

GOMOS Daily Report 14-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 04:56:49
Data source version	GOMOS/5.00L04
Start time of products	14JAN2010 00:01:34
Stop time of products	14JAN2010 23:59:09
Store outputs in DB	Yes
Nb of level 1b prods	145
Nb of prods with errors	1

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

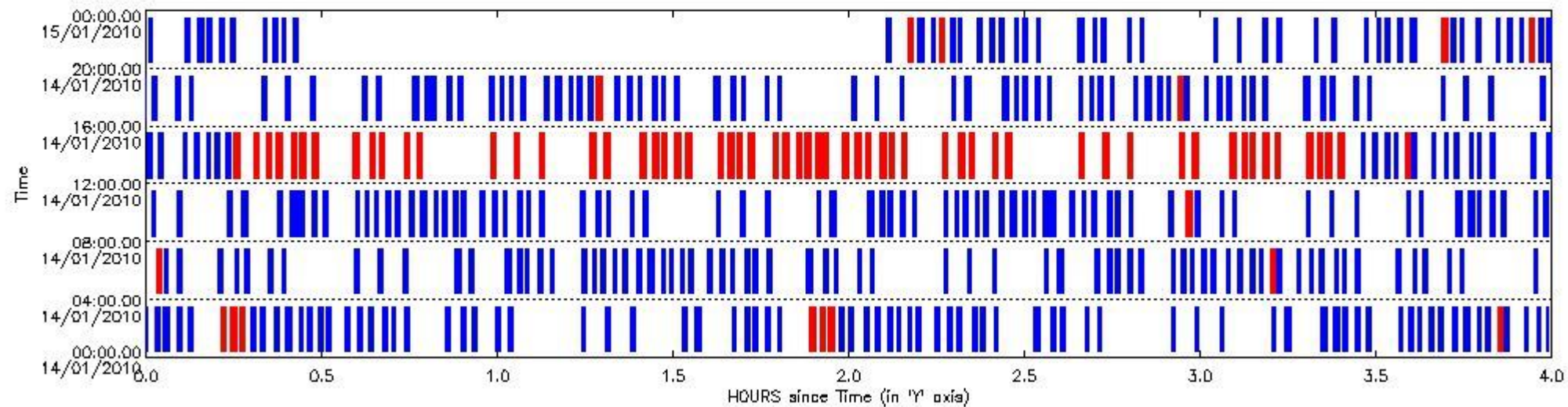
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
14-JAN-2010 00:12:42	GamLup	131	41166
14-JAN-2010 00:14:25	BetLup	109	41166
14-JAN-2010 00:15:55	AlpLup	78	41166
14-JAN-2010 01:53:19	GamLup	131	41167
14-JAN-2010 01:55:01	BetLup	109	41167
14-JAN-2010 01:56:32	AlpLup	78	41167
14-JAN-2010 03:50:43	IotCar	71	41169
14-JAN-2010 04:01:44	21EpsCMa	23	41169
14-JAN-2010 07:11:55	IotCar	71	41171
14-JAN-2010 10:57:32	24GamGem	44	41173
14-JAN-2010 12:15:01	EpsCar	41	41174
14-JAN-2010 12:18:20	Gam2Vel	34	41174
14-JAN-2010 12:20:29	ZetPup	70	41174
14-JAN-2010 12:22:11	PiPup	117	41174
14-JAN-2010 12:24:45	21EpsCMa	23	41174

14-JAN-2010 12:26:11	24Omi2CMa	179	41174
14-JAN-2010 12:28:25	9AlpCMa	1	41174
14-JAN-2010 12:35:15	10AlpCMi	8	41174
14-JAN-2010 12:38:08	24GamGem	44	41174
14-JAN-2010 12:39:51	13MuGem	151	41174
14-JAN-2010 12:43:59	37TheAur	107	41174
14-JAN-2010 12:46:11	34BetAur	42	41174
14-JAN-2010 12:58:43	1AlpUMi	49	41174
14-JAN-2010 13:02:44	7BetUMi	60	41174
14-JAN-2010 13:07:01	14EtaDra	119	41174
14-JAN-2010 13:15:50	40ZetHer	133	41174
14-JAN-2010 13:18:03	5AlpCrB	67	41174
14-JAN-2010 13:24:22	24AlpSer	102	41174
14-JAN-2010 13:26:31	1DelOph	120	41174
14-JAN-2010 13:27:53	13ZetOph	98	41174
14-JAN-2010 13:30:07	27BetLib	104	41174
14-JAN-2010 13:32:05	7DelSco	80	41174
14-JAN-2010 13:37:34	GamLup	131	41174
14-JAN-2010 13:39:17	BetLup	109	41174
14-JAN-2010 13:40:48	AlpLup	78	41174
14-JAN-2010 13:42:48	ZetCen	95	41175
14-JAN-2010 13:46:55	BetCru	20	41175
14-JAN-2010 13:48:46	DSA1053	0	41175
14-JAN-2010 13:51:03	TheCar	124	41175
14-JAN-2010 13:52:30	UpsCar	159	41175
14-JAN-2010 13:54:21	lotCar	71	41175
14-JAN-2010 13:55:37	EpsCar	41	41175
14-JAN-2010 13:58:57	Gam2Vel	34	41175
14-JAN-2010 14:01:06	ZetPup	70	41175
14-JAN-2010 14:02:47	PiPup	117	41175
14-JAN-2010 14:05:21	21EpsCMa	23	41175
14-JAN-2010 14:06:47	24Omi2CMa	179	41175
14-JAN-2010 14:09:01	9AlpCMa	1	41175
14-JAN-2010 14:15:51	10AlpCMi	8	41175
14-JAN-2010 14:18:44	24GamGem	44	41175
14-JAN-2010 14:20:27	13MuGem	151	41175
14-JAN-2010 14:24:35	37TheAur	107	41175
14-JAN-2010 14:26:46	34BetAur	42	41175
14-JAN-2010 14:39:19	1AlpUMi	49	41175
14-JAN-2010 14:43:19	7BetUMi	60	41175
14-JAN-2010 14:47:37	14EtaDra	119	41175
14-JAN-2010 14:56:26	40ZetHer	133	41175
14-JAN-2010 14:58:39	5AlpCrB	67	41175
14-JAN-2010 15:04:59	24AlpSer	102	41175
14-JAN-2010 15:07:07	1DelOph	120	41175
14-JAN-2010 15:08:30	13ZetOph	98	41175
14-JAN-2010 15:10:44	27BetLib	104	41175
14-JAN-2010 15:12:42	7DelSco	80	41175
14-JAN-2010 15:18:10	GamLup	131	41175
14-JAN-2010 15:19:54	BetLup	109	41175
14-JAN-2010 15:21:24	AlpLup	78	41175
14-JAN-2010 15:23:24	ZetCen	95	41176
14-JAN-2010 15:34:57	lotCar	71	41176
14-JAN-2010 17:16:50	EpsCar	41	41177
14-JAN-2010 18:56:10	lotCar	71	41178
14-JAN-2010 22:09:57	BetCru	20	41180
14-JAN-2010 22:15:28	BetCar	29	41180
14-JAN-2010 23:41:12	GamLup	131	41180
14-JAN-2010 23:56:05	BetCar	29	41181

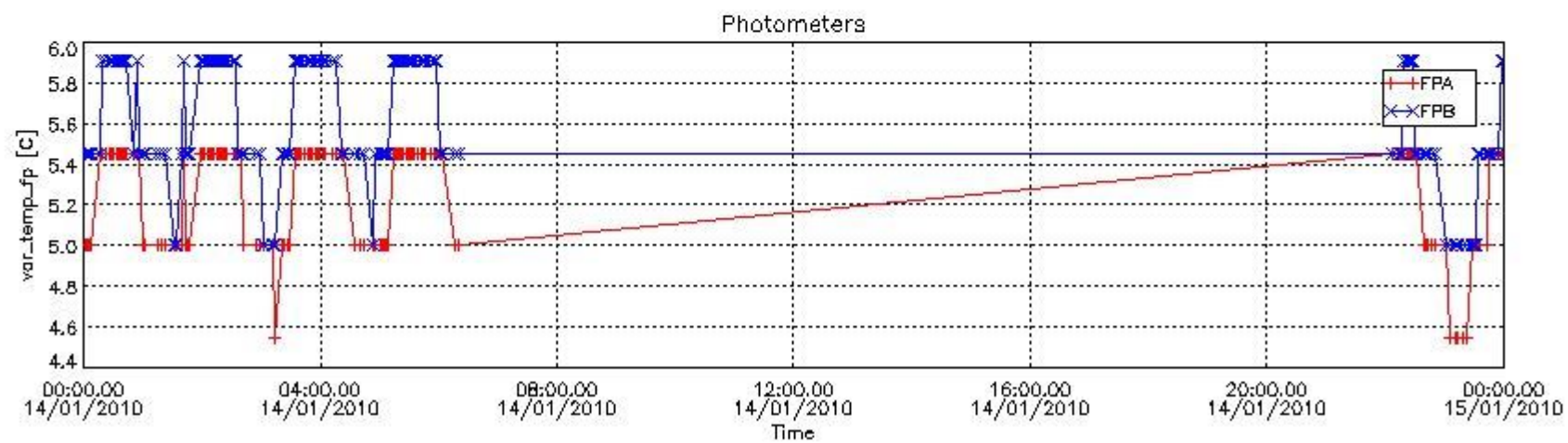
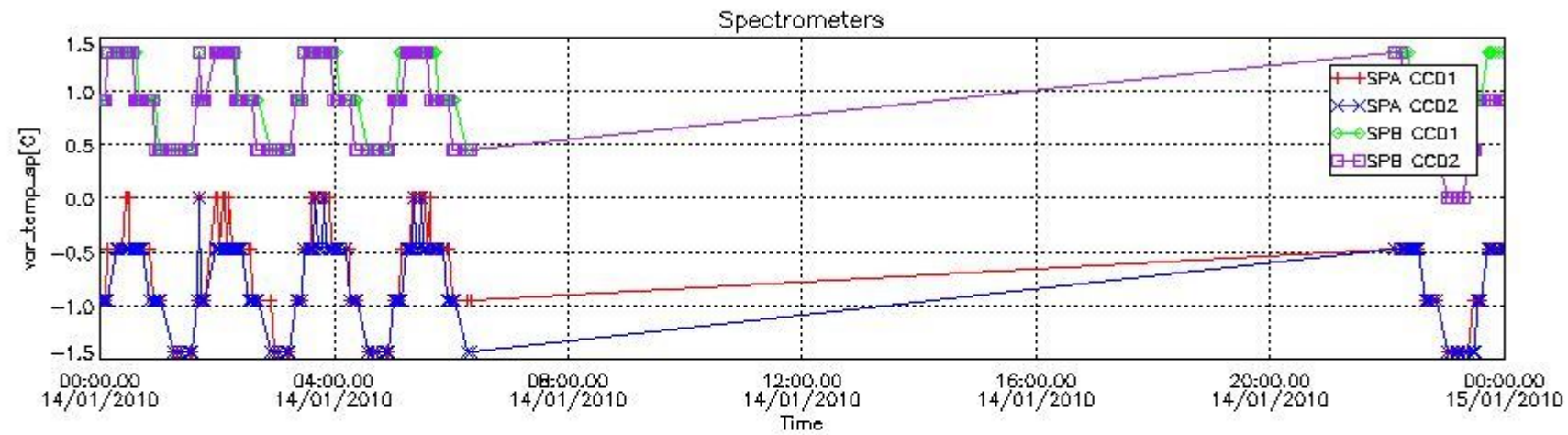
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100114_000134_000000412086_00030_41166_4363.N1	14-JAN-2010 00:01:34	Bright	40.500	120	1Del Oph	2.7340	3200.0	81	41166	No
2	GOM_TRA_1PNPDE20100114_000258_000000532086_00030_41166_4364.N1	14-JAN-2010 00:02:58	Bright	53.000	98	13Zet Oph	2.5710	30000.	106	41166	No
3	GOM_TRA_1PNPDE20100114_000508_000000472086_00030_41166_4351.N1	14-JAN-2010 00:05:08	Twi_and_stray	47.000	104	27Bet Lib	2.6140	13100.	94	41166	No
4	GOM_TRA_1PNPDE20100114_000708_000000432086_00030_41166_4352.N1	14-JAN-2010 00:07:08	Twi_and_stray	43.000	80	7Del Sco	2.3160	30000.	86	41166	No
5	GOM_TRA_1PNPDE20100114_001749_000000432086_00031_41167_4353.N1	14-JAN-2010 00:17:49	Dark	43.000	95	Zet Cen	2.5450	26000.	86	41167	No
6	GOM_TRA_1PNPDE20100114_001925_000000482086_00031_41167_4354.N1	14-JAN-2010 00:19:25	Dark	47.500	10	Bet Cen	0.61000	28000.	95	41167	No
7	GOM_TRA_1PNPDE20100114_002157_000000432086_00031_41167_4355.N1	14-JAN-2010 00:21:57	Dark	42.500	20	Bet Cru	1.2530	30000.	85	41167	No
8	GOM_TRA_1PNPDE20100114_002606_000000402086_00031_41167_4356.N1	14-JAN-2010 00:26:06	Dark	40.000	124	The Car	2.7640	30000.	80	41167	No
9	GOM_TRA_1PNPDE20100114_002733_000000392086_00031_41167_4357.N1	14-JAN-2010 00:27:33	Dark	39.000	159	Ups Car	2.9200	7200.0	78	41167	No
10	GOM_TRA_1PNPDE20100114_002924_000000472086_00031_41167_4358.N1	14-JAN-2010 00:29:24	Dark	47.000	71	lot Car	2.2460	7700.0	94	41167	No
11	GOM_TRA_1PNPDE20100114_003041_000000442086_00031_41167_4359.N1	14-JAN-2010 00:30:41	Dark	44.000	41	Eps Car	1.8600	4100.0	88	41167	No
12	GOM_TRA_1PNPDE20100114_003400_000000452086_00031_41167_4360.N1	14-JAN-2010 00:34:00	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	41167	No
13	GOM_TRA_1PNPDE20100114_003610_000000442086_00031_41167_4361.N1	14-JAN-2010 00:36:10	Dark	43.500	70	Zet Pup	2.2460	39000.	87	41167	No
14	GOM_TRA_1PNPDE20100114_003752_000000462086_00031_41167_4362.N1	14-JAN-2010 00:37:52	Straylight	46.000	117	Pi Pup	2.7060	3800.0	92	41167	No
15	GOM_TRA_1PNPDE20100114_004026_000000442086_00031_41167_4363.N1	14-JAN-2010 00:40:26	Straylight	43.500	23	21Eps CMa	1.5020	26000.	87	41167	No
16	GOM_TRA_1PNPDE20100114_004152_000000422086_00031_41167_4364.N1	14-JAN-2010 00:41:52	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	41167	No
17	GOM_TRA_1PNPDE20100114_004407_000000462086_00031_41167_4365.N1	14-JAN-2010 00:44:07	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	41167	No
18	GOM_TRA_1PNPDE20100114_005100_000000542086_00031_41167_4366.N1	14-JAN-2010 00:51:00	Twi_and_stray	54.000	8	10Alp CMi	0.40000	6500.0	108	41167	No
19	GOM_TRA_1PNPDE20100114_005352_000000452086_00031_41167_4367.N1	14-JAN-2010 00:53:52	Bright	44.500	44	24Gam Gem	1.9280	11000.	89	41167	No
20	GOM_TRA_1PNPDE20100114_005534_000000472086_00031_41167_4368.N1	14-JAN-2010 00:55:34	Bright	47.000	151	13Mu Gem	2.8900	3000.0	94	41167	No
21	GOM_TRA_1PNPDE20100114_005942_000000372086_00031_41167_4369.N1	14-JAN-2010 00:59:42	Bright	37.000	107	37The Aur	2.6490	11000.	74	41167	No
22	GOM_TRA_1PNPDE20100114_010154_000000382086_00031_41167_4370.N1	14-JAN-2010 01:01:54	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	41167	No
23	GOM_TRA_1PNPDE20100114_011426_000000352086_00031_41167_4371.N1	14-JAN-2010 01:14:26	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	41167	No
24	GOM_TRA_1PNPDE20100114_011828_000000372086_00031_41167_4372.N1	14-JAN-2010 01:18:28	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	41167	No
25	GOM_TRA_1PNPDE20100114_012244_000000422086_00031_41167_4373.N1	14-JAN-2010 01:22:44	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	41167	No
26	GOM_TRA_1PNPDE20100114_013132_000000542086_00031_41167_4374.N1	14-JAN-2010 01:31:32	Bright	54.000	133	40Zet Her	2.8070	6000.0	108	41167	No
27	GOM_TRA_1PNPDE20100114_013344_000000622086_00031_41167_4375.N1	14-JAN-2010 01:33:44	Bright	62.000	67	5Alp CrB	2.2210	11000.	124	41167	No
28	GOM_TRA_1PNPDE20100114_014002_000000412086_00031_41167_4376.N1	14-JAN-2010 01:40:02	Bright	40.500	102	24Alp Ser	2.6000	4250.0	81	41167	No
29	GOM_TRA_1PNPDE20100114_014211_000000552086_00031_41167_4370.N1	14-JAN-2010 01:42:11	Bright	55.000	120	1Del Oph	2.7340	3200.0	110	41167	Yes
30	GOM_TRA_1PNPDE20100114_014334_000000532086_00031_41167_4371.N1	14-JAN-2010 01:43:34	Bright	53.000	98	13Zet Oph	2.5710	30000.	106	41167	No
31	GOM_TRA_1PNPDE20100114_014545_000000472086_00031_41167_4372.N1	14-JAN-2010 01:45:45	Twi_and_stray	47.000	104	27Bet Lib	2.6140	13100.	94	41167	No
32	GOM_TRA_1PNPDE20100114_014745_000000412086_00031_41167_4373.N1	14-JAN-2010 01:47:45	Twi_and_stray	41.000	80	7Del Sco	2.3160	30000.	82	41167	No
33	GOM_TRA_1PNPDE20100114_015825_000000422086_00032_41168_4374.N1	14-JAN-2010 01:58:25	Dark	41.500	95	Zet Cen	2.5450	26000.	83	41168	No
34	GOM_TRA_1PNPDE20100114_020001_000000422086_00032_41168_4375.N1	14-JAN-2010 02:00:01	Dark	42.000	10	Bet Cen	0.61000	28000.	84	41168	No
35	GOM_TRA_1PNPDE20100114_020233_000000432086_00032_41168_4376.N1	14-JAN-2010 02:02:33	Dark	43.000	20	Bet Cru	1.2530	30000.	86	41168	No
36	GOM_TRA_1PNPDE20100114_020643_000000392086_00032_41168_4377.N1	14-JAN-2010 02:06:43	Dark	39.000	124	The Car	2.7640	30000.	78	41168	No
37	GOM_TRA_1PNPDE20100114_020810_000000382086_00032_41168_4378.N1	14-JAN-2010 02:08:10	Dark	38.000	159	Ups Car	2.9200	7200.0	76	41168	No
38	GOM_TRA_1PNPDE20100114_021001_000000452086_00032_41168_4379.N1	14-JAN-2010 02:10:01	Dark	44.500	71	lot Car	2.2460	7700.0	89	41168	No
39	GOM_TRA_1PNPDE20100114_021118_000000492086_00032_41168_4380.N1	14-JAN-2010 02:11:18	Dark	48.500	41	Eps Car	1.8600	4100.0	97	41168	No
40	GOM_TRA_1PNPDE20100114_021437_000000432086_00032_41168_4381.N1	14-JAN-2010 02:14:37	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41168	No
41	GOM_TRA_1PNPDE20100114_021646_000000452086_00032_41168_4382.N1	14-JAN-2010 02:16:46	Dark	44.500	70	Zet Pup	2.2460	39000.	89	41168	No
42	GOM_TRA_1PNPDE20100114_021828_000000462086_00032_41168_4383.N1	14-JAN-2010 02:18:28	Straylight	45.500	117	Pi Pup	2.7060	3800.0	91	41168	No
43	GOM_TRA_1PNPDE20100114_022103_000000422086_00032_41168_4384.N1	14-JAN-2010 02:21:03	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	41168	No
44	GOM_TRA_1PNPDE20100114_022229_000000412086_00032_41168_4385.N1	14-JAN-2010 02:22:29	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	41168	No
45	GOM_TRA_1PNPDE20100114_022443_000000462086_00032_41168_4386.N1	14-JAN-2010 02:24:43	Straylight	46.000	1	9Alp CMa	-1.4400	11000.	92	41168	No
46	GOM_TRA_1PNPDE20100114_023136_000000542086_00032_41168_4387.N1	14-JAN-2010 02:31:36	Twi_and_stray	54.000	8	10Alp CMi	0.40000	6500.0	108	41168	No
47	GOM_TRA_1PNPDE20100114_023427_000000452086_00032_41168_4388.N1	14-JAN-2010 02:34:27	Bright	44.500	44	24Gam Gem	1.9280	11000.	89	41168	No
48	GOM_TRA_1PNPDE20100114_023610_000000422086_00032_41168_4389.N1	14-JAN-2010 02:36:10	Bright	42.000	151	13Mu Gem	2.8900	3000.0	84	41168	No
49	GOM_TRA_1PNPDE20100114_024018_000000362086_00032_41168_4390.N1	14-JAN-2010 02:40:18	Bright	35.500	107	37The Aur	2.6490	11000.	71	41168	No
50	GOM_TRA_1PNPDE20100114_024230_000000372086_00032_41168_4391.N1	14-JAN-2010 02:42:30	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41168	No
51	GOM_TRA_1PNPDE20100114_025502_000000332086_00032_41168_4392.N1	14-JAN-2010 02:55:02	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	41168	No
52	GOM_TRA_1PNPDE20100114_025904_000000412086_00032_41168_4397.N1	14-JAN-2010 02:59:04	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	41168	No
53	GOM_TRA_1PNPDE20100114_030320_000000392086_00032_41168_4398.N1	14-JAN-2010 03:03:20	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	41168	No
54	GOM_TRA_1PNPDE20100114_031208_000000352086_00032_41168_4399.N1	14-JAN-2010 03:12:08	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	41168	No

