

# GOMOS Daily Report 02-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	03JAN2010 05:19:03
Data source version	GOMOS/5.00L04
Start time of products	02JAN2010 00:02:30
Stop time of products	02JAN2010 23:59:45
Store outputs in DB	Yes
Nb of level 1b prods	164
Nb of prods with errors	0

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

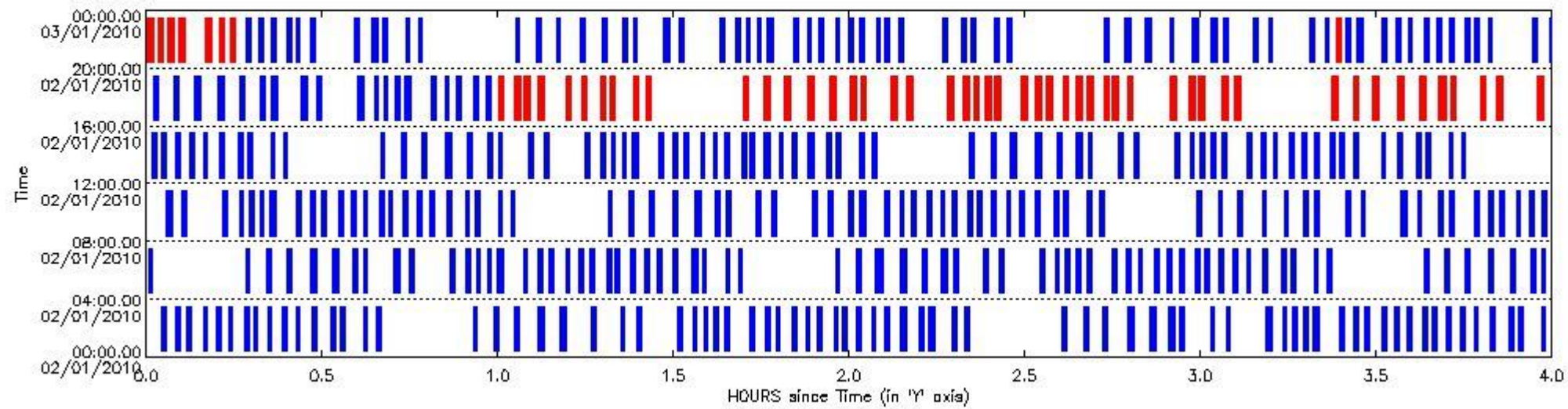
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
02-JAN-2010 17:00:08	PiPup	117	41005
02-JAN-2010 17:02:54	21EpsCMa	23	41005
02-JAN-2010 17:04:25	24Omi2CMa	179	41005
02-JAN-2010 17:06:51	9AlpCMa	1	41005
02-JAN-2010 17:11:36	50ZetOri	33	41005
02-JAN-2010 17:14:18	58AlpOri	14	41005
02-JAN-2010 17:17:28	24GamGem	44	41005
02-JAN-2010 17:19:07	13MuGem	151	41005
02-JAN-2010 17:23:08	37TheAur	107	41005
02-JAN-2010 17:25:17	13AlpAur	6	41005
02-JAN-2010 17:41:55	7BetUMi	60	41005
02-JAN-2010 17:45:28	77EpsUMa	32	41005
02-JAN-2010 17:48:50	85EtaUMa	39	41005
02-JAN-2010 17:53:00	27GamBoo	180	41005
02-JAN-2010 17:56:46		83	41005

02-JAN-2010 18:00:08	16AlpBoo	3	41005
02-JAN-2010 18:02:05	24AlpSer	102	41005
02-JAN-2010 18:07:12	27BetLib	104	41005
02-JAN-2010 18:09:55	9Alp2Lib	122	41005
02-JAN-2010 18:16:52	5TheCen	54	41005
02-JAN-2010 18:19:35	ZetCen	95	41005
02-JAN-2010 18:21:18	EpsCen	77	41006
02-JAN-2010 18:23:09	GamCen	64	41006
02-JAN-2010 18:24:56	DSA1053	0	41006
02-JAN-2010 18:29:21	MuVel	113	41006
02-JAN-2010 18:31:46	IotCar	71	41006
02-JAN-2010 18:33:41	DelVel	46	41006
02-JAN-2010 18:36:31	Gam2Vel	34	41006
02-JAN-2010 18:38:43	ZetPup	70	41006
02-JAN-2010 18:40:44	PiPup	117	41006
02-JAN-2010 18:43:30	21EpsCMa	23	41006
02-JAN-2010 18:45:01	24Omi2CMa	179	41006
02-JAN-2010 18:47:27	9AlpCMa	1	41006
02-JAN-2010 18:54:54	58AlpOri	14	41006
02-JAN-2010 18:58:04	24GamGem	44	41006
02-JAN-2010 18:59:43	13MuGem	151	41006
02-JAN-2010 19:03:44	37TheAur	107	41006
02-JAN-2010 19:05:53	13AlpAur	6	41006
02-JAN-2010 19:22:31	7BetUMi	60	41006
02-JAN-2010 19:26:04	77EpsUMa	32	41006
02-JAN-2010 19:29:26	85EtaUMa	39	41006
02-JAN-2010 19:33:36	27GamBoo	180	41006
02-JAN-2010 19:37:22		83	41006
02-JAN-2010 19:40:45	16AlpBoo	3	41006
02-JAN-2010 19:42:41	24AlpSer	102	41006
02-JAN-2010 19:47:49	27BetLib	104	41006
02-JAN-2010 19:50:32	9Alp2Lib	122	41006
02-JAN-2010 19:57:28	5TheCen	54	41006
02-JAN-2010 20:00:11	ZetCen	95	41006
02-JAN-2010 20:01:54	EpsCen	77	41007
02-JAN-2010 20:03:46	GamCen	64	41007
02-JAN-2010 20:05:32	DSA1053	0	41007
02-JAN-2010 20:09:58	MuVel	113	41007
02-JAN-2010 20:12:23	IotCar	71	41007
02-JAN-2010 20:14:17	DelVel	46	41007
02-JAN-2010 23:23:08	EpsCen	77	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_1PNPDE20100102_000230_000000472085_00360_40995_2049.N1	02-JAN-2010 00:02:30	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	40995	No
2	GOM_TRA_1PNPDE20100102_000459_000000492085_00360_40995_2050.N1	02-JAN-2010 00:04:59	Dark	49.000	71	Iot Car	2.2460	7700.0	98	40995	No
3	GOM_TRA_1PNPDE20100102_000654_000000472085_00360_40995_2051.N1	02-JAN-2010 00:06:54	Dark	47.000	46	Del Vel	1.9540	10600.	94	40995	No
4	GOM_TRA_1PNPDE20100102_000945_000000432085_00360_40995_2052.N1	02-JAN-2010 00:09:45	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	40995	No
5	GOM_TRA_1PNPDE20100102_001157_000000482085_00360_40995_2053.N1	02-JAN-2010 00:11:57	Dark	47.500	70	Zet Pup	2.2460	39000.	95	40995	No
6	GOM_TRA_1PNPDE20100102_001359_000000442085_00360_40995_2054.N1	02-JAN-2010 00:13:59	Dark	43.500	117	Pi Pup	2.7060	3800.0	87	40995	No
7	GOM_TRA_1PNPDE20100102_001646_000000462085_00360_40995_2055.N1	02-JAN-2010 00:16:46	Straylight	45.500	23	21Eps CMa	1.5020	26000.	91	40995	No
8	GOM_TRA_1PNPDE20100102_001818_000000442085_00360_40995_2056.N1	02-JAN-2010 00:18:18	Straylight	44.000	179	24Omi2CMa	3.0320	24000.	88	40995	No
9	GOM_TRA_1PNPDE20100102_002045_000000382085_00360_40995_2057.N1	02-JAN-2010 00:20:45	Straylight	37.500	1	9Alp CMa	-1.4400	11000.	75	40995	No
10	GOM_TRA_1PNPDE20100102_002314_000000392085_00360_40995_2058.N1	02-JAN-2010 00:23:14	Straylight	38.500	56	53Kap Ori	2.0650	30000.	77	40995	No
11	GOM_TRA_1PNPDE20100102_002530_000000432085_00360_40995_2059.N1	02-JAN-2010 00:25:30	Straylight	42.500	33	50Zet Ori	1.7660	30000.	85	40995	No
12	GOM_TRA_1PNPDE20100102_002814_000000502085_00360_40995_2060.N1	02-JAN-2010 00:28:14	Twilight	49.500	14	58Alp Ori	0.87000	3000.0	99	40995	No
13	GOM_TRA_1PNPDE20100102_003126_000000522085_00360_40995_2061.N1	02-JAN-2010 00:31:26	Bright	52.000	44	24Gam Gem	1.9280	11000.	104	40995	No

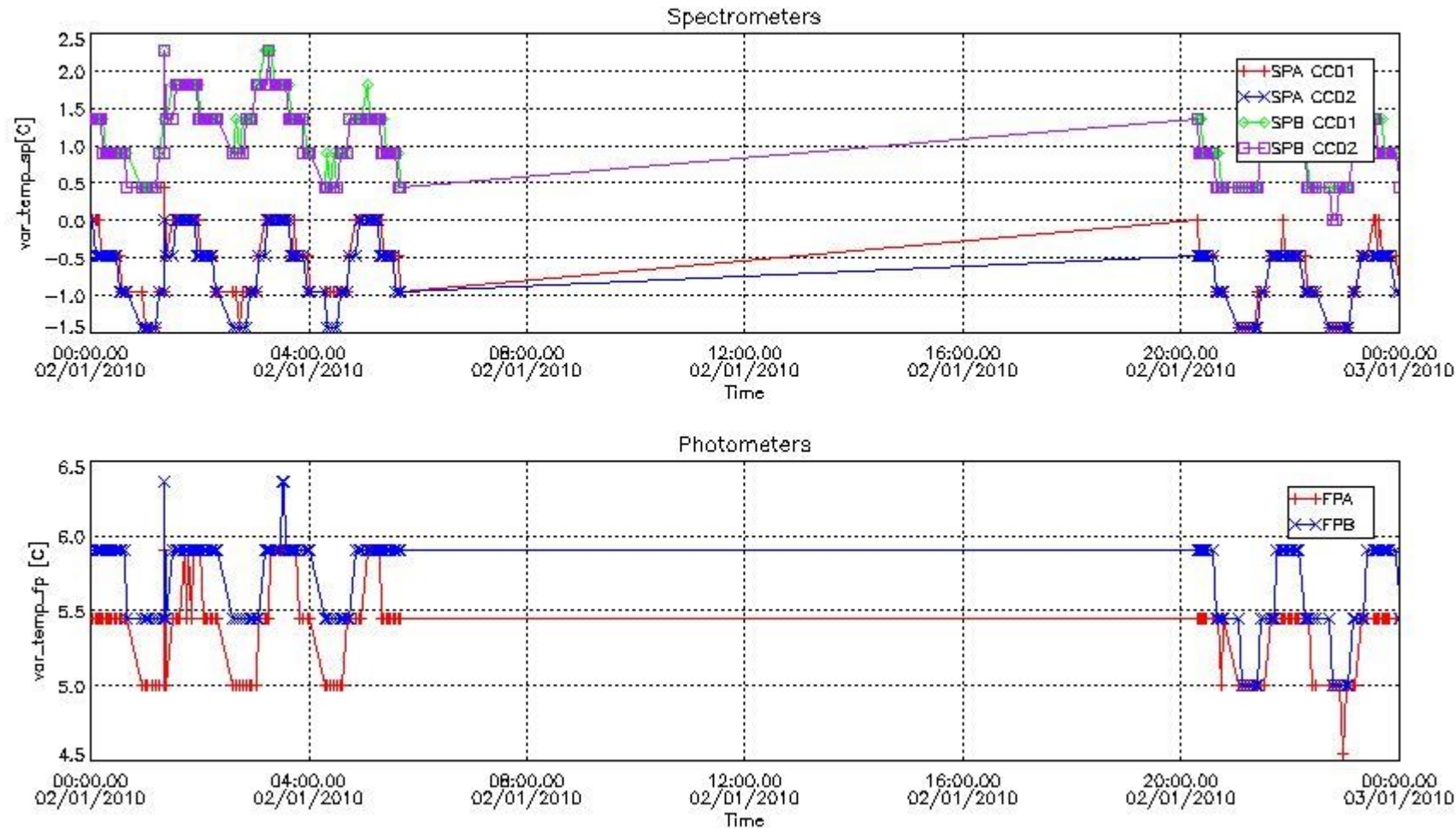
14	GOM_TRA_1PNPDE20100102_003305_000000502085_00360_40995_2062.N1	02-JAN-2010 00:33:05	Bright	50.000	151	13Mu Gem	2.8900	3000.0	100	40995	No
15	GOM_TRA_1PNPDE20100102_003705_000000382085_00360_40995_2063.N1	02-JAN-2010 00:37:05	Bright	37.500	107	37The Aur	2.6490	11000.	75	40995	No
16	GOM_TRA_1PNPDE20100102_003913_000000452085_00360_40995_2064.N1	02-JAN-2010 00:39:13	Bright	45.000	6	13Alp Aur	0.080000	3400.0	90	40995	No
17	GOM_TRA_1PNPDE20100102_005551_000000362085_00360_40995_2065.N1	02-JAN-2010 00:55:51	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	40995	No
18	GOM_TRA_1PNPDE20100102_005928_000000482085_00360_40995_2066.N1	02-JAN-2010 00:59:28	Bright	48.000	32	77Eps UMa	1.7630	11000.	96	40995	No
19	GOM_TRA_1PNPDE20100102_010248_000000532085_00360_40995_2067.N1	02-JAN-2010 01:02:48	Bright	53.000	39	85Eta UMa	1.8540	24000.	106	40995	No
20	GOM_TRA_1PNPDE20100102_010655_000000632085_00360_40995_2068.N1	02-JAN-2010 01:06:55	Bright	63.000	180	27Gam Boo	3.0400	8000.0	126	40995	No
21	GOM_TRA_1PNPDE20100102_011039_000000622085_00360_40995_2069.N1	02-JAN-2010 01:10:39	Bright	62.000	83		2.3780	11000.	124	40995	No
22	GOM_TRA_1PNPDE20100102_011557_000000542085_00360_40995_2070.N1	02-JAN-2010 01:15:57	Bright	54.000	102	24Alp Ser	2.6000	4250.0	108	40995	No
23	GOM_TRA_1PNPDE20100102_012103_000000362085_00360_40995_2071.N1	02-JAN-2010 01:21:03	Bright	36.000	104	27Bet Lib	2.6140	13100.	72	40995	No
24	GOM_TRA_1PNPDE20100102_012103_000000372085_00360_40995_2063.N1	02-JAN-2010 01:21:03	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	40995	No
25	GOM_TRA_1PNPDE20100102_012344_000000472085_00360_40995_2064.N1	02-JAN-2010 01:23:44	Twilight	46.500	122	9Alp2Lib	2.7470	9700.0	93	40995	No
26	GOM_TRA_1PNPDE20100102_013039_000000502085_00360_40995_2065.N1	02-JAN-2010 01:30:39	Dark	49.500	54	5The Cen	2.0550	4500.0	99	40995	No
27	GOM_TRA_1PNPDE20100102_013323_000000402085_00360_40995_2066.N1	02-JAN-2010 01:33:23	Dark	39.500	95	Zet Cen	2.5450	26000.	79	40995	No
28	GOM_TRA_1PNPDE20100102_013507_000000432085_00361_40996_2067.N1	02-JAN-2010 01:35:07	Dark	42.500	77	Eps Cen	2.3030	28000.	85	40996	No
29	GOM_TRA_1PNPDE20100102_013656_000000492085_00361_40996_2068.N1	02-JAN-2010 01:36:56	Dark	48.500	64	Gam Cen	2.2000	10600.	97	40996	No
30	GOM_TRA_1PNPDE20100102_014307_000000492085_00361_40996_2069.N1	02-JAN-2010 01:43:07	Dark	48.500	113	Mu Vel	2.6920	5000.0	97	40996	No
31	GOM_TRA_1PNPDE20100102_014536_000000482085_00361_40996_2070.N1	02-JAN-2010 01:45:36	Dark	48.000	71	lot Car	2.2460	7700.0	96	40996	No
32	GOM_TRA_1PNPDE20100102_014730_000000422085_00361_40996_2071.N1	02-JAN-2010 01:47:30	Dark	41.500	46	Del Vel	1.9540	10600.	83	40996	No
33	GOM_TRA_1PNPDE20100102_015021_000000422085_00361_40996_2072.N1	02-JAN-2010 01:50:21	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	40996	No
34	GOM_TRA_1PNPDE20100102_015233_000000462085_00361_40996_2073.N1	02-JAN-2010 01:52:33	Dark	46.000	70	Zet Pup	2.2460	39000.	92	40996	No
35	GOM_TRA_1PNPDE20100102_015435_000000472085_00361_40996_2074.N1	02-JAN-2010 01:54:35	Dark	46.500	117	Pi Pup	2.7060	3800.0	93	40996	No
36	GOM_TRA_1PNPDE20100102_015722_000000472085_00361_40996_2075.N1	02-JAN-2010 01:57:22	Straylight	46.500	23	21Eps CMa	1.5020	26000.	93	40996	No
37	GOM_TRA_1PNPDE20100102_015854_000000452085_00361_40996_2076.N1	02-JAN-2010 01:58:54	Straylight	45.000	179	24Omi2CMa	3.0320	24000.	90	40996	No
38	GOM_TRA_1PNPDE20100102_020121_000000482085_00361_40996_2077.N1	02-JAN-2010 02:01:21	Straylight	48.000	1	9Alp CMa	-1.4400	11000.	96	40996	No
39	GOM_TRA_1PNPDE20100102_020350_000000412085_00361_40996_2078.N1	02-JAN-2010 02:03:50	Straylight	40.500	56	53Kap Ori	2.0650	30000.	81	40996	No
40	GOM_TRA_1PNPDE20100102_020606_000000412085_00361_40996_2079.N1	02-JAN-2010 02:06:06	Straylight	40.500	33	50Zet Ori	1.7660	30000.	81	40996	No
41	GOM_TRA_1PNPDE20100102_020849_000000542085_00361_40996_2080.N1	02-JAN-2010 02:08:49	Twilight	54.000	14	58Alp Ori	0.87000	3000.0	108	40996	No
42	GOM_TRA_1PNPDE20100102_021202_000000502085_00361_40996_2081.N1	02-JAN-2010 02:12:02	Bright	50.000	44	24Gam Gem	1.9280	11000.	100	40996	No
43	GOM_TRA_1PNPDE20100102_021340_000000502085_00361_40996_2082.N1	02-JAN-2010 02:13:40	Bright	50.000	151	13Mu Gem	2.8900	3000.0	100	40996	No
44	GOM_TRA_1PNPDE20100102_021741_000000382085_00361_40996_2083.N1	02-JAN-2010 02:17:41	Bright	38.000	107	37The Aur	2.6490	11000.	76	40996	No
45	GOM_TRA_1PNPDE20100102_021949_000000432085_00361_40996_2084.N1	02-JAN-2010 02:19:49	Bright	43.000	6	13Alp Aur	0.080000	3400.0	86	40996	No
46	GOM_TRA_1PNPDE20100102_023627_000000392085_00361_40996_2085.N1	02-JAN-2010 02:36:27	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	40996	No
47	GOM_TRA_1PNPDE20100102_024003_000000482085_00361_40996_2089.N1	02-JAN-2010 02:40:03	Bright	48.000	32	77Eps UMa	1.7630	11000.	96	40996	No
48	GOM_TRA_1PNPDE20100102_024323_000000492085_00361_40996_2090.N1	02-JAN-2010 02:43:23	Bright	48.500	39	85Eta UMa	1.8540	24000.	97	40996	No
49	GOM_TRA_1PNPDE20100102_024731_000000632085_00361_40996_2091.N1	02-JAN-2010 02:47:31	Bright	63.000	180	27Gam Boo	3.0400	8000.0	126	40996	No
50	GOM_TRA_1PNPDE20100102_025115_000000622085_00361_40996_2092.N1	02-JAN-2010 02:51:15	Bright	62.000	83		2.3780	11000.	124	40996	No
51	GOM_TRA_1PNPDE20100102_025435_000000552085_00361_40996_2093.N1	02-JAN-2010 02:54:35	Bright	54.500	3	16Alp Boo	-0.050000	4250.0	109	40996	No
52	GOM_TRA_1PNPDE20100102_025633_000000352085_00361_40996_2094.N1	02-JAN-2010 02:56:33	Bright	35.000	102	24Alp Ser	2.6000	4250.0	70	40996	No
53	GOM_TRA_1PNPDE20100102_030139_000000372085_00361_40996_2095.N1	02-JAN-2010 03:01:39	Bright	37.000	104	27Bet Lib	2.6140	13100.	74	40996	No
54	GOM_TRA_1PNPDE20100102_030421_000000452085_00361_40996_2096.N1	02-JAN-2010 03:04:21	Twilight	45.000	122	9Alp2Lib	2.7470	9700.0	90	40996	No
55	GOM_TRA_1PNPDE20100102_031116_000000512085_00361_40996_2097.N1	02-JAN-2010 03:11:16	Dark	51.000	54	5The Cen	2.0550	4500.0	102	40996	No
56	GOM_TRA_1PNPDE20100102_031400_000000432085_00361_40996_2098.N1	02-JAN-2010 03:14:00	Dark	43.000	95	Zet Cen	2.5450	26000.	86	40996	No
57	GOM_TRA_1PNPDE20100102_031544_000000432085_00362_40997_2099.N1	02-JAN-2010 03:15:44	Dark	43.000	77	Eps Cen	2.3030	28000.	86	40997	No
58	GOM_TRA_1PNPDE20100102_031733_000000432085_00362_40997_2100.N1	02-JAN-2010 03:17:33	Dark	43.000	64	Gam Cen	2.2000	10600.	86	40997	No
59	GOM_TRA_1PNPDE20100102_032344_000000542085_00362_40997_2101.N1	02-JAN-2010 03:23:44	Dark	53.500	113	Mu Vel	2.6920	5000.0	107	40997	No
60	GOM_TRA_1PNPDE20100102_032613_000000472085_00362_40997_2102.N1	02-JAN-2010 03:26:13	Dark	46.500	71	lot Car	2.2460	7700.0	93	40997	No
61	GOM_TRA_1PNPDE20100102_032807_000000472085_00362_40997_2103.N1	02-JAN-2010 03:28:07	Dark	46.500	46	Del Vel	1.9540	10600.	93	40997	No
62	GOM_TRA_1PNPDE20100102_033058_000000462085_00362_40997_2104.N1	02-JAN-2010 03:30:58	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	40997	No
63	GOM_TRA_1PNPDE20100102_033309_000000492085_00362_40997_2105.N1	02-JAN-2010 03:33:09	Dark	49.000	70	Zet Pup	2.2460	39000.	98	40997	No
64	GOM_TRA_1PNPDE20100102_033512_000000452085_00362_40997_2106.N1	02-JAN-2010 03:35:12	Dark	45.000	117	Pi Pup	2.7060	3800.0	90	40997	No
65	GOM_TRA_1PNPDE20100102_033759_000000432085_00362_40997_2107.N1	02-JAN-2010 03:37:59	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	40997	No
66	GOM_TRA_1PNPDE20100102_033930_000000462085_00362_40997_2108.N1	02-JAN-2010 03:39:30	Straylight	45.500	179	24Omi2CMa	3.0320	24000.	91	40997	No
67	GOM_TRA_1PNPDE20100102_034157_000000482085_00362_40997_2109.N1	02-JAN-2010 03:41:57	Straylight	48.000	1	9Alp CMa	-1.4400	11000.	96	40997	No
68	GOM_TRA_1PNPDE20100102_034426_000000422085_00362_40997_2110.N1	02-JAN-2010 03:44:26	Straylight	41.500	56	53Kap Ori	2.0650	30000.	83	40997	No
69	GOM_TRA_1PNPDE20100102_034642_000000432085_00362_40997_2111.N1	02-JAN-2010 03:46:42	Straylight	42.500	33	50Zet Ori	1.7660	30000.	85	40997	No
70	GOM_TRA_1PNPDE20100102_034925_000000492085_00362_40997_2112.N1	02-JAN-2010 03:49:25	Twilight	48.500	14	58Alp Ori	0.87000	3000.0	97	40997	No
71	GOM_TRA_1PNPDE20100102_035237_000000502085_00362_40997_2113.N1	02-JAN-2010 03:52:37	Bright	49.500	44	24Gam Gem	1.9280	11000.	99	40997	No
72	GOM_TRA_1PNPDE20100102_035416_000000472085_00362_40997_2114.N1	02-JAN-2010 03:54:16	Bright	46.500	151	13Mu Gem	2.8900	3000.0	93	40997	No



