

GOMOS Daily Report 12-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	15JAN2010 04:53:06
Data source version	GOMOS/5.00L04
Start time of products	12JAN2010 00:00:22
Stop time of products	12JAN2010 23:52:56
Store outputs in DB	Yes
Nb of level 1b prods	171
Nb of prods with errors	2

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

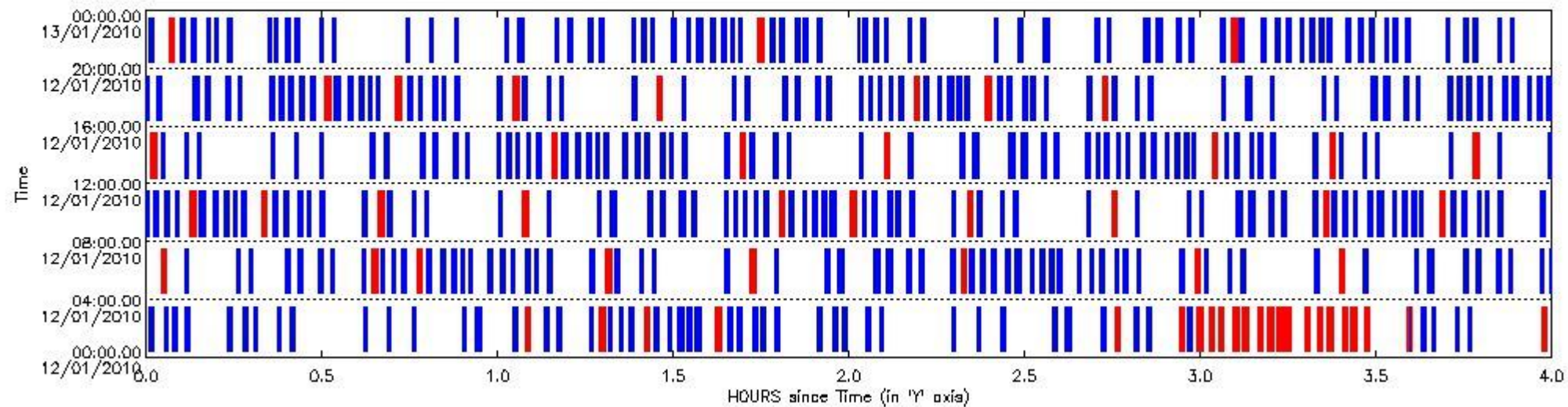
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
12-JAN-2010 01:04:43	1DelOph	120	41138
12-JAN-2010 01:17:21	BetLup	109	41138
12-JAN-2010 01:24:59	BetCru	20	41139
12-JAN-2010 01:37:09	Gam2Vel	34	41139
12-JAN-2010 02:45:19	1DelOph	120	41139
12-JAN-2010 02:56:19	GamLup	131	41139
12-JAN-2010 02:59:29	AlpLup	78	41139
12-JAN-2010 03:01:23	ZetCen	95	41140
12-JAN-2010 03:03:07	BetCen	10	41140
12-JAN-2010 03:05:36	BetCru	20	41140
12-JAN-2010 03:07:16	DSA1053	0	41140
12-JAN-2010 03:09:48	TheCar	124	41140
12-JAN-2010 03:11:29	MuVel	113	41140
12-JAN-2010 03:13:07	IotCar	71	41140
12-JAN-2010 03:14:27	EpsCar	41	41140

12-JAN-2010 03:17:46	Gam2Vel	34	41140
12-JAN-2010 03:19:55	ZetPup	70	41140
12-JAN-2010 03:21:40	PiPup	117	41140
12-JAN-2010 03:24:16	21EpsCMa	23	41140
12-JAN-2010 03:25:43	24Omi2CMa	179	41140
12-JAN-2010 03:27:59	9AlpCMa	1	41140
12-JAN-2010 03:35:11	58AlpOri	14	41140
12-JAN-2010 03:58:21	1AlpUMi	49	41140
12-JAN-2010 04:02:28	7BetUMi	60	41140
12-JAN-2010 04:38:34	BetLup	109	41140
12-JAN-2010 04:46:12	BetCru	20	41141
12-JAN-2010 05:18:26	24GamGem	44	41141
12-JAN-2010 05:43:03	7BetUMi	60	41141
12-JAN-2010 06:19:11	BetLup	109	41141
12-JAN-2010 06:59:02	24GamGem	44	41142
12-JAN-2010 07:23:39	7BetUMi	60	41142
12-JAN-2010 08:07:25	BetCru	20	41143
12-JAN-2010 08:19:35	Gam2Vel	34	41143
12-JAN-2010 08:39:38	24GamGem	44	41143
12-JAN-2010 09:04:15	7BetUMi	60	41143
12-JAN-2010 09:48:02	BetCru	20	41144
12-JAN-2010 10:00:11	Gam2Vel	34	41144
12-JAN-2010 10:20:13	24GamGem	44	41144
12-JAN-2010 10:44:51	7BetUMi	60	41144
12-JAN-2010 11:21:01	BetLup	109	41144
12-JAN-2010 11:40:47	Gam2Vel	34	41145
12-JAN-2010 12:00:49	24GamGem	44	41145
12-JAN-2010 13:09:15	BetCru	20	41146
12-JAN-2010 13:41:25	24GamGem	44	41146
12-JAN-2010 14:06:02	7BetUMi	60	41146
12-JAN-2010 15:02:00	Gam2Vel	34	41147
12-JAN-2010 15:22:01	24GamGem	44	41147
12-JAN-2010 15:46:38	7BetUMi	60	41147
12-JAN-2010 16:30:28	BetCru	20	41148
12-JAN-2010 16:42:36	Gam2Vel	34	41148
12-JAN-2010 17:02:37	24GamGem	44	41148
12-JAN-2010 17:27:14	7BetUMi	60	41148
12-JAN-2010 18:11:05	BetCru	20	41149
12-JAN-2010 18:23:13	Gam2Vel	34	41149
12-JAN-2010 18:43:12	24GamGem	44	41149
12-JAN-2010 20:03:49	Gam2Vel	34	41150
12-JAN-2010 21:44:25	Gam2Vel	34	41151
12-JAN-2010 23:05:16	BetLup	109	41151

2.4 Summary of processed GOM_TRA_1P products

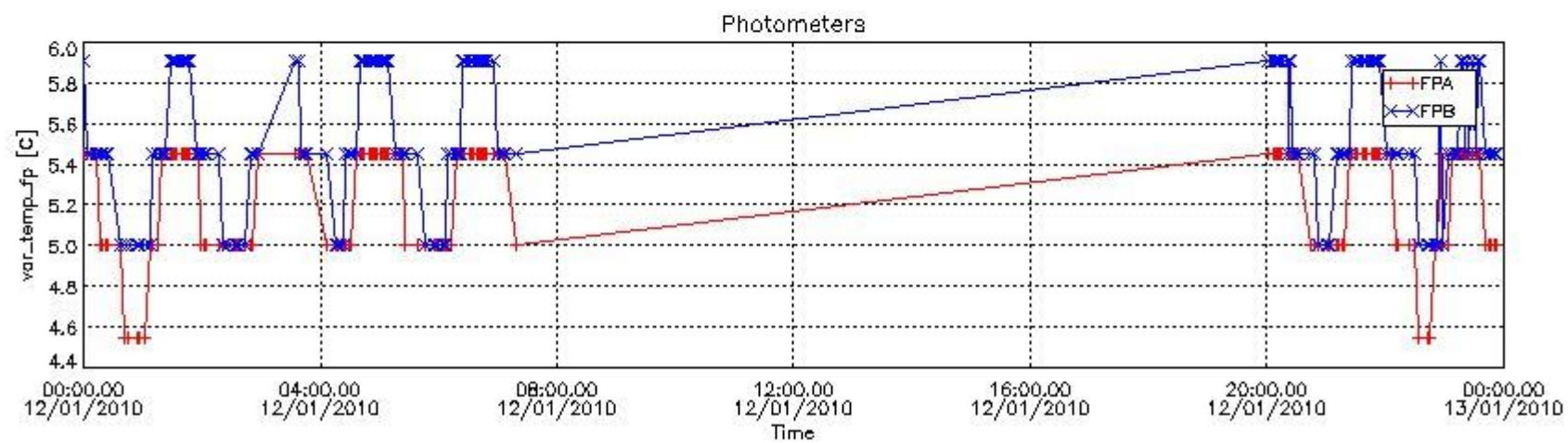
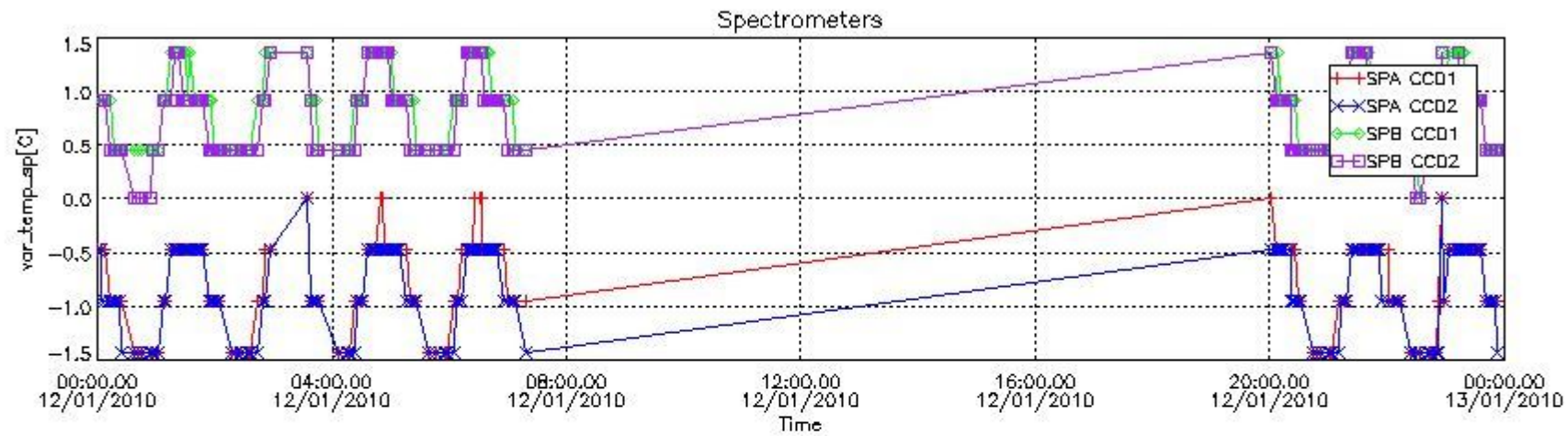
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100112_000022_000000462086_00002_41138_3975.N1	12-JAN-2010 00:00:22	Straylight	45.500	117	Pi Pup	2.7060	3800.0	91	41138	No
2	GOM_TRA_1PNPDE20100112_000258_000000432086_00002_41138_3976.N1	12-JAN-2010 00:02:58	Straylight	42.500	23	21Eps CMa	1.5020	26000.	85	41138	No
3	GOM_TRA_1PNPDE20100112_000425_000000422086_00002_41138_3977.N1	12-JAN-2010 00:04:25	Straylight	42.000	179	24Omi2CMa	3.0320	24000.	84	41138	No
4	GOM_TRA_1PNPDE20100112_000641_000000442086_00002_41138_3978.N1	12-JAN-2010 00:06:41	Straylight	43.500	1	9Alp CMa	-1.4400	11000.	87	41138	No
5	GOM_TRA_1PNPDE20100112_001353_000000522086_00002_41138_3979.N1	12-JAN-2010 00:13:53	Twilight	52.000	14	58Alp Ori	0.87000	3000.0	104	41138	No
6	GOM_TRA_1PNPDE20100112_001633_000000452086_00002_41138_3980.N1	12-JAN-2010 00:16:33	Twilight	45.000	44	24Gam Gem	1.9280	11000.	90	41138	No
7	GOM_TRA_1PNPDE20100112_001815_000000452086_00002_41138_3981.N1	12-JAN-2010 00:18:15	Bright	45.000	151	13Mu Gem	2.8900	3000.0	90	41138	No
8	GOM_TRA_1PNPDE20100112_002222_000000362086_00002_41138_3982.N1	12-JAN-2010 00:22:22	Bright	35.500	107	37The Aur	2.6490	11000.	71	41138	No
9	GOM_TRA_1PNPDE20100112_002434_000000412086_00002_41138_3983.N1	12-JAN-2010 00:24:34	Bright	40.500	42	34Bet Aur	1.9000	10200.	81	41138	No
10	GOM_TRA_1PNPDE20100112_003704_000000342086_00002_41138_3984.N1	12-JAN-2010 00:37:04	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	41138	No
11	GOM_TRA_1PNPDE20100112_004111_000000352086_00002_41138_3985.N1	12-JAN-2010 00:41:11	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	41138	No

12	GOM_TRA_1PNPDE20100112_004524_000000382086_00002_41138_3986.N1	12-JAN-2010 00:45:24	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	41138	No
13	GOM_TRA_1PNPDE20100112_005406_000000342086_00002_41138_3987.N1	12-JAN-2010 00:54:06	Bright	34.000	133	40Zet Her	2.8070	6000.0	68	41138	No
14	GOM_TRA_1PNPDE20100112_005616_000000602086_00002_41138_3988.N1	12-JAN-2010 00:56:16	Bright	60.000	67	5Alp CrB	2.2210	11000.	120	41138	No
15	GOM_TRA_1PNPDE20100112_010227_000000592086_00002_41138_3989.N1	12-JAN-2010 01:02:27	Bright	59.000	102	24Alp Ser	2.6000	4250.0	118	41138	No
16	GOM_TRA_1PNPDE20100112_010802_000000472086_00002_41138_3990.N1	12-JAN-2010 01:08:02	Twi_and_stray	47.000	104	27Bet Lib	2.6140	13100.	94	41138	No
17	GOM_TRA_1PNPDE20100112_011009_000000432086_00002_41138_3988.N1	12-JAN-2010 01:10:09	Twi_and_stray	43.000	80	7Del Sco	2.3160	30000.	86	41138	No
18	GOM_TRA_1PNPDE20100112_011537_000000402086_00002_41138_3989.N1	12-JAN-2010 01:15:37	Dark	39.500	131	Gam Lup	2.8000	26000.	79	41138	No
19	GOM_TRA_1PNPDE20100112_011847_000000452086_00002_41138_3990.N1	12-JAN-2010 01:18:47	Dark	44.500	78	Alp Lup	2.3040	28000.	89	41138	No
20	GOM_TRA_1PNPDE20100112_012041_000000402086_00003_41139_3991.N1	12-JAN-2010 01:20:41	Dark	39.500	95	Zet Cen	2.5450	26000.	79	41139	No
21	GOM_TRA_1PNPDE20100112_012225_000000482086_00003_41139_3992.N1	12-JAN-2010 01:22:25	Dark	48.000	10	Bet Cen	0.61000	28000.	96	41139	No
22	GOM_TRA_1PNPDE20100112_012906_000000392086_00003_41139_3993.N1	12-JAN-2010 01:29:06	Dark	38.500	124	The Car	2.7640	30000.	77	41139	No
23	GOM_TRA_1PNPDE20100112_013047_000000542086_00003_41139_3994.N1	12-JAN-2010 01:30:47	Dark	53.500	113	Mu Vel	2.6920	5000.0	107	41139	No
24	GOM_TRA_1PNPDE20100112_013225_000000412086_00003_41139_3995.N1	12-JAN-2010 01:32:25	Dark	40.500	71	lot Car	2.2460	7700.0	81	41139	No
25	GOM_TRA_1PNPDE20100112_013345_000000542086_00003_41139_3996.N1	12-JAN-2010 01:33:45	Dark	54.000	41	Eps Car	1.8600	4100.0	108	41139	No
26	GOM_TRA_1PNPDE20100112_013913_000000462086_00003_41139_3997.N1	12-JAN-2010 01:39:13	Dark	46.000	70	Zet Pup	2.2460	39000.	92	41139	No
27	GOM_TRA_1PNPDE20100112_014059_000000452086_00003_41139_3998.N1	12-JAN-2010 01:40:59	Straylight	45.000	117	Pi Pup	2.7060	3800.0	90	41139	No
28	GOM_TRA_1PNPDE20100112_014335_000000442086_00003_41139_3999.N1	12-JAN-2010 01:43:35	Straylight	43.500	23	21Eps CMa	1.5020	26000.	87	41139	No
29	GOM_TRA_1PNPDE20100112_014501_000000422086_00003_41139_4000.N1	12-JAN-2010 01:45:01	Straylight	42.000	179	24Omi2CMa	3.0320	24000.	84	41139	No
30	GOM_TRA_1PNPDE20100112_014717_000000452086_00003_41139_4001.N1	12-JAN-2010 01:47:17	Straylight	44.500	1	9Alp CMa	-1.4400	11000.	89	41139	No
31	GOM_TRA_1PNPDE20100112_015429_000000522086_00003_41139_4002.N1	12-JAN-2010 01:54:29	Twi_and_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	41139	No
32	GOM_TRA_1PNPDE20100112_015709_000000462086_00003_41139_4003.N1	12-JAN-2010 01:57:09	Twi_and_stray	45.500	44	24Gam Gem	1.9280	11000.	91	41139	No
33	GOM_TRA_1PNPDE20100112_015851_000000452086_00003_41139_4004.N1	12-JAN-2010 01:58:51	Bright	44.500	151	13Mu Gem	2.8900	3000.0	89	41139	No
34	GOM_TRA_1PNPDE20100112_020258_000000372086_00003_41139_4005.N1	12-JAN-2010 02:02:58	Bright	36.500	107	37The Aur	2.6490	11000.	73	41139	No
35	GOM_TRA_1PNPDE20100112_020510_000000382086_00003_41139_4006.N1	12-JAN-2010 02:05:10	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	41139	No
36	GOM_TRA_1PNPDE20100112_021740_000000352086_00003_41139_4007.N1	12-JAN-2010 02:17:40	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	41139	No
37	GOM_TRA_1PNPDE20100112_022146_000000422086_00003_41139_4008.N1	12-JAN-2010 02:21:46	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41139	No
38	GOM_TRA_1PNPDE20100112_022559_000000382086_00003_41139_4009.N1	12-JAN-2010 02:25:59	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	41139	No
39	GOM_TRA_1PNPDE20100112_023442_000000532086_00003_41139_4010.N1	12-JAN-2010 02:34:42	Bright	53.000	133	40Zet Her	2.8070	6000.0	106	41139	No
40	GOM_TRA_1PNPDE20100112_023652_000000602086_00003_41139_4011.N1	12-JAN-2010 02:36:52	Bright	60.000	67	5Alp CrB	2.2210	11000.	120	41139	No
41	GOM_TRA_1PNPDE20100112_024304_000000442086_00003_41139_4012.N1	12-JAN-2010 02:43:04	Bright	43.500	102	24Alp Ser	2.6000	4250.0	87	41139	No
42	GOM_TRA_1PNPDE20100112_024839_000000482086_00003_41139_4013.N1	12-JAN-2010 02:48:39	Twi_and_stray	47.500	104	27Bet Lib	2.6140	13100.	95	41139	No
43	GOM_TRA_1PNPDE20100112_025046_000000442086_00003_41139_4014.N1	12-JAN-2010 02:50:46	Twi_and_stray	44.000	80	7Del Sco	2.3160	30000.	88	41139	No
44	GOM_TRA_1PNPDE20100112_025752_000000402086_00003_41139_4015.N1	12-JAN-2010 02:57:52	Dark	39.500	109	Bet Lup	2.6770	26000.	79	41139	No
45	GOM_TRA_1PNPDE20100112_033506_000000462086_00004_41140_4078.N1	12-JAN-2010 03:35:06	Twi_and_stray	45.500	14	58Alp Ori	0.87000	3000.0	91	41140	Yes
46	GOM_TRA_1PNPDE20100112_033745_000000452086_00004_41140_4079.N1	12-JAN-2010 03:37:45	Twi_and_stray	44.500	44	24Gam Gem	1.9280	11000.	89	41140	No
47	GOM_TRA_1PNPDE20100112_033927_000000452086_00004_41140_4080.N1	12-JAN-2010 03:39:27	Bright	45.000	151	13Mu Gem	2.8900	3000.0	90	41140	No
48	GOM_TRA_1PNPDE20100112_034334_000000362086_00004_41140_4081.N1	12-JAN-2010 03:43:34	Bright	35.500	107	37The Aur	2.6490	11000.	71	41140	No
49	GOM_TRA_1PNPDE20100112_034546_000000362086_00004_41140_4082.N1	12-JAN-2010 03:45:46	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	41140	No
50	GOM_TRA_1PNPDE20100112_040635_000000372086_00004_41140_4011.N1	12-JAN-2010 04:06:35	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	41140	No
51	GOM_TRA_1PNPDE20100112_041518_000000352086_00004_41140_4012.N1	12-JAN-2010 04:15:18	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	41140	No
52	GOM_TRA_1PNPDE20100112_041729_000000402086_00004_41140_4013.N1	12-JAN-2010 04:17:29	Bright	39.500	67	5Alp CrB	2.2210	11000.	79	41140	No
53	GOM_TRA_1PNPDE20100112_042340_000000592086_00004_41140_4014.N1	12-JAN-2010 04:23:40	Bright	59.000	102	24Alp Ser	2.6000	4250.0	118	41140	No
54	GOM_TRA_1PNPDE20100112_042550_000000552086_00004_41140_4015.N1	12-JAN-2010 04:25:50	Bright	55.000	120	1Del Oph	2.7340	3200.0	110	41140	No
55	GOM_TRA_1PNPDE20100112_042915_000000482086_00004_41140_4016.N1	12-JAN-2010 04:29:15	Twi_and_stray	47.500	104	27Bet Lib	2.6140	13100.	95	41140	No
56	GOM_TRA_1PNPDE20100112_043122_000000432086_00004_41140_4017.N1	12-JAN-2010 04:31:22	Twi_and_stray	43.000	80	7Del Sco	2.3160	30000.	86	41140	No
57	GOM_TRA_1PNPDE20100112_043650_000000382086_00004_41140_4018.N1	12-JAN-2010 04:36:50	Dark	38.000	131	Gam Lup	2.8000	26000.	76	41140	No
58	GOM_TRA_1PNPDE20100112_044000_000000412086_00004_41140_4019.N1	12-JAN-2010 04:40:00	Dark	41.000	78	Alp Lup	2.3040	28000.	82	41140	No
59	GOM_TRA_1PNPDE20100112_044155_000000402086_00005_41141_4020.N1	12-JAN-2010 04:41:55	Dark	40.000	95	Zet Cen	2.5450	26000.	80	41141	No
60	GOM_TRA_1PNPDE20100112_044338_000000492086_00005_41141_4021.N1	12-JAN-2010 04:43:38	Dark	48.500	10	Bet Cen	0.61000	28000.	97	41141	No
61	GOM_TRA_1PNPDE20100112_045019_000000382086_00005_41141_4022.N1	12-JAN-2010 04:50:19	Dark	38.000	124	The Car	2.7640	30000.	76	41141	No
62	GOM_TRA_1PNPDE20100112_045201_000000502086_00005_41141_4023.N1	12-JAN-2010 04:52:01	Dark	49.500	113	Mu Vel	2.6920	5000.0	99	41141	No
63	GOM_TRA_1PNPDE20100112_045338_000000412086_00005_41141_4024.N1	12-JAN-2010 04:53:38	Dark	40.500	71	lot Car	2.2460	7700.0	81	41141	No
64	GOM_TRA_1PNPDE20100112_045458_000000442086_00005_41141_4025.N1	12-JAN-2010 04:54:58	Dark	43.500	41	Eps Car	1.8600	4100.0	87	41141	No
65	GOM_TRA_1PNPDE20100112_045816_000000432086_00005_41141_4026.N1	12-JAN-2010 04:58:16	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	41141	No
66	GOM_TRA_1PNPDE20100112_050026_000000442086_00005_41141_4027.N1	12-JAN-2010 05:00:26	Dark	44.000	70	Zet Pup	2.2460	39000.	88	41141	No
67	GOM_TRA_1PNPDE20100112_050211_000000412086_00005_41141_4028.N1	12-JAN-2010 05:02:11	Straylight	41.000	117	Pi Pup	2.7060	3800.0	82	41141	No
68	GOM_TRA_1PNPDE20100112_050447_000000452086_00005_41141_4029.N1	12-JAN-2010 05:04:47	Straylight	44.500	23	21Eps CMa	1.5020	26000.	89	41141	No
69	GOM_TRA_1PNPDE20100112_050613_000000412086_00005_41141_4030.N1	12-JAN-2010 05:06:13	Straylight	41.000	179	24Omi2CMa	3.0320	24000.	82	41141	No
70	GOM_TRA_1PNPDE20100112_050829_000000472086_00005_41141_4031.N1	12-JAN-2010 05:08:29	Straylight	46.500	1	9Alp CMa	-1.4400	11000.	93	41141	No

