

GOMOS Daily Report 15-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	17JAN2010 04:36:07
Data source version	GOMOS/5.00L04
Start time of products	15JAN2010 00:02:29
Stop time of products	15JAN2010 23:58:39
Store outputs in DB	Yes
Nb of level 1b prods	154
Nb of prods with errors	2

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

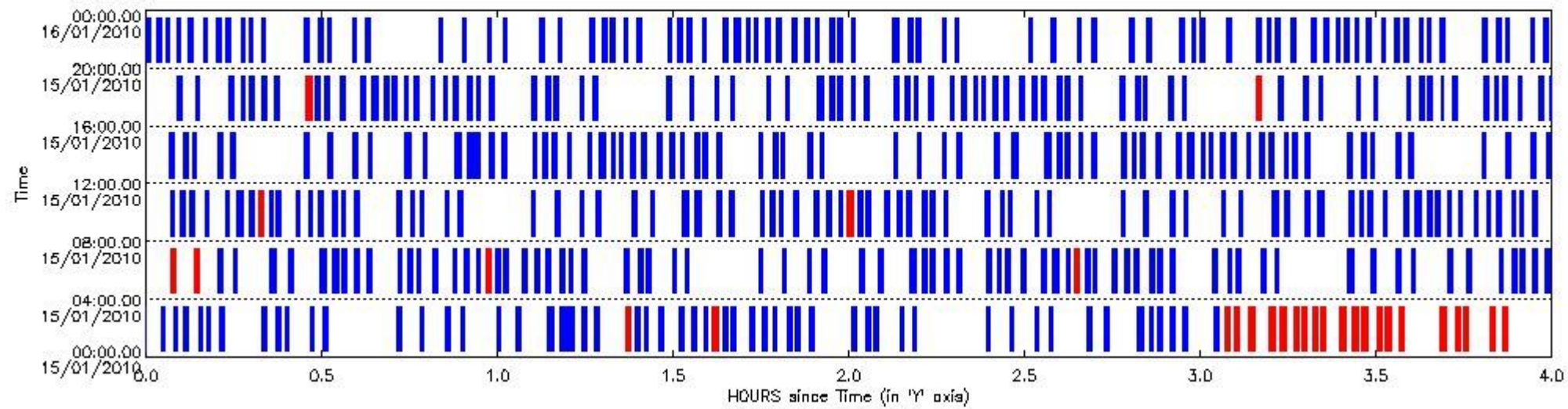
2.1 Level 0 products arrived in PCF (see template [here](#))

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
15-JAN-2010 01:21:49	GamLup	131	41181
15-JAN-2010 01:36:41	BetCar	29	41182
15-JAN-2010 03:04:10	BetLup	109	41182
15-JAN-2010 03:05:40	AlpLup	78	41182
15-JAN-2010 03:08:17	Alp1Cen	4	41183
15-JAN-2010 03:11:47	BetCru	20	41183
15-JAN-2010 03:13:41	DSA1053	0	41183
15-JAN-2010 03:15:54	TheCar	124	41183
15-JAN-2010 03:17:17	BetCar	29	41183
15-JAN-2010 03:19:12	lotCar	71	41183
15-JAN-2010 03:20:27	EpsCar	41	41183
15-JAN-2010 03:23:47	Gam2Vel	34	41183
15-JAN-2010 03:25:56	ZetPup	70	41183
15-JAN-2010 03:27:37	PiPup	117	41183
15-JAN-2010 03:30:10	21EpsCMa	23	41183

15-JAN-2010 03:31:36	24Omi2CMa	179	41183
15-JAN-2010 03:33:49	9AlpCMa	1	41183
15-JAN-2010 03:41:00	58AlpOri	14	41183
15-JAN-2010 03:43:31	24GamGem	44	41183
15-JAN-2010 03:44:56	23ZetTau	176	41183
15-JAN-2010 03:49:22	37TheAur	107	41183
15-JAN-2010 03:51:34	34BetAur	42	41183
15-JAN-2010 04:04:07	1AlpUMi	49	41183
15-JAN-2010 04:08:06	7BetUMi	60	41183
15-JAN-2010 04:57:53	BetCar	29	41184
15-JAN-2010 06:38:30	BetCar	29	41185
15-JAN-2010 08:19:06	BetCar	29	41186
15-JAN-2010 09:59:42	BetCar	29	41187
15-JAN-2010 16:27:17	GamLup	131	41190
15-JAN-2010 19:09:30	1AlpUMi	49	41192

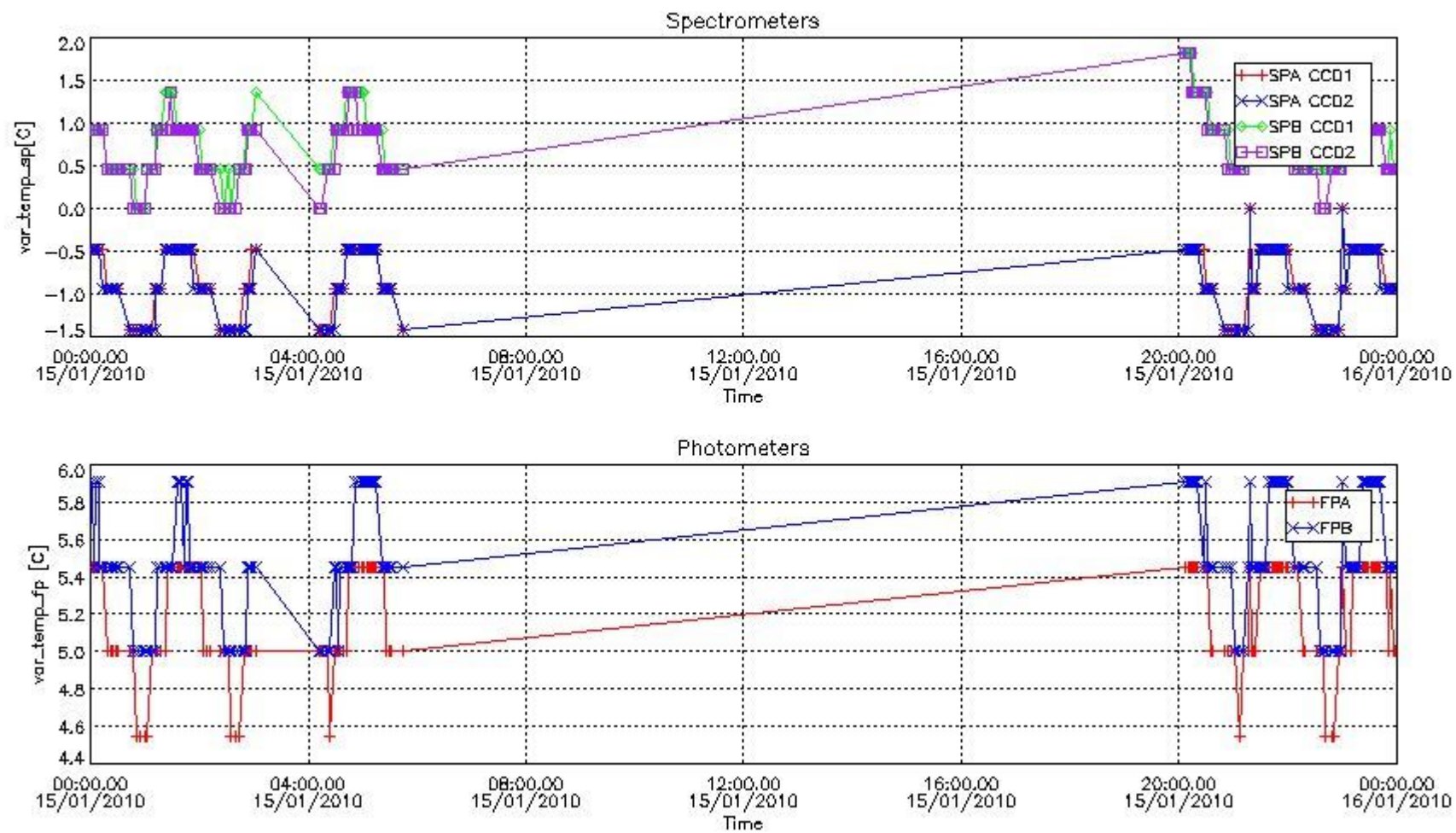
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100115_000229_000000432086_00045_41181_4551.N1	15-JAN-2010 00:02:29	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	41181	No
2	GOM_TRA_1PNPDE20100115_000438_000000442086_00045_41181_4552.N1	15-JAN-2010 00:04:38	Dark	43.500	70	Zet Pup	2.2460	39000.	87	41181	No
3	GOM_TRA_1PNPDE20100115_000619_000000452086_00045_41181_4553.N1	15-JAN-2010 00:06:19	Straylight	44.500	117	Pi Pup	2.7060	3800.0	89	41181	No
4	GOM_TRA_1PNPDE20100115_000853_000000432086_00045_41181_4554.N1	15-JAN-2010 00:08:53	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	41181	No
5	GOM_TRA_1PNPDE20100115_001018_000000412086_00045_41181_4555.N1	15-JAN-2010 00:10:18	Straylight	41.000	179	24Omi2CMa	3.0320	24000.	82	41181	No
6	GOM_TRA_1PNPDE20100115_001232_000000452086_00045_41181_4556.N1	15-JAN-2010 00:12:32	Straylight	44.500	1	9Alp CMa	-1.4400	11000.	89	41181	No
7	GOM_TRA_1PNPDE20100115_001942_000000522086_00045_41181_4557.N1	15-JAN-2010 00:19:42	Twilight_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	41181	No
8	GOM_TRA_1PNPDE20100115_002214_000000462086_00045_41181_4558.N1	15-JAN-2010 00:22:14	Bright	45.500	44	24Gam Gem	1.9280	11000.	91	41181	No
9	GOM_TRA_1PNPDE20100115_002339_000000382086_00045_41181_4559.N1	15-JAN-2010 00:23:39	Bright	38.000	176	23Zet Tau	3.0200	22000.	76	41181	No
10	GOM_TRA_1PNPDE20100115_002805_000000362086_00045_41181_4560.N1	15-JAN-2010 00:28:05	Bright	36.000	107	37The Aur	2.6490	11000.	72	41181	No
11	GOM_TRA_1PNPDE20100115_003016_000000392086_00045_41181_4561.N1	15-JAN-2010 00:30:16	Bright	38.500	42	34Bet Aur	1.9000	10200.	77	41181	No
12	GOM_TRA_1PNPDE20100115_004249_000000392086_00045_41181_4562.N1	15-JAN-2010 00:42:49	Bright	39.000	49	1Alp UMi	1.9900	6300.0	78	41181	No
13	GOM_TRA_1PNPDE20100115_004649_000000362086_00045_41181_4563.N1	15-JAN-2010 00:46:49	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	41181	No
14	GOM_TRA_1PNPDE20100115_005107_000000392086_00045_41181_4564.N1	15-JAN-2010 00:51:07	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	41181	No
15	GOM_TRA_1PNPDE20100115_005340_000000362086_00045_41181_4565.N1	15-JAN-2010 00:53:40	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	41181	No
16	GOM_TRA_1PNPDE20100115_005957_000000362086_00045_41181_4566.N1	15-JAN-2010 00:59:57	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	41181	No
17	GOM_TRA_1PNPDE20100115_010303_000000522086_00045_41181_4567.N1	15-JAN-2010 01:03:03	Bright	55.000	127	27Bet Her	2.7810	4700.0	110	41181	No
18	GOM_TRA_1PNPDE20100115_010832_000000612086_00045_41181_4568.N1	15-JAN-2010 01:08:32	Bright	61.000	102	24Alp Ser	2.6000	4250.0	122	41181	No
19	GOM_TRA_1PNPDE20100115_011040_000000562086_00045_41181_4569.N1	15-JAN-2010 01:10:40	Bright	56.000	120	1Del Oph	2.7340	3200.0	112	41181	No
20	GOM_TRA_1PNPDE20100115_011202_000000532086_00045_41181_4570.N1	15-JAN-2010 01:12:02	Bright	53.000	98	13Zet Oph	2.5710	30000.	106	41181	No
21	GOM_TRA_1PNPDE20100115_011419_000000462086_00045_41181_4562.N1	15-JAN-2010 01:14:19	Twilight_stray	45.500	104	27Bet Lib	2.6140	13100.	91	41181	No
22	GOM_TRA_1PNPDE20100115_011629_000000482086_00045_41181_4563.N1	15-JAN-2010 01:16:29	Twilight_stray	48.000	16	21Alp Sco	1.0200	3000.0	96	41181	No
23	GOM_TRA_1PNPDE20100115_012328_000000412086_00045_41181_4564.N1	15-JAN-2010 01:23:28	Dark	41.000	109	Bet Lup	2.6770	26000.	82	41181	No
24	GOM_TRA_1PNPDE20100115_012458_000000412086_00045_41181_4565.N1	15-JAN-2010 01:24:58	Dark	40.500	78	Alp Lup	2.3040	28000.	81	41181	No
25	GOM_TRA_1PNPDE20100115_012735_000000422086_00046_41182_4566.N1	15-JAN-2010 01:27:35	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	41182	No
26	GOM_TRA_1PNPDE20100115_013105_000000472086_00046_41182_4567.N1	15-JAN-2010 01:31:05	Dark	46.500	20	Bet Cru	1.2530	30000.	93	41182	No
27	GOM_TRA_1PNPDE20100115_013512_000000382086_00046_41182_4568.N1	15-JAN-2010 01:35:12	Dark	38.000	124	The Car	2.7640	30000.	76	41182	No
28	GOM_TRA_1PNPDE20100115_013830_000000402086_00046_41182_4569.N1	15-JAN-2010 01:38:30	Dark	39.500	71	Iot Car	2.2460	7700.0	79	41182	No
29	GOM_TRA_1PNPDE20100115_013945_000000452086_00046_41182_4570.N1	15-JAN-2010 01:39:45	Dark	45.000	41	Eps Car	1.8600	4100.0	90	41182	No
30	GOM_TRA_1PNPDE20100115_014305_000000422086_00046_41182_4571.N1	15-JAN-2010 01:43:05	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	41182	No
31	GOM_TRA_1PNPDE20100115_014514_000000442086_00046_41182_4572.N1	15-JAN-2010 01:45:14	Dark	43.500	70	Zet Pup	2.2460	39000.	87	41182	No
32	GOM_TRA_1PNPDE20100115_014655_000000462086_00046_41182_4573.N1	15-JAN-2010 01:46:55	Straylight	45.500	117	Pi Pup	2.7060	3800.0	91	41182	No
33	GOM_TRA_1PNPDE20100115_014928_000000432086_00046_41182_4574.N1	15-JAN-2010 01:49:28	Straylight	42.500	23	21Eps CMa	1.5020	26000.	85	41182	No
34	GOM_TRA_1PNPDE20100115_015054_000000432086_00046_41182_4575.N1	15-JAN-2010 01:50:54	Straylight	42.500	179	24Omi2CMa	3.0320	24000.	85	41182	No
35	GOM_TRA_1PNPDE20100115_015308_000000472086_00046_41182_4576.N1	15-JAN-2010 01:53:08	Straylight	46.500	1	9Alp CMa	-1.4400	11000.	93	41182	No
36	GOM_TRA_1PNPDE20100115_020018_000000522086_00046_41182_4577.N1	15-JAN-2010 02:00:18	Twilight_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	41182	No
37	GOM_TRA_1PNPDE20100115_020249_000000462086_00046_41182_4578.N1	15-JAN-2010 02:02:49	Bright	46.000	44	24Gam Gem	1.9280	11000.	92	41182	No
38	GOM_TRA_1PNPDE20100115_020415_000000382086_00046_41182_4579.N1	15-JAN-2010 02:04:15	Bright	37.500	176	23Zet Tau	3.0200	22000.	75	41182	No
39	GOM_TRA_1PNPDE20100115_020841_000000362086_00046_41182_4580.N1	15-JAN-2010 02:08:41	Bright	36.000	107	37The Aur	2.6490	11000.	72	41182	No