73	GOM_TRA_1PNPDE20100102_035817_000000382085_00362_40997_2115.N1	02-JAN-2010 03:58:17	Bright	37.500	107	37The Aur	2.6490	11000.	75	40997	No
74	GOM_TRA_1PNPDE20100102_040025_000000412085_00362_40997_2116.N1	02-JAN-2010 04:00:25	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	40997	No
75	GOM_TRA_1PNPDE20100102_041703_000000332085_00362_40997_2112.N1	02-JAN-2010 04:17:03	Bright	33.000	60	7Bet UMi	2.0810	3950.0	66	40997	No
76	GOM_TRA_1PNPDE20100102_042039_000000462085_00362_40997_2113.N1	02-JAN-2010 04:20:39	Bright	45.500	32	77Eps UMa	1.7630	11000.	91	40997	No
77	GOM_TRA_1PNPDE20100102_042359_000000462085_00362_40997_2114.N1	02-JAN-2010 04:23:59	Bright	45.500	39	85Eta UMa	1.8540	24000.	91	40997	No
78	GOM_TRA_1PNPDE20100102_042807_000000582085_00362_40997_2115.N1	02-JAN-2010 04:28:07	Bright	57.500	180	27Gam Boo	3.0400	8000.0	115	40997	No
79	GOM_TRA_1PNPDE20100102_043151_000000622085_00362_40997_2116.N1	02-JAN-2010 04:31:51	Bright	62.000	83		2.3780	11000.	124	40997	No
80	GOM_TRA_1PNPDE20100102_043512_000000552085_00362_40997_2117.N1	02-JAN-2010 04:35:12	Bright	54.500	3	16Alp Boo	-0.050000	4250.0	109	40997	No
81	GOM_TRA_1PNPDE20100102_043709_000000362085_00362_40997_2118.N1	02-JAN-2010 04:37:09	Bright	35.500	102	24Alp Ser	2.6000	4250.0	71	40997	No
82	GOM_TRA_1PNPDE20100102_044216_000000562085_00362_40997_2119.N1	02-JAN-2010 04:42:16	Bright	56.000	104	27Bet Lib	2.6140	13100.	112	40997	No
83	GOM_TRA_1PNPDE20100102_044457_000000452085_00362_40997_2120.N1	02-JAN-2010 04:44:57	Twilight	44.500	122	9Alp2Lib	2.7470	9700.0	89	40997	No
84	GOM_TRA_1PNPDE20100102_045153_000000472085_00362_40997_2121.N1	02-JAN-2010 04:51:53	Dark	47.000	54	5The Cen	2.0550	4500.0	94	40997	No
85	GOM_TRA_1PNPDE20100102_045437_000000402085_00362_40997_2122.N1	02-JAN-2010 04:54:37	Dark	40.000	95	Zet Cen	2.5450	26000.	80	40997	No
86	GOM_TRA_1PNPDE20100102_045620_000000402085_00363_40998_2123.N1	02-JAN-2010 04:56:20	Dark	40.000	77	Eps Cen	2.3030	28000.	80	40998	No
87	GOM_TRA_1PNPDE20100102_045810_000000432085_00363_40998_2124.N1	02-JAN-2010 04:58:10	Dark	43.000	64	Gam Cen	2.2000	10600.	86	40998	No
88	GOM_TRA_1PNPDE20100102_050421_000000462085_00363_40998_2125.N1	02-JAN-2010 05:04:21	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	40998	No
89	GOM_TRA_1PNPDE20100102_050649_000000482085_00363_40998_2126.N1	02-JAN-2010 05:06:49	Dark	47.500	71	Iot Car	2.2460	7700.0	95	40998	No
90	GOM_TRA_1PNPDE20100102_050844_000000462085_00363_40998_2127.N1	02-JAN-2010 05:08:44	Dark	46.000	46	Del Vel	1.9540	10600.	92	40998	No
91	GOM_TRA_1PNPDE20100102_051134_000000452085_00363_40998_2128.N1	02-JAN-2010 05:11:34	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	40998	No
92	GOM_TRA_1PNPDE20100102_051346_000000462085_00363_40998_2129.N1	02-JAN-2010 05:13:46	Dark	46.000	70	Zet Pup	2.2460	39000.	92	40998	No
93	GOM_TRA_1PNPDE20100102_051548_000000462085_00363_40998_2130.N1	02-JAN-2010 05:15:48	Dark	45.500	117	Pi Pup	2.7060	3800.0	91	40998	No
94	GOM_TRA_1PNPDE20100102_051835_000000472085_00363_40998_2131.N1	02-JAN-2010 05:18:35	Straylight	46.500	23	21Eps CMa	1.5020	26000.	93	40998	No
95	GOM_TRA_1PNPDE20100102_052007_000000472085_00363_40998_2132.N1	02-JAN-2010 05:20:07	Straylight	46.500	179	24Omi2CMa	3.0320	24000.	93	40998	No
96	GOM_TRA_1PNPDE20100102_052233_000000532085_00363_40998_2133.N1	02-JAN-2010 05:22:33	Straylight	52.500	1	9Alp CMa	-1.4400	11000.	105	40998	No
97	GOM_TRA_1PNPDE20100102_052502_000000442085_00363_40998_2134.N1	02-JAN-2010 05:25:02	Straylight	43.500	56	53Kap Ori	2.0650	30000.	87	40998	No
98	GOM_TRA_1PNPDE20100102_052718_000000422085_00363_40998_2135.N1	02-JAN-2010 05:27:18	Straylight	42.000	33	50Zet Ori	1.7660	30000.	84	40998	No
99	GOM_TRA_1PNPDE20100102_053002_000000482085_00363_40998_2136.N1	02-JAN-2010 05:30:02	Twilight	48.000	14	58Alp Ori	0.87000	3000.0	96	40998	No
100	GOM_TRA_1PNPDE20100102_053313_000000512085_00363_40998_2137.N1	02-JAN-2010 05:33:13	Bright	50.500	44	24Gam Gem	1.9280	11000.	101	40998	No
101	GOM_TRA_1PNPDE20100102_053452_000000482085_00363_40998_2138.N1	02-JAN-2010 05:34:52	Bright	47.500	151	13Mu Gem	2.8900	3000.0	95	40998	No
102	GOM_TRA_1PNPDE20100102_053852_000000492085_00363_40998_2139.N1	02-JAN-2010 05:38:52	Bright	48.500	107	37The Aur	2.6490	11000.	97	40998	No
103	GOM_TRA_1PNPDE20100102_054101_000000392085_00363_40998_2140.N1	02-JAN-2010 05:41:01	Bright	39.000	6	13Alp Aur	0.080000	3400.0	78	40998	No
104	GOM_TRA_1PNPDE20100102_201702_000000472085_00372_41007_2203.N1	02-JAN-2010 20:17:02	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	41007	No
105	GOM_TRA_1PNPDE20100102_201914_000000482085_00372_41007_2204.N1	02-JAN-2010 20:19:14	Dark	47.500	70	Zet Pup	2.2460	39000.	95	41007	No
106	GOM_TRA_1PNPDE20100102_202115_000000472085_00372_41007_2205.N1	02-JAN-2010 20:21:15	Dark	46.500	117	Pi Pup	2.7060	3800.0	93	41007	No
107	GOM_TRA_1PNPDE20100102_202401_000000472085_00372_41007_2206.N1	02-JAN-2010 20:24:01	Straylight	47.000	23	21Eps CMa	1.5020	26000.	94	41007	No
108	GOM_TRA_1PNPDE20100102_202532_000000442085_00372_41007_2207.N1	02-JAN-2010 20:25:32	Straylight	43.500	179	24Omi2CMa	3.0320	24000.	87	41007	No
109	GOM_TRA_1PNPDE20100102_202758_000000502085_00372_41007_2208.N1	02-JAN-2010 20:27:58	Straylight	49.500	1	9Alp CMa	-1.4400	11000.	99	41007	No
110	GOM_TRA_1PNPDE20100102_203525_000000512085_00372_41007_2209.N1	02-JAN-2010 20:35:25	Twilight	50.500	14	58Alp Ori	0.87000	3000.0	101	41007	No
111	GOM_TRA_1PNPDE20100102_203834_000000522085_00372_41007_2210.N1	02-JAN-2010 20:38:34	Bright	52.000	44	24Gam Gem	1.9280	11000.	104	41007	No
112	GOM_TRA_1PNPDE20100102_204013_000000482085_00372_41007_2211.N1	02-JAN-2010 20:40:13	Bright	48.000	151	13Mu Gem	2.8900	3000.0	96	41007	No
113	GOM_TRA_1PNPDE20100102_204414_000000382085_00372_41007_2212.N1	02-JAN-2010 20:44:14	Bright	38.000	107	37The Aur	2.6490	11000.	76	41007	No
114	GOM_TRA_1PNPDE20100102_204624_000000412085_00372_41007_2213.N1	02-JAN-2010 20:46:24	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	41007	No
115	GOM_TRA_1PNPDE20100102_210301_000000362085_00372_41007_2214.N1	02-JAN-2010 21:03:01	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	41007	No
116	GOM_TRA_1PNPDE20100102_210634_000000512085_00372_41007_2215.N1	02-JAN-2010 21:06:34	Bright	50.500	32	77Eps UMa	1.7630	11000.	101	41007	No
117	GOM_TRA_1PNPDE20100102_210956_000000492085_00372_41007_2216.N1	02-JAN-2010 21:09:56	Bright	48.500	39	85Eta UMa	1.8540	24000.	97	41007	No
118	GOM_TRA_1PNPDE20100102_211407_000000432085_00372_41007_2217.N1	02-JAN-2010 21:14:07	Bright	42.500	180	27Gam Boo	3.0400	8000.0	85	41007	No
119	GOM_TRA_1PNPDE20100102_211753_000000432085_00372_41007_2218.N1	02-JAN-2010 21:17:53	Bright	42.500	83		2.3780	11000.	85	41007	No
120	GOM_TRA_1PNPDE20100102_212115_000000562085_00372_41007_2219.N1	02-JAN-2010 21:21:15	Bright	56.000	3	16Alp Boo	-0.050000	4250.0	112	41007	No
121	GOM_TRA_1PNPDE20100102_212312_000000362085_00372_41007_2220.N1	02-JAN-2010 21:23:12	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	41007	No
122	GOM_TRA_1PNPDE20100102_212820_000000562085_00372_41007_2222.N1	02-JAN-2010 21:28:20	Bright	56.000	104	27Bet Lib	2.6140	13100.	112	41007	No
123	GOM_TRA_1PNPDE20100102_213103_000000442085_00372_41007_2223.N1	02-JAN-2010 21:31:03	Twilight	44.000	122	9Alp2Lib	2.7470	9700.0	88	41007	No
124	GOM_TRA_1PNPDE20100102_213759_000000522085_00372_41007_2224.N1	02-JAN-2010 21:37:59	Dark	51.500	54	5The Cen	2.0550	4500.0	103	41007	No
125	GOM_TRA_1PNPDE20100102_214042_000000422085_00372_41007_2225.N1	02-JAN-2010 21:40:42	Dark	41.500	95	Zet Cen	2.5450	26000.	83	41007	No
126	GOM_TRA_1PNPDE20100102_214226_000000412085_00373_41008_2226.N1	02-JAN-2010 21:42:26	Dark	41.000	77	Eps Cen	2.3030	28000.	82	41008	No
127	GOM_TRA_1PNPDE20100102_214417_000000452085_00373_41008_2227.N1	02-JAN-2010 21:44:17	Dark	44.500	64	Gam Cen	2.2000	10600.	89	41008	No
128	GOM_TRA_1PNPDE20100102_215029_000000582085_00373_41008_2228.N1	02-JAN-2010 21:50:29	Dark	58.000	113	Mu Vel	2.6920	5000.0	116	41008	No
129	GOM_TRA_1PNPDE20100102_215254_000000402085_00373_41008_2229.N1	02-JAN-2010 21:52:54	Dark	39.500	71	Iot Car	2.2460	7700.0	79	41008	No
130	GOM_TRA_1PNPDE20100102_215448_000000492085_00373_41008_2230.N1	02-JAN-2010 21:54:48	Dark	49.000	46	Del Vel	1.9540	10600.	98	41008	No
131	GOM_TRA_1PNPDE20100102_215739_000000472085_00373_41008_2231.N1	02-JAN-2010 21:57:39	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	41008	No

132	GOM_TRA_1PNPDE20100102_215950_000000462085_00373_41008_2232.N1	02-JAN-2010 21:59:50	Dark	46.000	70	Zet Pup	2.2460	39000.	92	41008	No
133	GOM_TRA_1PNPDE20100102_220151_000000462085_00373_41008_2233.N1	02-JAN-2010 22:01:51	Dark	45.500	117	Pi Pup	2.7060	3800.0	91	41008	No
134	GOM_TRA_1PNPDE20100102_220437_000000452085_00373_41008_2234.N1	02-JAN-2010 22:04:37	Straylight	45.000	23	21Eps CMa	1.5020	26000.	90	41008	No
135	GOM_TRA_1PNPDE20100102_220608_000000402085_00373_41008_2235.N1	02-JAN-2010 22:06:08	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	41008	No
136	GOM_TRA_1PNPDE20100102_220834_000000502085_00373_41008_2236.N1	02-JAN-2010 22:08:34	Straylight	49.500	1	9Alp CMa	-1.4400	11000.	99	41008	No
137	GOM_TRA_1PNPDE20100102_221601_000000532085_00373_41008_2237.N1	02-JAN-2010 22:16:01	Twilight_stray	53.000	14	58Alp Ori	0.87000	3000.0	106	41008	No
138	GOM_TRA_1PNPDE20100102_221910_000000502085_00373_41008_2238.N1	02-JAN-2010 22:19:10	Bright	49.500	44	24Gam Gem	1.9280	11000.	99	41008	No
139	GOM_TRA_1PNPDE20100102_222048_000000482085_00373_41008_2239.N1	02-JAN-2010 22:20:48	Bright	48.000	151	13Mu Gem	2.8900	3000.0	96	41008	No
140	GOM_TRA_1PNPDE20100102_222449_000000562085_00373_41008_2240.N1	02-JAN-2010 22:24:49	Bright	56.000	107	37The Aur	2.6490	11000.	112	41008	No
141	GOM_TRA_1PNPDE20100102_222659_000000422085_00373_41008_2241.N1	02-JAN-2010 22:26:59	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	41008	No
142	GOM_TRA_1PNPDE20100102_224337_000000392085_00373_41008_2242.N1	02-JAN-2010 22:43:37	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	41008	No
143	GOM_TRA_1PNPDE20100102_224709_000000582085_00373_41008_2243.N1	02-JAN-2010 22:47:09	Bright	58.000	32	77Eps UMa	1.7630	11000.	116	41008	No
144	GOM_TRA_1PNPDE20100102_225032_000000672085_00373_41008_2244.N1	02-JAN-2010 22:50:32	Bright	67.000	39	85Eta UMa	1.8540	24000.	134	41008	No
145	GOM_TRA_1PNPDE20100102_225442_000000422085_00373_41008_2245.N1	02-JAN-2010 22:54:42	Bright	41.500	180	27Gam Boo	3.0400	8000.0	83	41008	No
146	GOM_TRA_1PNPDE20100102_225829_000000632085_00373_41008_2246.N1	02-JAN-2010 22:58:29	Bright	63.000	83		2.3780	11000.	126	41008	No
147	GOM_TRA_1PNPDE20100102_230152_000000572085_00373_41008_2247.N1	02-JAN-2010 23:01:52	Bright	57.000	3	16Alp Boo	-0.050000	4250.0	114	41008	No
148	GOM_TRA_1PNPDE20100102_230348_000000542085_00373_41008_2248.N1	02-JAN-2010 23:03:48	Bright	54.000	102	24Alp Ser	2.6000	4250.0	108	41008	No
149	GOM_TRA_1PNPDE20100102_230856_000000472085_00373_41008_2249.N1	02-JAN-2010 23:08:56	Bright	46.500	104	27Bet Lib	2.6140	13100.	93	41008	No
150	GOM_TRA_1PNPDE20100102_231139_000000422085_00373_41008_2240.N1	02-JAN-2010 23:11:39	Twilight_stray	42.000	122	9Alp2Lib	2.7470	9700.0	84	41008	No
151	GOM_TRA_1PNPDE20100102_231836_000000482085_00373_41008_2241.N1	02-JAN-2010 23:18:36	Dark	47.500	54	5The Cen	2.0550	4500.0	95	41008	No
152	GOM_TRA_1PNPDE20100102_232119_000000402085_00373_41008_2242.N1	02-JAN-2010 23:21:19	Dark	40.000	95	Zet Cen	2.5450	26000.	80	41008	No
153	GOM_TRA_1PNPDE20100102_232454_000000462085_00374_41009_2243.N1	02-JAN-2010 23:24:54	Dark	46.000	64	Gam Cen	2.2000	10600.	92	41009	No
154	GOM_TRA_1PNPDE20100102_233106_000000492085_00374_41009_2244.N1	02-JAN-2010 23:31:06	Dark	48.500	113	Mu Vel	2.6920	5000.0	97	41009	No
155	GOM_TRA_1PNPDE20100102_233330_000000422085_00374_41009_2245.N1	02-JAN-2010 23:33:30	Dark	42.000	71	Iot Car	2.2460	7700.0	84	41009	No
156	GOM_TRA_1PNPDE20100102_233525_000000442085_00374_41009_2246.N1	02-JAN-2010 23:35:25	Dark	44.000	46	Del Vel	1.9540	10600.	88	41009	No
157	GOM_TRA_1PNPDE20100102_233815_000000472085_00374_41009_2247.N1	02-JAN-2010 23:38:15	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	41009	No
158	GOM_TRA_1PNPDE20100102_234026_000000452085_00374_41009_2248.N1	02-JAN-2010 23:40:26	Dark	44.500	70	Zet Pup	2.2460	39000.	89	41009	No
159	GOM_TRA_1PNPDE20100102_234227_000000462085_00374_41009_2249.N1	02-JAN-2010 23:42:27	Dark	46.000	117	Pi Pup	2.7060	3800.0	92	41009	No
160	GOM_TRA_1PNPDE20100102_234513_000000452085_00374_41009_2250.N1	02-JAN-2010 23:45:13	Straylight	44.500	23	21Eps CMa	1.5020	26000.	89	41009	No
161	GOM_TRA_1PNPDE20100102_234644_000000452085_00374_41009_2251.N1	02-JAN-2010 23:46:44	Straylight	44.500	179	24Omi2CMa	3.0320	24000.	89	41009	No
162	GOM_TRA_1PNPDE20100102_234910_000000382085_00374_41009_2252.N1	02-JAN-2010 23:49:10	Straylight	38.000	1	9Alp CMa	-1.4400	11000.	76	41009	No
163	GOM_TRA_1PNPDE20100102_235636_000000482085_00374_41009_2253.N1	02-JAN-2010 23:56:36	Twilight_stray	47.500	14	58Alp Ori	0.87000	3000.0	95	41009	No
164	GOM_TRA_1PNPDE20100102_235945_000000512085_00374_41009_2254.N1	02-JAN-2010 23:59:45	Bright	51.000	44	24Gam Gem	1.9280	11000.	102	41009	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.

