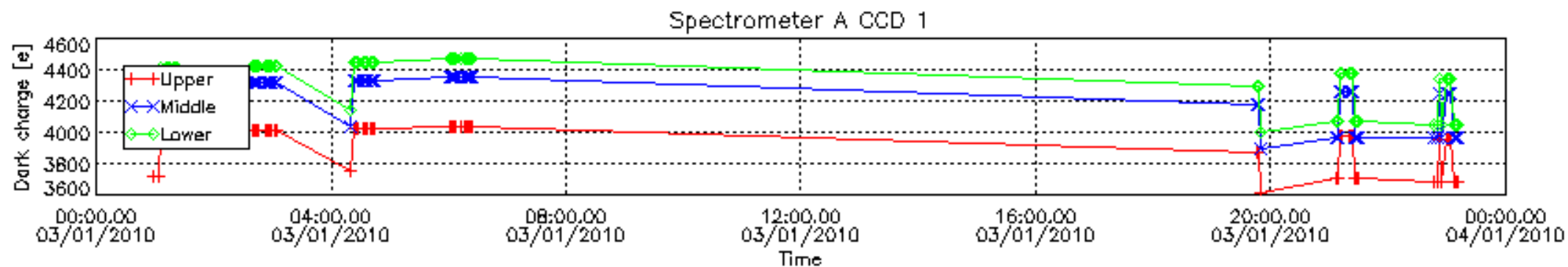
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

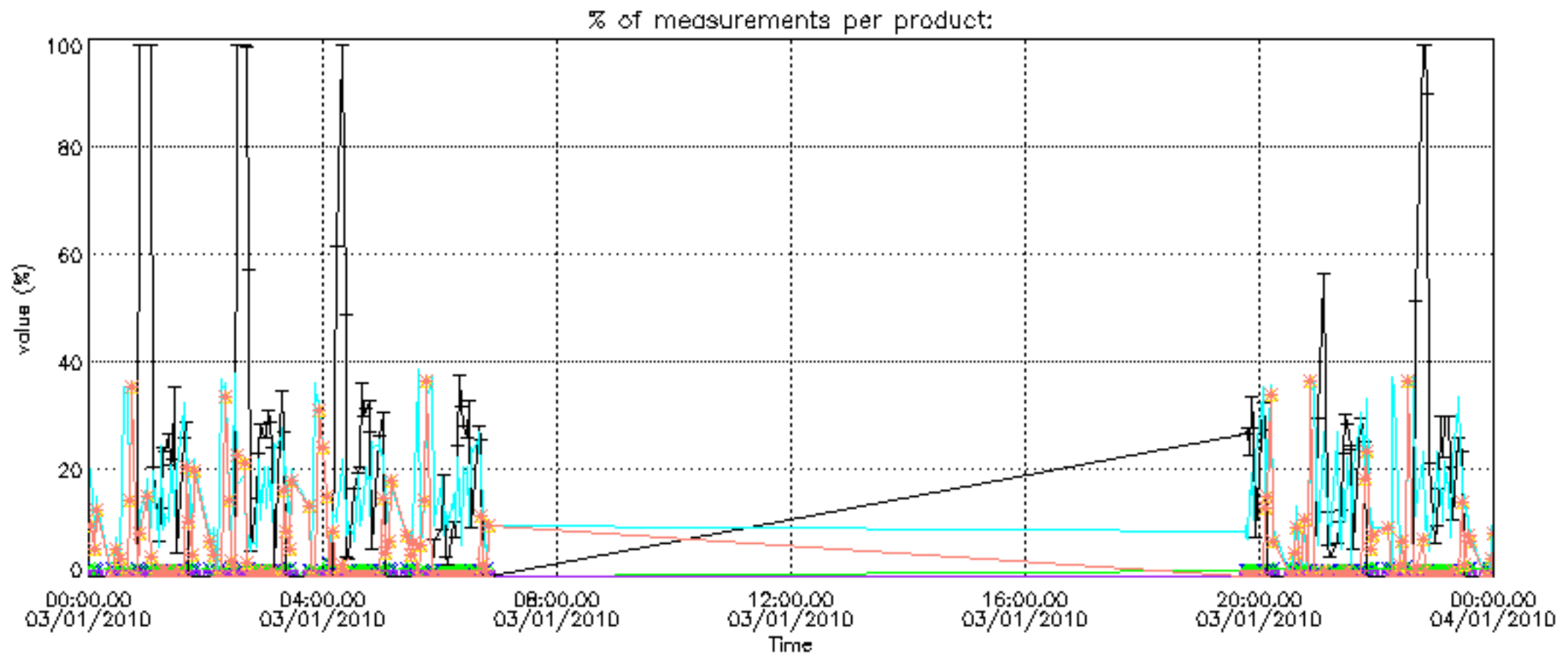
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	03-JAN-2010 00:01:24
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091229_111816_20091227_000000_20500101_000000	1	03-JAN-2010 00:01:24
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	03-JAN-2010 00:01:24
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	03-JAN-2010 00:01:24
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	03-JAN-2010 00:01:24
ECMWF_FILE	AUX_ECF_AXNECM20100102_062111_20100102_210000_20100103_090000	1	03-JAN-2010 00:01:24
ECMWF_FILE	AUX_ECF_AXNECM20100102_183103_20100103_030000_20100103_150000	57	03-JAN-2010 03:45:24
ECMWF_FILE	AUX_ECA_AXNECM20100103_060112_20100102_210000_20100103_090000	84	03-JAN-2010 05:26:00
ECMWF_FILE	AUX_ECA_AXNECM20100103_180114_20100103_090000_20100103_210000	111	03-JAN-2010 19:45:32
ECMWF_FILE	AUX_ECF_AXNECM20100103_062112_20100103_150000_20100104_030000	129	03-JAN-2010 20:51:39
ECMWF_FILE	AUX_ECF_AXNECM20100103_062113_20100103_210000_20100104_090000	159	03-JAN-2010 22:40:11
OPTIONAL_ECMWF_FILE	MISSING	1	03-JAN-2010 00:01:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100102_230824_000057382085_00373_41008_9488.N1	1	03-JAN-2010 00:01:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100103_004921_000044632085_00374_41009_9489.N1	12	03-JAN-2010 00:52:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100103_020903_000051012085_00375_41010_9490.N1	32	03-JAN-2010 02:11:43
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100102_233102_20100102_182057_20100112_212747	57	03-JAN-2010 03:45:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100103_052538_000054192085_00377_41012_9492.N1	84	03-JAN-2010 05:26:00
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100103_194103_000038252085_00386_41021_9493.N1	111	03-JAN-2010 19:45:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100103_205008_000060572085_00386_41021_9494.N1	129	03-JAN-2010 20:51:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100103_223623_000057382085_00387_41022_9495.N1	159	03-JAN-2010 22:40:11





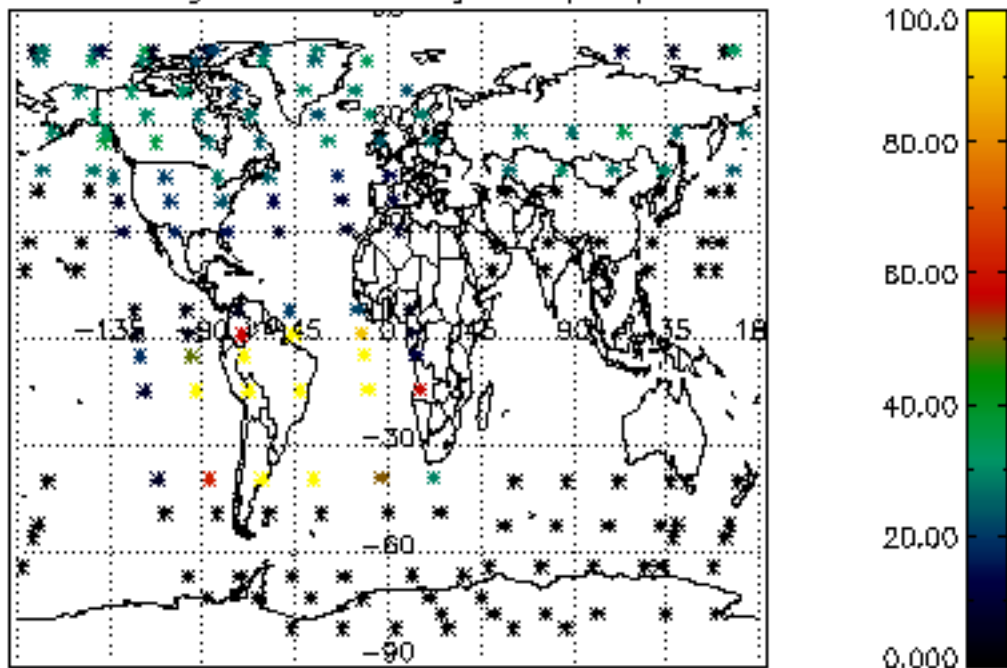




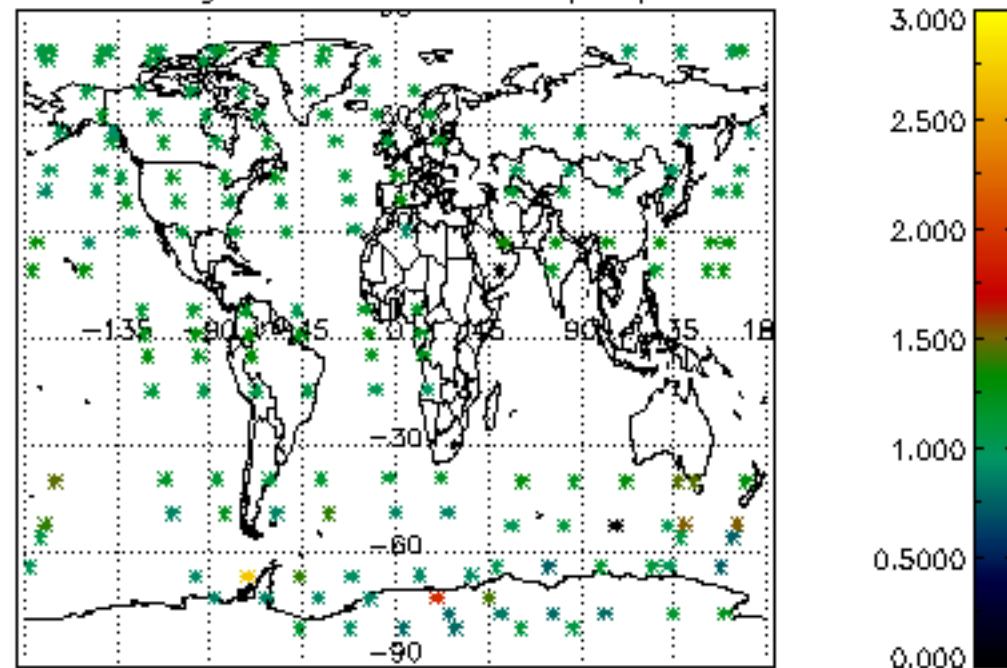




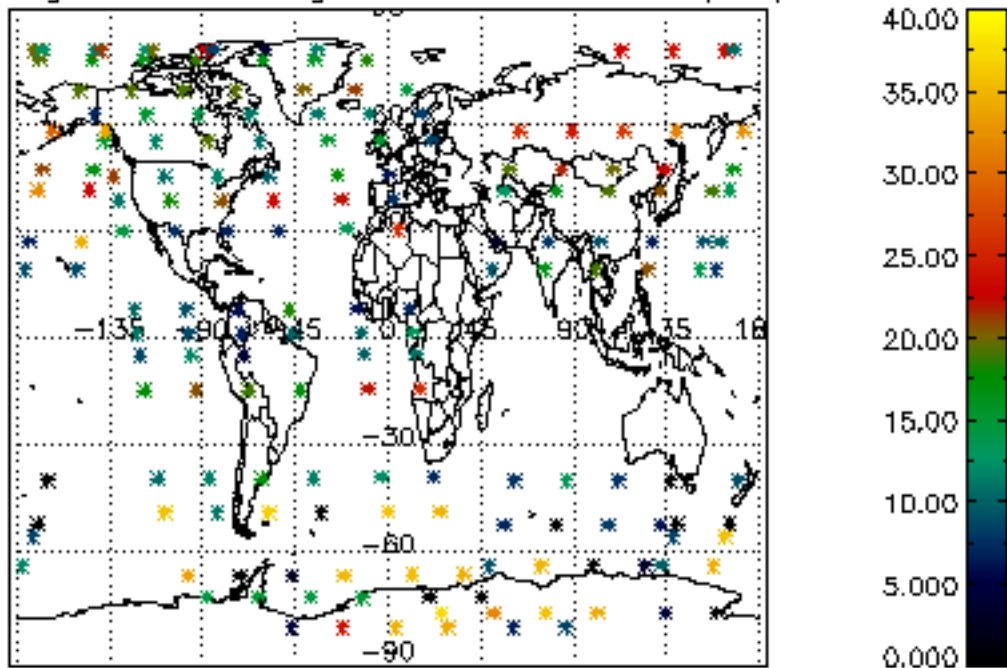
Percentage of cosmic ray hits per profile



