

0. MIPAS Daily Report for level 0 products

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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	15AUG2011 05:23:24
Data source version	KSPT_L0/4504-N
Processing scope for products	10AUG2011 00:00:00 to 11AUG2011 00:00:00
Start time of first product within scope	10AUG2011 01:24:56
Stop time of last product within scope	11AUG2011 00:49:42
Total number of level 0 products	14
Number of level 0 products with errors	1

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__0PNPDE20110810_012456_000102883105_00232_49384_9408.N1	10AUG2011 01:24:56	10AUG2011 04:16:24	0	0	0	0	0
1	MIP_NL__0PNPDE20110810_041551_000061793105_00234_49386_9409.N1	10AUG2011 04:15:51	10AUG2011 05:58:50	0	0	0	0	0
2	MIP_NL__0PNPDE20110810_055817_000061963105_00235_49387_9410.N1	10AUG2011 05:58:17	10AUG2011 07:41:32	0	0	0	0	0
3	MIP_NL__0PNPDK20110810_074059_000038753105_00236_49388_6011.N1	10AUG2011 07:40:59	10AUG2011 08:45:34	0	0	0	0	0
4	MIP_NL__0PNPDK20110810_084501_000061863105_00237_49389_6012.N1	10AUG2011 08:45:01	10AUG2011 10:28:06	0	0	0	0	0
5	MIP_NL__0PNPDK20110810_103646_000053523105_00238_49390_6013.N1	10AUG2011 10:36:46	10AUG2011 12:05:59	1	1	0	0	0
6	MIP_NL__0PNPDK20110810_120525_000059733105_00239_49391_6014.N1	10AUG2011 12:05:25	10AUG2011 13:44:58	0	0	0	0	0
7	MIP_NL__0PNPDK20110810_134424_000058833105_00240_49392_6015.N1	10AUG2011 13:44:24	10AUG2011 15:22:27	0	0	0	0	0
8	MIP_NL__0PNPDK20110810_152154_000058353105_00241_49393_6016.N1	10AUG2011 15:21:54	10AUG2011 16:59:08	0	0	0	0	0
9	MIP_NL__0PNPDK20110810_165812_000059333105_00242_49394_6017.N1	10AUG2011 16:58:12	10AUG2011 18:37:05	0	0	0	0	0
10	MIP_NL__0PNPDK20110810_183608_000060983105_00243_49395_6018.N1	10AUG2011 18:36:08	10AUG2011 20:17:46	0	0	0	0	0
11	MIP_NL__0PNPDE20110810_201648_000043103105_00244_49396_9411.N1	10AUG2011 20:16:48	10AUG2011 21:28:37	0	0	0	0	0
12	MIP_NL__0PNPDE20110810_212739_000060543105_00244_49396_9412.N1	10AUG2011 21:27:39	10AUG2011 23:08:33	0	0	0	0	0
13	MIP_NL__0PNPDE20110810_230730_000061313105_00245_49397_9413.N1	10AUG2011 23:07:30	11AUG2011 00:49:42	0	0	0	0	0

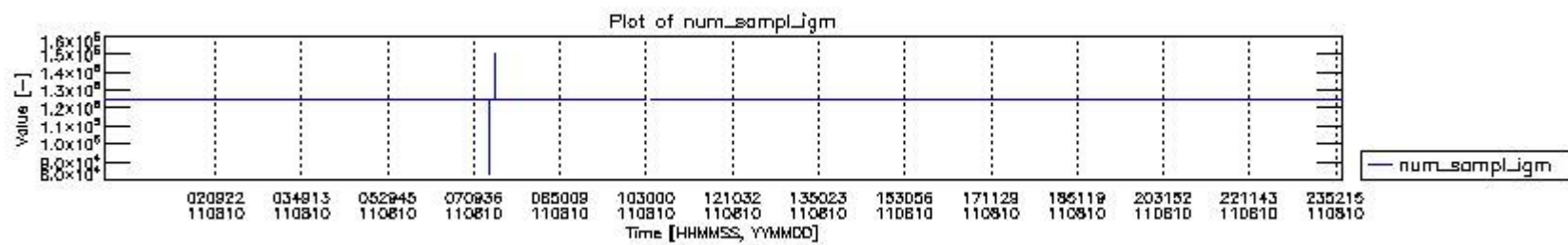
0.2 Instrument Operational Performance Parameters

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.

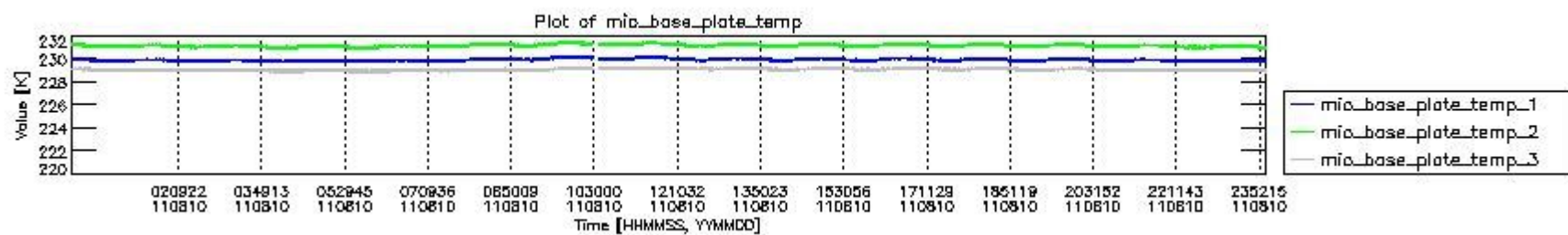
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
83486	1	0.0024185552
94077	1	0.0024185552
114209	1	0.0024185552
124800	38405	92.884611

