

GOMOS Daily Report 13-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	16JAN2010 04:56:21
Data source version	GOMOS/5.00L04
Start time of products	13JAN2010 00:05:28
Stop time of products	13JAN2010 23:59:26
Store outputs in DB	Yes
Nb of level 1b prods	163
Nb of prods with errors	2

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

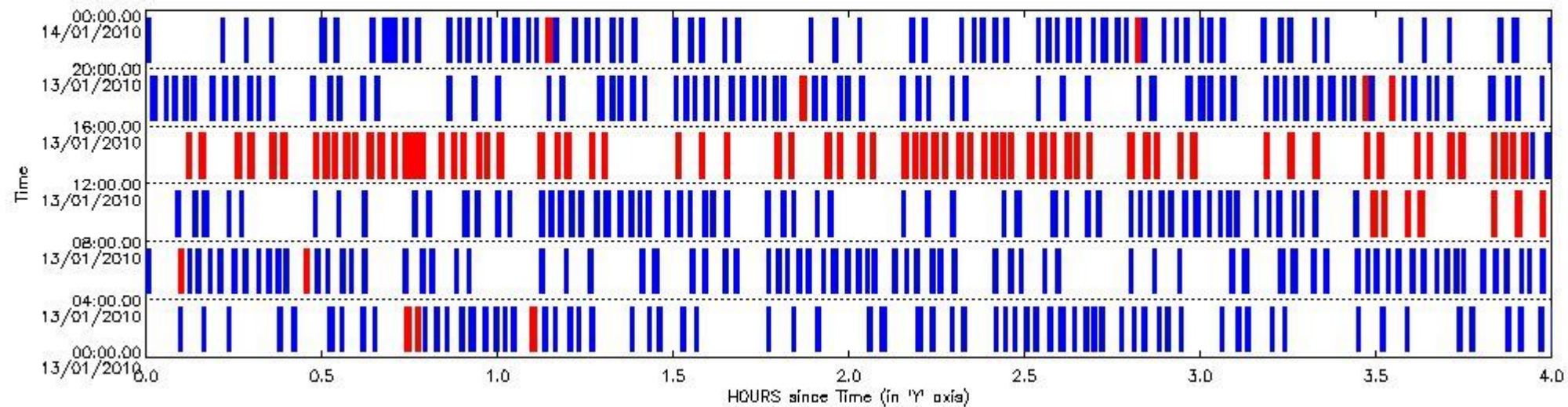
2.1 Level 0 products arrived in PCF (see template [here](#))

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
13-JAN-2010 00:44:12	GamLup	131	41152
13-JAN-2010 00:45:53	BetLup	109	41152
13-JAN-2010 01:05:38	Gam2Vel	34	41153
13-JAN-2010 04:05:25	GamLup	131	41154
13-JAN-2010 04:26:50	Gam2Vel	34	41155
13-JAN-2010 11:29:11	24GamGem	44	41159
13-JAN-2010 11:30:53	13MuGem	151	41159
13-JAN-2010 11:35:01	37TheAur	107	41159
13-JAN-2010 11:37:12	34BetAur	42	41159
13-JAN-2010 11:49:44	1AlpUMi	49	41159
13-JAN-2010 11:53:47	7BetUMi	60	41159
13-JAN-2010 11:58:03	14EtaDra	119	41159
13-JAN-2010 12:06:49	40ZetHer	133	41159
13-JAN-2010 12:09:01	5AlpCrB	67	41159
13-JAN-2010 12:15:16	24AlpSer	102	41159

13-JAN-2010 12:17:26	1DelOph	120	41159
13-JAN-2010 12:20:57	27BetLib	104	41159
13-JAN-2010 12:22:59	7DelSco	80	41159
13-JAN-2010 12:28:27	GamLup	131	41159
13-JAN-2010 12:30:09	BetLup	109	41159
13-JAN-2010 12:31:39	AlpLup	78	41159
13-JAN-2010 12:33:37	ZetCen	95	41160
13-JAN-2010 12:35:15	BetCen	10	41160
13-JAN-2010 12:37:46	BetCru	20	41160
13-JAN-2010 12:39:33	DSA1053	0	41160
13-JAN-2010 12:41:57	TheCar	124	41160
13-JAN-2010 12:43:44	MuVel	113	41160
13-JAN-2010 12:45:15	lotCar	71	41160
13-JAN-2010 12:46:33	EpsCar	41	41160
13-JAN-2010 12:49:52	Gam2Vel	34	41160
13-JAN-2010 12:52:01	ZetPup	70	41160
13-JAN-2010 12:53:44	PiPup	117	41160
13-JAN-2010 12:56:19	21EpsCMa	23	41160
13-JAN-2010 12:57:45	24Omi2CMa	179	41160
13-JAN-2010 13:00:00	9AlpCMa	1	41160
13-JAN-2010 13:06:56	10AlpCMi	8	41160
13-JAN-2010 13:09:46	24GamGem	44	41160
13-JAN-2010 13:11:29	13MuGem	151	41160
13-JAN-2010 13:15:37	37TheAur	107	41160
13-JAN-2010 13:17:48	34BetAur	42	41160
13-JAN-2010 13:30:20	1AlpUMi	49	41160
13-JAN-2010 13:34:23	7BetUMi	60	41160
13-JAN-2010 13:38:38	14EtaDra	119	41160
13-JAN-2010 13:47:25	40ZetHer	133	41160
13-JAN-2010 13:49:37	5AlpCrB	67	41160
13-JAN-2010 13:55:53	24AlpSer	102	41160
13-JAN-2010 13:58:02	1DelOph	120	41160
13-JAN-2010 14:01:34	27BetLib	104	41160
13-JAN-2010 14:03:35	7DelSco	80	41160
13-JAN-2010 14:09:04	GamLup	131	41160
13-JAN-2010 14:10:45	BetLup	109	41160
13-JAN-2010 14:12:16	AlpLup	78	41160
13-JAN-2010 14:14:14	ZetCen	95	41161
13-JAN-2010 14:15:52	BetCen	10	41161
13-JAN-2010 14:18:23	BetCru	20	41161
13-JAN-2010 14:20:10	DSA1053	0	41161
13-JAN-2010 14:22:33	TheCar	124	41161
13-JAN-2010 14:24:20	MuVel	113	41161
13-JAN-2010 14:25:51	lotCar	71	41161
13-JAN-2010 14:27:09	EpsCar	41	41161
13-JAN-2010 14:30:28	Gam2Vel	34	41161
13-JAN-2010 14:32:38	ZetPup	70	41161
13-JAN-2010 14:34:21	PiPup	117	41161
13-JAN-2010 14:36:55	21EpsCMa	23	41161
13-JAN-2010 14:38:21	24Omi2CMa	179	41161
13-JAN-2010 14:40:36	9AlpCMa	1	41161
13-JAN-2010 14:47:31	10AlpCMi	8	41161
13-JAN-2010 14:50:22	24GamGem	44	41161
13-JAN-2010 14:52:05	13MuGem	151	41161
13-JAN-2010 14:56:12	37TheAur	107	41161
13-JAN-2010 14:58:24	34BetAur	42	41161
13-JAN-2010 15:10:56	1AlpUMi	49	41161
13-JAN-2010 15:14:59	7BetUMi	60	41161
13-JAN-2010 15:19:14	14EtaDra	119	41161

13-JAN-2010 15:28:01	40ZetHer	133	41161
13-JAN-2010 15:30:13	5AlpCrB	67	41161
13-JAN-2010 15:36:29	24AlpSer	102	41161
13-JAN-2010 15:38:38	1DelOph	120	41161
13-JAN-2010 15:42:10	27BetLib	104	41161
13-JAN-2010 15:44:12	7DelSco	80	41161
13-JAN-2010 15:49:40	GamLup	131	41161
13-JAN-2010 15:51:22	BetLup	109	41161
13-JAN-2010 15:52:52	AlpLup	78	41161
13-JAN-2010 15:54:50	ZetCen	95	41162
13-JAN-2010 17:51:41	Gam2Vel	34	41163
13-JAN-2010 19:27:41	lotCar	71	41164
13-JAN-2010 19:32:17	Gam2Vel	34	41164
13-JAN-2010 21:08:17	lotCar	71	41165
13-JAN-2010 22:48:53	lotCar	71	41166

2.4 Summary of processed GOM_TRA_1P products

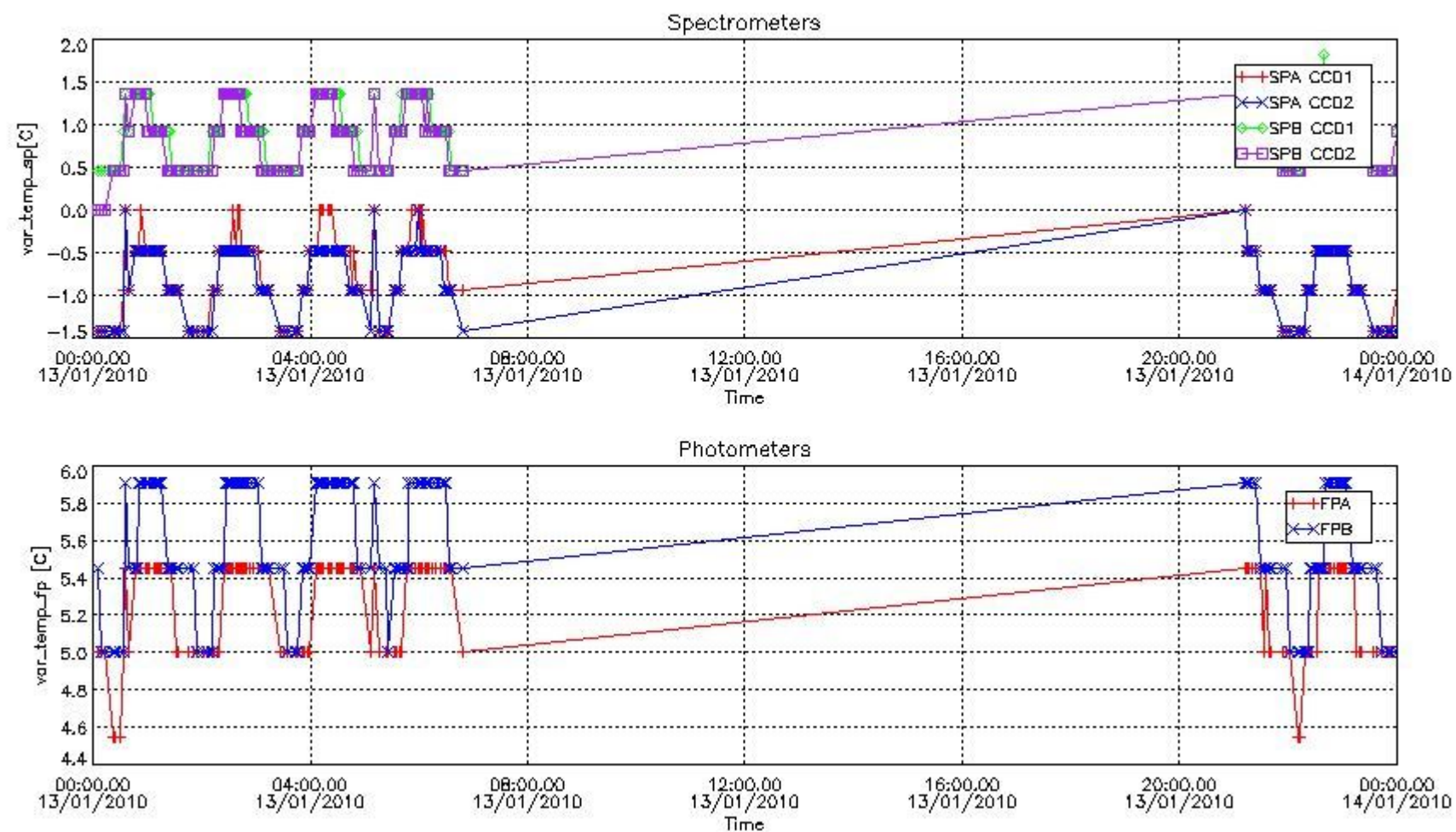
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100113_000528_000000322086_00016_41152_4175.N1	13-JAN-2010 00:05:28	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	41152	No
2	GOM_TRA_1PNPDE20100113_000931_000000362086_00016_41152_4176.N1	13-JAN-2010 00:09:31	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	41152	No
3	GOM_TRA_1PNPDE20100113_001346_000000382086_00016_41152_4177.N1	13-JAN-2010 00:13:46	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	41152	No
4	GOM_TRA_1PNPDE20100113_002231_000000372086_00016_41152_4178.N1	13-JAN-2010 00:22:31	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	41152	No
5	GOM_TRA_1PNPDE20100113_002442_000000612086_00016_41152_4179.N1	13-JAN-2010 00:24:42	Bright	61.000	67	5Alp CrB	2.2210	11000.	122	41152	No
6	GOM_TRA_1PNPDE20100113_003056_000000592086_00016_41152_4180.N1	13-JAN-2010 00:30:56	Bright	58.500	102	24Alp Ser	2.6000	4250.0	117	41152	No
7	GOM_TRA_1PNPDE20100113_003306_000000402086_00016_41152_4181.N1	13-JAN-2010 00:33:06	Bright	39.500	120	1Del Oph	2.7340	3200.0	79	41152	No
8	GOM_TRA_1PNPDE20100113_003635_000000492086_00016_41152_4176.N1	13-JAN-2010 00:36:35	Twilight	49.000	104	27Bet Lib	2.6140	13100.	98	41152	Yes
9	GOM_TRA_1PNPDE20100113_003839_000000442086_00016_41152_4177.N1	13-JAN-2010 00:38:39	Twilight	44.000	80	7Del Sco	2.3160	30000.	88	41152	No
10	GOM_TRA_1PNPDE20100113_004718_000000402086_00016_41152_4178.N1	13-JAN-2010 00:47:18	Dark	40.000	78	Alp Lup	2.3040	28000.	80	41152	No
11	GOM_TRA_1PNPDE20100113_004915_000000432086_00017_41153_4179.N1	13-JAN-2010 00:49:15	Dark	42.500	95	Zet Cen	2.5450	26000.	85	41153	No
12	GOM_TRA_1PNPDE20100113_005055_000000442086_00017_41153_4180.N1	13-JAN-2010 00:50:55	Dark	43.500	10	Bet Cen	0.61000	28000.	87	41153	No
13	GOM_TRA_1PNPDE20100113_005325_000000472086_00017_41153_4181.N1	13-JAN-2010 00:53:25	Dark	47.000	20	Bet Cru	1.2530	30000.	94	41153	No
14	GOM_TRA_1PNPDE20100113_005736_000000382086_00017_41153_4182.N1	13-JAN-2010 00:57:36	Dark	38.000	124	The Car	2.7640	30000.	76	41153	No
15	GOM_TRA_1PNPDE20100113_005921_000000462086_00017_41153_4183.N1	13-JAN-2010 00:59:21	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	41153	No
16	GOM_TRA_1PNPDE20100113_010055_000000392086_00017_41153_4184.N1	13-JAN-2010 01:00:55	Dark	39.000	71	lot Car	2.2460	7700.0	78	41153	No
17	GOM_TRA_1PNPDE20100113_010213_000000532086_00017_41153_4185.N1	13-JAN-2010 01:02:13	Dark	53.000	41	Eps Car	1.8600	4100.0	106	41153	No
18	GOM_TRA_1PNPDE20100113_010742_000000452086_00017_41153_4186.N1	13-JAN-2010 01:07:42	Dark	45.000	70	Zet Pup	2.2460	39000.	90	41153	No
19	GOM_TRA_1PNPDE20100113_010925_000000452086_00017_41153_4187.N1	13-JAN-2010 01:09:25	Straylight	44.500	117	Pi Pup	2.7060	3800.0	89	41153	No
20	GOM_TRA_1PNPDE20100113_011201_000000432086_00017_41153_4188.N1	13-JAN-2010 01:12:01	Straylight	42.500	23	21Eps CMa	1.5020	26000.	85	41153	No
21	GOM_TRA_1PNPDE20100113_011327_000000422086_00017_41153_4189.N1	13-JAN-2010 01:13:27	Straylight	42.000	179	24Omi2CMa	3.0320	24000.	84	41153	No
22	GOM_TRA_1PNPDE20100113_011542_000000482086_00017_41153_4190.N1	13-JAN-2010 01:15:42	Straylight	48.000	1	9Alp CMa	-1.4400	11000.	96	41153	No
23	GOM_TRA_1PNPDE20100113_012240_000000332086_00017_41153_4191.N1	13-JAN-2010 01:22:40	Twilight	33.000	8	10Alp CMi	0.40000	6500.0	66	41153	No
24	GOM_TRA_1PNPDE20100113_012530_000000442086_00017_41153_4192.N1	13-JAN-2010 01:25:30	Bright	43.500	44	24Gam Gem	1.9280	11000.	87	41153	No
25	GOM_TRA_1PNPDE20100113_012713_000000442086_00017_41153_4193.N1	13-JAN-2010 01:27:13	Bright	43.500	151	13Mu Gem	2.8900	3000.0	87	41153	No
26	GOM_TRA_1PNPDE20100113_013120_000000382086_00017_41153_4194.N1	13-JAN-2010 01:31:20	Bright	38.000	107	37The Aur	2.6490	11000.	76	41153	No
27	GOM_TRA_1PNPDE20100113_013332_000000382086_00017_41153_4195.N1	13-JAN-2010 01:33:32	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	41153	No
28	GOM_TRA_1PNPDE20100113_014603_000000332086_00017_41153_4196.N1	13-JAN-2010 01:46:03	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	41153	No
29	GOM_TRA_1PNPDE20100113_015007_000000402086_00017_41153_4197.N1	13-JAN-2010 01:50:07	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	41153	No
30	GOM_TRA_1PNPDE20100113_015422_000000392086_00017_41153_4198.N1	13-JAN-2010 01:54:22	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	41153	No
31	GOM_TRA_1PNPDE20100113_020307_000000532086_00017_41153_4199.N1	13-JAN-2010 02:03:07	Bright	53.000	133	40Zet Her	2.8070	6000.0	106	41153	No
32	GOM_TRA_1PNPDE20100113_020518_000000612086_00017_41153_4200.N1	13-JAN-2010 02:05:18	Bright	61.000	67	5Alp CrB	2.2210	11000.	122	41153	No
33	GOM_TRA_1PNPDE20100113_021133_000000522086_00017_41153_4201.N1	13-JAN-2010 02:11:33	Bright	52.000	102	24Alp Ser	2.6000	4250.0	104	41153	No
34	GOM_TRA_1PNPDE20100113_021342_000000552086_00017_41153_4199.N1	13-JAN-2010 02:13:42	Bright	55.000	120	1Del Oph	2.7340	3200.0	110	41153	No
35	GOM_TRA_1PNPDE20100113_021712_000000462086_00017_41153_4200.N1	13-JAN-2010 02:17:12	Twilight	46.000	104	27Bet Lib	2.6140	13100.	92	41153	No
36	GOM_TRA_1PNPDE20100113_021916_000000442086_00017_41153_4201.N1	13-JAN-2010 02:19:16	Twilight	43.500	80	7Del Sco	2.3160	30000.	87	41153	No
37	GOM_TRA_1PNPDE20100113_022443_000000392086_00017_41153_4202.N1	13-JAN-2010 02:24:43	Dark	39.000	131	Gam Lup	2.8000	26000.	78	41153	No
38	GOM_TRA_1PNPDE20100113_022624_000000392086_00017_41153_4203.N1	13-JAN-2010 02:26:24	Dark	38.500	109	Bet Lup	2.6770	26000.	77	41153	No
39	GOM_TRA_1PNPDE20100113_022755_000000412086_00017_41153_4204.N1	13-JAN-2010 02:27:55	Dark	41.000	78	Alp Lup	2.3040	28000.	82	41153	No

