

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	08SEP2011 05:24:56
Data source version	KSPT_L0/4504-N
Processing scope for products	03SEP2011 00:00:00 to 04SEP2011 00:00:00
Start time of first product within scope	03SEP2011 00:05:58
Stop time of last product within scope	04SEP2011 01:10:11
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__OPNPDE20110903_000558_000058623106_00145_49728_9571.N1	03SEP2011 00:05:58	03SEP2011 01:43:40	0	0	0	0	0
1	MIP_NL__OPNPDE20110903_014239_000044853106_00146_49729_9572.N1	03SEP2011 01:42:39	03SEP2011 02:57:24	0	0	0	0	0
2	MIP_NL__OPNPDE20110903_025651_000061083106_00147_49730_9573.N1	03SEP2011 02:56:51	03SEP2011 04:38:39	0	0	0	0	0
3	MIP_NL__OPNPDE20110903_043805_000060523106_00148_49731_9574.N1	03SEP2011 04:38:05	03SEP2011 06:18:57	0	0	0	0	0
4	MIP_NL__OPNPDK20110903_061824_000023883106_00149_49732_6219.N1	03SEP2011 06:18:24	03SEP2011 06:58:12	0	0	0	0	0
5	MIP_NL__OPNPDK20110903_101812_000016923106_00151_49734_6220.N1	03SEP2011 10:18:12	03SEP2011 10:46:24	0	0	0	0	0
6	MIP_NL__OPNPDK20110903_104538_000060533106_00152_49735_6221.N1	03SEP2011 10:45:38	03SEP2011 12:26:31	0	0	0	0	0
7	MIP_NL__OPNPDK20110903_122547_000059663106_00153_49736_6222.N1	03SEP2011 12:25:47	03SEP2011 14:05:13	0	0	0	0	0
8	MIP_NL__OPNPDK20110903_140440_000058413106_00154_49737_6223.N1	03SEP2011 14:04:40	03SEP2011 15:42:01	0	0	0	0	0
9	MIP_NL__OPNPDK20110903_154027_000059583106_00155_49738_6224.N1	03SEP2011 15:40:27	03SEP2011 17:19:44	0	0	0	0	0
10	MIP_NL__OPNPDK20110903_171846_000059523106_00156_49739_6225.N1	03SEP2011 17:18:46	03SEP2011 18:57:57	0	0	0	0	0
11	MIP_NL__OPNPDK20110903_185659_000060373106_00157_49740_6226.N1	03SEP2011 18:56:59	03SEP2011 20:37:36	0	0	0	0	0
12	MIP_NL__OPNPDE20110903_203602_000043993106_00158_49741_9575.N1	03SEP2011 20:36:02	03SEP2011 21:49:22	0	0	0	0	0
13	MIP_NL__OPNPDE20110903_214825_000060943106_00158_49741_9576.N1	03SEP2011 21:48:25	03SEP2011 23:29:59	0	0	0	0	0
14	MIP_NL__OPNPDE20110903_232856_000060753106_00159_49742_9577.N1	03SEP2011 23:28:56	04SEP2011 01:10:11	0	0	0	0	0

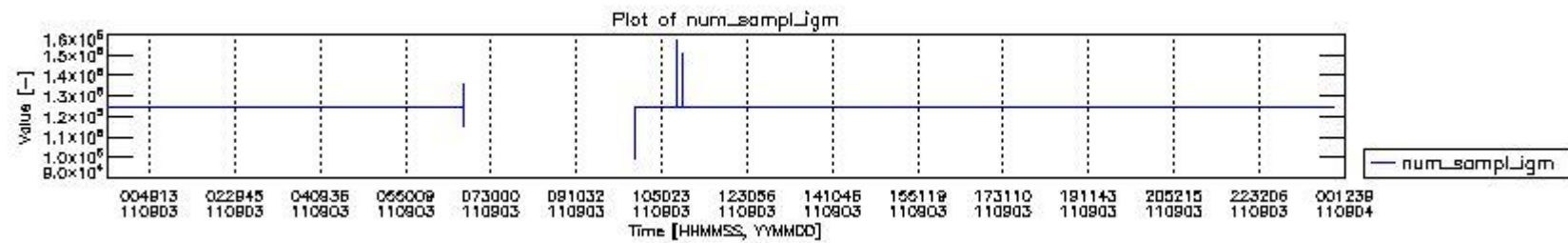
0.2 Instrument Operational Performance Parameters

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.

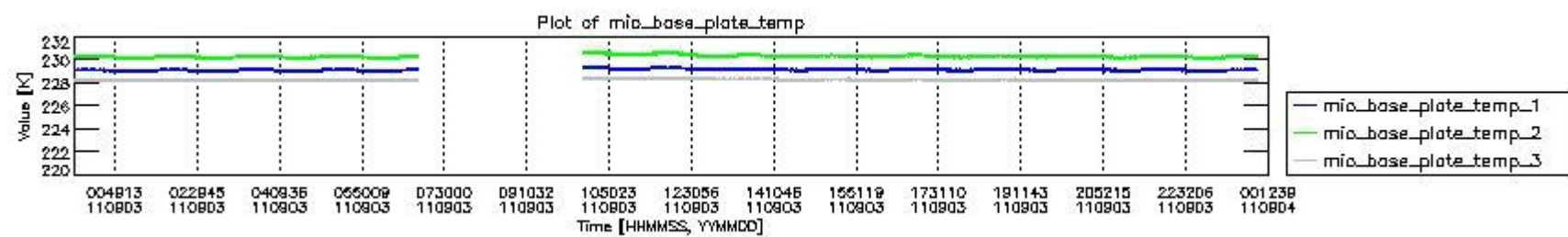
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98922	1	0.0027918144
115562	1	0.0027918144
123548	1	0.0027918144

