

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	05AUG2011 05:25:47
Data source version	KSPT_L0/4504-N
Processing scope for products	02AUG2011 00:00:00 to 03AUG2011 00:00:00
Start time of first product within scope	02AUG2011 07:34:50
Stop time of last product within scope	03AUG2011 00:42:25
Total number of level 0 products	9
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.

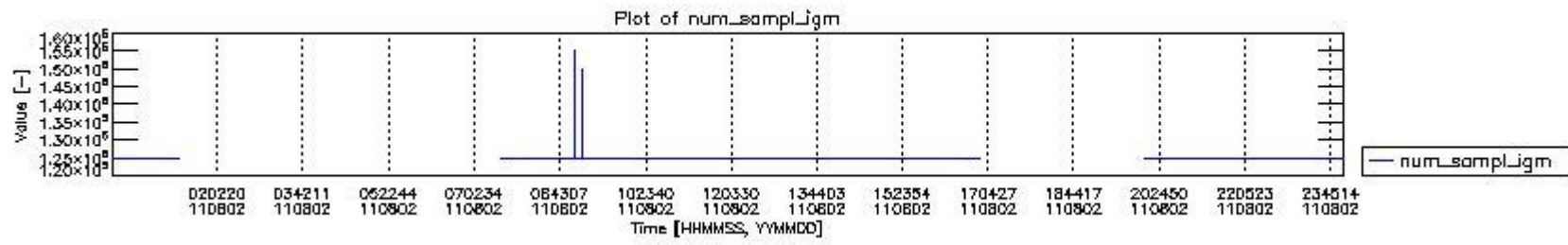
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDK20110802_073450_000038363105_00121_49273_5936.N1	02AUG2011 07:34:50	02AUG2011 08:38:46	0	0	0	0	0
1	MIP_NL__0PNPDK20110802_083814_000061643105_00122_49274_5937.N1	02AUG2011 08:38:14	02AUG2011 10:20:58	0	0	0	0	0
2	MIP_NL__0PNPDK20110802_102015_000059703105_00123_49275_5938.N1	02AUG2011 10:20:15	02AUG2011 11:59:45	0	0	0	0	0
3	MIP_NL__0PNPDK20110802_115901_000059663105_00124_49276_5939.N1	02AUG2011 11:59:01	02AUG2011 13:38:27	0	0	0	0	0
4	MIP_NL__0PNPDK20110802_133756_000058663105_00125_49277_5940.N1	02AUG2011 13:37:56	02AUG2011 15:15:42	0	0	0	0	0
5	MIP_NL__0PNPDK20110802_151458_000059413105_00126_49278_5941.N1	02AUG2011 15:14:58	02AUG2011 16:54:00	0	0	0	0	0
6	MIP_NL__0PNPDE20110802_200647_000044543105_00129_49281_9360.N1	02AUG2011 20:06:47	02AUG2011 21:21:00	0	0	0	0	0
7	MIP_NL__0PNPDE20110802_211928_000062273105_00129_49281_9361.N1	02AUG2011 21:19:28	02AUG2011 23:03:16	0	0	0	0	0
8	MIP_NL__0PNPDE20110802_230215_000060103105_00130_49282_9362.N1	02AUG2011 23:02:15	03AUG2011 00:42:25	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

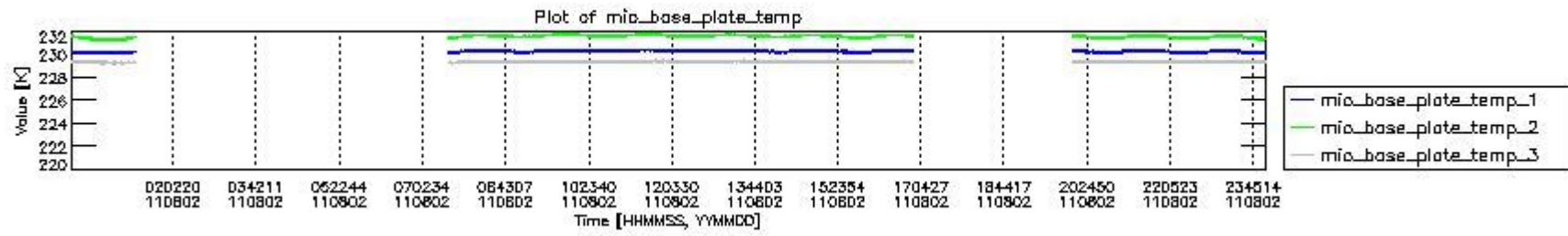
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