40	GOM_TRA_1PNPDE20100115_021052_000000382086_00046_41182_4581.N1	15-JAN-2010 02:10:52	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	41182	No
41	GOM_TRA_1PNPDE20100115_022325_000000342086_00046_41182_4582.N1	15-JAN-2010 02:23:25	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	41182	No
42	GOM_TRA_1PNPDE20100115_022724_000000412086_00046_41182_4583.N1	15-JAN-2010 02:27:24	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41182	No
43	GOM_TRA_1PNPDE20100115_023143_000000382086_00046_41182_4584.N1	15-JAN-2010 02:31:43	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	41182	No
44	GOM_TRA_1PNPDE20100115_023416_000000352086_00046_41182_4585.N1	15-JAN-2010 02:34:16	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	41182	No
45	GOM_TRA_1PNPDE20100115_024033_000000542086_00046_41182_4586.N1	15-JAN-2010 02:40:33	Bright	54.000	133	40Zet Her	2.8070	6000.0	108	41182	No
46	GOM_TRA_1PNPDE20100115_024339_000000492086_00046_41182_4587.N1	15-JAN-2010 02:43:39	Bright	49.000	127	27Bet Her	2.7810	4700.0	98	41182	No
47	GOM_TRA_1PNPDE20100115_024908_000000612086_00046_41182_4588.N1	15-JAN-2010 02:49:08	Bright	61.000	102	24Alp Ser	2.6000	4250.0	122	41182	No
48	GOM_TRA_1PNPDE20100115_025116_000000422086_00046_41182_4589.N1	15-JAN-2010 02:51:16	Bright	41.500	120	1Del Oph	2.7340	3200.0	83	41182	No
49	GOM_TRA_1PNPDE20100115_025238_000000532086_00046_41182_4590.N1	15-JAN-2010 02:52:38	Bright	53.000	98	13Zet Oph	2.5710	30000.	106	41182	No
50	GOM_TRA_1PNPDE20100115_025455_000000502086_00046_41182_4591.N1	15-JAN-2010 02:54:55	Tw_i_and_stray	50.000	104	27Bet Lib	2.6140	13100.	100	41182	No
51	GOM_TRA_1PNPDE20100115_025705_000000492086_00046_41182_4592.N1	15-JAN-2010 02:57:05	Tw_i_and_stray	48.500	16	21Alp Sco	1.0200	3000.0	97	41182	No
52	GOM_TRA_1PNPDE20100115_030220_000000402086_00046_41182_4593.N1	15-JAN-2010 03:02:20	Dark	40.000	131	Gam Lup	2.8000	26000.	80	41182	No
53	GOM_TRA_1PNPDE20100115_041219_000000372086_00047_41183_4579.N1	15-JAN-2010 04:12:19	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	41183	No
54	GOM_TRA_1PNPDE20100115_041452_000000362086_00047_41183_4580.N1	15-JAN-2010 04:14:52	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	41183	No
55	GOM_TRA_1PNPDE20100115_042109_000000542086_00047_41183_4581.N1	15-JAN-2010 04:21:09	Bright	54.000	133	40Zet Her	2.8070	6000.0	108	41183	No
56	GOM_TRA_1PNPDE20100115_042415_000000552086_00047_41183_4582.N1	15-JAN-2010 04:24:15	Bright	55.000	127	27Bet Her	2.7810	4700.0	110	41183	No
57	GOM_TRA_1PNPDE20100115_042945_000000612086_00047_41183_4583.N1	15-JAN-2010 04:29:45	Bright	61.000	102	24Alp Ser	2.6000	4250.0	122	41183	No
58	GOM_TRA_1PNPDE20100115_043152_000000562086_00047_41183_4584.N1	15-JAN-2010 04:31:52	Bright	56.000	120	1Del Oph	2.7340	3200.0	112	41183	No
59	GOM_TRA_1PNPDE20100115_043315_000000532086_00047_41183_4585.N1	15-JAN-2010 04:33:15	Bright	53.000	98	13Zet Oph	2.5710	30000.	106	41183	No
60	GOM_TRA_1PNPDE20100115_043532_000000462086_00047_41183_4586.N1	15-JAN-2010 04:35:32	Tw_i_and_stray	45.500	104	27Bet Lib	2.6140	13100.	91	41183	No
61	GOM_TRA_1PNPDE20100115_043742_000000512086_00047_41183_4587.N1	15-JAN-2010 04:37:42	Tw_i_and_stray	50.500	16	21Alp Sco	1.0200	3000.0	101	41183	No
62	GOM_TRA_1PNPDE20100115_044256_000000392086_00047_41183_4588.N1	15-JAN-2010 04:42:56	Dark	39.000	131	Gam Lup	2.8000	26000.	78	41183	No
63	GOM_TRA_1PNPDE20100115_044441_000000422086_00047_41183_4589.N1	15-JAN-2010 04:44:41	Dark	42.000	109	Bet Lup	2.6770	26000.	84	41183	No
64	GOM_TRA_1PNPDE20100115_044612_000000422086_00047_41183_4590.N1	15-JAN-2010 04:46:12	Dark	41.500	78	Alp Lup	2.3040	28000.	83	41183	No
65	GOM_TRA_1PNPDE20100115_044848_000000542086_00048_41184_4591.N1	15-JAN-2010 04:48:48	Dark	54.000	4	Alp1Cen	-0.010000	5800.0	108	41184	No
66	GOM_TRA_1PNPDE20100115_045218_000000422086_00048_41184_4592.N1	15-JAN-2010 04:52:18	Dark	41.500	20	Bet Cru	1.2530	30000.	83	41184	No
67	GOM_TRA_1PNPDE20100115_045625_000000372086_00048_41184_4593.N1	15-JAN-2010 04:56:25	Dark	37.000	124	The Car	2.7640	30000.	74	41184	No
68	GOM_TRA_1PNPDE20100115_045943_000000452086_00048_41184_4594.N1	15-JAN-2010 04:59:43	Dark	45.000	71	lot Car	2.2460	7700.0	90	41184	No
69	GOM_TRA_1PNPDE20100115_050058_000000472086_00048_41184_4595.N1	15-JAN-2010 05:00:58	Dark	47.000	41	Eps Car	1.8600	4100.0	94	41184	No
70	GOM_TRA_1PNPDE20100115_050418_000000442086_00048_41184_4596.N1	15-JAN-2010 05:04:18	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	41184	No
71	GOM_TRA_1PNPDE20100115_050627_000000452086_00048_41184_4597.N1	15-JAN-2010 05:06:27	Dark	44.500	70	Zet Pup	2.2460	39000.	89	41184	No
72	GOM_TRA_1PNPDE20100115_050808_000000452086_00048_41184_4598.N1	15-JAN-2010 05:08:08	Straylight	45.000	117	Pi Pup	2.7060	3800.0	90	41184	No
73	GOM_TRA_1PNPDE20100115_051041_000000422086_00048_41184_4599.N1	15-JAN-2010 05:10:41	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	41184	No
74	GOM_TRA_1PNPDE20100115_051207_000000412086_00048_41184_4600.N1	15-JAN-2010 05:12:07	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	41184	No
75	GOM_TRA_1PNPDE20100115_051420_000000462086_00048_41184_4601.N1	15-JAN-2010 05:14:20	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	41184	No
76	GOM_TRA_1PNPDE20100115_052130_000000522086_00048_41184_4602.N1	15-JAN-2010 05:21:30	Tw_i_and_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	41184	No
77	GOM_TRA_1PNPDE20100115_052401_000000452086_00048_41184_4603.N1	15-JAN-2010 05:24:01	Bright	45.000	44	24Gam Gem	1.9280	11000.	90	41184	No
78	GOM_TRA_1PNPDE20100115_052527_000000372086_00048_41184_4604.N1	15-JAN-2010 05:25:27	Bright	36.500	176	23Zet Tau	3.0200	22000.	73	41184	No
79	GOM_TRA_1PNPDE20100115_052953_000000372086_00048_41184_4605.N1	15-JAN-2010 05:29:53	Bright	37.000	107	37The Aur	2.6490	11000.	74	41184	No
80	GOM_TRA_1PNPDE20100115_053204_000000372086_00048_41184_4606.N1	15-JAN-2010 05:32:04	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41184	No
81	GOM_TRA_1PNPDE20100115_054437_000000382086_00048_41184_4607.N1	15-JAN-2010 05:44:37	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	41184	No
82	GOM_TRA_1PNPDE20100115_200702_000000462086_00057_41193_4673.N1	15-JAN-2010 20:07:02	Dark	45.500	46	Del Vel	1.9540	10600.	91	41193	No
83	GOM_TRA_1PNPDE20100115_200945_000000422086_00057_41193_4674.N1	15-JAN-2010 20:09:45	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	41193	No
84	GOM_TRA_1PNPDE20100115_201153_000000442086_00057_41193_4675.N1	15-JAN-2010 20:11:53	Dark	44.000	70	Zet Pup	2.2460	39000.	88	41193	No
85	GOM_TRA_1PNPDE20100115_201333_000000452086_00057_41193_4676.N1	15-JAN-2010 20:13:33	Straylight	45.000	117	Pi Pup	2.7060	3800.0	90	41193	No
86	GOM_TRA_1PNPDE20100115_201606_000000432086_00057_41193_4677.N1	15-JAN-2010 20:16:06	Straylight	42.500	23	21Eps CMa	1.5020	26000.	85	41193	No
87	GOM_TRA_1PNPDE20100115_201731_000000412086_00057_41193_4678.N1	15-JAN-2010 20:17:31	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	41193	No
88	GOM_TRA_1PNPDE20100115_201945_000000362086_00057_41193_4679.N1	15-JAN-2010 20:19:45	Straylight	35.500	1	9Alp CMa	-1.4400	11000.	71	41193	No
89	GOM_TRA_1PNPDE20100115_202655_000000522086_00057_41193_4680.N1	15-JAN-2010 20:26:55	Tw_i_and_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	41193	No
90	GOM_TRA_1PNPDE20100115_202924_000000532086_00057_41193_4681.N1	15-JAN-2010 20:29:24	Bright	53.000	44	24Gam Gem	1.9280	11000.	106	41193	No
91	GOM_TRA_1PNPDE20100115_203052_000000372086_00057_41193_4682.N1	15-JAN-2010 20:30:52	Bright	36.500	176	23Zet Tau	3.0200	22000.	73	41193	No
92	GOM_TRA_1PNPDE20100115_203516_000000352086_00057_41193_4683.N1	15-JAN-2010 20:35:16	Bright	35.000	107	37The Aur	2.6490	11000.	70	41193	No
93	GOM_TRA_1PNPDE20100115_203727_000000372086_00057_41193_4684.N1	15-JAN-2010 20:37:27	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41193	No
94	GOM_TRA_1PNPDE20100115_205001_000000372086_00057_41193_4685.N1	15-JAN-2010 20:50:01	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	41193	No
95	GOM_TRA_1PNPDE20100115_205358_000000402086_00057_41193_4686.N1	15-JAN-2010 20:53:58	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	41193	No
96	GOM_TRA_1PNPDE20100115_205817_000000392086_00057_41193_4687.N1	15-JAN-2010 20:58:17	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	41193	No
97	GOM_TRA_1PNPDE20100115_210053_000000332086_00057_41193_4688.N1	15-JAN-2010 21:00:53	Bright	33.000	130	23Bet Dra	2.7990	5800.0	66	41193	No
98	GOM_TRA_1PNPDE20100115_210710_000000542086_00057_41193_4689.N1	15-JAN-2010 21:07:10	Bright	54.000	133	40Zet Her	2.8070	6000.0	108	41193	No

99	GOM_TRA_1PNPDE20100115_211017_000000422086_00057_41193_4690.N1	15-JAN-2010 21:10:17	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	41193	No
100	GOM_TRA_1PNPDE20100115_211549_000000442086_00057_41193_4691.N1	15-JAN-2010 21:15:49	Bright	44.000	102	24Alp Ser	2.6000	4250.0	88	41193	No
101	GOM_TRA_1PNPDE20100115_211756_000000412086_00057_41193_4690.N1	15-JAN-2010 21:17:56	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	41193	Yes
102	GOM_TRA_1PNPDE20100115_211918_000000352086_00057_41193_4691.N1	15-JAN-2010 21:19:18	Bright	34.500	98	13Zet Oph	2.5710	30000.	69	41193	No
103	GOM_TRA_1PNPDE20100115_212139_000000262086_00057_41193_4692.N1	15-JAN-2010 21:21:39	Tw_i_and_stray	26.000	104	27Bet Lib	2.6140	13100.	52	41193	No
104	GOM_TRA_1PNPDE20100115_212345_000000502086_00057_41193_4693.N1	15-JAN-2010 21:23:45	Tw_i_and_stray	49.500	16	21Alp Sco	1.0200	3000.0	99	41193	No
105	GOM_TRA_1PNPDE20100115_212901_000000382086_00057_41193_4694.N1	15-JAN-2010 21:29:01	Dark	38.000	131	Gam Lup	2.8000	26000.	76	41193	No
106	GOM_TRA_1PNPDE20100115_213047_000000422086_00057_41193_4695.N1	15-JAN-2010 21:30:47	Dark	41.500	109	Bet Lup	2.6770	26000.	83	41193	No
107	GOM_TRA_1PNPDE20100115_213217_000000422086_00057_41193_4696.N1	15-JAN-2010 21:32:17	Dark	42.000	78	Alp Lup	2.3040	28000.	84	41193	No
108	GOM_TRA_1PNPDE20100115_213451_000000412086_00058_41194_4697.N1	15-JAN-2010 21:34:51	Dark	40.500	4	Alp1Cen	-0.010000	5800.0	81	41194	No
109	GOM_TRA_1PNPDE20100115_213824_000000502086_00058_41194_4698.N1	15-JAN-2010 21:38:24	Dark	49.500	20	Bet Cru	1.2530	30000.	99	41194	No
110	GOM_TRA_1PNPDE20100115_214229_000000402086_00058_41194_4699.N1	15-JAN-2010 21:42:29	Dark	40.000	124	The Car	2.7640	30000.	80	41194	No
111	GOM_TRA_1PNPDE20100115_214350_000000392086_00058_41194_4700.N1	15-JAN-2010 21:43:50	Dark	39.000	29	Bet Car	1.6720	10200.	78	41194	No
112	GOM_TRA_1PNPDE20100115_214547_000000392086_00058_41194_4701.N1	15-JAN-2010 21:45:47	Dark	39.000	71	lot Car	2.2460	7700.0	78	41194	No
113	GOM_TRA_1PNPDE20100115_214738_000000422086_00058_41194_4702.N1	15-JAN-2010 21:47:38	Dark	42.000	46	Del Vel	1.9540	10600.	84	41194	No
114	GOM_TRA_1PNPDE20100115_215021_000000412086_00058_41194_4703.N1	15-JAN-2010 21:50:21	Dark	41.000	34	Gam2Vel	1.7930	23000.	82	41194	No
115	GOM_TRA_1PNPDE20100115_215229_000000422086_00058_41194_4704.N1	15-JAN-2010 21:52:29	Dark	41.500	70	Zet Pup	2.2460	39000.	83	41194	No
116	GOM_TRA_1PNPDE20100115_215409_000000432086_00058_41194_4705.N1	15-JAN-2010 21:54:09	Straylight	42.500	117	Pi Pup	2.7060	3800.0	85	41194	No
117	GOM_TRA_1PNPDE20100115_215642_000000432086_00058_41194_4706.N1	15-JAN-2010 21:56:42	Straylight	42.500	23	21Eps CMa	1.5020	26000.	85	41194	No
118	GOM_TRA_1PNPDE20100115_215808_000000412086_00058_41194_4707.N1	15-JAN-2010 21:58:08	Straylight	41.000	179	24Omi2CMa	3.0320	24000.	82	41194	No
119	GOM_TRA_1PNPDE20100115_220021_000000442086_00058_41194_4708.N1	15-JAN-2010 22:00:21	Straylight	43.500	1	9Alp CMa	-1.4400	11000.	87	41194	No
120	GOM_TRA_1PNPDE20100115_220731_000000522086_00058_41194_4709.N1	15-JAN-2010 22:07:31	Tw_i_and_stray	51.500	14	58Alp Ori	0.87000	3000.0	103	41194	No
121	GOM_TRA_1PNPDE20100115_221000_000000542086_00058_41194_4710.N1	15-JAN-2010 22:10:00	Bright	54.000	44	24Gam Gem	1.9280	11000.	108	41194	No
122	GOM_TRA_1PNPDE20100115_221128_000000402086_00058_41194_4711.N1	15-JAN-2010 22:11:28	Bright	39.500	176	23Zet Tau	3.0200	22000.	79	41194	No
123	GOM_TRA_1PNPDE20100115_221552_000000452086_00058_41194_4712.N1	15-JAN-2010 22:15:52	Bright	44.500	107	37The Aur	2.6490	11000.	89	41194	No
124	GOM_TRA_1PNPDE20100115_221803_000000372086_00058_41194_4713.N1	15-JAN-2010 22:18:03	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41194	No
125	GOM_TRA_1PNPDE20100115_223036_000000342086_00058_41194_4714.N1	15-JAN-2010 22:30:36	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	41194	No
126	GOM_TRA_1PNPDE20100115_223433_000000372086_00058_41194_4715.N1	15-JAN-2010 22:34:33	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	41194	No
127	GOM_TRA_1PNPDE20100115_223853_000000392086_00058_41194_4716.N1	15-JAN-2010 22:38:53	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	41194	No
128	GOM_TRA_1PNPDE20100115_224129_000000522086_00058_41194_4717.N1	15-JAN-2010 22:41:29	Bright	52.000	130	23Bet Dra	2.7990	5800.0	104	41194	No
129	GOM_TRA_1PNPDE20100115_224746_000000542086_00058_41194_4718.N1	15-JAN-2010 22:47:46	Bright	54.000	133	40Zet Her	2.8070	6000.0	108	41194	No
130	GOM_TRA_1PNPDE20100115_225053_000000372086_00058_41194_4719.N1	15-JAN-2010 22:50:53	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	41194	No
131	GOM_TRA_1PNPDE20100115_225625_000000542086_00058_41194_4720.N1	15-JAN-2010 22:56:25	Bright	54.000	102	24Alp Ser	2.6000	4250.0	108	41194	No
132	GOM_TRA_1PNPDE20100115_225833_000000412086_00058_41194_4721.N1	15-JAN-2010 22:58:33	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	41194	No
133	GOM_TRA_1PNPDE20100115_225954_000000542086_00058_41194_4708.N1	15-JAN-2010 22:59:54	Bright	54.000	98	13Zet Oph	2.5710	30000.	108	41194	Yes
134	GOM_TRA_1PNPDE20100115_230421_000000532086_00058_41194_4709.N1	15-JAN-2010 23:04:21	Tw_i_and_stray	53.000	16	21Alp Sco	1.0200	3000.0	106	41194	No
135	GOM_TRA_1PNPDE20100115_230938_000000402086_00058_41194_4710.N1	15-JAN-2010 23:09:38	Dark	40.000	131	Gam Lup	2.8000	26000.	80	41194	No
136	GOM_TRA_1PNPDE20100115_231123_000000412086_00058_41194_4711.N1	15-JAN-2010 23:11:23	Dark	41.000	109	Bet Lup	2.6770	26000.	82	41194	No
137	GOM_TRA_1PNPDE20100115_231254_000000462086_00058_41194_4712.N1	15-JAN-2010 23:12:54	Dark	45.500	78	Alp Lup	2.3040	28000.	91	41194	No
138	GOM_TRA_1PNPDE20100115_231528_000000532086_00059_41195_4713.N1	15-JAN-2010 23:15:28	Dark	53.000	4	Alp1Cen	-0.010000	5800.0	106	41195	No
139	GOM_TRA_1PNPDE20100115_231900_000000492086_00059_41195_4714.N1	15-JAN-2010 23:19:00	Dark	48.500	20	Bet Cru	1.2530	30000.	97	41195	No
140	GOM_TRA_1PNPDE20100115_232306_000000412086_00059_41195_4715.N1	15-JAN-2010 23:23:06	Dark	41.000	124	The Car	2.7640	30000.	82	41195	No
141	GOM_TRA_1PNPDE20100115_232427_000000482086_00059_41195_4716.N1	15-JAN-2010 23:24:27	Dark	47.500	29	Bet Car	1.6720	10200.	95	41195	No
142	GOM_TRA_1PNPDE20100115_232623_000000412086_00059_41195_4717.N1	15-JAN-2010 23:26:23	Dark	41.000	71	lot Car	2.2460	7700.0	82	41195	No
143	GOM_TRA_1PNPDE20100115_232815_000000472086_00059_41195_4718.N1	15-JAN-2010 23:28:15	Dark	47.000	46	Del Vel	1.9540	10600.	94	41195	No
144	GOM_TRA_1PNPDE20100115_233057_000000422086_00059_41195_4719.N1	15-JAN-2010 23:30:57	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	41195	No
145	GOM_TRA_1PNPDE20100115_233306_000000442086_00059_41195_4720.N1	15-JAN-2010 23:33:06	Dark	43.500	70	Zet Pup	2.2460	39000.	87	41195	No
146	GOM_TRA_1PNPDE20100115_233445_000000442086_00059_41195_4721.N1	15-JAN-2010 23:34:45	Straylight	43.500	117	Pi Pup	2.7060	3800.0	87	41195	No
147	GOM_TRA_1PNPDE20100115_233718_000000432086_00059_41195_4722.N1	15-JAN-2010 23:37:18	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	41195	No
148	GOM_TRA_1PNPDE20100115_233843_000000412086_00059_41195_4723.N1	15-JAN-2010 23:38:43	Straylight	41.000	179	24Omi2CMa	3.0320	24000.	82	41195	No
149	GOM_TRA_1PNPDE20100115_234057_000000452086_00059_41195_4724.N1	15-JAN-2010 23:40:57	Straylight	45.000	1	9Alp CMa	-1.4400	11000.	90	41195	No
150	GOM_TRA_1PNPDE20100115_234807_000000522086_00059_41195_4725.N1	15-JAN-2010 23:48:07	Tw_i_and_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	41195	No
151	GOM_TRA_1PNPDE20100115_235036_000000512086_00059_41195_4726.N1	15-JAN-2010 23:50:36	Bright	51.000	44	24Gam Gem	1.9280	11000.	102	41195	No
152	GOM_TRA_1PNPDE20100115_235204_000000372086_00059_41195_4727.N1	15-JAN-2010 23:52:04	Bright	36.500	176	23Zet Tau	3.0200	22000.	73	41195	No
153	GOM_TRA_1PNPDE20100115_235628_000000362086_00059_41195_4728.N1	15-JAN-2010 23:56:28	Bright	36.000	107	37The Aur	2.6490	11000.	72	41195	No
154	GOM_TRA_1PNPDE20100115_235839_000000372086_00059_41195_4729.N1	15-JAN-2010 23:58:39	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41195	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).