40	GOM_TRA_1PNPDE20100113_022951_000000462086_00018_41154_4205.N1	13-JAN-2010 02:29:51	Dark	46.000	95	Zet Cen	2.5450	26000.	92	41154	No
41	GOM_TRA_1PNPDE20100113_023132_000000482086_00018_41154_4206.N1	13-JAN-2010 02:31:32	Dark	47.500	10	Bet Cen	0.61000	28000.	95	41154	No
42	GOM_TRA_1PNPDE20100113_023402_000000422086_00018_41154_4207.N1	13-JAN-2010 02:34:02	Dark	41.500	20	Bet Cru	1.2530	30000.	83	41154	No
43	GOM_TRA_1PNPDE20100113_023813_000000392086_00018_41154_4208.N1	13-JAN-2010 02:38:13	Dark	39.000	124	The Car	2.7640	30000.	78	41154	No
44	GOM_TRA_1PNPDE20100113_023958_000000482086_00018_41154_4209.N1	13-JAN-2010 02:39:58	Dark	48.000	113	Mu Vel	2.6920	5000.0	96	41154	No
45	GOM_TRA_1PNPDE20100113_024131_000000432086_00018_41154_4210.N1	13-JAN-2010 02:41:31	Dark	42.500	71	Iot Car	2.2460	7700.0	85	41154	No
46	GOM_TRA_1PNPDE20100113_024250_000000462086_00018_41154_4211.N1	13-JAN-2010 02:42:50	Dark	46.000	41	Eps Car	1.8600	4100.0	92	41154	No
47	GOM_TRA_1PNPDE20100113_024609_000000452086_00018_41154_4212.N1	13-JAN-2010 02:46:09	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	41154	No
48	GOM_TRA_1PNPDE20100113_024818_000000422086_00018_41154_4213.N1	13-JAN-2010 02:48:18	Dark	42.000	70	Zet Pup	2.2460	39000.	84	41154	No
49	GOM_TRA_1PNPDE20100113_025002_000000452086_00018_41154_4214.N1	13-JAN-2010 02:50:02	Straylight	45.000	117	Pi Pup	2.7060	3800.0	90	41154	No
50	GOM_TRA_1PNPDE20100113_025237_000000442086_00018_41154_4215.N1	13-JAN-2010 02:52:37	Straylight	43.500	23	21Eps CMa	1.5020	26000.	87	41154	No
51	GOM_TRA_1PNPDE20100113_025403_000000422086_00018_41154_4216.N1	13-JAN-2010 02:54:03	Straylight	42.000	179	24Omi2CMa	3.0320	24000.	84	41154	No
52	GOM_TRA_1PNPDE20100113_025618_000000472086_00018_41154_4217.N1	13-JAN-2010 02:56:18	Straylight	47.000	1	9Alp CMa	-1.4400	11000.	94	41154	No
53	GOM_TRA_1PNPDE20100113_030316_000000382086_00018_41154_4218.N1	13-JAN-2010 03:03:16	Tw_i_and_stray	37.500	8	10Alp CMi	0.40000	6500.0	75	41154	No
54	GOM_TRA_1PNPDE20100113_030606_000000442086_00018_41154_4219.N1	13-JAN-2010 03:06:06	Bright	43.500	44	24Gam Gem	1.9280	11000.	87	41154	No
55	GOM_TRA_1PNPDE20100113_030748_000000442086_00018_41154_4220.N1	13-JAN-2010 03:07:48	Bright	43.500	151	13Mu Gem	2.8900	3000.0	87	41154	No
56	GOM_TRA_1PNPDE20100113_031156_000000372086_00018_41154_4221.N1	13-JAN-2010 03:11:56	Bright	36.500	107	37The Aur	2.6490	11000.	73	41154	No
57	GOM_TRA_1PNPDE20100113_031408_000000382086_00018_41154_4222.N1	13-JAN-2010 03:14:08	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	41154	No
58	GOM_TRA_1PNPDE20100113_032639_000000332086_00018_41154_4223.N1	13-JAN-2010 03:26:39	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	41154	No
59	GOM_TRA_1PNPDE20100113_033043_000000412086_00018_41154_4222.N1	13-JAN-2010 03:30:43	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41154	No
60	GOM_TRA_1PNPDE20100113_033458_000000382086_00018_41154_4223.N1	13-JAN-2010 03:34:58	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	41154	No
61	GOM_TRA_1PNPDE20100113_034343_000000532086_00018_41154_4224.N1	13-JAN-2010 03:43:43	Bright	53.000	133	40Zet Her	2.8070	6000.0	106	41154	No
62	GOM_TRA_1PNPDE20100113_034554_000000612086_00018_41154_4225.N1	13-JAN-2010 03:45:54	Bright	61.000	67	5Alp CrB	2.2210	11000.	122	41154	No
63	GOM_TRA_1PNPDE20100113_035209_000000412086_00018_41154_4226.N1	13-JAN-2010 03:52:09	Bright	41.000	102	24Alp Ser	2.6000	4250.0	82	41154	No
64	GOM_TRA_1PNPDE20100113_035419_000000552086_00018_41154_4227.N1	13-JAN-2010 03:54:19	Bright	55.000	120	1Del Oph	2.7340	3200.0	110	41154	No
65	GOM_TRA_1PNPDE20100113_035748_000000472086_00018_41154_4228.N1	13-JAN-2010 03:57:48	Tw_i_and_stray	46.500	104	27Bet Lib	2.6140	13100.	93	41154	No
66	GOM_TRA_1PNPDE20100113_035952_000000452086_00018_41154_4229.N1	13-JAN-2010 03:59:52	Tw_i_and_stray	45.000	80	7Del Sco	2.3160	30000.	90	41154	No
67	GOM_TRA_1PNPDE20100113_040700_000000392086_00018_41154_4230.N1	13-JAN-2010 04:07:00	Dark	39.000	109	Bet Lup	2.6770	26000.	78	41154	No
68	GOM_TRA_1PNPDE20100113_040831_000000442086_00018_41154_4231.N1	13-JAN-2010 04:08:31	Dark	44.000	78	Alp Lup	2.3040	28000.	88	41154	No
69	GOM_TRA_1PNPDE20100113_041028_000000422086_00019_41155_4232.N1	13-JAN-2010 04:10:28	Dark	42.000	95	Zet Cen	2.5450	26000.	84	41155	No
70	GOM_TRA_1PNPDE20100113_041208_000000482086_00019_41155_4233.N1	13-JAN-2010 04:12:08	Dark	47.500	10	Bet Cen	0.61000	28000.	95	41155	No
71	GOM_TRA_1PNPDE20100113_041438_000000412086_00019_41155_4234.N1	13-JAN-2010 04:14:38	Dark	41.000	20	Bet Cru	1.2530	30000.	82	41155	No
72	GOM_TRA_1PNPDE20100113_041849_000000382086_00019_41155_4235.N1	13-JAN-2010 04:18:49	Dark	37.500	124	The Car	2.7640	30000.	75	41155	No
73	GOM_TRA_1PNPDE20100113_042035_000000472086_00019_41155_4236.N1	13-JAN-2010 04:20:35	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	41155	No
74	GOM_TRA_1PNPDE20100113_042208_000000412086_00019_41155_4237.N1	13-JAN-2010 04:22:08	Dark	40.500	71	Iot Car	2.2460	7700.0	81	41155	No
75	GOM_TRA_1PNPDE20100113_042326_000000442086_00019_41155_4238.N1	13-JAN-2010 04:23:26	Dark	43.500	41	Eps Car	1.8600	4100.0	87	41155	No
76	GOM_TRA_1PNPDE20100113_042854_000000432086_00019_41155_4239.N1	13-JAN-2010 04:28:54	Dark	42.500	70	Zet Pup	2.2460	39000.	85	41155	No
77	GOM_TRA_1PNPDE20100113_043038_000000422086_00019_41155_4240.N1	13-JAN-2010 04:30:38	Straylight	42.000	117	Pi Pup	2.7060	3800.0	84	41155	No
78	GOM_TRA_1PNPDE20100113_043313_000000422086_00019_41155_4241.N1	13-JAN-2010 04:33:13	Straylight	41.500	23	21Eps CMa	1.5020	26000.	83	41155	No
79	GOM_TRA_1PNPDE20100113_043439_000000422086_00019_41155_4242.N1	13-JAN-2010 04:34:39	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	41155	No
80	GOM_TRA_1PNPDE20100113_043654_000000482086_00019_41155_4243.N1	13-JAN-2010 04:36:54	Straylight	47.500	1	9Alp CMa	-1.4400	11000.	95	41155	No
81	GOM_TRA_1PNPDE20100113_044352_000000402086_00019_41155_4244.N1	13-JAN-2010 04:43:52	Tw_i_and_stray	40.000	8	10Alp CMi	0.40000	6500.0	80	41155	No
82	GOM_TRA_1PNPDE20100113_044642_000000452086_00019_41155_4245.N1	13-JAN-2010 04:46:42	Bright	45.000	44	24Gam Gem	1.9280	11000.	90	41155	No
83	GOM_TRA_1PNPDE20100113_044824_000000542086_00019_41155_4246.N1	13-JAN-2010 04:48:24	Bright	54.000	151	13Mu Gem	2.8900	3000.0	108	41155	No
84	GOM_TRA_1PNPDE20100113_045232_000000362086_00019_41155_4247.N1	13-JAN-2010 04:52:32	Bright	35.500	107	37The Aur	2.6490	11000.	71	41155	No
85	GOM_TRA_1PNPDE20100113_045444_000000362086_00019_41155_4248.N1	13-JAN-2010 04:54:44	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	41155	No
86	GOM_TRA_1PNPDE20100113_050715_000000382086_00019_41155_4249.N1	13-JAN-2010 05:07:15	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	41155	No
87	GOM_TRA_1PNPDE20100113_051119_000000372086_00019_41155_4242.N1	13-JAN-2010 05:11:19	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	41155	No
88	GOM_TRA_1PNPDE20100113_051534_000000362086_00019_41155_4243.N1	13-JAN-2010 05:15:34	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	41155	No
89	GOM_TRA_1PNPDE20100113_052419_000000532086_00019_41155_4244.N1	13-JAN-2010 05:24:19	Bright	53.000	133	40Zet Her	2.8070	6000.0	106	41155	No
90	GOM_TRA_1PNPDE20100113_052630_000000612086_00019_41155_4245.N1	13-JAN-2010 05:26:30	Bright	61.000	67	5Alp CrB	2.2210	11000.	122	41155	No
91	GOM_TRA_1PNPDE20100113_053245_000000602086_00019_41155_4246.N1	13-JAN-2010 05:32:45	Bright	60.000	102	24Alp Ser	2.6000	4250.0	120	41155	No
92	GOM_TRA_1PNPDE20100113_053455_000000552086_00019_41155_4247.N1	13-JAN-2010 05:34:55	Bright	55.000	120	1Del Oph	2.7340	3200.0	110	41155	No
93	GOM_TRA_1PNPDE20100113_053825_000000482086_00019_41155_4248.N1	13-JAN-2010 05:38:25	Tw_i_and_stray	47.500	104	27Bet Lib	2.6140	13100.	95	41155	No
94	GOM_TRA_1PNPDE20100113_054028_000000432086_00019_41155_4249.N1	13-JAN-2010 05:40:28	Tw_i_and_stray	43.000	80	7Del Sco	2.3160	30000.	86	41155	No
95	GOM_TRA_1PNPDE20100113_054556_000000402086_00019_41155_4250.N1	13-JAN-2010 05:45:56	Dark	40.000	131	Gam Lup	2.8000	26000.	80	41155	No
96	GOM_TRA_1PNPDE20100113_054737_000000432086_00019_41155_4251.N1	13-JAN-2010 05:47:37	Dark	42.500	109	Bet Lup	2.6770	26000.	85	41155	No
97	GOM_TRA_1PNPDE20100113_054908_000000412086_00019_41155_4252.N1	13-JAN-2010 05:49:08	Dark	41.000	78	Alp Lup	2.3040	28000.	82	41155	No
98	GOM_TRA_1PNPDE20100113_055105_000000422086_00020_41156_4253.N1	13-JAN-2010 05:51:05	Dark	41.500	95	Zet Cen	2.5450	26000.	83	41156	No

