

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	09SEP2011 05:24:49
Data source version	KSPT_L0/4504-N
Processing scope for products	04SEP2011 00:00:00 to 05SEP2011 00:00:00
Start time of first product within scope	04SEP2011 01:09:15
Stop time of last product within scope	05SEP2011 00:34:04
Total number of level 0 products	14
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__0PNPDE20110904_010915_000102153106_00160_49743_9578.N1	04SEP2011 01:09:15	04SEP2011 03:59:30	0	0	0	0	0
1	MIP_NL__0PNPDE20110904_035856_000062383106_00162_49745_9579.N1	04SEP2011 03:58:56	04SEP2011 05:42:54	0	0	0	0	0
2	MIP_NL__0PNPDE20110904_054221_000060923106_00163_49746_9580.N1	04SEP2011 05:42:21	04SEP2011 07:23:52	0	0	0	0	0
3	MIP_NL__0PNPDK20110904_072319_000039423106_00164_49747_6227.N1	04SEP2011 07:23:19	04SEP2011 08:29:01	0	0	0	0	0
4	MIP_NL__0PNPDK20110904_082827_000061963106_00165_49748_6228.N1	04SEP2011 08:28:27	04SEP2011 10:11:43	0	0	0	0	0
5	MIP_NL__0PNPDK20110904_101059_000059613106_00166_49749_6229.N1	04SEP2011 10:10:59	04SEP2011 11:50:20	0	0	0	0	0
6	MIP_NL__0PNPDK20110904_114936_000059353106_00167_49750_6230.N1	04SEP2011 11:49:36	04SEP2011 13:28:31	0	0	0	0	0
7	MIP_NL__0PNPDK20110904_132757_000059703106_00168_49751_6231.N1	04SEP2011 13:27:57	04SEP2011 15:07:28	0	0	0	0	0
8	MIP_NL__0PNPDK20110904_150644_000058223106_00169_49752_6232.N1	04SEP2011 15:06:44	04SEP2011 16:43:46	0	0	0	0	0
9	MIP_NL__0PNPDK20110904_164243_000059013106_00170_49753_6233.N1	04SEP2011 16:42:43	04SEP2011 18:21:05	0	0	0	0	0
10	MIP_NL__0PNPDK20110904_182006_000060333106_00171_49754_6234.N1	04SEP2011 18:20:06	04SEP2011 20:00:39	0	0	0	0	0
11	MIP_NL__0PNPDE20110904_195903_000040843106_00172_49755_9581.N1	04SEP2011 19:59:03	04SEP2011 21:07:07	0	0	0	0	0
12	MIP_NL__0PNPDE20110904_210506_000064493106_00172_49755_9582.N1	04SEP2011 21:05:06	04SEP2011 22:52:35	0	0	0	0	0
13	MIP_NL__0PNPDE20110904_225130_000061543106_00173_49756_9583.N1	04SEP2011 22:51:30	05SEP2011 00:34:04	0	0	0	0	0

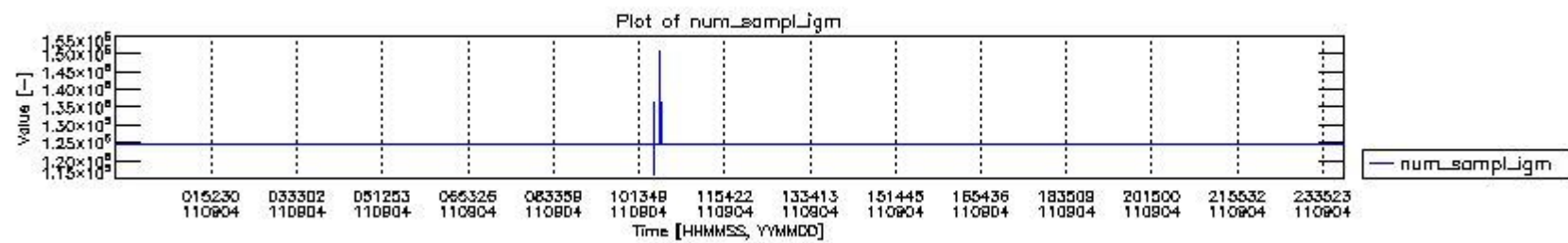
0.2 Instrument Operational Performance Parameters

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.

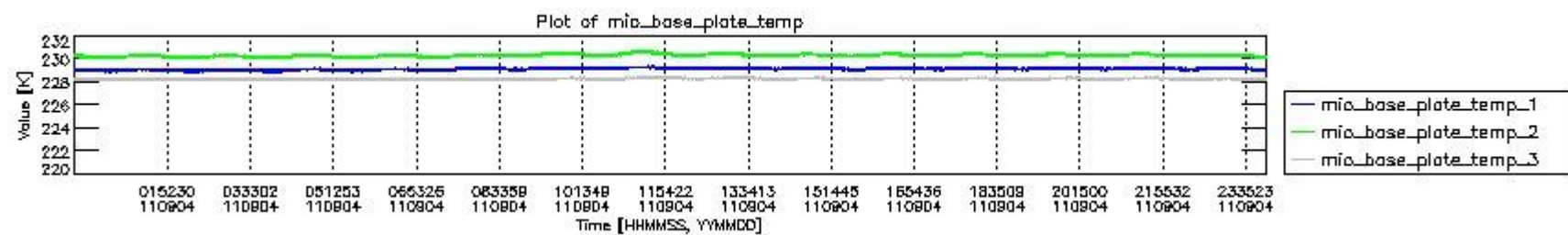
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
116082	1	0.0024140012
124800	38480	92.890766
124803	2939	7.0947495
127496	1	0.0024140012