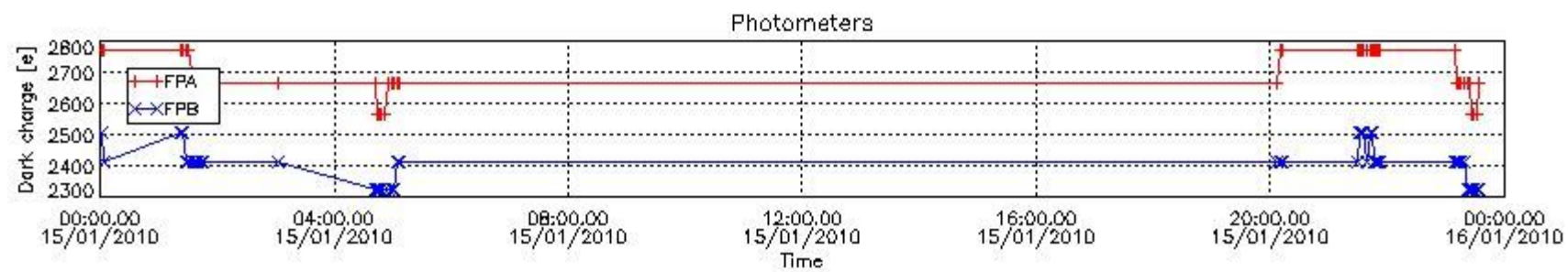
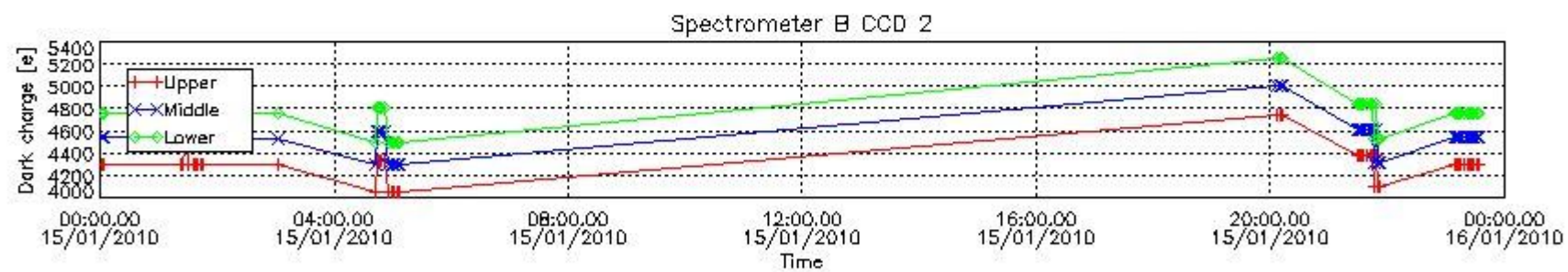
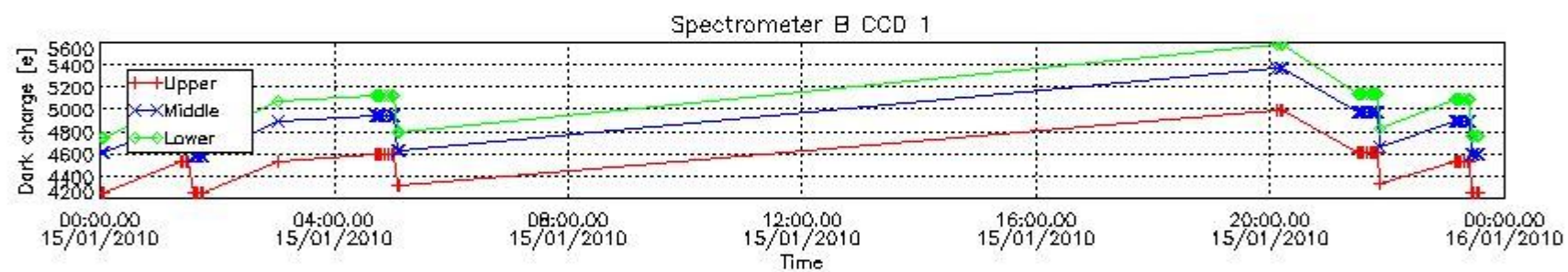
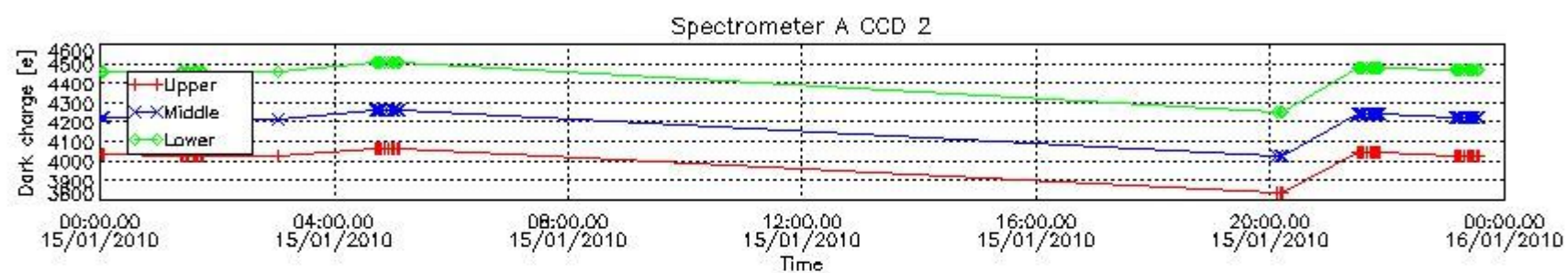
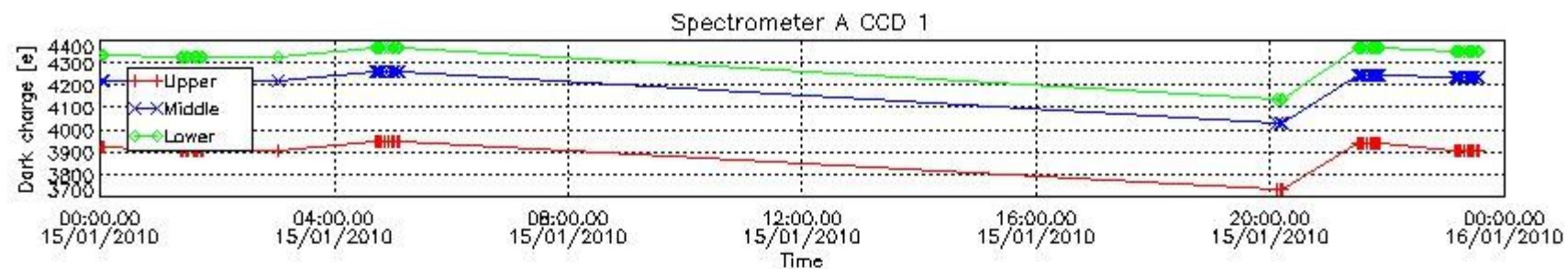
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100115_200702_000000462086_00057_41193_4673.N1	DC map used
GOM_TRA_1PNPDE20100115_200945_000000422086_00057_41193_4674.N1	DC map used
GOM_TRA_1PNPDE20100115_201153_000000442086_00057_41193_4675.N1	DC map used
GOM_TRA_1PNPDE20100115_201333_000000452086_00057_41193_4676.N1	DC map used
GOM_TRA_1PNPDE20100115_201606_000000432086_00057_41193_4677.N1	DC map used
GOM_TRA_1PNPDE20100115_201731_000000412086_00057_41193_4678.N1	DC map used
GOM_TRA_1PNPDE20100115_201945_000000362086_00057_41193_4679.N1	DC map used
GOM_TRA_1PNPDE20100115_202655_000000522086_00057_41193_4680.N1	DC map used
GOM_TRA_1PNPDE20100115_202924_000000532086_00057_41193_4681.N1	DC map used
GOM_TRA_1PNPDE20100115_203052_000000372086_00057_41193_4682.N1	DC map used
GOM_TRA_1PNPDE20100115_203516_000000352086_00057_41193_4683.N1	DC map used
GOM_TRA_1PNPDE20100115_203727_000000372086_00057_41193_4684.N1	DC map used

GOM_TRA_1PNPDE20100115_205001_000000372086_00057_41193_4685.N1	DC map used
GOM_TRA_1PNPDE20100115_205358_000000402086_00057_41193_4686.N1	DC map used
GOM_TRA_1PNPDE20100115_205817_000000392086_00057_41193_4687.N1	DC map used
GOM_TRA_1PNPDE20100115_210053_000000332086_00057_41193_4688.N1	DC map used
GOM_TRA_1PNPDE20100115_210710_000000542086_00057_41193_4689.N1	DC map used
GOM_TRA_1PNPDE20100115_211017_000000422086_00057_41193_4690.N1	DC map used
GOM_TRA_1PNPDE20100115_211549_000000442086_00057_41193_4691.N1	DC map used

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



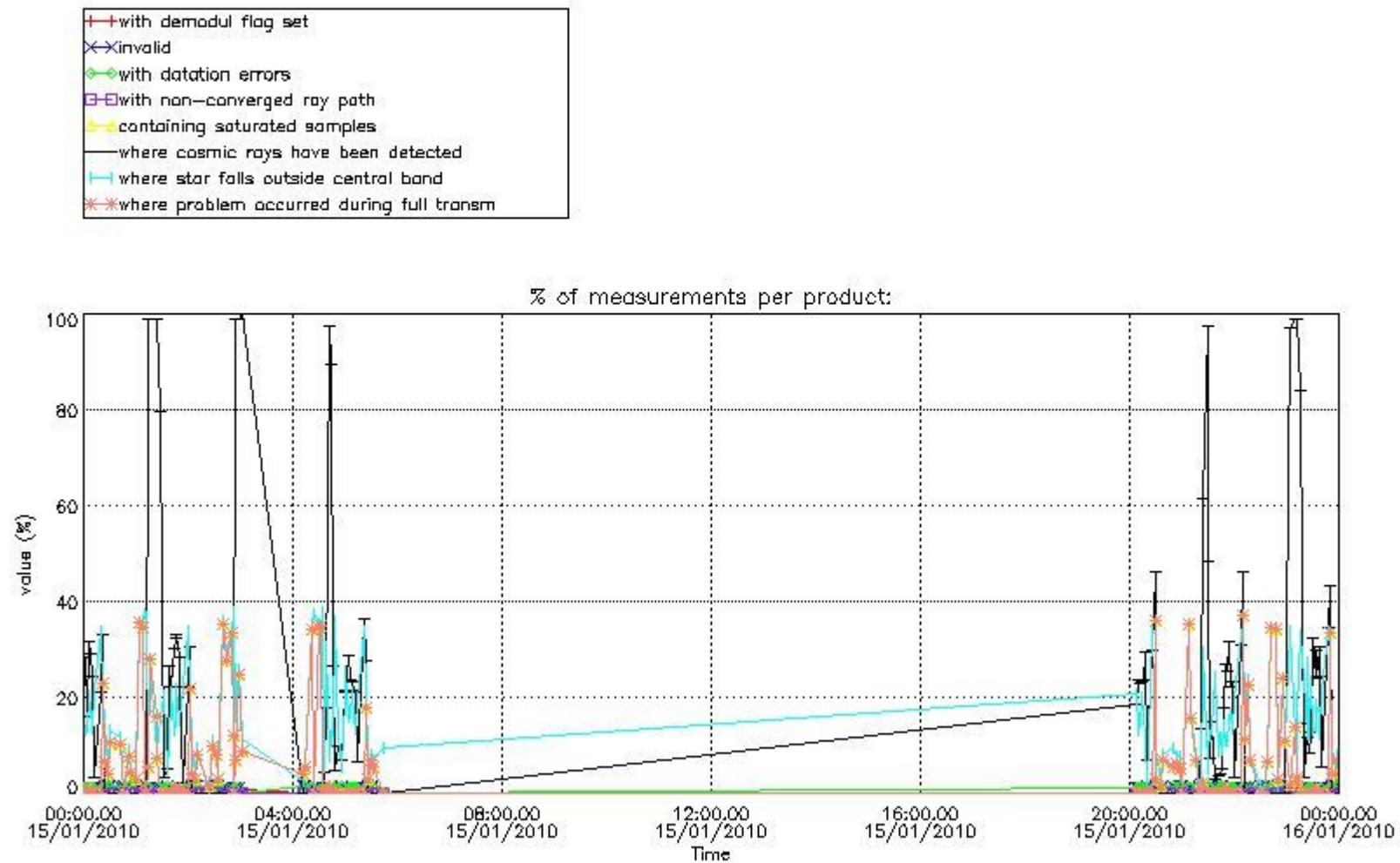
5. Demodulation flag and quality information monitoring

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.

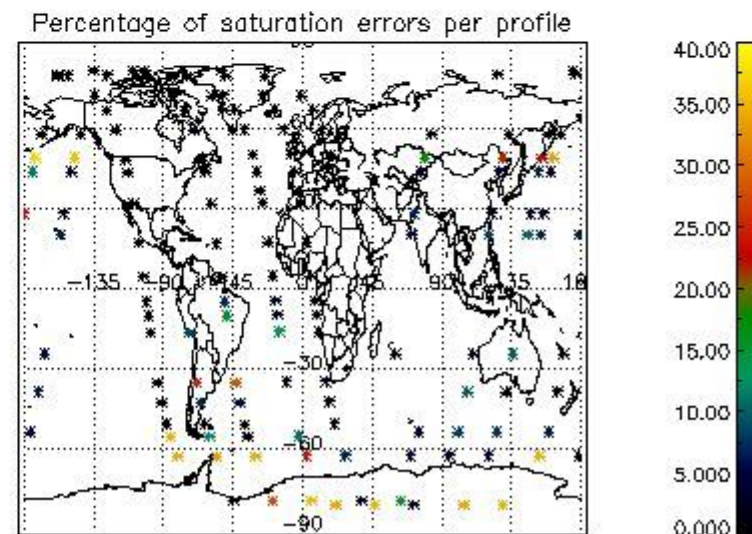
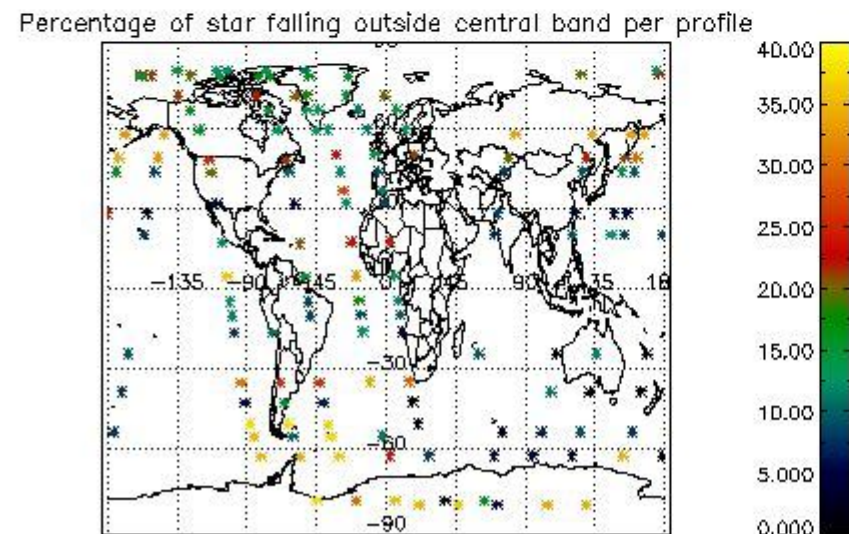
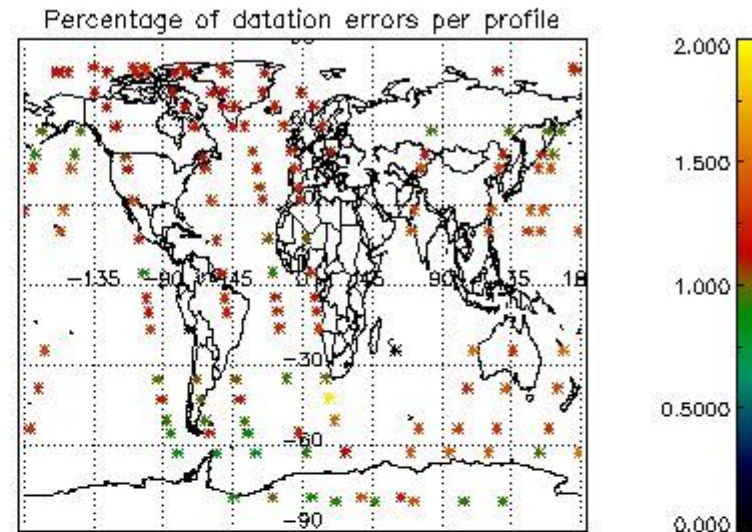
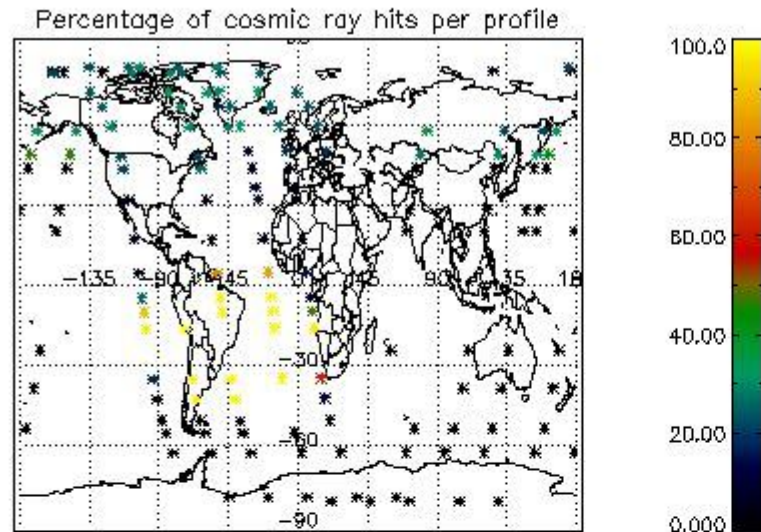
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	42.7632 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