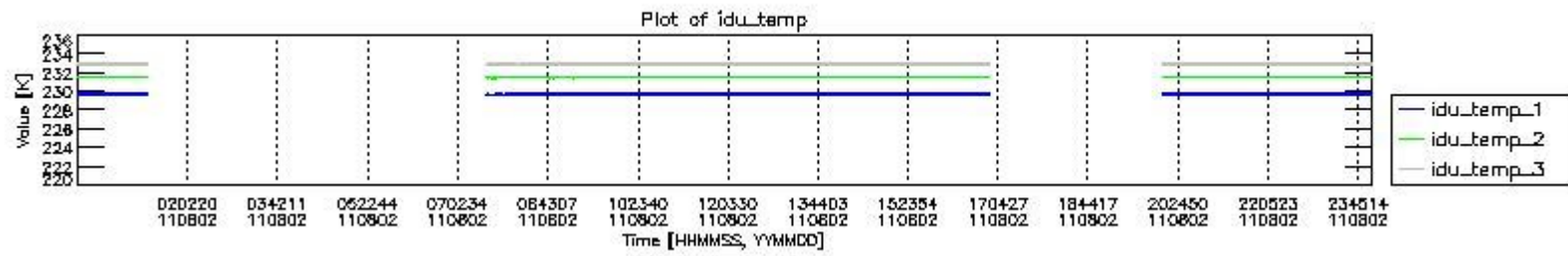
Number of igm samples	Count [#]	Count [%]
124800	23360	92.967724
124803	1761	7.0083973
127233	1	0.0039797827
129984	1	0.0039797827
147365	1	0.0039797827
149798	1	0.0039797827
150116	1	0.0039797827
155300	1	0.0039797827



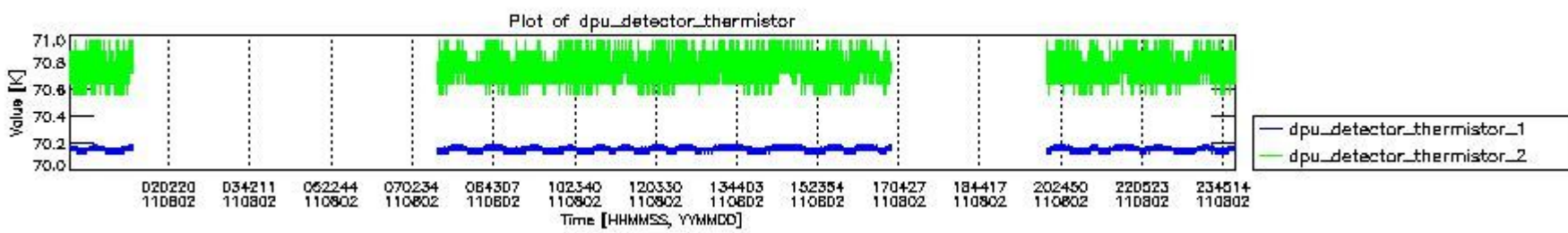
mipas_daily_report_level0_KSPT_L0_4504_N_20110802_0.PNG



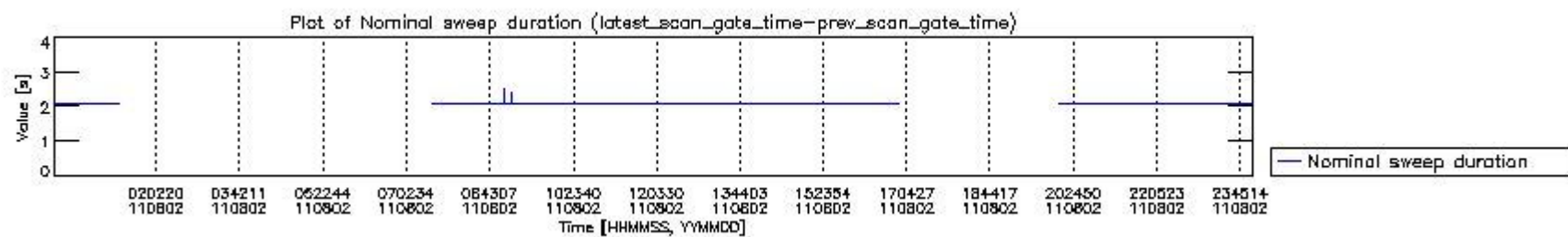
mipas_daily_report_level0_KSPT_L0_4504_N_20110802_1.PNG