55	GOM_TRA_1PNPDE20100114_031420_000000622086_00032_41168_4400.N1	14-JAN-2010 03:14:20	Bright	62.000	67	5Alp CrB	2.2210	11000.	124	41168	No
56	GOM_TRA_1PNPDE20100114_032038_000000612086_00032_41168_4401.N1	14-JAN-2010 03:20:38	Bright	61.000	102	24Alp Ser	2.6000	4250.0	122	41168	No
57	GOM_TRA_1PNPDE20100114_032247_000000552086_00032_41168_4402.N1	14-JAN-2010 03:22:47	Bright	55.000	120	1Del Oph	2.7340	3200.0	110	41168	No
58	GOM_TRA_1PNPDE20100114_032410_000000532086_00032_41168_4403.N1	14-JAN-2010 03:24:10	Bright	53.000	98	13Zet Oph	2.5710	30000.	106	41168	No
59	GOM_TRA_1PNPDE20100114_032622_000000462086_00032_41168_4404.N1	14-JAN-2010 03:26:22	Tw_i_and_stray	45.500	104	27Bet Lib	2.6140	13100.	91	41168	No
60	GOM_TRA_1PNPDE20100114_032821_000000452086_00032_41168_4405.N1	14-JAN-2010 03:28:21	Tw_i_and_stray	45.000	80	7Del Sco	2.3160	30000.	90	41168	No
61	GOM_TRA_1PNPDE20100114_033350_000000392086_00032_41168_4406.N1	14-JAN-2010 03:33:50	Dark	39.000	131	Gam Lup	2.8000	26000.	78	41168	No
62	GOM_TRA_1PNPDE20100114_033532_000000412086_00032_41168_4407.N1	14-JAN-2010 03:35:32	Dark	40.500	109	Bet Lup	2.6770	26000.	81	41168	No
63	GOM_TRA_1PNPDE20100114_033703_000000402086_00032_41168_4408.N1	14-JAN-2010 03:37:03	Dark	39.500	78	Alp Lup	2.3040	28000.	79	41168	No
64	GOM_TRA_1PNPDE20100114_033902_000000422086_00033_41169_4409.N1	14-JAN-2010 03:39:02	Dark	41.500	95	Zet Cen	2.5450	26000.	83	41169	No
65	GOM_TRA_1PNPDE20100114_034038_000000432086_00033_41169_4410.N1	14-JAN-2010 03:40:38	Dark	43.000	10	Bet Cen	0.61000	28000.	86	41169	No
66	GOM_TRA_1PNPDE20100114_034310_000000412086_00033_41169_4411.N1	14-JAN-2010 03:43:10	Dark	41.000	20	Bet Cru	1.2530	30000.	82	41169	No
67	GOM_TRA_1PNPDE20100114_034719_000000382086_00033_41169_4412.N1	14-JAN-2010 03:47:19	Dark	37.500	124	The Car	2.7640	30000.	75	41169	No
68	GOM_TRA_1PNPDE20100114_034846_000000382086_00033_41169_4413.N1	14-JAN-2010 03:48:46	Dark	38.000	159	Ups Car	2.9200	7200.0	76	41169	No
69	GOM_TRA_1PNPDE20100114_035154_000000462086_00033_41169_4414.N1	14-JAN-2010 03:51:54	Dark	45.500	41	Eps Car	1.8600	4100.0	91	41169	No
70	GOM_TRA_1PNPDE20100114_035513_000000412086_00033_41169_4415.N1	14-JAN-2010 03:55:13	Dark	41.000	34	Gam2Vel	1.7930	23000.	82	41169	No
71	GOM_TRA_1PNPDE20100114_035722_000000432086_00033_41169_4416.N1	14-JAN-2010 03:57:22	Dark	43.000	70	Zet Pup	2.2460	39000.	86	41169	No
72	GOM_TRA_1PNPDE20100114_035905_000000162086_00033_41169_4417.N1	14-JAN-2010 03:59:05	Straylight	15.500	117	Pi Pup	2.7060	3800.0	31	41169	No
73	GOM_TRA_1PNPDE20100114_040305_000000422086_00033_41169_4418.N1	14-JAN-2010 04:03:05	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	41169	No
74	GOM_TRA_1PNPDE20100114_040519_000000462086_00033_41169_4419.N1	14-JAN-2010 04:05:19	Straylight	46.000	1	9Alp CMa	-1.4400	11000.	92	41169	No
75	GOM_TRA_1PNPDE20100114_041212_000000532086_00033_41169_4420.N1	14-JAN-2010 04:12:12	Tw_i_and_stray	53.000	8	10Alp CMi	0.40000	6500.0	106	41169	No
76	GOM_TRA_1PNPDE20100114_041504_000000452086_00033_41169_4421.N1	14-JAN-2010 04:15:04	Bright	45.000	44	24Gam Gem	1.9280	11000.	90	41169	No
77	GOM_TRA_1PNPDE20100114_041646_000000462086_00033_41169_4422.N1	14-JAN-2010 04:16:46	Bright	45.500	151	13Mu Gem	2.8900	3000.0	91	41169	No
78	GOM_TRA_1PNPDE20100114_042054_000000372086_00033_41169_4423.N1	14-JAN-2010 04:20:54	Bright	36.500	107	37The Aur	2.6490	11000.	73	41169	No
79	GOM_TRA_1PNPDE20100114_042306_000000372086_00033_41169_4424.N1	14-JAN-2010 04:23:06	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41169	No
80	GOM_TRA_1PNPDE20100114_043538_000000412086_00033_41169_4425.N1	14-JAN-2010 04:35:38	Bright	40.500	49	1Alp UMi	1.9900	6300.0	81	41169	No
81	GOM_TRA_1PNPDE20100114_043939_000000372086_00033_41169_4413.N1	14-JAN-2010 04:39:39	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	41169	No
82	GOM_TRA_1PNPDE20100114_044356_000000382086_00033_41169_4414.N1	14-JAN-2010 04:43:56	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	41169	No
83	GOM_TRA_1PNPDE20100114_045244_000000542086_00033_41169_4415.N1	14-JAN-2010 04:52:44	Bright	54.000	133	40Zet Her	2.8070	6000.0	108	41169	No
84	GOM_TRA_1PNPDE20100114_045456_000000622086_00033_41169_4416.N1	14-JAN-2010 04:54:56	Bright	62.000	67	5Alp CrB	2.2210	11000.	124	41169	No
85	GOM_TRA_1PNPDE20100114_050115_000000612086_00033_41169_4417.N1	14-JAN-2010 05:01:15	Bright	61.000	102	24Alp Ser	2.6000	4250.0	122	41169	No
86	GOM_TRA_1PNPDE20100114_050323_000000552086_00033_41169_4418.N1	14-JAN-2010 05:03:23	Bright	55.000	120	1Del Oph	2.7340	3200.0	110	41169	No
87	GOM_TRA_1PNPDE20100114_050447_000000352086_00033_41169_4419.N1	14-JAN-2010 05:04:47	Bright	35.000	98	13Zet Oph	2.5710	30000.	70	41169	No
88	GOM_TRA_1PNPDE20100114_050658_000000472086_00033_41169_4420.N1	14-JAN-2010 05:06:58	Tw_i_and_stray	47.000	104	27Bet Lib	2.6140	13100.	94	41169	No
89	GOM_TRA_1PNPDE20100114_050858_000000422086_00033_41169_4421.N1	14-JAN-2010 05:08:58	Tw_i_and_stray	41.500	80	7Del Sco	2.3160	30000.	83	41169	No
90	GOM_TRA_1PNPDE20100114_051426_000000402086_00033_41169_4422.N1	14-JAN-2010 05:14:26	Dark	40.000	131	Gam Lup	2.8000	26000.	80	41169	No
91	GOM_TRA_1PNPDE20100114_051609_000000422086_00033_41169_4423.N1	14-JAN-2010 05:16:09	Dark	41.500	109	Bet Lup	2.6770	26000.	83	41169	No
92	GOM_TRA_1PNPDE20100114_051740_000000402086_00033_41169_4424.N1	14-JAN-2010 05:17:40	Dark	39.500	78	Alp Lup	2.3040	28000.	79	41169	No
93	GOM_TRA_1PNPDE20100114_051939_000000432086_00034_41170_4425.N1	14-JAN-2010 05:19:39	Dark	43.000	95	Zet Cen	2.5450	26000.	86	41170	No
94	GOM_TRA_1PNPDE20100114_052114_000000492086_00034_41170_4426.N1	14-JAN-2010 05:21:14	Dark	49.000	10	Bet Cen	0.61000	28000.	98	41170	No
95	GOM_TRA_1PNPDE20100114_052347_000000412086_00034_41170_4427.N1	14-JAN-2010 05:23:47	Dark	41.000	20	Bet Cru	1.2530	30000.	82	41170	No
96	GOM_TRA_1PNPDE20100114_052756_000000422086_00034_41170_4428.N1	14-JAN-2010 05:27:56	Dark	42.000	124	The Car	2.7640	30000.	84	41170	No
97	GOM_TRA_1PNPDE20100114_052923_000000392086_00034_41170_4429.N1	14-JAN-2010 05:29:23	Dark	39.000	159	Ups Car	2.9200	7200.0	78	41170	No
98	GOM_TRA_1PNPDE20100114_053114_000000412086_00034_41170_4430.N1	14-JAN-2010 05:31:14	Dark	40.500	71	lot Car	2.2460	7700.0	81	41170	No
99	GOM_TRA_1PNPDE20100114_053230_000000512086_00034_41170_4431.N1	14-JAN-2010 05:32:30	Dark	50.500	41	Eps Car	1.8600	4100.0	101	41170	No
100	GOM_TRA_1PNPDE20100114_053550_000000402086_00034_41170_4432.N1	14-JAN-2010 05:35:50	Dark	40.000	34	Gam2Vel	1.7930	23000.	80	41170	No
101	GOM_TRA_1PNPDE20100114_053759_000000432086_00034_41170_4433.N1	14-JAN-2010 05:37:59	Dark	42.500	70	Zet Pup	2.2460	39000.	85	41170	No
102	GOM_TRA_1PNPDE20100114_053941_000000432086_00034_41170_4434.N1	14-JAN-2010 05:39:41	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	41170	No
103	GOM_TRA_1PNPDE20100114_054215_000000432086_00034_41170_4435.N1	14-JAN-2010 05:42:15	Straylight	42.500	23	21Eps CMa	1.5020	26000.	85	41170	No
104	GOM_TRA_1PNPDE20100114_054341_000000412086_00034_41170_4436.N1	14-JAN-2010 05:43:41	Straylight	41.000	179	24Omi2CMa	3.0320	24000.	82	41170	No
105	GOM_TRA_1PNPDE20100114_054555_000000472086_00034_41170_4437.N1	14-JAN-2010 05:45:55	Straylight	47.000	1	9Alp CMa	-1.4400	11000.	94	41170	No
106	GOM_TRA_1PNPDE20100114_055247_000000532086_00034_41170_4438.N1	14-JAN-2010 05:52:47	Tw_i_and_stray	53.000	8	10Alp CMi	0.40000	6500.0	106	41170	No
107	GOM_TRA_1PNPDE20100114_055539_000000432086_00034_41170_4439.N1	14-JAN-2010 05:55:39	Bright	43.000	44	24Gam Gem	1.9280	11000.	86	41170	No
108	GOM_TRA_1PNPDE20100114_055722_000000462086_00034_41170_4440.N1	14-JAN-2010 05:57:22	Bright	46.000	151	13Mu Gem	2.8900	3000.0	92	41170	No
109	GOM_TRA_1PNPDE20100114_060130_000000372086_00034_41170_4441.N1	14-JAN-2010 06:01:30	Bright	37.000	107	37The Aur	2.6490	11000.	74	41170	No
110	GOM_TRA_1PNPDE20100114_060342_000000372086_00034_41170_4442.N1	14-JAN-2010 06:03:42	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41170	No
111	GOM_TRA_1PNPDE20100114_061614_000000392086_00034_41170_4443.N1	14-JAN-2010 06:16:14	Bright	38.500	49	1Alp UMi	1.9900	6300.0	77	41170	No
112	GOM_TRA_1PNPDE20100114_062015_000000352086_00034_41170_4444.N1	14-JAN-2010 06:20:15	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	41170	No
113	GOM_TRA_1PNPDE20100114_220622_000000442086_00044_41180_4522.N1	14-JAN-2010 22:06:22	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	41180	No

