

GOMOS Daily Report 19-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	21JAN2010 04:37:00
Data source version	GOMOS/5.00L04
Start time of products	19JAN2010 00:01:32
Stop time of products	19JAN2010 23:56:17
Store outputs in DB	Yes
Nb of level 1b prods	179
Nb of prods with errors	1

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

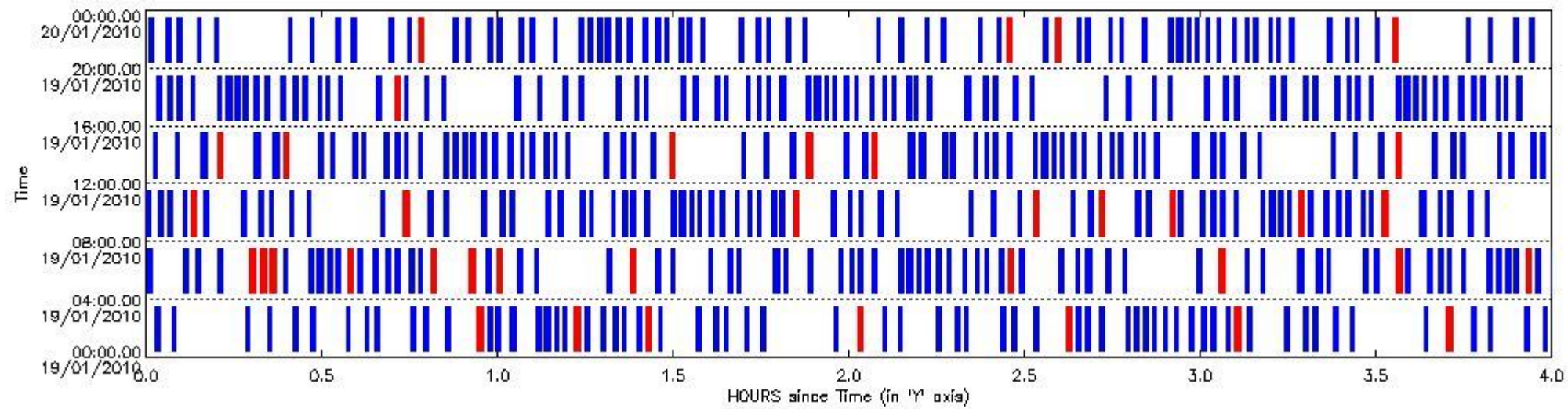
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
19-JAN-2010 00:56:28	GamLup	131	41238
19-JAN-2010 01:13:08	lotCar	71	41239
19-JAN-2010 01:25:18	24Omi2CMa	179	41239
19-JAN-2010 02:01:27	7BetUMi	60	41239
19-JAN-2010 02:37:05	GamLup	131	41239
19-JAN-2010 03:05:54	24Omi2CMa	179	41240
19-JAN-2010 03:42:03	7BetUMi	60	41240
19-JAN-2010 04:17:41	GamLup	131	41240
19-JAN-2010 04:19:33	BetLup	109	41240
19-JAN-2010 04:21:03	AlpLup	78	41240
19-JAN-2010 04:34:21	lotCar	71	41241
19-JAN-2010 04:48:42	9AlpCMa	1	41241
19-JAN-2010 04:55:10	10AlpCMi	8	41241
19-JAN-2010 04:59:56	13MuGem	151	41241
19-JAN-2010 05:22:39	7BetUMi	60	41241

19-JAN-2010 06:27:06	24Omi2CMa	179	41242
19-JAN-2010 07:03:15	7BetUMi	60	41242
19-JAN-2010 07:33:31	21AlpSco	16	41242
19-JAN-2010 07:55:33	lotCar	71	41243
19-JAN-2010 08:07:42	24Omi2CMa	179	41243
19-JAN-2010 08:43:50	7BetUMi	60	41243
19-JAN-2010 09:50:30	9AlpCMa	1	41244
19-JAN-2010 10:31:34	23BetDra	130	41244
19-JAN-2010 10:42:46	55AlpOph	59	41244
19-JAN-2010 10:54:44	21AlpSco	16	41244
19-JAN-2010 11:16:46	lotCar	71	41245
19-JAN-2010 11:31:06	9AlpCMa	1	41245
19-JAN-2010 12:12:10	23BetDra	130	41245
19-JAN-2010 12:23:22	55AlpOph	59	41245
19-JAN-2010 13:29:17	34BetAur	42	41246
19-JAN-2010 13:52:46	23BetDra	130	41246
19-JAN-2010 14:03:59	55AlpOph	59	41246
19-JAN-2010 15:33:22	23BetDra	130	41247
19-JAN-2010 16:42:23	24GamGem	44	41248
19-JAN-2010 20:46:23	55AlpOph	59	41250
19-JAN-2010 22:26:59	55AlpOph	59	41251
19-JAN-2010 22:35:10	35EtaOph	86	41251
19-JAN-2010 23:32:53	34BetAur	42	41252

2.4 Summary of processed GOM_TRA_1P products

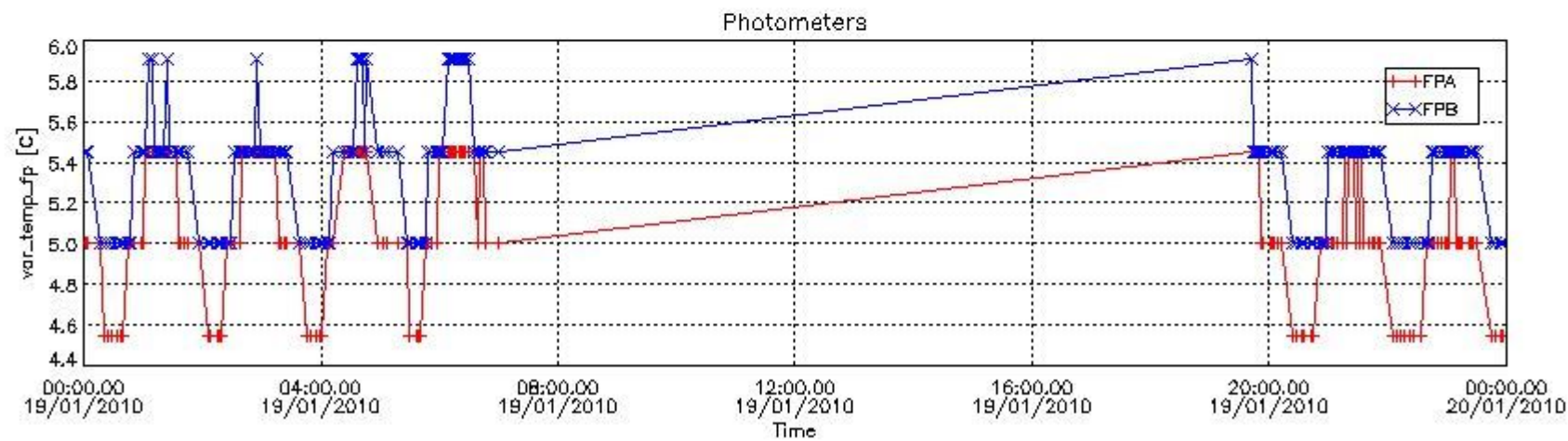
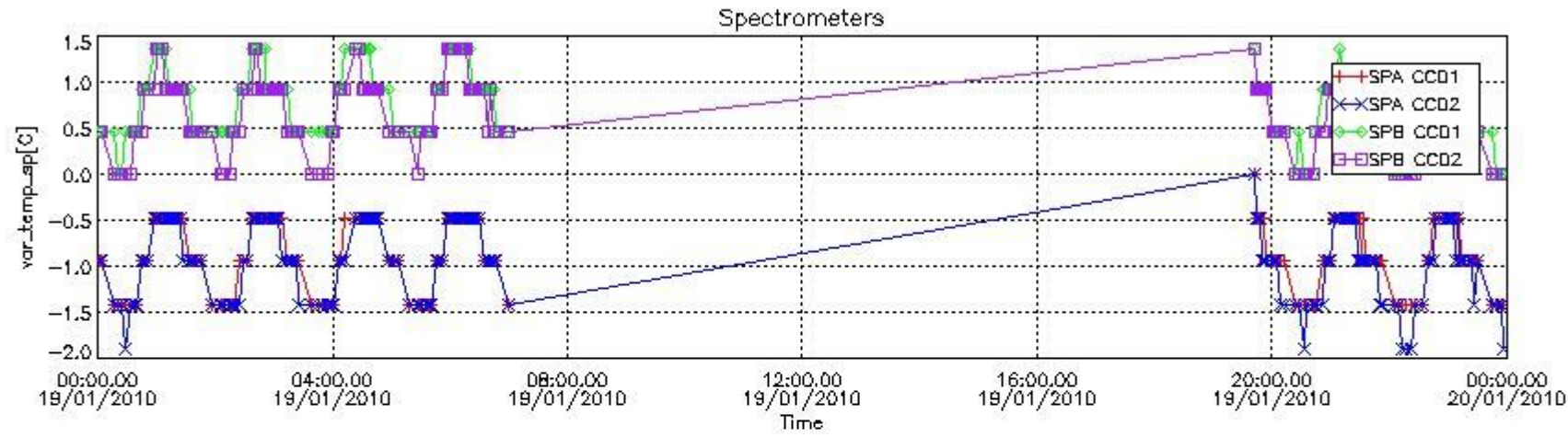
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100119_000132_000000422086_00102_41238_5315.N1	19-JAN-2010 00:01:32	Bright	42.000	24	66Alp Gem	1.5800	10200.	84	41238	No
2	GOM_TRA_1PNPDE20100119_000424_000000392086_00102_41238_5316.N1	19-JAN-2010 00:04:24	Bright	38.500	42	34Bet Aur	1.9000	10200.	77	41238	No
3	GOM_TRA_1PNPDE20100119_001657_000000352086_00102_41238_5317.N1	19-JAN-2010 00:16:57	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	41238	No
4	GOM_TRA_1PNPDE20100119_002046_000000402086_00102_41238_5318.N1	19-JAN-2010 00:20:46	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	41238	No
5	GOM_TRA_1PNPDE20100119_002511_000000412086_00102_41238_5319.N1	19-JAN-2010 00:25:11	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	41238	No
6	GOM_TRA_1PNPDE20100119_002753_000000522086_00102_41238_5320.N1	19-JAN-2010 00:27:53	Bright	52.000	130	23Bet Dra	2.7990	5800.0	104	41238	No
7	GOM_TRA_1PNPDE20100119_003413_000000382086_00102_41238_5321.N1	19-JAN-2010 00:34:13	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	41238	No
8	GOM_TRA_1PNPDE20100119_003723_000000392086_00102_41238_5322.N1	19-JAN-2010 00:37:23	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	41238	No
9	GOM_TRA_1PNPDE20100119_003904_000000522086_00102_41238_5323.N1	19-JAN-2010 00:39:04	Bright	52.000	59	55Alp Oph	2.0800	8900.0	104	41238	No
10	GOM_TRA_1PNPDE20100119_004514_000000382086_00102_41238_5324.N1	19-JAN-2010 00:45:14	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	41238	No
11	GOM_TRA_1PNPDE20100119_004713_000000522086_00102_41238_5325.N1	19-JAN-2010 00:47:13	Bright	51.500	86	35Eta Oph	2.4300	10200.	103	41238	No
12	GOM_TRA_1PNPDE20100119_005100_000000502086_00102_41238_5321.N1	19-JAN-2010 00:51:00	Twilight	50.000	16	21Alp Sco	1.0200	3000.0	100	41238	No
13	GOM_TRA_1PNPDE20100119_005814_000000462086_00102_41238_5322.N1	19-JAN-2010 00:58:14	Dark	45.500	109	Bet Lup	2.6770	26000.	91	41238	No
14	GOM_TRA_1PNPDE20100119_005944_000000422086_00102_41238_5323.N1	19-JAN-2010 00:59:44	Dark	42.000	78	Alp Lup	2.3040	28000.	84	41238	No
15	GOM_TRA_1PNPDE20100119_010208_000000522086_00103_41239_5324.N1	19-JAN-2010 01:02:08	Dark	52.000	4	Alp1Cen	-0.010000	5800.0	104	41239	No
16	GOM_TRA_1PNPDE20100119_010636_000000452086_00103_41239_5325.N1	19-JAN-2010 01:06:36	Dark	45.000	12	Alp1Cru	0.77500	30000.	90	41239	No
17	GOM_TRA_1PNPDE20100119_010947_000000382086_00103_41239_5326.N1	19-JAN-2010 01:09:47	Dark	37.500	124	The Car	2.7640	30000.	75	41239	No
18	GOM_TRA_1PNPDE20100119_011109_000000382086_00103_41239_5327.N1	19-JAN-2010 01:11:09	Dark	38.000	159	Ups Car	2.9200	7200.0	76	41239	No
19	GOM_TRA_1PNPDE20100119_011453_000000432086_00103_41239_5328.N1	19-JAN-2010 01:14:53	Dark	42.500	46	Del Vel	1.9540	10600.	85	41239	No
20	GOM_TRA_1PNPDE20100119_011733_000000432086_00103_41239_5329.N1	19-JAN-2010 01:17:33	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	41239	No
21	GOM_TRA_1PNPDE20100119_011941_000000432086_00103_41239_5330.N1	19-JAN-2010 01:19:41	Dark	43.000	70	Zet Pup	2.2460	39000.	86	41239	No
22	GOM_TRA_1PNPDE20100119_012117_000000432086_00103_41239_5331.N1	19-JAN-2010 01:21:17	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	41239	No
23	GOM_TRA_1PNPDE20100119_012348_000000452086_00103_41239_5332.N1	19-JAN-2010 01:23:48	Straylight	44.500	23	21Eps CMa	1.5020	26000.	89	41239	No
24	GOM_TRA_1PNPDE20100119_012724_000000452086_00103_41239_5333.N1	19-JAN-2010 01:27:24	Straylight	45.000	1	9Alp CMa	-1.4400	11000.	90	41239	No
25	GOM_TRA_1PNPDE20100119_013352_000000522086_00103_41239_5334.N1	19-JAN-2010 01:33:52	Tw_i_and_stray	51.500	8	10Alp CMi	0.40000	6500.0	103	41239	No
26	GOM_TRA_1PNPDE20100119_013654_000000532086_00103_41239_5335.N1	19-JAN-2010 01:36:54	Bright	53.000	44	24Gam Gem	1.9280	11000.	106	41239	No
27	GOM_TRA_1PNPDE20100119_013839_000000432086_00103_41239_5336.N1	19-JAN-2010 01:38:39	Bright	42.500	151	13Mu Gem	2.8900	3000.0	85	41239	No
28	GOM_TRA_1PNPDE20100119_014207_000000442086_00103_41239_5337.N1	19-JAN-2010 01:42:07	Bright	44.000	24	66Alp Gem	1.5800	10200.	88	41239	No
29	GOM_TRA_1PNPDE20100119_014459_000000372086_00103_41239_5338.N1	19-JAN-2010 01:44:59	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41239	No
30	GOM_TRA_1PNPDE20100119_015733_000000322086_00103_41239_5339.N1	19-JAN-2010 01:57:33	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	41239	No
31	GOM_TRA_1PNPDE20100119_020547_000000392086_00103_41239_5340.N1	19-JAN-2010 02:05:47	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	41239	No