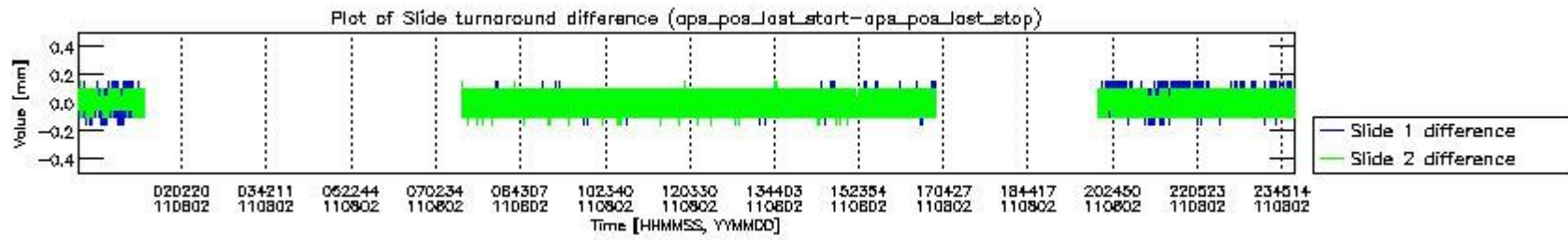
mipas_daily_report_level0_KSPT_L0_4504_N_20110802_2.PNG



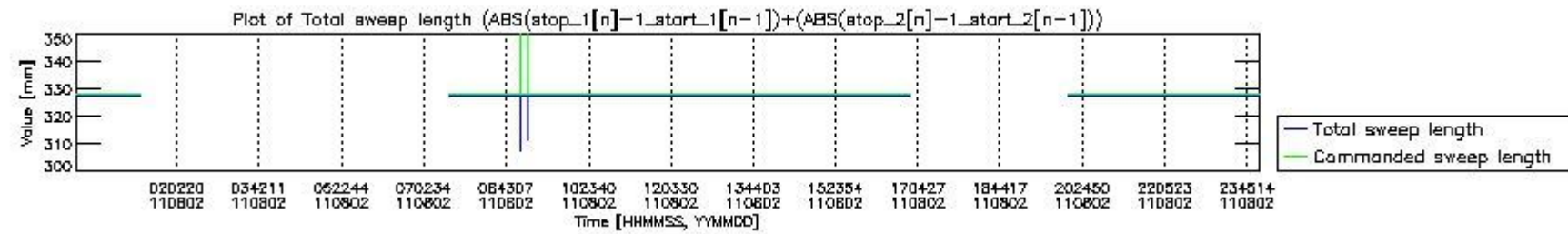
mipas_daily_report_level0_KSPT_L0_4504_N_20110802_3.PNG



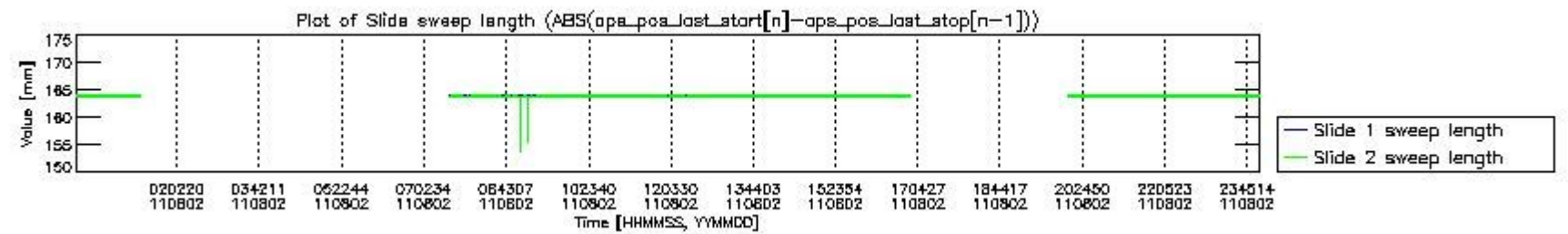
mipas_daily_report_level0_KSPT_L0_4504_N_20110802_4.PNG



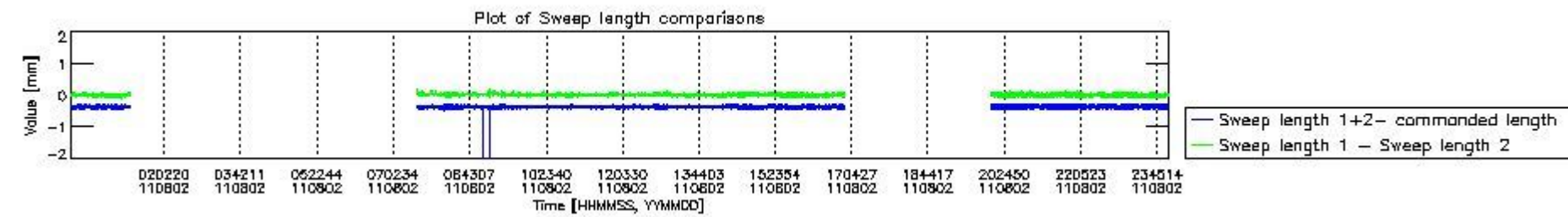
mipas_daily_report_level0_KSPT_L0_4504_N_20110802_5.PNG