99	GOM_TRA_1PNPDE20100113_055244_000000472086_00020_41156_4254.N1	13-JAN-2010 05:52:44	Dark	46.500	10	Bet Cen	0.61000	28000.	93	41156	No
100	GOM_TRA_1PNPDE20100113_055515_000000382086_00020_41156_4255.N1	13-JAN-2010 05:55:15	Dark	38.000	20	Bet Cru	1.2530	30000.	76	41156	No
101	GOM_TRA_1PNPDE20100113_055926_000000402086_00020_41156_4256.N1	13-JAN-2010 05:59:26	Dark	39.500	124	The Car	2.7640	30000.	79	41156	No
102	GOM_TRA_1PNPDE20100113_060112_000000472086_00020_41156_4257.N1	13-JAN-2010 06:01:12	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	41156	No
103	GOM_TRA_1PNPDE20100113_060244_000000402086_00020_41156_4258.N1	13-JAN-2010 06:02:44	Dark	40.000	71	lot Car	2.2460	7700.0	80	41156	No
104	GOM_TRA_1PNPDE20100113_060402_000000502086_00020_41156_4259.N1	13-JAN-2010 06:04:02	Dark	49.500	41	Eps Car	1.8600	4100.0	99	41156	No
105	GOM_TRA_1PNPDE20100113_060722_000000462086_00020_41156_4260.N1	13-JAN-2010 06:07:22	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	41156	No
106	GOM_TRA_1PNPDE20100113_060931_000000412086_00020_41156_4261.N1	13-JAN-2010 06:09:31	Dark	41.000	70	Zet Pup	2.2460	39000.	82	41156	No
107	GOM_TRA_1PNPDE20100113_061114_000000462086_00020_41156_4262.N1	13-JAN-2010 06:11:14	Straylight	46.000	117	Pi Pup	2.7060	3800.0	92	41156	No
108	GOM_TRA_1PNPDE20100113_061349_000000432086_00020_41156_4263.N1	13-JAN-2010 06:13:49	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	41156	No
109	GOM_TRA_1PNPDE20100113_061515_000000412086_00020_41156_4264.N1	13-JAN-2010 06:15:15	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	41156	No
110	GOM_TRA_1PNPDE20100113_061730_000000482086_00020_41156_4265.N1	13-JAN-2010 06:17:30	Straylight	47.500	1	9Alp CMa	-1.4400	11000.	95	41156	No
111	GOM_TRA_1PNPDE20100113_062428_000000482086_00020_41156_4266.N1	13-JAN-2010 06:24:28	Tw_i_and_stray	48.000	8	10Alp CMi	0.40000	6500.0	96	41156	No
112	GOM_TRA_1PNPDE20100113_062718_000000462086_00020_41156_4267.N1	13-JAN-2010 06:27:18	Bright	46.000	44	24Gam Gem	1.9280	11000.	92	41156	No
113	GOM_TRA_1PNPDE20100113_062900_000000382086_00020_41156_4268.N1	13-JAN-2010 06:29:00	Bright	37.500	151	13Mu Gem	2.8900	3000.0	75	41156	No
114	GOM_TRA_1PNPDE20100113_063308_000000372086_00020_41156_4269.N1	13-JAN-2010 06:33:08	Bright	36.500	107	37The Aur	2.6490	11000.	73	41156	No
115	GOM_TRA_1PNPDE20100113_063519_000000382086_00020_41156_4270.N1	13-JAN-2010 06:35:19	Bright	38.000	42	34Bet Aur	1.9000	10200.	76	41156	No
116	GOM_TRA_1PNPDE20100113_064751_000000412086_00020_41156_4271.N1	13-JAN-2010 06:47:51	Bright	40.500	49	1Alp UMi	1.9900	6300.0	81	41156	No
117	GOM_TRA_1PNPDE20100113_211248_000000432086_00029_41165_4314.N1	13-JAN-2010 21:12:48	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41165	Yes
118	GOM_TRA_1PNPDE20100113_211457_000000452086_00029_41165_4315.N1	13-JAN-2010 21:14:57	Dark	44.500	70	Zet Pup	2.2460	39000.	89	41165	No
119	GOM_TRA_1PNPDE20100113_211640_000000452086_00029_41165_4316.N1	13-JAN-2010 21:16:40	Straylight	44.500	117	Pi Pup	2.7060	3800.0	89	41165	No
120	GOM_TRA_1PNPDE20100113_211914_000000432086_00029_41165_4317.N1	13-JAN-2010 21:19:14	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	41165	No
121	GOM_TRA_1PNPDE20100113_212040_000000422086_00029_41165_4318.N1	13-JAN-2010 21:20:40	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	41165	No
122	GOM_TRA_1PNPDE20100113_212255_000000442086_00029_41165_4319.N1	13-JAN-2010 21:22:55	Straylight	44.000	1	9Alp CMa	-1.4400	11000.	88	41165	No
123	GOM_TRA_1PNPDE20100113_212949_000000552086_00029_41165_4320.N1	13-JAN-2010 21:29:49	Tw_i_and_stray	54.500	8	10Alp CMi	0.40000	6500.0	109	41165	No
124	GOM_TRA_1PNPDE20100113_213240_000000462086_00029_41165_4321.N1	13-JAN-2010 21:32:40	Bright	46.000	44	24Gam Gem	1.9280	11000.	92	41165	No
125	GOM_TRA_1PNPDE20100113_213423_000000472086_00029_41165_4322.N1	13-JAN-2010 21:34:23	Bright	46.500	151	13Mu Gem	2.8900	3000.0	93	41165	No
126	GOM_TRA_1PNPDE20100113_213831_000000382086_00029_41165_4323.N1	13-JAN-2010 21:38:31	Bright	37.500	107	37The Aur	2.6490	11000.	75	41165	No
127	GOM_TRA_1PNPDE20100113_214042_000000372086_00029_41165_4324.N1	13-JAN-2010 21:40:42	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41165	No
128	GOM_TRA_1PNPDE20100113_215314_000000362086_00029_41165_4325.N1	13-JAN-2010 21:53:14	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	41165	No
129	GOM_TRA_1PNPDE20100113_215717_000000402086_00029_41165_4326.N1	13-JAN-2010 21:57:17	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	41165	No
130	GOM_TRA_1PNPDE20100113_220133_000000382086_00029_41165_4327.N1	13-JAN-2010 22:01:33	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	41165	No
131	GOM_TRA_1PNPDE20100113_221020_000000542086_00029_41165_4328.N1	13-JAN-2010 22:10:20	Bright	54.000	133	40Zet Her	2.8070	6000.0	108	41165	No
132	GOM_TRA_1PNPDE20100113_221232_000000432086_00029_41165_4329.N1	13-JAN-2010 22:12:32	Bright	43.000	67	5Alp CrB	2.2210	11000.	86	41165	No
133	GOM_TRA_1PNPDE20100113_221849_000000432086_00029_41165_4330.N1	13-JAN-2010 22:18:49	Bright	43.000	102	24Alp Ser	2.6000	4250.0	86	41165	No
134	GOM_TRA_1PNPDE20100113_222058_000000402086_00029_41165_4331.N1	13-JAN-2010 22:20:58	Bright	40.000	120	1Del Oph	2.7340	3200.0	80	41165	No
135	GOM_TRA_1PNPDE20100113_222222_000000532086_00029_41165_4332.N1	13-JAN-2010 22:22:22	Bright	52.500	98	13Zet Oph	2.5710	30000.	105	41165	No
136	GOM_TRA_1PNPDE20100113_222432_000000472086_00029_41165_4335.N1	13-JAN-2010 22:24:32	Tw_i_and_stray	47.000	104	27Bet Lib	2.6140	13100.	94	41165	No
137	GOM_TRA_1PNPDE20100113_222632_000000422086_00029_41165_4336.N1	13-JAN-2010 22:26:32	Tw_i_and_stray	42.000	80	7Del Sco	2.3160	30000.	84	41165	No
138	GOM_TRA_1PNPDE20100113_223200_000000392086_00029_41165_4337.N1	13-JAN-2010 22:32:00	Dark	39.000	131	Gam Lup	2.8000	26000.	78	41165	No
139	GOM_TRA_1PNPDE20100113_223343_000000412086_00029_41165_4338.N1	13-JAN-2010 22:33:43	Dark	40.500	109	Bet Lup	2.6770	26000.	81	41165	No
140	GOM_TRA_1PNPDE20100113_223513_000000402086_00029_41165_4339.N1	13-JAN-2010 22:35:13	Dark	40.000	78	Alp Lup	2.3040	28000.	80	41165	No
141	GOM_TRA_1PNPDE20100113_223712_000000422086_00030_41166_4340.N1	13-JAN-2010 22:37:12	Dark	41.500	95	Zet Cen	2.5450	26000.	83	41166	No
142	GOM_TRA_1PNPDE20100113_223849_000000432086_00030_41166_4341.N1	13-JAN-2010 22:38:49	Dark	43.000	10	Bet Cen	0.61000	28000.	86	41166	No
143	GOM_TRA_1PNPDE20100113_224120_000000422086_00030_41166_4342.N1	13-JAN-2010 22:41:20	Dark	42.000	20	Bet Cru	1.2530	30000.	84	41166	No
144	GOM_TRA_1PNPDE20100113_224530_000000382086_00030_41166_4343.N1	13-JAN-2010 22:45:30	Dark	37.500	124	The Car	2.7640	30000.	75	41166	No
145	GOM_TRA_1PNPDE20100113_224657_000000432086_00030_41166_4344.N1	13-JAN-2010 22:46:57	Dark	42.500	159	Ups Car	2.9200	7200.0	85	41166	No
146	GOM_TRA_1PNPDE20100113_225005_000000442086_00030_41166_4345.N1	13-JAN-2010 22:50:05	Dark	44.000	41	Eps Car	1.8600	4100.0	88	41166	No
147	GOM_TRA_1PNPDE20100113_225325_000000432086_00030_41166_4346.N1	13-JAN-2010 22:53:25	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41166	No
148	GOM_TRA_1PNPDE20100113_225533_000000442086_00030_41166_4347.N1	13-JAN-2010 22:55:33	Dark	44.000	70	Zet Pup	2.2460	39000.	88	41166	No
149	GOM_TRA_1PNPDE20100113_225716_000000452086_00030_41166_4348.N1	13-JAN-2010 22:57:16	Straylight	44.500	117	Pi Pup	2.7060	3800.0	89	41166	No
150	GOM_TRA_1PNPDE20100113_225950_000000442086_00030_41166_4349.N1	13-JAN-2010 22:59:50	Straylight	44.000	23	21Eps CMa	1.5020	26000.	88	41166	No
151	GOM_TRA_1PNPDE20100113_230116_000000412086_00030_41166_4350.N1	13-JAN-2010 23:01:16	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	41166	No
152	GOM_TRA_1PNPDE20100113_230331_000000432086_00030_41166_4351.N1	13-JAN-2010 23:03:31	Straylight	43.000	1	9Alp CMa	-1.4400	11000.	86	41166	No
153	GOM_TRA_1PNPDE20100113_231024_000000542086_00030_41166_4352.N1	13-JAN-2010 23:10:24	Tw_i_and_stray	53.500	8	10Alp CMi	0.40000	6500.0	107	41166	No
154	GOM_TRA_1PNPDE20100113_231316_000000462086_00030_41166_4353.N1	13-JAN-2010 23:13:16	Bright	45.500	44	24Gam Gem	1.9280	11000.	91	41166	No
155	GOM_TRA_1PNPDE20100113_231459_000000442086_00030_41166_4354.N1	13-JAN-2010 23:14:59	Bright	43.500	151	13Mu Gem	2.8900	3000.0	87	41166	No
156	GOM_TRA_1PNPDE20100113_231906_000000362086_00030_41166_4355.N1	13-JAN-2010 23:19:06	Bright	36.000	107	37The Aur	2.6490	11000.	72	41166	No
157	GOM_TRA_1PNPDE20100113_232118_000000372086_00030_41166_4356.N1	13-JAN-2010 23:21:18	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41166	No

158	GOM_TRA_1PNPDE20100113_233350_000000362086_00030_41166_4357.N1	13-JAN-2010 23:33:50	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	41166	No
159	GOM_TRA_1PNPDE20100113_233752_000000412086_00030_41166_4358.N1	13-JAN-2010 23:37:52	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	41166	No
160	GOM_TRA_1PNPDE20100113_234208_000000392086_00030_41166_4359.N1	13-JAN-2010 23:42:08	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	41166	No
161	GOM_TRA_1PNPDE20100113_235056_000000362086_00030_41166_4360.N1	13-JAN-2010 23:50:56	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	41166	No
162	GOM_TRA_1PNPDE20100113_235308_000000622086_00030_41166_4361.N1	13-JAN-2010 23:53:08	Bright	62.000	67	5Alp CrB	2.2210	11000.	124	41166	No
163	GOM_TRA_1PNPDE20100113_235926_000000452086_00030_41166_4362.N1	13-JAN-2010 23:59:26	Bright	44.500	102	24Alp Ser	2.6000	4250.0	89	41166	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).

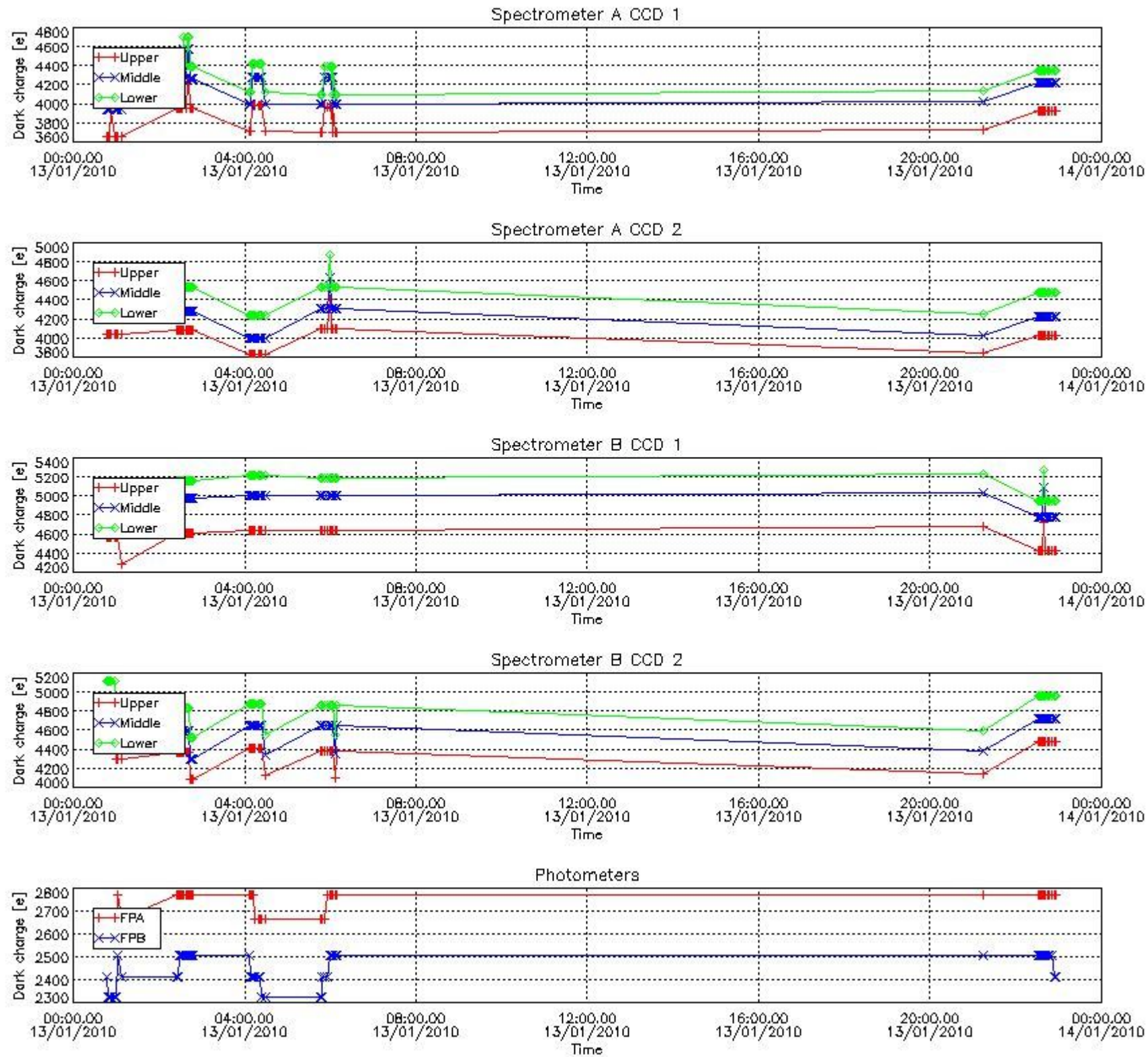
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100113_211248_000000432086_00029_41165_4314.N1	DC map with no T dep.
GOM_TRA_1PNPDE20100113_211457_000000452086_00029_41165_4315.N1	DC map used
GOM_TRA_1PNPDE20100113_211640_000000452086_00029_41165_4316.N1	DC map used
GOM_TRA_1PNPDE20100113_211914_000000432086_00029_41165_4317.N1	DC map used

GOM_TRA_1PNPDE20100113_212040_000000422086_00029_41165_4318.N1	DC map used
GOM_TRA_1PNPDE20100113_212255_000000442086_00029_41165_4319.N1	DC map used
GOM_TRA_1PNPDE20100113_212949_000000552086_00029_41165_4320.N1	DC map used
GOM_TRA_1PNPDE20100113_213240_000000462086_00029_41165_4321.N1	DC map used
GOM_TRA_1PNPDE20100113_213423_000000472086_00029_41165_4322.N1	DC map used
GOM_TRA_1PNPDE20100113_213831_000000382086_00029_41165_4323.N1	DC map used
GOM_TRA_1PNPDE20100113_214042_000000372086_00029_41165_4324.N1	DC map used
GOM_TRA_1PNPDE20100113_215314_000000362086_00029_41165_4325.N1	DC map used
GOM_TRA_1PNPDE20100113_215717_000000402086_00029_41165_4326.N1	DC map used
GOM_TRA_1PNPDE20100113_220133_000000382086_00029_41165_4327.N1	DC map used
GOM_TRA_1PNPDE20100113_221020_000000542086_00029_41165_4328.N1	DC map used
GOM_TRA_1PNPDE20100113_221232_000000432086_00029_41165_4329.N1	DC map used
GOM_TRA_1PNPDE20100113_221849_000000432086_00029_41165_4330.N1	DC map used
GOM_TRA_1PNPDE20100113_222058_000000402086_00029_41165_4331.N1	DC map used
GOM_TRA_1PNPDE20100113_222222_000000532086_00029_41165_4332.N1	DC map used

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



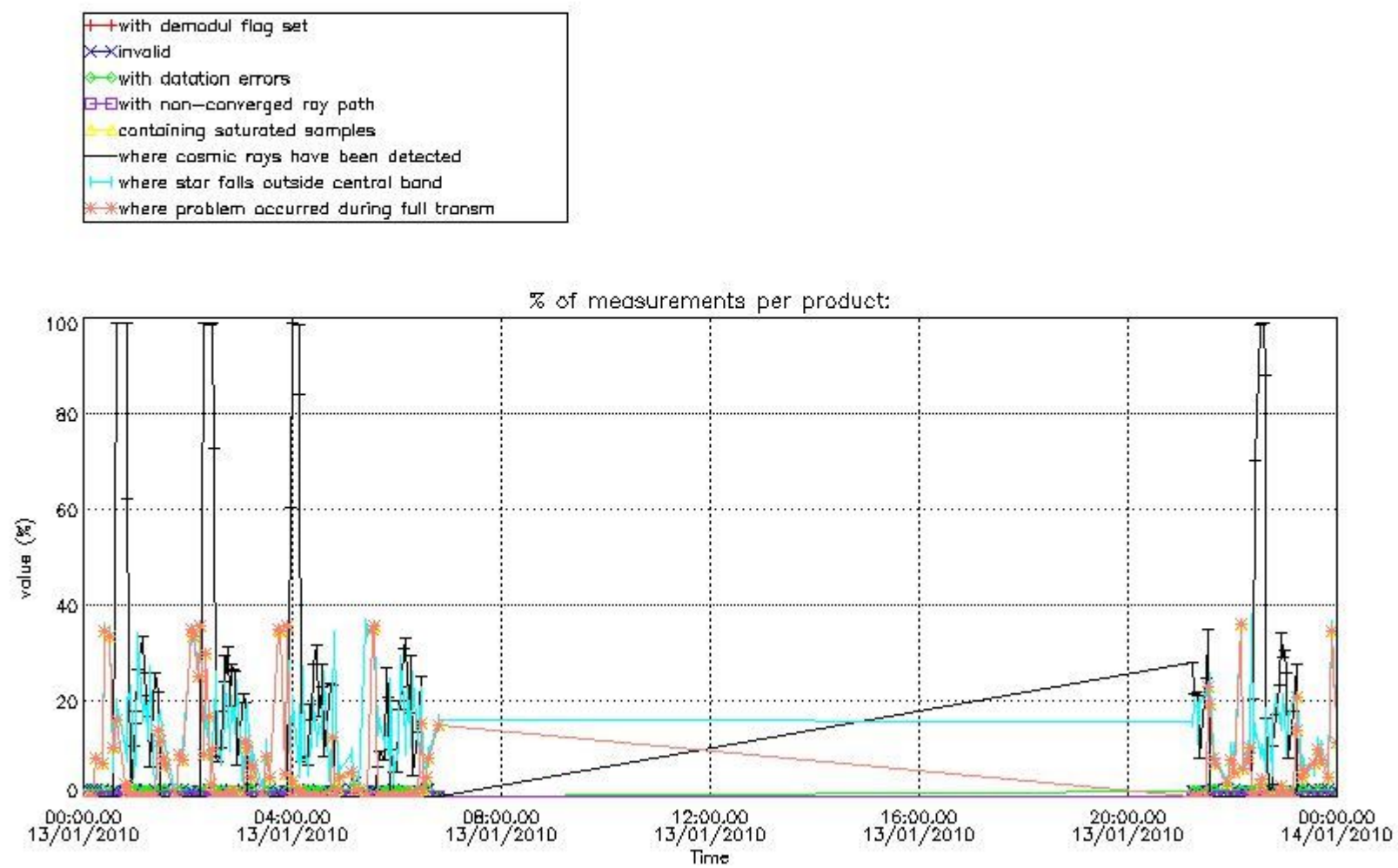
5. Demodulation flag and quality information monitoring

