

GOMOS Daily Report 23-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	25JAN2010 04:35:42
Data source version	GOMOS/5.00L04
Start time of products	23JAN2010 00:02:04
Stop time of products	23JAN2010 23:54:05
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)

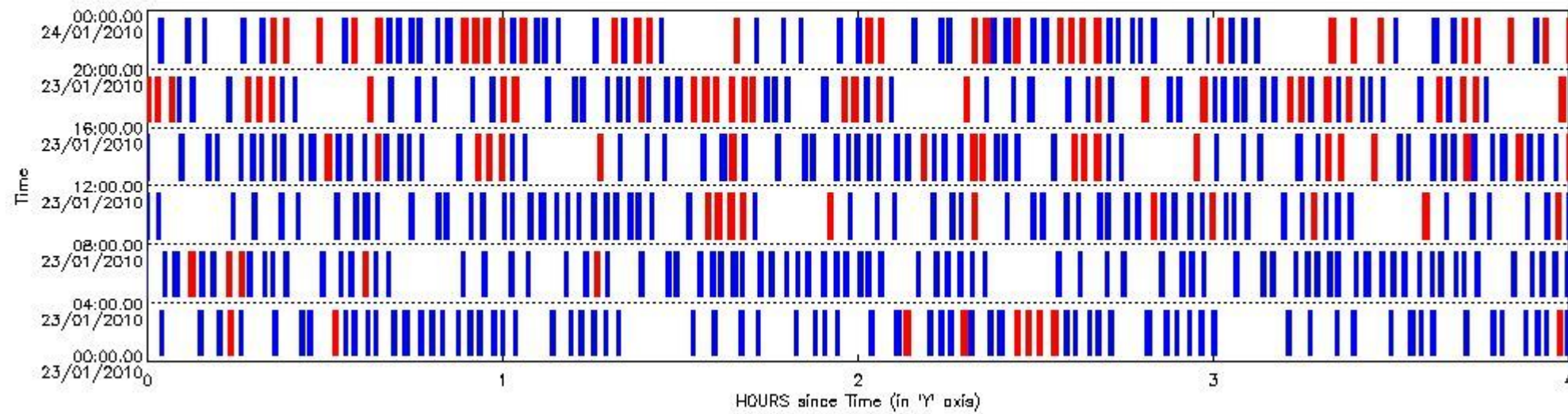
2.1 Level 0 products arrived in PCF (see template [here](#))

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
23-JAN-2010 00:13:30	55AlpOph	59	41295
23-JAN-2010 00:31:11	GamLup	131	41295
23-JAN-2010 02:07:45	26EpsSco	75	41296
23-JAN-2010 02:17:25	Alp1Cen	4	41297
23-JAN-2010 02:26:21	UpsCar	159	41297
23-JAN-2010 02:28:15	lotCar	71	41297
23-JAN-2010 02:30:04	DelVel	46	41297
23-JAN-2010 02:32:42	Gam2Vel	34	41297
23-JAN-2010 03:58:02	Alp1Cen	4	41298
23-JAN-2010 04:06:57	UpsCar	159	41298
23-JAN-2010 04:13:18	Gam2Vel	34	41298
23-JAN-2010 04:15:25	ZetPup	70	41298
23-JAN-2010 04:36:16	78BetGem	17	41298
23-JAN-2010 05:15:18	55AlpOph	59	41298
23-JAN-2010 09:34:08	24GamGem	44	41301

23-JAN-2010 09:35:54	13MuGem	151	41301
23-JAN-2010 09:38:03	78BetGem	17	41301
23-JAN-2010 09:40:07	37TheAur	107	41301
23-JAN-2010 09:54:47	1AlpUMi	49	41301
23-JAN-2010 10:19:13	60BetOph	126	41301
23-JAN-2010 10:49:23	UpsCar	159	41302
23-JAN-2010 10:59:20	PiPup	117	41302
23-JAN-2010 11:16:30	13MuGem	151	41302
23-JAN-2010 11:35:23	1AlpUMi	49	41302
23-JAN-2010 11:57:43	55AlpOph	59	41302
23-JAN-2010 12:29:59	UpsCar	159	41303
23-JAN-2010 12:38:26	ZetPup	70	41303
23-JAN-2010 12:55:20	24GamGem	44	41303
23-JAN-2010 12:57:06	13MuGem	151	41303
23-JAN-2010 12:59:14	78BetGem	17	41303
23-JAN-2010 13:15:59	1AlpUMi	49	41303
23-JAN-2010 13:38:19	55AlpOph	59	41303
23-JAN-2010 14:10:35	UpsCar	159	41304
23-JAN-2010 14:19:02	ZetPup	70	41304
23-JAN-2010 14:20:33	PiPup	117	41304
23-JAN-2010 14:35:56	24GamGem	44	41304
23-JAN-2010 14:37:42	13MuGem	151	41304
23-JAN-2010 14:39:50	78BetGem	17	41304
23-JAN-2010 14:56:35	1AlpUMi	49	41304
23-JAN-2010 15:18:55	55AlpOph	59	41304
23-JAN-2010 15:21:01	60BetOph	126	41304
23-JAN-2010 15:26:38	13ZetOph	98	41304
23-JAN-2010 15:42:17	Alp1Cen	4	41305
23-JAN-2010 15:51:12	UpsCar	159	41305
23-JAN-2010 15:59:38	ZetPup	70	41305
23-JAN-2010 16:01:09	PiPup	117	41305
23-JAN-2010 16:03:37	21EpsCMa	23	41305
23-JAN-2010 16:16:32	24GamGem	44	41305
23-JAN-2010 16:18:18	13MuGem	151	41305
23-JAN-2010 16:20:25	78BetGem	17	41305
23-JAN-2010 16:37:11	1AlpUMi	49	41305
23-JAN-2010 16:59:31	55AlpOph	59	41305
23-JAN-2010 17:01:38	60BetOph	126	41305
23-JAN-2010 17:22:53	Alp1Cen	4	41306
23-JAN-2010 17:31:48	UpsCar	159	41306
23-JAN-2010 17:33:42	lotCar	71	41306
23-JAN-2010 17:35:31	DelVel	46	41306
23-JAN-2010 17:38:08	Gam2Vel	34	41306
23-JAN-2010 17:40:15	ZetPup	70	41306
23-JAN-2010 17:41:45	PiPup	117	41306
23-JAN-2010 17:57:08	24GamGem	44	41306
23-JAN-2010 17:58:54	13MuGem	151	41306
23-JAN-2010 18:03:07	37TheAur	107	41306
23-JAN-2010 18:17:47	1AlpUMi	49	41306
23-JAN-2010 18:40:07	55AlpOph	59	41306
23-JAN-2010 18:47:51	13ZetOph	98	41306
23-JAN-2010 18:57:54	GamLup	131	41306
23-JAN-2010 19:12:24	UpsCar	159	41307
23-JAN-2010 19:14:18	lotCar	71	41307
23-JAN-2010 19:18:44	Gam2Vel	34	41307
23-JAN-2010 19:22:21	PiPup	117	41307
23-JAN-2010 19:37:44	24GamGem	44	41307
23-JAN-2010 19:41:36	78BetGem	17	41307
23-JAN-2010 19:43:43	37TheAur	107	41307

23-JAN-2010 19:58:23	1AlpUMi	49	41307
23-JAN-2010 20:20:43	55AlpOph	59	41307
23-JAN-2010 20:22:50	60BetOph	126	41307
23-JAN-2010 20:28:27	13ZetOph	98	41307
23-JAN-2010 20:34:25	26EpsSco	75	41307
23-JAN-2010 20:38:30	GamLup	131	41307
23-JAN-2010 20:53:00	UpsCar	159	41308
23-JAN-2010 20:54:55	lotCar	71	41308
23-JAN-2010 20:56:43	DelVel	46	41308
23-JAN-2010 20:59:20	Gam2Vel	34	41308
23-JAN-2010 21:02:57	PiPup	117	41308
23-JAN-2010 21:18:20	24GamGem	44	41308
23-JAN-2010 21:22:12	78BetGem	17	41308
23-JAN-2010 21:24:19	37TheAur	107	41308
23-JAN-2010 21:38:59	1AlpUMi	49	41308
23-JAN-2010 22:01:20	55AlpOph	59	41308
23-JAN-2010 22:03:26	60BetOph	126	41308
23-JAN-2010 22:19:07	GamLup	131	41308
23-JAN-2010 22:21:07	BetLup	109	41308
23-JAN-2010 22:26:10	EpsCen	77	41309
23-JAN-2010 22:33:37	UpsCar	159	41309
23-JAN-2010 22:35:31	lotCar	71	41309
23-JAN-2010 22:37:20	DelVel	46	41309
23-JAN-2010 22:39:57	Gam2Vel	34	41309
23-JAN-2010 23:00:42	13MuGem	151	41309
23-JAN-2010 23:19:35	1AlpUMi	49	41309
23-JAN-2010 23:23:08	7BetUMi	60	41309
23-JAN-2010 23:27:41	14EtaDra	119	41309
23-JAN-2010 23:41:56	55AlpOph	59	41309
23-JAN-2010 23:44:02	60BetOph	126	41309
23-JAN-2010 23:49:40	13ZetOph	98	41309
23-JAN-2010 23:55:38	26EpsSco	75	41309
23-JAN-2010 23:59:43	GamLup	131	41309

2.4 Summary of processed GOM_TRA_1P products

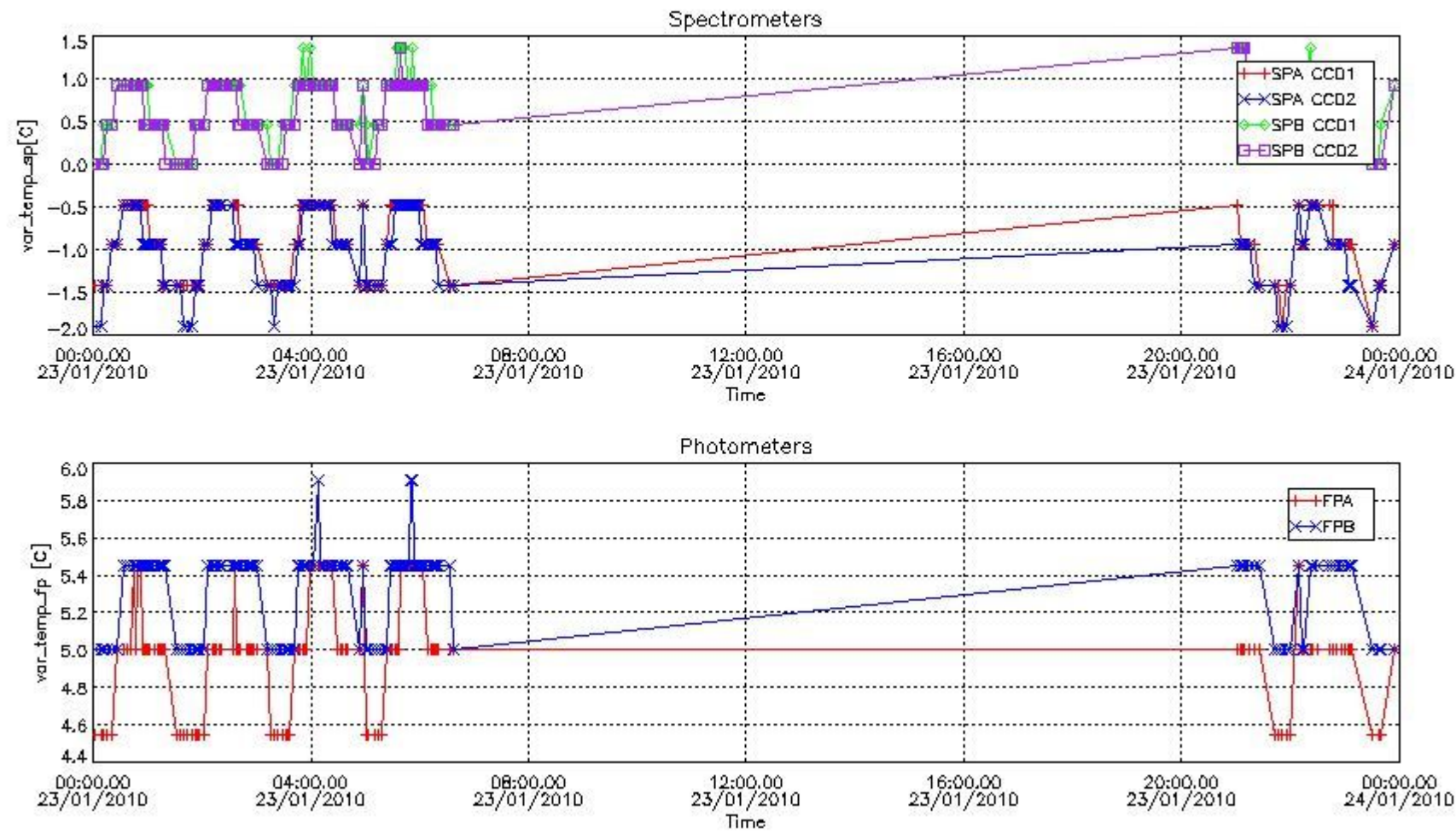
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100123_000204_000000382086_00159_41295_6169.N1	23-JAN-2010 00:02:04	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	41295	No
2	GOM_TRA_1PNPDE20100123_000829_000000402086_00159_41295_6170.N1	23-JAN-2010 00:08:29	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	41295	No
3	GOM_TRA_1PNPDE20100123_001146_000000402086_00159_41295_6171.N1	23-JAN-2010 00:11:46	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	41295	No
4	GOM_TRA_1PNPDE20100123_001531_000000342086_00159_41295_6172.N1	23-JAN-2010 00:15:31	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	41295	No
5	GOM_TRA_1PNPDE20100123_002105_000000462086_00159_41295_6173.N1	23-JAN-2010 00:21:05	Bright	45.500	98	13Zet Oph	2.5710	30000.	91	41295	No
6	GOM_TRA_1PNPDE20100123_002535_000000492086_00159_41295_6163.N1	23-JAN-2010 00:25:35	Twilight	49.000	16	21Alp Sco	1.0200	3000.0	98	41295	No
7	GOM_TRA_1PNPDE20100123_002703_000000442086_00159_41295_6164.N1	23-JAN-2010 00:27:03	Dark	44.000	75	26Eps Sco	2.2910	4250.0	88	41295	No
8	GOM_TRA_1PNPDE20100123_003304_000000432086_00159_41295_6165.N1	23-JAN-2010 00:33:04	Dark	42.500	109	Bet Lup	2.6770	26000.	85	41295	No
9	GOM_TRA_1PNPDE20100123_003433_000000422086_00159_41295_6166.N1	23-JAN-2010 00:34:33	Dark	42.000	78	Alp Lup	2.3040	28000.	84	41295	No
10	GOM_TRA_1PNPDE20100123_003643_000000452086_00160_41296_6167.N1	23-JAN-2010 00:36:43	Dark	44.500	4	Alp1Cen	-0.010000	5800.0	89	41296	No
11	GOM_TRA_1PNPDE20100123_003807_000000422086_00160_41296_6168.N1	23-JAN-2010 00:38:07	Dark	42.000	77	Eps Cen	2.3030	28000.	84	41296	No
12	GOM_TRA_1PNPDE20100123_004115_000000422086_00160_41296_6169.N1	23-JAN-2010 00:41:15	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	41296	No
13	GOM_TRA_1PNPDE20100123_004539_000000472086_00160_41296_6170.N1	23-JAN-2010 00:45:39	Dark	46.500	159	Ups Car	2.9200	7200.0	93	41296	No
14	GOM_TRA_1PNPDE20100123_004733_000000442086_00160_41296_6171.N1	23-JAN-2010 00:47:33	Dark	43.500	71	lot Car	2.2460	7700.0	87	41296	No
15	GOM_TRA_1PNPDE20100123_004922_000000412086_00160_41296_6172.N1	23-JAN-2010 00:49:22	Dark	41.000	46	Del Vel	1.9540	10600.	82	41296	No
16	GOM_TRA_1PNPDE20100123_005200_000000432086_00160_41296_6173.N1	23-JAN-2010 00:52:00	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41296	No
17	GOM_TRA_1PNPDE20100123_005407_000000432086_00160_41296_6174.N1	23-JAN-2010 00:54:07	Straylight	42.500	70	Zet Pup	2.2460	39000.	85	41296	No
18	GOM_TRA_1PNPDE20100123_005538_000000442086_00160_41296_6175.N1	23-JAN-2010 00:55:38	Straylight	44.000	117	Pi Pup	2.7060	3800.0	88	41296	No
19	GOM_TRA_1PNPDE20100123_005806_000000432086_00160_41296_6176.N1	23-JAN-2010 00:58:06	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	41296	No
20	GOM_TRA_1PNPDE20100123_005930_000000412086_00160_41296_6177.N1	23-JAN-2010 00:59:30	Straylight	41.000	179	24Omi2CMa	3.0320	24000.	82	41296	No
21	GOM_TRA_1PNPDE20100123_010140_000000452086_00160_41296_6178.N1	23-JAN-2010 01:01:40	Straylight	45.000	1	9Alp CMa	-1.4400	11000.	90	41296	No