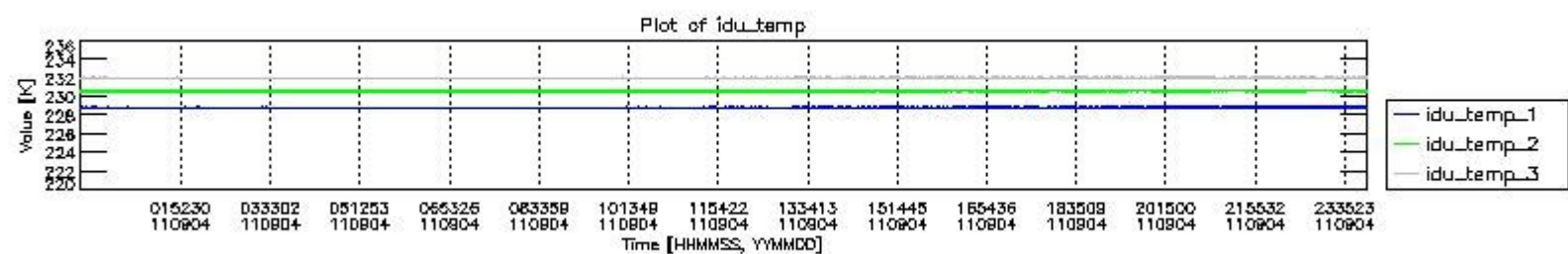
127754	1	0.0024140012
136214	1	0.0024140012
147886	1	0.0024140012
150840	1	0.0024140012



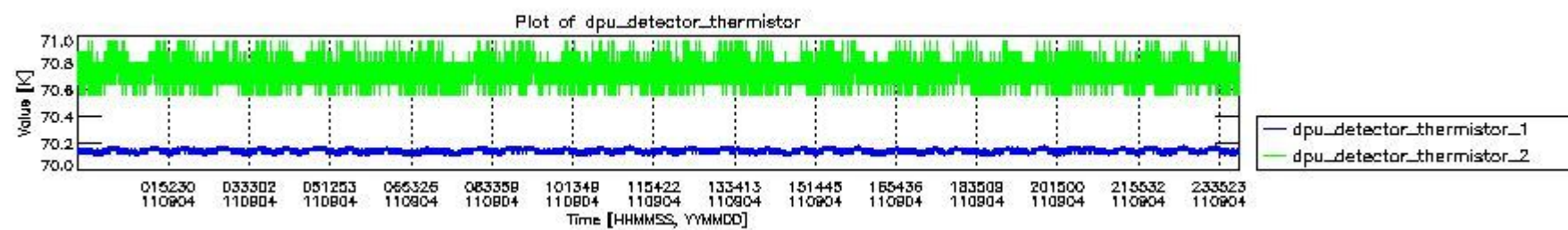
mipas_daily_report_level0_KSPT_L0_4504_N_20110904_0.PNG



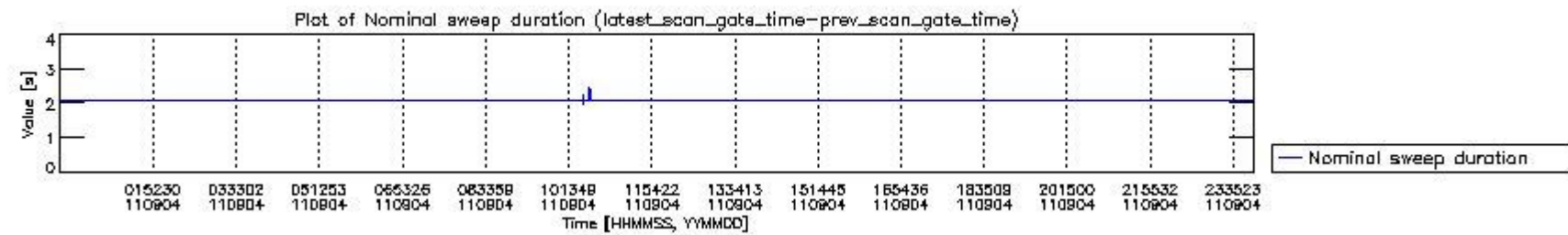
mipas_daily_report_level0_KSPT_L0_4504_N_20110904_1.PNG