71	GOM_TRA_1PNPDE20100112_051542_000000462086_00005_41141_4032.N1	12-JAN-2010 05:15:42	Twilight	45.500	14	58Alp Ori	0.87000	3000.0	91	41141	No
72	GOM_TRA_1PNPDE20100112_052002_000000532086_00005_41141_4033.N1	12-JAN-2010 05:20:02	Bright	52.500	151	13Mu Gem	2.8900	3000.0	105	41141	No
73	GOM_TRA_1PNPDE20100112_052410_000000382086_00005_41141_4034.N1	12-JAN-2010 05:24:10	Bright	37.500	107	37The Aur	2.6490	11000.	75	41141	No
74	GOM_TRA_1PNPDE20100112_052622_000000392086_00005_41141_4035.N1	12-JAN-2010 05:26:22	Bright	39.000	42	34Bet Aur	1.9000	10200.	78	41141	No
75	GOM_TRA_1PNPDE20100112_053852_000000372086_00005_41141_4036.N1	12-JAN-2010 05:38:52	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	41141	No
76	GOM_TRA_1PNPDE20100112_054711_000000422086_00005_41141_4034.N1	12-JAN-2010 05:47:11	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	41141	No
77	GOM_TRA_1PNPDE20100112_055554_000000532086_00005_41141_4035.N1	12-JAN-2010 05:55:54	Bright	53.000	133	40Zet Her	2.8070	6000.0	106	41141	No
78	GOM_TRA_1PNPDE20100112_055805_000000612086_00005_41141_4036.N1	12-JAN-2010 05:58:05	Bright	61.000	67	5Alp CrB	2.2210	11000.	122	41141	No
79	GOM_TRA_1PNPDE20100112_060416_000000592086_00005_41141_4037.N1	12-JAN-2010 06:04:16	Bright	59.000	102	24Alp Ser	2.6000	4250.0	118	41141	No
80	GOM_TRA_1PNPDE20100112_060627_000000552086_00005_41141_4038.N1	12-JAN-2010 06:06:27	Bright	55.000	120	1Del Oph	2.7340	3200.0	110	41141	No
81	GOM_TRA_1PNPDE20100112_060952_000000482086_00005_41141_4039.N1	12-JAN-2010 06:09:52	Twilight	47.500	104	27Bet Lib	2.6140	13100.	95	41141	No
82	GOM_TRA_1PNPDE20100112_061159_000000412086_00005_41141_4040.N1	12-JAN-2010 06:11:59	Twilight	40.500	80	7Del Sco	2.3160	30000.	81	41141	No
83	GOM_TRA_1PNPDE20100112_061727_000000412086_00005_41141_4041.N1	12-JAN-2010 06:17:27	Dark	41.000	131	Gam Lup	2.8000	26000.	82	41141	No
84	GOM_TRA_1PNPDE20100112_062036_000000422086_00005_41141_4042.N1	12-JAN-2010 06:20:36	Dark	41.500	78	Alp Lup	2.3040	28000.	83	41141	No
85	GOM_TRA_1PNPDE20100112_062231_000000442086_00006_41142_4043.N1	12-JAN-2010 06:22:31	Dark	44.000	95	Zet Cen	2.5450	26000.	88	41142	No
86	GOM_TRA_1PNPDE20100112_062415_000000472086_00006_41142_4044.N1	12-JAN-2010 06:24:15	Dark	47.000	10	Bet Cen	0.61000	28000.	94	41142	No
87	GOM_TRA_1PNPDE20100112_062644_000000492086_00006_41142_4045.N1	12-JAN-2010 06:26:44	Dark	49.000	20	Bet Cru	1.2530	30000.	98	41142	No
88	GOM_TRA_1PNPDE20100112_063056_000000402086_00006_41142_4046.N1	12-JAN-2010 06:30:56	Dark	39.500	124	The Car	2.7640	30000.	79	41142	No
89	GOM_TRA_1PNPDE20100112_063237_000000472086_00006_41142_4047.N1	12-JAN-2010 06:32:37	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	41142	No
90	GOM_TRA_1PNPDE20100112_063415_000000472086_00006_41142_4048.N1	12-JAN-2010 06:34:15	Dark	46.500	71	lot Car	2.2460	7700.0	93	41142	No
91	GOM_TRA_1PNPDE20100112_063534_000000502086_00006_41142_4049.N1	12-JAN-2010 06:35:34	Dark	49.500	41	Eps Car	1.8600	4100.0	99	41142	No
92	GOM_TRA_1PNPDE20100112_063853_000000472086_00006_41142_4050.N1	12-JAN-2010 06:38:53	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	41142	No
93	GOM_TRA_1PNPDE20100112_064102_000000462086_00006_41142_4051.N1	12-JAN-2010 06:41:02	Dark	45.500	70	Zet Pup	2.2460	39000.	91	41142	No
94	GOM_TRA_1PNPDE20100112_064247_000000462086_00006_41142_4052.N1	12-JAN-2010 06:42:47	Straylight	45.500	117	Pi Pup	2.7060	3800.0	91	41142	No
95	GOM_TRA_1PNPDE20100112_064523_000000432086_00006_41142_4053.N1	12-JAN-2010 06:45:23	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	41142	No
96	GOM_TRA_1PNPDE20100112_064650_000000402086_00006_41142_4054.N1	12-JAN-2010 06:46:50	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	41142	No
97	GOM_TRA_1PNPDE20100112_064905_000000472086_00006_41142_4055.N1	12-JAN-2010 06:49:05	Straylight	46.500	1	9Alp CMa	-1.4400	11000.	93	41142	No
98	GOM_TRA_1PNPDE20100112_065618_000000512086_00006_41142_4056.N1	12-JAN-2010 06:56:18	Twilight	51.000	14	58Alp Ori	0.87000	3000.0	102	41142	No
99	GOM_TRA_1PNPDE20100112_070039_000000412086_00006_41142_4057.N1	12-JAN-2010 07:00:39	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	41142	No
100	GOM_TRA_1PNPDE20100112_070446_000000362086_00006_41142_4058.N1	12-JAN-2010 07:04:46	Bright	36.000	107	37The Aur	2.6490	11000.	72	41142	No
101	GOM_TRA_1PNPDE20100112_070657_000000372086_00006_41142_4059.N1	12-JAN-2010 07:06:57	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41142	No
102	GOM_TRA_1PNPDE20100112_071928_000000522086_00006_41142_4060.N1	12-JAN-2010 07:19:28	Bright	51.500	49	1Alp UMi	1.9900	6300.0	103	41142	No
103	GOM_TRA_1PNPDE20100112_200025_000000432086_00014_41150_4117.N1	12-JAN-2010 20:00:25	Dark	43.000	41	Eps Car	1.8600	4100.0	86	41150	No
104	GOM_TRA_1PNPDE20100112_200553_000000452086_00014_41150_4118.N1	12-JAN-2010 20:05:53	Dark	44.500	70	Zet Pup	2.2460	39000.	89	41150	No
105	GOM_TRA_1PNPDE20100112_200737_000000442086_00014_41150_4119.N1	12-JAN-2010 20:07:37	Straylight	44.000	117	Pi Pup	2.7060	3800.0	88	41150	No
106	GOM_TRA_1PNPDE20100112_201012_000000432086_00014_41150_4120.N1	12-JAN-2010 20:10:12	Straylight	42.500	23	21Eps CMa	1.5020	26000.	85	41150	No
107	GOM_TRA_1PNPDE20100112_201138_000000422086_00014_41150_4121.N1	12-JAN-2010 20:11:38	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	41150	No
108	GOM_TRA_1PNPDE20100112_201354_000000432086_00014_41150_4122.N1	12-JAN-2010 20:13:54	Straylight	42.500	1	9Alp CMa	-1.4400	11000.	85	41150	No
109	GOM_TRA_1PNPDE20100112_202054_000000252086_00014_41150_4123.N1	12-JAN-2010 20:20:54	Twilight	25.000	8	10Alp CMi	0.40000	6500.0	50	41150	No
110	GOM_TRA_1PNPDE20100112_202144_000000462086_00014_41150_4124.N1	12-JAN-2010 20:21:44	Twilight	45.500	153	3Bet CMi	2.8940	13100.	91	41150	No
111	GOM_TRA_1PNPDE20100112_202343_000000472086_00014_41150_4125.N1	12-JAN-2010 20:23:43	Bright	47.000	44	24Gam Gem	1.9280	11000.	94	41150	No
112	GOM_TRA_1PNPDE20100112_202525_000000452086_00014_41150_4126.N1	12-JAN-2010 20:25:25	Bright	45.000	151	13Mu Gem	2.8900	3000.0	90	41150	No
113	GOM_TRA_1PNPDE20100112_202933_000000362086_00014_41150_4127.N1	12-JAN-2010 20:29:33	Bright	35.500	107	37The Aur	2.6490	11000.	71	41150	No
114	GOM_TRA_1PNPDE20100112_203144_000000392086_00014_41150_4128.N1	12-JAN-2010 20:31:44	Bright	38.500	42	34Bet Aur	1.9000	10200.	77	41150	No
115	GOM_TRA_1PNPDE20100112_204415_000000352086_00014_41150_4129.N1	12-JAN-2010 20:44:15	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	41150	No
116	GOM_TRA_1PNPDE20100112_204820_000000402086_00014_41150_4130.N1	12-JAN-2010 20:48:20	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	41150	No
117	GOM_TRA_1PNPDE20100112_205234_000000402086_00014_41150_4131.N1	12-JAN-2010 20:52:34	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	41150	No
118	GOM_TRA_1PNPDE20100112_210119_000000342086_00014_41150_4132.N1	12-JAN-2010 21:01:19	Bright	34.000	133	40Zet Her	2.8070	6000.0	68	41150	No
119	GOM_TRA_1PNPDE20100112_210330_000000612086_00014_41150_4133.N1	12-JAN-2010 21:03:30	Bright	61.000	67	5Alp CrB	2.2210	11000.	122	41150	No
120	GOM_TRA_1PNPDE20100112_210944_000000402086_00014_41150_4134.N1	12-JAN-2010 21:09:44	Bright	39.500	102	24Alp Ser	2.6000	4250.0	79	41150	No
121	GOM_TRA_1PNPDE20100112_211154_000000552086_00014_41150_4135.N1	12-JAN-2010 21:11:54	Bright	54.500	120	1Del Oph	2.7340	3200.0	109	41150	No
122	GOM_TRA_1PNPDE20100112_211522_000000462086_00014_41150_4135.N1	12-JAN-2010 21:15:22	Twilight	45.500	104	27Bet Lib	2.6140	13100.	91	41150	No
123	GOM_TRA_1PNPDE20100112_211726_000000442086_00014_41150_4136.N1	12-JAN-2010 21:17:26	Twilight	43.500	80	7Del Sco	2.3160	30000.	87	41150	No
124	GOM_TRA_1PNPDE20100112_212254_000000392086_00014_41150_4137.N1	12-JAN-2010 21:22:54	Dark	39.000	131	Gam Lup	2.8000	26000.	78	41150	No
125	GOM_TRA_1PNPDE20100112_212435_000000412086_00014_41150_4138.N1	12-JAN-2010 21:24:35	Dark	40.500	109	Bet Lup	2.6770	26000.	81	41150	No
126	GOM_TRA_1PNPDE20100112_212605_000000422086_00014_41150_4139.N1	12-JAN-2010 21:26:05	Dark	42.000	78	Alp Lup	2.3040	28000.	84	41150	No
127	GOM_TRA_1PNPDE20100112_212943_000000392086_00015_41151_4140.N1	12-JAN-2010 21:29:43	Dark	39.000	10	Bet Cen	0.61000	28000.	78	41151	No
128	GOM_TRA_1PNPDE20100112_213212_000000412086_00015_41151_4141.N1	12-JAN-2010 21:32:12	Dark	40.500	20	Bet Cru	1.2530	30000.	81	41151	No
129	GOM_TRA_1PNPDE20100112_213624_000000412086_00015_41151_4142.N1	12-JAN-2010 21:36:24	Dark	40.500	124	The Car	2.7640	30000.	81	41151	No