32	GOM_TRA_1PNPDE20100119_020829_000000362086_00103_41239_5341.N1	19-JAN-2010 02:08:29	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	41239	No
33	GOM_TRA_1PNPDE20100119_021449_000000552086_00103_41239_5342.N1	19-JAN-2010 02:14:49	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	41239	No
34	GOM_TRA_1PNPDE20100119_021800_000000572086_00103_41239_5343.N1	19-JAN-2010 02:18:00	Bright	57.000	127	27Bet Her	2.7810	4700.0	114	41239	No
35	GOM_TRA_1PNPDE20100119_021940_000000372086_00103_41239_5344.N1	19-JAN-2010 02:19:40	Bright	37.000	59	55Alp Oph	2.0800	8900.0	74	41239	No
36	GOM_TRA_1PNPDE20100119_022550_000000522086_00103_41239_5339.N1	19-JAN-2010 02:25:50	Bright	52.000	120	1Del Oph	2.7340	3200.0	104	41239	No
37	GOM_TRA_1PNPDE20100119_022750_000000522086_00103_41239_5340.N1	19-JAN-2010 02:27:50	Bright	52.000	86	35Eta Oph	2.4300	10200.	104	41239	No
38	GOM_TRA_1PNPDE20100119_023136_000000472086_00103_41239_5341.N1	19-JAN-2010 02:31:36	Twilight	46.500	16	21Alp Sco	1.0200	3000.0	93	41239	No
39	GOM_TRA_1PNPDE20100119_023851_000000412086_00103_41239_5342.N1	19-JAN-2010 02:38:51	Dark	41.000	109	Bet Lup	2.6770	26000.	82	41239	No
40	GOM_TRA_1PNPDE20100119_024021_000000432086_00103_41239_5343.N1	19-JAN-2010 02:40:21	Dark	43.000	78	Alp Lup	2.3040	28000.	86	41239	No
41	GOM_TRA_1PNPDE20100119_024245_000000472086_00104_41240_5344.N1	19-JAN-2010 02:42:45	Dark	47.000	4	Alp1Cen	-0.010000	5800.0	94	41240	No
42	GOM_TRA_1PNPDE20100119_024713_000000422086_00104_41240_5345.N1	19-JAN-2010 02:47:13	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	41240	No
43	GOM_TRA_1PNPDE20100119_025024_000000382086_00104_41240_5346.N1	19-JAN-2010 02:50:24	Dark	37.500	124	The Car	2.7640	30000.	75	41240	No
44	GOM_TRA_1PNPDE20100119_025146_000000452086_00104_41240_5347.N1	19-JAN-2010 02:51:46	Dark	45.000	159	Ups Car	2.9200	7200.0	90	41240	No
45	GOM_TRA_1PNPDE20100119_025338_000000402086_00104_41240_5348.N1	19-JAN-2010 02:53:38	Dark	39.500	71	Iot Car	2.2460	7700.0	79	41240	No
46	GOM_TRA_1PNPDE20100119_025529_000000452086_00104_41240_5349.N1	19-JAN-2010 02:55:29	Dark	44.500	46	Del Vel	1.9540	10600.	89	41240	No
47	GOM_TRA_1PNPDE20100119_025809_000000442086_00104_41240_5350.N1	19-JAN-2010 02:58:09	Dark	44.000	34	Gam2Vel	1.7930	23000.	88	41240	No
48	GOM_TRA_1PNPDE20100119_030017_000000422086_00104_41240_5351.N1	19-JAN-2010 03:00:17	Dark	41.500	70	Zet Pup	2.2460	39000.	83	41240	No
49	GOM_TRA_1PNPDE20100119_030153_000000442086_00104_41240_5352.N1	19-JAN-2010 03:01:53	Straylight	43.500	117	Pi Pup	2.7060	3800.0	87	41240	No
50	GOM_TRA_1PNPDE20100119_030424_000000402086_00104_41240_5353.N1	19-JAN-2010 03:04:24	Straylight	40.000	23	21Eps CMa	1.5020	26000.	80	41240	No
51	GOM_TRA_1PNPDE20100119_030800_000000452086_00104_41240_5354.N1	19-JAN-2010 03:08:00	Straylight	45.000	1	9Alp CMa	-1.4400	11000.	90	41240	No
52	GOM_TRA_1PNPDE20100119_031428_000000492086_00104_41240_5355.N1	19-JAN-2010 03:14:28	Tw_and_stray	49.000	8	10Alp CMi	0.40000	6500.0	98	41240	No
53	GOM_TRA_1PNPDE20100119_031730_000000482086_00104_41240_5356.N1	19-JAN-2010 03:17:30	Bright	48.000	44	24Gam Gem	1.9280	11000.	96	41240	No
54	GOM_TRA_1PNPDE20100119_031915_000000402086_00104_41240_5357.N1	19-JAN-2010 03:19:15	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	41240	No
55	GOM_TRA_1PNPDE20100119_032242_000000442086_00104_41240_5358.N1	19-JAN-2010 03:22:42	Bright	44.000	24	66Alp Gem	1.5800	10200.	88	41240	No
56	GOM_TRA_1PNPDE20100119_032535_000000382086_00104_41240_5359.N1	19-JAN-2010 03:25:35	Bright	38.000	42	34Bet Aur	1.9000	10200.	76	41240	No
57	GOM_TRA_1PNPDE20100119_033809_000000342086_00104_41240_5360.N1	19-JAN-2010 03:38:09	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	41240	No
58	GOM_TRA_1PNPDE20100119_034622_000000392086_00104_41240_5368.N1	19-JAN-2010 03:46:22	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	41240	No
59	GOM_TRA_1PNPDE20100119_034905_000000362086_00104_41240_5369.N1	19-JAN-2010 03:49:05	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	41240	No
60	GOM_TRA_1PNPDE20100119_035525_000000382086_00104_41240_5370.N1	19-JAN-2010 03:55:25	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	41240	No
61	GOM_TRA_1PNPDE20100119_035836_000000392086_00104_41240_5371.N1	19-JAN-2010 03:58:36	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	41240	No
62	GOM_TRA_1PNPDE20100119_040016_000000372086_00104_41240_5372.N1	19-JAN-2010 04:00:16	Bright	37.000	59	55Alp Oph	2.0800	8900.0	74	41240	No
63	GOM_TRA_1PNPDE20100119_040626_000000472086_00104_41240_5373.N1	19-JAN-2010 04:06:26	Bright	47.000	120	1Del Oph	2.7340	3200.0	94	41240	No
64	GOM_TRA_1PNPDE20100119_040826_000000522086_00104_41240_5374.N1	19-JAN-2010 04:08:26	Bright	52.000	86	35Eta Oph	2.4300	10200.	104	41240	No
65	GOM_TRA_1PNPDE20100119_041213_000000492086_00104_41240_5375.N1	19-JAN-2010 04:12:13	Twilight	49.000	16	21Alp Sco	1.0200	3000.0	98	41240	No
66	GOM_TRA_1PNPDE20100119_042321_000000442086_00105_41241_5376.N1	19-JAN-2010 04:23:21	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	41241	No
67	GOM_TRA_1PNPDE20100119_042749_000000512086_00105_41241_5377.N1	19-JAN-2010 04:27:49	Dark	51.000	12	Alp1Cru	0.77500	30000.	102	41241	No
68	GOM_TRA_1PNPDE20100119_043100_000000392086_00105_41241_5378.N1	19-JAN-2010 04:31:00	Dark	38.500	124	The Car	2.7640	30000.	77	41241	No
69	GOM_TRA_1PNPDE20100119_043222_000000382086_00105_41241_5379.N1	19-JAN-2010 04:32:22	Dark	38.000	159	Ups Car	2.9200	7200.0	76	41241	No
70	GOM_TRA_1PNPDE20100119_043606_000000432086_00105_41241_5380.N1	19-JAN-2010 04:36:06	Dark	42.500	46	Del Vel	1.9540	10600.	85	41241	No
71	GOM_TRA_1PNPDE20100119_043846_000000442086_00105_41241_5381.N1	19-JAN-2010 04:38:46	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	41241	No
72	GOM_TRA_1PNPDE20100119_044054_000000422086_00105_41241_5382.N1	19-JAN-2010 04:40:54	Dark	41.500	70	Zet Pup	2.2460	39000.	83	41241	No
73	GOM_TRA_1PNPDE20100119_044229_000000442086_00105_41241_5383.N1	19-JAN-2010 04:42:29	Straylight	44.000	117	Pi Pup	2.7060	3800.0	88	41241	No
74	GOM_TRA_1PNPDE20100119_044500_000000422086_00105_41241_5384.N1	19-JAN-2010 04:45:00	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	41241	No
75	GOM_TRA_1PNPDE20100119_044624_000000392086_00105_41241_5385.N1	19-JAN-2010 04:46:24	Straylight	39.000	179	24Omi2CMa	3.0320	24000.	78	41241	No
76	GOM_TRA_1PNPDE20100119_045806_000000372086_00105_41241_5386.N1	19-JAN-2010 04:58:06	Bright	37.000	44	24Gam Gem	1.9280	11000.	74	41241	No
77	GOM_TRA_1PNPDE20100119_050319_000000602086_00105_41241_5387.N1	19-JAN-2010 05:03:19	Bright	60.000	24	66Alp Gem	1.5800	10200.	120	41241	No
78	GOM_TRA_1PNPDE20100119_050612_000000362086_00105_41241_5388.N1	19-JAN-2010 05:06:12	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	41241	No
79	GOM_TRA_1PNPDE20100119_051845_000000362086_00105_41241_5389.N1	19-JAN-2010 05:18:45	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	41241	No
80	GOM_TRA_1PNPDE20100119_052659_000000392086_00105_41241_5395.N1	19-JAN-2010 05:26:59	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	41241	No
81	GOM_TRA_1PNPDE20100119_052941_000000372086_00105_41241_5396.N1	19-JAN-2010 05:29:41	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	41241	No
82	GOM_TRA_1PNPDE20100119_053601_000000372086_00105_41241_5397.N1	19-JAN-2010 05:36:01	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	41241	No
83	GOM_TRA_1PNPDE20100119_053912_000000572086_00105_41241_5398.N1	19-JAN-2010 05:39:12	Bright	57.000	127	27Bet Her	2.7810	4700.0	114	41241	No
84	GOM_TRA_1PNPDE20100119_054052_000000332086_00105_41241_5399.N1	19-JAN-2010 05:40:52	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	41241	No
85	GOM_TRA_1PNPDE20100119_054703_000000582086_00105_41241_5400.N1	19-JAN-2010 05:47:03	Bright	58.000	120	1Del Oph	2.7340	3200.0	116	41241	No
86	GOM_TRA_1PNPDE20100119_054902_000000332086_00105_41241_5401.N1	19-JAN-2010 05:49:02	Bright	33.000	86	35Eta Oph	2.4300	10200.	66	41241	No
87	GOM_TRA_1PNPDE20100119_055249_000000522086_00105_41241_5402.N1	19-JAN-2010 05:52:49	Twilight	52.000	16	21Alp Sco	1.0200	3000.0	104	41241	No
88	GOM_TRA_1PNPDE20100119_055812_000000412086_00105_41241_5403.N1	19-JAN-2010 05:58:12	Dark	40.500	131	Gam Lup	2.8000	26000.	81	41241	No
89	GOM_TRA_1PNPDE20100119_060004_000000412086_00105_41241_5404.N1	19-JAN-2010 06:00:04	Dark	40.500	109	Bet Lup	2.6770	26000.	81	41241	No
90	GOM_TRA_1PNPDE20100119_060134_000000442086_00105_41241_5405.N1	19-JAN-2010 06:01:34	Dark	44.000	78	Alp Lup	2.3040	28000.	88	41241	No

91	GOM_TRA_1PNPDE20100119_060358_000000522086_00106_41242_5406.N1	19-JAN-2010 06:03:58	Dark	51.500	4	Alp1Cen	-0.010000	5800.0	103	41242	No
92	GOM_TRA_1PNPDE20100119_060826_000000502086_00106_41242_5407.N1	19-JAN-2010 06:08:26	Dark	49.500	12	Alp1Cru	0.77500	30000.	99	41242	No
93	GOM_TRA_1PNPDE20100119_061137_000000392086_00106_41242_5408.N1	19-JAN-2010 06:11:37	Dark	39.000	124	The Car	2.7640	30000.	78	41242	No
94	GOM_TRA_1PNPDE20100119_061258_000000452086_00106_41242_5409.N1	19-JAN-2010 06:12:58	Dark	44.500	159	Ups Car	2.9200	7200.0	89	41242	No
95	GOM_TRA_1PNPDE20100119_061451_000000462086_00106_41242_5410.N1	19-JAN-2010 06:14:51	Dark	45.500	71	lot Car	2.2460	7700.0	91	41242	No
96	GOM_TRA_1PNPDE20100119_061642_000000432086_00106_41242_5411.N1	19-JAN-2010 06:16:42	Dark	43.000	46	Del Vel	1.9540	10600.	86	41242	No
97	GOM_TRA_1PNPDE20100119_061922_000000452086_00106_41242_5412.N1	19-JAN-2010 06:19:22	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	41242	No
98	GOM_TRA_1PNPDE20100119_062130_000000432086_00106_41242_5413.N1	19-JAN-2010 06:21:30	Dark	43.000	70	Zet Pup	2.2460	39000.	86	41242	No
99	GOM_TRA_1PNPDE20100119_062305_000000452086_00106_41242_5414.N1	19-JAN-2010 06:23:05	Straylight	44.500	117	Pi Pup	2.7060	3800.0	89	41242	No
100	GOM_TRA_1PNPDE20100119_062536_000000432086_00106_41242_5415.N1	19-JAN-2010 06:25:36	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	41242	No
101	GOM_TRA_1PNPDE20100119_062912_000000452086_00106_41242_5416.N1	19-JAN-2010 06:29:12	Straylight	44.500	1	9Alp CMa	-1.4400	11000.	89	41242	No
102	GOM_TRA_1PNPDE20100119_063540_000000502086_00106_41242_5417.N1	19-JAN-2010 06:35:40	Tw_i_and_stray	50.000	8	10Alp CMi	0.40000	6500.0	100	41242	No
103	GOM_TRA_1PNPDE20100119_063842_000000352086_00106_41242_5418.N1	19-JAN-2010 06:38:42	Bright	34.500	44	24Gam Gem	1.9280	11000.	69	41242	No
104	GOM_TRA_1PNPDE20100119_064027_000000522086_00106_41242_5419.N1	19-JAN-2010 06:40:27	Bright	52.000	151	13Mu Gem	2.8900	3000.0	104	41242	No
105	GOM_TRA_1PNPDE20100119_064354_000000432086_00106_41242_5420.N1	19-JAN-2010 06:43:54	Bright	43.000	24	66Alp Gem	1.5800	10200.	86	41242	No
106	GOM_TRA_1PNPDE20100119_064648_000000362086_00106_41242_5421.N1	19-JAN-2010 06:46:48	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	41242	No
107	GOM_TRA_1PNPDE20100119_065921_000000522086_00106_41242_5422.N1	19-JAN-2010 06:59:21	Bright	51.500	49	1Alp UMi	1.9900	6300.0	103	41242	No
108	GOM_TRA_1PNPDE20100119_194133_000000452086_00114_41250_5475.N1	19-JAN-2010 19:41:33	Dark	45.000	46	Del Vel	1.9540	10600.	90	41250	Yes
109	GOM_TRA_1PNPDE20100119_194412_000000442086_00114_41250_5476.N1	19-JAN-2010 19:44:12	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	41250	No
110	GOM_TRA_1PNPDE20100119_194620_000000432086_00114_41250_5477.N1	19-JAN-2010 19:46:20	Dark	42.500	70	Zet Pup	2.2460	39000.	85	41250	No
111	GOM_TRA_1PNPDE20100119_194755_000000442086_00114_41250_5478.N1	19-JAN-2010 19:47:55	Straylight	44.000	117	Pi Pup	2.7060	3800.0	88	41250	No
112	GOM_TRA_1PNPDE20100119_195025_000000422086_00114_41250_5479.N1	19-JAN-2010 19:50:25	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	41250	No
113	GOM_TRA_1PNPDE20100119_195149_000000392086_00114_41250_5480.N1	19-JAN-2010 19:51:49	Straylight	39.000	179	24Omi2CMa	3.0320	24000.	78	41250	No
114	GOM_TRA_1PNPDE20100119_195400_000000432086_00114_41250_5481.N1	19-JAN-2010 19:54:00	Straylight	42.500	1	9Alp CMa	-1.4400	11000.	85	41250	No
115	GOM_TRA_1PNPDE20100119_200026_000000522086_00114_41250_5482.N1	19-JAN-2010 20:00:26	Tw_i_and_stray	52.000	8	10Alp CMi	0.40000	6500.0	104	41250	No
116	GOM_TRA_1PNPDE20100119_200329_000000482086_00114_41250_5483.N1	19-JAN-2010 20:03:29	Bright	48.000	44	24Gam Gem	1.9280	11000.	96	41250	No
117	GOM_TRA_1PNPDE20100119_200514_000000422086_00114_41250_5484.N1	19-JAN-2010 20:05:14	Bright	42.000	151	13Mu Gem	2.8900	3000.0	84	41250	No
118	GOM_TRA_1PNPDE20100119_200839_000000432086_00114_41250_5485.N1	19-JAN-2010 20:08:39	Bright	42.500	24	66Alp Gem	1.5800	10200.	85	41250	No
119	GOM_TRA_1PNPDE20100119_201135_000000372086_00114_41250_5486.N1	19-JAN-2010 20:11:35	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41250	No
120	GOM_TRA_1PNPDE20100119_202409_000000352086_00114_41250_5487.N1	19-JAN-2010 20:24:09	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	41250	No
121	GOM_TRA_1PNPDE20100119_202755_000000402086_00114_41250_5488.N1	19-JAN-2010 20:27:55	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	41250	No
122	GOM_TRA_1PNPDE20100119_203221_000000382086_00114_41250_5489.N1	19-JAN-2010 20:32:21	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	41250	No
123	GOM_TRA_1PNPDE20100119_203505_000000382086_00114_41250_5490.N1	19-JAN-2010 20:35:05	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	41250	No
124	GOM_TRA_1PNPDE20100119_204126_000000452086_00114_41250_5491.N1	19-JAN-2010 20:41:26	Bright	44.500	133	40Zet Her	2.8070	6000.0	89	41250	No
125	GOM_TRA_1PNPDE20100119_204438_000000372086_00114_41250_5492.N1	19-JAN-2010 20:44:38	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	41250	No
126	GOM_TRA_1PNPDE20100119_205231_000000462086_00114_41250_5494.N1	19-JAN-2010 20:52:31	Bright	46.000	120	1Del Oph	2.7340	3200.0	92	41250	No
127	GOM_TRA_1PNPDE20100119_205428_000000522086_00114_41250_5495.N1	19-JAN-2010 20:54:28	Bright	52.000	86	35Eta Oph	2.4300	10200.	104	41250	No
128	GOM_TRA_1PNPDE20100119_205816_000000542086_00114_41250_5496.N1	19-JAN-2010 20:58:16	Twilight	54.000	16	21Alp Sco	1.0200	3000.0	108	41250	No
129	GOM_TRA_1PNPDE20100119_205951_000000492086_00114_41250_5497.N1	19-JAN-2010 20:59:51	Twilight	49.000	75	26Eps Sco	2.2910	4250.0	98	41250	No
130	GOM_TRA_1PNPDE20100119_210341_000000422086_00114_41250_5498.N1	19-JAN-2010 21:03:41	Dark	41.500	131	Gam Lup	2.8000	26000.	83	41250	No
131	GOM_TRA_1PNPDE20100119_210534_000000422086_00114_41250_5499.N1	19-JAN-2010 21:05:34	Dark	42.000	109	Bet Lup	2.6770	26000.	84	41250	No
132	GOM_TRA_1PNPDE20100119_210925_000000412086_00115_41251_5500.N1	19-JAN-2010 21:09:25	Dark	40.500	4	Alp1Cen	-0.010000	5800.0	81	41251	No
133	GOM_TRA_1PNPDE20100119_211354_000000442086_00115_41251_5501.N1	19-JAN-2010 21:13:54	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	41251	No
134	GOM_TRA_1PNPDE20100119_211704_000000392086_00115_41251_5502.N1	19-JAN-2010 21:17:04	Dark	38.500	124	The Car	2.7640	30000.	77	41251	No
135	GOM_TRA_1PNPDE20100119_211825_000000402086_00115_41251_5503.N1	19-JAN-2010 21:18:25	Dark	39.500	159	Ups Car	2.9200	7200.0	79	41251	No
136	GOM_TRA_1PNPDE20100119_212018_000000442086_00115_41251_5504.N1	19-JAN-2010 21:20:18	Dark	44.000	71	lot Car	2.2460	7700.0	88	41251	No
137	GOM_TRA_1PNPDE20100119_212209_000000442086_00115_41251_5505.N1	19-JAN-2010 21:22:09	Dark	44.000	46	Del Vel	1.9540	10600.	88	41251	No
138	GOM_TRA_1PNPDE20100119_212449_000000422086_00115_41251_5506.N1	19-JAN-2010 21:24:49	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	41251	No
139	GOM_TRA_1PNPDE20100119_212656_000000452086_00115_41251_5507.N1	19-JAN-2010 21:26:56	Straylight	44.500	70	Zet Pup	2.2460	39000.	89	41251	No
140	GOM_TRA_1PNPDE20100119_212831_000000432086_00115_41251_5508.N1	19-JAN-2010 21:28:31	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	41251	No
141	GOM_TRA_1PNPDE20100119_213101_000000442086_00115_41251_5509.N1	19-JAN-2010 21:31:01	Straylight	43.500	23	21Eps CMa	1.5020	26000.	87	41251	No
142	GOM_TRA_1PNPDE20100119_213225_000000402086_00115_41251_5510.N1	19-JAN-2010 21:32:25	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	41251	No
143	GOM_TRA_1PNPDE20100119_213437_000000432086_00115_41251_5511.N1	19-JAN-2010 21:34:37	Straylight	42.500	1	9Alp CMa	-1.4400	11000.	85	41251	No
144	GOM_TRA_1PNPDE20100119_214102_000000542086_00115_41251_5512.N1	19-JAN-2010 21:41:02	Tw_i_and_stray	54.000	8	10Alp CMi	0.40000	6500.0	108	41251	No
145	GOM_TRA_1PNPDE20100119_214405_000000532086_00115_41251_5513.N1	19-JAN-2010 21:44:05	Bright	53.000	44	24Gam Gem	1.9280	11000.	106	41251	No
146	GOM_TRA_1PNPDE20100119_214550_000000412086_00115_41251_5514.N1	19-JAN-2010 21:45:50	Bright	41.000	151	13Mu Gem	2.8900	3000.0	82	41251	No
147	GOM_TRA_1PNPDE20100119_214914_000000442086_00115_41251_5515.N1	19-JAN-2010 21:49:14	Bright	44.000	24	66Alp Gem	1.5800	10200.	88	41251	No
148	GOM_TRA_1PNPDE20100119_215211_000000382086_00115_41251_5516.N1	19-JAN-2010 21:52:11	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	41251	No
149	GOM_TRA_1PNPDE20100119_220445_000000352086_00115_41251_5517.N1	19-JAN-2010 22:04:45	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	41251	No

