

GOMOS Daily Report 04-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	07JAN2011 05:01:23
Data source version	GOMOS/5.01
Start time of products	04JAN2011 00:01:51
Stop time of products	04JAN2011 23:54:10
Store outputs in DB	Yes
Nb of level 1b prods	182
Nb of prods with errors	1

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

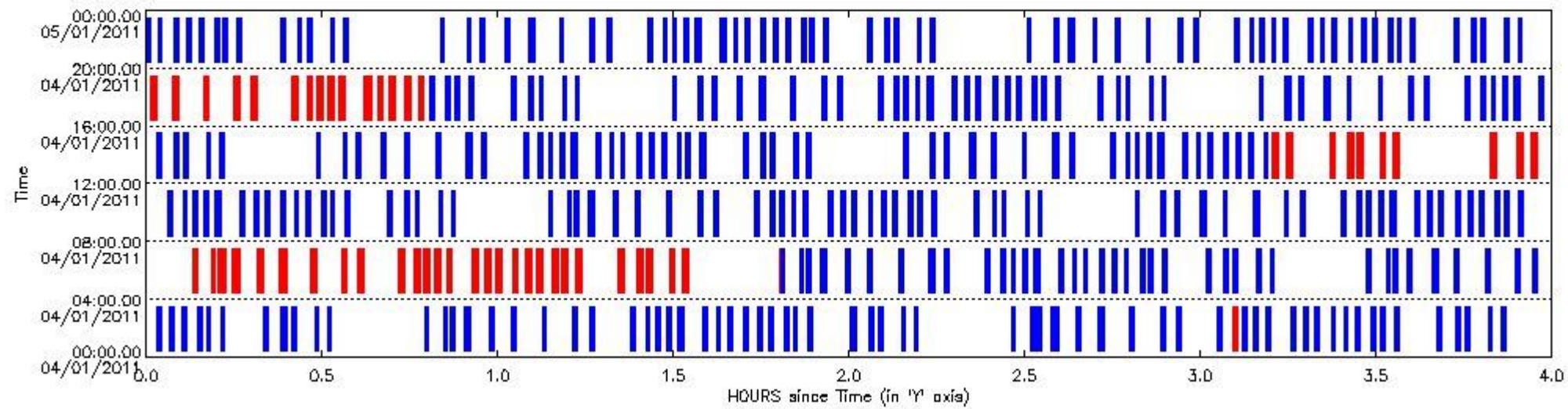
2.1 Level 0 products arrived in PCF (see template [here](#))

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
04-JAN-2011 03:05:26	ZetCen	95	46253
04-JAN-2011 04:07:52	7BetUMi	60	46254
04-JAN-2011 04:11:16	77EpsUMa	32	46254
04-JAN-2011 04:12:20	79ZetUMa	55	46254
04-JAN-2011 04:14:42	85EtaUMa	39	46254
04-JAN-2011 04:18:57	27GamBoo	180	46254
04-JAN-2011 04:22:47		83	46254
04-JAN-2011 04:28:07	24AlpSer	102	46254
04-JAN-2011 04:33:18	27BetLib	104	46254
04-JAN-2011 04:36:03	9Alp2Lib	122	46254
04-JAN-2011 04:43:01	5TheCen	54	46254
04-JAN-2011 04:45:41	ZetCen	95	46254
04-JAN-2011 04:47:23	EpsCen	77	46255
04-JAN-2011 04:49:19	GamCen	64	46255
04-JAN-2011 04:51:13	DSA1053	0	46255

04-JAN-2011 04:55:29	MuVel	113	46255
04-JAN-2011 04:57:47	lotCar	71	46255
04-JAN-2011 04:59:41	DelVel	46	46255
04-JAN-2011 05:02:30	Gam2Vel	34	46255
04-JAN-2011 05:04:41	ZetPup	70	46255
04-JAN-2011 05:06:39	PiPup	117	46255
04-JAN-2011 05:09:22	21EpsCMa	23	46255
04-JAN-2011 05:10:52	24Omi2CMa	179	46255
04-JAN-2011 05:13:15	9AlpCMa	1	46255
04-JAN-2011 05:20:38	58AlpOri	14	46255
04-JAN-2011 05:23:40	24GamGem	44	46255
04-JAN-2011 05:25:20	13MuGem	151	46255
04-JAN-2011 05:29:21	37TheAur	107	46255
04-JAN-2011 05:31:34	34BetAur	42	46255
04-JAN-2011 05:48:06	7BetUMi	60	46255
04-JAN-2011 15:12:18	24Omi2CMa	179	46261
04-JAN-2011 15:14:40	9AlpCMa	1	46261
04-JAN-2011 15:22:02	58AlpOri	14	46261
04-JAN-2011 15:25:03	24GamGem	44	46261
04-JAN-2011 15:26:42	13MuGem	151	46261
04-JAN-2011 15:30:44	37TheAur	107	46261
04-JAN-2011 15:32:57	34BetAur	42	46261
04-JAN-2011 15:49:30	7BetUMi	60	46261
04-JAN-2011 15:53:56	79ZetUMa	55	46261
04-JAN-2011 15:56:19	85EtaUMa	39	46261
04-JAN-2011 16:00:36	27GamBoo	180	46261
04-JAN-2011 16:04:27		83	46261
04-JAN-2011 16:09:48	24AlpSer	102	46261
04-JAN-2011 16:14:59	27BetLib	104	46261
04-JAN-2011 16:17:46	9Alp2Lib	122	46261
04-JAN-2011 16:24:44	5TheCen	54	46261
04-JAN-2011 16:27:24	ZetCen	95	46261
04-JAN-2011 16:29:05	EpsCen	77	46262
04-JAN-2011 16:31:03	GamCen	64	46262
04-JAN-2011 16:32:57	DSA1053	0	46262
04-JAN-2011 16:37:14	MuVel	113	46262
04-JAN-2011 16:39:29	lotCar	71	46262
04-JAN-2011 16:41:23	DelVel	46	46262
04-JAN-2011 16:44:12	Gam2Vel	34	46262
04-JAN-2011 16:46:22	ZetPup	70	46262

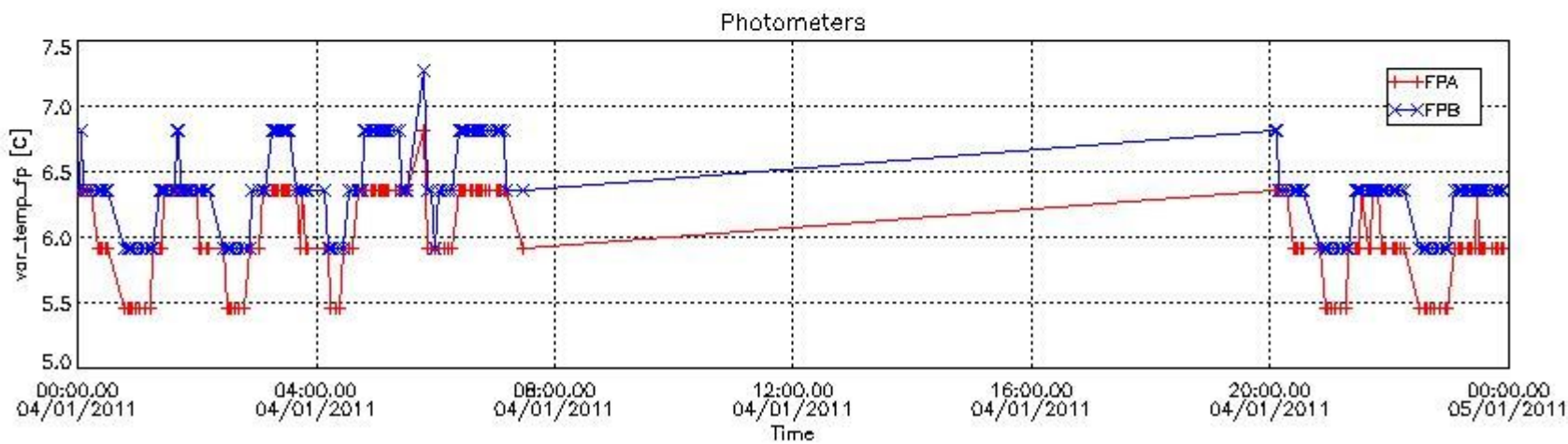
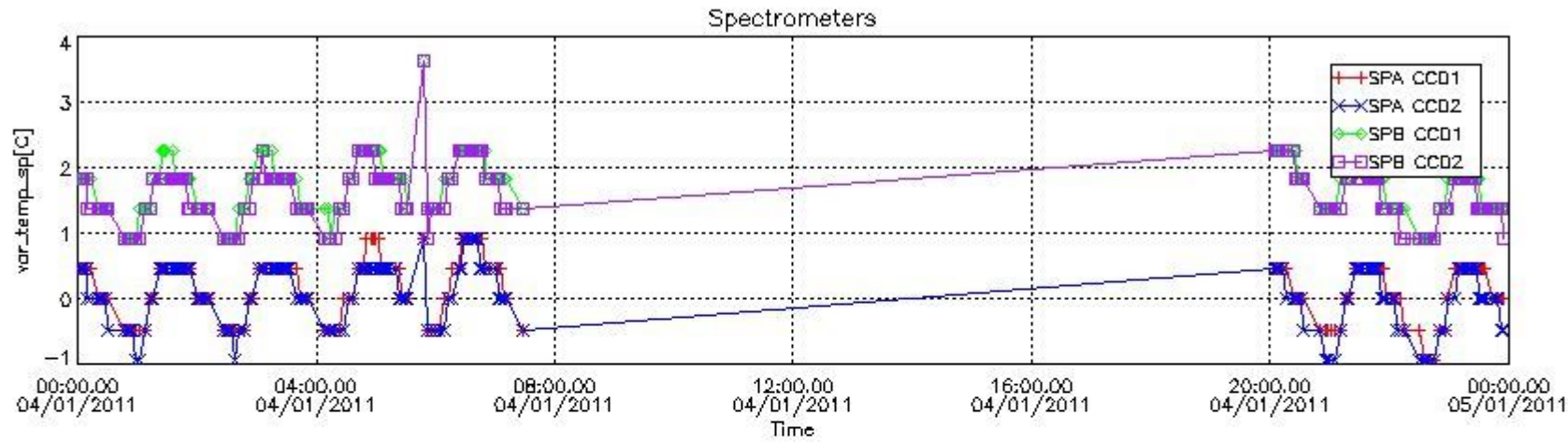
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20110104_000151_000000453098_00117_46252_1414.N1	04-JAN-2011 00:01:51	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	46252	No
2	GOM_TRA_1PNPDE20110104_000401_000000493098_00117_46252_1415.N1	04-JAN-2011 00:04:01	Dark	48.500	70	Zet Pup	2.2460	39000.	97	46252	No
3	GOM_TRA_1PNPDE20110104_000600_000000473098_00117_46252_1416.N1	04-JAN-2011 00:06:00	Dark	47.000	117	Pi Pup	2.7060	3800.0	94	46252	No
4	GOM_TRA_1PNPDE20110104_000843_000000463098_00117_46252_1417.N1	04-JAN-2011 00:08:43	Straylight	46.000	23	21Eps CMa	1.5020	26000.	92	46252	No
5	GOM_TRA_1PNPDE20110104_001013_000000373098_00117_46252_1418.N1	04-JAN-2011 00:10:13	Straylight	37.000	179	24Omi2CMa	3.0320	24000.	74	46252	No
6	GOM_TRA_1PNPDE20110104_001237_000000373098_00117_46252_1419.N1	04-JAN-2011 00:12:37	Straylight	36.500	1	9Alp CMa	-1.4400	11000.	73	46252	No
7	GOM_TRA_1PNPDE20110104_002000_000000513098_00117_46252_1420.N1	04-JAN-2011 00:20:00	Twilight_stray	51.000	14	58Alp Ori	0.87000	3000.0	102	46252	No
8	GOM_TRA_1PNPDE20110104_002303_000000533098_00117_46252_1421.N1	04-JAN-2011 00:23:03	Bright	52.500	44	24Gam Gem	1.9280	11000.	105	46252	No
9	GOM_TRA_1PNPDE20110104_002442_000000543098_00117_46252_1422.N1	04-JAN-2011 00:24:42	Bright	54.000	151	13Mu Gem	2.8900	3000.0	108	46252	No
10	GOM_TRA_1PNPDE20110104_002844_000000383098_00117_46252_1423.N1	04-JAN-2011 00:28:44	Bright	37.500	107	37The Aur	2.6490	11000.	75	46252	No
11	GOM_TRA_1PNPDE20110104_003057_000000393098_00117_46252_1424.N1	04-JAN-2011 00:30:57	Bright	38.500	42	34Bet Aur	1.9000	10200.	77	46252	No
12	GOM_TRA_1PNPDE20110104_004729_000000393098_00117_46252_1425.N1	04-JAN-2011 00:47:29	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	46252	No
13	GOM_TRA_1PNPDE20110104_005052_000000343098_00117_46252_1426.N1	04-JAN-2011 00:50:52	Twilight_stray	34.000	32	77Eps UMa	1.7630	11000.	68	46252	No
14	GOM_TRA_1PNPDE20110104_005157_000000463098_00117_46252_1427.N1	04-JAN-2011 00:51:57	Bright	46.000	55	79Zet UMa	2.0600	10200.	92	46252	No

