

0. MIPAS Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Instrument Operational Performance Parameters](#)

[0.3 ADF monitoring](#)

0.1 General Info

This report contains a daily analysis on parameters extracted from MIPAS level 0 data (The MIP_NL__0P product).

0.1.1 Report summary

The table below shows general characteristics of the data that are included into this report.

Item	Value
Report version	v1.6 08-11-2010
Time of report generation	28JUL2011 05:24:55
Data source version	KSPT_L0/4504-N
Processing scope for products	23JUL2011 00:00:00 to 24JUL2011 00:00:00
Start time of first product within scope	23JUL2011 00:44:53
Stop time of last product within scope	24JUL2011 00:09:31
Total number of level 0 products	15
Number of level 0 products with errors	0

0.1.2 Product Quality Indicators per product

The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110723_004453_000058313104_00404_49125_9290.N1	23JUL2011 00:44:53	23JUL2011 02:22:04	0	0	0	0	0
1	MIP_NL__0PNPDE20110723_022059_000045603104_00405_49126_9291.N1	23JUL2011 02:20:59	23JUL2011 03:36:59	0	0	0	0	0
2	MIP_NL__0PNPDE20110723_033626_000061563104_00406_49127_9292.N1	23JUL2011 03:36:26	23JUL2011 05:19:02	0	0	0	0	0
3	MIP_NL__0PNPDE20110723_051831_000060063104_00407_49128_9293.N1	23JUL2011 05:18:31	23JUL2011 06:58:37	0	0	0	0	0
4	MIP_NL__0PNPDK20110723_065803_000040593104_00408_49129_5845.N1	23JUL2011 06:58:03	23JUL2011 08:05:43	0	0	0	0	0
5	MIP_NL__0PNPDK20110723_080509_000061593104_00409_49130_5846.N1	23JUL2011 08:05:09	23JUL2011 09:47:48	0	0	0	0	0
6	MIP_NL__0PNPDK20110723_094704_000059523104_00410_49131_5847.N1	23JUL2011 09:47:04	23JUL2011 11:26:16	0	0	0	0	0
7	MIP_NL__0PNPDK20110723_112544_000060003104_00411_49132_5848.N1	23JUL2011 11:25:44	23JUL2011 13:05:44	0	0	0	0	0
8	MIP_NL__0PNPDK20110723_130501_000059163104_00412_49133_5849.N1	23JUL2011 13:05:01	23JUL2011 14:43:37	0	0	0	0	0
9	MIP_NL__0PNPDK20110723_144255_000058663104_00413_49134_5850.N1	23JUL2011 14:42:55	23JUL2011 16:20:41	0	0	0	0	0
10	MIP_NL__0PNPDK20110723_161959_000058773104_00414_49135_5851.N1	23JUL2011 16:19:59	23JUL2011 17:57:56	0	0	0	0	0
11	MIP_NL__0PNPDK20110723_175700_000059983104_00415_49136_5852.N1	23JUL2011 17:57:00	23JUL2011 19:36:57	0	0	0	0	0
12	MIP_NL__0PNPDK20110723_193601_000060713104_00416_49137_5853.N1	23JUL2011 19:36:01	23JUL2011 21:17:12	0	0	0	0	0
13	MIP_NL__0PNPDE20110723_211542_000043793104_00417_49138_9294.N1	23JUL2011 21:15:42	23JUL2011 22:28:41	0	0	0	0	0
14	MIP_NL__0PNPDE20110723_222744_000061063104_00417_49138_9295.N1	23JUL2011 22:27:44	24JUL2011 00:09:31	0	0	0	0	0

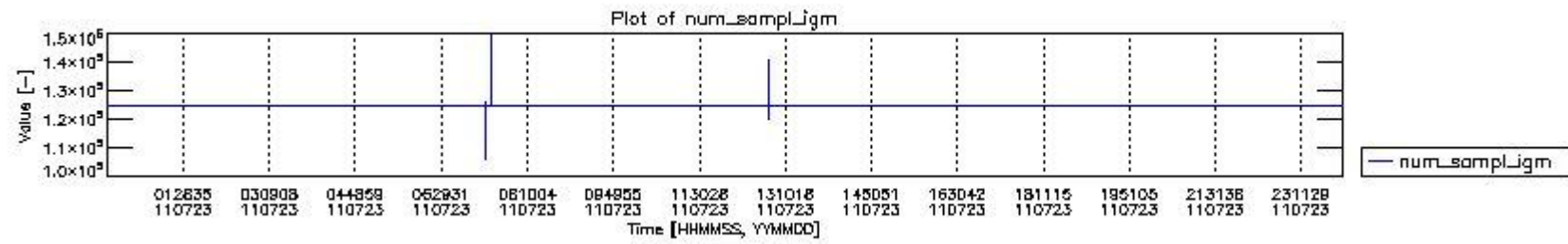
0.2 Instrument Operational Performance Parameters

The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

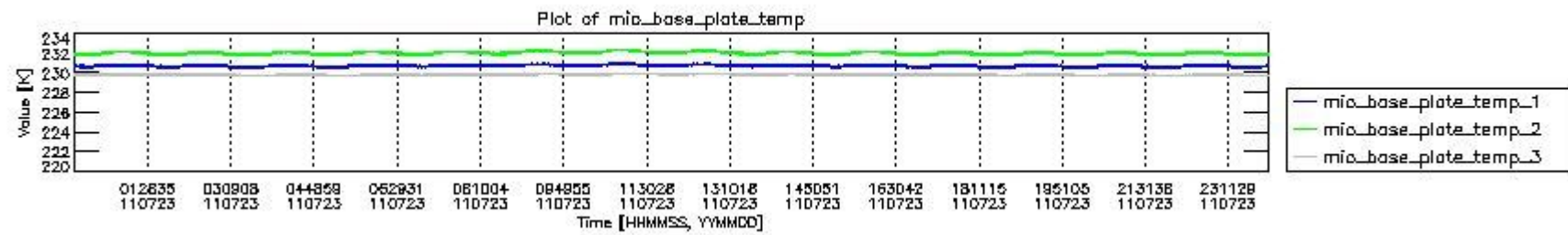
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
105897	1	0.0024050602
107126	1	0.0024050602
120245	1	0.0024050602