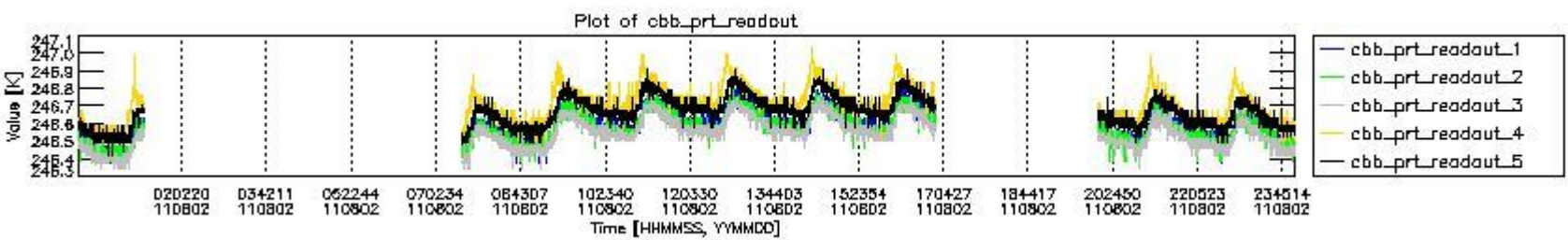
mipas_daily_report_level0_KSPT_L0_4504_N_20110802_6.PNG



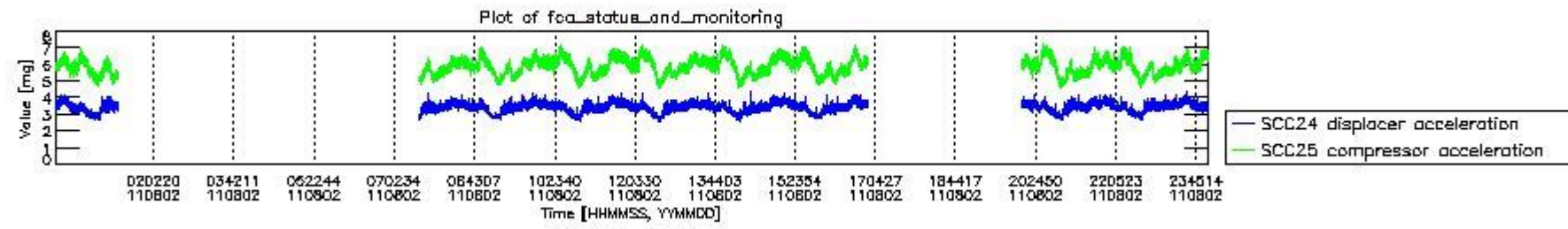
mipas_daily_report_level0_KSPT_L0_4504_N_20110802_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110802_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110802_9.PNG