15	GOM_TRA_1PNPDE20110104_005418_000000683098_00117_46252_1428.N1	04-JAN-2011 00:54:18	Bright	68.000	39	85Eta UMa	1.8540	24000.	136	46252	No
16	GOM_TRA_1PNPDE20110104_005833_000000433098_00117_46252_1429.N1	04-JAN-2011 00:58:33	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	46252	No
17	GOM_TRA_1PNPDE20110104_010222_000000433098_00117_46252_1430.N1	04-JAN-2011 01:02:22	Bright	43.000	83		2.3780	11000.	86	46252	No
18	GOM_TRA_1PNPDE20110104_010743_000000373098_00117_46252_1431.N1	04-JAN-2011 01:07:43	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	46252	No
19	GOM_TRA_1PNPDE20110104_011253_000000383098_00117_46252_1432.N1	04-JAN-2011 01:12:53	Bright	37.500	104	27Bet Lib	2.6140	13100.	75	46252	No
20	GOM_TRA_1PNPDE20110104_011538_000000483098_00117_46252_1442.N1	04-JAN-2011 01:15:38	Twilight	48.000	122	9Alp2Lib	2.7470	9700.0	96	46252	No
21	GOM_TRA_1PNPDE20110104_012235_000000523098_00117_46252_1443.N1	04-JAN-2011 01:22:35	Dark	52.000	54	5The Cen	2.0550	4500.0	104	46252	No
22	GOM_TRA_1PNPDE20110104_012515_000000413098_00117_46252_1444.N1	04-JAN-2011 01:25:15	Dark	40.500	95	Zet Cen	2.5450	26000.	81	46252	No
23	GOM_TRA_1PNPDE20110104_012657_000000423098_00118_46253_1445.N1	04-JAN-2011 01:26:57	Dark	41.500	77	Eps Cen	2.3030	28000.	83	46253	No
24	GOM_TRA_1PNPDE20110104_012853_000000443098_00118_46253_1446.N1	04-JAN-2011 01:28:53	Dark	43.500	64	Gam Cen	2.2000	10600.	87	46253	No
25	GOM_TRA_1PNPDE20110104_013504_000000513098_00118_46253_1447.N1	04-JAN-2011 01:35:04	Dark	50.500	113	Mu Vel	2.6920	5000.0	101	46253	No
26	GOM_TRA_1PNPDE20110104_013722_000000413098_00118_46253_1448.N1	04-JAN-2011 01:37:22	Dark	40.500	71	lot Car	2.2460	7700.0	81	46253	No
27	GOM_TRA_1PNPDE20110104_013916_000000443098_00118_46253_1449.N1	04-JAN-2011 01:39:16	Dark	44.000	46	Del Vel	1.9540	10600.	88	46253	No
28	GOM_TRA_1PNPDE20110104_014205_000000453098_00118_46253_1450.N1	04-JAN-2011 01:42:05	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	46253	No
29	GOM_TRA_1PNPDE20110104_014416_000000483098_00118_46253_1451.N1	04-JAN-2011 01:44:16	Dark	47.500	70	Zet Pup	2.2460	39000.	95	46253	No
30	GOM_TRA_1PNPDE20110104_014614_000000483098_00118_46253_1452.N1	04-JAN-2011 01:46:14	Dark	47.500	117	Pi Pup	2.7060	3800.0	95	46253	No
31	GOM_TRA_1PNPDE20110104_014857_000000473098_00118_46253_1453.N1	04-JAN-2011 01:48:57	Straylight	46.500	23	21Eps CMa	1.5020	26000.	93	46253	No
32	GOM_TRA_1PNPDE20110104_015028_000000433098_00118_46253_1454.N1	04-JAN-2011 01:50:28	Straylight	43.000	179	24Omi2CMa	3.0320	24000.	86	46253	No
33	GOM_TRA_1PNPDE20110104_015251_000000483098_00118_46253_1455.N1	04-JAN-2011 01:52:51	Straylight	48.000	1	9Alp CMa	-1.4400	11000.	96	46253	No
34	GOM_TRA_1PNPDE20110104_020014_000000543098_00118_46253_1456.N1	04-JAN-2011 02:00:14	Twilight	53.500	14	58Alp Ori	0.87000	3000.0	107	46253	No
35	GOM_TRA_1PNPDE20110104_020317_000000483098_00118_46253_1457.N1	04-JAN-2011 02:03:17	Twilight	47.500	44	24Gam Gem	1.9280	11000.	95	46253	No
36	GOM_TRA_1PNPDE20110104_020456_000000463098_00118_46253_1458.N1	04-JAN-2011 02:04:56	Bright	46.000	151	13Mu Gem	2.8900	3000.0	92	46253	No
37	GOM_TRA_1PNPDE20110104_020857_000000403098_00118_46253_1459.N1	04-JAN-2011 02:08:57	Bright	39.500	107	37The Aur	2.6490	11000.	79	46253	No
38	GOM_TRA_1PNPDE20110104_021110_000000393098_00118_46253_1460.N1	04-JAN-2011 02:11:10	Bright	38.500	42	34Bet Aur	1.9000	10200.	77	46253	No
39	GOM_TRA_1PNPDE20110104_022742_000000393098_00118_46253_1461.N1	04-JAN-2011 02:27:42	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	46253	No
40	GOM_TRA_1PNPDE20110104_023106_000000343098_00118_46253_1462.N1	04-JAN-2011 02:31:06	Twilight	34.000	32	77Eps UMa	1.7630	11000.	68	46253	No
41	GOM_TRA_1PNPDE20110104_023210_000000483098_00118_46253_1463.N1	04-JAN-2011 02:32:10	Bright	48.000	55	79Zet UMa	2.0600	10200.	96	46253	No
42	GOM_TRA_1PNPDE20110104_023432_000000683098_00118_46253_1464.N1	04-JAN-2011 02:34:32	Bright	68.000	39	85Eta UMa	1.8540	24000.	136	46253	No
43	GOM_TRA_1PNPDE20110104_023847_000000423098_00118_46253_1465.N1	04-JAN-2011 02:38:47	Bright	42.000	180	27Gam Boo	3.0400	8000.0	84	46253	No
44	GOM_TRA_1PNPDE20110104_024236_000000653098_00118_46253_1466.N1	04-JAN-2011 02:42:36	Bright	65.000	83		2.3780	11000.	130	46253	No
45	GOM_TRA_1PNPDE20110104_024757_000000373098_00118_46253_1467.N1	04-JAN-2011 02:47:57	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	46253	No
46	GOM_TRA_1PNPDE20110104_025307_000000483098_00118_46253_1468.N1	04-JAN-2011 02:53:07	Bright	47.500	104	27Bet Lib	2.6140	13100.	95	46253	No
47	GOM_TRA_1PNPDE20110104_025552_000000473098_00118_46253_1469.N1	04-JAN-2011 02:55:52	Twilight	47.000	122	9Alp2Lib	2.7470	9700.0	94	46253	No
48	GOM_TRA_1PNPDE20110104_030250_000000563098_00118_46253_1470.N1	04-JAN-2011 03:02:50	Dark	56.000	54	5The Cen	2.0550	4500.0	112	46253	No
49	GOM_TRA_1PNPDE20110104_030712_000000393098_00119_46254_1471.N1	04-JAN-2011 03:07:12	Dark	39.000	77	Eps Cen	2.3030	28000.	78	46254	No
50	GOM_TRA_1PNPDE20110104_030908_000000463098_00119_46254_1472.N1	04-JAN-2011 03:09:08	Dark	45.500	64	Gam Cen	2.2000	10600.	91	46254	No
51	GOM_TRA_1PNPDE20110104_031519_000000543098_00119_46254_1473.N1	04-JAN-2011 03:15:19	Dark	54.000	113	Mu Vel	2.6920	5000.0	108	46254	No
52	GOM_TRA_1PNPDE20110104_031736_000000413098_00119_46254_1474.N1	04-JAN-2011 03:17:36	Dark	40.500	71	lot Car	2.2460	7700.0	81	46254	No
53	GOM_TRA_1PNPDE20110104_031931_000000443098_00119_46254_1475.N1	04-JAN-2011 03:19:31	Dark	43.500	46	Del Vel	1.9540	10600.	87	46254	No
54	GOM_TRA_1PNPDE20110104_032220_000000453098_00119_46254_1476.N1	04-JAN-2011 03:22:20	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	46254	No
55	GOM_TRA_1PNPDE20110104_032430_000000433098_00119_46254_1477.N1	04-JAN-2011 03:24:30	Dark	43.000	70	Zet Pup	2.2460	39000.	86	46254	No
56	GOM_TRA_1PNPDE20110104_032628_000000513098_00119_46254_1478.N1	04-JAN-2011 03:26:28	Dark	51.000	117	Pi Pup	2.7060	3800.0	102	46254	No
57	GOM_TRA_1PNPDE20110104_032912_000000463098_00119_46254_1479.N1	04-JAN-2011 03:29:12	Straylight	46.000	23	21Eps CMa	1.5020	26000.	92	46254	No
58	GOM_TRA_1PNPDE20110104_033042_000000433098_00119_46254_1480.N1	04-JAN-2011 03:30:42	Straylight	42.500	179	24Omi2CMa	3.0320	24000.	85	46254	No
59	GOM_TRA_1PNPDE20110104_033305_000000513098_00119_46254_1481.N1	04-JAN-2011 03:33:05	Straylight	50.500	1	9Alp CMa	-1.4400	11000.	101	46254	No
60	GOM_TRA_1PNPDE20110104_034028_000000503098_00119_46254_1482.N1	04-JAN-2011 03:40:28	Twilight	50.000	14	58Alp Ori	0.87000	3000.0	100	46254	No
61	GOM_TRA_1PNPDE20110104_034331_000000503098_00119_46254_1483.N1	04-JAN-2011 03:43:31	Twilight	50.000	44	24Gam Gem	1.9280	11000.	100	46254	No
62	GOM_TRA_1PNPDE20110104_034510_000000453098_00119_46254_1484.N1	04-JAN-2011 03:45:10	Bright	44.500	151	13Mu Gem	2.8900	3000.0	89	46254	No
63	GOM_TRA_1PNPDE20110104_034911_000000393098_00119_46254_1485.N1	04-JAN-2011 03:49:11	Bright	39.000	107	37The Aur	2.6490	11000.	78	46254	No
64	GOM_TRA_1PNPDE20110104_035124_000000373098_00119_46254_1486.N1	04-JAN-2011 03:51:24	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	46254	No
65	GOM_TRA_1PNPDE20110104_040756_000000393098_00119_46254_1466.N1	04-JAN-2011 04:07:56	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	46254	No
66	GOM_TRA_1PNPDE20110104_041120_000000303098_00119_46254_1467.N1	04-JAN-2011 04:11:20	Twilight	30.000	32	77Eps UMa	1.7630	11000.	60	46254	No
67	GOM_TRA_1PNPDE20110104_041224_000000573098_00119_46254_1468.N1	04-JAN-2011 04:12:24	Bright	57.000	55	79Zet UMa	2.0600	10200.	114	46254	No
68	GOM_TRA_1PNPDE20110104_041446_000000563098_00119_46254_1469.N1	04-JAN-2011 04:14:46	Bright	55.500	39	85Eta UMa	1.8540	24000.	111	46254	No
69	GOM_TRA_1PNPDE20110104_041902_000000653098_00119_46254_1470.N1	04-JAN-2011 04:19:02	Bright	65.000	180	27Gam Boo	3.0400	8000.0	130	46254	No
70	GOM_TRA_1PNPDE20110104_042251_000000653098_00119_46254_1471.N1	04-JAN-2011 04:22:51	Bright	65.000	83		2.3780	11000.	130	46254	No
71	GOM_TRA_1PNPDE20110104_042811_000000553098_00119_46254_1472.N1	04-JAN-2011 04:28:11	Bright	55.000	102	24Alp Ser	2.6000	4250.0	110	46254	No
72	GOM_TRA_1PNPDE20110104_043322_000000413098_00119_46254_1473.N1	04-JAN-2011 04:33:22	Bright	41.000	104	27Bet Lib	2.6140	13100.	82	46254	No
73	GOM_TRA_1PNPDE20110104_043607_000000433098_00119_46254_1474.N1	04-JAN-2011 04:36:07	Twilight	42.500	122	9Alp2Lib	2.7470	9700.0	85	46254	No