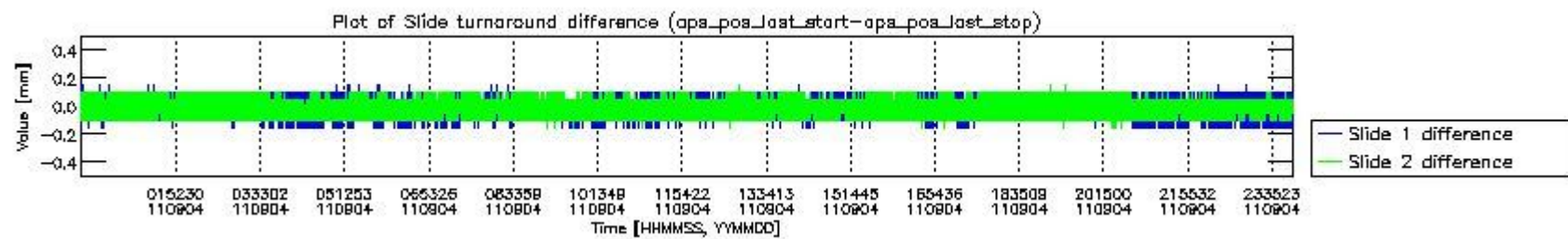
mipas_daily_report_level0_KSPT_L0_4504_N_20110904_2.PNG



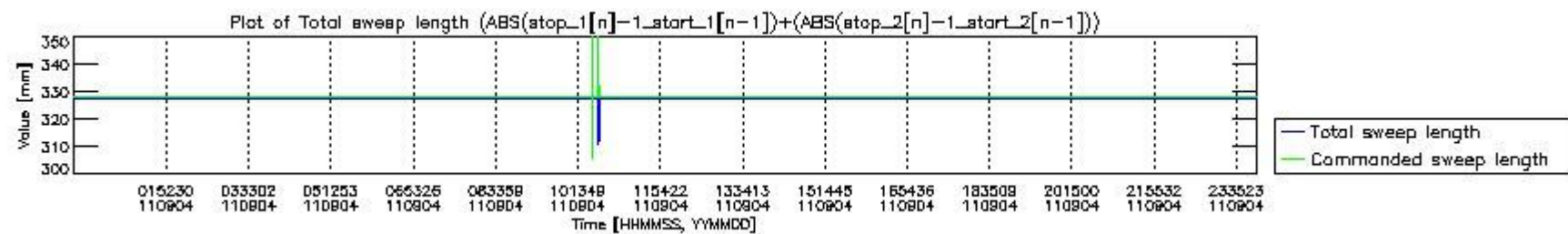
mipas_daily_report_level0_KSPT_L0_4504_N_20110904_3.PNG



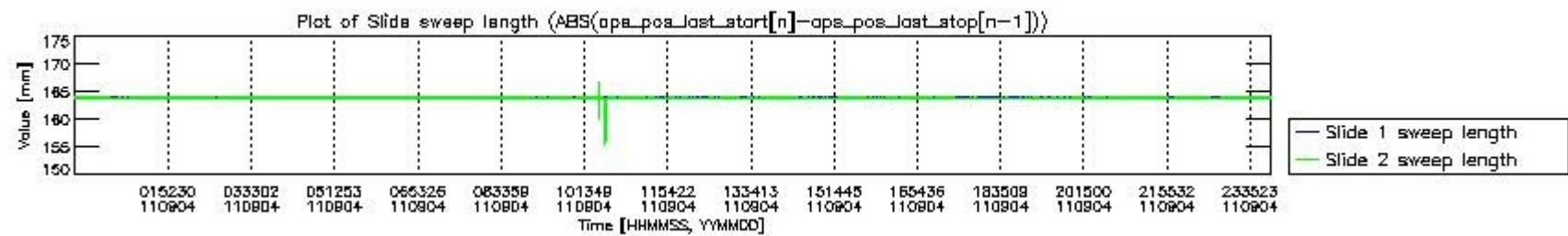
mipas_daily_report_level0_KSPT_L0_4504_N_20110904_4.PNG



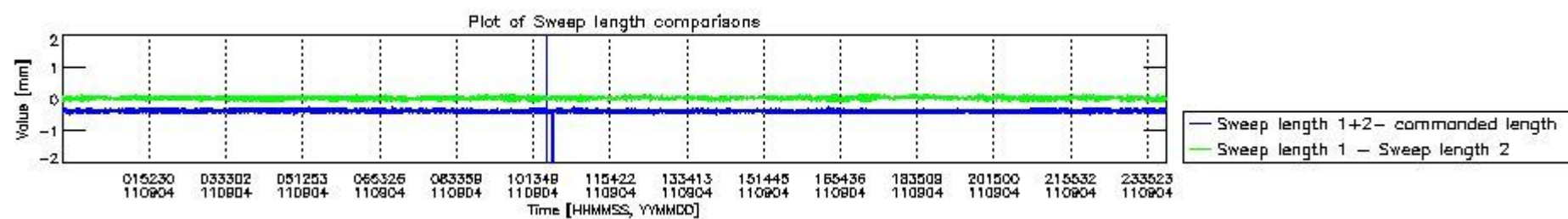
mipas_daily_report_level0_KSPT_L0_4504_N_20110904_5.PNG