22	GOM_TRA_1PNPDE20100123_010753_000000502086_00160_41296_6179.N1	23-JAN-2010 01:07:53	Twilight	50.000	8	10Alp CMI	0.40000	6500.0	100	41296	No
23	GOM_TRA_1PNPDE20100123_011103_000000412086_00160_41296_6180.N1	23-JAN-2010 01:11:03	Bright	40.500	44	24Gam Gem	1.9280	11000.	81	41296	No
24	GOM_TRA_1PNPDE20100123_011249_000000432086_00160_41296_6181.N1	23-JAN-2010 01:12:49	Bright	42.500	151	13Mu Gem	2.8900	3000.0	85	41296	No
25	GOM_TRA_1PNPDE20100123_011459_000000452086_00160_41296_6182.N1	23-JAN-2010 01:14:59	Bright	45.000	17	78Bet Gem	1.1610	4500.0	90	41296	No
26	GOM_TRA_1PNPDE20100123_011701_000000362086_00160_41296_6183.N1	23-JAN-2010 01:17:01	Bright	36.000	107	37The Aur	2.6490	11000.	72	41296	No
27	GOM_TRA_1PNPDE20100123_011910_000000362086_00160_41296_6184.N1	23-JAN-2010 01:19:10	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	41296	No
28	GOM_TRA_1PNPDE20100123_013142_000000352086_00160_41296_6185.N1	23-JAN-2010 01:31:42	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	41296	No
29	GOM_TRA_1PNPDE20100123_013518_000000432086_00160_41296_6186.N1	23-JAN-2010 01:35:18	Bright	42.500	60	7Bet UMi	2.0810	3950.0	85	41296	No
30	GOM_TRA_1PNPDE20100123_013949_000000402086_00160_41296_6187.N1	23-JAN-2010 01:39:49	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	41296	No
31	GOM_TRA_1PNPDE20100123_014240_000000352086_00160_41296_6188.N1	23-JAN-2010 01:42:40	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	41296	No
32	GOM_TRA_1PNPDE20100123_014905_000000392086_00160_41296_6189.N1	23-JAN-2010 01:49:05	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	41296	No
33	GOM_TRA_1PNPDE20100123_015222_000000412086_00160_41296_6190.N1	23-JAN-2010 01:52:22	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	41296	No
34	GOM_TRA_1PNPDE20100123_015400_000000342086_00160_41296_6191.N1	23-JAN-2010 01:54:00	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	41296	No
35	GOM_TRA_1PNPDE20100123_015607_000000332086_00160_41296_6192.N1	23-JAN-2010 01:56:07	Bright	32.500	126	60Bet Oph	2.7700	4250.0	65	41296	No
36	GOM_TRA_1PNPDE20100123_020141_000000472086_00160_41296_6187.N1	23-JAN-2010 02:01:41	Bright	46.500	98	13Zet Oph	2.5710	30000.	93	41296	No
37	GOM_TRA_1PNPDE20100123_020611_000000552086_00160_41296_6188.N1	23-JAN-2010 02:06:11	Twilight	55.000	16	21Alp Sco	1.0200	3000.0	110	41296	No
38	GOM_TRA_1PNPDE20100123_021142_000000432086_00160_41296_6189.N1	23-JAN-2010 02:11:42	Dark	43.000	131	Gam Lup	2.8000	26000.	86	41296	No
39	GOM_TRA_1PNPDE20100123_021341_000000442086_00160_41296_6190.N1	23-JAN-2010 02:13:41	Dark	44.000	109	Bet Lup	2.6770	26000.	88	41296	No
40	GOM_TRA_1PNPDE20100123_021510_000000452086_00160_41296_6191.N1	23-JAN-2010 02:15:10	Dark	45.000	78	Alp Lup	2.3040	28000.	90	41296	No
41	GOM_TRA_1PNPDE20100123_021844_000000432086_00161_41297_6192.N1	23-JAN-2010 02:18:44	Dark	42.500	77	Eps Cen	2.3030	28000.	85	41297	No
42	GOM_TRA_1PNPDE20100123_022152_000000502086_00161_41297_6193.N1	23-JAN-2010 02:21:52	Dark	50.000	12	Alp1Cru	0.77500	30000.	100	41297	No
43	GOM_TRA_1PNPDE20100123_023443_000000432086_00161_41297_6194.N1	23-JAN-2010 02:34:43	Straylight	43.000	70	Zet Pup	2.2460	39000.	86	41297	No
44	GOM_TRA_1PNPDE20100123_023614_000000452086_00161_41297_6195.N1	23-JAN-2010 02:36:14	Straylight	45.000	117	Pi Pup	2.7060	3800.0	90	41297	No
45	GOM_TRA_1PNPDE20100123_023843_000000412086_00161_41297_6196.N1	23-JAN-2010 02:38:43	Straylight	41.000	23	21Eps CMa	1.5020	26000.	82	41297	No
46	GOM_TRA_1PNPDE20100123_024006_000000402086_00161_41297_6197.N1	23-JAN-2010 02:40:06	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	41297	No
47	GOM_TRA_1PNPDE20100123_024216_000000442086_00161_41297_6198.N1	23-JAN-2010 02:42:16	Straylight	43.500	1	9Alp CMa	-1.4400	11000.	87	41297	No
48	GOM_TRA_1PNPDE20100123_024829_000000512086_00161_41297_6199.N1	23-JAN-2010 02:48:29	Twilight	51.000	8	10Alp CMI	0.40000	6500.0	102	41297	No
49	GOM_TRA_1PNPDE20100123_025138_000000432086_00161_41297_6200.N1	23-JAN-2010 02:51:38	Bright	42.500	44	24Gam Gem	1.9280	11000.	85	41297	No
50	GOM_TRA_1PNPDE20100123_025324_000000412086_00161_41297_6201.N1	23-JAN-2010 02:53:24	Bright	41.000	151	13Mu Gem	2.8900	3000.0	82	41297	No
51	GOM_TRA_1PNPDE20100123_025535_000000432086_00161_41297_6202.N1	23-JAN-2010 02:55:35	Bright	42.500	17	78Bet Gem	1.1610	4500.0	85	41297	No
52	GOM_TRA_1PNPDE20100123_025737_000000362086_00161_41297_6203.N1	23-JAN-2010 02:57:37	Bright	36.000	107	37The Aur	2.6490	11000.	72	41297	No
53	GOM_TRA_1PNPDE20100123_025946_000000372086_00161_41297_6204.N1	23-JAN-2010 02:59:46	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41297	No
54	GOM_TRA_1PNPDE20100123_031218_000000382086_00161_41297_6205.N1	23-JAN-2010 03:12:18	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	41297	No
55	GOM_TRA_1PNPDE20100123_031554_000000392086_00161_41297_6208.N1	23-JAN-2010 03:15:54	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	41297	No
56	GOM_TRA_1PNPDE20100123_032025_000000402086_00161_41297_6209.N1	23-JAN-2010 03:20:25	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	41297	No
57	GOM_TRA_1PNPDE20100123_032316_000000382086_00161_41297_6210.N1	23-JAN-2010 03:23:16	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	41297	No
58	GOM_TRA_1PNPDE20100123_032941_000000372086_00161_41297_6211.N1	23-JAN-2010 03:29:41	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	41297	No
59	GOM_TRA_1PNPDE20100123_033258_000000592086_00161_41297_6212.N1	23-JAN-2010 03:32:58	Bright	59.000	127	27Bet Her	2.7810	4700.0	118	41297	No
60	GOM_TRA_1PNPDE20100123_033436_000000352086_00161_41297_6213.N1	23-JAN-2010 03:34:36	Bright	34.500	59	55Alp Oph	2.0800	8900.0	69	41297	No
61	GOM_TRA_1PNPDE20100123_033643_000000382086_00161_41297_6214.N1	23-JAN-2010 03:36:43	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	41297	No
62	GOM_TRA_1PNPDE20100123_034218_000000432086_00161_41297_6215.N1	23-JAN-2010 03:42:18	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	41297	No
63	GOM_TRA_1PNPDE20100123_034648_000000512086_00161_41297_6216.N1	23-JAN-2010 03:46:48	Twilight	50.500	16	21Alp Sco	1.0200	3000.0	101	41297	No
64	GOM_TRA_1PNPDE20100123_034816_000000432086_00161_41297_6217.N1	23-JAN-2010 03:48:16	Dark	42.500	75	26Eps Sco	2.2910	4250.0	85	41297	No
65	GOM_TRA_1PNPDE20100123_035219_000000402086_00161_41297_6218.N1	23-JAN-2010 03:52:19	Dark	39.500	131	Gam Lup	2.8000	26000.	79	41297	No
66	GOM_TRA_1PNPDE20100123_035418_000000432086_00161_41297_6219.N1	23-JAN-2010 03:54:18	Dark	43.000	109	Bet Lup	2.6770	26000.	86	41297	No
67	GOM_TRA_1PNPDE20100123_035547_000000432086_00161_41297_6220.N1	23-JAN-2010 03:55:47	Dark	42.500	78	Alp Lup	2.3040	28000.	85	41297	No
68	GOM_TRA_1PNPDE20100123_035921_000000412086_00162_41298_6221.N1	23-JAN-2010 03:59:21	Dark	40.500	77	Eps Cen	2.3030	28000.	81	41298	No
69	GOM_TRA_1PNPDE20100123_040229_000000442086_00162_41298_6222.N1	23-JAN-2010 04:02:29	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	41298	No
70	GOM_TRA_1PNPDE20100123_040846_000000392086_00162_41298_6223.N1	23-JAN-2010 04:08:46	Dark	39.000	71	Iot Car	2.2460	7700.0	78	41298	No
71	GOM_TRA_1PNPDE20100123_041035_000000452086_00162_41298_6224.N1	23-JAN-2010 04:10:35	Dark	45.000	46	Del Vel	1.9540	10600.	90	41298	No
72	GOM_TRA_1PNPDE20100123_041650_000000412086_00162_41298_6225.N1	23-JAN-2010 04:16:50	Straylight	40.500	117	Pi Pup	2.7060	3800.0	81	41298	No
73	GOM_TRA_1PNPDE20100123_041919_000000432086_00162_41298_6226.N1	23-JAN-2010 04:19:19	Straylight	42.500	23	21Eps CMa	1.5020	26000.	85	41298	No
74	GOM_TRA_1PNPDE20100123_042042_000000402086_00162_41298_6227.N1	23-JAN-2010 04:20:42	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	41298	No
75	GOM_TRA_1PNPDE20100123_042252_000000462086_00162_41298_6228.N1	23-JAN-2010 04:22:52	Straylight	46.000	1	9Alp CMa	-1.4400	11000.	92	41298	No
76	GOM_TRA_1PNPDE20100123_042905_000000472086_00162_41298_6229.N1	23-JAN-2010 04:29:05	Twilight	47.000	8	10Alp CMI	0.40000	6500.0	94	41298	No
77	GOM_TRA_1PNPDE20100123_043214_000000412086_00162_41298_6230.N1	23-JAN-2010 04:32:14	Bright	41.000	44	24Gam Gem	1.9280	11000.	82	41298	No
78	GOM_TRA_1PNPDE20100123_043401_000000392086_00162_41298_6231.N1	23-JAN-2010 04:34:01	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	41298	No
79	GOM_TRA_1PNPDE20100123_043814_000000372086_00162_41298_6232.N1	23-JAN-2010 04:38:14	Bright	36.500	107	37The Aur	2.6490	11000.	73	41298	No
80	GOM_TRA_1PNPDE20100123_044022_000000362086_00162_41298_6233.N1	23-JAN-2010 04:40:22	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	41298	No

81	GOM_TRA_1PNPDE20100123_045254_000000362086_00162_41298_6234.N1	23-JAN-2010 04:52:54	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	41298	No
82	GOM_TRA_1PNPDE20100123_045630_000000432086_00162_41298_6234.N1	23-JAN-2010 04:56:30	Bright	42.500	60	7Bet UMi	2.0810	3950.0	85	41298	Yes
83	GOM_TRA_1PNPDE20100123_050102_000000382086_00162_41298_6235.N1	23-JAN-2010 05:01:02	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	41298	No
84	GOM_TRA_1PNPDE20100123_050352_000000382086_00162_41298_6236.N1	23-JAN-2010 05:03:52	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	41298	No
85	GOM_TRA_1PNPDE20100123_051017_000000382086_00162_41298_6237.N1	23-JAN-2010 05:10:17	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	41298	No
86	GOM_TRA_1PNPDE20100123_051334_000000412086_00162_41298_6238.N1	23-JAN-2010 05:13:34	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	41298	No
87	GOM_TRA_1PNPDE20100123_051719_000000342086_00162_41298_6239.N1	23-JAN-2010 05:17:19	Bright	34.000	126	60Bet Oph	2.7700	4250.0	68	41298	No
88	GOM_TRA_1PNPDE20100123_052254_000000442086_00162_41298_6240.N1	23-JAN-2010 05:22:54	Bright	44.000	98	13Zet Oph	2.5710	30000.	88	41298	No
89	GOM_TRA_1PNPDE20100123_052724_000000462086_00162_41298_6241.N1	23-JAN-2010 05:27:24	Twilight	45.500	16	21Alp Sco	1.0200	3000.0	91	41298	No
90	GOM_TRA_1PNPDE20100123_052853_000000422086_00162_41298_6242.N1	23-JAN-2010 05:28:53	Dark	42.000	75	26Eps Sco	2.2910	4250.0	84	41298	No
91	GOM_TRA_1PNPDE20100123_053255_000000432086_00162_41298_6243.N1	23-JAN-2010 05:32:55	Dark	43.000	131	Gam Lup	2.8000	26000.	86	41298	No
92	GOM_TRA_1PNPDE20100123_053454_000000462086_00162_41298_6244.N1	23-JAN-2010 05:34:54	Dark	46.000	109	Bet Lup	2.6770	26000.	92	41298	No
93	GOM_TRA_1PNPDE20100123_053624_000000492086_00162_41298_6245.N1	23-JAN-2010 05:36:24	Dark	49.000	78	Alp Lup	2.3040	28000.	98	41298	No
94	GOM_TRA_1PNPDE20100123_053833_000000552086_00163_41299_6246.N1	23-JAN-2010 05:38:33	Dark	55.000	4	Alp1Cen	-0.010000	5800.0	110	41299	No
95	GOM_TRA_1PNPDE20100123_053958_000000432086_00163_41299_6247.N1	23-JAN-2010 05:39:58	Dark	42.500	77	Eps Cen	2.3030	28000.	85	41299	No
96	GOM_TRA_1PNPDE20100123_054305_000000502086_00163_41299_6248.N1	23-JAN-2010 05:43:05	Dark	50.000	12	Alp1Cru	0.77500	30000.	100	41299	No
97	GOM_TRA_1PNPDE20100123_054728_000000392086_00163_41299_6249.N1	23-JAN-2010 05:47:28	Dark	38.500	159	Ups Car	2.9200	7200.0	77	41299	No
98	GOM_TRA_1PNPDE20100123_054922_000000392086_00163_41299_6250.N1	23-JAN-2010 05:49:22	Dark	38.500	71	lot Car	2.2460	7700.0	77	41299	No
99	GOM_TRA_1PNPDE20100123_055111_000000422086_00163_41299_6251.N1	23-JAN-2010 05:51:11	Dark	42.000	46	Del Vel	1.9540	10600.	84	41299	No
100	GOM_TRA_1PNPDE20100123_055349_000000442086_00163_41299_6252.N1	23-JAN-2010 05:53:49	Dark	44.000	34	Gam2Vel	1.7930	23000.	88	41299	No
101	GOM_TRA_1PNPDE20100123_055555_000000442086_00163_41299_6253.N1	23-JAN-2010 05:55:55	Straylight	43.500	70	Zet Pup	2.2460	39000.	87	41299	No
102	GOM_TRA_1PNPDE20100123_055727_000000442086_00163_41299_6254.N1	23-JAN-2010 05:57:27	Straylight	44.000	117	Pi Pup	2.7060	3800.0	88	41299	No
103	GOM_TRA_1PNPDE20100123_055955_000000422086_00163_41299_6255.N1	23-JAN-2010 05:59:55	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	41299	No
104	GOM_TRA_1PNPDE20100123_060118_000000402086_00163_41299_6256.N1	23-JAN-2010 06:01:18	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	41299	No
105	GOM_TRA_1PNPDE20100123_060329_000000432086_00163_41299_6257.N1	23-JAN-2010 06:03:29	Straylight	43.000	1	9Alp CMa	-1.4400	11000.	86	41299	No
106	GOM_TRA_1PNPDE20100123_060941_000000482086_00163_41299_6258.N1	23-JAN-2010 06:09:41	Twilight	47.500	8	10Alp CMi	0.40000	6500.0	95	41299	No
107	GOM_TRA_1PNPDE20100123_061251_000000392086_00163_41299_6259.N1	23-JAN-2010 06:12:51	Bright	38.500	44	24Gam Gem	1.9280	11000.	77	41299	No
108	GOM_TRA_1PNPDE20100123_061437_000000422086_00163_41299_6260.N1	23-JAN-2010 06:14:37	Bright	42.000	151	13Mu Gem	2.8900	3000.0	84	41299	No
109	GOM_TRA_1PNPDE20100123_061646_000000452086_00163_41299_6261.N1	23-JAN-2010 06:16:46	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	41299	No
110	GOM_TRA_1PNPDE20100123_061850_000000362086_00163_41299_6262.N1	23-JAN-2010 06:18:50	Bright	36.000	107	37The Aur	2.6490	11000.	72	41299	No
111	GOM_TRA_1PNPDE20100123_062059_000000352086_00163_41299_6263.N1	23-JAN-2010 06:20:59	Bright	35.000	42	34Bet Aur	1.9000	10200.	70	41299	No
112	GOM_TRA_1PNPDE20100123_063330_000000382086_00163_41299_6264.N1	23-JAN-2010 06:33:30	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	41299	No
113	GOM_TRA_1PNPDE20100123_063706_000000412086_00163_41299_6265.N1	23-JAN-2010 06:37:06	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	41299	No
114	GOM_TRA_1PNPDE20100123_210121_000000402086_00172_41308_6305.N1	23-JAN-2010 21:01:21	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	41308	No
115	GOM_TRA_1PNPDE20100123_210520_000000412086_00172_41308_6306.N1	23-JAN-2010 21:05:20	Straylight	40.500	23	21Eps CMa	1.5020	26000.	81	41308	No
116	GOM_TRA_1PNPDE20100123_210643_000000352086_00172_41308_6307.N1	23-JAN-2010 21:06:43	Straylight	35.000	179	24Omi2CMa	3.0320	24000.	70	41308	No
117	GOM_TRA_1PNPDE20100123_210853_000000452086_00172_41308_6308.N1	23-JAN-2010 21:08:53	Straylight	44.500	1	9Alp CMa	-1.4400	11000.	89	41308	No
118	GOM_TRA_1PNPDE20100123_211504_000000492086_00172_41308_6309.N1	23-JAN-2010 21:15:04	Twilight	49.000	8	10Alp CMi	0.40000	6500.0	98	41308	No
119	GOM_TRA_1PNPDE20100123_212001_000000412086_00172_41308_6310.N1	23-JAN-2010 21:20:01	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	41308	No
120	GOM_TRA_1PNPDE20100123_212622_000000372086_00172_41308_6311.N1	23-JAN-2010 21:26:22	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41308	No
121	GOM_TRA_1PNPDE20100123_214227_000000412086_00172_41308_6312.N1	23-JAN-2010 21:42:27	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41308	No
122	GOM_TRA_1PNPDE20100123_214700_000000412086_00172_41308_6313.N1	23-JAN-2010 21:47:00	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	41308	No
123	GOM_TRA_1PNPDE20100123_214952_000000342086_00172_41308_6314.N1	23-JAN-2010 21:49:52	Bright	34.000	130	23Bet Dra	2.7990	5800.0	68	41308	No
124	GOM_TRA_1PNPDE20100123_215618_000000572086_00172_41308_6315.N1	23-JAN-2010 21:56:18	Bright	57.000	133	40Zet Her	2.8070	6000.0	114	41308	No
125	GOM_TRA_1PNPDE20100123_215936_000000502086_00172_41308_6316.N1	23-JAN-2010 21:59:36	Bright	50.000	127	27Bet Her	2.7810	4700.0	100	41308	No
126	GOM_TRA_1PNPDE20100123_220858_000000452086_00172_41308_6325.N1	23-JAN-2010 22:08:58	Twilight	45.000	98	13Zet Oph	2.5710	30000.	90	41308	No
127	GOM_TRA_1PNPDE20100123_221328_000000492086_00172_41308_6326.N1	23-JAN-2010 22:13:28	Twilight	48.500	16	21Alp Sco	1.0200	3000.0	97	41308	No
128	GOM_TRA_1PNPDE20100123_221456_000000452086_00172_41308_6327.N1	23-JAN-2010 22:14:56	Dark	44.500	75	26Eps Sco	2.2910	4250.0	89	41308	No
129	GOM_TRA_1PNPDE20100123_222230_000000422086_00173_41309_6328.N1	23-JAN-2010 22:22:30	Dark	42.000	78	Alp Lup	2.3040	28000.	84	41309	No
130	GOM_TRA_1PNPDE20100123_222437_000000532086_00173_41309_6329.N1	23-JAN-2010 22:24:37	Dark	52.500	4	Alp1Cen	-0.010000	5800.0	105	41309	No
131	GOM_TRA_1PNPDE20100123_222910_000000402086_00173_41309_6330.N1	23-JAN-2010 22:29:10	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	41309	No
132	GOM_TRA_1PNPDE20100123_224157_000000422086_00173_41309_6331.N1	23-JAN-2010 22:41:57	Straylight	42.000	70	Zet Pup	2.2460	39000.	84	41309	No
133	GOM_TRA_1PNPDE20100123_224328_000000412086_00173_41309_6332.N1	23-JAN-2010 22:43:28	Straylight	41.000	117	Pi Pup	2.7060	3800.0	82	41309	No
134	GOM_TRA_1PNPDE20100123_224556_000000402086_00173_41309_6333.N1	23-JAN-2010 22:45:56	Straylight	40.000	23	21Eps CMa	1.5020	26000.	80	41309	No
135	GOM_TRA_1PNPDE20100123_224719_000000402086_00173_41309_6334.N1	23-JAN-2010 22:47:19	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	41309	No
136	GOM_TRA_1PNPDE20100123_224929_000000432086_00173_41309_6335.N1	23-JAN-2010 22:49:29	Straylight	42.500	1	9Alp CMa	-1.4400	11000.	85	41309	No
137	GOM_TRA_1PNPDE20100123_225539_000000462086_00173_41309_6336.N1	23-JAN-2010 22:55:39	Twilight	46.000	8	10Alp CMi	0.40000	6500.0	92	41309	No
138	GOM_TRA_1PNPDE20100123_225850_000000192086_00173_41309_6337.N1	23-JAN-2010 22:58:50	Twilight	19.000	44	24Gam Gem	1.9280	11000.	38	41309	No
139	GOM_TRA_1PNPDE20100123_230242_000000452086_00173_41309_6338.N1	23-JAN-2010 23:02:42	Bright	45.000	17	78Bet Gem	1.1610	4500.0	90	41309	No

140	GOM_TRA_1PNPDE20100123_230450_000000362086_00173_41309_6339.N1	23-JAN-2010 23:04:50	Bright	36.000	107	37The Aur	2.6490	11000.	72	41309	No
141	GOM_TRA_1PNPDE20100123_230658_000000372086_00173_41309_6340.N1	23-JAN-2010 23:06:58	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41309	No
142	GOM_TRA_1PNPDE20100123_233028_000000392086_00173_41309_6341.N1	23-JAN-2010 23:30:28	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	41309	No
143	GOM_TRA_1PNPDE20100123_233654_000000572086_00173_41309_6342.N1	23-JAN-2010 23:36:54	Bright	57.000	133	40Zet Her	2.8070	6000.0	114	41309	No
144	GOM_TRA_1PNPDE20100123_234012_000000402086_00173_41309_6343.N1	23-JAN-2010 23:40:12	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	41309	No
145	GOM_TRA_1PNPDE20100123_235405_000000492086_00173_41309_6344.N1	23-JAN-2010 23:54:05	Twilight	48.500	16	21Alp Sco	1.0200	3000.0	97	41309	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).