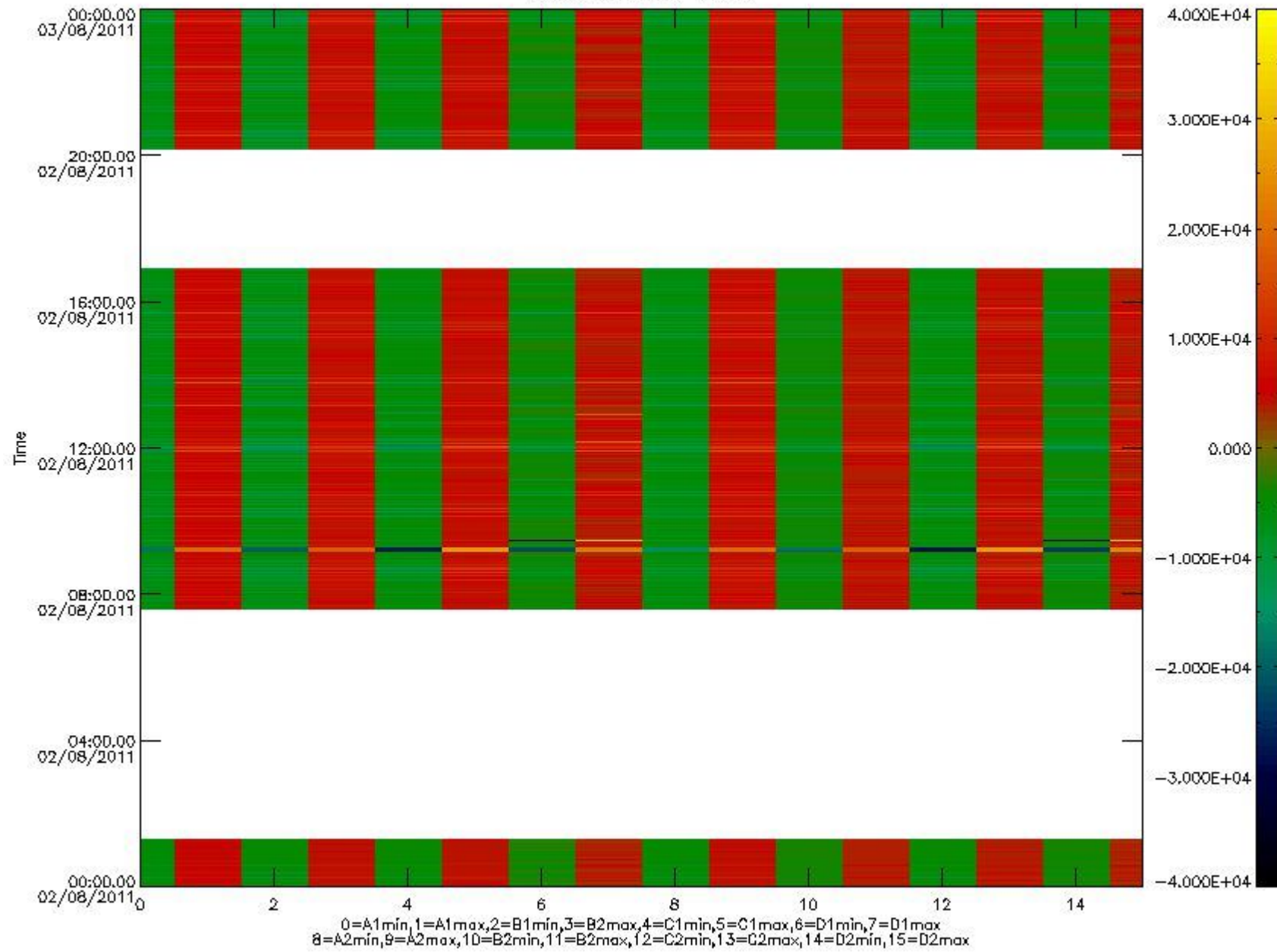


mipas_daily_report_level0_KSPT_L0_4504_N_20110802_10.PNG

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

Channel	Min	Max	ADC
A1	-18527	19649	16bit
B1	-21155	18174	16bit
C1	-26810	26627	16bit
D1	-32768	32767	16bit
A2	-16048	19850	16bit
B2	-19458	19055	16bit
C2	-27882	27435	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_20110802_11.PNG

0.3 ADF monitoring

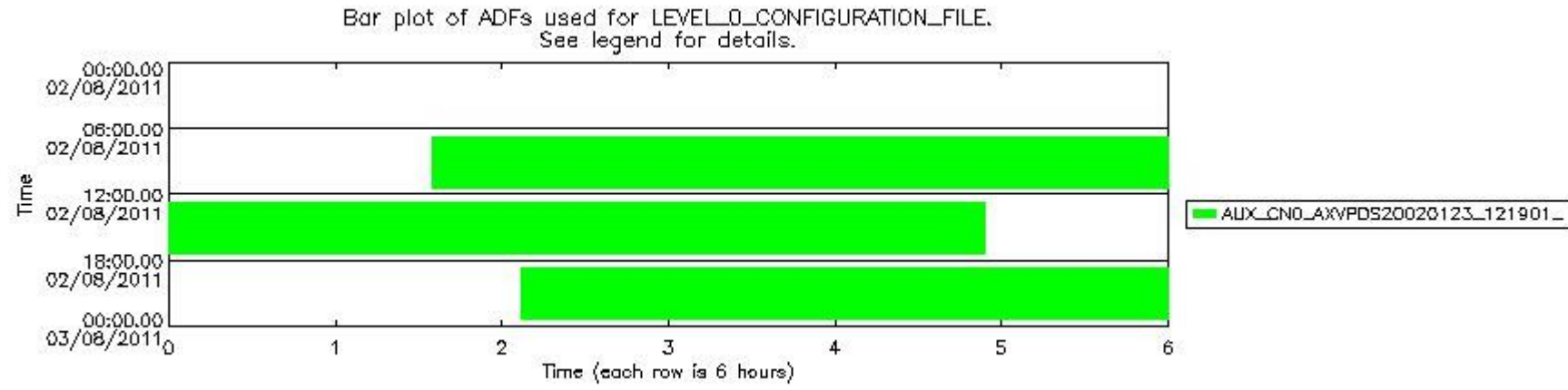
The use of ADFs is shown in two ways:

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.