133	GOM_TRA_1PNPDE20110104_205704_000000443098_00129_46264_1608.N1	04-JAN-2011 20:57:04	Bright	44.000	39	85Eta UMa	1.8540	24000.	88	46264	No
134	GOM_TRA_1PNPDE20110104_210122_000000463098_00129_46264_1609.N1	04-JAN-2011 21:01:22	Bright	46.000	180	27Gam Boo	3.0400	8000.0	92	46264	No
135	GOM_TRA_1PNPDE20110104_210513_000000653098_00129_46264_1610.N1	04-JAN-2011 21:05:13	Bright	65.000	83		2.3780	11000.	130	46264	No
136	GOM_TRA_1PNPDE20110104_211035_000000393098_00129_46264_1611.N1	04-JAN-2011 21:10:35	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	46264	No
137	GOM_TRA_1PNPDE20110104_211547_000000503098_00129_46264_1632.N1	04-JAN-2011 21:15:47	Bright	50.000	104	27Bet Lib	2.6140	13100.	100	46264	No
138	GOM_TRA_1PNPDE20110104_211834_000000473098_00129_46264_1633.N1	04-JAN-2011 21:18:34	Tw_i_and_stray	47.000	122	9Alp2Lib	2.7470	9700.0	94	46264	No
139	GOM_TRA_1PNPDE20110104_212533_000000513098_00129_46264_1634.N1	04-JAN-2011 21:25:33	Dark	50.500	54	5The Cen	2.0550	4500.0	101	46264	No
140	GOM_TRA_1PNPDE20110104_212812_000000423098_00129_46264_1635.N1	04-JAN-2011 21:28:12	Dark	42.000	95	Zet Cen	2.5450	26000.	84	46264	No
141	GOM_TRA_1PNPDE20110104_212953_000000413098_00130_46265_1636.N1	04-JAN-2011 21:29:53	Dark	40.500	77	Eps Cen	2.3030	28000.	81	46265	No
142	GOM_TRA_1PNPDE20110104_213151_000000443098_00130_46265_1637.N1	04-JAN-2011 21:31:51	Dark	43.500	64	Gam Cen	2.2000	10600.	87	46265	No
143	GOM_TRA_1PNPDE20110104_213802_000000563098_00130_46265_1638.N1	04-JAN-2011 21:38:02	Dark	56.000	113	Mu Vel	2.6920	5000.0	112	46265	No
144	GOM_TRA_1PNPDE20110104_214016_000000413098_00130_46265_1639.N1	04-JAN-2011 21:40:16	Dark	41.000	71	Iot Car	2.2460	7700.0	82	46265	No
145	GOM_TRA_1PNPDE20110104_214210_000000483098_00130_46265_1640.N1	04-JAN-2011 21:42:10	Dark	48.000	46	Del Vel	1.9540	10600.	96	46265	No
146	GOM_TRA_1PNPDE20110104_214459_000000433098_00130_46265_1641.N1	04-JAN-2011 21:44:59	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	46265	No
147	GOM_TRA_1PNPDE20110104_214710_000000483098_00130_46265_1642.N1	04-JAN-2011 21:47:10	Dark	47.500	70	Zet Pup	2.2460	39000.	95	46265	No
148	GOM_TRA_1PNPDE20110104_214906_000000483098_00130_46265_1643.N1	04-JAN-2011 21:49:06	Dark	47.500	117	Pi Pup	2.7060	3800.0	95	46265	No
149	GOM_TRA_1PNPDE20110104_215149_000000473098_00130_46265_1644.N1	04-JAN-2011 21:51:49	Straylight	46.500	23	21Eps CMa	1.5020	26000.	93	46265	No
150	GOM_TRA_1PNPDE20110104_215318_000000463098_00130_46265_1645.N1	04-JAN-2011 21:53:18	Straylight	46.000	179	24Omi2CMa	3.0320	24000.	92	46265	No
151	GOM_TRA_1PNPDE20110104_215541_000000513098_00130_46265_1646.N1	04-JAN-2011 21:55:41	Straylight	50.500	1	9Alp CMa	-1.4400	11000.	101	46265	No
152	GOM_TRA_1PNPDE20110104_220302_000000493098_00130_46265_1647.N1	04-JAN-2011 22:03:02	Tw_i_and_stray	48.500	14	58Alp Ori	0.87000	3000.0	97	46265	No
153	GOM_TRA_1PNPDE20110104_220602_000000493098_00130_46265_1648.N1	04-JAN-2011 22:06:02	Tw_i_and_stray	49.000	44	24Gam Gem	1.9280	11000.	98	46265	No
154	GOM_TRA_1PNPDE20110104_220741_000000473098_00130_46265_1649.N1	04-JAN-2011 22:07:41	Bright	46.500	151	13Mu Gem	2.8900	3000.0	93	46265	No
155	GOM_TRA_1PNPDE20110104_221143_000000383098_00130_46265_1650.N1	04-JAN-2011 22:11:43	Bright	38.000	107	37The Aur	2.6490	11000.	76	46265	No
156	GOM_TRA_1PNPDE20110104_221356_000000393098_00130_46265_1651.N1	04-JAN-2011 22:13:56	Bright	38.500	42	34Bet Aur	1.9000	10200.	77	46265	No
157	GOM_TRA_1PNPDE20110104_223029_000000363098_00130_46265_1652.N1	04-JAN-2011 22:30:29	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	46265	No
158	GOM_TRA_1PNPDE20110104_223454_000000473098_00130_46265_1653.N1	04-JAN-2011 22:34:54	Bright	47.000	55	79Zet UMa	2.0600	10200.	94	46265	No
159	GOM_TRA_1PNPDE20110104_223718_000000693098_00130_46265_1654.N1	04-JAN-2011 22:37:18	Bright	69.000	39	85Eta UMa	1.8540	24000.	138	46265	No
160	GOM_TRA_1PNPDE20110104_224136_000000443098_00130_46265_1655.N1	04-JAN-2011 22:41:36	Bright	44.000	180	27Gam Boo	3.0400	8000.0	88	46265	No
161	GOM_TRA_1PNPDE20110104_224527_000000463098_00130_46265_1656.N1	04-JAN-2011 22:45:27	Bright	45.500	83		2.3780	11000.	91	46265	No
162	GOM_TRA_1PNPDE20110104_225049_000000373098_00130_46265_1657.N1	04-JAN-2011 22:50:49	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	46265	No
163	GOM_TRA_1PNPDE20110104_225602_000000503098_00130_46265_1658.N1	04-JAN-2011 22:56:02	Bright	50.000	104	27Bet Lib	2.6140	13100.	100	46265	No
164	GOM_TRA_1PNPDE20110104_225849_000000433098_00130_46265_1660.N1	04-JAN-2011 22:58:49	Tw_i_and_stray	43.000	122	9Alp2Lib	2.7470	9700.0	86	46265	No
165	GOM_TRA_1PNPDE20110104_230547_000000513098_00130_46265_1661.N1	04-JAN-2011 23:05:47	Dark	50.500	54	5The Cen	2.0550	4500.0	101	46265	No
166	GOM_TRA_1PNPDE20110104_230826_000000423098_00130_46265_1662.N1	04-JAN-2011 23:08:26	Dark	41.500	95	Zet Cen	2.5450	26000.	83	46265	No
167	GOM_TRA_1PNPDE20110104_231007_000000423098_00131_46266_1663.N1	04-JAN-2011 23:10:07	Dark	41.500	77	Eps Cen	2.3030	28000.	83	46266	No
168	GOM_TRA_1PNPDE20110104_231206_000000463098_00131_46266_1664.N1	04-JAN-2011 23:12:06	Dark	45.500	64	Gam Cen	2.2000	10600.	91	46266	No
169	GOM_TRA_1PNPDE20110104_231817_000000493098_00131_46266_1665.N1	04-JAN-2011 23:18:17	Dark	48.500	113	Mu Vel	2.6920	5000.0	97	46266	No
170	GOM_TRA_1PNPDE20110104_232031_000000413098_00131_46266_1666.N1	04-JAN-2011 23:20:31	Dark	40.500	71	Iot Car	2.2460	7700.0	81	46266	No
171	GOM_TRA_1PNPDE20110104_232225_000000433098_00131_46266_1667.N1	04-JAN-2011 23:22:25	Dark	43.000	46	Del Vel	1.9540	10600.	86	46266	No
172	GOM_TRA_1PNPDE20110104_232513_000000483098_00131_46266_1668.N1	04-JAN-2011 23:25:13	Dark	47.500	34	Gam2Vel	1.7930	23000.	95	46266	No
173	GOM_TRA_1PNPDE20110104_232724_000000493098_00131_46266_1669.N1	04-JAN-2011 23:27:24	Dark	48.500	70	Zet Pup	2.2460	39000.	97	46266	No
174	GOM_TRA_1PNPDE20110104_232920_000000463098_00131_46266_1670.N1	04-JAN-2011 23:29:20	Dark	46.000	117	Pi Pup	2.7060	3800.0	92	46266	No
175	GOM_TRA_1PNPDE20110104_233203_000000443098_00131_46266_1671.N1	04-JAN-2011 23:32:03	Straylight	44.000	23	21Eps CMa	1.5020	26000.	88	46266	No
176	GOM_TRA_1PNPDE20110104_233332_000000383098_00131_46266_1672.N1	04-JAN-2011 23:33:32	Straylight	37.500	179	24Omi2CMa	3.0320	24000.	75	46266	No
177	GOM_TRA_1PNPDE20110104_233555_000000463098_00131_46266_1673.N1	04-JAN-2011 23:35:55	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	46266	No
178	GOM_TRA_1PNPDE20110104_234316_000000523098_00131_46266_1674.N1	04-JAN-2011 23:43:16	Tw_i_and_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	46266	No
179	GOM_TRA_1PNPDE20110104_234615_000000513098_00131_46266_1675.N1	04-JAN-2011 23:46:15	Tw_i_and_stray	50.500	44	24Gam Gem	1.9280	11000.	101	46266	No
180	GOM_TRA_1PNPDE20110104_234755_000000463098_00131_46266_1676.N1	04-JAN-2011 23:47:55	Bright	46.000	151	13Mu Gem	2.8900	3000.0	92	46266	No
181	GOM_TRA_1PNPDE20110104_235157_000000393098_00131_46266_1677.N1	04-JAN-2011 23:51:57	Bright	38.500	107	37The Aur	2.6490	11000.	77	46266	No
182	GOM_TRA_1PNPDE20110104_235410_000000393098_00131_46266_1678.N1	04-JAN-2011 23:54:10	Bright	38.500	42	34Bet Aur	1.9000	10200.	77	46266	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).

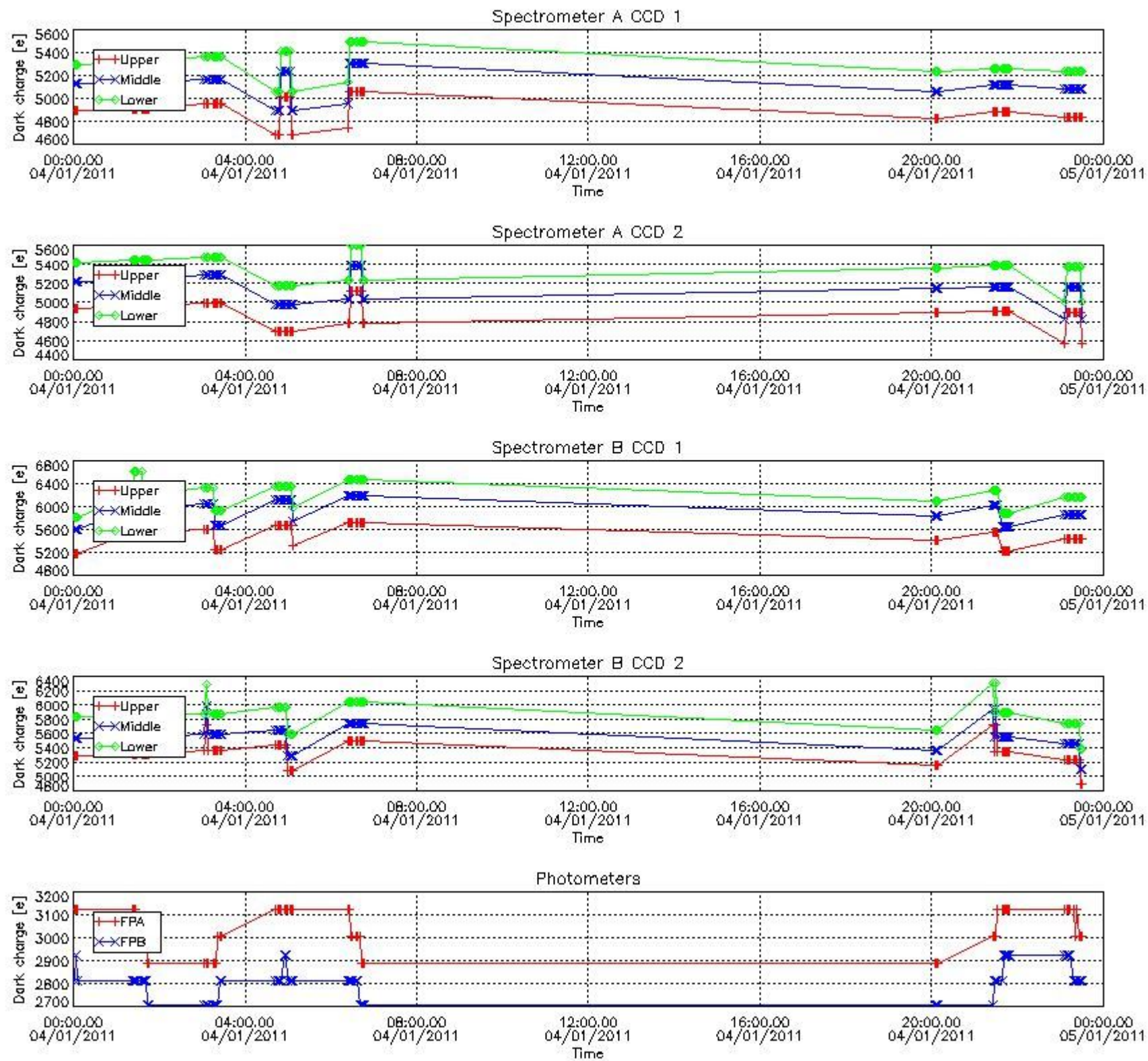
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110104_200445_000000483098_00129_46264_1595.N1	DC map used
GOM_TRA_1PNPDE20110104_200655_000000483098_00129_46264_1596.N1	DC map used
GOM_TRA_1PNPDE20110104_200852_000000523098_00129_46264_1597.N1	DC map used
GOM_TRA_1PNPDE20110104_201135_000000483098_00129_46264_1598.N1	DC map used
GOM_TRA_1PNPDE20110104_201304_000000453098_00129_46264_1599.N1	DC map used
GOM_TRA_1PNPDE20110104_201527_000000483098_00129_46264_1600.N1	DC map used
GOM_TRA_1PNPDE20110104_202248_000000493098_00129_46264_1601.N1	DC map used
GOM_TRA_1PNPDE20110104_202548_000000453098_00129_46264_1602.N1	DC map used
GOM_TRA_1PNPDE20110104_202728_000000443098_00129_46264_1603.N1	DC map used
GOM_TRA_1PNPDE20110104_203130_000000373098_00129_46264_1604.N1	DC map used
GOM_TRA_1PNPDE20110104_203342_000000393098_00129_46264_1605.N1	DC map used
GOM_TRA_1PNPDE20110104_205015_000000363098_00129_46264_1606.N1	DC map used
GOM_TRA_1PNPDE20110104_205440_000000483098_00129_46264_1607.N1	DC map used
GOM_TRA_1PNPDE20110104_205704_000000443098_00129_46264_1608.N1	DC map used

GOM_TRA_1PNPDE20110104_210122_000000463098_00129_46264_1609.N1	DC map used
GOM_TRA_1PNPDE20110104_210513_000000653098_00129_46264_1610.N1	DC map used
GOM_TRA_1PNPDE20110104_211035_000000393098_00129_46264_1611.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

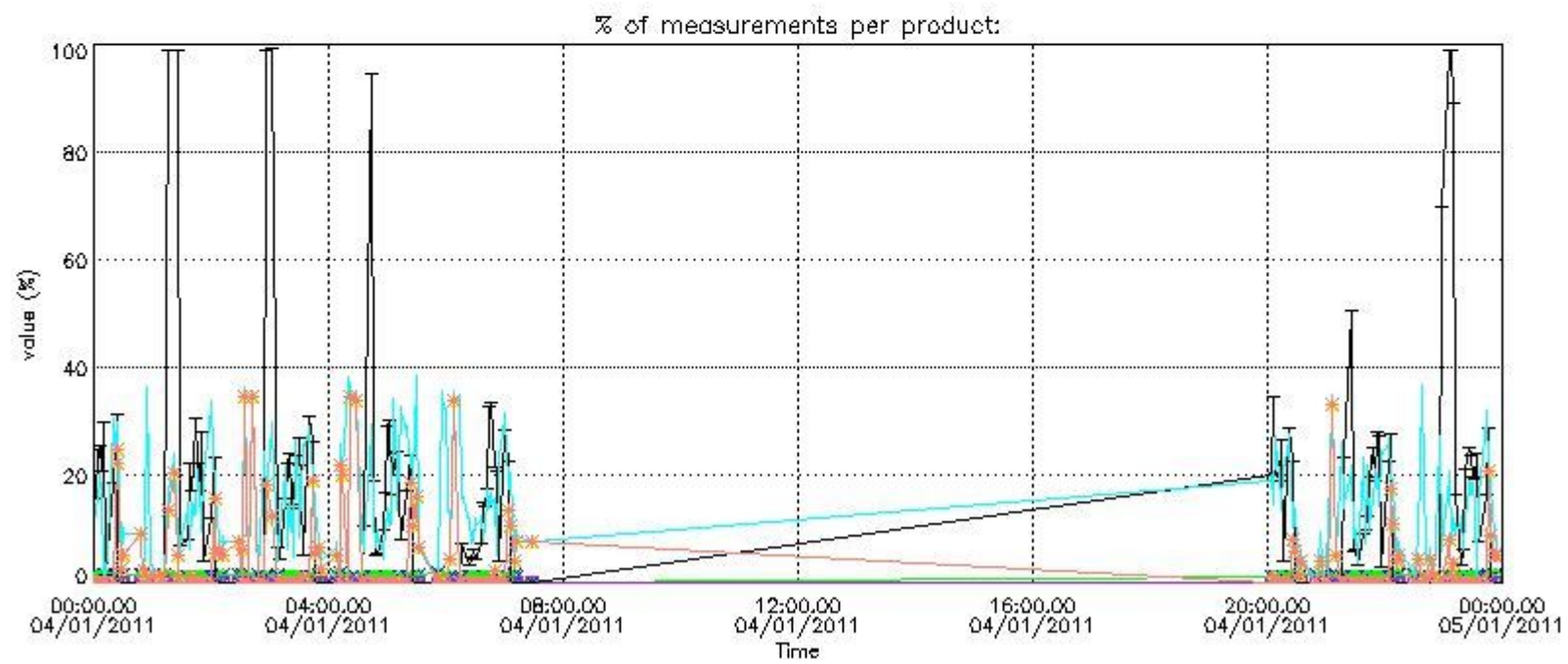
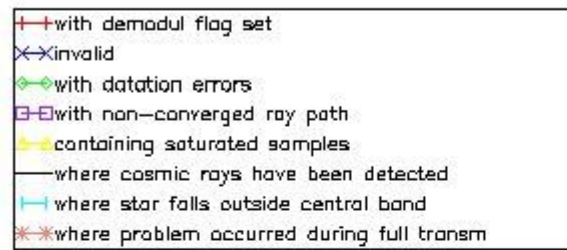
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors

(error flag in the MPH set to "0") are used.