150	GOM_TRA_1PNPDE20100119_220831_000000412086_00115_41251_5518.N1	19-JAN-2010 22:08:31	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	41251	No
151	GOM_TRA_1PNPDE20100119_221257_000000412086_00115_41251_5519.N1	19-JAN-2010 22:12:57	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	41251	No
152	GOM_TRA_1PNPDE20100119_221541_000000522086_00115_41251_5520.N1	19-JAN-2010 22:15:41	Bright	52.000	130	23Bet Dra	2.7990	5800.0	104	41251	No
153	GOM_TRA_1PNPDE20100119_222202_000000382086_00115_41251_5521.N1	19-JAN-2010 22:22:02	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	41251	No
154	GOM_TRA_1PNPDE20100119_222514_000000372086_00115_41251_5522.N1	19-JAN-2010 22:25:14	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	41251	No
155	GOM_TRA_1PNPDE20100119_223307_000000462086_00115_41251_5523.N1	19-JAN-2010 22:33:07	Bright	45.500	120	1Del Oph	2.7340	3200.0	91	41251	No
156	GOM_TRA_1PNPDE20100119_223853_000000492086_00115_41251_5513.N1	19-JAN-2010 22:38:53	Twilight	48.500	16	21Alp Sco	1.0200	3000.0	97	41251	No
157	GOM_TRA_1PNPDE20100119_224027_000000452086_00115_41251_5514.N1	19-JAN-2010 22:40:27	Twilight	45.000	75	26Eps Sco	2.2910	4250.0	90	41251	No
158	GOM_TRA_1PNPDE20100119_224417_000000392086_00115_41251_5515.N1	19-JAN-2010 22:44:17	Dark	39.000	131	Gam Lup	2.8000	26000.	78	41251	No
159	GOM_TRA_1PNPDE20100119_224611_000000412086_00115_41251_5516.N1	19-JAN-2010 22:46:11	Dark	41.000	109	Bet Lup	2.6770	26000.	82	41251	No
160	GOM_TRA_1PNPDE20100119_225001_000000412086_00116_41252_5517.N1	19-JAN-2010 22:50:01	Dark	40.500	4	Alp1Cen	-0.010000	5800.0	81	41252	No
161	GOM_TRA_1PNPDE20100119_225430_000000452086_00116_41252_5518.N1	19-JAN-2010 22:54:30	Dark	44.500	12	Alp1Cru	0.77500	30000.	89	41252	No
162	GOM_TRA_1PNPDE20100119_225741_000000392086_00116_41252_5519.N1	19-JAN-2010 22:57:41	Dark	38.500	124	The Car	2.7640	30000.	77	41252	No
163	GOM_TRA_1PNPDE20100119_225901_000000382086_00116_41252_5520.N1	19-JAN-2010 22:59:01	Dark	38.000	159	Ups Car	2.9200	7200.0	76	41252	No
164	GOM_TRA_1PNPDE20100119_230055_000000422086_00116_41252_5521.N1	19-JAN-2010 23:00:55	Dark	42.000	71	Iot Car	2.2460	7700.0	84	41252	No
165	GOM_TRA_1PNPDE20100119_230245_000000412086_00116_41252_5522.N1	19-JAN-2010 23:02:45	Dark	41.000	46	Del Vel	1.9540	10600.	82	41252	No
166	GOM_TRA_1PNPDE20100119_230525_000000432086_00116_41252_5523.N1	19-JAN-2010 23:05:25	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41252	No
167	GOM_TRA_1PNPDE20100119_230733_000000422086_00116_41252_5524.N1	19-JAN-2010 23:07:33	Dark	41.500	70	Zet Pup	2.2460	39000.	83	41252	No
168	GOM_TRA_1PNPDE20100119_230907_000000452086_00116_41252_5525.N1	19-JAN-2010 23:09:07	Straylight	44.500	117	Pi Pup	2.7060	3800.0	89	41252	No
169	GOM_TRA_1PNPDE20100119_231138_000000422086_00116_41252_5526.N1	19-JAN-2010 23:11:38	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	41252	No
170	GOM_TRA_1PNPDE20100119_231301_000000402086_00116_41252_5527.N1	19-JAN-2010 23:13:01	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	41252	No
171	GOM_TRA_1PNPDE20100119_231513_000000442086_00116_41252_5528.N1	19-JAN-2010 23:15:13	Straylight	43.500	1	9Alp CMa	-1.4400	11000.	87	41252	No
172	GOM_TRA_1PNPDE20100119_232138_000000542086_00116_41252_5529.N1	19-JAN-2010 23:21:38	Twilight	53.500	8	10Alp CMi	0.40000	6500.0	107	41252	No
173	GOM_TRA_1PNPDE20100119_232441_000000462086_00116_41252_5530.N1	19-JAN-2010 23:24:41	Bright	46.000	44	24Gam Gem	1.9280	11000.	92	41252	No
174	GOM_TRA_1PNPDE20100119_232626_000000402086_00116_41252_5531.N1	19-JAN-2010 23:26:26	Bright	39.500	151	13Mu Gem	2.8900	3000.0	79	41252	No
175	GOM_TRA_1PNPDE20100119_232950_000000442086_00116_41252_5532.N1	19-JAN-2010 23:29:50	Bright	43.500	24	66Alp Gem	1.5800	10200.	87	41252	No
176	GOM_TRA_1PNPDE20100119_234520_000000352086_00116_41252_5533.N1	19-JAN-2010 23:45:20	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	41252	No
177	GOM_TRA_1PNPDE20100119_234907_000000432086_00116_41252_5534.N1	19-JAN-2010 23:49:07	Bright	43.000	60	7Bet UMi	2.0810	3950.0	86	41252	No
178	GOM_TRA_1PNPDE20100119_235333_000000382086_00116_41252_5535.N1	19-JAN-2010 23:53:33	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	41252	No
179	GOM_TRA_1PNPDE20100119_235617_000000372086_00116_41252_5536.N1	19-JAN-2010 23:56:17	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	41252	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).

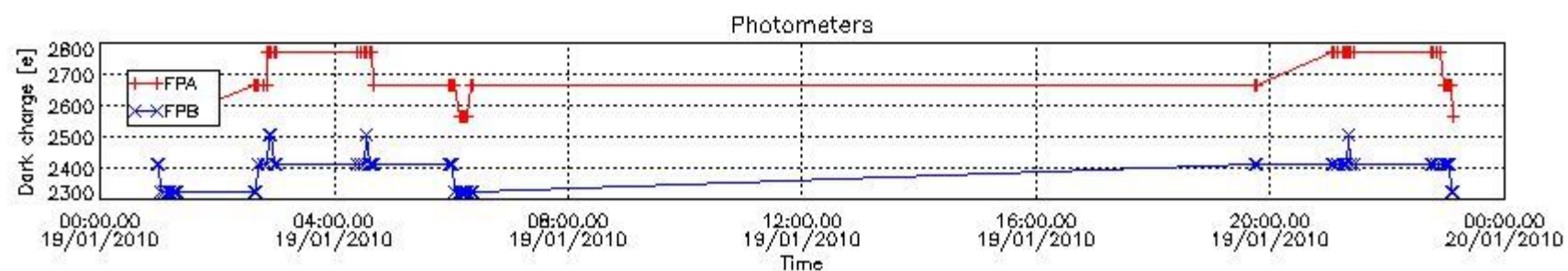
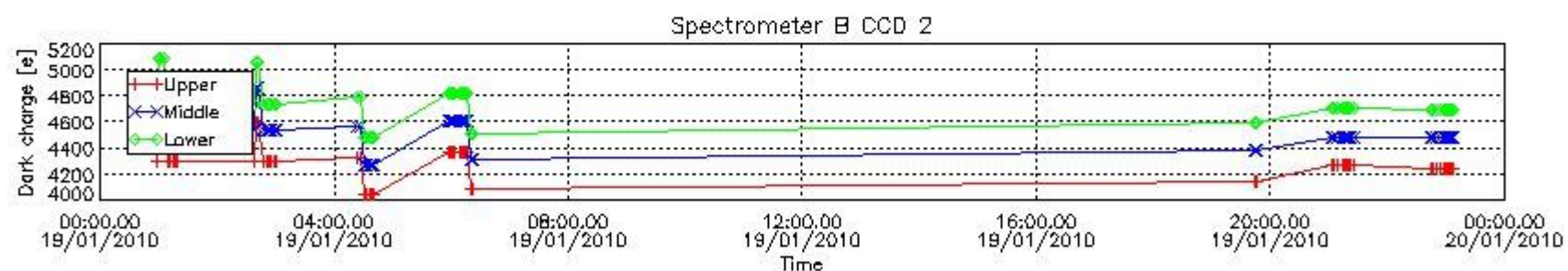
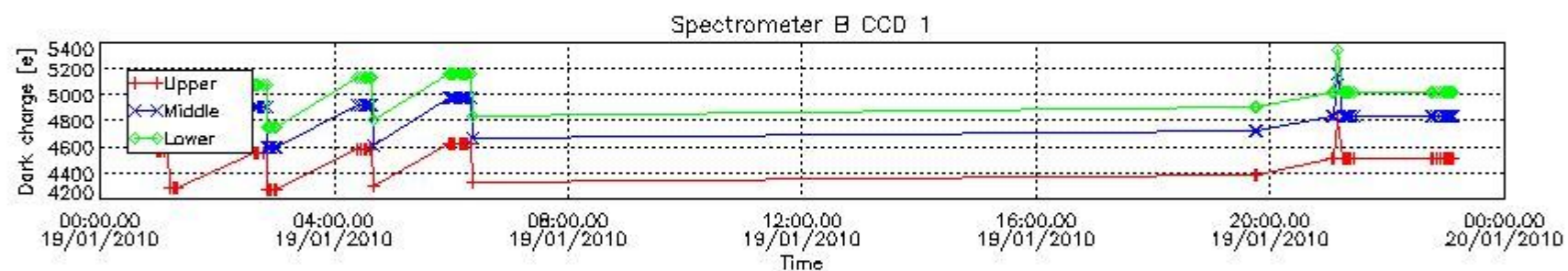
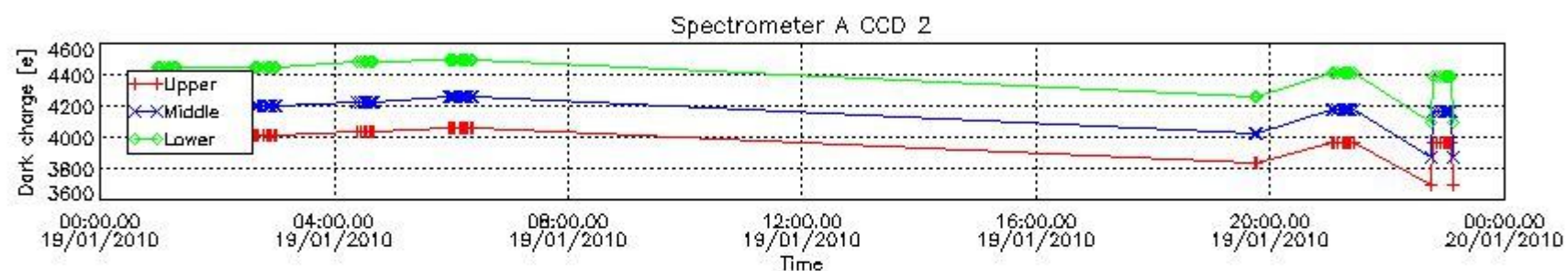
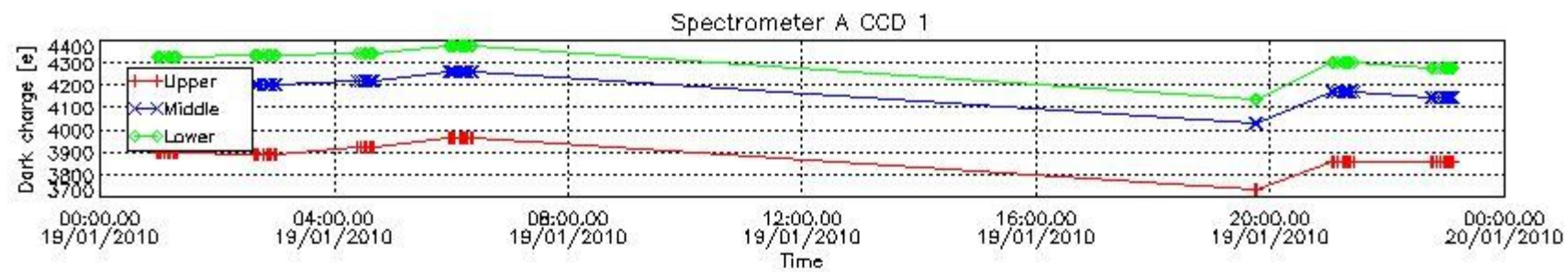
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100119_194133_000000452086_00114_41250_5475.N1	DC map with no T dep.
GOM_TRA_1PNPDE20100119_194412_000000442086_00114_41250_5476.N1	DC map used
GOM_TRA_1PNPDE20100119_194620_000000432086_00114_41250_5477.N1	DC map used
GOM_TRA_1PNPDE20100119_194755_000000442086_00114_41250_5478.N1	DC map used
GOM_TRA_1PNPDE20100119_195025_000000422086_00114_41250_5479.N1	DC map used
GOM_TRA_1PNPDE20100119_195149_000000392086_00114_41250_5480.N1	DC map used
GOM_TRA_1PNPDE20100119_195400_000000432086_00114_41250_5481.N1	DC map used
GOM_TRA_1PNPDE20100119_200026_000000522086_00114_41250_5482.N1	DC map used
GOM_TRA_1PNPDE20100119_200329_000000482086_00114_41250_5483.N1	DC map used
GOM_TRA_1PNPDE20100119_200514_000000422086_00114_41250_5484.N1	DC map used
GOM_TRA_1PNPDE20100119_200839_000000432086_00114_41250_5485.N1	DC map used
GOM_TRA_1PNPDE20100119_201135_000000372086_00114_41250_5486.N1	DC map used
GOM_TRA_1PNPDE20100119_202409_000000352086_00114_41250_5487.N1	DC map used
GOM_TRA_1PNPDE20100119_202755_000000402086_00114_41250_5488.N1	DC map used

GOM_TRA_1PNPDE20100119_203221_000000382086_00114_41250_5489.N1	DC map used
GOM_TRA_1PNPDE20100119_203505_000000382086_00114_41250_5490.N1	DC map used
GOM_TRA_1PNPDE20100119_204126_000000452086_00114_41250_5491.N1	DC map used
GOM_TRA_1PNPDE20100119_204438_000000372086_00114_41250_5492.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

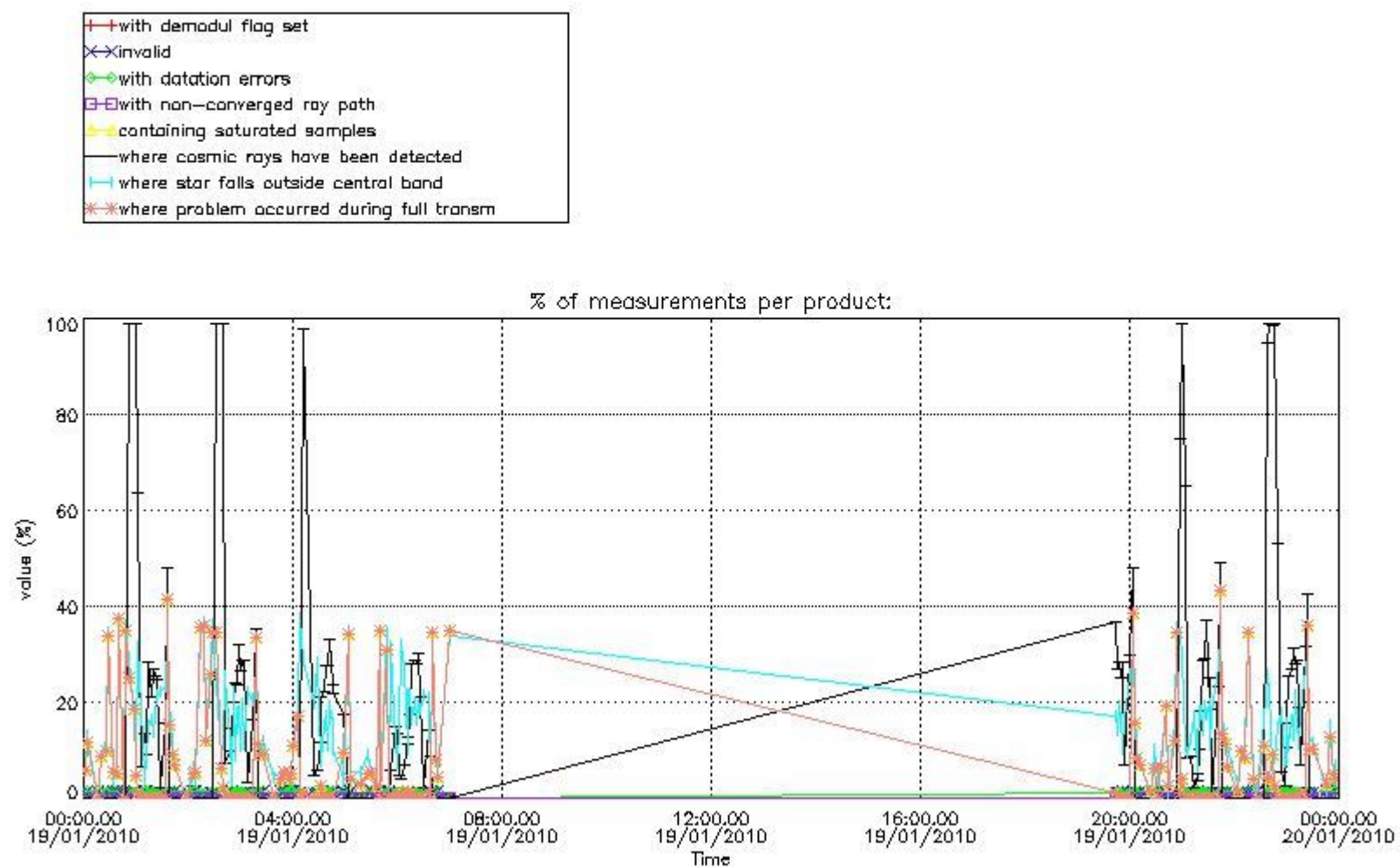
In this section it is presented the modulation information extracted from the pcd (product confidence data)

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.