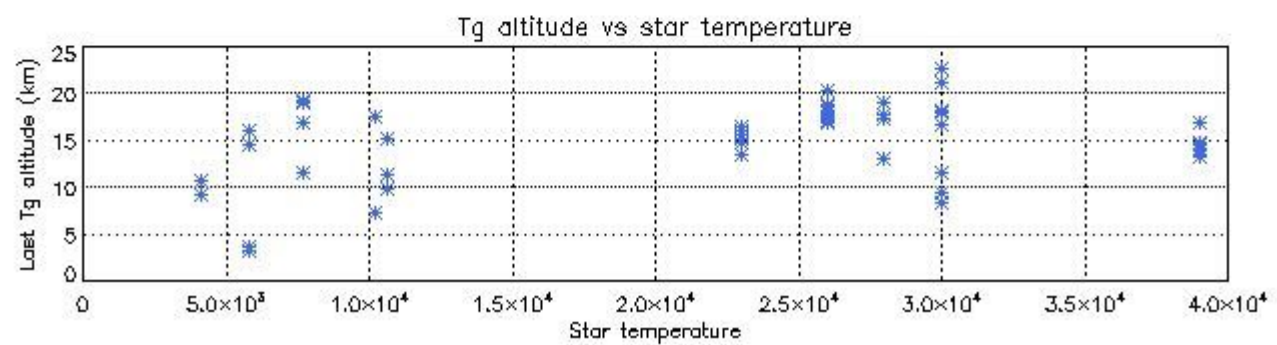
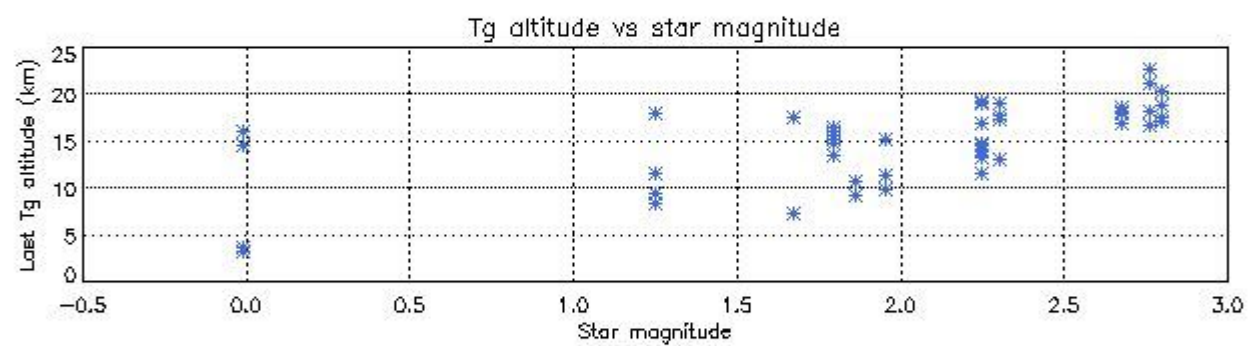
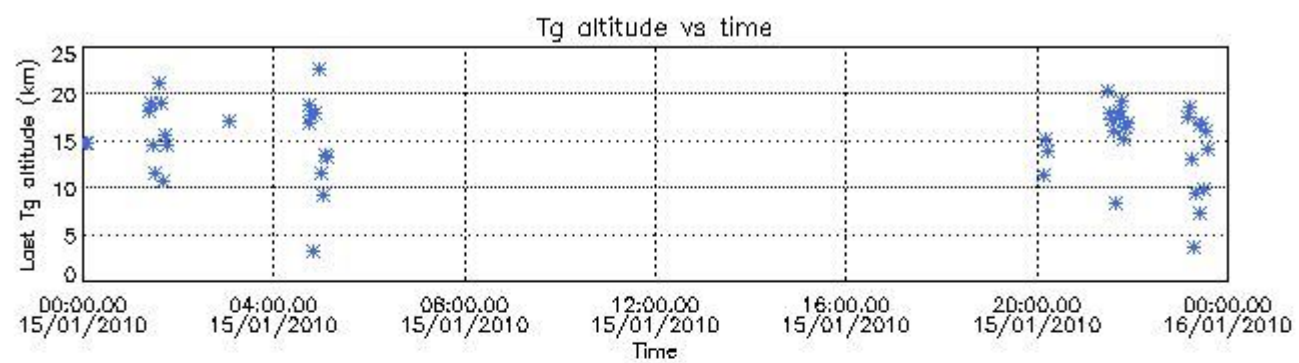
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.936	14.730	NaN
St. deviation:	4.2324	7.4709	NaN
Maximum:	22.553	26.701	NaN
Minimum:	3.1022	3.5937	NaN
Number of data:	47.000	66.000	NaN

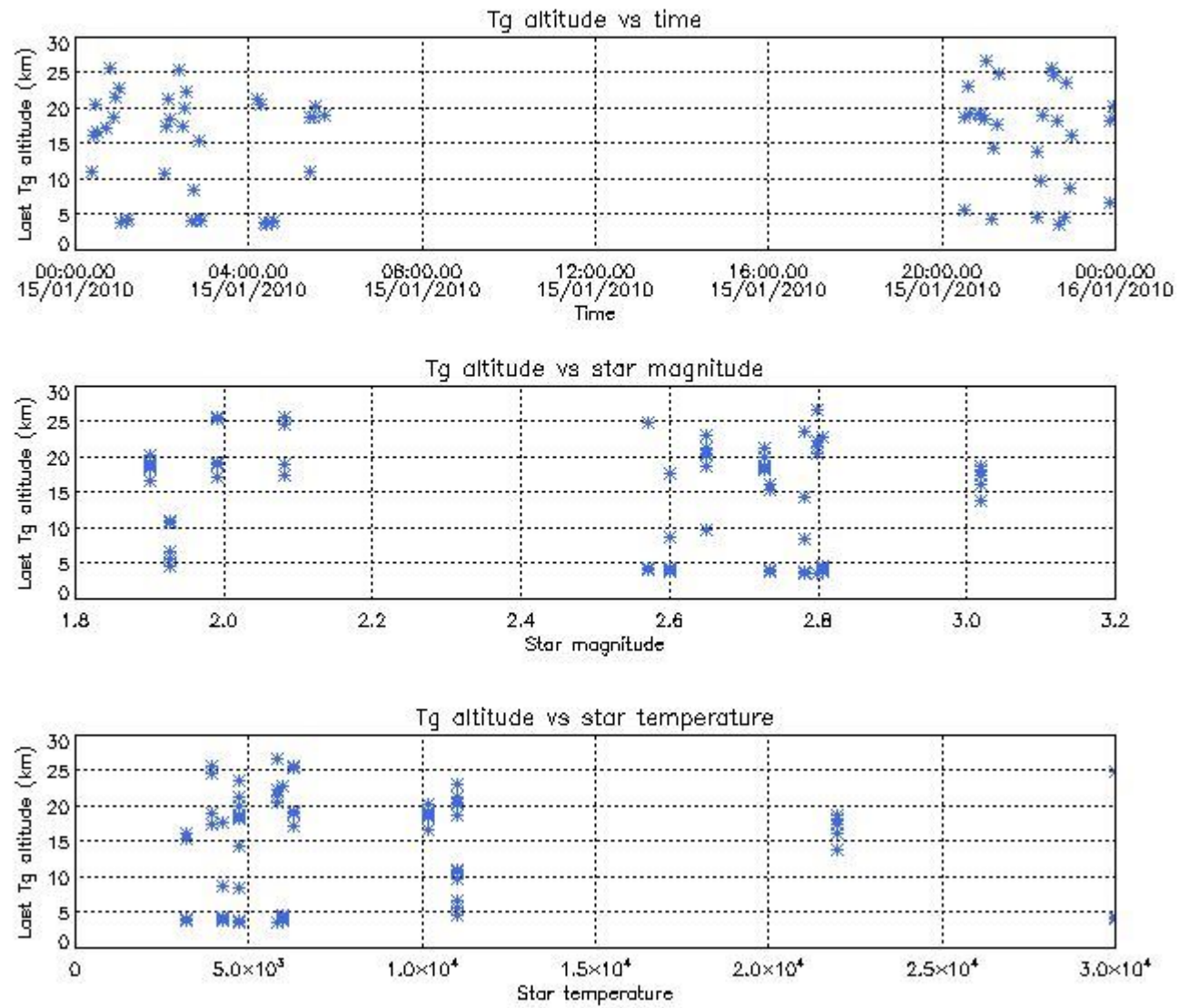
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

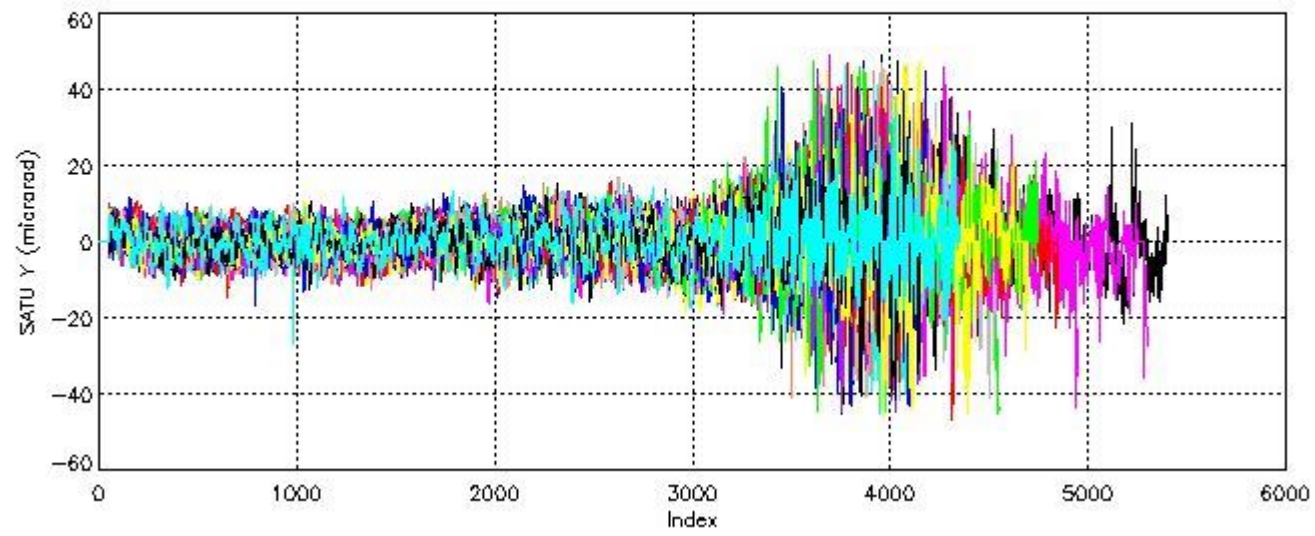
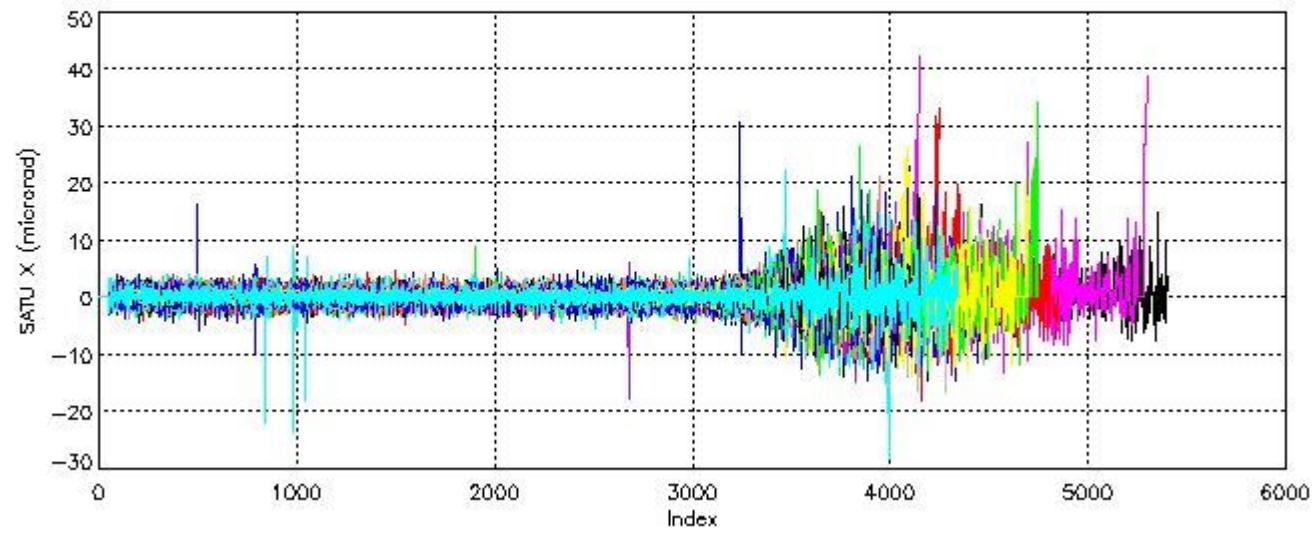


7. Star Acquisition and Tracking Unit (SATU)

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:	0.13316	0.14444	0.072341	-0.083089
St. deviation:	0.72179	3.0270	0.76603	2.9791
Maximum:	16.200	11.400	5.0000	14.200
Minimum:	-22.000	-17.100	-4.9000	-12.800

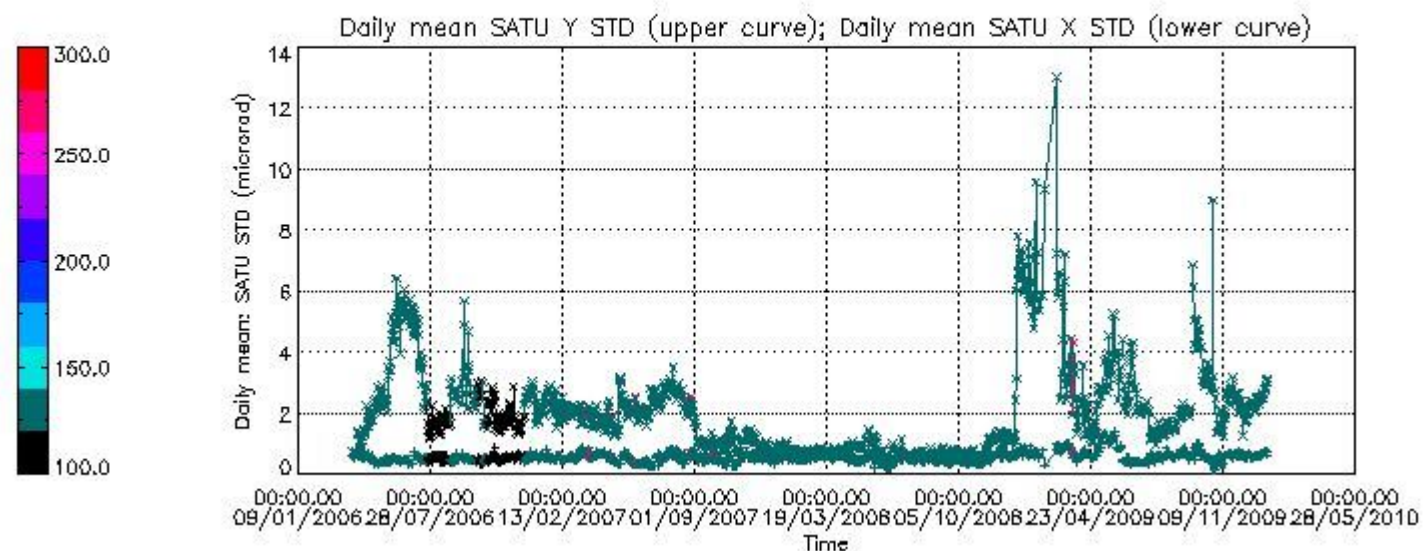
Number of data:	42900.	42900.	56900.	56900.
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