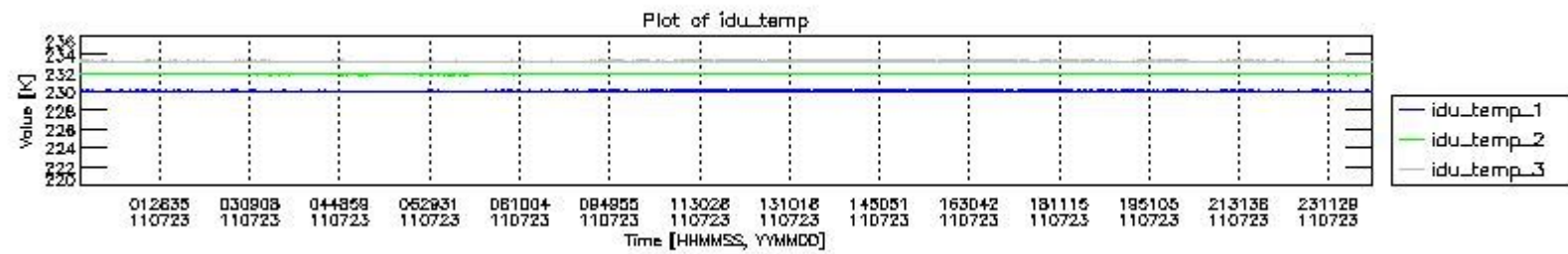
124800	38620	92.883427
124803	2950	7.0949277
126029	1	0.0024050602
127308	1	0.0024050602
135822	1	0.0024050602
140377	1	0.0024050602
147440	1	0.0024050602
149948	1	0.0024050602



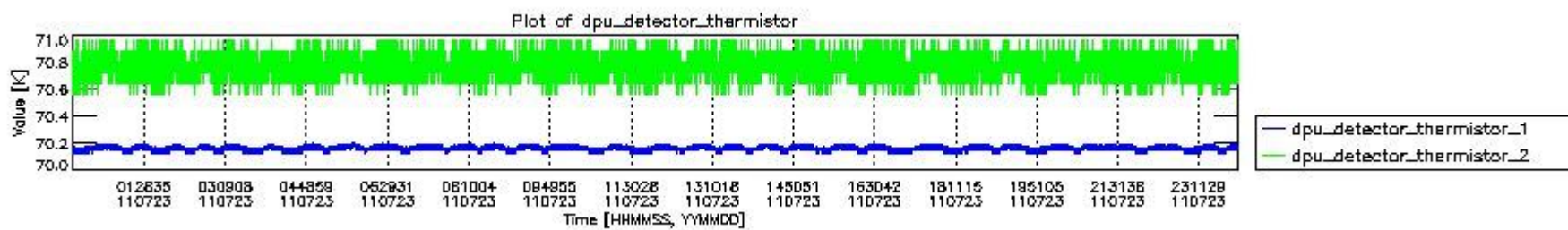
mipas_daily_report_level0_KSPT_L0_4504_N_20110723_0.PNG



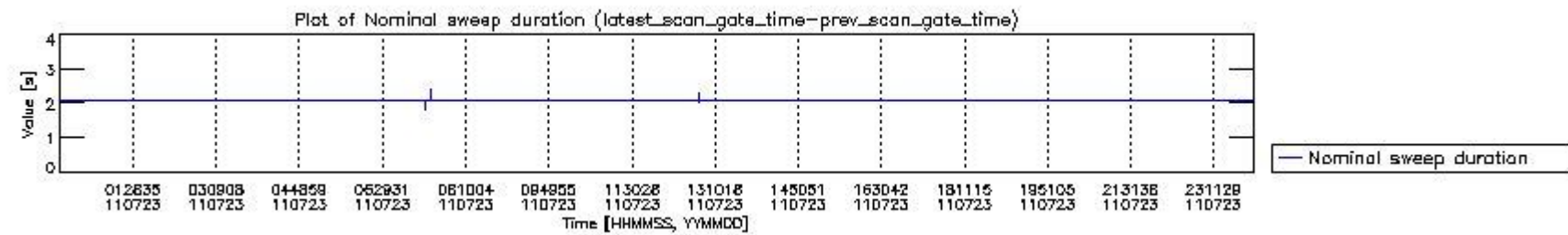
mipas_daily_report_level0_KSPT_L0_4504_N_20110723_1.PNG



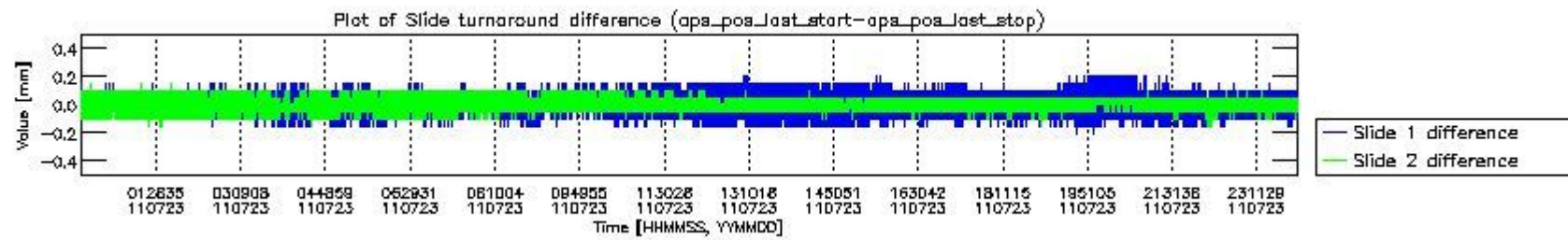
mipas_daily_report_level0_KSPT_L0_4504_N_20110723_2.PNG