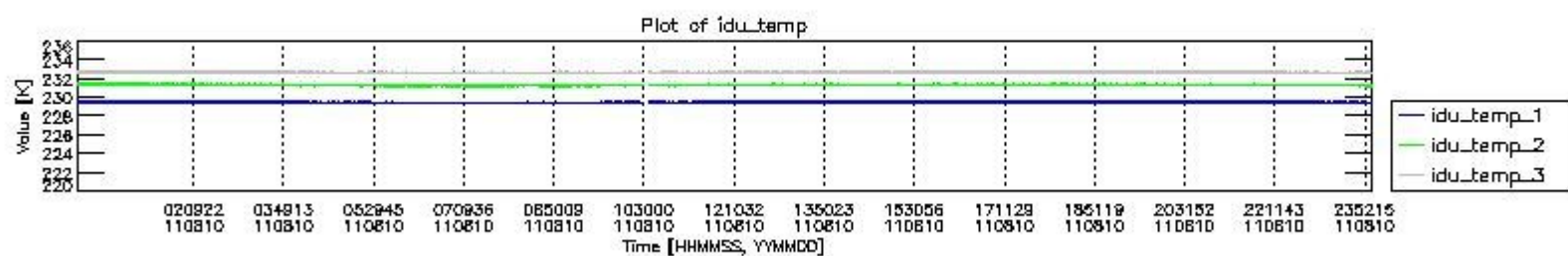
124803	2936	7.1008779
127605	1	0.0024185552
147737	1	0.0024185552
150542	1	0.0024185552



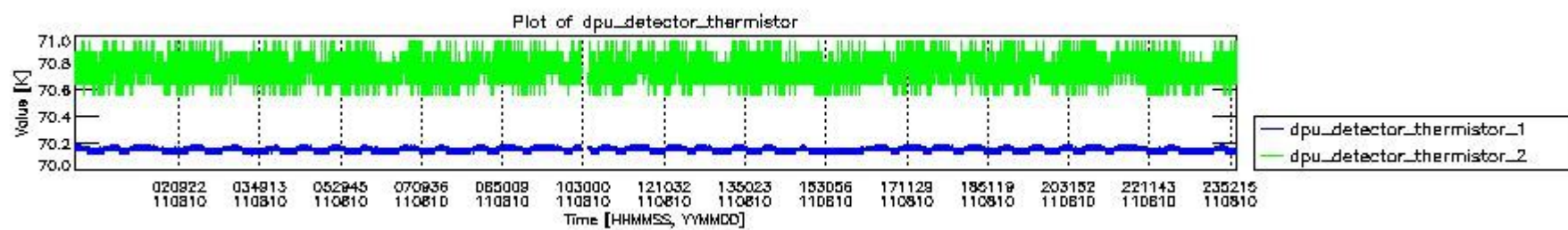
mipas_daily_report_level0_KSPT_L0_4504_N_20110810_0.PNG



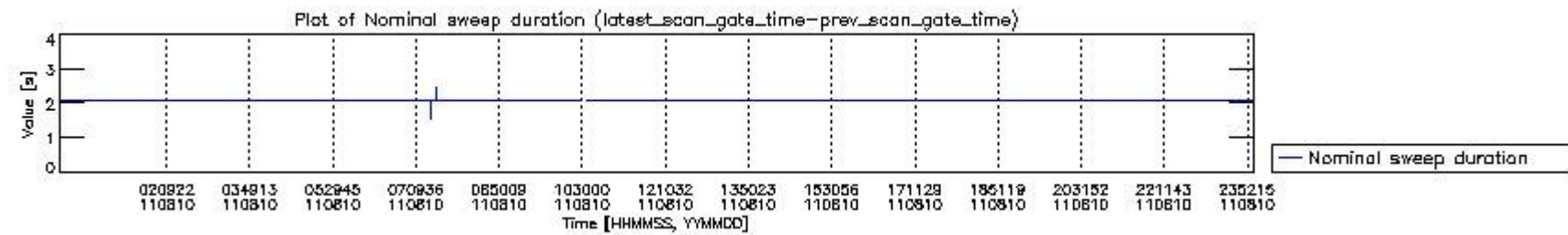
mipas_daily_report_level0_KSPT_L0_4504_N_20110810_1.PNG



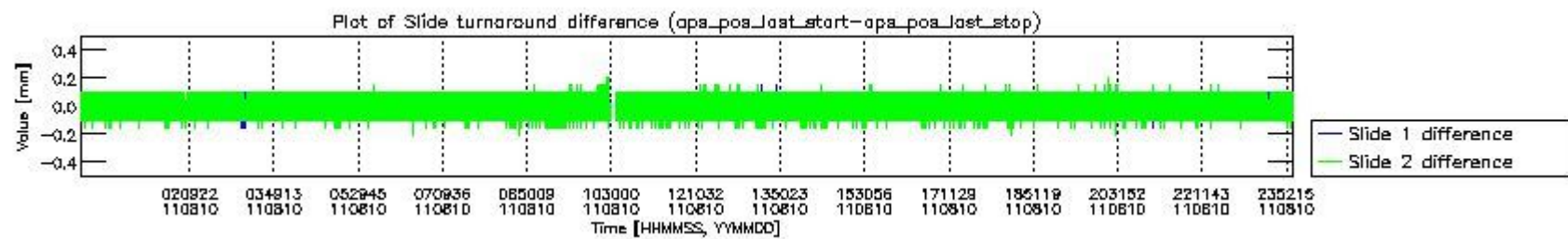
mipas_daily_report_level0_KSPT_L0_4504_N_20110810_2.PNG



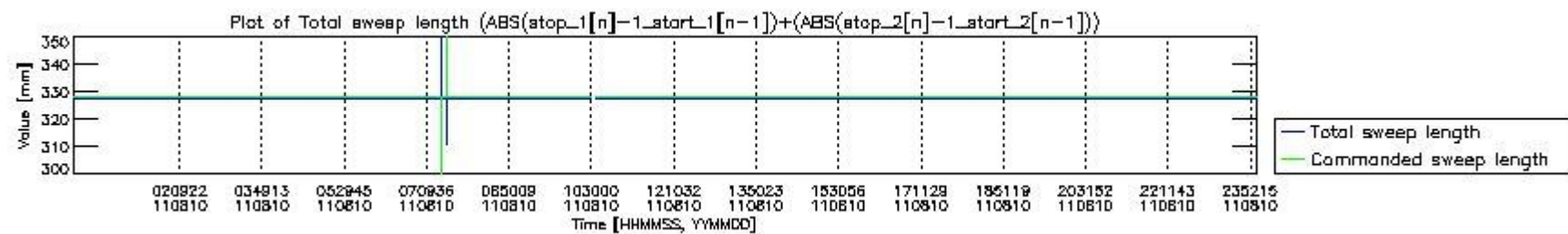
mipas_daily_report_level0_KSPT_L0_4504_N_20110810_3.PNG