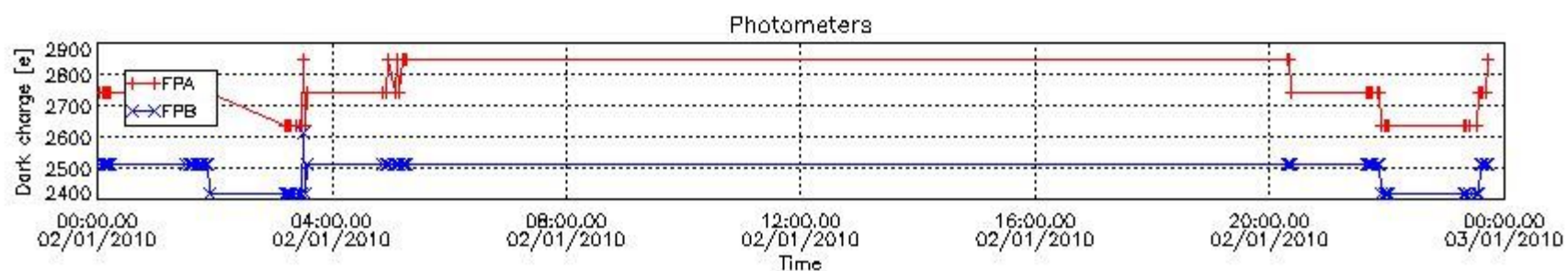
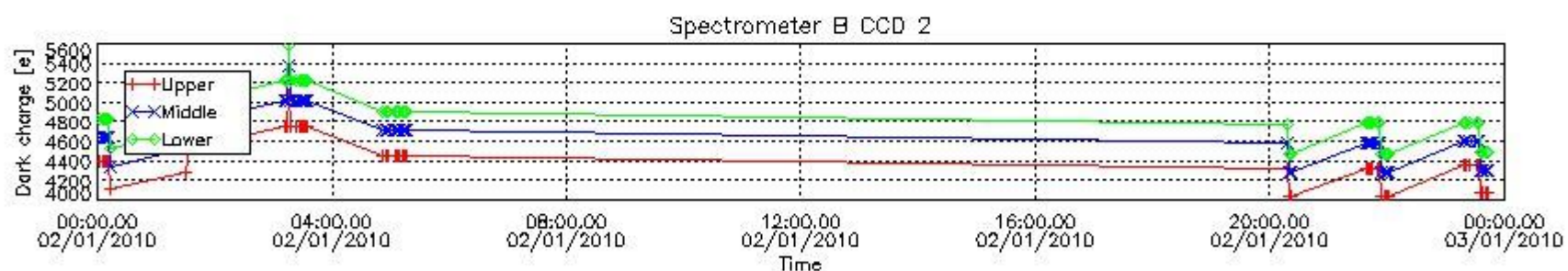
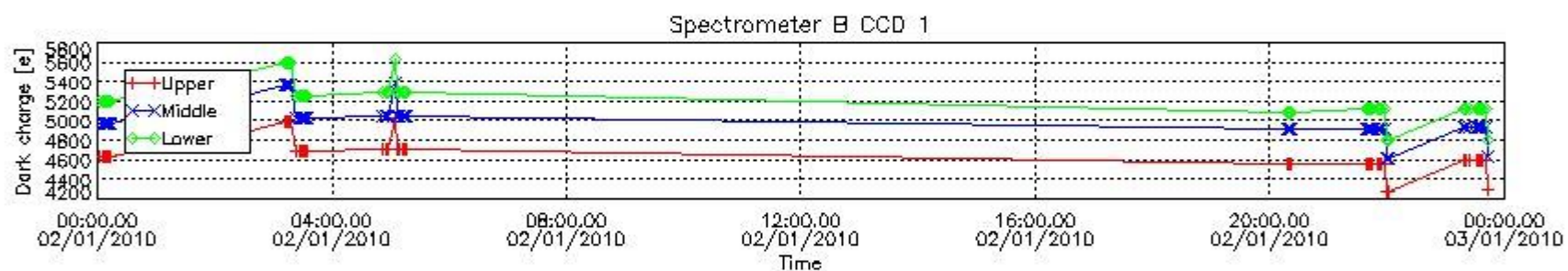
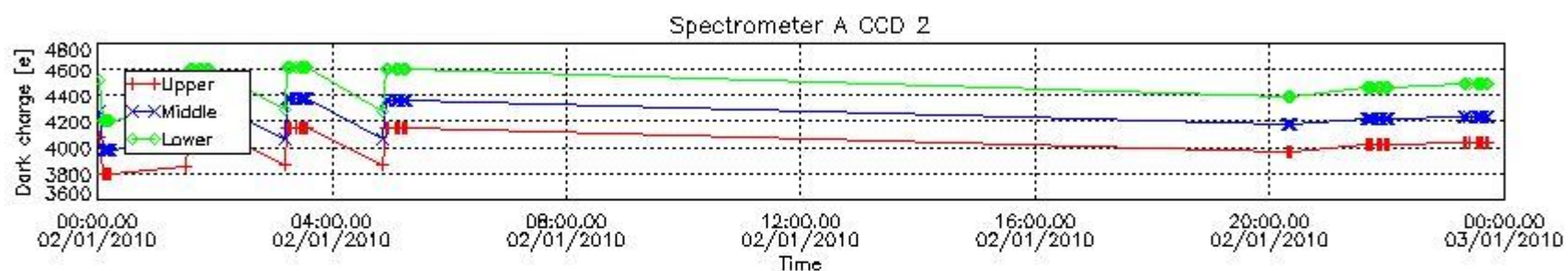
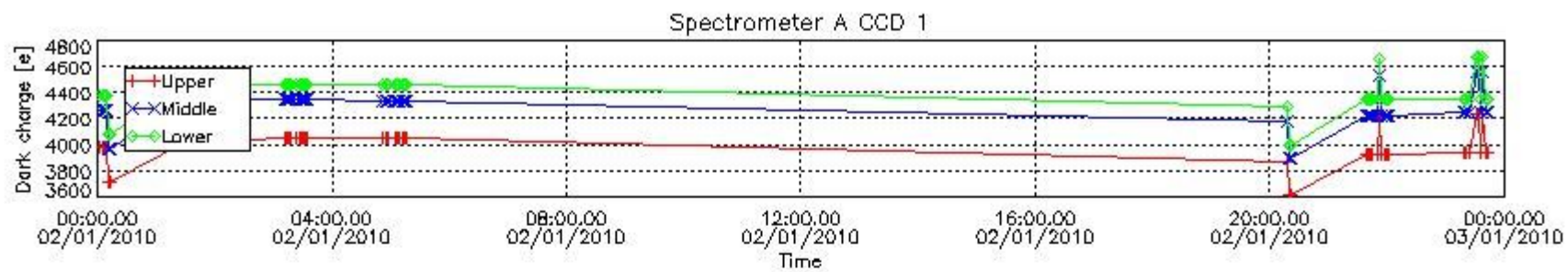
##### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20100102_201702_000000472085_00372_41007_2203.N1	DC map used
GOM_TRA_1PNPDE20100102_201914_000000482085_00372_41007_2204.N1	DC map used
GOM_TRA_1PNPDE20100102_202115_000000472085_00372_41007_2205.N1	DC map used
GOM_TRA_1PNPDE20100102_202401_000000472085_00372_41007_2206.N1	DC map used
GOM_TRA_1PNPDE20100102_202532_000000442085_00372_41007_2207.N1	DC map used
GOM_TRA_1PNPDE20100102_202758_000000502085_00372_41007_2208.N1	DC map used
GOM_TRA_1PNPDE20100102_203525_000000512085_00372_41007_2209.N1	DC map used
GOM_TRA_1PNPDE20100102_203834_000000522085_00372_41007_2210.N1	DC map used
GOM_TRA_1PNPDE20100102_204013_000000482085_00372_41007_2211.N1	DC map used
GOM_TRA_1PNPDE20100102_204414_000000382085_00372_41007_2212.N1	DC map used
GOM_TRA_1PNPDE20100102_204624_000000412085_00372_41007_2213.N1	DC map used
GOM_TRA_1PNPDE20100102_210301_000000362085_00372_41007_2214.N1	DC map used
GOM_TRA_1PNPDE20100102_210634_000000512085_00372_41007_2215.N1	DC map used
GOM_TRA_1PNPDE20100102_210956_000000492085_00372_41007_2216.N1	DC map used



GOM_TRA_1PNPDE20100102_211407_000000432085_00372_41007_2217.N1	DC map used
GOM_TRA_1PNPDE20100102_211753_000000432085_00372_41007_2218.N1	DC map used
GOM_TRA_1PNPDE20100102_212115_000000562085_00372_41007_2219.N1	DC map used
GOM_TRA_1PNPDE20100102_212312_000000362085_00372_41007_2220.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)

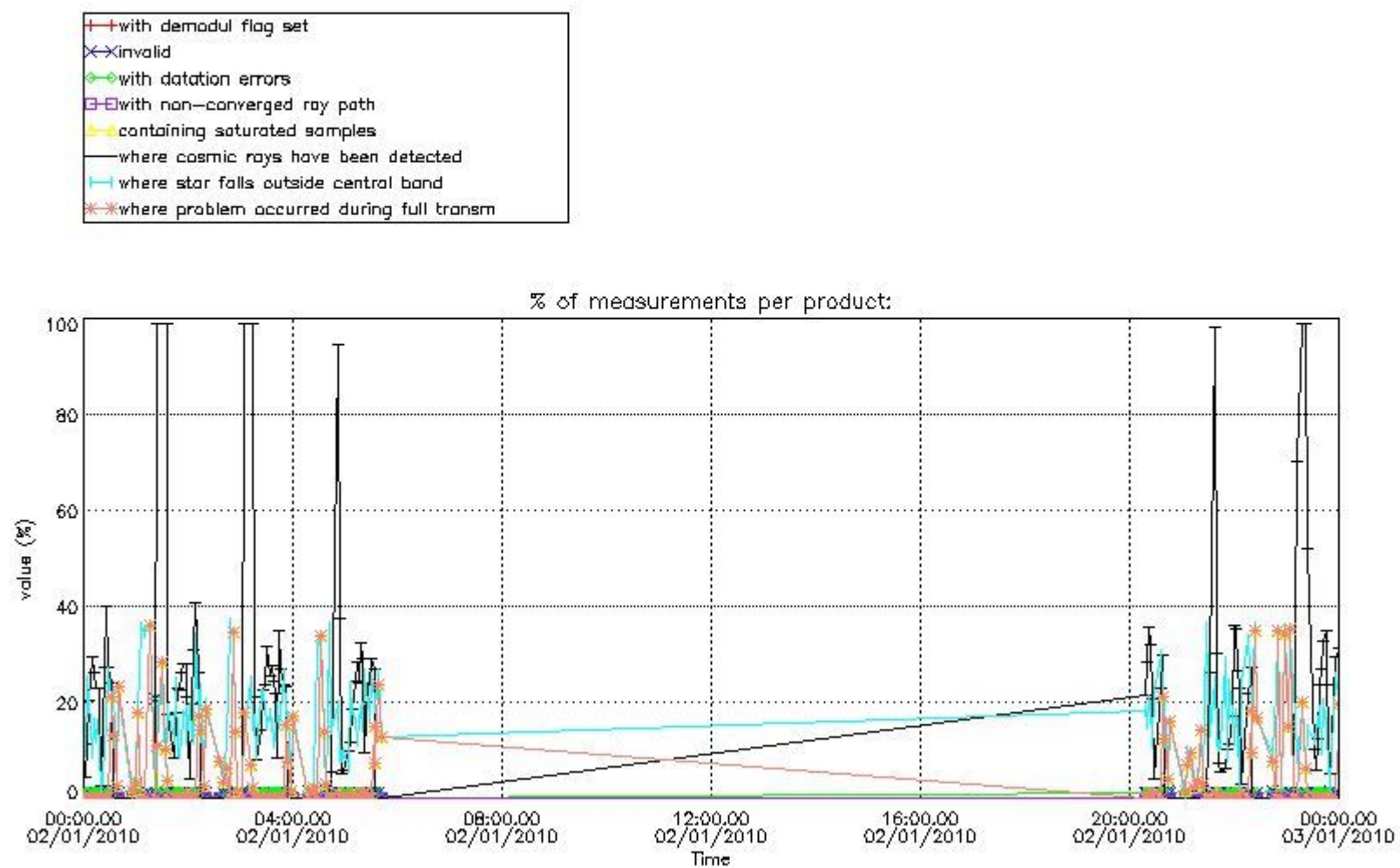


at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

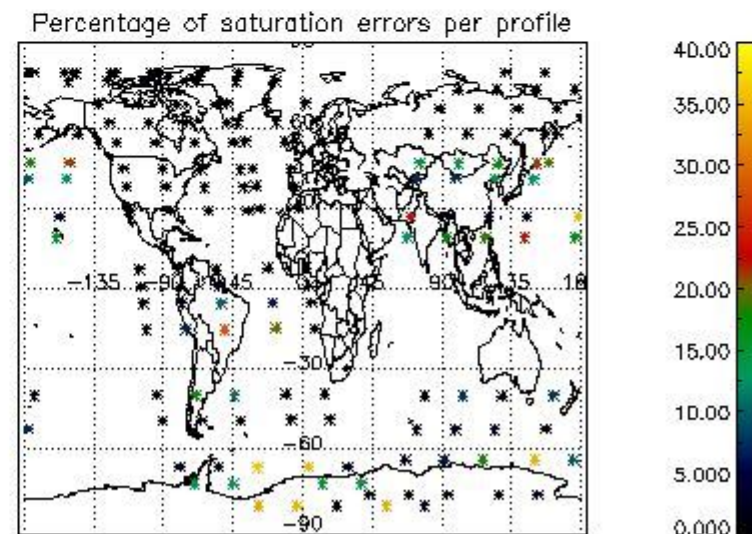
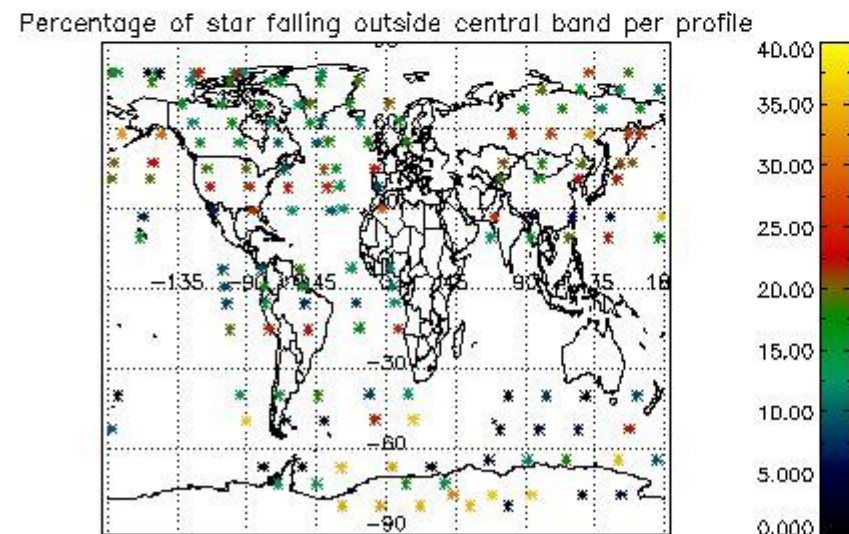
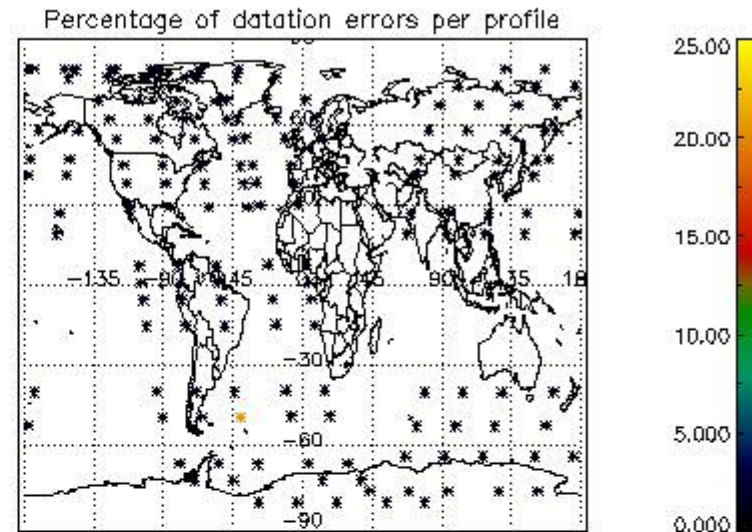
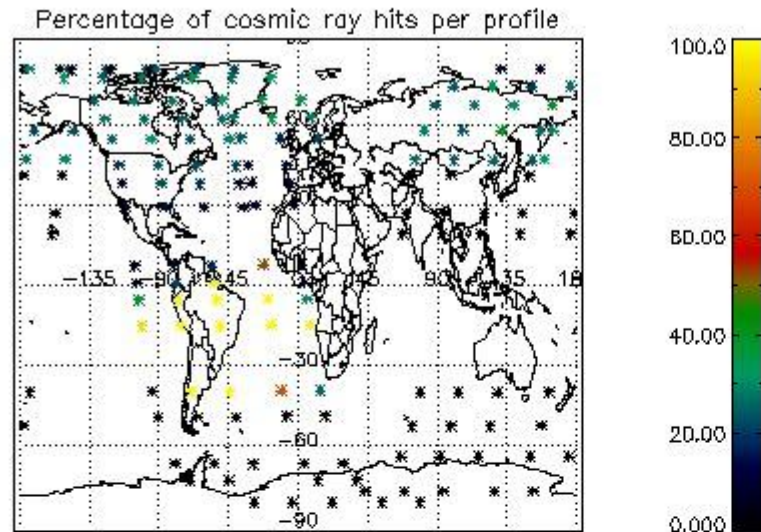
### 5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	46.3415 %
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)



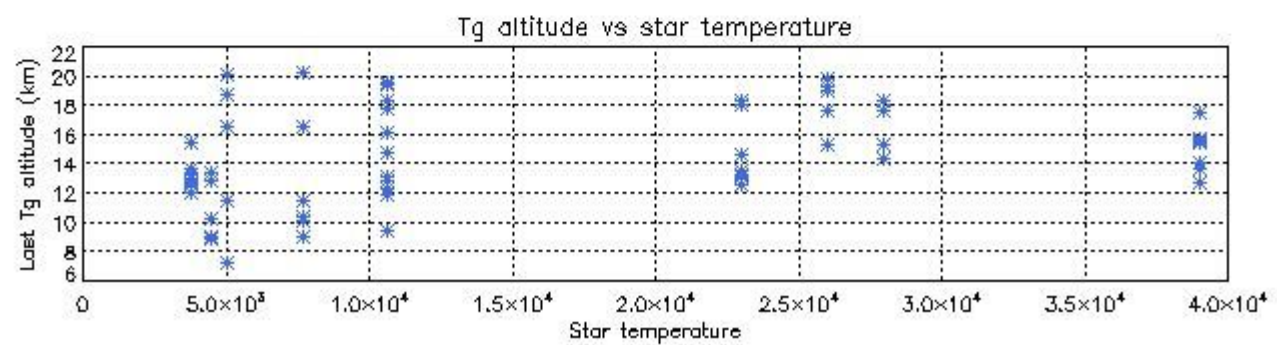
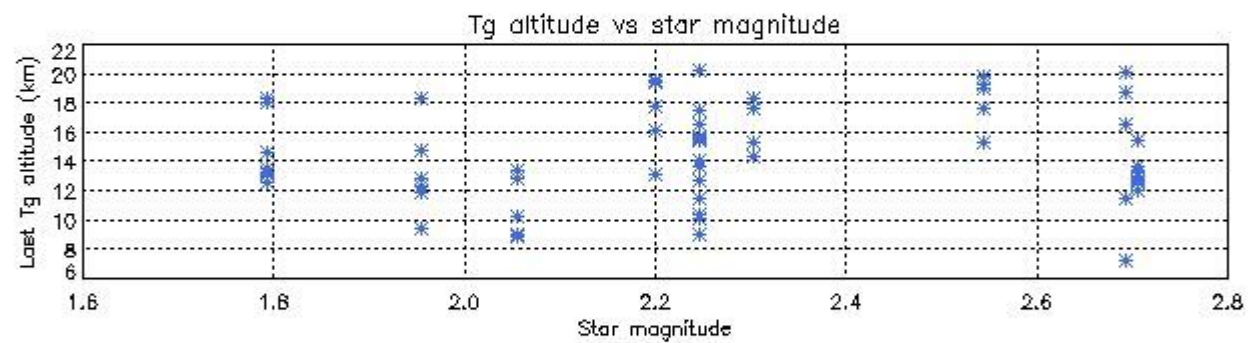
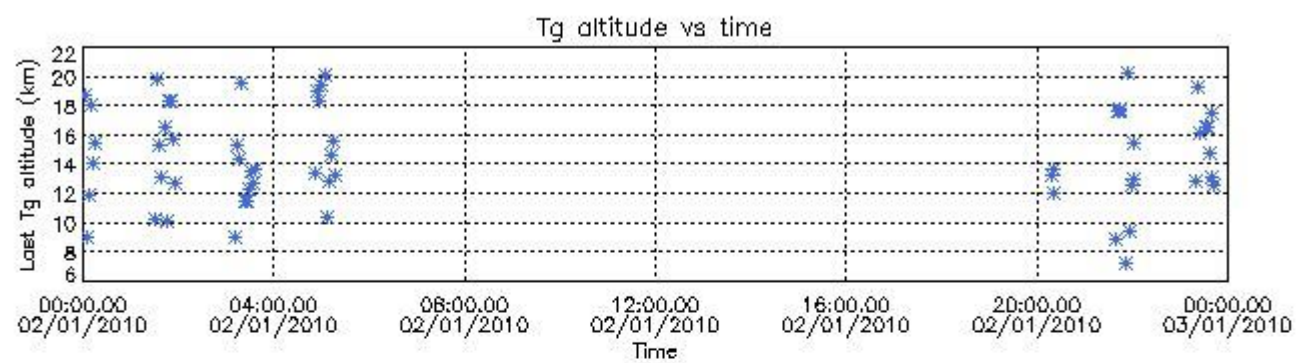
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.568	14.523	NaN
St. deviation:	3.2816	7.1694	NaN
Maximum:	20.244	30.538	NaN
Minimum:	7.2091	3.7496	NaN
Number of data:	58.000	65.000	NaN