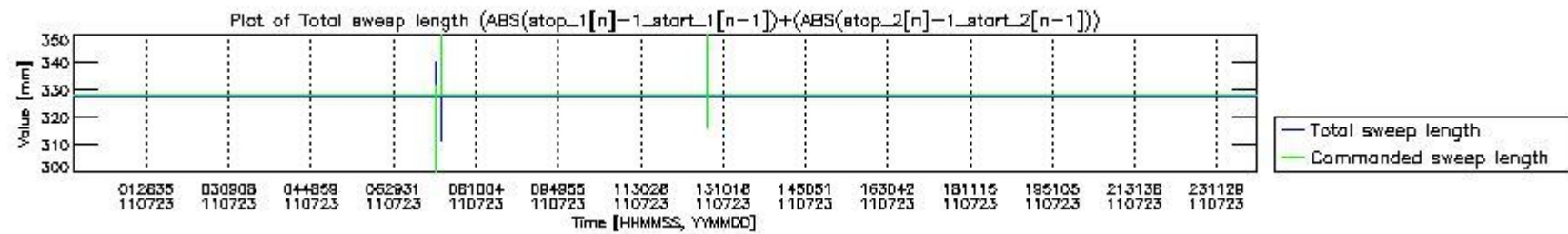
mipas_daily_report_level0_KSPT_L0_4504_N_20110723_3.PNG



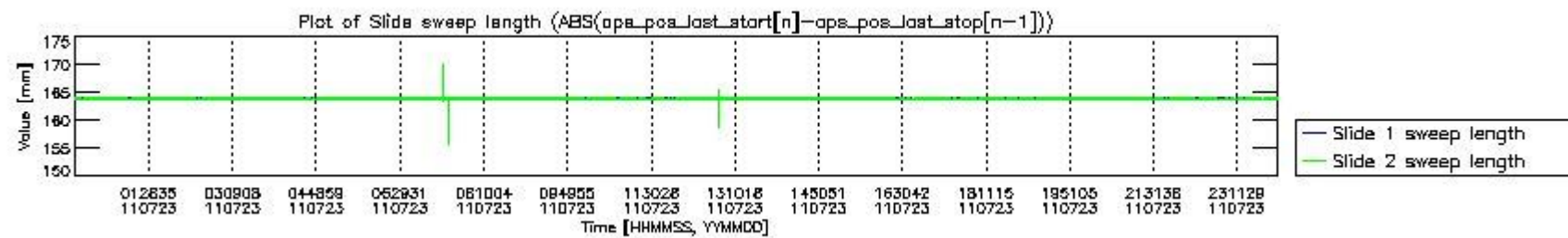
mipas_daily_report_level0_KSPT_L0_4504_N_20110723_4.PNG



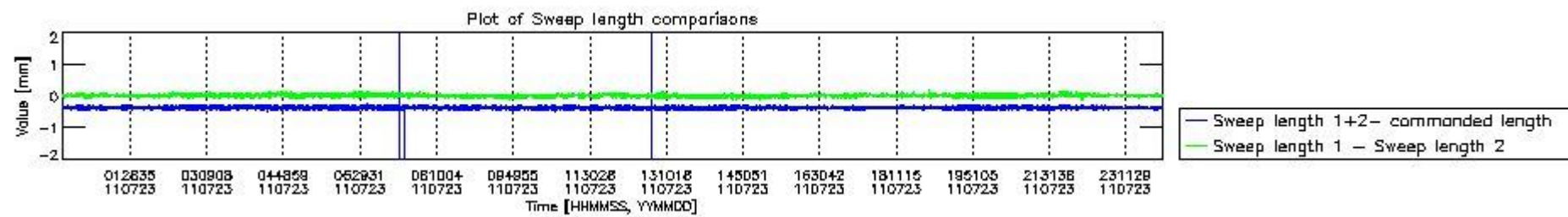
mipas_daily_report_level0_KSPT_L0_4504_N_20110723_5.PNG



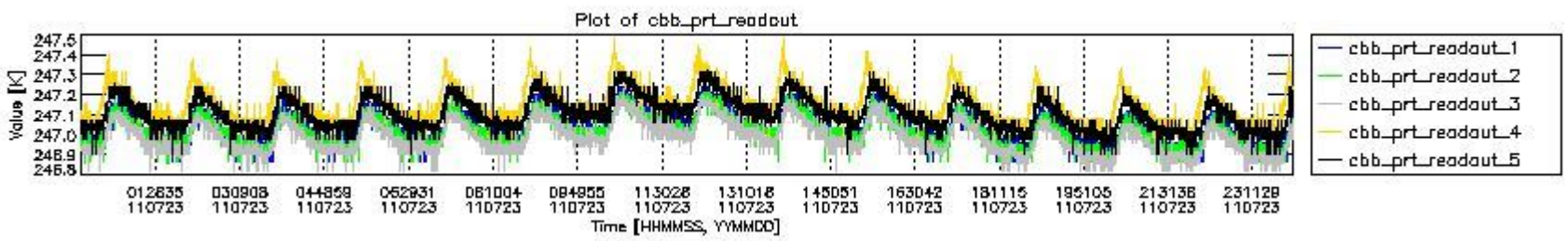
mipas_daily_report_level0_KSPT_L0_4504_N_20110723_6.PNG



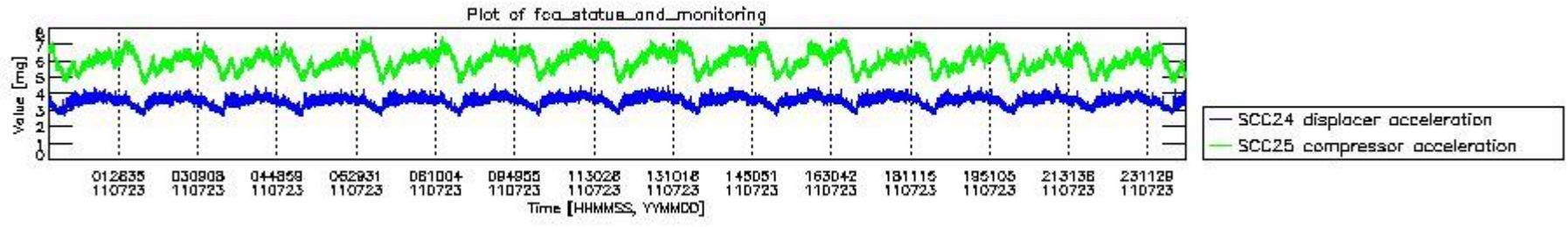
mipas_daily_report_level0_KSPT_L0_4504_N_20110723_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110723_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110723_9.PNG