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

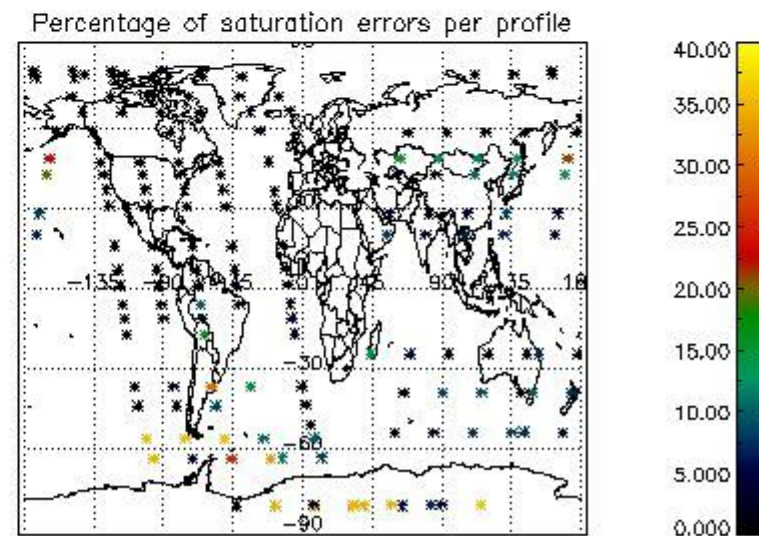
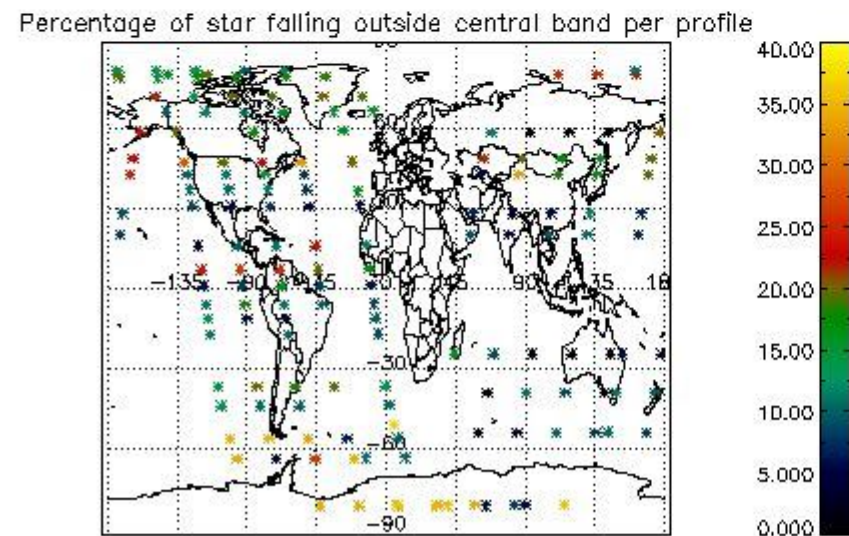
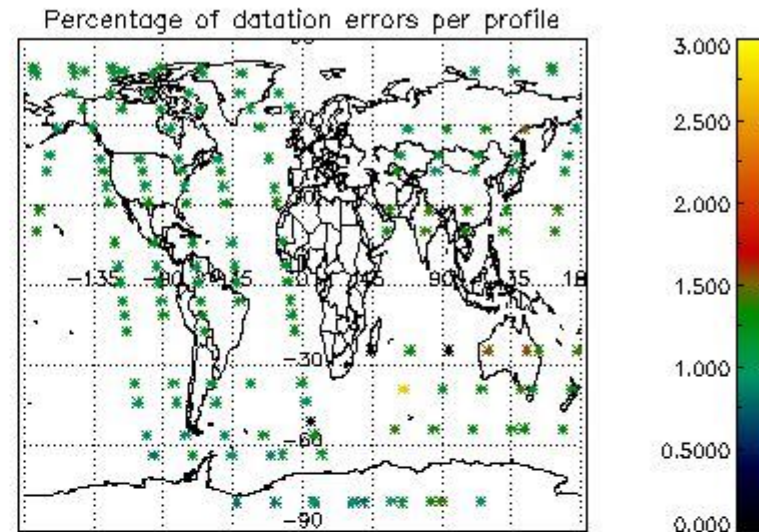
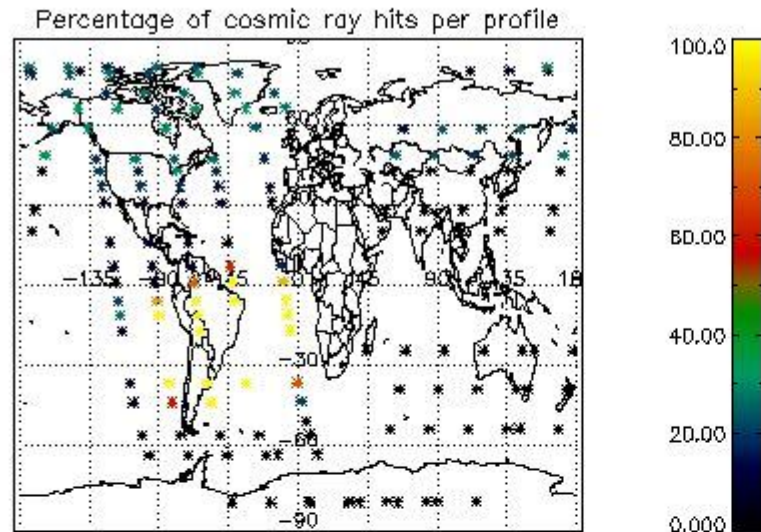
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	40.3727 %
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)



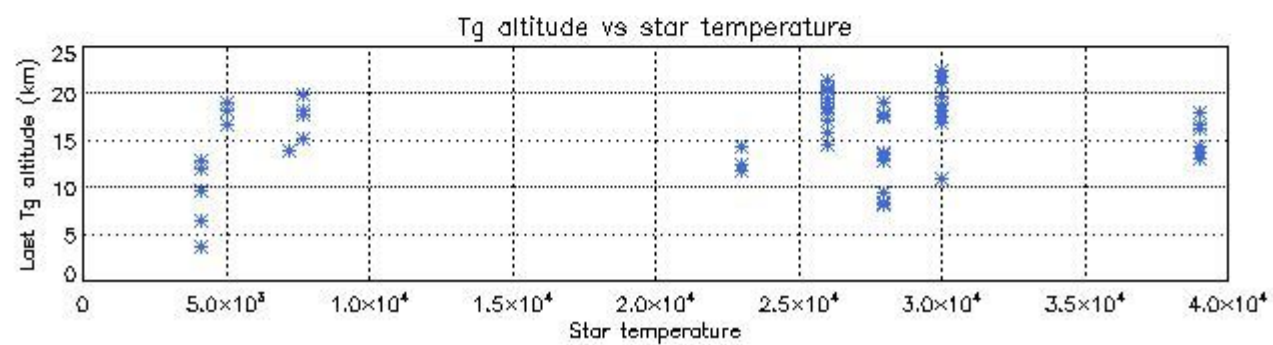
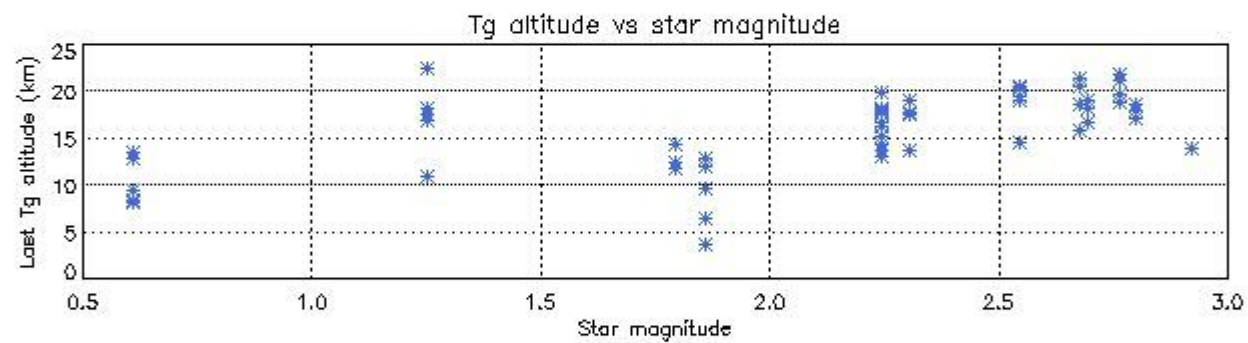
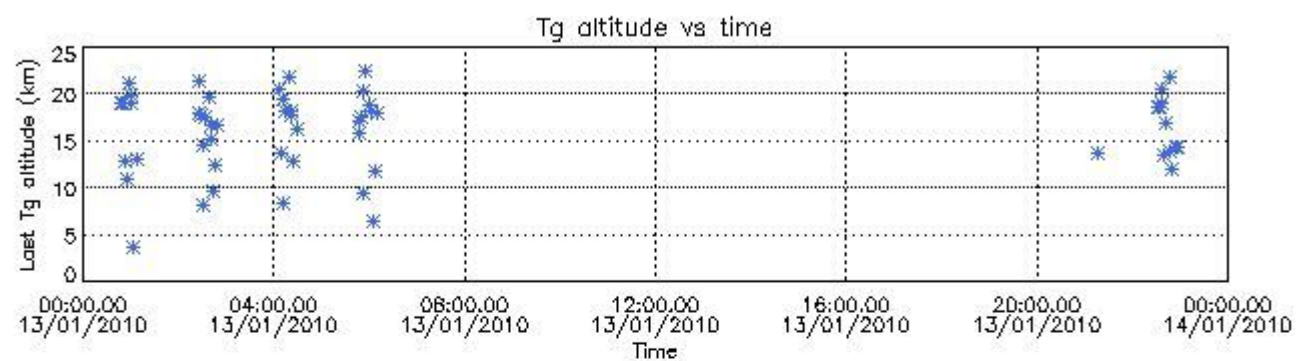
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.069	15.041	NaN
St. deviation:	4.1797	7.3223	NaN
Maximum:	22.356	29.099	NaN
Minimum:	3.6106	3.7569	NaN
Number of data:	55.000	67.000	NaN

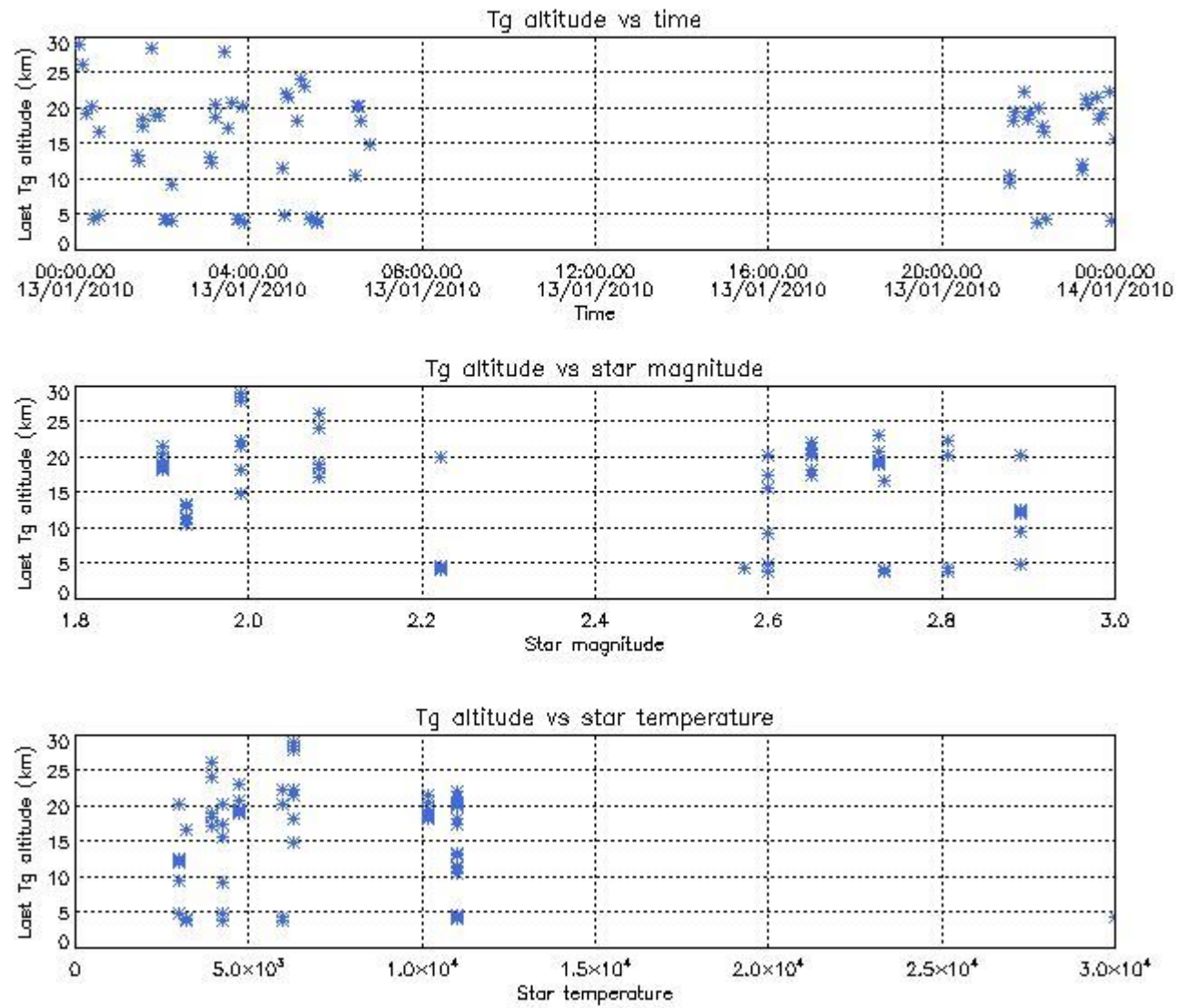
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

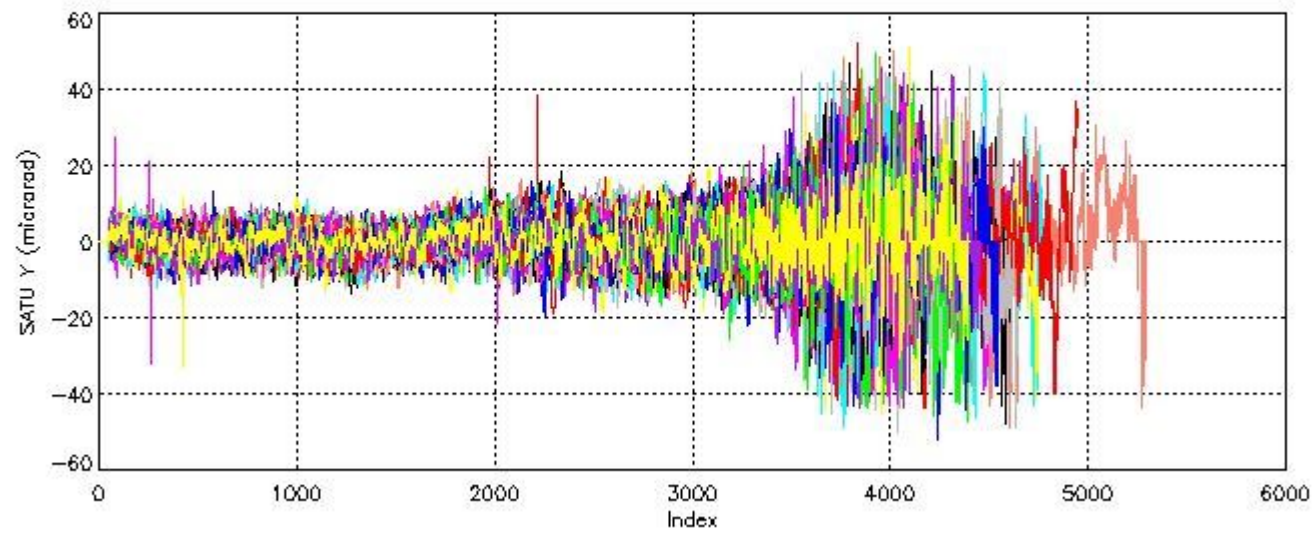
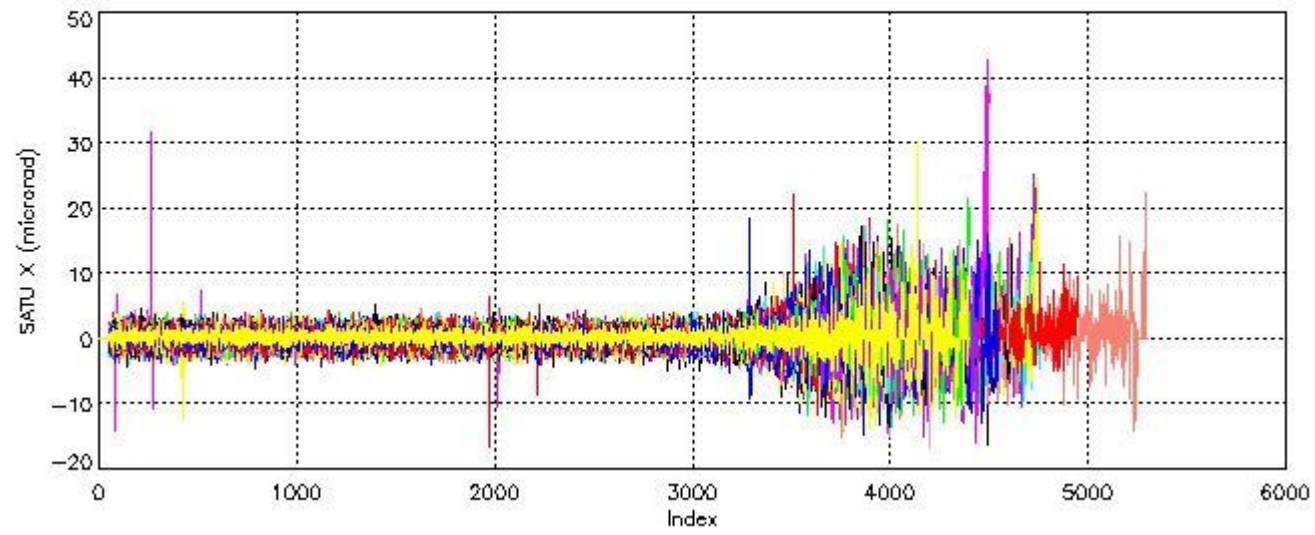


7. Star Acquisition and Tracking Unit (SATU)

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:	0.15232	0.059516	0.11593	-0.20930
St. deviation:	0.74125	2.8754	0.63494	2.9676
Maximum:	31.600	27.500	4.7000	11.600
Minimum:	-14.300	-33.300	-4.2000	-15.700