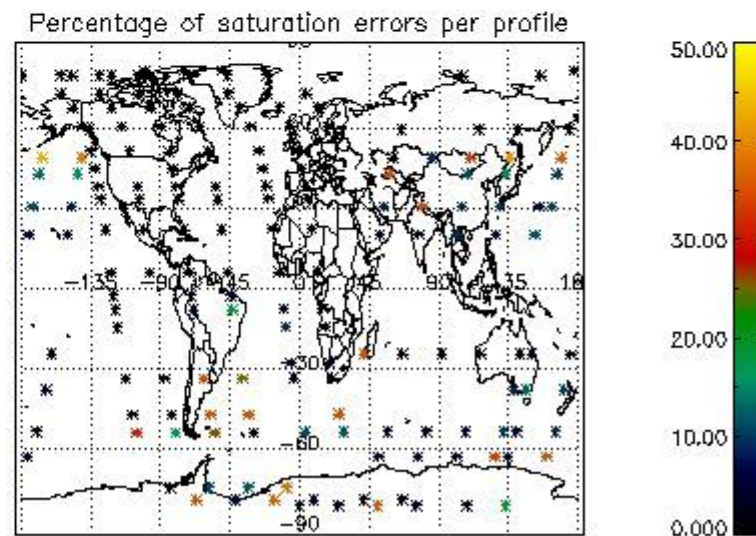
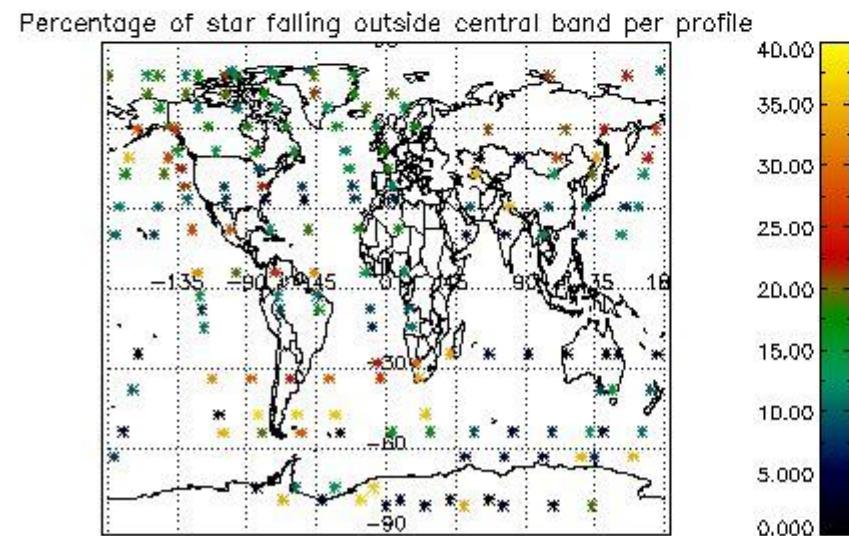
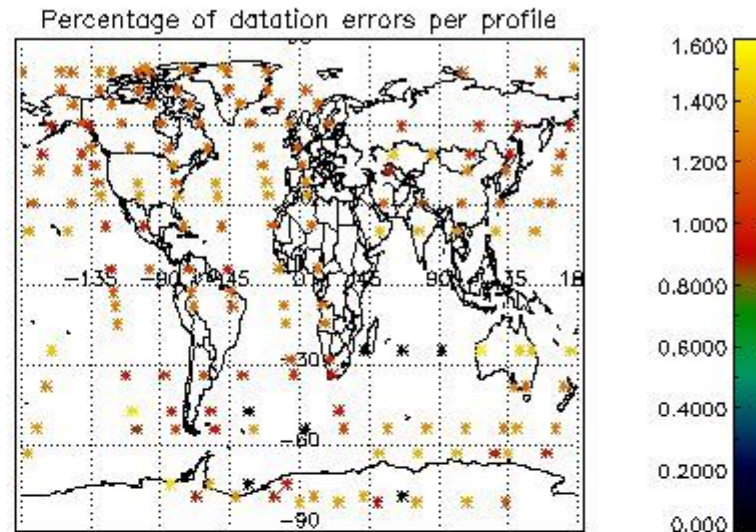
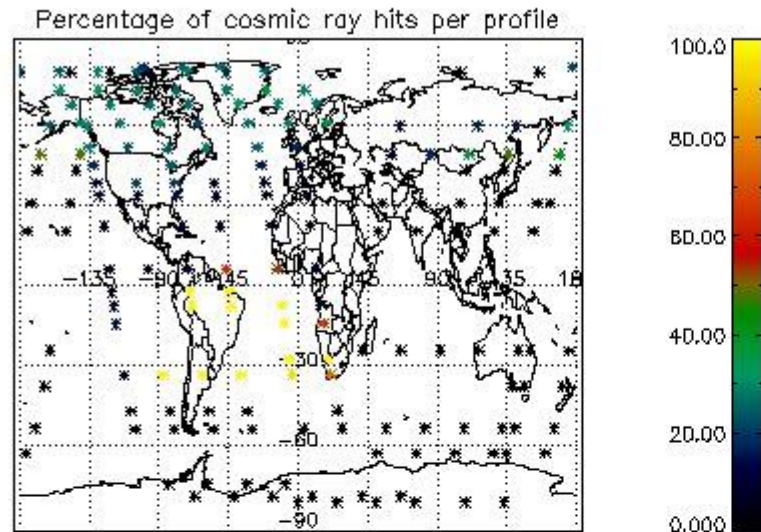
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	39.8876 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



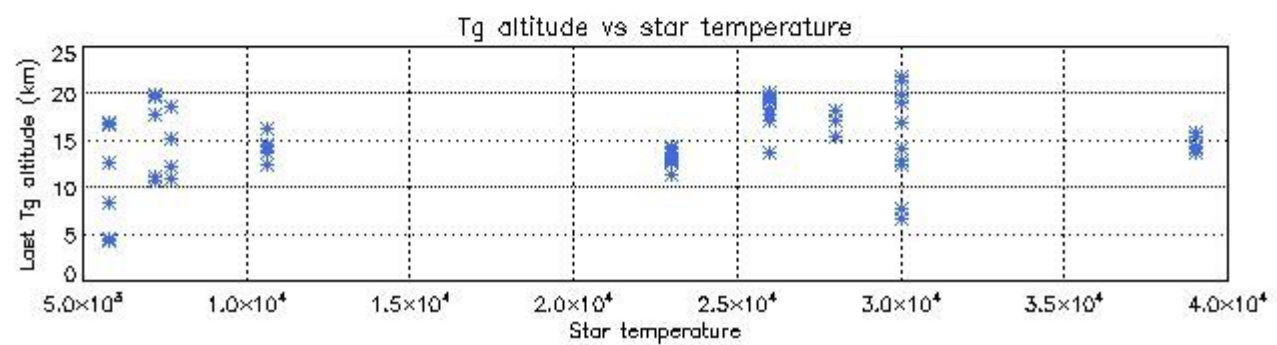
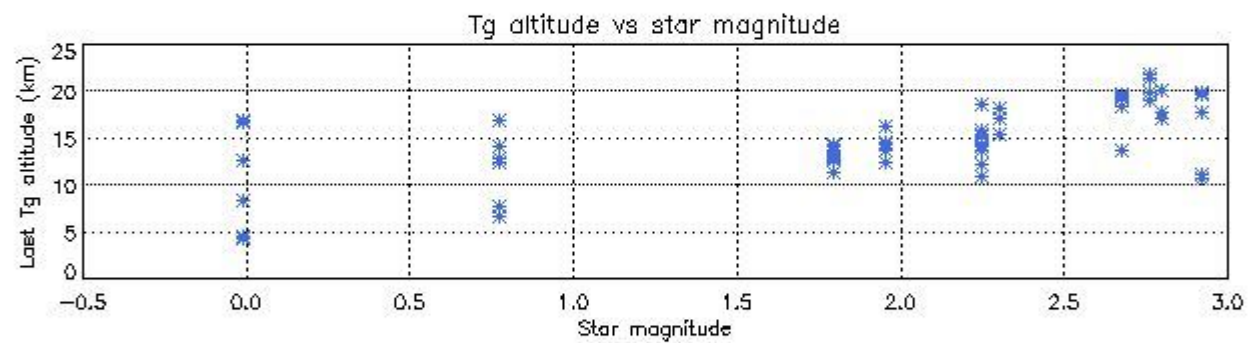
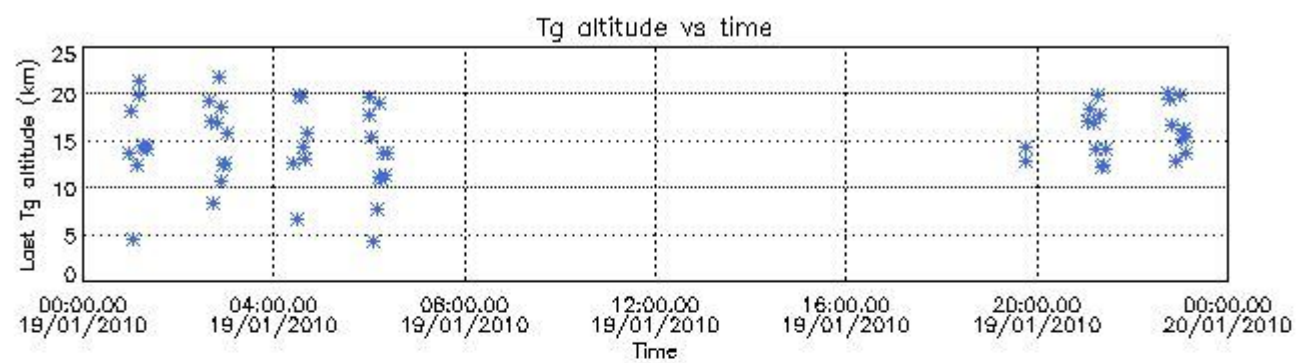
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.029	15.948	7.0585
St. deviation:	4.0207	7.2848	1.9494
Maximum:	21.712	30.713	9.6574
Minimum:	4.3101	3.6249	4.0588
Number of data:	58.000	81.000	8.0000

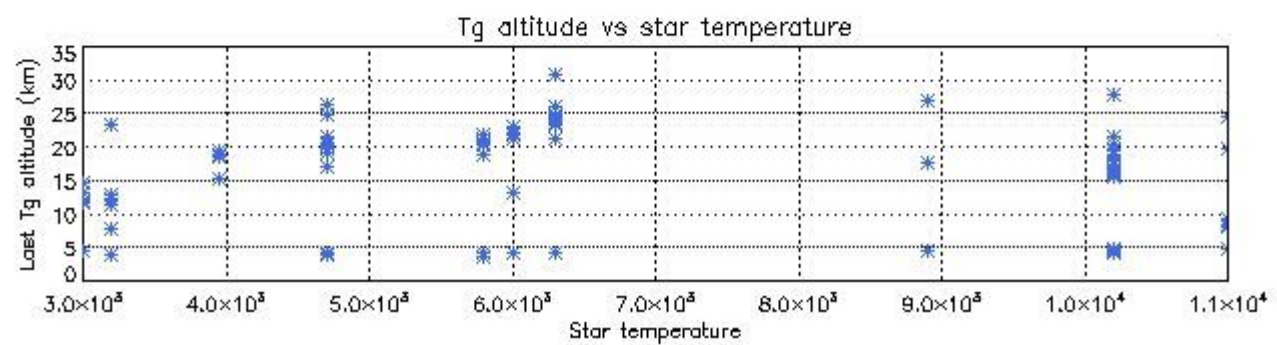
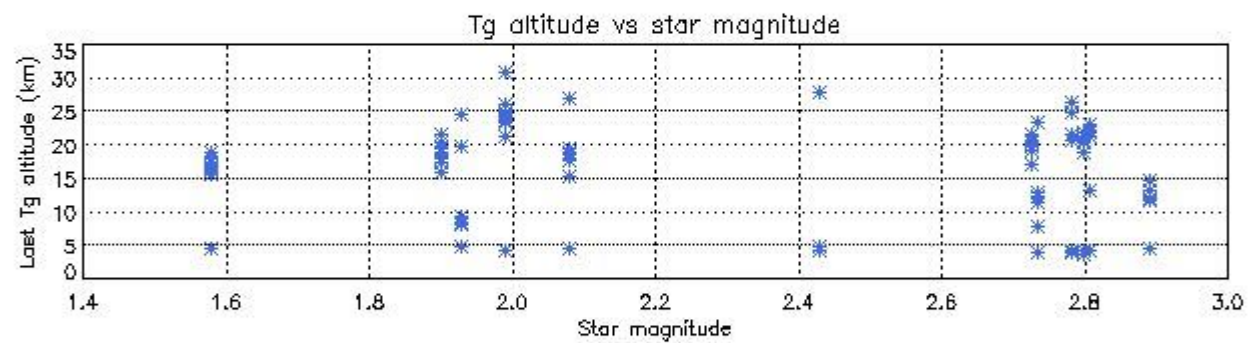
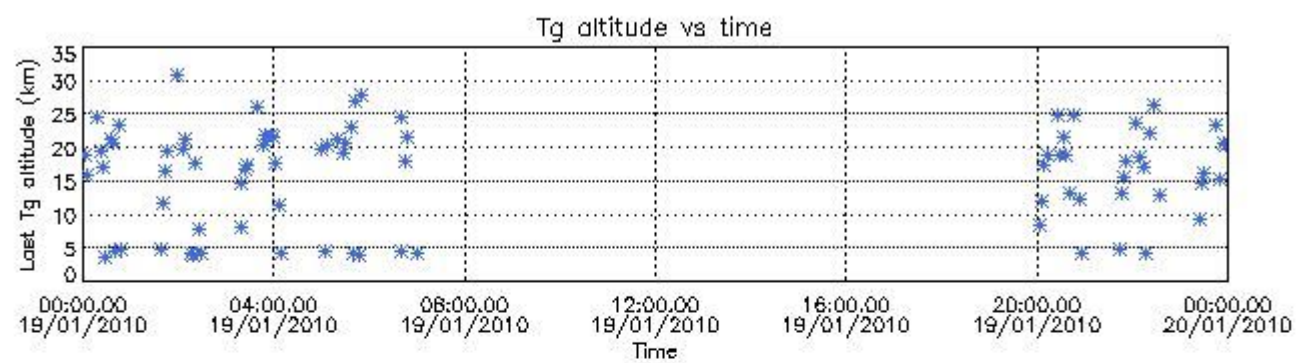
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



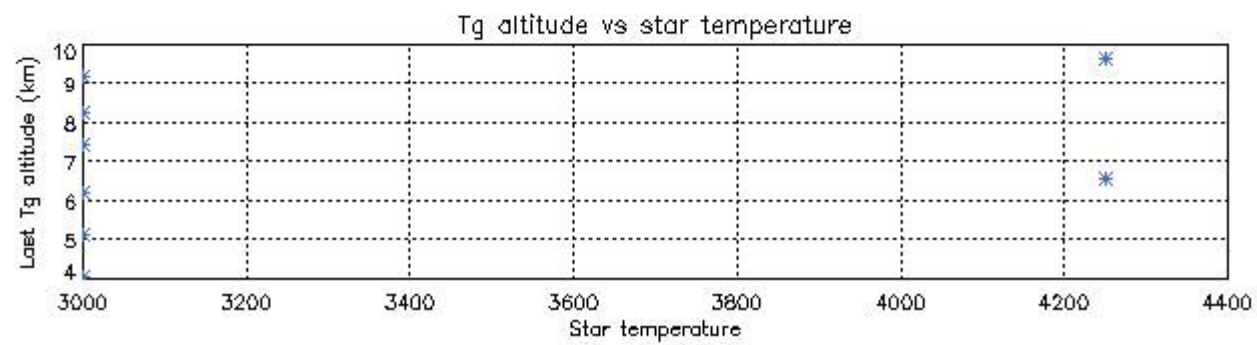
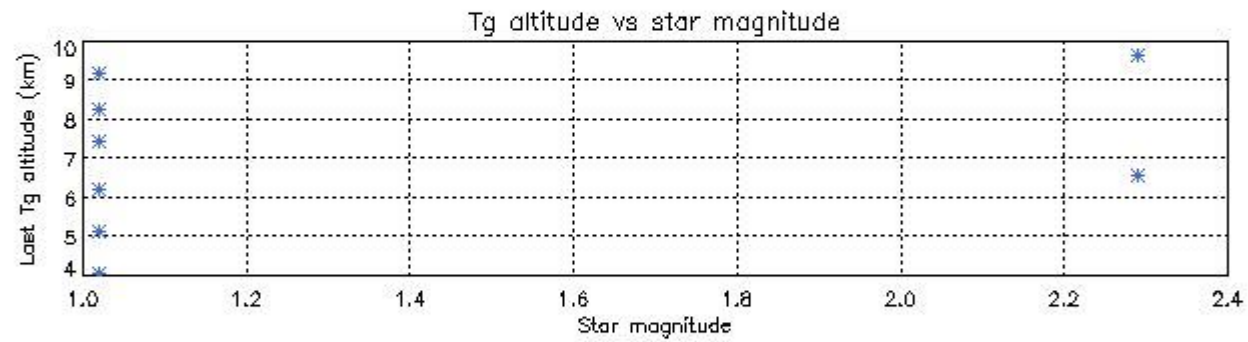
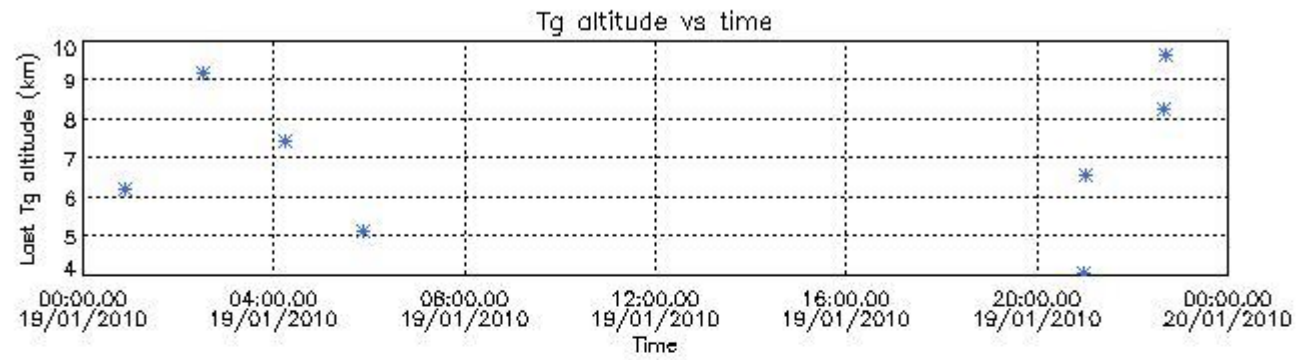
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

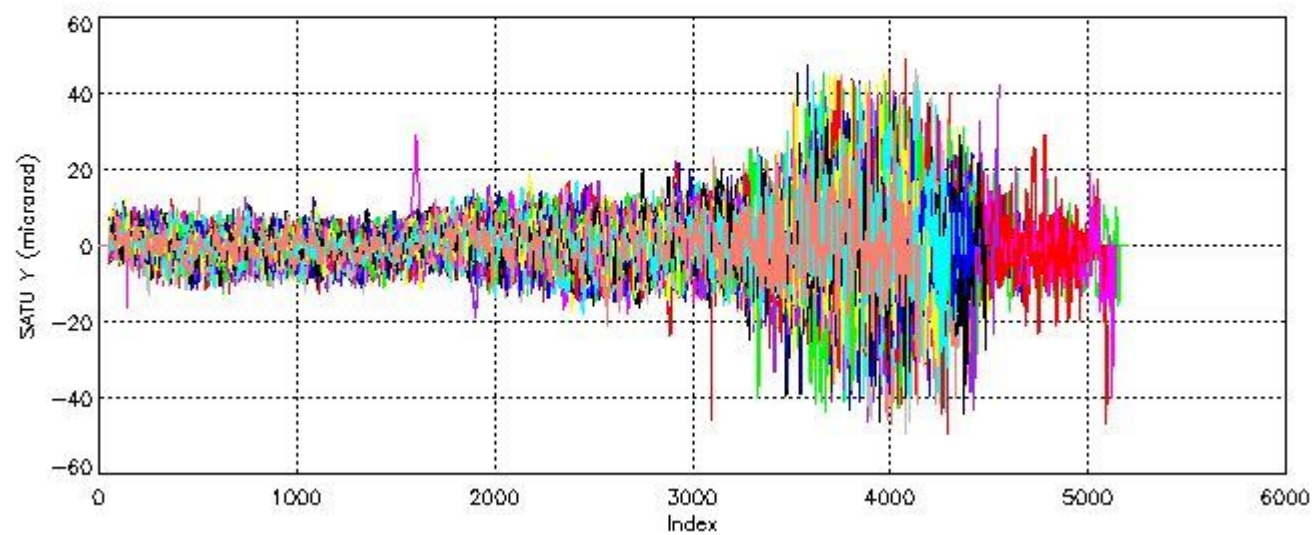
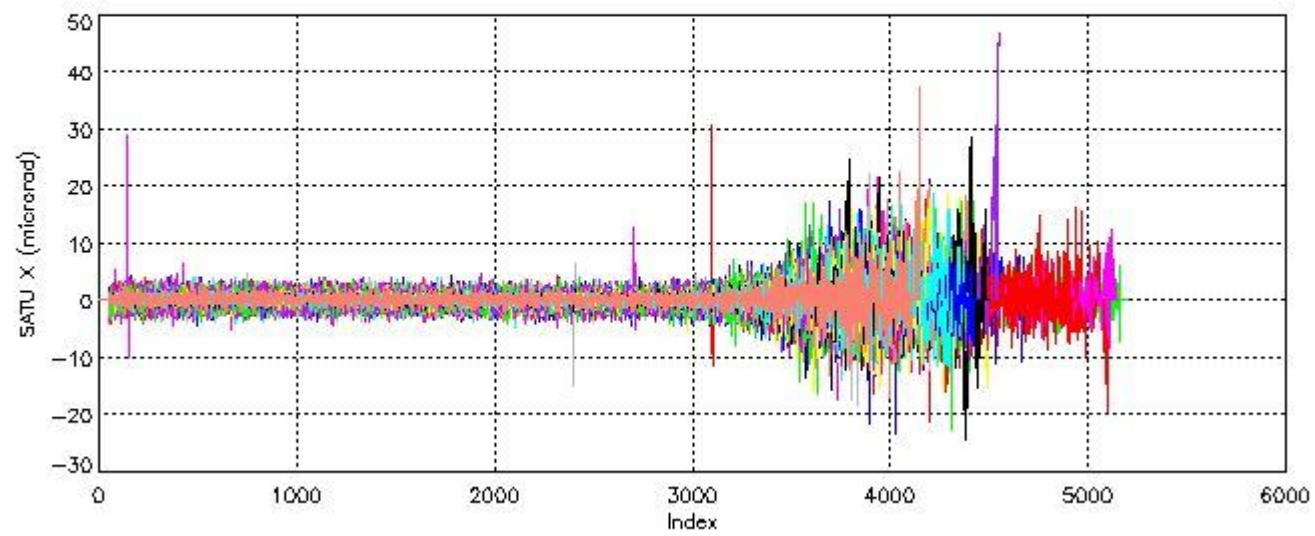