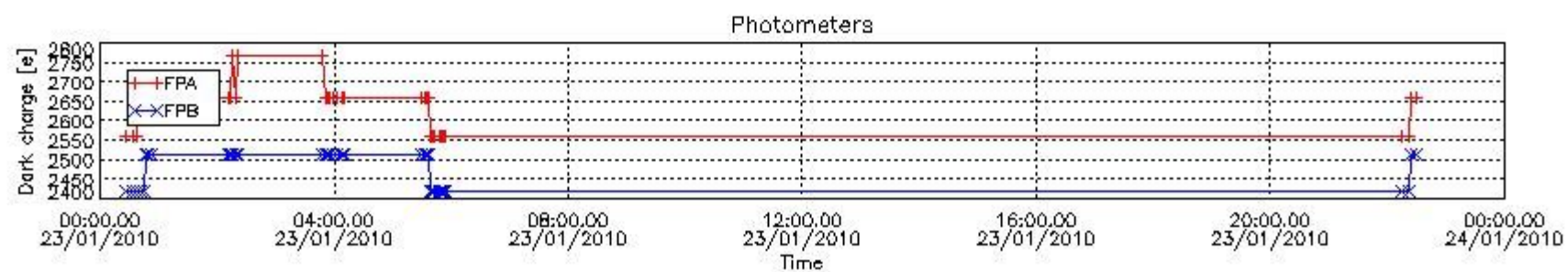
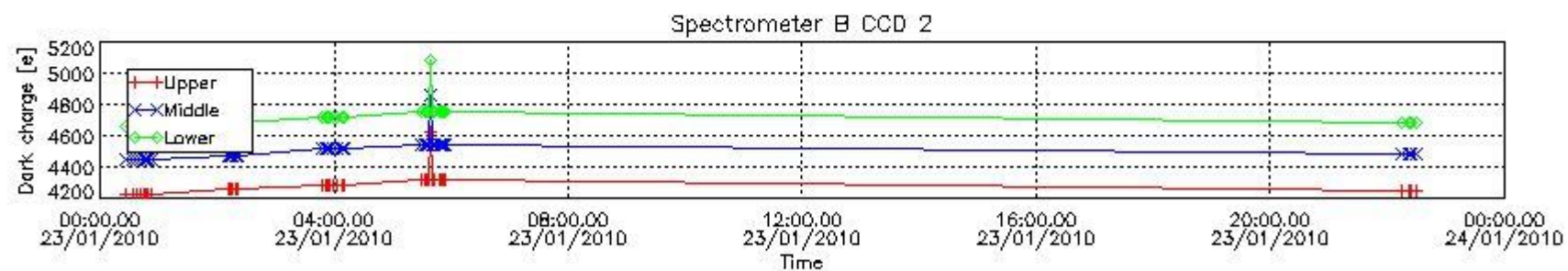
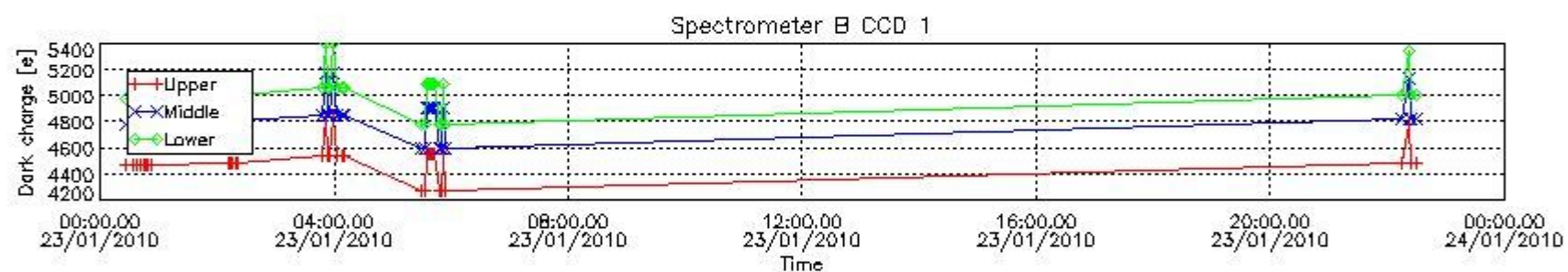
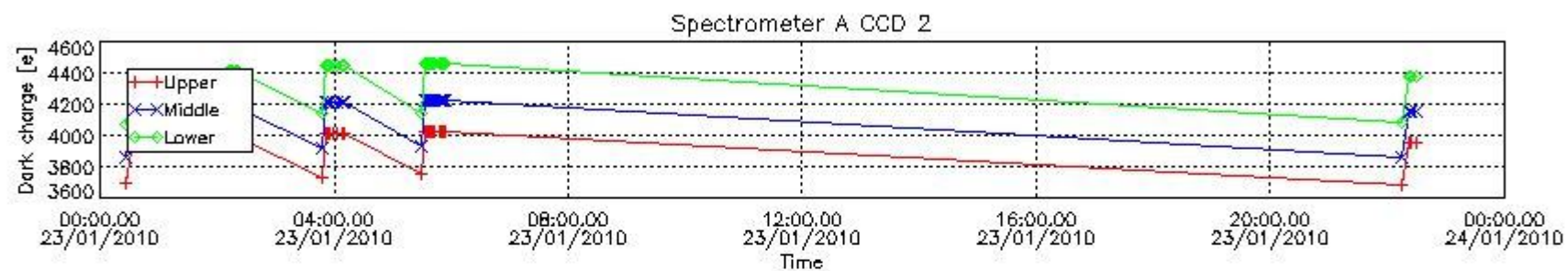
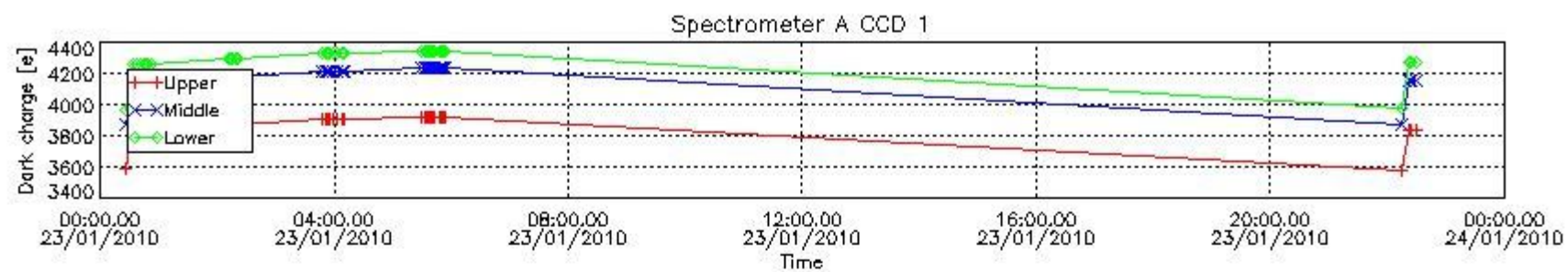
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100123_210121_000000402086_00172_41308_6305.N1	DC map used
GOM_TRA_1PNPDE20100123_210520_000000412086_00172_41308_6306.N1	DC map used
GOM_TRA_1PNPDE20100123_210643_000000352086_00172_41308_6307.N1	DC map used
GOM_TRA_1PNPDE20100123_210853_000000452086_00172_41308_6308.N1	DC map used

GOM_TRA_1PNPDE20100123_211504_000000492086_00172_41308_6309.N1	DC map used
GOM_TRA_1PNPDE20100123_212001_000000412086_00172_41308_6310.N1	DC map used
GOM_TRA_1PNPDE20100123_212622_000000372086_00172_41308_6311.N1	DC map used
GOM_TRA_1PNPDE20100123_214227_000000412086_00172_41308_6312.N1	DC map used
GOM_TRA_1PNPDE20100123_214700_000000412086_00172_41308_6313.N1	DC map used
GOM_TRA_1PNPDE20100123_214952_000000342086_00172_41308_6314.N1	DC map used
GOM_TRA_1PNPDE20100123_215618_000000572086_00172_41308_6315.N1	DC map used
GOM_TRA_1PNPDE20100123_215936_000000502086_00172_41308_6316.N1	DC map used

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



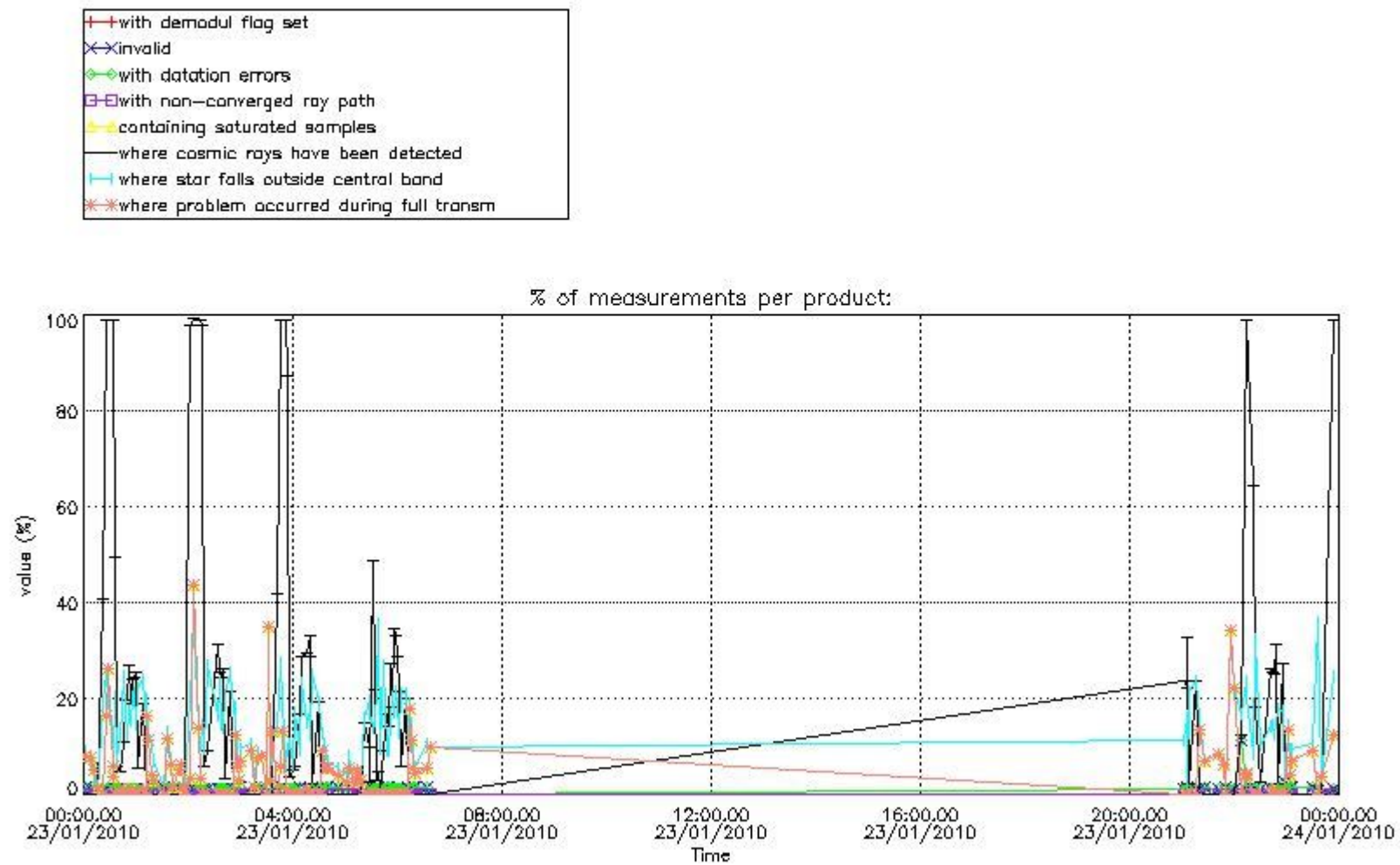
5. Demodulation flag and quality information monitoring

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.

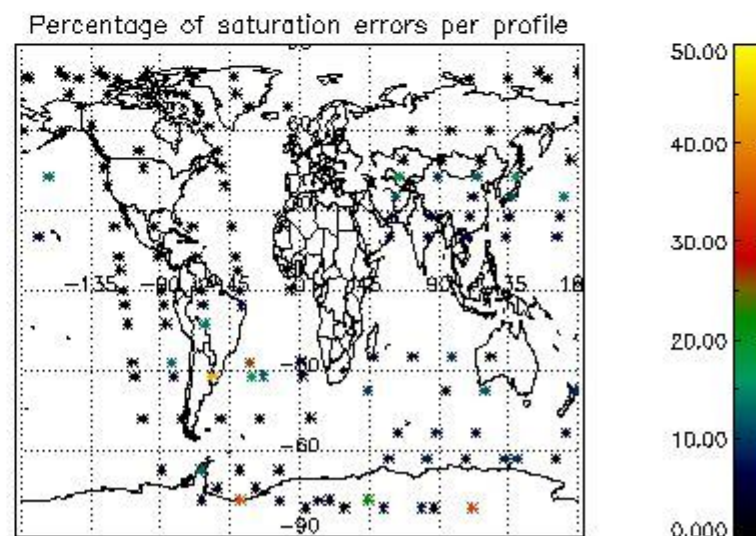
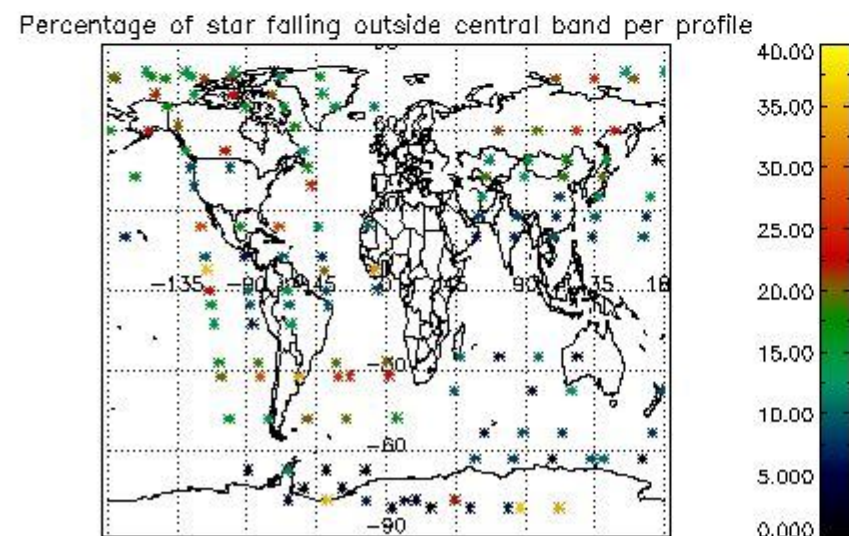
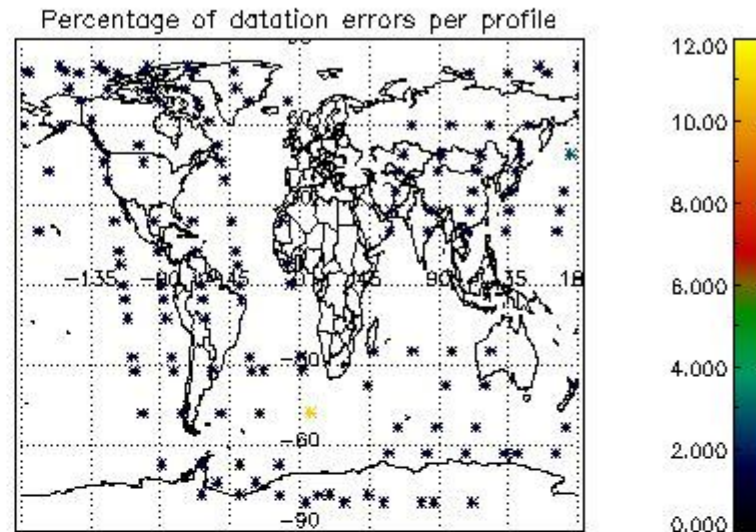
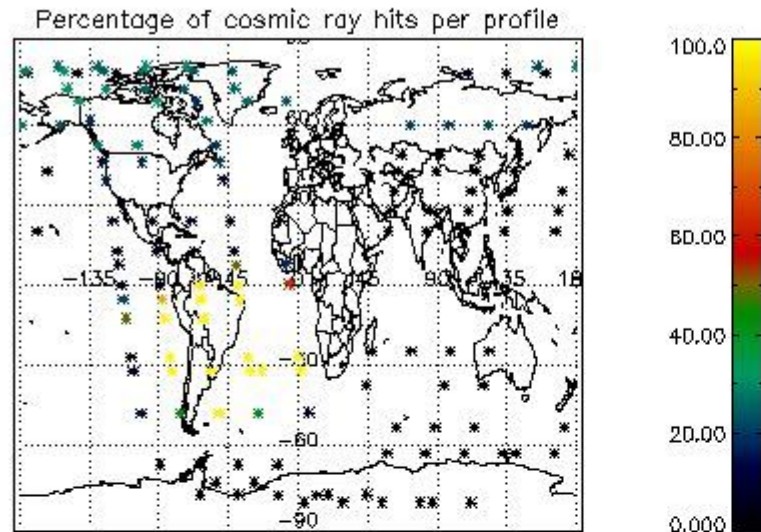
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	32.6389 %
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)