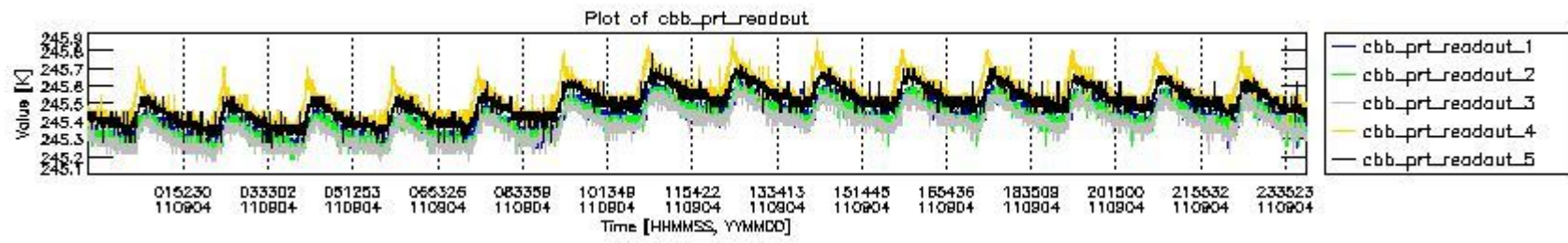
mipas_daily_report_level0_KSPT_L0_4504_N_20110904_6.PNG



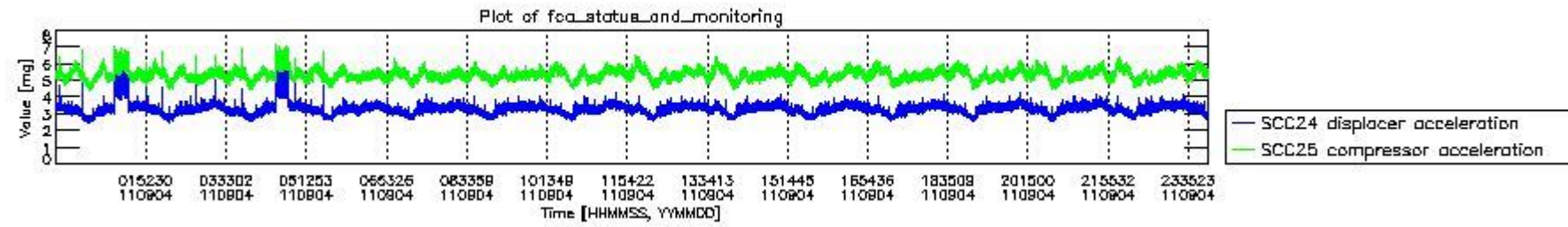
mipas_daily_report_level0_KSPT_L0_4504_N_20110904_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110904_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110904_9.PNG