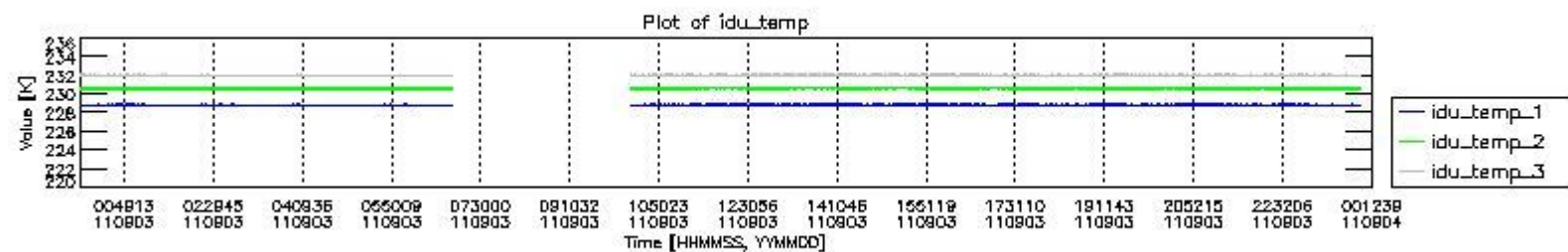
124174	1	0.0027918144
124800	33270	92.883665
124803	2537	7.0828331
126456	1	0.0027918144
127754	1	0.0027918144
130802	1	0.0027918144
135694	1	0.0027918144
147886	1	0.0027918144
150840	1	0.0027918144
150934	1	0.0027918144
156936	1	0.0027918144



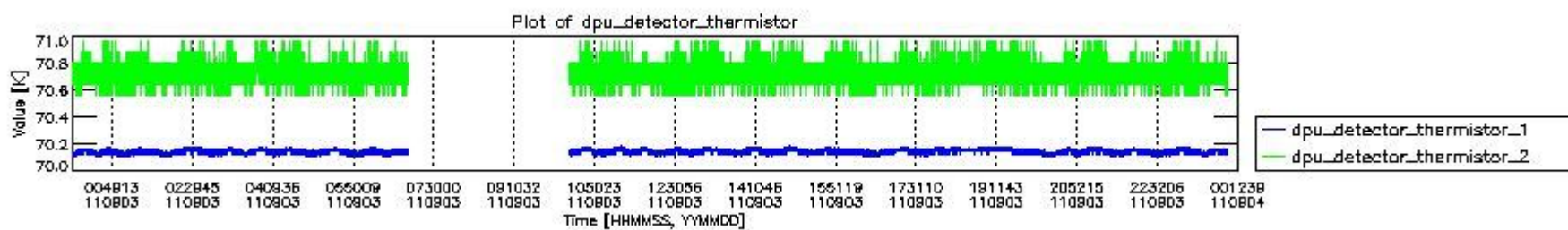
mipas_daily_report_level0_KSPT_L0_4504_N_20110903_0.PNG



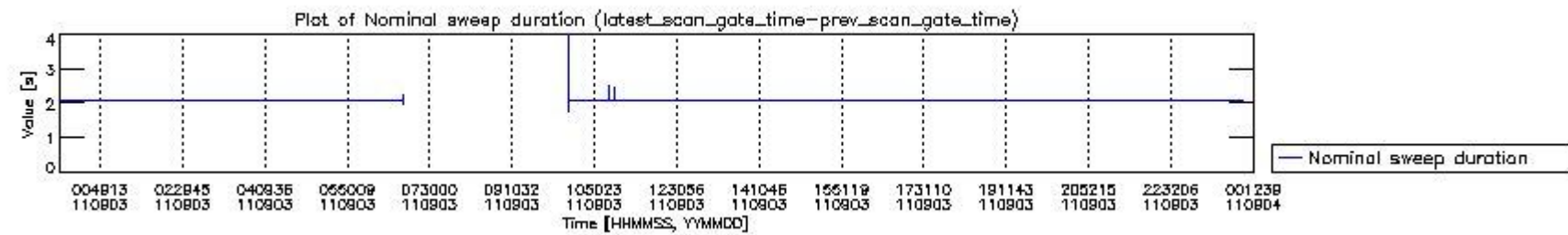
mipas_daily_report_level0_KSPT_L0_4504_N_20110903_1.PNG



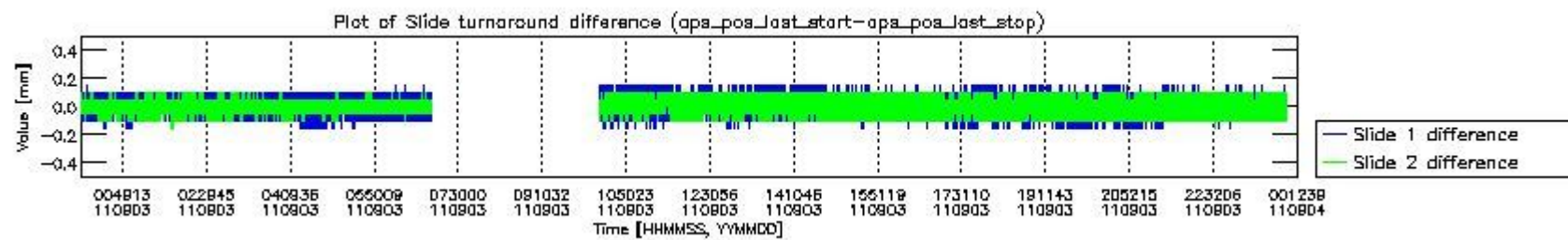
mipas_daily_report_level0_KSPT_L0_4504_N_20110903_2.PNG