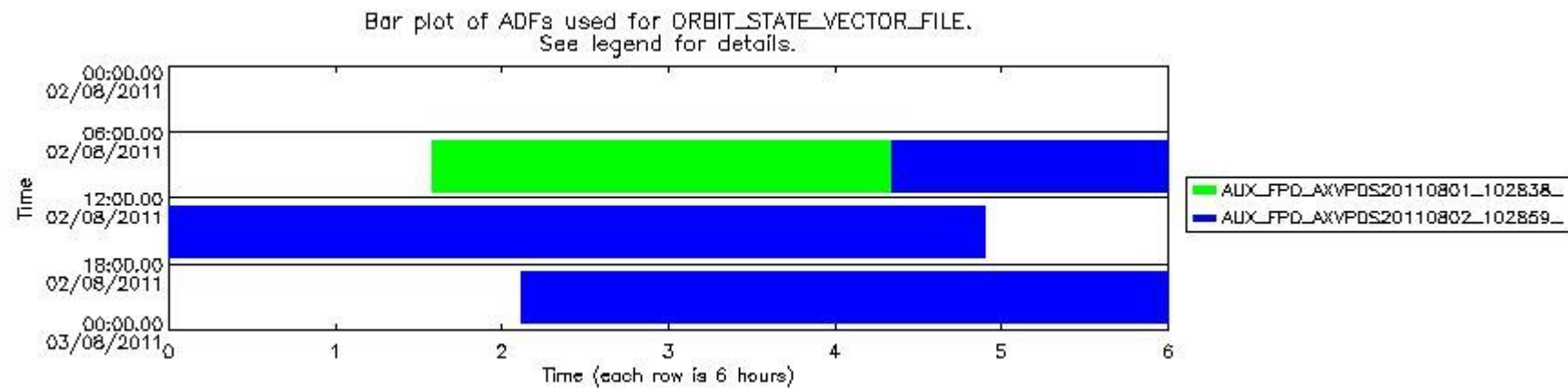
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110801_102838_20110731_192605_20110810_213951
2	AUX_FPO_AXVPDS20110802_102859_20110801_184921_20110811_210307

Number	Product name	#CN0	#FPO
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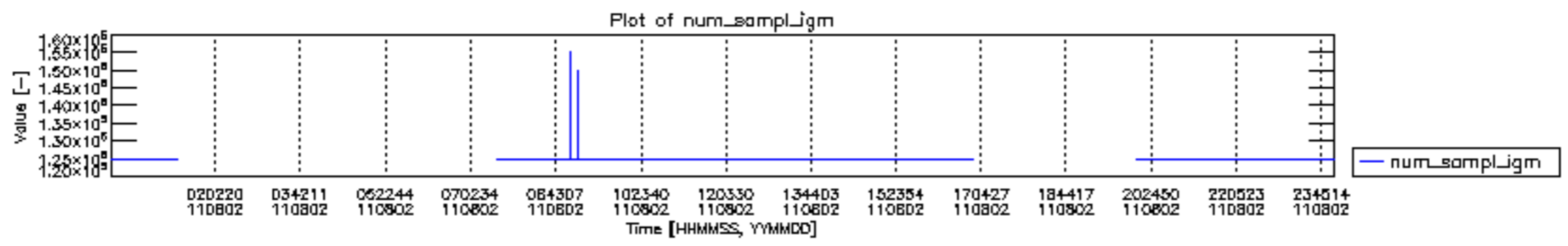
0	MIP_NL__0PNPDK20110802_073450_000038363105_00121_49273_5936.N1	0	1
1	MIP_NL__0PNPDK20110802_083814_000061643105_00122_49274_5937.N1	0	1
2	MIP_NL__0PNPDK20110802_102015_000059703105_00123_49275_5938.N1	0	2
3	MIP_NL__0PNPDK20110802_115901_000059663105_00124_49276_5939.N1	0	2
4	MIP_NL__0PNPDK20110802_133756_000058663105_00125_49277_5940.N1	0	2
5	MIP_NL__0PNPDK20110802_151458_000059413105_00126_49278_5941.N1	0	2
6	MIP_NL__0PNPDE20110802_200647_000044543105_00129_49281_9360.N1	0	2
7	MIP_NL__0PNPDE20110802_211928_000062273105_00129_49281_9361.N1	0	2
8	MIP_NL__0PNPDE20110802_230215_000060103105_00130_49282_9362.N1	0	2