### 6.2 Plot for DARK limb products

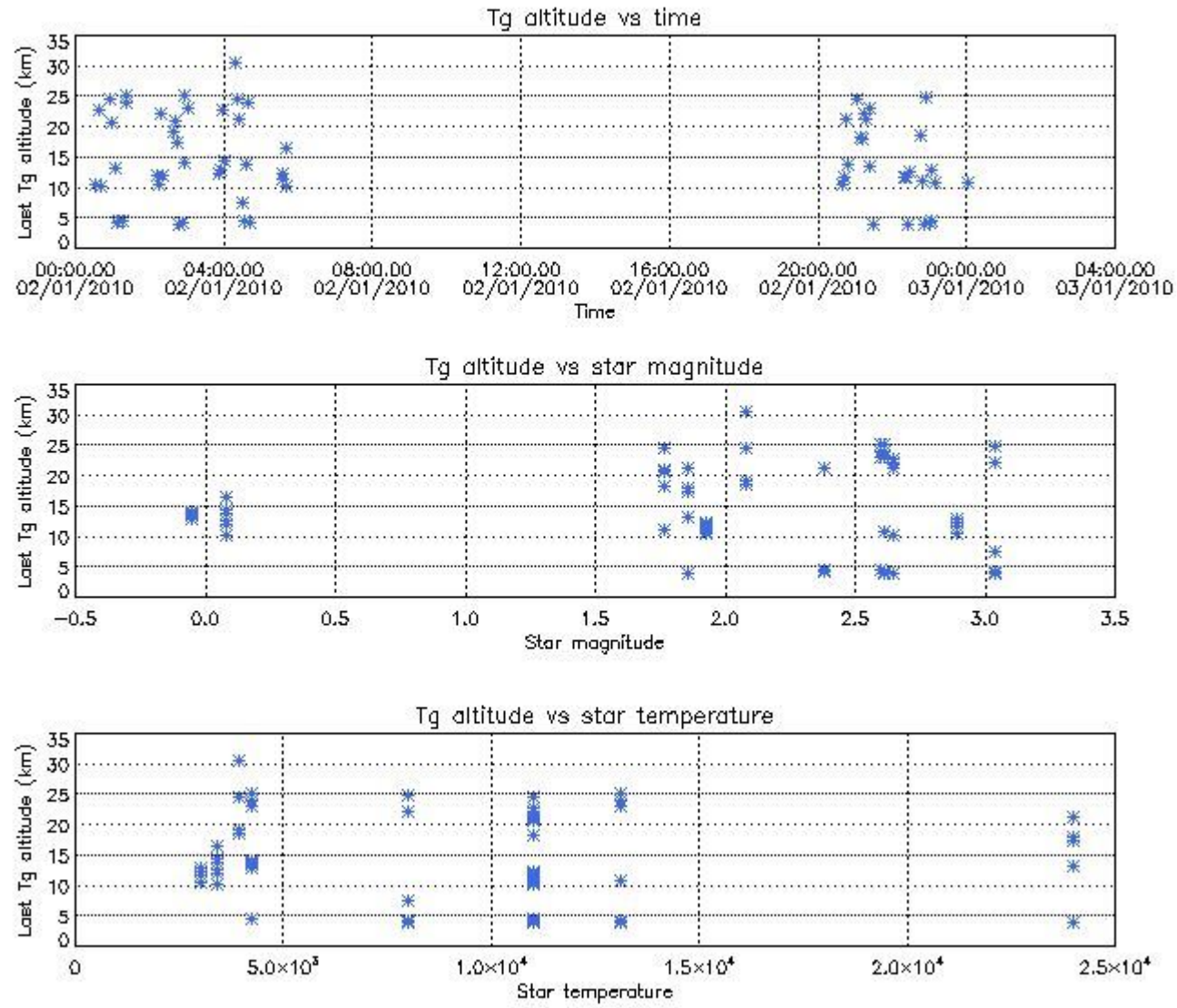
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products



## Tangent altitude at which the star is lost

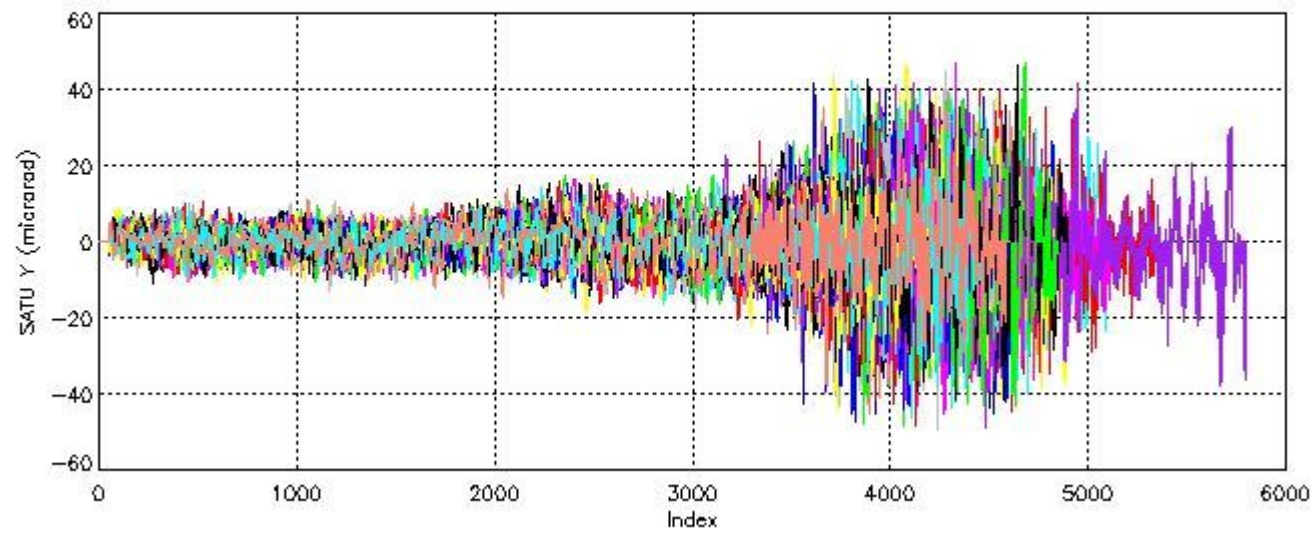
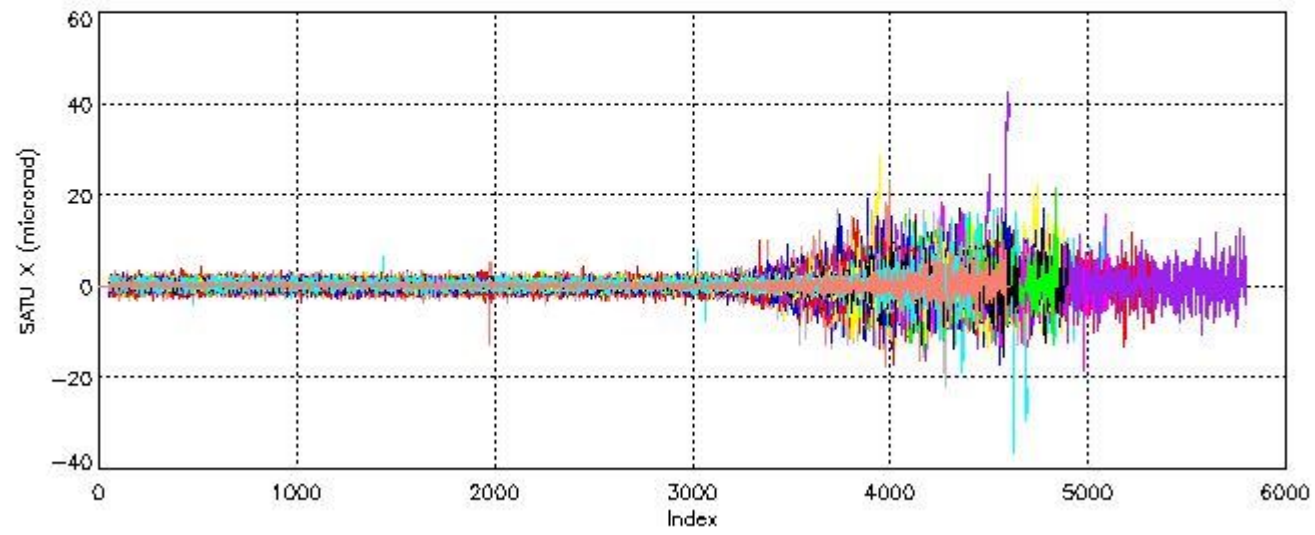


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.22652	-0.027585	0.19112	-0.16129
St. deviation:	0.60775	2.4468	0.65619	2.7029
Maximum:	4.1000	10.400	6.0000	11.300
Minimum:	-3.9000	-10.900	-5.0000	-12.200

Number of data:	56350.	56350.	62850.	62850.
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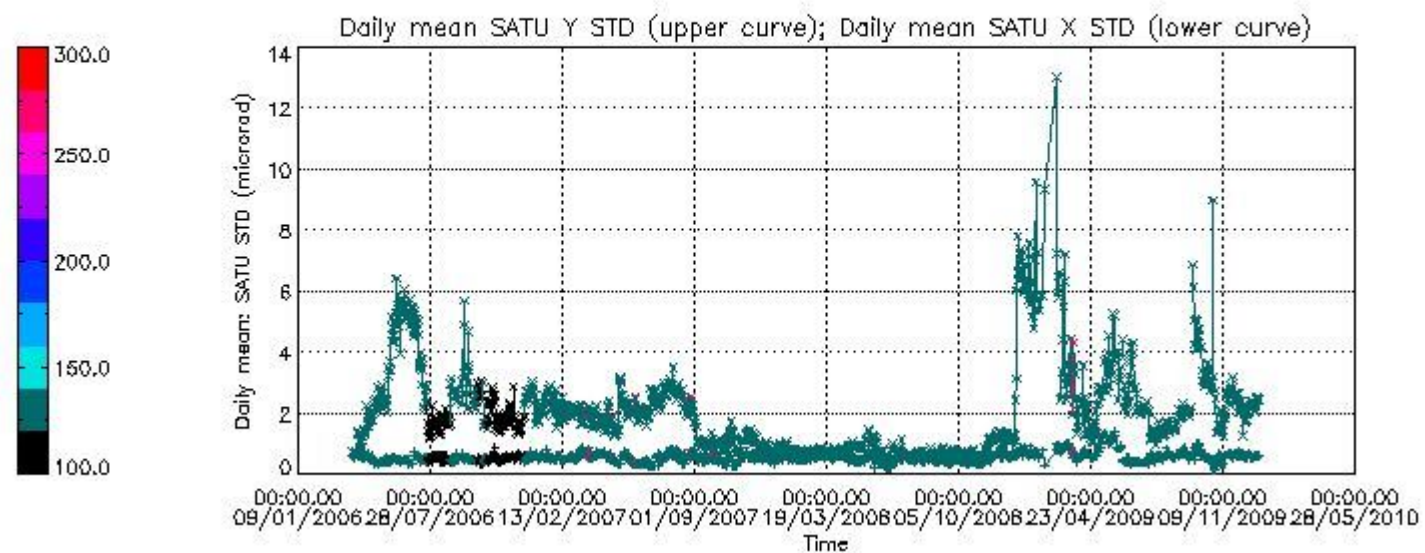
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

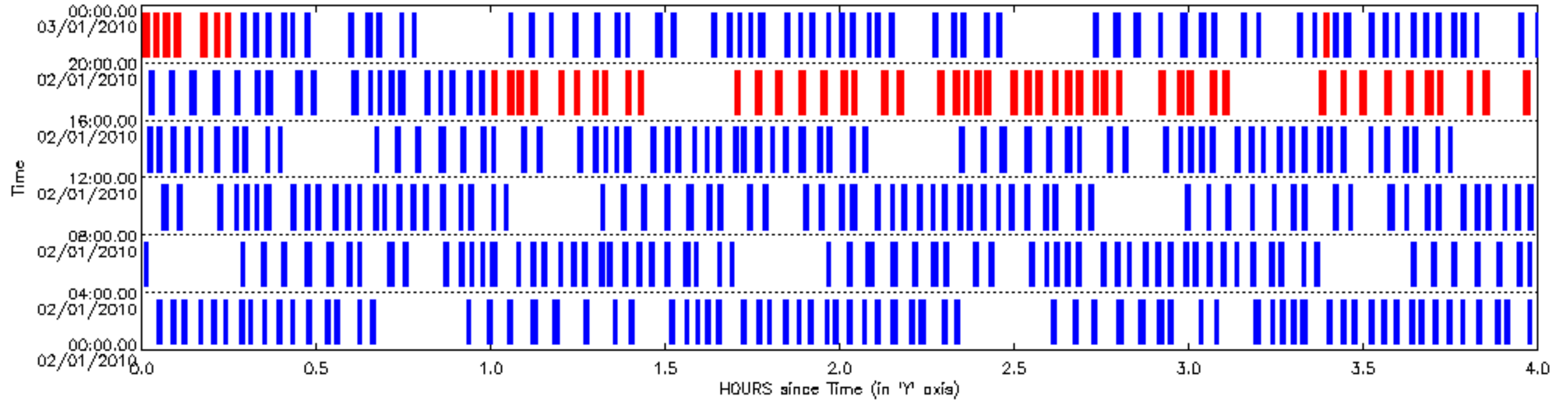


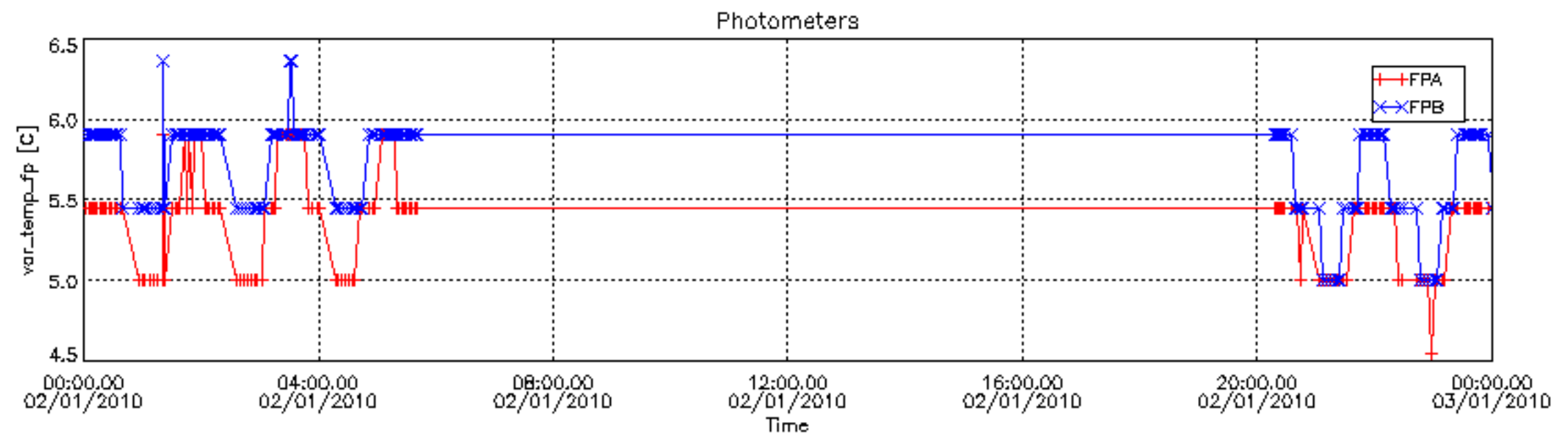
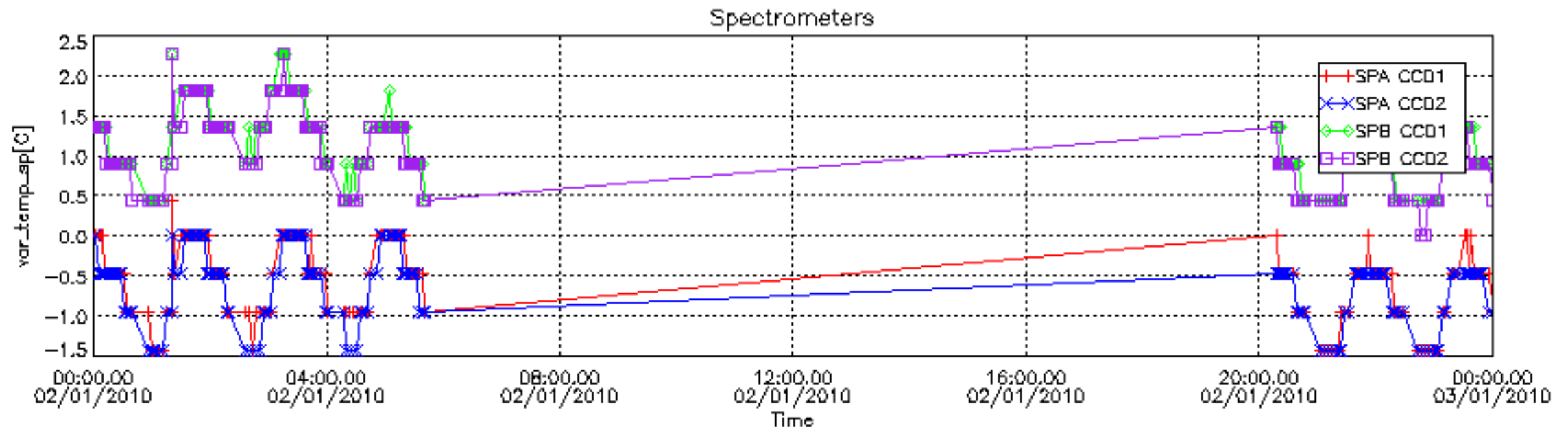
### 8. Auxiliary Data Files used for the production reported in section 2.4