114	GOM_TRA_1PNPDE20100114_221359_000000402086_00044_41180_4523.N1	14-JAN-2010 22:13:59	Dark	40.000	124	The Car	2.7640	30000.	80	41180	No
115	GOM_TRA_1PNPDE20100114_221717_000000462086_00044_41180_4524.N1	14-JAN-2010 22:17:17	Dark	45.500	71	lot Car	2.2460	7700.0	91	41180	No
116	GOM_TRA_1PNPDE20100114_221833_000000442086_00044_41180_4525.N1	14-JAN-2010 22:18:33	Dark	43.500	41	Eps Car	1.8600	4100.0	87	41180	No
117	GOM_TRA_1PNPDE20100114_222153_000000412086_00044_41180_4526.N1	14-JAN-2010 22:21:53	Dark	40.500	34	Gam2Vel	1.7930	23000.	81	41180	No
118	GOM_TRA_1PNPDE20100114_222402_000000422086_00044_41180_4527.N1	14-JAN-2010 22:24:02	Dark	41.500	70	Zet Pup	2.2460	39000.	83	41180	No
119	GOM_TRA_1PNPDE20100114_222543_000000432086_00044_41180_4528.N1	14-JAN-2010 22:25:43	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	41180	No
120	GOM_TRA_1PNPDE20100114_222816_000000422086_00044_41180_4529.N1	14-JAN-2010 22:28:16	Straylight	41.500	23	21Eps CMa	1.5020	26000.	83	41180	No
121	GOM_TRA_1PNPDE20100114_222942_000000422086_00044_41180_4530.N1	14-JAN-2010 22:29:42	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	41180	No
122	GOM_TRA_1PNPDE20100114_223156_000000422086_00044_41180_4531.N1	14-JAN-2010 22:31:56	Straylight	41.500	1	9Alp CMa	-1.4400	11000.	83	41180	No
123	GOM_TRA_1PNPDE20100114_223906_000000522086_00044_41180_4532.N1	14-JAN-2010 22:39:06	Twilight_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	41180	No
124	GOM_TRA_1PNPDE20100114_224138_000000442086_00044_41180_4533.N1	14-JAN-2010 22:41:38	Bright	44.000	44	24Gam Gem	1.9280	11000.	88	41180	No
125	GOM_TRA_1PNPDE20100114_224303_000000412086_00044_41180_4534.N1	14-JAN-2010 22:43:03	Bright	40.500	176	23Zet Tau	3.0200	22000.	81	41180	No
126	GOM_TRA_1PNPDE20100114_224729_000000362086_00044_41180_4535.N1	14-JAN-2010 22:47:29	Bright	36.000	107	37The Aur	2.6490	11000.	72	41180	No
127	GOM_TRA_1PNPDE20100114_224940_000000372086_00044_41180_4536.N1	14-JAN-2010 22:49:40	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41180	No
128	GOM_TRA_1PNPDE20100114_230213_000000362086_00044_41180_4537.N1	14-JAN-2010 23:02:13	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	41180	No
129	GOM_TRA_1PNPDE20100114_230613_000000392086_00044_41180_4538.N1	14-JAN-2010 23:06:13	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	41180	No
130	GOM_TRA_1PNPDE20100114_231031_000000542086_00044_41180_4539.N1	14-JAN-2010 23:10:31	Bright	54.000	119	14Eta Dra	2.7270	4700.0	108	41180	No
131	GOM_TRA_1PNPDE20100114_231304_000000462086_00044_41180_4540.N1	14-JAN-2010 23:13:04	Bright	46.000	130	23Bet Dra	2.7990	5800.0	92	41180	No
132	GOM_TRA_1PNPDE20100114_231921_000000372086_00044_41180_4541.N1	14-JAN-2010 23:19:21	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	41180	No
133	GOM_TRA_1PNPDE20100114_232226_000000392086_00044_41180_4542.N1	14-JAN-2010 23:22:26	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	41180	No
134	GOM_TRA_1PNPDE20100114_232755_000000452086_00044_41180_4543.N1	14-JAN-2010 23:27:55	Bright	45.000	102	24Alp Ser	2.6000	4250.0	90	41180	No
135	GOM_TRA_1PNPDE20100114_233003_000000412086_00044_41180_4544.N1	14-JAN-2010 23:30:03	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	41180	No
136	GOM_TRA_1PNPDE20100114_233126_000000532086_00044_41180_4545.N1	14-JAN-2010 23:31:26	Bright	53.000	98	13Zet Oph	2.5710	30000.	106	41180	No
137	GOM_TRA_1PNPDE20100114_233342_000000502086_00044_41180_4542.N1	14-JAN-2010 23:33:42	Twilight_stray	49.500	104	27Bet Lib	2.6140	13100.	99	41180	No
138	GOM_TRA_1PNPDE20100114_233553_000000532086_00044_41180_4543.N1	14-JAN-2010 23:35:53	Twilight_stray	53.000	16	21Alp Sco	1.0200	3000.0	106	41180	No
139	GOM_TRA_1PNPDE20100114_234251_000000412086_00044_41180_4544.N1	14-JAN-2010 23:42:51	Dark	40.500	109	Bet Lup	2.6770	26000.	81	41180	No
140	GOM_TRA_1PNPDE20100114_234422_000000392086_00044_41180_4545.N1	14-JAN-2010 23:44:22	Dark	39.000	78	Alp Lup	2.3040	28000.	78	41180	No
141	GOM_TRA_1PNPDE20100114_234658_000000512086_00045_41181_4546.N1	14-JAN-2010 23:46:58	Dark	51.000	4	Alp1Cen	-0.010000	5800.0	102	41181	No
142	GOM_TRA_1PNPDE20100114_235028_000000412086_00045_41181_4547.N1	14-JAN-2010 23:50:28	Dark	41.000	20	Bet Cru	1.2530	30000.	82	41181	No
143	GOM_TRA_1PNPDE20100114_235436_000000382086_00045_41181_4548.N1	14-JAN-2010 23:54:36	Dark	37.500	124	The Car	2.7640	30000.	75	41181	No
144	GOM_TRA_1PNPDE20100114_235754_000000392086_00045_41181_4549.N1	14-JAN-2010 23:57:54	Dark	39.000	71	lot Car	2.2460	7700.0	78	41181	No
145	GOM_TRA_1PNPDE20100114_235909_000000532086_00045_41181_4550.N1	14-JAN-2010 23:59:09	Dark	52.500	41	Eps Car	1.8600	4100.0	105	41181	No

3. Plot of GOMOS spectrometers and photometers temperatures from level 1b data



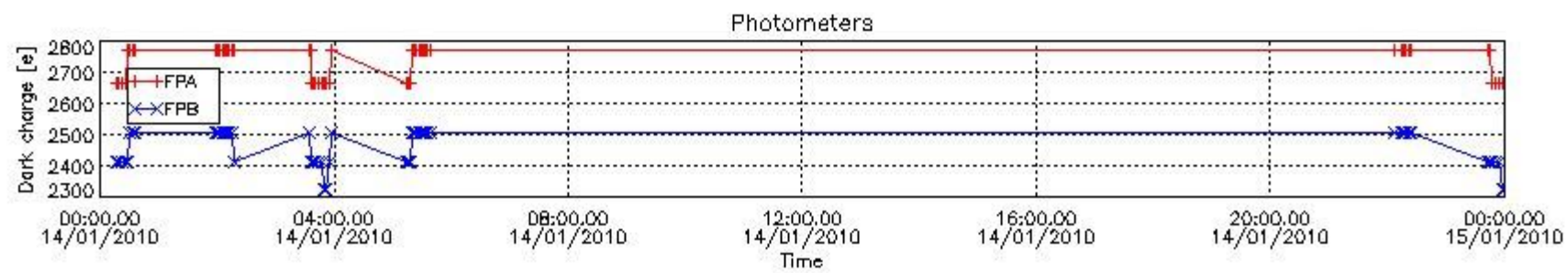
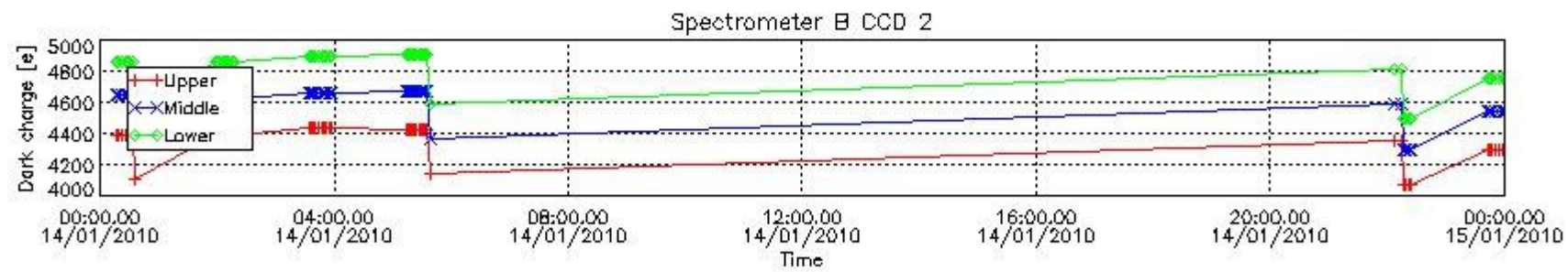
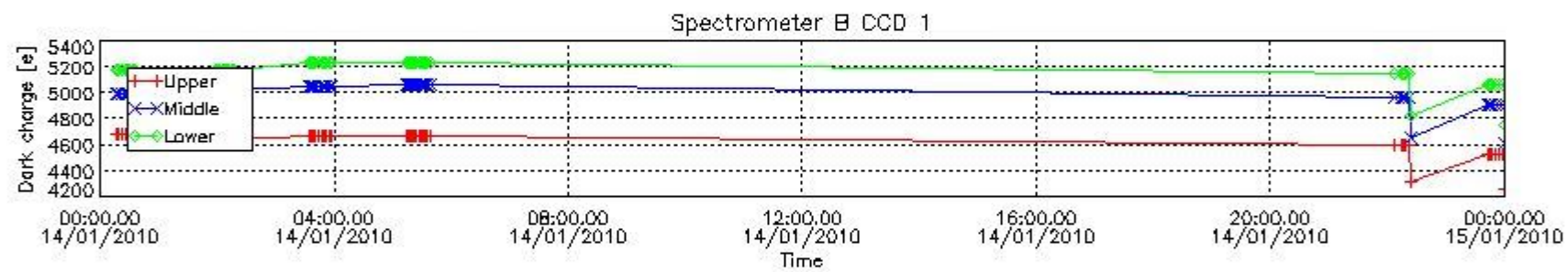
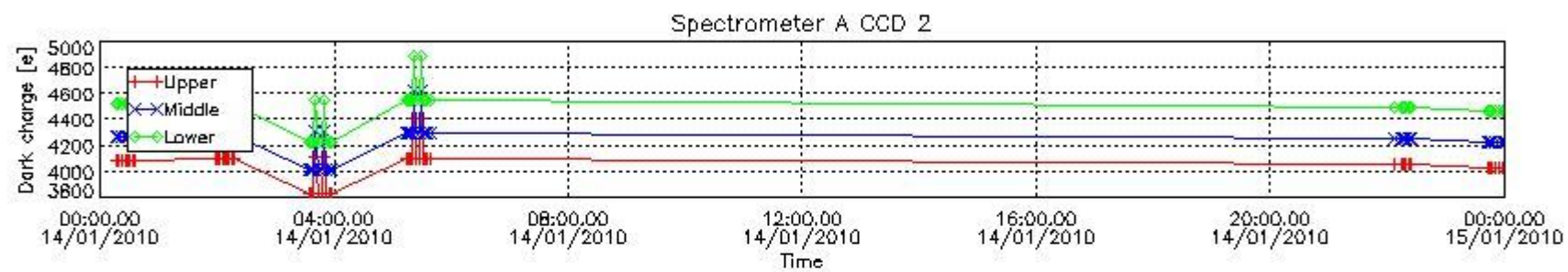
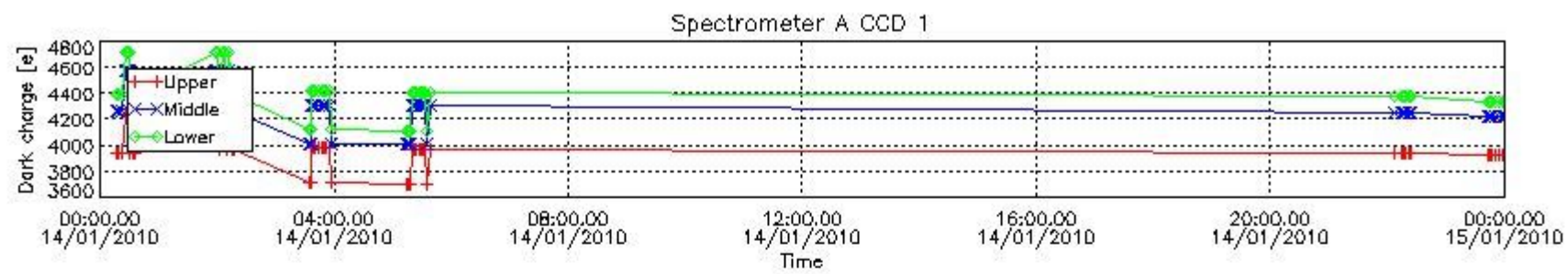
4. Overview of dark signal processing per product

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 All products used the DSA observation for the DC computation

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



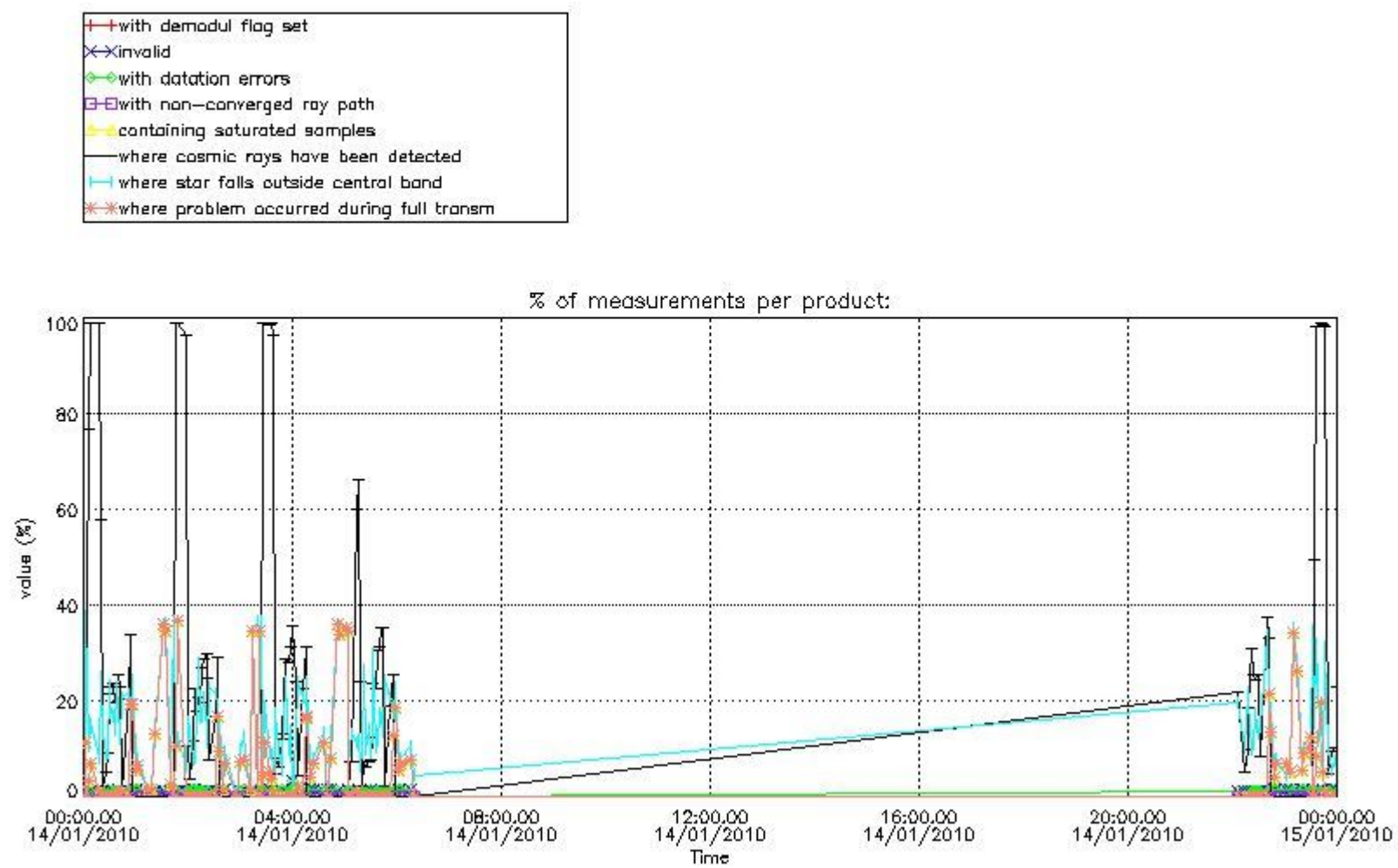
5. Demodulation flag and quality information monitoring

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.