130	GOM_TRA_1PNPDE20100112_213808_000000482086_00015_41151_4143.N1	12-JAN-2010 21:38:08	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	41151	No
131	GOM_TRA_1PNPDE20100112_213942_000000402086_00015_41151_4144.N1	12-JAN-2010 21:39:42	Dark	40.000	71	lot Car	2.2460	7700.0	80	41151	No
132	GOM_TRA_1PNPDE20100112_214101_000000462086_00015_41151_4145.N1	12-JAN-2010 21:41:01	Dark	46.000	41	Eps Car	1.8600	4100.0	92	41151	No
133	GOM_TRA_1PNPDE20100112_214629_000000432086_00015_41151_4146.N1	12-JAN-2010 21:46:29	Dark	43.000	70	Zet Pup	2.2460	39000.	86	41151	No
134	GOM_TRA_1PNPDE20100112_214813_000000462086_00015_41151_4147.N1	12-JAN-2010 21:48:13	Straylight	45.500	117	Pi Pup	2.7060	3800.0	91	41151	No
135	GOM_TRA_1PNPDE20100112_215048_000000432086_00015_41151_4148.N1	12-JAN-2010 21:50:48	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	41151	No
136	GOM_TRA_1PNPDE20100112_215215_000000422086_00015_41151_4149.N1	12-JAN-2010 21:52:15	Straylight	42.000	179	24Omi2CMa	3.0320	24000.	84	41151	No
137	GOM_TRA_1PNPDE20100112_215430_000000472086_00015_41151_4150.N1	12-JAN-2010 21:54:30	Straylight	46.500	1	9Alp CMa	-1.4400	11000.	93	41151	No
138	GOM_TRA_1PNPDE20100112_220129_000000252086_00015_41151_4151.N1	12-JAN-2010 22:01:29	Twilight_and_stray	25.000	8	10Alp CMi	0.40000	6500.0	50	41151	No
139	GOM_TRA_1PNPDE20100112_220220_000000462086_00015_41151_4152.N1	12-JAN-2010 22:02:20	Twilight_and_stray	46.000	153	3Bet CMi	2.8940	13100.	92	41151	No
140	GOM_TRA_1PNPDE20100112_220419_000000472086_00015_41151_4153.N1	12-JAN-2010 22:04:19	Bright	47.000	44	24Gam Gem	1.9280	11000.	94	41151	No
141	GOM_TRA_1PNPDE20100112_220601_000000432086_00015_41151_4154.N1	12-JAN-2010 22:06:01	Bright	43.000	151	13Mu Gem	2.8900	3000.0	86	41151	No
142	GOM_TRA_1PNPDE20100112_221008_000000362086_00015_41151_4155.N1	12-JAN-2010 22:10:08	Bright	36.000	107	37The Aur	2.6490	11000.	72	41151	No
143	GOM_TRA_1PNPDE20100112_221220_000000372086_00015_41151_4156.N1	12-JAN-2010 22:12:20	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41151	No
144	GOM_TRA_1PNPDE20100112_222451_000000342086_00015_41151_4157.N1	12-JAN-2010 22:24:51	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	41151	No
145	GOM_TRA_1PNPDE20100112_222856_000000402086_00015_41151_4158.N1	12-JAN-2010 22:28:56	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	41151	No
146	GOM_TRA_1PNPDE20100112_223310_000000542086_00015_41151_4159.N1	12-JAN-2010 22:33:10	Bright	54.000	119	14Eta Dra	2.7270	4700.0	108	41151	No
147	GOM_TRA_1PNPDE20100112_224155_000000532086_00015_41151_4160.N1	12-JAN-2010 22:41:55	Bright	53.000	133	40Zet Her	2.8070	6000.0	106	41151	No
148	GOM_TRA_1PNPDE20100112_224406_000000412086_00015_41151_4161.N1	12-JAN-2010 22:44:06	Bright	40.500	67	5Alp CrB	2.2210	11000.	81	41151	No
149	GOM_TRA_1PNPDE20100112_225020_000000572086_00015_41151_4162.N1	12-JAN-2010 22:50:20	Bright	57.000	102	24Alp Ser	2.6000	4250.0	114	41151	No
150	GOM_TRA_1PNPDE20100112_225230_000000552086_00015_41151_4163.N1	12-JAN-2010 22:52:30	Bright	55.000	120	1Del Oph	2.7340	3200.0	110	41151	No
151	GOM_TRA_1PNPDE20100112_225559_000000492086_00015_41151_4154.N1	12-JAN-2010 22:55:59	Twilight_and_stray	48.500	104	27Bet Lib	2.6140	13100.	97	41151	Yes
152	GOM_TRA_1PNPDE20100112_225803_000000432086_00015_41151_4155.N1	12-JAN-2010 22:58:03	Twilight_and_stray	42.500	80	7Del Sco	2.3160	30000.	85	41151	No
153	GOM_TRA_1PNPDE20100112_230330_000000392086_00015_41151_4156.N1	12-JAN-2010 23:03:30	Dark	39.000	131	Gam Lup	2.8000	26000.	78	41151	No
154	GOM_TRA_1PNPDE20100112_230642_000000412086_00015_41151_4157.N1	12-JAN-2010 23:06:42	Dark	40.500	78	Alp Lup	2.3040	28000.	81	41151	No
155	GOM_TRA_1PNPDE20100112_231019_000000512086_00016_41152_4158.N1	12-JAN-2010 23:10:19	Dark	51.000	10	Bet Cen	0.61000	28000.	102	41152	No
156	GOM_TRA_1PNPDE20100112_231249_000000492086_00016_41152_4159.N1	12-JAN-2010 23:12:49	Dark	49.000	20	Bet Cru	1.2530	30000.	98	41152	No
157	GOM_TRA_1PNPDE20100112_231700_000000392086_00016_41152_4160.N1	12-JAN-2010 23:17:00	Dark	39.000	124	The Car	2.7640	30000.	78	41152	No
158	GOM_TRA_1PNPDE20100112_231845_000000502086_00016_41152_4161.N1	12-JAN-2010 23:18:45	Dark	50.000	113	Mu Vel	2.6920	5000.0	100	41152	No
159	GOM_TRA_1PNPDE20100112_232019_000000442086_00016_41152_4162.N1	12-JAN-2010 23:20:19	Dark	43.500	71	lot Car	2.2460	7700.0	87	41152	No
160	GOM_TRA_1PNPDE20100112_232137_000000532086_00016_41152_4163.N1	12-JAN-2010 23:21:37	Dark	52.500	41	Eps Car	1.8600	4100.0	105	41152	No
161	GOM_TRA_1PNPDE20100112_232456_000000422086_00016_41152_4164.N1	12-JAN-2010 23:24:56	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	41152	No
162	GOM_TRA_1PNPDE20100112_232705_000000442086_00016_41152_4165.N1	12-JAN-2010 23:27:05	Dark	43.500	70	Zet Pup	2.2460	39000.	87	41152	No
163	GOM_TRA_1PNPDE20100112_232849_000000462086_00016_41152_4166.N1	12-JAN-2010 23:28:49	Straylight	46.000	117	Pi Pup	2.7060	3800.0	92	41152	No
164	GOM_TRA_1PNPDE20100112_233124_000000432086_00016_41152_4167.N1	12-JAN-2010 23:31:24	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	41152	No
165	GOM_TRA_1PNPDE20100112_233250_000000422086_00016_41152_4168.N1	12-JAN-2010 23:32:50	Straylight	42.000	179	24Omi2CMa	3.0320	24000.	84	41152	No
166	GOM_TRA_1PNPDE20100112_233506_000000452086_00016_41152_4169.N1	12-JAN-2010 23:35:06	Straylight	44.500	1	9Alp CMa	-1.4400	11000.	89	41152	No
167	GOM_TRA_1PNPDE20100112_234205_000000332086_00016_41152_4170.N1	12-JAN-2010 23:42:05	Twilight_and_stray	33.000	8	10Alp CMi	0.40000	6500.0	66	41152	No
168	GOM_TRA_1PNPDE20100112_234454_000000452086_00016_41152_4171.N1	12-JAN-2010 23:44:54	Bright	45.000	44	24Gam Gem	1.9280	11000.	90	41152	No
169	GOM_TRA_1PNPDE20100112_234637_000000422086_00016_41152_4172.N1	12-JAN-2010 23:46:37	Bright	41.500	151	13Mu Gem	2.8900	3000.0	83	41152	No
170	GOM_TRA_1PNPDE20100112_235044_000000372086_00016_41152_4173.N1	12-JAN-2010 23:50:44	Bright	36.500	107	37The Aur	2.6490	11000.	73	41152	No
171	GOM_TRA_1PNPDE20100112_235256_000000362086_00016_41152_4174.N1	12-JAN-2010 23:52:56	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	41152	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).

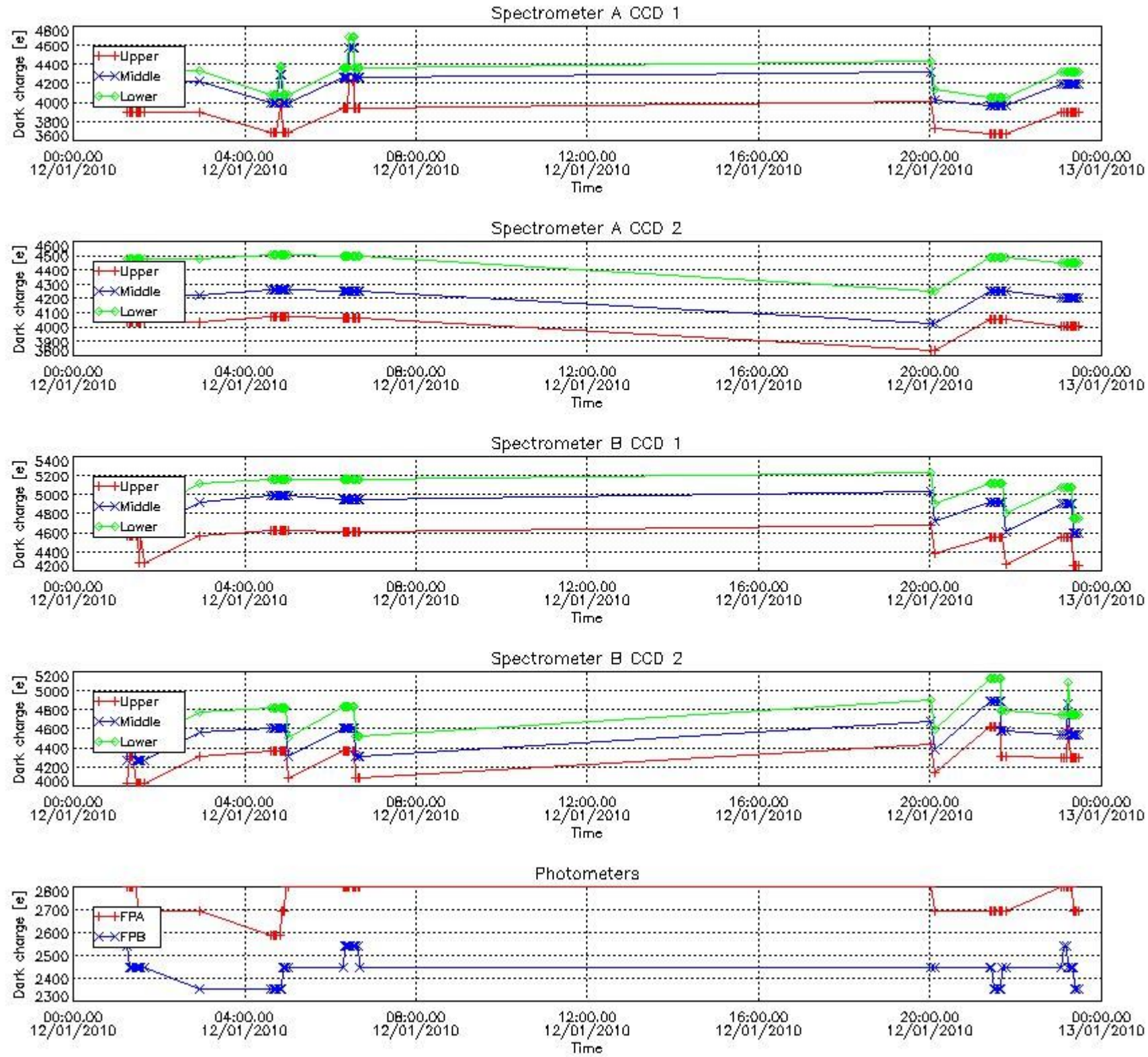
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100112_033506_000000462086_00004_41140_4078.N1	DC map with no T dep.
GOM_TRA_1PNPDE20100112_033745_000000452086_00004_41140_4079.N1	DC map used
GOM_TRA_1PNPDE20100112_033927_000000452086_00004_41140_4080.N1	DC map used
GOM_TRA_1PNPDE20100112_034334_000000362086_00004_41140_4081.N1	DC map used
GOM_TRA_1PNPDE20100112_034546_000000362086_00004_41140_4082.N1	DC map used
GOM_TRA_1PNPDE20100112_200025_000000432086_00014_41150_4117.N1	DC map used
GOM_TRA_1PNPDE20100112_200553_000000452086_00014_41150_4118.N1	DC map used
GOM_TRA_1PNPDE20100112_200737_000000442086_00014_41150_4119.N1	DC map used
GOM_TRA_1PNPDE20100112_201012_000000432086_00014_41150_4120.N1	DC map used
GOM_TRA_1PNPDE20100112_201138_000000422086_00014_41150_4121.N1	DC map used
GOM_TRA_1PNPDE20100112_201354_000000432086_00014_41150_4122.N1	DC map used
GOM_TRA_1PNPDE20100112_202054_000000252086_00014_41150_4123.N1	DC map used
GOM_TRA_1PNPDE20100112_202144_000000462086_00014_41150_4124.N1	DC map used
GOM_TRA_1PNPDE20100112_202343_000000472086_00014_41150_4125.N1	DC map used

GOM_TRA_1PNPDE20100112_202525_000000452086_00014_41150_4126.N1	DC map used
GOM_TRA_1PNPDE20100112_202933_000000362086_00014_41150_4127.N1	DC map used
GOM_TRA_1PNPDE20100112_203144_000000392086_00014_41150_4128.N1	DC map used
GOM_TRA_1PNPDE20100112_204415_000000352086_00014_41150_4129.N1	DC map used
GOM_TRA_1PNPDE20100112_204820_000000402086_00014_41150_4130.N1	DC map used
GOM_TRA_1PNPDE20100112_205234_000000402086_00014_41150_4131.N1	DC map used
GOM_TRA_1PNPDE20100112_210119_000000342086_00014_41150_4132.N1	DC map used
GOM_TRA_1PNPDE20100112_210330_000000612086_00014_41150_4133.N1	DC map used
GOM_TRA_1PNPDE20100112_210944_000000402086_00014_41150_4134.N1	DC map used
GOM_TRA_1PNPDE20100112_211154_000000552086_00014_41150_4135.N1	DC map used

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



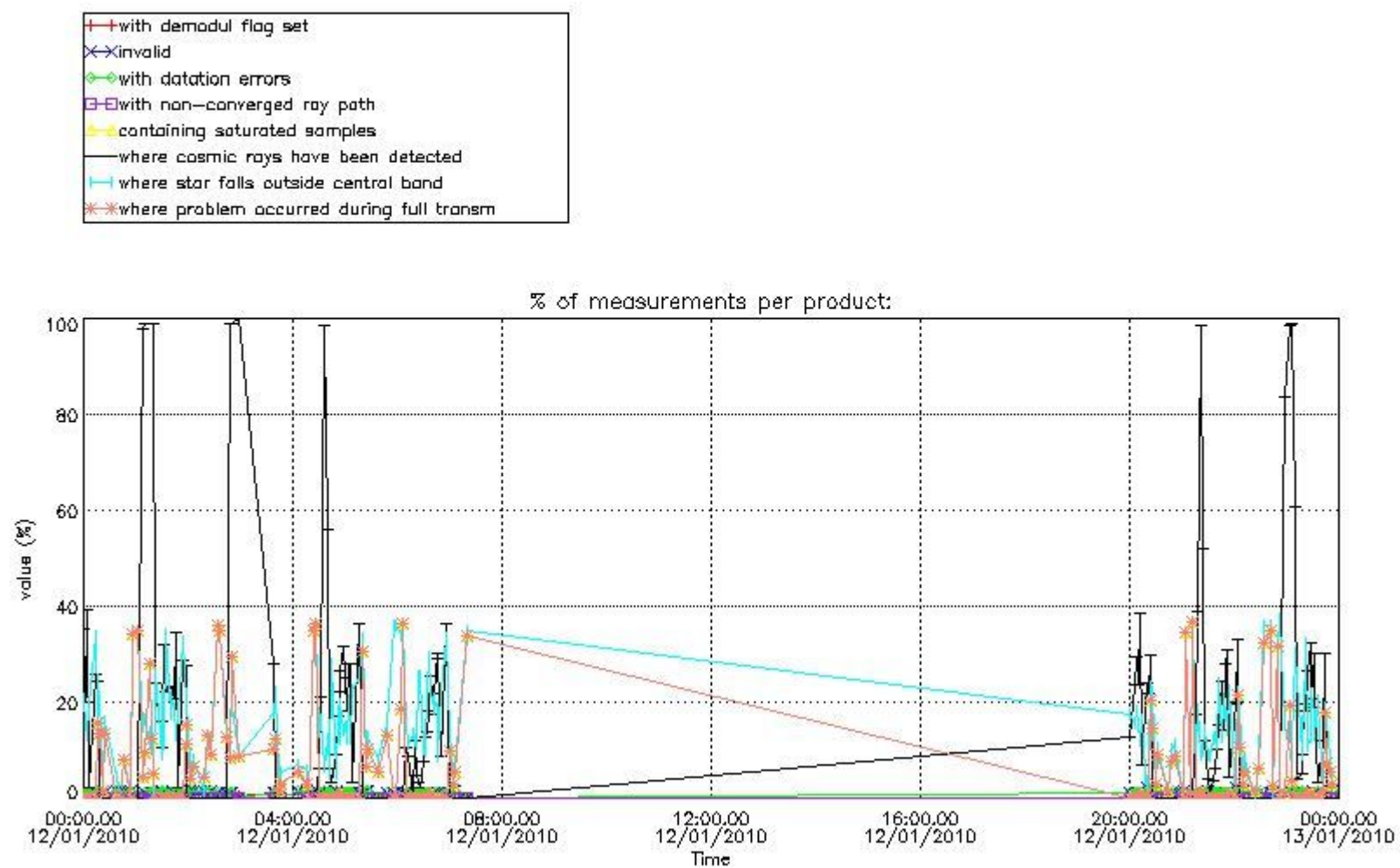
5. Demodulation flag and quality information monitoring

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.