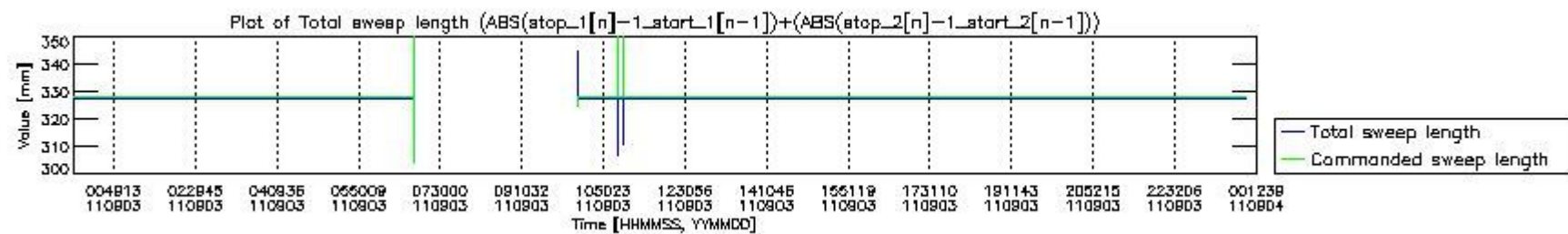
mipas_daily_report_level0_KSPT_L0_4504_N_20110903_3.PNG



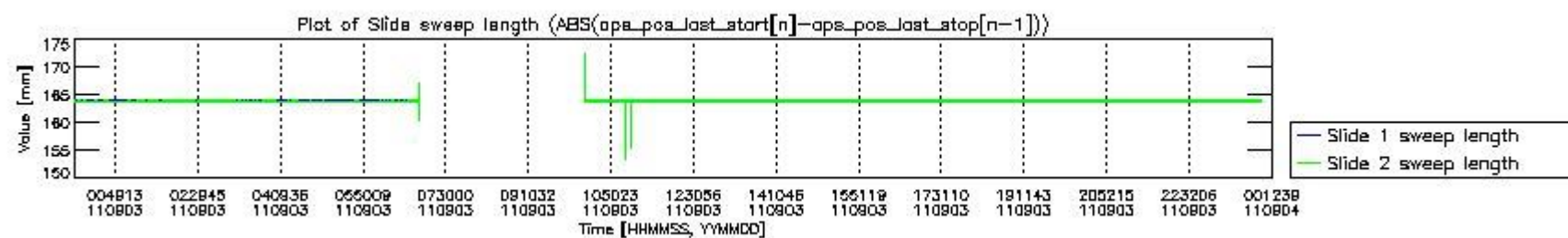
mipas_daily_report_level0_KSPT_L0_4504_N_20110903_4.PNG



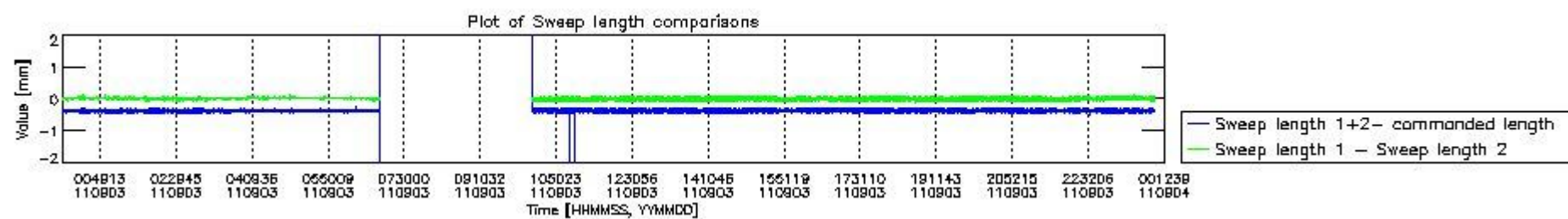
mipas_daily_report_level0_KSPT_L0_4504_N_20110903_5.PNG



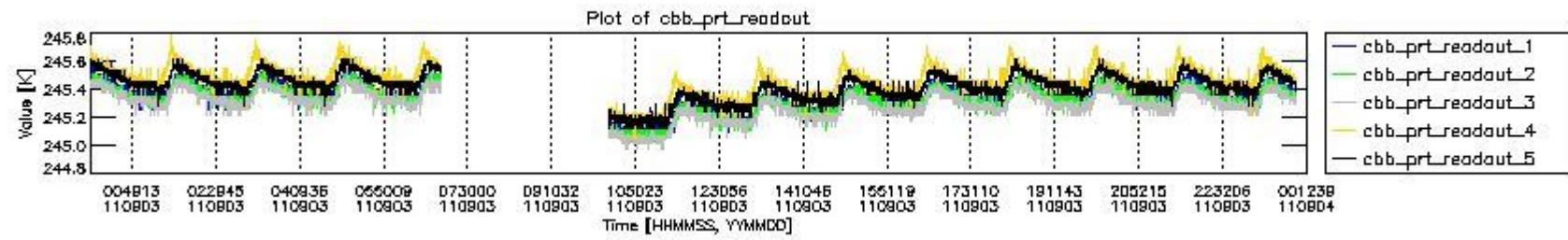
mipas_daily_report_level0_KSPT_L0_4504_N_20110903_6.PNG



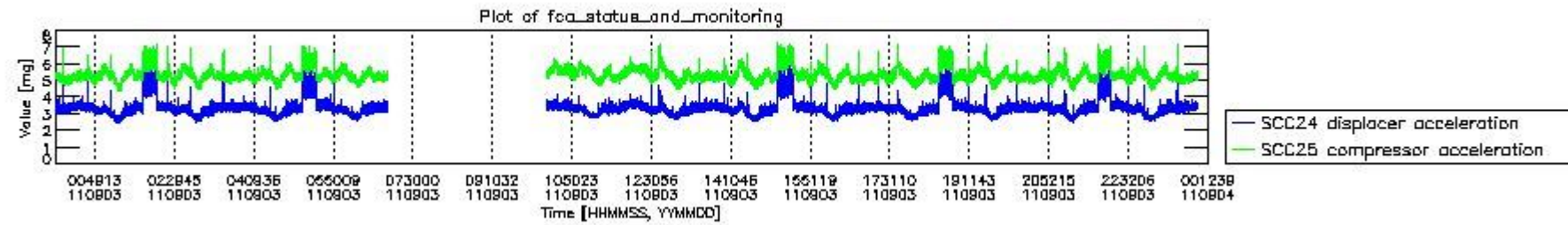
mipas_daily_report_level0_KSPT_L0_4504_N_20110903_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110903_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110903_9.PNG