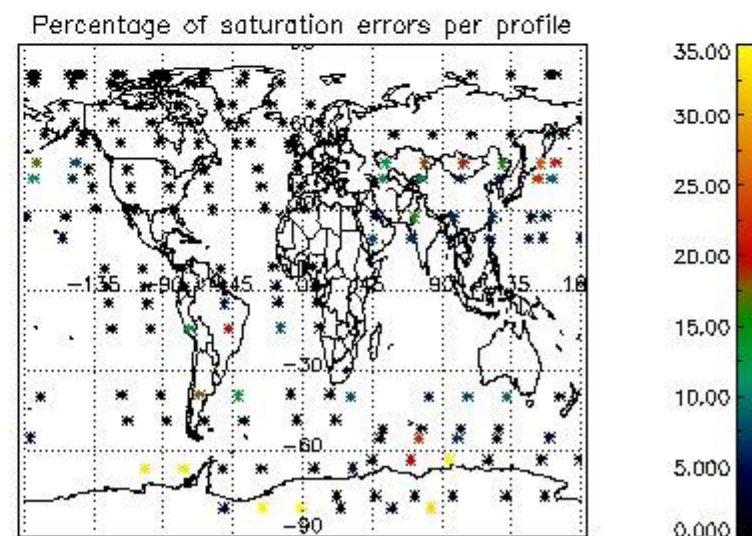
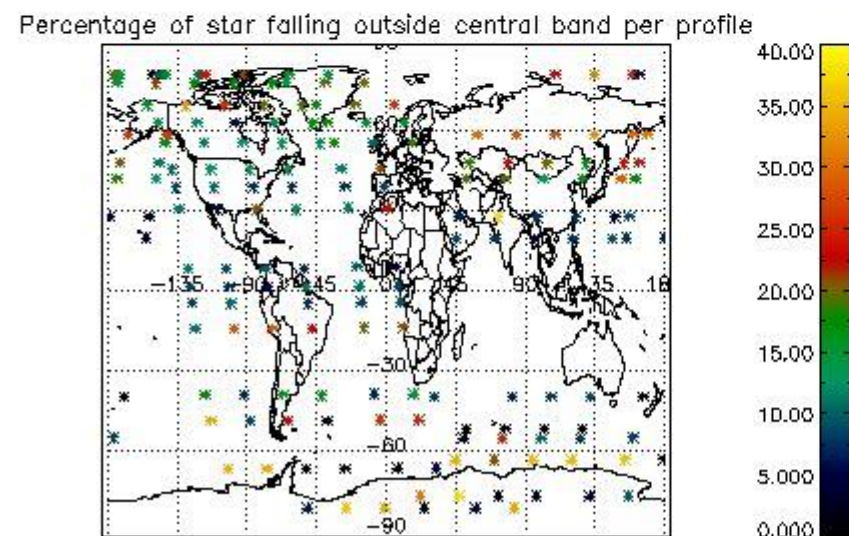
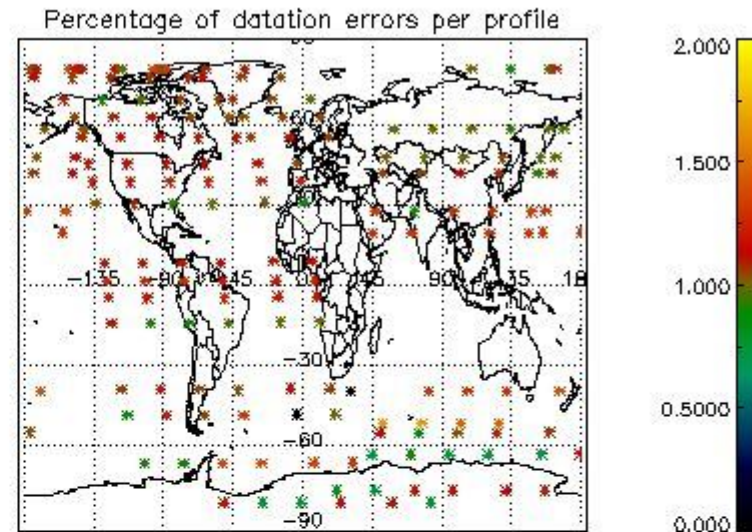
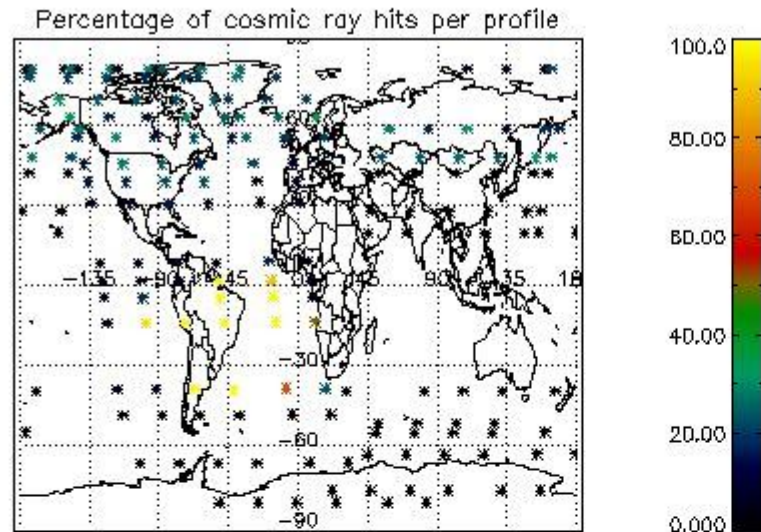
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	55.8011 %
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)



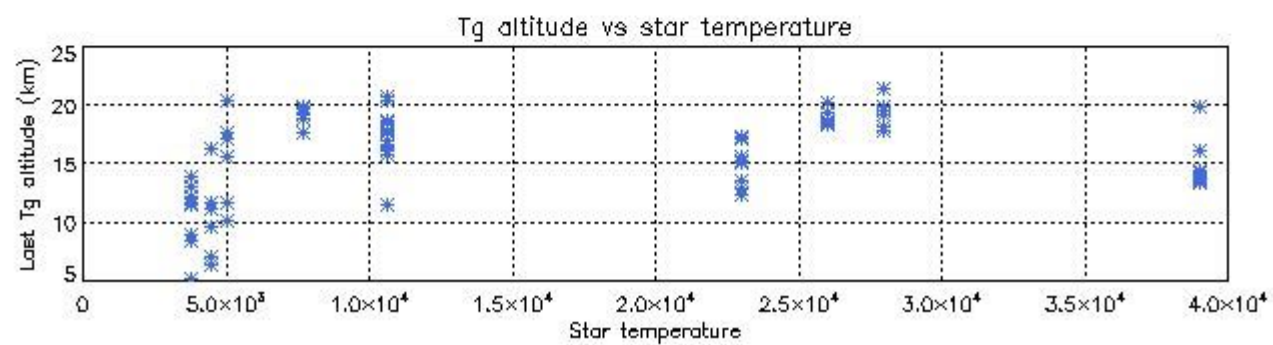
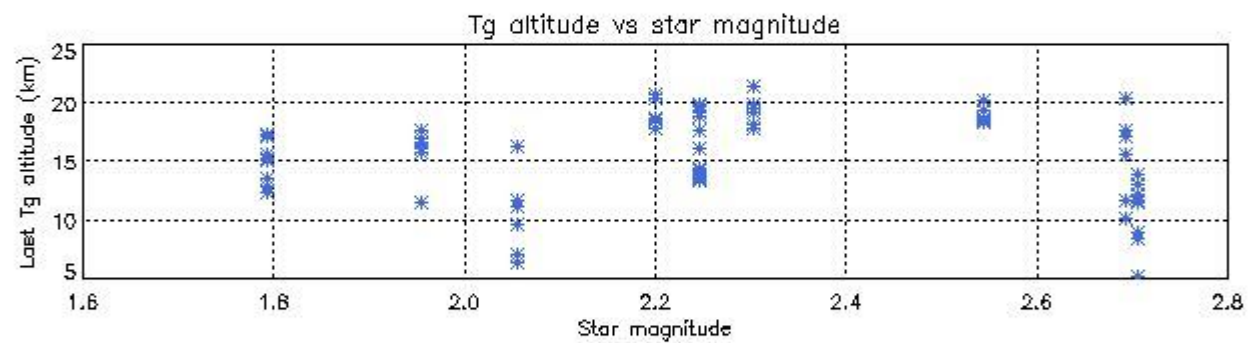
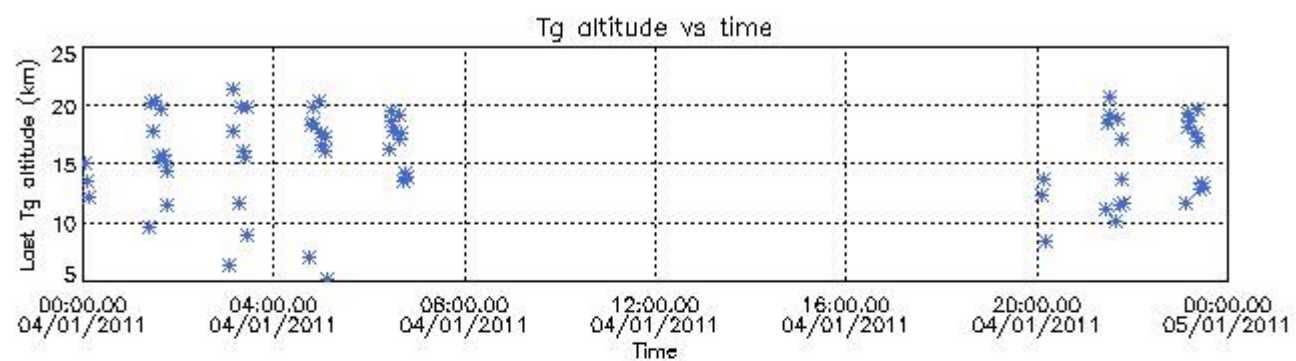
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.576	16.053	NaN
St. deviation:	3.8749	7.3222	NaN
Maximum:	21.332	26.640	NaN
Minimum:	5.2245	3.6358	NaN
Number of data:	65.000	67.000	NaN

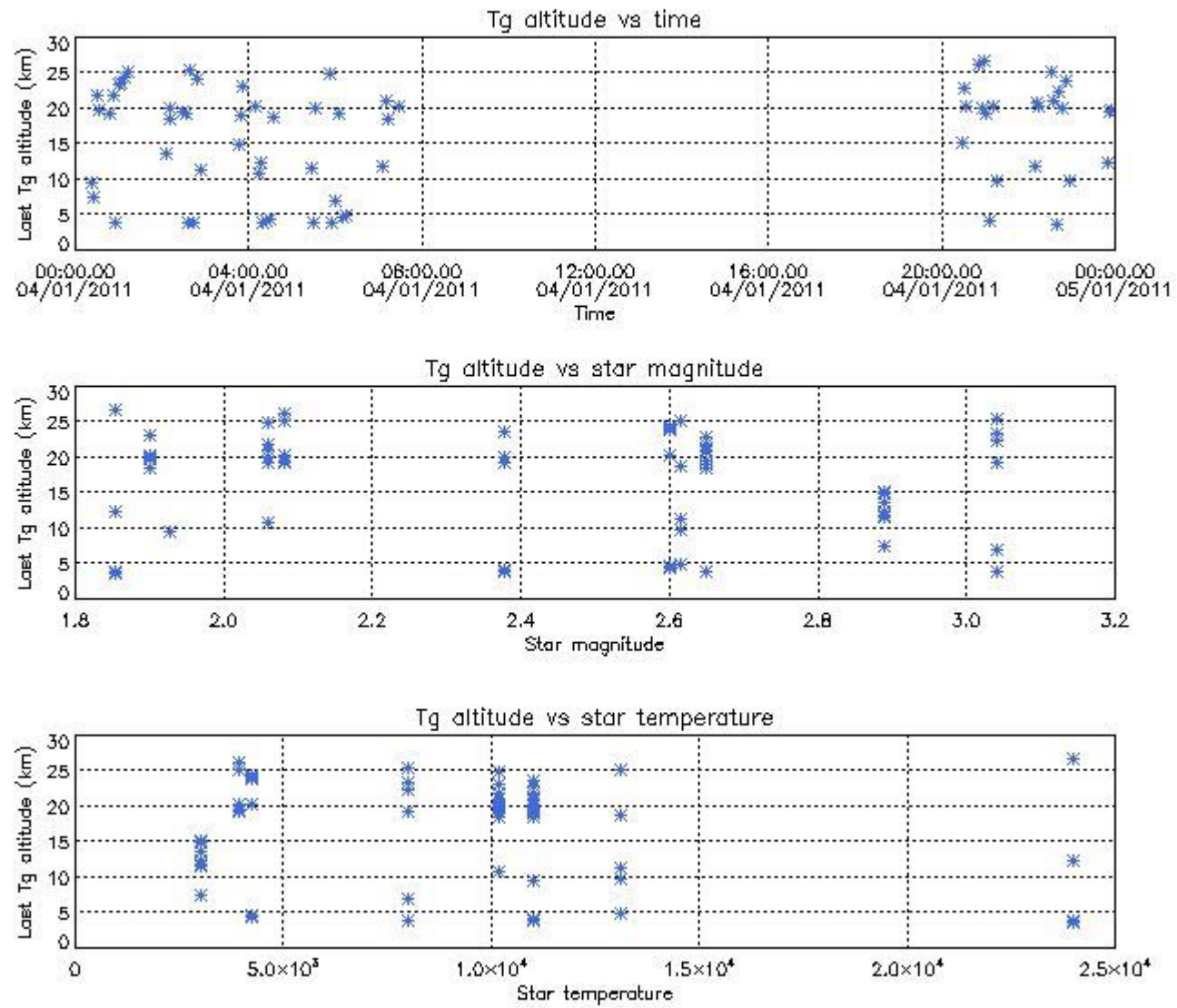
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