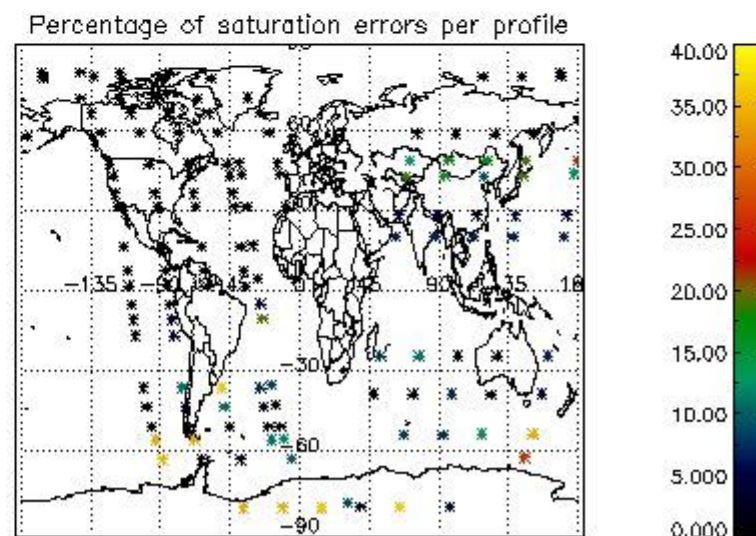
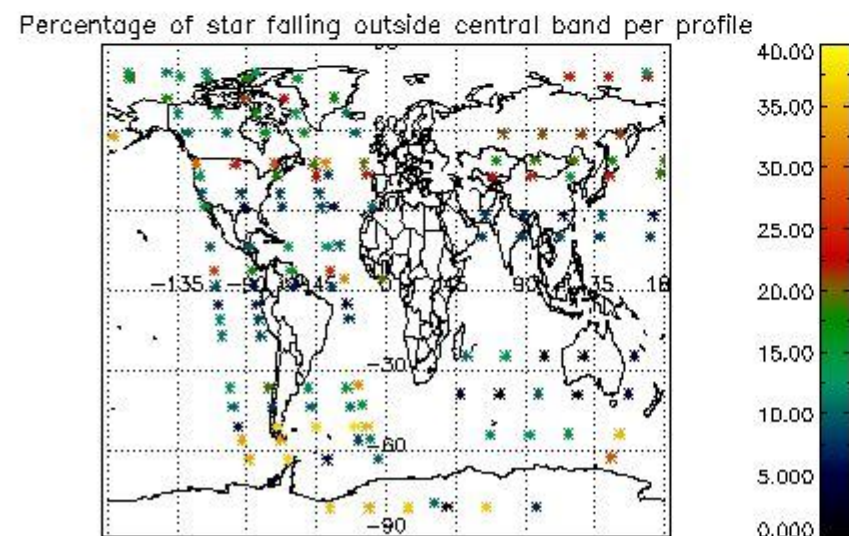
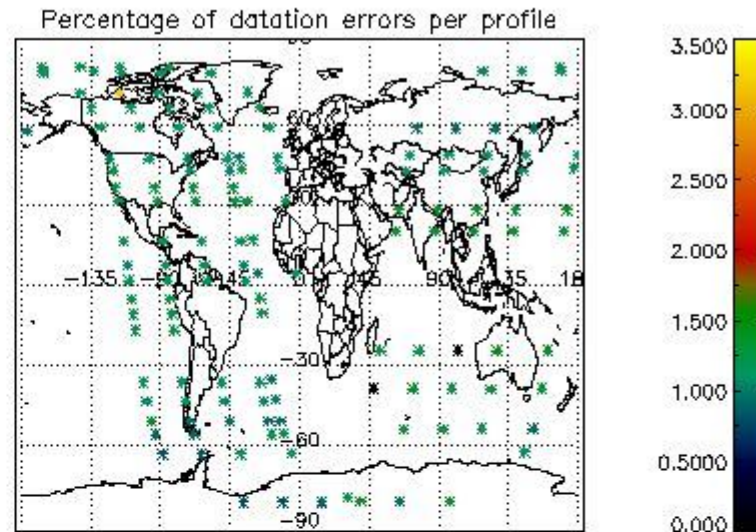
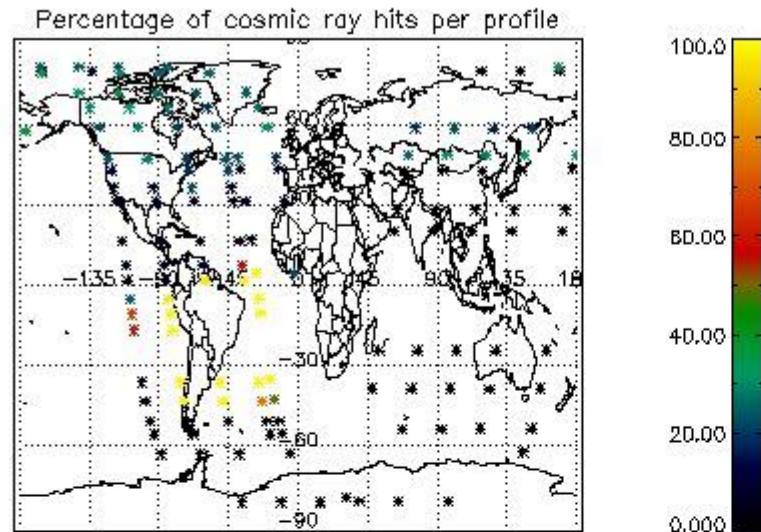
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	45.1389 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



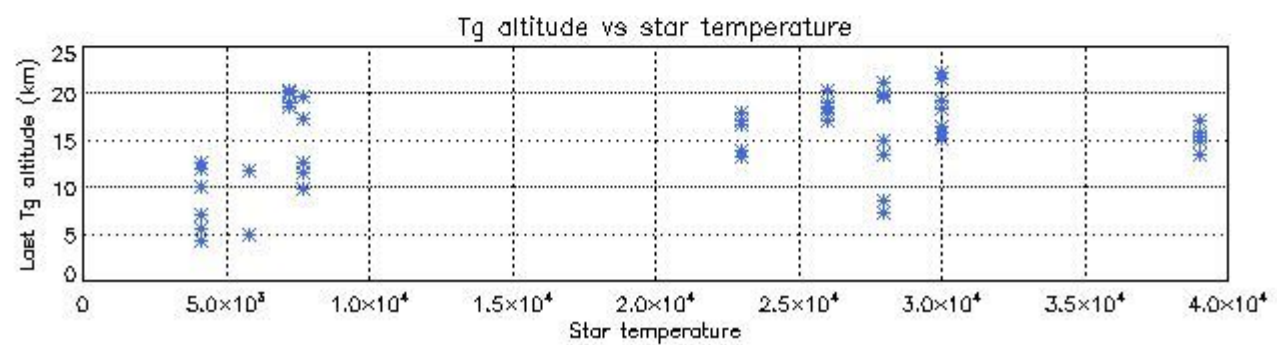
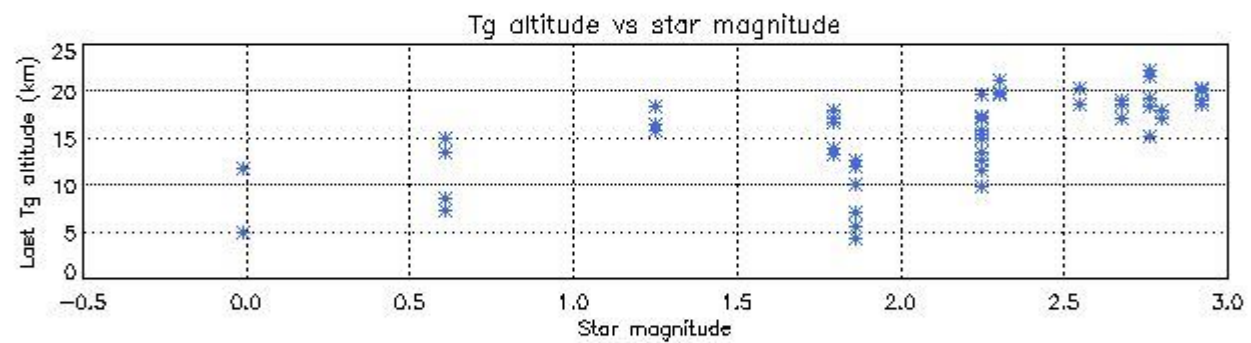
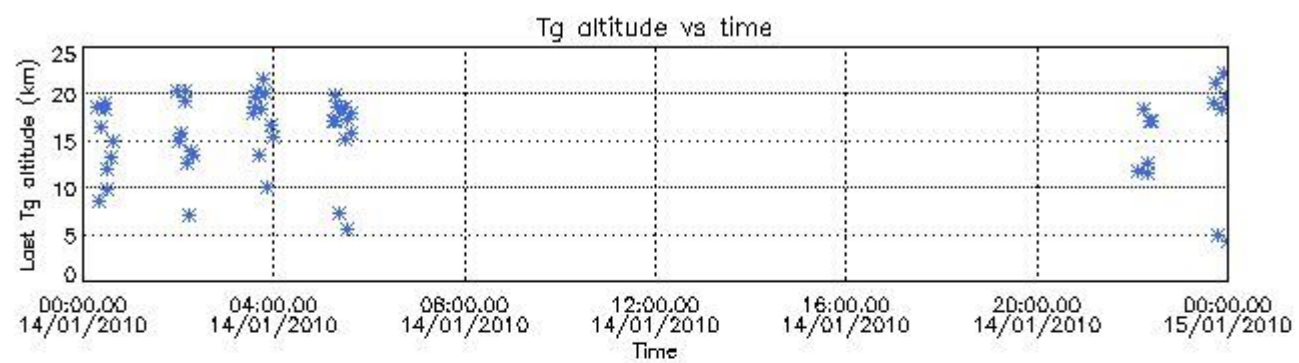
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.673	14.402	NaN
St. deviation:	4.4937	7.3690	NaN
Maximum:	22.178	27.685	NaN
Minimum:	4.2227	3.6309	NaN
Number of data:	54.000	56.000	NaN

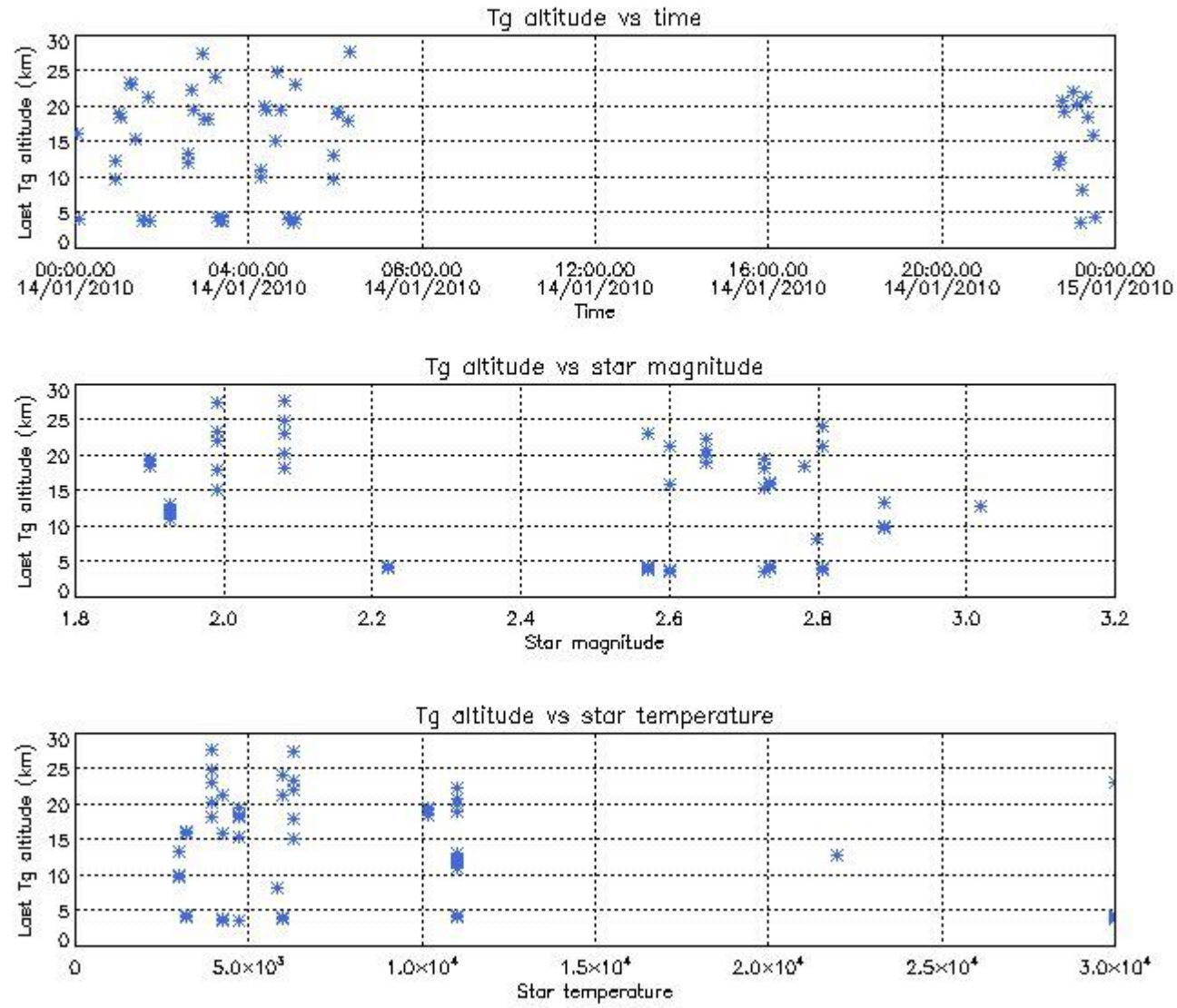
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