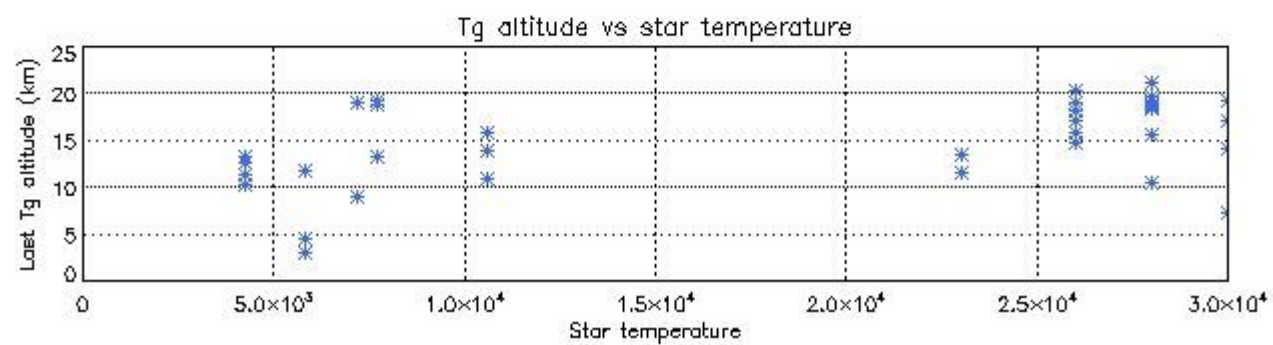
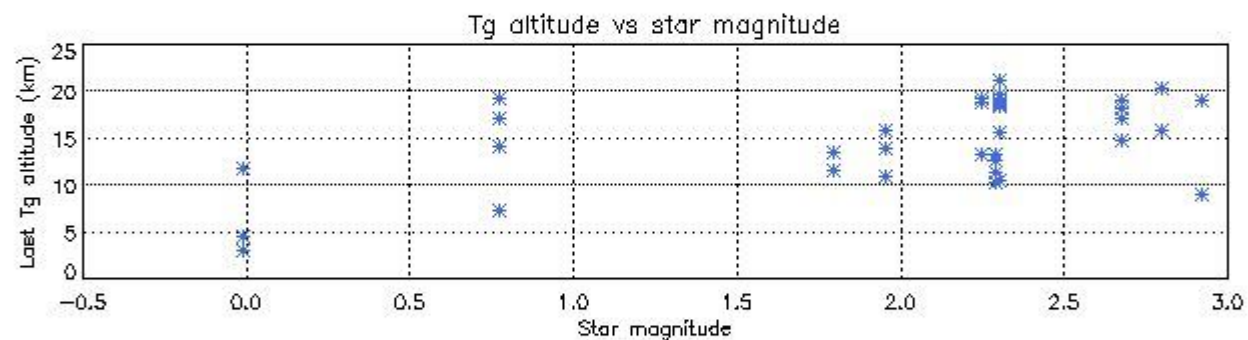
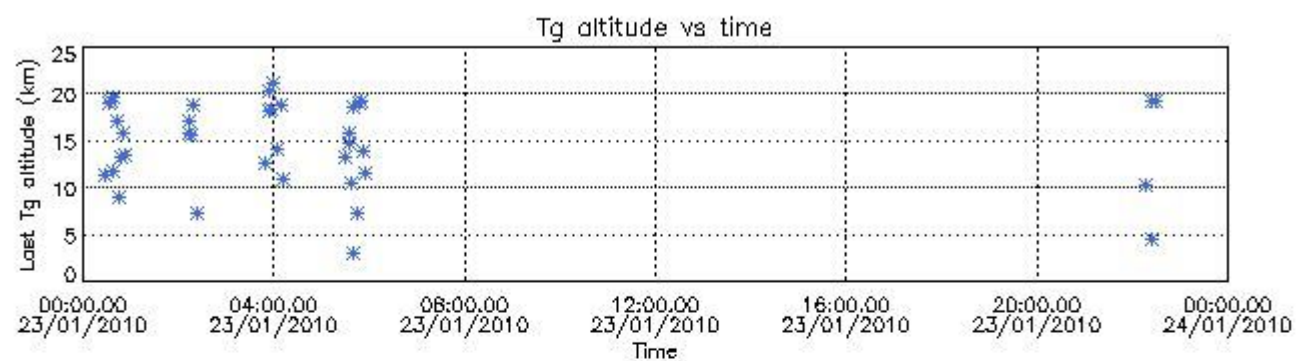
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.704	17.947	8.2905
St. deviation:	4.6080	5.0476	2.5709
Maximum:	21.239	28.144	11.377
Minimum:	2.9306	4.3229	3.7252
Number of data:	38.000	64.000	6.0000

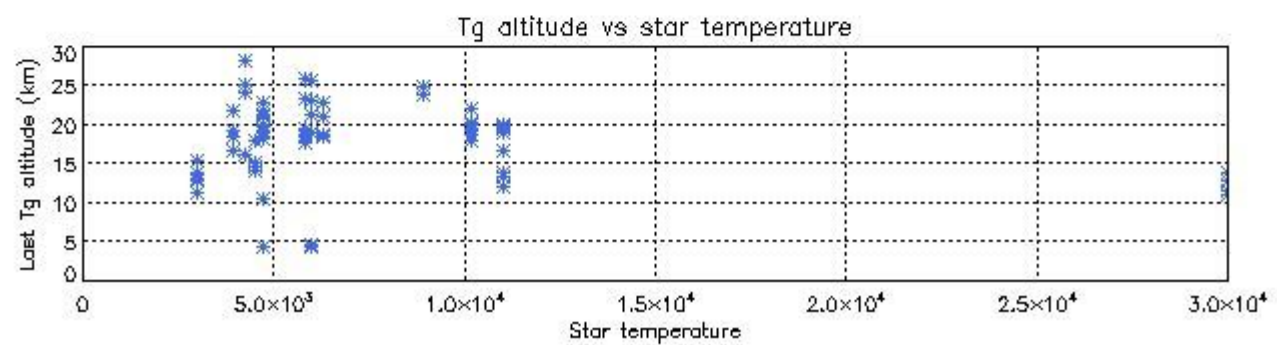
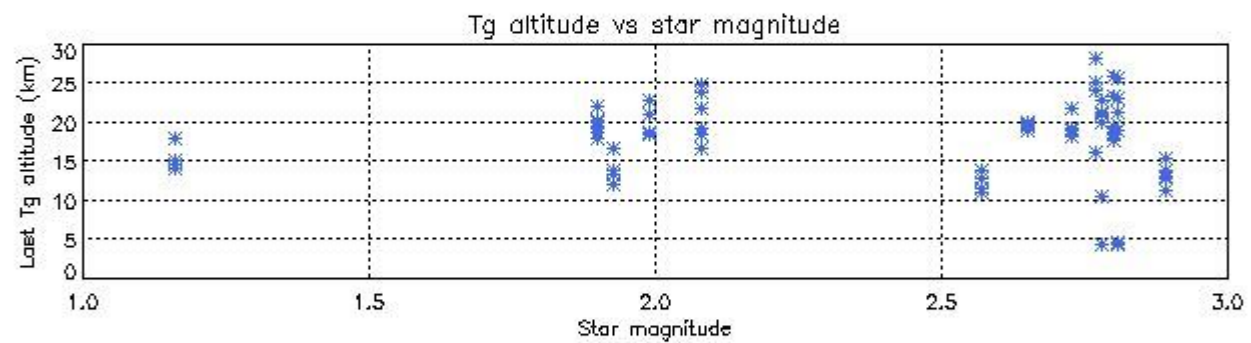
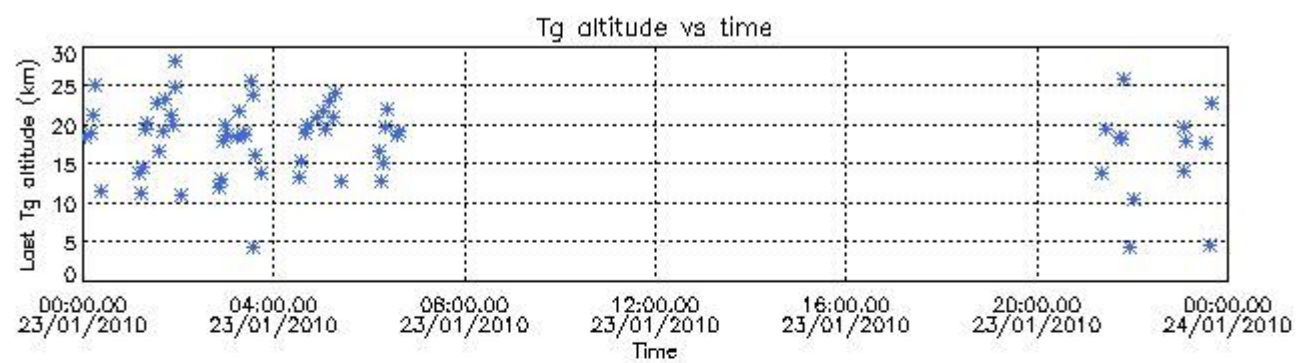
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



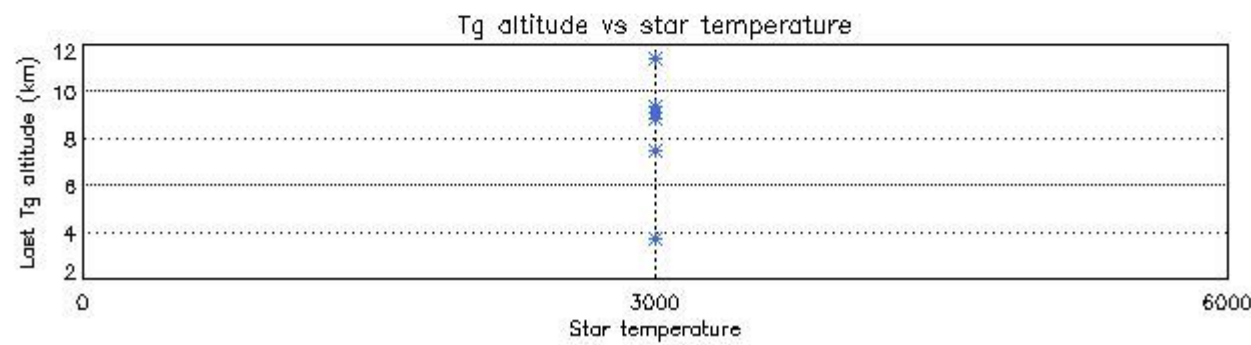
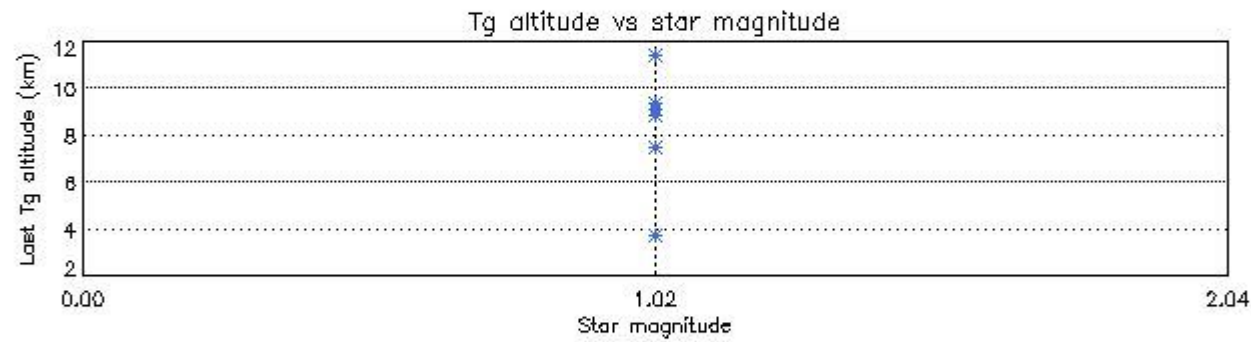
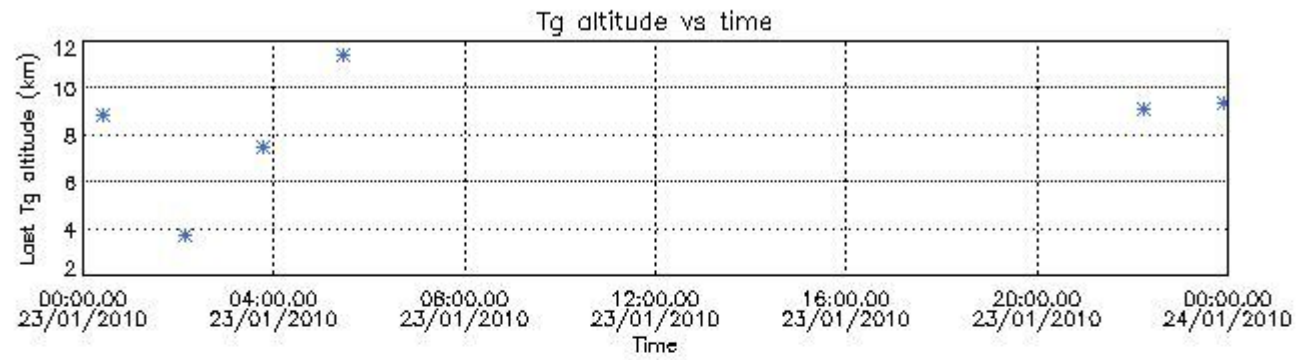
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

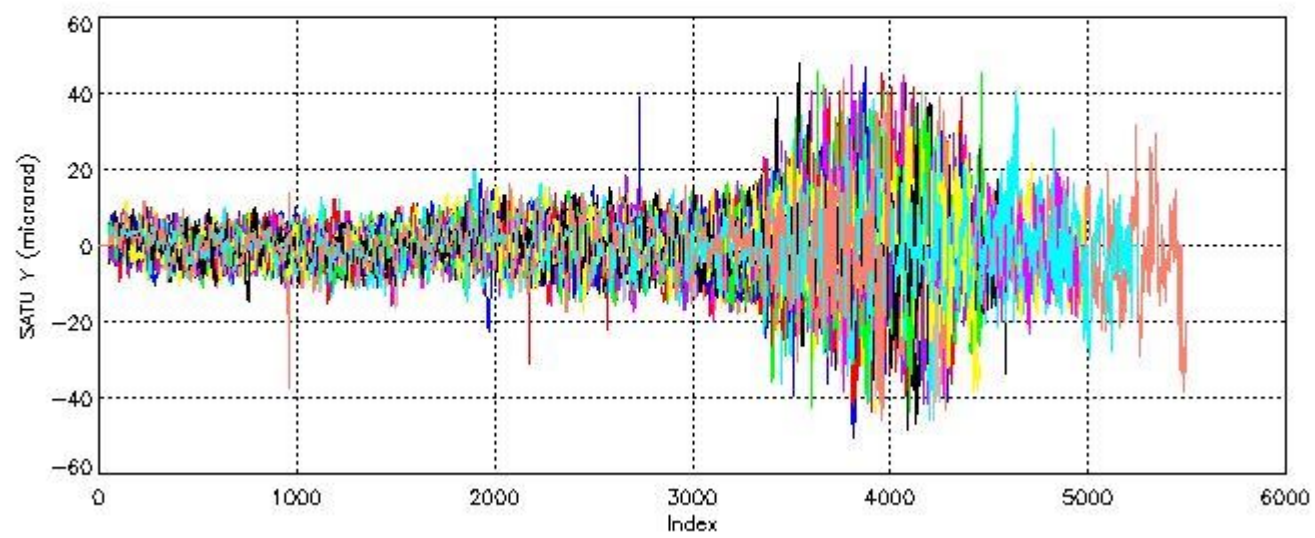
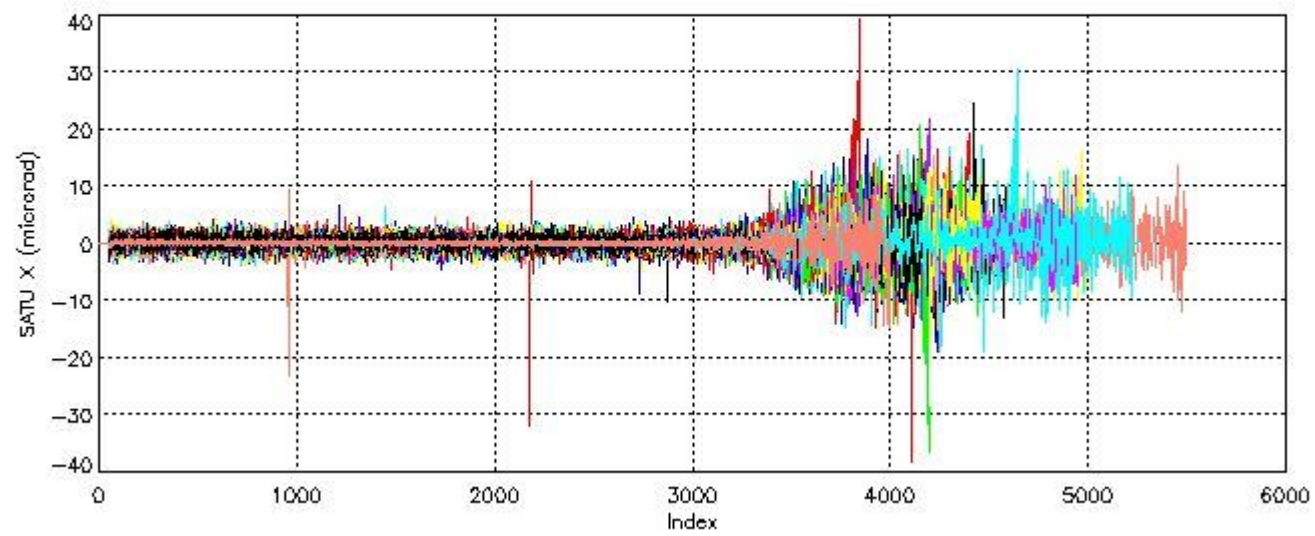


7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.



7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.12620	0.28619	0.099916	-0.13021
St. deviation:	0.67320	2.9813	0.68035	3.1650
Maximum:	9.5000	13.500	5.2000	11.400
Minimum:	-23.200	-37.300	-4.4000	-13.700

Number of data:	35500.	35500.	56600.	56600.
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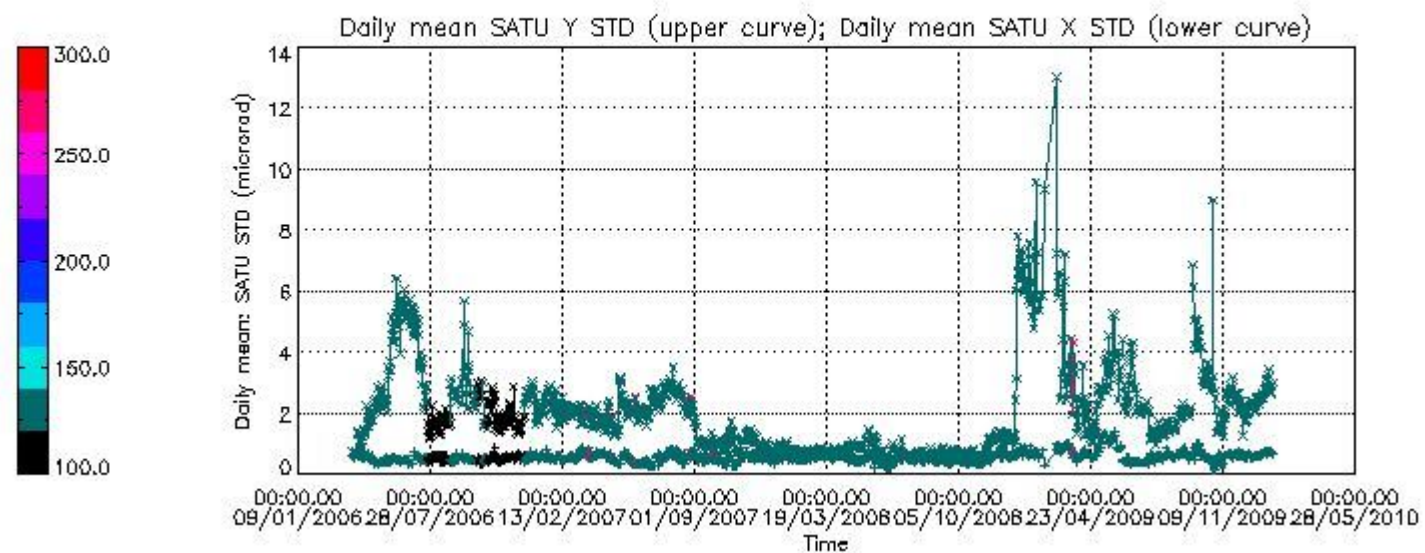
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