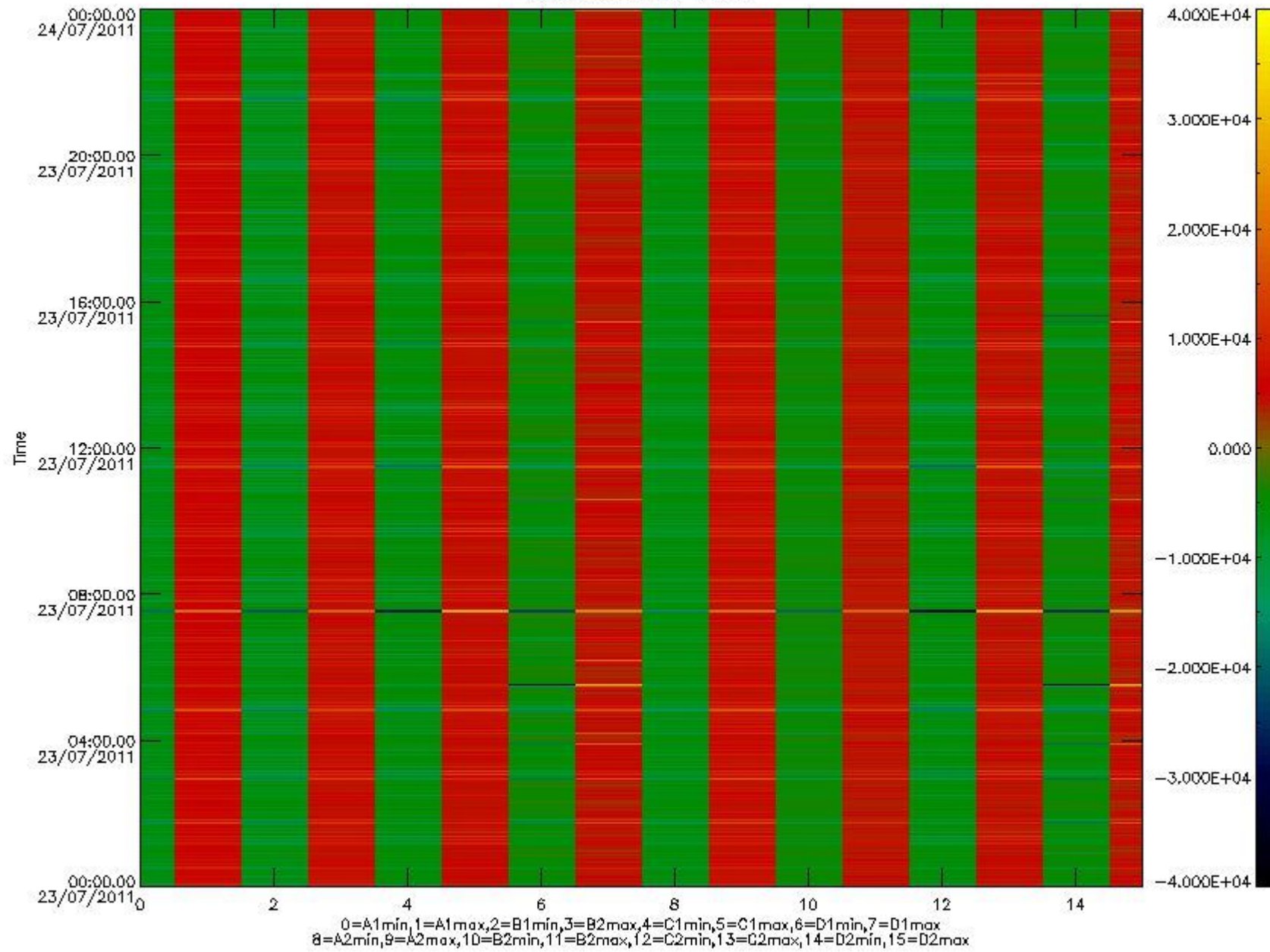


mipas_daily_report_level0_KSPT_L0_4504_N_20110723_10.PNG

The following table shows channel statistics for all channels for this day.

Channel	Min	Max	ADC
A1	-18837	19878	16bit
B1	-21494	18422	16bit
C1	-27410	27275	16bit
D1	-32768	32767	16bit
A2	-16188	20063	16bit
B2	-19812	19380	16bit
C2	-28463	28077	16bit
D2	-32768	32767	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110723_11.PNG

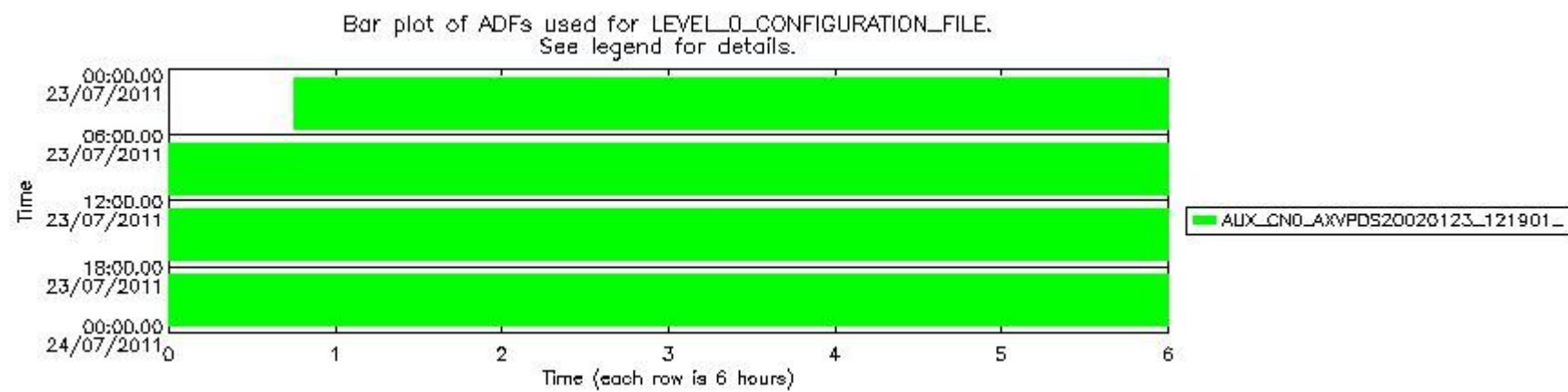
0.3 ADF monitoring

The use of ADFs is shown in two ways:

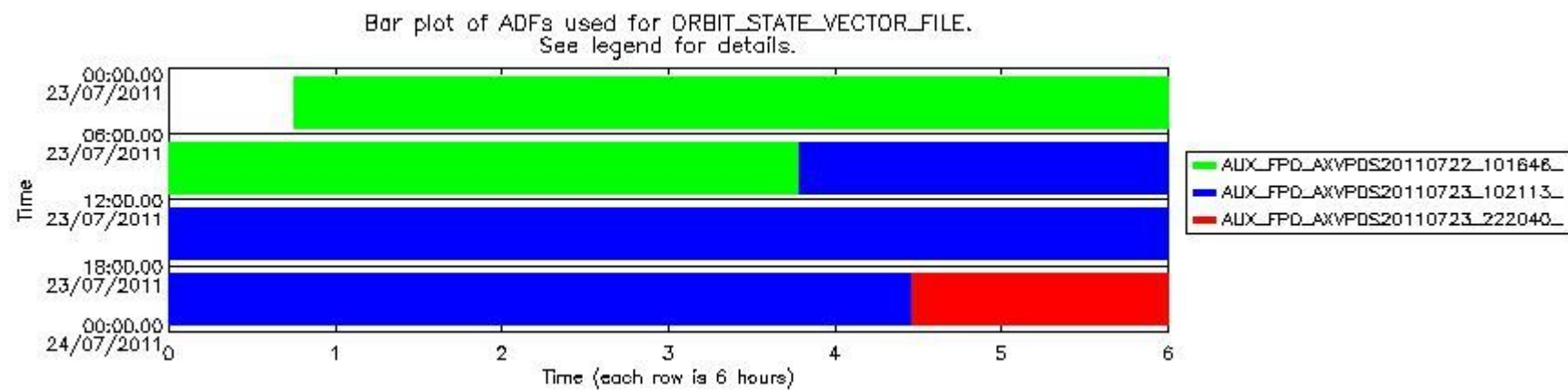
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110722_101646_20110721_185232_20110731_210619
2	AUX_FPO_AXVPDS20110723_102113_20110722_195602_20110801_202935
3	AUX_FPO_AXVPDS20110723_222040_20110723_191918_20110802_213305

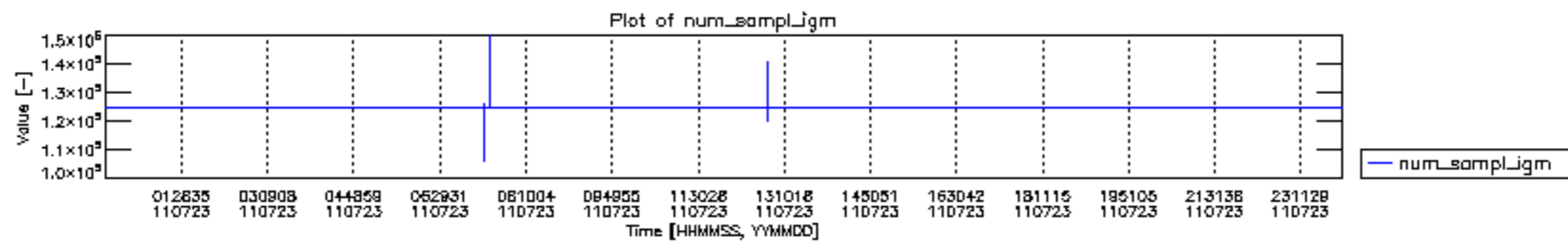
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110723_004453_000058313104_00404_49125_9290.N1	0	1
1	MIP_NL__0PNPDE20110723_022059_000045603104_00405_49126_9291.N1	0	1
2	MIP_NL__0PNPDE20110723_033626_000061563104_00406_49127_9292.N1	0	1
3	MIP_NL__0PNPDE20110723_051831_000060063104_00407_49128_9293.N1	0	1
4	MIP_NL__0PNPDK20110723_065803_000040593104_00408_49129_5845.N1	0	1
5	MIP_NL__0PNPDK20110723_080509_000061593104_00409_49130_5846.N1	0	1
6	MIP_NL__0PNPDK20110723_094704_000059523104_00410_49131_5847.N1	0	2
7	MIP_NL__0PNPDK20110723_112544_000060003104_00411_49132_5848.N1	0	2
8	MIP_NL__0PNPDK20110723_130501_000059163104_00412_49133_5849.N1	0	2
9	MIP_NL__0PNPDK20110723_144255_000058663104_00413_49134_5850.N1	0	2
10	MIP_NL__0PNPDK20110723_161959_000058773104_00414_49135_5851.N1	0	2
11	MIP_NL__0PNPDK20110723_175700_000059983104_00415_49136_5852.N1	0	2
12	MIP_NL__0PNPDK20110723_193601_000060713104_00416_49137_5853.N1	0	2
13	MIP_NL__0PNPDE20110723_211542_000043793104_00417_49138_9294.N1	0	2
14	MIP_NL__0PNPDE20110723_222744_000061063104_00417_49138_9295.N1	0	3