7. Star Acquisition and Tracking Unit (SATU)

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:	0.14705	0.19908	0.083919	-0.26041
St. deviation:	0.72548	3.1838	0.60847	3.0396
Maximum:	29.100	12.700	3.8000	12.700
Minimum:	-10.000	-16.400	-3.5000	-15.600

Number of data:	53000.	53000.	71150.	71150.
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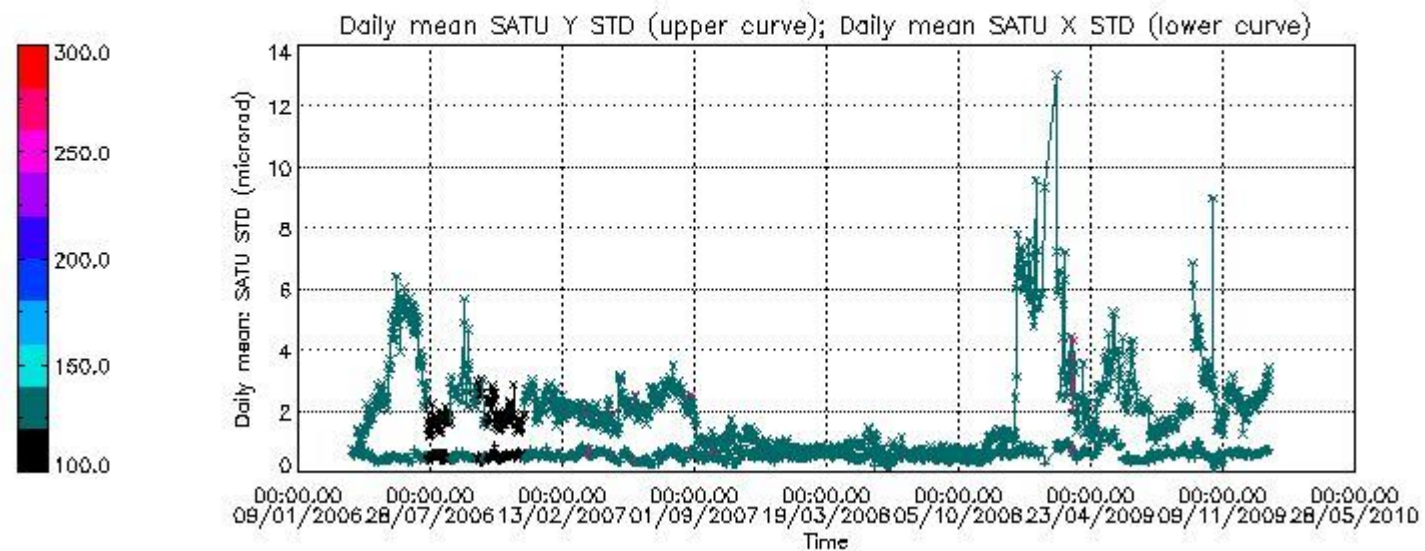
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

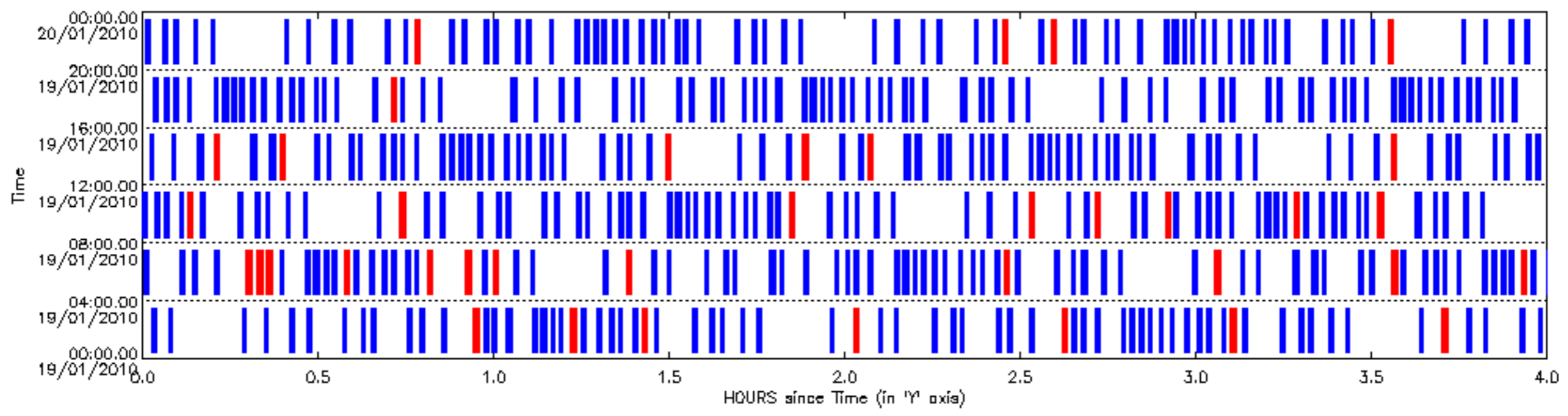
Lower curve: STD of SATU X axis

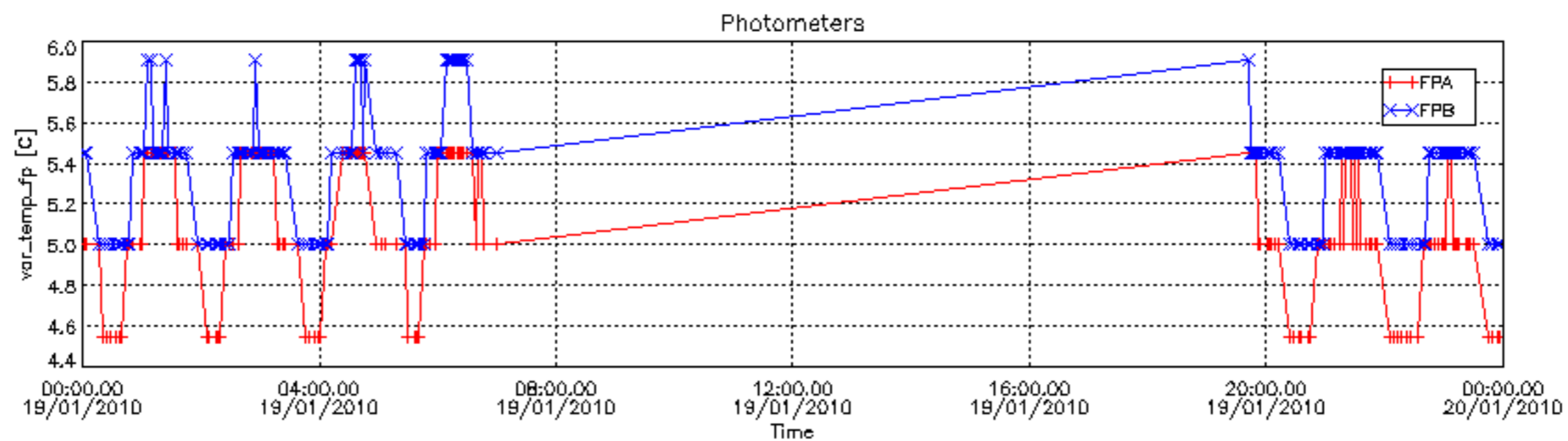
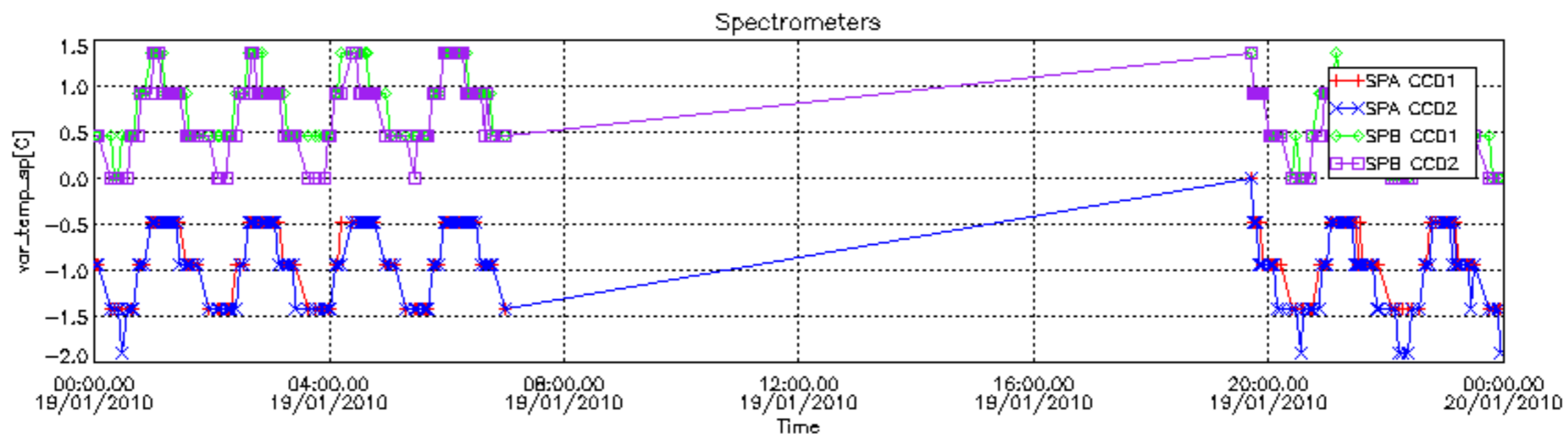


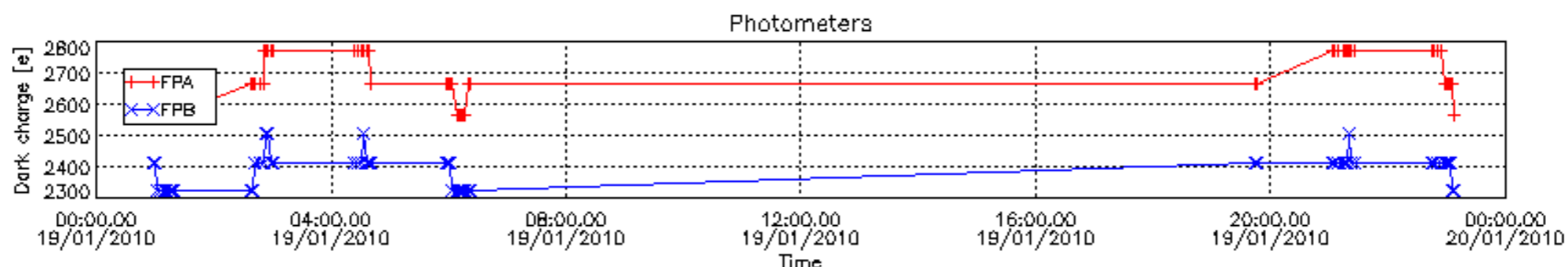
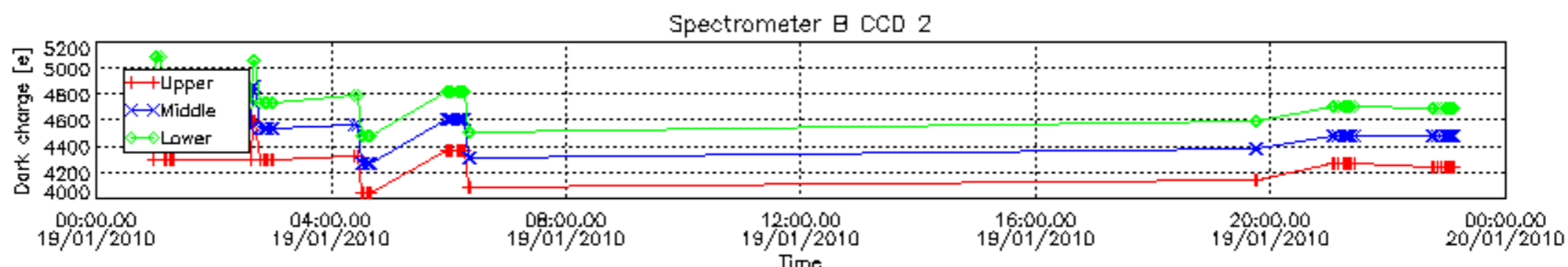
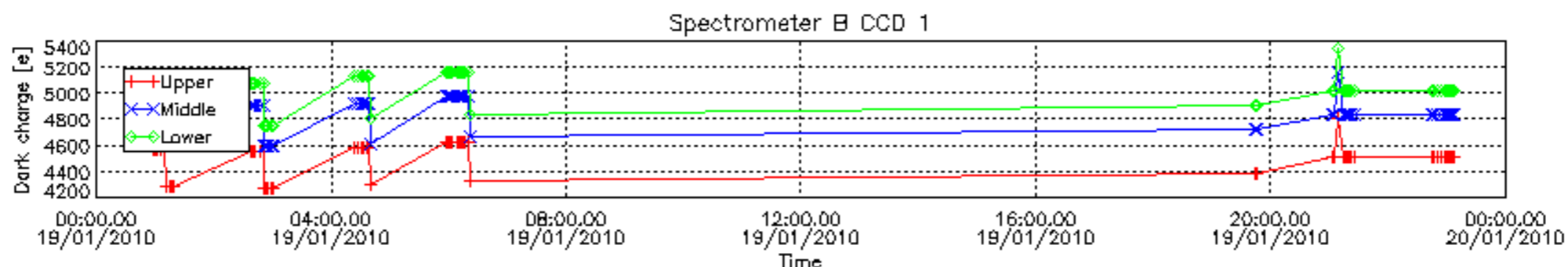
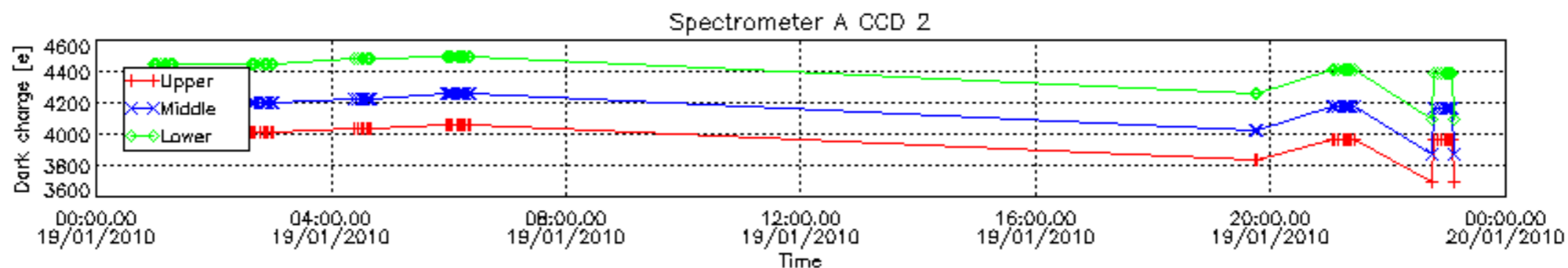
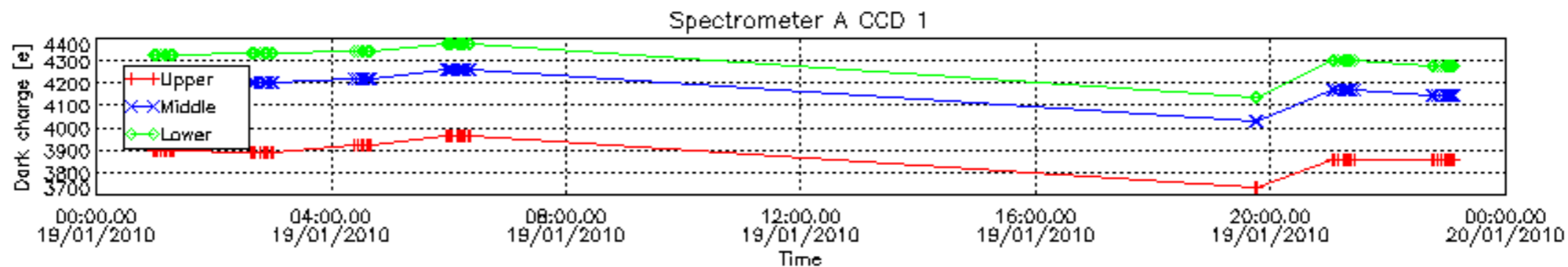
8. Auxiliary Data Files used for the production reported in section 2.4