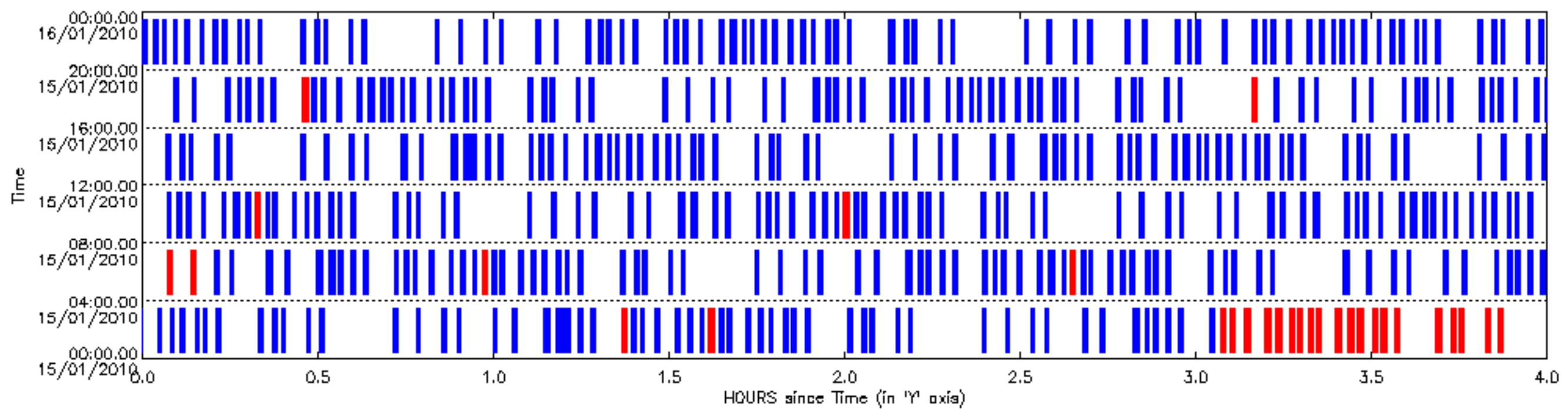
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

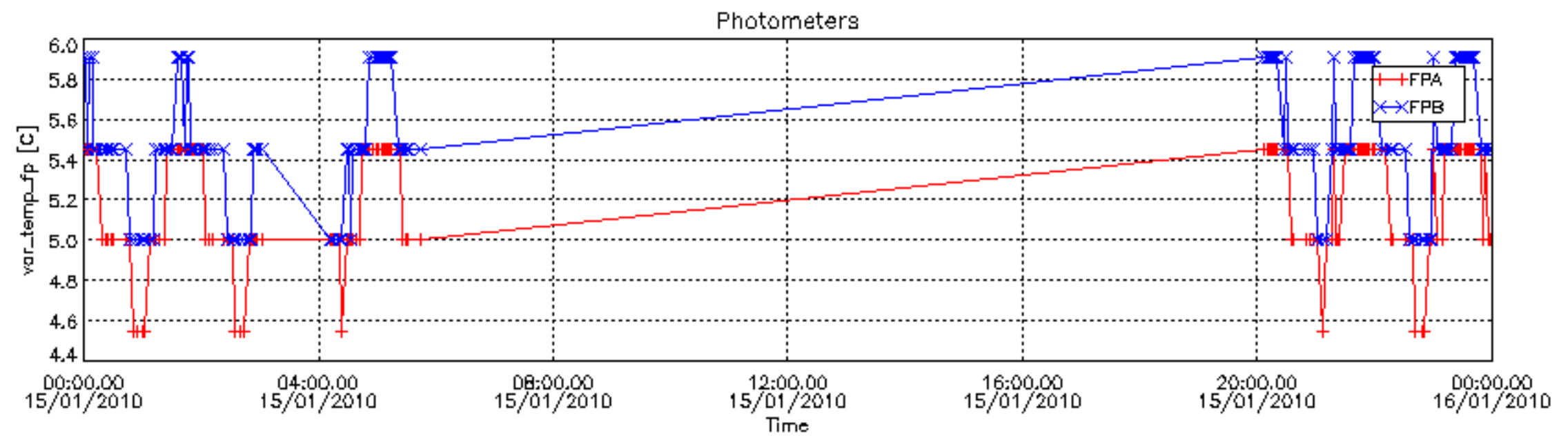
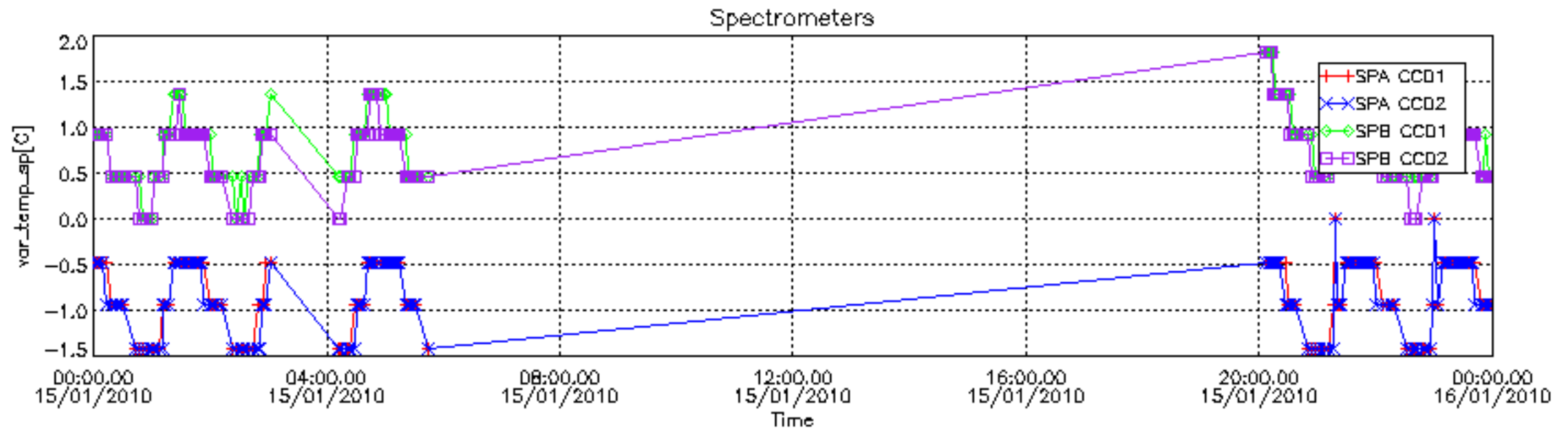


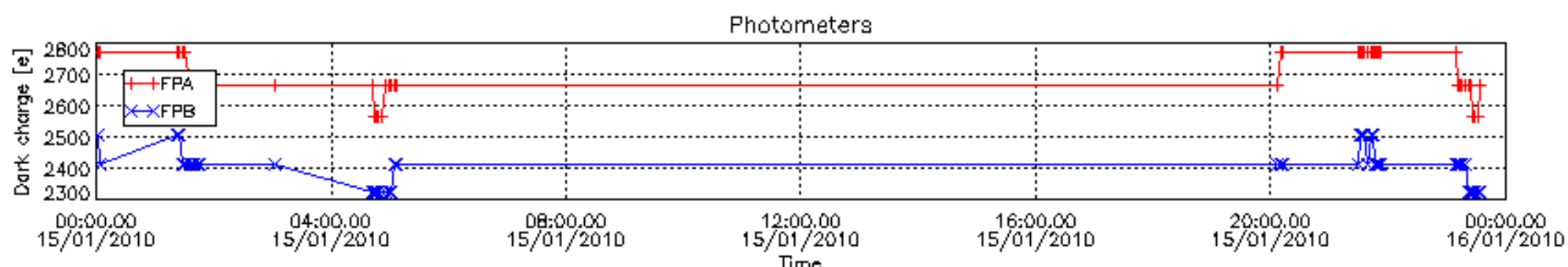
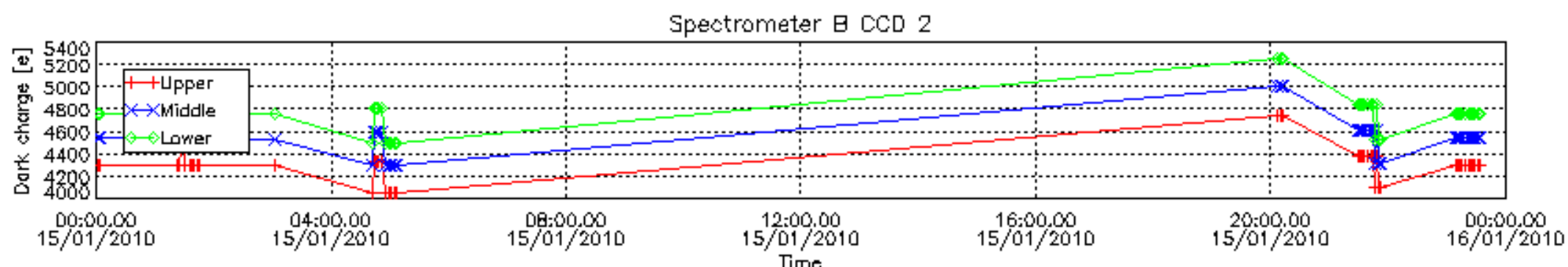
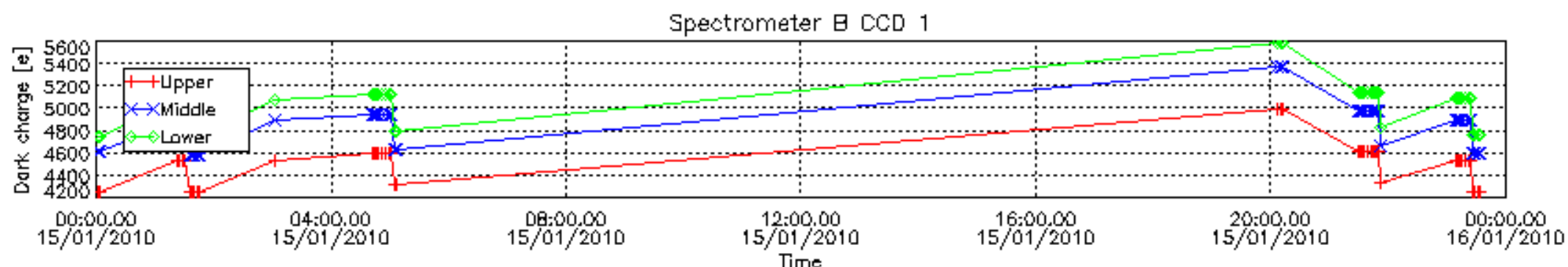
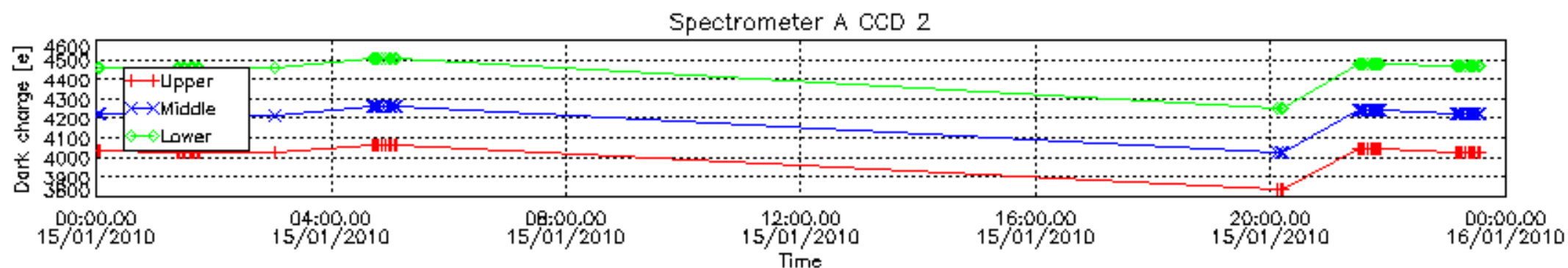
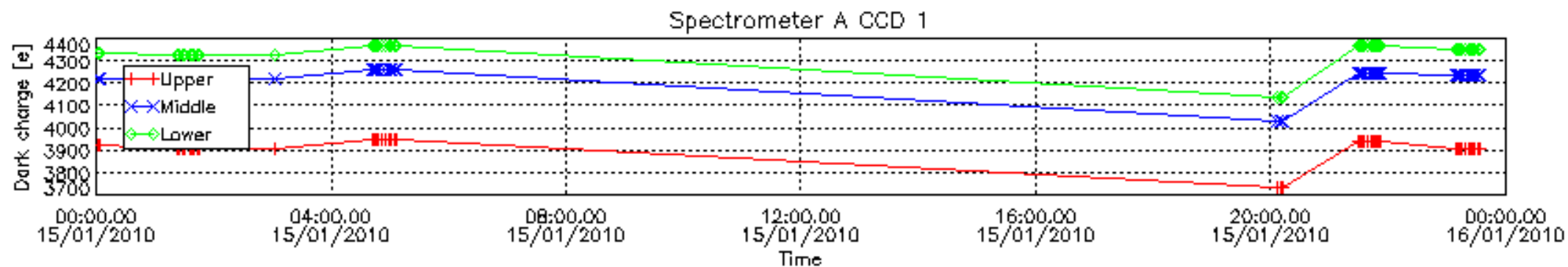
8. Auxiliary Data Files used for the production reported in section 2.4

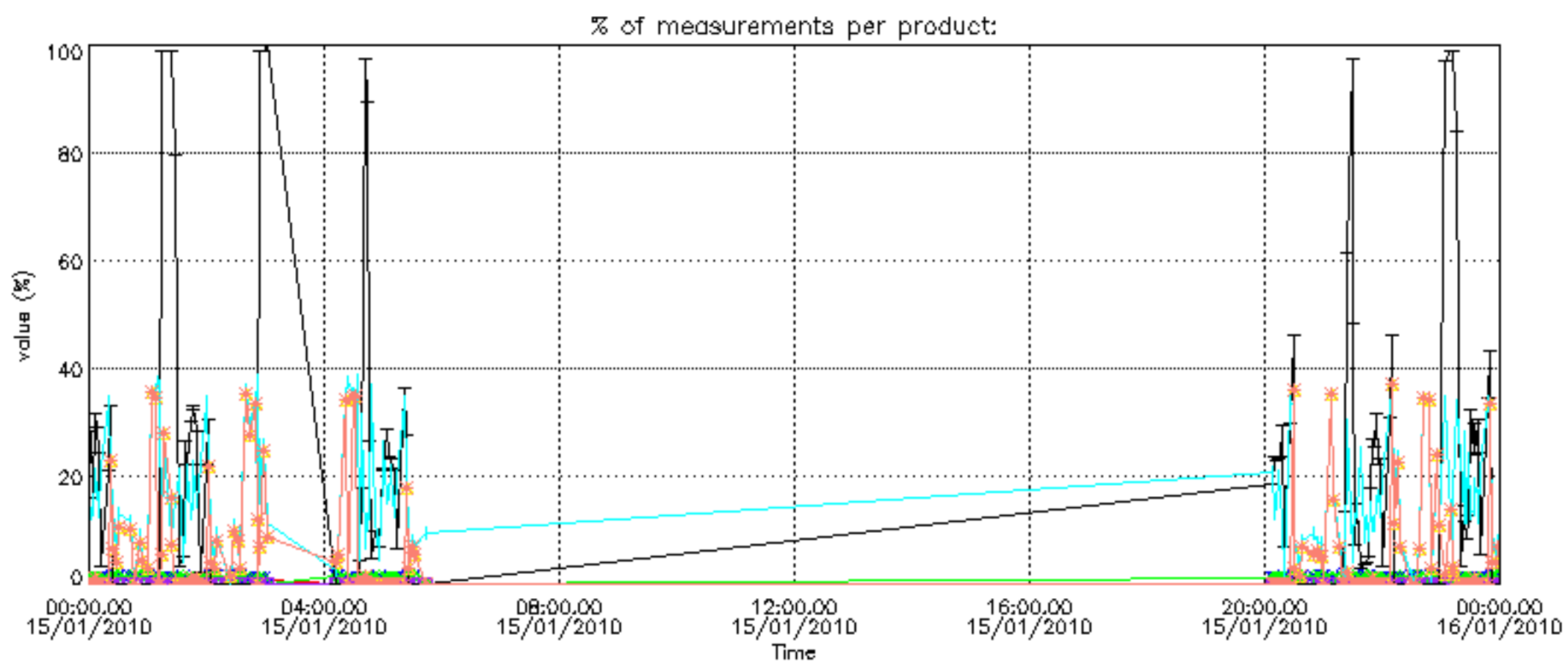
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	15-JAN-2010 00:02:29
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100112_145459_20100110_000000_20500101_000000	1	15-JAN-2010 00:02:29
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	15-JAN-2010 00:02:29
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	15-JAN-2010 00:02:29
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	15-JAN-2010 00:02:29
ECMWF_FILE	AUX_ECF_AXNECM20100114_062111_20100114_210000_20100115_090000	1	15-JAN-2010 00:02:29
ECMWF_FILE	AUX_ECF_AXNECM20100114_180111_20100115_030000_20100115_150000	53	15-JAN-2010 04:12:19
ECMWF_FILE	AUX_ECF_AXNECM20100115_062623_20100115_150000_20100116_030000	82	15-JAN-2010 20:07:02
ECMWF_FILE	AUX_ECF_AXNECM20100115_062623_20100115_210000_20100116_090000	101	15-JAN-2010 21:17:56
OPTIONAL_ECMWF_FILE	MISSING	1	15-JAN-2010 00:02:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100114_233322_000054192086_00044_41180_9570.N1	1	15-JAN-2010 00:02:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100115_010900_000063762086_00045_41181_9571.N1	21	15-JAN-2010 01:14:19
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100115_040939_000054192086_00047_41183_9572.N1	53	15-JAN-2010 04:12:19
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100115_200601_000038252086_00057_41193_9573.N1	82	15-JAN-2010 20:07:02
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100115_211505_000057382086_00057_41193_9574.N1	101	15-JAN-2010 21:17:56
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100115_225602_000060572086_00058_41194_9575.N1	133	15-JAN-2010 22:59:54