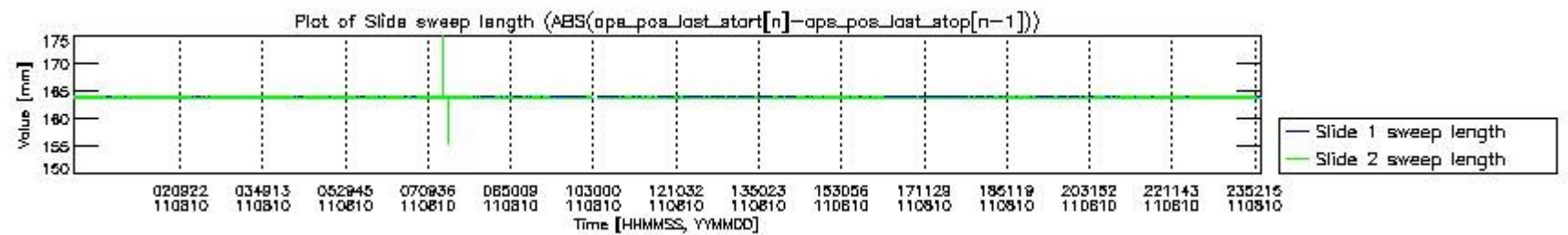
mipas_daily_report_level0_KSPT_L0_4504_N_20110810_4.PNG



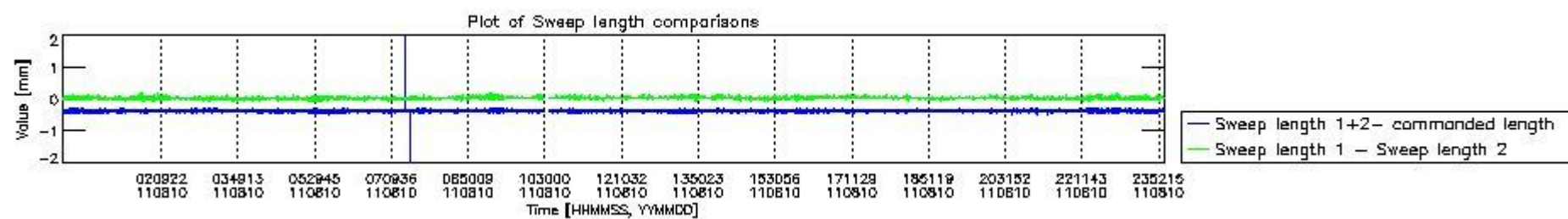
mipas_daily_report_level0_KSPT_L0_4504_N_20110810_5.PNG



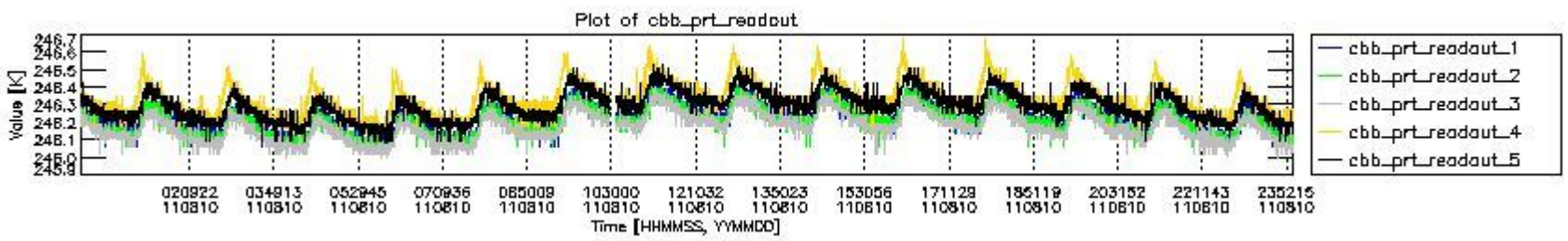
mipas_daily_report_level0_KSPT_L0_4504_N_20110810_6.PNG



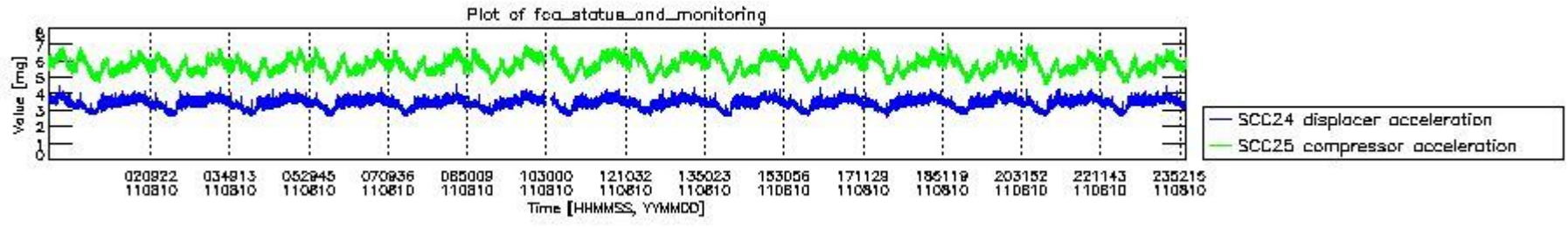
mipas_daily_report_level0_KSPT_L0_4504_N_20110810_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110810_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110810_9.PNG