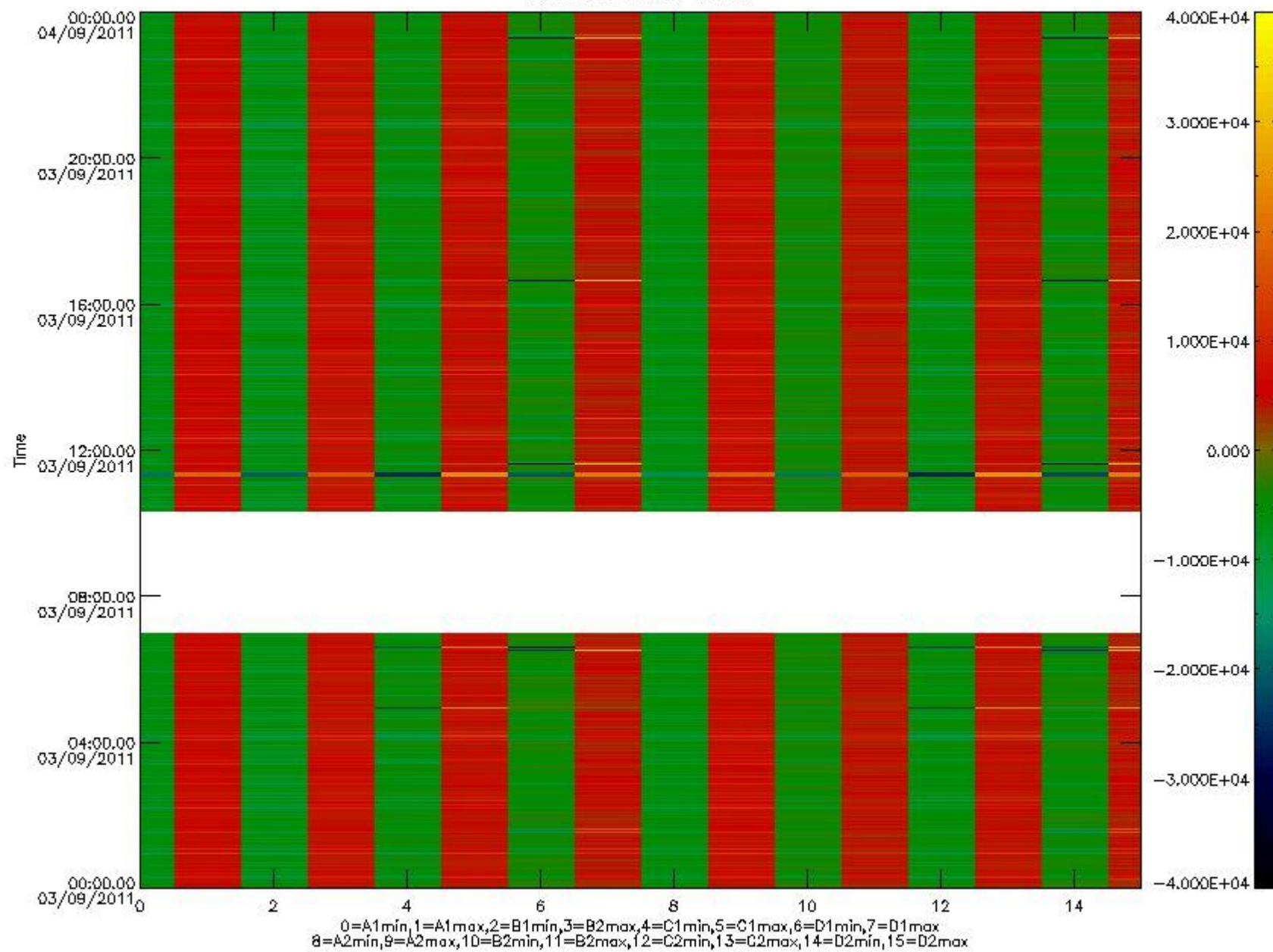


mipas_daily_report_level0_KSPT_L0_4504_N_20110903_10.PNG

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

Channel	Min	Max	ADC
A1	-32768	32767	16bit
B1	-32768	32767	16bit
C1	-27608	27788	16bit
D1	-32768	32767	16bit
A2	-32768	28271	16bit
B2	-32768	32767	16bit
C2	-29009	28933	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_20110903_11.PNG

0.3 ADF monitoring

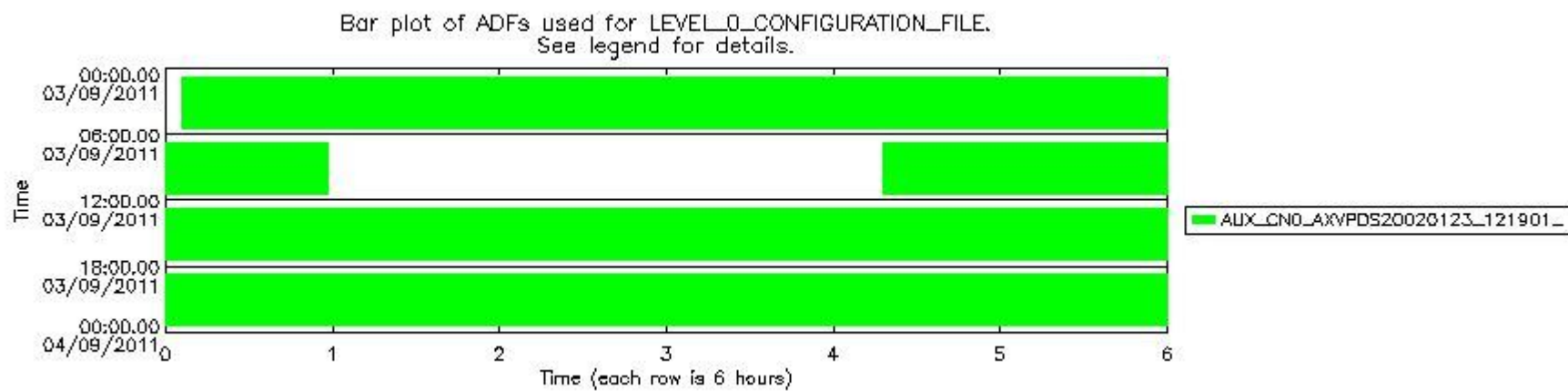
The use of ADFs is shown in two ways:

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.