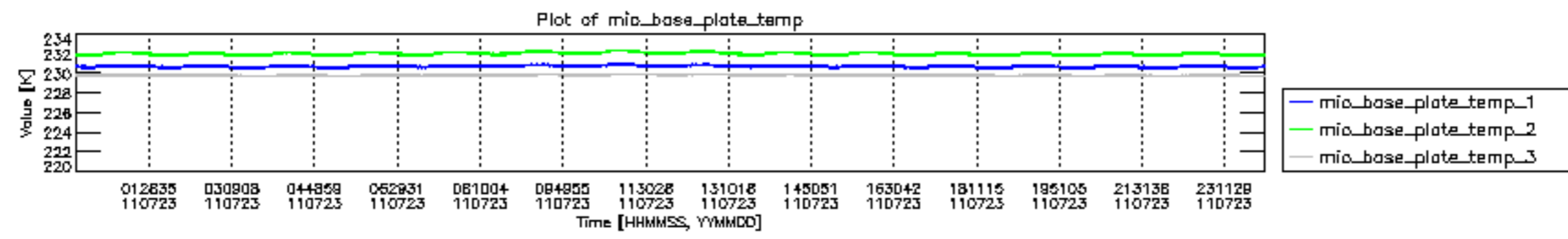


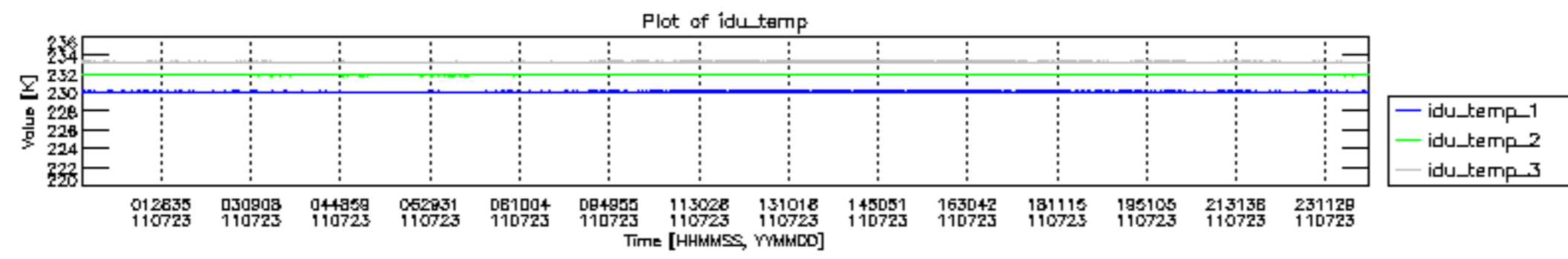
mipas_daily_report_level0_KSPT_L0_4504_N_20110723_12.PNG

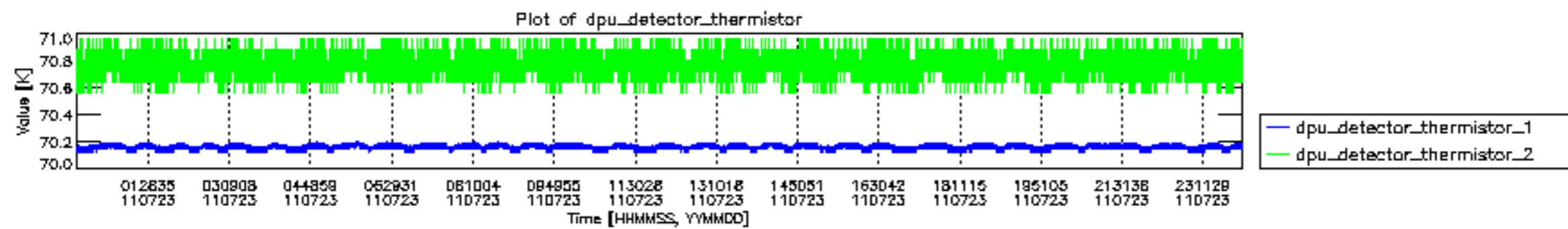


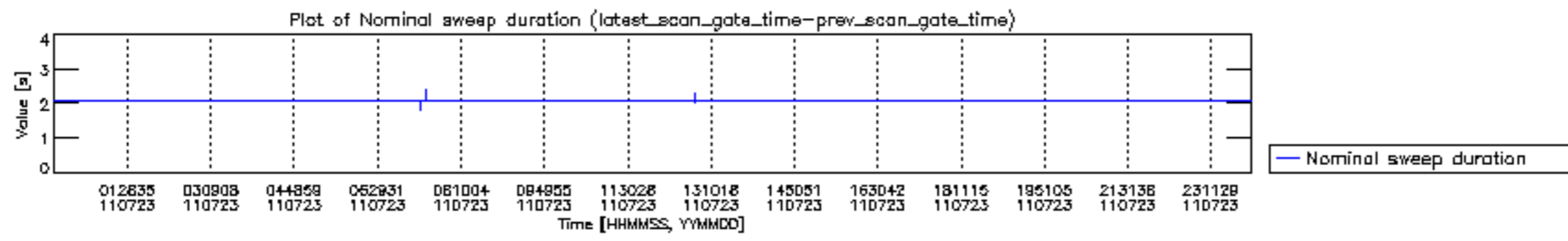
mipas_daily_report_level0_KSPT_L0_4504_N_20110723_13.PNG