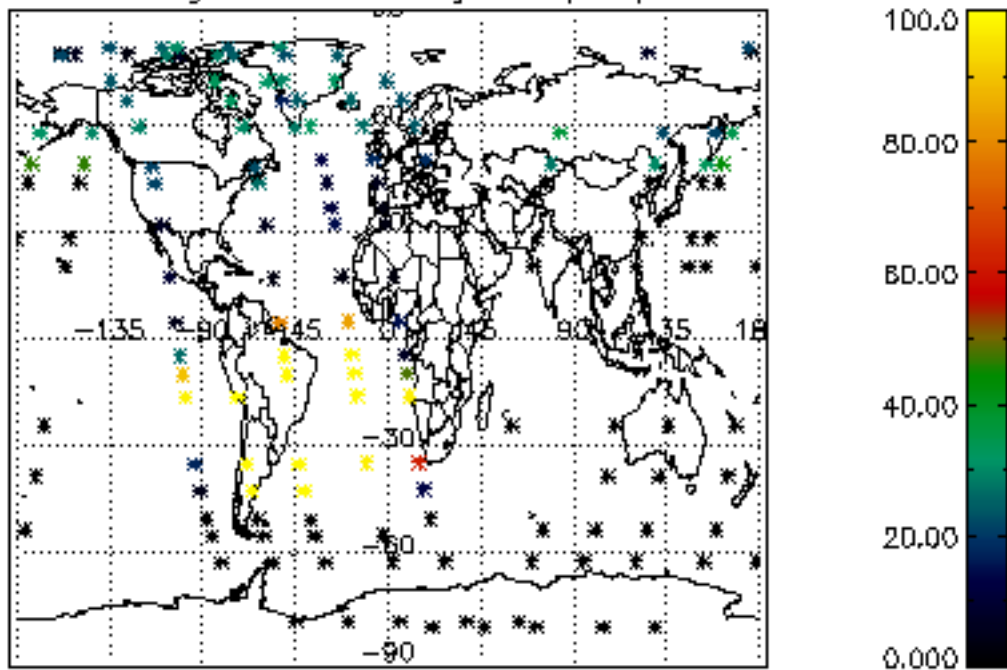




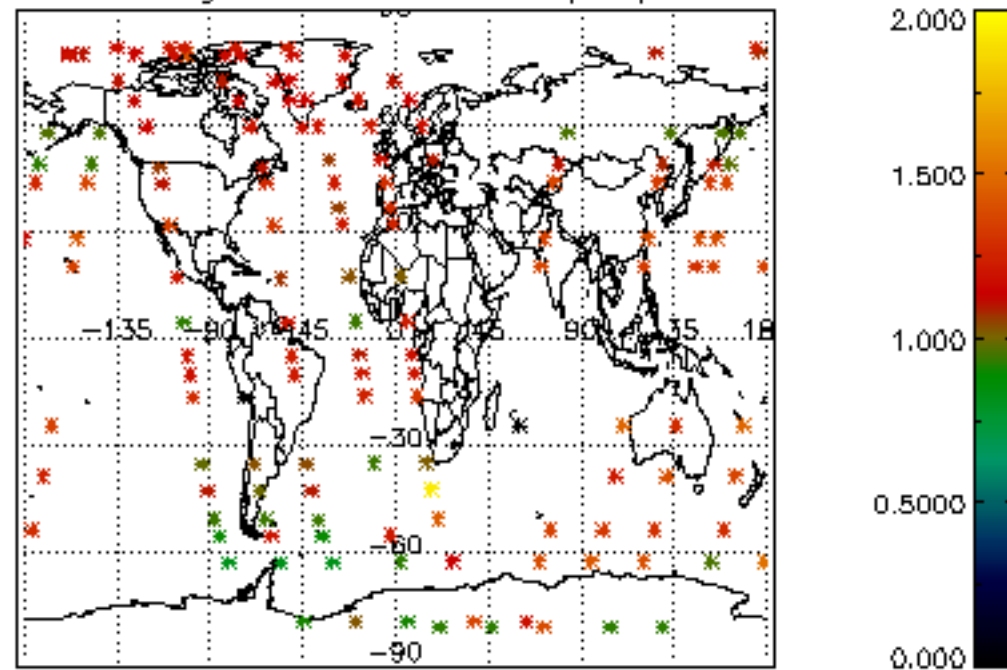




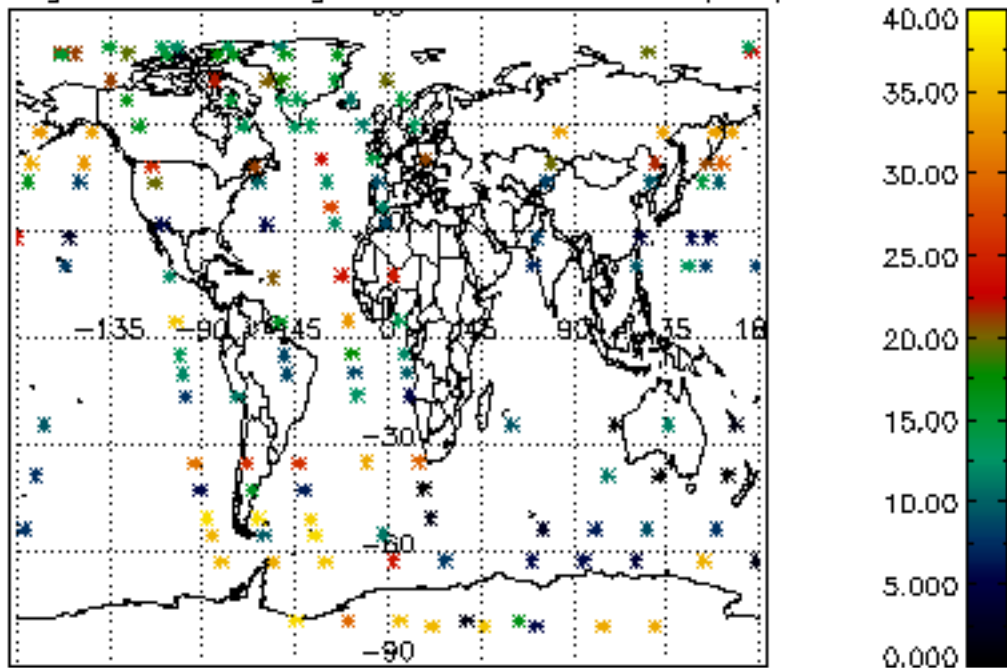
Percentage of cosmic ray hits per profile



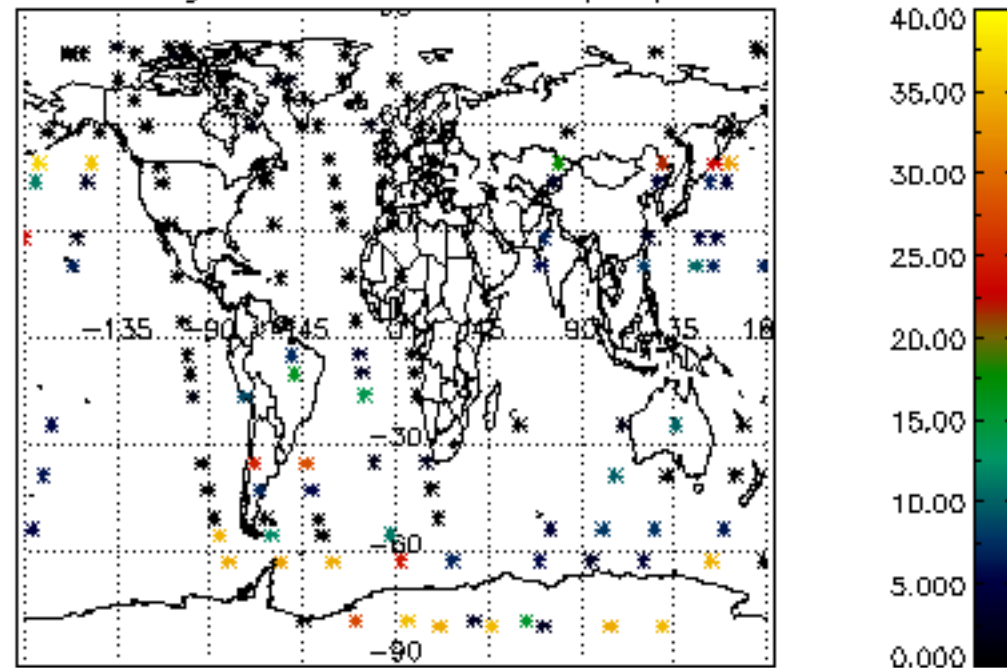
Percentage of datation errors per profile



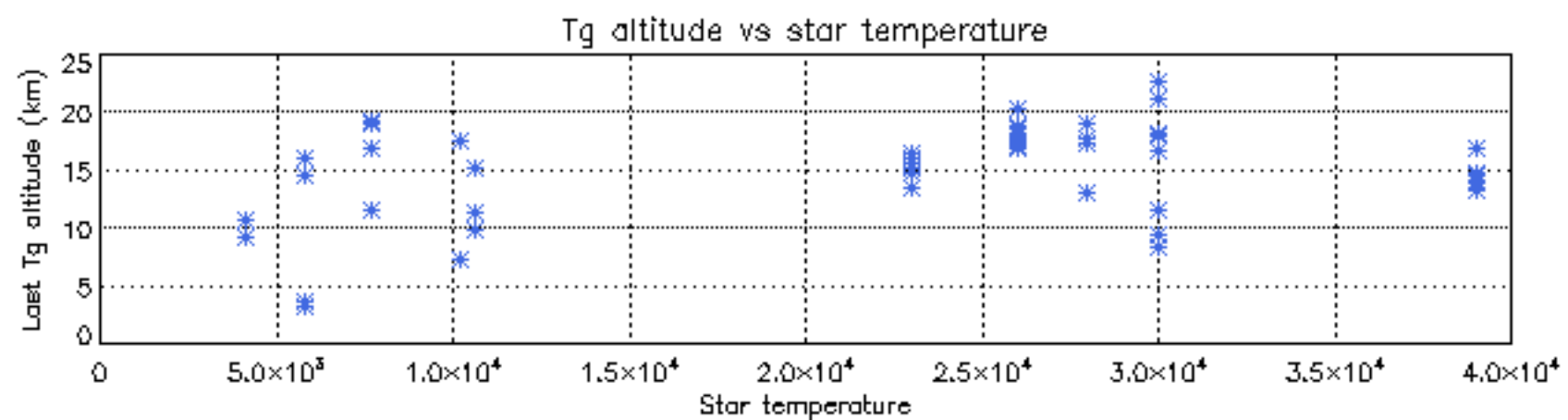
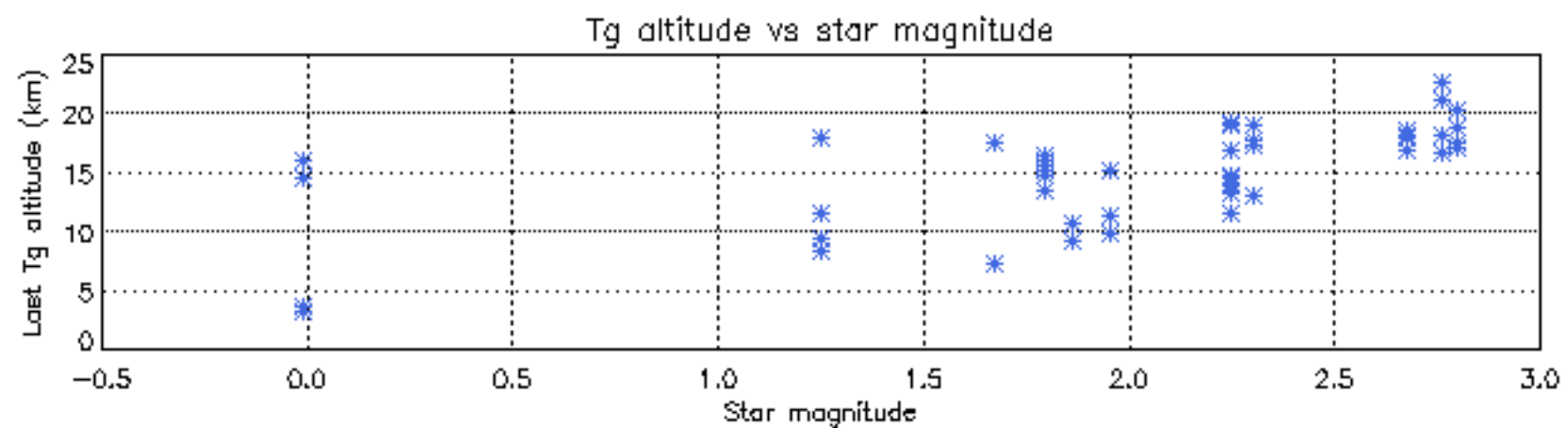
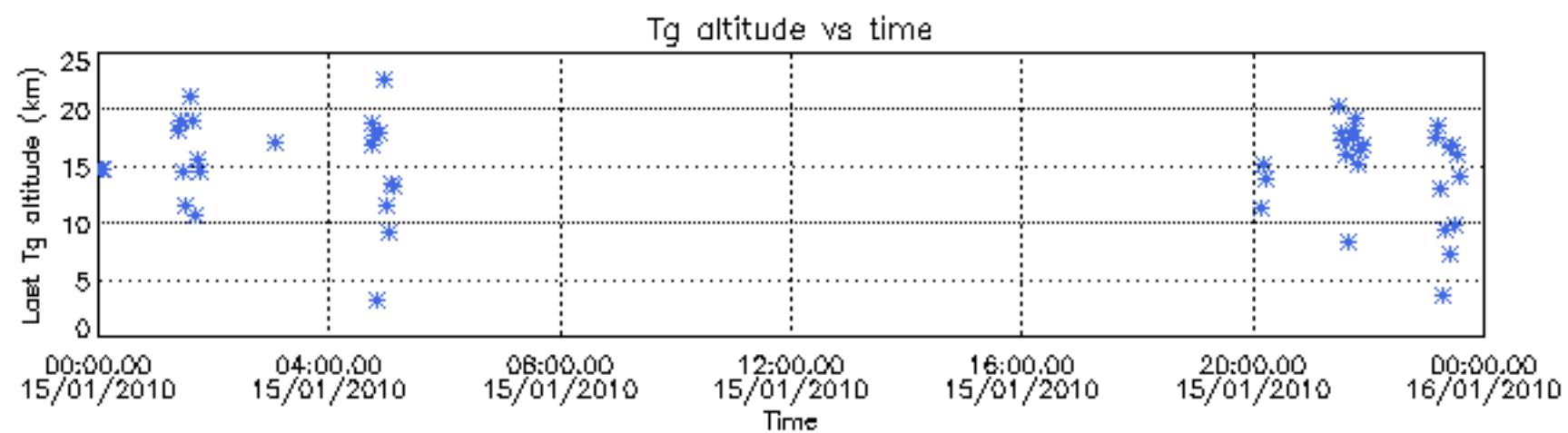
Percentage of star falling outside central band per profile