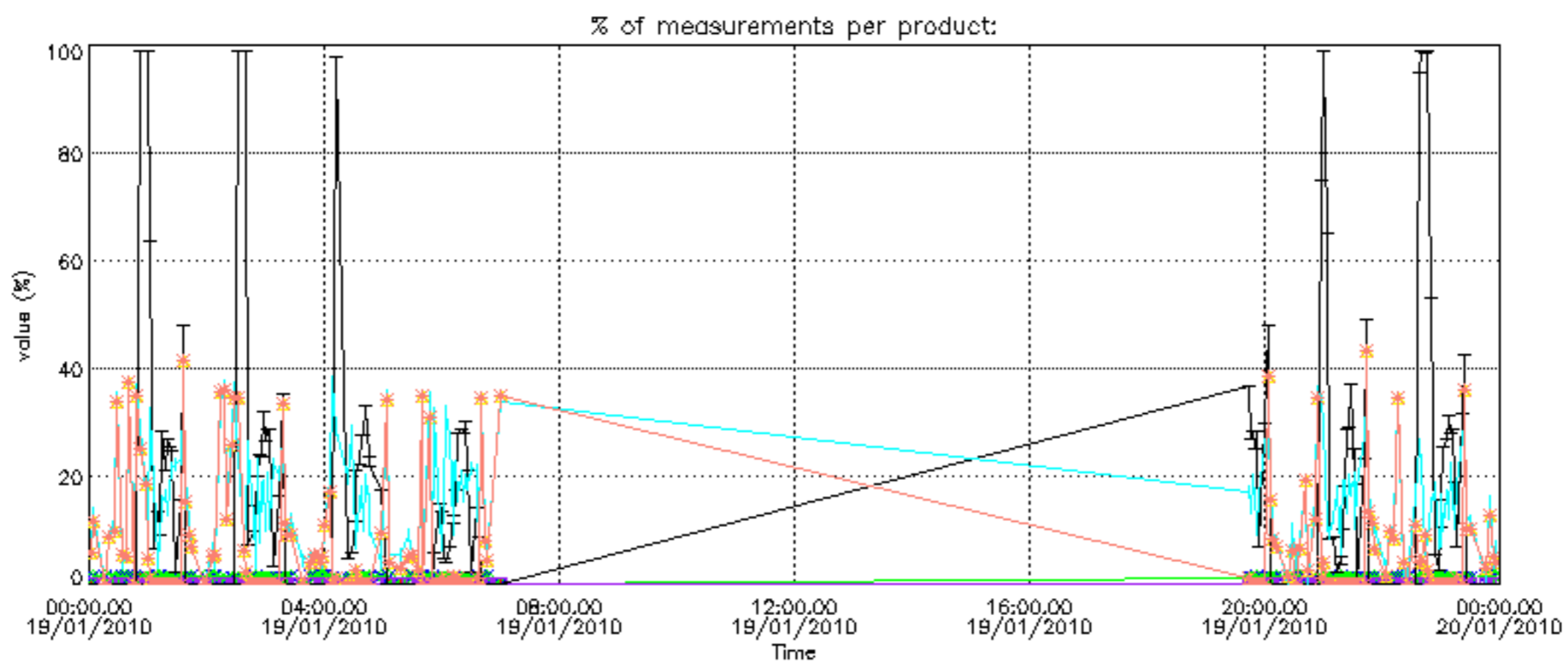
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	19-JAN-2010 00:01:32
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100112_145459_20100110_000000_20500101_000000	1	19-JAN-2010 00:01:32
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	19-JAN-2010 00:01:32
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	19-JAN-2010 00:01:32
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	19-JAN-2010 00:01:32
ECMWF_FILE	AUX_ECF_AXNECM20100118_062112_20100118_210000_20100119_090000	1	19-JAN-2010 00:01:32
ECMWF_FILE	AUX_ECF_AXNECM20100118_180114_20100119_030000_20100119_150000	58	19-JAN-2010 03:46:22
ECMWF_FILE	AUX_ECA_AXNECM20100119_060111_20100118_210000_20100119_090000	80	19-JAN-2010 05:26:59
ECMWF_FILE	AUX_ECA_AXNECM20100119_180111_20100119_090000_20100119_210000	108	19-JAN-2010 19:41:33
ECMWF_FILE	AUX_ECF_AXNECM20100119_062111_20100119_150000_20100120_030000	126	19-JAN-2010 20:52:31
ECMWF_FILE	AUX_ECF_AXNECM20100119_062111_20100119_210000_20100120_090000	156	19-JAN-2010 22:38:53
OPTIONAL_ECMWF_FILE	MISSING	1	19-JAN-2010 00:01:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100118_230616_000057382086_00101_41237_9595.N1	1	19-JAN-2010 00:01:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100119_004712_000054192086_00102_41238_9596.N1	12	19-JAN-2010 00:51:00
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100119_022251_000041442086_00103_41239_9597.N1	36	19-JAN-2010 02:25:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100119_033714_000057382086_00104_41240_9598.N1	58	19-JAN-2010 03:46:22
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100119_051811_000057382086_00105_41241_9599.N1	80	19-JAN-2010 05:26:59
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100119_193855_000038252086_00114_41250_9600.N1	108	19-JAN-2010 19:41:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100119_204759_000060572086_00114_41250_9601.N1	126	19-JAN-2010 20:52:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100119_223415_000057382086_00115_41251_9602.N1	156	19-JAN-2010 22:38:53

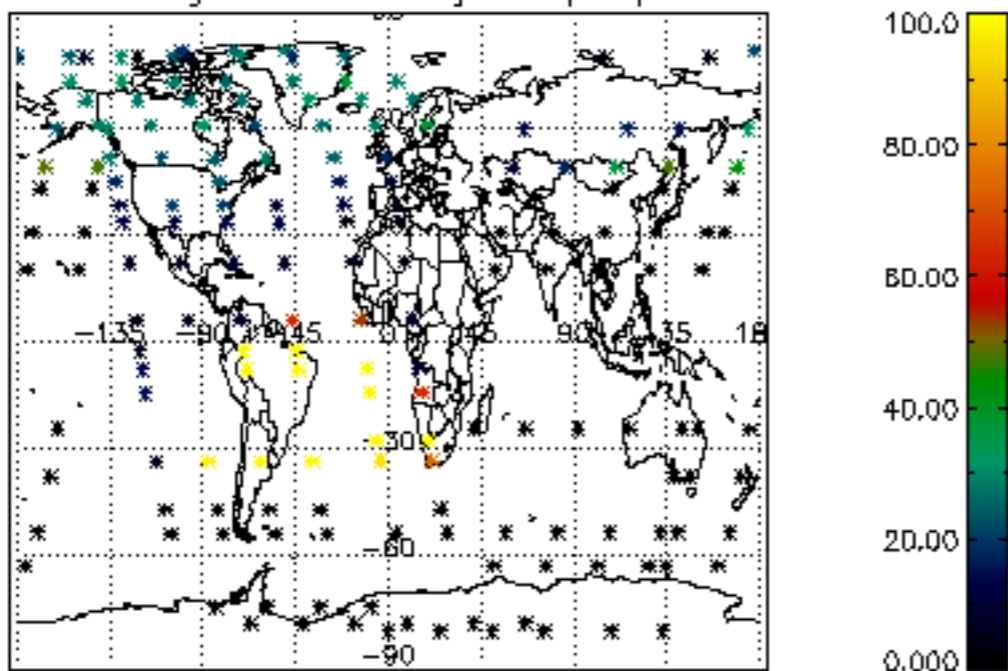




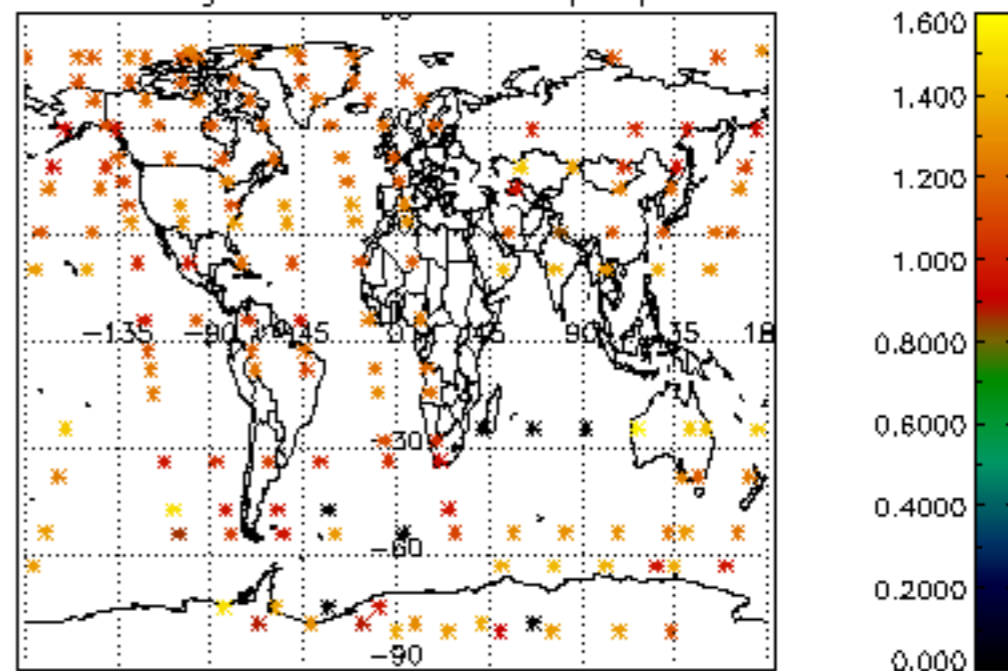




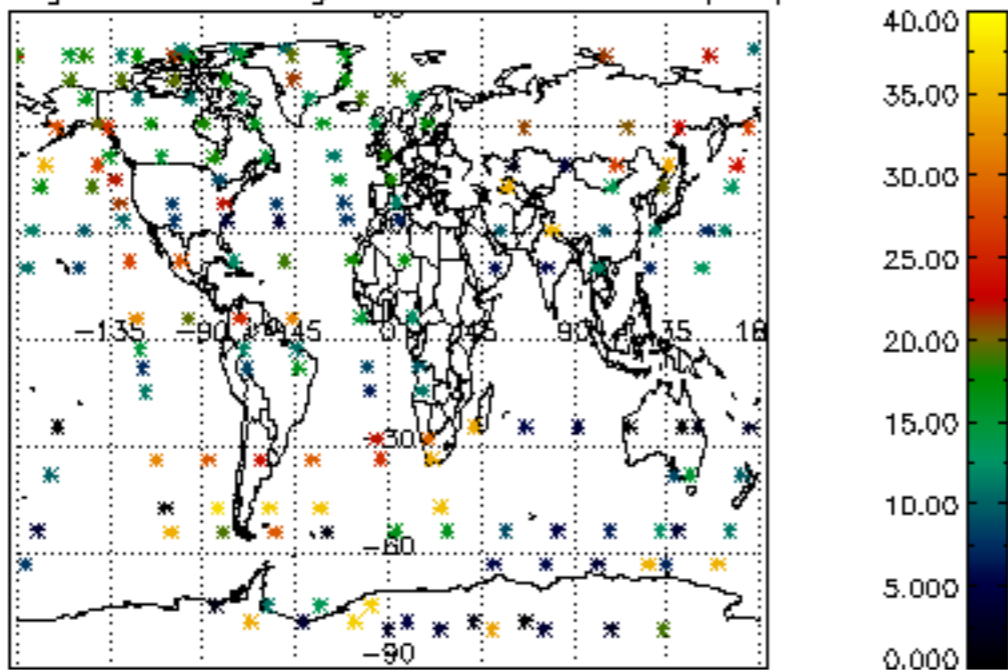
Percentage of cosmic ray hits per profile



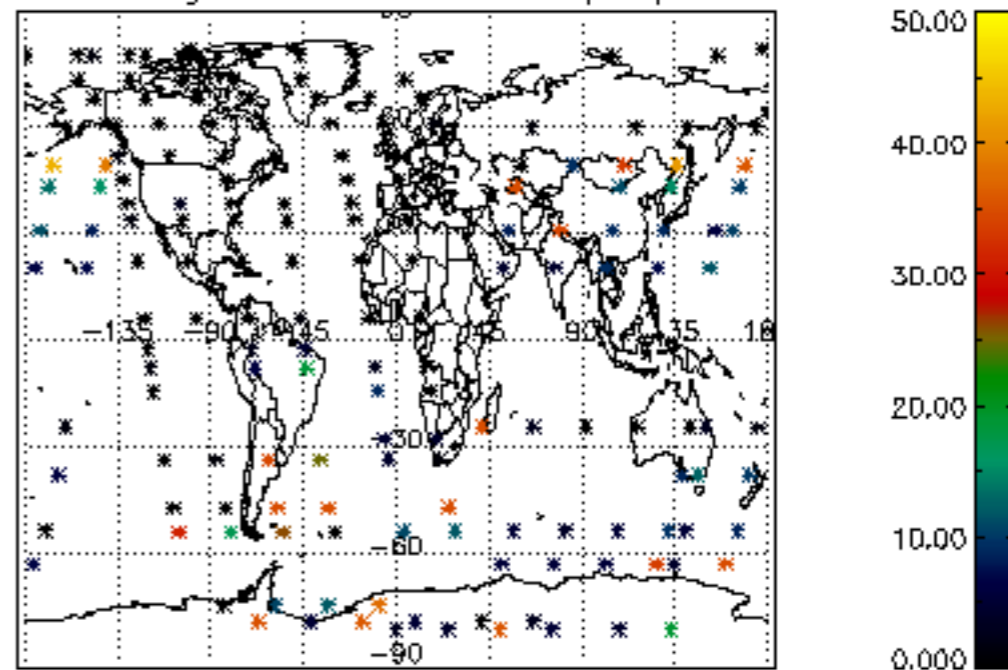
Percentage of datation errors per profile



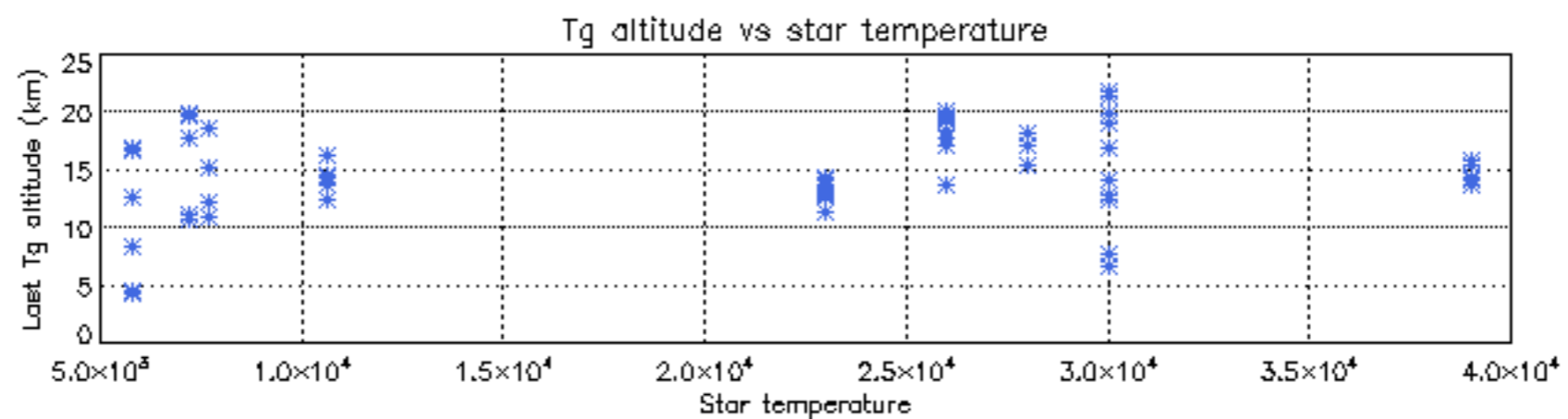
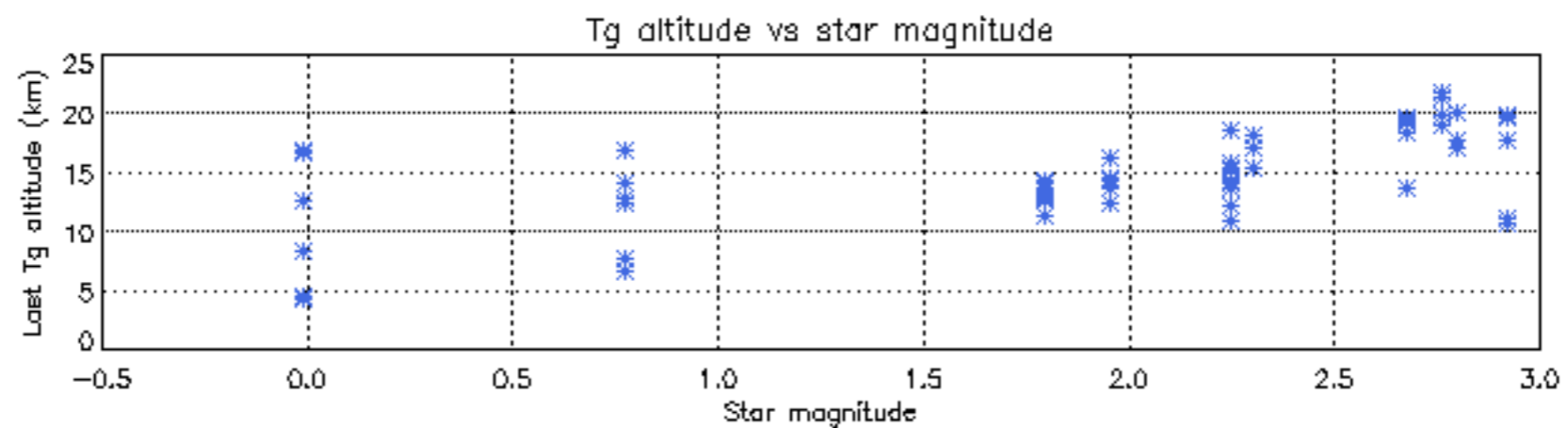
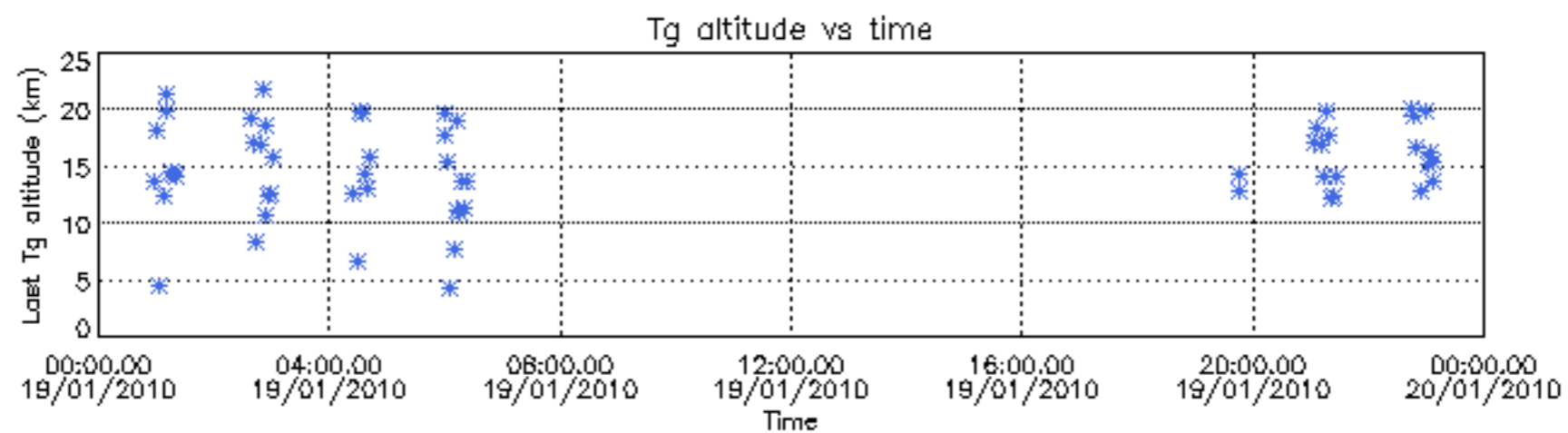
Percentage of star falling outside central band per profile