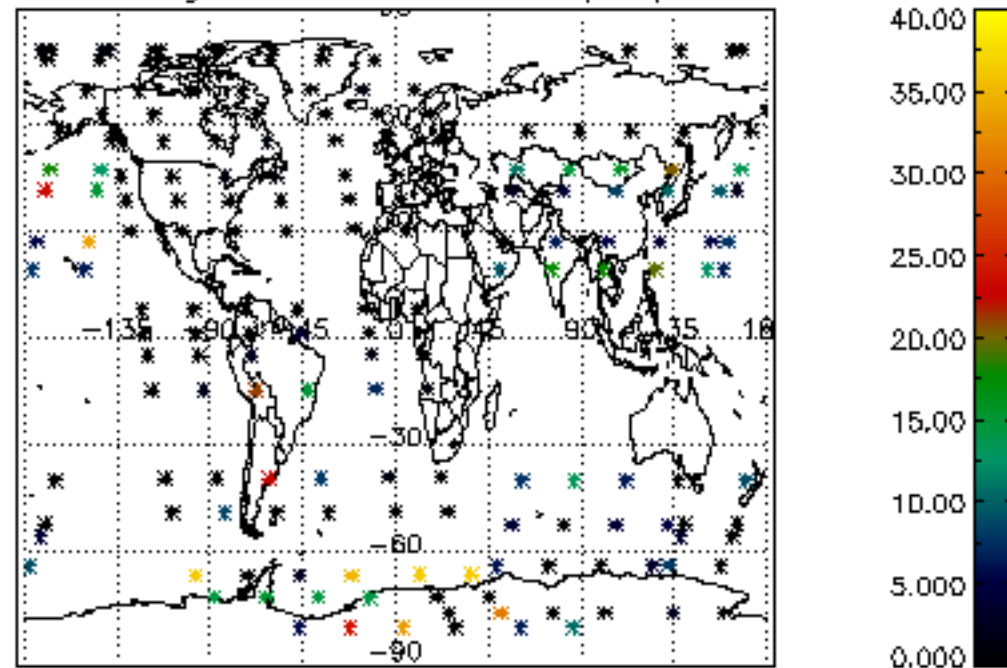
Percentage of datation errors per profile



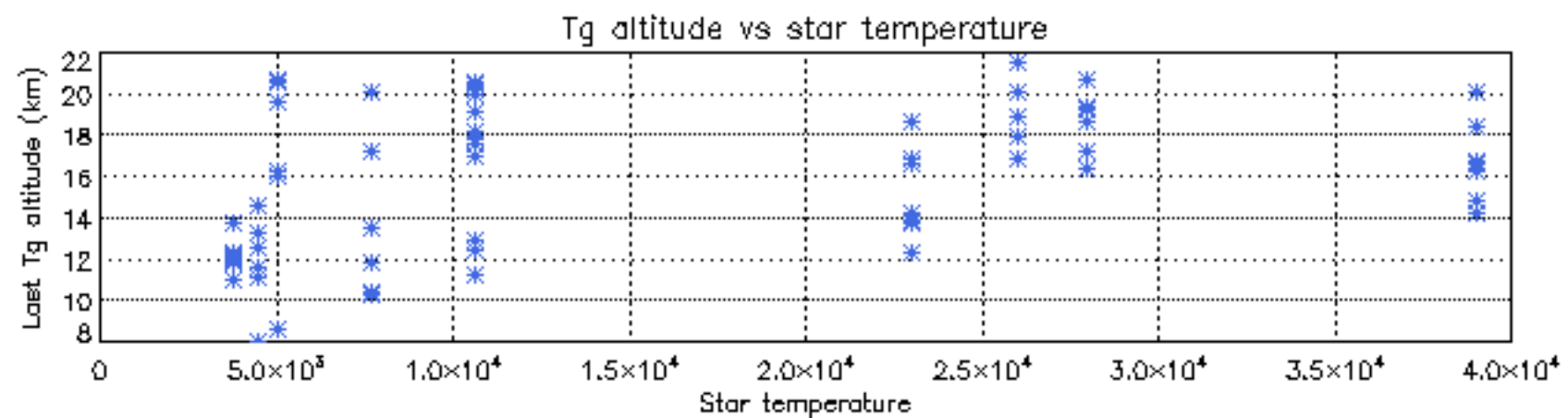
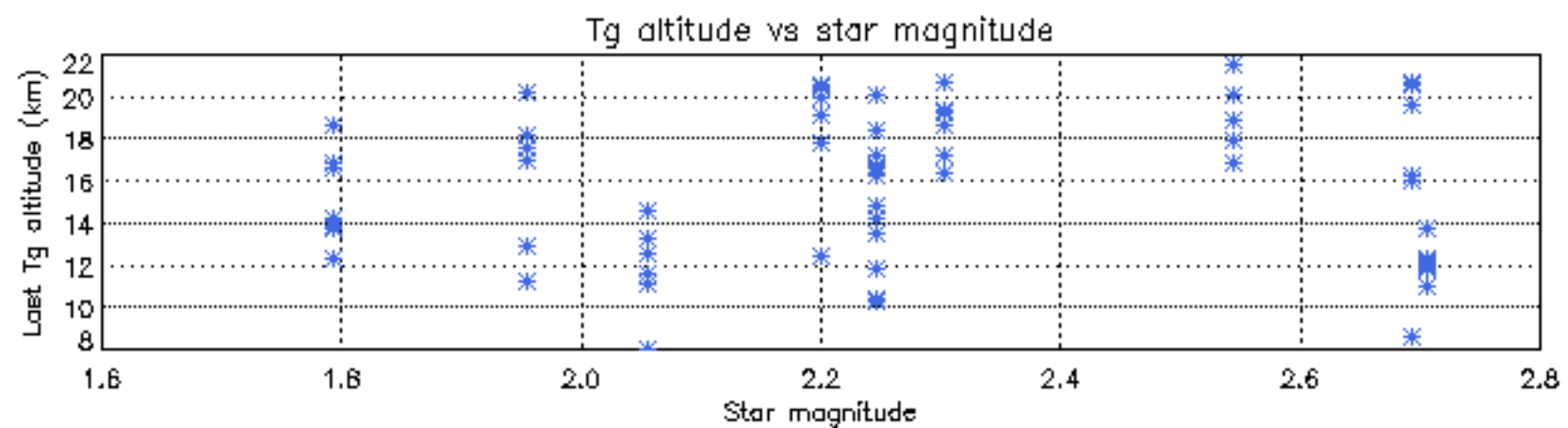
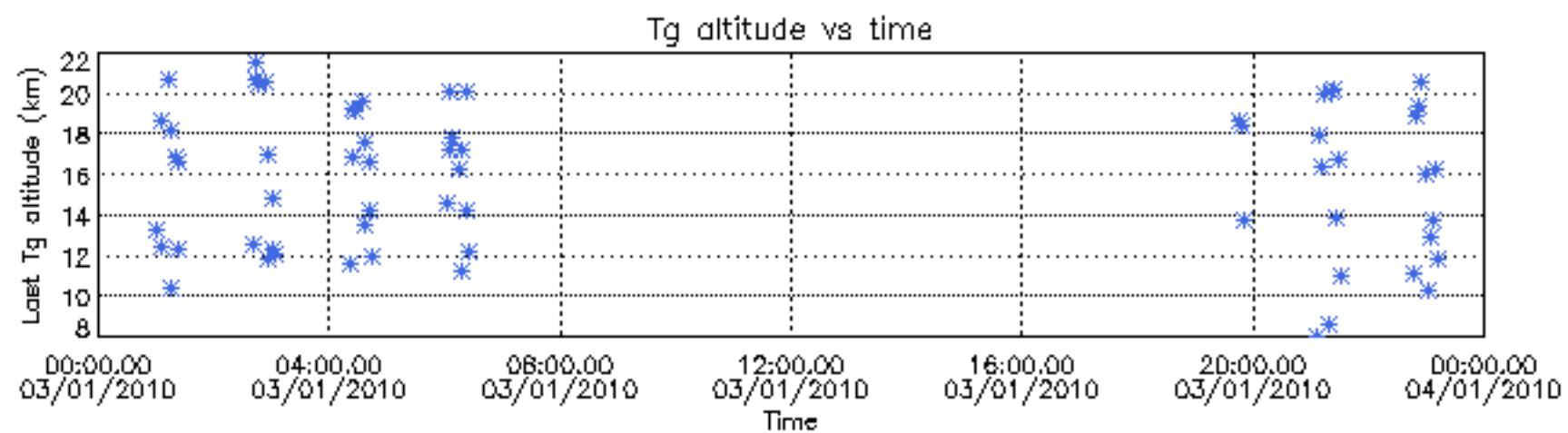
Percentage of star falling outside central band per profile