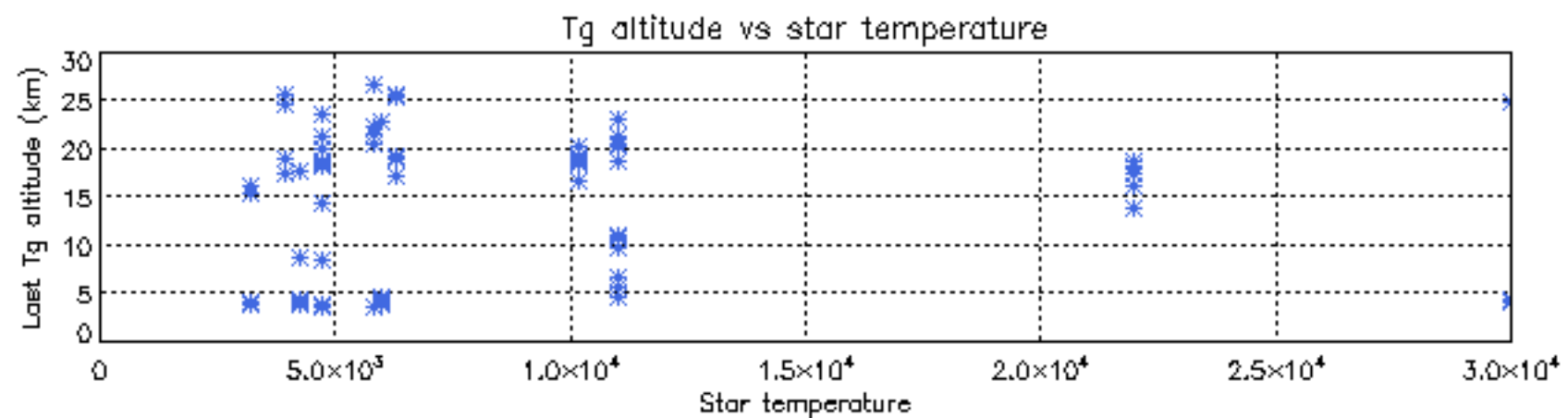
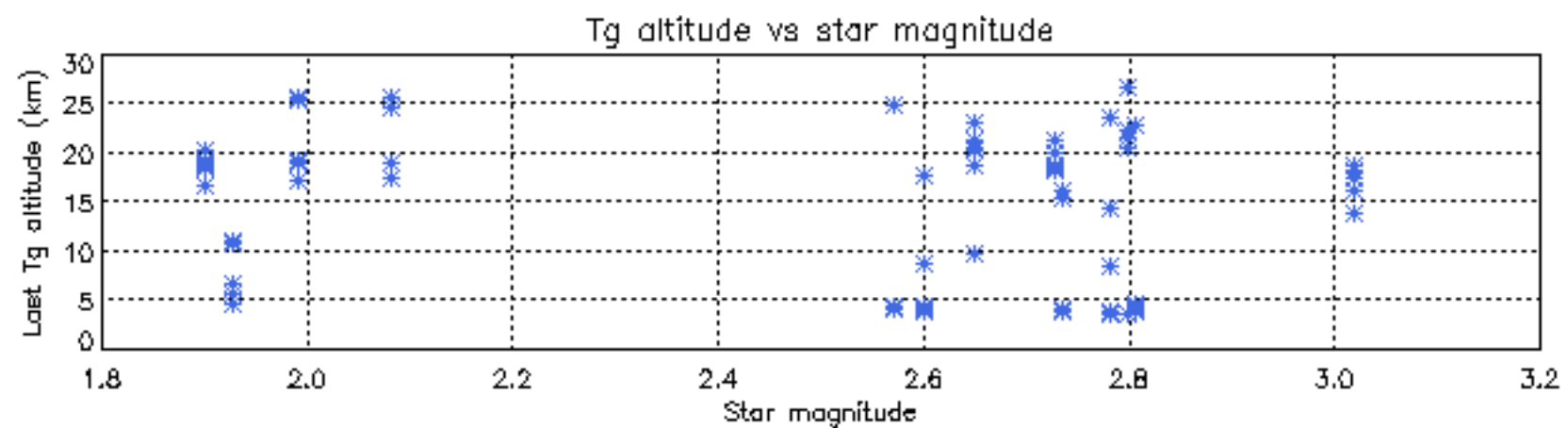
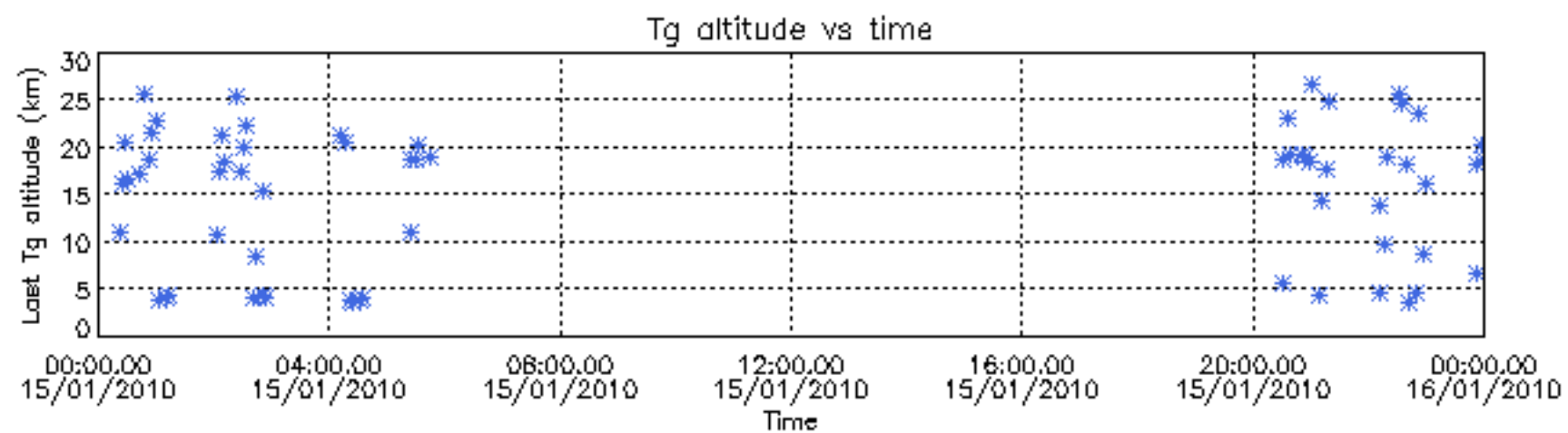
Percentage of saturation errors per profile

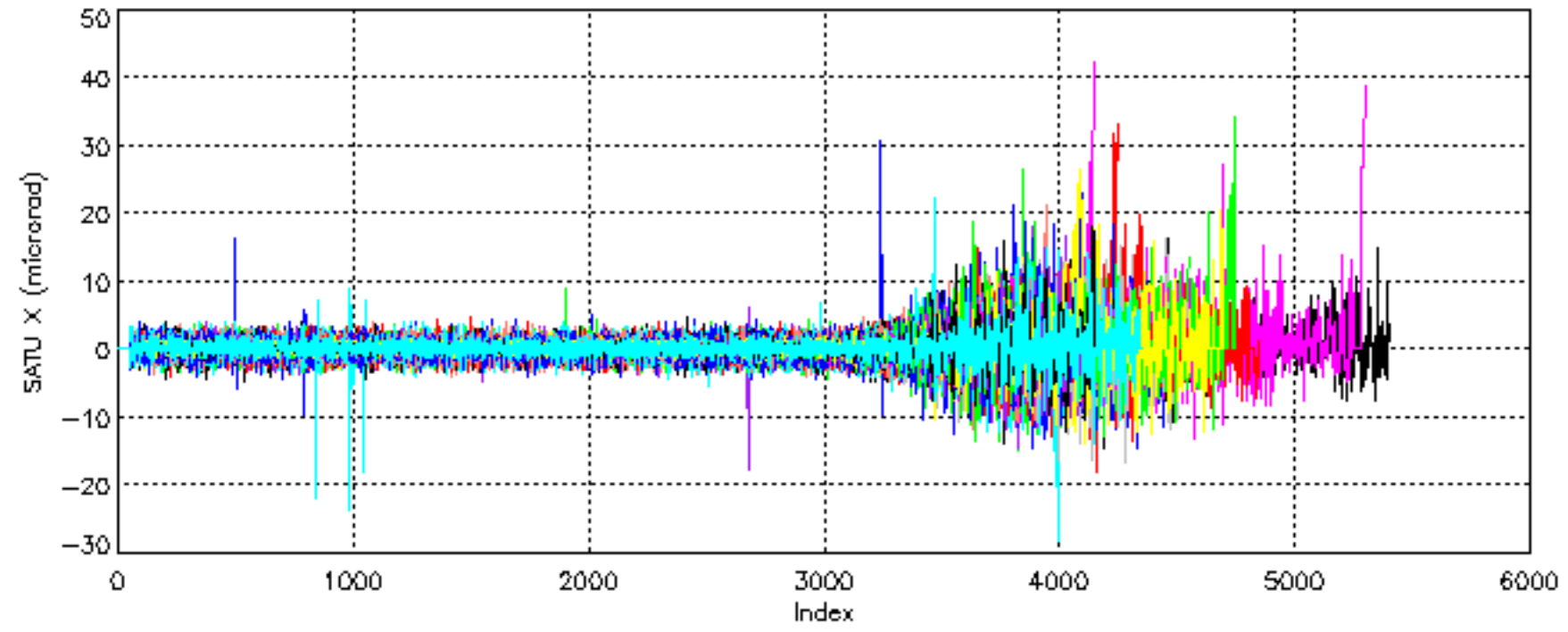


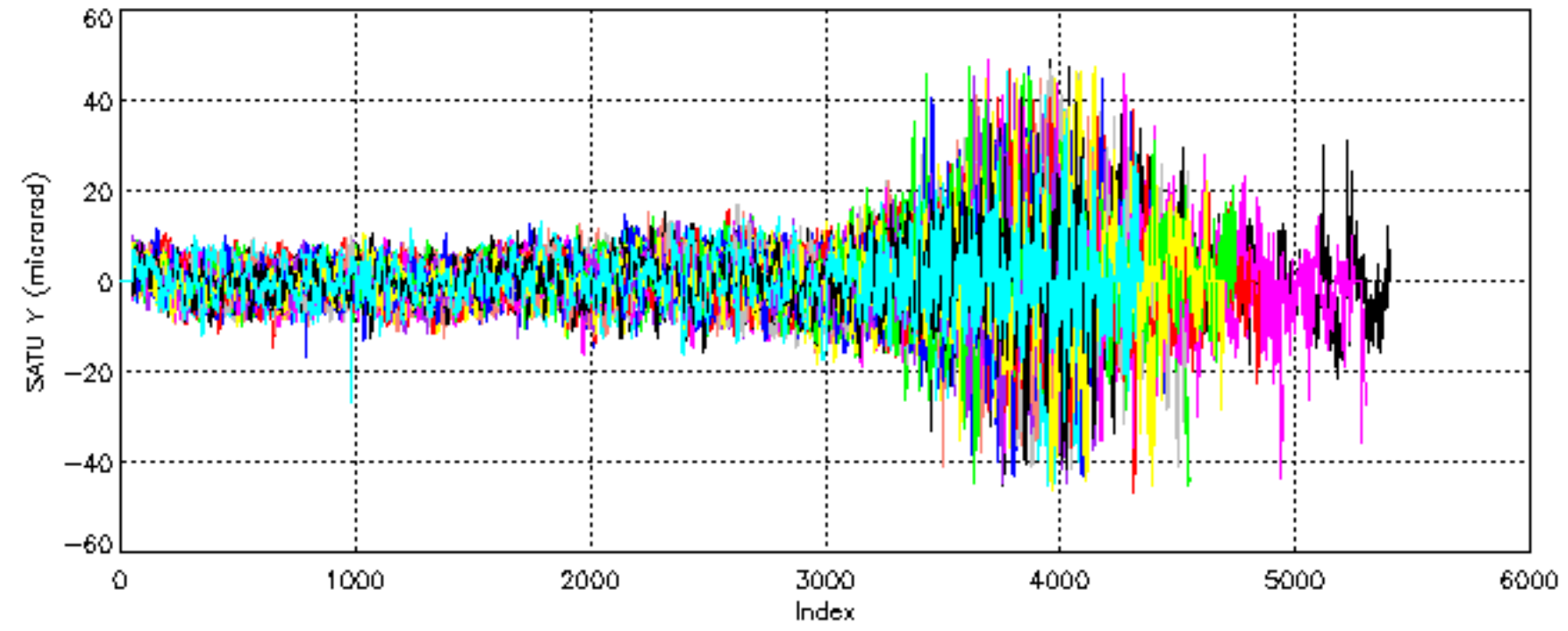
Tangent altitude at which the star is lost

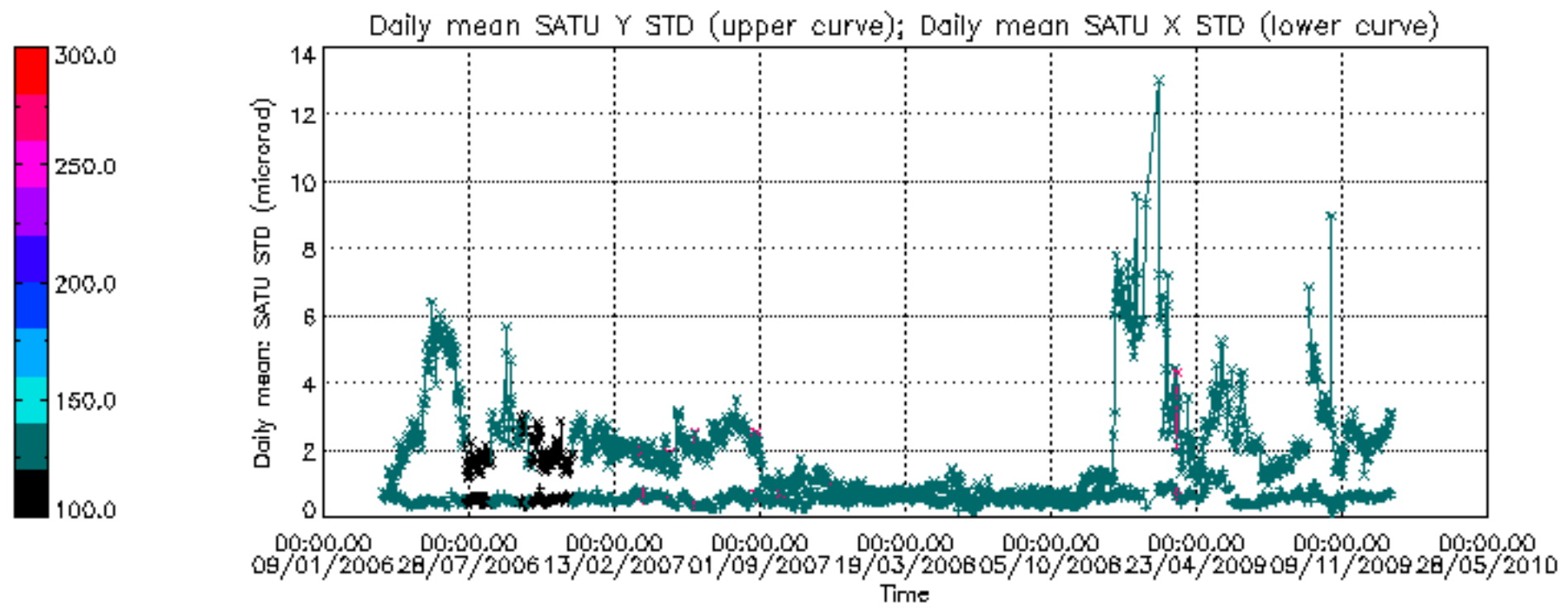


Tangent altitude at which the star is lost









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 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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 3; -268.9; 01-JAN-2010 02:02:06; Dark ; 54.0; 54; 5The Cen ; 2.06; 4500;occ; 108; 0;40981
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 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
 22; 2566.5; 01-JAN-2010 02:49:21; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;40982
 23; 2692.2; 01-JAN-2010 02:51:27; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;40982
 24; 3690.9; 01-JAN-2010 03:08:05; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;40982