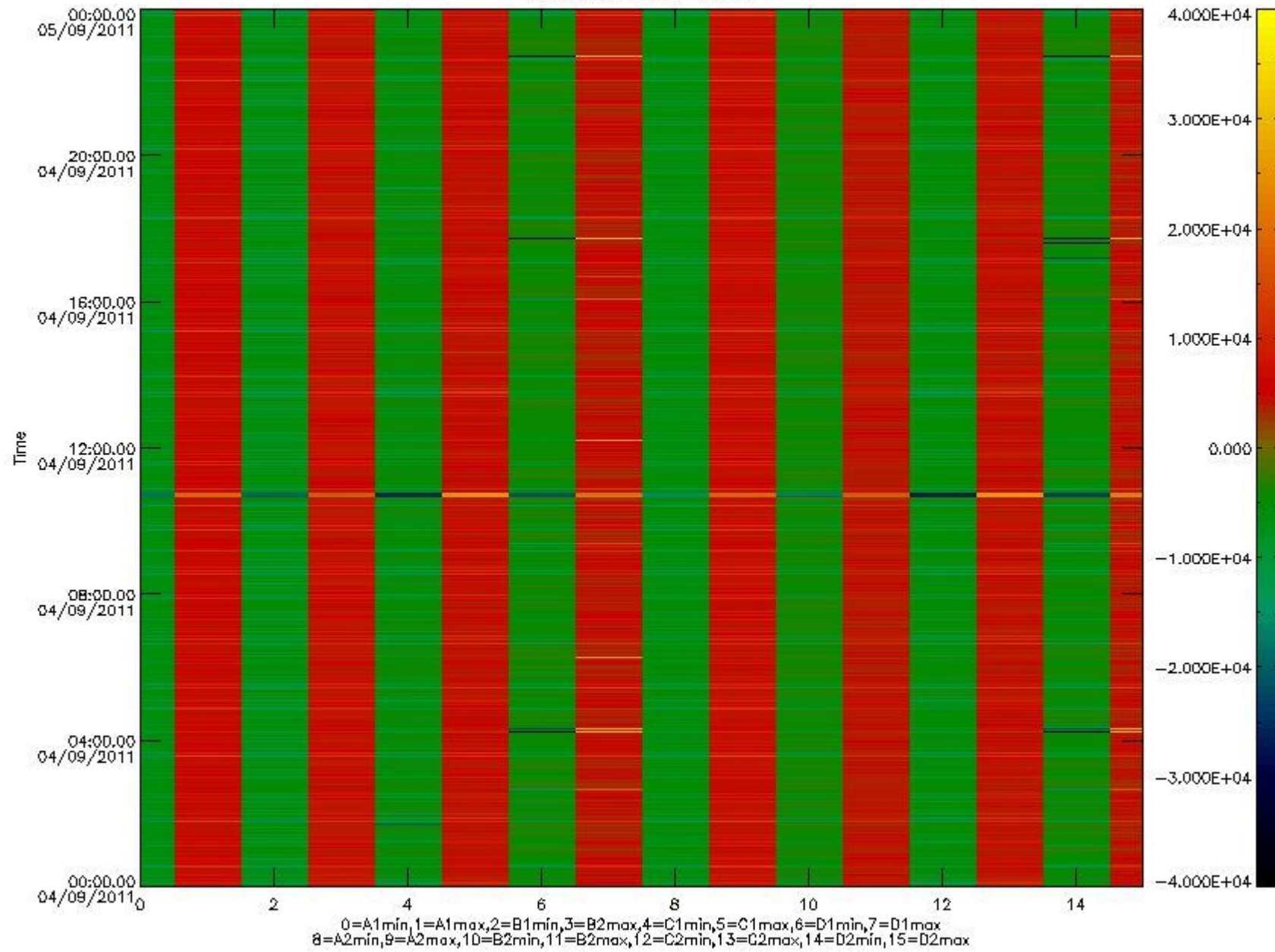


mipas_daily_report_level0_KSPT_L0_4504_N_20110904_10.PNG

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

Channel	Min	Max	ADC
A1	-18103	19151	16bit
B1	-20472	17639	16bit
C1	-25564	25499	16bit
D1	-32768	32767	16bit
A2	-15726	19376	16bit
B2	-18728	18409	16bit
C2	-26659	26275	16bit
D2	-32768	32767	16bit

MIPNL0P_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110904_11.PNG

0.3 ADF monitoring

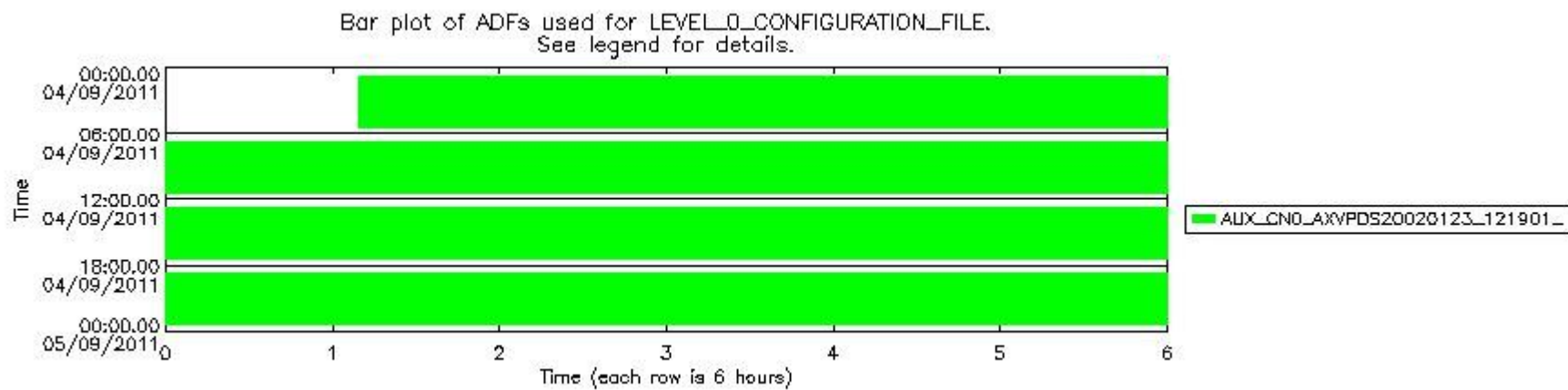
The use of ADFs is shown in two ways:

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.

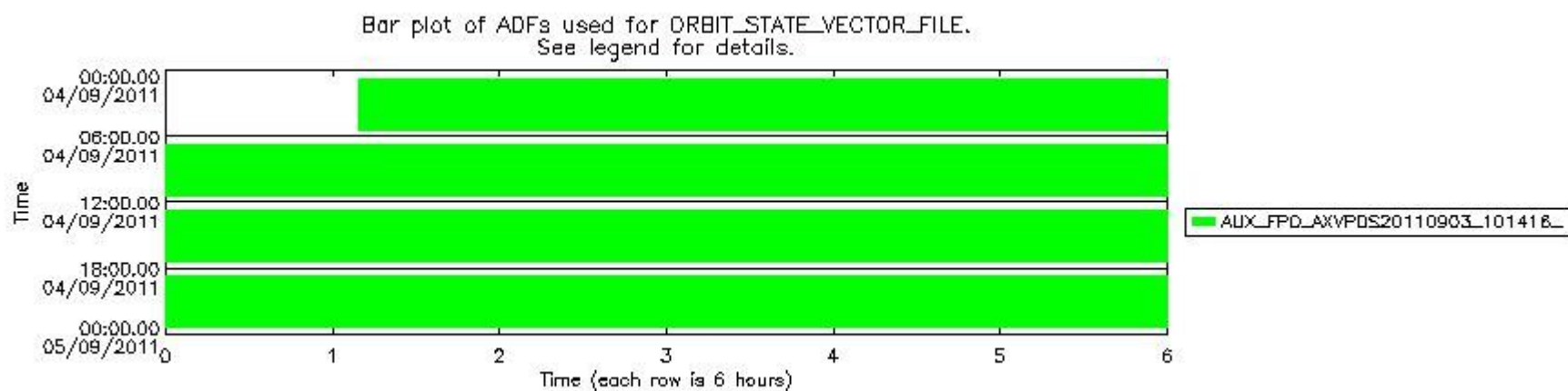
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110903_101416_20110902_191629_20110912_213013