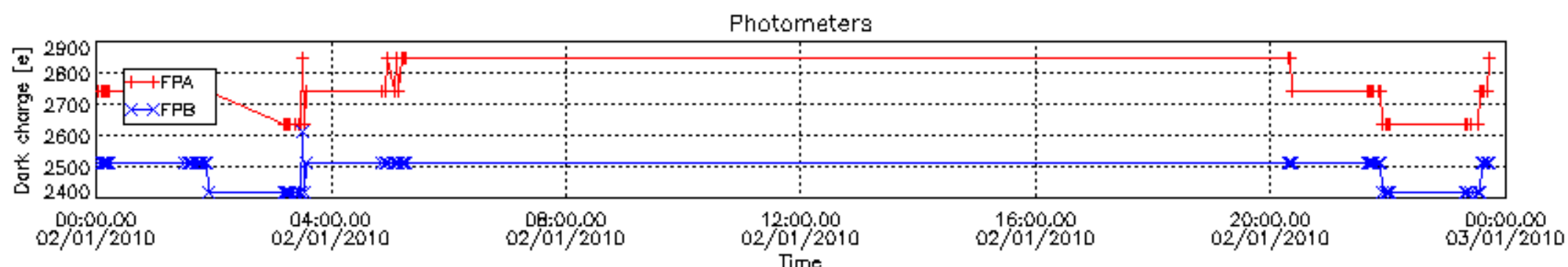
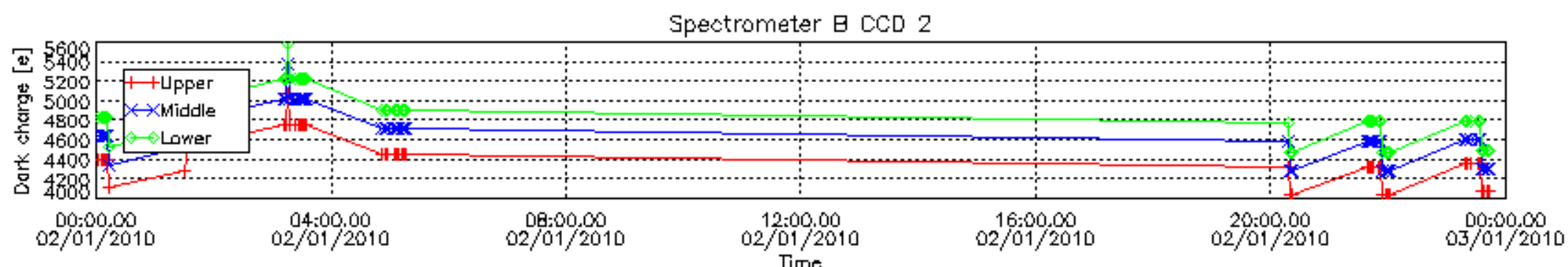
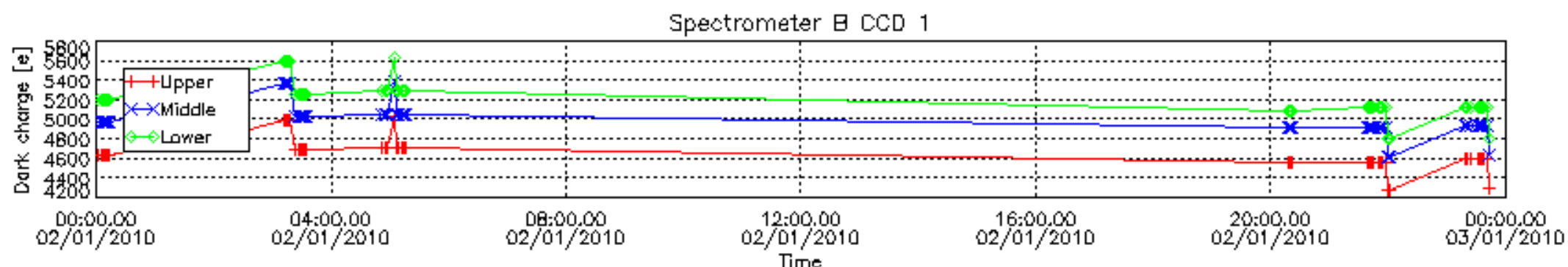
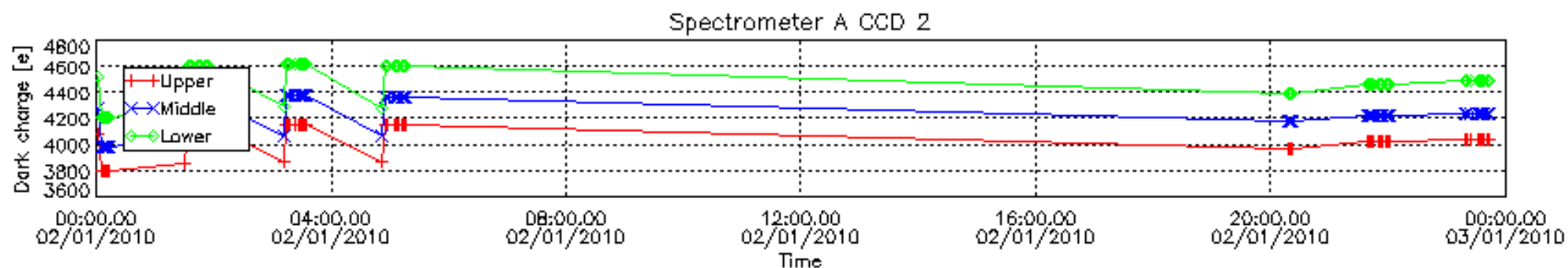
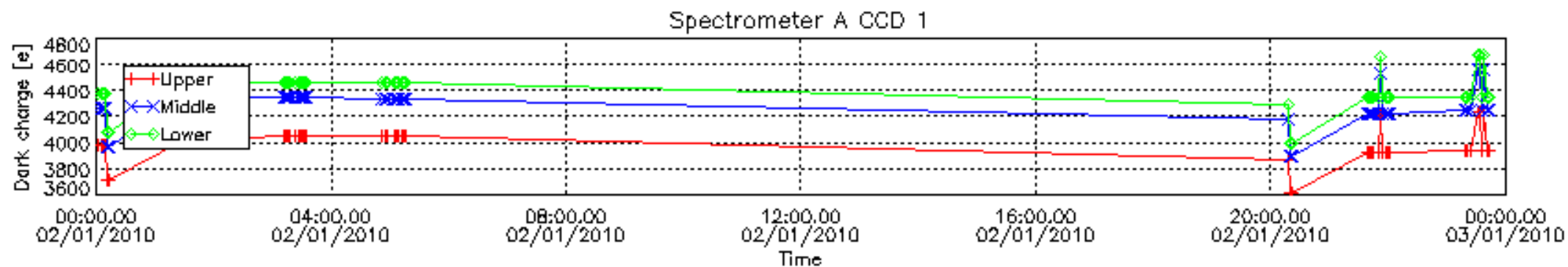
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	02-JAN-2010 00:02:30
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091229_111816_20091227_000000_20500101_000000	1	02-JAN-2010 00:02:30
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	02-JAN-2010 00:02:30
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	02-JAN-2010 00:02:30
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	02-JAN-2010 00:02:30
ECMWF_FILE	AUX_ECF_AXNECM20100101_062111_20100101_210000_20100102_090000	1	02-JAN-2010 00:02:30
ECMWF_FILE	AUX_ECF_AXNECM20100101_180112_20100102_030000_20100102_150000	75	02-JAN-2010 04:17:03
ECMWF_FILE	AUX_ECF_AXNECM20100102_062110_20100102_150000_20100103_030000	104	02-JAN-2010 20:17:02
ECMWF_FILE	AUX_ECF_AXNECM20100102_062111_20100102_210000_20100103_090000	122	02-JAN-2010 21:28:20
OPTIONAL_ECMWF_FILE	MISSING	1	02-JAN-2010 00:02:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100101_234025_000057382085_00359_40994_9482.N1	1	02-JAN-2010 00:02:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100102_011604_000044632085_00360_40995_9483.N1	24	02-JAN-2010 01:21:03
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100101_010110_20091231_192411_20100110_205025	47	02-JAN-2010 02:40:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100102_201304_000041442085_00372_41007_9486.N1	104	02-JAN-2010 20:17:02
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100102_212727_000057382085_00372_41007_9487.N1	122	02-JAN-2010 21:28:20
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100102_230824_000057382085_00373_41008_9488.N1	150	02-JAN-2010 23:11:39

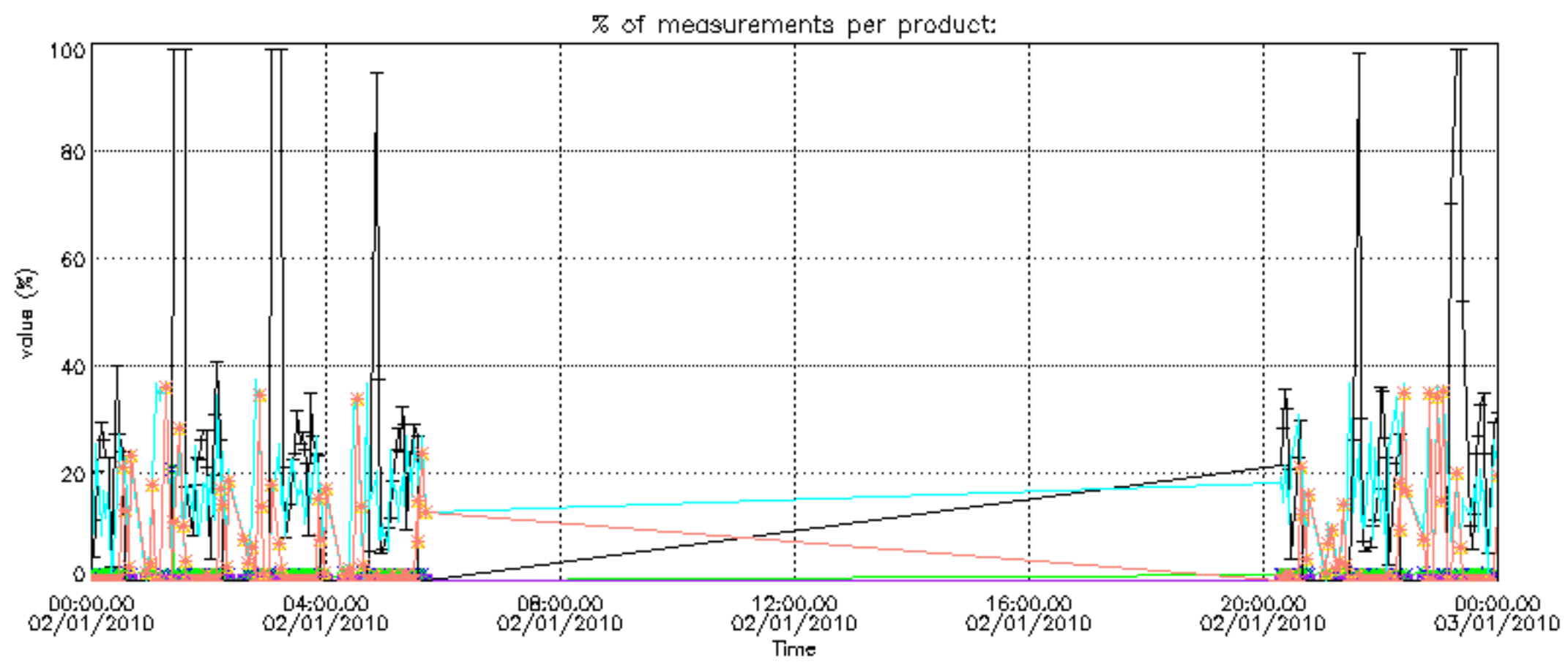
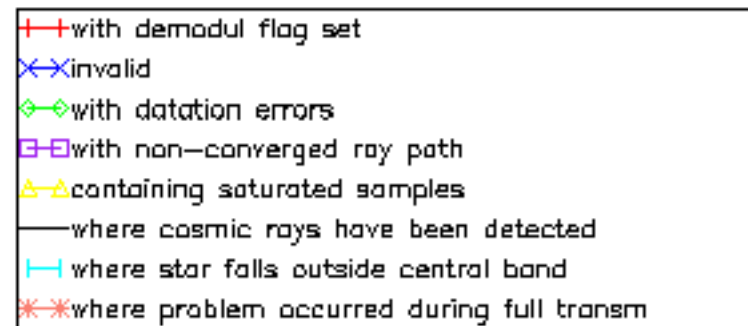




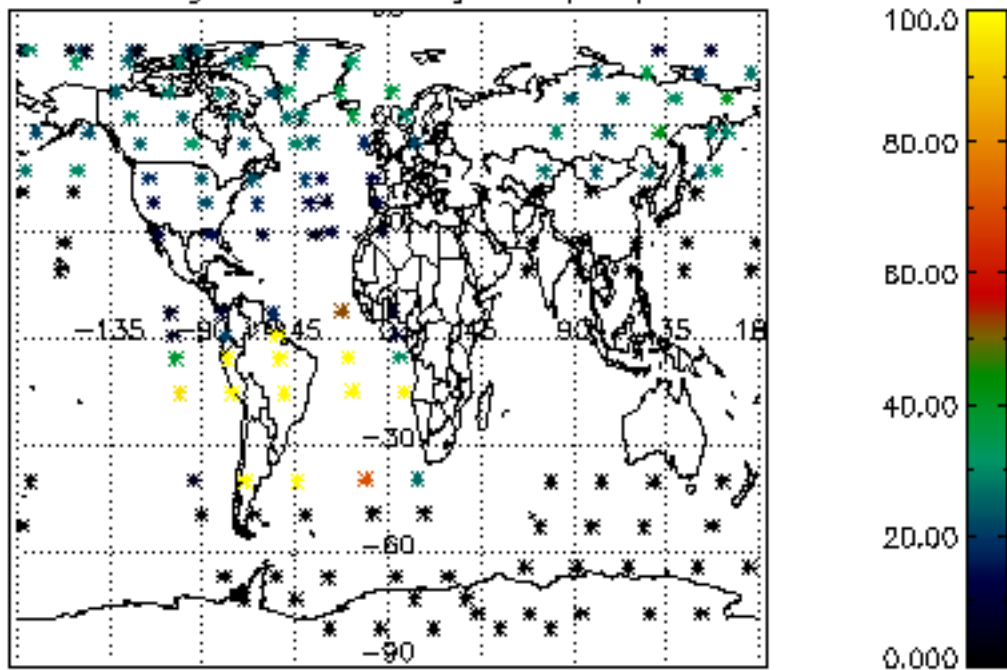




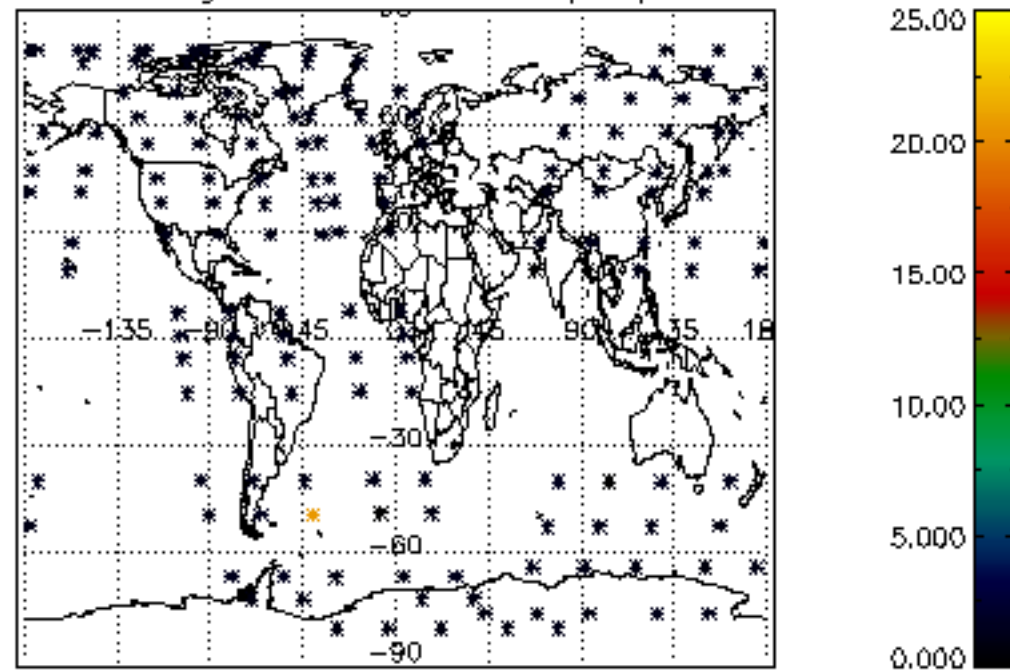




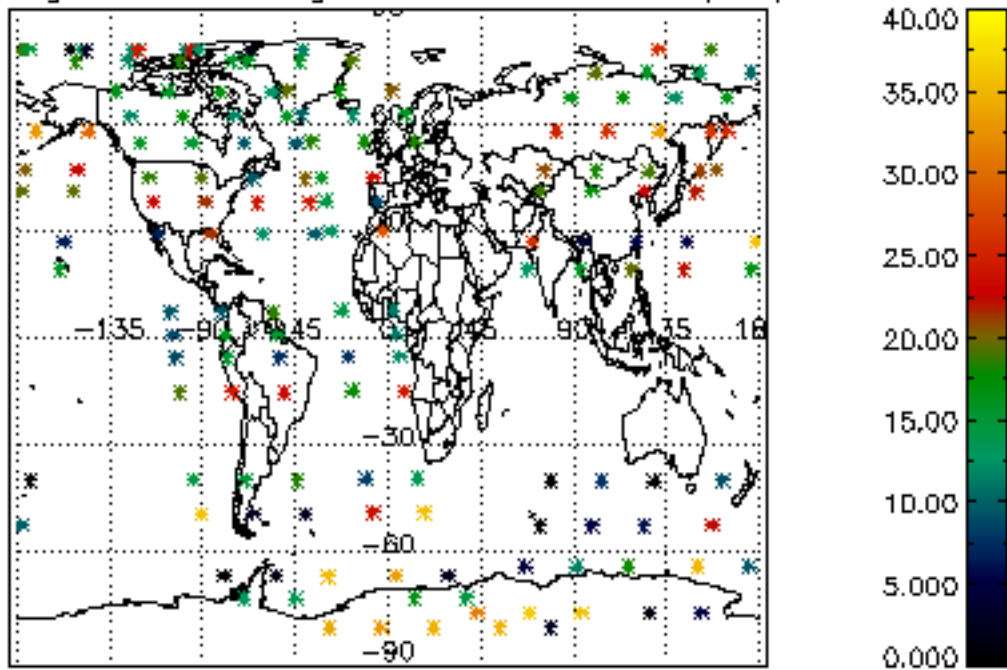
Percentage of cosmic ray hits per profile



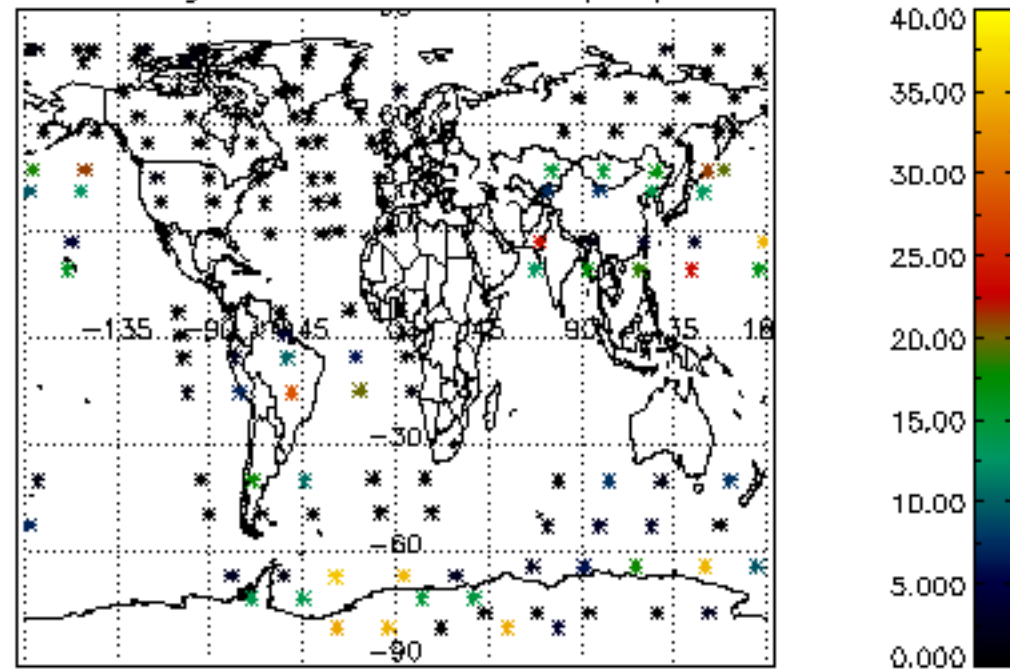
Percentage of datation errors per profile



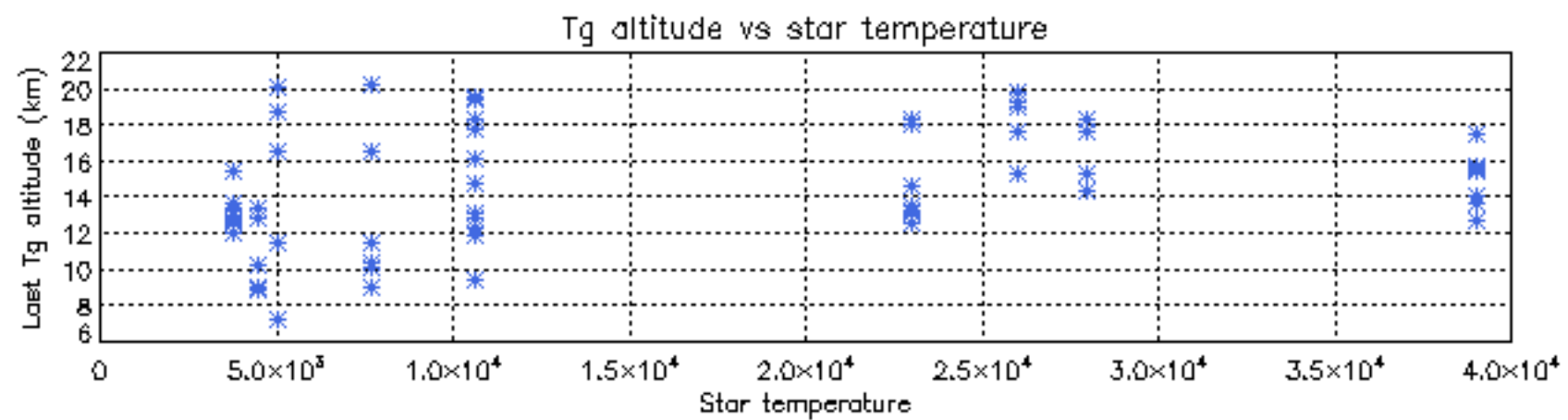
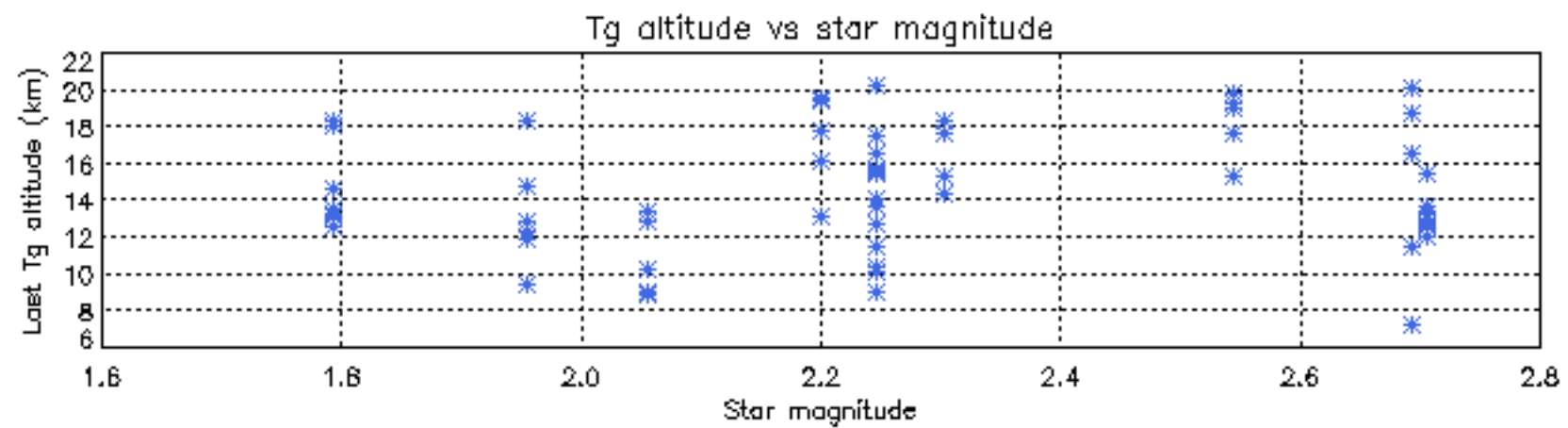
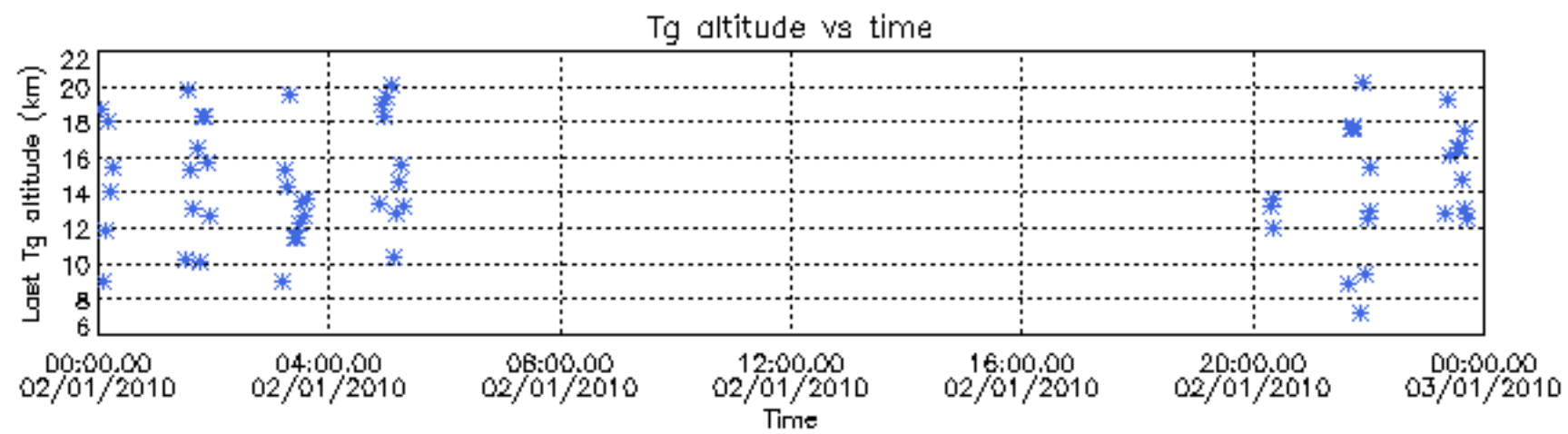
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