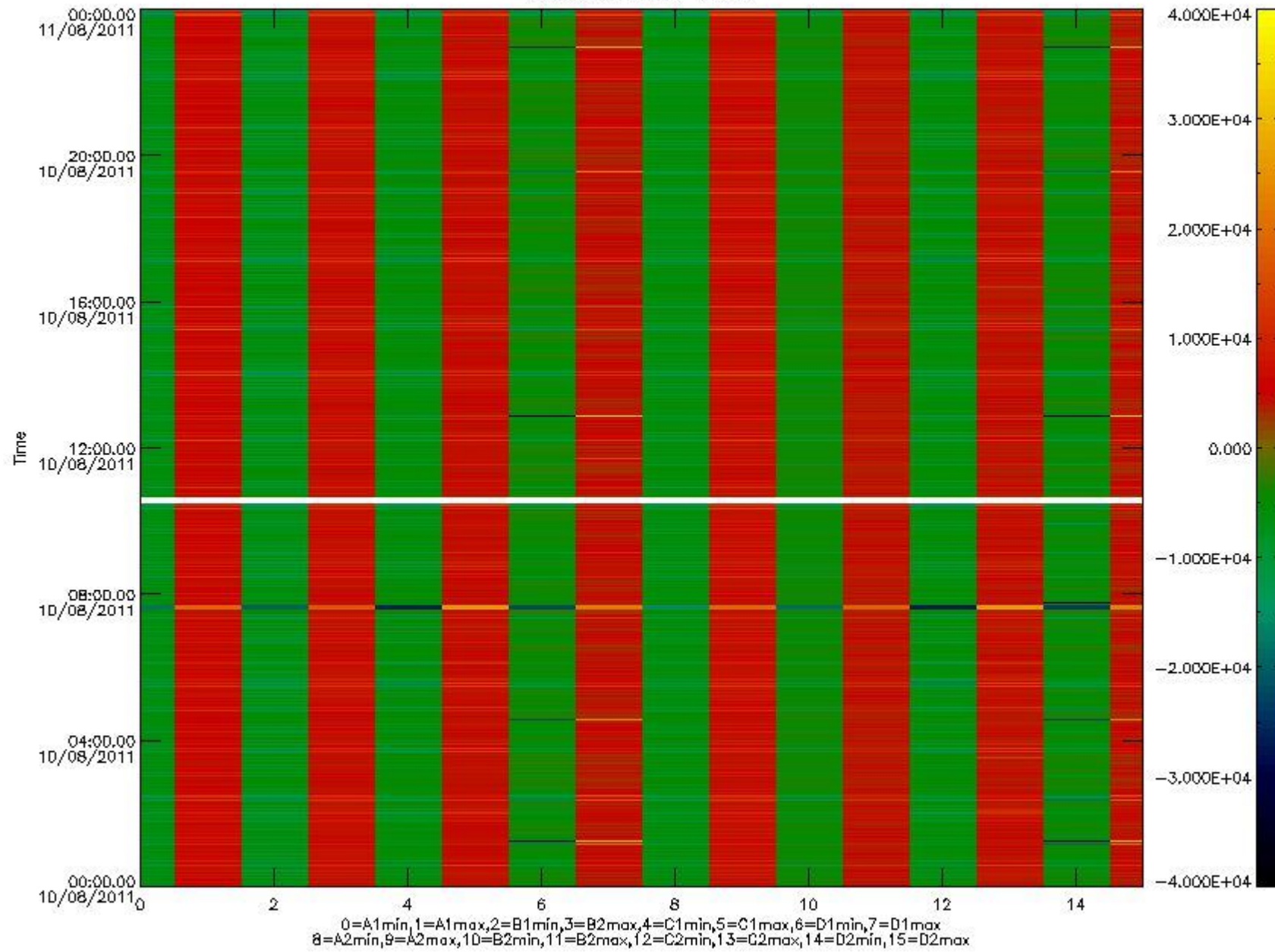


mipas_daily_report_level0_KSPT_L0_4504_N_20110810_10.PNG

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

Channel	Min	Max	ADC
A1	-19073	20511	16bit
B1	-20937	17980	16bit
C1	-26353	26266	16bit
D1	-32768	32767	16bit
A2	-16217	20139	16bit
B2	-19205	18835	16bit
C2	-27409	27048	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_20110810_11.PNG

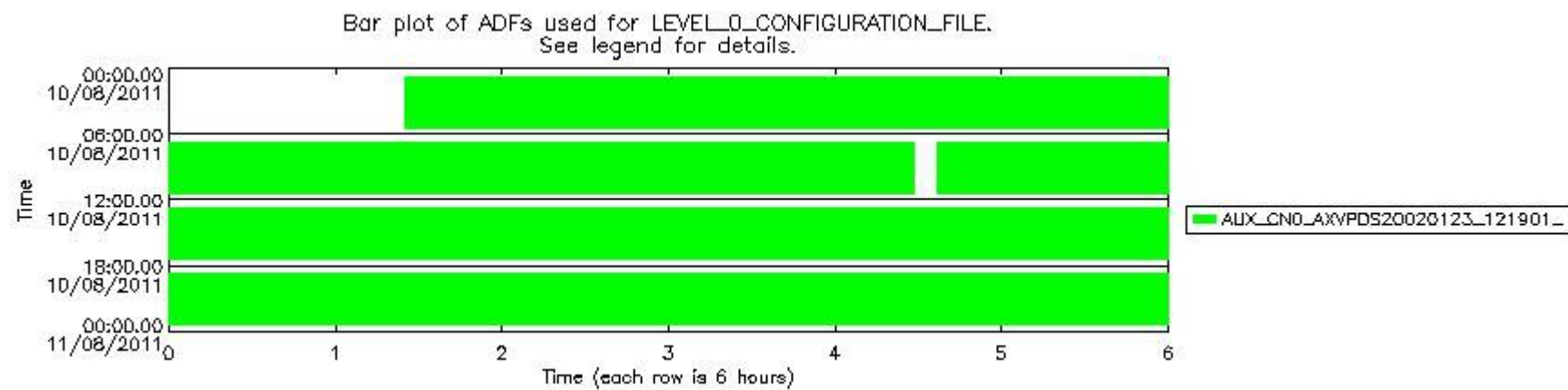
0.3 ADF monitoring

The use of ADFs is shown in two ways:

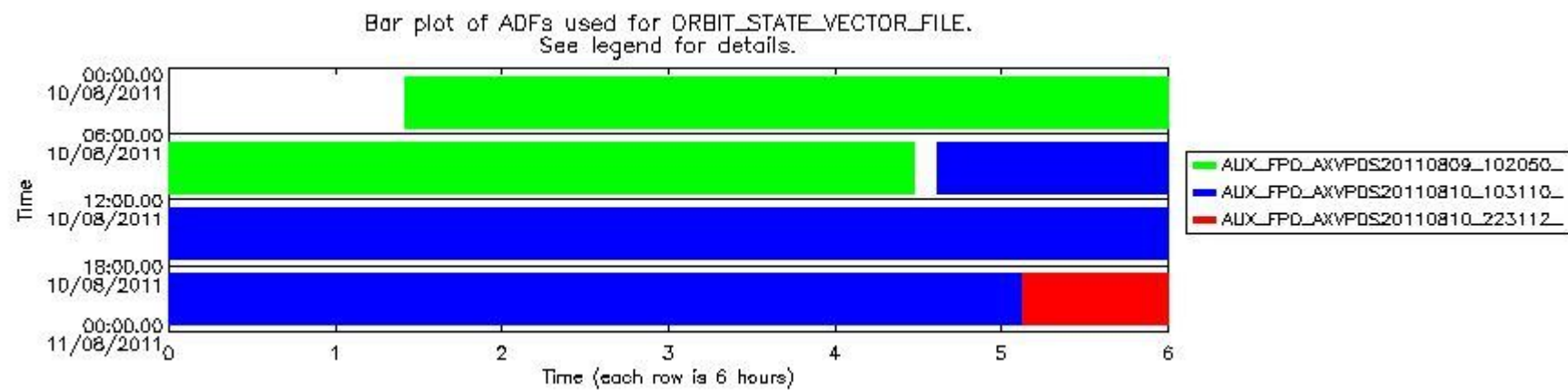
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110809_102050_20110808_193252_20110818_200625
2	AUX_FPO_AXVPDS20110810_103110_20110809_185608_20110819_210955
3	AUX_FPO_AXVPDS20110810_223112_20110810_113827_20110820_135214

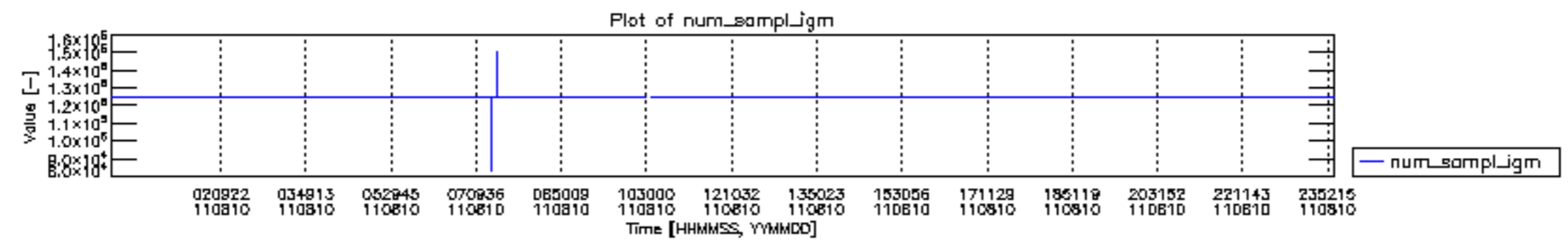
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110810_012456_000102883105_00232_49384_9408.N1	0	1
1	MIP_NL__0PNPDE20110810_041551_000061793105_00234_49386_9409.N1	0	1
2	MIP_NL__0PNPDE20110810_055817_000061963105_00235_49387_9410.N1	0	1
3	MIP_NL__0PNPDK20110810_074059_000038753105_00236_49388_6011.N1	0	1
4	MIP_NL__0PNPDK20110810_084501_000061863105_00237_49389_6012.N1	0	1
5	MIP_NL__0PNPDK20110810_103646_000053523105_00238_49390_6013.N1	0	2
6	MIP_NL__0PNPDK20110810_120525_000059733105_00239_49391_6014.N1	0	2
7	MIP_NL__0PNPDK20110810_134424_000058833105_00240_49392_6015.N1	0	2
8	MIP_NL__0PNPDK20110810_152154_000058353105_00241_49393_6016.N1	0	2
9	MIP_NL__0PNPDK20110810_165812_000059333105_00242_49394_6017.N1	0	2
10	MIP_NL__0PNPDK20110810_183608_000060983105_00243_49395_6018.N1	0	2
11	MIP_NL__0PNPDE20110810_201648_000043103105_00244_49396_9411.N1	0	2
12	MIP_NL__0PNPDE20110810_212739_000060543105_00244_49396_9412.N1	0	2
13	MIP_NL__0PNPDE20110810_230730_000061313105_00245_49397_9413.N1	0	3

