

GOMOS Daily Report 31-JAN-2011

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	03FEB2011 04:57:53
Data source version	GOMOS/5.01
Start time of products	31JAN2011 00:01:14
Stop time of products	31JAN2011 23:59:55
Store outputs in DB	Yes
Nb of level 1b prods	115
Nb of prods with errors	1

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

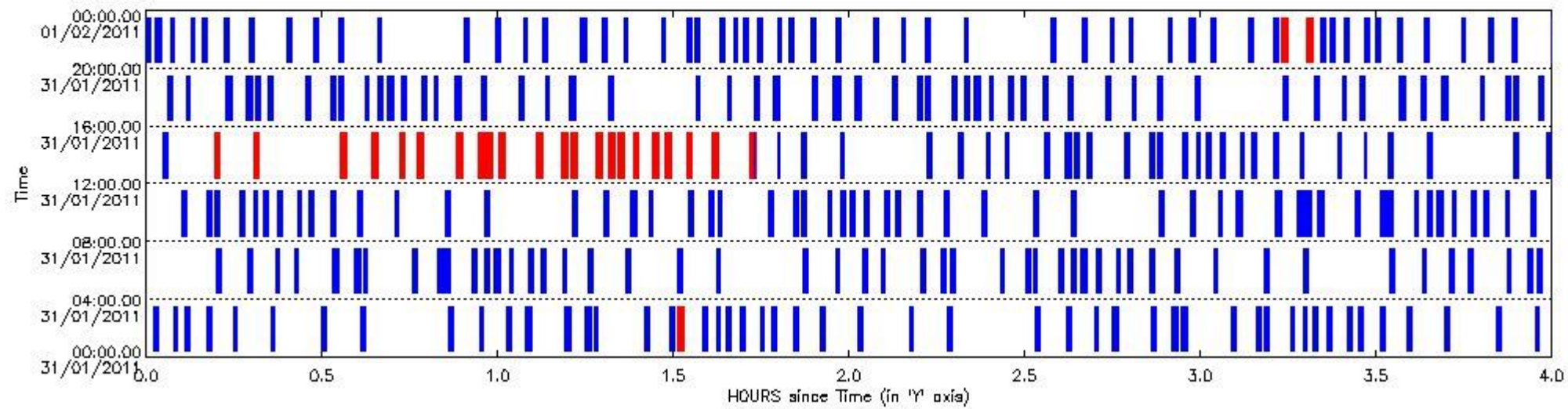
2.1 Level 0 products arrived in PCF (see template [here](#))

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
31-JAN-2011 01:30:37	6PiSco	158	46640
31-JAN-2011 12:11:35	10AlpCMi	8	46647
31-JAN-2011 12:18:14	78BetGem	17	46647
31-JAN-2011 12:33:04	50AlpUMa	36	46647
31-JAN-2011 12:38:30	7BetUMi	60	46647
31-JAN-2011 12:43:11	14EtaDra	119	46647
31-JAN-2011 12:46:21	23BetDra	130	46647
31-JAN-2011 12:52:59	40ZetHer	133	46647
31-JAN-2011 12:56:34	27BetHer	127	46647
31-JAN-2011 12:58:08	55AlpOph	59	46647
31-JAN-2011 13:00:16	60BetOph	126	46647
31-JAN-2011 13:06:42	35EtaOph	86	46647
31-JAN-2011 13:10:59	21AlpSco	16	46647
31-JAN-2011 13:12:21	6PiSco	158	46647
31-JAN-2011 13:16:45	GamLup	131	46647

31-JAN-2011 13:18:57	BetLup	109	46648
31-JAN-2011 13:20:33	DSA1027	0	46648
31-JAN-2011 13:23:07	BetCen	10	46648
31-JAN-2011 13:26:30	Alp1Cru	12	46648
31-JAN-2011 13:28:30	DelCen	99	46648
31-JAN-2011 13:32:13	MuVel	113	46648
31-JAN-2011 13:36:38	LamVel	65	46648
31-JAN-2011 13:43:05	15RhoPup	132	46648
31-JAN-2011 23:13:51	6PiSco	158	46653
31-JAN-2011 23:18:14	GamLup	131	46653

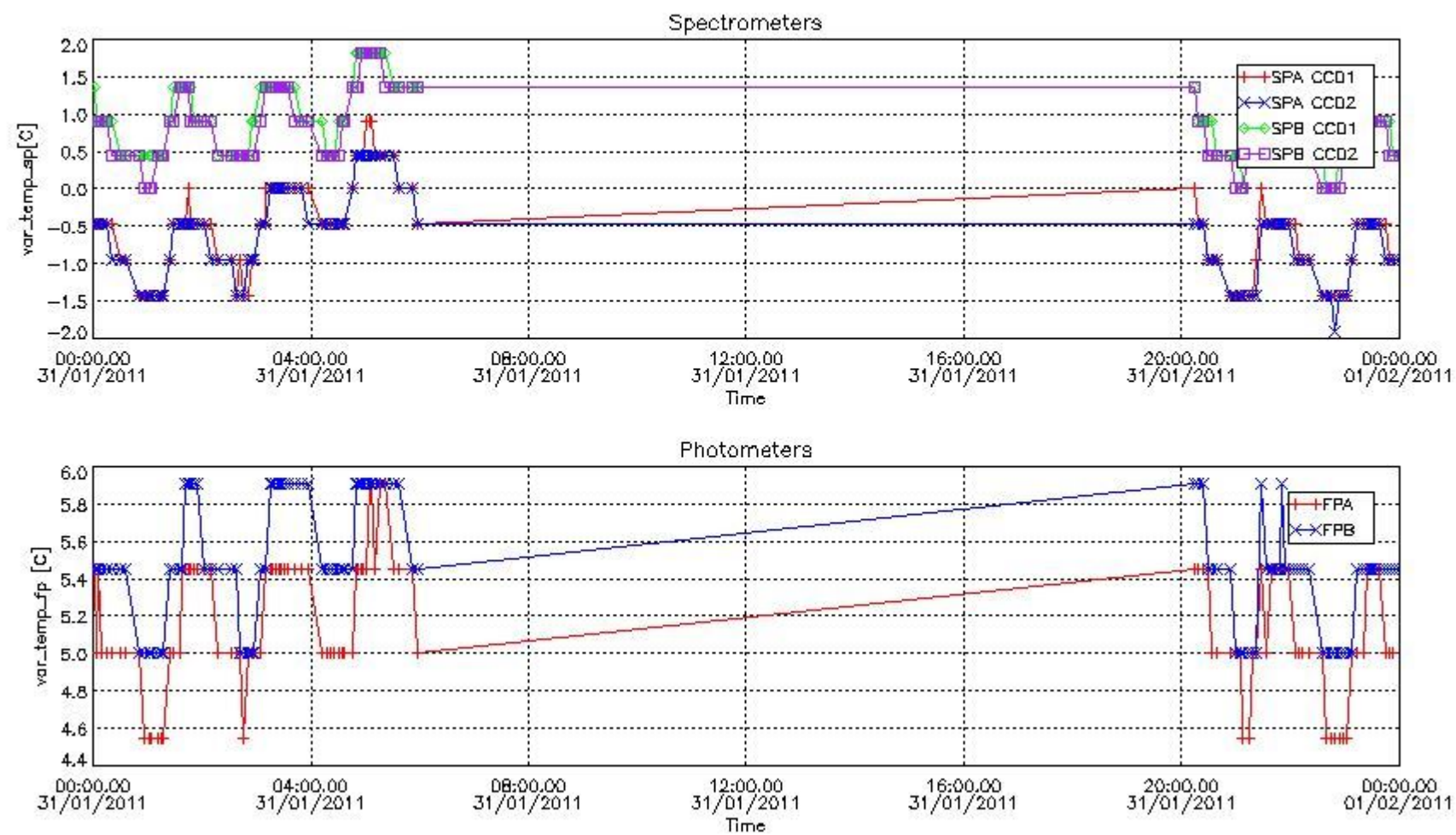
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20110131_000114_000000423099_00074_46640_7961.N1	31-JAN-2011 00:01:14	Dark	42.000	10	Bet Cen	0.61000	28000.	84	46640	No
2	GOM_TRA_1PNPDE20110131_000437_000000423099_00074_46640_7962.N1	31-JAN-2011 00:04:37	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	46640	No
3	GOM_TRA_1PNPDE20110131_000635_000000473099_00074_46640_7963.N1	31-JAN-2011 00:06:35	Dark	46.500	99	Del Cen	2.5750	26000.	93	46640	No
4	GOM_TRA_1PNPDE20110131_001019_000000503099_00074_46640_7964.N1	31-JAN-2011 00:10:19	Dark	49.500	113	Mu Vel	2.6920	5000.0	99	46640	No
5	GOM_TRA_1PNPDE20110131_001446_000000463099_00074_46640_7965.N1	31-JAN-2011 00:14:46	Dark	45.500	65	Lam Vel	2.2040	4400.0	91	46640	No
6	GOM_TRA_1PNPDE20110131_002114_000000433099_00074_46640_7966.N1	31-JAN-2011 00:21:14	Straylight	42.500	132	15Rho Pup	2.8030	6900.0	85	46640	No
7	GOM_TRA_1PNPDE20110131_002959_000000463099_00074_46640_7967.N1	31-JAN-2011 00:29:59	Twilight	46.000	8	10Alp CMi	0.40000	6500.0	92	46640	No
8	GOM_TRA_1PNPDE20110131_003641_000000413099_00074_46640_7968.N1	31-JAN-2011 00:36:41	Bright	41.000	17	78Bet Gem	1.1610	4500.0	82	46640	No
9	GOM_TRA_1PNPDE20110131_005133_000000433099_00074_46640_7969.N1	31-JAN-2011 00:51:33	Bright	42.500	36	50Alp UMa	1.8000	6300.0	85	46640	No
10	GOM_TRA_1PNPDE20110131_005656_000000383099_00074_46640_7970.N1	31-JAN-2011 00:56:56	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	46640	No
11	GOM_TRA_1PNPDE20110131_010138_000000413099_00074_46640_7971.N1	31-JAN-2011 01:01:38	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	46640	No
12	GOM_TRA_1PNPDE20110131_010446_000000553099_00074_46640_7972.N1	31-JAN-2011 01:04:46	Bright	55.000	130	23Bet Dra	2.7990	5800.0	110	46640	No
13	GOM_TRA_1PNPDE20110131_011123_000000623099_00074_46640_7973.N1	31-JAN-2011 01:11:23	Bright	62.000	133	40Zet Her	2.8070	6000.0	124	46640	No
14	GOM_TRA_1PNPDE20110131_011457_000000663099_00074_46640_7974.N1	31-JAN-2011 01:14:57	Bright	66.000	127	27Bet Her	2.7810	4700.0	132	46640	No
15	GOM_TRA_1PNPDE20110131_011631_000000373099_00074_46640_7975.N1	31-JAN-2011 01:16:31	Bright	37.000	59	55Alp Oph	2.0800	8900.0	74	46640	No
16	GOM_TRA_1PNPDE20110131_012504_000000453099_00074_46640_7989.N1	31-JAN-2011 01:25:04	Twilight	45.000	86	35Eta Oph	2.4300	10200.	90	46640	No
17	GOM_TRA_1PNPDE20110131_012919_000000543099_00074_46640_7990.N1	31-JAN-2011 01:29:19	Dark	54.000	16	21Alp Sco	1.0200	3000.0	108	46640	No
18	GOM_TRA_1PNPDE20110131_013504_000000443099_00074_46640_7991.N1	31-JAN-2011 01:35:04	Dark	44.000	131	Gam Lup	2.8000	26000.	88	46640	No
19	GOM_TRA_1PNPDE20110131_013716_000000473099_00075_46641_7992.N1	31-JAN-2011 01:37:16	Dark	46.500	109	Bet Lup	2.6770	26000.	93	46641	No
20	GOM_TRA_1PNPDE20110131_014128_000000433099_00075_46641_7993.N1	31-JAN-2011 01:41:28	Dark	43.000	10	Bet Cen	0.61000	28000.	86	46641	No
21	GOM_TRA_1PNPDE20110131_014452_000000423099_00075_46641_7994.N1	31-JAN-2011 01:44:52	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	46641	No
22	GOM_TRA_1PNPDE20110131_014649_000000463099_00075_46641_7995.N1	31-JAN-2011 01:46:49	Dark	45.500	99	Del Cen	2.5750	26000.	91	46641	No
23	GOM_TRA_1PNPDE20110131_015034_000000503099_00075_46641_7996.N1	31-JAN-2011 01:50:34	Dark	49.500	113	Mu Vel	2.6920	5000.0	99	46641	No
24	GOM_TRA_1PNPDE20110131_015501_000000503099_00075_46641_7997.N1	31-JAN-2011 01:55:01	Dark	50.000	65	Lam Vel	2.2040	4400.0	100	46641	No
25	GOM_TRA_1PNPDE20110131_020128_000000433099_00075_46641_7998.N1	31-JAN-2011 02:01:28	Straylight	43.000	132	15Rho Pup	2.8030	6900.0	86	46641	No
26	GOM_TRA_1PNPDE20110131_021014_000000473099_00075_46641_7999.N1	31-JAN-2011 02:10:14	Twilight	46.500	8	10Alp CMi	0.40000	6500.0	93	46641	No
27	GOM_TRA_1PNPDE20110131_021654_000000423099_00075_46641_8000.N1	31-JAN-2011 02:16:54	Bright	42.000	17	78Bet Gem	1.1610	4500.0	84	46641	No
28	GOM_TRA_1PNPDE20110131_023147_000000483099_00075_46641_8001.N1	31-JAN-2011 02:31:47	Bright	47.500	36	50Alp UMa	1.8000	6300.0	95	46641	No
29	GOM_TRA_1PNPDE20110131_023710_000000413099_00075_46641_8002.N1	31-JAN-2011 02:37:10	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	46641	No
30	GOM_TRA_1PNPDE20110131_024151_000000413099_00075_46641_8003.N1	31-JAN-2011 02:41:51	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	46641	No
31	GOM_TRA_1PNPDE20110131_024500_000000553099_00075_46641_8004.N1	31-JAN-2011 02:45:00	Bright	55.000	130	23Bet Dra	2.7990	5800.0	110	46641	No
32	GOM_TRA_1PNPDE20110131_025137_000000413099_00075_46641_8005.N1	31-JAN-2011 02:51:37	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	46641	No
33	GOM_TRA_1PNPDE20110131_025512_000000663099_00075_46641_8006.N1	31-JAN-2011 02:55:12	Bright	66.000	127	27Bet Her	2.7810	4700.0	132	46641	No
34	GOM_TRA_1PNPDE20110131_025645_000000553099_00075_46641_8007.N1	31-JAN-2011 02:56:45	Bright	55.000	59	55Alp Oph	2.0800	8900.0	110	46641	No
35	GOM_TRA_1PNPDE20110131_030518_000000403099_00075_46641_8008.N1	31-JAN-2011 03:05:18	Twilight	40.000	86	35Eta Oph	2.4300	10200.	80	46641	No
36	GOM_TRA_1PNPDE20110131_030934_000000533099_00075_46641_8009.N1	31-JAN-2011 03:09:34	Dark	53.000	16	21Alp Sco	1.0200	3000.0	106	46641	No
37	GOM_TRA_1PNPDE20110131_031055_000000473099_00075_46641_8010.N1	31-JAN-2011 03:10:55	Dark	47.000	158	6Pi Sco	2.9060	28000.	94	46641	No
38	GOM_TRA_1PNPDE20110131_031519_000000433099_00075_46641_8011.N1	31-JAN-2011 03:15:19	Dark	42.500	131	Gam Lup	2.8000	26000.	85	46641	No
39	GOM_TRA_1PNPDE20110131_031731_000000443099_00076_46642_8012.N1	31-JAN-2011 03:17:31	Dark	44.000	109	Bet Lup	2.6770	26000.	88	46642	No
40	GOM_TRA_1PNPDE20110131_032143_000000453099_00076_46642_8013.N1	31-JAN-2011 03:21:43	Dark	45.000	10	Bet Cen	0.61000	28000.	90	46642	No
41	GOM_TRA_1PNPDE20110131_032506_000000523099_00076_46642_8014.N1	31-JAN-2011 03:25:06	Dark	52.000	12	Alp1Cru	0.77500	30000.	104	46642	No
42	GOM_TRA_1PNPDE20110131_032704_000000453099_00076_46642_8015.N1	31-JAN-2011 03:27:04	Dark	44.500	99	Del Cen	2.5750	26000.	89	46642	No
43	GOM_TRA_1PNPDE20110131_033048_000000453099_00076_46642_8016.N1	31-JAN-2011 03:30:48	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	46642	No
44	GOM_TRA_1PNPDE20110131_033515_000000483099_00076_46642_8017.N1	31-JAN-2011 03:35:15	Dark	47.500	65	Lam Vel	2.2040	4400.0	95	46642	No