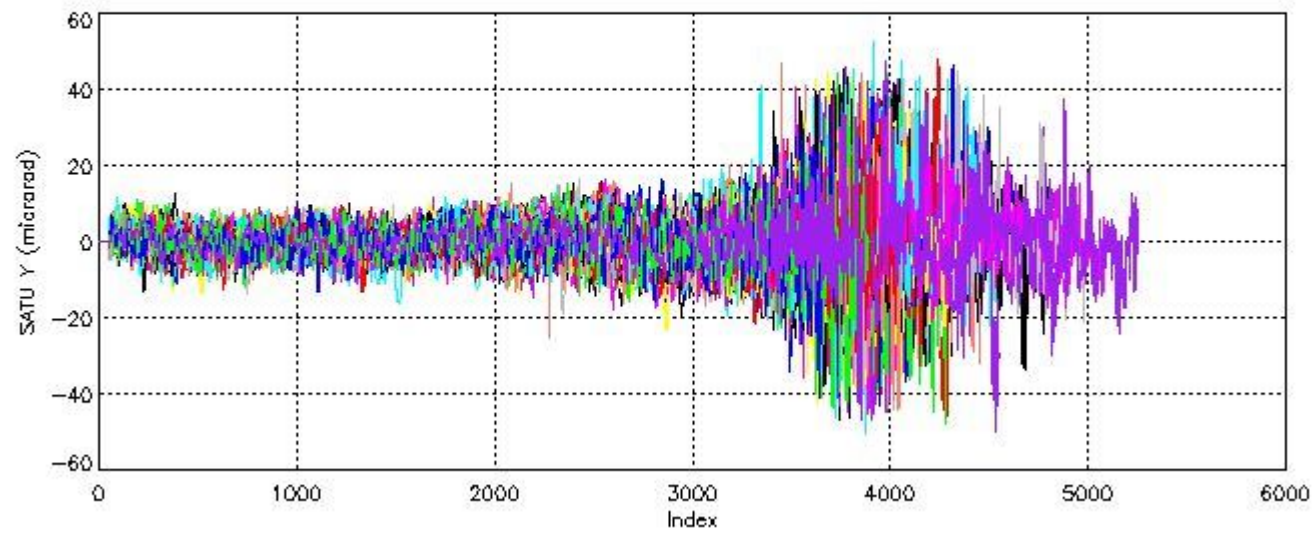
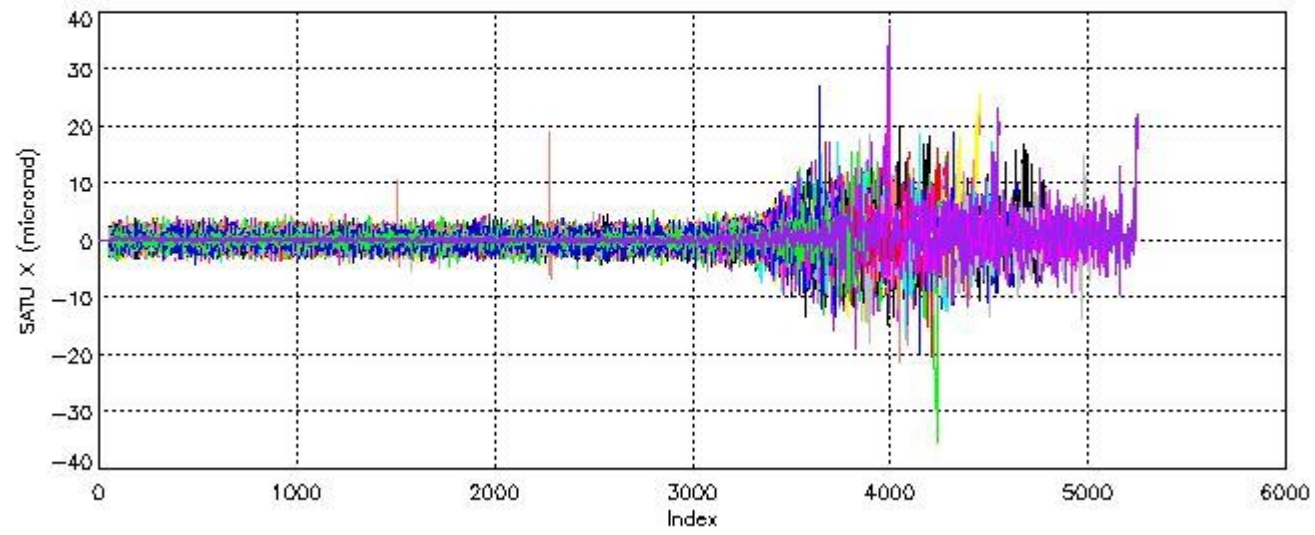


7. Star Acquisition and Tracking Unit (SATU)

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:	0.13949	0.067909	0.078925	-0.065053
St. deviation:	0.69492	2.6537	0.67682	2.6672
Maximum:	4.4000	12.700	4.4000	13.300
Minimum:	-4.1000	-13.900	-5.2000	-12.900

Number of data:	49750.	49750.	48900.	48900.
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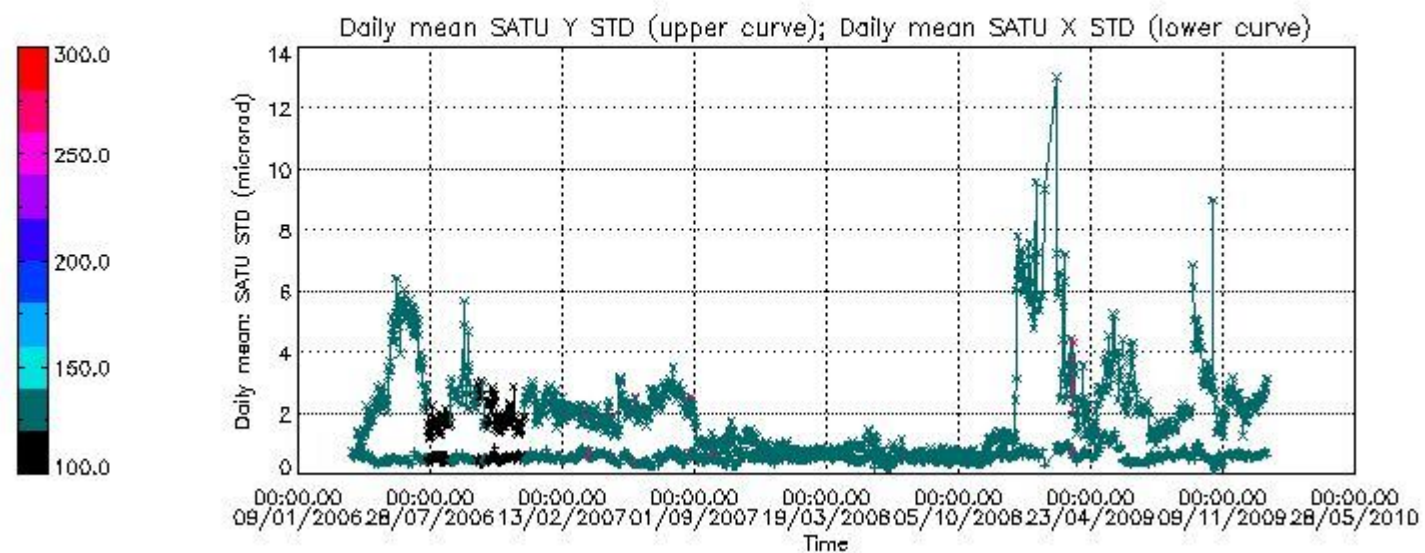
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

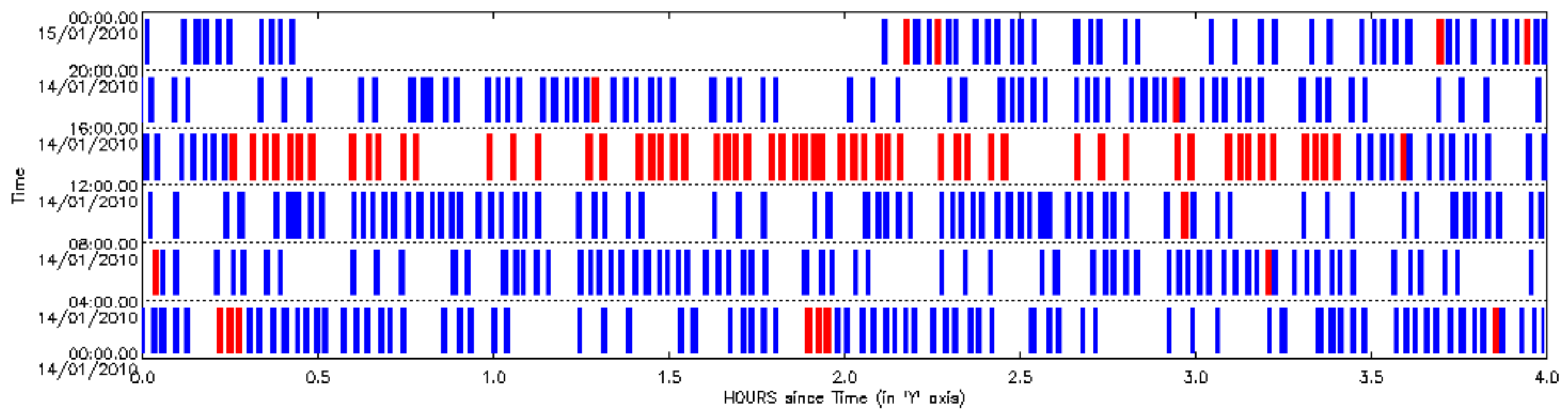
Lower curve: STD of SATU X axis

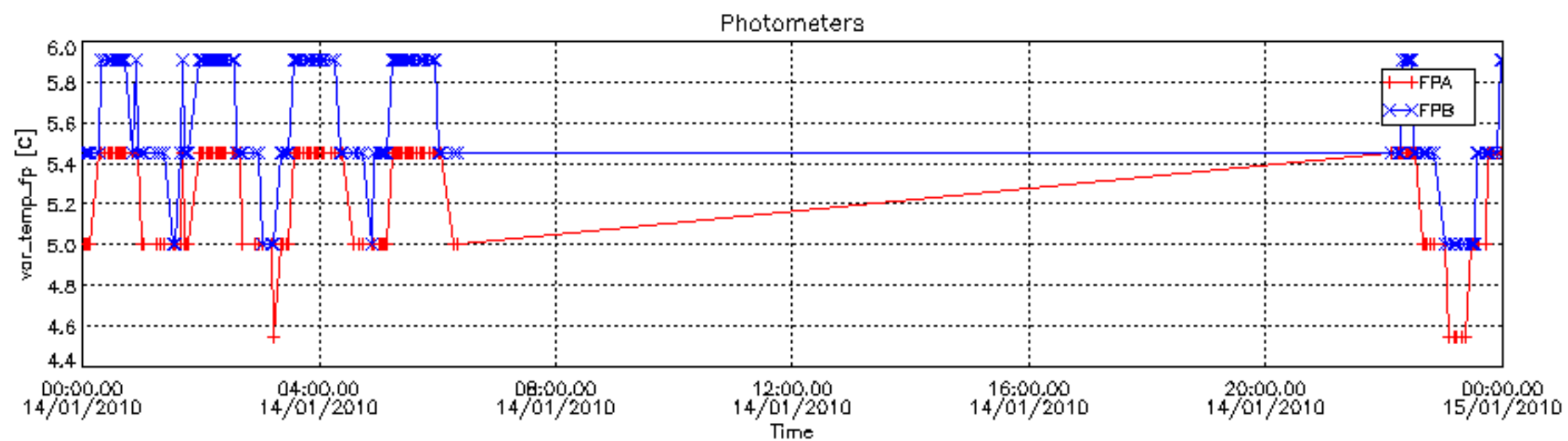
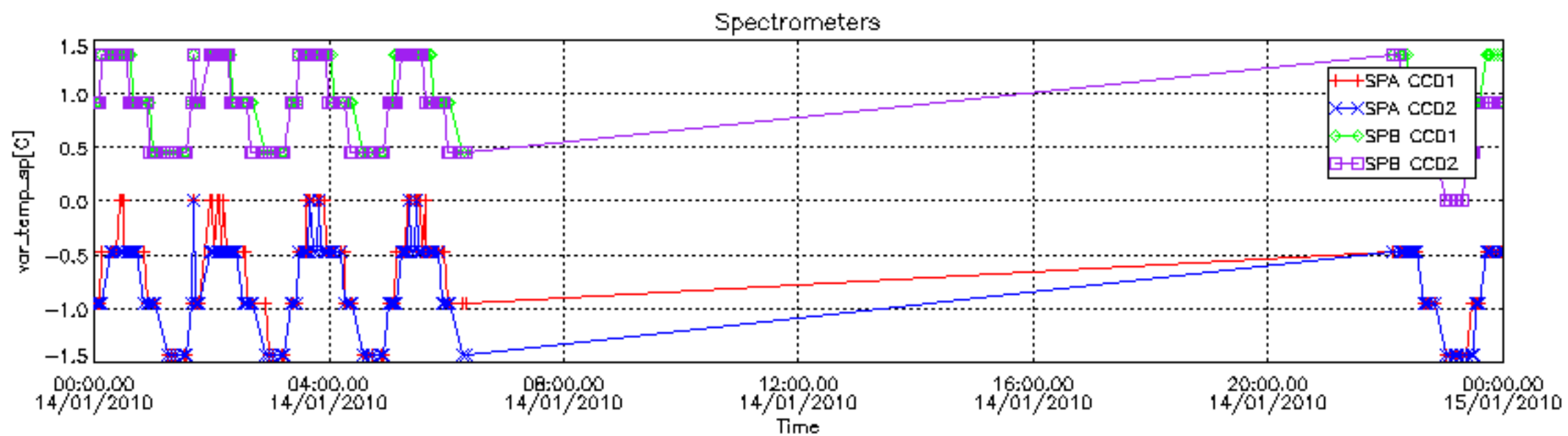


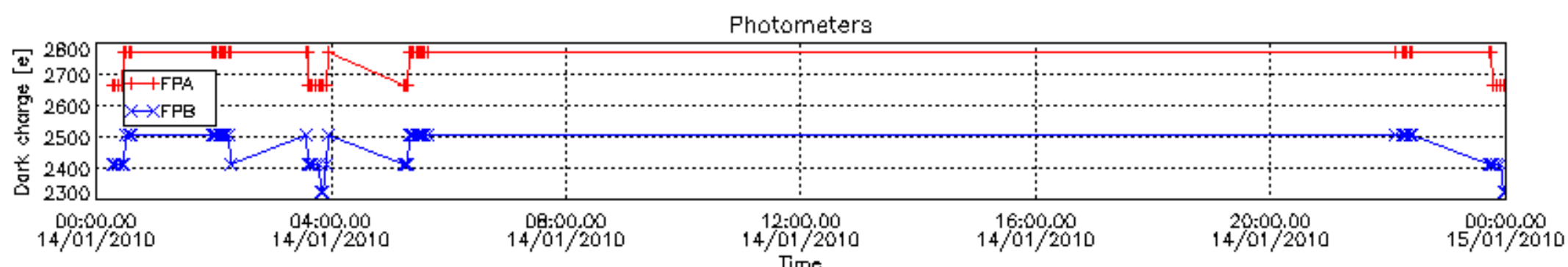
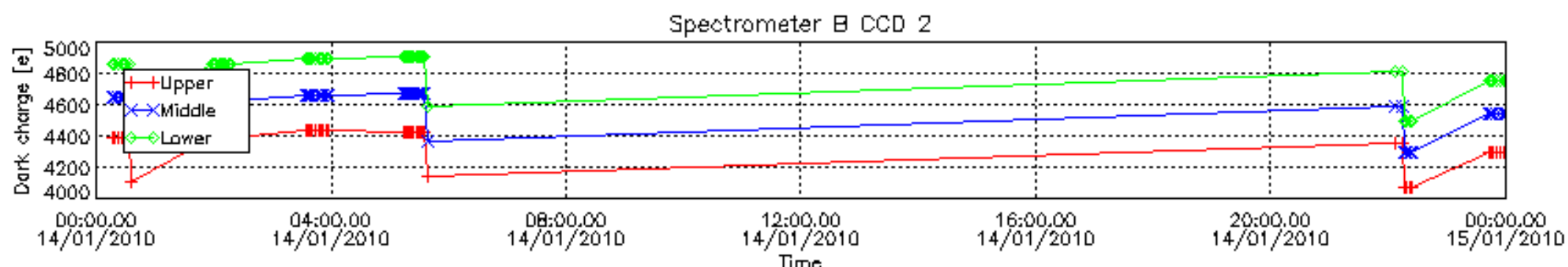
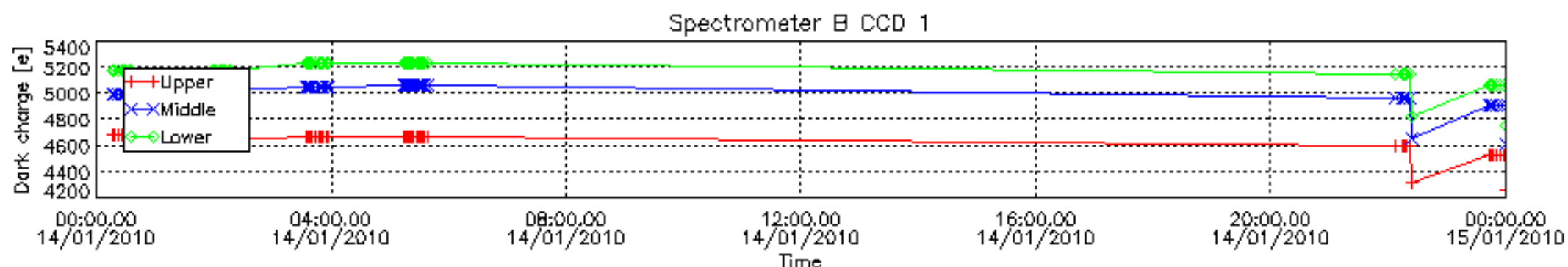
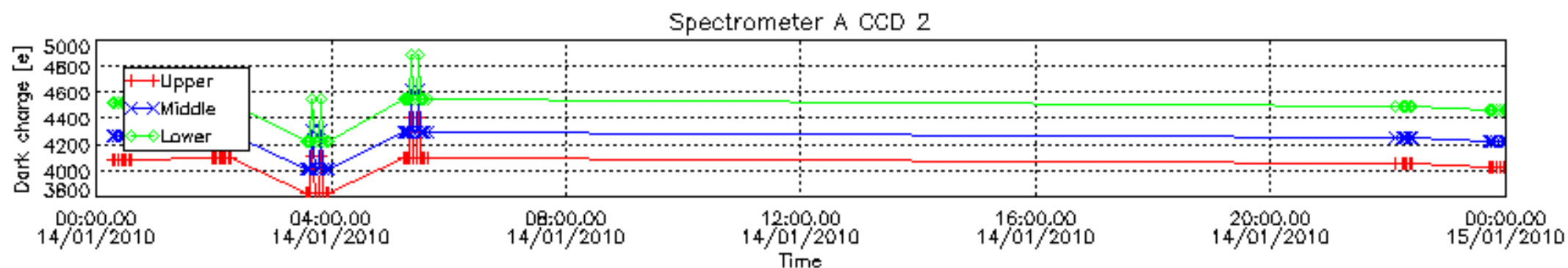
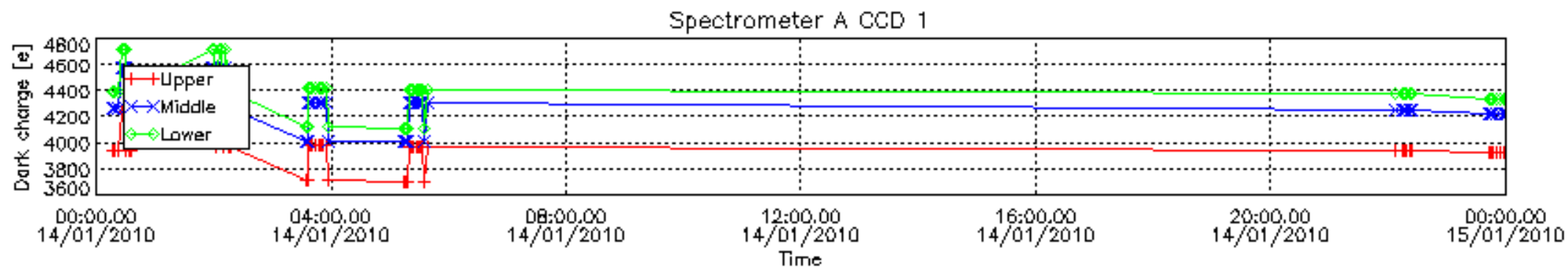
8. Auxiliary Data Files used for the production reported in section 2.4