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 2; -1927.2; 01-JAN-2010 03:15:03; Bright; 66.0; 39; 85Eta UMa ; 1.85; 24000;occ; 132; 0;40982
 3; -1682.7; 01-JAN-2010 03:19:08; Bright; 62.0; 180; 27Gam Boo ; 3.04; 8000;occ; 124; 0;40982
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 6; -1145.0; 01-JAN-2010 03:28:05; Bright; 35.0; 102; 24Alp Ser ; 2.60; 4250;occ; 70; 0;40982
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 10; -102.3; 01-JAN-2010 03:45:28; Dark ; 38.5; 95; Zet Cen ; 2.55; 26000;occ; 77; 0;40982
 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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13; 211.7; 01-JAN-2010 03:50:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40983
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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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25; 2032.8; 01-JAN-2010 04:21:03; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;40983
26; 2228.6; 01-JAN-2010 04:24:19; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;40983
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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18; 2220.9; 02-JAN-2010 22:19:10; Dark ; 49.5; 44; 24Gam Gem ; 1.93; 11000;occ; 99; 0;41008
19; 2319.5; 02-JAN-2010 22:20:48; Bright; 48.0; 151; 13Mu Gem ; 2.89; 3000;occ; 96; 0;41008
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22; 3688.3; 02-JAN-2010 22:43:37; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;41008
23; 3900.4; 02-JAN-2010 22:47:09; Bright; 58.0; 32; 77Eps UMa ; 1.76; 11000;occ; 116; 0;41008
24; 4103.2; 02-JAN-2010 22:50:32; Bright; 67.0; 39; 85Eta UMa ; 1.85; 24000;occ; 134; 0;41008
25; 4353.6; 02-JAN-2010 22:54:42; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;41008
26; 4580.0; 02-JAN-2010 22:58:29; Bright; 63.0; 83; ; 2.38; 11000;occ; 126; 0;41008
27; 4783.1; 02-JAN-2010 23:01:52; Bright; 57.0; 3; 16Alp Boo ; -0.05; 4250;occ; 114; 0;41008
28; 4898.9; 02-JAN-2010 23:03:48; Bright; 54.0; 102; 24Alp Ser ; 2.60; 4250;occ; 108; 0;41008
29; 5207.4; 02-JAN-2010 23:08:56; Bright; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 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
10;	1061.6;	02-JAN-2010	23:40:26;	Dark	;	44.5;	70;	Zet Pup	;	2.25;	39000;occ;	89;	0;41009
11;	1182.5;	02-JAN-2010	23:42:27;	Dark	;	46.0;	117;	Pi Pup	;	2.71;	3800;occ;	92;	0;41009
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13;	1439.7;	02-JAN-2010	23:46:44;	Dark	;	44.5;	179;	240mi2CMA	;	3.03;	24000;occ;	89;	0;41009
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15;	2031.6;	02-JAN-2010	23:56:36;	Dark	;	47.5;	14;	58Alp Ori	;	0.87;	3000;occ;	95;	0;41009
16;	2220.3;	02-JAN-2010	23:59:45;	Dark	;	51.0;	44;	24Gam Gem	;	1.93;	11000;occ;	102;	0;41009
17;	2319.2;	03-JAN-2010	00:01:24;	Bright;	;	47.5;	151;	13Mu Gem	;	2.89;	3000;occ;	95;	0;41009
18;	2560.4;	03-JAN-2010	00:05:25;	Bright;	;	38.5;	107;	37The Aur	;	2.65;	11000;occ;	77;	0;41009
19;	2690.6;	03-JAN-2010	00:07:35;	Bright;	;	40.0;	6;	13Alp Aur	;	0.08;	3400;occ;	80;	0;41009
20;	3688.1;	03-JAN-2010	00:24:13;	Bright;	;	34.5;	60;	7Bet UMi	;	2.08;	3950;occ;	69;	0;41009
21;	3899.8;	03-JAN-2010	00:27:45;	Bright;	;	49.0;	32;	77Eps UMA	;	1.76;	11000;occ;	98;	0;41009
22;	4103.0;	03-JAN-2010	00:31:08;	Bright;	;	45.5;	39;	85Eta UMA	;	1.85;	24000;occ;	91;	0;41009
23;	4353.7;	03-JAN-2010	00:35:18;	Bright;	;	63.0;	180;	27Gam Boo	;	3.04;	8000;occ;	126;	0;41009
24;	4580.5;	03-JAN-2010	00:39:05;	Bright;	;	63.0;	83;		;	2.38;	11000;occ;	126;	0;41009
25;	4783.4;	03-JAN-2010	00:42:28;	Bright;	;	56.5;	3;	16Alp Boo	;	-0.05;	4250;occ;	113;	0;41009
26;	4899.3;	03-JAN-2010	00:44:24;	Bright;	;	54.0;	102;	24Alp Ser	;	2.60;	4250;occ;	108;	0;41009
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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2;	-2131.5;	02-JAN-2010	06:01:14;	Bright;	;	44.0;	32;	77Eps UMA	;	1.76;	11000;occ;	88;	0;40998
3;	-1930.8;	02-JAN-2010	06:04:35;	Bright;	;	67.0;	39;	85Eta UMA	;	1.85;	24000;occ;	134;	0;40998
4;	-1682.5;	02-JAN-2010	06:08:43;	Bright;	;	63.0;	180;	27Gam Boo	;	3.04;	8000;occ;	126;	0;40998
5;	-1457.8;	02-JAN-2010	06:12:28;	Bright;	;	43.0;	83;		;	2.38;	11000;occ;	86;	0;40998
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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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10;	-256.0;	02-JAN-2010	06:32:29;	Dark	;	50.5;	54;	5The Cen	;	2.06;	4500;occ;	101;	0;40998
11;	-92.2;	02-JAN-2010	06:35:13;	Dark	;	40.0;	95;	Zet Cen	;	2.55;	26000;occ;	80;	0;40998
12;	11.6;	02-JAN-2010	06:36:57;	Dark	;	39.5;	77;	Eps Cen	;	2.30;	28000;occ;	79;	0;40999
13;	121.1;	02-JAN-2010	06:38:47;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;occ;	89;	0;40999
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21;	1345.5;	02-JAN-2010	06:59:11;	Dark	;	47.5;	23;	21Eps CMA	;	1.50;	26000;occ;	95;	0;40999
22;	1437.4;	02-JAN-2010	07:00:43;	Dark	;	44.0;	179;	240mi2CMA	;	3.03;	24000;occ;	88;	0;40999
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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2;	1868.8;	02-JAN-2010	07:07:54;	Dark	;	41.5;	33;	50Zet Ori	;	1.77;	30000;occ;	83;	0;40999
3;	2031.9;	02-JAN-2010	07:10:37;	Dark	;	49.0;	14;	58Alp Ori	;	0.87;	3000;occ;	98;	0;40999
4;	2223.4;	02-JAN-2010	07:13:49;	Dark	;	45.5;	44;	24Gam Gem	;	1.93;	11000;occ;	91;	0;40999
5;	2322.2;	02-JAN-2010	07:15:28;	Bright;	;	47.5;	151;	13Mu Gem	;	2.89;	3000;occ;	95;	0;40999
6;	2562.7;	02-JAN-2010	07:19:28;	Bright;	;	38.5;	107;	37The Aur	;	2.65;	11000;occ;	77;	0;40999
7;	2691.3;	02-JAN-2010	07:21:37;	Bright;	;	42.0;	6;	13Alp Aur	;	0.08;	3400;occ;	84;	0;40999
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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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19;	6048.1;	02-JAN-2010	08:17:34;	Dark	;	41.5;	77;	Eps Cen	;	2.30;	28000;occ;	83;	0;40999
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 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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 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
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17; 6065.8; 04-JAN-2010 10:35:49; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;41029
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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
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25; 7225.8; 04-JAN-2010 10:55:09; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;41029
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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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
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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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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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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
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 22; 6977.7; 04-JAN-2010 14:12:13; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;41031
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 25; 7390.2; 04-JAN-2010 14:19:05; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 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
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 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
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 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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 19; 6294.3; 04-JAN-2010 15:41:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41032
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 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
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 6; 2313.1; 04-JAN-2010 16:15:40; Bright; 47.0; 151; 13Mu Gem ; 2.89; 3000;occ; 94; 0;41033
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 23; 6808.9; 04-JAN-2010 17:30:36; Dark ; 48.0; 46; Del Vel ; 1.95; 10600;occ; 96; 0;41033
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 6; 2550.8; 06-JAN-2010 15:16:24; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;41061
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 9; 3924.5; 06-JAN-2010 15:39:17; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;41061
 10; 4090.2; 06-JAN-2010 15:42:03; Bright; 50.5; 39; 85Eta UMa ; 1.85; 24000;occ; 101; 0;41061
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9; 789.1; 07-JAN-2010 00:50:38; Dark ; 44.0; 46; Del Vel ; 1.95; 10600;occ; 88; 0;41067
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12; 1201.5; 07-JAN-2010 00:57:30; Dark ; 44.0; 117; Pi Pup ; 2.71; 3800;occ; 88; 0;41067
13; 1362.3; 07-JAN-2010 01:00:11; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;41067
14; 1451.5; 07-JAN-2010 01:01:40; Dark ; 40.5; 179; 240mi2CMa ; 3.03; 24000;occ; 81; 0;41067
15; 1592.0; 07-JAN-2010 01:04:00; Dark ; 46.5; 1; 9Alp CMa ; -1.44; 11000;occ; 93; 0;41067
16; 2030.8; 07-JAN-2010 01:11:19; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;41067
17; 2205.4; 07-JAN-2010 01:14:14; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;41067
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19; 2549.6; 07-JAN-2010 01:19:58; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;41067
20; 2682.6; 07-JAN-2010 01:22:11; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;41067
21; 3681.1; 07-JAN-2010 01:38:50; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41067
22; 3924.3; 07-JAN-2010 01:42:53; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41067
23; 4088.4; 07-JAN-2010 01:45:37; Bright; 44.5; 39; 85Eta UMA ; 1.85; 24000;occ; 89; 0;41067
24; 4354.9; 07-JAN-2010 01:50:03; Bright; 62.0; 180; 27Gam Boo ; 3.04; 8000;occ; 124; 0;41067
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26; 4919.1; 07-JAN-2010 01:59:28; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;41067
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5; 53.0; 07-JAN-2010 02:18:57; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;41068
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 21; 2682.6; 07-JAN-2010 03:02:47; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0;41068
 22; 3681.2; 07-JAN-2010 03:19:26; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;41068
 23; 3924.5; 07-JAN-2010 03:23:29; Bright; 1.0; 119; 14Eta Dra ; 2.73; 4700;occ; 2; 0;41068

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 4; -1442.1; 07-JAN-2010 03:34:38; Bright; 46.0; 83; ; 2.38; 11000;occ; 92; 0;41068
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 10; 53.8; 07-JAN-2010 03:59:34; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41069
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 12; 292.2; 07-JAN-2010 04:03:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41069
 13; 553.3; 07-JAN-2010 04:07:54; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;41069
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 15; 790.3; 07-JAN-2010 04:11:51; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41069
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 18; 1202.6; 07-JAN-2010 04:18:43; Dark ; 44.0; 117; Pi Pup ; 2.71; 3800;occ; 88; 0;41069
 19; 1363.2; 07-JAN-2010 04:21:24; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;41069
 20; 1452.1; 07-JAN-2010 04:22:52; Dark ; 44.0; 179; 24Omi2CMA ; 3.03; 24000;occ; 88; 0;41069
 21; 1592.5; 07-JAN-2010 04:25:13; Dark ; 49.0; 1; 9Alp CMA ; -1.44; 11000;occ; 98; 0;41069
 22; 2031.0; 07-JAN-2010 04:32:31; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;41069
 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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 5; -1441.7; 07-JAN-2010 05:15:15; Bright; 67.0; 83; ; 2.38; 11000;occ; 134; 0;41069
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 8; -623.5; 07-JAN-2010 05:28:53; Dark ; 48.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 97; 0;41069
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 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
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 15; 676.7; 07-JAN-2010 05:50:33; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41070
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 19; 1202.6; 07-JAN-2010 05:59:19; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;41070
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 21; 1452.2; 07-JAN-2010 06:03:29; Dark ; 41.5; 179; 24Omi2CMA ; 3.03; 24000;occ; 83; 0;41070
 22; 1592.6; 07-JAN-2010 06:05:49; Dark ; 46.5; 1; 9Alp CMA ; -1.44; 11000;occ; 93; 0;41070
 23; 2031.0; 07-JAN-2010 06:13:07; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;41070
 24; 2205.1; 07-JAN-2010 06:16:01; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;41070
 25; 2305.6; 07-JAN-2010 06:17:42; Bright; 47.0; 151; 13Mu Gem ; 2.89; 3000;occ; 94; 0;41070
 26; 2549.6; 07-JAN-2010 06:21:46; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;41070
 27; 2682.5; 07-JAN-2010 06:23:59; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;41070

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

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

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2;	2204.9;	07-JAN-2010	07:56:37;	Dark	;	46.0;	44;	24Gam Gem	;	1.93;	11000;occ;	92;	0;	41071
3;	2305.2;	07-JAN-2010	07:58:18;	Bright;	;	45.5;	151;	13Mu Gem	;	2.89;	3000;occ;	91;	0;	41071
4;	2549.5;	07-JAN-2010	08:02:22;	Bright;	;	38.0;	107;	37The Aur	;	2.65;	11000;occ;	76;	0;	41071
5;	2682.4;	07-JAN-2010	08:04:35;	Bright;	;	38.0;	42;	34Bet Aur	;	1.90;	10200;occ;	76;	0;	41071
6;	3681.0;	07-JAN-2010	08:21:13;	Bright;	;	34.0;	60;	7Bet UMi	;	2.08;	3950;occ;	68;	0;	41071
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8;	4087.2;	07-JAN-2010	08:27:59;	Bright;	;	52.5;	39;	85Eta UMa	;	1.85;	24000;occ;	105;	0;	41071
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13;	5413.9;	07-JAN-2010	08:50:06;	Dark	;	46.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	92;	0;	41071
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13; 5059.3; 08-JAN-2010 08:12:35; Bright; 53.0; 120; 1Del Oph ; 2.73; 3200;occ; 106; 0;41085
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 7; 397.5; 14-JAN-2010 23:52:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41181
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 9; 729.4; 14-JAN-2010 23:57:54; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;41181
 10; 804.6; 14-JAN-2010 23:59:09; Dark ; 52.5; 41; Eps Car ; 1.86; 4100;occ; 105; 0;41181
 11; 1004.8; 15-JAN-2010 00:02:29; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;41181
 12; 1133.3; 15-JAN-2010 00:04:38; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;41181
 13; 1234.7; 15-JAN-2010 00:06:19; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;41181
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 15; 1473.7; 15-JAN-2010 00:10:18; Dark ; 41.0; 179; 240mi2Cma ; 3.03; 24000;occ; 82; 0;41181
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 18; 2189.3; 15-JAN-2010 00:22:14; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;41181
 19; 2274.6; 15-JAN-2010 00:23:39; Bright; 38.0; 176; 23Zet Tau ; 3.02; 22000;occ; 76; 0;41181
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 21; 2671.8; 15-JAN-2010 00:30:16; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;41181
 22; 3424.8; 15-JAN-2010 00:42:49; Bright; 39.0; 49; 1Alp Umi ; 1.99; 6300;occ; 78; 0;41181
 23; 3664.7; 15-JAN-2010 00:46:49; Bright; 35.5; 60; 7Bet Umi ; 2.08; 3950;occ; 71; 0;41181
 24; 3922.8; 15-JAN-2010 00:51:07; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;41181
 25; 4076.0; 15-JAN-2010 00:53:40; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;41181
 26; 4452.5; 15-JAN-2010 00:59:57; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;41181
 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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 3; -1584.8; 14-JAN-2010 06:33:20; Bright; 34.5; 133; 40Zet Her ; 2.81; 6000;occ; 69; 0;41170
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 9; -610.7; 14-JAN-2010 06:49:34; Dark ; 43.5; 80; 7Del Sco ; 2.32; 30000;occ; 87; 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
 17; 526.9; 14-JAN-2010 07:08:32; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41171
 18; 614.0; 14-JAN-2010 07:09:59; Dark ; 36.5; 159; Ups Car ; 2.92; 7200;occ; 73; 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
 23; 1386.3; 14-JAN-2010 07:22:51; Dark ; 43.5; 23; 21Eps CMA ; 1.50; 26000;occ; 87; 0;41171
 24; 1471.8; 14-JAN-2010 07:24:17; Dark ; 40.5; 179; 240mi2CMA ; 3.03; 24000;occ; 81; 0;41171
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 3; 2293.0; 14-JAN-2010 07:37:58; Bright; 53.0; 151; 13Mu Gem ; 2.89; 3000;occ; 106; 0;41171
 4; 2541.1; 14-JAN-2010 07:42:06; Bright; 36.5; 107; 37The Aur ; 2.65; 11000;occ; 73; 0;41171
 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
 7; 3666.1; 14-JAN-2010 08:00:51; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;41171
 8; 3923.0; 14-JAN-2010 08:05:08; Bright; 52.5; 119; 14Eta Dra ; 2.73; 4700;occ; 105; 0;41171
 9; 4451.4; 14-JAN-2010 08:13:56; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;41171
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 11; 4962.9; 14-JAN-2010 08:22:28; Bright; 42.5; 102; 24Alp Ser ; 2.60; 4250;occ; 85; 0;41171
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 13; 5174.4; 14-JAN-2010 08:26:00; Bright; 53.0; 98; 13Zet Oph ; 2.57; 30000;occ; 106; 0;41171
 14; 5307.0; 14-JAN-2010 08:28:12; Dark ; 50.5; 104; 27Bet Lib ; 2.61; 13100;occ; 101; 0;41171
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 18; 5947.7; 14-JAN-2010 08:38:53; Dark ; 40.5; 78; Alp Lup ; 2.30; 28000;occ; 81; 0;41171
 19; 6067.4; 14-JAN-2010 08:40:52; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;41171
 20; 6162.3; 14-JAN-2010 08:42:27; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 0;41171
 21; 6314.6; 14-JAN-2010 08:45:00; Dark ; 41.0; 20; Bet Cru ; 1.25; 30000;occ; 82; 0;41171
 22; 6425.0; 14-JAN-2010 08:46:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41171
 23; 6563.4; 14-JAN-2010 08:49:09; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41171
 24; 6650.3; 14-JAN-2010 08:50:35; Dark ; 38.5; 159; Ups Car ; 2.92; 7200;occ; 73; 0;41171
 25; 6761.3; 14-JAN-2010 08:52:26; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;41171
 26; 6837.7; 14-JAN-2010 08:53:43; Dark ; 45.0; 41; Eps Car ; 1.86; 4100;occ; 90; 0;41171
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12; 5091.6; 14-JAN-2010 10:05:13; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;41172
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23; 6563.8; 14-JAN-2010 10:29:45; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41172
24; 6650.5; 14-JAN-2010 10:31:11; Dark ; 38.5; 159; Ups Car ; 2.92; 7200;occ; 77; 0;41172
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 18; 1180.5; 25-JAN-2010 08:14:02; Dark ; 39.0; 70; Zet Pup ; 2.25; 39000;occ; 78; 0;41329
 19; 1499.9; 25-JAN-2010 08:19:21; Dark ; 39.0; 179; 240mi2CMa ; 3.03; 24000;occ; 78; 0;41329

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 3; 2295.5; 25-JAN-2010 08:32:37; Bright; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;41329

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5; 2572.8; 25-JAN-2010 08:37:14; Bright; 13.5; 107; 37The Aur ; 2.65; 11000;occ; 27; 0;41329
6; 2677.7; 25-JAN-2010 08:38:59; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;41329
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10; 4085.8; 25-JAN-2010 09:02:27; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;41329
11; 4473.7; 25-JAN-2010 09:08:55; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;41329
12; 4675.2; 25-JAN-2010 09:12:17; Bright; 60.0; 127; 27Bet Her ; 2.78; 4700;occ; 120; 0;41329
13; 4772.1; 25-JAN-2010 09:13:53; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;41329
14; 4898.9; 25-JAN-2010 09:16:00; Bright; 33.5; 126; 60Bet Oph ; 2.77; 4250;occ; 67; 0;41329
15; 5172.7; 25-JAN-2010 09:20:34; Dark ; 53.0; 120; 1Del Oph ; 2.73; 3200;occ; 106; 0;41329
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19; 6059.8; 25-JAN-2010 09:35:21; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;41329
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22; 6454.6; 25-JAN-2010 09:41:56; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;41329
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4; 2413.3; 25-JAN-2010 10:15:11; Bright; 58.0; 17; 78Bet Gem ; 1.16; 4500;occ; 116; 0;41330
5; 2677.8; 25-JAN-2010 10:19:35; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;41330
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8; 4085.8; 25-JAN-2010 10:43:03; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;41330
9; 4473.7; 25-JAN-2010 10:49:31; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;41330
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17; 5972.1; 25-JAN-2010 11:14:29; Dark ; 43.0; 109; Bet Lup ; 2.68; 26000;occ; 86; 0;41330
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20; 6274.1; 25-JAN-2010 11:19:31; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;41330
21; 6455.0; 25-JAN-2010 11:22:32; Dark ; 43.5; 12; Alp1Cru ; 0.77; 30000;occ; 87; 0;41330
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5; 2412.9; 25-JAN-2010 11:55:46; Bright; 43.5; 17; 78Bet Gem ; 1.16; 4500;occ; 87; 0;41331
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7; 3426.4; 25-JAN-2010 12:12:40; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41331
8; 3635.4; 25-JAN-2010 12:16:09; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;41331
9; 3909.9; 25-JAN-2010 12:20:43; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;41331
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12; 4675.9; 25-JAN-2010 12:33:29; Bright; 60.0; 127; 27Bet Her ; 2.78; 4700;occ; 120; 0;41331
13; 4772.5; 25-JAN-2010 12:35:06; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;41331
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18; 5972.9; 25-JAN-2010 12:55:06; Dark ; 42.5; 109; Bet Lup ; 2.68; 26000;occ; 85; 0;41331
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21; 6455.4; 25-JAN-2010 13:03:09; Dark ; 45.0; 12; Alp1Cru ; 0.77; 30000;occ; 90; 0;41331
22; 6569.9; 25-JAN-2010 13:05:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41331
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26; 7090.8; 25-JAN-2010 13:13:44; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41331
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28; 7305.6; 25-JAN-2010 13:17:19; Dark ; 41.0; 117; Pi Pup ; 2.71; 3800;occ; 82; 0;41331
29; 7430.4; 25-JAN-2010 13:19:24; Dark ; 41.0; 88; 31Eta CMA ; 2.45; 20000;occ; 82; 0;41331
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28; 7217.7; 25-JAN-2010 14:56:27; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41332
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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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