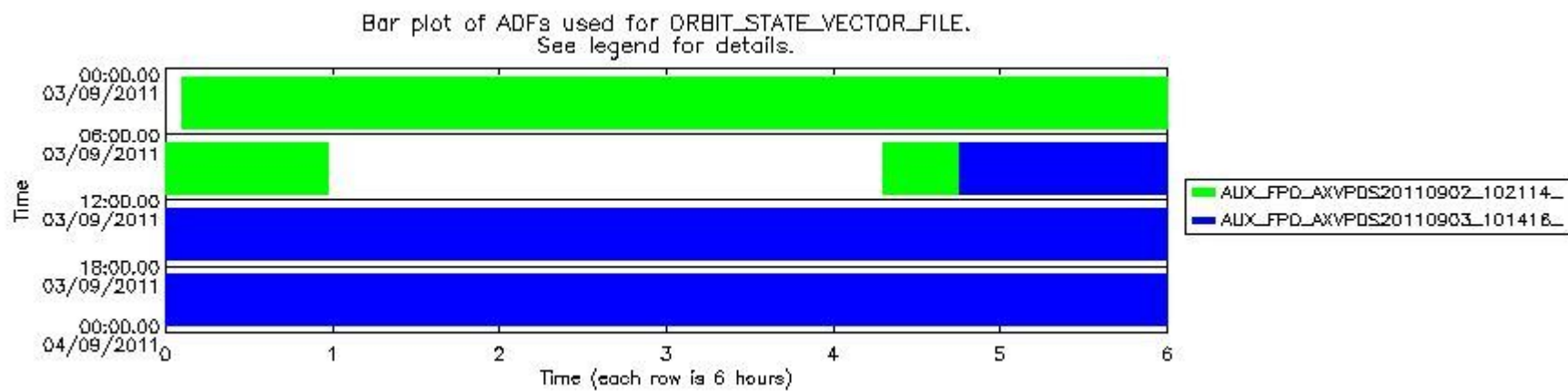
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110902_102114_20110901_195314_20110911_202644
2	AUX_FPO_AXVPDS20110903_101416_20110902_191629_20110912_213013

Number	Product name	#CN0	#FPO
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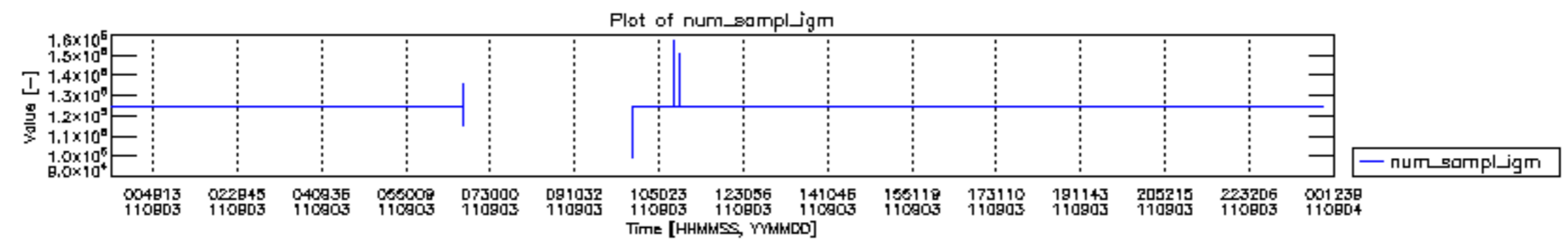
0	MIP_NL__0PNPDE20110903_000558_000058623106_00145_49728_9571.N1	0	1
1	MIP_NL__0PNPDE20110903_014239_000044853106_00146_49729_9572.N1	0	1
2	MIP_NL__0PNPDE20110903_025651_000061083106_00147_49730_9573.N1	0	1
3	MIP_NL__0PNPDE20110903_043805_000060523106_00148_49731_9574.N1	0	1
4	MIP_NL__0PNPDK20110903_061824_000023883106_00149_49732_6219.N1	0	1
5	MIP_NL__0PNPDK20110903_101812_000016923106_00151_49734_6220.N1	0	1
6	MIP_NL__0PNPDK20110903_104538_000060533106_00152_49735_6221.N1	0	2
7	MIP_NL__0PNPDK20110903_122547_000059663106_00153_49736_6222.N1	0	2
8	MIP_NL__0PNPDK20110903_140440_000058413106_00154_49737_6223.N1	0	2
9	MIP_NL__0PNPDK20110903_154027_000059583106_00155_49738_6224.N1	0	2
10	MIP_NL__0PNPDK20110903_171846_000059523106_00156_49739_6225.N1	0	2
11	MIP_NL__0PNPDK20110903_185659_000060373106_00157_49740_6226.N1	0	2
12	MIP_NL__0PNPDE20110903_203602_000043993106_00158_49741_9575.N1	0	2
13	MIP_NL__0PNPDE20110903_214825_000060943106_00158_49741_9576.N1	0	2
14	MIP_NL__0PNPDE20110903_232856_000060753106_00159_49742_9577.N1	0	2