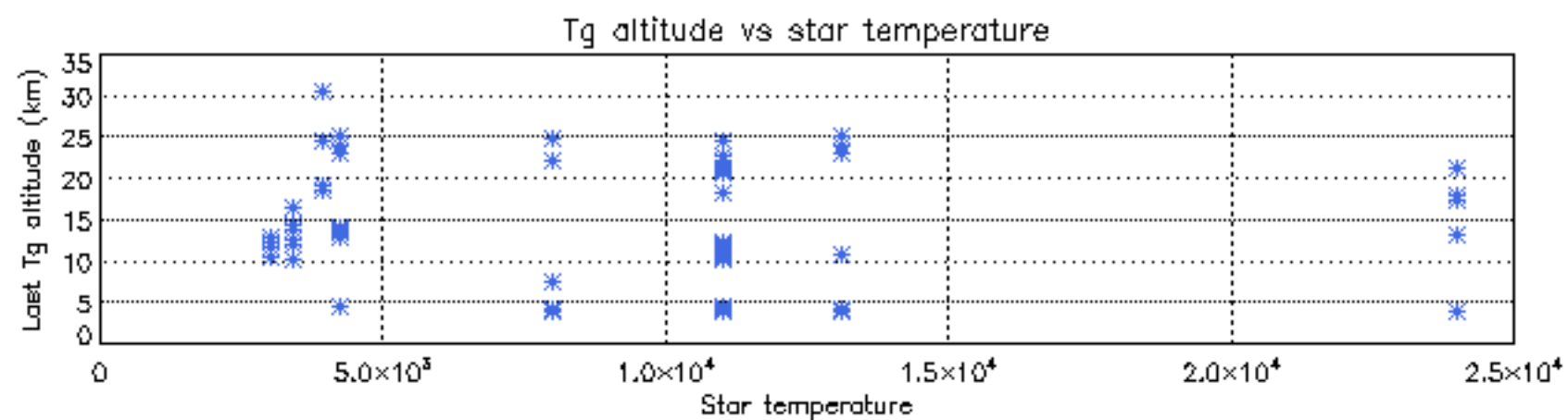
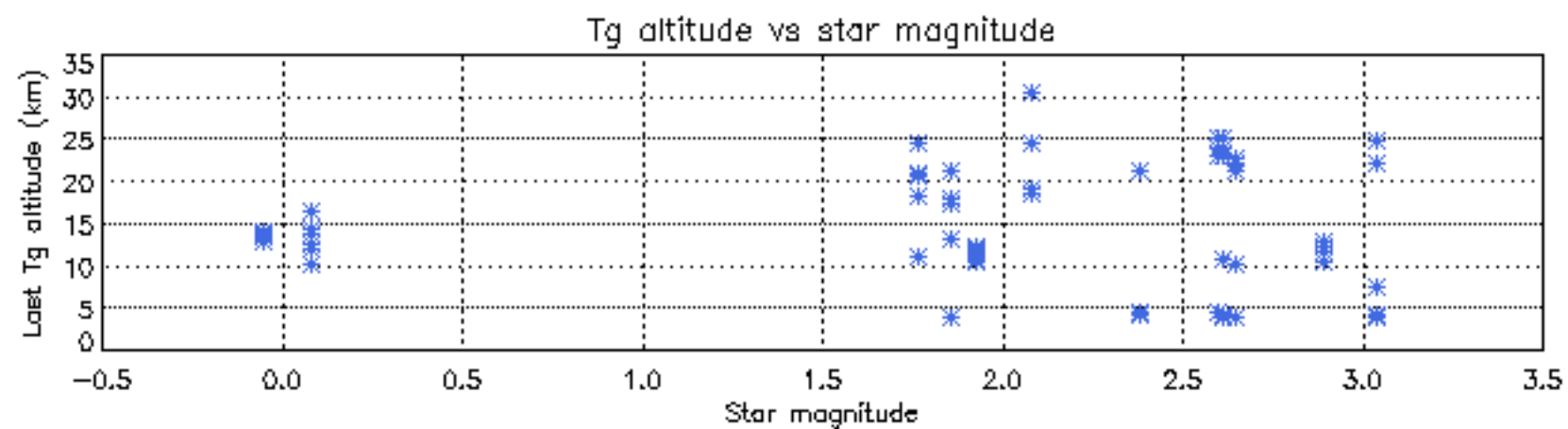
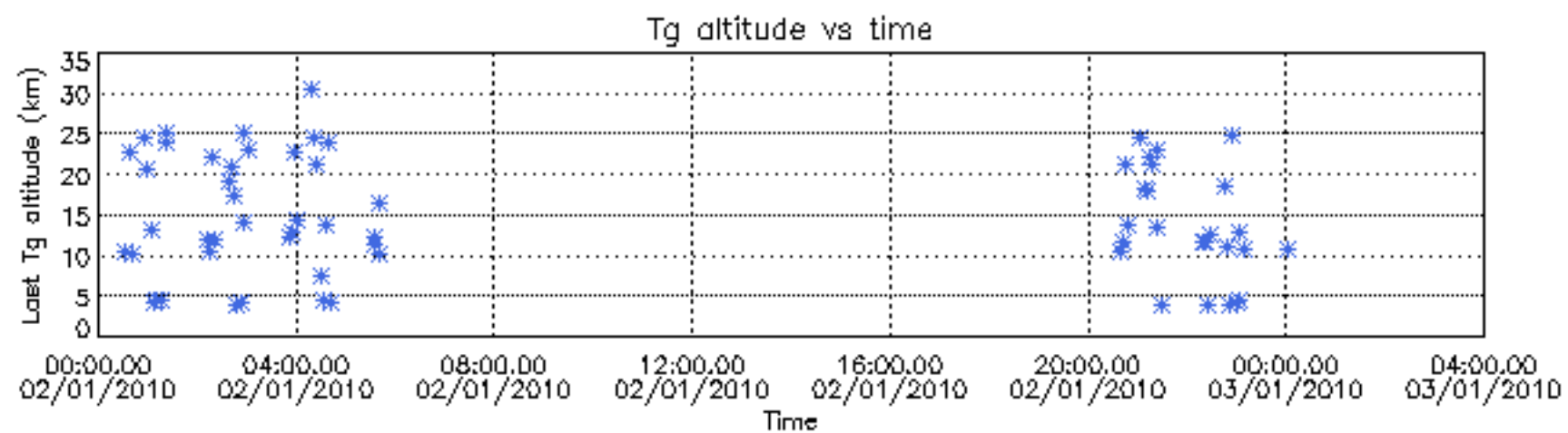


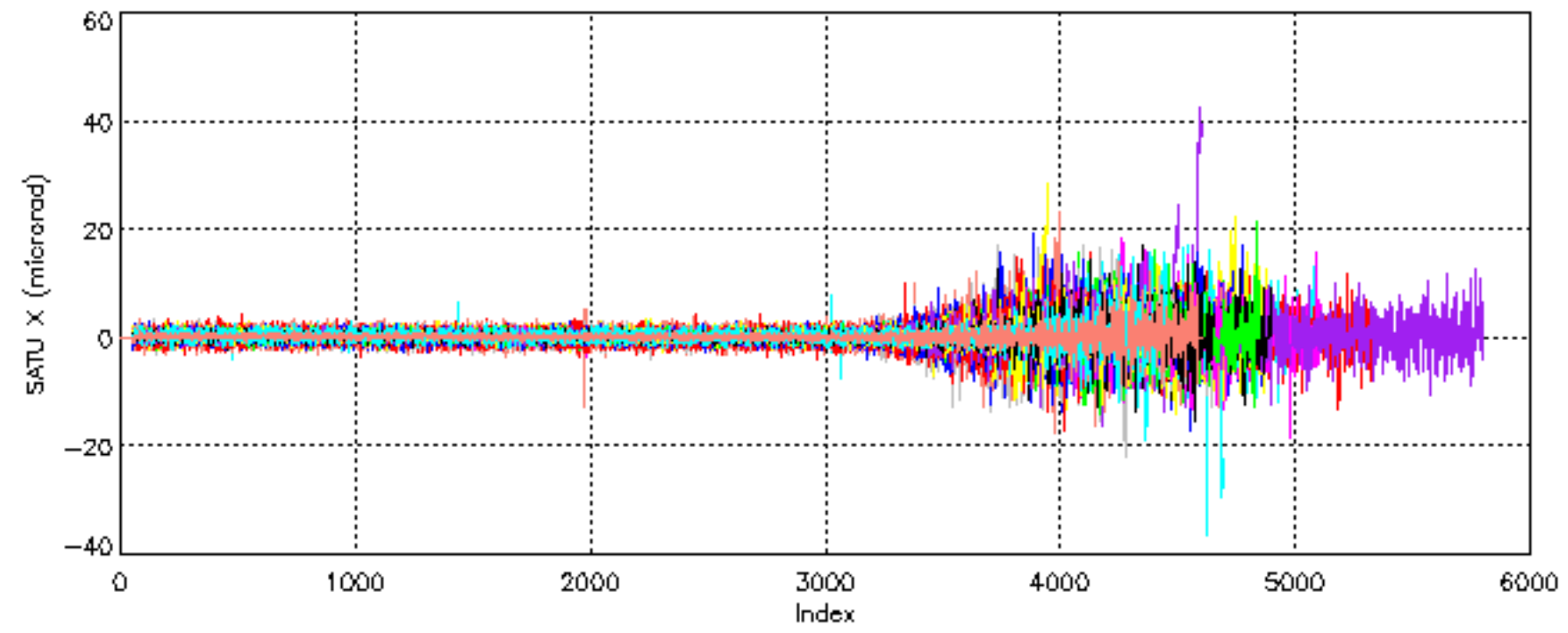
Tangent altitude at which the star is lost

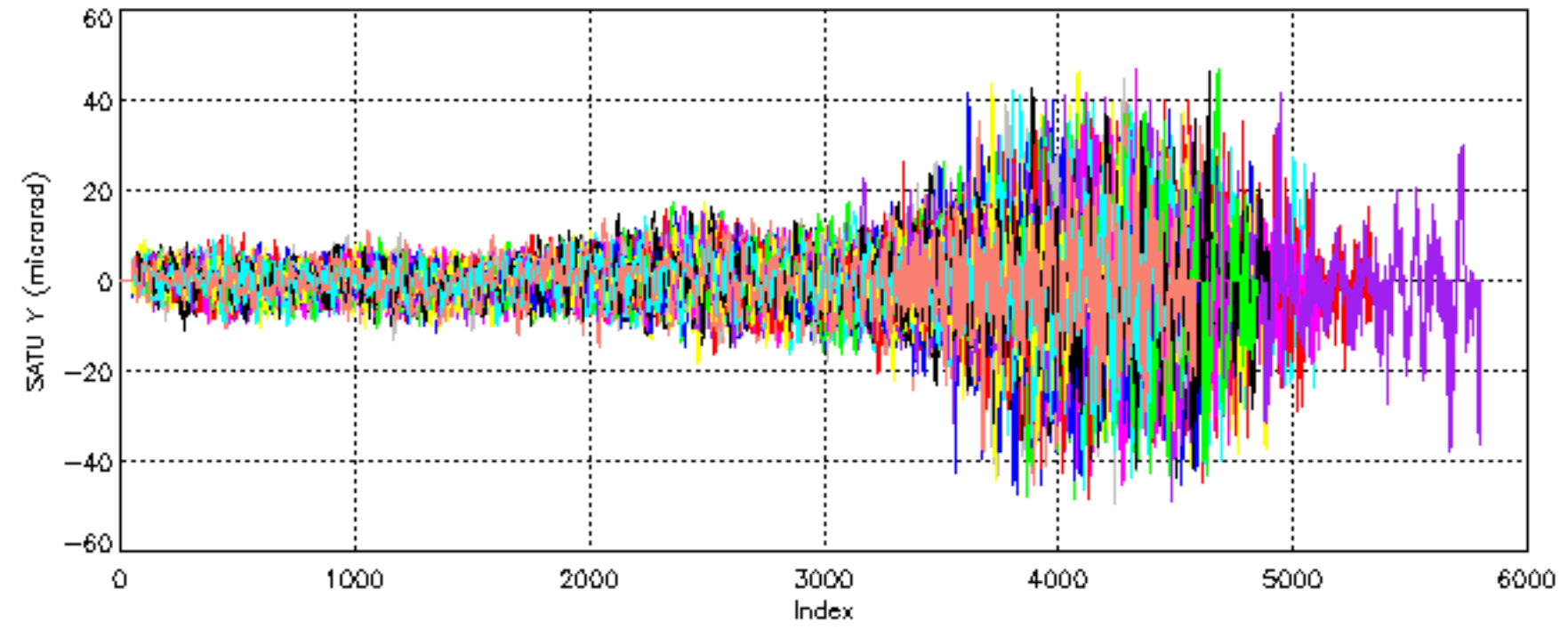


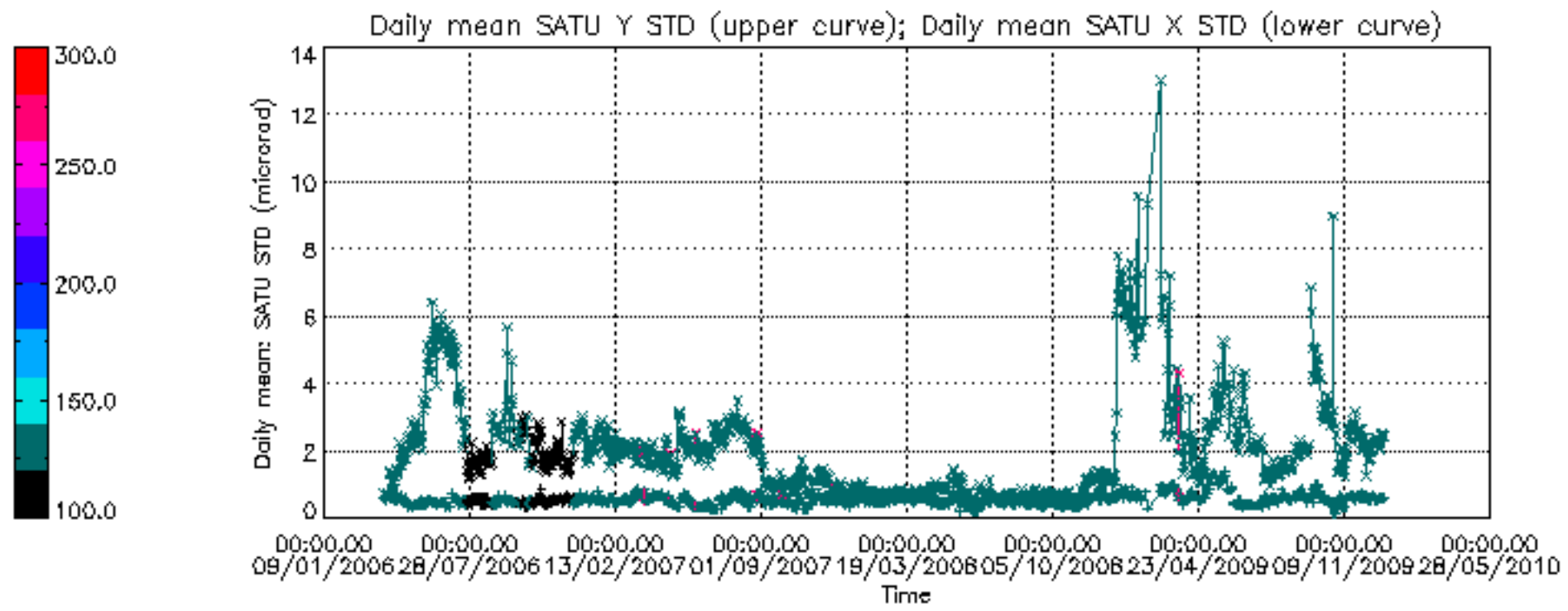


Tangent altitude at which the star is lost











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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

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20100101\_015236\_000045682085\_00346\_40981\_9244.N1

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
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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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21; 6149.7; 01-JAN-2010 15:33:16; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;40989
22; 6254.2; 01-JAN-2010 15:35:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40989
23; 6520.3; 01-JAN-2010 15:39:26; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40989
24; 6671.5; 01-JAN-2010 15:41:58; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40989
25; 6785.6; 01-JAN-2010 15:43:52; Dark ; 44.5; 46; Del Vel ; 1.95; 10600;occ; 89; 0;40989
26; 6956.9; 01-JAN-2010 15:46:43; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40989
27; 7088.4; 01-JAN-2010 15:48:54; Dark ; 48.0; 70; Zet Pup ; 2.25; 39000;occ; 96; 0;40989
28; 7211.8; 01-JAN-2010 15:50:58; Dark ; 47.5; 117; Pi Pup ; 2.71; 3800;occ; 95; 0;40989
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 3; 1582.7; 01-JAN-2010 15:57:45; Dark ; 51.0; 1; 9Alp CMA ; -1.44; 11000;occ; 102; 0;40990
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11; 3690.0; 01-JAN-2010 16:32:52; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;40990
12; 3907.8; 01-JAN-2010 16:36:30; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;40990
13; 4107.2; 01-JAN-2010 16:39:49; Bright; 50.0; 39; 85Eta UMa ; 1.85; 24000;occ; 100; 0;40990
14; 4353.4; 01-JAN-2010 16:43:55; Bright; 62.0; 180; 27Gam Boo ; 3.04; 8000;occ; 124; 0;40990
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17; 4893.7; 01-JAN-2010 16:52:56; Bright; 35.0; 102; 24Alp Ser ; 2.60; 4250;occ; 70; 0;40990
18; 5199.1; 01-JAN-2010 16:58:01; Bright; 56.0; 104; 27Bet Lib ; 2.61; 13100;occ; 112; 0;40990
19; 5359.6; 01-JAN-2010 17:00:42; Dark ; 43.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 87; 0;40990
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22; 6042.9; 01-JAN-2010 17:12:05; Dark ; 39.0; 77; Eps Cen ; 2.30; 28000;occ; 78; 0;40990
23; 6150.6; 01-JAN-2010 17:13:53; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;40990
24; 6255.1; 01-JAN-2010 17:15:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40990
25; 6521.2; 01-JAN-2010 17:20:03; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40990
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27; 6786.3; 01-JAN-2010 17:24:28; Dark ; 50.0; 46; Del Vel ; 1.95; 10600;occ; 100; 0;40990
28; 6957.3; 01-JAN-2010 17:27:19; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;40990
29; 7089.1; 01-JAN-2010 17:29:31; Dark ; 44.0; 70; Zet Pup ; 2.25; 39000;occ; 88; 0;40990