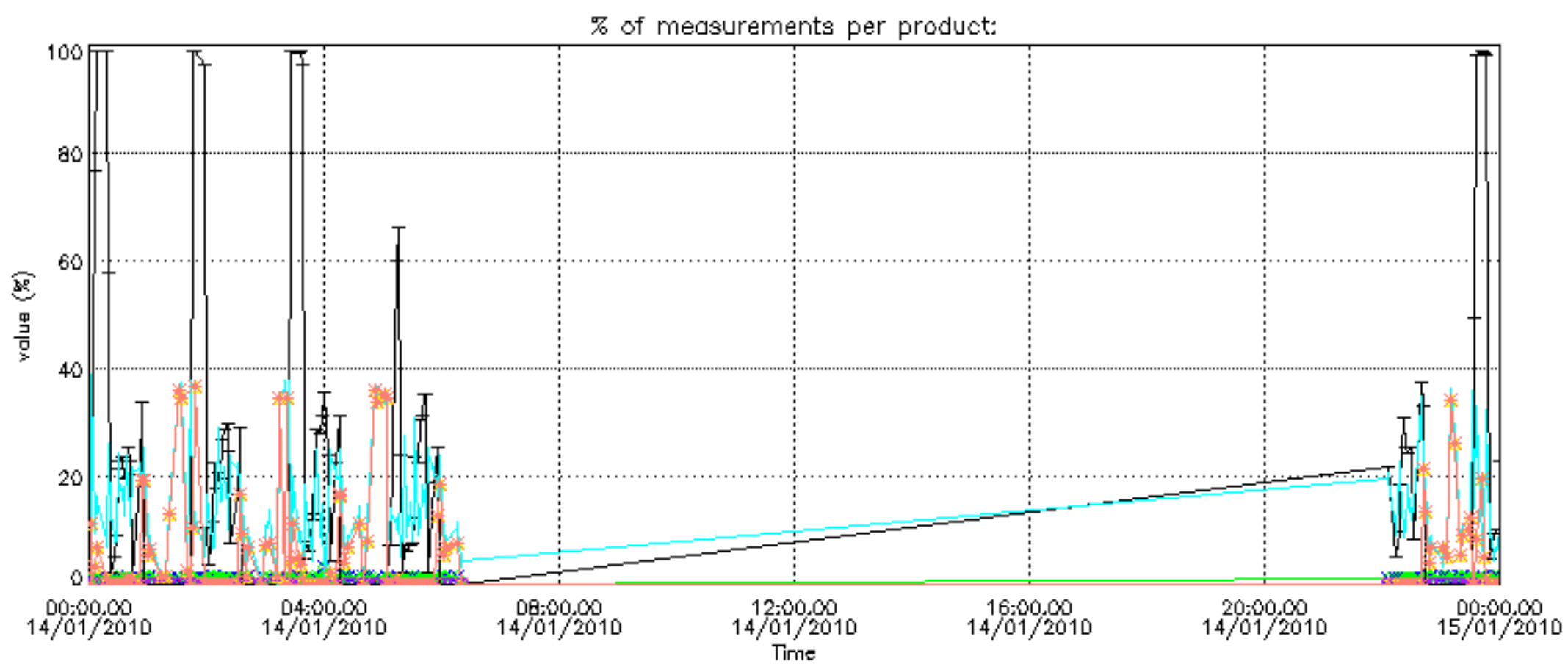
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	14-JAN-2010 00:01:34
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100112_145459_20100110_000000_20500101_000000	1	14-JAN-2010 00:01:34
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	14-JAN-2010 00:01:34
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	14-JAN-2010 00:01:34
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	14-JAN-2010 00:01:34
ECMWF_FILE	AUX_ECF_AXNECM20100113_062111_20100113_210000_20100114_090000	1	14-JAN-2010 00:01:34
ECMWF_FILE	AUX_ECA_AXNECM20100114_060110_20100113_210000_20100114_090000	81	14-JAN-2010 04:39:39
ECMWF_FILE	AUX_ECF_AXNECM20100114_062111_20100114_210000_20100115_090000	113	14-JAN-2010 22:06:22
OPTIONAL_ECMWF_FILE	MISSING	1	14-JAN-2010 00:01:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100113_221907_000060572086_00029_41165_9563.N1	1	14-JAN-2010 00:01:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100114_000004_000057382086_00030_41166_9564.N1	3	14-JAN-2010 00:05:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100114_014101_000041442086_00031_41167_9565.N1	29	14-JAN-2010 01:42:11
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100114_025524_000057382086_00032_41168_9566.N1	52	14-JAN-2010 02:59:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100114_043621_000057382086_00033_41169_9567.N1	81	14-JAN-2010 04:39:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100114_214706_000060572086_00043_41179_9569.N1	113	14-JAN-2010 22:06:22
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100114_233322_000054192086_00044_41180_9570.N1	137	14-JAN-2010 23:33:42

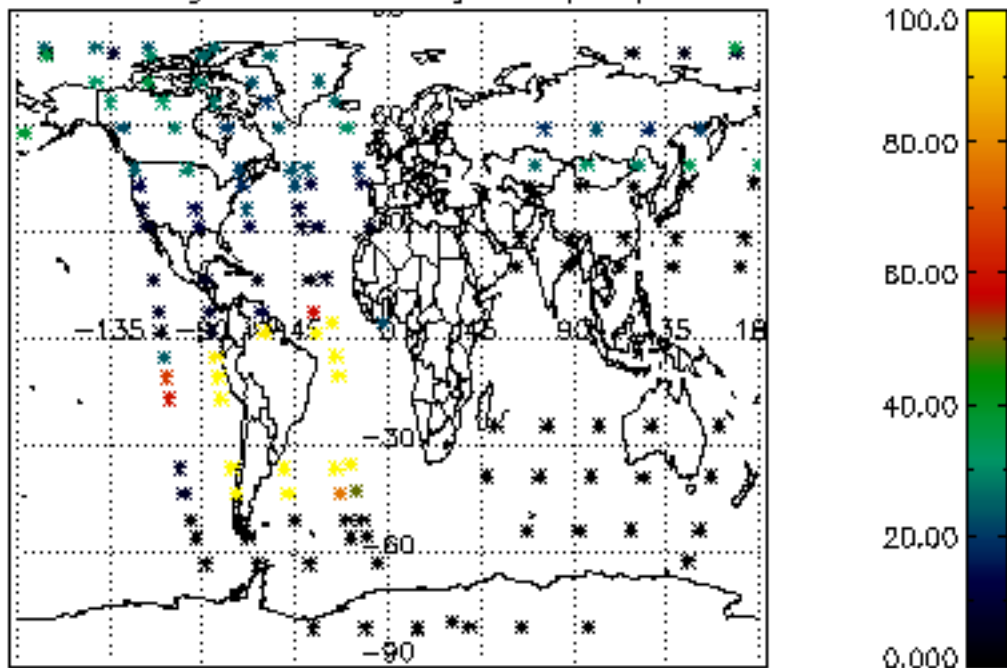




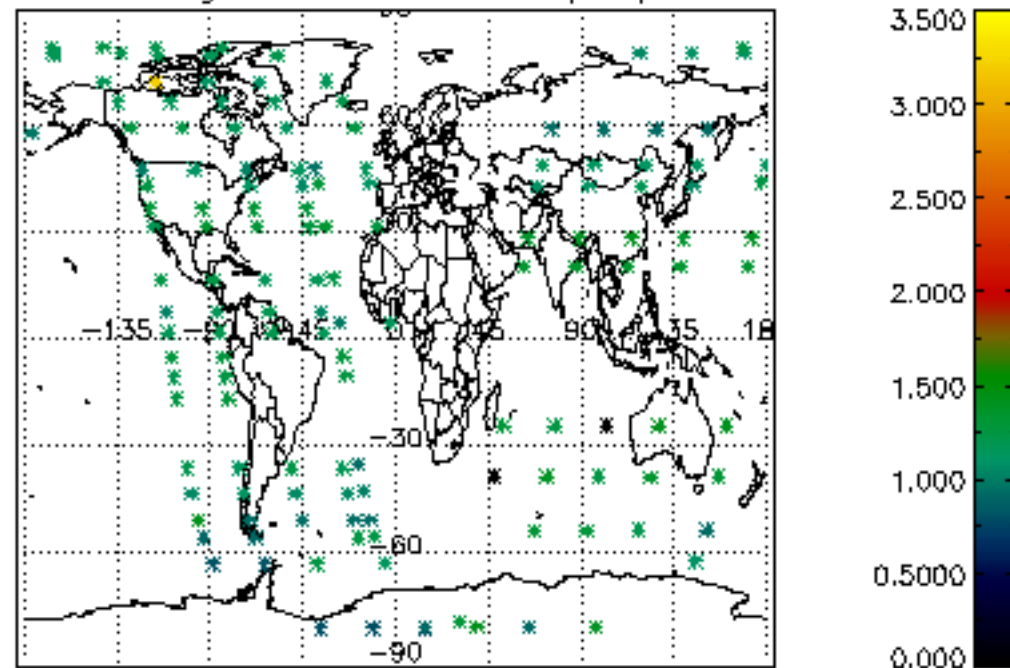




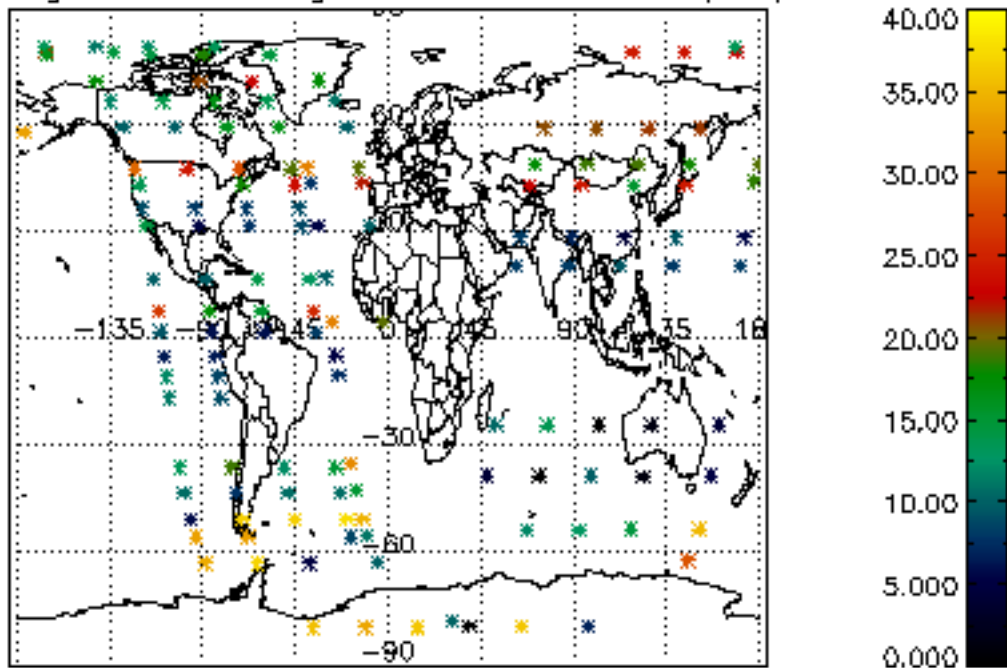
Percentage of cosmic ray hits per profile



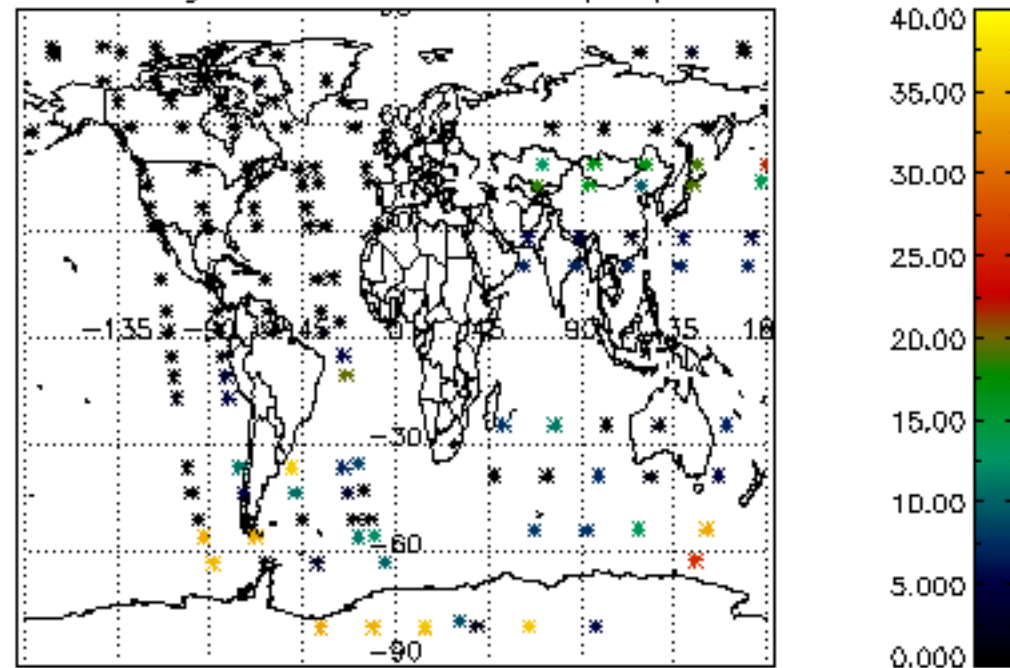
Percentage of datation errors per profile