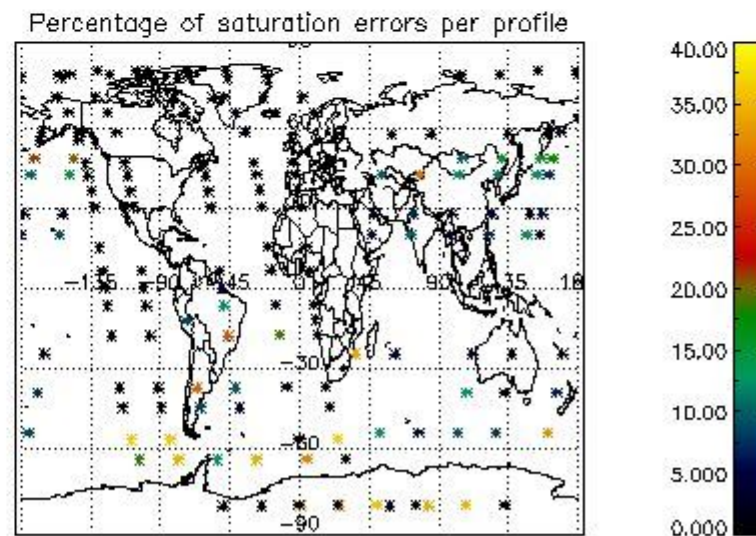
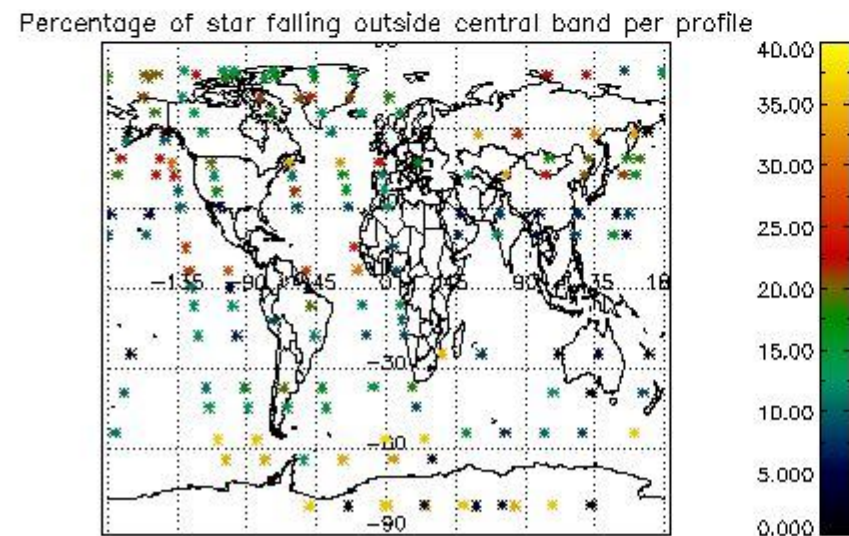
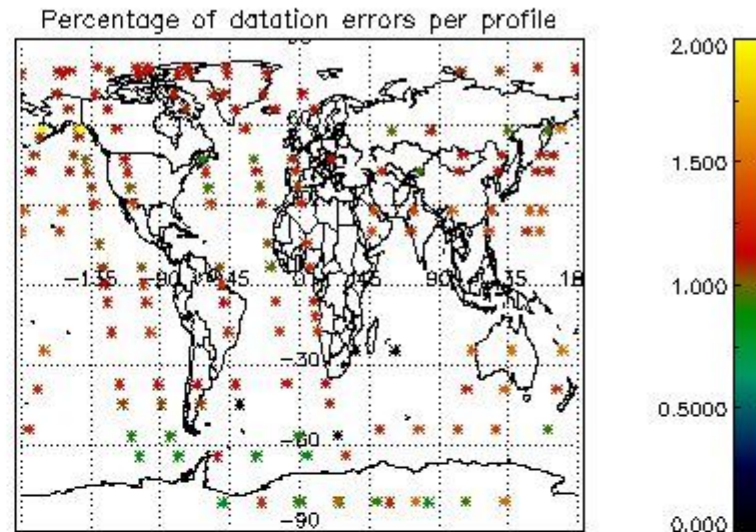
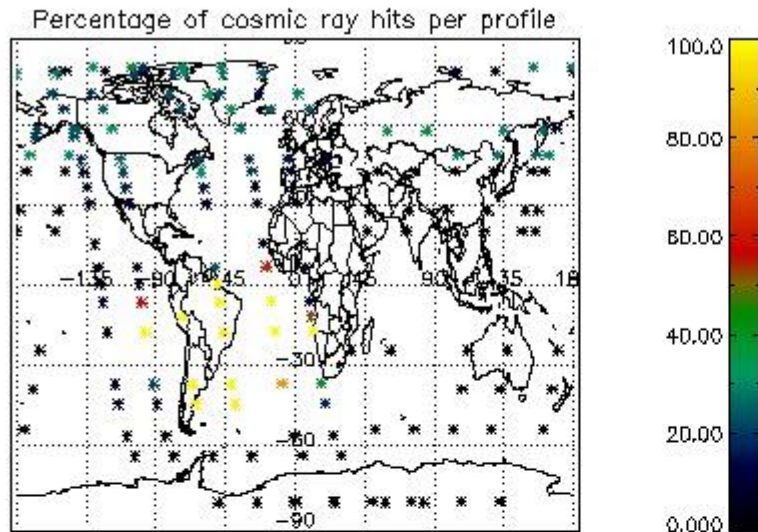
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	39.6450 %
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)



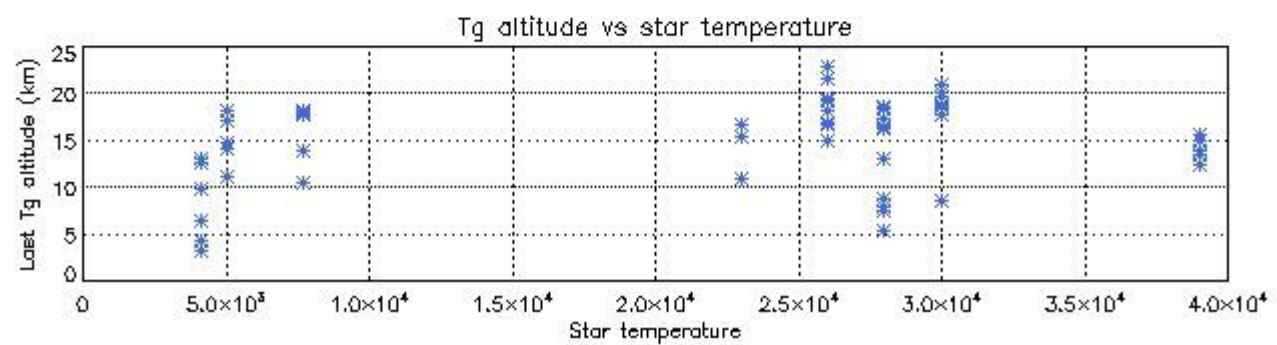
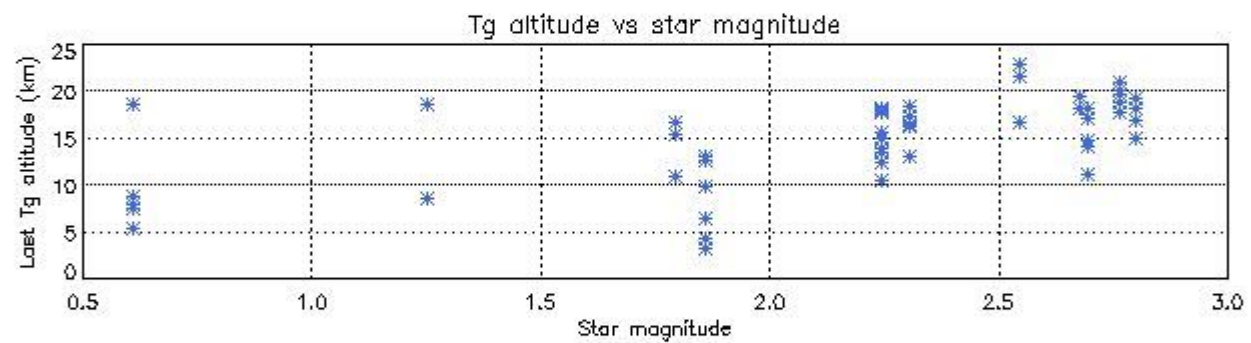
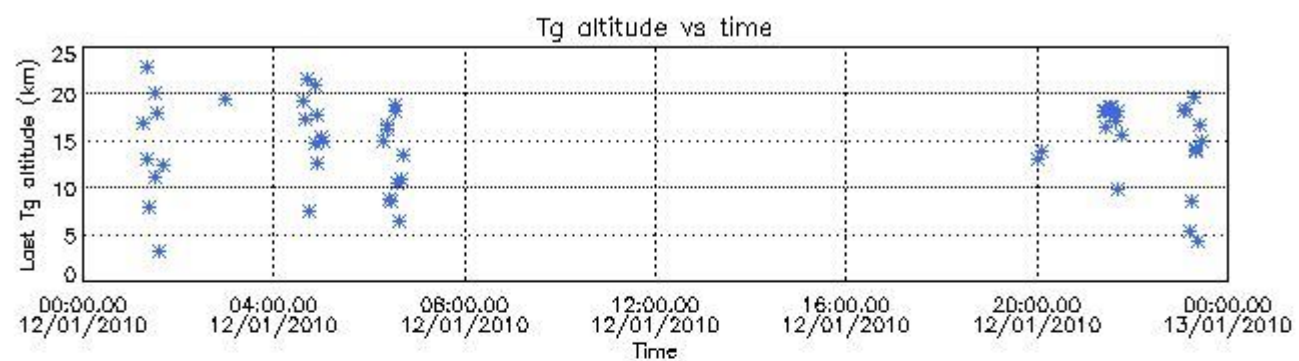
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.701	14.907	NaN
St. deviation:	4.6702	7.7844	NaN
Maximum:	22.851	28.506	NaN
Minimum:	3.2665	3.2919	NaN
Number of data:	53.000	65.000	NaN

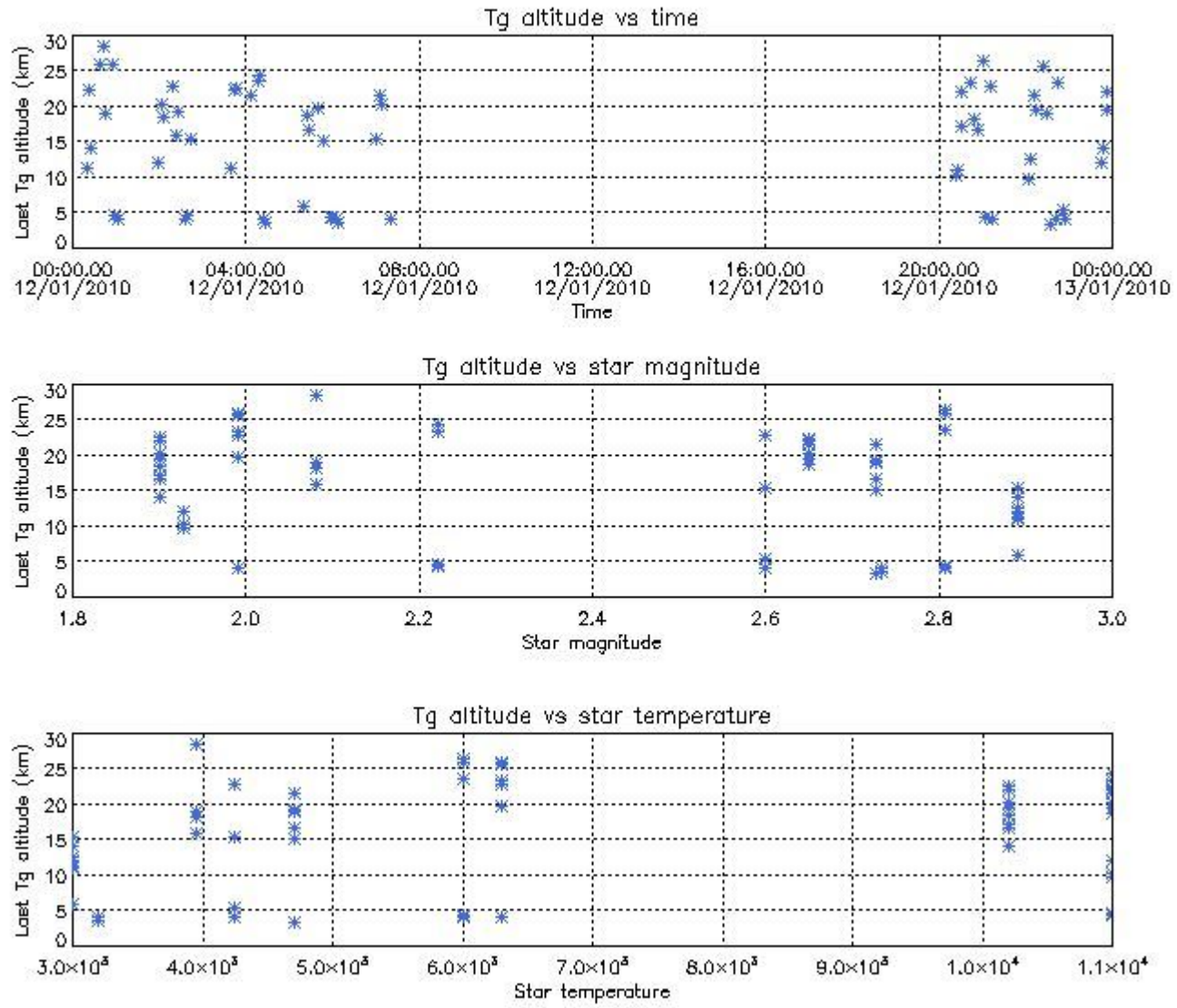
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

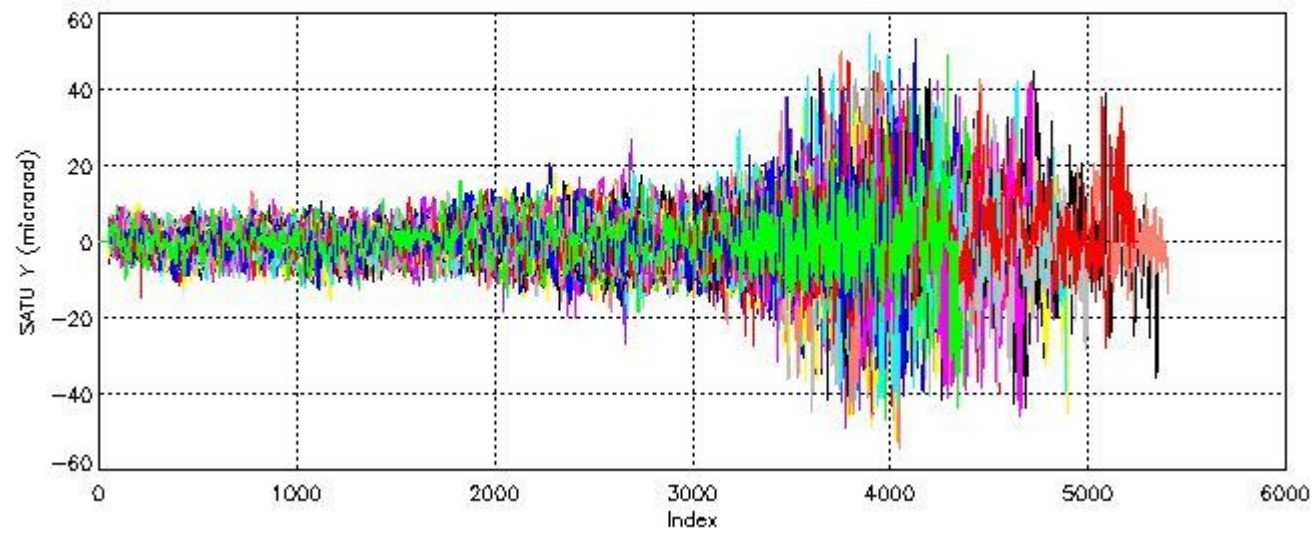
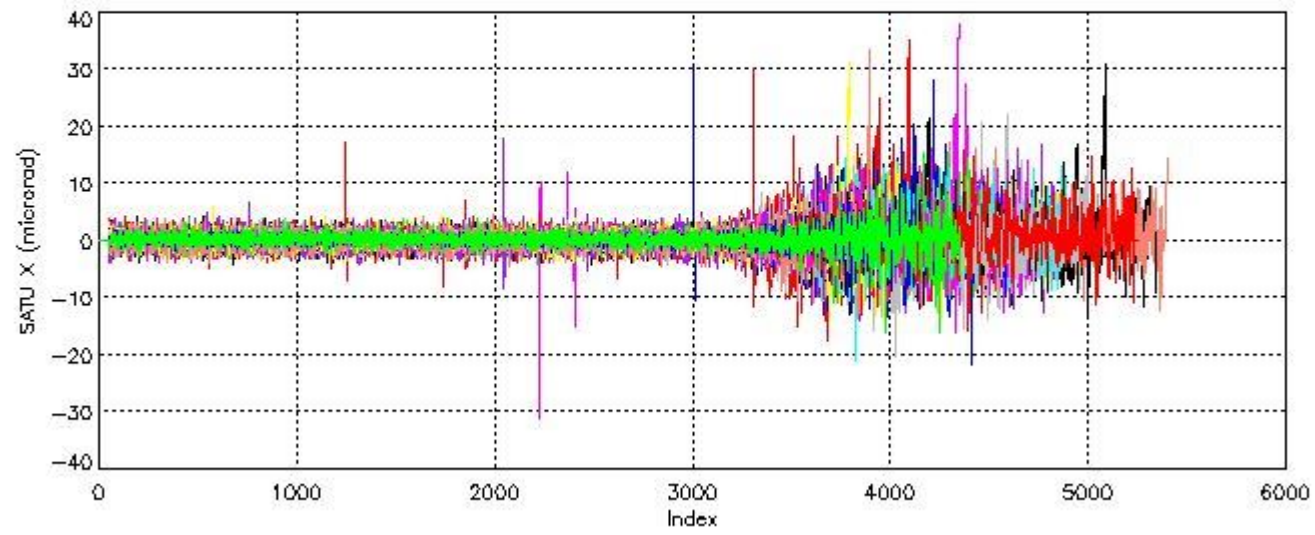


7. Star Acquisition and Tracking Unit (SATU)

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:	0.15835	0.14905	0.096182	-0.056083
St. deviation:	0.71315	2.7660	0.67742	2.9864
Maximum:	6.6000	13.200	4.7000	12.300
Minimum:	-4.8000	-14.800	-4.2000	-13.400

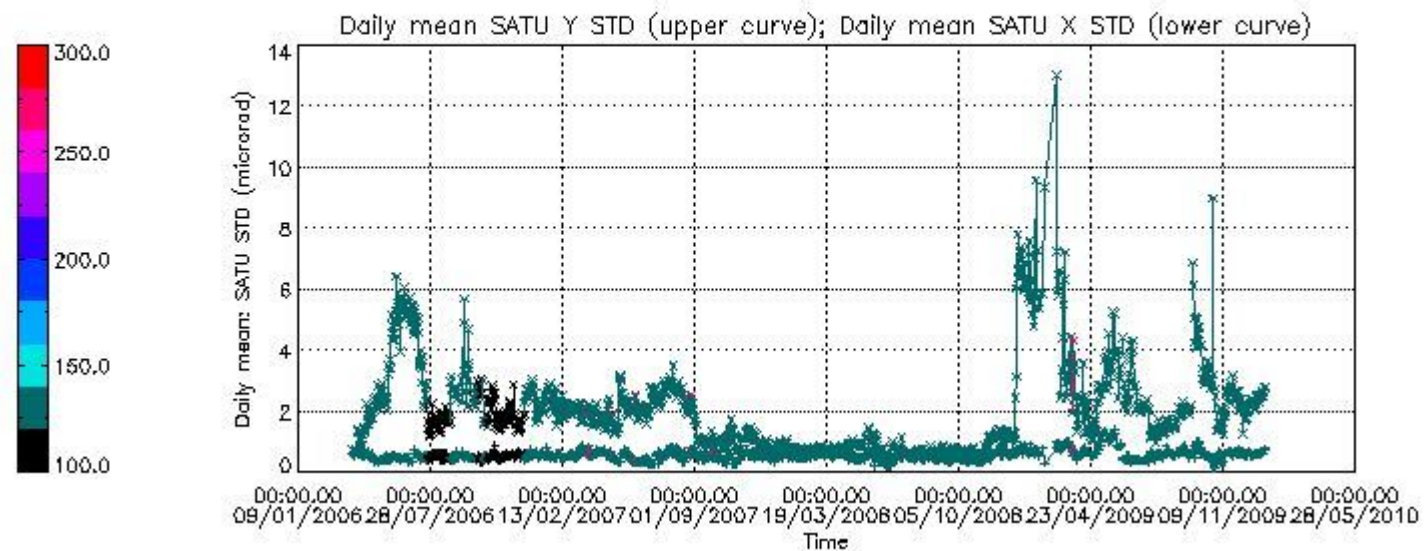
Number of data:	49200.	49200.	56600.	56600.
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