45	GOM_TRA_1PNPDE20110131_034143_000000443099_00076_46642_8018.N1	31-JAN-2011 03:41:43	Straylight	43.500	132	15Rho Pup	2.8030	6900.0	87	46642	No
46	GOM_TRA_1PNPDE20110131_035028_000000513099_00076_46642_8019.N1	31-JAN-2011 03:50:28	Twilight_stray	50.500	8	10Alp CMi	0.40000	6500.0	101	46642	No
47	GOM_TRA_1PNPDE20110131_035708_000000423099_00076_46642_8020.N1	31-JAN-2011 03:57:08	Bright	42.000	17	78Bet Gem	1.1610	4500.0	84	46642	No
48	GOM_TRA_1PNPDE20110131_041200_000000433099_00076_46642_8021.N1	31-JAN-2011 04:12:00	Bright	43.000	36	50Alp UMa	1.8000	6300.0	86	46642	No
49	GOM_TRA_1PNPDE20110131_041724_000000373099_00076_46642_8012.N1	31-JAN-2011 04:17:24	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	46642	No
50	GOM_TRA_1PNPDE20110131_042205_000000413099_00076_46642_8013.N1	31-JAN-2011 04:22:05	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	46642	No
51	GOM_TRA_1PNPDE20110131_042514_000000353099_00076_46642_8014.N1	31-JAN-2011 04:25:14	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	46642	No
52	GOM_TRA_1PNPDE20110131_043151_000000623099_00076_46642_8015.N1	31-JAN-2011 04:31:51	Bright	62.000	133	40Zet Her	2.8070	6000.0	124	46642	No
53	GOM_TRA_1PNPDE20110131_043526_000000663099_00076_46642_8016.N1	31-JAN-2011 04:35:26	Bright	66.000	127	27Bet Her	2.7810	4700.0	132	46642	No
54	GOM_TRA_1PNPDE20110131_043700_000000383099_00076_46642_8017.N1	31-JAN-2011 04:37:00	Bright	37.500	59	55Alp Oph	2.0800	8900.0	75	46642	No
55	GOM_TRA_1PNPDE20110131_044533_000000453099_00076_46642_8018.N1	31-JAN-2011 04:45:33	Twilight_stray	45.000	86	35Eta Oph	2.4300	10200.	90	46642	No
56	GOM_TRA_1PNPDE20110131_044949_000000603099_00076_46642_8019.N1	31-JAN-2011 04:49:49	Dark	60.000	16	21Alp Sco	1.0200	3000.0	120	46642	No
57	GOM_TRA_1PNPDE20110131_045110_000000453099_00076_46642_8020.N1	31-JAN-2011 04:51:10	Dark	45.000	158	6Pi Sco	2.9060	28000.	90	46642	No
58	GOM_TRA_1PNPDE20110131_045534_000000443099_00076_46642_8021.N1	31-JAN-2011 04:55:34	Dark	43.500	131	Gam Lup	2.8000	26000.	87	46642	No
59	GOM_TRA_1PNPDE20110131_045746_000000443099_00077_46643_8022.N1	31-JAN-2011 04:57:46	Dark	43.500	109	Bet Lup	2.6770	26000.	87	46643	No
60	GOM_TRA_1PNPDE20110131_050157_000000423099_00077_46643_8023.N1	31-JAN-2011 05:01:57	Dark	41.500	10	Bet Cen	0.61000	28000.	83	46643	No
61	GOM_TRA_1PNPDE20110131_050521_000000423099_00077_46643_8024.N1	31-JAN-2011 05:05:21	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	46643	No
62	GOM_TRA_1PNPDE20110131_050719_000000463099_00077_46643_8025.N1	31-JAN-2011 05:07:19	Dark	45.500	99	Del Cen	2.5750	26000.	91	46643	No
63	GOM_TRA_1PNPDE20110131_051103_000000443099_00077_46643_8026.N1	31-JAN-2011 05:11:03	Dark	44.000	113	Mu Vel	2.6920	5000.0	88	46643	No
64	GOM_TRA_1PNPDE20110131_051529_000000463099_00077_46643_8027.N1	31-JAN-2011 05:15:29	Dark	46.000	65	Lam Vel	2.2040	4400.0	92	46643	No
65	GOM_TRA_1PNPDE20110131_052157_000000443099_00077_46643_8028.N1	31-JAN-2011 05:21:57	Straylight	43.500	132	15Rho Pup	2.8030	6900.0	87	46643	No
66	GOM_TRA_1PNPDE20110131_053042_000000483099_00077_46643_8029.N1	31-JAN-2011 05:30:42	Twilight_stray	48.000	8	10Alp CMi	0.40000	6500.0	96	46643	No
67	GOM_TRA_1PNPDE20110131_053722_000000413099_00077_46643_8030.N1	31-JAN-2011 05:37:22	Bright	41.000	17	78Bet Gem	1.1610	4500.0	82	46643	No
68	GOM_TRA_1PNPDE20110131_055214_000000493099_00077_46643_8031.N1	31-JAN-2011 05:52:14	Bright	48.500	36	50Alp UMa	1.8000	6300.0	97	46643	No
69	GOM_TRA_1PNPDE20110131_055738_000000403099_00077_46643_8032.N1	31-JAN-2011 05:57:38	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46643	No
70	GOM_TRA_1PNPDE20110131_201315_000000453099_00086_46652_8130.N1	31-JAN-2011 20:13:15	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	46652	Yes
71	GOM_TRA_1PNPDE20110131_201739_000000473099_00086_46652_8131.N1	31-JAN-2011 20:17:39	Dark	47.000	65	Lam Vel	2.2040	4400.0	94	46652	No
72	GOM_TRA_1PNPDE20110131_202405_000000433099_00086_46652_8132.N1	31-JAN-2011 20:24:05	Straylight	42.500	132	15Rho Pup	2.8030	6900.0	85	46652	No
73	GOM_TRA_1PNPDE20110131_202839_000000413099_00086_46652_8133.N1	31-JAN-2011 20:28:39	Straylight	41.000	48	30Alp Hya	1.9770	4100.0	82	46652	No
74	GOM_TRA_1PNPDE20110131_203248_000000513099_00086_46652_8134.N1	31-JAN-2011 20:32:48	Twilight_stray	51.000	8	10Alp CMi	0.40000	6500.0	102	46652	No
75	GOM_TRA_1PNPDE20110131_203927_000000423099_00086_46652_8135.N1	31-JAN-2011 20:39:27	Bright	41.500	17	78Bet Gem	1.1610	4500.0	83	46652	No
76	GOM_TRA_1PNPDE20110131_205414_000000483099_00086_46652_8136.N1	31-JAN-2011 20:54:14	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	46652	No
77	GOM_TRA_1PNPDE20110131_205942_000000413099_00086_46652_8137.N1	31-JAN-2011 20:59:42	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	46652	No
78	GOM_TRA_1PNPDE20110131_210424_000000393099_00086_46652_8138.N1	31-JAN-2011 21:04:24	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46652	No
79	GOM_TRA_1PNPDE20110131_210734_000000553099_00086_46652_8139.N1	31-JAN-2011 21:07:34	Bright	55.000	130	23Bet Dra	2.7990	5800.0	110	46652	No
80	GOM_TRA_1PNPDE20110131_211413_000000633099_00086_46652_8140.N1	31-JAN-2011 21:14:13	Bright	63.000	133	40Zet Her	2.8070	6000.0	126	46652	No
81	GOM_TRA_1PNPDE20110131_211749_000000473099_00086_46652_8141.N1	31-JAN-2011 21:17:49	Bright	47.000	127	27Bet Her	2.7810	4700.0	94	46652	No
82	GOM_TRA_1PNPDE20110131_212131_000000373099_00086_46652_8142.N1	31-JAN-2011 21:21:31	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	46652	No
83	GOM_TRA_1PNPDE20110131_212758_000000433099_00086_46652_8144.N1	31-JAN-2011 21:27:58	Twilight_stray	43.000	86	35Eta Oph	2.4300	10200.	86	46652	No
84	GOM_TRA_1PNPDE20110131_213216_000000523099_00086_46652_8145.N1	31-JAN-2011 21:32:16	Dark	52.000	16	21Alp Sco	1.0200	3000.0	104	46652	No
85	GOM_TRA_1PNPDE20110131_213339_000000463099_00086_46652_8146.N1	31-JAN-2011 21:33:39	Dark	45.500	158	6Pi Sco	2.9060	28000.	91	46652	No
86	GOM_TRA_1PNPDE20110131_213802_000000433099_00086_46652_8147.N1	31-JAN-2011 21:38:02	Dark	43.000	131	Gam Lup	2.8000	26000.	86	46652	No
87	GOM_TRA_1PNPDE20110131_214015_000000463099_00087_46653_8148.N1	31-JAN-2011 21:40:15	Dark	45.500	109	Bet Lup	2.6770	26000.	91	46653	No
88	GOM_TRA_1PNPDE20110131_214424_000000443099_00087_46653_8149.N1	31-JAN-2011 21:44:24	Dark	43.500	10	Bet Cen	0.61000	28000.	87	46653	No
89	GOM_TRA_1PNPDE20110131_214746_000000433099_00087_46653_8150.N1	31-JAN-2011 21:47:46	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	46653	No
90	GOM_TRA_1PNPDE20110131_214947_000000463099_00087_46653_8151.N1	31-JAN-2011 21:49:47	Dark	45.500	99	Del Cen	2.5750	26000.	91	46653	No
91	GOM_TRA_1PNPDE20110131_215329_000000453099_00087_46653_8152.N1	31-JAN-2011 21:53:29	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	46653	No
92	GOM_TRA_1PNPDE20110131_215753_000000493099_00087_46653_8153.N1	31-JAN-2011 21:57:53	Dark	48.500	65	Lam Vel	2.2040	4400.0	97	46653	No
93	GOM_TRA_1PNPDE20110131_220419_000000423099_00087_46653_8154.N1	31-JAN-2011 22:04:19	Straylight	42.000	132	15Rho Pup	2.8030	6900.0	84	46653	No
94	GOM_TRA_1PNPDE20110131_220853_000000413099_00087_46653_8155.N1	31-JAN-2011 22:08:53	Straylight	41.000	48	30Alp Hya	1.9770	4100.0	82	46653	No
95	GOM_TRA_1PNPDE20110131_221302_000000503099_00087_46653_8156.N1	31-JAN-2011 22:13:02	Twilight_stray	49.500	8	10Alp CMi	0.40000	6500.0	99	46653	No
96	GOM_TRA_1PNPDE20110131_221941_000000413099_00087_46653_8157.N1	31-JAN-2011 22:19:41	Bright	41.000	17	78Bet Gem	1.1610	4500.0	82	46653	No
97	GOM_TRA_1PNPDE20110131_223427_000000473099_00087_46653_8158.N1	31-JAN-2011 22:34:27	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	46653	No
98	GOM_TRA_1PNPDE20110131_223956_000000353099_00087_46653_8159.N1	31-JAN-2011 22:39:56	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	46653	No
99	GOM_TRA_1PNPDE20110131_224437_000000413099_00087_46653_8160.N1	31-JAN-2011 22:44:37	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	46653	No
100	GOM_TRA_1PNPDE20110131_224748_000000393099_00087_46653_8161.N1	31-JAN-2011 22:47:48	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	46653	No
101	GOM_TRA_1PNPDE20110131_225427_000000433099_00087_46653_8162.N1	31-JAN-2011 22:54:27	Bright	43.000	133	40Zet Her	2.8070	6000.0	86	46653	No
102	GOM_TRA_1PNPDE20110131_225804_000000673099_00087_46653_8163.N1	31-JAN-2011 22:58:04	Bright	67.000	127	27Bet Her	2.7810	4700.0	134	46653	No
103	GOM_TRA_1PNPDE20110131_230145_000000443099_00087_46653_8164.N1	31-JAN-2011 23:01:45	Bright	44.000	126	60Bet Oph	2.7700	4250.0	88	46653	No