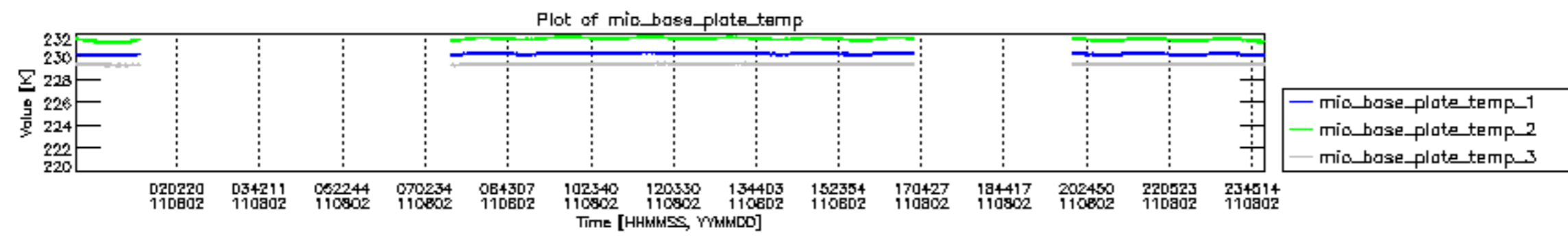


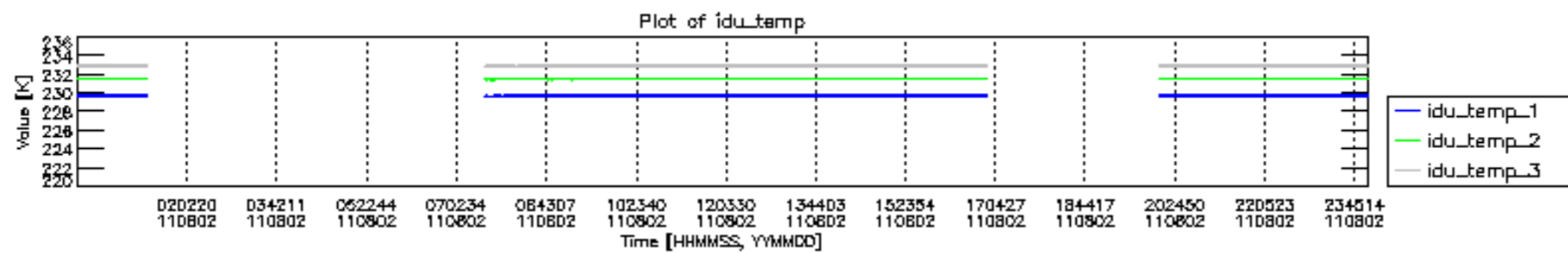
mipas_daily_report_level0_KSPT_L0_4504_N_20110802_12.PNG

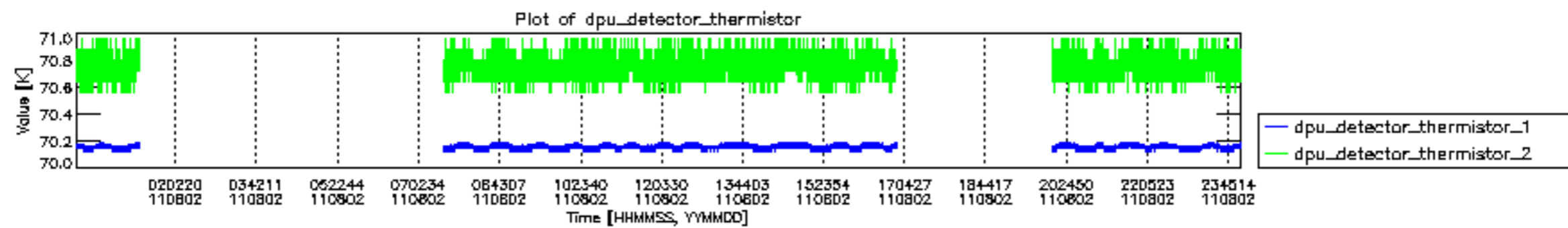


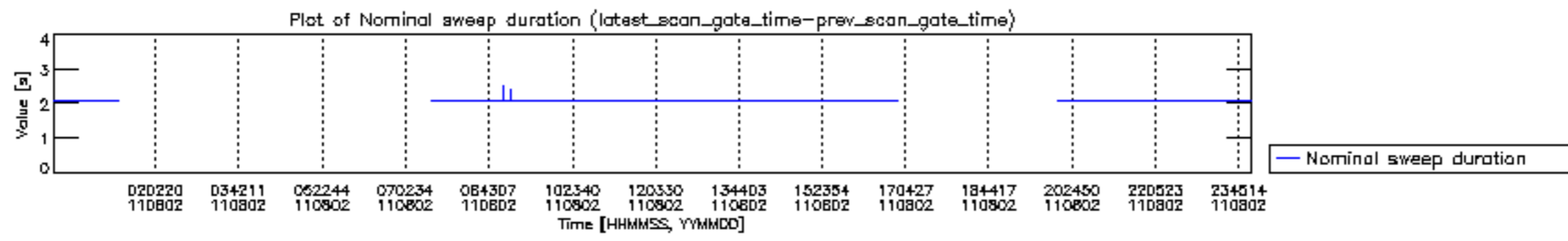
mipas_daily_report_level0_KSPT_L0_4504_N_20110802_13.PNG