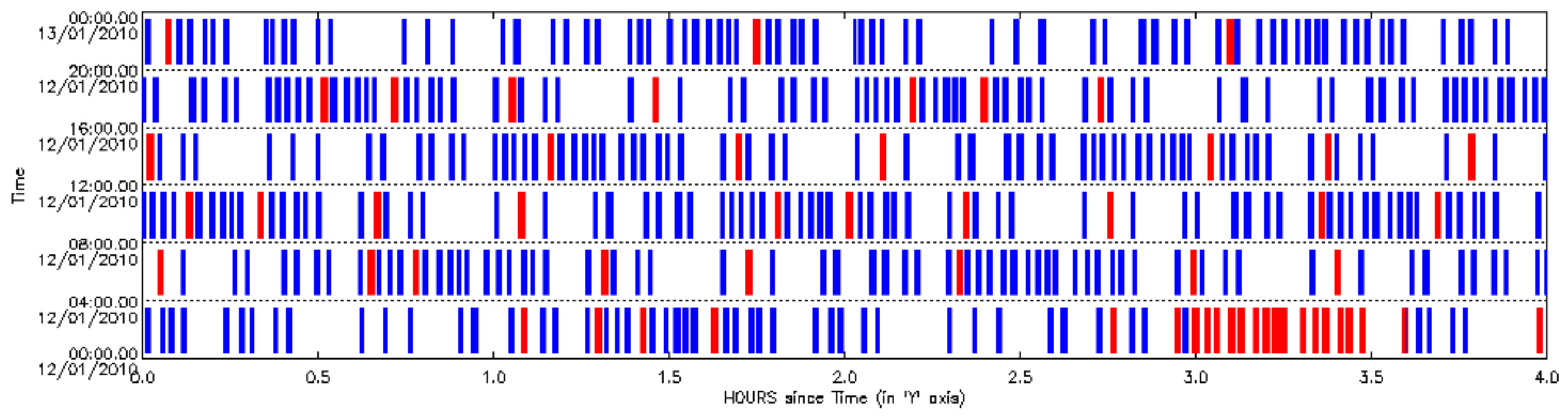
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

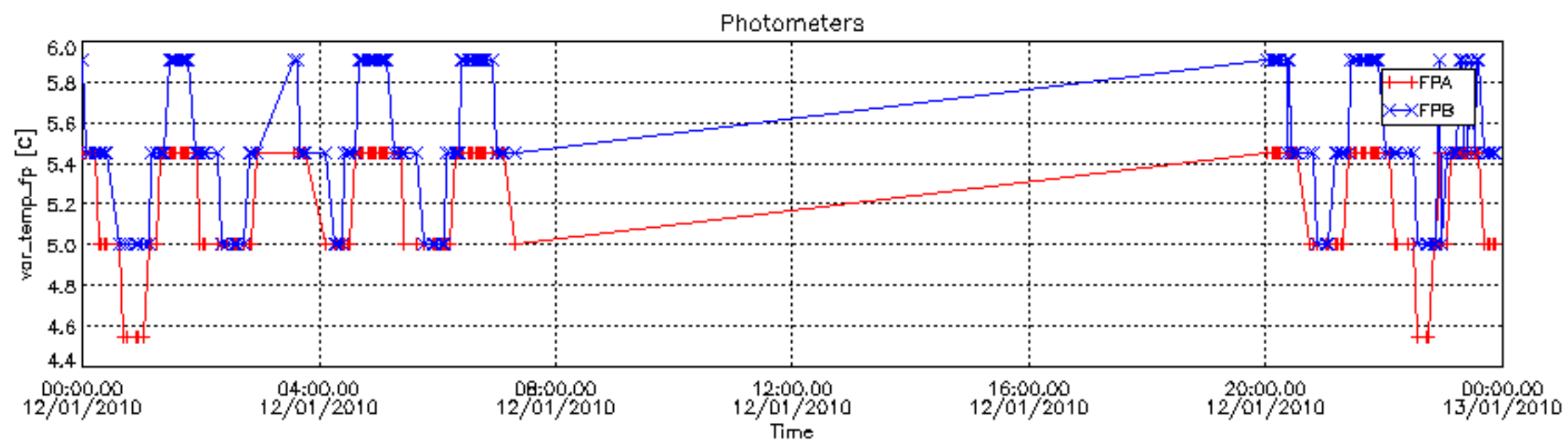
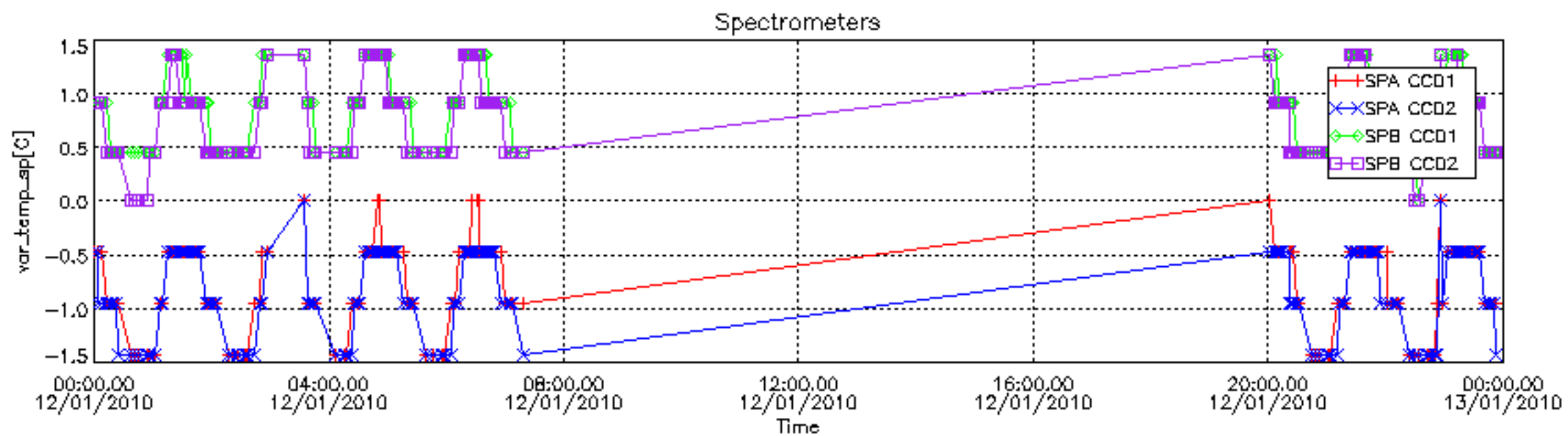


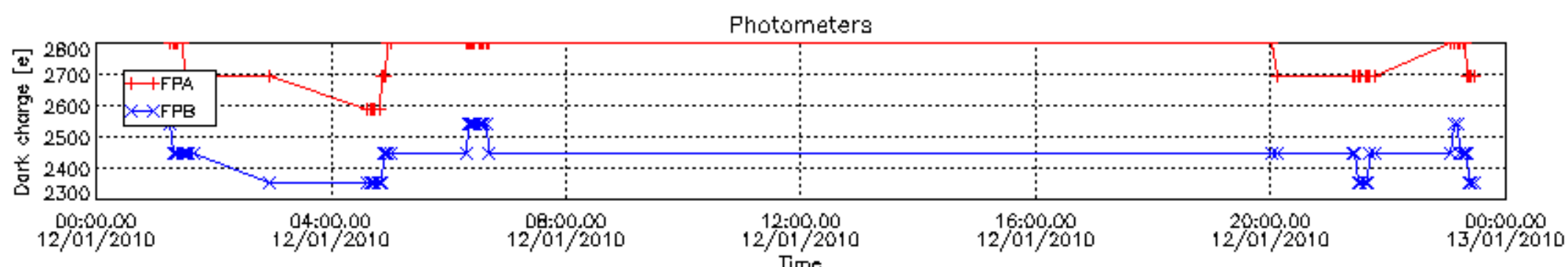
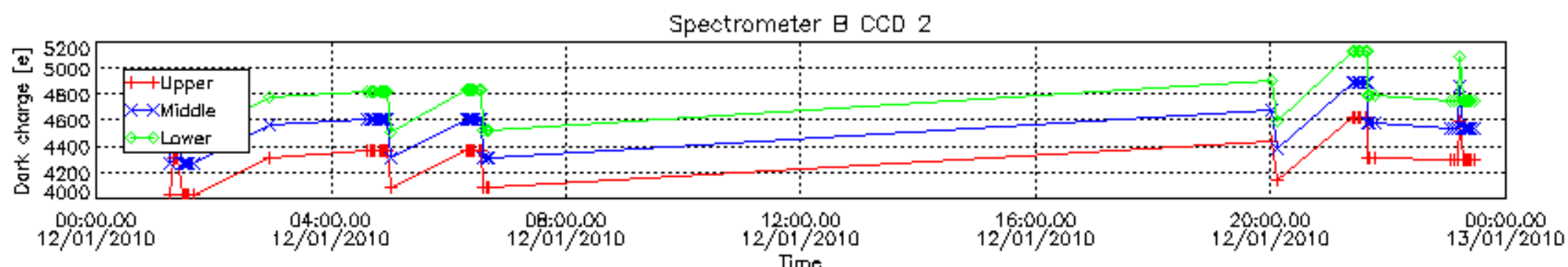
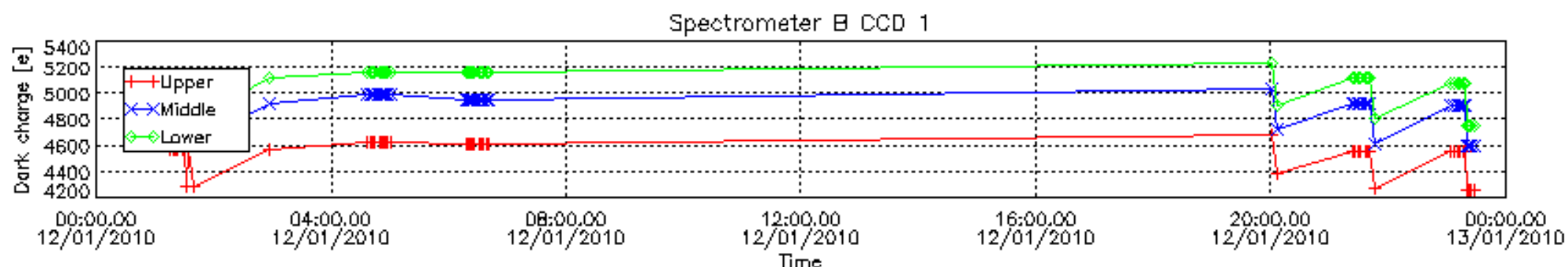
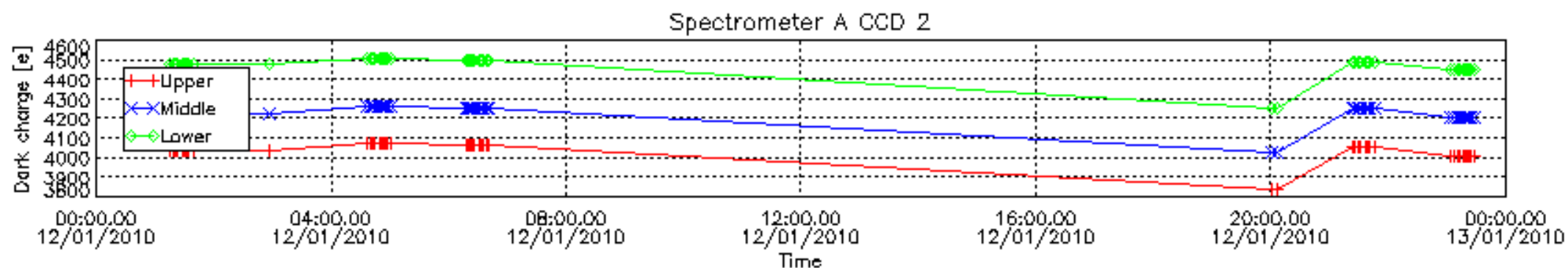
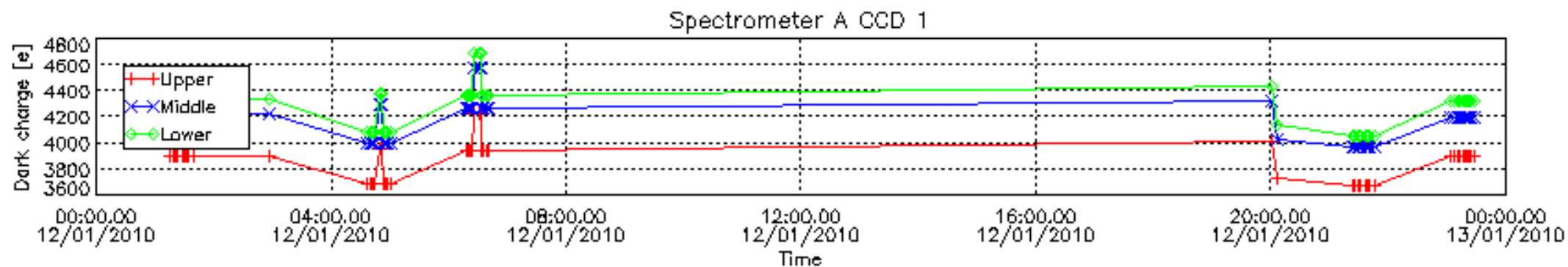
8. Auxiliary Data Files used for the production reported in section 2.4

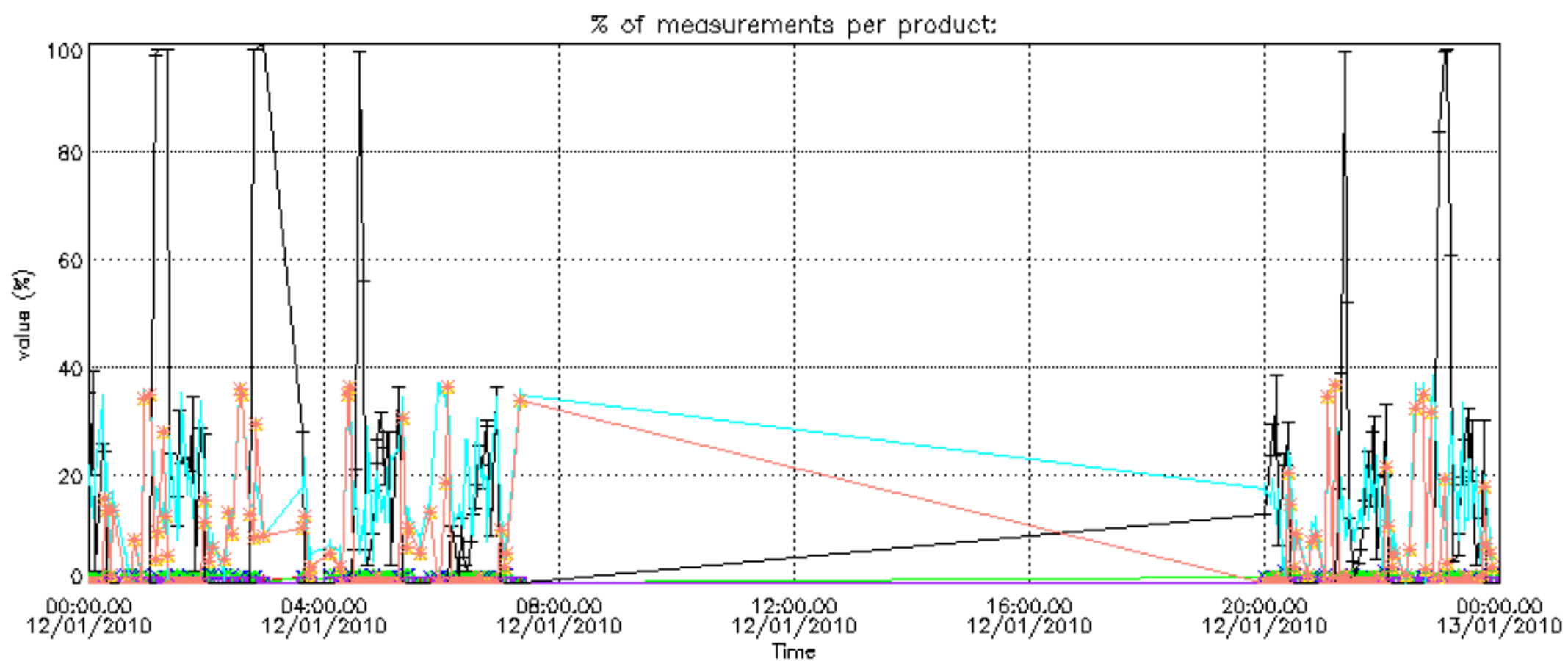
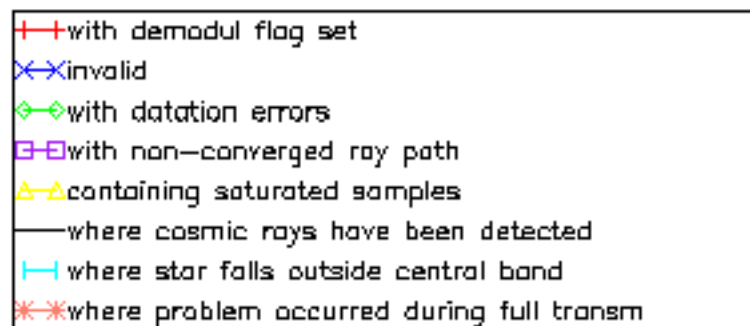
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	12-JAN-2010 00:00:22
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100105_102808_20100103_000000_20500101_000000	1	12-JAN-2010 00:00:22
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100112_145459_20100110_000000_20500101_000000	103	12-JAN-2010 20:00:25
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	12-JAN-2010 00:00:22
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	12-JAN-2010 00:00:22
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	12-JAN-2010 00:00:22
ECMWF_FILE	AUX_ECF_AXNECM20100111_062113_20100111_210000_20100112_090000	1	12-JAN-2010 00:00:22
ECMWF_FILE	AUX_ECA_AXNECM20100112_060112_20100111_210000_20100112_090000	45	12-JAN-2010 03:35:06
ECMWF_FILE	AUX_ECF_AXNECM20100111_182838_20100112_030000_20100112_150000	50	12-JAN-2010 04:06:35
ECMWF_FILE	AUX_ECA_AXNECM20100112_060112_20100111_210000_20100112_090000	76	12-JAN-2010 05:47:11
ECMWF_FILE	AUX_ECF_AXNECM20100112_062112_20100112_150000_20100113_030000	103	12-JAN-2010 20:00:25
ECMWF_FILE	AUX_ECF_AXNECM20100112_062112_20100112_210000_20100113_090000	122	12-JAN-2010 21:15:22
OPTIONAL_ECMWF_FILE	MISSING	1	12-JAN-2010 00:00:22
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100111_110113_20100110_190949_20100120_203602	1	12-JAN-2010 00:00:22
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100112_010405_000063762086_00002_41138_9549.N1	17	12-JAN-2010 01:10:09
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100112_033251_00006382086_00004_41140_9553.N1	45	12-JAN-2010 03:35:06
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100111_110113_20100110_190949_20100120_203602	50	12-JAN-2010 04:06:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100112_054022_000057382086_00005_41141_9551.N1	76	12-JAN-2010 05:47:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100112_195547_000041442086_00014_41150_9555.N1	103	12-JAN-2010 20:00:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100112_211010_000060572086_00014_41150_9556.N1	122	12-JAN-2010 21:15:22