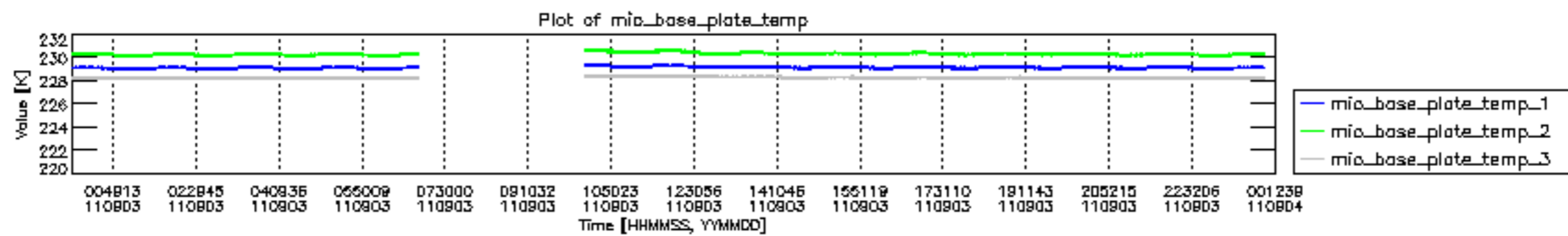


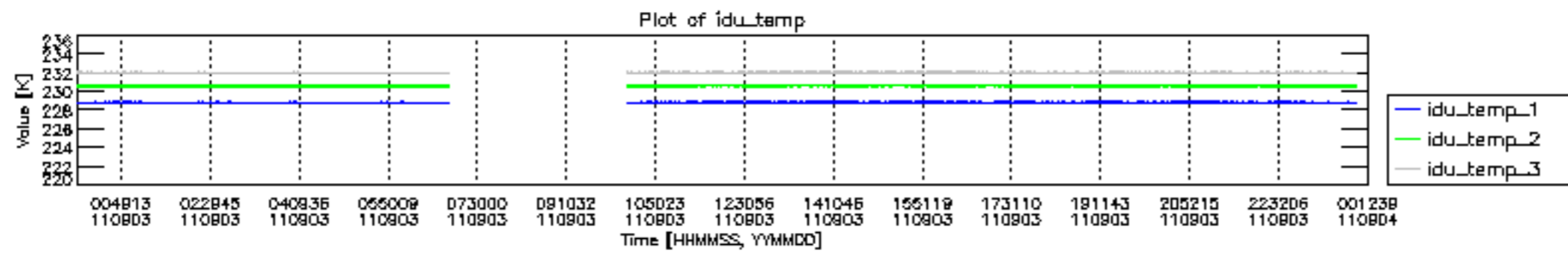
mipas_daily_report_level0_KSPT_L0_4504_N_20110903_12.PNG

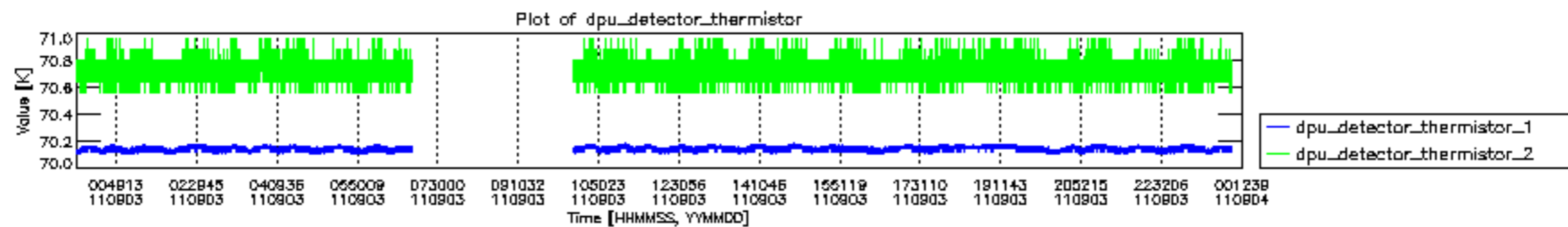


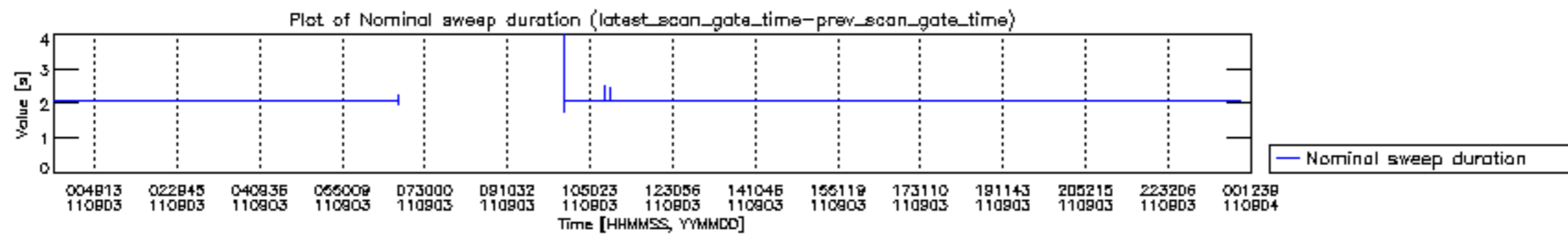
mipas_daily_report_level0_KSPT_L0_4504_N_20110903_13.PNG