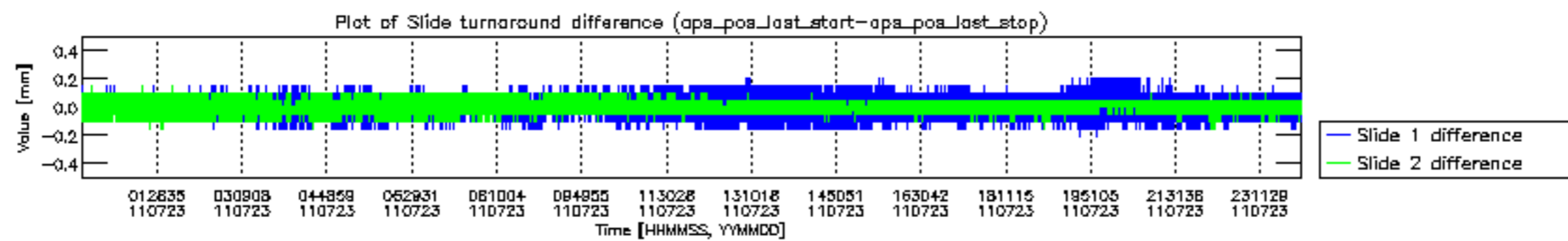


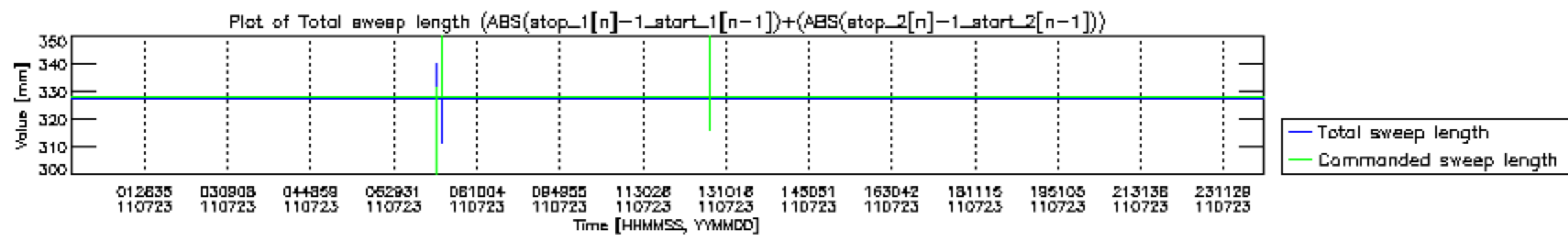


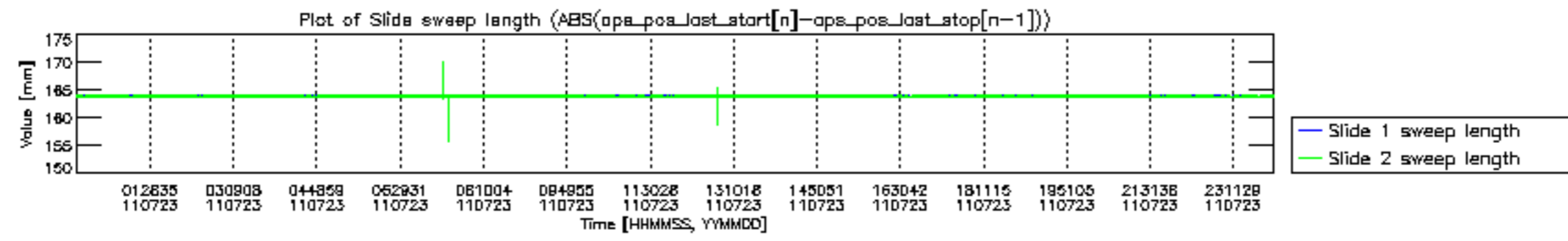


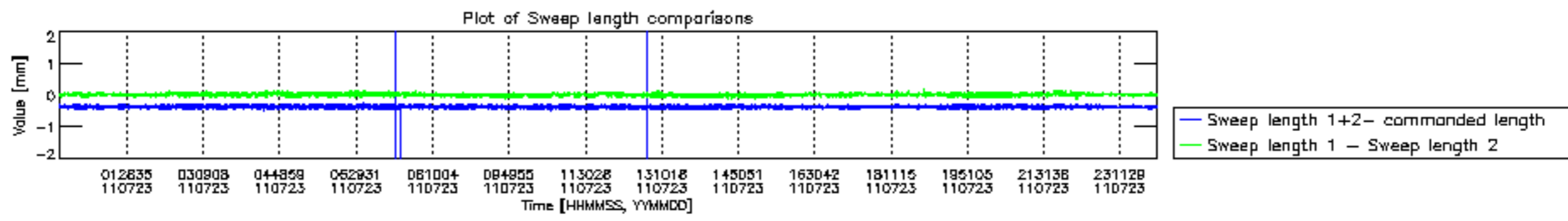


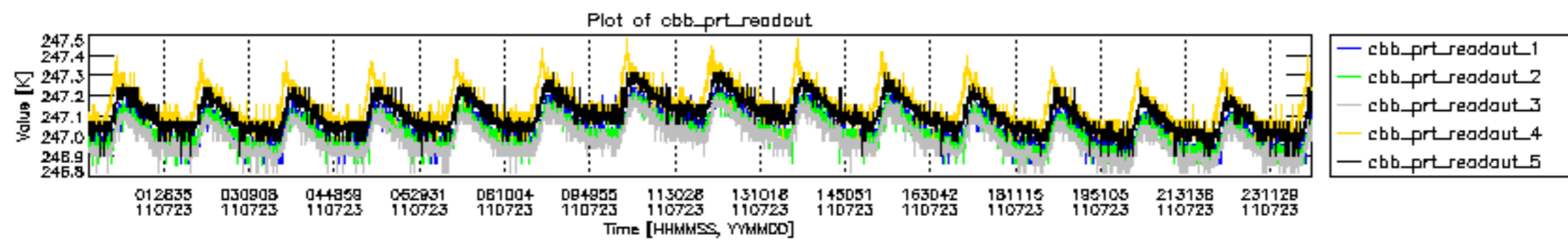