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110904_010915_000102153106_00160_49743_9578.N1	0	1

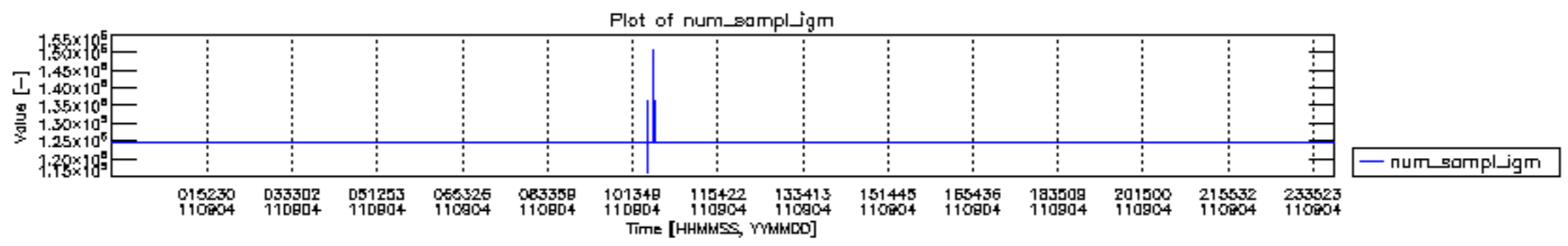
1	MIP_NL__0PNPDE20110904_035856_000062383106_00162_49745_9579.N1	0	1
2	MIP_NL__0PNPDE20110904_054221_000060923106_00163_49746_9580.N1	0	1
3	MIP_NL__0PNPDK20110904_072319_000039423106_00164_49747_6227.N1	0	1
4	MIP_NL__0PNPDK20110904_082827_000061963106_00165_49748_6228.N1	0	1
5	MIP_NL__0PNPDK20110904_101059_000059613106_00166_49749_6229.N1	0	1
6	MIP_NL__0PNPDK20110904_114936_000059353106_00167_49750_6230.N1	0	1
7	MIP_NL__0PNPDK20110904_132757_000059703106_00168_49751_6231.N1	0	1
8	MIP_NL__0PNPDK20110904_150644_000058223106_00169_49752_6232.N1	0	1
9	MIP_NL__0PNPDK20110904_164243_000059013106_00170_49753_6233.N1	0	1
10	MIP_NL__0PNPDK20110904_182006_000060333106_00171_49754_6234.N1	0	1
11	MIP_NL__0PNPDE20110904_195903_000040843106_00172_49755_9581.N1	0	1
12	MIP_NL__0PNPDE20110904_210506_000064493106_00172_49755_9582.N1	0	1
13	MIP_NL__0PNPDE20110904_225130_000061543106_00173_49756_9583.N1	0	1

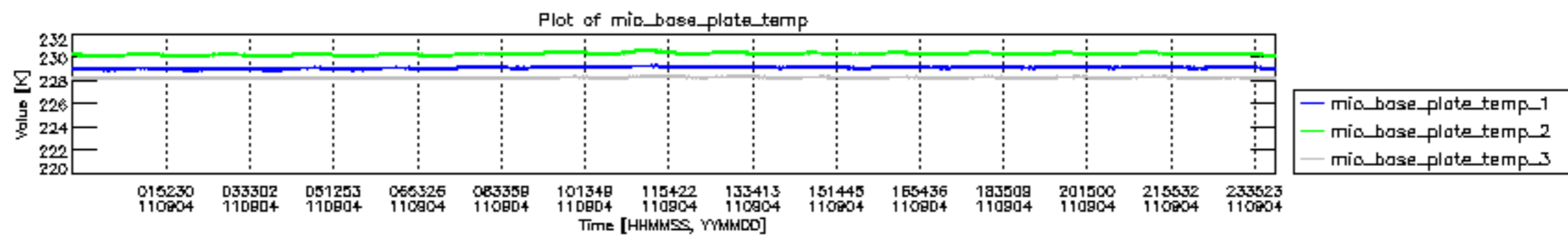


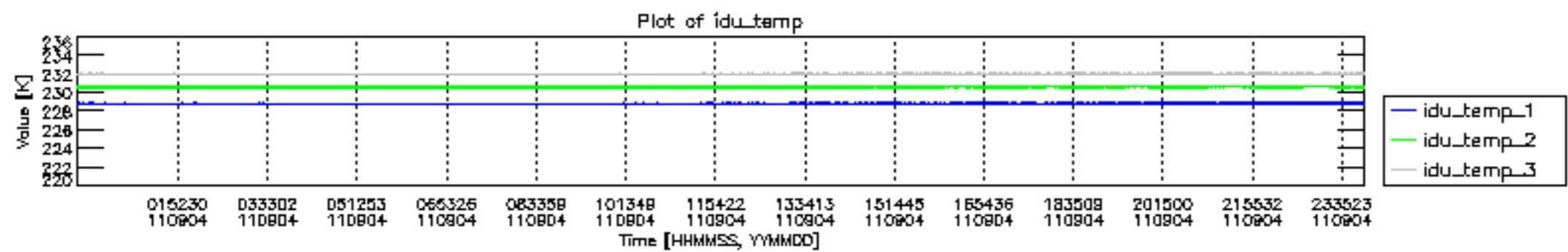
mipas_daily_report_level0_KSPT_L0_4504_N_20110904_12.PNG