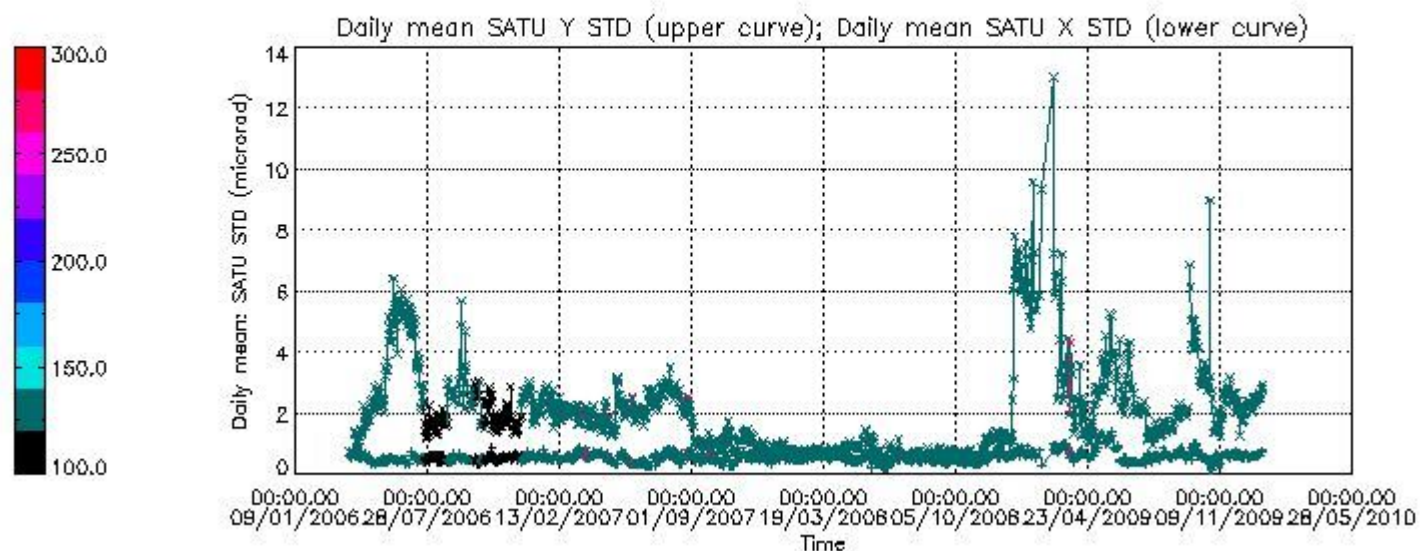
Number of data:	51350.	51350.	59050.	59050.
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

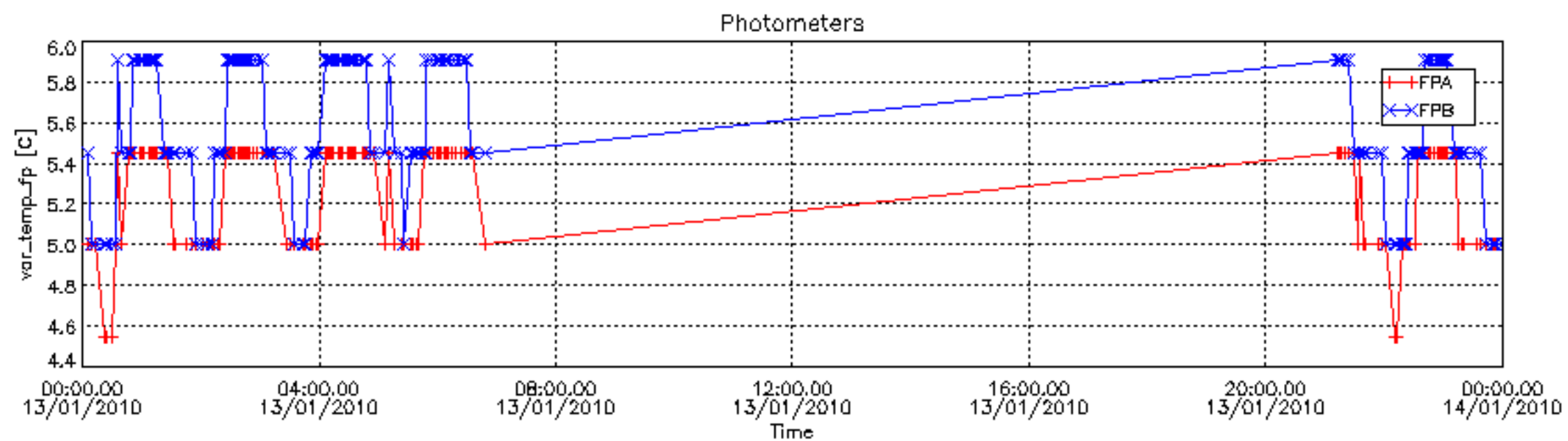
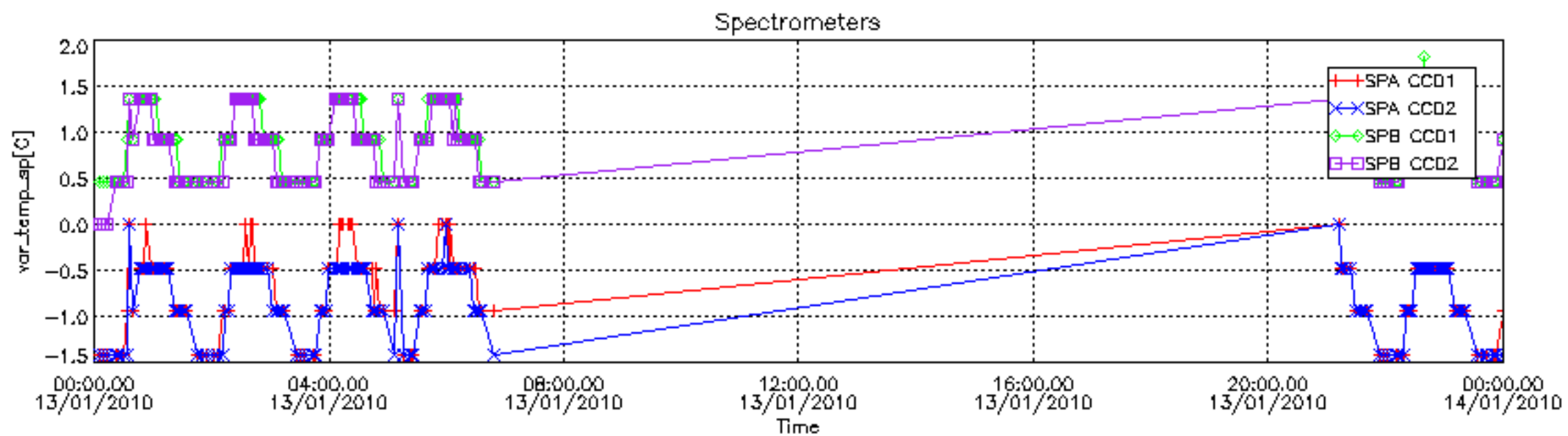
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

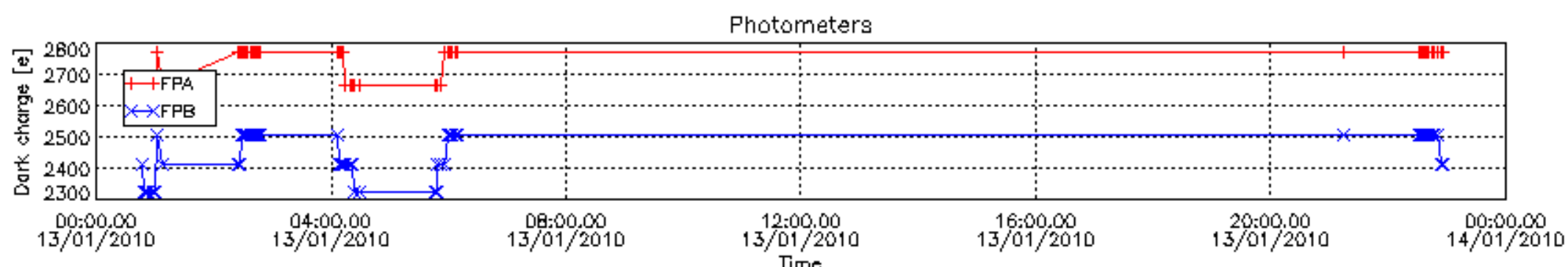
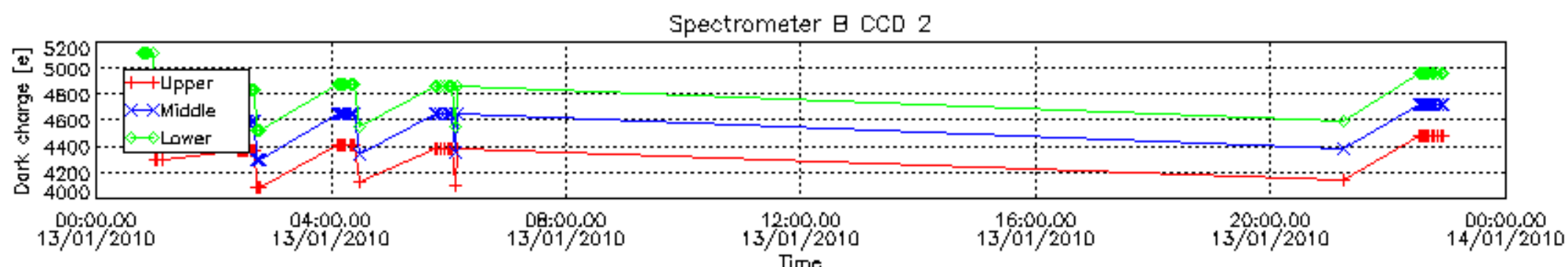
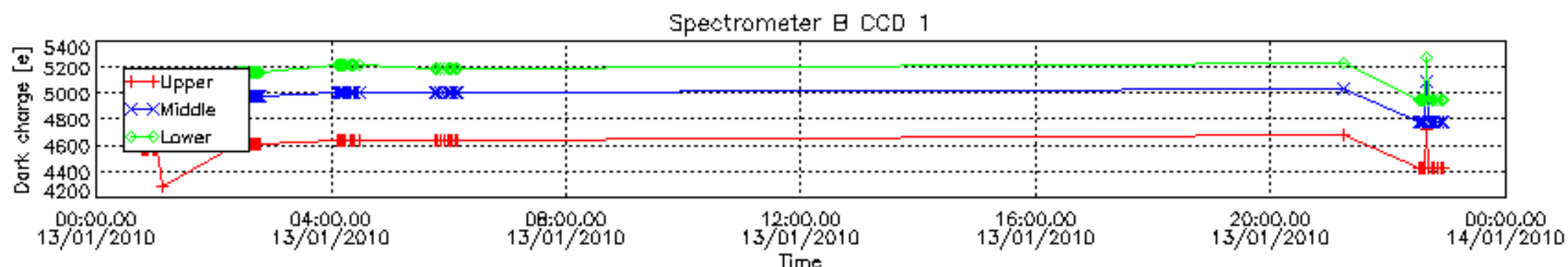
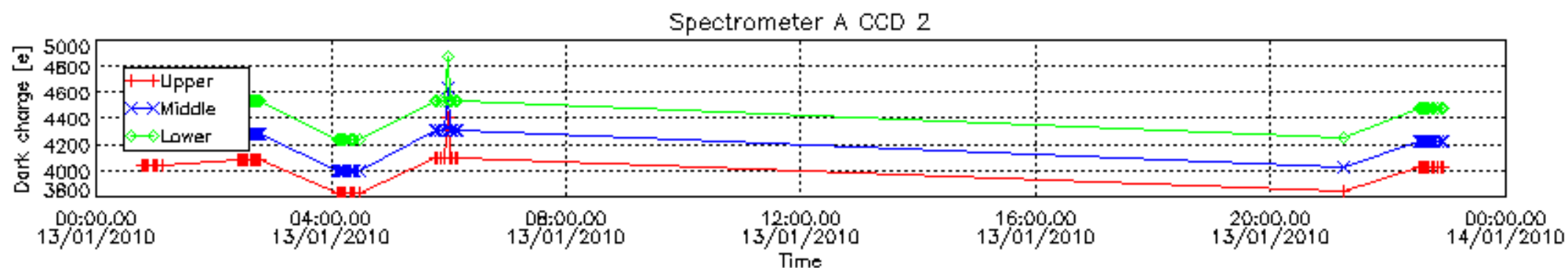
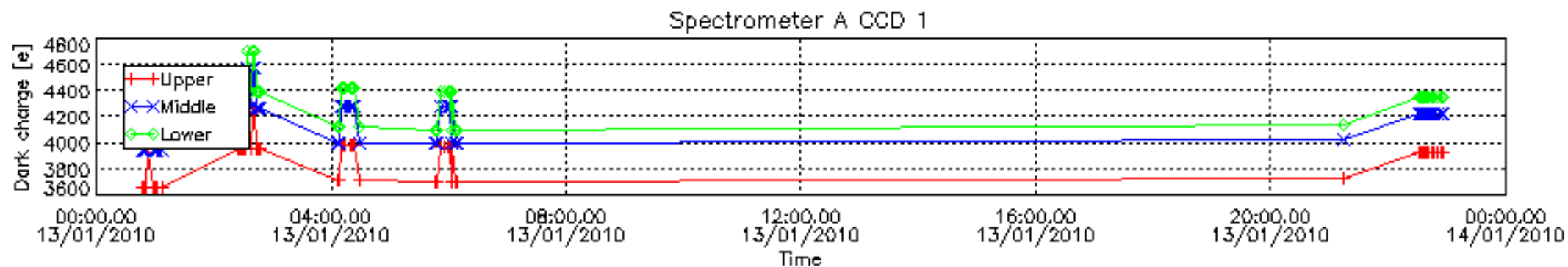


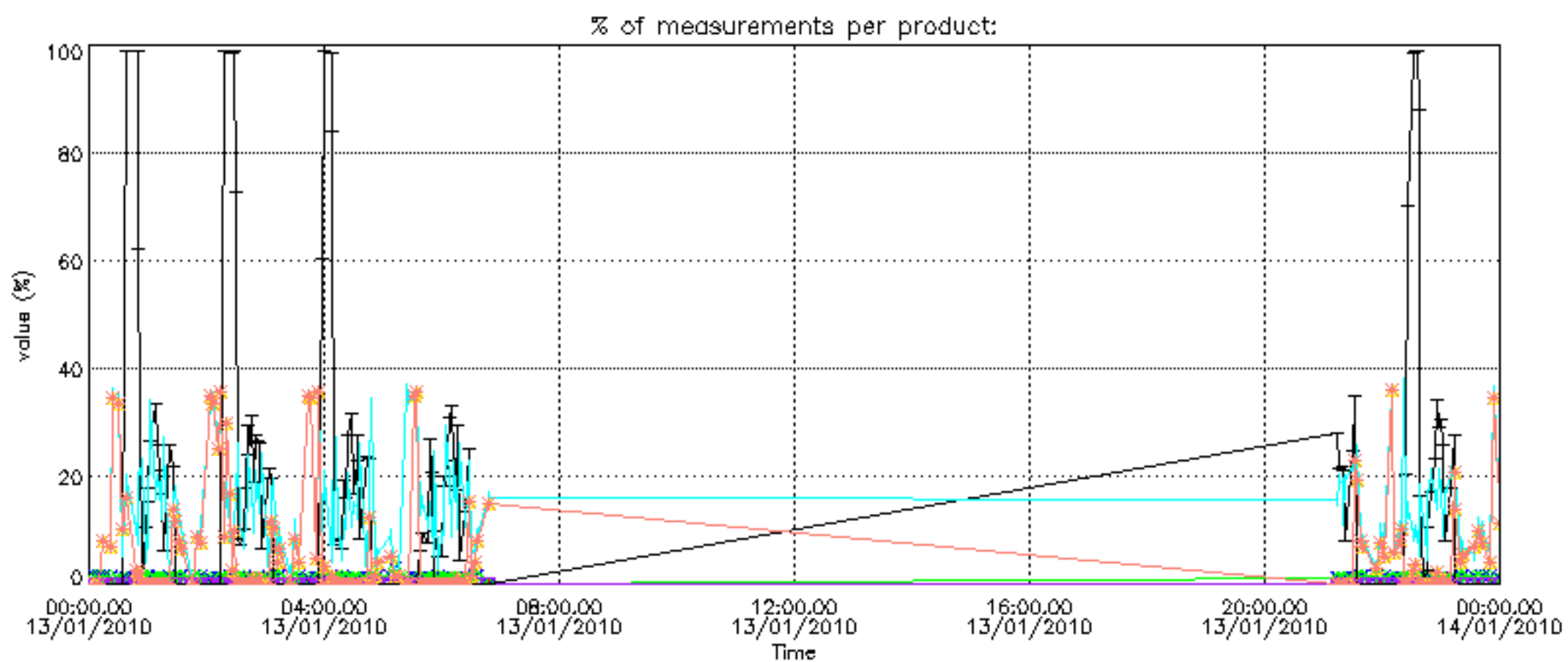
8. Auxiliary Data Files used for the production reported in section 2.4

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.