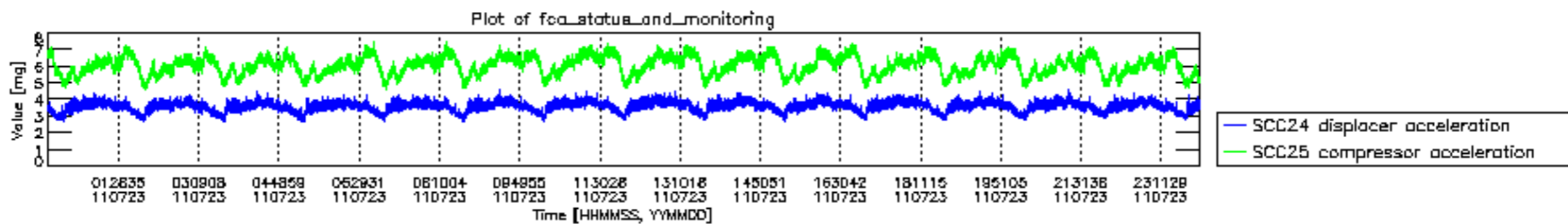




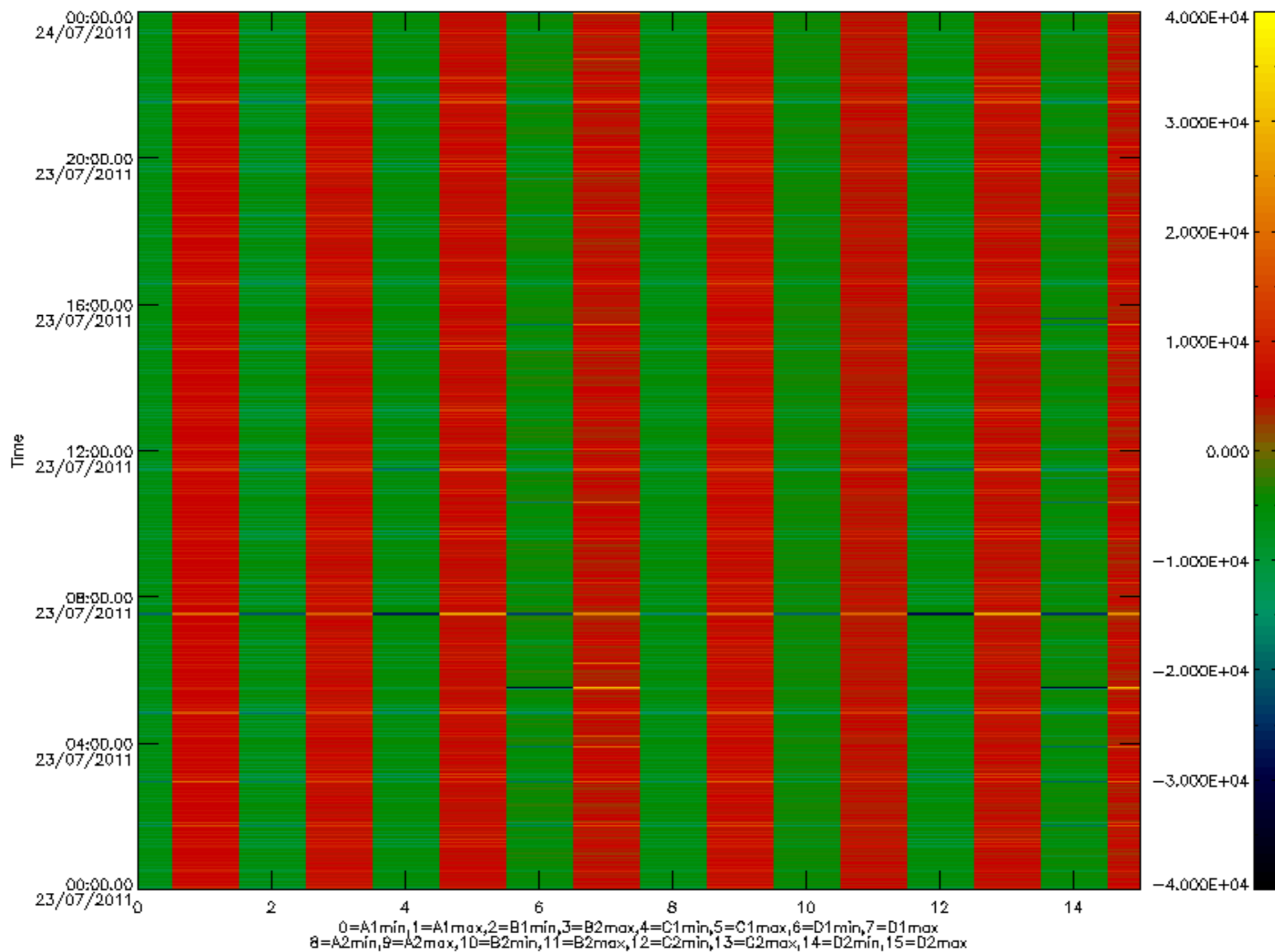


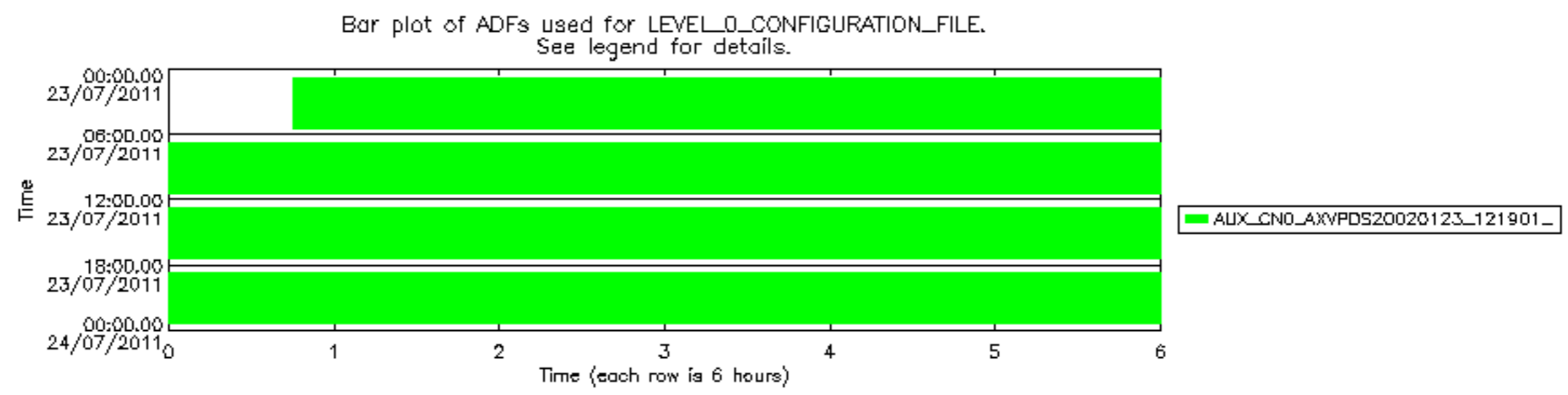






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