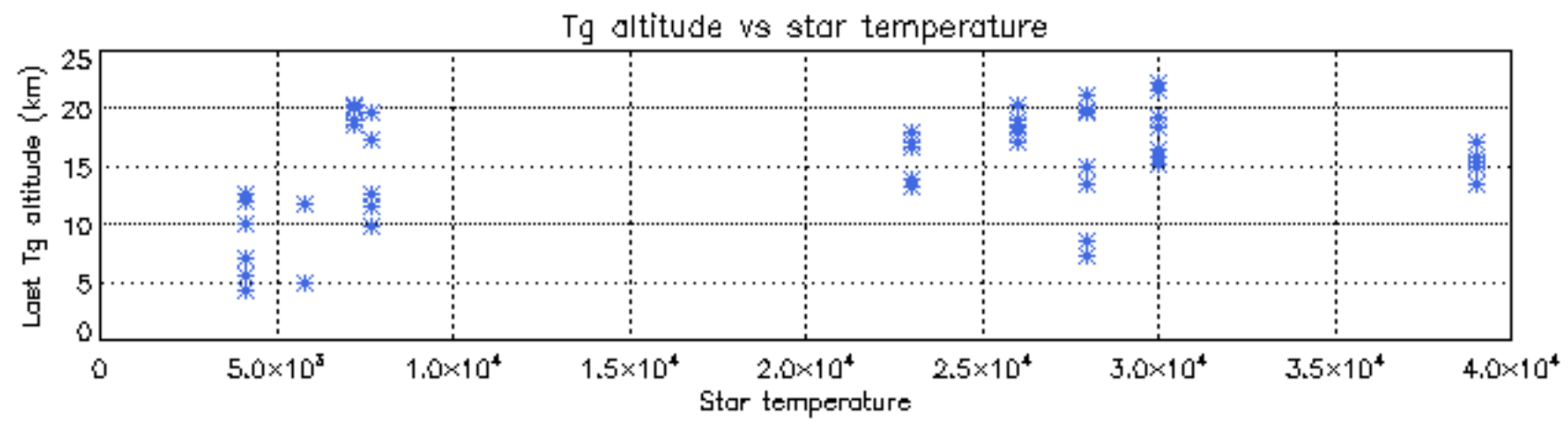
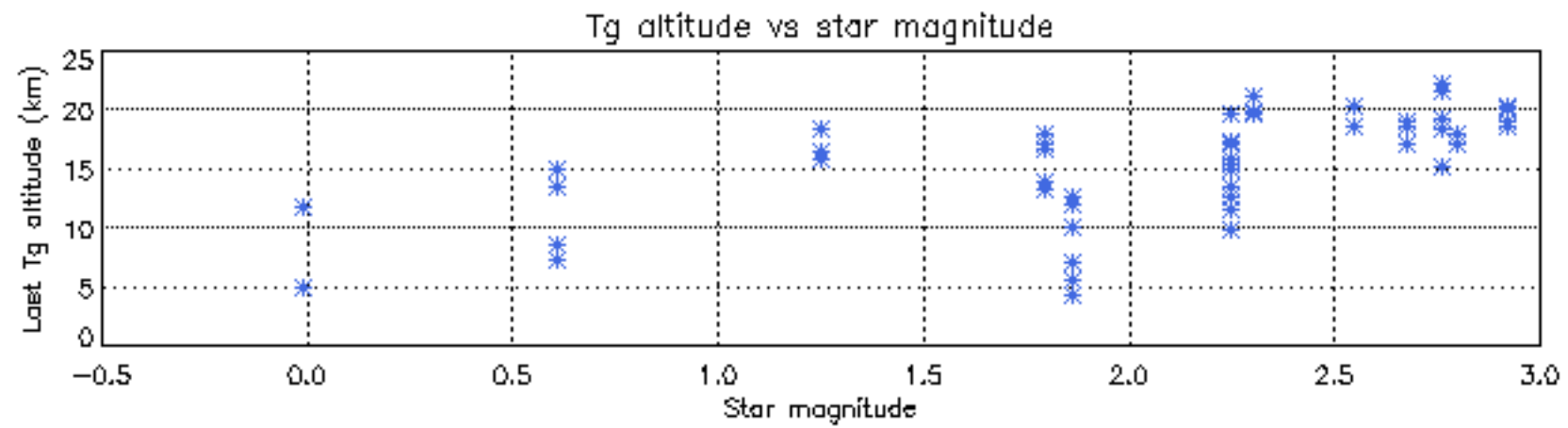
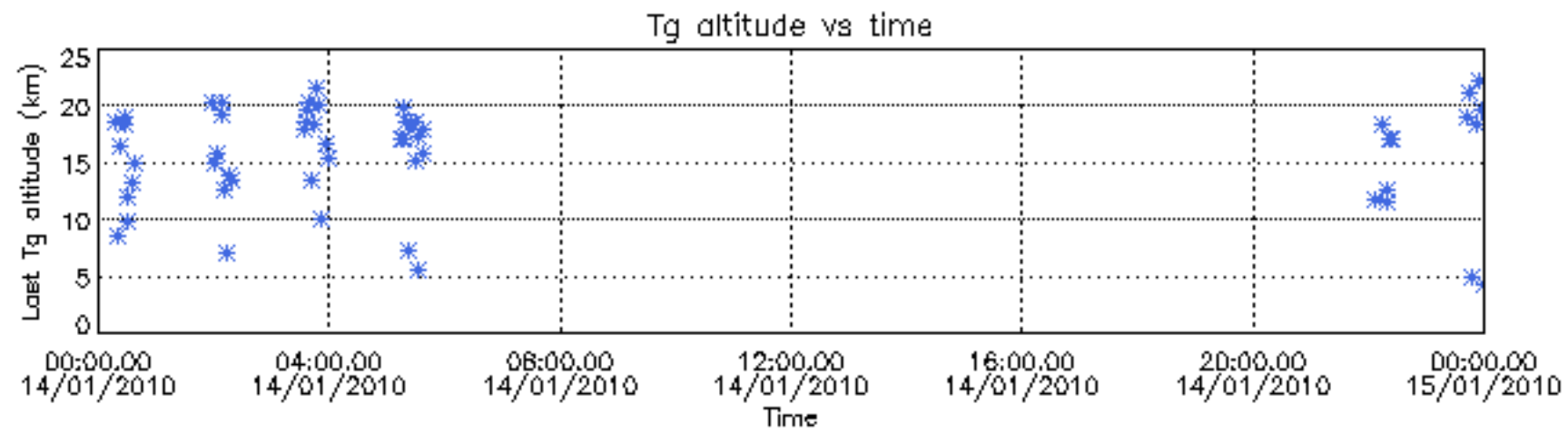
Percentage of star falling outside central band per profile



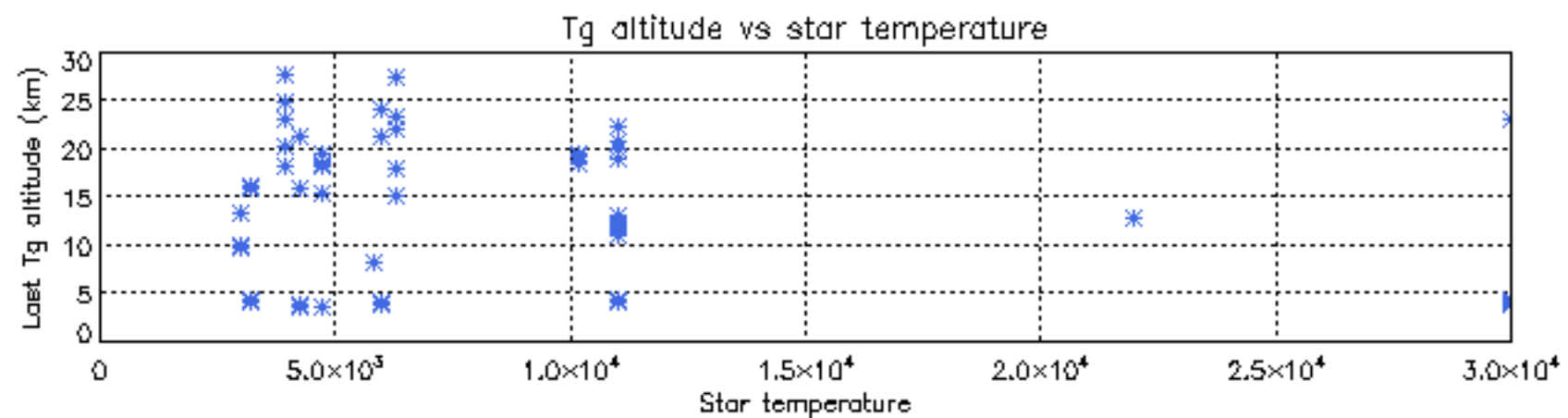
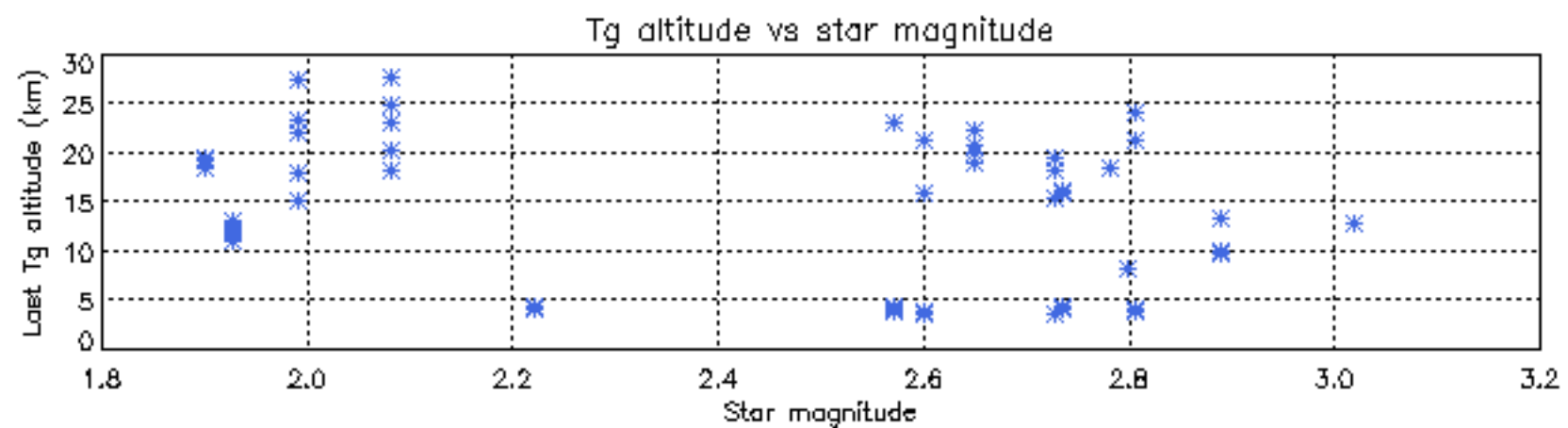
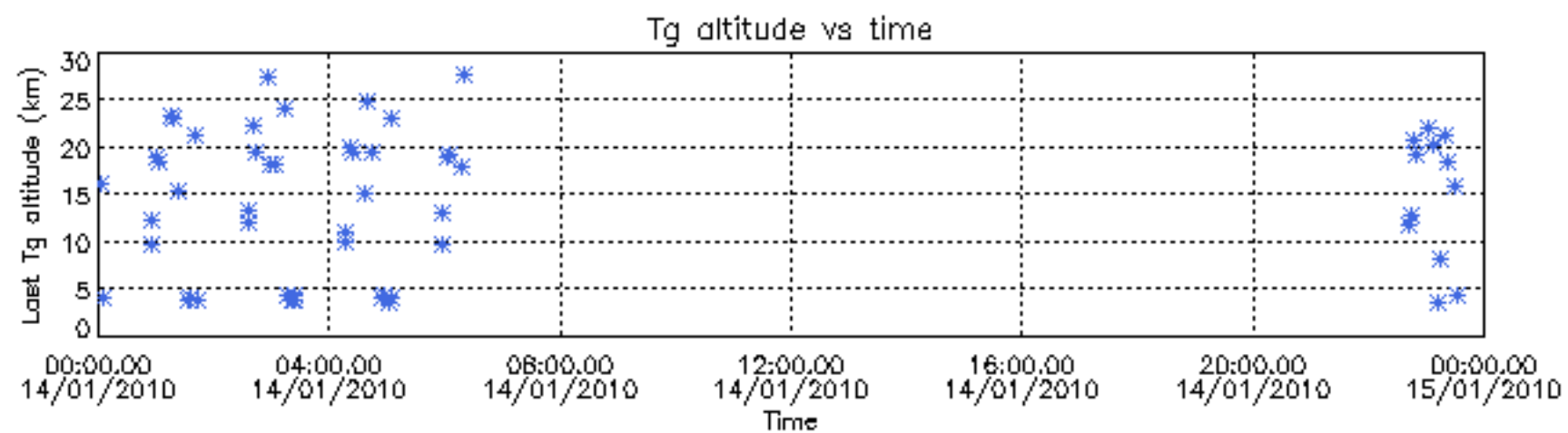
Percentage of saturation errors per profile