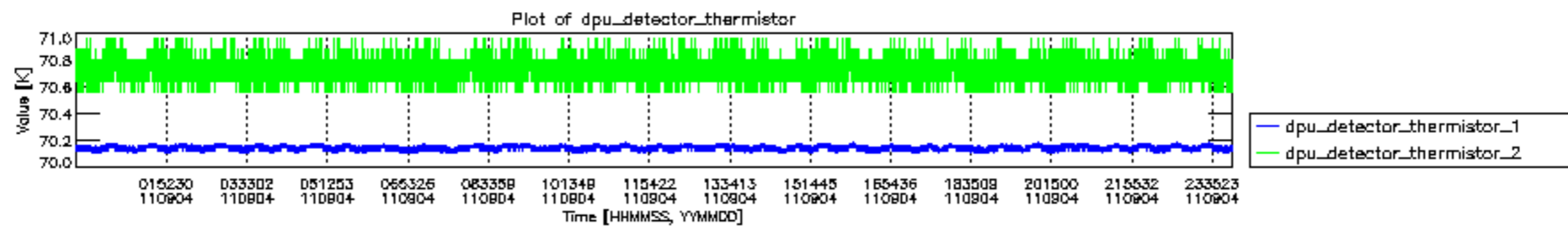


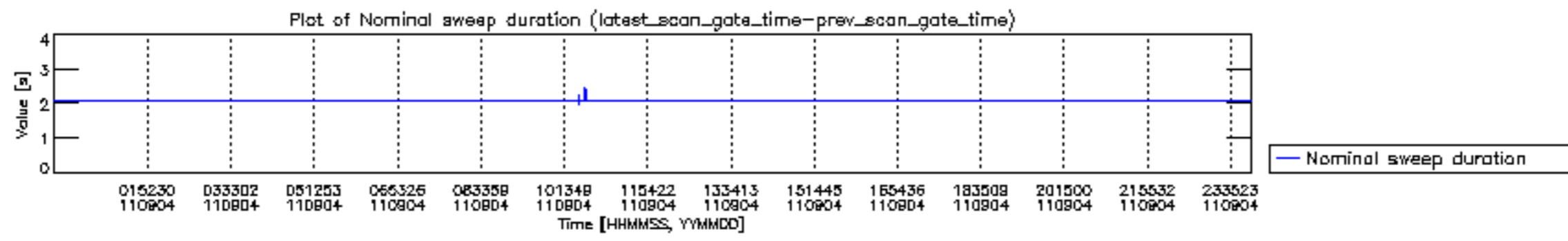
mipas_daily_report_level0_KSPT_L0_4504_N_20110904_13.PNG