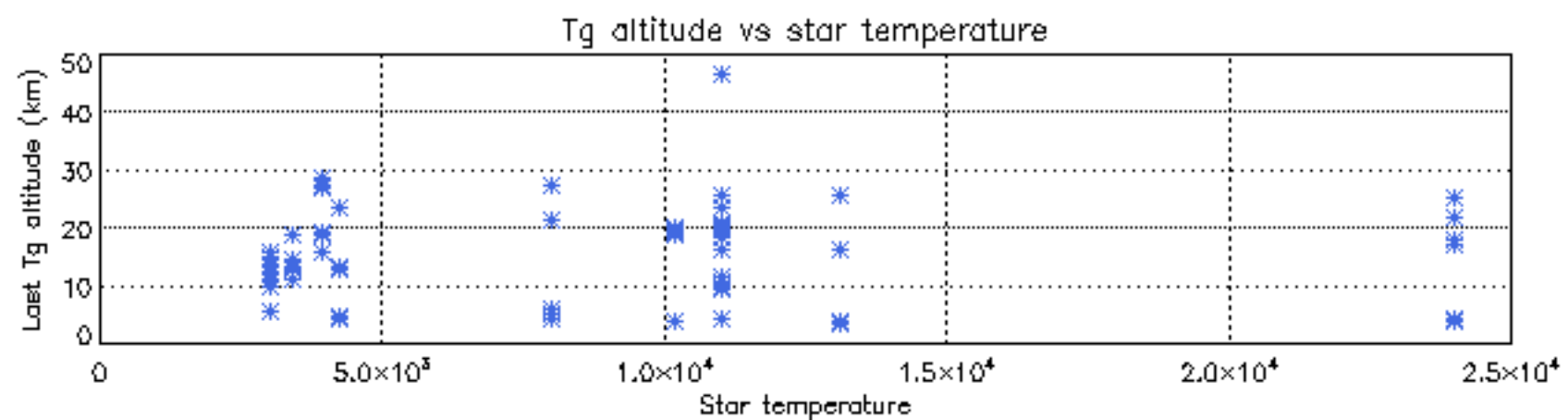
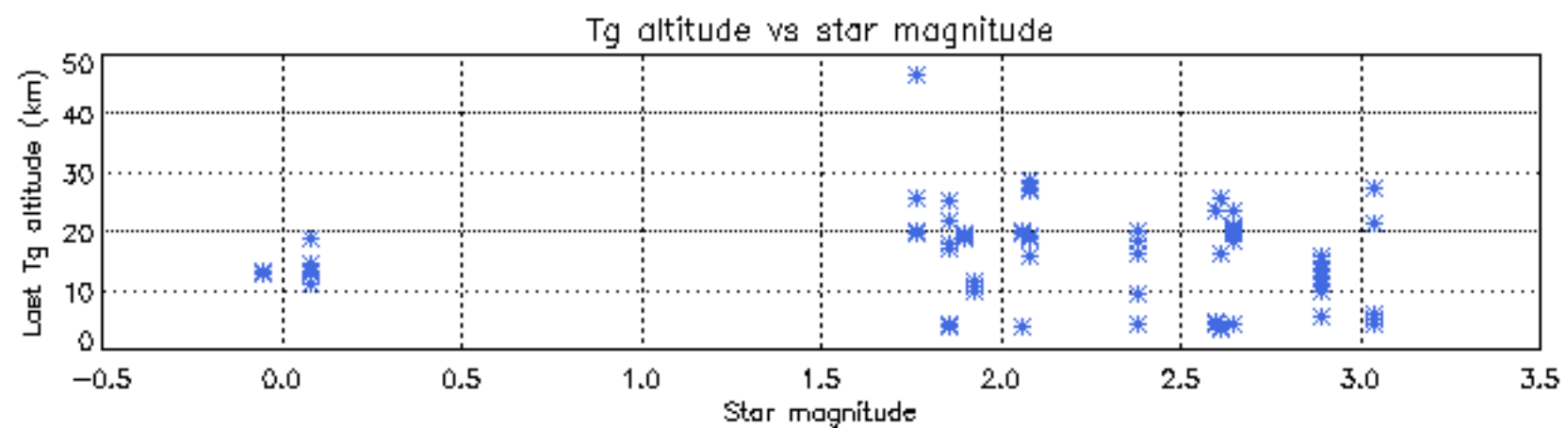
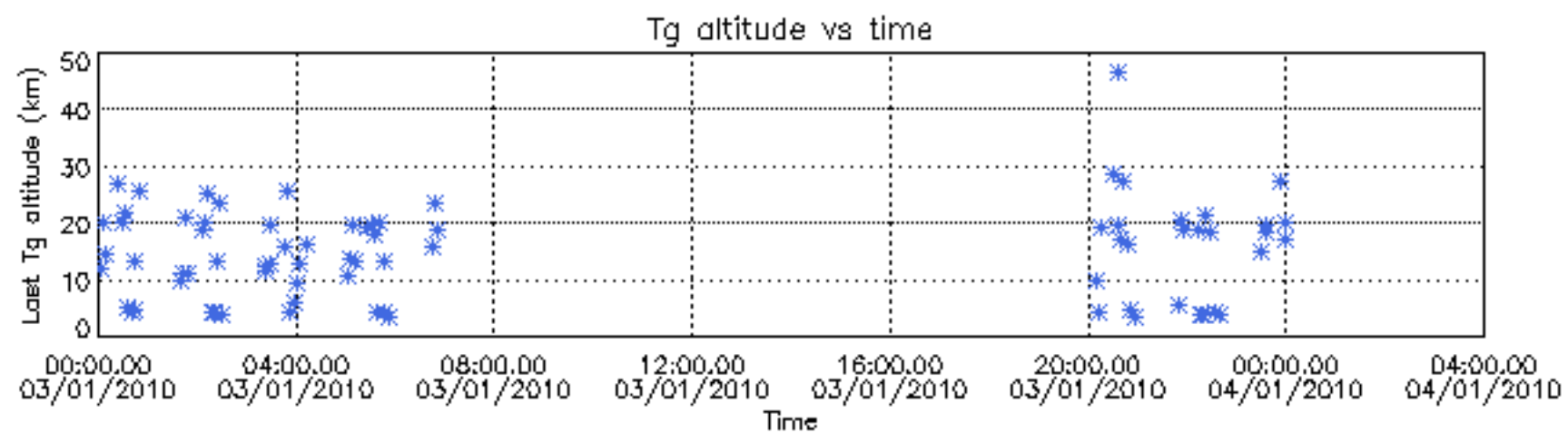
Percentage of saturation errors per profile



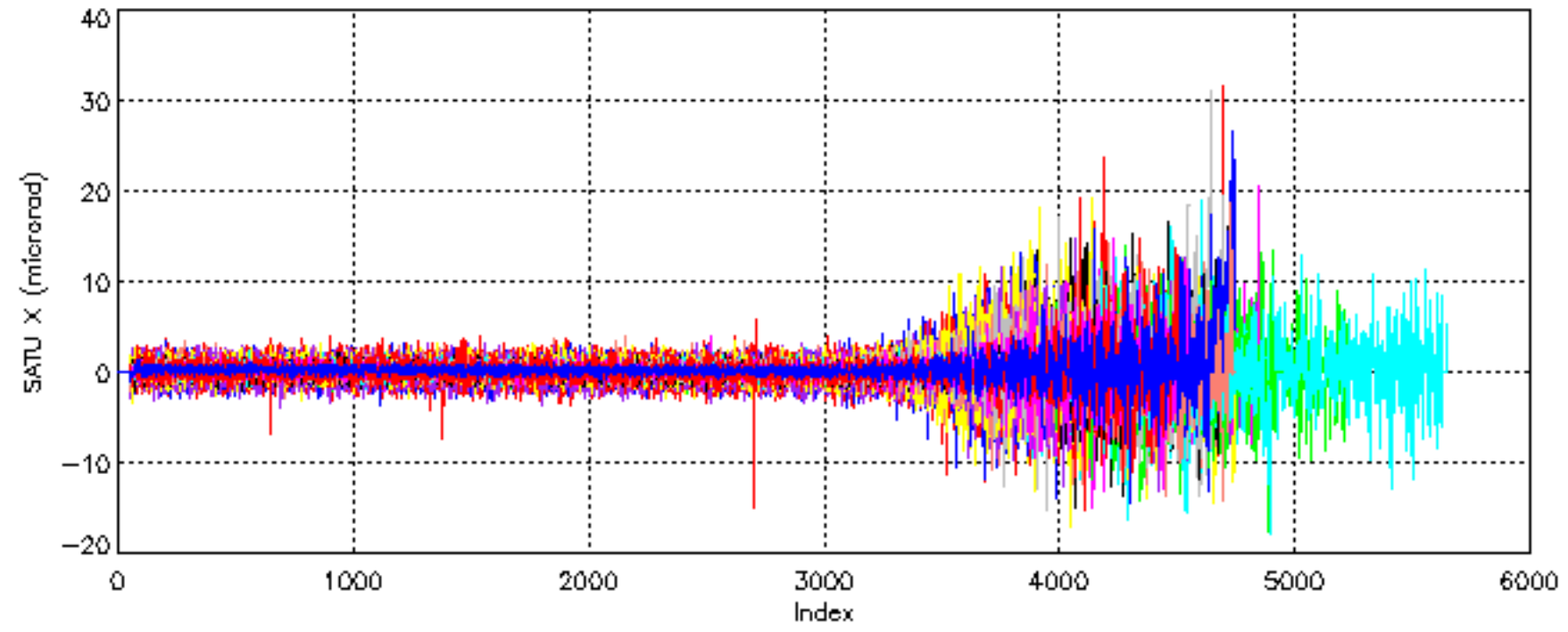
Tangent altitude at which the star is lost

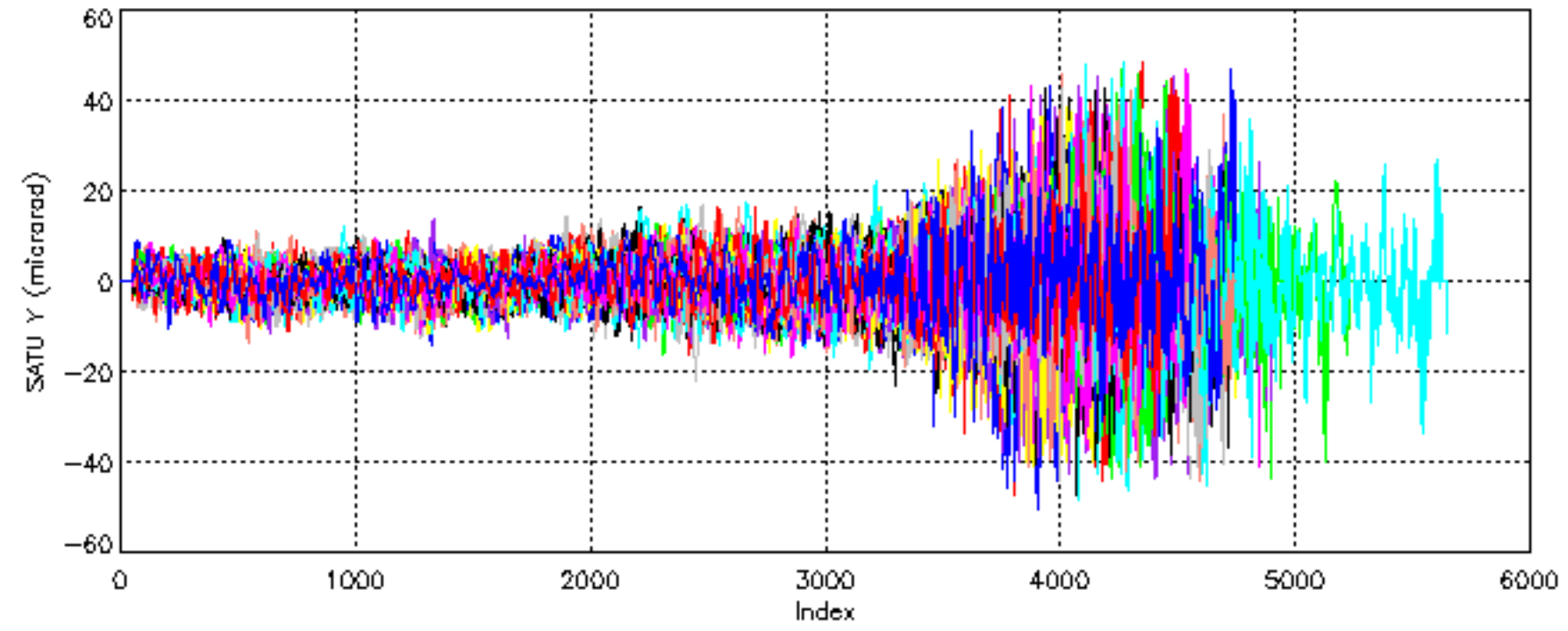


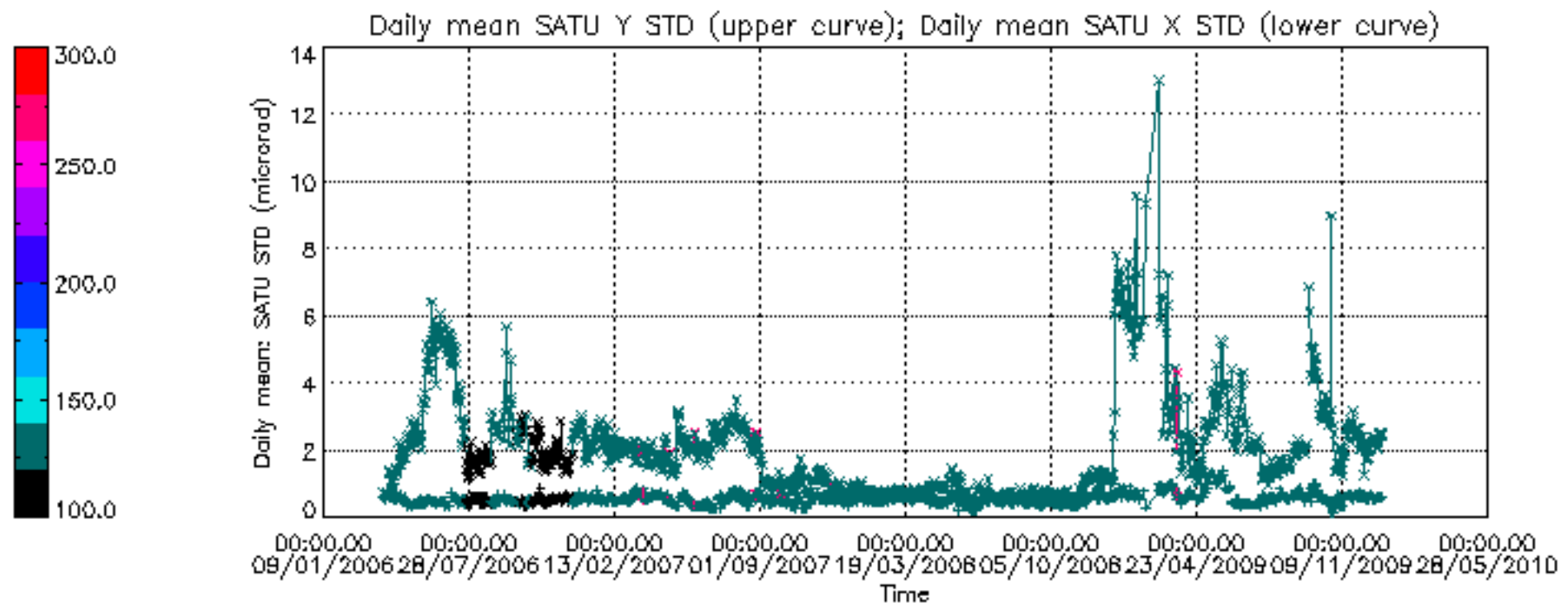
Tangent altitude at which the star is lost