Upper curve: STD of SATU Y axis

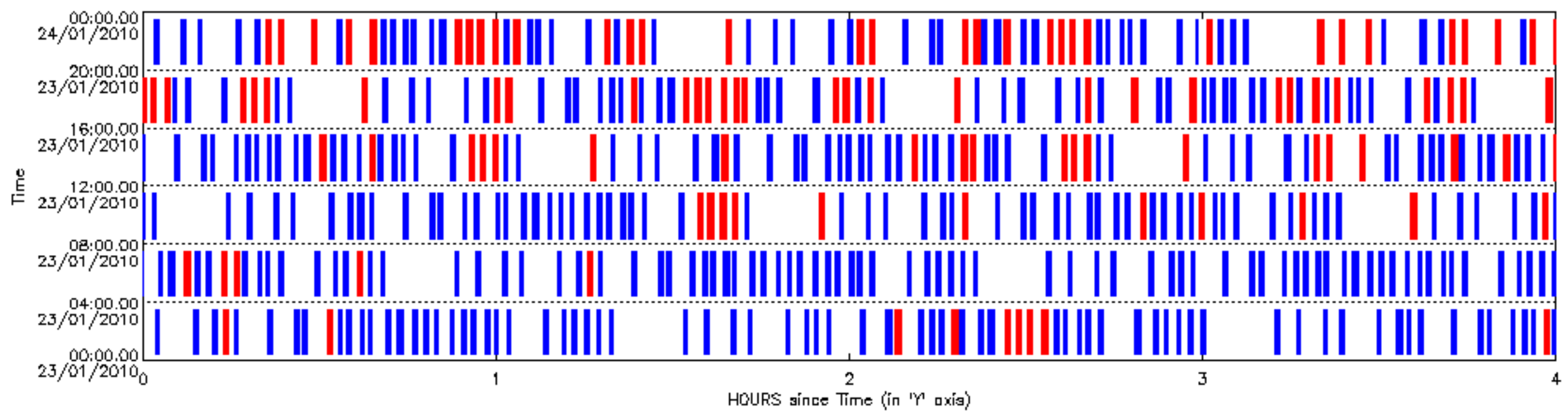
Lower curve: STD of SATU X axis

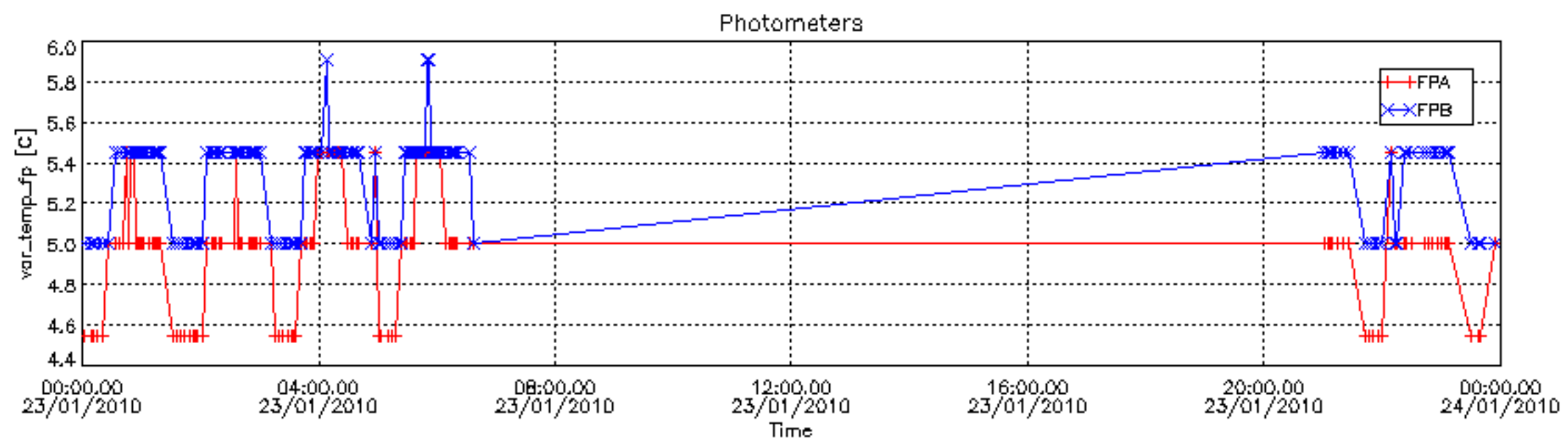
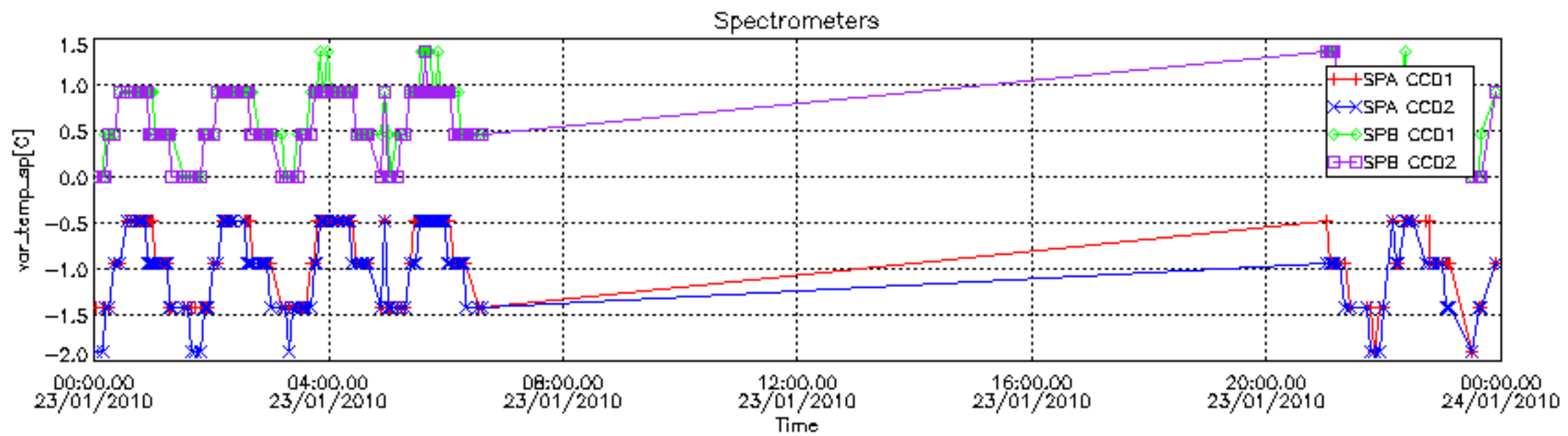


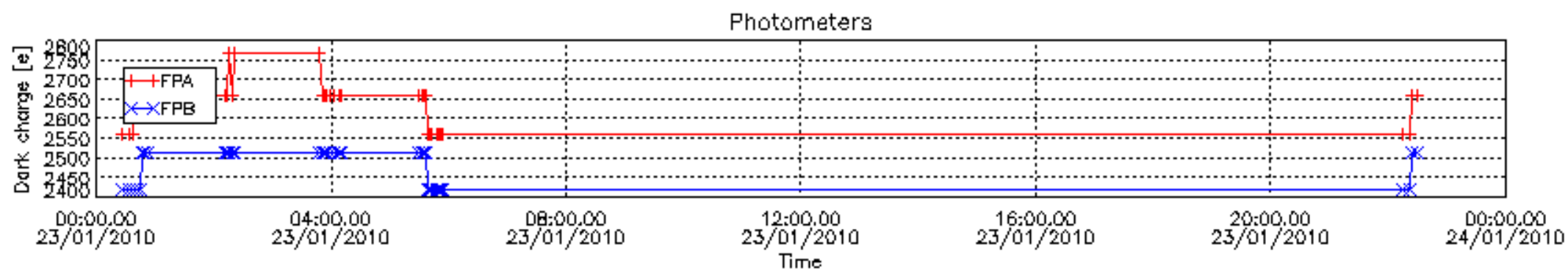
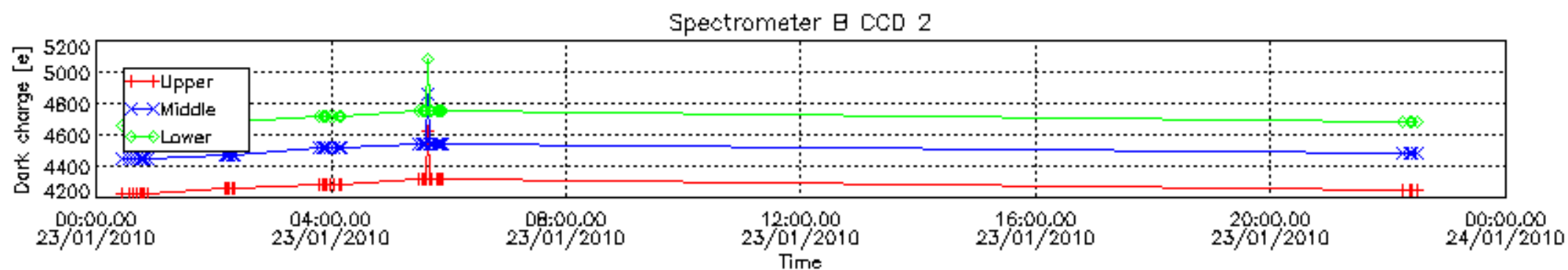
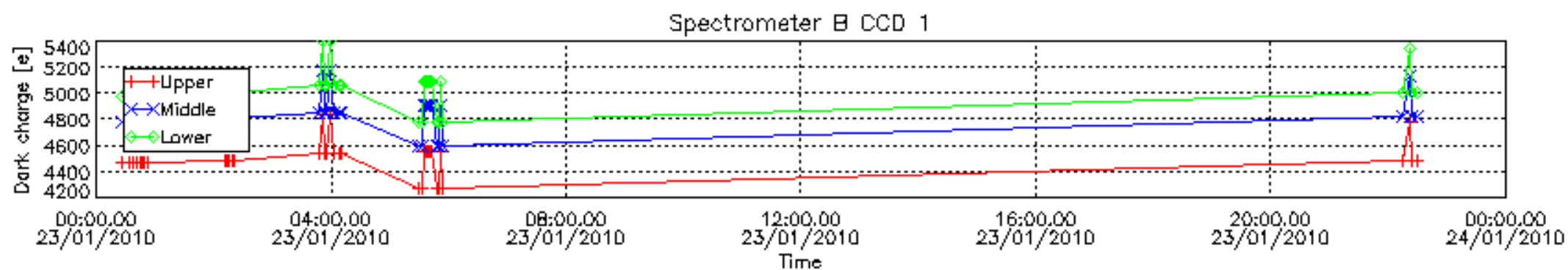
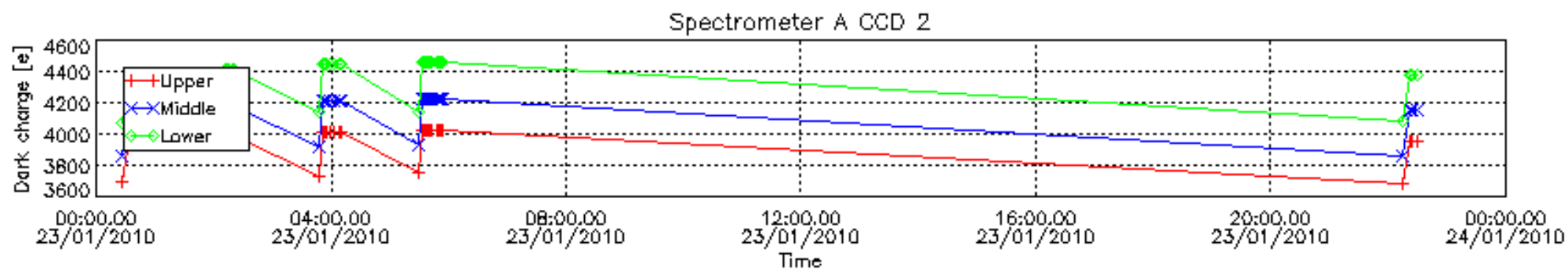
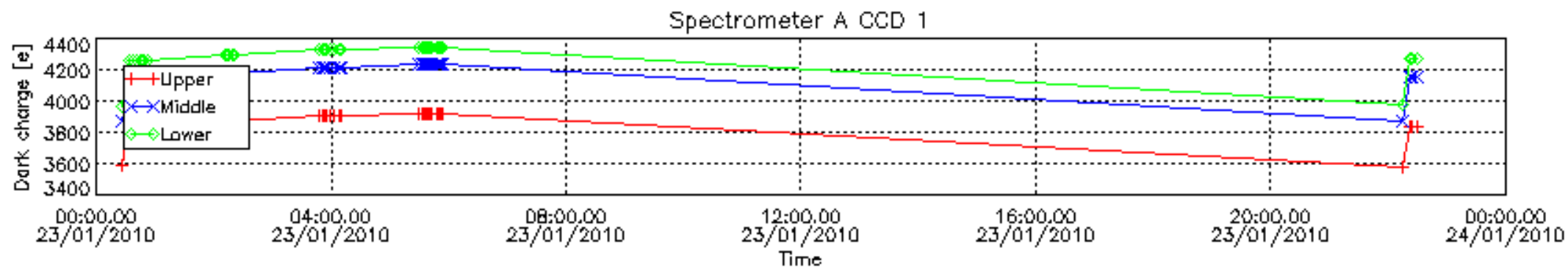
8. Auxiliary Data Files used for the production reported in section 2.4

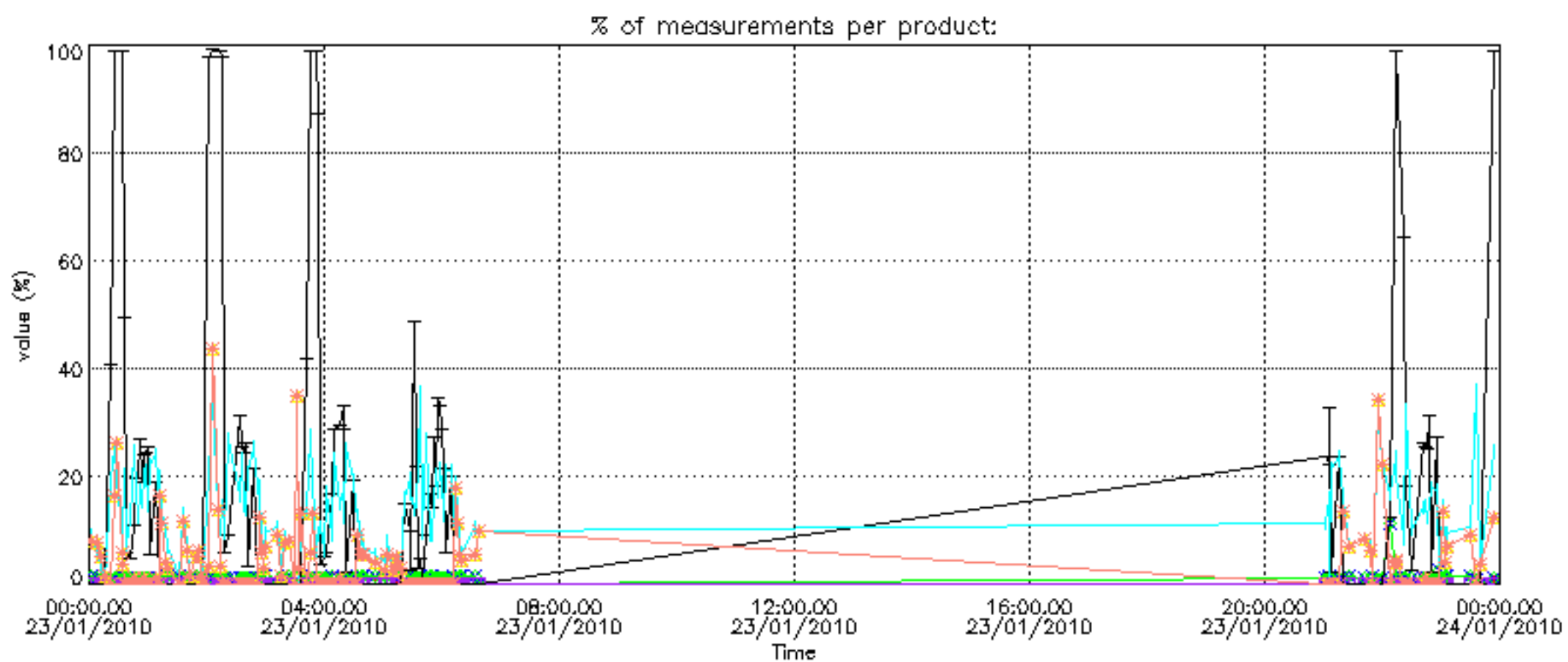
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	23-JAN-2010 00:02:04
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100120_153031_20100118_000000_20500101_000000	1	23-JAN-2010 00:02:04
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	23-JAN-2010 00:02:04
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	23-JAN-2010 00:02:04
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	23-JAN-2010 00:02:04
ECMWF_FILE	AUX_ECF_AXNECM20100122_062111_20100122_210000_20100123_090000	1	23-JAN-2010 00:02:04
ECMWF_FILE	AUX_ECF_AXNECM20100122_180111_20100123_030000_20100123_150000	55	23-JAN-2010 03:15:54
ECMWF_FILE	AUX_ECA_AXNECM20100123_060111_20100122_210000_20100123_090000	82	23-JAN-2010 04:56:30
ECMWF_FILE	AUX_ECF_AXNECM20100123_062111_20100123_210000_20100124_090000	114	23-JAN-2010 21:01:21
OPTIONAL_ECMWF_FILE	MISSING	1	23-JAN-2010 00:02:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100122_223909_000057382086_00158_41294_9621.N1	1	23-JAN-2010 00:02:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100123_002006_000054192086_00159_41295_9622.N1	6	23-JAN-2010 00:25:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100123_015544_000041442086_00160_41296_9623.N1	36	23-JAN-2010 02:01:41
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100123_010109_20100122_193248_20100201_205901	55	23-JAN-2010 03:15:54
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100123_045623_000057382086_00162_41298_9625.N1	82	23-JAN-2010 04:56:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100123_205804_000038252086_00172_41308_9626.N1	114	23-JAN-2010 21:01:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100123_220708_000057382086_00172_41308_9627.N1	126	23-JAN-2010 22:08:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100123_234805_000057382086_00173_41309_9628.N1	145	23-JAN-2010 23:54:05