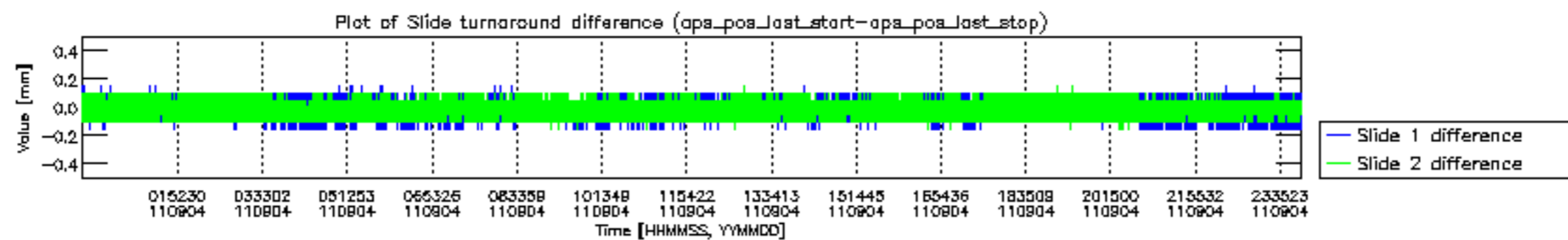


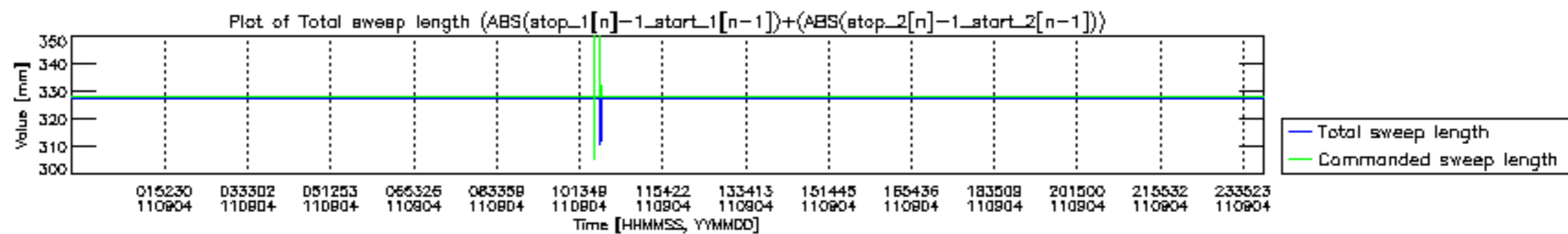


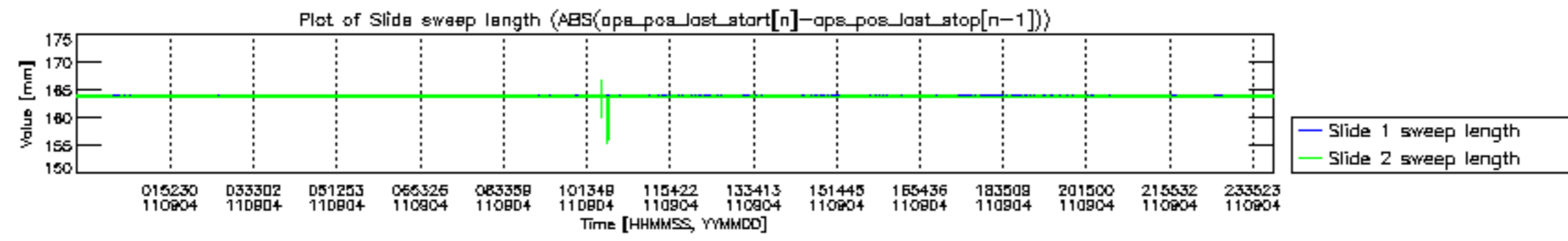


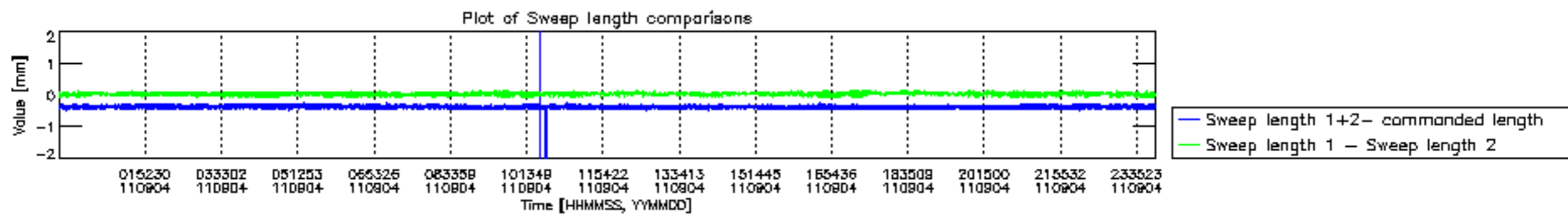


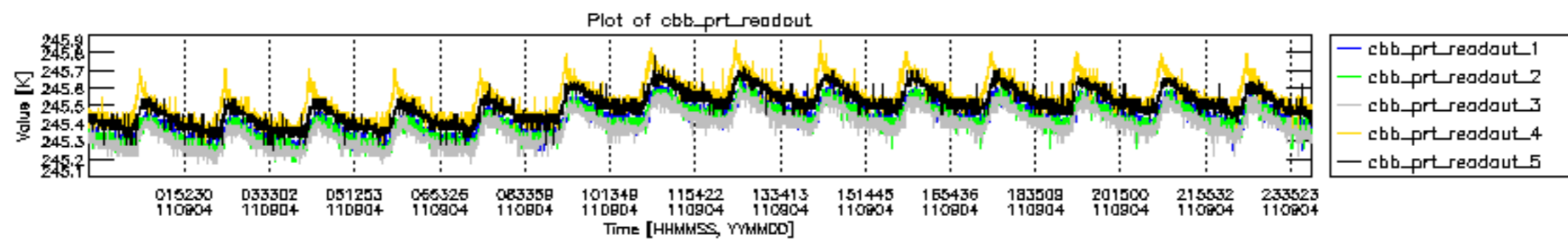


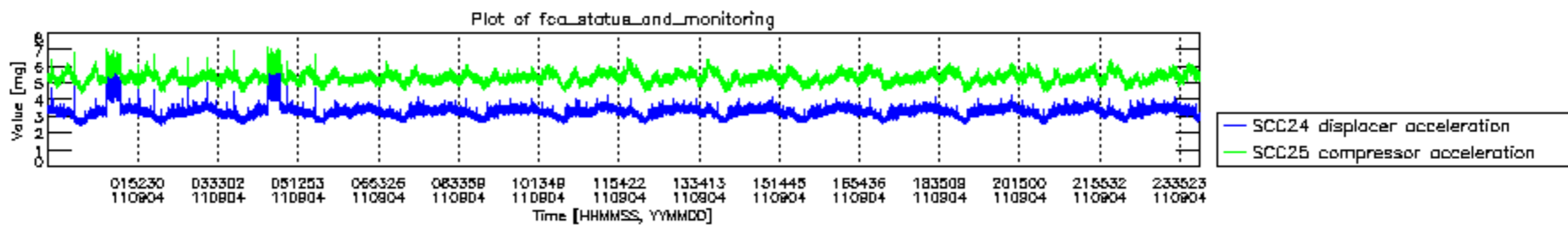












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