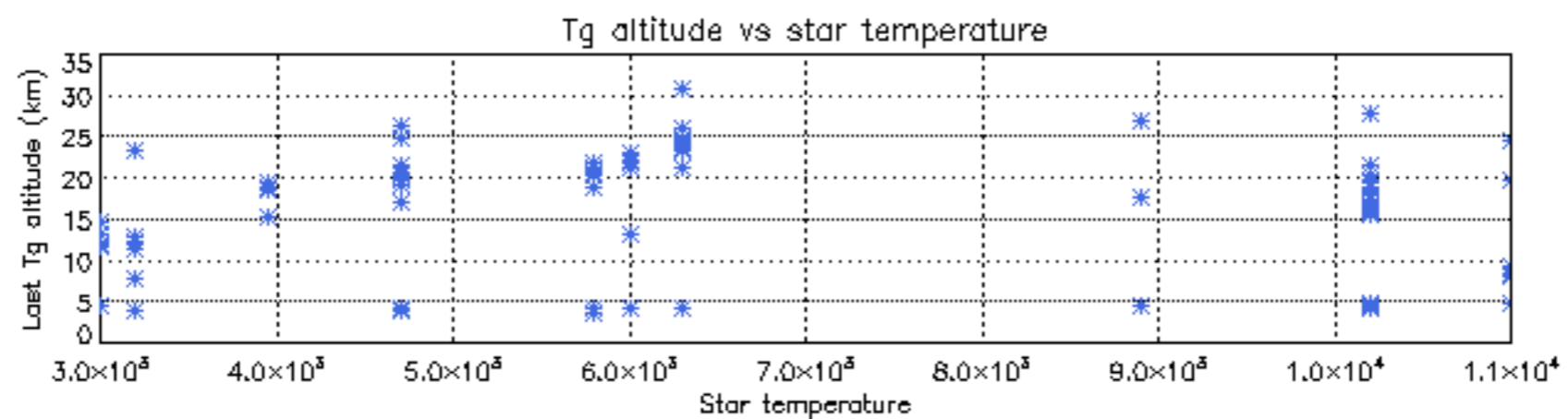
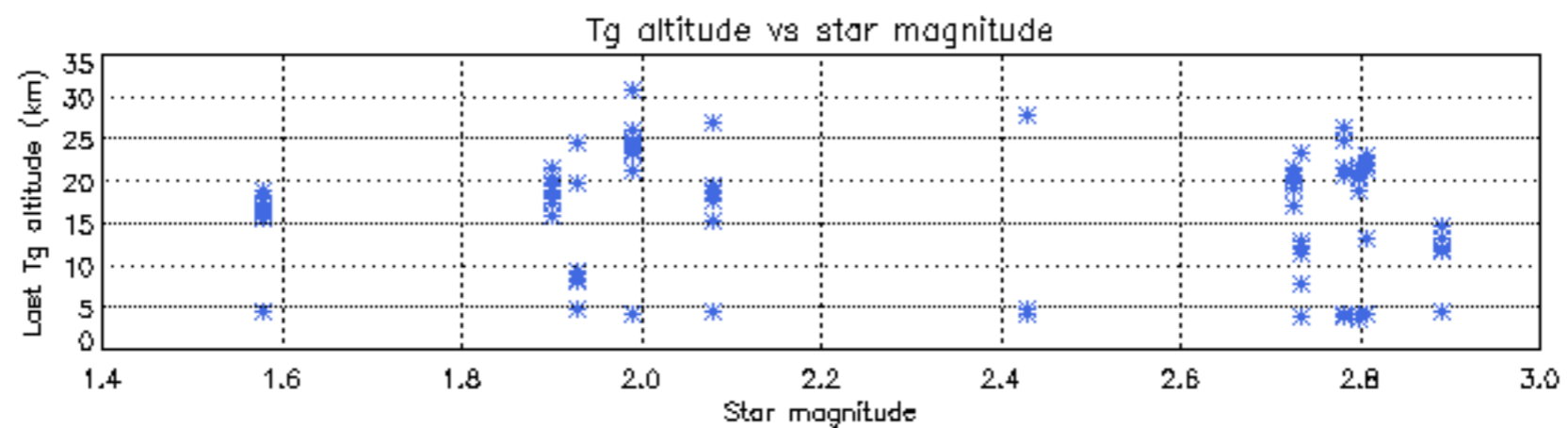
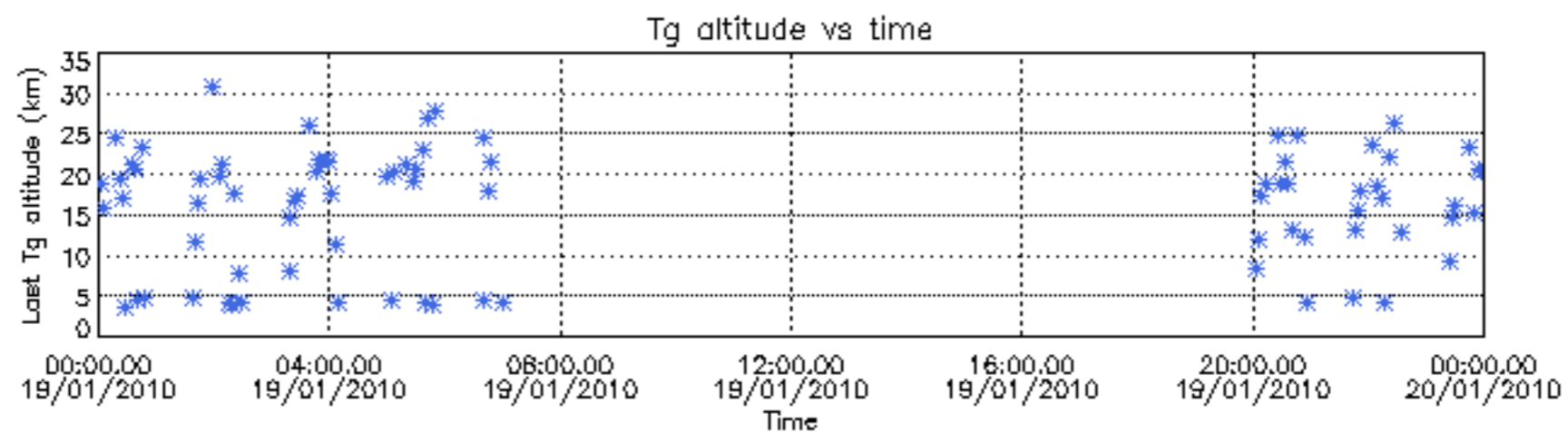
Percentage of saturation errors per profile



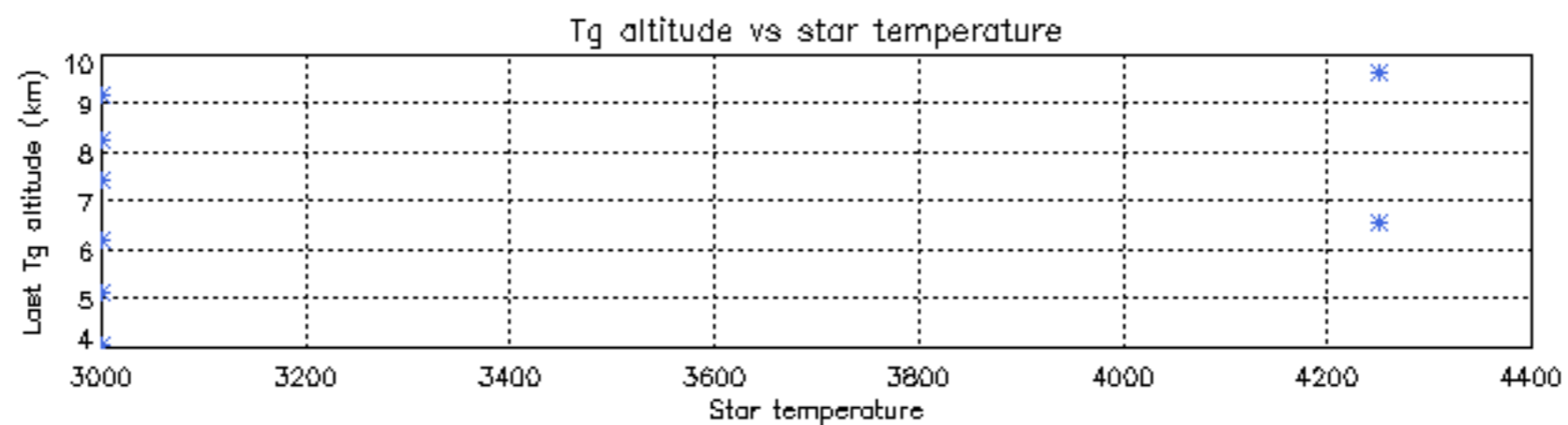
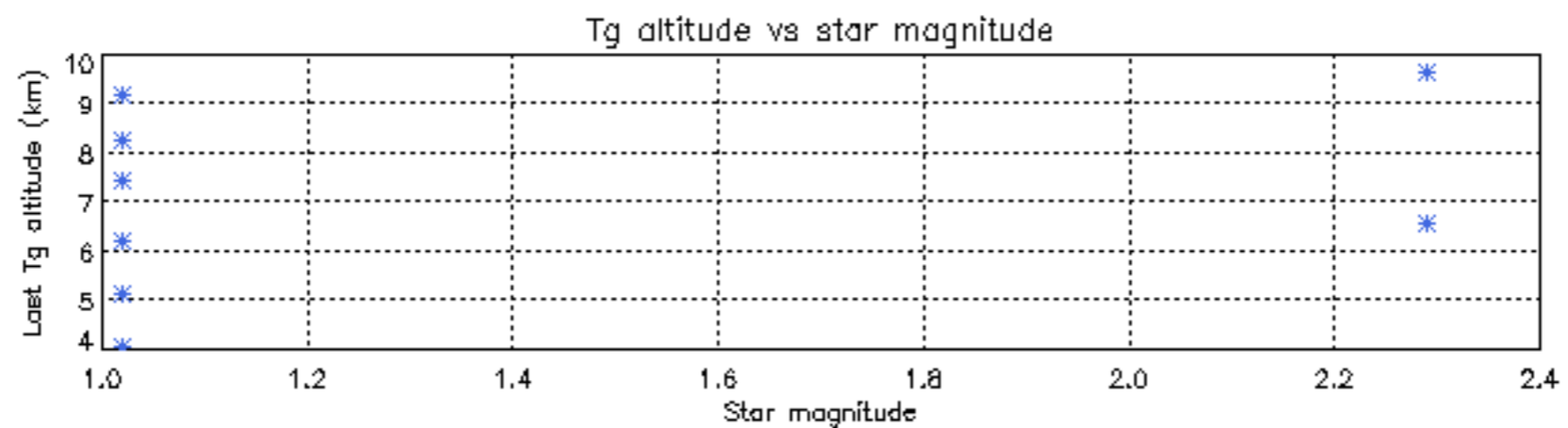
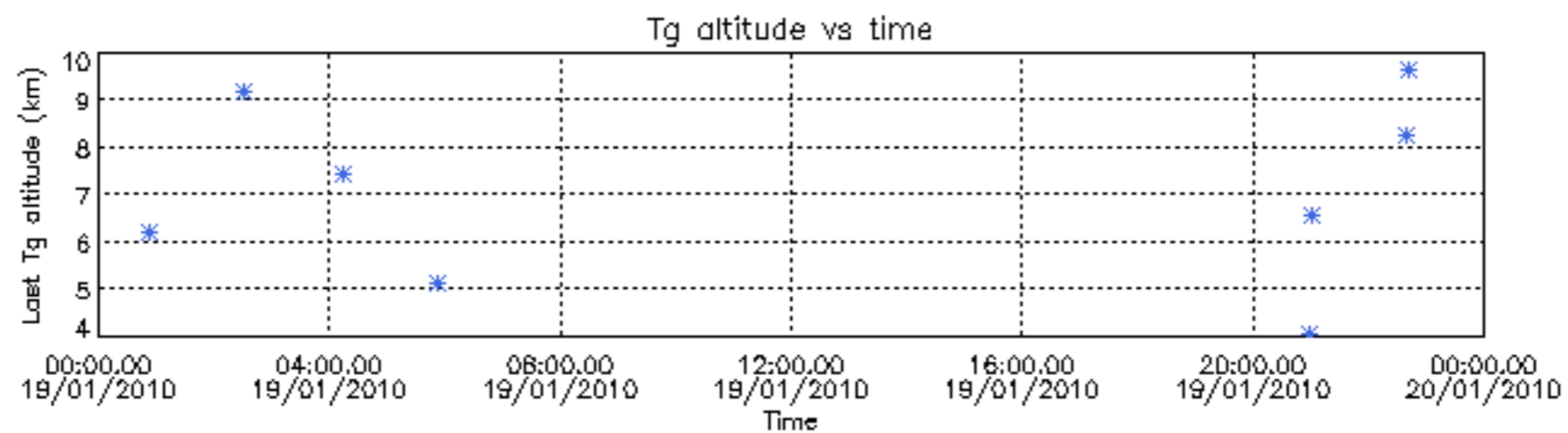
Tangent altitude at which the star is lost

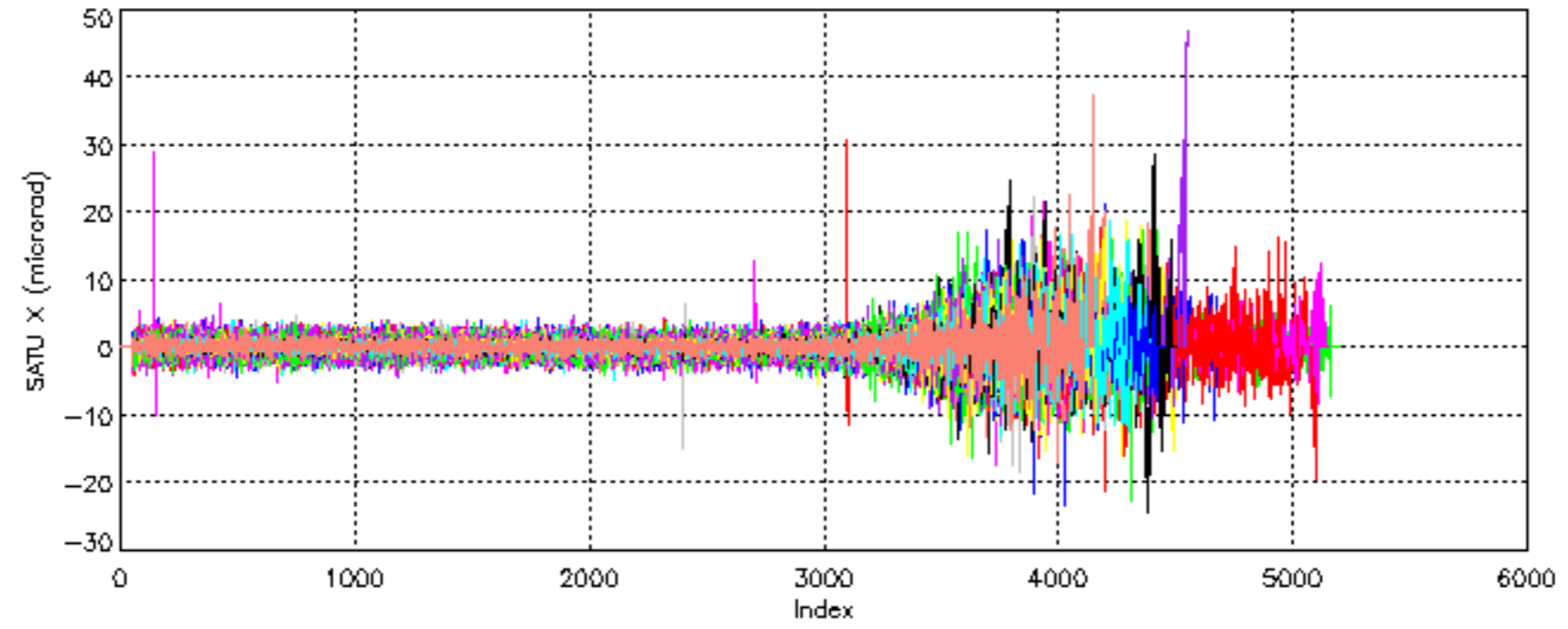


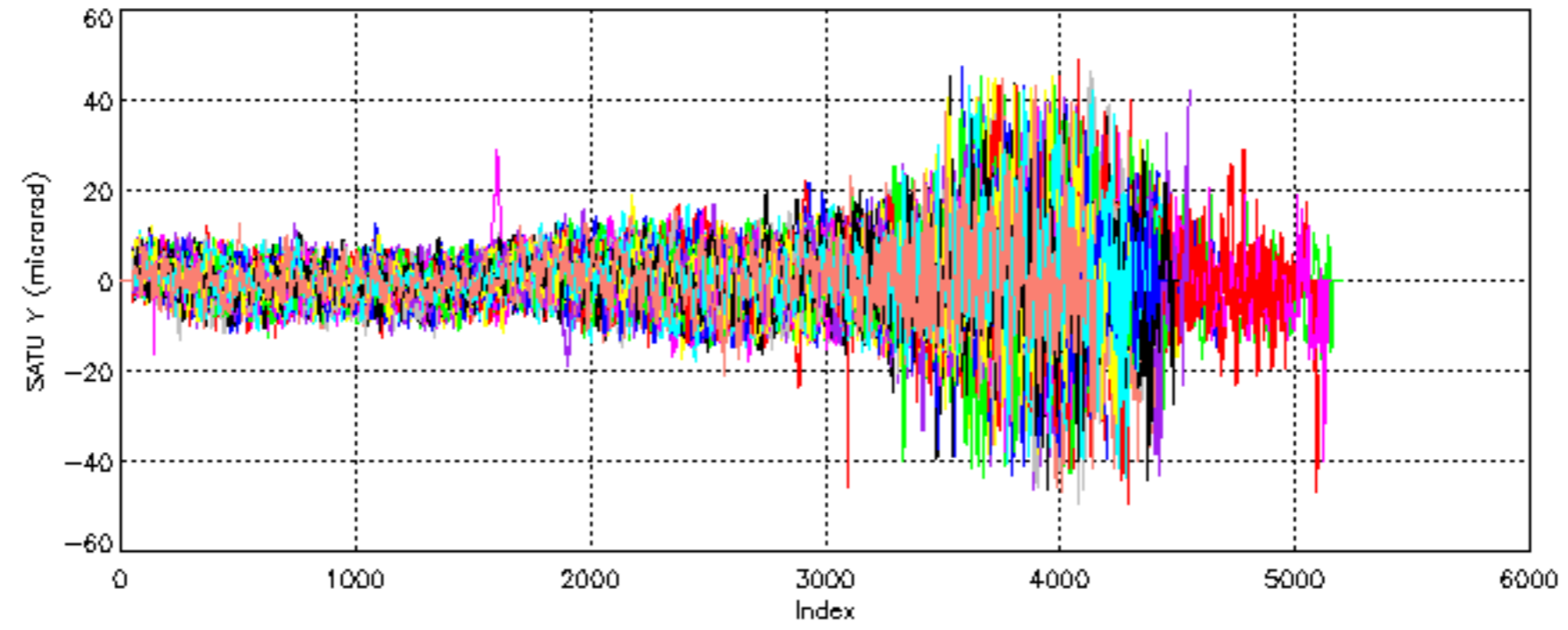
Tangent altitude at which the star is lost