104	GOM_TRA_1PNPDE20110131_230812_000000463099_00087_46653_8167.N1	31-JAN-2011 23:08:12	Twilight_stray	45.500	86	35Eta Oph	2.4300	10200.	91	46653	No
105	GOM_TRA_1PNPDE20110131_231230_000000533099_00087_46653_8168.N1	31-JAN-2011 23:12:30	Dark	52.500	16	21Alp Sco	1.0200	3000.0	105	46653	No
106	GOM_TRA_1PNPDE20110131_232030_000000453099_00088_46654_8169.N1	31-JAN-2011 23:20:30	Dark	45.000	109	Bet Lup	2.6770	26000.	90	46654	No
107	GOM_TRA_1PNPDE20110131_232438_000000443099_00088_46654_8170.N1	31-JAN-2011 23:24:38	Dark	43.500	10	Bet Cen	0.61000	28000.	87	46654	No
108	GOM_TRA_1PNPDE20110131_232801_000000423099_00088_46654_8171.N1	31-JAN-2011 23:28:01	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	46654	No
109	GOM_TRA_1PNPDE20110131_233002_000000473099_00088_46654_8172.N1	31-JAN-2011 23:30:02	Dark	46.500	99	Del Cen	2.5750	26000.	93	46654	No
110	GOM_TRA_1PNPDE20110131_233344_000000493099_00088_46654_8173.N1	31-JAN-2011 23:33:44	Dark	48.500	113	Mu Vel	2.6920	5000.0	97	46654	No
111	GOM_TRA_1PNPDE20110131_233807_000000483099_00088_46654_8174.N1	31-JAN-2011 23:38:07	Dark	48.000	65	Lam Vel	2.2040	4400.0	96	46654	No
112	GOM_TRA_1PNPDE20110131_234433_000000433099_00088_46654_8175.N1	31-JAN-2011 23:44:33	Straylight	42.500	132	15Rho Pup	2.8030	6900.0	85	46654	No
113	GOM_TRA_1PNPDE20110131_234907_000000473099_00088_46654_8176.N1	31-JAN-2011 23:49:07	Straylight	47.000	48	30Alp Hya	1.9770	4100.0	94	46654	No
114	GOM_TRA_1PNPDE20110131_235316_000000493099_00088_46654_8177.N1	31-JAN-2011 23:53:16	Twilight_stray	48.500	8	10Alp CMi	0.40000	6500.0	97	46654	No
115	GOM_TRA_1PNPDE20110131_235955_000000423099_00088_46654_8178.N1	31-JAN-2011 23:59:55	Bright	42.000	17	78Bet Gem	1.1610	4500.0	84	46654	No

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



4. Overview of dark signal processing per product

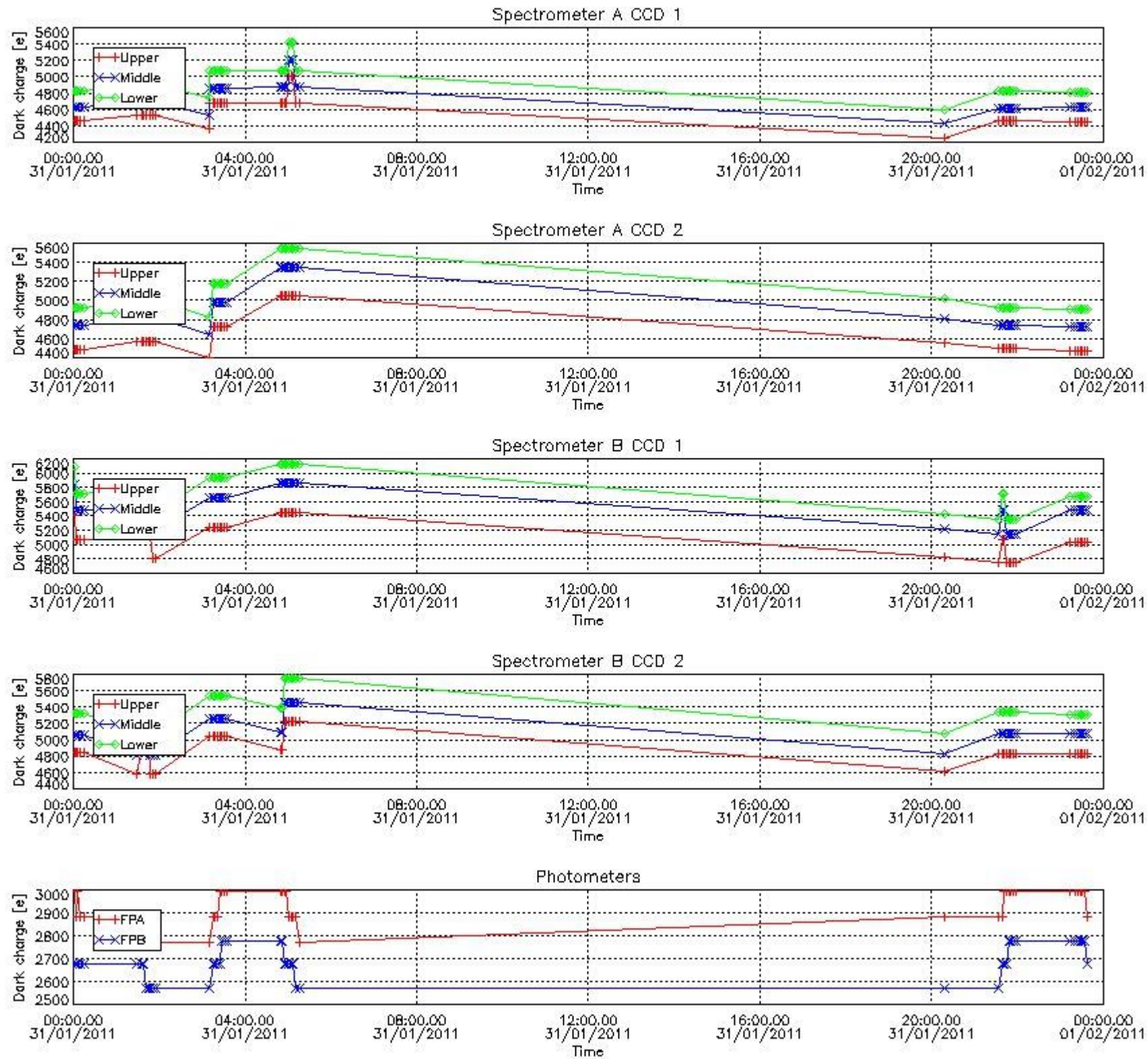
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20110131_201315_000000453099_00086_46652_8130.N1	DC map with no T dep.
GOM_TRA_1PNPDE20110131_201739_000000473099_00086_46652_8131.N1	DC map used
GOM_TRA_1PNPDE20110131_202405_000000433099_00086_46652_8132.N1	DC map used
GOM_TRA_1PNPDE20110131_202839_000000413099_00086_46652_8133.N1	DC map used
GOM_TRA_1PNPDE20110131_203248_000000513099_00086_46652_8134.N1	DC map used
GOM_TRA_1PNPDE20110131_203927_000000423099_00086_46652_8135.N1	DC map used
GOM_TRA_1PNPDE20110131_205414_000000483099_00086_46652_8136.N1	DC map used
GOM_TRA_1PNPDE20110131_205942_000000413099_00086_46652_8137.N1	DC map used
GOM_TRA_1PNPDE20110131_210424_000000393099_00086_46652_8138.N1	DC map used
GOM_TRA_1PNPDE20110131_210734_000000553099_00086_46652_8139.N1	DC map used
GOM_TRA_1PNPDE20110131_211413_000000633099_00086_46652_8140.N1	DC map used
GOM_TRA_1PNPDE20110131_211749_000000473099_00086_46652_8141.N1	DC map used
GOM_TRA_1PNPDE20110131_212131_000000373099_00086_46652_8142.N1	DC map used

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



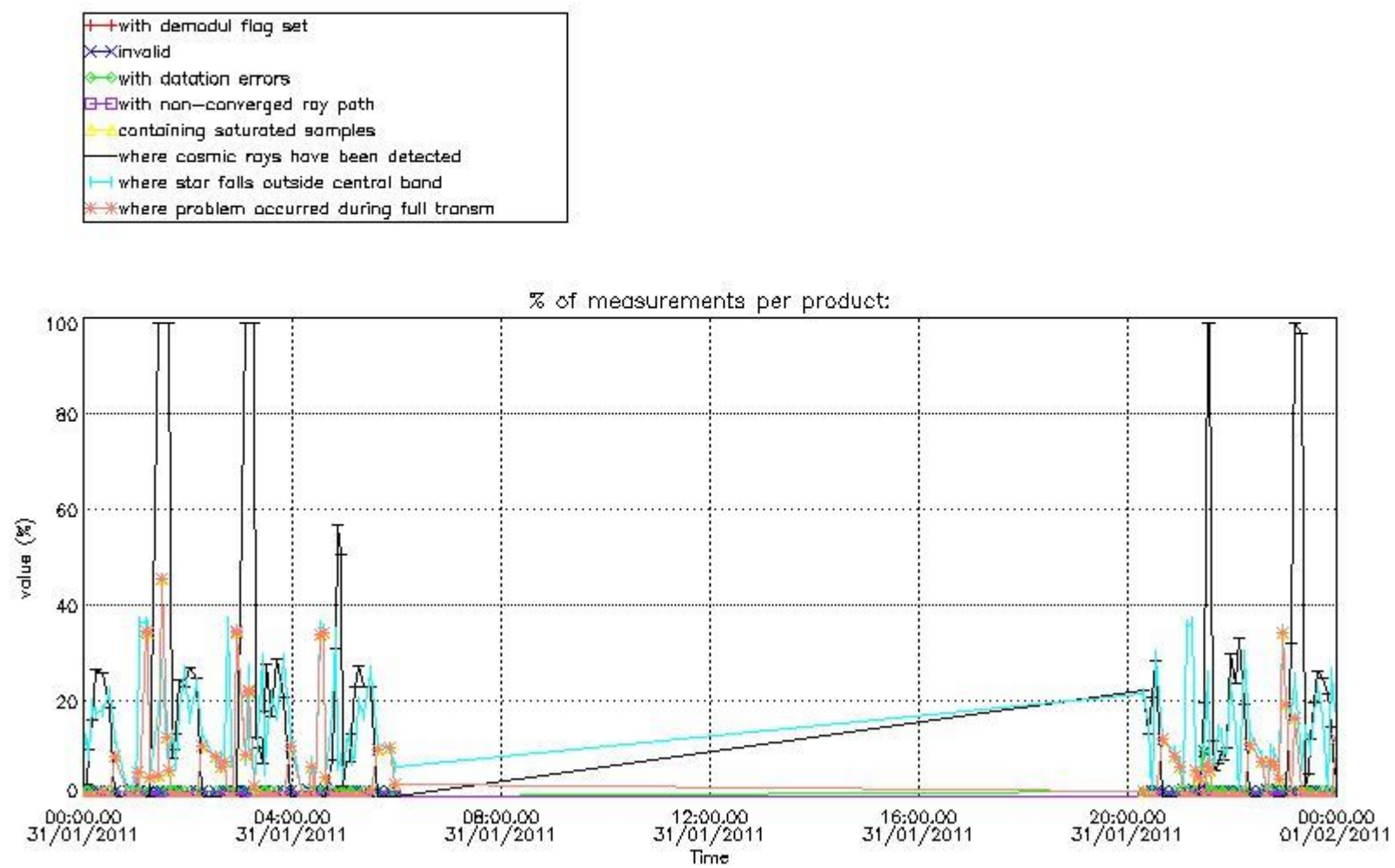
5. Demodulation flag and quality information monitoring

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.

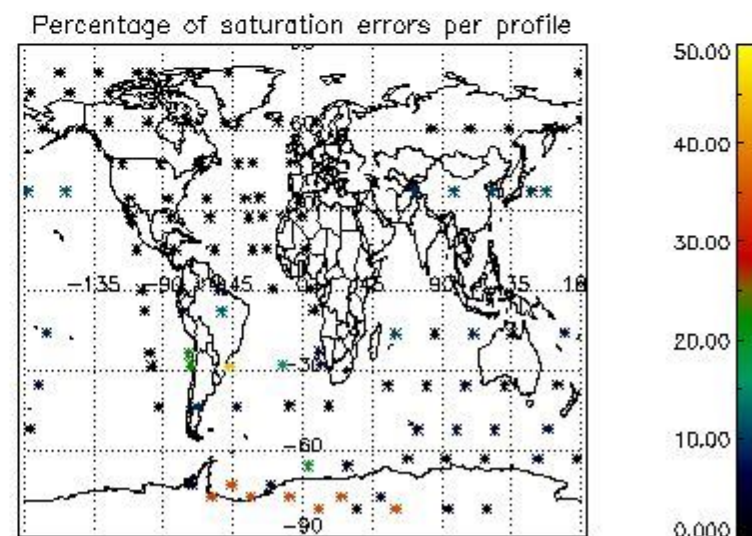
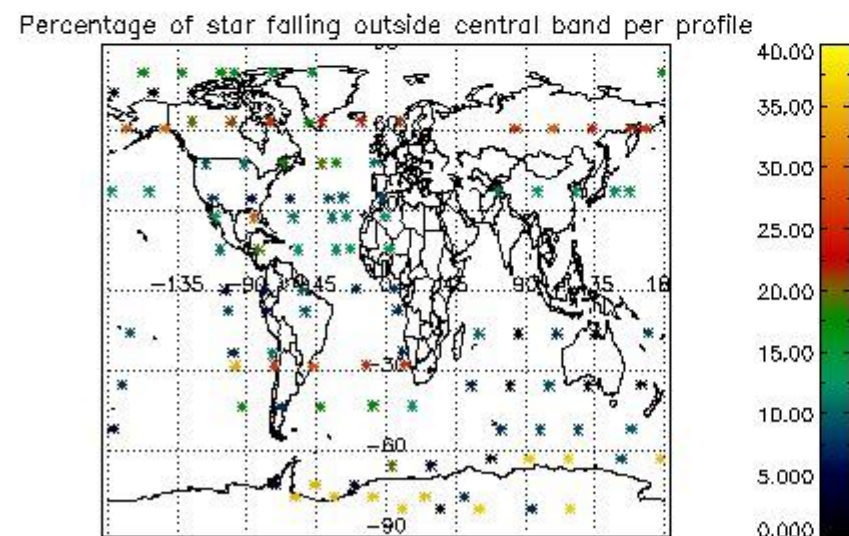
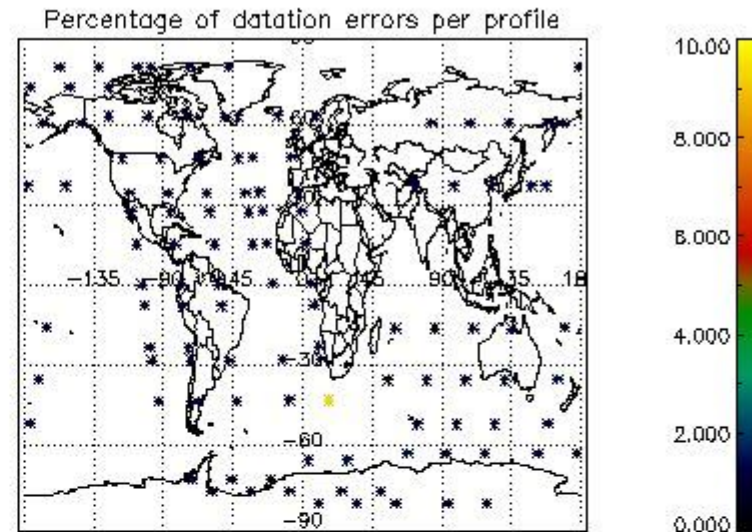
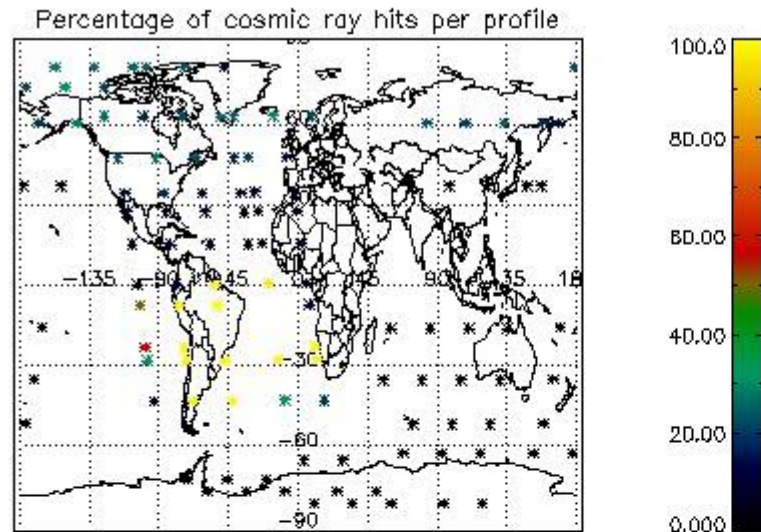
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	51.7544 %
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)