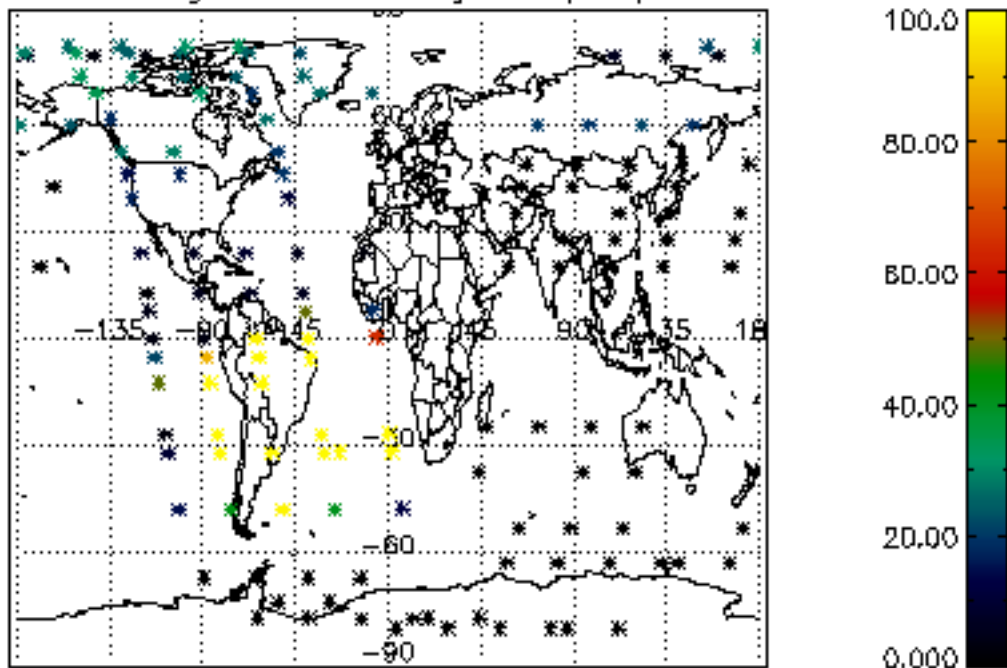




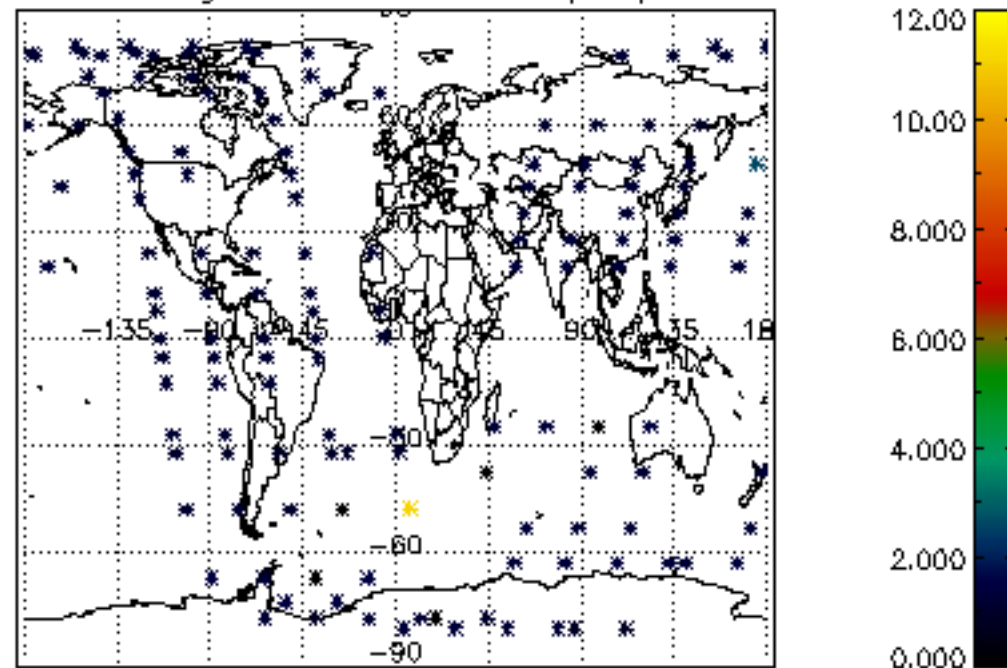




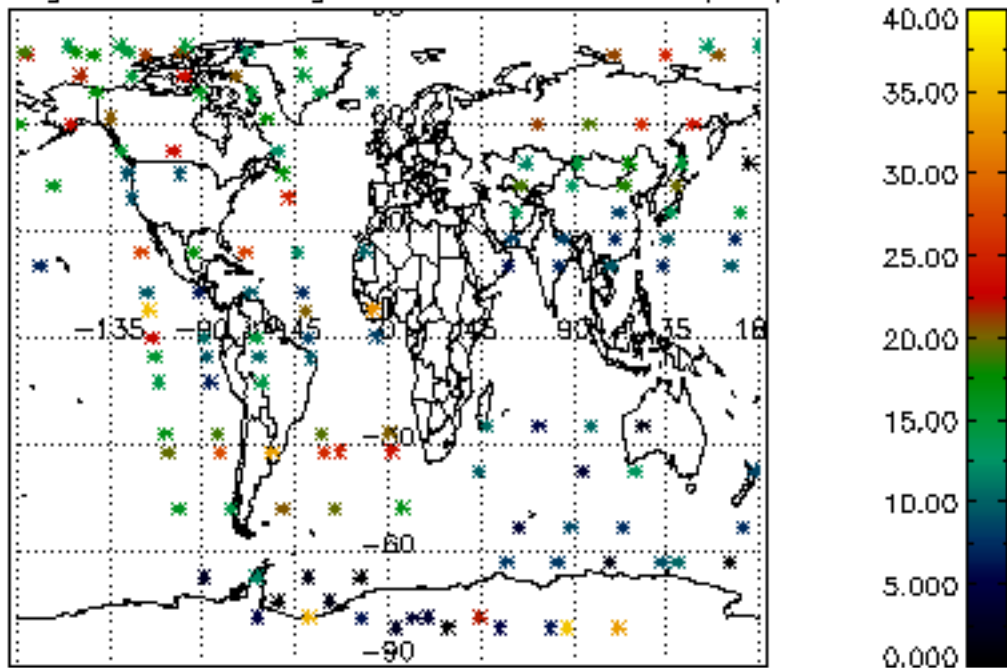
Percentage of cosmic ray hits per profile



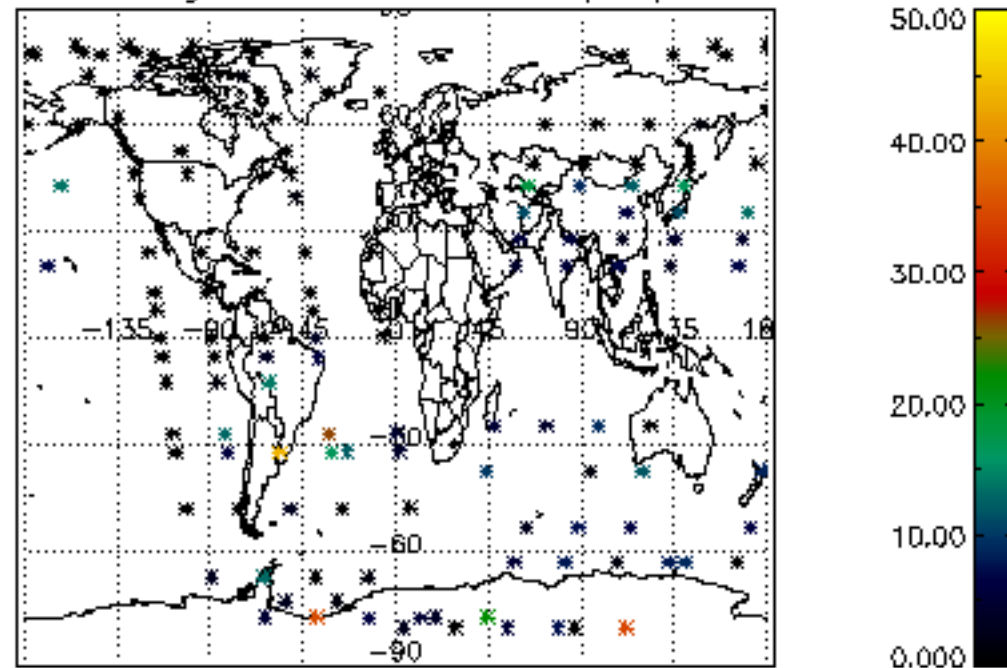
Percentage of datation errors per profile



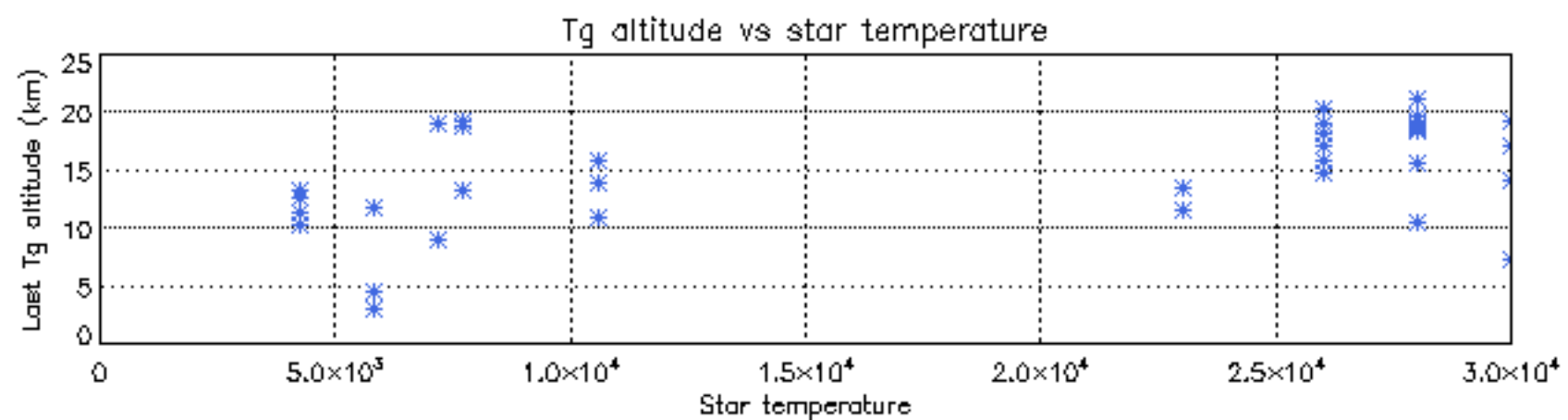
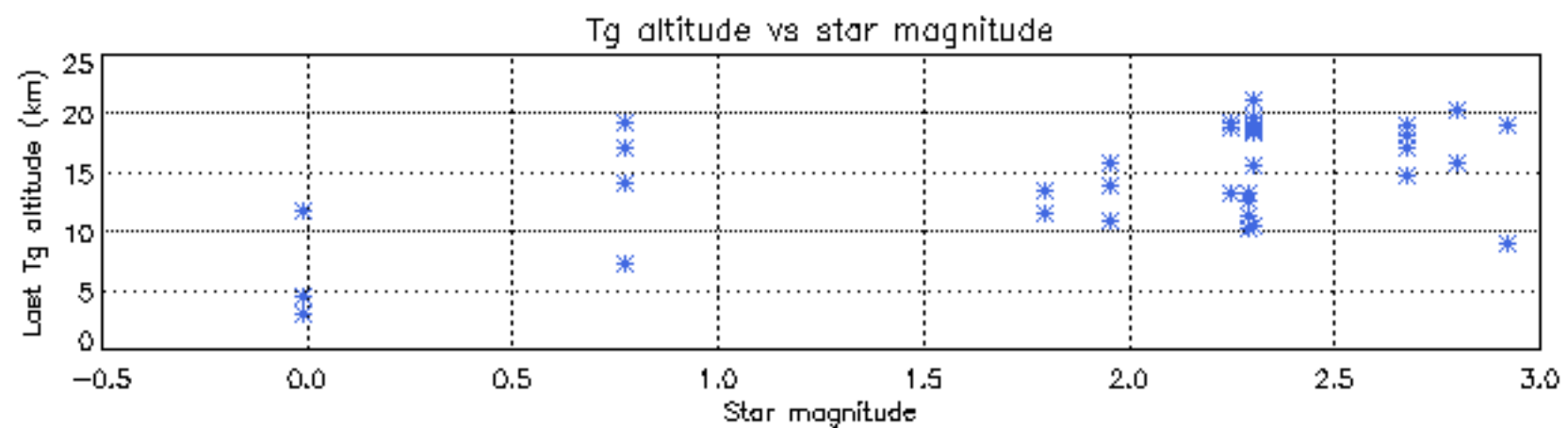
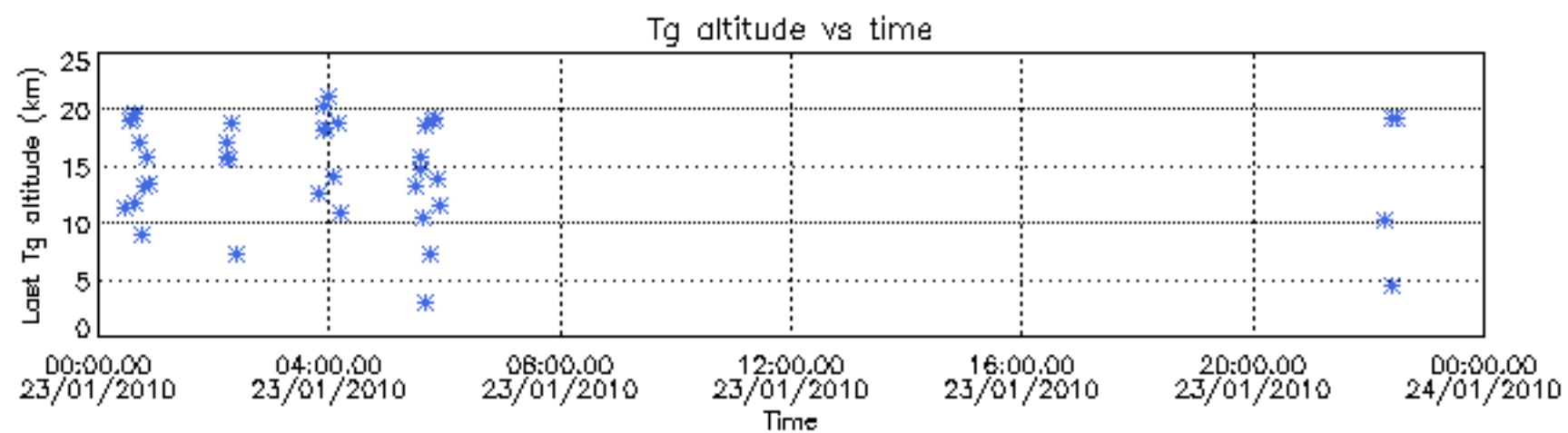
Percentage of star falling outside central band per profile



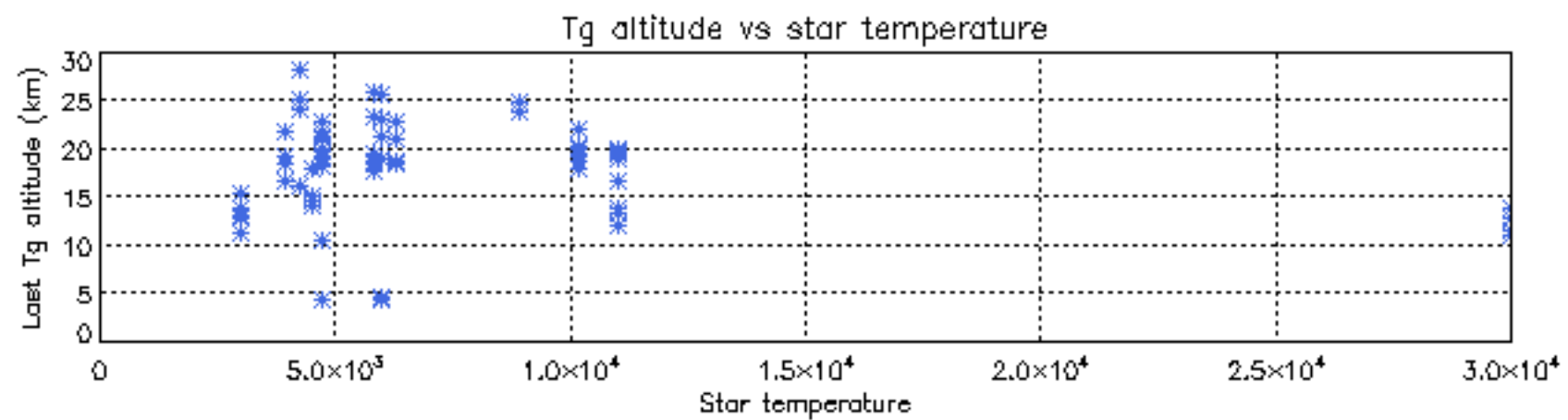
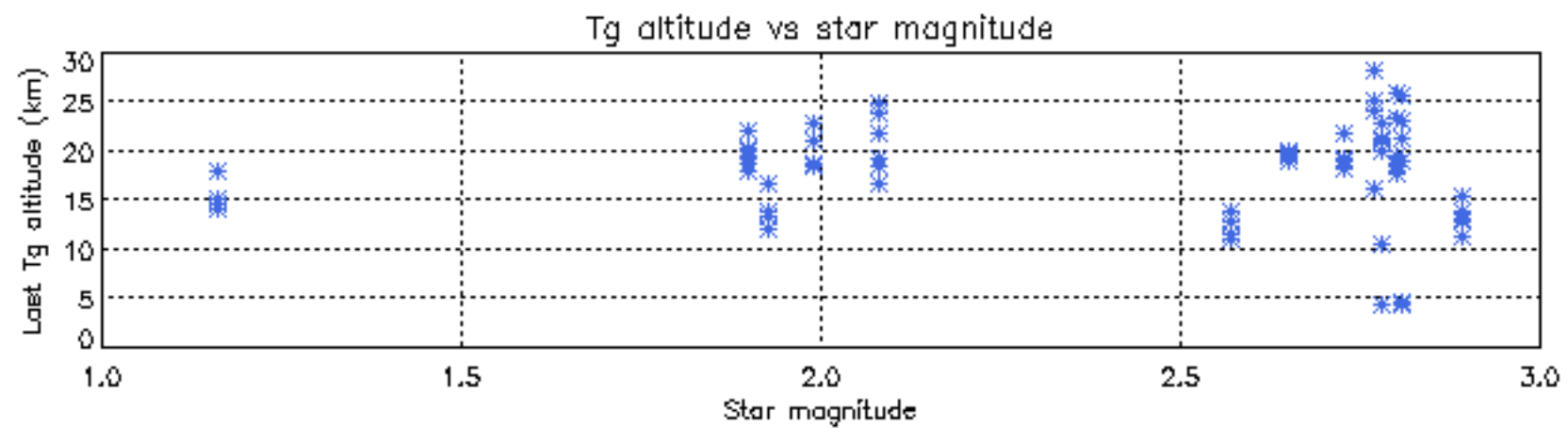
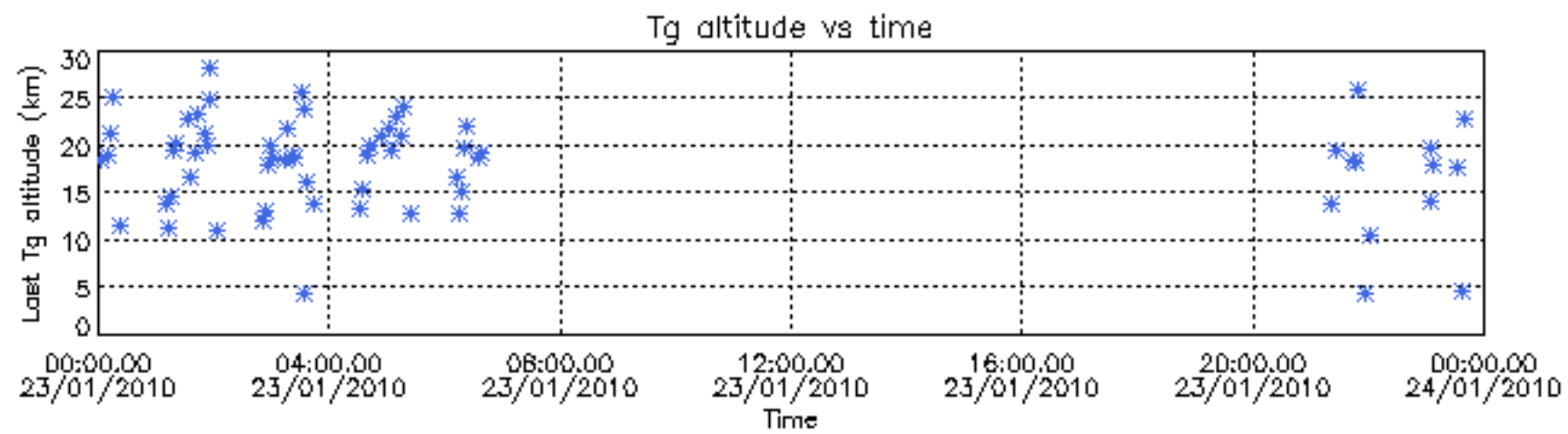
Percentage of saturation errors per profile