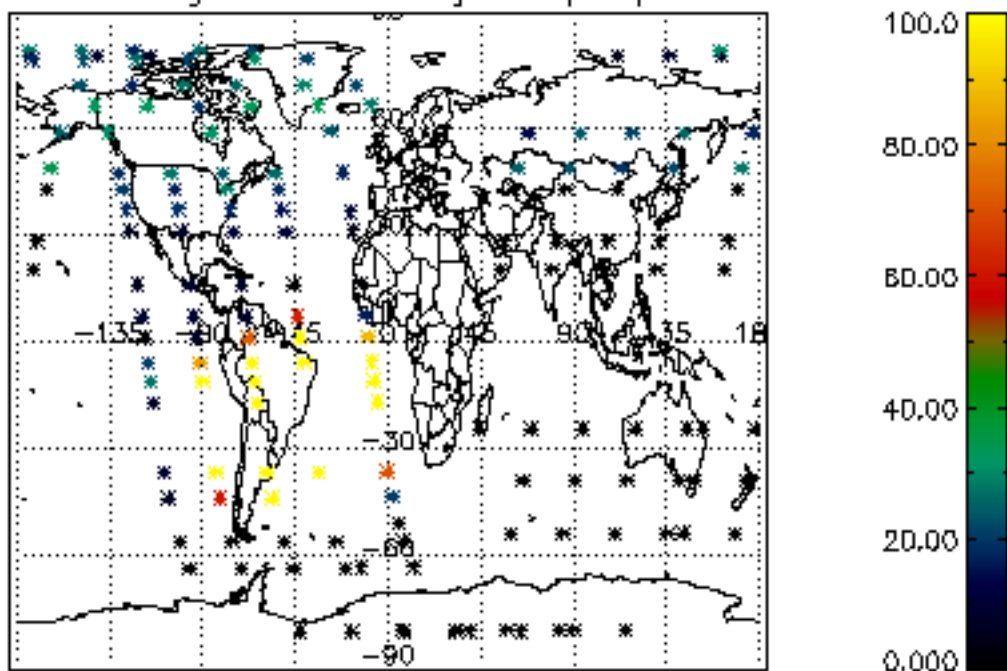
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	13-JAN-2010 00:05:28
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100112_145459_20100110_000000_20500101_000000	1	13-JAN-2010 00:05:28
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	13-JAN-2010 00:05:28
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	13-JAN-2010 00:05:28
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	13-JAN-2010 00:05:28
ECMWF_FILE	AUX_ECF_AXNECM20100112_062112_20100112_210000_20100113_090000	1	13-JAN-2010 00:05:28
ECMWF_FILE	AUX_ECF_AXNECM20100112_181913_20100113_030000_20100113_150000	59	13-JAN-2010 03:30:43
ECMWF_FILE	AUX_ECA_AXNECM20100113_060111_20100112_210000_20100113_090000	87	13-JAN-2010 05:11:19
ECMWF_FILE	AUX_ECF_AXNECM20100113_062111_20100113_210000_20100114_090000	117	13-JAN-2010 21:12:48
OPTIONAL_ECMWF_FILE	MISSING	1	13-JAN-2010 00:05:28
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100112_225107_000060572086_00015_41151_9557.N1	1	13-JAN-2010 00:05:28
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100113_003204_000057382086_00016_41152_9558.N1	8	13-JAN-2010 00:36:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100113_021301_000041442086_00017_41153_9559.N1	34	13-JAN-2010 02:13:42
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100112_233914_20100112_194711_20100122_211324	59	13-JAN-2010 03:30:43
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100113_050822_000057382086_00019_41155_9561.N1	87	13-JAN-2010 05:11:19
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100113_211002_000038252086_00029_41165_9562.N1	117	13-JAN-2010 21:12:48
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100113_221907_000060572086_00029_41165_9563.N1	136	13-JAN-2010 22:24:32



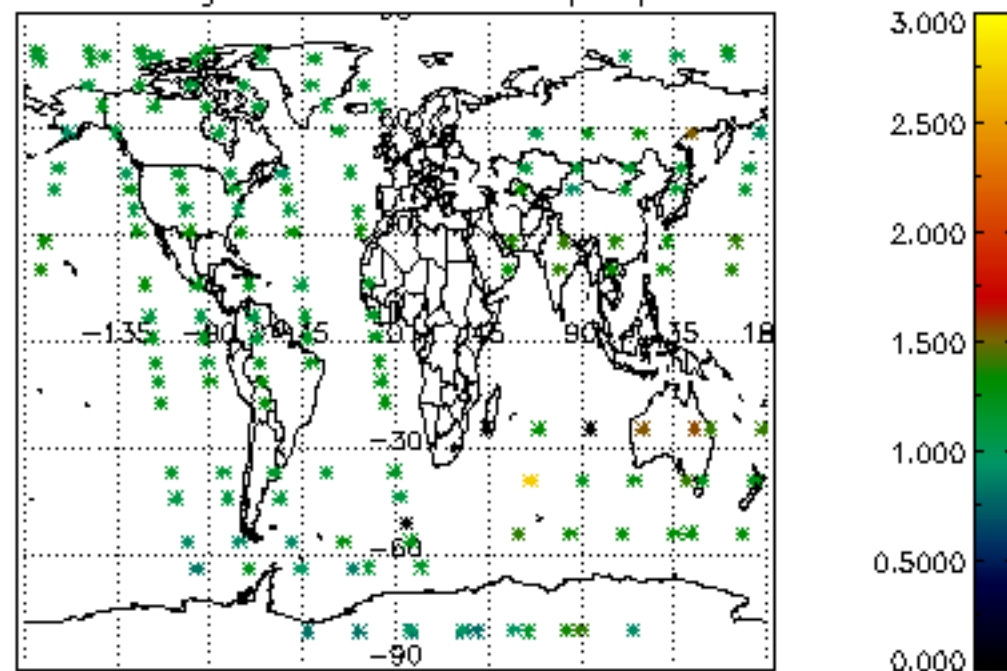




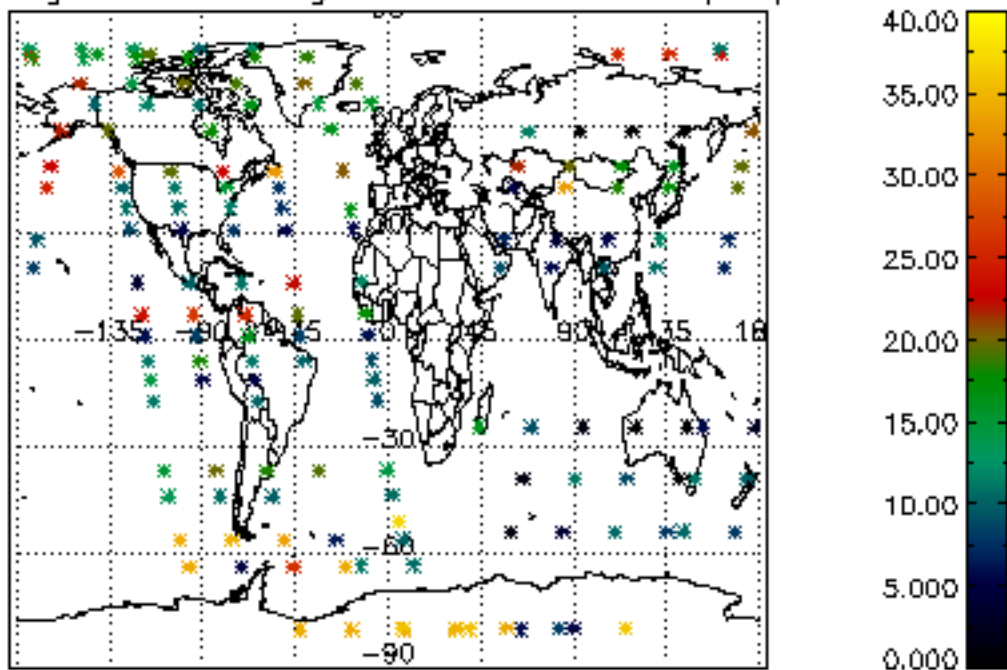
Percentage of cosmic ray hits per profile



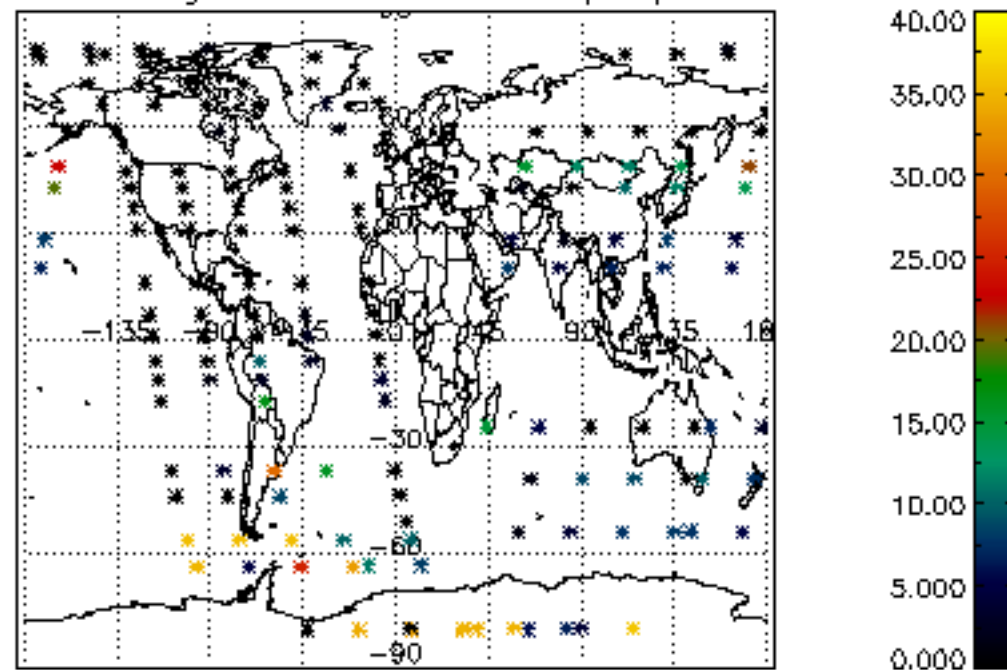
Percentage of datation errors per profile



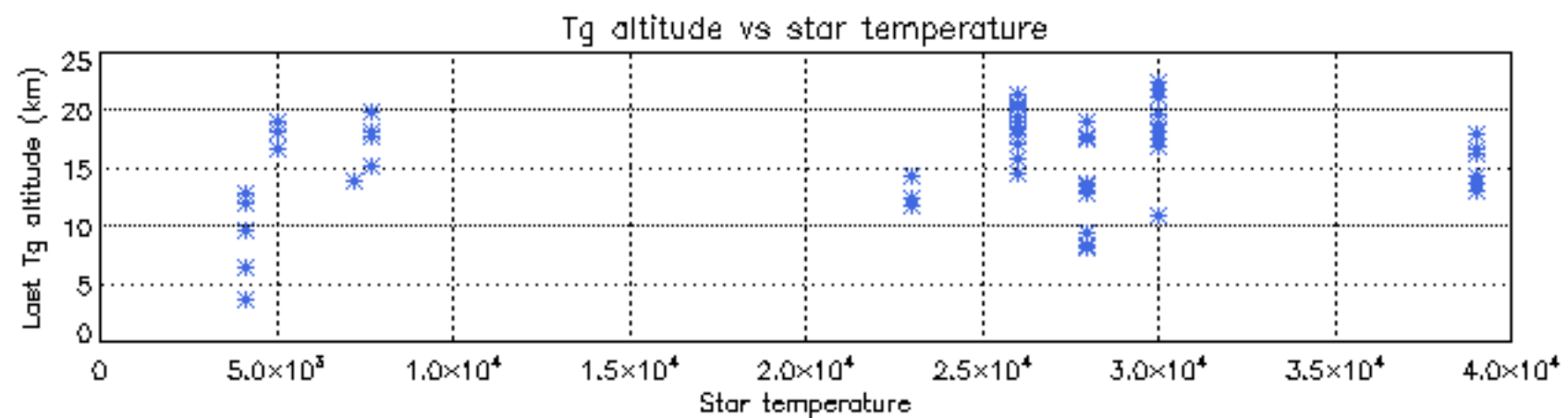
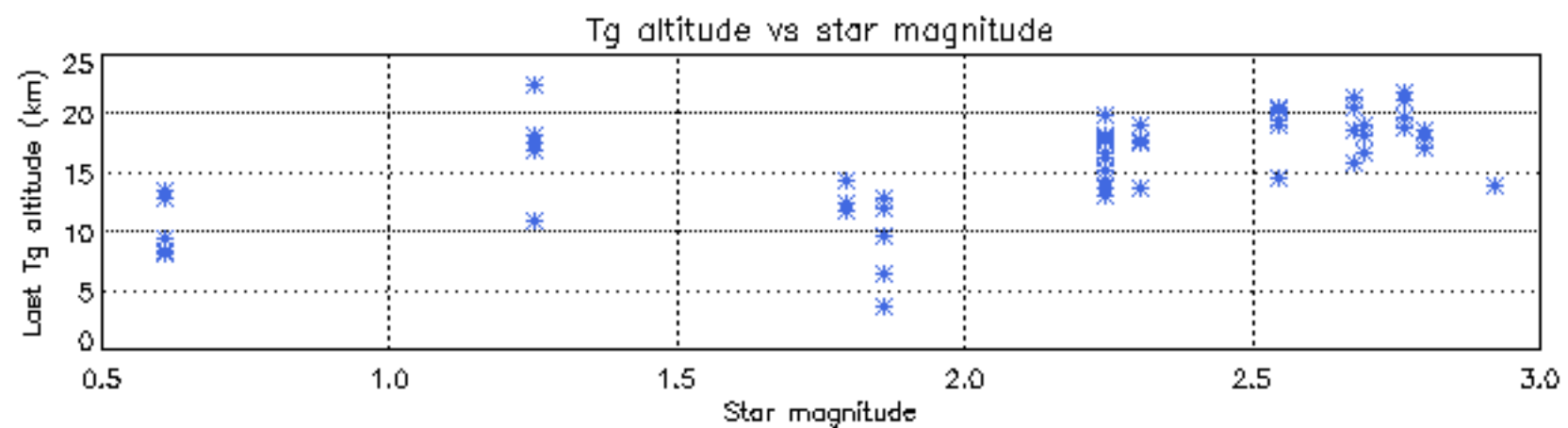
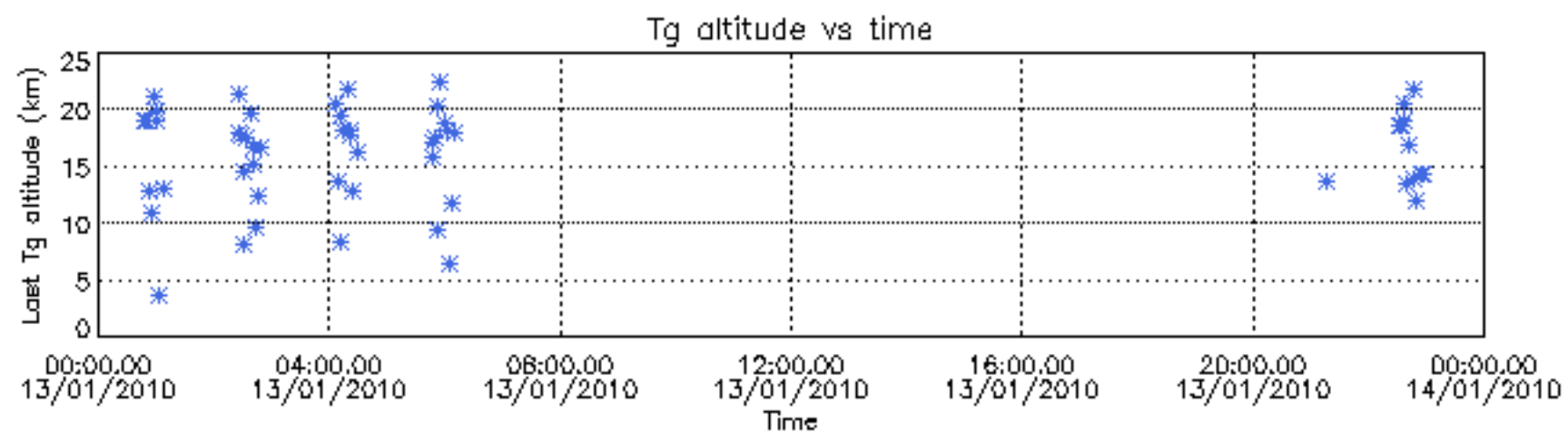
Percentage of star falling outside central band per profile