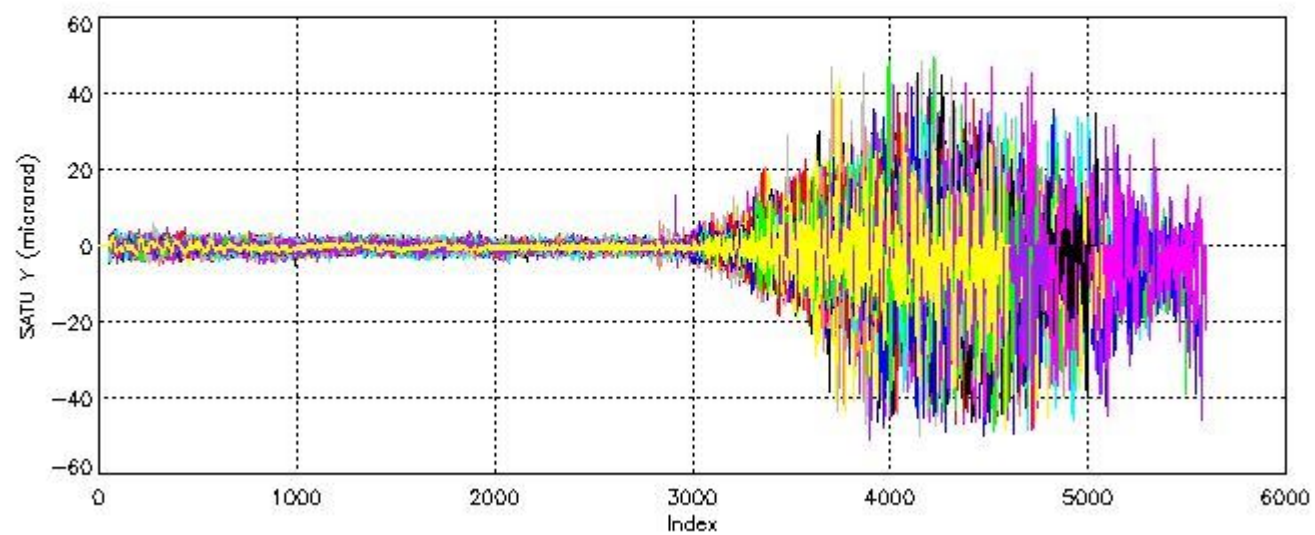
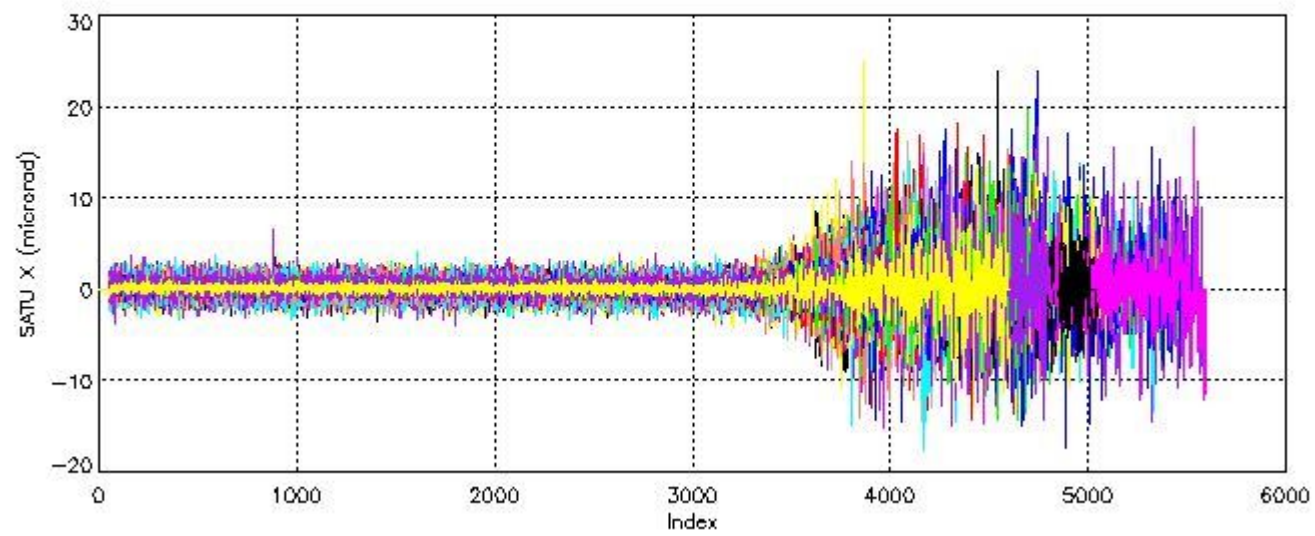


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.19753	-0.39514	0.16433	-0.35134
St. deviation:	0.60825	1.0150	0.78504	1.0688
Maximum:	6.5000	5.9000	5.9000	5.4000
Minimum:	-3.8000	-5.3000	-6.3000	-8.0000

Number of data:	66950.	66950.	65550.	65550.
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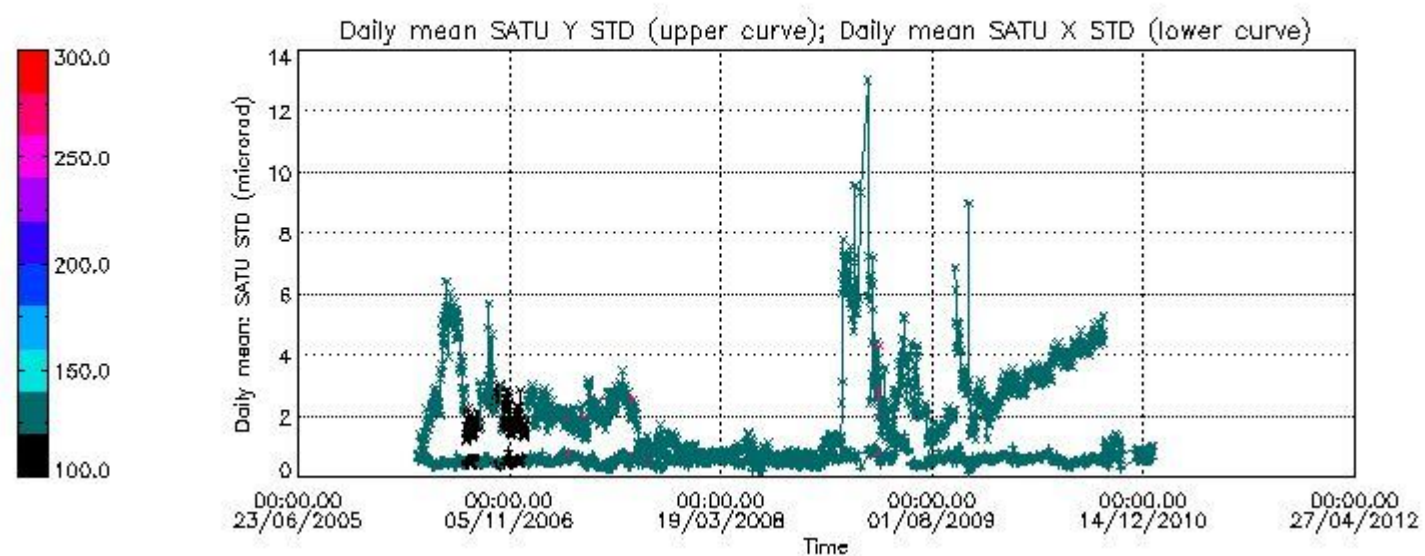
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

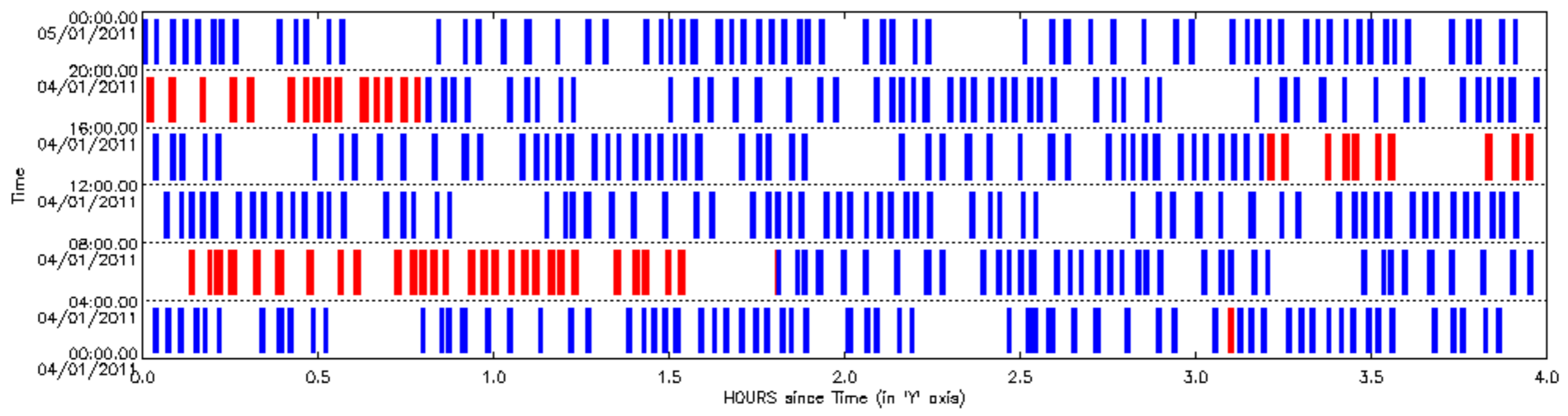
Lower curve: STD of SATU X axis

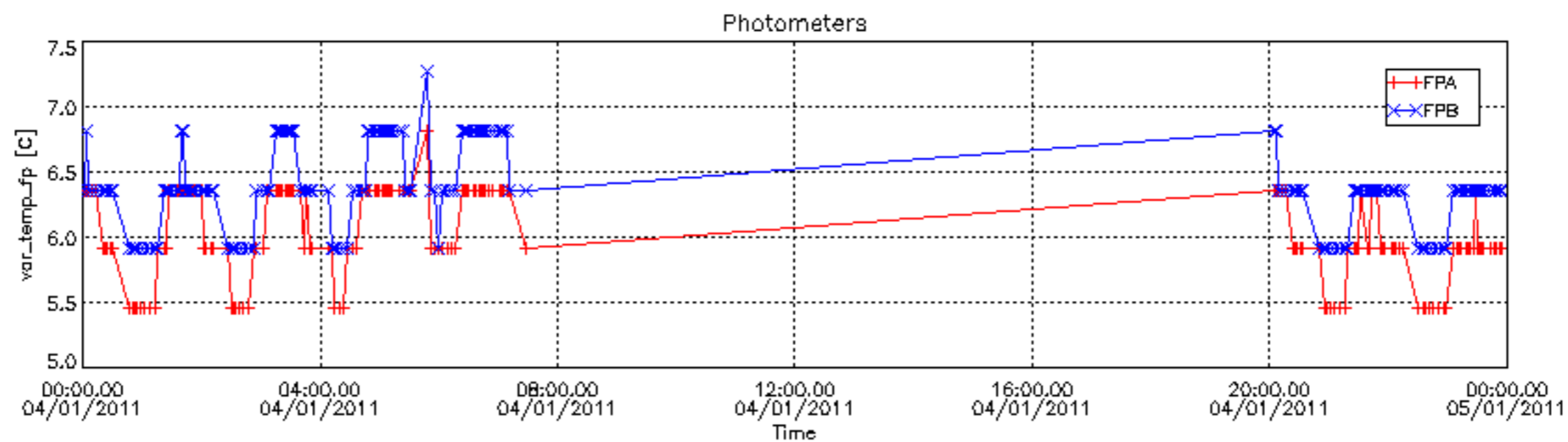
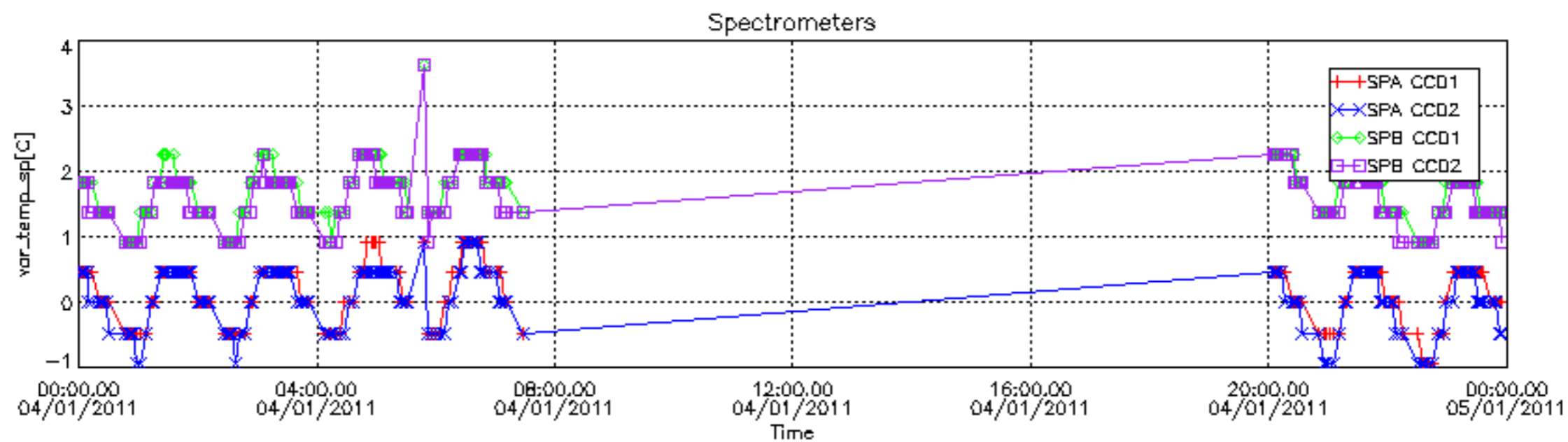