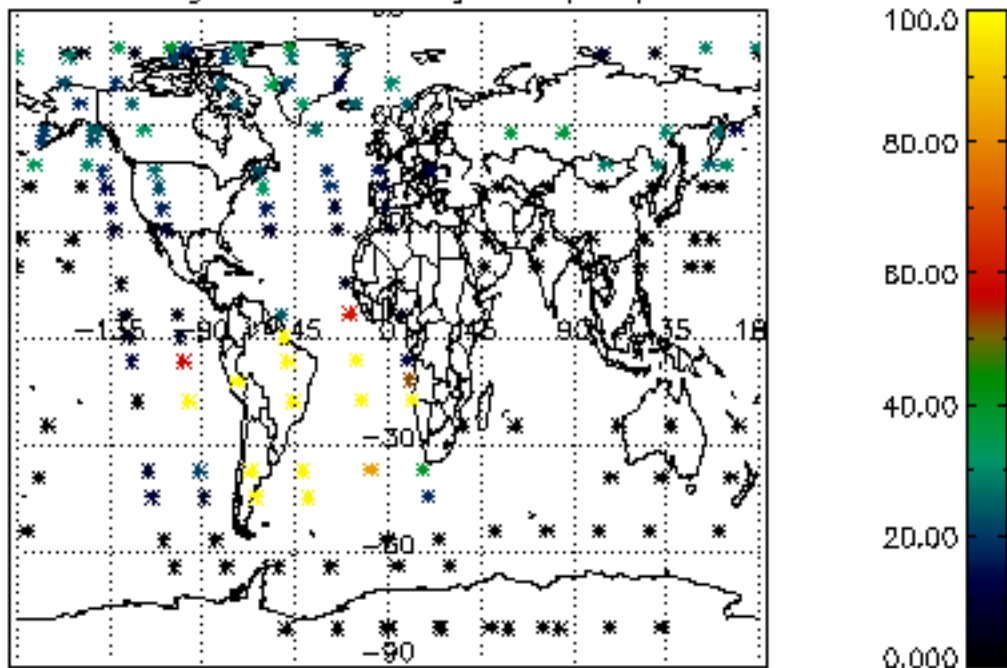




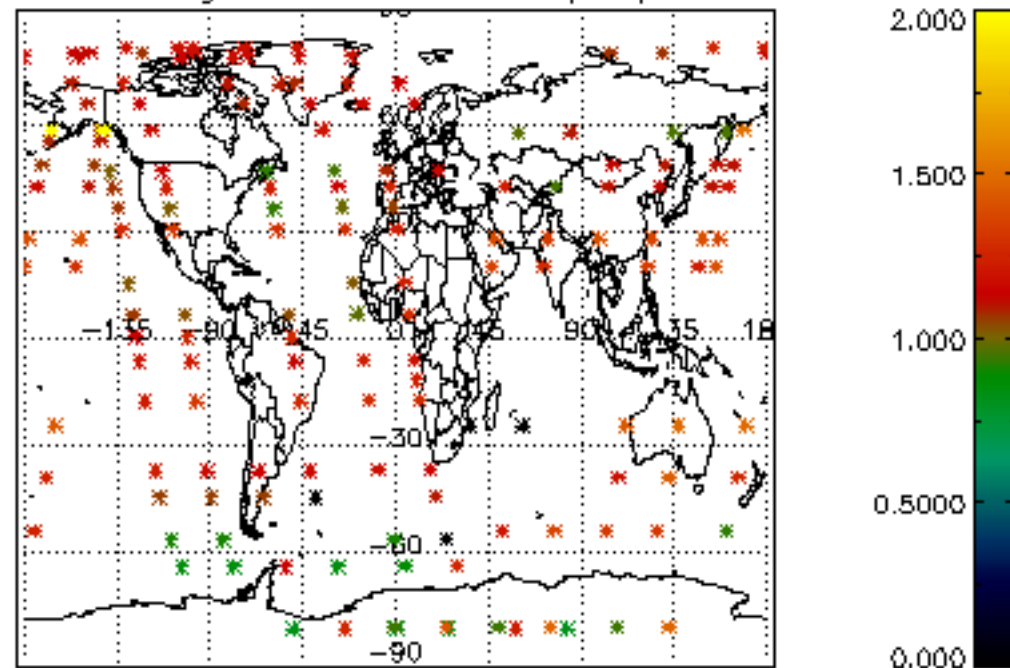




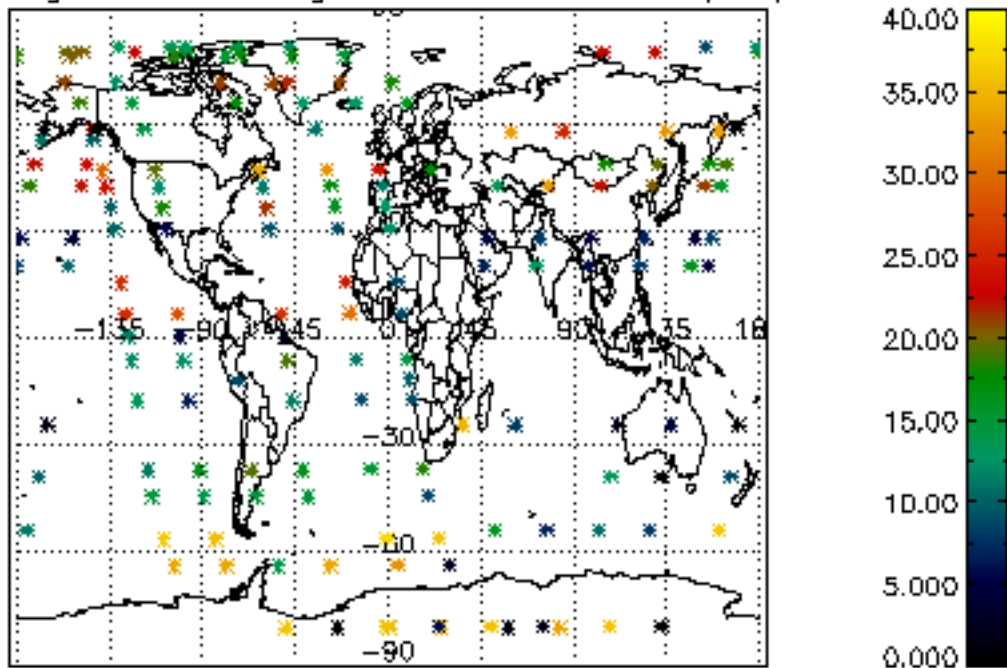
Percentage of cosmic ray hits per profile



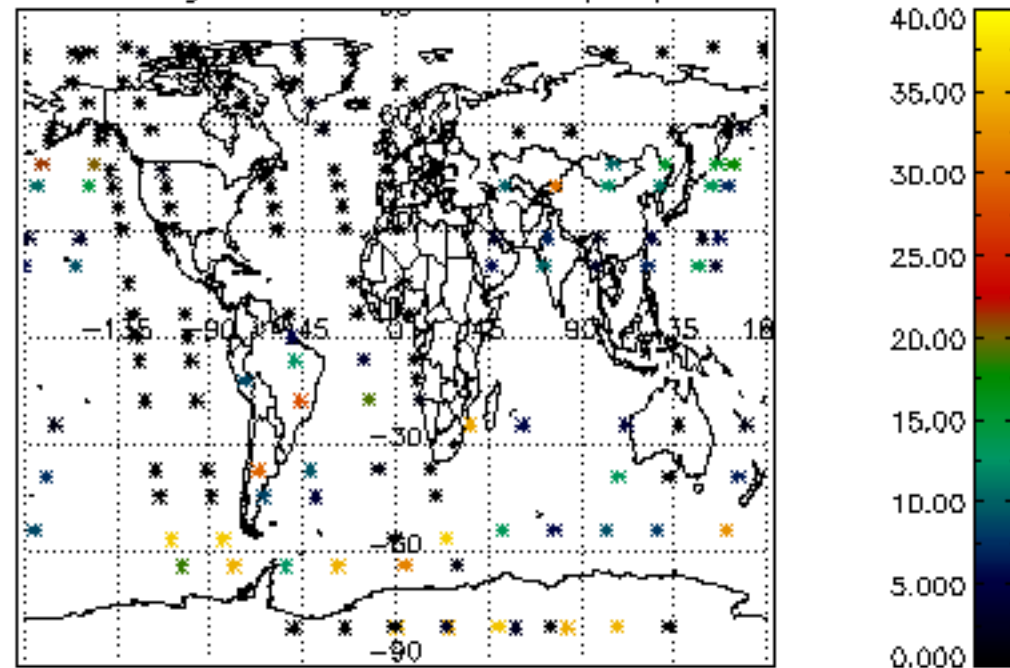
Percentage of datation errors per profile



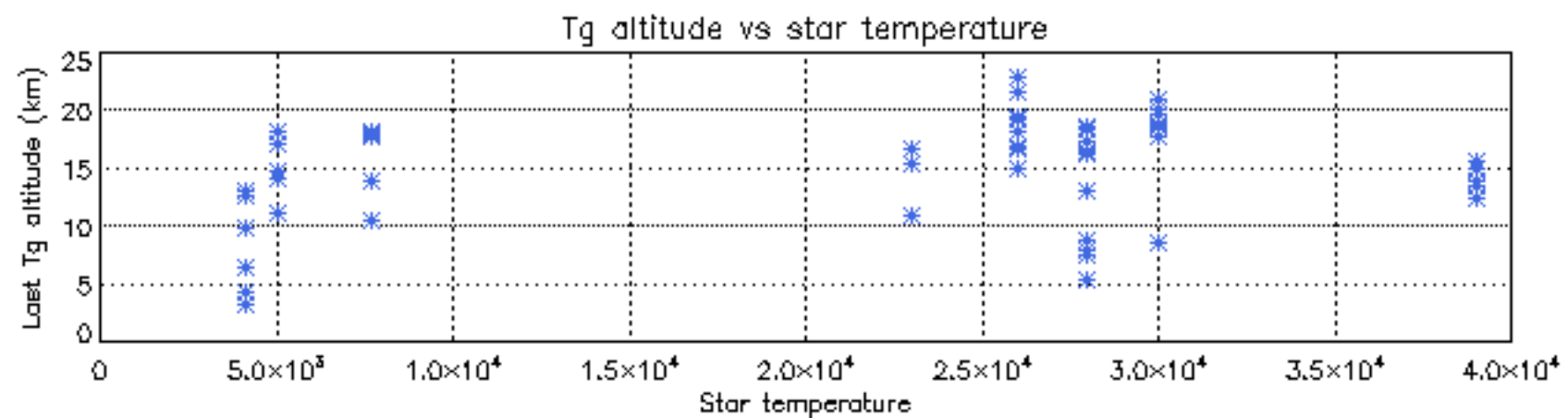
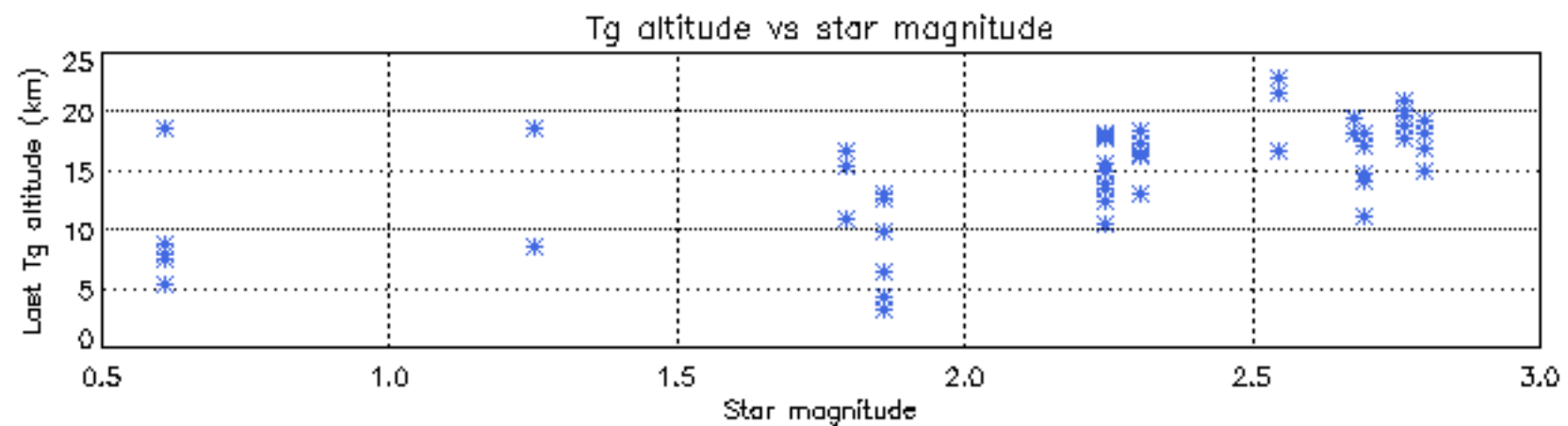
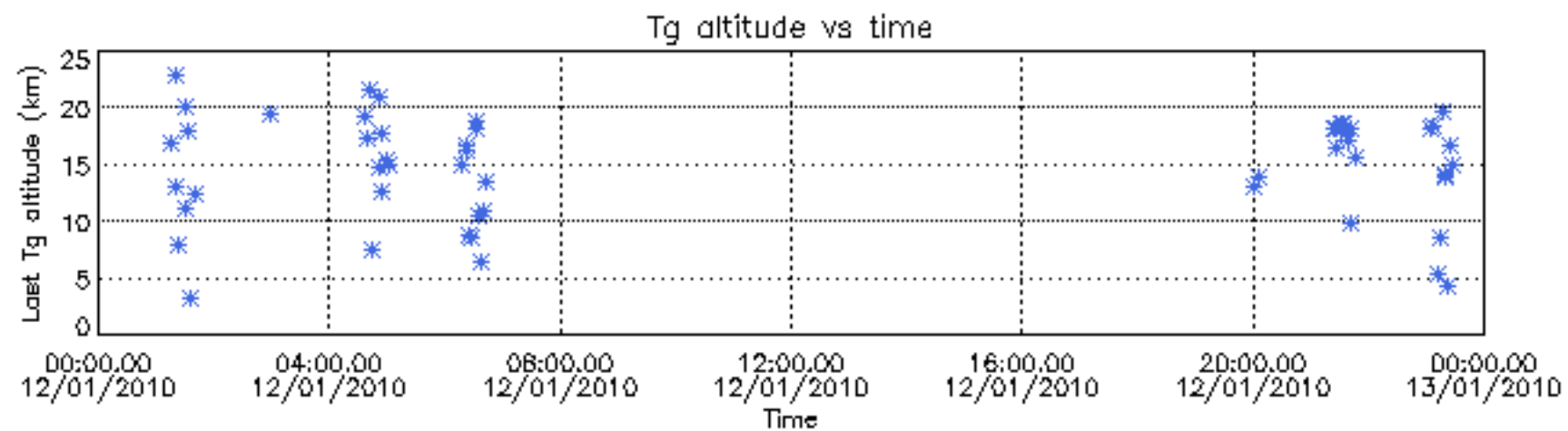
Percentage of star falling outside central band per profile