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1;	-682.4;	01-JAN-2010	00:14:36;	Dark	;	43.0;	122;	9Alp2Lib	;	2.75;	9700;	occ;	86;	0;	40980
2;	-269.4;	01-JAN-2010	00:21:29;	Dark	;	44.0;	54;	5The Cen	;	2.06;	4500;	occ;	88;	0;	40980
3;	-103.6;	01-JAN-2010	00:24:15;	Dark	;	40.5;	95;	Zet Cen	;	2.55;	26000;	occ;	81;	0;	40980
4;	1.0;	01-JAN-2010	00:26:00;	Dark	;	41.0;	77;	Eps Cen	;	2.30;	28000;	occ;	82;	0;	40981
5;	106.3;	01-JAN-2010	00:27:45;	Dark	;	43.0;	64;	Gam Cen	;	2.20;	10600;	occ;	86;	0;	40981
6;	209.9;	01-JAN-2010	00:29:28;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	40981
7;	476.2;	01-JAN-2010	00:33:55;	Dark	;	46.5;	113;	Mu Vel	;	2.69;	5000;	occ;	93;	0;	40981
8;	630.5;	01-JAN-2010	00:36:29;	Dark	;	49.0;	71;	Iot Car	;	2.25;	7700;	occ;	98;	0;	40981
9;	727.5;	01-JAN-2010	00:38:06;	Dark	;	51.5;	41;	Eps Car	;	1.86;	4100;	occ;	103;	0;	40981
10;	916.1;	01-JAN-2010	00:41:15;	Dark	;	46.0;	34;	Gam2Vel	;	1.79;	23000;	occ;	92;	0;	40981
11;	1047.9;	01-JAN-2010	00:43:26;	Dark	;	45.0;	70;	Zet Pup	;	2.25;	39000;	occ;	90;	0;	40981
12;	1172.3;	01-JAN-2010	00:45:31;	Dark	;	47.0;	117;	Pi Pup	;	2.71;	3800;	occ;	94;	0;	40981
13;	1340.4;	01-JAN-2010	00:48:19;	Dark	;	45.5;	23;	21Eps CMA	;	1.50;	26000;	occ;	91;	0;	40981
14;	1433.2;	01-JAN-2010	00:49:52;	Dark	;	44.0;	179;	240mi2CMA	;	3.03;	24000;	occ;	88;	0;	40981
15;	1581.4;	01-JAN-2010	00:52:20;	Dark	;	45.0;	1;	9Alp CMA	;	-1.44;	11000;	occ;	90;	0;	40981
16;	1730.7;	01-JAN-2010	00:54:49;	Dark	;	36.0;	56;	53Kap Ori	;	2.07;	30000;	occ;	72;	0;	40981
17;	1881.4;	01-JAN-2010	00:57:20;	Dark	;	41.5;	30;	46Eps Ori	;	1.69;	30000;	occ;	83;	0;	40981
18;	2032.7;	01-JAN-2010	00:59:51;	Dark	;	55.0;	14;	58Alp Ori	;	0.87;	3000;	occ;	110;	0;	40981
19;	2229.2;	01-JAN-2010	01:03:08;	Dark	;	53.0;	44;	24Gam Gem	;	1.93;	11000;	occ;	106;	0;	40981
20;	2327.3;	01-JAN-2010	01:04:46;	Bright;	;	44.0;	151;	13Mu Gem	;	2.89;	3000;	occ;	88;	0;	40981
21;	2566.8;	01-JAN-2010	01:08:45;	Bright;	;	39.5;	107;	37The Aur	;	2.65;	11000;	occ;	79;	0;	40981
22;	2692.3;	01-JAN-2010	01:10:51;	Bright;	;	42.0;	6;	13Alp Aur	;	0.08;	3400;	occ;	84;	0;	40981
23;	3691.0;	01-JAN-2010	01:27:30;	Bright;	;	39.5;	60;	7Bet UMi	;	2.08;	3950;	occ;	79;	0;	40981
24;	3911.7;	01-JAN-2010	01:31:10;	Bright;	;	50.5;	32;	77Eps UMa	;	1.76;	11000;	occ;	101;	0;	40981
25;	4108.8;	01-JAN-2010	01:34:27;	Bright;	;	66.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	132;	0;	40981
26;	4353.0;	01-JAN-2010	01:38:32;	Bright;	;	40.5;	180;	27Gam Boo	;	3.04;	8000;	occ;	81;	0;	40981
27;	4574.5;	01-JAN-2010	01:42:13;	Bright;	;	62.0;	83;		;	2.38;	11000;	occ;	124;	0;	40981
28;	4770.9;	01-JAN-2010	01:45:29;	Bright;	;	53.5;	3;	16Alp Boo	;	-0.05;	4250;	occ;	107;	0;	40981
29;	5194.3;	01-JAN-2010	01:52:33;	Bright;	;	55.5;	104;	27Bet Lib	;	2.61;	13100;	occ;	111;	0;	40981

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1;	-838.1;	01-JAN-2010	01:52:36;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	112;	7;	40981
2;	-681.9;	01-JAN-2010	01:55:13;	Dark	;	43.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	87;	0;	40981
3;	-268.9;	01-JAN-2010	02:02:06;	Dark	;	54.0;	54;	5The Cen	;	2.06;	4500;	occ;	108;	0;	40981
4;	-102.9;	01-JAN-2010	02:04:52;	Dark	;	39.5;	95;	Zet Cen	;	2.55;	26000;	occ;	79;	0;	40981
5;	1.6;	01-JAN-2010	02:06:36;	Dark	;	39.5;	77;	Eps Cen	;	2.30;	28000;	occ;	79;	0;	40982
6;	107.0;	01-JAN-2010	02:08:22;	Dark	;	44.0;	64;	Gam Cen	;	2.20;	10600;	occ;	88;	0;	40982
7;	210.8;	01-JAN-2010	02:10:05;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	40982
8;	477.2;	01-JAN-2010	02:14:32;	Dark	;	48.0;	113;	Mu Vel	;	2.69;	5000;	occ;	96;	0;	40982
9;	631.0;	01-JAN-2010	02:17:05;	Dark	;	41.0;	71;	Iot Car	;	2.25;	7700;	occ;	82;	0;	40982
10;	745.4;	01-JAN-2010	02:19:00;	Dark	;	46.0;	46;	Del Vel	;	1.95;	10600;	occ;	92;	0;	40982
11;	916.7;	01-JAN-2010	02:21:51;	Dark	;	46.0;	34;	Gam2Vel	;	1.79;	23000;	occ;	92;	0;	40982
12;	1048.4;	01-JAN-2010	02:24:03;	Dark	;	48.5;	70;	Zet Pup	;	2.25;	39000;	occ;	97;	0;	40982
13;	1172.7;	01-JAN-2010	02:26:07;	Dark	;	48.0;	117;	Pi Pup	;	2.71;	3800;	occ;	96;	0;	40982
14;	1340.9;	01-JAN-2010	02:28:55;	Dark	;	46.5;	23;	21Eps CMA	;	1.50;	26000;	occ;	93;	0;	40982
15;	1433.4;	01-JAN-2010	02:30:28;	Dark	;	45.0;	179;	240mi2CMA	;	3.03;	24000;	occ;	90;	0;	40982
16;	1581.5;	01-JAN-2010	02:32:56;	Dark	;	39.5;	1;	9Alp CMA	;	-1.44;	11000;	occ;	79;	0;	40982
17;	1731.0;	01-JAN-2010	02:35:25;	Dark	;	41.5;	56;	53Kap Ori	;	2.07;	30000;	occ;	83;	0;	40982
18;	1881.3;	01-JAN-2010	02:37:56;	Dark	;	41.5;	30;	46Eps Ori	;	1.69;	30000;	occ;	83;	0;	40982
19;	2032.7;	01-JAN-2010	02:40:27;	Dark	;	50.5;	14;	58Alp Ori	;	0.87;	3000;	occ;	101;	0;	40982
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21;	2327.1;	01-JAN-2010	02:45:22;	Bright;	;	46.5;	151;	13Mu Gem	;	2.89;	3000;	occ;	93;	0;	40982
22;	2566.5;	01-JAN-2010	02:49:21;	Bright;	;	39.5;	107;	37The Aur	;	2.65;	11000;	occ;	79;	0;	40982
23;	2692.2;	01-JAN-2010	02:51:27;	Bright;	;	42.5;	6;	13Alp Aur	;	0.08;	3400;	occ;	85;	0;	40982
24;	3690.9;	01-JAN-2010	03:08:05;	Bright;	;	39.5;	60;	7Bet UMi	;	2.08;	3950;	occ;	79;	0;	40982