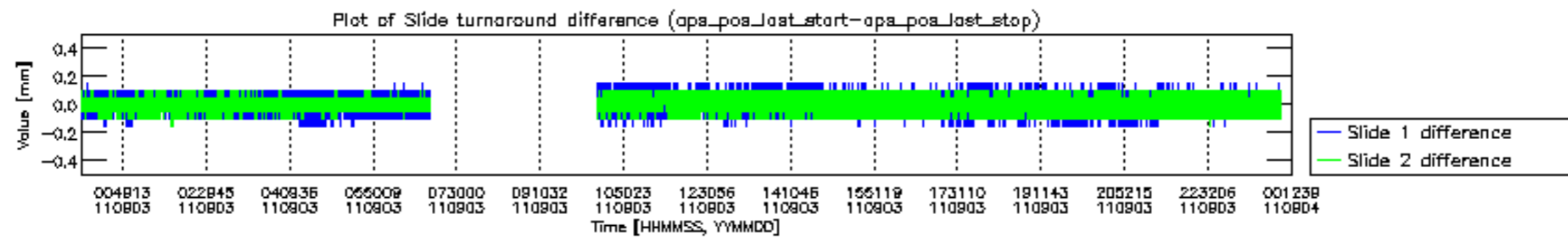


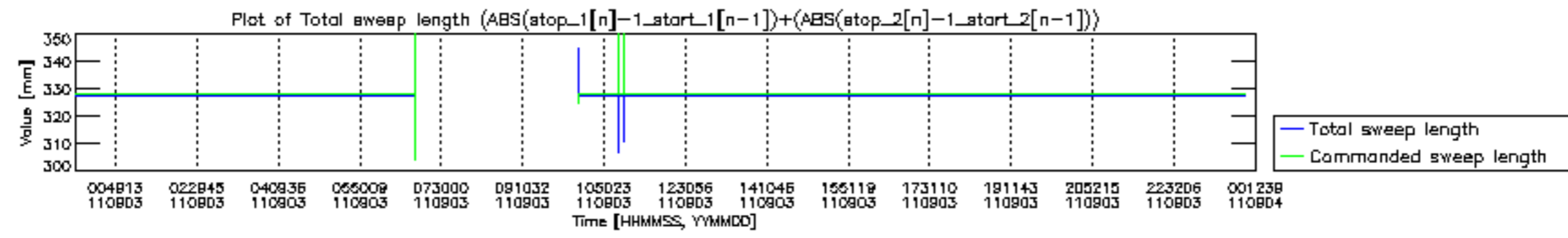


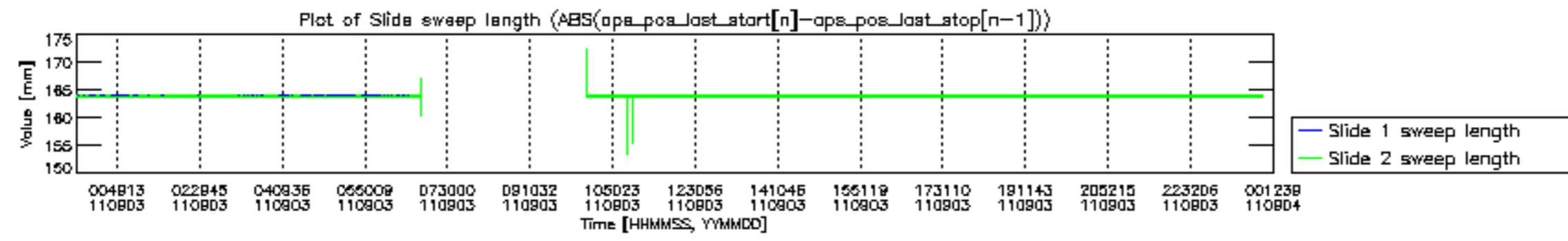


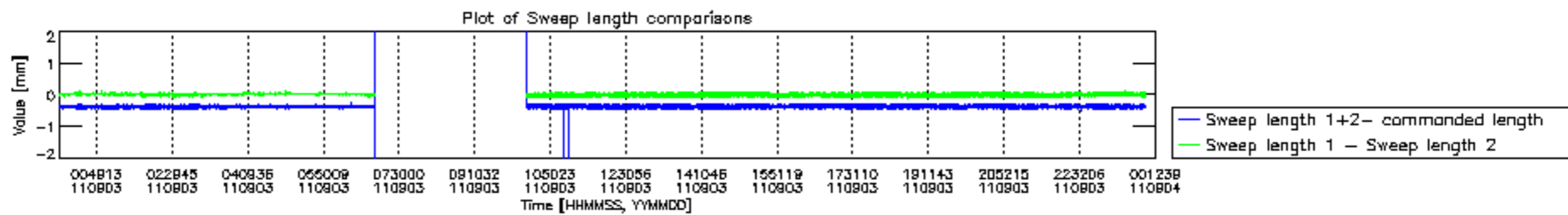


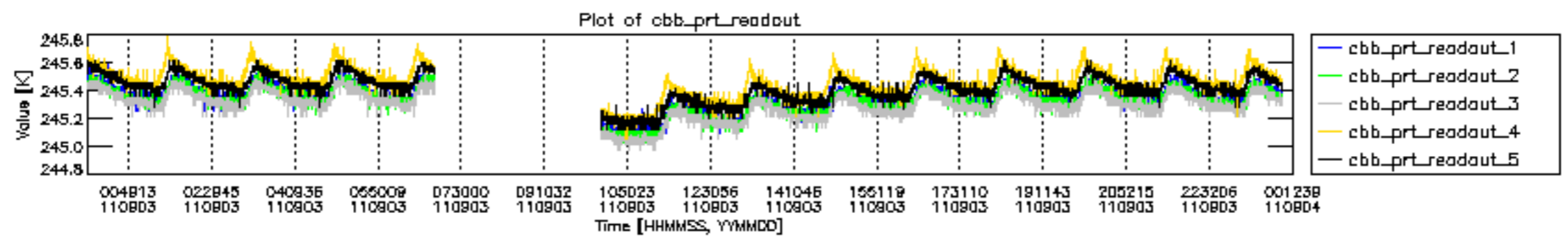