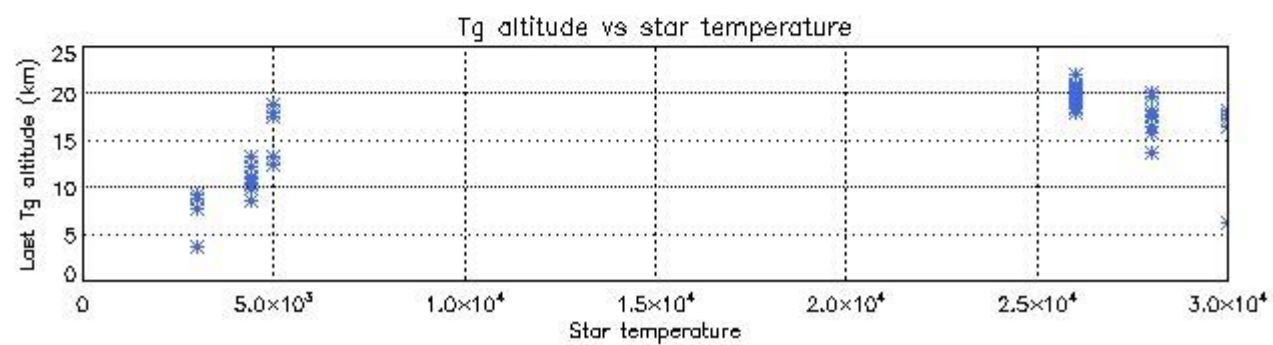
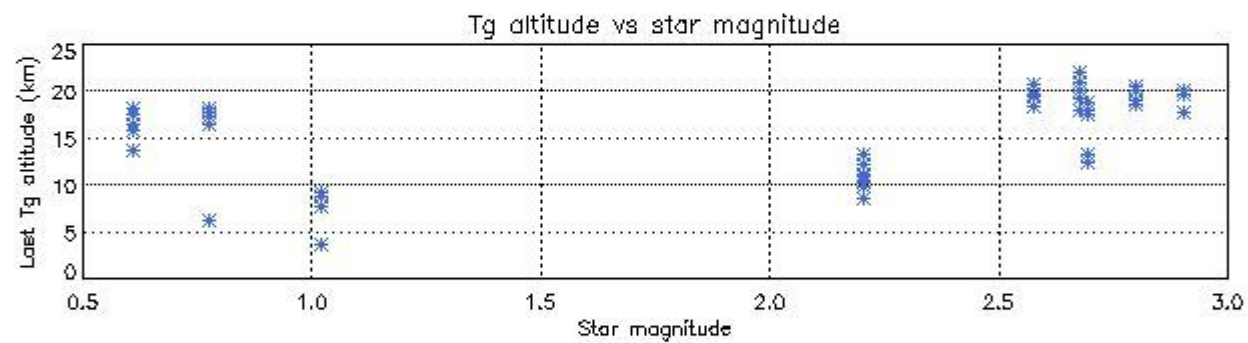
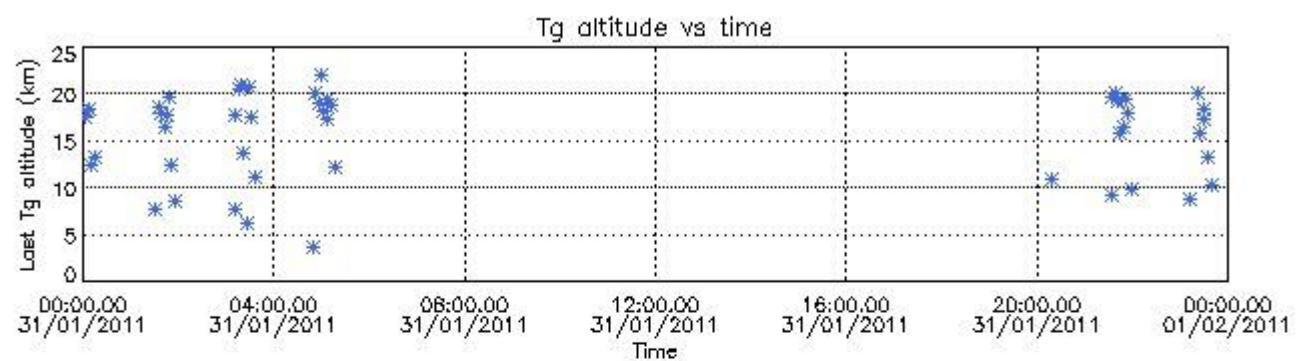
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.582	16.293	NaN
St. deviation:	4.5991	8.1138	NaN
Maximum:	21.947	31.157	NaN
Minimum:	3.6511	3.6086	NaN
Number of data:	48.000	44.000	NaN

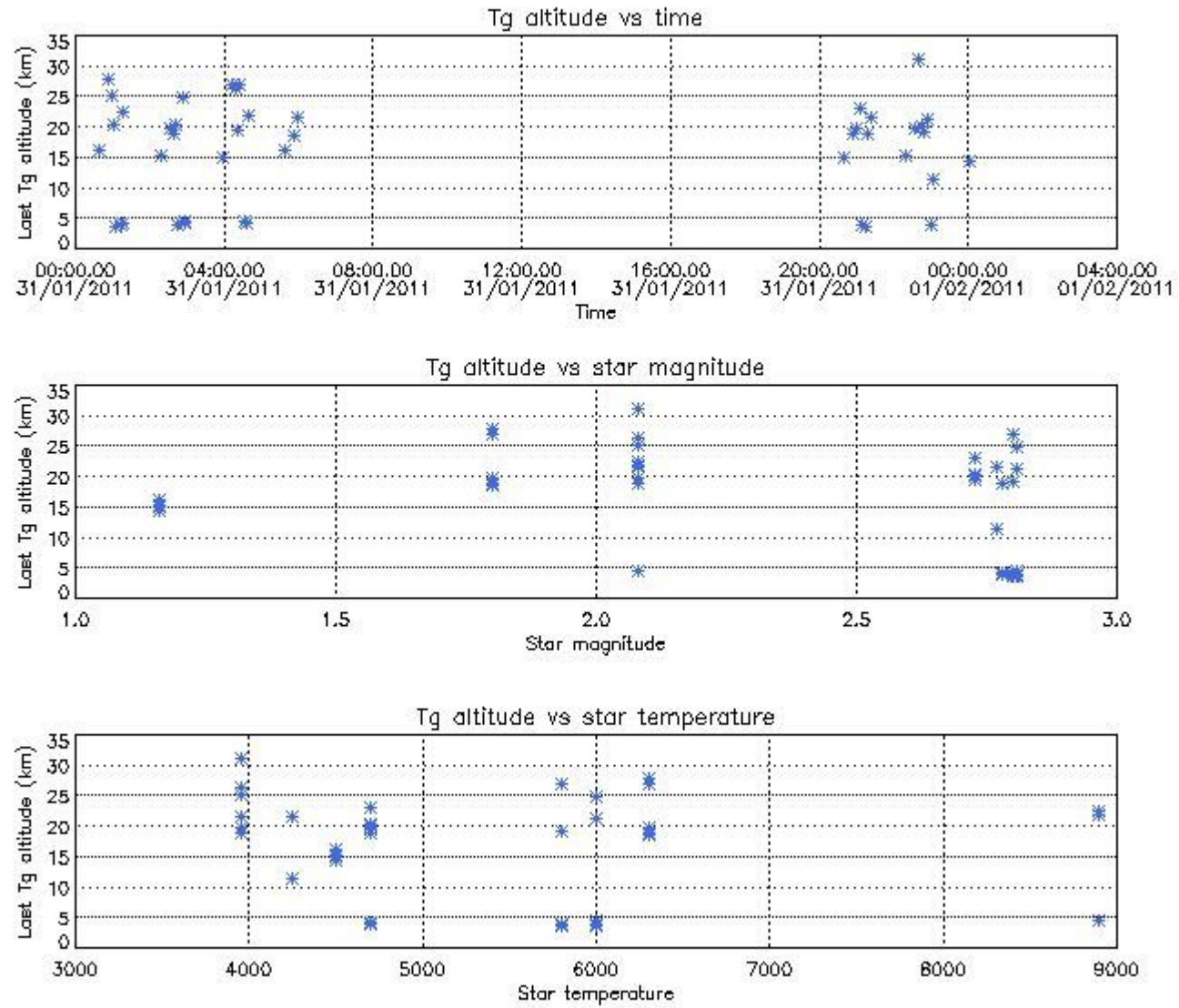
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

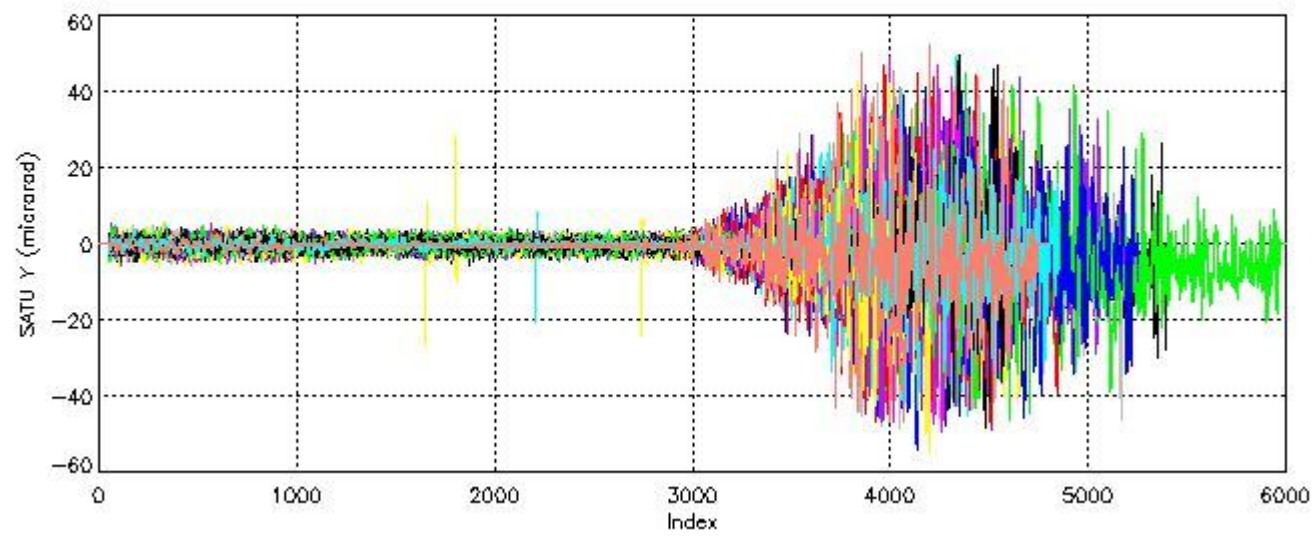
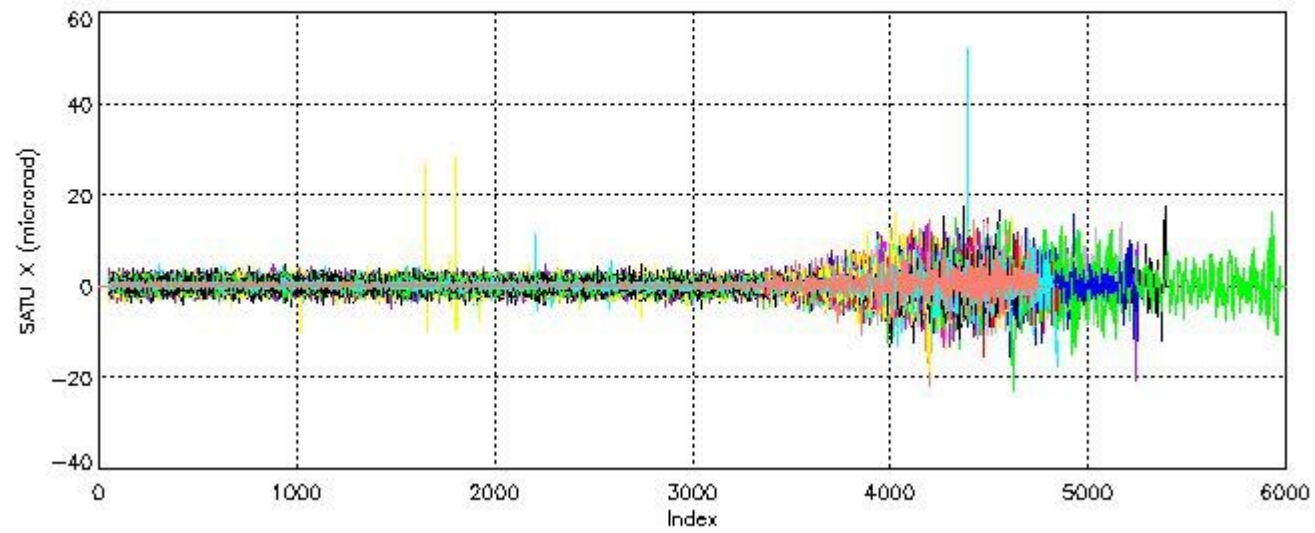


7. Star Acquisition and Tracking Unit (SATU)

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:	0.19623	-0.38591	0.14876	-0.42575
St. deviation:	0.59117	1.1725	0.54752	0.96175
Maximum:	4.9000	5.9000	3.6000	3.7000
Minimum:	-10.000	-6.3000	-4.1000	-5.4000