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1;	-2124.7;	01-JAN-2010	03:11:46;	Bright;	;	52.0;	32;	77Eps UMa	;	1.76;	11000;	occ;	104;	0;	40982
2;	-1927.2;	01-JAN-2010	03:15:03;	Bright;	;	66.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	132;	0;	40982
3;	-1682.7;	01-JAN-2010	03:19:08;	Bright;	;	62.0;	180;	27Gam Boo	;	3.04;	8000;	occ;	124;	0;	40982
4;	-1461.4;	01-JAN-2010	03:22:49;	Bright;	;	42.0;	83;		;	2.38;	11000;	occ;	84;	0;	40982
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9;	-267.8;	01-JAN-2010	03:42:43;	Dark	;	47.5;	54;	5The Cen	;	2.06;	4500;	occ;	95;	0;	40982
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15; 3906.5; 01-JAN-2010 21:38:16; Bright; 46.5; 32; 77Eps UMa ; 1.76; 11000;occ; 93; 0;40993
16; 4106.3; 01-JAN-2010 21:41:36; Bright; 53.0; 39; 85Eta UMa ; 1.85; 24000;occ; 106; 0;40993
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17; 4782.6; 02-JAN-2010 21:21:15; Bright; 56.0; 3; 16Alp Boo ; -0.05; 4250;occ; 112; 0;41007
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23; 3900.4; 02-JAN-2010 22:47:09; Bright; 58.0; 32; 77Eps UMa ; 1.76; 11000;occ; 116; 0;41008
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20;	3688.1;	03-JAN-2010	00:24:13;	Bright;	;	34.5;	60;	7Bet UMi	;	2.08;	3950;occ;	69;	0;41009
21;	3899.8;	03-JAN-2010	00:27:45;	Bright;	;	49.0;	32;	77Eps UMA	;	1.76;	11000;occ;	98;	0;41009
22;	4103.0;	03-JAN-2010	00:31:08;	Bright;	;	45.5;	39;	85Eta UMA	;	1.85;	24000;occ;	91;	0;41009
23;	4353.7;	03-JAN-2010	00:35:18;	Bright;	;	63.0;	180;	27Gam Boo	;	3.04;	8000;occ;	126;	0;41009
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25;	4783.4;	03-JAN-2010	00:42:28;	Bright;	;	56.5;	3;	16Alp Boo	;	-0.05;	4250;occ;	113;	0;41009
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27;	5207.8;	03-JAN-2010	00:49:33;	Bright;	;	36.0;	104;	27Bet Lib	;	2.61;	13100;occ;	72;	0;41009
28;	5371.0;	03-JAN-2010	00:52:16;	Dark	;	43.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	87;	0;41009
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9;	-671.7;	02-JAN-2010	06:25:34;	Dark	;	45.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	90;	0;40998
10;	-256.0;	02-JAN-2010	06:32:29;	Dark	;	50.5;	54;	5The Cen	;	2.06;	4500;occ;	101;	0;40998
11;	-92.2;	02-JAN-2010	06:35:13;	Dark	;	40.0;	95;	Zet Cen	;	2.55;	26000;occ;	80;	0;40998
12;	11.6;	02-JAN-2010	06:36:57;	Dark	;	39.5;	77;	Eps Cen	;	2.30;	28000;occ;	79;	0;40999
13;	121.1;	02-JAN-2010	06:38:47;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;occ;	89;	0;40999
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17;	754.7;	02-JAN-2010	06:49:20;	Dark	;	45.5;	46;	Del Vel	;	1.95;	10600;occ;	91;	0;40999
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22;	1437.4;	02-JAN-2010	07:00:43;	Dark	;	44.0;	179;	240mi2CMA	;	3.03;	24000;occ;	88;	0;40999
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2;	1868.8;	02-JAN-2010	07:07:54;	Dark	;	41.5;	33;	50Zet Ori	;	1.77;	30000;occ;	83;	0;40999
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4;	2223.4;	02-JAN-2010	07:13:49;	Dark	;	45.5;	44;	24Gam Gem	;	1.93;	11000;occ;	91;	0;40999
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6;	2562.7;	02-JAN-2010	07:19:28;	Bright;	;	38.5;	107;	37The Aur	;	2.65;	11000;occ;	77;	0;40999
7;	2691.3;	02-JAN-2010	07:21:37;	Bright;	;	42.0;	6;	13Alp Aur	;	0.08;	3400;occ;	84;	0;40999
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9;	3904.1;	02-JAN-2010	07:41:50;	Bright;	;	46.5;	32;	77Eps UMA	;	1.76;	11000;occ;	93;	0;40999
10;	4105.2;	02-JAN-2010	07:45:11;	Bright;	;	44.0;	39;	85Eta UMA	;	1.85;	24000;occ;	88;	0;40999
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17; 6057.3; 03-JAN-2010 11:07:18; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41015  
18; 6171.0; 03-JAN-2010 11:09:11; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;41015  
19; 6278.3; 03-JAN-2010 11:10:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41015  
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21; 6684.9; 03-JAN-2010 11:17:45; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41015  
22; 6799.4; 03-JAN-2010 11:19:40; Dark ; 40.0; 46; Del Vel ; 1.95; 10600;occ; 80; 0;41015  
23; 6969.8; 03-JAN-2010 11:22:30; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;41015  
24; 7101.2; 03-JAN-2010 11:24:41; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;41015  
25; 7220.9; 03-JAN-2010 11:26:41; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;41015  
26; 7386.1; 03-JAN-2010 11:29:26; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;41015  
27; 7477.1; 03-JAN-2010 11:30:57; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;41015  
28; 7621.7; 03-JAN-2010 11:33:22; Dark ; 0.0; 1; 9Alp CMa ;-1.44; 11000;occ; 88; 0;41015

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3; 2218.3; 03-JAN-2010 11:43:54; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;41016  
4; 2317.5; 03-JAN-2010 11:45:34; Bright; 45.0; 151; 13Mu Gem ; 2.89; 3000;occ; 90; 0;41016  
5; 2558.8; 03-JAN-2010 11:49:35; Bright; 40.0; 107; 37The Aur ; 2.65; 11000;occ; 80; 0;41016  
6; 2692.6; 03-JAN-2010 11:51:49; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;41016  
7; 3687.4; 03-JAN-2010 12:08:24; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41016  
8; 3896.8; 03-JAN-2010 12:11:53; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;41016  
9; 3959.8; 03-JAN-2010 12:12:56; Bright; 46.0; 55; 79Zet UMa ; 2.06; 10200;occ; 92; 0;41016  
10; 4101.4; 03-JAN-2010 12:15:18; Bright; 60.5; 39; 85Eta UMa ; 1.85; 24000;occ; 121; 0;41016  
11; 4354.0; 03-JAN-2010 12:19:30; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;41016  
12; 4582.0; 03-JAN-2010 12:23:18; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;41016  
13; 4786.8; 03-JAN-2010 12:26:43; Bright; 52.0; 3; 16Alp Boo ;-0.05; 4250;occ; 104; 0;41016  
14; 4901.4; 03-JAN-2010 12:28:38; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41016  
15; 5211.5; 03-JAN-2010 12:33:48; Bright; 57.0; 104; 27Bet Lib ; 2.61; 13100;occ; 114; 0;41016  
16; 5375.6; 03-JAN-2010 12:36:32; Dark ; 44.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 88; 0;41016  
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19; 6057.8; 03-JAN-2010 12:47:54; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;41016  
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23; 6685.7; 03-JAN-2010 12:58:22; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;41016  
24; 6799.8; 03-JAN-2010 13:00:16; Dark ; 43.5; 46; Del Vel ; 1.95; 10600;occ; 87; 0;41016  
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26; 7101.6; 03-JAN-2010 13:05:18; Dark ; 42.5; 70; Zet Pup ; 2.25; 39000;occ; 85; 0;41016  
27; 7221.2; 03-JAN-2010 13:07:17; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;41016  
28; 7386.1; 03-JAN-2010 13:10:02; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;41016  
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3; 2218.1; 03-JAN-2010 13:24:30; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;41017  
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5; 2558.8; 03-JAN-2010 13:30:11; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;41017  
6; 2692.4; 03-JAN-2010 13:32:24; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;41017  
7; 3687.2; 03-JAN-2010 13:48:59; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;41017  
8; 3896.2; 03-JAN-2010 13:52:28; Bright; 44.0; 32; 77Eps UMa ; 1.76; 11000;occ; 88; 0;41017  
9; 3959.1; 03-JAN-2010 13:53:31; Bright; 67.0; 55; 79Zet UMa ; 2.06; 10200;occ; 134; 0;41017  
10; 4100.9; 03-JAN-2010 13:55:53; Bright; 50.0; 39; 85Eta UMa ; 1.85; 24000;occ; 100; 0;41017  
11; 4354.3; 03-JAN-2010 14:00:06; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;41017  
12; 4582.3; 03-JAN-2010 14:03:54; Bright; 64.0; 83; ; 2.38; 11000;occ; 128; 0;41017  
13; 4787.2; 03-JAN-2010 14:07:19; Bright; 52.0; 3; 16Alp Boo ;-0.05; 4250;occ; 104; 0;41017  
14; 4902.2; 03-JAN-2010 14:09:14; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;41017  
15; 5211.8; 03-JAN-2010 14:14:24; Bright; 57.0; 104; 27Bet Lib ; 2.61; 13100;occ; 114; 0;41017

16; 5376.4; 03-JAN-2010 14:17:08; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;41017  
 17; 5794.2; 03-JAN-2010 14:24:06; Dark ; 55.0; 54; 5The Cen ; 2.06; 4500;occ; 110; 0;41017  
 18; 5955.9; 03-JAN-2010 14:26:48; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 0;41017  
 19; 6058.6; 03-JAN-2010 14:28:31; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;41017  
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 21; 6280.2; 03-JAN-2010 14:32:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41017  
 22; 6544.9; 03-JAN-2010 14:36:37; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;41017  
 23; 6686.1; 03-JAN-2010 14:38:58; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;41017  
 24; 6800.6; 03-JAN-2010 14:40:53; Dark ; 46.0; 46; Del Vel ; 1.95; 10600;occ; 92; 0;41017  
 25; 6970.8; 03-JAN-2010 14:43:43; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;41017  
 26; 7102.1; 03-JAN-2010 14:45:54; Dark ; 44.0; 70; Zet Pup ; 2.25; 39000;occ; 88; 0;41017  
 27; 7221.5; 03-JAN-2010 14:47:54; Dark ; 49.0; 117; Pi Pup ; 2.71; 3800;occ; 98; 0;41017  
 28; 7386.4; 03-JAN-2010 14:50:38; Dark ; 44.5; 23; 21Eps CMA ; 1.50; 26000;occ; 89; 0;41017

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 3; 1586.1; 03-JAN-2010 14:54:34; Dark ; 50.5; 1; 9Alp CMA ;-1.44; 11000;occ; 101; 0;41018  
 4; 2031.4; 03-JAN-2010 15:01:59; Dark ; 49.5; 14; 58Alp Ori ; 0.87; 3000;occ; 99; 0;41018  
 5; 2217.9; 03-JAN-2010 15:05:06; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;41018  
 6; 2316.8; 03-JAN-2010 15:06:45; Bright; 44.5; 151; 13Mu Gem ; 2.89; 3000;occ; 89; 0;41018  
 7; 2558.7; 03-JAN-2010 15:10:47; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;41018  
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 9; 3687.3; 03-JAN-2010 15:29:35; Bright; 49.5; 60; 7Bet UMi ; 2.08; 3950;occ; 99; 0;41018  
 10; 3896.2; 03-JAN-2010 15:33:04; Bright; 40.0; 32; 77Eps UMA ; 1.76; 11000;occ; 80; 0;41018  
 11; 3959.3; 03-JAN-2010 15:34:07; Bright; 49.0; 55; 79Zet UMA ; 2.06; 10200;occ; 98; 0;41018  
 12; 4100.8; 03-JAN-2010 15:36:29; Bright; 46.0; 39; 85Eta UMA ; 1.85; 24000;occ; 92; 0;41018  
 13; 4354.2; 03-JAN-2010 15:40:42; Bright; 64.0; 180; 27Gam Boo ; 3.04; 8000;occ; 128; 0;41018  
 14; 4582.6; 03-JAN-2010 15:44:31; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;41018  
 15; 4787.8; 03-JAN-2010 15:47:56; Bright; 44.0; 3; 16Alp Boo ;-0.05; 4250;occ; 88; 0;41018  
 16; 4902.5; 03-JAN-2010 15:49:50; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41018  
 17; 5212.3; 03-JAN-2010 15:55:00; Bright; 57.0; 104; 27Bet Lib ; 2.61; 13100;occ; 114; 0;41018  
 18; 5376.9; 03-JAN-2010 15:57:45; Dark ; 48.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 96; 0;41018  
 19; 5795.1; 03-JAN-2010 16:04:43; Dark ; 53.5; 54; 5The Cen ; 2.06; 4500;occ; 107; 0;41018  
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 22; 6173.8; 03-JAN-2010 16:11:02; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41018  
 23; 6281.2; 03-JAN-2010 16:12:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41018  
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 26; 6801.1; 03-JAN-2010 16:21:29; Dark ; 51.5; 46; Del Vel ; 1.95; 10600;occ; 103; 0;41018  
 27; 6971.4; 03-JAN-2010 16:24:19; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;41018  
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 12; 3958.8; 03-JAN-2010 17:14:43; Bright; 48.0; 55; 79Zet UMA ; 2.06; 10200;occ; 96; 0;41019  
 13; 4100.8; 03-JAN-2010 17:17:05; Bright; 47.5; 39; 85Eta UMA ; 1.85; 24000;occ; 95; 0;41019  
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 17; 4902.7; 03-JAN-2010 17:30:27; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;41019  
 18; 5212.8; 03-JAN-2010 17:35:37; Bright; 57.0; 104; 27Bet Lib ; 2.61; 13100;occ; 114; 0;41019  
 19; 5377.9; 03-JAN-2010 17:38:22; Dark ; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;41019  
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 21; 5957.4; 03-JAN-2010 17:48:01; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;41019  
 22; 6059.7; 03-JAN-2010 17:49:44; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;41019  
 23; 6174.6; 03-JAN-2010 17:51:39; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;41019  
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12; 3895.0; 03-JAN-2010 18:54:15; Bright; 36.0; 32; 77Eps UMa ; 1.76; 11000;occ; 72; 0;41020
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13; 1351.8; 04-JAN-2010 00:54:15; Dark ; 43.5; 23; 21Eps CMa ; 1.50; 26000;occ; 87; 0;41024
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 11; 944.3; 05-JAN-2010 00:15:51; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;41038  
 12; 1075.6; 05-JAN-2010 00:18:02; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;41038  
 13; 1192.2; 05-JAN-2010 00:19:59; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;41038  
 14; 1355.7; 05-JAN-2010 00:22:42; Dark ; 43.5; 23; 21Eps CMa ; 1.50; 26000;occ; 87; 0;41038  
 15; 1445.6; 05-JAN-2010 00:24:12; Dark ; 43.5; 179; 240mi2CMa ; 3.03; 24000;occ; 87; 0;41038