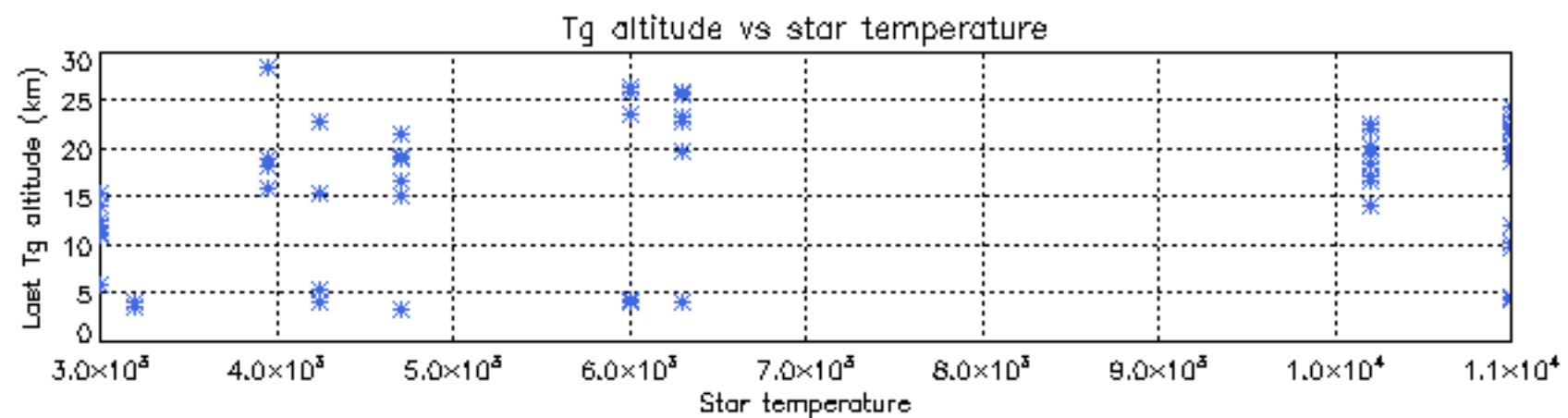
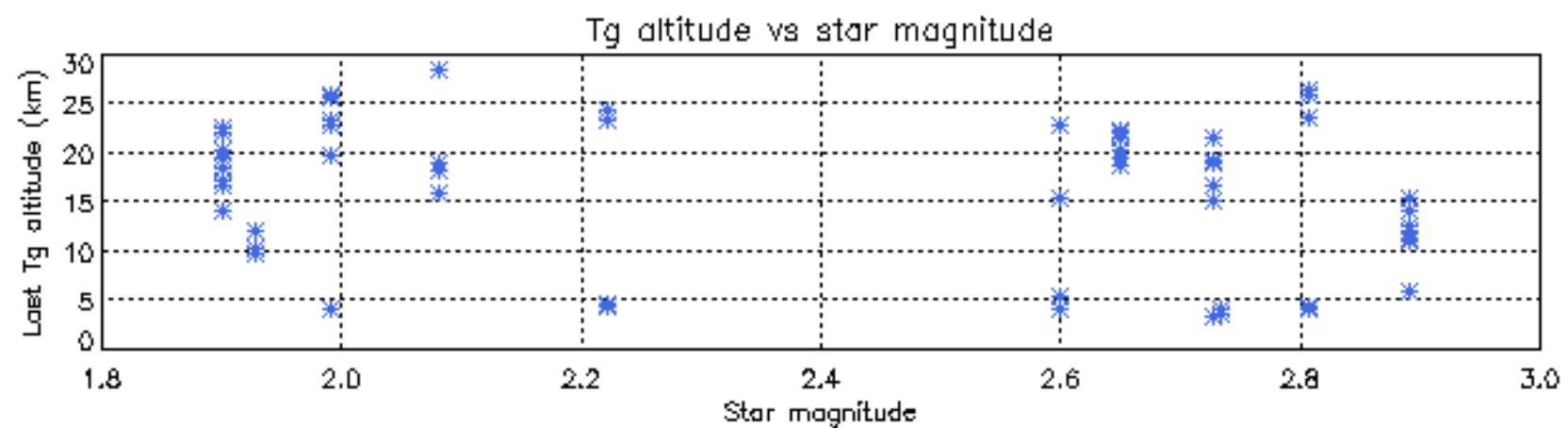
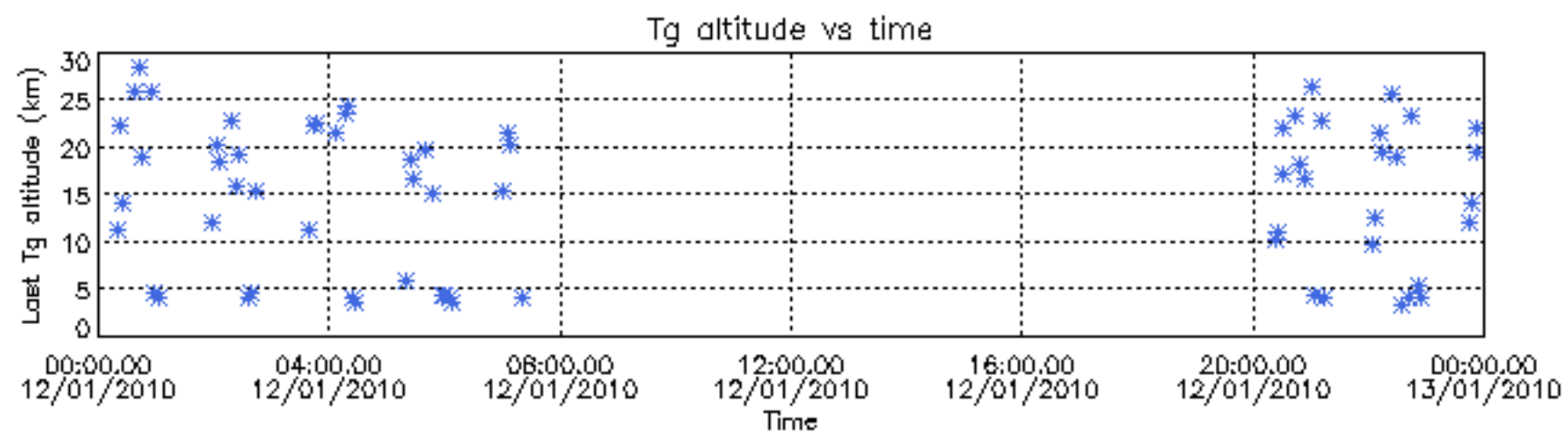
Percentage of saturation errors per profile

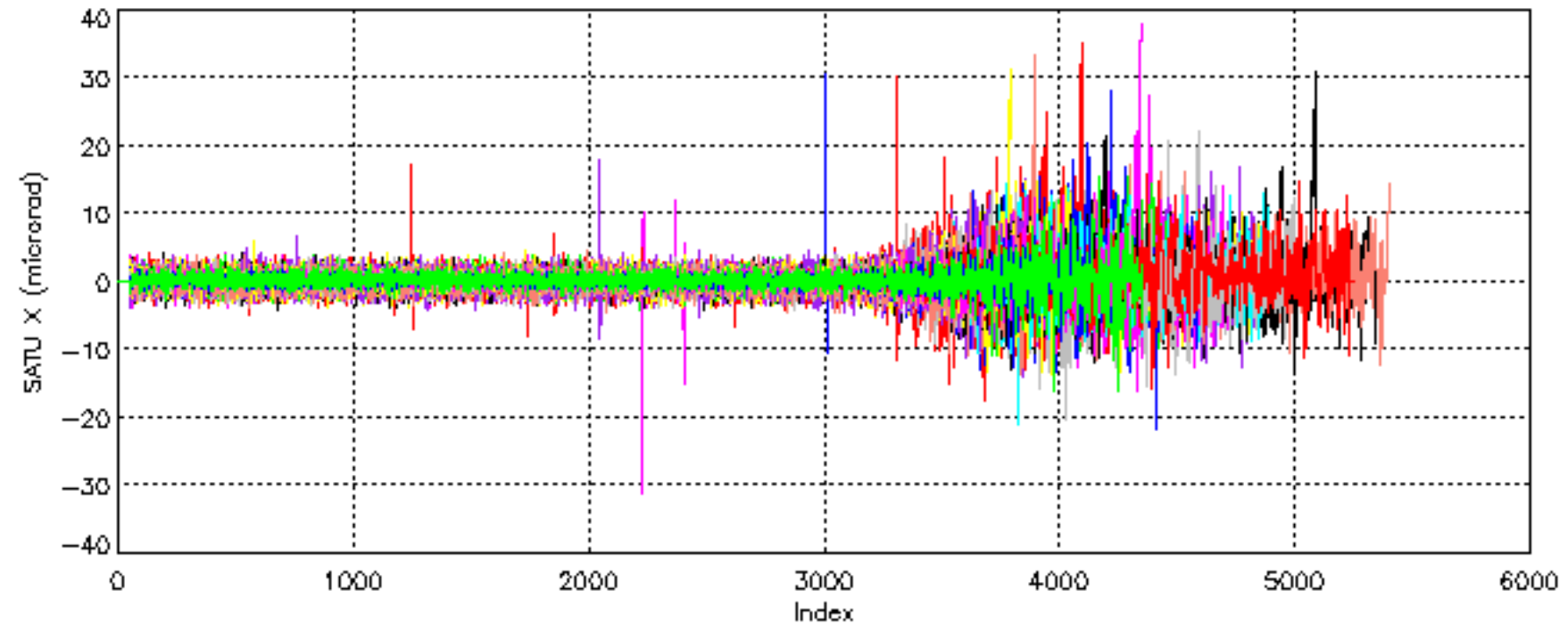


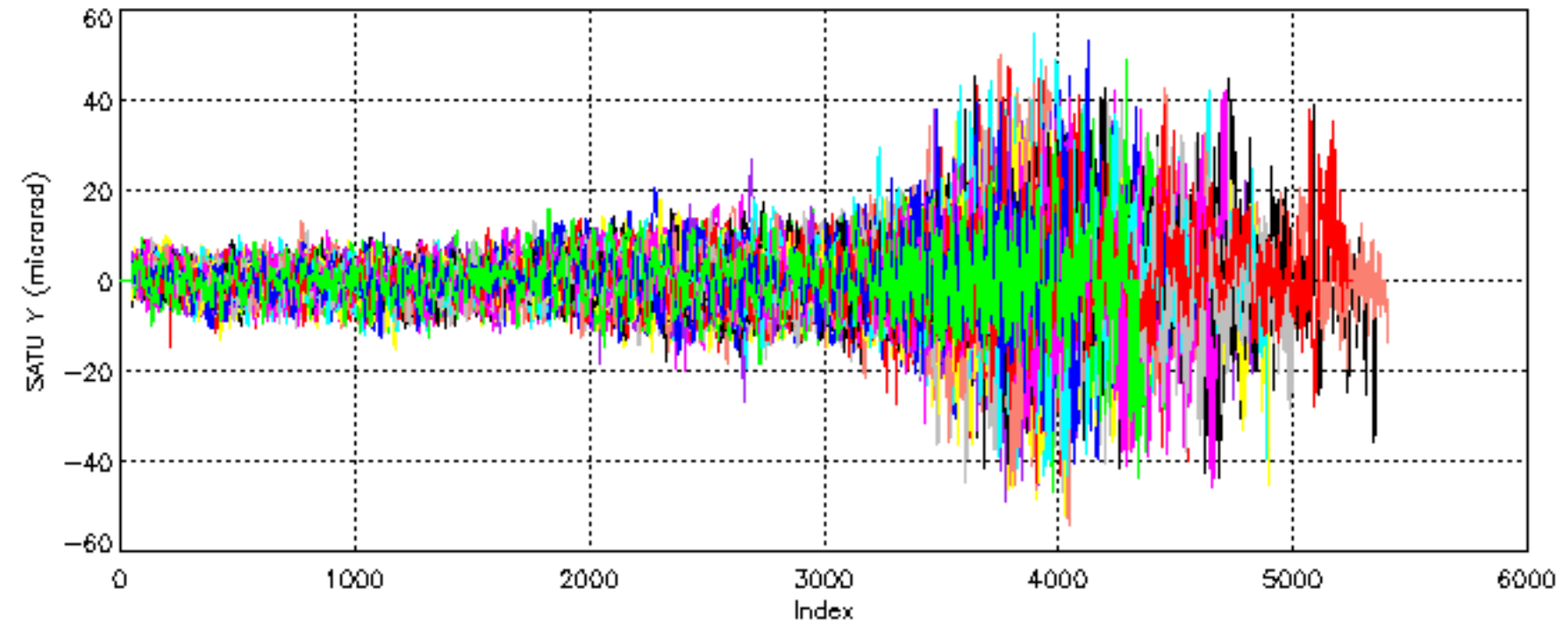
Tangent altitude at which the star is lost

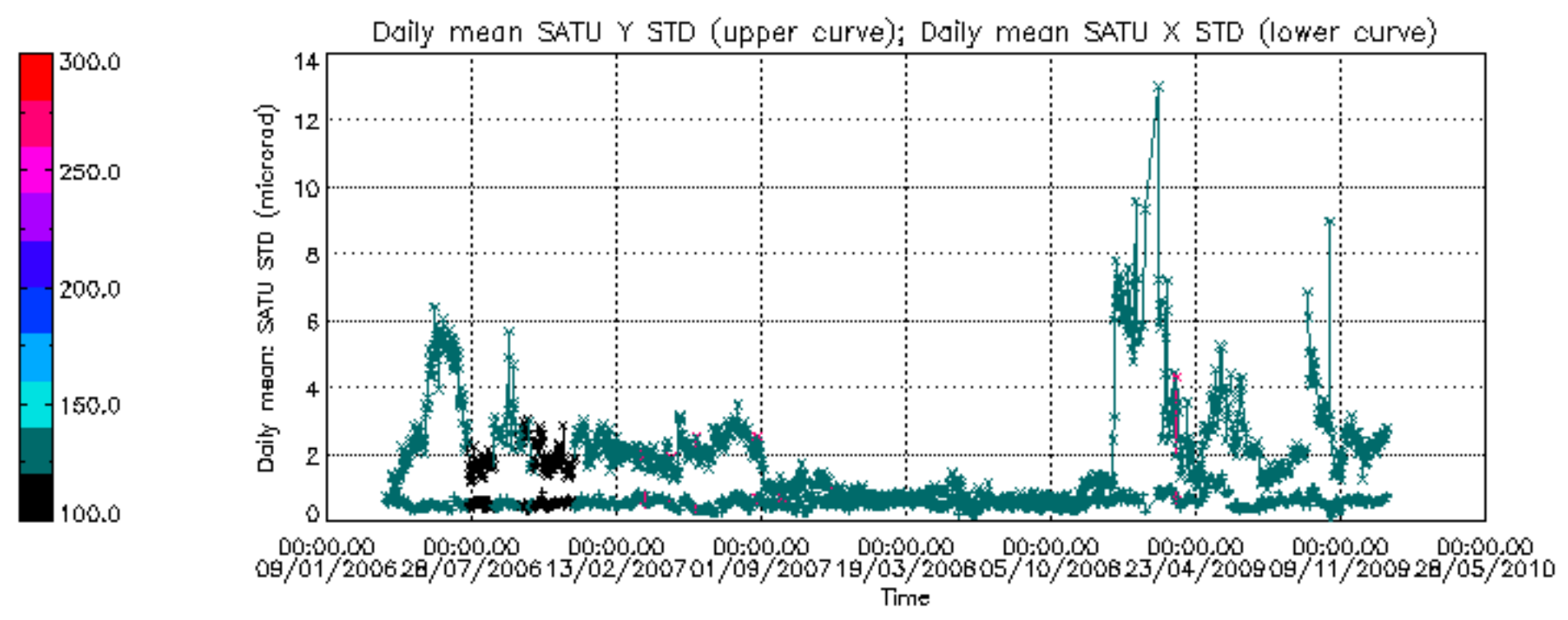


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100101_001436_000059322085_00345_40980_9243.N1

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
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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
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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
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16;	1581.5;	01-JAN-2010	02:32:56;	Dark	;	39.5;	1;	9Alp CMA	;	-1.44;	11000;	occ;	79;	0;	40982
17;	1731.0;	01-JAN-2010	02:35:25;	Dark	;	41.5;	56;	53Kap Ori	;	2.07;	30000;	occ;	83;	0;	40982
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19;	2032.7;	01-JAN-2010	02:40:27;	Dark	;	50.5;	14;	58Alp Ori	;	0.87;	3000;	occ;	101;	0;	40982
20;	2228.8;	01-JAN-2010	02:43:43;	Dark	;	50.0;	44;	24Gam Gem	;	1.93;	11000;	occ;	100;	0;	40982
21;	2327.1;	01-JAN-2010	02:45:22;	Bright;	;	46.5;	151;	13Mu Gem	;	2.89;	3000;	occ;	93;	0;	40982
22;	2566.5;	01-JAN-2010	02:49:21;	Bright;	;	39.5;	107;	37The Aur	;	2.65;	11000;	occ;	79;	0;	40982
23;	2692.2;	01-JAN-2010	02:51:27;	Bright;	;	42.5;	6;	13Alp Aur	;	0.08;	3400;	occ;	85;	0;	40982
24;	3690.9;	01-JAN-2010	03:08:05;	Bright;	;	39.5;	60;	7Bet UMi	;	2.08;	3950;	occ;	79;	0;	40982

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2;	-1927.2;	01-JAN-2010	03:15:03;	Bright;	;	66.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	132;	0;	40982
3;	-1682.7;	01-JAN-2010	03:19:08;	Bright;	;	62.0;	180;	27Gam Boo	;	3.04;	8000;	occ;	124;	0;	40982
4;	-1461.4;	01-JAN-2010	03:22:49;	Bright;	;	42.0;	83;		;	2.38;	11000;	occ;	84;	0;	40982
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7;	-841.1;	01-JAN-2010	03:33:09;	Bright;	;	45.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	90;	0;	40982
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9;	-267.8;	01-JAN-2010	03:42:43;	Dark	;	47.5;	54;	5The Cen	;	2.06;	4500;	occ;	95;	0;	40982
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29; 2692.4; 01-JAN-2010 04:32:03; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;40983
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15; 3906.5; 01-JAN-2010 21:38:16; Bright; 46.5; 32; 77Eps UMa ; 1.76; 11000;occ; 93; 0;40993
16; 4106.3; 01-JAN-2010 21:41:36; Bright; 53.0; 39; 85Eta UMa ; 1.85; 24000;occ; 106; 0;40993
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27; 4577.1; 01-JAN-2010 23:30:03; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;40994
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5; 1439.4; 02-JAN-2010 20:25:32; Dark ; 43.5; 179; 240mi2CMA ; 3.03; 24000;occ; 87; 0;41007
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14; 4103.5; 02-JAN-2010 21:09:56; Bright; 48.5; 39; 85Eta UMa ; 1.85; 24000;occ; 97; 0;41007
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23; 3900.4; 02-JAN-2010 22:47:09; Bright; 58.0; 32; 77Eps UMa ; 1.76; 11000;occ; 116; 0;41008
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21;	3899.8;	03-JAN-2010	00:27:45;	Bright;	;	49.0;	32;	77Eps UMA	;	1.76;	11000;occ;	98;	0;41009
22;	4103.0;	03-JAN-2010	00:31:08;	Bright;	;	45.5;	39;	85Eta UMA	;	1.85;	24000;occ;	91;	0;41009
23;	4353.7;	03-JAN-2010	00:35:18;	Bright;	;	63.0;	180;	27Gam Boo	;	3.04;	8000;occ;	126;	0;41009
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22;	1437.4;	02-JAN-2010	07:00:43;	Dark	;	44.0;	179;	240mi2CMA	;	3.03;	24000;occ;	88;	0;40999
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4;	2223.4;	02-JAN-2010	07:13:49;	Dark	;	45.5;	44;	24Gam Gem	;	1.93;	11000;occ;	91;	0;40999
5;	2322.2;	02-JAN-2010	07:15:28;	Bright;	;	47.5;	151;	13Mu Gem	;	2.89;	3000;occ;	95;	0;40999
6;	2562.7;	02-JAN-2010	07:19:28;	Bright;	;	38.5;	107;	37The Aur	;	2.65;	11000;occ;	77;	0;40999
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22; 6799.4; 03-JAN-2010 11:19:40; Dark ; 40.0; 46; Del Vel ; 1.95; 10600;occ; 80; 0;41015
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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
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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
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7; 3687.4; 03-JAN-2010 12:08:24; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41016
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16; 5375.6; 03-JAN-2010 12:36:32; Dark ; 44.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 88; 0;41016
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23; 6685.7; 03-JAN-2010 12:58:22; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;41016
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26; 7101.6; 03-JAN-2010 13:05:18; Dark ; 42.5; 70; Zet Pup ; 2.25; 39000;occ; 85; 0;41016
27; 7221.2; 03-JAN-2010 13:07:17; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;41016
28; 7386.1; 03-JAN-2010 13:10:02; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;41016
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6; 2692.4; 03-JAN-2010 13:32:24; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;41017
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13; 4787.2; 03-JAN-2010 14:07:19; Bright; 52.0; 3; 16Alp Boo ;-0.05; 4250;occ; 104; 0;41017
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 22; 6544.9; 03-JAN-2010 14:36:37; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;41017
 23; 6686.1; 03-JAN-2010 14:38:58; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;41017
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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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 5; 2217.9; 03-JAN-2010 15:05:06; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;41018
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 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
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 15; 4787.8; 03-JAN-2010 15:47:56; Bright; 44.0; 3; 16Alp Boo ;-0.05; 4250;occ; 88; 0;41018
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14; 4100.3; 03-JAN-2010 18:57:40; Bright; 44.5; 39; 85Eta UMa ; 1.85; 24000;occ; 89; 0;41020
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12; 1075.6; 05-JAN-2010 00:18:02; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;41038
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14; 1355.7; 05-JAN-2010 00:22:42; Dark ; 43.5; 23; 21Eps CMa ; 1.50; 26000;occ; 87; 0;41038
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 19; 2311.8; 05-JAN-2010 00:38:38; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;41038
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 22; 3684.5; 05-JAN-2010 01:01:31; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;41038
 23; 3951.8; 05-JAN-2010 01:05:58; Bright; 50.0; 55; 79Zet UMa ; 2.06; 10200;occ; 100; 0;41038
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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
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 13; 517.9; 04-JAN-2010 07:22:45; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;41028
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 9; 4098.5; 04-JAN-2010 08:22:26; Bright; 68.0; 39; 85Eta UMa ; 1.85; 24000;occ; 136; 0;41028
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 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
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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;	240mi2CMA	;	3.03;	24000;occ;	83;	0;	41070
22;	1592.6;	07-JAN-2010	06:05:49;	Dark	;	46.5;	1;	9Alp CMA	;	-1.44;	11000;occ;	93;	0;	41070
23;	2031.0;	07-JAN-2010	06:13:07;	Dark	;	53.0;	14;	58Alp Ori	;	0.87;	3000;occ;	106;	0;	41070
24;	2205.1;	07-JAN-2010	06:16:01;	Dark	;	45.5;	44;	24Gam Gem	;	1.93;	11000;occ;	91;	0;	41070
25;	2305.6;	07-JAN-2010	06:17:42;	Bright;		47.0;	151;	13Mu Gem	;	2.89;	3000;occ;	94;	0;	41070
26;	2549.6;	07-JAN-2010	06:21:46;	Bright;		37.5;	107;	37The Aur	;	2.65;	11000;occ;	75;	0;	41070
27;	2682.5;	07-JAN-2010	06:23:59;	Bright;		36.5;	42;	34Bet Aur	;	1.90;	10200;occ;	73;	0;	41070