Number of data:	49450.	49450.	42550.	42550.
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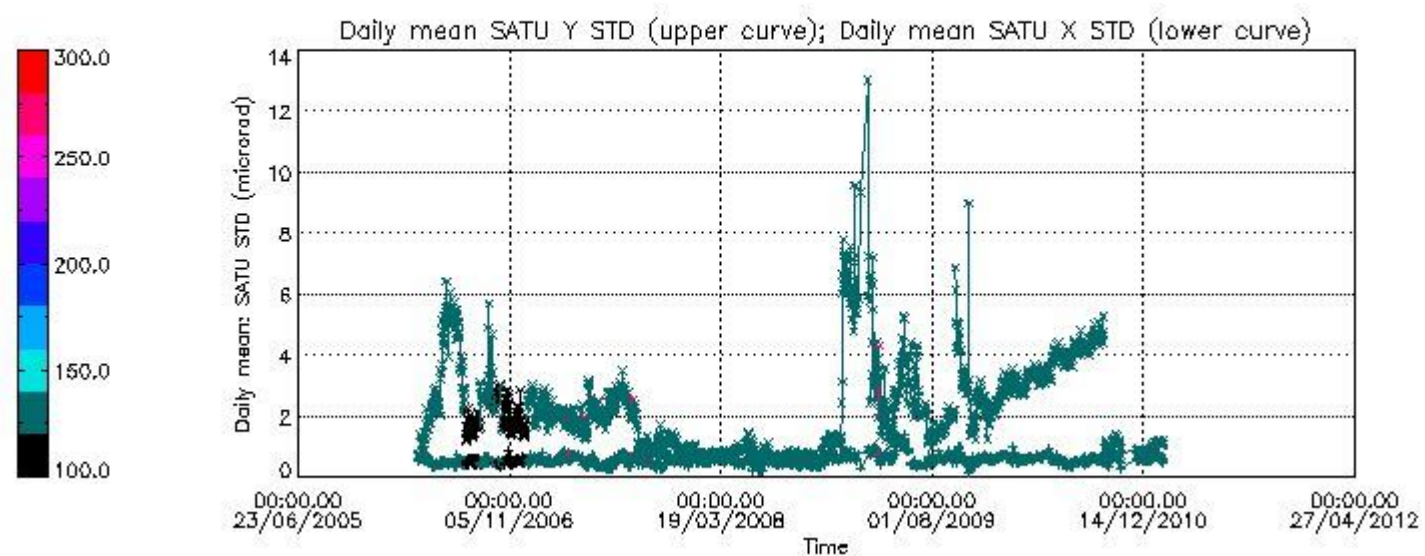
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

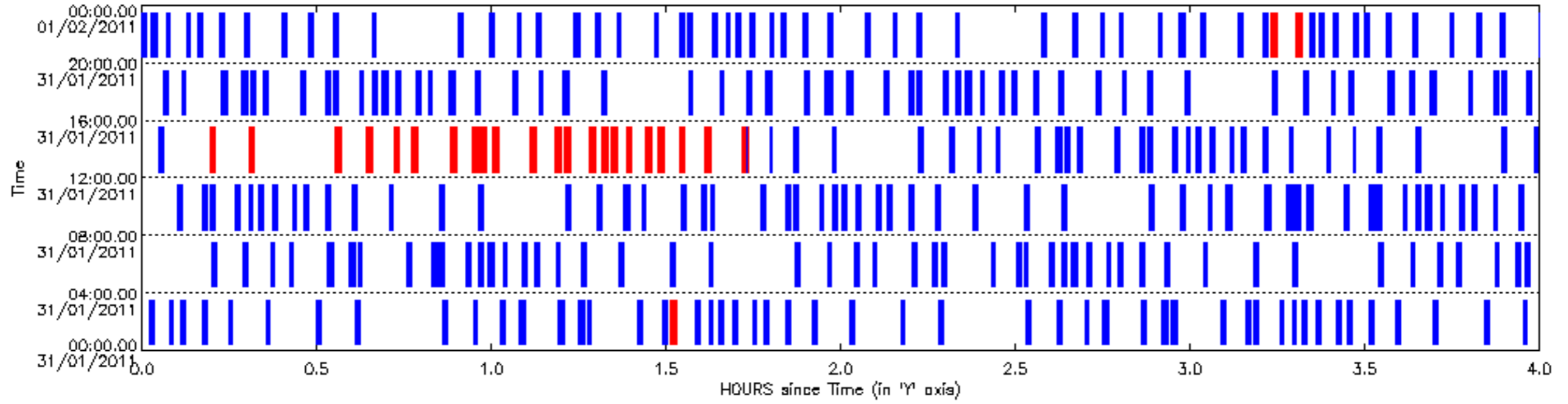
Lower curve: STD of SATU X axis

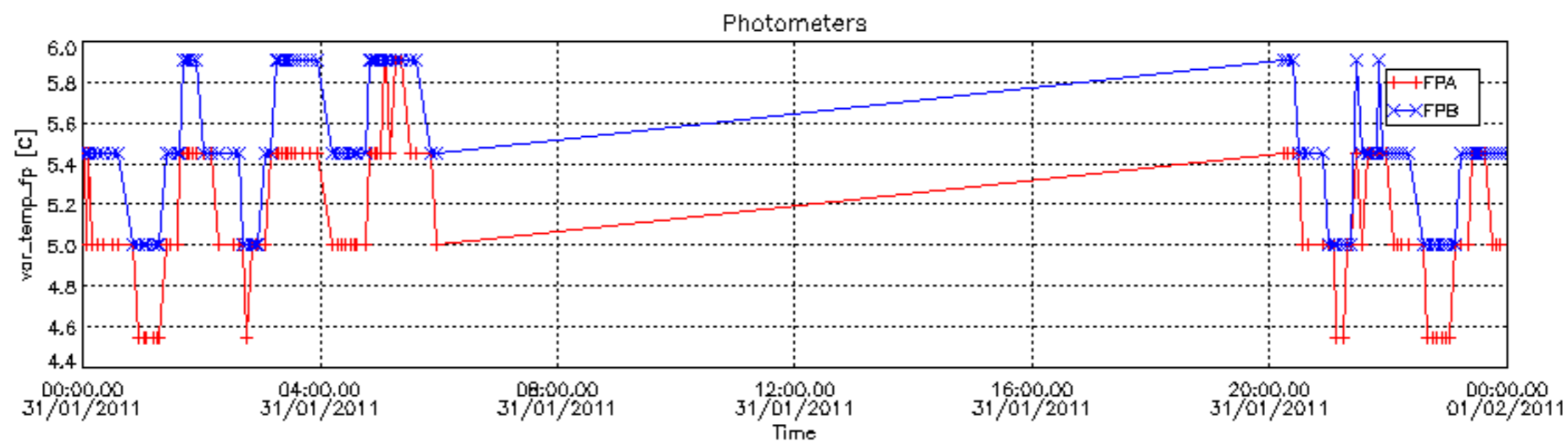
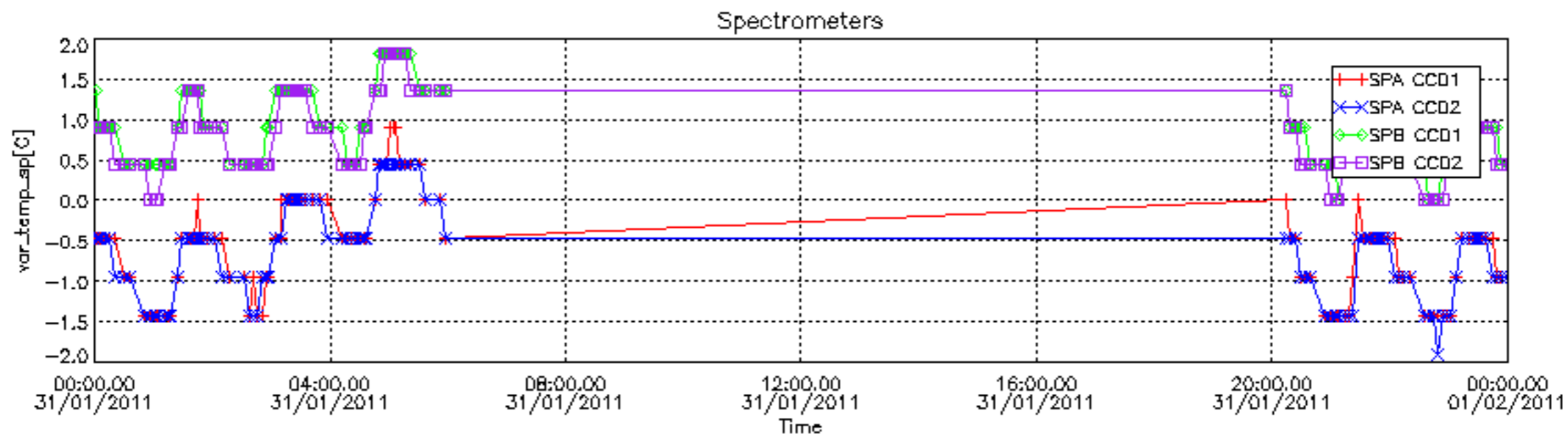


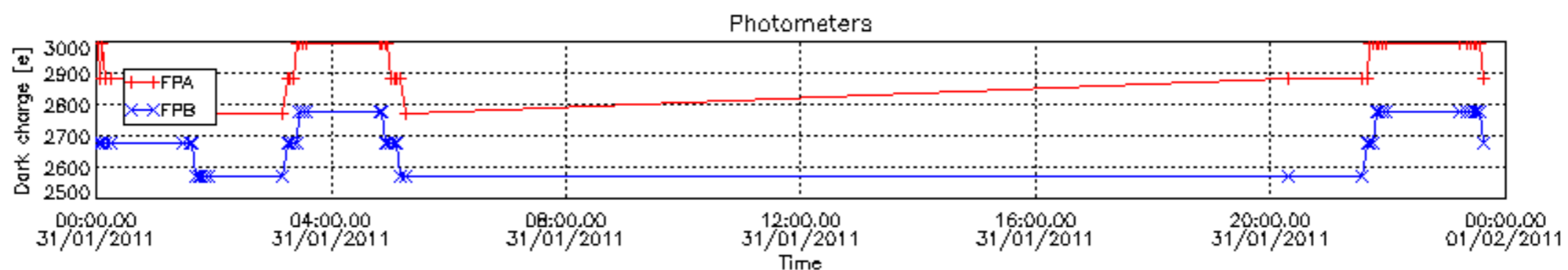
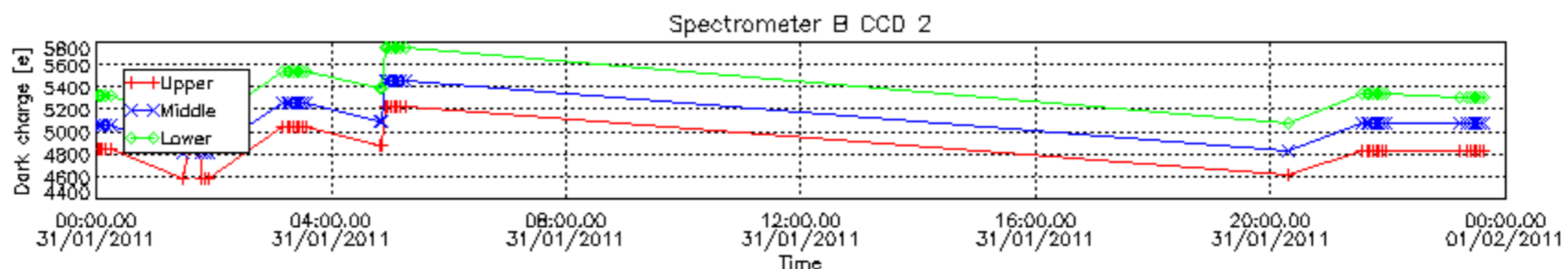
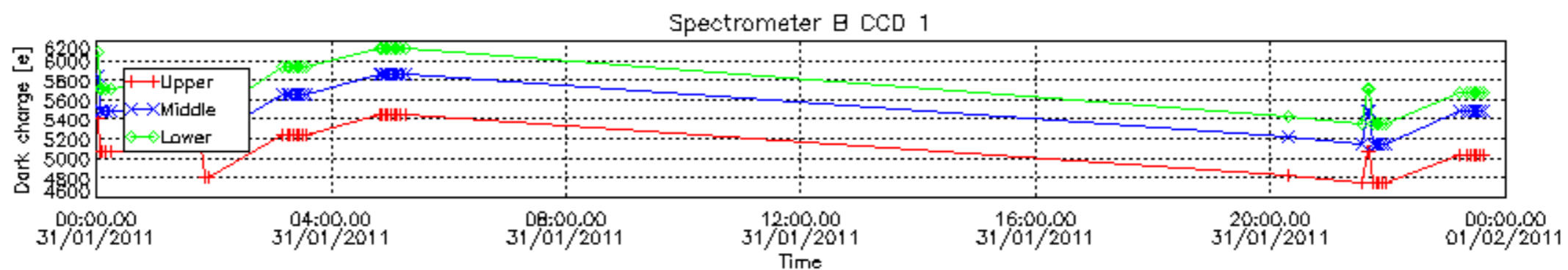
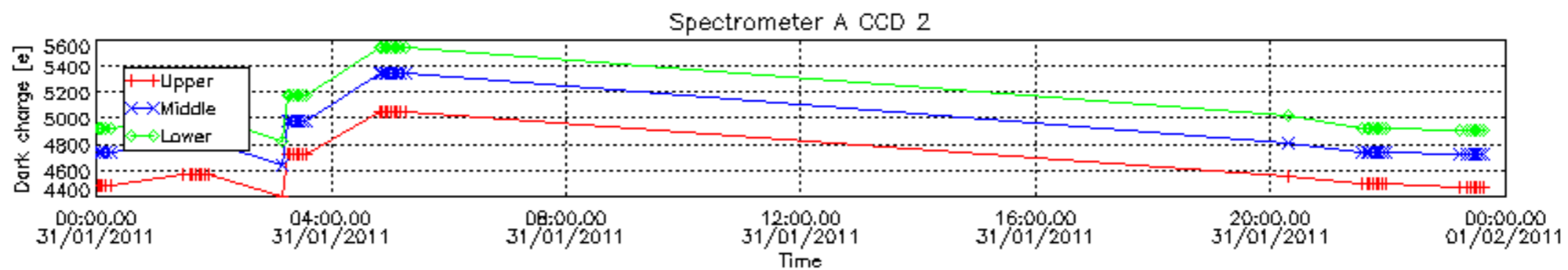
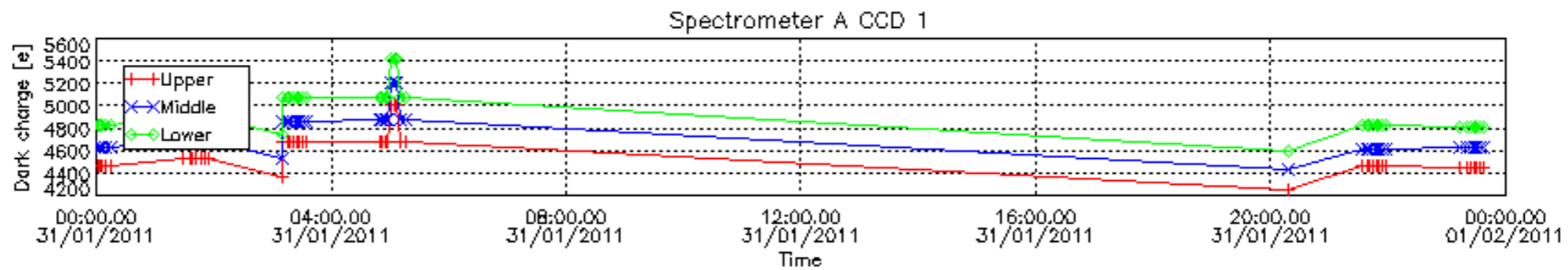
8. Auxiliary Data Files used for the production reported in section 2.4

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.