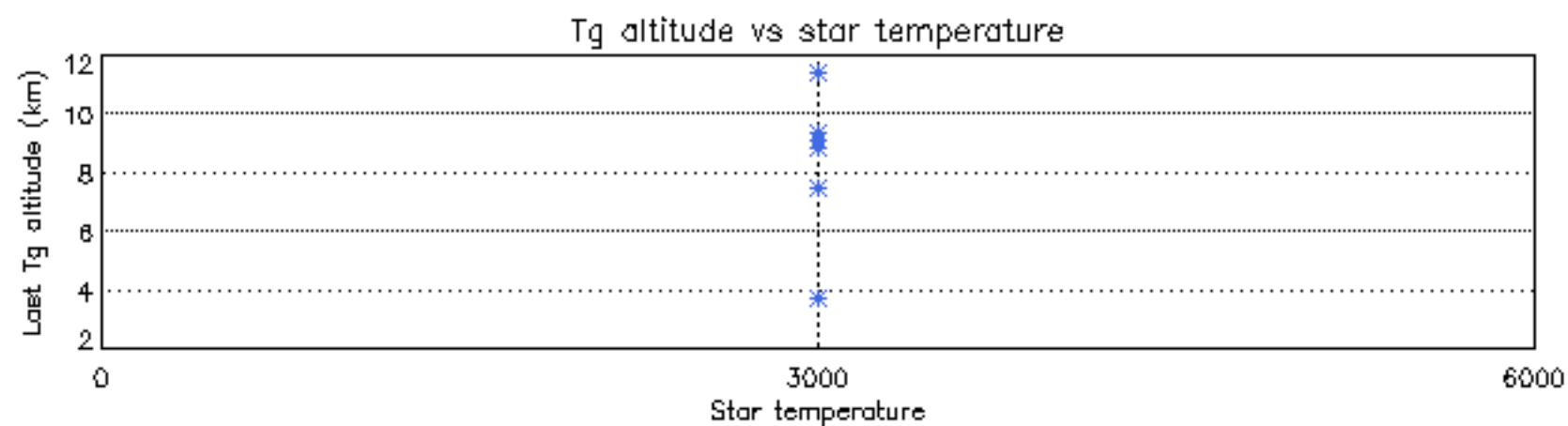
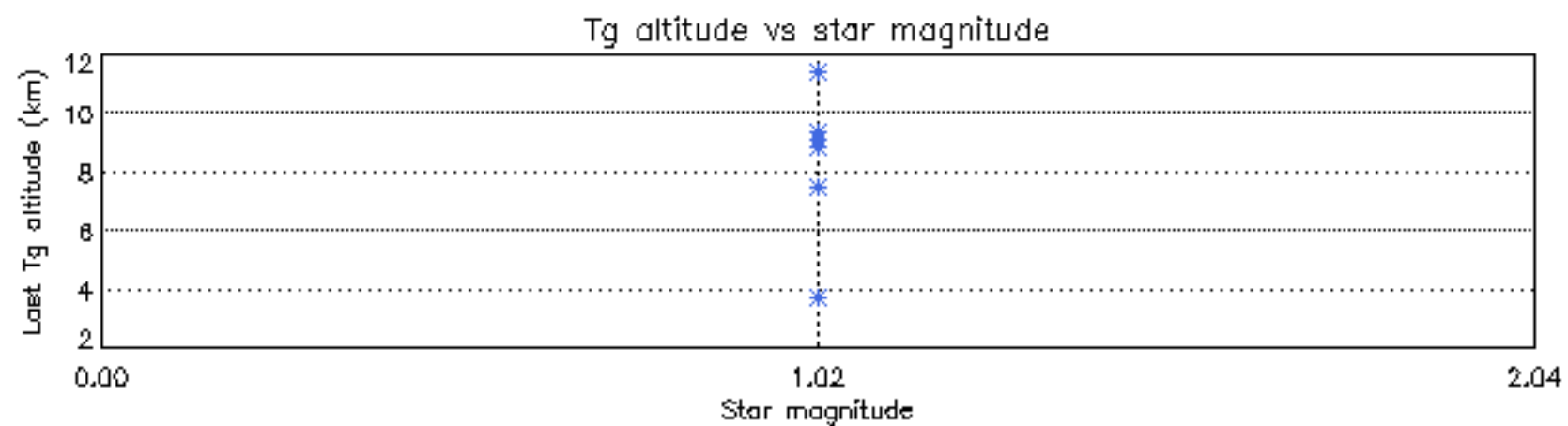
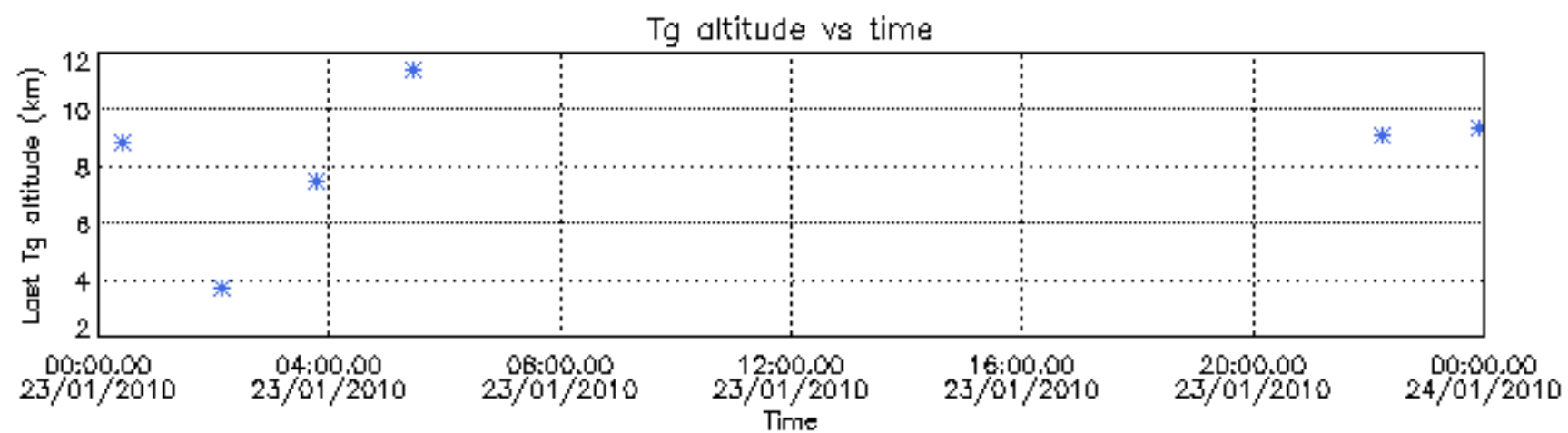
Tangent altitude at which the star is lost

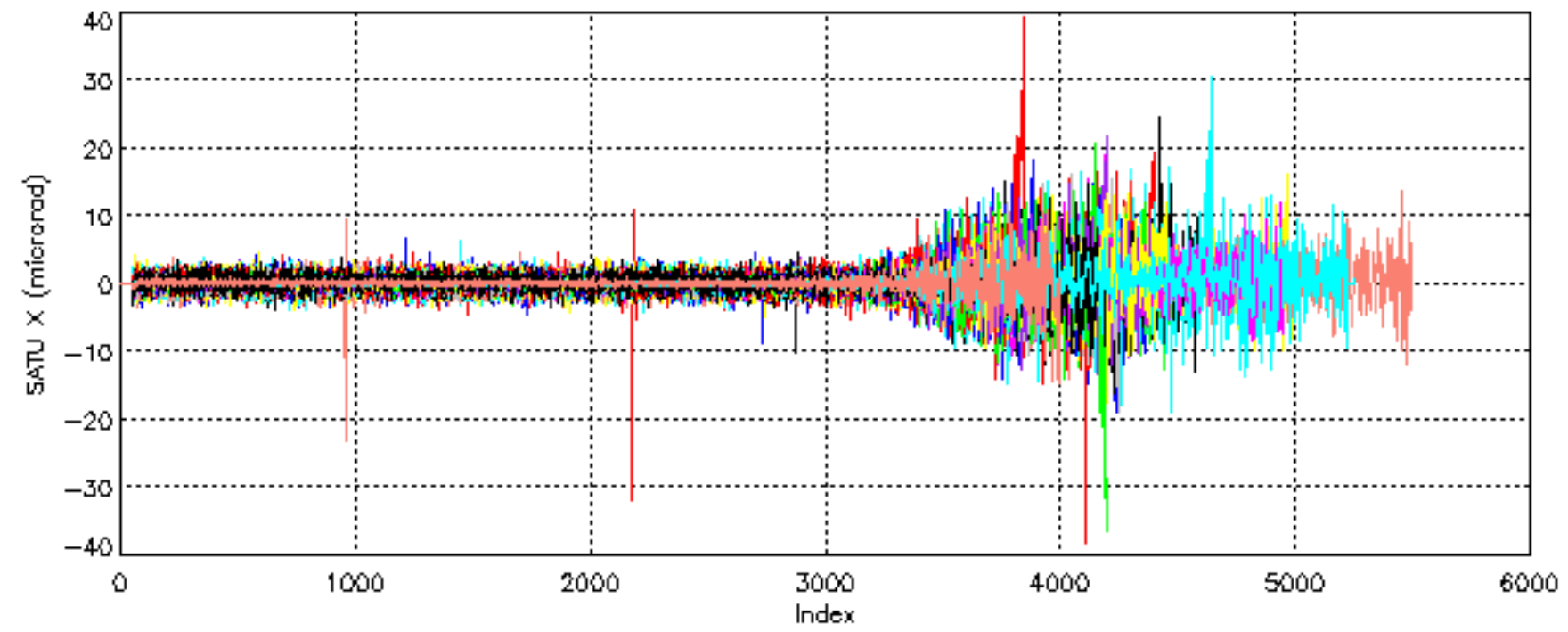


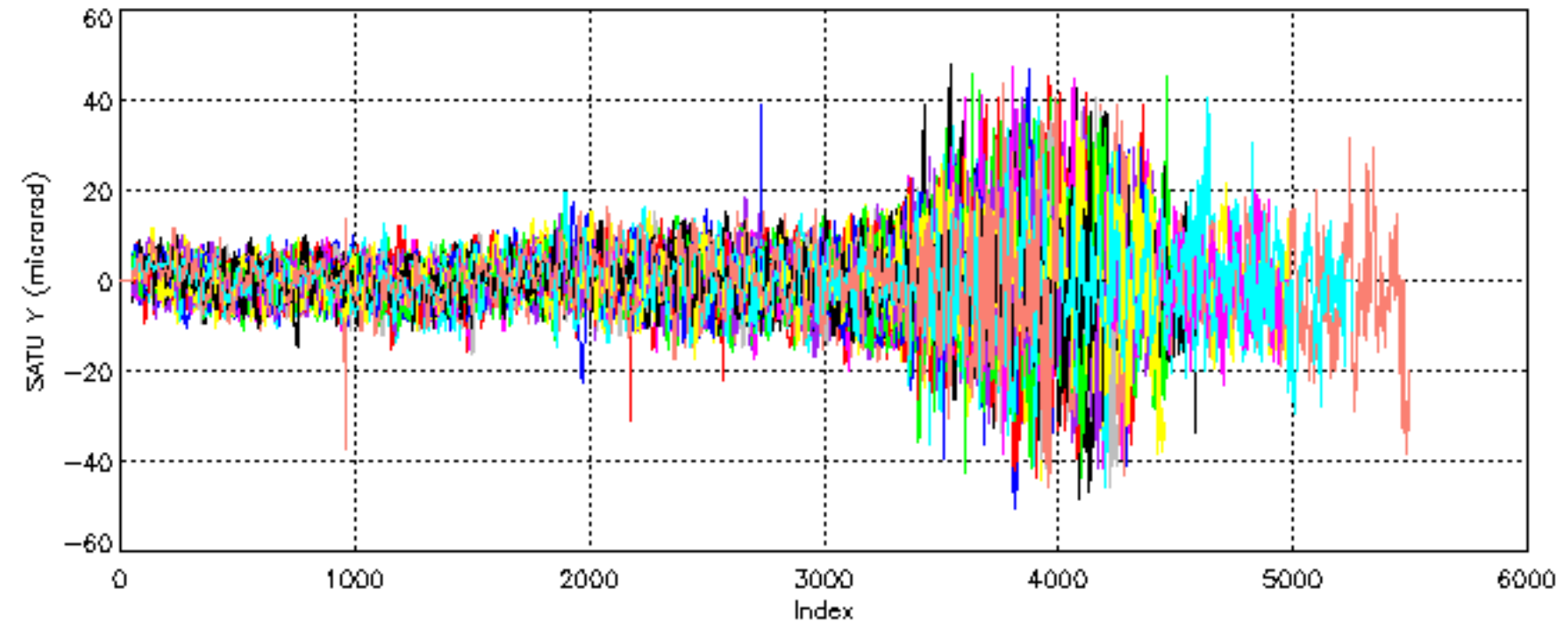
Tangent altitude at which the star is lost

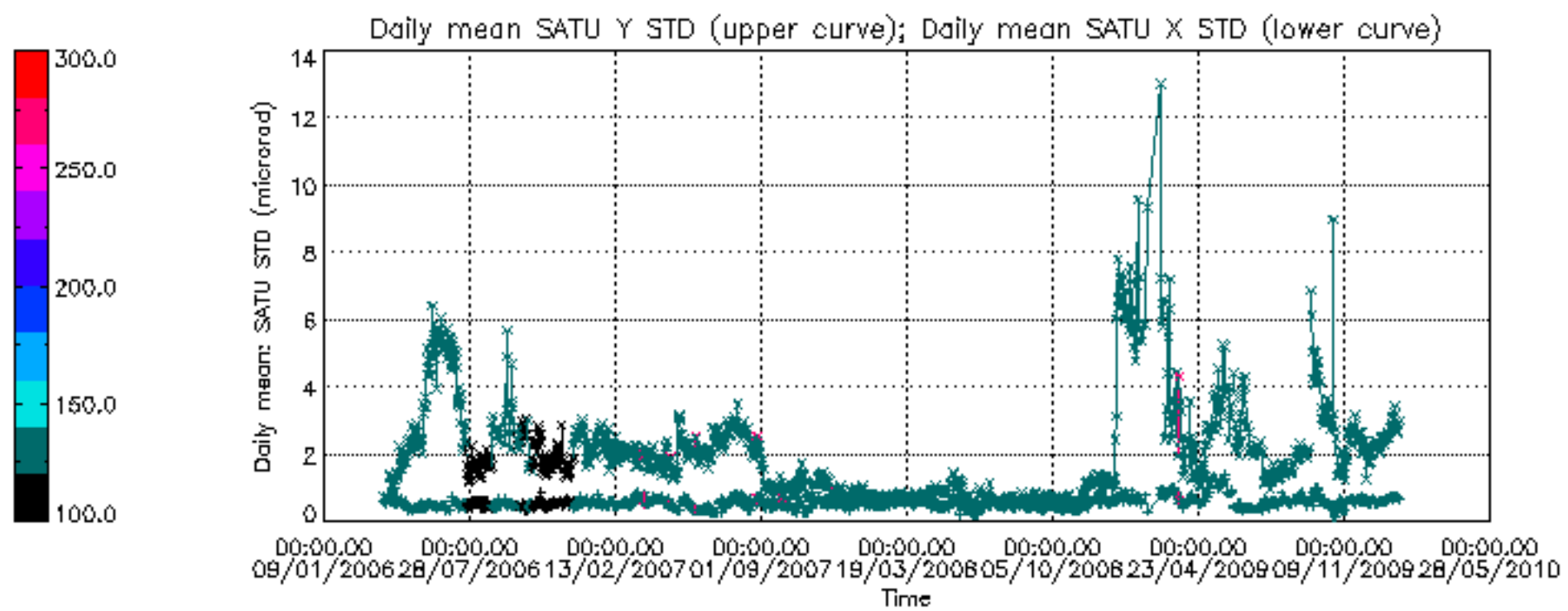


Tangent altitude at which the star is lost









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

1; -682.4; 01-JAN-2010 00:14:36; Dark ; 43.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 86; 0;40980
 2; -269.4; 01-JAN-2010 00:21:29; Dark ; 44.0; 54; 5The Cen ; 2.06; 4500;occ; 88; 0;40980
 3; -103.6; 01-JAN-2010 00:24:15; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 0;40980
 4; 1.0; 01-JAN-2010 00:26:00; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;40981
 5; 106.3; 01-JAN-2010 00:27:45; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40981
 6; 209.9; 01-JAN-2010 00:29:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40981
 7; 476.2; 01-JAN-2010 00:33:55; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40981
 8; 630.5; 01-JAN-2010 00:36:29; Dark ; 49.0; 71; Iot Car ; 2.25; 7700;occ; 98; 0;40981
 9; 727.5; 01-JAN-2010 00:38:06; Dark ; 51.5; 41; Eps Car ; 1.86; 4100;occ; 103; 0;40981
 10; 916.1; 01-JAN-2010 00:41:15; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40981
 11; 1047.9; 01-JAN-2010 00:43:26; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;40981
 12; 1172.3; 01-JAN-2010 00:45:31; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;40981
 13; 1340.4; 01-JAN-2010 00:48:19; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;40981
 14; 1433.2; 01-JAN-2010 00:49:52; Dark ; 44.0; 179; 240mi2CMA ; 3.03; 24000;occ; 88; 0;40981
 15; 1581.4; 01-JAN-2010 00:52:20; Dark ; 45.0; 1; 9Alp CMA ; -1.44; 11000;occ; 90; 0;40981
 16; 1730.7; 01-JAN-2010 00:54:49; Dark ; 36.0; 56; 53Kap Ori ; 2.07; 30000;occ; 72; 0;40981
 17; 1881.4; 01-JAN-2010 00:57:20; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;40981
 18; 2032.7; 01-JAN-2010 00:59:51; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;40981
 19; 2229.2; 01-JAN-2010 01:03:08; Dark ; 53.0; 44; 24Gam Gem ; 1.93; 11000;occ; 106; 0;40981
 20; 2327.3; 01-JAN-2010 01:04:46; Bright; 44.0; 151; 13Mu Gem ; 2.89; 3000;occ; 88; 0;40981
 21; 2566.8; 01-JAN-2010 01:08:45; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;40981
 22; 2692.3; 01-JAN-2010 01:10:51; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;40981
 23; 3691.0; 01-JAN-2010 01:27:30; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;40981
 24; 3911.7; 01-JAN-2010 01:31:10; Bright; 50.5; 32; 77Eps UMa ; 1.76; 11000;occ; 101; 0;40981
 25; 4108.8; 01-JAN-2010 01:34:27; Bright; 66.0; 39; 85Eta UMa ; 1.85; 24000;occ; 132; 0;40981
 26; 4353.0; 01-JAN-2010 01:38:32; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;40981
 27; 4574.5; 01-JAN-2010 01:42:13; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;40981
 28; 4770.9; 01-JAN-2010 01:45:29; Bright; 53.5; 3; 16Alp Boo ; -0.05; 4250;occ; 107; 0;40981
 29; 5194.3; 01-JAN-2010 01:52:33; Bright; 55.5; 104; 27Bet Lib ; 2.61; 13100;occ; 111; 0;40981

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100101_015236_000045682085_00346_40981_9244.N1