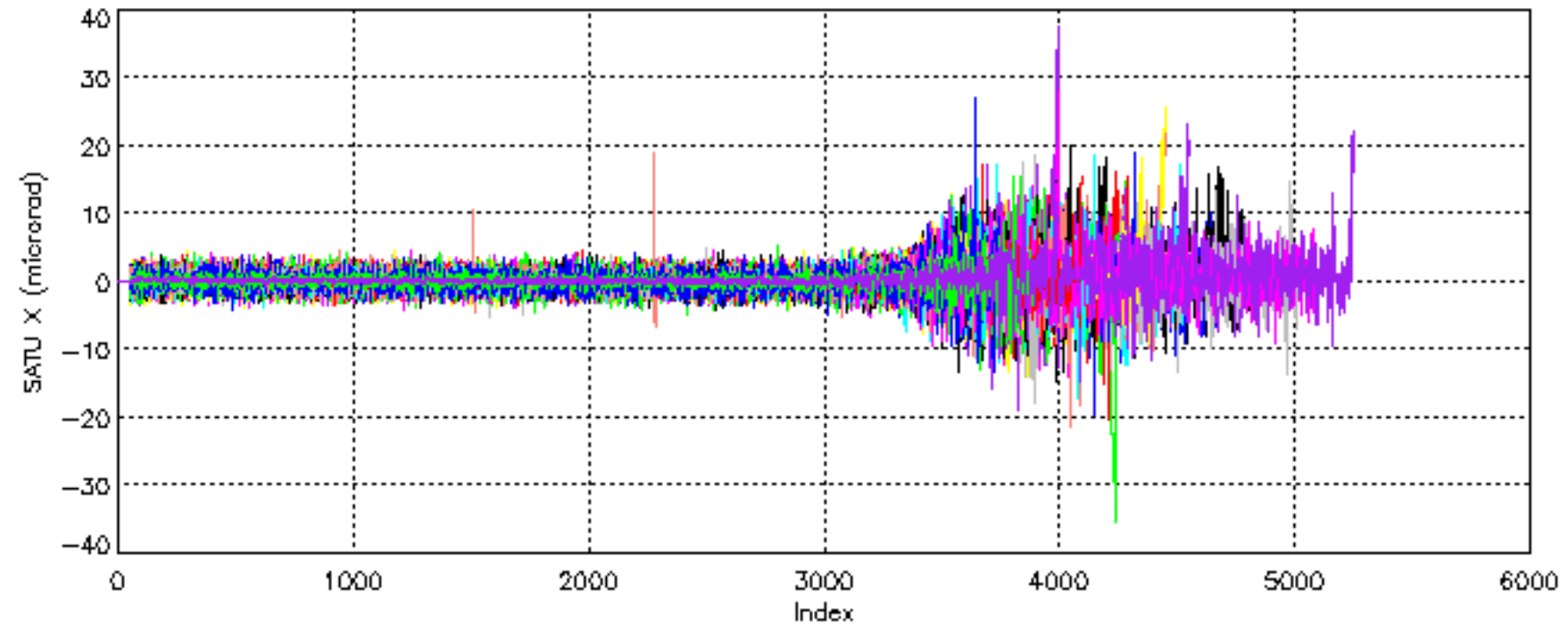


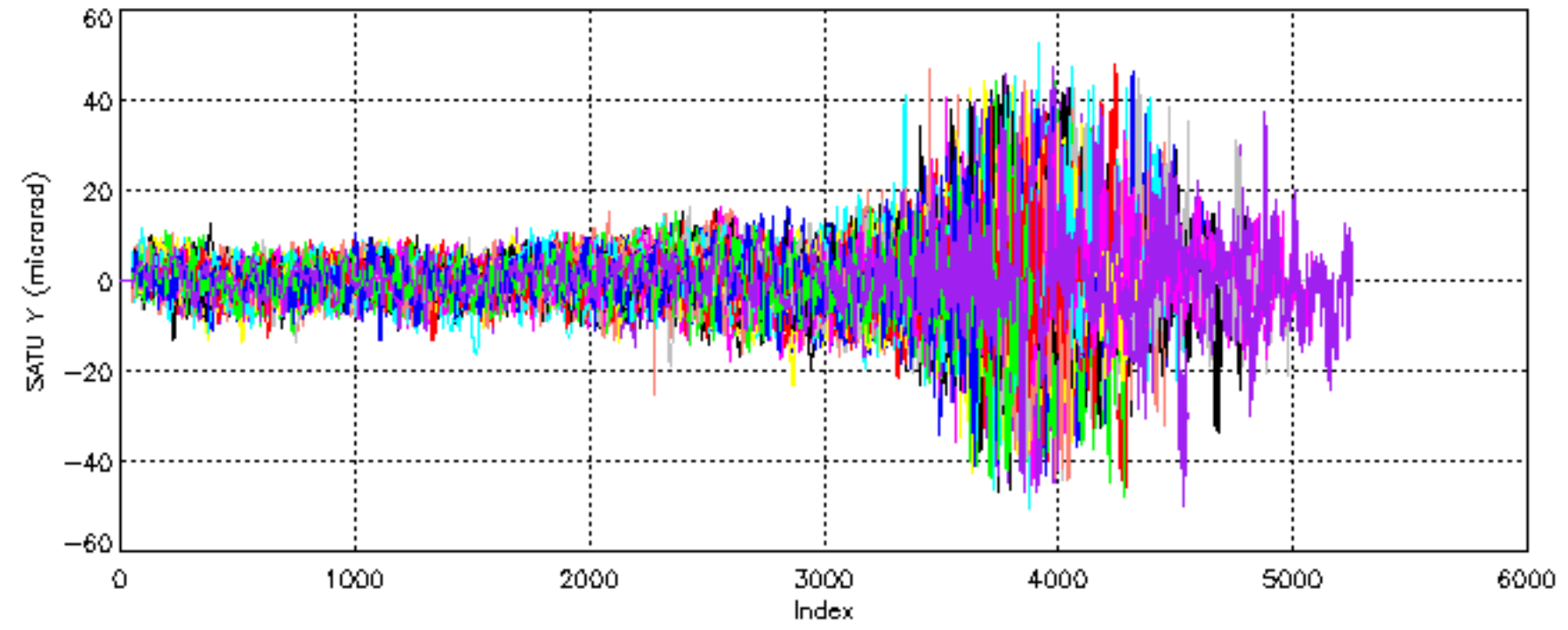
Tangent altitude at which the star is lost

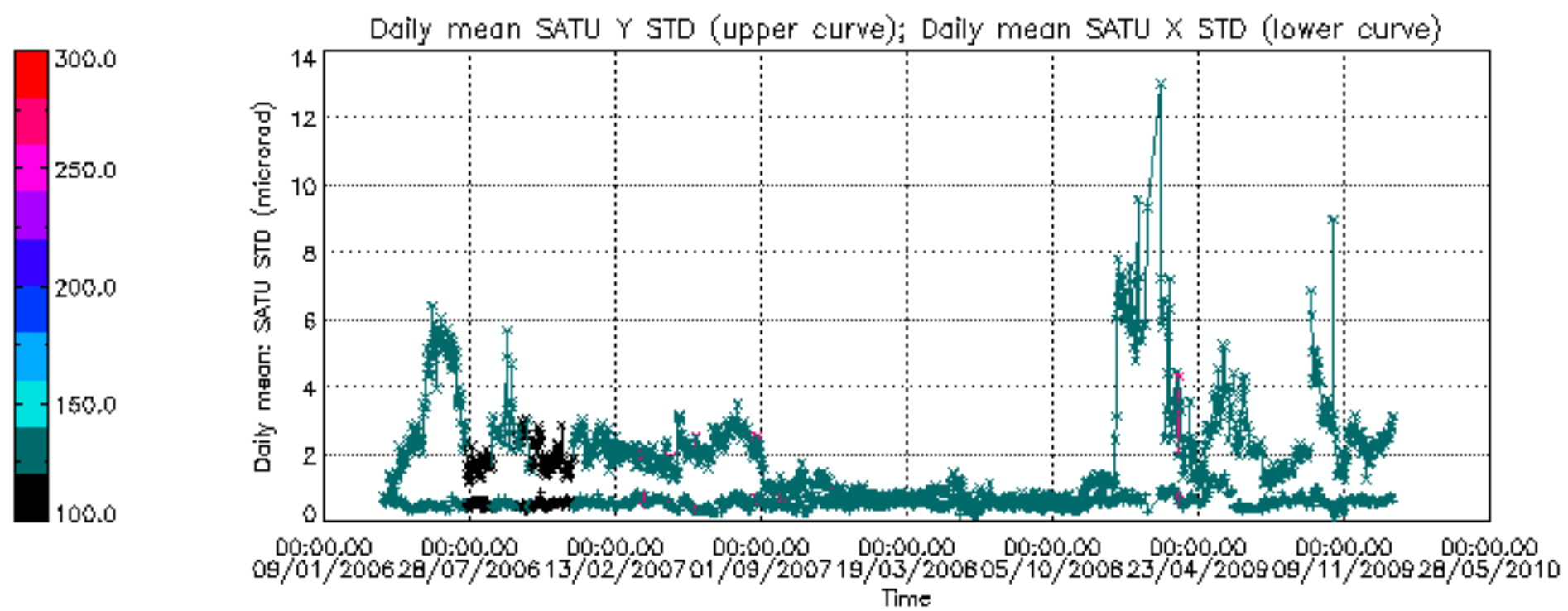


Tangent altitude at which the star is lost









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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
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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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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
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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
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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
4;	-1461.4;	01-JAN-2010	03:22:49;	Bright;	;	42.0;	83;		;	2.38;	11000;	occ;	84;	0;	40982
5;	-1264.5;	01-JAN-2010	03:26:06;	Bright;	;	53.5;	3;	16Alp Boo	;	-0.05;	4250;	occ;	107;	0;	40982
6;	-1145.0;	01-JAN-2010	03:28:05;	Bright;	;	35.0;	102;	24Alp Ser	;	2.60;	4250;	occ;	70;	0;	40982
7;	-841.1;	01-JAN-2010	03:33:09;	Bright;	;	45.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	90;	0;	40982
8;	-681.3;	01-JAN-2010	03:35:49;	Dark	;	44.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	89;	0;	40982
9;	-267.8;	01-JAN-2010	03:42:43;	Dark	;	47.5;	54;	5The Cen	;	2.06;	4500;	occ;	95;	0;	40982
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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15; 631.6; 01-JAN-2010 03:57:42; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;40983
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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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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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21;	3899.8;	03-JAN-2010	00:27:45;	Bright;	;	49.0;	32;	77Eps UMA	;	1.76;	11000;occ;	98;	0;41009
22;	4103.0;	03-JAN-2010	00:31:08;	Bright;	;	45.5;	39;	85Eta UMA	;	1.85;	24000;occ;	91;	0;41009
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2;	-2131.5;	02-JAN-2010	06:01:14;	Bright;	;	44.0;	32;	77Eps UMA	;	1.76;	11000;occ;	88;	0;40998
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4;	-1682.5;	02-JAN-2010	06:08:43;	Bright;	;	63.0;	180;	27Gam Boo	;	3.04;	8000;occ;	126;	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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11;	-92.2;	02-JAN-2010	06:35:13;	Dark	;	40.0;	95;	Zet Cen	;	2.55;	26000;occ;	80;	0;40998
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6; 2692.4; 03-JAN-2010 13:32:24; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;41017
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9; 3959.1; 03-JAN-2010 13:53:31; Bright; 67.0; 55; 79Zet UMa ; 2.06; 10200;occ; 134; 0;41017
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13; 4787.2; 03-JAN-2010 14:07:19; Bright; 52.0; 3; 16Alp Boo ;-0.05; 4250;occ; 104; 0;41017
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 5; 2217.9; 03-JAN-2010 15:05:06; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;41018
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21; 5796.5; 03-JAN-2010 19:25:56; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;41020
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13; 1351.8; 04-JAN-2010 00:54:15; Dark ; 43.5; 23; 21Eps CMa ; 1.50; 26000;occ; 87; 0;41024
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 27; 7479.7; 04-JAN-2010 09:18:47; Dark ; 43.5; 179; 24Omi2CMa ; 3.03; 24000;occ; 87; 0;41028
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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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26; 7389.4; 04-JAN-2010 10:57:53; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;41029
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23; 7108.3; 04-JAN-2010 12:33:48; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;41030
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25; 7389.9; 04-JAN-2010 12:38:29; Dark ; 45.0; 23; 21Eps CMa ; 1.50; 26000;occ; 90; 0;41030
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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
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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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 24; 7120.6; 06-JAN-2010 09:50:10; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;41057
 25; 7234.6; 06-JAN-2010 09:52:04; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;41057
 26; 7396.5; 06-JAN-2010 09:54:46; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;41057
 27; 7485.9; 06-JAN-2010 09:56:15; Dark ; 42.5; 179; 240mi2CMa ; 3.03; 24000;occ; 85; 0;41057
 28; 7627.0; 06-JAN-2010 09:58:36; Dark ; 49.0; 1; 9Alp CMa ; -1.44; 11000;occ; 98; 0;41057

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11; 4591.7; 06-JAN-2010 10:48:37; Bright; 64.0; 83; ; 2.38; 11000;occ; 128; 0;41058
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22; 6821.3; 06-JAN-2010 11:25:47; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;41058
23; 6990.2; 06-JAN-2010 11:28:35; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;41058
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26; 7396.9; 06-JAN-2010 11:35:22; Dark ; 44.0; 23; 21Eps CMa ; 1.50; 26000;occ; 88; 0;41058
27; 7485.9; 06-JAN-2010 11:36:51; Dark ; 42.5; 179; 240mi2CMa ; 3.03; 24000;occ; 85; 0;41058

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3; 2030.9; 06-JAN-2010 11:46:32; Dark ; 50.0; 14; 58Alp Ori ; 0.87; 3000;occ; 100; 0;41059
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12; 4592.0; 06-JAN-2010 12:29:13; Bright; 51.0; 83; ; 2.38; 11000;occ; 102; 0;41059
13; 4916.4; 06-JAN-2010 12:34:38; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;41059
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27; 7397.0; 06-JAN-2010 13:15:58; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;41059
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7; 2684.0; 06-JAN-2010 13:38:01; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;41060
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9; 3924.5; 06-JAN-2010 13:58:42; Bright; 35.5; 119; 14Eta Dra ; 2.73; 4700;occ; 71; 0;41060
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 23; 6822.4; 06-JAN-2010 14:46:59; Dark ; 47.0; 46; Del Vel ; 1.95; 10600;occ; 94; 0;41060
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 27; 7397.4; 06-JAN-2010 14:56:34; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;41060
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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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 13; 4917.1; 06-JAN-2010 15:55:50; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;41061
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 13; 4355.0; 06-JAN-2010 17:27:04; Bright; 66.0; 180; 27Gam Boo ; 3.04; 8000;occ; 132; 0;41062
 14; 4592.9; 06-JAN-2010 17:31:02; Bright; 66.0; 83; ; 2.38; 11000;occ; 132; 0;41062
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 17; 5407.3; 06-JAN-2010 17:44:36; Dark ; 48.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 96; 0;41062
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 19; 5986.1; 06-JAN-2010 17:54:15; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;41062
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 22; 6322.5; 06-JAN-2010 17:59:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41062
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13; 3681.7; 06-JAN-2010 18:56:27; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;41063
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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
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9;	1094.2;	07-JAN-2010	22:43:30;	Dark	;	43.5;	70;	Zet Pup	;	2.25;	39000;occ;	87;	0;	41080
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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
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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
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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
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11;	963.8;	08-JAN-2010	00:21:55;	Dark	;	43.0;	34;	Gam2Vel	;	1.79;	23000;occ;	86;	0;	41081
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13;	1206.1;	08-JAN-2010	00:25:58;	Dark	;	46.0;	117;	Pi Pup	;	2.71;	3800;occ;	92;	0;	41081
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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
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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
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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
9;	4355.1;	07-JAN-2010	08:32:27;	Bright;	;	43.5;	180;	27Gam Boo	;	3.04;	8000;occ;	87;	0;	41071
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 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; 4595.4; 07-JAN-2010 11:57:40; Bright; 67.0; 83; ; 2.38; 11000;occ; 134; 0;41073
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13; 4772.1; 25-JAN-2010 09:13:53; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;41329
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24; 6711.9; 25-JAN-2010 09:46:13; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41329
25; 7216.6; 25-JAN-2010 09:54:38; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41329
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25; 6827.4; 25-JAN-2010 14:49:56; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41332
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4; 178.6; 29-JAN-2010 22:36:51; Dark ; 41.0; 4; Alp1Cen ; -0.01; 5800;occ; 82; 0;41395
5; 287.3; 29-JAN-2010 22:38:40; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41395
6; 454.0; 29-JAN-2010 22:41:26; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;41395
7; 567.4; 29-JAN-2010 22:43:20; Dark ; 47.0; 99; Del Cen ; 2.58; 26000;occ; 94; 0;41395
8; 698.6; 29-JAN-2010 22:45:31; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41395
9; 813.5; 29-JAN-2010 22:47:26; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;41395
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11; 1072.1; 29-JAN-2010 22:51:44; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41395
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21; 4483.0; 29-JAN-2010 23:48:35; Bright; 42.0; 133; 40Zet Her ; 2.81; 6000;occ; 84; 0;41395
22; 4789.1; 29-JAN-2010 23:53:41; Bright; 36.0; 59; 55Alp Oph ; 2.08; 8900;occ; 72; 0;41395
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9; 4299.4; 29-JAN-2010 10:20:44; Bright; 33.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 67; 0;41387
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11; 4787.0; 29-JAN-2010 10:28:52; Bright; 54.0; 59; 55Alp Oph ; 2.08; 8900;occ; 108; 0;41387
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11; 4087.0; 30-JAN-2010 19:49:10; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;41407
12; 4302.5; 30-JAN-2010 19:52:46; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;41407
13; 4484.8; 30-JAN-2010 19:55:48; Bright; 43.0; 133; 40Zet Her ; 2.81; 6000;occ; 86; 0;41407
14; 4792.6; 30-JAN-2010 20:00:56; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;41407
15; 4920.1; 30-JAN-2010 20:03:03; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;41407
16; 5305.5; 30-JAN-2010 20:09:29; Dark ; 43.5; 86; 35Eta Oph ; 2.43; 10200;occ; 87; 0;41407
17; 5560.7; 30-JAN-2010 20:13:44; Dark ; 49.0; 16; 21Alp Sco ; 1.02; 3000;occ; 98; 0;41407
18; 5906.2; 30-JAN-2010 20:19:30; Dark ; 43.0; 131; Gam Lup ; 2.80; 26000;occ; 86; 0;41407
19; 6037.8; 30-JAN-2010 20:21:41; Dark ; 45.0; 109; Bet Lup ; 2.68; 26000;occ; 90; 0;41407
20; 6131.0; 30-JAN-2010 20:23:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41407
21; 6221.5; 30-JAN-2010 20:24:45; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;41407
22; 6333.6; 30-JAN-2010 20:26:37; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41407
23; 6497.0; 30-JAN-2010 20:29:20; Dark ; 48.5; 12; Alp1Cru ; 0.77; 30000;occ; 97; 0;41407
24; 6613.9; 30-JAN-2010 20:31:17; Dark ; 46.5; 99; Del Cen ; 2.58; 26000;occ; 93; 0;41407
25; 6738.9; 30-JAN-2010 20:33:22; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41407
26; 6854.0; 30-JAN-2010 20:35:17; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;41407
27; 6959.3; 30-JAN-2010 20:37:03; Dark ; 47.5; 46; Del Vel ; 1.95; 10600;occ; 95; 0;41407
28; 7111.5; 30-JAN-2010 20:39:35; Dark ; 24.0; 34; Gam2Vel ; 1.79; 23000;occ; 48; 0;41407

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