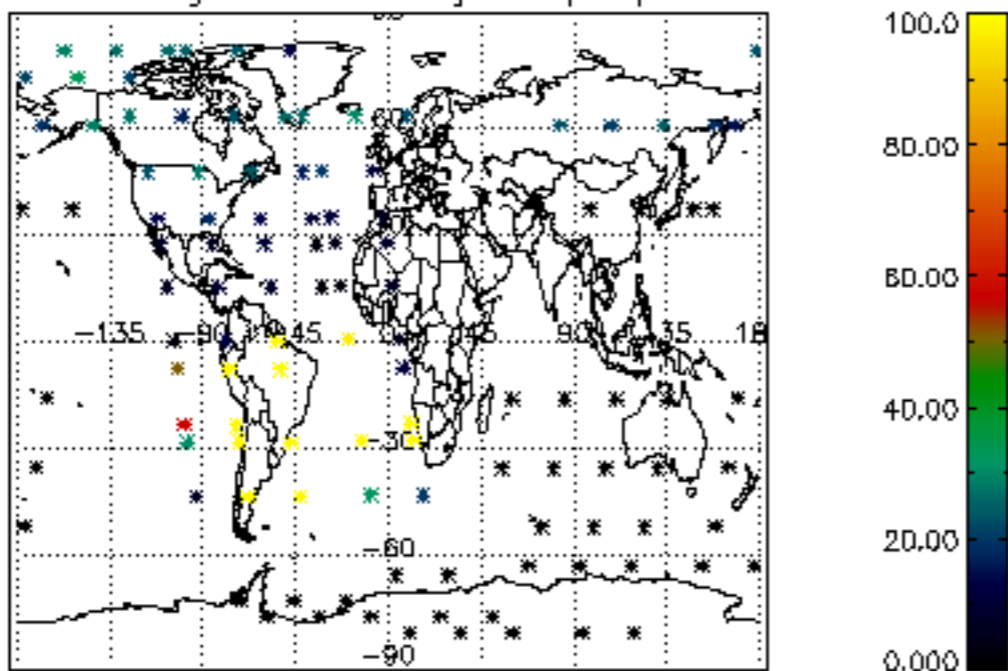
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	31-JAN-2011 00:01:14
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110125_110046_20110123_000000_20500101_000000	1	31-JAN-2011 00:01:14
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	31-JAN-2011 00:01:14
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	31-JAN-2011 00:01:14
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	31-JAN-2011 00:01:14
ECMWF_FILE	AUX_ECF_AXNECM20110130_052114_20110130_210000_20110131_090000	1	31-JAN-2011 00:01:14
ECMWF_FILE	AUX_ECF_AXNECM20110130_172113_20110131_030000_20110131_150000	49	31-JAN-2011 04:17:24
ECMWF_FILE	AUX_ECF_AXNECM20110131_052114_20110131_150000_20110201_030000	70	31-JAN-2011 20:13:15
ECMWF_FILE	AUX_ECF_AXNECM20110131_052114_20110131_210000_20110201_090000	83	31-JAN-2011 21:27:58
OPTIONAL_ECMWF_FILE	MISSING	1	31-JAN-2011 00:01:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110130_234036_000057383099_00073_46639_2431.N1	1	31-JAN-2011 00:01:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110131_012133_000098823099_00074_46640_2432.N1	16	31-JAN-2011 01:25:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110131_041135_000060573099_00076_46642_2433.N1	49	31-JAN-2011 04:17:24
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110131_201316_000041443099_00086_46652_2434.N1	70	31-JAN-2011 20:13:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110131_212739_000054193099_00086_46652_2435.N1	83	31-JAN-2011 21:27:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110131_230317_000057383099_00087_46653_2436.N1	104	31-JAN-2011 23:08:12



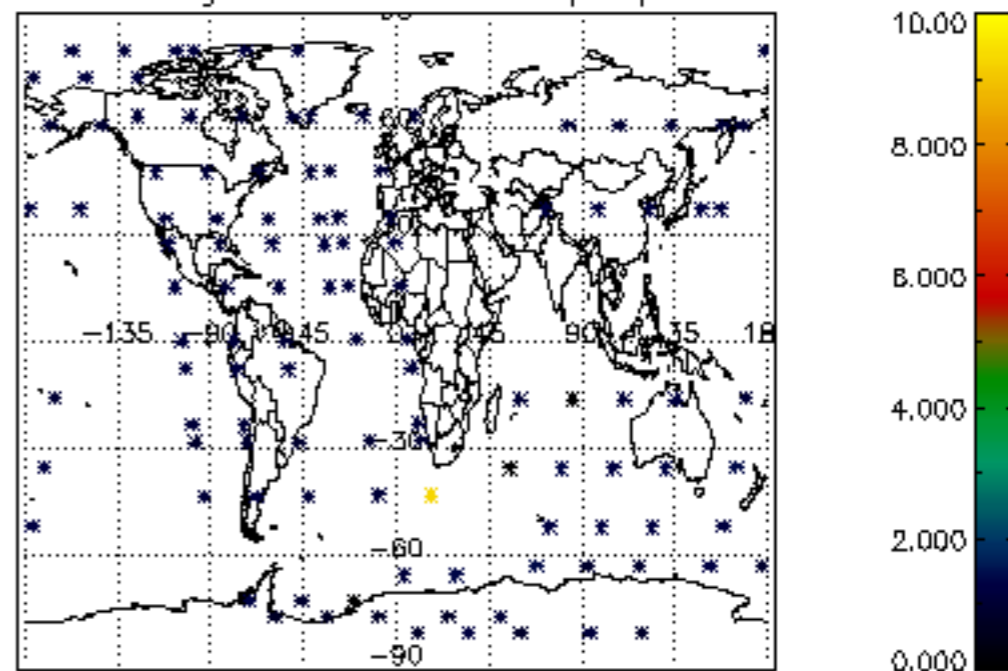




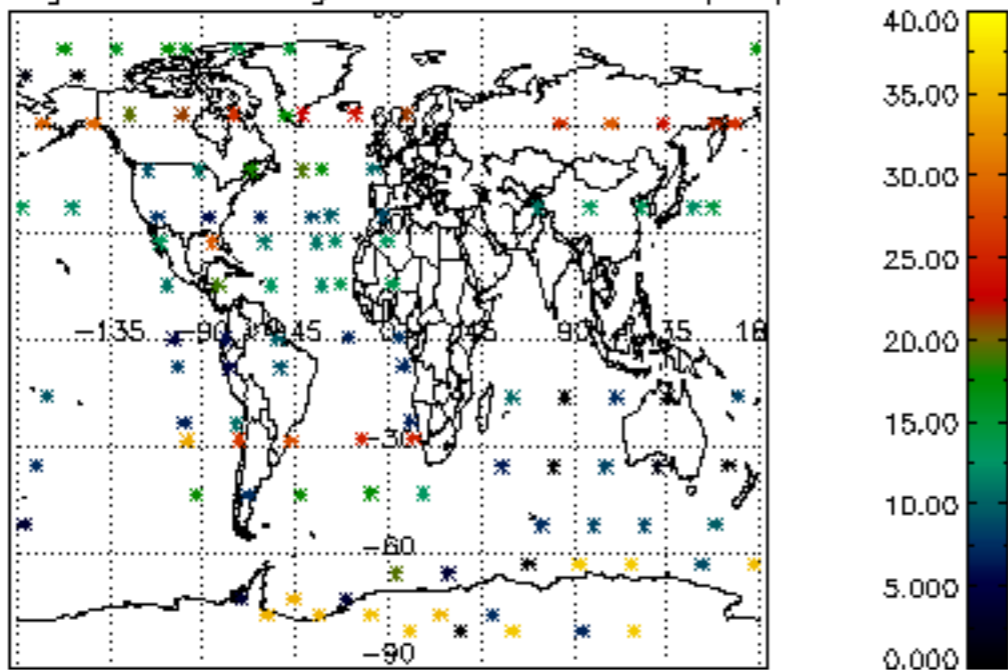
Percentage of cosmic ray hits per profile



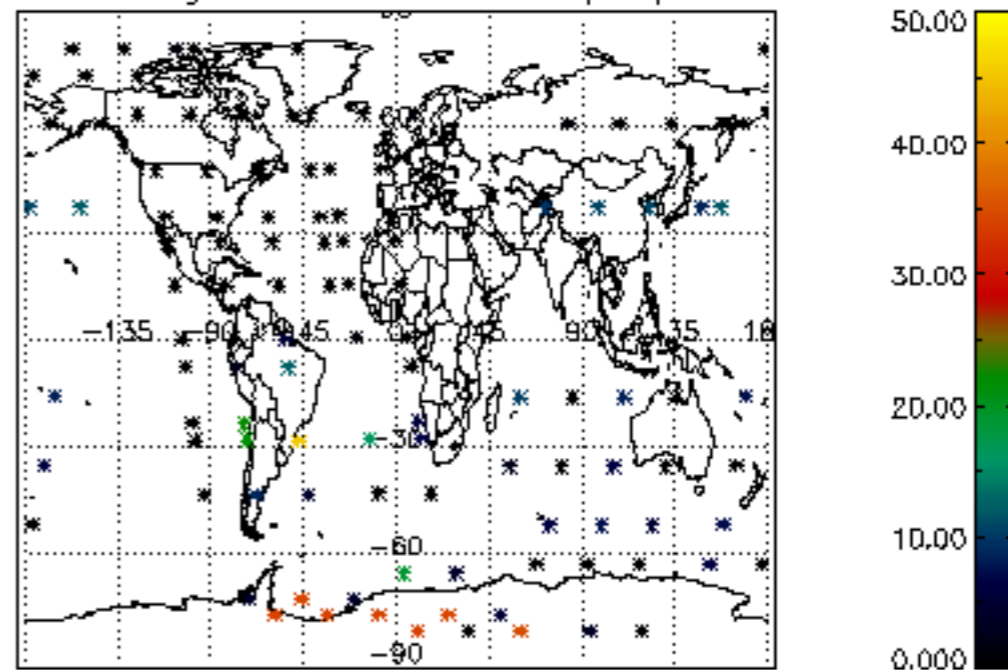
Percentage of datation errors per profile



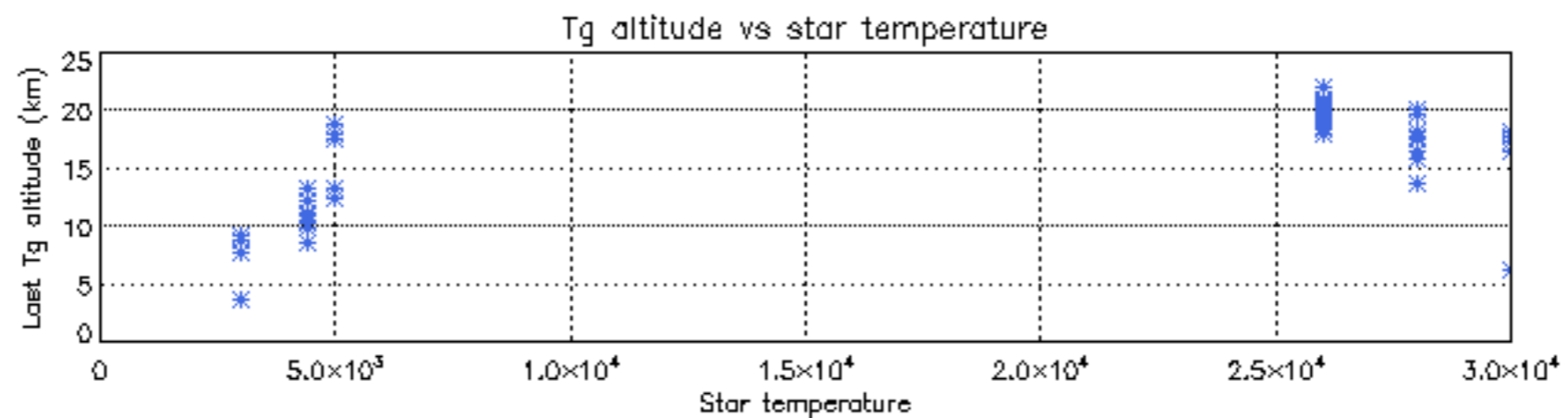
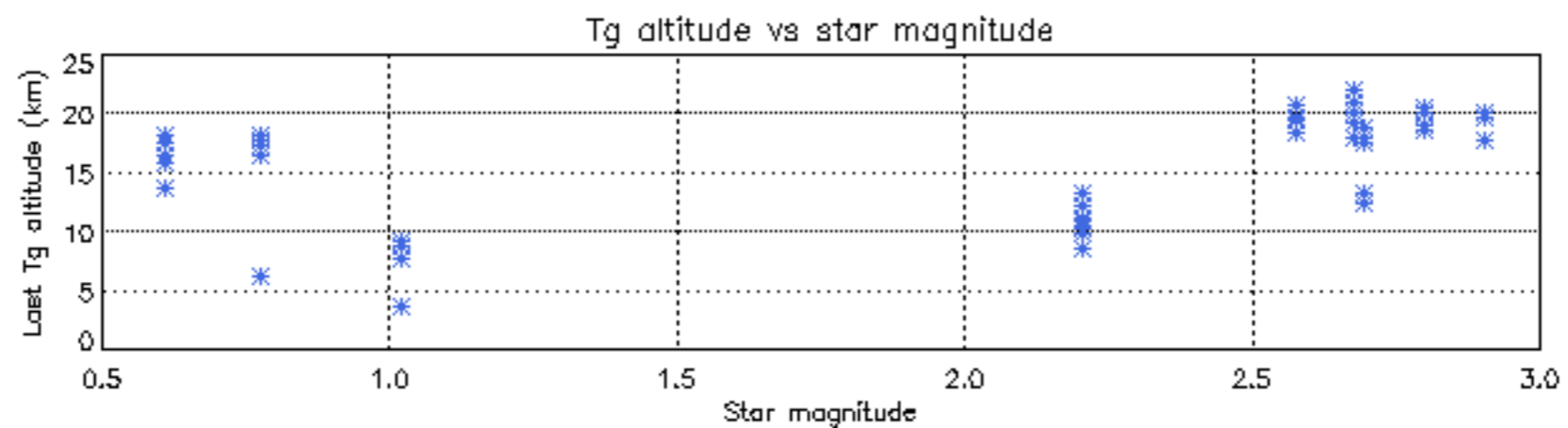
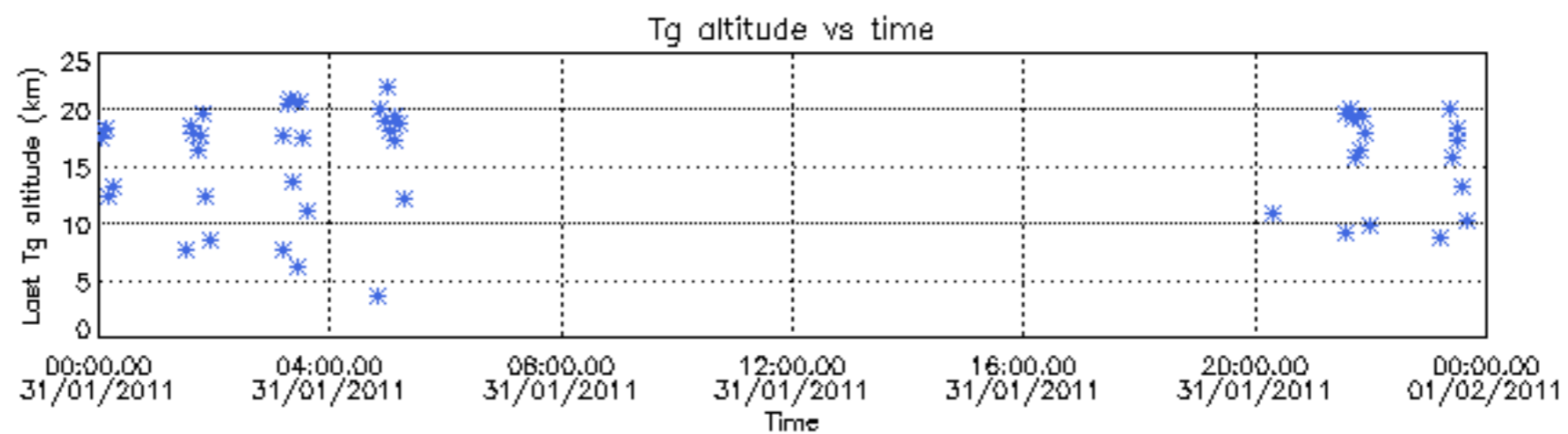
Percentage of star falling outside central band per profile