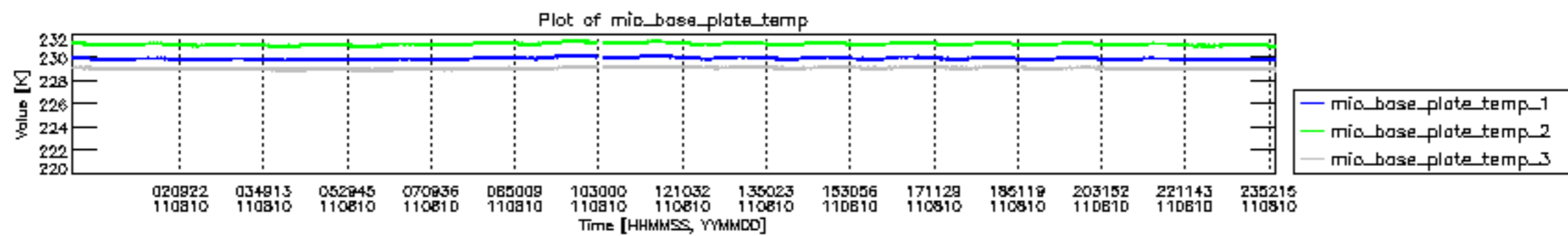


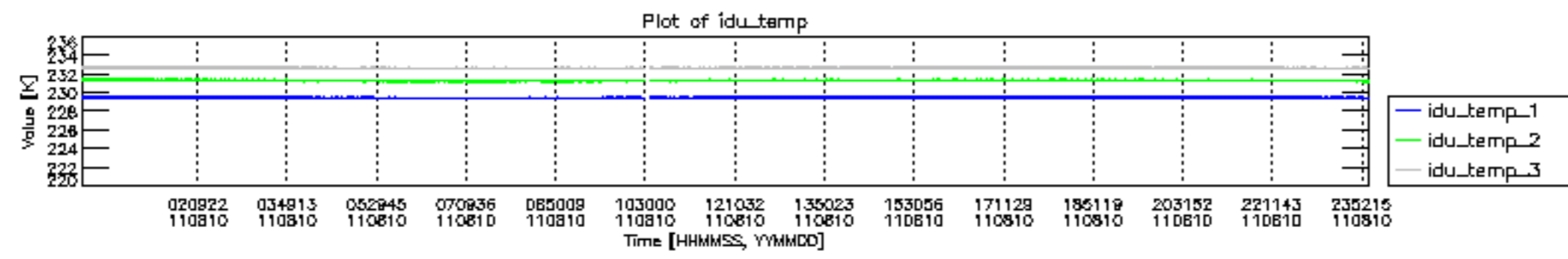
mipas_daily_report_level0_KSPT_L0_4504_N_20110810_12.PNG

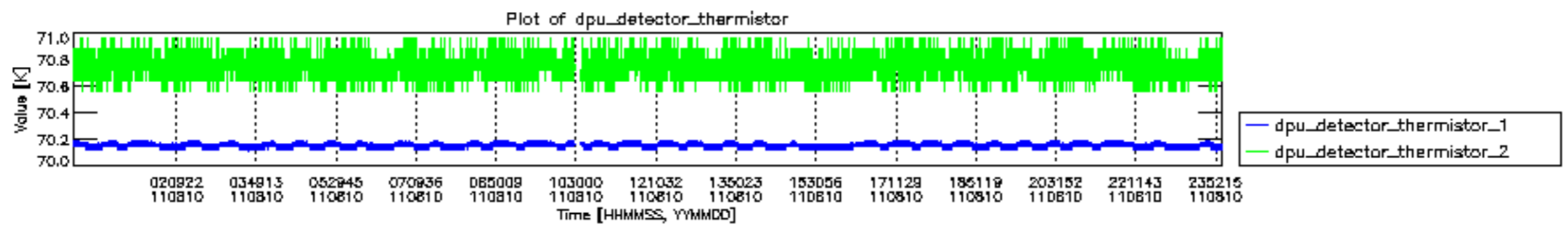


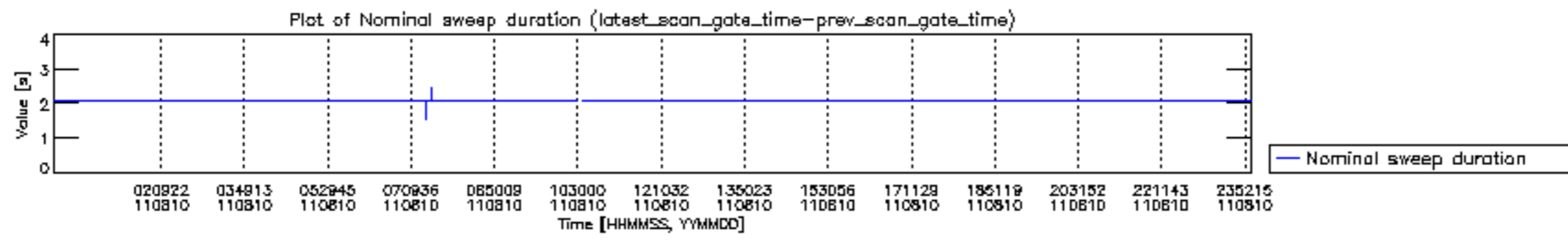
mipas_daily_report_level0_KSPT_L0_4504_N_20110810_13.PNG