16; 1588.5; 05-JAN-2010 00:26:35; Dark ; 38.5; 1; 9Alp CMa ; -1.44; 11000;occ; 77; 0;41038  
 17; 2031.0; 05-JAN-2010 00:33:58; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;41038  
 18; 2212.4; 05-JAN-2010 00:36:59; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;41038  
 19; 2311.8; 05-JAN-2010 00:38:38; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;41038  
 20; 2554.3; 05-JAN-2010 00:42:41; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;41038  
 21; 2688.0; 05-JAN-2010 00:44:55; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41038  
 22; 3684.5; 05-JAN-2010 01:01:31; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;41038  
 23; 3951.8; 05-JAN-2010 01:05:58; Bright; 50.0; 55; 79Zet UMa ; 2.06; 10200;occ; 100; 0;41038  
 24; 4354.7; 05-JAN-2010 01:12:41; Bright; 42.0; 180; 27Gam Boo ; 3.04; 8000;occ; 84; 0;41038  
 25; 4586.9; 05-JAN-2010 01:16:33; Bright; 65.0; 83; ; 2.38; 11000;occ; 130; 0;41038  
 26; 4908.9; 05-JAN-2010 01:21:56; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41038  
 27; 5222.5; 05-JAN-2010 01:27:09; Bright; 42.5; 104; 27Bet Lib ; 2.61; 13100;occ; 85; 0;41038

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 2; -2143.9; 04-JAN-2010 06:38:23; Bright; 25.0; 32; 77Eps UMa ; 1.76; 11000;occ; 50; 0;41027  
 3; -2080.0; 04-JAN-2010 06:39:27; Bright; 47.0; 55; 79Zet UMa ; 2.06; 10200;occ; 94; 0;41027  
 4; -1937.3; 04-JAN-2010 06:41:50; Bright; 47.0; 39; 85Eta UMa ; 1.85; 24000;occ; 94; 0;41027  
 5; -1681.5; 04-JAN-2010 06:46:06; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;41027  
 6; -1451.4; 04-JAN-2010 06:49:56; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;41027  
 7; -1130.5; 04-JAN-2010 06:55:17; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41027  
 8; -819.0; 04-JAN-2010 07:00:28; Bright; 44.0; 104; 27Bet Lib ; 2.61; 13100;occ; 88; 0;41027  
 9; -653.1; 04-JAN-2010 07:03:14; Dark ; 47.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 94; 0;41027  
 10; -233.8; 04-JAN-2010 07:10:14; Dark ; 46.5; 54; 5The Cen ; 2.06; 4500;occ; 93; 0;41027  
 11; 145.3; 04-JAN-2010 07:16:33; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;41028  
 12; 253.6; 04-JAN-2010 07:18:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41028  
 13; 517.9; 04-JAN-2010 07:22:45; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;41028  
 14; 655.5; 04-JAN-2010 07:25:03; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41028  
 15; 769.9; 04-JAN-2010 07:26:57; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41028  
 16; 939.9; 04-JAN-2010 07:29:47; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41028  
 17; 1071.1; 04-JAN-2010 07:31:58; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;41028  
 18; 1189.1; 04-JAN-2010 07:33:56; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;41028  
 19; 1353.2; 04-JAN-2010 07:36:41; Dark ; 45.0; 23; 21Eps CMa ; 1.50; 26000;occ; 90; 0;41028  
 20; 1443.7; 04-JAN-2010 07:38:11; Dark ; 45.0; 179; 24Omi2CMA ; 3.03; 24000;occ; 90; 0;41028  
 21; 1587.4; 04-JAN-2010 07:40:35; Dark ; 48.0; 1; 9Alp CMa ; -1.44; 11000;occ; 96; 0;41028

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1; 1634.9; 04-JAN-2010 07:41:22; Dark ; 48.5; 1; 9Alp CMa ; -1.44; 11000;occ; 97; 95;41028  
 2; 2031.1; 04-JAN-2010 07:47:58; Dark ; 49.5; 14; 58Alp Ori ; 0.87; 3000;occ; 99; 0;41028  
 3; 2215.0; 04-JAN-2010 07:51:02; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;41028  
 4; 2314.4; 04-JAN-2010 07:52:42; Bright; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;41028  
 5; 2556.5; 04-JAN-2010 07:56:44; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;41028  
 6; 2690.1; 04-JAN-2010 07:58:57; Bright; 39.0; 42; 34Bet Aur ; 1.90; 10200;occ; 78; 0;41028  
 7; 3686.0; 04-JAN-2010 08:15:33; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;41028  
 8; 3955.7; 04-JAN-2010 08:20:03; Bright; 44.5; 55; 79Zet UMa ; 2.06; 10200;occ; 89; 0;41028  
 9; 4098.5; 04-JAN-2010 08:22:26; Bright; 68.0; 39; 85Eta UMa ; 1.85; 24000;occ; 136; 0;41028  
 10; 4354.6; 04-JAN-2010 08:26:42; Bright; 44.0; 180; 27Gam Boo ; 3.04; 8000;occ; 88; 0;41028  
 11; 4584.5; 04-JAN-2010 08:30:32; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;41028  
 12; 4905.6; 04-JAN-2010 08:35:53; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;41028  
 13; 5217.3; 04-JAN-2010 08:41:05; Bright; 57.0; 104; 27Bet Lib ; 2.61; 13100;occ; 114; 0;41028  
 14; 5383.7; 04-JAN-2010 08:43:51; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;41028  
 15; 5802.8; 04-JAN-2010 08:50:50; Dark ; 48.0; 54; 5The Cen ; 2.06; 4500;occ; 96; 0;41028  
 16; 5963.0; 04-JAN-2010 08:53:30; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;41028  
 17; 6065.2; 04-JAN-2010 08:55:13; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;41028  
 18; 6182.1; 04-JAN-2010 08:57:10; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41028  
 19; 6290.5; 04-JAN-2010 08:58:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41028  
 20; 6554.6; 04-JAN-2010 09:03:22; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;41028  
 21; 6691.8; 04-JAN-2010 09:05:39; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;41028  
 22; 6806.2; 04-JAN-2010 09:07:34; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41028  
 23; 6975.9; 04-JAN-2010 09:10:23; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;41028  
 24; 7107.2; 04-JAN-2010 09:12:35; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;41028  
 25; 7225.4; 04-JAN-2010 09:14:33; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;41028  
 26; 7389.3; 04-JAN-2010 09:17:17; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;41028  
 27; 7479.7; 04-JAN-2010 09:18:47; Dark ; 43.5; 179; 24Omi2CMA ; 3.03; 24000;occ; 87; 0;41028  
 28; 7623.2; 04-JAN-2010 09:21:11; Dark ; 49.5; 1; 9Alp CMa ; -1.44; 11000;occ; 99; 0;41028

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1; 1624.8; 04-JAN-2010 09:21:48; Dark ; 50.0; 1; 9Alp CMa ; -1.44; 11000;occ; 100; 75;41029  
 2; 2031.1; 04-JAN-2010 09:28:34; Dark ; 50.0; 14; 58Alp Ori ; 0.87; 3000;occ; 100; 0;41029  
 3; 2214.7; 04-JAN-2010 09:31:38; Dark ; 44.0; 44; 24Gam Gem ; 1.93; 11000;occ; 88; 0;41029  
 4; 2314.1; 04-JAN-2010 09:33:17; Bright; 58.0; 151; 13Mu Gem ; 2.89; 3000;occ; 116; 0;41029



5; 2556.5; 04-JAN-2010 09:37:20; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;41029  
6; 2689.8; 04-JAN-2010 09:39:33; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;41029  
7; 3686.2; 04-JAN-2010 09:56:09; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;41029  
8; 3955.0; 04-JAN-2010 10:00:38; Bright; 49.5; 55; 79Zet UMa ; 2.06; 10200;occ; 99; 0;41029  
9; 4098.3; 04-JAN-2010 10:03:02; Bright; 48.0; 39; 85Eta UMa ; 1.85; 24000;occ; 96; 0;41029  
10; 4354.4; 04-JAN-2010 10:07:18; Bright; 44.5; 180; 27Gam Boo ; 3.04; 8000;occ; 89; 0;41029  
11; 4585.1; 04-JAN-2010 10:11:08; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;41029  
12; 4905.7; 04-JAN-2010 10:16:29; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41029  
13; 5218.0; 04-JAN-2010 10:21:41; Bright; 51.0; 104; 27Bet Lib ; 2.61; 13100;occ; 102; 0;41029  
14; 5384.3; 04-JAN-2010 10:24:28; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;41029  
15; 5803.6; 04-JAN-2010 10:31:27; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;41029  
16; 5963.6; 04-JAN-2010 10:34:07; Dark ; 45.5; 95; Zet Cen ; 2.55; 26000;occ; 91; 0;41029  
17; 6065.8; 04-JAN-2010 10:35:49; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;41029  
18; 6182.9; 04-JAN-2010 10:37:46; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;41029  
19; 6291.4; 04-JAN-2010 10:39:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41029  
20; 6555.2; 04-JAN-2010 10:43:59; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;41029  
21; 6692.4; 04-JAN-2010 10:46:16; Dark ; 47.5; 71; Iot Car ; 2.25; 7700;occ; 95; 0;41029  
22; 6806.9; 04-JAN-2010 10:48:10; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41029  
23; 6976.7; 04-JAN-2010 10:51:00; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;41029  
24; 7107.7; 04-JAN-2010 10:53:11; Dark ; 47.5; 70; Zet Pup ; 2.25; 39000;occ; 95; 0;41029  
25; 7225.8; 04-JAN-2010 10:55:09; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;41029  
26; 7389.4; 04-JAN-2010 10:57:53; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;41029  
27; 7480.0; 04-JAN-2010 10:59:23; Dark ; 43.5; 179; 240mi2CMa ; 3.03; 24000;occ; 87; 0;41029  
28; 7623.3; 04-JAN-2010 11:01:47; Dark ; 17.0; 1; 9Alp CMa ; -1.44; 11000;occ; 34; 0;41029