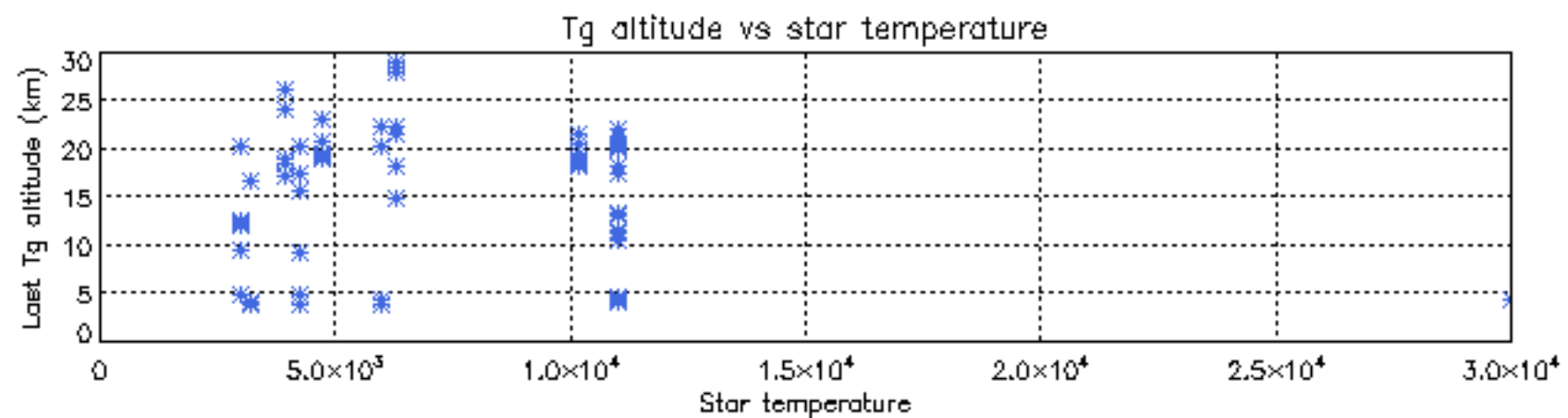
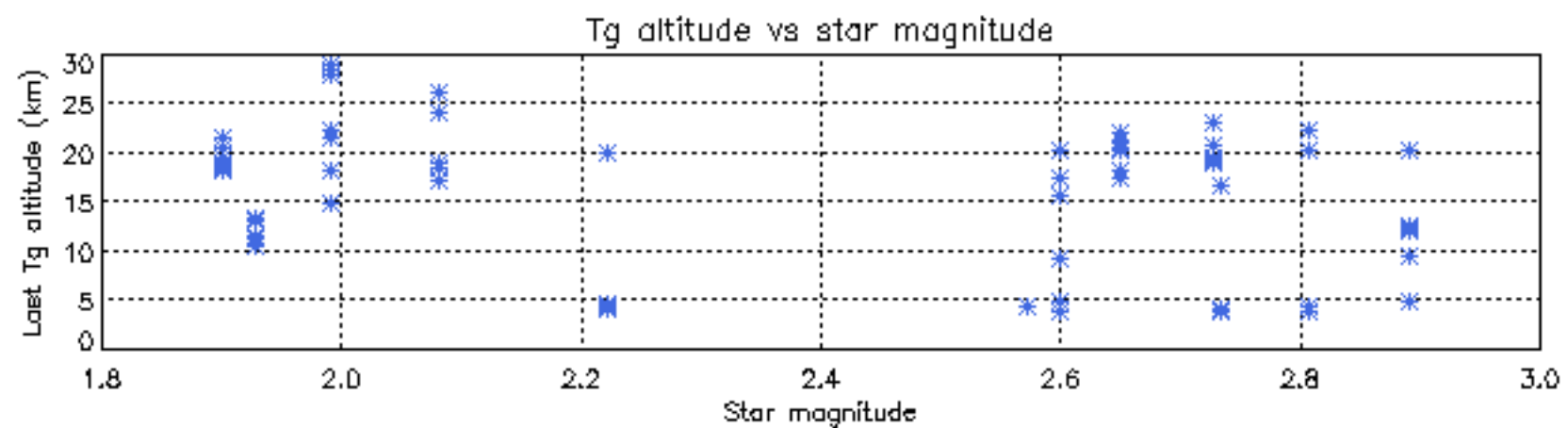
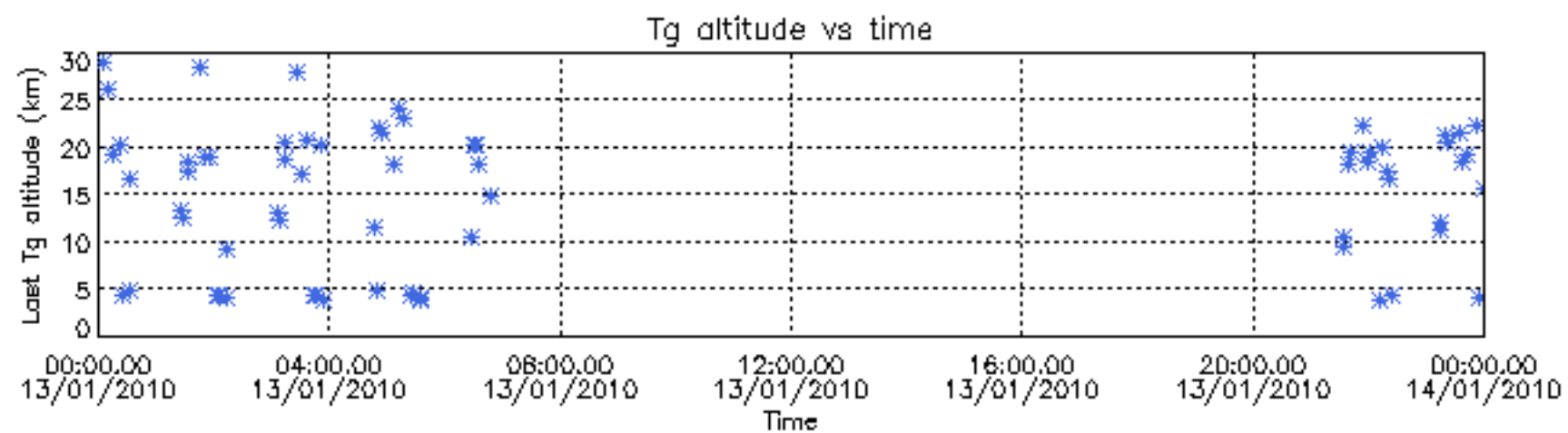
Percentage of saturation errors per profile

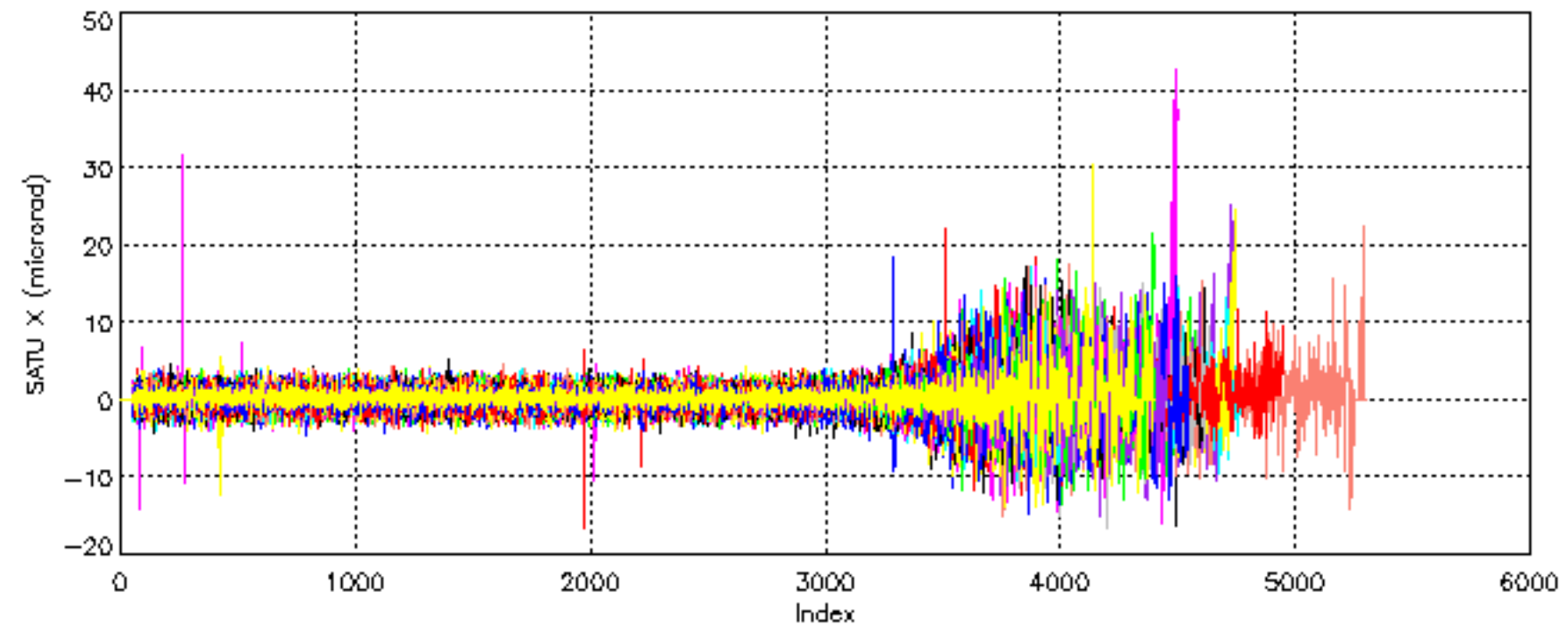


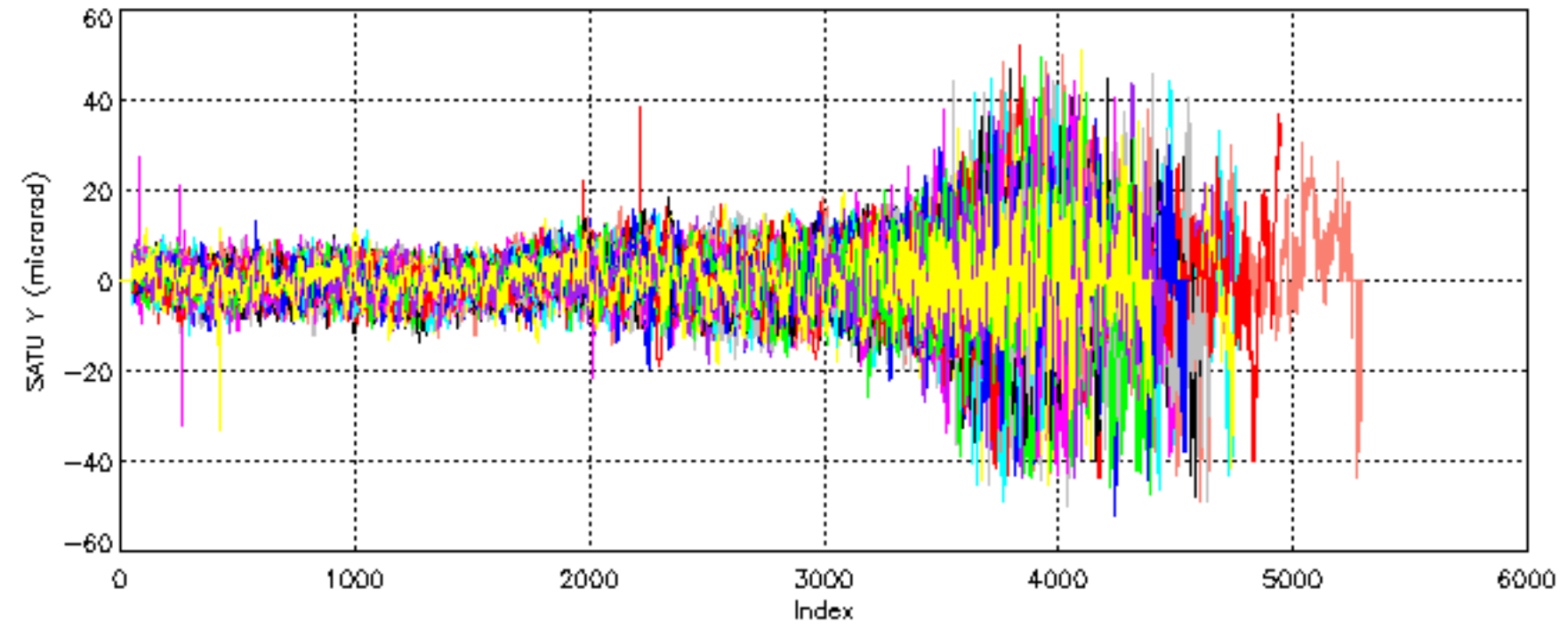
Tangent altitude at which the star is lost

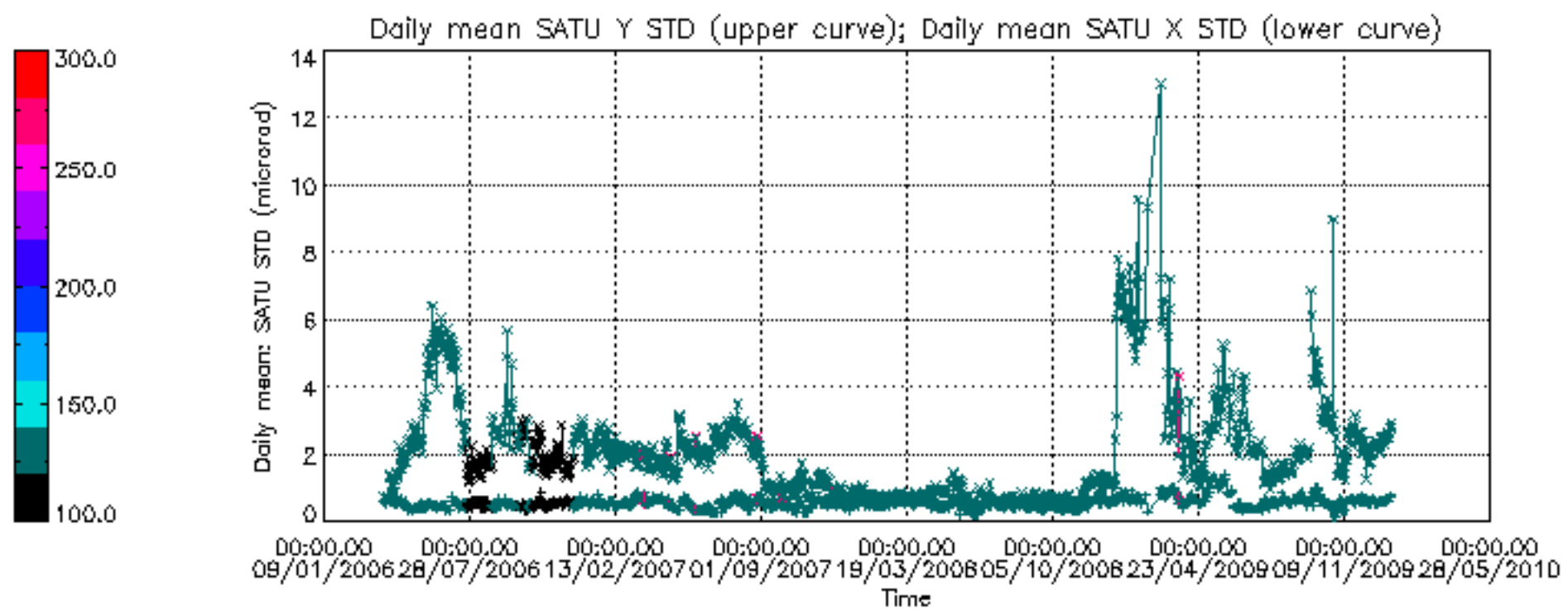


Tangent altitude at which the star is lost









/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
 5; 1.6; 01-JAN-2010 02:06:36; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;40982
 6; 107.0; 01-JAN-2010 02:08:22; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;40982
 7; 210.8; 01-JAN-2010 02:10:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40982
 8; 477.2; 01-JAN-2010 02:14:32; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;40982
 9; 631.0; 01-JAN-2010 02:17:05; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40982
 10; 745.4; 01-JAN-2010 02:19:00; Dark ; 46.0; 46; Del Vel ; 1.95; 10600;occ; 92; 0;40982
 11; 916.7; 01-JAN-2010 02:21:51; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40982
 12; 1048.4; 01-JAN-2010 02:24:03; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40982
 13; 1172.7; 01-JAN-2010 02:26:07; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;40982
 14; 1340.9; 01-JAN-2010 02:28:55; Dark ; 46.5; 23; 21Eps CMA ; 1.50; 26000;occ; 93; 0;40982
 15; 1433.4; 01-JAN-2010 02:30:28; Dark ; 45.0; 179; 240mi2CMA ; 3.03; 24000;occ; 90; 0;40982
 16; 1581.5; 01-JAN-2010 02:32:56; Dark ; 39.5; 1; 9Alp CMA ; -1.44; 11000;occ; 79; 0;40982
 17; 1731.0; 01-JAN-2010 02:35:25; Dark ; 41.5; 56; 53Kap Ori ; 2.07; 30000;occ; 83; 0;40982
 18; 1881.3; 01-JAN-2010 02:37:56; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;40982
 19; 2032.7; 01-JAN-2010 02:40:27; Dark ; 50.5; 14; 58Alp Ori ; 0.87; 3000;occ; 101; 0;40982
 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
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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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27; 4783.1; 02-JAN-2010 23:01:52; Bright; 57.0; 3; 16Alp Boo ; -0.05; 4250;occ; 114; 0;41008
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9;	930.5;	02-JAN-2010	23:38:15;	Dark	;	46.5;	34;	Gam2Vel	;	1.79;	23000;occ;	93;	0;41009
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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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27;	5207.8;	03-JAN-2010	00:49:33;	Bright;	;	36.0;	104;	27Bet Lib	;	2.61;	13100;occ;	72;	0;41009
28;	5371.0;	03-JAN-2010	00:52:16;	Dark	;	43.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	87;	0;41009
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7;	-1139.7;	02-JAN-2010	06:17:46;	Bright;	;	49.0;	102;	24Alp Ser	;	2.60;	4250;occ;	98;	0;40998
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 26; 7102.1; 03-JAN-2010 14:45:54; Dark ; 44.0; 70; Zet Pup ; 2.25; 39000;occ; 88; 0;41017
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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
 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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 2; 2031.1; 04-JAN-2010 07:47:58; Dark ; 49.5; 14; 58Alp Ori ; 0.87; 3000;occ; 99; 0;41028
 3; 2215.0; 04-JAN-2010 07:51:02; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;41028
 4; 2314.4; 04-JAN-2010 07:52:42; Bright; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;41028
 5; 2556.5; 04-JAN-2010 07:56:44; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;41028
 6; 2690.1; 04-JAN-2010 07:58:57; Bright; 39.0; 42; 34Bet Aur ; 1.90; 10200;occ; 78; 0;41028
 7; 3686.0; 04-JAN-2010 08:15:33; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;41028
 8; 3955.7; 04-JAN-2010 08:20:03; Bright; 44.5; 55; 79Zet UMa ; 2.06; 10200;occ; 89; 0;41028
 9; 4098.5; 04-JAN-2010 08:22:26; Bright; 68.0; 39; 85Eta UMa ; 1.85; 24000;occ; 136; 0;41028
 10; 4354.6; 04-JAN-2010 08:26:42; Bright; 44.0; 180; 27Gam Boo ; 3.04; 8000;occ; 88; 0;41028
 11; 4584.5; 04-JAN-2010 08:30:32; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;41028
 12; 4905.6; 04-JAN-2010 08:35:53; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;41028
 13; 5217.3; 04-JAN-2010 08:41:05; Bright; 57.0; 104; 27Bet Lib ; 2.61; 13100;occ; 114; 0;41028
 14; 5383.7; 04-JAN-2010 08:43:51; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;41028
 15; 5802.8; 04-JAN-2010 08:50:50; Dark ; 48.0; 54; 5The Cen ; 2.06; 4500;occ; 96; 0;41028
 16; 5963.0; 04-JAN-2010 08:53:30; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;41028
 17; 6065.2; 04-JAN-2010 08:55:13; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;41028
 18; 6182.1; 04-JAN-2010 08:57:10; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41028
 19; 6290.5; 04-JAN-2010 08:58:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41028
 20; 6554.6; 04-JAN-2010 09:03:22; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;41028
 21; 6691.8; 04-JAN-2010 09:05:39; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;41028
 22; 6806.2; 04-JAN-2010 09:07:34; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41028
 23; 6975.9; 04-JAN-2010 09:10:23; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;41028
 24; 7107.2; 04-JAN-2010 09:12:35; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;41028
 25; 7225.4; 04-JAN-2010 09:14:33; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;41028
 26; 7389.3; 04-JAN-2010 09:17:17; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;41028
 27; 7479.7; 04-JAN-2010 09:18:47; Dark ; 43.5; 179; 24Omi2CMA ; 3.03; 24000;occ; 87; 0;41028
 28; 7623.2; 04-JAN-2010 09:21:11; Dark ; 49.5; 1; 9Alp CMa ; -1.44; 11000;occ; 99; 0;41028