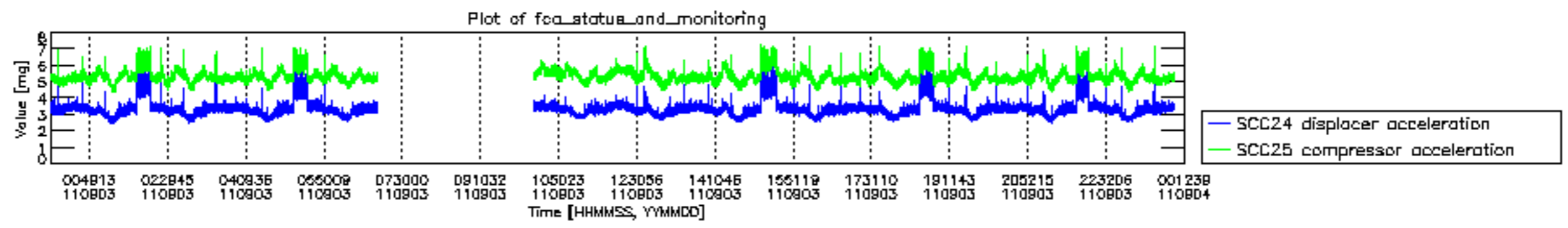




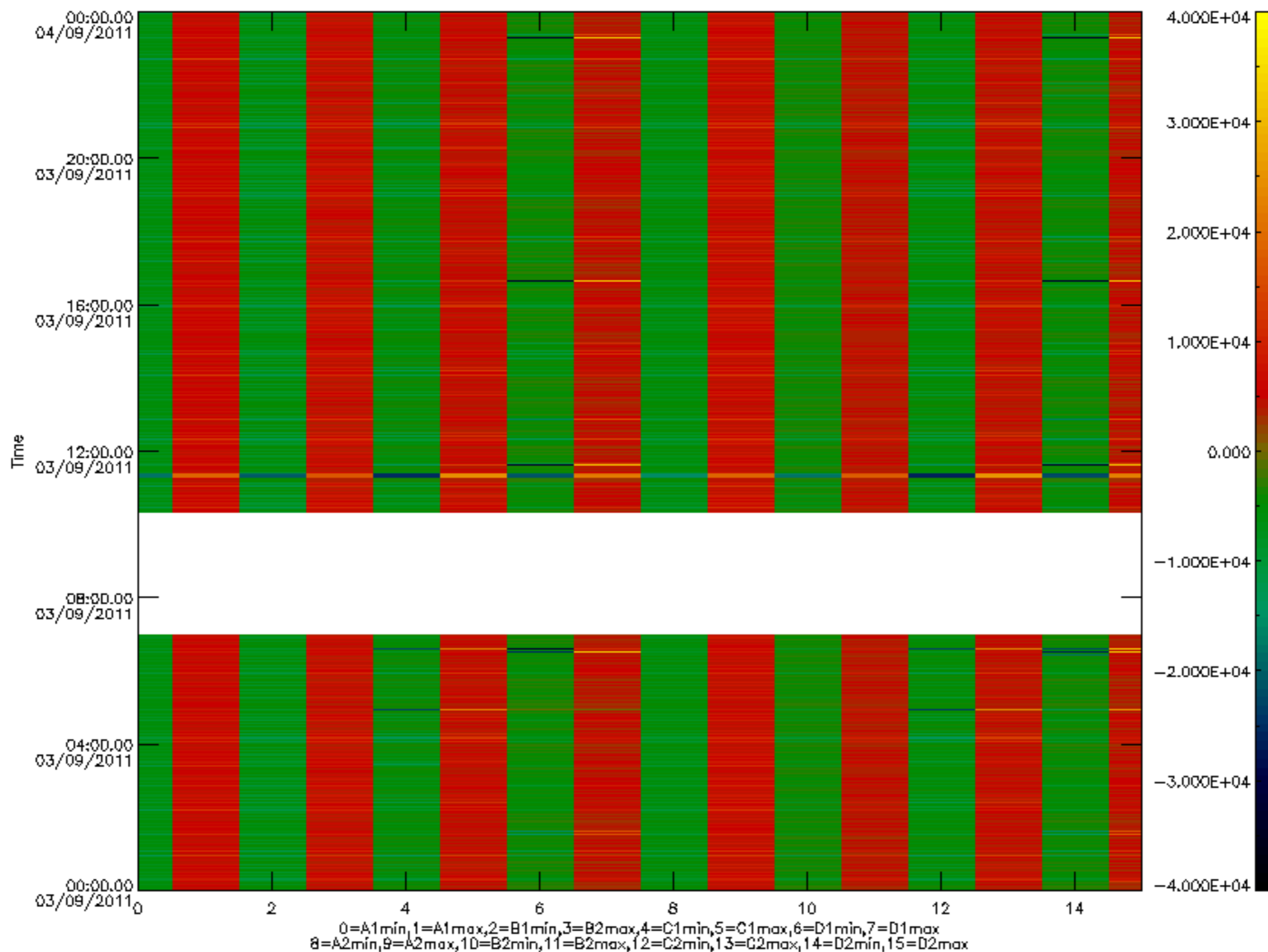


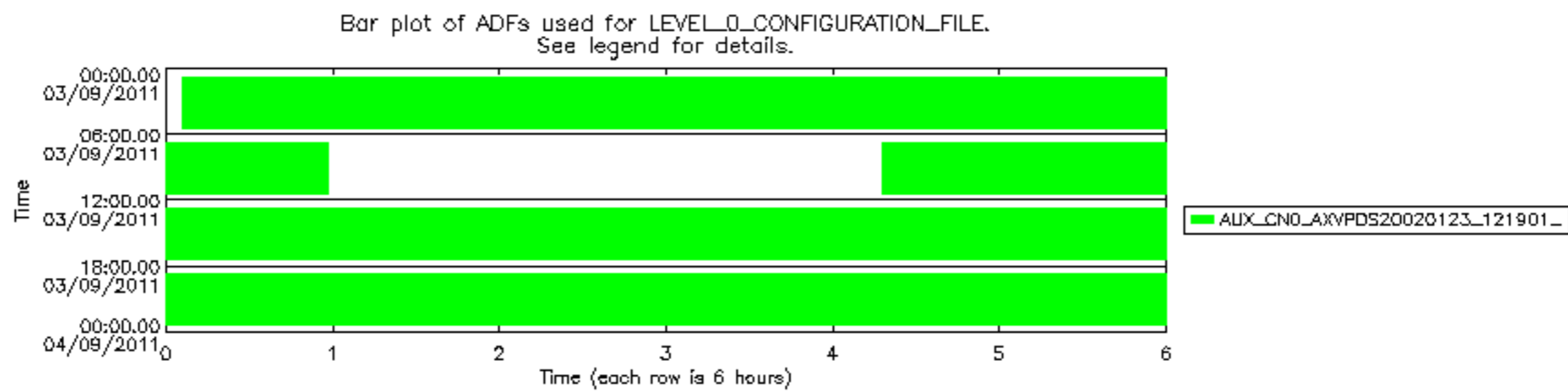






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