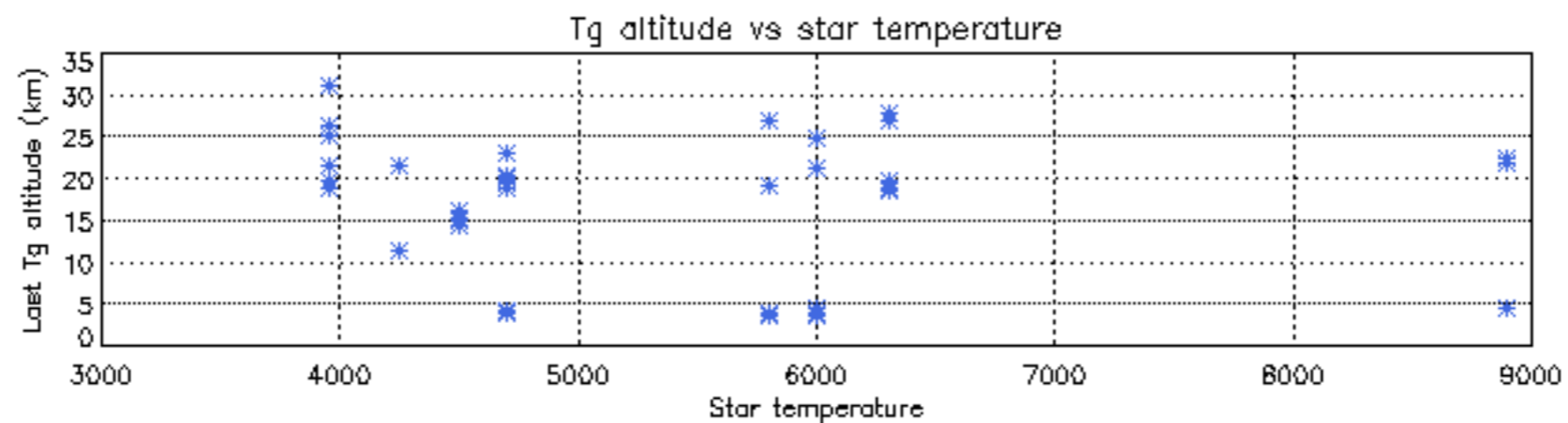
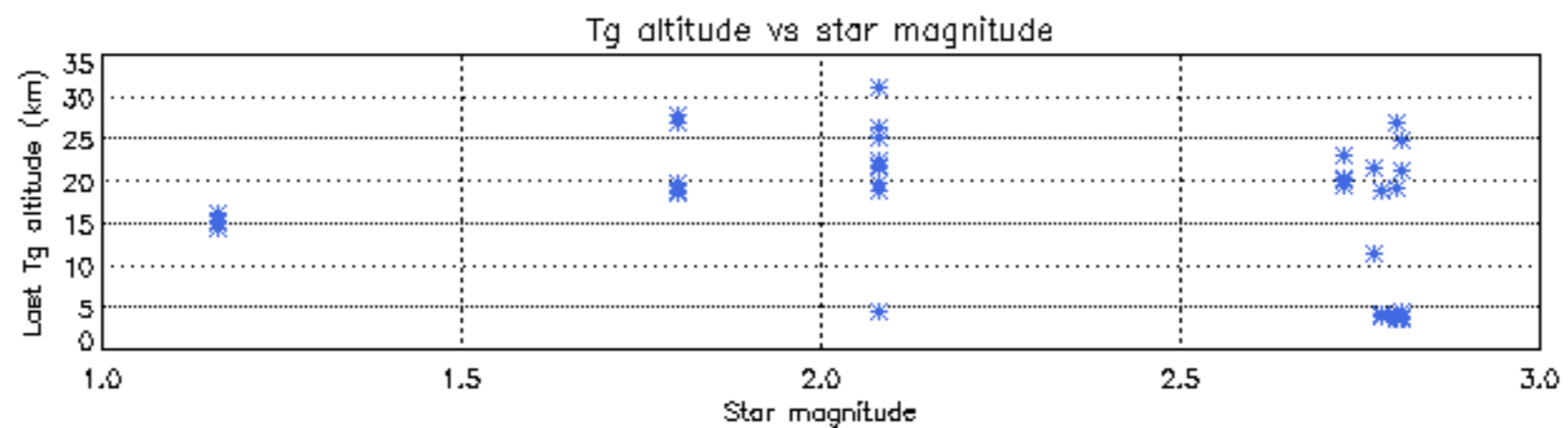
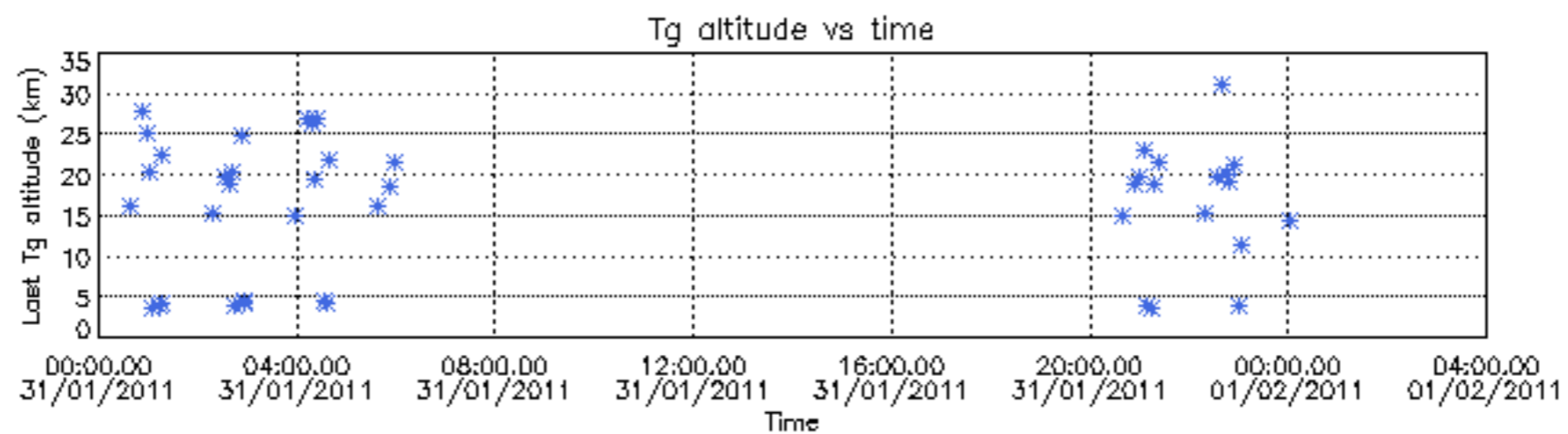
Percentage of saturation errors per profile

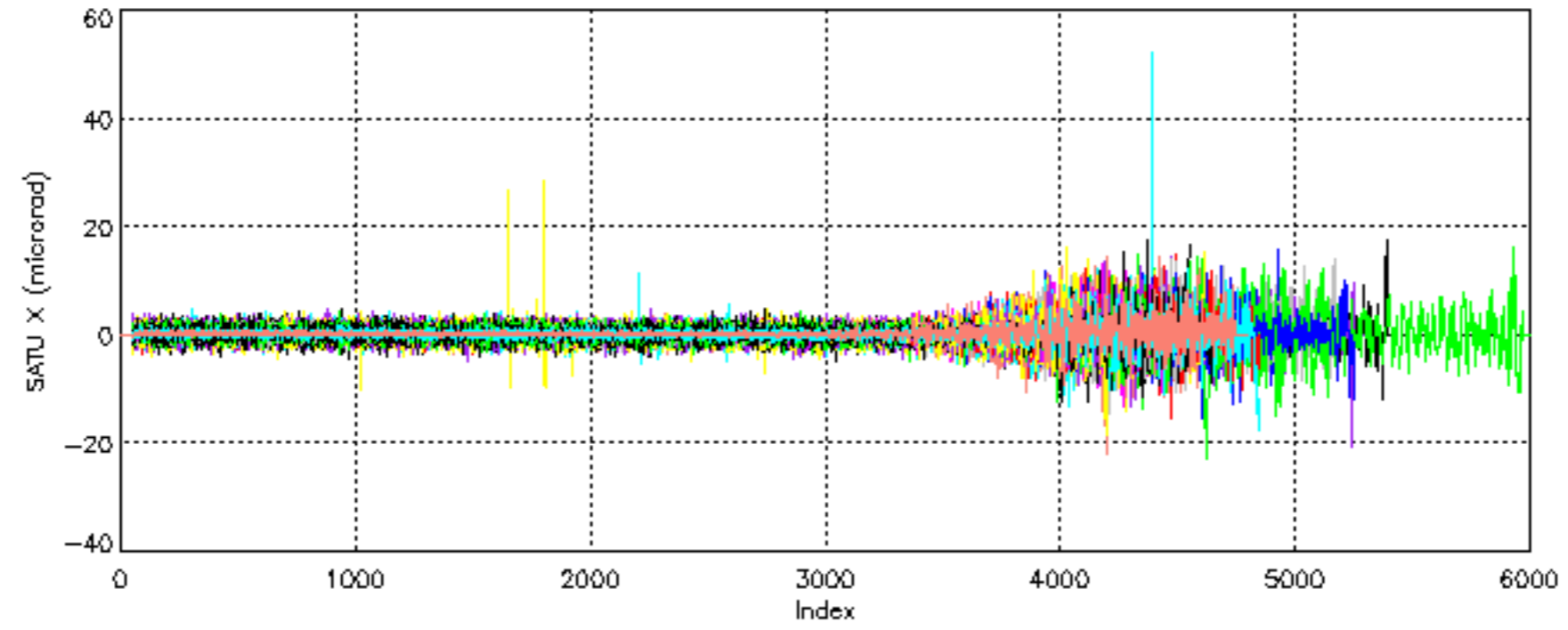


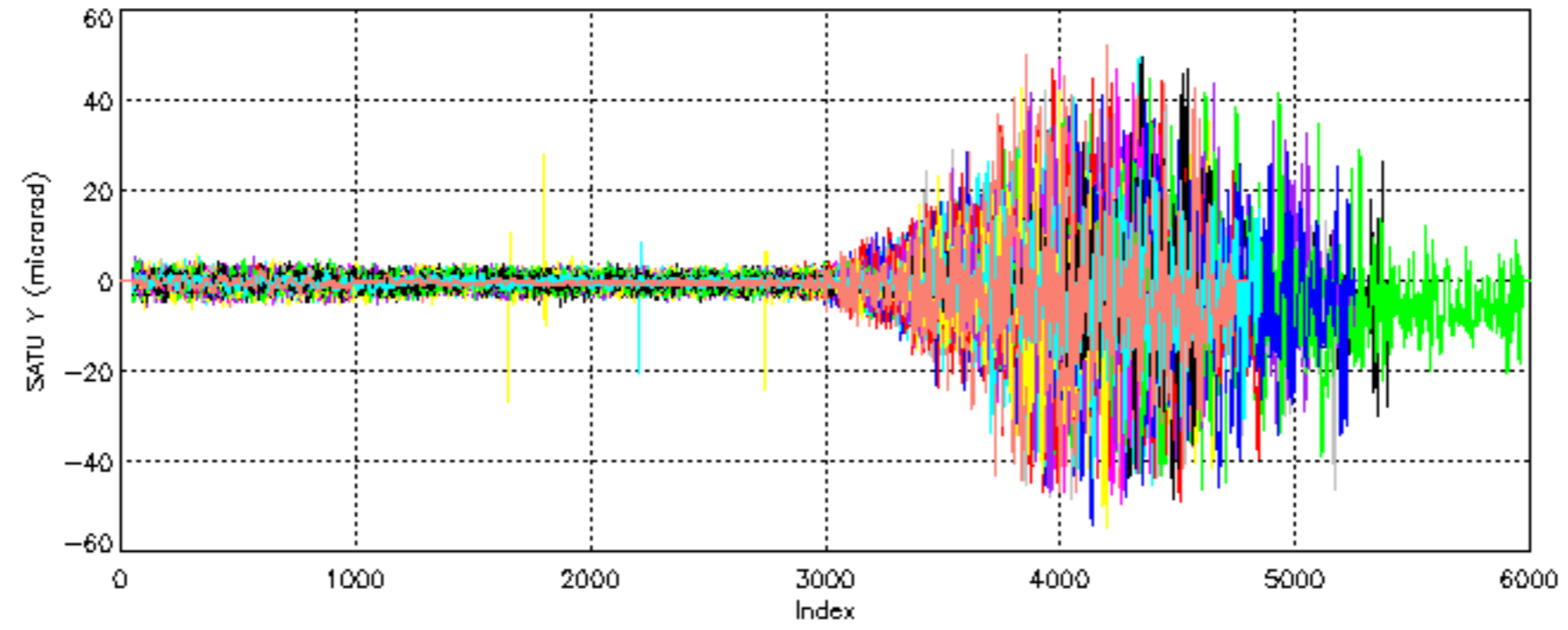
Tangent altitude at which the star is lost