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1; 1587.4; 04-JAN-2010 11:01:47; Dark ; 48.5; 1; 9Alp CMa ; -1.44; 11000;occ; 97; 0;41030  
2; 2031.1; 04-JAN-2010 11:09:10; Dark ; 49.5; 14; 58Alp Ori ; 0.87; 3000;occ; 99; 0;41030  
3; 2214.6; 04-JAN-2010 11:12:14; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;41030  
4; 2313.9; 04-JAN-2010 11:13:53; Bright; 45.5; 151; 13Mu Gem ; 2.89; 3000;occ; 91; 0;41030  
5; 2556.2; 04-JAN-2010 11:17:55; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;41030  
6; 2689.8; 04-JAN-2010 11:20:09; Bright; 55.0; 42; 34Bet Aur ; 1.90; 10200;occ; 110; 0;41030  
7; 3685.8; 04-JAN-2010 11:36:45; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;41030  
8; 3955.1; 04-JAN-2010 11:41:14; Bright; 44.5; 55; 79Zet UMa ; 2.06; 10200;occ; 89; 0;41030  
9; 4354.6; 04-JAN-2010 11:47:54; Bright; 64.0; 180; 27Gam Boo ; 3.04; 8000;occ; 128; 0;41030  
10; 4585.2; 04-JAN-2010 11:51:44; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;41030  
11; 4906.1; 04-JAN-2010 11:57:05; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41030  
12; 5218.5; 04-JAN-2010 12:02:18; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;41030  
13; 5385.0; 04-JAN-2010 12:05:04; Dark ; 44.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 88; 0;41030  
14; 5804.2; 04-JAN-2010 12:12:03; Dark ; 44.0; 54; 5The Cen ; 2.06; 4500;occ; 88; 0;41030  
15; 5964.4; 04-JAN-2010 12:14:44; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;41030  
16; 6066.3; 04-JAN-2010 12:16:25; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41030  
17; 6183.8; 04-JAN-2010 12:18:23; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41030  
18; 6292.3; 04-JAN-2010 12:20:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41030  
19; 6556.3; 04-JAN-2010 12:24:35; Dark ; 49.5; 113; Mu Vel ; 2.69; 5000;occ; 99; 0;41030  
20; 6692.9; 04-JAN-2010 12:26:52; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41030  
21; 6807.3; 04-JAN-2010 12:28:47; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41030  
22; 6977.2; 04-JAN-2010 12:31:36; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;41030  
23; 7108.3; 04-JAN-2010 12:33:48; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;41030  
24; 7225.8; 04-JAN-2010 12:35:45; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;41030  
25; 7389.9; 04-JAN-2010 12:38:29; Dark ; 45.0; 23; 21Eps CMa ; 1.50; 26000;occ; 90; 0;41030  
26; 7480.1; 04-JAN-2010 12:39:59; Dark ; 43.0; 179; 240mi2CMa ; 3.03; 24000;occ; 86; 0;41030

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1; 1587.7; 04-JAN-2010 12:42:23; Dark ; 52.0; 1; 9Alp CMa ; -1.44; 11000;occ; 104; 0;41031  
2; 2031.0; 04-JAN-2010 12:49:46; Dark ; 47.5; 14; 58Alp Ori ; 0.87; 3000;occ; 95; 0;41031  
3; 2214.3; 04-JAN-2010 12:52:49; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;41031  
4; 2313.6; 04-JAN-2010 12:54:29; Bright; 48.0; 151; 13Mu Gem ; 2.89; 3000;occ; 96; 0;41031  
5; 2556.0; 04-JAN-2010 12:58:31; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;41031  
6; 2689.4; 04-JAN-2010 13:00:44; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;41031  
7; 3685.5; 04-JAN-2010 13:17:21; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;41031  
8; 3954.8; 04-JAN-2010 13:21:50; Bright; 47.0; 55; 79Zet UMa ; 2.06; 10200;occ; 94; 0;41031  
9; 4354.7; 04-JAN-2010 13:28:30; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;41031  
10; 4585.4; 04-JAN-2010 13:32:20; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;41031  
11; 4906.7; 04-JAN-2010 13:37:42; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;41031  
12; 5218.8; 04-JAN-2010 13:42:54; Bright; 44.0; 104; 27Bet Lib ; 2.61; 13100;occ; 88; 0;41031  
13; 5385.6; 04-JAN-2010 13:45:41; Dark ; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;41031  
14; 5805.2; 04-JAN-2010 13:52:40; Dark ; 56.0; 54; 5The Cen ; 2.06; 4500;occ; 112; 0;41031  
15; 5965.1; 04-JAN-2010 13:55:20; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;41031  
16; 6066.9; 04-JAN-2010 13:57:02; Dark ; 38.5; 77; Eps Cen ; 2.30; 28000;occ; 77; 0;41031



17; 6184.6; 04-JAN-2010 13:59:00; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41031  
 18; 6293.3; 04-JAN-2010 14:00:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41031  
 19; 6557.2; 04-JAN-2010 14:05:12; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;41031  
 20; 6693.5; 04-JAN-2010 14:07:29; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41031  
 21; 6807.8; 04-JAN-2010 14:09:23; Dark ; 39.0; 46; Del Vel ; 1.95; 10600;occ; 78; 0;41031  
 22; 6977.7; 04-JAN-2010 14:12:13; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;41031  
 23; 7108.7; 04-JAN-2010 14:14:24; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;41031  
 24; 7226.6; 04-JAN-2010 14:16:22; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;41031  
 25; 7390.2; 04-JAN-2010 14:19:05; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;41031  
 26; 7480.6; 04-JAN-2010 14:20:36; Dark ; 41.0; 179; 240mi2CMa ; 3.03; 24000;occ; 82; 0;41031

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1; 1454.7; 04-JAN-2010 14:20:46; Dark ; 41.5; 179; 240mi2CMa ; 3.03; 24000;occ; 83; 20;41032  
 2; 1588.0; 04-JAN-2010 14:22:59; Dark ; 50.5; 1; 9Alp CMa ;-1.44; 11000;occ; 101; 0;41032  
 3; 2031.2; 04-JAN-2010 14:30:22; Dark ; 51.0; 14; 58Alp Ori ; 0.87; 3000;occ; 102; 0;41032  
 4; 2214.0; 04-JAN-2010 14:33:25; Dark ; 49.5; 44; 24Gam Gem ; 1.93; 11000;occ; 99; 0;41032  
 5; 2313.6; 04-JAN-2010 14:35:05; Bright; 46.0; 151; 13Mu Gem ; 2.89; 3000;occ; 92; 0;41032  
 6; 2555.9; 04-JAN-2010 14:39:07; Bright; 55.0; 107; 37The Aur ; 2.65; 11000;occ; 110; 0;41032  
 7; 2689.5; 04-JAN-2010 14:41:20; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;41032  
 8; 3685.6; 04-JAN-2010 14:57:57; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;41032  
 9; 3954.3; 04-JAN-2010 15:02:25; Bright; 49.0; 55; 79Zet UMa ; 2.06; 10200;occ; 98; 0;41032  
 10; 4354.6; 04-JAN-2010 15:09:06; Bright; 65.0; 180; 27Gam Boo ; 3.04; 8000;occ; 130; 0;41032  
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 18; 2205.5; 06-JAN-2010 23:33:38; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;41066  
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 21; 2683.0; 06-JAN-2010 23:41:36; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;41066  
 22; 3681.2; 06-JAN-2010 23:58:14; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;41066  
 23; 3924.4; 07-JAN-2010 00:02:17; Bright; 34.5; 119; 14Eta Dra ; 2.73; 4700;occ; 69; 0;41066  
 24; 4088.5; 07-JAN-2010 00:05:01; Bright; 51.5; 39; 85Eta UMa ; 1.85; 24000;occ; 103; 0;41066  
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 26; 4593.2; 07-JAN-2010 00:13:26; Bright; 67.0; 83; ; 2.38; 11000;occ; 134; 0;41066  
 27; 4918.8; 07-JAN-2010 00:18:51; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;41066  
 28; 5237.8; 07-JAN-2010 00:24:10; Dark ; 44.0; 104; 27Bet Lib ; 2.61; 13100;occ; 88; 0;41066

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 15; 670.4; 06-JAN-2010 08:02:40; Dark ; 48.5; 71; Iot Car ; 2.25; 7700;occ; 97; 0;41057  
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 17; 953.2; 06-JAN-2010 08:07:23; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41057  
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 6; 2684.4; 06-JAN-2010 08:36:14; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0;41057  
 7; 3682.3; 06-JAN-2010 08:52:52; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;41057  
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 9; 4091.1; 06-JAN-2010 08:59:40; Bright; 47.0; 39; 85Eta UMa ; 1.85; 24000;occ; 94; 0;41057  
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 11; 4591.4; 06-JAN-2010 09:08:01; Bright; 66.0; 83; ; 2.38; 11000;occ; 132; 0;41057  
 12; 4915.8; 06-JAN-2010 09:13:25; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;41057  
 13; 5232.8; 06-JAN-2010 09:18:42; Dark ; 46.0; 104; 27Bet Lib ; 2.61; 13100;occ; 92; 0;41057  
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 16; 5982.4; 06-JAN-2010 09:31:12; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;41057  
 17; 6082.7; 06-JAN-2010 09:32:52; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;41057  
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 27; 7485.9; 06-JAN-2010 09:56:15; Dark ; 42.5; 179; 240mi2CMa ; 3.03; 24000;occ; 85; 0;41057  
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4; 2307.8; 06-JAN-2010 10:10:33; Bright; 42.5; 151; 13Mu Gem ; 2.89; 3000;occ; 85; 0;41058  
5; 2551.2; 06-JAN-2010 10:14:36; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;41058  
6; 2684.3; 06-JAN-2010 10:16:50; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;41058  
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8; 3924.4; 06-JAN-2010 10:37:30; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;41058  
9; 4091.0; 06-JAN-2010 10:40:16; Bright; 44.0; 39; 85Eta UMa ; 1.85; 24000;occ; 88; 0;41058  
10; 4354.8; 06-JAN-2010 10:44:40; Bright; 46.0; 180; 27Gam Boo ; 3.04; 8000;occ; 92; 0;41058  
11; 4591.7; 06-JAN-2010 10:48:37; Bright; 64.0; 83; ; 2.38; 11000;occ; 128; 0;41058  
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13; 5233.3; 06-JAN-2010 10:59:19; Dark ; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;41058  
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24; 7120.8; 06-JAN-2010 11:30:46; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;41058  
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26; 7396.9; 06-JAN-2010 11:35:22; Dark ; 44.0; 23; 21Eps CMa ; 1.50; 26000;occ; 88; 0;41058  
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6; 2550.9; 06-JAN-2010 13:35:48; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;41060  
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19; 1202.6; 07-JAN-2010 05:59:19; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;41070
20; 1363.5; 07-JAN-2010 06:02:00; Dark ; 42.5; 23; 21Eps CMA ; 1.50; 26000;occ; 85; 0;41070
21; 1452.2; 07-JAN-2010 06:03:29; Dark ; 41.5; 179; 24Omi2CMA ; 3.03; 24000;occ; 83; 0;41070
22; 1592.6; 07-JAN-2010 06:05:49; Dark ; 46.5; 1; 9Alp CMA ; -1.44; 11000;occ; 93; 0;41070
23; 2031.0; 07-JAN-2010 06:13:07; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;41070
24; 2205.1; 07-JAN-2010 06:16:01; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;41070
25; 2305.6; 07-JAN-2010 06:17:42; Bright; 47.0; 151; 13Mu Gem ; 2.89; 3000;occ; 94; 0;41070
26; 2549.6; 07-JAN-2010 06:21:46; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;41070
27; 2682.5; 07-JAN-2010 06:23:59; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;41070