1; -838.1; 01-JAN-2010 01:52:36; Bright; 56.0; 104; 27Bet Lib ; 2.61; 13100;occ; 112; 7;40981
 2; -681.9; 01-JAN-2010 01:55:13; Dark ; 43.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 87; 0;40981
 3; -268.9; 01-JAN-2010 02:02:06; Dark ; 54.0; 54; 5The Cen ; 2.06; 4500;occ; 108; 0;40981
 4; -102.9; 01-JAN-2010 02:04:52; Dark ; 39.5; 95; Zet Cen ; 2.55; 26000;occ; 79; 0;40981
 5; 1.6; 01-JAN-2010 02:06:36; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;40982
 6; 107.0; 01-JAN-2010 02:08:22; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;40982
 7; 210.8; 01-JAN-2010 02:10:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40982
 8; 477.2; 01-JAN-2010 02:14:32; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;40982
 9; 631.0; 01-JAN-2010 02:17:05; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40982
 10; 745.4; 01-JAN-2010 02:19:00; Dark ; 46.0; 46; Del Vel ; 1.95; 10600;occ; 92; 0;40982
 11; 916.7; 01-JAN-2010 02:21:51; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40982
 12; 1048.4; 01-JAN-2010 02:24:03; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40982
 13; 1172.7; 01-JAN-2010 02:26:07; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;40982
 14; 1340.9; 01-JAN-2010 02:28:55; Dark ; 46.5; 23; 21Eps CMA ; 1.50; 26000;occ; 93; 0;40982
 15; 1433.4; 01-JAN-2010 02:30:28; Dark ; 45.0; 179; 240mi2CMA ; 3.03; 24000;occ; 90; 0;40982
 16; 1581.5; 01-JAN-2010 02:32:56; Dark ; 39.5; 1; 9Alp CMA ; -1.44; 11000;occ; 79; 0;40982
 17; 1731.0; 01-JAN-2010 02:35:25; Dark ; 41.5; 56; 53Kap Ori ; 2.07; 30000;occ; 83; 0;40982
 18; 1881.3; 01-JAN-2010 02:37:56; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;40982
 19; 2032.7; 01-JAN-2010 02:40:27; Dark ; 50.5; 14; 58Alp Ori ; 0.87; 3000;occ; 101; 0;40982
 20; 2228.8; 01-JAN-2010 02:43:43; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;40982
 21; 2327.1; 01-JAN-2010 02:45:22; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;40982
 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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23; 3900.4; 02-JAN-2010 22:47:09; Bright; 58.0; 32; 77Eps UMa ; 1.76; 11000;occ; 116; 0;41008
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9;	930.5;	02-JAN-2010	23:38:15;	Dark	;	46.5;	34;	Gam2Vel	;	1.79;	23000;occ;	93;	0;41009
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21;	3899.8;	03-JAN-2010	00:27:45;	Bright;	;	49.0;	32;	77Eps UMA	;	1.76;	11000;occ;	98;	0;41009
22;	4103.0;	03-JAN-2010	00:31:08;	Bright;	;	45.5;	39;	85Eta UMA	;	1.85;	24000;occ;	91;	0;41009
23;	4353.7;	03-JAN-2010	00:35:18;	Bright;	;	63.0;	180;	27Gam Boo	;	3.04;	8000;occ;	126;	0;41009
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27;	5207.8;	03-JAN-2010	00:49:33;	Bright;	;	36.0;	104;	27Bet Lib	;	2.61;	13100;occ;	72;	0;41009
28;	5371.0;	03-JAN-2010	00:52:16;	Dark	;	43.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	87;	0;41009
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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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22;	1437.4;	02-JAN-2010	07:00:43;	Dark	;	44.0;	179;	240mi2CMA	;	3.03;	24000;occ;	88;	0;40999
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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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9;	3904.1;	02-JAN-2010	07:41:50;	Bright;	;	46.5;	32;	77Eps UMA	;	1.76;	11000;occ;	93;	0;40999
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 15; 769.9; 04-JAN-2010 07:26:57; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41028
 16; 939.9; 04-JAN-2010 07:29:47; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41028
 17; 1071.1; 04-JAN-2010 07:31:58; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;41028
 18; 1189.1; 04-JAN-2010 07:33:56; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;41028
 19; 1353.2; 04-JAN-2010 07:36:41; Dark ; 45.0; 23; 21Eps CMa ; 1.50; 26000;occ; 90; 0;41028
 20; 1443.7; 04-JAN-2010 07:38:11; Dark ; 45.0; 179; 24Omi2CMA ; 3.03; 24000;occ; 90; 0;41028
 21; 1587.4; 04-JAN-2010 07:40:35; Dark ; 48.0; 1; 9Alp CMa ; -1.44; 11000;occ; 96; 0;41028

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

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

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

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

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

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

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

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 3; 1588.1; 04-JAN-2010 16:03:35; Dark ; 49.5; 1; 9Alp CMa ; -1.44; 11000;occ; 99; 0;41033
 4; 2031.1; 04-JAN-2010 16:10:58; Dark ; 51.5; 14; 58Alp Ori ; 0.87; 3000;occ; 103; 0;41033
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 7; 2555.6; 04-JAN-2010 16:19:43; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;41033
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 9; 3685.3; 04-JAN-2010 16:38:32; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41033
 10; 3953.8; 04-JAN-2010 16:43:01; Bright; 53.5; 55; 79Zet UMa ; 2.06; 10200;occ; 107; 0;41033
 11; 4354.5; 04-JAN-2010 16:49:41; Bright; 56.0; 180; 27Gam Boo ; 3.04; 8000;occ; 112; 0;41033
 12; 4585.9; 04-JAN-2010 16:53:33; Bright; 46.0; 83; ; 2.38; 11000;occ; 92; 0;41033
 13; 4907.3; 04-JAN-2010 16:58:54; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;41033
 14; 5219.9; 04-JAN-2010 17:04:07; Bright; 39.0; 104; 27Bet Lib ; 2.61; 13100;occ; 78; 0;41033
 15; 5387.0; 04-JAN-2010 17:06:54; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;41033
 16; 5807.0; 04-JAN-2010 17:13:54; Dark ; 48.5; 54; 5The Cen ; 2.06; 4500;occ; 97; 0;41033
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 24; 2551.8; 06-JAN-2010 03:32:13; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;41054
 25; 2684.9; 06-JAN-2010 03:34:26; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41054

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 19; 2303.4; 08-JAN-2010 00:44:15; Bright; 44.5; 151; 13Mu Gem ; 2.89; 3000;occ; 89; 0;41081
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 23; 1231.9; 14-JAN-2010 05:39:41; Dark ; 43.0; 117; Pi Pup ; 2.71; 3800;occ; 86; 0;41170
 24; 1386.2; 14-JAN-2010 05:42:15; Dark ; 42.5; 23; 21Eps CMA ; 1.50; 26000;occ; 85; 0;41170

25; 1471.8; 14-JAN-2010 05:43:41; Dark ; 41.0; 179; 240mi2CMA ; 3.03; 24000;occ; 82; 0;41170
 26; 1606.1; 14-JAN-2010 05:45:55; Dark ; 47.0; 1; 9Alp CMA ; -1.44; 11000;occ; 94; 0;41170
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 28; 2190.3; 14-JAN-2010 05:55:39; Dark ; 43.0; 44; 24Gam Gem ; 1.93; 11000;occ; 86; 0;41170
 29; 2293.0; 14-JAN-2010 05:57:22; Bright; 46.0; 151; 13Mu Gem ; 2.89; 3000;occ; 92; 0;41170
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 32; 3424.8; 14-JAN-2010 06:16:14; Bright; 38.5; 49; 1Alp UMi ; 1.99; 6300;occ; 77; 0;41170
 33; 3666.3; 14-JAN-2010 06:20:15; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;41170

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 22; 4638.0; 14-JAN-2010 23:22:26; Bright; 39.0; 127; 27Bet Her ; 2.78; 4700;occ; 78; 0;41180
 23; 4966.8; 14-JAN-2010 23:27:55; Bright; 45.0; 102; 24Alp Ser ; 2.60; 4250;occ; 90; 0;41180
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 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
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 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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 12; -88.9; 14-JAN-2010 06:58:16; Dark ; 40.0; 78; Alp Lup ; 2.30; 28000;occ; 80; 0;41170
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 19; 801.5; 14-JAN-2010 07:13:07; Dark ; 47.0; 41; Eps Car ; 1.86; 4100;occ; 94; 0;41171
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 22; 1232.1; 14-JAN-2010 07:20:17; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;41171
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 6; 3424.9; 14-JAN-2010 07:56:50; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;41171
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18; 5485.7; 21-JAN-2010 16:34:03; Dark ; 47.5; 16; 21Alp Sco ; 1.02; 3000;occ; 95; 0;41276
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 23; 6154.7; 21-JAN-2010 16:45:12; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;41276
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 25; 6425.5; 21-JAN-2010 16:49:43; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;41276
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 27; 6613.4; 21-JAN-2010 16:52:50; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41276
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 24; 6155.2; 21-JAN-2010 18:25:48; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;41277
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 28; 6613.7; 21-JAN-2010 18:33:27; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41277
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 31; 6916.2; 21-JAN-2010 18:38:29; Dark ; 44.0; 46; Del Vel ; 1.95; 10600;occ; 88; 0;41277

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 9; 2291.9; 21-JAN-2010 19:02:01; Bright; 41.5; 151; 13Mu Gem ; 2.89; 3000;occ; 83; 0;41278
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 13; 3646.4; 21-JAN-2010 19:24:36; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;41278
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2;	-457.6;	22-JAN-2010	00:58:35;	Dark	;	44.0;	75;	26Eps Sco	;	2.29;	4250;	occ;	88;	0;	41281
3;	-219.2;	22-JAN-2010	01:02:34;	Dark	;	41.5;	131;	Gam Lup	;	2.80;	26000;	occ;	83;	0;	41281
4;	-102.5;	22-JAN-2010	01:04:30;	Dark	;	43.5;	109;	Bet Lup	;	2.68;	26000;	occ;	87;	0;	41281
5;	-12.7;	22-JAN-2010	01:06:00;	Dark	;	41.5;	78;	Alp Lup	;	2.30;	28000;	occ;	83;	0;	41281
6;	120.7;	22-JAN-2010	01:08:13;	Dark	;	45.0;	4;	Alp1Cen	;	-0.01;	5800;	occ;	90;	0;	41282
7;	201.0;	22-JAN-2010	01:09:34;	Dark	;	41.5;	77;	Eps Cen	;	2.30;	28000;	occ;	83;	0;	41282
8;	392.0;	22-JAN-2010	01:12:45;	Dark	;	48.5;	12;	Alp1Cru	;	0.77;	30000;	occ;	97;	0;	41282
9;	489.8;	22-JAN-2010	01:14:23;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	41282
10;	579.3;	22-JAN-2010	01:15:52;	Dark	;	39.5;	124;	The Car	;	2.76;	30000;	occ;	79;	0;	41282
11;	658.1;	22-JAN-2010	01:17:11;	Dark	;	42.5;	159;	Ups Car	;	2.92;	7200;	occ;	85;	0;	41282
12;	771.9;	22-JAN-2010	01:19:05;	Dark	;	44.0;	71;	Iot Car	;	2.25;	7700;	occ;	88;	0;	41282
13;	881.5;	22-JAN-2010	01:20:54;	Dark	;	43.5;	46;	Del Vel	;	1.95;	10600;	occ;	87;	0;	41282
14;	1039.7;	22-JAN-2010	01:23:32;	Dark	;	44.5;	34;	Gam2Vel	;	1.79;	23000;	occ;	89;	0;	41282
15;	1166.6;	22-JAN-2010	01:25:39;	Dark	;	43.0;	70;	Zet Pup	;	2.25;	39000;	occ;	86;	0;	41282
16;	1258.8;	22-JAN-2010	01:27:12;	Dark	;	43.5;	117;	Pi Pup	;	2.71;	3800;	occ;	87;	0;	41282
17;	1408.3;	22-JAN-2010	01:29:41;	Dark	;	44.0;	23;	21Eps CMA	;	1.50;	26000;	occ;	88;	0;	41282
18;	1491.7;	22-JAN-2010	01:31:05;	Dark	;	41.5;	179;	240mi2CMA	;	3.03;	24000;	occ;	83;	0;	41282
19;	1621.9;	22-JAN-2010	01:33:15;	Dark	;	45.0;	1;	9Alp CMA	;	-1.44;	11000;	occ;	90;	0;	41282
20;	1998.6;	22-JAN-2010	01:39:31;	Dark	;	49.5;	8;	10Alp CMI	;	0.40;	6500;	occ;	99;	0;	41282
21;	2186.4;	22-JAN-2010	01:42:39;	Dark	;	47.5;	44;	24Gam Gem	;	1.93;	11000;	occ;	95;	0;	41282
22;	2292.0;	22-JAN-2010	01:44:25;	Bright;	;	42.0;	151;	13Mu Gem	;	2.89;	3000;	occ;	84;	0;	41282
23;	2427.8;	22-JAN-2010	01:46:41;	Bright;	;	45.5;	17;	78Bet Gem	;	1.16;	4500;	occ;	91;	0;	41282
24;	2544.2;	22-JAN-2010	01:48:37;	Bright;	;	36.0;	107;	37The Aur	;	2.65;	11000;	occ;	72;	0;	41282
25;	2673.2;	22-JAN-2010	01:50:46;	Bright;	;	36.5;	42;	34Bet Aur	;	1.90;	10200;	occ;	73;	0;	41282
26;	3426.2;	22-JAN-2010	02:03:19;	Bright;	;	35.5;	49;	1Alp UMI	;	1.99;	6300;	occ;	71;	0;	41282
27;	3645.9;	22-JAN-2010	02:06:59;	Bright;	;	40.5;	60;	7Bet UMI	;	2.08;	3950;	occ;	81;	0;	41282
28;	3915.6;	22-JAN-2010	02:11:28;	Bright;	;	39.0;	119;	14Eta Dra	;	2.73;	4700;	occ;	78;	0;	41282
29;	4084.0;	22-JAN-2010	02:14:17;	Bright;	;	35.0;	130;	23Bet Dra	;	2.80;	5800;	occ;	70;	0;	41282
30;	4467.1;	22-JAN-2010	02:20:40;	Bright;	;	37.5;	133;	40Zet Her	;	2.81;	6000;	occ;	75;	0;	41282
31;	4663.0;	22-JAN-2010	02:23:56;	Bright;	;	40.5;	127;	27Bet Her	;	2.78;	4700;	occ;	81;	0;	41282
32;	4761.5;	22-JAN-2010	02:25:34;	Bright;	;	34.0;	59;	55Alp Oph	;	2.08;	8900;	occ;	68;	0;	41282

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2;	-1952.0;	22-JAN-2010	03:54:53;	Bright;	;	37.5;	130;	23Bet Dra	;	2.80;	5800;	occ;	75;	0;	41283
3;	-1568.4;	22-JAN-2010	04:01:16;	Bright;	;	38.5;	133;	40Zet Her	;	2.81;	6000;	occ;	77;	0;	41283
4;	-1372.8;	22-JAN-2010	04:04:32;	Bright;	;	58.0;	127;	27Bet Her	;	2.78;	4700;	occ;	116;	0;	41283
5;	-1274.2;	22-JAN-2010	04:06:10;	Bright;	;	41.0;	59;	55Alp Oph	;	2.08;	8900;	occ;	82;	0;	41283
6;	-546.7;	22-JAN-2010	04:18:18;	Dark	;	49.5;	16;	21Alp Sco	;	1.02;	3000;	occ;	99;	0;	41283
7;	-456.5;	22-JAN-2010	04:19:48;	Dark	;	44.5;	75;	26Eps Sco	;	2.29;	4250;	occ;	89;	0;	41283
8;	-217.6;	22-JAN-2010	04:23:47;	Dark	;	40.0;	131;	Gam Lup	;	2.80;	26000;	occ;	80;	0;	41283
9;	-100.7;	22-JAN-2010	04:25:44;	Dark	;	43.0;	109;	Bet Lup	;	2.68;	26000;	occ;	86;	0;	41283
10;	-11.0;	22-JAN-2010	04:27:14;	Dark	;	42.0;	78;	Alp Lup	;	2.30;	28000;	occ;	84;	0;	41283
11;	121.8;	22-JAN-2010	04:29:26;	Dark	;	54.0;	4;	Alp1Cen	;	-0.01;	5800;	occ;	108;	0;	41284
12;	202.6;	22-JAN-2010	04:30:47;	Dark	;	40.5;	77;	Eps Cen	;	2.30;	28000;	occ;	81;	0;	41284
13;	491.6;	22-JAN-2010	04:35:36;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	41284
14;	580.5;	22-JAN-2010	04:37:05;	Dark	;	38.5;	124;	The Car	;	2.76;	30000;	occ;	77;	0;	41284
15;	659.3;	22-JAN-2010	04:38:24;	Dark	;	38.0;	159;	Ups Car	;	2.92;	7200;	occ;	76;	0;	41284
16;	772.8;	22-JAN-2010	04:40:18;	Dark	;	39.0;	71;	Iot Car	;	2.25;	7700;	occ;	78;	0;	41284
17;	882.6;	22-JAN-2010	04:42:07;	Dark	;	37.5;	46;	Del Vel	;	1.95;	10600;	occ;	75;	0;	41284
18;	1040.7;	22-JAN-2010	04:44:45;	Dark	;	39.5;	34;	Gam2Vel	;	1.79;	23000;	occ;	79;	0;	41284
19;	1167.6;	22-JAN-2010	04:46:52;	Dark	;	41.0;	70;	Zet Pup	;	2.25;	39000;	occ;	82;	0;	41284
20;	1259.8;	22-JAN-2010	04:48:25;	Dark	;	41.5;	117;	Pi Pup	;	2.71;	3800;	occ;	83;	0;	41284
21;	1409.0;	22-JAN-2010	04:50:54;	Dark	;	40.0;	23;	21Eps CMA	;	1.50;	26000;	occ;	80;	0;	41284
22;	1492.3;	22-JAN-2010	04:52:17;	Dark	;	39.5;	179;	240mi2CMA	;	3.03;	24000;	occ;	79;	0;	41284
23;	1622.8;	22-JAN-2010	04:54:28;	Dark	;	44.0;	1;	9Alp CMA	;	-1.44;	11000;	occ;	88;	0;	41284
24;	1999.1;	22-JAN-2010	05:00:44;	Dark	;	47.0;	8;	10Alp CMI	;	0.40;	6500;	occ;	94;	0;	41284
25;	2186.6;	22-JAN-2010	05:03:51;	Dark	;	52.0;	44;	24Gam Gem	;	1.93;	11000;	occ;	104;	0;	41284
26;	2292.4;	22-JAN-2010	05:05:37;	Bright;	;	36.0;	151;	13Mu Gem	;	2.89;	3000;	occ;	72;	0;	41284
27;	2427.3;	22-JAN-2010	05:07:52;	Bright;	;	43.5;	17;	78Bet Gem	;	1.16;	4500;	occ;	87;	0;	41284
28;	2545.0;	22-JAN-2010	05:09:50;	Bright;	;	52.0;	107;	37The Aur	;	2.65;	11000;	occ;	104;	0;	41284
29;	2673.9;	22-JAN-2010	05:11:59;	Bright;	;	35.0;	42;	34Bet Aur	;	1.90;	10200;	occ;	70;	0;	41284
30;	3426.5;	22-JAN-2010	05:24:31;	Bright;	;	35.5;	49;	1Alp UMI	;	1.99;	6300;	occ;	71;	0;	41284
31;	3645.5;	22-JAN-2010	05:28:10;	Bright;	;	40.0;	60;	7Bet UMI	;	2.08;	3950;	occ;	80;	0;	41284

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2;	-2120.7;	22-JAN-2010	05:32:40;	Bright;	;	37.5;	119;	14Eta Dra	;	2.73;	4700;	occ;	75;	0;	41284

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 26; 3634.1; 25-JAN-2010 22:19:43; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41337
 27; 3909.0; 25-JAN-2010 22:24:18; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41337
 28; 4085.9; 25-JAN-2010 22:27:15; Bright; 51.0; 130; 23Bet Dra ; 2.80; 5800;occ; 102; 0;41337
 29; 4474.8; 25-JAN-2010 22:33:44; Bright; 42.0; 133; 40Zet Her ; 2.81; 6000;occ; 84; 0;41337
 30; 4677.3; 25-JAN-2010 22:37:06; Bright; 41.5; 127; 27Bet Her ; 2.78; 4700;occ; 83; 0;41337
 31; 4774.0; 25-JAN-2010 22:38:43; Bright; 34.5; 59; 55Alp Oph ; 2.08; 8900;occ; 69; 0;41337
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 26; 4086.0; 26-JAN-2010 00:07:51; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;41338
 27; 4474.8; 26-JAN-2010 00:14:19; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;41338
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 6; -1264.2; 25-JAN-2010 07:33:17; Bright; 34.5; 59; 55Alp Oph ; 2.08; 8900;occ; 69; 0;41328
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 13; 143.9; 25-JAN-2010 07:56:45; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 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
7; 3426.6; 25-JAN-2010 08:51:28; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;41329
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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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28; 7305.6; 25-JAN-2010 13:17:19; Dark ; 41.0; 117; Pi Pup ; 2.71; 3800;occ; 82; 0;41331
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5; 2412.7; 25-JAN-2010 13:36:22; Bright; 42.5; 17; 78Bet Gem ; 1.16; 4500;occ; 85; 0;41332
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