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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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 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
 7; 3680.4; 07-JAN-2010 11:42:25; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41073
 8; 3924.6; 07-JAN-2010 11:46:29; Bright; 33.0; 119; 14Eta Dra ; 2.73; 4700;occ; 66; 0;41073
 9; 4086.8; 07-JAN-2010 11:49:11; Bright; 50.0; 39; 85Eta UMa ; 1.85; 24000;occ; 100; 0;41073
 10; 4355.1; 07-JAN-2010 11:53:39; Bright; 67.0; 180; 27Gam Boo ; 3.04; 8000;occ; 134; 0;41073
 11; 4595.4; 07-JAN-2010 11:57:40; Bright; 67.0; 83; ; 2.38; 11000;occ; 134; 0;41073
 12; 4921.4; 07-JAN-2010 12:03:06; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;41073
 13; 5241.7; 07-JAN-2010 12:08:26; Dark ; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;41073
 14; 5415.4; 07-JAN-2010 12:11:20; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;41073
 15; 5839.5; 07-JAN-2010 12:18:24; Dark ; 46.0; 54; 5The Cen ; 2.06; 4500;occ; 92; 0;41073
 16; 5993.7; 07-JAN-2010 12:20:58; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;41073
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 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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1; -2374.6; 16-JAN-2010 03:36:20; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;41197
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 3; -1958.4; 16-JAN-2010 03:43:17; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;41197
 4; -1581.1; 16-JAN-2010 03:49:34; Bright; 34.5; 133; 40Zet Her ; 2.81; 6000;occ; 69; 0;41197
 5; -1394.0; 16-JAN-2010 03:52:41; Bright; 55.0; 127; 27Bet Her ; 2.78; 4700;occ; 110; 0;41197
 6; -1060.6; 16-JAN-2010 03:58:14; Bright; 50.5; 102; 24Alp Ser ; 2.60; 4250;occ; 101; 0;41197
 7; -933.3; 16-JAN-2010 04:00:22; Bright; 53.5; 120; 1Del Oph ; 2.73; 3200;occ; 107; 0;41197
 8; -852.6; 16-JAN-2010 04:01:42; Bright; 54.0; 98; 13Zet Oph ; 2.57; 30000;occ; 108; 0;41197
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 11; -79.6; 16-JAN-2010 04:14:35; Dark ; 54.5; 54; 5The Cen ; 2.06; 4500;occ; 109; 0;41197
 12; 81.7; 16-JAN-2010 04:17:17; Dark ; 48.5; 4; Alp1Cen ; -0.01; 5800;occ; 97; 0;41198
 13; 294.6; 16-JAN-2010 04:20:50; Dark ; 51.0; 20; Bet Cru ; 1.25; 30000;occ; 102; 0;41198
 14; 413.3; 16-JAN-2010 04:22:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41198
 15; 539.7; 16-JAN-2010 04:24:55; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41198
 16; 619.9; 16-JAN-2010 04:26:15; Dark ; 45.5; 29; Bet Car ; 1.67; 10200;occ; 91; 0;41198
 17; 736.7; 16-JAN-2010 04:28:12; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;41198
 18; 848.6; 16-JAN-2010 04:30:04; Dark ; 45.0; 46; Del Vel ; 1.95; 10600;occ; 90; 0;41198
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 21; 1239.0; 16-JAN-2010 04:36:34; Dark ; 43.0; 117; Pi Pup ; 2.71; 3800;occ; 86; 0;41198
 22; 1391.9; 16-JAN-2010 04:39:07; Dark ; 44.0; 23; 21Eps CMa ; 1.50; 26000;occ; 88; 0;41198
 23; 1477.1; 16-JAN-2010 04:40:32; Dark ; 40.0; 179; 24Omi2CMa ; 3.03; 24000;occ; 80; 0;41198
 24; 1610.0; 16-JAN-2010 04:42:45; Dark ; 46.5; 1; 9Alp CMa ; -1.44; 11000;occ; 93; 0;41198
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 26; 2188.1; 16-JAN-2010 04:52:23; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;41198
 27; 2291.6; 16-JAN-2010 04:54:07; Bright; 43.5; 151; 13Mu Gem ; 2.89; 3000;occ; 87; 0;41198
 28; 2540.6; 16-JAN-2010 04:58:16; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;41198
 29; 2671.5; 16-JAN-2010 05:00:26; Bright; 36.0; 42; 34Bet Aur ; 1.90; 10200;occ; 72; 0;41198
 30; 3425.5; 16-JAN-2010 05:13:01; Bright; 39.0; 49; 1Alp UMi ; 1.99; 6300;occ; 78; 0;41198
 31; 3661.7; 16-JAN-2010 05:16:57; Bright; 21.0; 60; 7Bet UMi ; 2.08; 3950;occ; 42; 0;41198

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11;	-161.3;	16-JAN-2010	05:53:50;	Dark	;	41.5;	109;	Bet Lup	;	2.68;	26000;occ;	83;	0;	41198
12;	-78.5;	16-JAN-2010	05:55:12;	Dark	;	50.5;	54;	5The Cen	;	2.06;	4500;occ;	101;	0;	41198
13;	82.1;	16-JAN-2010	05:57:53;	Dark	;	54.0;	4;	Alp1Cen	;	-0.01;	5800;occ;	108;	0;	41199
14;	295.3;	16-JAN-2010	06:01:26;	Dark	;	41.5;	20;	Bet Cru	;	1.25;	30000;occ;	83;	0;	41199
15;	414.2;	16-JAN-2010	06:03:25;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41199
16;	540.4;	16-JAN-2010	06:05:31;	Dark	;	39.5;	124;	The Car	;	2.76;	30000;occ;	79;	0;	41199
17;	621.7;	16-JAN-2010	06:06:53;	Dark	;	46.0;	29;	Bet Car	;	1.67;	10200;occ;	92;	0;	41199
18;	737.3;	16-JAN-2010	06:08:48;	Dark	;	39.5;	71;	Iot Car	;	2.25;	7700;occ;	79;	0;	41199
19;	849.0;	16-JAN-2010	06:10:40;	Dark	;	41.0;	46;	Del Vel	;	1.95;	10600;occ;	82;	0;	41199
20;	1011.6;	16-JAN-2010	06:13:23;	Dark	;	45.0;	34;	Gam2Vel	;	1.79;	23000;occ;	90;	0;	41199
21;	1140.0;	16-JAN-2010	06:15:31;	Dark	;	43.0;	70;	Zet Pup	;	2.25;	39000;occ;	86;	0;	41199
22;	1239.3;	16-JAN-2010	06:17:10;	Dark	;	43.5;	117;	Pi Pup	;	2.71;	3800;occ;	87;	0;	41199
23;	1392.1;	16-JAN-2010	06:19:43;	Dark	;	43.0;	23;	21Eps CMA	;	1.50;	26000;occ;	86;	0;	41199
24;	1477.1;	16-JAN-2010	06:21:08;	Dark	;	41.0;	179;	240mi2CMA	;	3.03;	24000;occ;	82;	0;	41199
25;	1610.0;	16-JAN-2010	06:23:21;	Dark	;	48.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	96;	0;	41199
26;	2040.0;	16-JAN-2010	06:30:31;	Dark	;	44.0;	14;	58Alp Ori	;	0.87;	3000;occ;	88;	0;	41199
27;	2188.1;	16-JAN-2010	06:32:59;	Dark	;	36.5;	44;	24Gam Gem	;	1.93;	11000;occ;	73;	0;	41199
28;	2291.3;	16-JAN-2010	06:34:42;	Bright;	;	53.0;	151;	13Mu Gem	;	2.89;	3000;occ;	106;	0;	41199
29;	2540.5;	16-JAN-2010	06:38:51;	Bright;	;	37.0;	107;	37The Aur	;	2.65;	11000;occ;	74;	0;	41199
30;	2671.4;	16-JAN-2010	06:41:02;	Bright;	;	37.0;	42;	34Bet Aur	;	1.90;	10200;occ;	74;	0;	41199
31;	3425.3;	16-JAN-2010	06:53:36;	Bright;	;	38.0;	49;	1Alp UMi	;	1.99;	6300;occ;	76;	0;	41199
32;	3661.3;	16-JAN-2010	06:57:32;	Bright;	;	17.0;	60;	7Bet UMi	;	2.08;	3950;occ;	34;	0;	41199
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1;	867.3;	16-JAN-2010	19:35:46;	Dark	;	42.5;	46;	Del Vel	;	1.95;	10600;occ;	85;	30;	41207
2;	1014.4;	16-JAN-2010	19:38:13;	Dark	;	42.5;	34;	Gam2Vel	;	1.79;	23000;occ;	85;	0;	41207
3;	1142.5;	16-JAN-2010	19:40:21;	Dark	;	42.5;	70;	Zet Pup	;	2.25;	39000;occ;	85;	0;	41207
4;	1241.1;	16-JAN-2010	19:42:00;	Dark	;	46.5;	117;	Pi Pup	;	2.71;	3800;occ;	93;	0;	41207
5;	1393.7;	16-JAN-2010	19:44:32;	Dark	;	42.5;	23;	21Eps CMA	;	1.50;	26000;occ;	85;	0;	41207
6;	1478.5;	16-JAN-2010	19:45:57;	Dark	;	39.5;	179;	240mi2CMA	;	3.03;	24000;occ;	79;	0;	41207
7;	1611.1;	16-JAN-2010	19:48:10;	Dark	;	36.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	72;	0;	41207
8;	2040.9;	16-JAN-2010	19:55:19;	Dark	;	47.5;	14;	58Alp Ori	;	0.87;	3000;occ;	95;	0;	41207
9;	2187.6;	16-JAN-2010	19:57:46;	Dark	;	54.0;	44;	24Gam Gem	;	1.93;	11000;occ;	108;	0;	41207
10;	2291.2;	16-JAN-2010	19:59:30;	Bright;	;	43.0;	151;	13Mu Gem	;	2.89;	3000;occ;	86;	0;	41207
11;	2540.7;	16-JAN-2010	20:03:39;	Bright;	;	37.0;	107;	37The Aur	;	2.65;	11000;occ;	74;	0;	41207
12;	2671.5;	16-JAN-2010	20:05:50;	Bright;	;	38.0;	42;	34Bet Aur	;	1.90;	10200;occ;	76;	0;	41207
13;	3425.1;	16-JAN-2010	20:18:24;	Bright;	;	37.0;	49;	1Alp UMi	;	1.99;	6300;occ;	74;	0;	41207
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15;	3920.9;	16-JAN-2010	20:26:39;	Bright;	;	54.0;	119;	14Eta Dra	;	2.73;	4700;occ;	108;	0;	41207
16;	4078.4;	16-JAN-2010	20:29:17;	Bright;	;	33.5;	130;	23Bet Dra	;	2.80;	5800;occ;	67;	0;	41207
17;	4456.3;	16-JAN-2010	20:35:35;	Bright;	;	36.5;	133;	40Zet Her	;	2.81;	6000;occ;	73;	0;	41207
18;	4644.3;	16-JAN-2010	20:38:43;	Bright;	;	37.0;	127;	27Bet Her	;	2.78;	4700;occ;	74;	0;	41207
19;	4980.5;	16-JAN-2010	20:44:19;	Bright;	;	63.0;	102;	24Alp Ser	;	2.60;	4250;occ;	126;	0;	41207
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3;	-581.1;	16-JAN-2010	20:52:13;	Dark	;	53.0;	16;	21Alp Sco	;	1.02;	3000;occ;	106;	0;	41207
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5;	-155.2;	16-JAN-2010	20:59:19;	Dark	;	40.0;	109;	Bet Lup	;	2.68;	26000;occ;	80;	0;	41207
6;	-69.3;	16-JAN-2010	21:00:45;	Dark	;	31.0;	54;	5The Cen	;	2.06;	4500;occ;	62;	0;	41207
7;	86.2;	16-JAN-2010	21:03:21;	Dark	;	40.5;	4;	Alp1Cen	;	-0.01;	5800;occ;	81;	0;	41208
8;	300.9;	16-JAN-2010	21:06:55;	Dark	;	44.5;	20;	Bet Cru	;	1.25;	30000;occ;	89;	0;	41208
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
15;	1143.1;	16-JAN-2010	21:20:57;	Dark	;	42.0;	70;	Zet Pup	;	2.25;	39000;occ;	84;	0;	41208
16;	1241.5;	16-JAN-2010	21:22:36;	Dark	;	43.0;	117;	Pi Pup	;	2.71;	3800;occ;	86;	0;	41208
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19;	1611.3;	16-JAN-2010	21:28:46;	Dark	;	36.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	72;	0;	41208
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23;	2540.5;	16-JAN-2010	21:44:15;	Bright;	;	38.0;	107;	37The Aur	;	2.65;	11000;occ;	76;	0;	41208

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 33; 5187.4; 16-JAN-2010 22:28:22; Bright; 50.5; 98; 13Zet Oph ; 2.57; 30000;occ; 101; 0;41208

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 7; 423.5; 16-JAN-2010 22:49:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41209
 8; 545.2; 16-JAN-2010 22:51:35; Dark ; 39.5; 124; The Car ; 2.76; 30000;occ; 79; 0;41209
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23; 2549.6; 25-JAN-2010 06:56:15; Bright; 29.0; 107; 37The Aur ; 2.65; 11000;occ; 58; 0;41328
24; 2677.6; 25-JAN-2010 06:58:23; Bright; 35.0; 42; 34Bet Aur ; 1.90; 10200;occ; 70; 0;41328
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4; 1270.4; 25-JAN-2010 19:59:43; Dark ; 44.0; 117; Pi Pup ; 2.71; 3800;occ; 88; 0;41336
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13; 3634.4; 25-JAN-2010 20:39:07; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;41336
14; 3909.3; 25-JAN-2010 20:43:42; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;41336
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6; -58.9; 25-JAN-2010 21:18:10; Dark ; 43.0; 109; Bet Lup ; 2.68; 26000;occ; 86; 0;41336
7; 29.2; 25-JAN-2010 21:19:38; Dark ; 44.0; 78; Alp Lup ; 2.30; 28000;occ; 88; 0;41337
8; 148.3; 25-JAN-2010 21:21:37; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;41337
9; 242.8; 25-JAN-2010 21:23:12; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;41337
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13; 792.8; 25-JAN-2010 21:32:22; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;41337
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22; 2296.5; 25-JAN-2010 21:57:25; Bright; 40.0; 151; 13Mu Gem ; 2.89; 3000;occ; 80; 0;41337
23; 2410.9; 25-JAN-2010 21:59:20; Bright; 44.0; 17; 78Bet Gem ; 1.16; 4500;occ; 88; 0;41337

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 27; 3909.0; 25-JAN-2010 22:24:18; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41337
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 21; 2411.0; 25-JAN-2010 23:39:56; Bright; 43.5; 17; 78Bet Gem ; 1.16; 4500;occ; 87; 0;41338
 22; 2678.3; 25-JAN-2010 23:44:23; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41338
 23; 3426.7; 25-JAN-2010 23:56:51; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;41338
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 25; 3909.2; 26-JAN-2010 00:04:54; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;41338
 26; 4086.0; 26-JAN-2010 00:07:51; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;41338
 27; 4474.8; 26-JAN-2010 00:14:19; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;41338
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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
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3; 2191.0; 27-JAN-2010 10:48:50; Bright; 42.0; 44; 24Gam Gem ; 1.93; 11000;occ; 84; 0;41359
4; 2298.8; 27-JAN-2010 10:50:38; Bright; 40.5; 151; 13Mu Gem ; 2.89; 3000;occ; 81; 0;41359
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8; 4086.6; 27-JAN-2010 13:01:01; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;41360
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29; 7225.3; 27-JAN-2010 15:33:56; Dark ; 40.5; 70; Zet Pup ; 2.25; 39000;occ; 81; 0;41361

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14; 5285.6; 27-JAN-2010 16:42:12; Dark ; 43.0; 86; 35Eta Oph ; 2.43; 10200;occ; 86; 0;41362
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 5; 2460.7; 29-JAN-2010 14:51:53; Bright; 39.5; 24; 66Alp Gem ; 1.58; 10200;occ; 79; 0;41390

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7; 3900.4; 30-JAN-2010 08:01:52; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;41400
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11; 4790.6; 30-JAN-2010 08:16:43; Bright; 54.0; 59; 55Alp Oph ; 2.08; 8900;occ; 108; 0;41400
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23; 6737.8; 30-JAN-2010 13:50:57; Dark ; 41.0; 159; Ups Car ; 2.92; 7200;occ; 82; 0;41403
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