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2;	222.7;	07-JAN-2010	22:28:58;	Dark	;	39.5;	20;	Bet Cru	;	1.25;	30000;occ;	79;	0;	41080
3;	302.6;	07-JAN-2010	22:30:18;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41080
4;	481.3;	07-JAN-2010	22:33:17;	Dark	;	37.0;	124;	The Car	;	2.76;	30000;occ;	74;	0;	41080
5;	574.3;	07-JAN-2010	22:34:50;	Dark	;	39.0;	159;	Ups Car	;	2.92;	7200;occ;	78;	0;	41080
6;	681.7;	07-JAN-2010	22:36:37;	Dark	;	42.0;	71;	Iot Car	;	2.25;	7700;occ;	84;	0;	41080
7;	767.2;	07-JAN-2010	22:38:03;	Dark	;	45.0;	41;	Eps Car	;	1.86;	4100;occ;	90;	0;	41080
8;	963.3;	07-JAN-2010	22:41:19;	Dark	;	45.0;	34;	Gam2Vel	;	1.79;	23000;occ;	90;	0;	41080
9;	1094.2;	07-JAN-2010	22:43:30;	Dark	;	43.5;	70;	Zet Pup	;	2.25;	39000;occ;	87;	0;	41080
10;	1206.0;	07-JAN-2010	22:45:22;	Dark	;	46.5;	117;	Pi Pup	;	2.71;	3800;occ;	93;	0;	41080
11;	1365.9;	07-JAN-2010	22:48:02;	Dark	;	44.5;	23;	21Eps CMA	;	1.50;	26000;occ;	89;	0;	41080
12;	1454.2;	07-JAN-2010	22:49:30;	Dark	;	42.0;	179;	240mi2CMA	;	3.03;	24000;occ;	84;	0;	41080
13;	1594.0;	07-JAN-2010	22:51:50;	Dark	;	46.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	92;	0;	41080
14;	2031.1;	07-JAN-2010	22:59:07;	Dark	;	53.0;	14;	58Alp Ori	;	0.87;	3000;occ;	106;	0;	41080
15;	2202.9;	07-JAN-2010	23:01:59;	Dark	;	47.0;	44;	24Gam Gem	;	1.93;	11000;occ;	94;	0;	41080
16;	2303.6;	07-JAN-2010	23:03:39;	Bright;		44.5;	151;	13Mu Gem	;	2.89;	3000;occ;	89;	0;	41080
17;	2395.2;	07-JAN-2010	23:05:11;	Bright;		38.5;	28;	12Bet Tau	;	1.65;	15200;occ;	77;	0;	41080
18;	2547.9;	07-JAN-2010	23:07:44;	Bright;		37.5;	107;	37The Aur	;	2.65;	11000;occ;	75;	0;	41080
19;	2680.9;	07-JAN-2010	23:09:57;	Bright;		36.0;	42;	34Bet Aur	;	1.90;	10200;occ;	72;	0;	41080
20;	3423.8;	07-JAN-2010	23:22:19;	Bright;		36.0;	49;	1Alp UMi	;	1.99;	6300;occ;	72;	0;	41080
21;	3679.6;	07-JAN-2010	23:26:35;	Bright;		39.5;	60;	7Bet UMi	;	2.08;	3950;occ;	79;	0;	41080
22;	3924.5;	07-JAN-2010	23:30:40;	Bright;		38.5;	119;	14Eta Dra	;	2.73;	4700;occ;	77;	0;	41080
23;	4437.5;	07-JAN-2010	23:39:13;	Bright;		33.0;	133;	40Zet Her	;	2.81;	6000;occ;	66;	0;	41080
24;	4565.0;	07-JAN-2010	23:41:21;	Bright;		38.0;	67;	5Alp CrB	;	2.22;	11000;occ;	76;	0;	41080
25;	4923.8;	07-JAN-2010	23:47:20;	Bright;		57.0;	102;	24Alp Ser	;	2.60;	4250;occ;	114;	0;	41080
26;	5057.7;	07-JAN-2010	23:49:33;	Bright;		34.0;	120;	1Del Oph	;	2.73;	3200;occ;	68;	0;	41080
27;	5245.9;	07-JAN-2010	23:52:42;	Dark	;	46.5;	104;	27Bet Lib	;	2.61;	13100;occ;	93;	0;	41080

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2;	-650.3;	07-JAN-2010	23:55:01;	Dark	;	42.0;	80;	7Del Sco	;	2.32;	30000;occ;	84;	0;	41080
3;	-37.2;	08-JAN-2010	00:05:14;	Dark	;	41.0;	95;	Zet Cen	;	2.55;	26000;occ;	82;	0;	41080
4;	82.4;	08-JAN-2010	00:07:14;	Dark	;	50.0;	10;	Bet Cen	;	0.61;	28000;occ;	100;	0;	41081
5;	223.3;	08-JAN-2010	00:09:35;	Dark	;	40.5;	20;	Bet Cru	;	1.25;	30000;occ;	81;	0;	41081
6;	303.5;	08-JAN-2010	00:10:55;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41081
7;	481.9;	08-JAN-2010	00:13:53;	Dark	;	38.5;	124;	The Car	;	2.76;	30000;occ;	77;	0;	41081
8;	574.7;	08-JAN-2010	00:15:26;	Dark	;	40.0;	159;	Ups Car	;	2.92;	7200;occ;	80;	0;	41081
9;	682.1;	08-JAN-2010	00:17:14;	Dark	;	44.0;	71;	Iot Car	;	2.25;	7700;occ;	88;	0;	41081
10;	767.6;	08-JAN-2010	00:18:39;	Dark	;	46.5;	41;	Eps Car	;	1.86;	4100;occ;	93;	0;	41081
11;	963.8;	08-JAN-2010	00:21:55;	Dark	;	43.0;	34;	Gam2Vel	;	1.79;	23000;occ;	86;	0;	41081
12;	1094.6;	08-JAN-2010	00:24:06;	Dark	;	42.0;	70;	Zet Pup	;	2.25;	39000;occ;	84;	0;	41081
13;	1206.1;	08-JAN-2010	00:25:58;	Dark	;	46.0;	117;	Pi Pup	;	2.71;	3800;occ;	92;	0;	41081
14;	1366.0;	08-JAN-2010	00:28:38;	Dark	;	44.0;	23;	21Eps CMA	;	1.50;	26000;occ;	88;	0;	41081
15;	1454.4;	08-JAN-2010	00:30:06;	Dark	;	42.0;	179;	240mi2CMA	;	3.03;	24000;occ;	84;	0;	41081
16;	1593.9;	08-JAN-2010	00:32:25;	Dark	;	46.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	92;	0;	41081
17;	2031.2;	08-JAN-2010	00:39:43;	Dark	;	53.0;	14;	58Alp Ori	;	0.87;	3000;occ;	106;	0;	41081
18;	2202.7;	08-JAN-2010	00:42:34;	Dark	;	47.5;	44;	24Gam Gem	;	1.93;	11000;occ;	95;	0;	41081
19;	2303.4;	08-JAN-2010	00:44:15;	Bright;		44.5;	151;	13Mu Gem	;	2.89;	3000;occ;	89;	0;	41081
20;	2395.0;	08-JAN-2010	00:45:47;	Bright;		39.0;	28;	12Bet Tau	;	1.65;	15200;occ;	78;	0;	41081
21;	2680.7;	08-JAN-2010	00:50:32;	Bright;		38.5;	42;	34Bet Aur	;	1.90;	10200;occ;	77;	0;	41081
22;	3424.1;	08-JAN-2010	01:02:56;	Bright;		33.0;	49;	1Alp UMi	;	1.99;	6300;occ;	66;	0;	41081
23;	4924.4;	08-JAN-2010	01:27:56;	Bright;		57.0;	102;	24Alp Ser	;	2.60;	4250;occ;	114;	0;	41081
24;	5058.1;	08-JAN-2010	01:30:10;	Bright;		52.5;	120;	1Del Oph	;	2.73;	3200;occ;	105;	0;	41081

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2;	2204.9;	07-JAN-2010	07:56:37;	Dark	;	46.0;	44;	24Gam Gem	;	1.93;	11000;occ;	92;	0;	41071
3;	2305.2;	07-JAN-2010	07:58:18;	Bright;		45.5;	151;	13Mu Gem	;	2.89;	3000;occ;	91;	0;	41071
4;	2549.5;	07-JAN-2010	08:02:22;	Bright;		38.0;	107;	37The Aur	;	2.65;	11000;occ;	76;	0;	41071
5;	2682.4;	07-JAN-2010	08:04:35;	Bright;		38.0;	42;	34Bet Aur	;	1.90;	10200;occ;	76;	0;	41071
6;	3681.0;	07-JAN-2010	08:21:13;	Bright;		34.0;	60;	7Bet UMi	;	2.08;	3950;occ;	68;	0;	41071
7;	3924.6;	07-JAN-2010	08:25:17;	Bright;		39.5;	119;	14Eta Dra	;	2.73;	4700;occ;	79;	0;	41071
8;	4087.2;	07-JAN-2010	08:27:59;	Bright;		52.5;	39;	85Eta UMa	;	1.85;	24000;occ;	105;	0;	41071
9;	4355.1;	07-JAN-2010	08:32:27;	Bright;		43.5;	180;	27Gam Boo	;	3.04;	8000;occ;	87;	0;	41071
10;	4594.8;	07-JAN-2010	08:36:27;	Bright;		67.0;	83;		;	2.38;	11000;occ;	134;	0;	41071
11;	4920.7;	07-JAN-2010	08:41:53;	Bright;		56.0;	102;	24Alp Ser	;	2.60;	4250;occ;	112;	0;	41071
12;	5241.0;	07-JAN-2010	08:47:13;	Dark	;	31.5;	104;	27Bet Lib	;	2.61;	13100;occ;	63;	0;	41071
13;	5413.9;	07-JAN-2010	08:50:06;	Dark	;	46.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	92;	0;	41071
14;	5838.0;	07-JAN-2010	08:57:10;	Dark	;	49.5;	54;	5The Cen	;	2.06;	4500;occ;	99;	0;	41071

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 24; 7239.3; 07-JAN-2010 09:20:32; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;41071  
 25; 7400.0; 07-JAN-2010 09:23:12; Dark ; 43.5; 23; 21Eps CMA ; 1.50; 26000;occ; 87; 0;41071  
 26; 7488.7; 07-JAN-2010 09:24:41; Dark ; 41.5; 179; 240mi2CMA ; 3.03; 24000;occ; 83; 0;41071  
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 4; 2549.4; 07-JAN-2010 09:42:58; Bright; 36.5; 107; 37The Aur ; 2.65; 11000;occ; 73; 0;41072  
 5; 2682.1; 07-JAN-2010 09:45:10; Bright; 39.0; 42; 34Bet Aur ; 1.90; 10200;occ; 78; 0;41072  
 6; 3680.7; 07-JAN-2010 10:01:49; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41072  
 7; 3924.5; 07-JAN-2010 10:05:53; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41072  
 8; 4087.0; 07-JAN-2010 10:08:35; Bright; 50.0; 39; 85Eta UMa ; 1.85; 24000;occ; 100; 0;41072  
 9; 4354.8; 07-JAN-2010 10:13:03; Bright; 46.5; 180; 27Gam Boo ; 3.04; 8000;occ; 93; 0;41072  
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 13; 5415.0; 07-JAN-2010 10:30:43; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;41072  
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 6; 2682.2; 07-JAN-2010 11:25:46; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;41073  
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 8; 3924.6; 07-JAN-2010 11:46:29; Bright; 33.0; 119; 14Eta Dra ; 2.73; 4700;occ; 66; 0;41073  
 9; 4086.8; 07-JAN-2010 11:49:11; Bright; 50.0; 39; 85Eta UMa ; 1.85; 24000;occ; 100; 0;41073  
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 11; 4595.4; 07-JAN-2010 11:57:40; Bright; 67.0; 83; ; 2.38; 11000;occ; 134; 0;41073  
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 21; 6714.8; 07-JAN-2010 12:32:59; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;41073  
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13; 2202.6; 08-JAN-2010 02:23:10; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;41082
14; 2303.3; 08-JAN-2010 02:24:51; Bright; 44.5; 151; 13Mu Gem ; 2.89; 3000;occ; 89; 0;41082
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28;	2680.7;	08-JAN-2010	05:52:20;	Bright;	38.5;	42;	34Bet Aur	;	1.90;	10200;occ;	77;	0;	41084	
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4;	2395.5;	08-JAN-2010	07:28:11;	Bright;	39.0;	28;	12Bet Tau	;	1.65;	15200;occ;	78;	0;	41085	
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 23; 1477.1; 16-JAN-2010 04:40:32; Dark ; 40.0; 179; 240mi2CMa ; 3.03; 24000;occ; 80; 0;41198  
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26; 6836.6; 27-JAN-2010 08:45:04; Dark ; 38.0; 71; Iot Car ; 2.25; 7700;occ; 76; 0;41357
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11; 4786.7; 29-JAN-2010 08:48:16; Bright; 54.0; 59; 55Alp Oph ; 2.08; 8900;occ; 108; 0;41386
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9; 4299.4; 29-JAN-2010 10:20:44; Bright; 33.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 67; 0;41387
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12; 4914.4; 29-JAN-2010 10:30:59; Bright; 53.0; 126; 60Bet Oph ; 2.77; 4250;occ; 106; 0;41387
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 19; 6486.8; 29-JAN-2010 12:37:48; Dark ; 43.0; 12; Alp1Cru ; 0.77; 30000;occ; 86; 0;41388  
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 23; 6953.3; 29-JAN-2010 12:45:34; Dark ; 38.5; 46; Del Vel ; 1.95; 10600;occ; 77; 0;41388  
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 23; 6953.8; 29-JAN-2010 14:26:10; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;41389  
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