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2;	1176.0;	01-JAN-2010	17:31:34;	Dark	;	47.5;	117;	Pi Pup	;	2.71;	3800;occ;	95;	0;	40991
3;	1343.5;	01-JAN-2010	17:34:21;	Dark	;	47.5;	23;	21Eps CMA	;	1.50;	26000;occ;	95;	0;	40991
4;	1435.8;	01-JAN-2010	17:35:54;	Dark	;	46.0;	179;	240mi2CMA	;	3.03;	24000;occ;	92;	0;	40991
5;	1582.9;	01-JAN-2010	17:38:21;	Dark	;	50.5;	1;	9Alp CMA	;	-1.44;	11000;occ;	101;	0;	40991
6;	1731.9;	01-JAN-2010	17:40:50;	Dark	;	41.0;	56;	53Kap Ori	;	2.07;	30000;occ;	82;	0;	40991
7;	1883.2;	01-JAN-2010	17:43:21;	Dark	;	40.0;	30;	46Eps Ori	;	1.69;	30000;occ;	80;	0;	40991
8;	2032.2;	01-JAN-2010	17:45:50;	Dark	;	54.5;	14;	58Alp Ori	;	0.87;	3000;occ;	109;	0;	40991
9;	2225.8;	01-JAN-2010	17:49:04;	Dark	;	51.5;	44;	24Gam Gem	;	1.93;	11000;occ;	103;	0;	40991
10;	2324.1;	01-JAN-2010	17:50:42;	Bright;	;	47.0;	151;	13Mu Gem	;	2.89;	3000;occ;	94;	0;	40991
11;	2564.4;	01-JAN-2010	17:54:42;	Bright;	;	38.0;	107;	37The Aur	;	2.65;	11000;occ;	76;	0;	40991
12;	2691.7;	01-JAN-2010	17:56:50;	Bright;	;	44.5;	6;	13Alp Aur	;	0.08;	3400;occ;	89;	0;	40991
13;	3690.2;	01-JAN-2010	18:13:28;	Bright;	;	40.5;	60;	7Bet UMi	;	2.08;	3950;occ;	81;	0;	40991
14;	3907.4;	01-JAN-2010	18:17:05;	Bright;	;	49.5;	32;	77Eps UMa	;	1.76;	11000;occ;	99;	0;	40991
15;	4107.1;	01-JAN-2010	18:20:25;	Bright;	;	49.0;	39;	85Eta UMa	;	1.85;	24000;occ;	98;	0;	40991
16;	4353.4;	01-JAN-2010	18:24:31;	Bright;	;	41.5;	180;	27Gam Boo	;	3.04;	8000;occ;	83;	0;	40991
17;	4576.7;	01-JAN-2010	18:28:15;	Bright;	;	44.0;	83;		;	2.38;	11000;occ;	88;	0;	40991
18;	4775.7;	01-JAN-2010	18:31:34;	Bright;	;	54.5;	3;	16Alp Boo	;	-0.05;	4250;occ;	109;	0;	40991
19;	4893.9;	01-JAN-2010	18:33:32;	Bright;	;	35.0;	102;	24Alp Ser	;	2.60;	4250;occ;	70;	0;	40991
20;	5199.4;	01-JAN-2010	18:38:37;	Bright;	;	41.5;	104;	27Bet Lib	;	2.61;	13100;occ;	83;	0;	40991
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22;	5774.5;	01-JAN-2010	18:48:12;	Dark	;	47.5;	54;	5The Cen	;	2.06;	4500;occ;	95;	0;	40991
23;	5939.2;	01-JAN-2010	18:50:57;	Dark	;	40.5;	95;	Zet Cen	;	2.55;	26000;occ;	81;	0;	40991
24;	6043.5;	01-JAN-2010	18:52:41;	Dark	;	45.5;	77;	Eps Cen	;	2.30;	28000;occ;	91;	0;	40991
25;	6151.3;	01-JAN-2010	18:54:29;	Dark	;	43.0;	64;	Gam Cen	;	2.20;	10600;occ;	86;	0;	40991
26;	6256.0;	01-JAN-2010	18:56:14;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	40991
27;	6522.1;	01-JAN-2010	19:00:40;	Dark	;	46.0;	113;	Mu Vel	;	2.69;	5000;occ;	92;	0;	40991
28;	6672.3;	01-JAN-2010	19:03:10;	Dark	;	49.5;	71;	Iot Car	;	2.25;	7700;occ;	99;	0;	40991
29;	6786.7;	01-JAN-2010	19:05:05;	Dark	;	45.5;	46;	Del Vel	;	1.95;	10600;occ;	91;	0;	40991
30;	6957.9;	01-JAN-2010	19:07:56;	Dark	;	43.0;	34;	Gam2Vel	;	1.79;	23000;occ;	86;	0;	40991

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1;	946.4;	01-JAN-2010	19:08:20;	Dark	;	43.5;	34;	Gam2Vel	;	1.79;	23000;occ;	87;	49;	40992
2;	1053.7;	01-JAN-2010	19:10:08;	Dark	;	45.5;	70;	Zet Pup	;	2.25;	39000;occ;	91;	0;	40992
3;	1176.5;	01-JAN-2010	19:12:10;	Dark	;	47.0;	117;	Pi Pup	;	2.71;	3800;occ;	94;	0;	40992
4;	1343.9;	01-JAN-2010	19:14:58;	Dark	;	45.0;	23;	21Eps CMA	;	1.50;	26000;occ;	90;	0;	40992
5;	1435.6;	01-JAN-2010	19:16:30;	Dark	;	44.5;	179;	240mi2CMA	;	3.03;	24000;occ;	89;	0;	40992
6;	1583.1;	01-JAN-2010	19:18:57;	Dark	;	49.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	98;	0;	40992
7;	1732.0;	01-JAN-2010	19:21:26;	Dark	;	41.5;	56;	53Kap Ori	;	2.07;	30000;occ;	83;	0;	40992
8;	1868.3;	01-JAN-2010	19:23:42;	Dark	;	40.5;	33;	50Zet Ori	;	1.77;	30000;occ;	81;	0;	40992
9;	2032.0;	01-JAN-2010	19:26:26;	Dark	;	49.5;	14;	58Alp Ori	;	0.87;	3000;occ;	99;	0;	40992
10;	2225.6;	01-JAN-2010	19:29:40;	Dark	;	50.5;	44;	24Gam Gem	;	1.93;	11000;occ;	101;	0;	40992
11;	2324.0;	01-JAN-2010	19:31:18;	Bright;	;	45.0;	151;	13Mu Gem	;	2.89;	3000;occ;	90;	0;	40992
12;	2564.1;	01-JAN-2010	19:35:18;	Bright;	;	39.0;	107;	37The Aur	;	2.65;	11000;occ;	78;	0;	40992
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15;	3906.9;	01-JAN-2010	19:57:41;	Bright;	;	51.5;	32;	77Eps UMa	;	1.76;	11000;occ;	103;	0;	40992
16;	4106.5;	01-JAN-2010	20:01:00;	Bright;	;	45.5;	39;	85Eta UMa	;	1.85;	24000;occ;	91;	0;	40992
17;	4353.4;	01-JAN-2010	20:05:07;	Bright;	;	41.0;	180;	27Gam Boo	;	3.04;	8000;occ;	82;	0;	40992
18;	4576.7;	01-JAN-2010	20:08:51;	Bright;	;	62.0;	83;		;	2.38;	11000;occ;	124;	0;	40992
19;	4894.2;	01-JAN-2010	20:14:08;	Bright;	;	36.0;	102;	24Alp Ser	;	2.60;	4250;occ;	72;	0;	40992
20;	5199.4;	01-JAN-2010	20:19:13;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;occ;	112;	0;	40992
21;	5360.4;	01-JAN-2010	20:21:54;	Dark	;	46.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	93;	0;	40992
22;	5775.3;	01-JAN-2010	20:28:49;	Dark	;	47.5;	54;	5The Cen	;	2.06;	4500;occ;	95;	0;	40992
23;	5939.7;	01-JAN-2010	20:31:34;	Dark	;	39.5;	95;	Zet Cen	;	2.55;	26000;occ;	79;	0;	40992
24;	6043.9;	01-JAN-2010	20:33:18;	Dark	;	39.0;	77;	Eps Cen	;	2.30;	28000;occ;	78;	0;	40992
25;	6152.1;	01-JAN-2010	20:35:06;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;occ;	89;	0;	40992
26;	6256.9;	01-JAN-2010	20:36:51;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	40992
27;	6522.9;	01-JAN-2010	20:41:17;	Dark	;	47.5;	113;	Mu Vel	;	2.69;	5000;occ;	95;	0;	40992
28;	6672.9;	01-JAN-2010	20:43:47;	Dark	;	44.0;	71;	Iot Car	;	2.25;	7700;occ;	88;	0;	40992
29;	6787.2;	01-JAN-2010	20:45:41;	Dark	;	53.5;	46;	Del Vel	;	1.95;	10600;occ;	107;	0;	40992
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5;	9.7;	02-JAN-2010	01:35:07;	Dark	;	42.5;	77;	Eps Cen	;	2.30;	28000;occ;	85;	0;	40996



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22; 3688.3; 02-JAN-2010 22:43:37; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;41008
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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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
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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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3;	2031.9;	02-JAN-2010	07:10:37;	Dark	;	49.0;	14;	58Alp Ori	;	0.87;	3000;occ;	98;	0;40999
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 14; 4896.6; 02-JAN-2010 09:38:58; Bright; 54.0; 102; 24Alp Ser ; 2.60; 4250;occ; 108; 0;41000  
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 2; 2218.7; 03-JAN-2010 10:03:19; Dark ; 41.0; 44; 24Gam Gem ; 1.93; 11000;occ; 82; 0;41015
 3; 2317.6; 03-JAN-2010 10:04:58; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;41015
 4; 2559.0; 03-JAN-2010 10:08:59; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;41015
 5; 2690.0; 03-JAN-2010 10:11:10; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;41015
 6; 3687.4; 03-JAN-2010 10:27:48; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41015

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8; 4101.3; 03-JAN-2010 10:34:42; Bright; 47.5; 39; 85Eta UMa ; 1.85; 24000;occ; 95; 0;41015  
9; 4354.1; 03-JAN-2010 10:38:54; Bright; 44.0; 180; 27Gam Boo ; 3.04; 8000;occ; 88; 0;41015  
10; 4581.9; 03-JAN-2010 10:42:42; Bright; 54.5; 83; ; 2.38; 11000;occ; 109; 0;41015  
11; 4786.3; 03-JAN-2010 10:46:07; Bright; 56.0; 3; 16Alp Boo ;-0.05; 4250;occ; 112; 0;41015  
12; 4901.2; 03-JAN-2010 10:48:02; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;41015  
13; 5210.5; 03-JAN-2010 10:53:11; Bright; 54.0; 104; 27Bet Lib ; 2.61; 13100;occ; 108; 0;41015  
14; 5375.1; 03-JAN-2010 10:55:55; Dark ; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;41015  
15; 5792.6; 03-JAN-2010 11:02:53; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;41015  
16; 5954.4; 03-JAN-2010 11:05:35; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;41015  
17; 6057.3; 03-JAN-2010 11:07:18; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 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  
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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  
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17; 5793.5; 03-JAN-2010 12:43:30; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;41016  
18; 5955.2; 03-JAN-2010 12:46:11; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;41016  
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21; 6279.2; 03-JAN-2010 12:51:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41016  
22; 6544.1; 03-JAN-2010 12:56:00; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;41016  
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  
25; 6970.2; 03-JAN-2010 13:03:06; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;41016  
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  
29; 7477.0; 03-JAN-2010 13:11:33; Dark ; 42.5; 179; 240mi2CMa ; 3.03; 24000;occ; 85; 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  
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 18; 5955.9; 03-JAN-2010 14:26:48; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 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  
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 25; 6970.8; 03-JAN-2010 14:43:43; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;41017  
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 27; 7221.5; 03-JAN-2010 14:47:54; Dark ; 49.0; 117; Pi Pup ; 2.71; 3800;occ; 98; 0;41017  
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 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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 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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 10; 3687.2; 03-JAN-2010 17:10:11; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;41019  
 11; 3895.7; 03-JAN-2010 17:13:40; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;41019  
 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  
 14; 4354.2; 03-JAN-2010 17:21:18; Bright; 42.5; 180; 27Gam Boo ; 3.04; 8000;occ; 85; 0;41019  
 15; 4582.7; 03-JAN-2010 17:25:07; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;41019  
 16; 4788.3; 03-JAN-2010 17:28:32; Bright; 44.0; 3; 16Alp Boo ;-0.05; 4250;occ; 88; 0;41019  
 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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 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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26; 4908.4; 04-JAN-2010 23:41:19; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41037
27; 5221.9; 04-JAN-2010 23:46:33; Bright; 43.0; 104; 27Bet Lib ; 2.61; 13100;occ; 86; 0;41037
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4; -67.0; 04-JAN-2010 23:59:00; Dark ; 43.0; 95; Zet Cen ; 2.55; 26000;occ; 86; 0;41037
5; 34.5; 05-JAN-2010 00:00:41; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;41038
6; 153.6; 05-JAN-2010 00:02:40; Dark ; 46.0; 64; Gam Cen ; 2.20; 10600;occ; 92; 0;41038
7; 263.0; 05-JAN-2010 00:04:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41038
8; 526.3; 05-JAN-2010 00:08:53; Dark ; 51.0; 113; Mu Vel ; 2.69; 5000;occ; 102; 0;41038
9; 660.3; 05-JAN-2010 00:11:07; Dark ; 46.5; 71; Iot Car ; 2.25; 7700;occ; 93; 0;41038
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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

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 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  
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 26; 4908.9; 05-JAN-2010 01:21:56; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41038  
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 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  
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 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  
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 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  
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 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  
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 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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 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



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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  
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9; 4098.3; 04-JAN-2010 10:03:02; Bright; 48.0; 39; 85Eta UMa ; 1.85; 24000;occ; 96; 0;41029  
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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  
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22; 6806.9; 04-JAN-2010 10:48:10; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41029  
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25; 7225.8; 04-JAN-2010 10:55:09; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;41029  
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27; 7480.0; 04-JAN-2010 10:59:23; Dark ; 43.5; 179; 240mi2CMa ; 3.03; 24000;occ; 87; 0;41029  
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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  
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 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  
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 7; 2689.5; 04-JAN-2010 14:41:20; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;41032  
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 14; 5386.6; 04-JAN-2010 15:26:18; Dark ; 44.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 88; 0;41032  
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 19; 6294.3; 04-JAN-2010 15:41:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41032  
 20; 6558.1; 04-JAN-2010 15:45:49; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;41032  
 21; 6694.1; 04-JAN-2010 15:48:05; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;41032  
 22; 6808.3; 04-JAN-2010 15:49:59; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41032  
 23; 6978.2; 04-JAN-2010 15:52:49; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;41032  
 24; 7109.3; 04-JAN-2010 15:55:00; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;41032  
 25; 7226.6; 04-JAN-2010 15:56:58; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;41032

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 4; 2031.1; 04-JAN-2010 16:10:58; Dark ; 51.5; 14; 58Alp Ori ; 0.87; 3000;occ; 103; 0;41033  
 5; 2213.7; 04-JAN-2010 16:14:01; Dark ; 49.5; 44; 24Gam Gem ; 1.93; 11000;occ; 99; 0;41033  
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 11; 4354.5; 04-JAN-2010 16:49:41; Bright; 56.0; 180; 27Gam Boo ; 3.04; 8000;occ; 112; 0;41033  
 12; 4585.9; 04-JAN-2010 16:53:33; Bright; 46.0; 83; ; 2.38; 11000;occ; 92; 0;41033  
 13; 4907.3; 04-JAN-2010 16:58:54; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;41033  
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 15; 5387.0; 04-JAN-2010 17:06:54; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;41033  
 16; 5807.0; 04-JAN-2010 17:13:54; Dark ; 48.5; 54; 5The Cen ; 2.06; 4500;occ; 97; 0;41033  
 17; 5966.6; 04-JAN-2010 17:16:33; Dark ; 42.5; 95; Zet Cen ; 2.55; 26000;occ; 85; 0;41033  
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 19; 6186.3; 04-JAN-2010 17:20:13; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41033  
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 21; 6559.0; 04-JAN-2010 17:26:26; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;41033  
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 3; 1354.6; 04-JAN-2010 17:40:18; Dark ; 45.5; 23; 21Eps CMa ; 1.50; 26000;occ; 91; 0;41034  
 4; 1445.1; 04-JAN-2010 17:41:48; Dark ; 43.0; 179; 240mi2CMa ; 3.03; 24000;occ; 86; 0;41034  
 5; 1588.0; 04-JAN-2010 17:44:11; Dark ; 49.0; 1; 9Alp CMa ; -1.44; 11000;occ; 98; 0;41034

6; 2031.0; 04-JAN-2010 17:51:34; Dark ; 48.0; 14; 58Alp Ori ; 0.87; 3000;occ; 96; 0;41034  
7; 2213.4; 04-JAN-2010 17:54:36; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;41034  
8; 2313.1; 04-JAN-2010 17:56:16; Bright; 48.5; 151; 13Mu Gem ; 2.89; 3000;occ; 97; 0;41034  
9; 2555.3; 04-JAN-2010 18:00:18; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;41034  
10; 2688.8; 04-JAN-2010 18:02:32; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;41034  
11; 3685.2; 04-JAN-2010 18:19:08; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;41034  
12; 3953.5; 04-JAN-2010 18:23:36; Bright; 49.5; 55; 79Zet UMa ; 2.06; 10200;occ; 99; 0;41034  
13; 4354.6; 04-JAN-2010 18:30:18; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;41034  
14; 4586.2; 04-JAN-2010 18:34:09; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;41034  
15; 4907.8; 04-JAN-2010 18:39:31; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41034  
16; 5220.5; 04-JAN-2010 18:44:43; Bright; 54.5; 104; 27Bet Lib ; 2.61; 13100;occ; 109; 0;41034  
17; 5387.8; 04-JAN-2010 18:47:31; Dark ; 44.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 88; 0;41034  
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20; 6068.8; 04-JAN-2010 18:58:52; Dark ; 38.5; 77; Eps Cen ; 2.30; 28000;occ; 77; 0;41034  
21; 6187.1; 04-JAN-2010 19:00:50; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41034  
22; 6296.2; 04-JAN-2010 19:02:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41034  
23; 6559.7; 04-JAN-2010 19:07:03; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;41034  
24; 6695.1; 04-JAN-2010 19:09:18; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;41034  
25; 6809.4; 04-JAN-2010 19:11:12; Dark ; 48.0; 46; Del Vel ; 1.95; 10600;occ; 96; 0;41034  
26; 6979.2; 04-JAN-2010 19:14:02; Dark ; 22.5; 34; Gam2Vel ; 1.79; 23000;occ; 45; 0;41034

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4; 1355.0; 04-JAN-2010 19:20:54; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;41035  
5; 1445.2; 04-JAN-2010 19:22:24; Dark ; 42.5; 179; 24Omi2CMA ; 3.03; 24000;occ; 85; 0;41035  
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7; 2030.9; 04-JAN-2010 19:32:10; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;41035  
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9; 2312.6; 04-JAN-2010 19:36:52; Bright; 48.0; 151; 13Mu Gem ; 2.89; 3000;occ; 96; 0;41035  
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12; 3685.2; 04-JAN-2010 19:59:44; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;41035  
13; 3953.3; 04-JAN-2010 20:04:12; Bright; 47.0; 55; 79Zet UMa ; 2.06; 10200;occ; 94; 0;41035  
14; 4354.8; 04-JAN-2010 20:10:54; Bright; 46.0; 180; 27Gam Boo ; 3.04; 8000;occ; 92; 0;41035  
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16; 4908.0; 04-JAN-2010 20:20:07; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41035  
17; 5221.0; 04-JAN-2010 20:25:20; Bright; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;41035  
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21; 6069.3; 04-JAN-2010 20:39:28; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;41035  
22; 6187.8; 04-JAN-2010 20:41:27; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;41035  
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26; 6809.7; 04-JAN-2010 20:51:49; Dark ; 49.0; 46; Del Vel ; 1.95; 10600;occ; 98; 0;41035  
27; 6979.4; 04-JAN-2010 20:54:38; Dark ; 17.5; 34; Gam2Vel ; 1.79; 23000;occ; 35; 0;41035

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3; -225.3; 05-JAN-2010 01:36:57; Dark ; 47.5; 54; 5The Cen ; 2.06; 4500;occ; 95; 0;41038  
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5; 35.3; 05-JAN-2010 01:41:18; Dark ; 45.5; 77; Eps Cen ; 2.30; 28000;occ; 91; 0;41039  
6; 154.4; 05-JAN-2010 01:43:17; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;41039  
7; 264.0; 05-JAN-2010 01:45:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41039  
8; 527.3; 05-JAN-2010 01:49:30; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;41039  
9; 661.0; 05-JAN-2010 01:51:43; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;41039  
10; 775.3; 05-JAN-2010 01:53:38; Dark ; 45.5; 46; Del Vel ; 1.95; 10600;occ; 91; 0;41039  
11; 944.6; 05-JAN-2010 01:56:27; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;41039  
12; 1075.9; 05-JAN-2010 01:58:38; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;41039  
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16; 1588.6; 05-JAN-2010 02:07:11; Dark ; 45.5; 1; 9Alp CMA ; -1.44; 11000;occ; 91; 0;41039  
17; 2030.8; 05-JAN-2010 02:14:33; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;41039  
18; 2212.2; 05-JAN-2010 02:17:35; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;41039