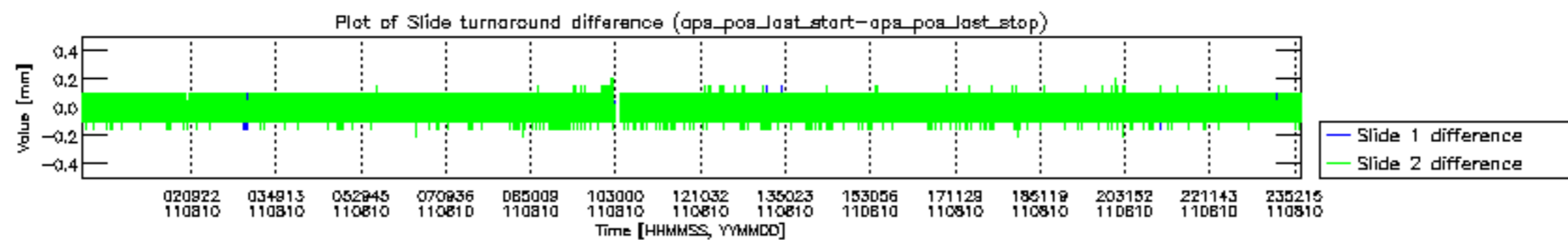


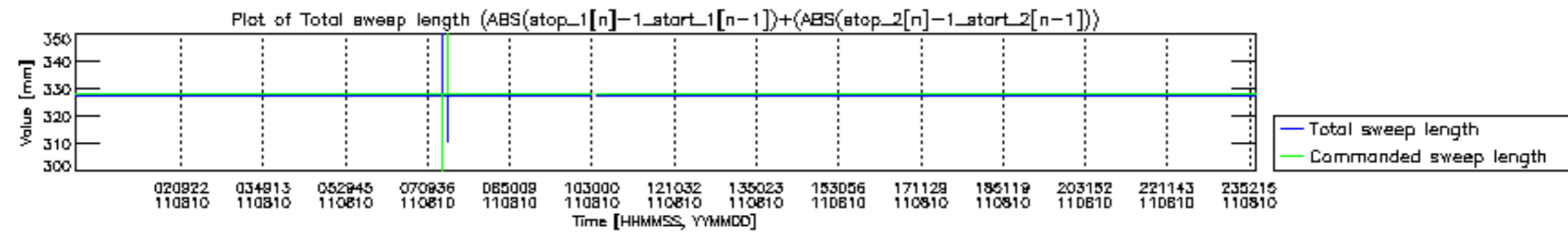


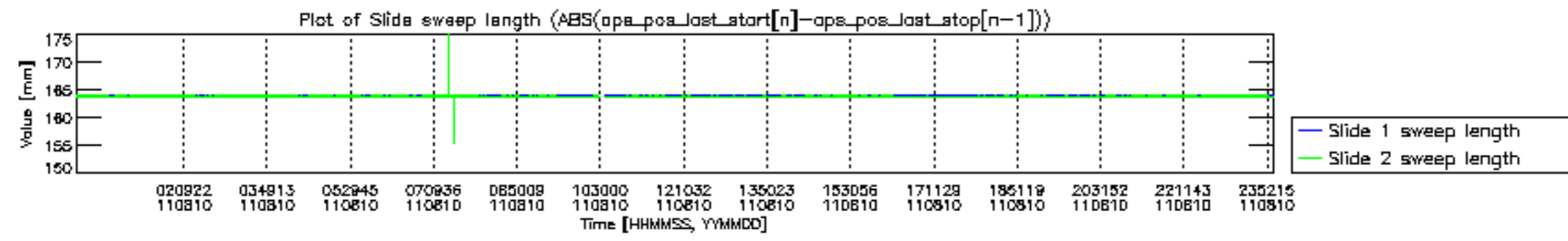


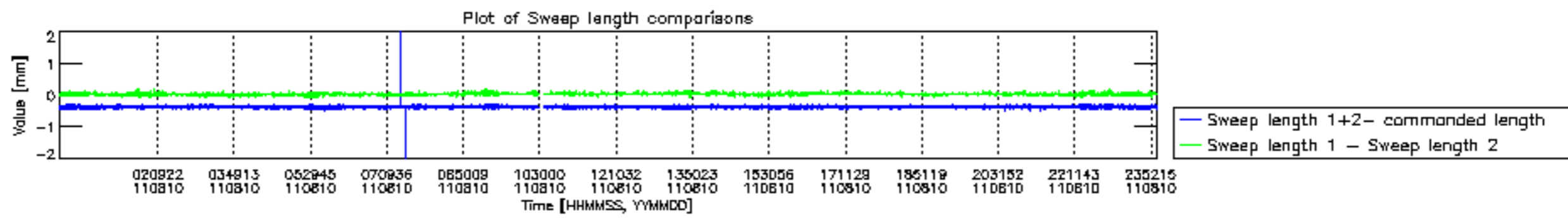


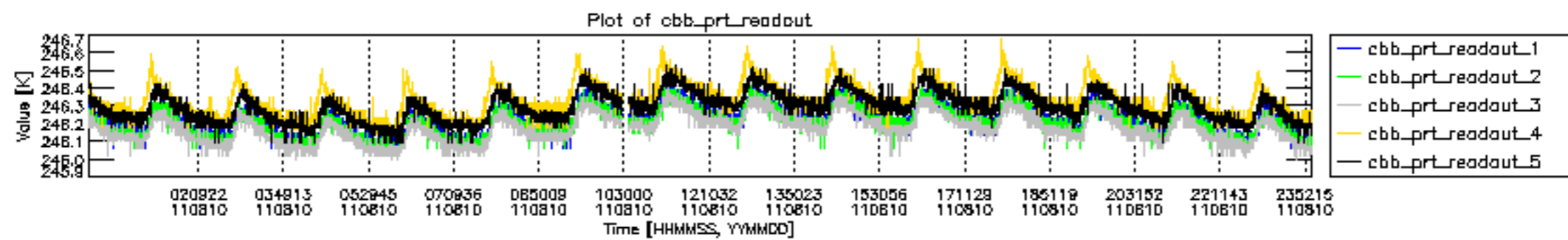