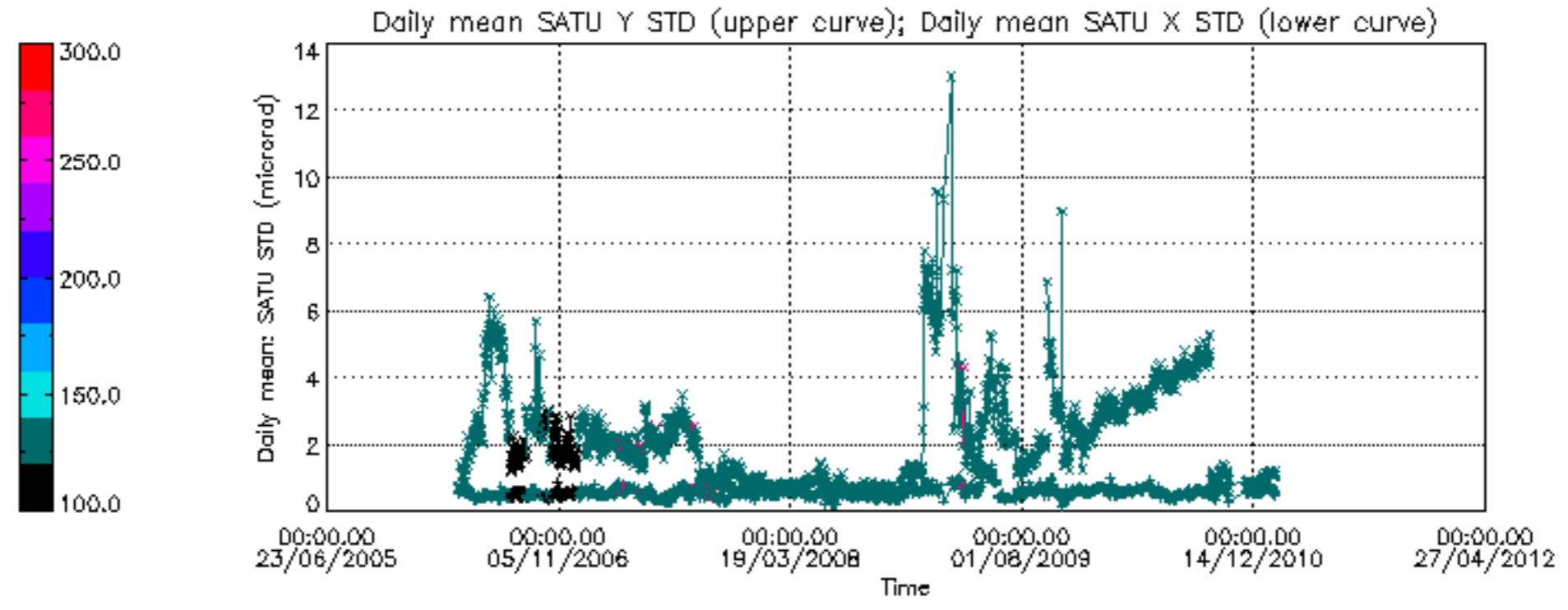


Tangent altitude at which the star is lost









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1;	-684.4;	01-JAN-2011	01:25:08;	Dark	;	45.0;	122;	9Alp2Lib	;	2.75;	9700;	occ;	90;	0;	46209
2;	-272.2;	01-JAN-2011	01:32:00;	Dark	;	43.0;	54;	5The Cen	;	2.06;	4500;	occ;	86;	0;	46209
3;	-3.0;	01-JAN-2011	01:36:29;	Dark	;	40.5;	77;	Eps Cen	;	2.30;	28000;	occ;	81;	0;	46210
4;	102.2;	01-JAN-2011	01:38:14;	Dark	;	45.0;	64;	Gam Cen	;	2.20;	10600;	occ;	90;	0;	46210
5;	211.5;	01-JAN-2011	01:40:04;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	46210
6;	470.5;	01-JAN-2011	01:44:23;	Dark	;	48.0;	113;	Mu Vel	;	2.69;	5000;	occ;	96;	0;	46210
7;	623.9;	01-JAN-2011	01:46:56;	Dark	;	48.5;	71;	Iot Car	;	2.25;	7700;	occ;	97;	0;	46210
8;	738.0;	01-JAN-2011	01:48:50;	Dark	;	42.5;	46;	Del Vel	;	1.95;	10600;	occ;	85;	0;	46210
9;	908.3;	01-JAN-2011	01:51:41;	Dark	;	48.5;	34;	Gam2Vel	;	1.79;	23000;	occ;	97;	0;	46210
10;	1039.2;	01-JAN-2011	01:53:52;	Dark	;	49.5;	70;	Zet Pup	;	2.25;	39000;	occ;	99;	0;	46210
11;	1163.5;	01-JAN-2011	01:55:56;	Dark	;	49.0;	117;	Pi Pup	;	2.71;	3800;	occ;	98;	0;	46210
12;	1330.9;	01-JAN-2011	01:58:43;	Dark	;	47.0;	23;	21Eps CMa	;	1.50;	26000;	occ;	94;	0;	46210
13;	1423.0;	01-JAN-2011	02:00:15;	Dark	;	45.0;	179;	240mi2CMa	;	3.03;	24000;	occ;	90;	0;	46210
14;	1570.3;	01-JAN-2011	02:02:43;	Dark	;	53.0;	1;	9Alp CMa	;	-1.44;	11000;	occ;	106;	0;	46210
15;	1719.7;	01-JAN-2011	02:05:12;	Dark	;	42.5;	56;	53Kap Ori	;	2.07;	30000;	occ;	85;	0;	46210
16;	1869.3;	01-JAN-2011	02:07:42;	Dark	;	45.5;	30;	46Eps Ori	;	1.69;	30000;	occ;	91;	0;	46210
17;	2019.8;	01-JAN-2011	02:10:12;	Dark	;	55.0;	14;	58Alp Ori	;	0.87;	3000;	occ;	110;	0;	46210
18;	2214.1;	01-JAN-2011	02:13:26;	Dark	;	48.5;	44;	24Gam Gem	;	1.93;	11000;	occ;	97;	0;	46210
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21;	2677.4;	01-JAN-2011	02:21:10;	Bright;	;	40.5;	6;	13Alp Aur	;	0.08;	3400;	occ;	81;	0;	46210
22;	3671.8;	01-JAN-2011	02:37:44;	Bright;	;	55.0;	60;	7Bet UMi	;	2.08;	3950;	occ;	110;	0;	46210
23;	3889.5;	01-JAN-2011	02:41:22;	Bright;	;	48.0;	32;	77Eps UMa	;	1.76;	11000;	occ;	96;	0;	46210
24;	4086.7;	01-JAN-2011	02:44:39;	Bright;	;	66.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	132;	0;	46210
25;	4331.1;	01-JAN-2011	02:48:43;	Bright;	;	40.0;	180;	27Gam Boo	;	3.04;	8000;	occ;	80;	0;	46210
26;	4552.2;	01-JAN-2011	02:52:24;	Bright;	;	62.0;	83;		;	2.38;	11000;	occ;	124;	0;	46210
27;	4747.8;	01-JAN-2011	02:55:40;	Bright;	;	54.0;	3;	16Alp Boo	;	-0.05;	4250;	occ;	108;	0;	46210
28;	4868.3;	01-JAN-2011	02:57:41;	Bright;	;	54.0;	102;	24Alp Ser	;	2.60;	4250;	occ;	108;	0;	46210
29;	5171.3;	01-JAN-2011	03:02:44;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	112;	0;	46210
30;	5330.2;	01-JAN-2011	03:05:23;	Dark	;	44.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	89;	0;	46210
31;	5742.5;	01-JAN-2011	03:12:15;	Dark	;	49.0;	54;	5The Cen	;	2.06;	4500;	occ;	98;	0;	46210
32;	5907.7;	01-JAN-2011	03:15:00;	Dark	;	40.0;	95;	Zet Cen	;	2.55;	26000;	occ;	80;	0;	46210
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34;	6117.0;	01-JAN-2011	03:18:29;	Dark	;	45.0;	64;	Gam Cen	;	2.20;	10600;	occ;	90;	0;	46211
35;	6226.4;	01-JAN-2011	03:20:19;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	46211
36;	6485.7;	01-JAN-2011	03:24:38;	Dark	;	49.0;	113;	Mu Vel	;	2.69;	5000;	occ;	98;	0;	46211
37;	6638.6;	01-JAN-2011	03:27:11;	Dark	;	42.5;	71;	Iot Car	;	2.25;	7700;	occ;	85;	0;	46211
38;	6752.6;	01-JAN-2011	03:29:05;	Dark	;	45.0;	46;	Del Vel	;	1.95;	10600;	occ;	90;	0;	46211
39;	6923.2;	01-JAN-2011	03:31:56;	Dark	;	46.5;	34;	Gam2Vel	;	1.79;	23000;	occ;	93;	0;	46211
40;	7054.0;	01-JAN-2011	03:34:06;	Dark	;	45.5;	70;	Zet Pup	;	2.25;	39000;	occ;	91;	0;	46211
41;	7178.0;	01-JAN-2011	03:36:10;	Dark	;	47.0;	117;	Pi Pup	;	2.71;	3800;	occ;	94;	0;	46211
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44;	7584.6;	01-JAN-2011	03:42:57;	Dark	;	53.0;	1;	9Alp CMa	;	-1.44;	11000;	occ;	106;	0;	46211
45;	7733.8;	01-JAN-2011	03:45:26;	Dark	;	44.0;	56;	53Kap Ori	;	2.07;	30000;	occ;	88;	0;	46211
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47;	8034.0;	01-JAN-2011	03:50:26;	Dark	;	55.0;	14;	58Alp Ori	;	0.87;	3000;	occ;	110;	0;	46211
48;	8228.0;	01-JAN-2011	03:53:40;	Dark	;	44.5;	44;	24Gam Gem	;	1.93;	11000;	occ;	89;	0;	46211
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51;	8691.4;	01-JAN-2011	04:01:24;	Bright;	;	41.0;	6;	13Alp Aur	;	0.08;	3400;	occ;	82;	0;	46211

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2;	-2124.9;	01-JAN-2011	04:21:36;	Bright;	;	47.5;	32;	77Eps UMa	;	1.76;	11000;	occ;	95;	0;	46211
3;	-1927.5;	01-JAN-2011	04:24:53;	Bright;	;	45.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	90;	0;	46211
4;	-1683.0;	01-JAN-2011	04:28:57;	Bright;	;	42.5;	180;	27Gam Boo	;	3.04;	8000;	occ;	85;	0;	46211
5;	-1461.7;	01-JAN-2011	04:32:39;	Bright;	;	44.0;	83;		;	2.38;	11000;	occ;	88;	0;	46211
6;	-1265.7;	01-JAN-2011	04:35:55;	Bright;	;	54.0;	3;	16Alp Boo	;	-0.05;	4250;	occ;	108;	0;	46211
7;	-1145.5;	01-JAN-2011	04:37:55;	Bright;	;	54.0;	102;	24Alp Ser	;	2.60;	4250;	occ;	108;	0;	46211
8;	-842.3;	01-JAN-2011	04:42:58;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	112;	0;	46211
9;	-683.2;	01-JAN-2011	04:45:37;	Dark	;	45.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	91;	0;	46211
10;	-270.8;	01-JAN-2011	04:52:30;	Dark	;	47.0;	54;	5The Cen	;	2.06;	4500;	occ;	94;	0;	46211
11;	-105.9;	01-JAN-2011	04:55:15;	Dark	;	41.5;	95;	Zet Cen	;	2.55;	26000;	occ;	83;	0;	46211
12;	-1.7;	01-JAN-2011	04:56:59;	Dark	;	40.0;	77;	Eps Cen	;	2.30;	28000;	occ;	80;	0;	46212
13;	103.9;	01-JAN-2011	04:58:44;	Dark	;	44.0;	64;	Gam Cen	;	2.20;	10600;	occ;	88;	0;	46212
14;	213.3;	01-JAN-2011	05:00:34;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	46212
15;	472.3;	01-JAN-2011	05:04:53;	Dark	;	48.5;	113;	Mu Vel	;	2.69;	5000;	occ;	97;	0;	46212


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25; 1869.6; 01-JAN-2011 05:28:10; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;46212
26; 2019.7; 01-JAN-2011 05:30:40; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;46212
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6; 1571.8; 01-JAN-2011 20:25:19; Dark ; 51.5; 1; 9Alp CMA ; -1.44; 11000;occ; 103; 0;46221
7; 1720.8; 01-JAN-2011 20:27:48; Dark ; 44.0; 56; 53Kap Ori ; 2.07; 30000;occ; 88; 0;46221
8; 1856.3; 01-JAN-2011 20:30:03; Dark ; 44.5; 33; 50Zet Ori ; 1.77; 30000;occ; 89; 0;46221
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11; 2309.2; 01-JAN-2011 20:37:36; Bright; 45.0; 151; 13Mu Gem ; 2.89; 3000;occ; 90; 0;46221
12; 2549.2; 01-JAN-2011 20:41:36; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;46221
13; 2676.5; 01-JAN-2011 20:43:43; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;46221
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9; 630.4; 01-JAN-2011 21:49:51; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;46222
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13; 1167.9; 01-JAN-2011 21:58:49; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;46222
14; 1334.3; 01-JAN-2011 22:01:35; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 0;46222
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26; 4084.2; 01-JAN-2011 22:47:25; Bright; 67.0; 39; 85Eta UMa ; 1.85; 24000;occ; 134; 0;46222
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3; 3310.0; 27-JAN-2011 10:00:01; Bright; 45.0; 36; 50Alp UMa ; 1.80; 6300;occ; 90; 0;46588
4; 3609.5; 27-JAN-2011 10:05:00; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;46588
5; 3886.3; 27-JAN-2011 10:09:37; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;46588
6; 4066.4; 27-JAN-2011 10:12:37; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;46588

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15; 5628.9; 31-JAN-2011 16:32:54; Dark ; 46.5; 158; 6Pi Sco ; 2.91; 28000;occ; 93; 0;46649
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17; 6025.2; 31-JAN-2011 16:39:31; Dark ; 44.0; 109; Bet Lup ; 2.68; 26000;occ; 88; 0;46650
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22; 6819.8; 31-JAN-2011 16:52:45; Dark ; 51.5; 113; Mu Vel ; 2.69; 5000;occ; 103; 0;46650
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