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22; 3684.8; 05-JAN-2010 02:42:07; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;41039
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 3;-1448.5; 05-JAN-2010 02:57:10; Bright; 65.0; 83; ; 2.38; 11000;occ; 130; 0;41039
 4;-1126.7; 05-JAN-2010 03:02:32; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41039
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12; 528.3; 05-JAN-2010 03:30:07; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;41040
13; 661.7; 05-JAN-2010 03:32:20; Dark ; 48.0; 71; Iot Car ; 2.25; 7700;occ; 96; 0;41040
14; 775.9; 05-JAN-2010 03:34:14; Dark ; 45.0; 46; Del Vel ; 1.95; 10600;occ; 90; 0;41040
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 2;-1681.4; 05-JAN-2010 04:33:53; Bright; 42.0; 180; 27Gam Boo ; 3.04; 8000;occ; 84; 0;41040
 3;-1448.5; 05-JAN-2010 04:37:46; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;41040
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7; 289.4; 06-JAN-2010 23:01:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41066
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9; 674.5; 06-JAN-2010 23:08:07; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;41066
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16; 1592.1; 06-JAN-2010 23:23:25; Dark ; 47.0; 1; 9Alp CMa ; -1.44; 11000;occ; 94; 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  
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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  
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 7; -803.8; 06-JAN-2010 07:38:06; Dark ; 47.0; 104; 27Bet Lib ; 2.61; 13100;occ; 94; 0;41056  
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 12; 170.0; 06-JAN-2010 07:54:19; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41057  
 13; 280.9; 06-JAN-2010 07:56:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 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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 19; 1198.4; 06-JAN-2010 08:11:28; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;41057  
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 22; 1591.2; 06-JAN-2010 08:18:01; Dark ; 47.0; 1; 9Alp CMa ; -1.44; 11000;occ; 94; 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  
 10; 4354.8; 06-JAN-2010 09:04:04; Bright; 43.5; 180; 27Gam Boo ; 3.04; 8000;occ; 87; 0;41057  
 11; 4591.4; 06-JAN-2010 09:08:01; Bright; 66.0; 83; ; 2.38; 11000;occ; 132; 0;41057  
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 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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 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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 23; 6989.6; 06-JAN-2010 09:47:59; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;41057  
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 25; 7234.6; 06-JAN-2010 09:52:04; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 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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 3; 2207.4; 06-JAN-2010 10:08:53; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;41058



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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  
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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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22; 6821.3; 06-JAN-2010 11:25:47; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;41058  
23; 6990.2; 06-JAN-2010 11:28:35; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 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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 23; 6822.4; 06-JAN-2010 14:46:59; Dark ; 47.0; 46; Del Vel ; 1.95; 10600;occ; 94; 0;41060  
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 2; -2111.6; 07-JAN-2010 05:04:05; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;41069  
 3; -1948.3; 07-JAN-2010 05:06:48; Bright; 60.0; 39; 85Eta UMa ; 1.85; 24000;occ; 120; 0;41069  
 4; -1681.1; 07-JAN-2010 05:11:15; Bright; 43.5; 180; 27Gam Boo ; 3.04; 8000;occ; 87; 0;41069  
 5; -1441.7; 07-JAN-2010 05:15:15; Bright; 67.0; 83; ; 2.38; 11000;occ; 134; 0;41069  
 6; -1116.1; 07-JAN-2010 05:20:40; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;41069  
 7; -796.4; 07-JAN-2010 05:26:00; Dark ; 44.5; 104; 27Bet Lib ; 2.61; 13100;occ; 89; 0;41069  
 8; -623.5; 07-JAN-2010 05:28:53; Dark ; 48.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 97; 0;41069  
 9; -199.7; 07-JAN-2010 05:35:57; Dark ; 48.5; 54; 5The Cen ; 2.06; 4500;occ; 97; 0;41069  
 10; -44.9; 07-JAN-2010 05:38:31; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;41069  
 11; 54.3; 07-JAN-2010 05:40:11; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;41070  
 12; 216.9; 07-JAN-2010 05:42:53; Dark ; 41.0; 20; Bet Cru ; 1.25; 30000;occ; 82; 0;41070  
 13; 293.1; 07-JAN-2010 05:44:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41070  
 14; 554.0; 07-JAN-2010 05:48:30; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;41070  
 15; 676.7; 07-JAN-2010 05:50:33; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41070  
 16; 791.0; 07-JAN-2010 05:52:27; Dark ; 45.5; 46; Del Vel ; 1.95; 10600;occ; 91; 0;41070  
 17; 959.1; 07-JAN-2010 05:55:16; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;41070  
 18; 1089.7; 07-JAN-2010 05:57:26; Dark ; 44.0; 70; Zet Pup ; 2.25; 39000;occ; 88; 0;41070  
 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



/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20100107\_222638\_000052102085\_00445\_41080\_9287.N1

1;	81.9;	07-JAN-2010	22:26:38;	Dark	;	48.5;	10;	Bet Cen	;	0.61;	28000;occ;	97;	0;	41080
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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1;	-756.0;	07-JAN-2010	23:53:16;	Dark	;	47.0;	104;	27Bet Lib	;	2.61;	13100;occ;	94;	68;	41080
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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1;	2031.0;	07-JAN-2010	07:53:43;	Dark	;	48.0;	14;	58Alp Ori	;	0.87;	3000;occ;	96;	0;	41071
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

15; 5992.4; 07-JAN-2010 08:59:45; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;41071  
 16; 6091.7; 07-JAN-2010 09:01:24; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41071  
 17; 6254.2; 07-JAN-2010 09:04:06; Dark ; 39.5; 20; Bet Cru ; 1.25; 30000;occ; 79; 0;41071  
 18; 6330.9; 07-JAN-2010 09:05:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41071  
 19; 6591.8; 07-JAN-2010 09:09:44; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;41071  
 20; 6713.8; 07-JAN-2010 09:11:46; Dark ; 47.5; 71; Iot Car ; 2.25; 7700;occ; 95; 0;41071  
 21; 6827.7; 07-JAN-2010 09:13:40; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;41071  
 22; 6995.8; 07-JAN-2010 09:16:28; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;41071  
 23; 7126.9; 07-JAN-2010 09:18:39; Dark ; 44.5; 70; Zet Pup ; 2.25; 39000;occ; 89; 0;41071  
 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  
 27; 7629.0; 07-JAN-2010 09:27:01; Dark ; 47.5; 1; 9Alp CMA ; -1.44; 11000;occ; 95; 0;41071

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1; 2031.3; 07-JAN-2010 09:34:20; Dark ; 45.5; 14; 58Alp Ori ; 0.87; 3000;occ; 91; 0;41072  
 2; 2204.6; 07-JAN-2010 09:37:13; Dark ; 39.5; 44; 24Gam Gem ; 1.93; 11000;occ; 79; 0;41072  
 3; 2305.1; 07-JAN-2010 09:38:53; Bright; 56.0; 151; 13Mu Gem ; 2.89; 3000;occ; 112; 0;41072  
 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  
 10; 4595.1; 07-JAN-2010 10:17:03; Bright; 55.5; 83; ; 2.38; 11000;occ; 111; 0;41072  
 11; 4921.1; 07-JAN-2010 10:22:29; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;41072  
 12; 5241.3; 07-JAN-2010 10:27:50; Dark ; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;41072  
 13; 5415.0; 07-JAN-2010 10:30:43; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;41072  
 14; 5838.7; 07-JAN-2010 10:37:47; Dark ; 50.5; 54; 5The Cen ; 2.06; 4500;occ; 101; 0;41072  
 15; 5993.2; 07-JAN-2010 10:40:21; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;41072  
 16; 6092.3; 07-JAN-2010 10:42:01; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41072  
 17; 6254.8; 07-JAN-2010 10:44:43; Dark ; 40.0; 20; Bet Cru ; 1.25; 30000;occ; 80; 0;41072  
 18; 6331.8; 07-JAN-2010 10:46:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41072  
 19; 6592.5; 07-JAN-2010 10:50:21; Dark ; 53.0; 113; Mu Vel ; 2.69; 5000;occ; 106; 0;41072  
 20; 6714.2; 07-JAN-2010 10:52:22; Dark ; 48.5; 71; Iot Car ; 2.25; 7700;occ; 97; 0;41072  
 21; 6828.2; 07-JAN-2010 10:54:16; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41072  
 22; 6996.3; 07-JAN-2010 10:57:05; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;41072  
 23; 7127.3; 07-JAN-2010 10:59:16; Dark ; 42.0; 70; Zet Pup ; 2.25; 39000;occ; 84; 0;41072  
 24; 7239.5; 07-JAN-2010 11:01:08; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;41072  
 25; 7400.0; 07-JAN-2010 11:03:48; Dark ; 44.0; 23; 21Eps CMA ; 1.50; 26000;occ; 88; 0;41072  
 26; 7488.9; 07-JAN-2010 11:05:17; Dark ; 42.0; 179; 240mi2CMA ; 3.03; 24000;occ; 84; 0;41072  
 27; 7629.0; 07-JAN-2010 11:07:37; Dark ; 47.5; 1; 9Alp CMA ; -1.44; 11000;occ; 95; 0;41072

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1; 1600.6; 07-JAN-2010 11:07:45; Dark ; 48.0; 1; 9Alp CMA ; -1.44; 11000;occ; 96; 15;41073  
 2; 2031.2; 07-JAN-2010 11:14:55; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;41073  
 3; 2204.3; 07-JAN-2010 11:17:48; Dark ; 44.5; 44; 24Gam Gem ; 1.93; 11000;occ; 89; 0;41073  
 4; 2304.9; 07-JAN-2010 11:19:29; Bright; 55.5; 151; 13Mu Gem ; 2.89; 3000;occ; 111; 0;41073  
 5; 2549.1; 07-JAN-2010 11:23:33; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;41073  
 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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 21; 6314.6; 14-JAN-2010 08:45:00; Dark ; 41.0; 20; Bet Cru ; 1.25; 30000;occ; 82; 0;41171  
 22; 6425.0; 14-JAN-2010 08:46:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41171  
 23; 6563.4; 14-JAN-2010 08:49:09; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41171  
 24; 6650.3; 14-JAN-2010 08:50:35; Dark ; 38.5; 159; Ups Car ; 2.92; 7200;occ; 73; 0;41171  
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 13; 736.3; 16-JAN-2010 02:47:35; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;41197  
 14; 848.2; 16-JAN-2010 02:49:27; Dark ; 48.5; 46; Del Vel ; 1.95; 10600;occ; 97; 0;41197  
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4;	1241.1;	16-JAN-2010	19:42:00;	Dark	;	46.5;	117;	Pi Pup	;	2.71;	3800;occ;	93;	0;	41207
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7;	86.2;	16-JAN-2010	21:03:21;	Dark	;	40.5;	4;	Alp1Cen	;	-0.01;	5800;occ;	81;	0;	41208
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9;	422.6;	16-JAN-2010	21:08:57;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41208
10;	544.6;	16-JAN-2010	21:10:59;	Dark	;	39.0;	124;	The Car	;	2.76;	30000;occ;	78;	0;	41208
11;	628.9;	16-JAN-2010	21:12:23;	Dark	;	38.5;	159;	Ups Car	;	2.92;	7200;occ;	77;	0;	41208
12;	741.0;	16-JAN-2010	21:14:15;	Dark	;	40.5;	71;	Iot Car	;	2.25;	7700;occ;	81;	0;	41208
13;	852.5;	16-JAN-2010	21:16:07;	Dark	;	45.0;	46;	Del Vel	;	1.95;	10600;occ;	90;	0;	41208
14;	1014.8;	16-JAN-2010	21:18:49;	Dark	;	41.5;	34;	Gam2Vel	;	1.79;	23000;occ;	83;	0;	41208
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3; 2298.8; 27-JAN-2010 07:29:26; Bright; 44.5; 151; 13Mu Gem ; 2.89; 3000;occ; 89; 0;41357
4; 2406.3; 27-JAN-2010 07:31:14; Bright; 42.5; 17; 78Bet Gem ; 1.16; 4500;occ; 85; 0;41357
5; 2681.2; 27-JAN-2010 07:35:48; Bright; 35.5; 42; 34Bet Aur ; 1.90; 10200;occ; 71; 0;41357
6; 3427.1; 27-JAN-2010 07:48:14; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;41357
7; 3629.9; 27-JAN-2010 07:51:37; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;41357
8; 3907.0; 27-JAN-2010 07:56:14; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;41357
9; 4086.8; 27-JAN-2010 07:59:14; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;41357
10; 4477.9; 27-JAN-2010 08:05:45; Bright; 41.5; 133; 40Zet Her ; 2.81; 6000;occ; 83; 0;41357
11; 4683.1; 27-JAN-2010 08:09:10; Bright; 62.0; 127; 27Bet Her ; 2.78; 4700;occ; 124; 0;41357
12; 4778.9; 27-JAN-2010 08:10:46; Bright; 35.0; 59; 55Alp Oph ; 2.08; 8900;occ; 70; 0;41357
13; 4905.9; 27-JAN-2010 08:12:53; Bright; 35.0; 126; 60Bet Oph ; 2.77; 4250;occ; 70; 0;41357
14; 5191.2; 27-JAN-2010 08:17:38; Dark ; 54.0; 120; 1Del Oph ; 2.73; 3200;occ; 108; 0;41357
15; 5283.3; 27-JAN-2010 08:19:10; Dark ; 44.0; 86; 35Eta Oph ; 2.43; 10200;occ; 88; 0;41357
16; 5529.3; 27-JAN-2010 08:23:17; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;41357
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21; 6195.0; 27-JAN-2010 08:34:22; Dark ; 40.5; 4; Alp1Cen ; -0.01; 5800;occ; 81; 0;41357
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23; 6469.9; 27-JAN-2010 08:38:57; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;41357
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25; 6721.9; 27-JAN-2010 08:43:09; Dark ; 37.5; 159; Ups Car ; 2.92; 7200;occ; 75; 0;41357
26; 6836.6; 27-JAN-2010 08:45:04; Dark ; 38.0; 71; Iot Car ; 2.25; 7700;occ; 76; 0;41357
27; 6943.8; 27-JAN-2010 08:46:51; Dark ; 39.5; 46; Del Vel ; 1.95; 10600;occ; 79; 0;41357
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29; 7224.1; 27-JAN-2010 08:51:31; Dark ; 42.5; 70; Zet Pup ; 2.25; 39000;occ; 85; 0;41357
30; 7435.7; 27-JAN-2010 08:55:03; Dark ; 40.5; 88; 31Eta CMA ; 2.45; 20000;occ; 81; 0;41357
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3; 2299.0; 27-JAN-2010 09:10:02; Bright; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;41358
4; 2406.2; 27-JAN-2010 09:11:49; Bright; 41.5; 17; 78Bet Gem ; 1.16; 4500;occ; 83; 0;41358
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7; 3907.0; 27-JAN-2010 09:36:50; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;41358
8; 4086.7; 27-JAN-2010 09:39:50; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;41358
9; 4477.7; 27-JAN-2010 09:46:21; Bright; 59.0; 133; 40Zet Her ; 2.81; 6000;occ; 118; 0;41358
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11; 4779.3; 27-JAN-2010 09:51:22; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;41358
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26; 6944.1; 27-JAN-2010 10:27:27; Dark ; 45.5; 46; Del Vel ; 1.95; 10600;occ; 91; 0;41358
27; 7098.8; 27-JAN-2010 10:30:02; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41358
28; 7224.2; 27-JAN-2010 10:32:07; Dark ; 40.0; 70; Zet Pup ; 2.25; 39000;occ; 80; 0;41358
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6; 3427.4; 27-JAN-2010 11:09:26; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41359  
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9; 4086.6; 27-JAN-2010 11:20:26; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;41359  
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15; 5284.1; 27-JAN-2010 11:40:23; Dark ; 43.5; 86; 35Eta Oph ; 2.43; 10200;occ; 87; 0;41359  
16; 5530.5; 27-JAN-2010 11:44:30; Dark ; 55.0; 16; 21Alp Sco ; 1.02; 3000;occ; 110; 0;41359  
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19; 5996.0; 27-JAN-2010 11:52:15; Dark ; 44.0; 109; Bet Lup ; 2.68; 26000;occ; 88; 0;41359  
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23; 6470.8; 27-JAN-2010 12:00:10; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;41359  
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26; 6837.4; 27-JAN-2010 12:06:16; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;41359  
27; 6944.3; 27-JAN-2010 12:08:03; Dark ; 44.5; 46; Del Vel ; 1.95; 10600;occ; 89; 0;41359  
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6; 3629.1; 27-JAN-2010 12:53:24; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;41360  
7; 3906.7; 27-JAN-2010 12:58:02; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;41360  
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9; 4478.2; 27-JAN-2010 13:07:33; Bright; 41.5; 133; 40Zet Her ; 2.81; 6000;occ; 83; 0;41360  
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12; 4906.7; 27-JAN-2010 13:14:42; Bright; 35.0; 126; 60Bet Oph ; 2.77; 4250;occ; 70; 0;41360  
13; 5193.2; 27-JAN-2010 13:19:28; Dark ; 52.0; 120; 1Del Oph ; 2.73; 3200;occ; 104; 0;41360  
14; 5284.8; 27-JAN-2010 13:21:00; Dark ; 40.0; 86; 35Eta Oph ; 2.43; 10200;occ; 80; 0;41360  
15; 5530.7; 27-JAN-2010 13:25:06; Dark ; 47.5; 16; 21Alp Sco ; 1.02; 3000;occ; 95; 0;41360  
16; 5611.3; 27-JAN-2010 13:26:26; Dark ; 41.5; 75; 26Eps Sco ; 2.29; 4250;occ; 83; 0;41360  
17; 5870.6; 27-JAN-2010 13:30:45; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41360  
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21; 6297.2; 27-JAN-2010 13:37:52; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41360  
22; 6471.6; 27-JAN-2010 13:40:46; Dark ; 39.0; 12; Alp1Cru ; 0.77; 30000;occ; 78; 0;41360  
23; 6594.8; 27-JAN-2010 13:42:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41360  
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 12; 4780.1; 27-JAN-2010 14:53:11; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;41361  
 13; 4907.0; 27-JAN-2010 14:55:18; Bright; 34.5; 126; 60Bet Oph ; 2.77; 4250;occ; 69; 0;41361  
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 17; 5611.7; 27-JAN-2010 15:07:02; Dark ; 45.0; 75; 26Eps Sco ; 2.29; 4250;occ; 90; 0;41361  
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 19; 5997.9; 27-JAN-2010 15:13:29; Dark ; 43.5; 109; Bet Lup ; 2.68; 26000;occ; 87; 0;41361  
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 22; 6298.0; 27-JAN-2010 15:18:29; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;41361  
 23; 6472.1; 27-JAN-2010 15:21:23; Dark ; 38.5; 12; Alp1Cru ; 0.77; 30000;occ; 77; 0;41361  
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 27; 6945.1; 27-JAN-2010 15:29:16; Dark ; 40.0; 46; Del Vel ; 1.95; 10600;occ; 80; 0;41361  
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3; 1409.2; 30-JAN-2010 20:45:08; Dark ; 40.5; 88; 31Eta CMa ; 2.45; 20000;occ; 81; 0;41408
4; 1992.8; 30-JAN-2010 20:54:52; Dark ; 47.0; 8; 10Alp CMi ; 0.40; 6500;occ; 94; 0;41408
5; 2339.7; 30-JAN-2010 21:00:39; Bright; 37.0; 170; 27Eps Gem ; 3.00; 9700;occ; 74; 0;41408
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 9; 3899.4; 30-JAN-2010 21:26:39; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;41408  
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 12; 4484.8; 30-JAN-2010 21:36:24; Bright; 61.0; 133; 40Zet Her ; 2.81; 6000;occ; 122; 0;41408  
 13; 4792.7; 30-JAN-2010 21:41:32; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;41408  
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 19; 3427.6; 30-JAN-2010 22:59:23; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;41409  
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 22; 4087.2; 30-JAN-2010 23:10:22; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;41409  
 23; 4302.7; 30-JAN-2010 23:13:58; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;41409  
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 13; 924.1; 30-JAN-2010 23:58:15; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;41410  
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 21; 3617.0; 31-JAN-2010 00:43:08; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41410  
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 23; 4087.0; 31-JAN-2010 00:50:58; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;41410  
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 3; -1949.0; 30-JAN-2010 06:24:23; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;41399  
 4; -1734.8; 30-JAN-2010 06:27:57; Bright; 33.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 67; 0;41399



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7; -1118.1; 30-JAN-2010 06:38:14; Bright; 36.5; 126; 60Bet Oph ; 2.77; 4250;occ; 73; 0;41399  
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11; -136.0; 30-JAN-2010 06:54:36; Dark ; 44.0; 131; Gam Lup ; 2.80; 26000;occ; 88; 0;41399  
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 6; 3900.4; 30-JAN-2010 11:23:04; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;41402
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 9; 4484.1; 30-JAN-2010 11:32:48; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;41402
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12; 5303.2; 30-JAN-2010 11:46:27; Dark ; 42.5; 86; 35Eta Oph ; 2.43; 10200;occ; 85; 0;41402
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22; 6333.6; 30-JAN-2010 20:26:37; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41407
23; 6497.0; 30-JAN-2010 20:29:20; Dark ; 48.5; 12; Alp1Cru ; 0.77; 30000;occ; 97; 0;41407
24; 6613.9; 30-JAN-2010 20:31:17; Dark ; 46.5; 99; Del Cen ; 2.58; 26000;occ; 93; 0;41407
25; 6738.9; 30-JAN-2010 20:33:22; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41407
26; 6854.0; 30-JAN-2010 20:35:17; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;41407
27; 6959.3; 30-JAN-2010 20:37:03; Dark ; 47.5; 46; Del Vel ; 1.95; 10600;occ; 95; 0;41407
28; 7111.5; 30-JAN-2010 20:39:35; Dark ; 24.0; 34; Gam2Vel ; 1.79; 23000;occ; 48; 0;41407

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