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

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

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

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

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

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 5; 2313.6; 04-JAN-2010 14:35:05; Bright; 46.0; 151; 13Mu Gem ; 2.89; 3000;occ; 92; 0;41032
 6; 2555.9; 04-JAN-2010 14:39:07; Bright; 55.0; 107; 37The Aur ; 2.65; 11000;occ; 110; 0;41032
 7; 2689.5; 04-JAN-2010 14:41:20; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;41032
 8; 3685.6; 04-JAN-2010 14:57:57; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;41032
 9; 3954.3; 04-JAN-2010 15:02:25; Bright; 49.0; 55; 79Zet UMa ; 2.06; 10200;occ; 98; 0;41032
 10; 4354.6; 04-JAN-2010 15:09:06; Bright; 65.0; 180; 27Gam Boo ; 3.04; 8000;occ; 130; 0;41032
 11; 4585.6; 04-JAN-2010 15:12:57; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;41032
 12; 4907.0; 04-JAN-2010 15:18:18; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;41032
 13; 5219.5; 04-JAN-2010 15:23:30; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;41032
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 16; 5965.9; 04-JAN-2010 15:35:57; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 0;41032
 17; 6067.7; 04-JAN-2010 15:37:39; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41032
 18; 6185.4; 04-JAN-2010 15:39:36; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41032
 19; 6294.3; 04-JAN-2010 15:41:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41032
 20; 6558.1; 04-JAN-2010 15:45:49; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;41032
 21; 6694.1; 04-JAN-2010 15:48:05; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;41032
 22; 6808.3; 04-JAN-2010 15:49:59; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41032
 23; 6978.2; 04-JAN-2010 15:52:49; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;41032
 24; 7109.3; 04-JAN-2010 15:55:00; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;41032
 25; 7226.6; 04-JAN-2010 15:56:58; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;41032

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 3; 1588.1; 04-JAN-2010 16:03:35; Dark ; 49.5; 1; 9Alp CMa ; -1.44; 11000;occ; 99; 0;41033
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 7; 2555.6; 04-JAN-2010 16:19:43; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;41033
 8; 2689.2; 04-JAN-2010 16:21:56; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;41033
 9; 3685.3; 04-JAN-2010 16:38:32; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41033
 10; 3953.8; 04-JAN-2010 16:43:01; Bright; 53.5; 55; 79Zet UMa ; 2.06; 10200;occ; 107; 0;41033
 11; 4354.5; 04-JAN-2010 16:49:41; Bright; 56.0; 180; 27Gam Boo ; 3.04; 8000;occ; 112; 0;41033
 12; 4585.9; 04-JAN-2010 16:53:33; Bright; 46.0; 83; ; 2.38; 11000;occ; 92; 0;41033
 13; 4907.3; 04-JAN-2010 16:58:54; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;41033
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 16; 5807.0; 04-JAN-2010 17:13:54; Dark ; 48.5; 54; 5The Cen ; 2.06; 4500;occ; 97; 0;41033
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23;	4437.5;	07-JAN-2010	23:39:13;	Bright;	;	33.0;	133;	40Zet Her	;	2.81;	6000;occ;	66;	0;	41080
24;	4565.0;	07-JAN-2010	23:41:21;	Bright;	;	38.0;	67;	5Alp CrB	;	2.22;	11000;occ;	76;	0;	41080
25;	4923.8;	07-JAN-2010	23:47:20;	Bright;	;	57.0;	102;	24Alp Ser	;	2.60;	4250;occ;	114;	0;	41080
26;	5057.7;	07-JAN-2010	23:49:33;	Bright;	;	34.0;	120;	1Del Oph	;	2.73;	3200;occ;	68;	0;	41080
27;	5245.9;	07-JAN-2010	23:52:42;	Dark	;	46.5;	104;	27Bet Lib	;	2.61;	13100;occ;	93;	0;	41080

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

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

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 16; 6091.7; 07-JAN-2010 09:01:24; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41071
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 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
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 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
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 8; 4087.0; 07-JAN-2010 10:08:35; Bright; 50.0; 39; 85Eta UMa ; 1.85; 24000;occ; 100; 0;41072
 9; 4354.8; 07-JAN-2010 10:13:03; Bright; 46.5; 180; 27Gam Boo ; 3.04; 8000;occ; 93; 0;41072
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 11; 4921.1; 07-JAN-2010 10:22:29; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;41072
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 13; 5415.0; 07-JAN-2010 10:30:43; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;41072
 14; 5838.7; 07-JAN-2010 10:37:47; Dark ; 50.5; 54; 5The Cen ; 2.06; 4500;occ; 101; 0;41072
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 16; 6092.3; 07-JAN-2010 10:42:01; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41072
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 8; 3924.6; 07-JAN-2010 11:46:29; Bright; 33.0; 119; 14Eta Dra ; 2.73; 4700;occ; 66; 0;41073
 9; 4086.8; 07-JAN-2010 11:49:11; Bright; 50.0; 39; 85Eta UMa ; 1.85; 24000;occ; 100; 0;41073
 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
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 22; 6828.6; 07-JAN-2010 12:34:53; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41073
 23; 6996.8; 07-JAN-2010 12:37:41; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;41073
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11; 4595.4; 07-JAN-2010 13:38:15; Bright; 49.0; 83; ; 2.38; 11000;occ; 98; 0;41074
12; 4921.8; 07-JAN-2010 13:43:42; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;41074
13; 5242.7; 07-JAN-2010 13:49:03; Dark ; 47.0; 104; 27Bet Lib ; 2.61; 13100;occ; 94; 0;41074
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17; 6093.7; 07-JAN-2010 14:03:14; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41074
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3; 2031.3; 07-JAN-2010 14:36:07; Dark ; 51.0; 14; 58Alp Ori ; 0.87; 3000;occ; 102; 0;41075
4; 2203.9; 07-JAN-2010 14:39:00; Dark ; 49.5; 44; 24Gam Gem ; 1.93; 11000;occ; 99; 0;41075
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6; 2549.1; 07-JAN-2010 14:44:45; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;41075
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9; 3924.6; 07-JAN-2010 15:07:41; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;41075
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29;	3423.9;	08-JAN-2010	06:04:43;	Bright;	37.0;	49;	1Alp UMi	; 1.99;	6300;occ;	74;	0;41084
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3;	2302.8;	08-JAN-2010	07:26:38;	Bright;	56.0;	151;	13Mu Gem	; 2.89;	3000;occ;	112;	0;41085
4;	2395.5;	08-JAN-2010	07:28:11;	Bright;	39.0;	28;	12Bet Tau	; 1.65;	15200;occ;	78;	0;41085
5;	2547.7;	08-JAN-2010	07:30:43;	Bright;	38.0;	107;	37The Aur	; 2.65;	11000;occ;	76;	0;41085
6;	2680.5;	08-JAN-2010	07:32:56;	Bright;	38.0;	42;	34Bet Aur	; 1.90;	10200;occ;	76;	0;41085
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8;	3678.8;	08-JAN-2010	07:49:34;	Bright;	35.0;	60;	7Bet UMi	; 2.08;	3950;occ;	70;	0;41085
9;	3924.6;	08-JAN-2010	07:53:40;	Bright;	38.0;	119;	14Eta Dra	; 2.73;	4700;occ;	76;	0;41085
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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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 19; 724.6; 14-JAN-2010 05:31:14; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;41170
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 22; 1129.7; 14-JAN-2010 05:37:59; Dark ; 42.5; 70; Zet Pup ; 2.25; 39000;occ; 85; 0;41170
 23; 1231.9; 14-JAN-2010 05:39:41; Dark ; 43.0; 117; Pi Pup ; 2.71; 3800;occ; 86; 0;41170
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 22; 4638.0; 14-JAN-2010 23:22:26; Bright; 39.0; 127; 27Bet Her ; 2.78; 4700;occ; 78; 0;41180
 23; 4966.8; 14-JAN-2010 23:27:55; Bright; 45.0; 102; 24Alp Ser ; 2.60; 4250;occ; 90; 0;41180
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 16; 1607.5; 15-JAN-2010 00:12:32; Dark ; 44.5; 1; 9Alp Cma ; -1.44; 11000;occ; 89; 0;41181
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 27; 4638.4; 15-JAN-2010 01:03:03; Bright; 55.0; 127; 27Bet Her ; 2.78; 4700;occ; 110; 0;41181
 28; 4967.4; 15-JAN-2010 01:08:32; Bright; 61.0; 102; 24Alp Ser ; 2.60; 4250;occ; 122; 0;41181
 29; 5095.3; 15-JAN-2010 01:10:40; Bright; 56.0; 120; 1Del Oph ; 2.73; 3200;occ; 112; 0;41181
 30; 5177.7; 15-JAN-2010 01:12:02; Bright; 53.0; 98; 13Zet Oph ; 2.57; 30000;occ; 106; 0;41181
 31; 5314.4; 15-JAN-2010 01:14:19; Dark ; 17.0; 104; 27Bet Lib ; 2.61; 13100;occ; 34; 0;41181

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 11; -179.5; 14-JAN-2010 06:56:46; Dark ; 41.5; 109; Bet Lup ; 2.68; 26000;occ; 83; 0;41170
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 13; 30.5; 14-JAN-2010 07:00:16; Dark ; 42.5; 95; Zet Cen ; 2.55; 26000;occ; 85; 0;41171
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 16; 388.2; 14-JAN-2010 07:06:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41171
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 19; 801.5; 14-JAN-2010 07:13:07; Dark ; 47.0; 41; Eps Car ; 1.86; 4100;occ; 94; 0;41171
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 22; 1232.1; 14-JAN-2010 07:20:17; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;41171
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 5; 2672.6; 14-JAN-2010 07:44:18; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0;41171
 6; 3424.9; 14-JAN-2010 07:56:50; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;41171
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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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28; 7098.9; 27-JAN-2010 12:10:38; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;41359
29; 7224.6; 27-JAN-2010 12:12:44; Dark ; 42.5; 70; Zet Pup ; 2.25; 39000;occ; 85; 0;41359
30; 7495.2; 27-JAN-2010 12:17:14; Dark ; 43.0; 37; 25Del CMa ; 1.83; 5900;occ; 86; 0;41359

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2; 2191.2; 27-JAN-2010 12:29:26; Bright; 39.5; 44; 24Gam Gem ; 1.93; 11000;occ; 79; 0;41360
3; 2299.4; 27-JAN-2010 12:31:14; Bright; 38.0; 151; 13Mu Gem ; 2.89; 3000;occ; 76; 0;41360
4; 2405.6; 27-JAN-2010 12:33:00; Bright; 43.0; 17; 78Bet Gem ; 1.16; 4500;occ; 86; 0;41360
5; 3426.9; 27-JAN-2010 12:50:02; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;41360
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11; 4779.7; 27-JAN-2010 13:12:35; Bright; 47.0; 59; 55Alp Oph ; 2.08; 8900;occ; 94; 0;41360
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29; 7495.1; 27-JAN-2010 13:57:50; Dark ; 41.5; 37; 25Del CMa ; 1.83; 5900;occ; 83; 0;41360

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5; 2405.5; 27-JAN-2010 14:13:36; Bright; 43.0; 17; 78Bet Gem ; 1.16; 4500;occ; 86; 0;41361
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8; 3906.3; 27-JAN-2010 14:38:37; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;41361

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 11; 4684.4; 27-JAN-2010 14:51:35; Bright; 46.5; 127; 27Bet Her ; 2.78; 4700;occ; 93; 0;41361
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 13; 4907.0; 27-JAN-2010 14:55:18; Bright; 34.5; 126; 60Bet Oph ; 2.77; 4250;occ; 69; 0;41361
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 17; 5611.7; 27-JAN-2010 15:07:02; Dark ; 45.0; 75; 26Eps Sco ; 2.29; 4250;occ; 90; 0;41361
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 28; 7099.4; 27-JAN-2010 15:31:50; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;41361
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 3; 2191.4; 27-JAN-2010 15:50:38; Bright; 40.0; 44; 24Gam Gem ; 1.93; 11000;occ; 80; 0;41362
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 5; 2405.4; 27-JAN-2010 15:54:12; Bright; 43.5; 17; 78Bet Gem ; 1.16; 4500;occ; 87; 0;41362
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 23; 6596.7; 27-JAN-2010 17:04:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41362
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 2; 1189.4; 27-JAN-2010 17:14:32; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41363
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 5; 2191.3; 27-JAN-2010 17:31:14; Bright; 40.0; 44; 24Gam Gem ; 1.93; 11000;occ; 80; 0;41363
 6; 2299.4; 27-JAN-2010 17:33:02; Bright; 40.5; 151; 13Mu Gem ; 2.89; 3000;occ; 81; 0;41363
 7; 2405.1; 27-JAN-2010 17:34:48; Bright; 43.0; 17; 78Bet Gem ; 1.16; 4500;occ; 86; 0;41363
 8; 3427.1; 27-JAN-2010 17:51:50; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41363
 9; 3628.4; 27-JAN-2010 17:55:11; Bright; 45.0; 60; 7Bet UMi ; 2.08; 3950;occ; 90; 0;41363
 10; 3905.8; 27-JAN-2010 17:59:49; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;41363
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 17; 5532.8; 27-JAN-2010 18:26:55; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;41363
 18; 5612.7; 27-JAN-2010 18:28:15; Dark ; 44.5; 75; 26Eps Sco ; 2.29; 4250;occ; 89; 0;41363

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 20; 5999.9; 27-JAN-2010 18:34:43; Dark ; 43.5; 109; Bet Lup ; 2.68; 26000;occ; 87; 0;41363
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 24; 6473.1; 27-JAN-2010 18:42:36; Dark ; 45.5; 12; Alp1Cru ; 0.77; 30000;occ; 91; 0;41363
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15; 457.0; 30-JAN-2010 07:04:29; Dark ; 50.0; 12; Alp1Cru ; 0.77; 30000;occ; 100; 0;41400
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18; 815.5; 30-JAN-2010 07:10:27; Dark ; 46.5; 71; Iot Car ; 2.25; 7700;occ; 93; 0;41400
19; 921.4; 30-JAN-2010 07:12:13; Dark ; 44.5; 46; Del Vel ; 1.95; 10600;occ; 89; 0;41400
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21; 1199.0; 30-JAN-2010 07:16:51; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;41400
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3; 2339.1; 30-JAN-2010 07:35:51; Bright; 38.0; 170; 27Eps Gem ; 3.00; 9700;occ; 76; 0;41400
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6; 3619.8; 30-JAN-2010 07:57:12; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;41400
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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9; 4301.6; 30-JAN-2010 08:08:33; Bright; 38.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 77; 0;41400
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13; 5302.4; 30-JAN-2010 08:25:14; Dark ; 43.5; 86; 35Eta Oph ; 2.43; 10200;occ; 87; 0;41400
14; 5556.2; 30-JAN-2010 08:29:28; Dark ; 48.5; 16; 21Alp Sco ; 1.02; 3000;occ; 97; 0;41400
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19; 6493.4; 30-JAN-2010 08:45:05; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;41400
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21; 6736.6; 30-JAN-2010 08:49:08; Dark ; 38.5; 159; Ups Car ; 2.92; 7200;occ; 77; 0;41400
22; 6851.8; 30-JAN-2010 08:51:04; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;41400
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4; 2459.1; 30-JAN-2010 09:18:27; Bright; 40.0; 24; 66Alp Gem ; 1.58; 10200;occ; 80; 0;41401
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6; 3619.3; 30-JAN-2010 09:37:47; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41401
7; 3900.3; 30-JAN-2010 09:42:28; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;41401
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9; 4301.3; 30-JAN-2010 09:49:09; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;41401
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13; 5302.8; 30-JAN-2010 10:05:51; Dark ; 43.5; 86; 35Eta Oph ; 2.43; 10200;occ; 87; 0;41401
14; 5556.7; 30-JAN-2010 10:10:04; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;41401
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18; 6329.0; 30-JAN-2010 10:22:57; Dark ; 44.5; 77; Eps Cen ; 2.30; 28000;occ; 89; 0;41401
19; 6493.9; 30-JAN-2010 10:25:42; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;41401
20; 6609.0; 30-JAN-2010 10:27:37; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;41401
21; 6737.1; 30-JAN-2010 10:29:45; Dark ; 39.5; 159; Ups Car ; 2.92; 7200;occ; 79; 0;41401
22; 6852.1; 30-JAN-2010 10:31:40; Dark ; 37.5; 71; Iot Car ; 2.25; 7700;occ; 75; 0;41401

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25; 7235.3; 30-JAN-2010 10:38:03; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41401
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 5; 3619.3; 30-JAN-2010 11:18:23; Bright; 45.5; 60; 7Bet UMi ; 2.08; 3950;occ; 91; 0;41402
 6; 3900.4; 30-JAN-2010 11:23:04; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;41402
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 9; 4484.1; 30-JAN-2010 11:32:48; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;41402
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11; 4918.8; 30-JAN-2010 11:40:02; Bright; 35.5; 126; 60Bet Oph ; 2.77; 4250;occ; 71; 0;41402
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13; 5557.2; 30-JAN-2010 11:50:41; Dark ; 45.5; 16; 21Alp Sco ; 1.02; 3000;occ; 109; 0;41402
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23; 6852.2; 30-JAN-2010 12:12:16; Dark ; 38.5; 71; Iot Car ; 2.25; 7700;occ; 77; 0;41402
24; 6957.8; 30-JAN-2010 12:14:01; Dark ; 45.5; 46; Del Vel ; 1.95; 10600;occ; 91; 0;41402
25; 7110.5; 30-JAN-2010 12:16:34; Dark ; 41.0; 34; Gam2Vel ; 1.79; 23000;occ; 82; 0;41402
26; 7235.8; 30-JAN-2010 12:18:39; Dark ; 39.5; 70; Zet Pup ; 2.25; 39000;occ; 79; 0;41402
27; 7444.2; 30-JAN-2010 12:22:08; Dark ; 39.0; 88; 31Eta CMa ; 2.45; 20000;occ; 78; 0;41402
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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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23; 6738.2; 30-JAN-2010 15:31:34; Dark ; 39.5; 159; Ups Car ; 2.92; 7200;occ; 79; 0;41404
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25; 6958.5; 30-JAN-2010 15:35:14; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41404
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