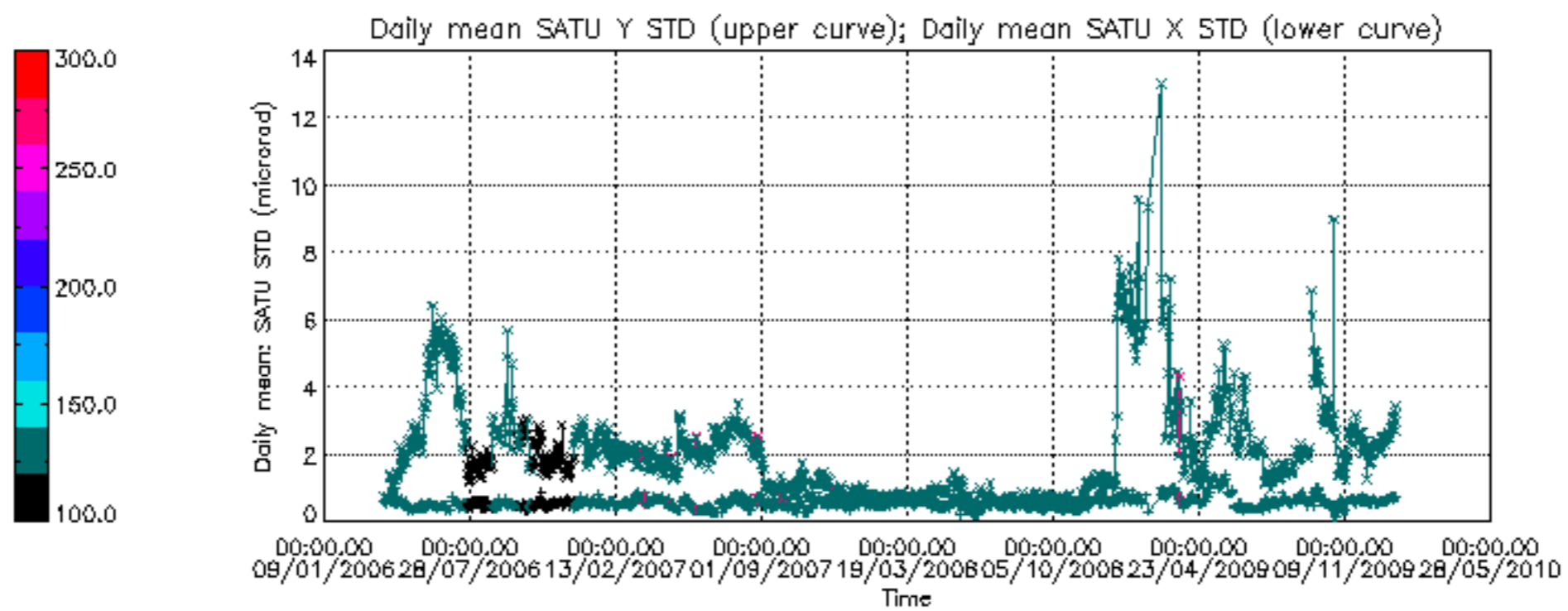


Tangent altitude at which the star is lost









/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

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1;	-838.1;	01-JAN-2010	01:52:36;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	112;	7;	40981
2;	-681.9;	01-JAN-2010	01:55:13;	Dark	;	43.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	87;	0;	40981
3;	-268.9;	01-JAN-2010	02:02:06;	Dark	;	54.0;	54;	5The Cen	;	2.06;	4500;	occ;	108;	0;	40981
4;	-102.9;	01-JAN-2010	02:04:52;	Dark	;	39.5;	95;	Zet Cen	;	2.55;	26000;	occ;	79;	0;	40981
5;	1.6;	01-JAN-2010	02:06:36;	Dark	;	39.5;	77;	Eps Cen	;	2.30;	28000;	occ;	79;	0;	40982
6;	107.0;	01-JAN-2010	02:08:22;	Dark	;	44.0;	64;	Gam Cen	;	2.20;	10600;	occ;	88;	0;	40982
7;	210.8;	01-JAN-2010	02:10:05;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	40982
8;	477.2;	01-JAN-2010	02:14:32;	Dark	;	48.0;	113;	Mu Vel	;	2.69;	5000;	occ;	96;	0;	40982
9;	631.0;	01-JAN-2010	02:17:05;	Dark	;	41.0;	71;	Iot Car	;	2.25;	7700;	occ;	82;	0;	40982
10;	745.4;	01-JAN-2010	02:19:00;	Dark	;	46.0;	46;	Del Vel	;	1.95;	10600;	occ;	92;	0;	40982
11;	916.7;	01-JAN-2010	02:21:51;	Dark	;	46.0;	34;	Gam2Vel	;	1.79;	23000;	occ;	92;	0;	40982
12;	1048.4;	01-JAN-2010	02:24:03;	Dark	;	48.5;	70;	Zet Pup	;	2.25;	39000;	occ;	97;	0;	40982
13;	1172.7;	01-JAN-2010	02:26:07;	Dark	;	48.0;	117;	Pi Pup	;	2.71;	3800;	occ;	96;	0;	40982
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15;	1433.4;	01-JAN-2010	02:30:28;	Dark	;	45.0;	179;	240mi2CMA	;	3.03;	24000;	occ;	90;	0;	40982
16;	1581.5;	01-JAN-2010	02:32:56;	Dark	;	39.5;	1;	9Alp CMA	;	-1.44;	11000;	occ;	79;	0;	40982
17;	1731.0;	01-JAN-2010	02:35:25;	Dark	;	41.5;	56;	53Kap Ori	;	2.07;	30000;	occ;	83;	0;	40982
18;	1881.3;	01-JAN-2010	02:37:56;	Dark	;	41.5;	30;	46Eps Ori	;	1.69;	30000;	occ;	83;	0;	40982
19;	2032.7;	01-JAN-2010	02:40:27;	Dark	;	50.5;	14;	58Alp Ori	;	0.87;	3000;	occ;	101;	0;	40982
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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1;	-2124.7;	01-JAN-2010	03:11:46;	Bright;	;	52.0;	32;	77Eps UMa	;	1.76;	11000;	occ;	104;	0;	40982
2;	-1927.2;	01-JAN-2010	03:15:03;	Bright;	;	66.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	132;	0;	40982
3;	-1682.7;	01-JAN-2010	03:19:08;	Bright;	;	62.0;	180;	27Gam Boo	;	3.04;	8000;	occ;	124;	0;	40982
4;	-1461.4;	01-JAN-2010	03:22:49;	Bright;	;	42.0;	83;		;	2.38;	11000;	occ;	84;	0;	40982
5;	-1264.5;	01-JAN-2010	03:26:06;	Bright;	;	53.5;	3;	16Alp Boo	;	-0.05;	4250;	occ;	107;	0;	40982
6;	-1145.0;	01-JAN-2010	03:28:05;	Bright;	;	35.0;	102;	24Alp Ser	;	2.60;	4250;	occ;	70;	0;	40982
7;	-841.1;	01-JAN-2010	03:33:09;	Bright;	;	45.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	90;	0;	40982
8;	-681.3;	01-JAN-2010	03:35:49;	Dark	;	44.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	89;	0;	40982
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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11;	2.3;	01-JAN-2010	03:47:13;	Dark	;	40.0;	77;	Eps Cen	;	2.30;	28000;	occ;	80;	0;	40983
12;	108.1;	01-JAN-2010	03:48:59;	Dark	;	46.0;	64;	Gam Cen	;	2.20;	10600;	occ;	92;	0;	40983

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14; 478.3; 01-JAN-2010 03:55:09; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40983
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16; 746.1; 01-JAN-2010 03:59:37; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;40983
17; 917.5; 01-JAN-2010 04:02:28; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;40983
18; 1049.0; 01-JAN-2010 04:04:39; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;40983
19; 1173.4; 01-JAN-2010 04:06:44; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;40983
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23; 1731.3; 01-JAN-2010 04:16:02; Dark ; 42.5; 56; 53Kap Ori ; 2.07; 30000;occ; 85; 0;40983
24; 1881.6; 01-JAN-2010 04:18:32; Dark ; 42.0; 30; 46Eps Ori ; 1.69; 30000;occ; 84; 0;40983
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27; 2326.8; 01-JAN-2010 04:25:57; Bright; 49.0; 151; 13Mu Gem ; 2.89; 3000;occ; 98; 0;40983
28; 2566.6; 01-JAN-2010 04:29:57; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;40983
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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3; -1927.8; 01-JAN-2010 04:55:39; Bright; 44.5; 39; 85Eta UMa ; 1.85; 24000;occ; 89; 0;40983
4; -1682.9; 01-JAN-2010 04:59:44; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;40983
5; -1461.0; 01-JAN-2010 05:03:25; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;40983
6; -1264.0; 01-JAN-2010 05:06:42; Bright; 52.5; 3; 16Alp Boo ; -0.05; 4250;occ; 105; 0;40983
7; -1144.6; 01-JAN-2010 05:08:42; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;40983
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9; -680.6; 01-JAN-2010 05:16:26; Dark ; 43.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 87; 0;40983
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11; -101.5; 01-JAN-2010 05:26:05; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;40983
12; 2.9; 01-JAN-2010 05:27:49; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;40984
13; 108.8; 01-JAN-2010 05:29:35; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;40984
14; 212.6; 01-JAN-2010 05:31:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40984
15; 479.0; 01-JAN-2010 05:35:45; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40984
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22; 1434.4; 01-JAN-2010 05:51:41; Dark ; 43.5; 179; 240mi2CMa ; 3.03; 24000;occ; 87; 0;40984
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26; 2032.5; 01-JAN-2010 06:01:39; Dark ; 51.0; 14; 58Alp Ori ; 0.87; 3000;occ; 102; 0;40984
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28; 2326.6; 01-JAN-2010 06:06:33; Bright; 49.5; 151; 13Mu Gem ; 2.89; 3000;occ; 99; 0;40984
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2; 1053.9; 01-JAN-2010 20:50:44; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;40993
3; 1176.8; 01-JAN-2010 20:52:47; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;40993
4; 1344.0; 01-JAN-2010 20:55:34; Dark ; 46.5; 23; 21Eps CMa ; 1.50; 26000;occ; 93; 0;40993
5; 1436.1; 01-JAN-2010 20:57:06; Dark ; 43.5; 179; 240mi2CMa ; 3.03; 24000;occ; 87; 0;40993
6; 1583.1; 01-JAN-2010 20:59:33; Dark ; 48.5; 1; 9Alp CMa ; -1.44; 11000;occ; 97; 0;40993
7; 1732.0; 01-JAN-2010 21:02:02; Dark ; 39.5; 56; 53Kap Ori ; 2.07; 30000;occ; 79; 0;40993
8; 1868.2; 01-JAN-2010 21:04:18; Dark ; 40.5; 33; 50Zet Ori ; 1.77; 30000;occ; 81; 0;40993
9; 2031.9; 01-JAN-2010 21:07:02; Dark ; 52.0; 14; 58Alp Ori ; 0.87; 3000;occ; 104; 0;40993
10; 2225.3; 01-JAN-2010 21:10:15; Dark ; 51.0; 44; 24Gam Gem ; 1.93; 11000;occ; 102; 0;40993
11; 2323.7; 01-JAN-2010 21:11:54; Bright; 47.0; 151; 13Mu Gem ; 2.89; 3000;occ; 94; 0;40993
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13; 2691.6; 01-JAN-2010 21:18:01; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;40993
14; 3689.9; 01-JAN-2010 21:34:40; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;40993
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
17; 4353.2; 01-JAN-2010 21:45:43; Bright; 63.0; 180; 27Gam Boo ; 3.04; 8000;occ; 126; 0;40993
18; 4576.8; 01-JAN-2010 21:49:27; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;40993

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3; -95.4; 01-JAN-2010 22:12:10; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;40993
4; 8.7; 01-JAN-2010 22:13:55; Dark ; 39.0; 77; Eps Cen ; 2.30; 28000;occ; 78; 0;40994
5; 117.0; 01-JAN-2010 22:15:43; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;40994
6; 221.9; 01-JAN-2010 22:17:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40994
7; 488.0; 01-JAN-2010 22:21:54; Dark ; 48.5; 113; Mu Vel ; 2.69; 5000;occ; 97; 0;40994
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13; 1344.3; 01-JAN-2010 22:36:10; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;40994
14; 1436.2; 01-JAN-2010 22:37:42; Dark ; 43.5; 179; 240mi2CMa ; 3.03; 24000;occ; 87; 0;40994
15; 1583.3; 01-JAN-2010 22:40:09; Dark ; 40.0; 1; 9Alp CMa ; -1.44; 11000;occ; 80; 0;40994
16; 1732.0; 01-JAN-2010 22:42:38; Dark ; 36.0; 56; 53Kap Ori ; 2.07; 30000;occ; 72; 0;40994
17; 1868.3; 01-JAN-2010 22:44:54; Dark ; 42.0; 33; 50Zet Ori ; 1.77; 30000;occ; 84; 0;40994
18; 2032.0; 01-JAN-2010 22:47:38; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;40994
19; 2225.0; 01-JAN-2010 22:50:51; Dark ; 51.5; 44; 24Gam Gem ; 1.93; 11000;occ; 103; 0;40994
20; 2323.3; 01-JAN-2010 22:52:29; Bright; 47.0; 151; 13Mu Gem ; 2.89; 3000;occ; 94; 0;40994
21; 2563.8; 01-JAN-2010 22:56:30; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;40994
22; 2691.3; 01-JAN-2010 22:58:37; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;40994
23; 3689.6; 01-JAN-2010 23:15:15; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;40994
24; 3906.1; 01-JAN-2010 23:18:52; Bright; 50.0; 32; 77Eps UMa ; 1.76; 11000;occ; 100; 0;40994
25; 4106.1; 01-JAN-2010 23:22:12; Bright; 45.5; 39; 85Eta UMa ; 1.85; 24000;occ; 91; 0;40994
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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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21;	1345.5;	02-JAN-2010	06:59:11;	Dark	;	47.5;	23;	21Eps CMA	;	1.50;	26000;occ;	95;	0;40999
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23;	1583.8;	02-JAN-2010	07:03:09;	Dark	;	50.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	100;	0;40999
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6;	2562.7;	02-JAN-2010	07:19:28;	Bright;	;	38.5;	107;	37The Aur	;	2.65;	11000;occ;	77;	0;40999
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8;	3689.3;	02-JAN-2010	07:38:15;	Bright;	;	39.0;	60;	7Bet UMi	;	2.08;	3950;occ;	78;	0;40999
9;	3904.1;	02-JAN-2010	07:41:50;	Bright;	;	46.5;	32;	77Eps UMA	;	1.76;	11000;occ;	93;	0;40999
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13;	4779.1;	02-JAN-2010	07:56:25;	Bright;	;	55.0;	3;	16Alp Boo	;	-0.05;	4250;occ;	110;	0;40999
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15;	5202.8;	02-JAN-2010	08:03:28;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;occ;	112;	0;40999
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 23; 6676.8; 02-JAN-2010 08:28:02; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40999
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 27; 7215.4; 02-JAN-2010 08:37:01; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;40999
 28; 7381.8; 02-JAN-2010 08:39:47; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;40999
 29; 7473.8; 02-JAN-2010 08:41:19; Dark ; 44.5; 179; 240mi2CMa ; 3.03; 24000;occ; 89; 0;40999
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 31; 7769.1; 02-JAN-2010 08:46:15; Dark ; 42.0; 56; 53Kap Ori ; 2.07; 30000;occ; 84; 0;40999

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 18; 5781.9; 02-JAN-2010 11:34:19; Dark ; 51.5; 54; 5The Cen ; 2.06; 4500;occ; 103; 0;41001
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20; 6277.4; 03-JAN-2010 09:30:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41014
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22; 6684.5; 03-JAN-2010 09:37:09; Dark ; 46.0; 71; Iot Car ; 2.25; 7700;occ; 92; 0;41014
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24; 6969.3; 03-JAN-2010 09:41:54; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;41014
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27; 7385.7; 03-JAN-2010 09:48:50; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;41014
28; 7476.7; 03-JAN-2010 09:50:21; Dark ; 44.5; 179; 240mi2CMa ; 3.03; 24000;occ; 89; 0;41014
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 3; 2317.6; 03-JAN-2010 10:04:58; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;41015
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 5; 2690.0; 03-JAN-2010 10:11:10; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;41015
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9; 4354.1; 03-JAN-2010 10:38:54; Bright; 44.0; 180; 27Gam Boo ; 3.04; 8000;occ; 88; 0;41015
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12; 4901.2; 03-JAN-2010 10:48:02; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 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
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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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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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13; 4786.8; 03-JAN-2010 12:26:43; Bright; 52.0; 3; 16Alp Boo ;-0.05; 4250;occ; 104; 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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10; 4100.9; 03-JAN-2010 13:55:53; Bright; 50.0; 39; 85Eta UMa ; 1.85; 24000;occ; 100; 0;41017
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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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 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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 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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 17; 2031.1; 04-JAN-2010 22:53:22; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;41037
 18; 2212.7; 04-JAN-2010 22:56:23; Dark ; 49.0; 44; 24Gam Gem ; 1.93; 11000;occ; 98; 0;41037
 19; 2312.3; 04-JAN-2010 22:58:03; Bright; 44.0; 151; 13Mu Gem ; 2.89; 3000;occ; 88; 0;41037
 20; 2554.7; 04-JAN-2010 23:02:05; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;41037
 21; 2688.2; 04-JAN-2010 23:04:19; Bright; 40.0; 42; 34Bet Aur ; 1.90; 10200;occ; 80; 0;41037
 22; 3685.0; 04-JAN-2010 23:20:56; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;41037
 23; 3952.2; 04-JAN-2010 23:25:23; Bright; 47.5; 55; 79Zet UMa ; 2.06; 10200;occ; 95; 0;41037
 24; 4354.6; 04-JAN-2010 23:32:05; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;41037
 25; 4586.8; 04-JAN-2010 23:35:58; Bright; 65.0; 83; ; 2.38; 11000;occ; 130; 0;41037
 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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 3; -226.2; 04-JAN-2010 23:56:20; Dark ; 50.5; 54; 5The Cen ; 2.06; 4500;occ; 101; 0;41037
 4; -67.0; 04-JAN-2010 23:59:00; Dark ; 43.0; 95; Zet Cen ; 2.55; 26000;occ; 86; 0;41037
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 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
 10; 774.8; 05-JAN-2010 00:13:01; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;41038
 11; 944.3; 05-JAN-2010 00:15:51; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;41038
 12; 1075.6; 05-JAN-2010 00:18:02; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;41038
 13; 1192.2; 05-JAN-2010 00:19:59; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;41038
 14; 1355.7; 05-JAN-2010 00:22:42; Dark ; 43.5; 23; 21Eps CMa ; 1.50; 26000;occ; 87; 0;41038
 15; 1445.6; 05-JAN-2010 00:24:12; Dark ; 43.5; 179; 240mi2CMa ; 3.03; 24000;occ; 87; 0;41038

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

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

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

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 3; 2214.7; 04-JAN-2010 09:31:38; Dark ; 44.0; 44; 24Gam Gem ; 1.93; 11000;occ; 88; 0;41029
 4; 2314.1; 04-JAN-2010 09:33:17; Bright; 58.0; 151; 13Mu Gem ; 2.89; 3000;occ; 116; 0;41029

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

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

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

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5; 51.6; 06-JAN-2010 22:57:44; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41066
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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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13; 1201.2; 06-JAN-2010 23:16:54; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;41066
14; 1362.2; 06-JAN-2010 23:19:35; Dark ; 45.5; 23; 21Eps CMa ; 1.50; 26000;occ; 91; 0;41066
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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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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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23;	2205.3;	07-JAN-2010	04:35:26;	Dark	;	45.5;	44;	24Gam Gem	;	1.93;	11000;occ;	91;	0;	41069
24;	2305.5;	07-JAN-2010	04:37:06;	Bright;		46.0;	151;	13Mu Gem	;	2.89;	3000;occ;	92;	0;	41069
25;	2549.8;	07-JAN-2010	04:41:10;	Bright;		38.5;	107;	37The Aur	;	2.65;	11000;occ;	77;	0;	41069
26;	2682.8;	07-JAN-2010	04:43:23;	Bright;		38.0;	42;	34Bet Aur	;	1.90;	10200;occ;	76;	0;	41069
27;	3681.1;	07-JAN-2010	05:00:01;	Bright;		3.5;	60;	7Bet UMi	;	2.08;	3950;occ;	7;	0;	41069
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1;	-2354.9;	07-JAN-2010	05:00:01;	Bright;		43.0;	60;	7Bet UMi	;	2.08;	3950;occ;	86;	0;	41069
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;	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
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 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
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 9; 3924.5; 08-JAN-2010 09:34:16; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;41086
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 13; 5059.7; 08-JAN-2010 09:53:11; Bright; 53.0; 120; 1Del Oph ; 2.73; 3200;occ; 106; 0;41086
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13; 449.2; 29-JAN-2010 07:35:58; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;41386
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12; 4913.8; 29-JAN-2010 08:50:23; Bright; 35.5; 126; 60Bet Oph ; 2.77; 4250;occ; 71; 0;41386
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5; 3427.6; 29-JAN-2010 10:06:12; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;41387
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 6; 3622.6; 29-JAN-2010 11:50:03; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;41388
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 19; 6486.8; 29-JAN-2010 12:37:48; Dark ; 43.0; 12; Alp1Cru ; 0.77; 30000;occ; 86; 0;41388
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 22; 6847.5; 29-JAN-2010 12:43:48; Dark ; 46.0; 71; Iot Car ; 2.25; 7700;occ; 92; 0;41388
 23; 6953.3; 29-JAN-2010 12:45:34; Dark ; 38.5; 46; Del Vel ; 1.95; 10600;occ; 77; 0;41388
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 25; 7232.0; 29-JAN-2010 12:50:13; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;41388
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 3; 2338.0; 29-JAN-2010 13:09:15; Bright; 38.0; 170; 27Eps Gem ; 3.00; 9700;occ; 76; 0;41389
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 6; 3622.0; 29-JAN-2010 13:30:39; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41389
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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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