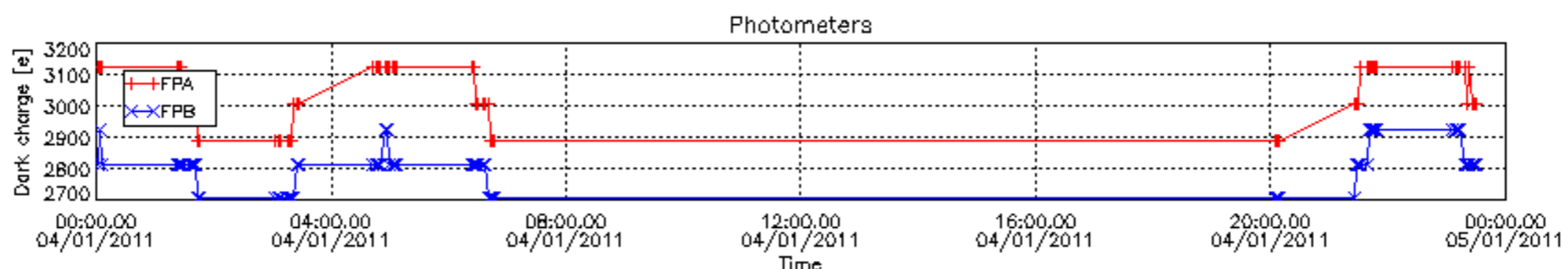
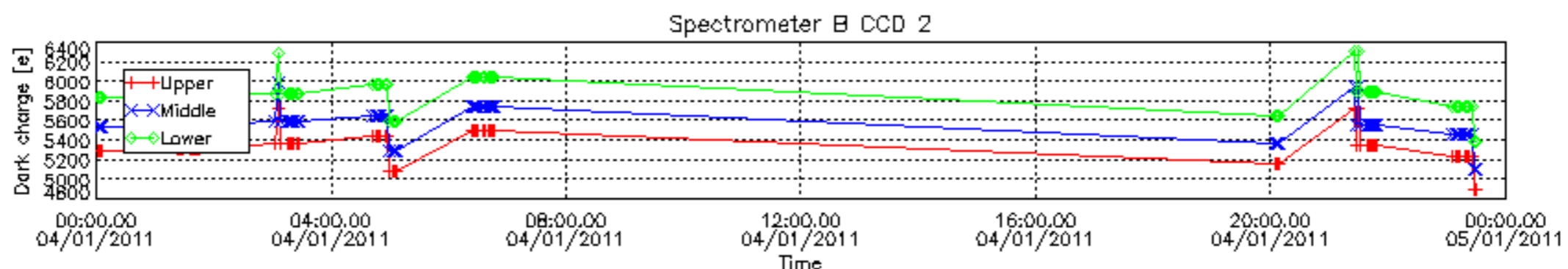
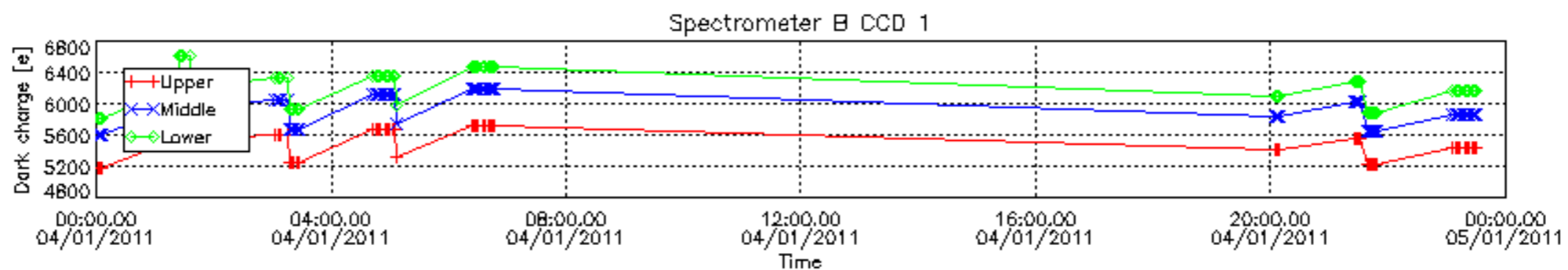
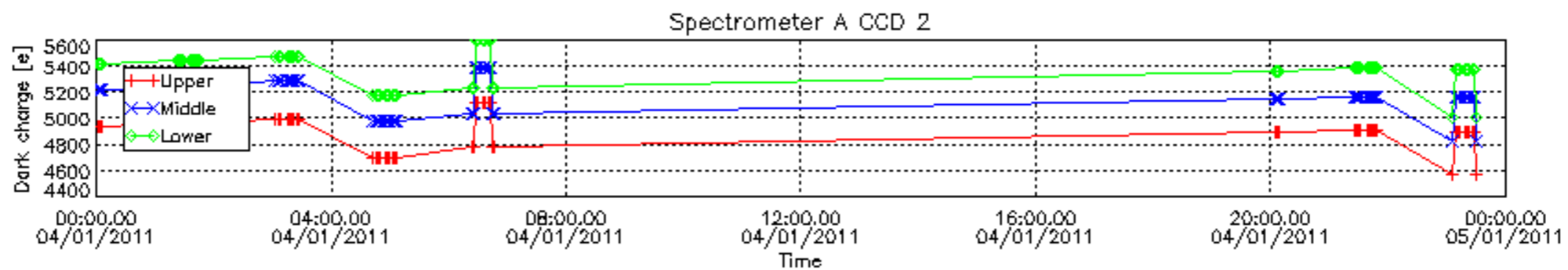
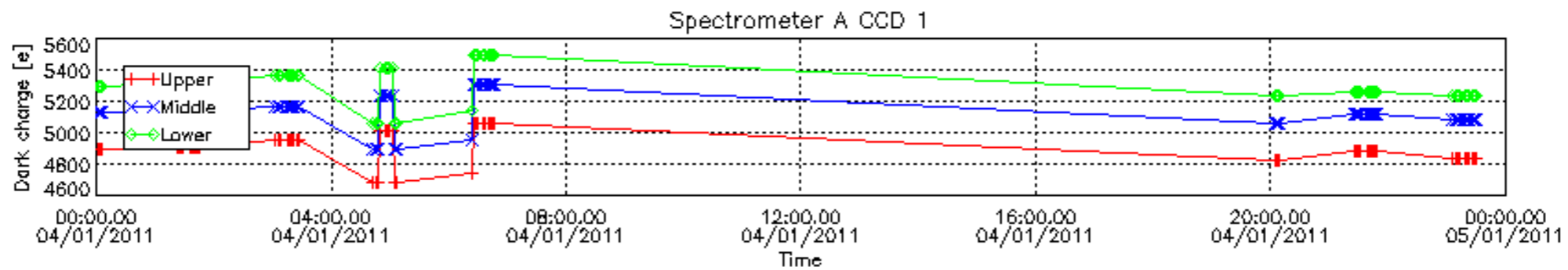
8. Auxiliary Data Files used for the production reported in section 2.4

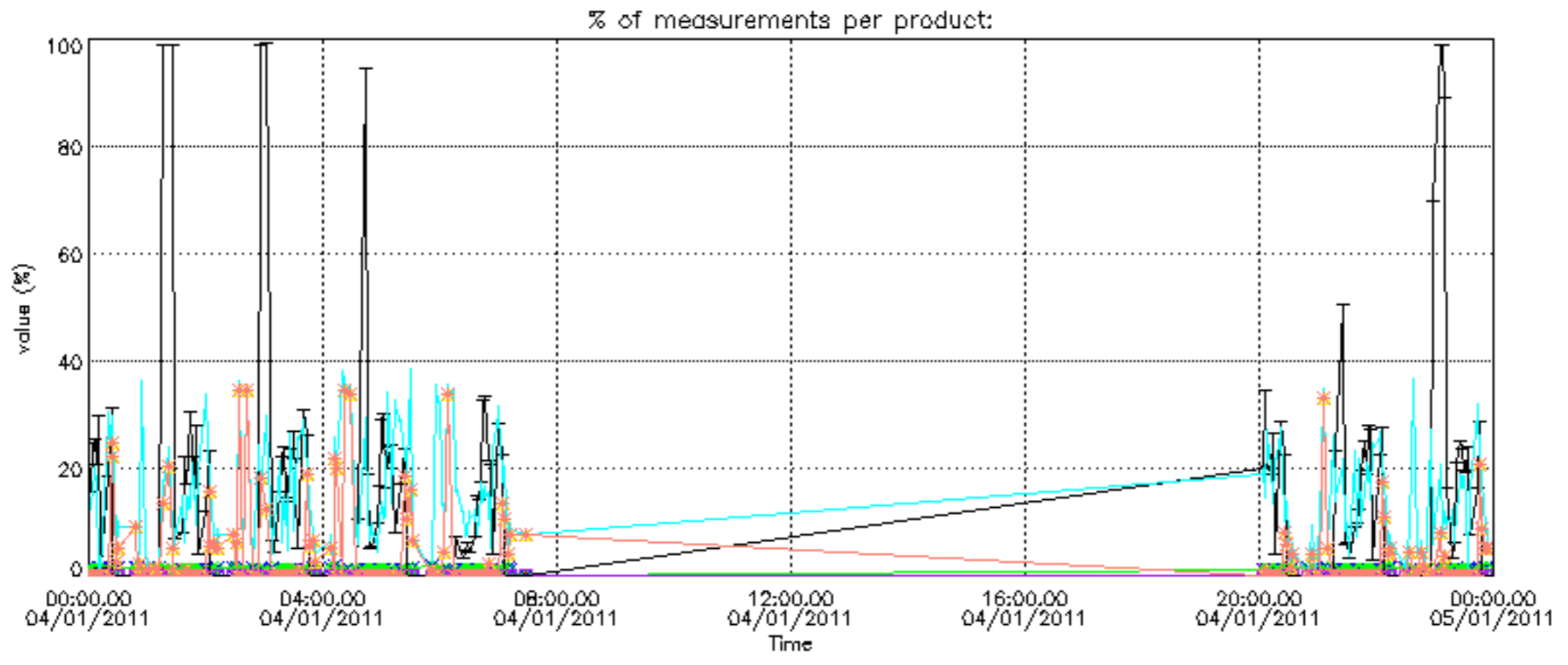
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	04-JAN-2011 00:01:51
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20101227_083101_20101226_000000_20500101_000000	1	04-JAN-2011 00:01:51
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	04-JAN-2011 00:01:51
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	04-JAN-2011 00:01:51
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	04-JAN-2011 00:01:51
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ECMWF_FILE	AUX_ECF_AXNECM20110103_172259_20110104_030000_20110104_150000	65	04-JAN-2011 04:07:56
ECMWF_FILE	AUX_ECF_AXNECM20110104_054115_20110104_150000_20110105_030000	120	04-JAN-2011 20:04:45
ECMWF_FILE	AUX_ECF_AXNECM20110104_054115_20110104_210000_20110105_090000	137	04-JAN-2011 21:15:47
OPTIONAL_ECMWF_FILE	MISSING	1	04-JAN-2011 00:01:51
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110103_233335_000057383098_00116_46251_2260.N1	1	04-JAN-2011 00:01:51
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110103_102114_20110102_192223_20110112_213615	20	04-JAN-2011 01:15:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110104_200056_000038253098_00129_46264_2264.N1	120	04-JAN-2011 20:04:45
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110104_211000_000060573098_00129_46264_2265.N1	137	04-JAN-2011 21:15:47
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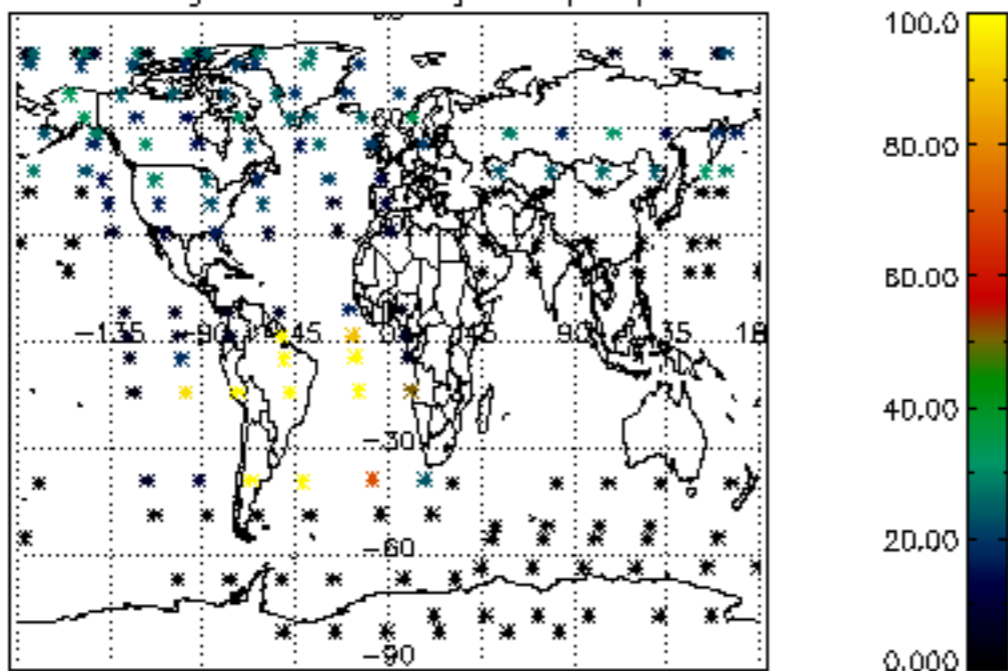




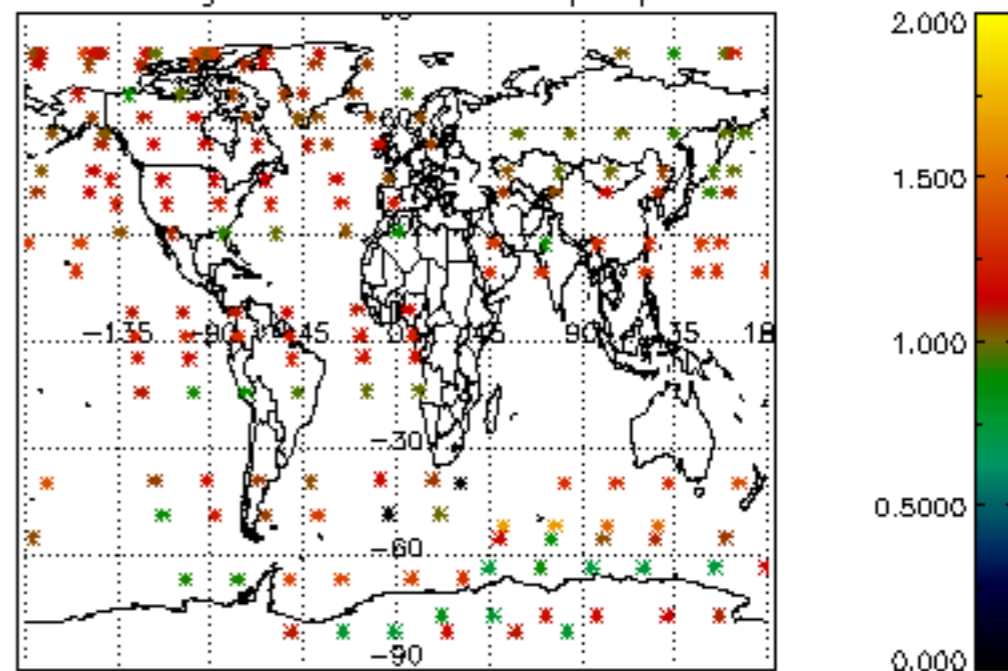




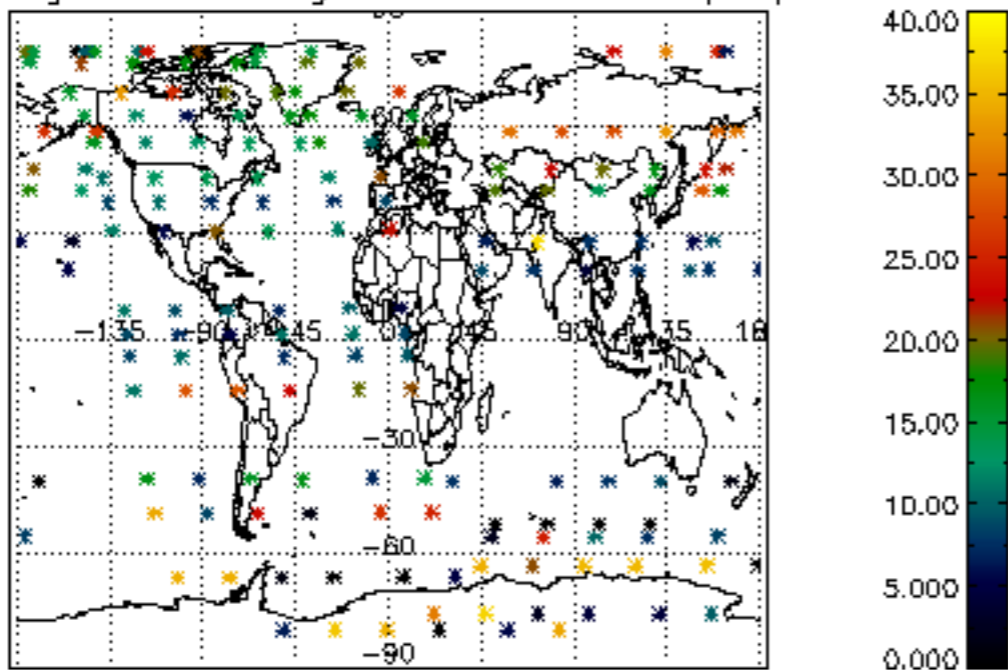
Percentage of cosmic ray hits per profile