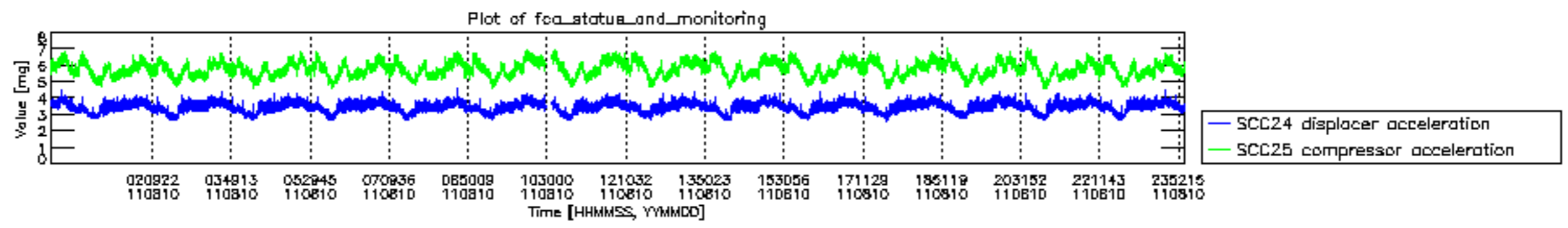




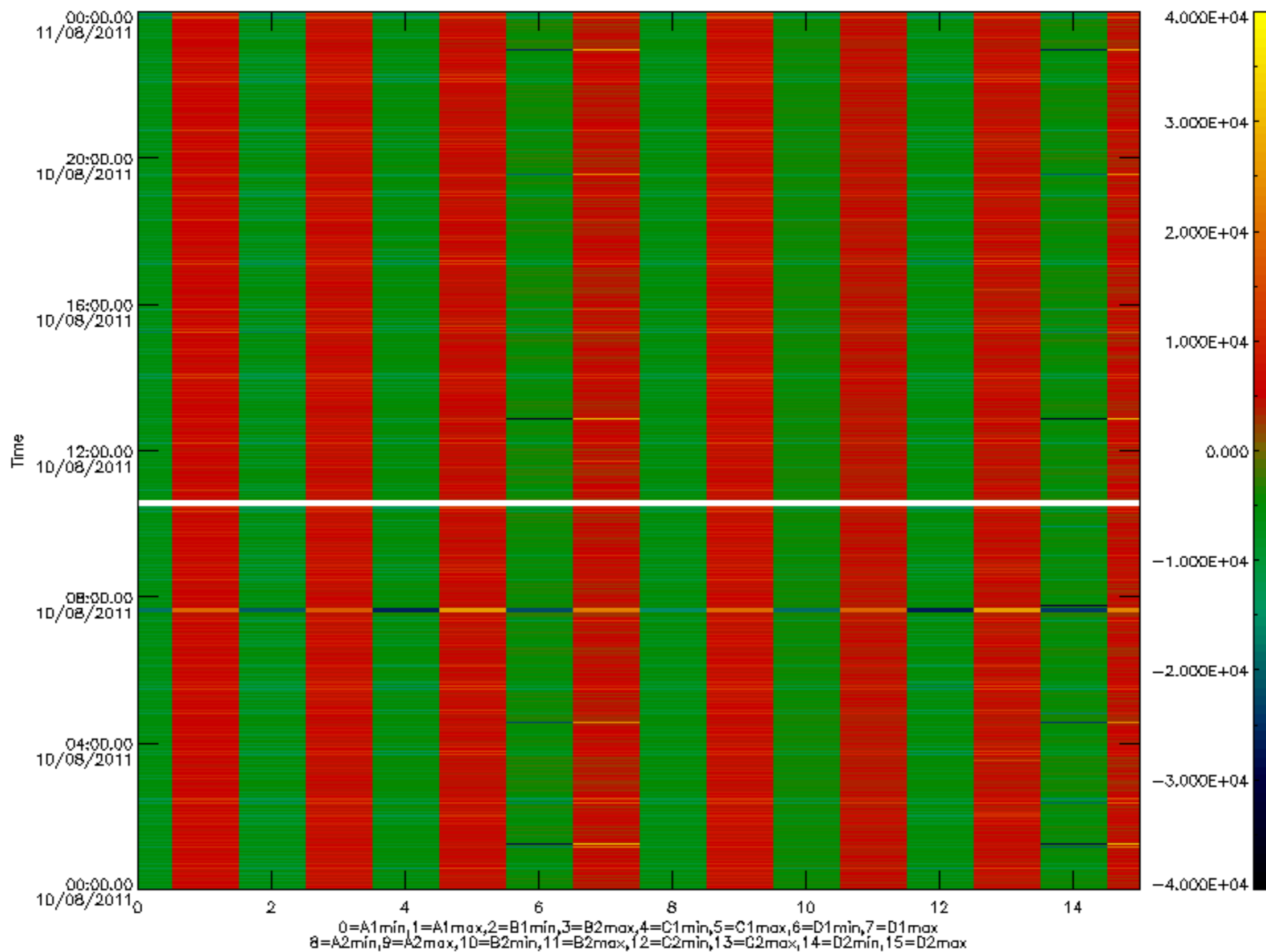


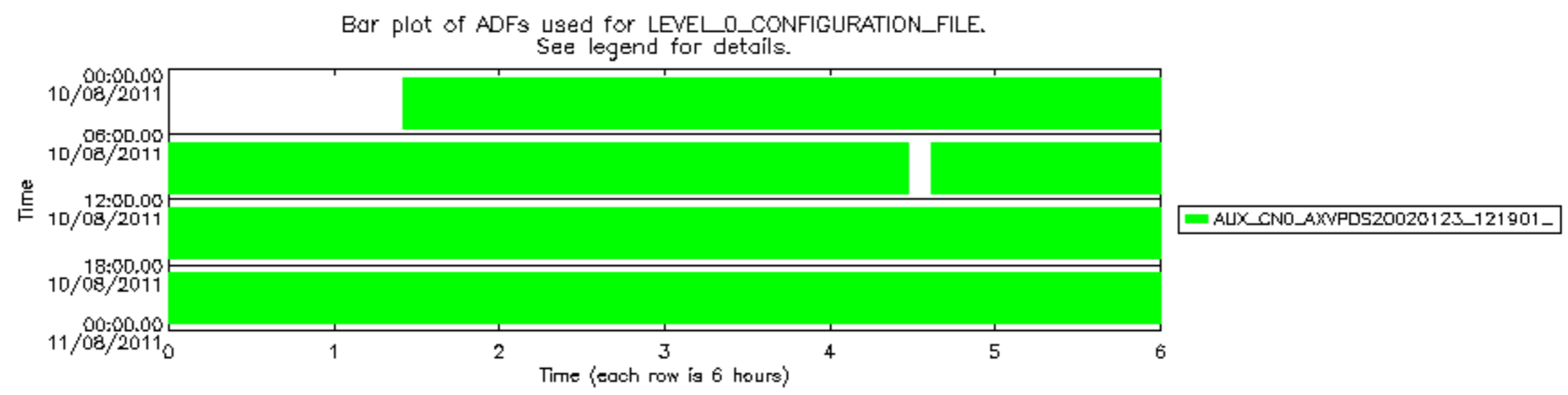






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