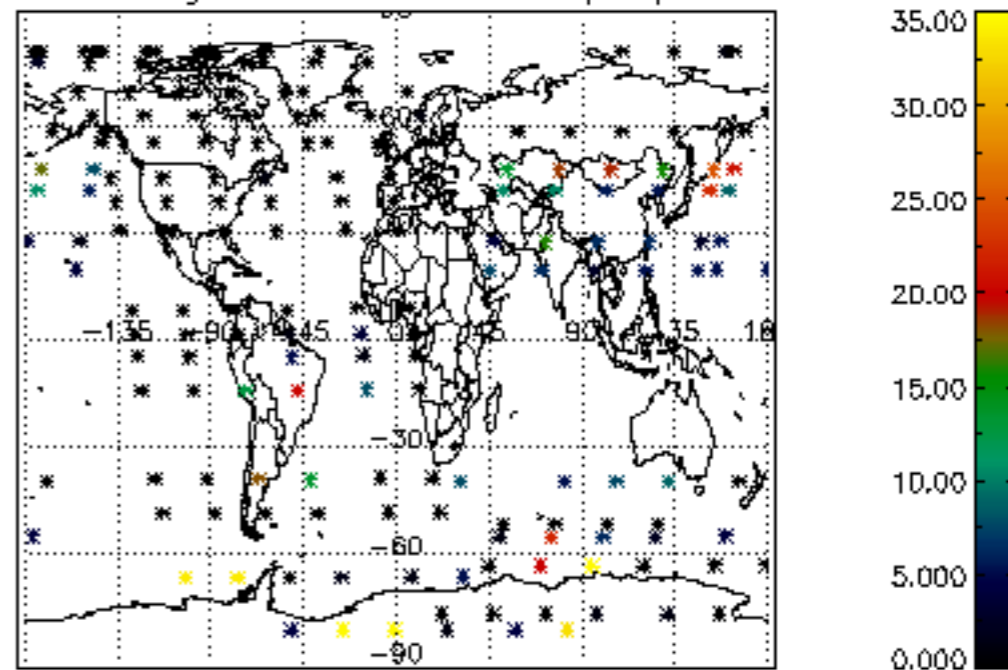
Percentage of datation errors per profile



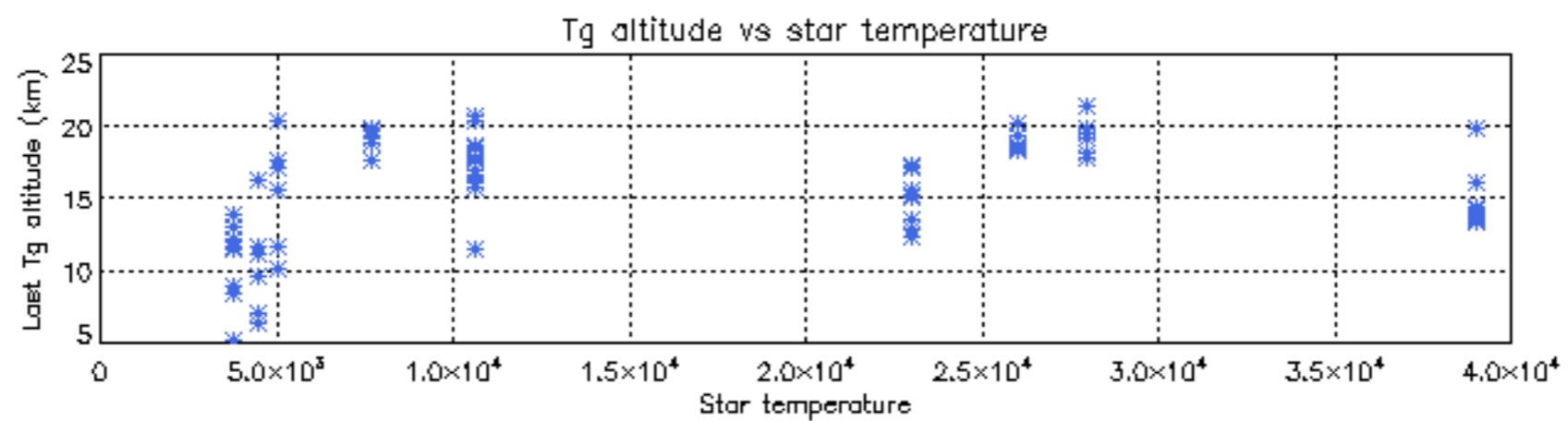
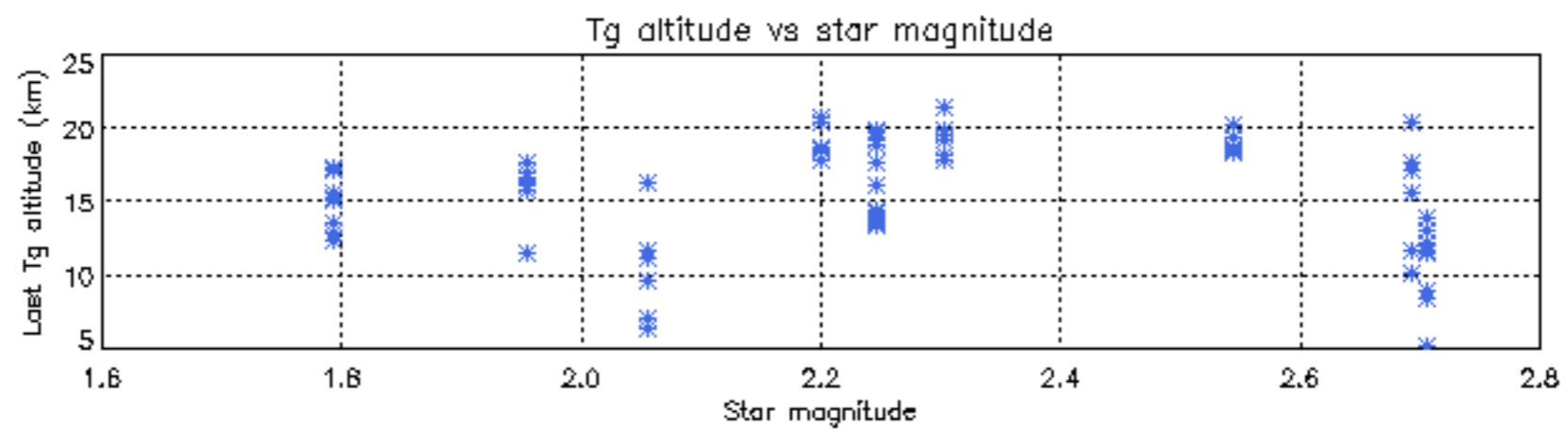
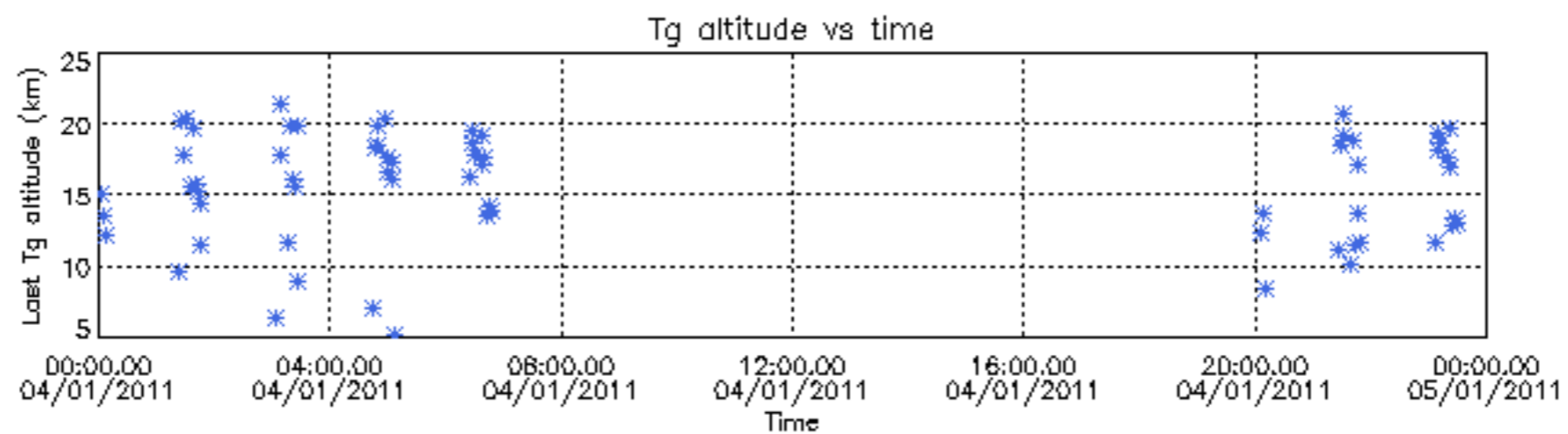
Percentage of star falling outside central band per profile



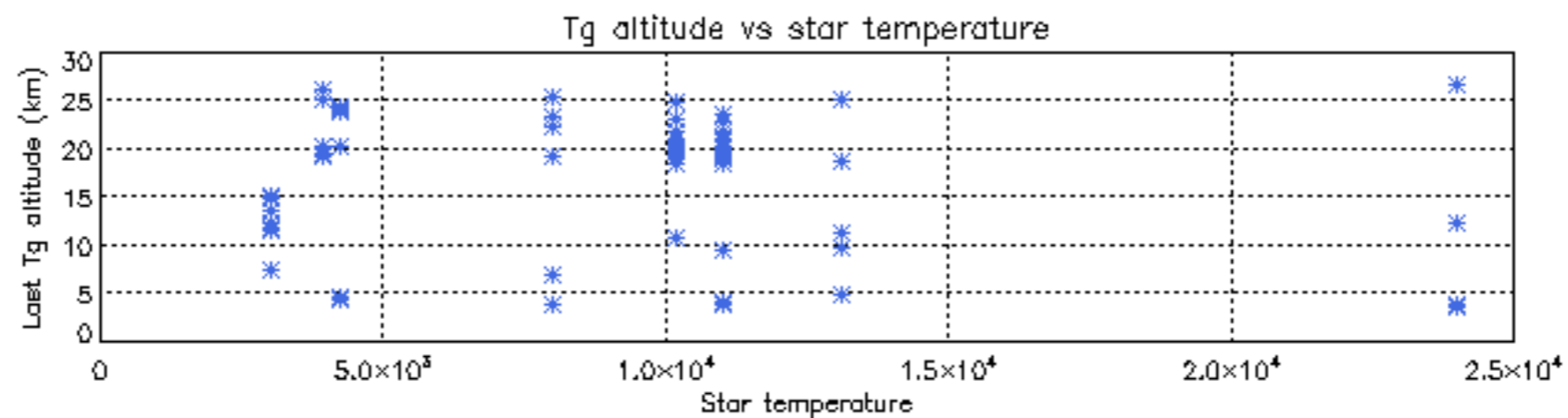
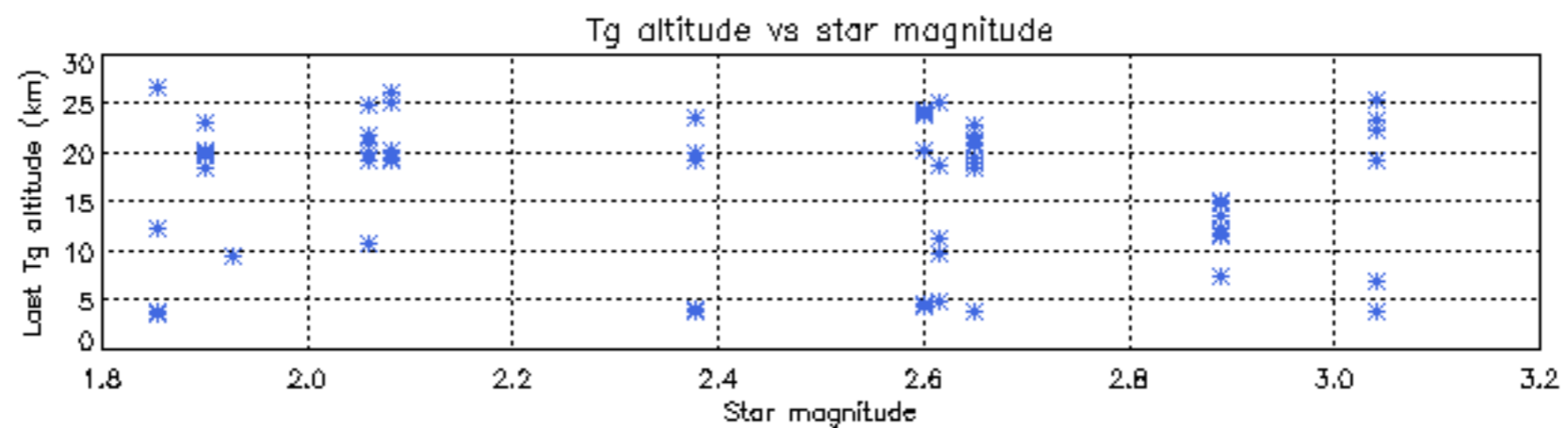
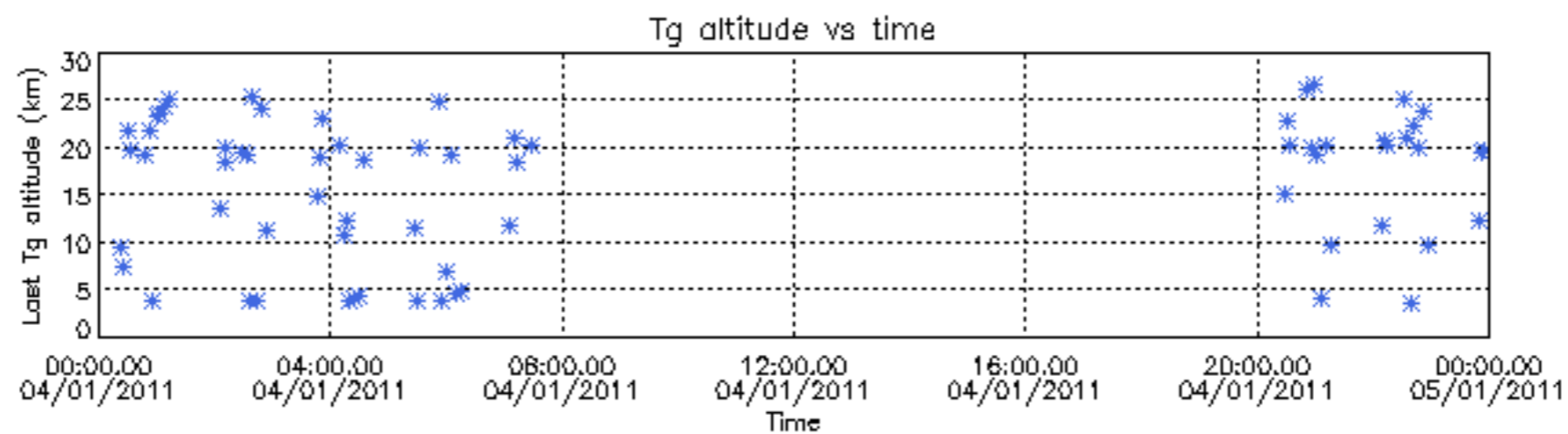
Percentage of saturation errors per profile

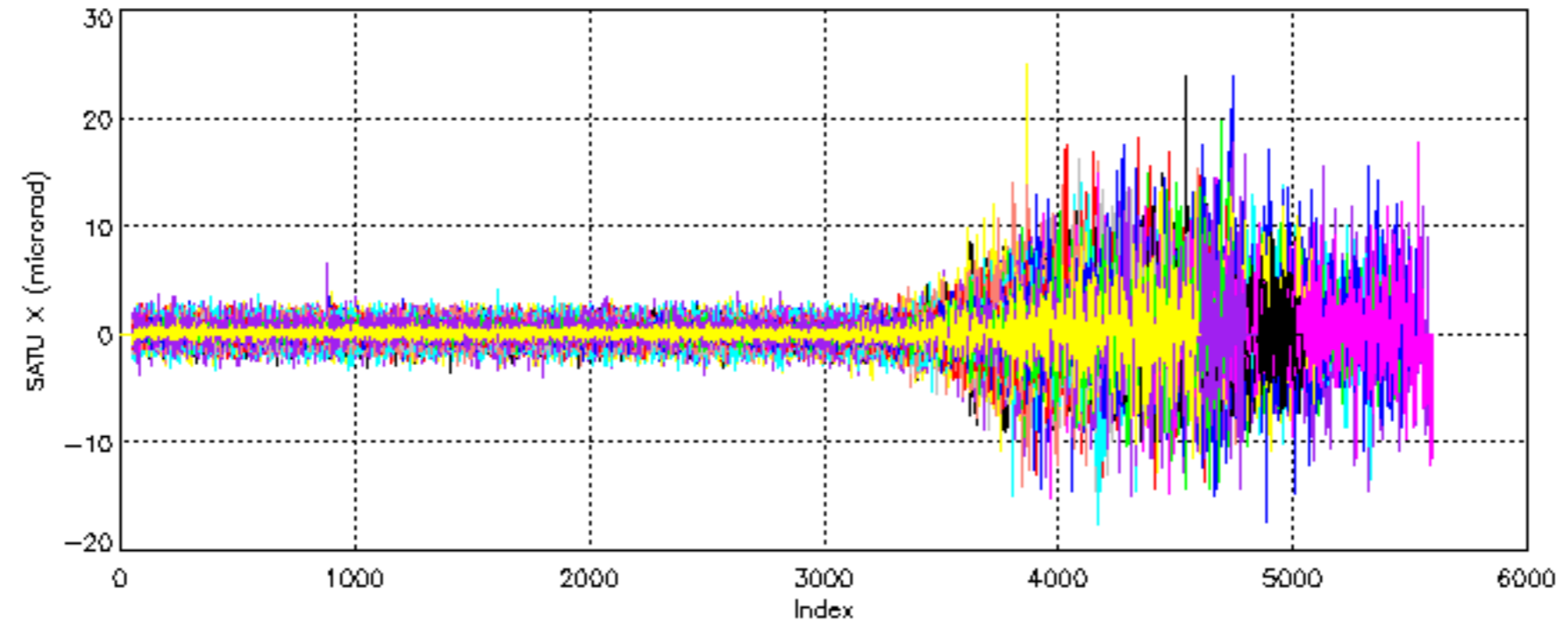


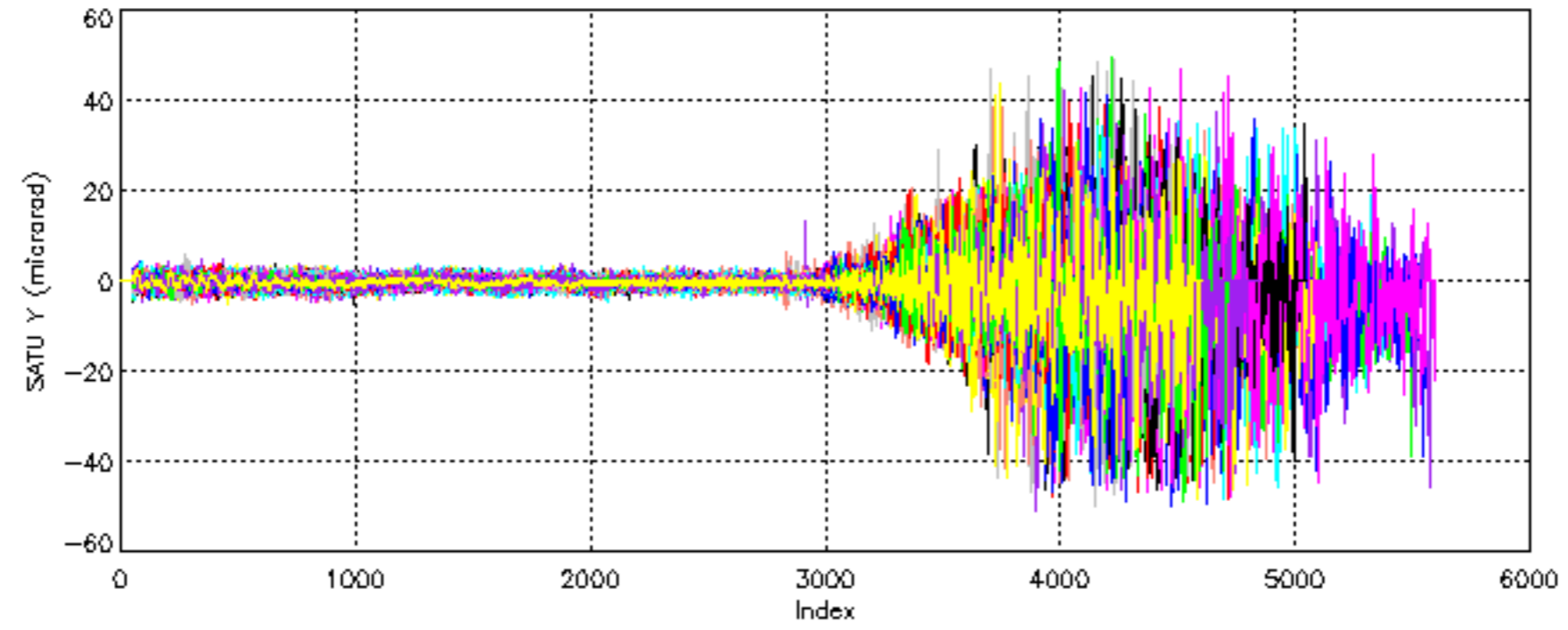
Tangent altitude at which the star is lost

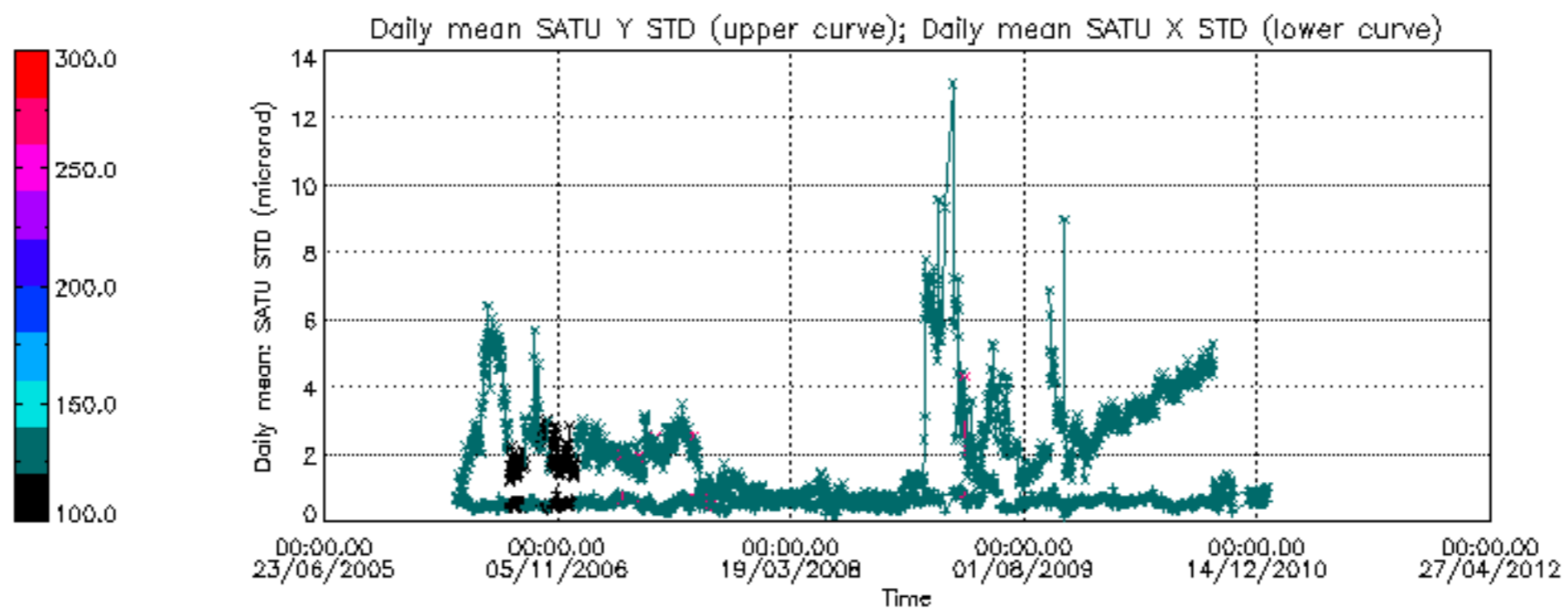


Tangent altitude at which the star is lost









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 4; 1345.0; 04-JAN-2011 20:11:35; Dark ; 47.5; 23; 21Eps CMA ; 1.50; 26000;occ; 95; 0;46264

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15; 1434.6; 04-JAN-2011 21:53:18; Dark ; 46.0; 179; 240mi2CMA ; 3.03; 24000;occ; 92; 0;46265
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12; 1187.8; 06-JAN-2011 00:32:56; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;46281
13; 1349.2; 06-JAN-2011 00:35:37; Dark ; 47.0; 23; 21Eps CMa ; 1.50; 26000;occ; 94; 0;46281
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17; 2194.4; 06-JAN-2011 00:49:42; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;46281

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 23; 4069.7; 06-JAN-2011 01:20:57; Bright; 70.0; 39; 85Eta UMa ; 1.85; 24000;occ; 140; 0;46281
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 26; 4891.3; 06-JAN-2011 01:34:39; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;46281
 27; 5206.6; 06-JAN-2011 01:39:54; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;46281

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 7; 278.7; 06-JAN-2011 01:58:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46282
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 16; 1579.6; 06-JAN-2011 02:19:41; Dark ; 47.0; 1; 9Alp CMA ; -1.44; 11000;occ; 94; 0;46282
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 21; 2669.8; 06-JAN-2011 02:37:51; Bright; 46.0; 42; 34Bet Aur ; 1.90; 10200;occ; 92; 0;46282

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 4; -1681.8; 06-JAN-2011 03:05:34; Bright; 44.0; 180; 27Gam Boo ; 3.04; 8000;occ; 88; 0;46282
 5; -1446.2; 06-JAN-2011 03:09:29; Bright; 67.0; 83; ; 2.38; 11000;occ; 134; 0;46282
 6; -1122.3; 06-JAN-2011 03:14:53; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;46282
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 11; 202.9; 06-JAN-2011 03:36:59; Dark ; 42.5; 20; Bet Cru ; 1.25; 30000;occ; 85; 0;46283
 12; 279.7; 06-JAN-2011 03:38:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46283
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 14; 662.4; 06-JAN-2011 03:44:38; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;46283
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 16; 944.3; 06-JAN-2011 03:49:20; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;46283
 17; 1074.4; 06-JAN-2011 03:51:30; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;46283
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 21; 1579.7; 06-JAN-2011 03:59:55; Dark ; 51.5; 1; 9Alp CMA ; -1.44; 11000;occ; 103; 0;46283
 22; 2018.3; 06-JAN-2011 04:07:14; Dark ; 49.5; 14; 58Alp Ori ; 0.87; 3000;occ; 99; 0;46283
 23; 2194.3; 06-JAN-2011 04:10:10; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;46283
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 4; -1681.6; 06-JAN-2011 04:45:48; Bright; 66.0; 180; 27Gam Boo ; 3.04; 8000;occ; 132; 0;46283
 5; -1446.0; 06-JAN-2011 04:49:44; Bright; 67.0; 83; ; 2.38; 11000;occ; 134; 0;46283
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27; 2669.6; 06-JAN-2011 05:58:19; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;46284
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9; 2292.2; 06-JAN-2011 20:54:08; Bright; 47.0; 151; 13Mu Gem ; 2.89; 3000;occ; 94; 0;46293
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11; 2668.0; 06-JAN-2011 21:00:24; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0;46293
12; 3662.3; 06-JAN-2011 21:16:58; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;46293
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 25; 6801.4; 07-JAN-2011 18:12:06; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;46306
 26; 6968.7; 07-JAN-2011 18:14:53; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;46306
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 13; 4062.8; 07-JAN-2011 19:06:41; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;46306
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5;	218.6;	08-JAN-2011	00:43:33;	Dark	;	40.5;	20;	Bet Cru	;	1.25;	30000;occ;	81;	0;	46310
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7;	557.2;	08-JAN-2011	00:49:11;	Dark	;	53.5;	113;	Mu Vel	;	2.69;	5000;occ;	107;	0;	46310
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13;	1356.3;	08-JAN-2011	01:02:30;	Dark	;	44.5;	23;	21Eps CMA	;	1.50;	26000;occ;	89;	0;	46310
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15;	1583.0;	08-JAN-2011	01:06:17;	Dark	;	49.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	98;	0;	46310
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23;	4061.7;	08-JAN-2011	01:47:36;	Bright;		26.0;	39;	85Eta UMa	;	1.85;	24000;occ;	52;	0;	46310
24;	4332.3;	08-JAN-2011	01:52:06;	Bright;		51.5;	180;	27Gam Boo	;	3.04;	8000;occ;	103;	0;	46310
25;	4574.2;	08-JAN-2011	01:56:08;	Bright;		47.5;	83;		;	2.38;	11000;occ;	95;	0;	46310
26;	4901.8;	08-JAN-2011	02:01:36;	Bright;		46.0;	102;	24Alp Ser	;	2.60;	4250;occ;	92;	0;	46310
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9;	676.0;	08-JAN-2011	02:31:24;	Dark	;	40.0;	71;	Iot Car	;	2.25;	7700;occ;	80;	0;	46311
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11;	956.7;	08-JAN-2011	02:36:05;	Dark	;	44.0;	34;	Gam2Vel	;	1.79;	23000;occ;	88;	0;	46311
12;	1086.5;	08-JAN-2011	02:38:15;	Dark	;	46.5;	70;	Zet Pup	;	2.25;	39000;occ;	93;	0;	46311
13;	1197.5;	08-JAN-2011	02:40:06;	Dark	;	47.0;	117;	Pi Pup	;	2.71;	3800;occ;	94;	0;	46311
14;	1356.6;	08-JAN-2011	02:42:45;	Dark	;	46.0;	23;	21Eps CMA	;	1.50;	26000;occ;	92;	0;	46311
15;	1444.5;	08-JAN-2011	02:44:13;	Dark	;	41.5;	179;	24Omi2CMA	;	3.03;	24000;occ;	83;	0;	46311
16;	1583.4;	08-JAN-2011	02:46:32;	Dark	;	47.5;	1;	9Alp CMA	;	-1.44;	11000;occ;	95;	0;	46311
17;	2024.2;	08-JAN-2011	02:53:52;	Dark	;	42.0;	14;	58Alp Ori	;	0.87;	3000;occ;	84;	0;	46311
18;	2188.4;	08-JAN-2011	02:56:37;	Dark	;	44.5;	44;	24Gam Gem	;	1.93;	11000;occ;	89;	0;	46311
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4;	-1681.6;	08-JAN-2011	03:32:21;	Bright;		68.0;	180;	27Gam Boo	;	3.04;	8000;occ;	136;	0;	46311
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7;	-790.2;	08-JAN-2011	03:47:12;	Dark	;	43.5;	104;	27Bet Lib	;	2.61;	13100;occ;	87;	0;	46311
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13;	307.0;	08-JAN-2011	04:05:29;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	46312
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15;	676.8;	08-JAN-2011	04:11:39;	Dark	;	40.0;	71;	Iot Car	;	2.25;	7700;occ;	80;	0;	46312
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