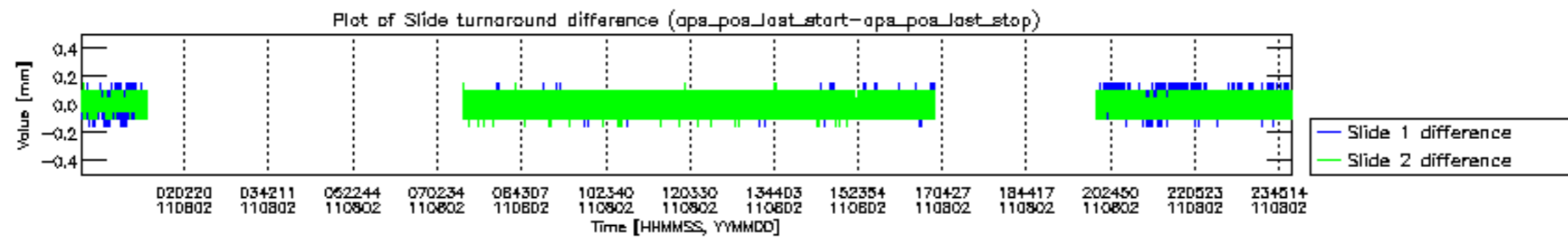


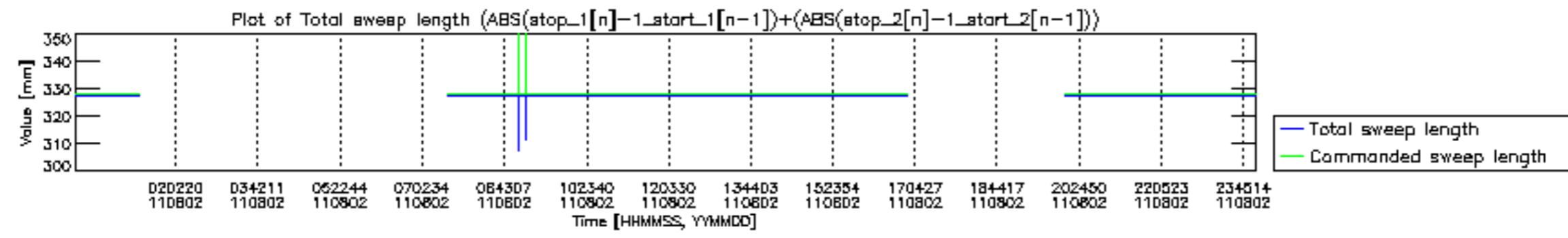


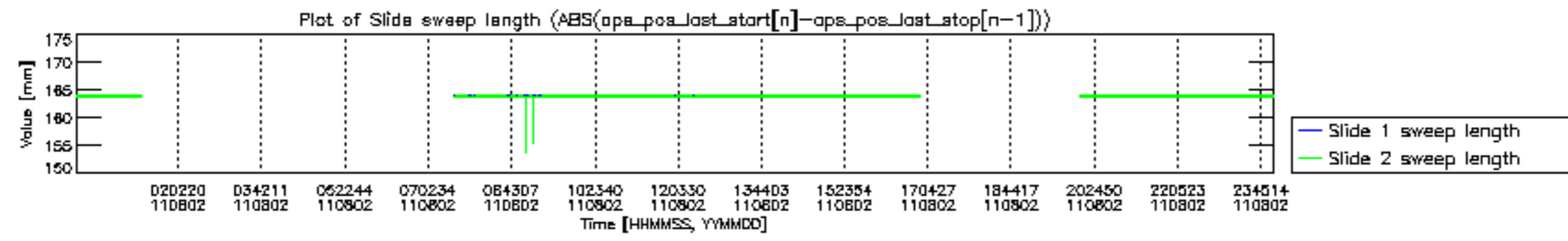


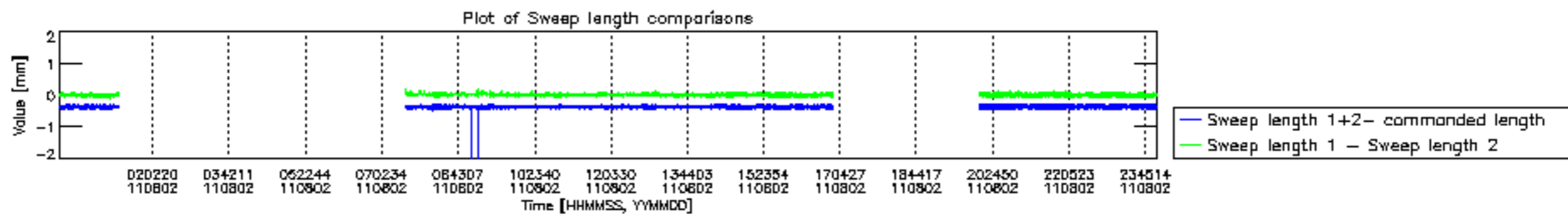


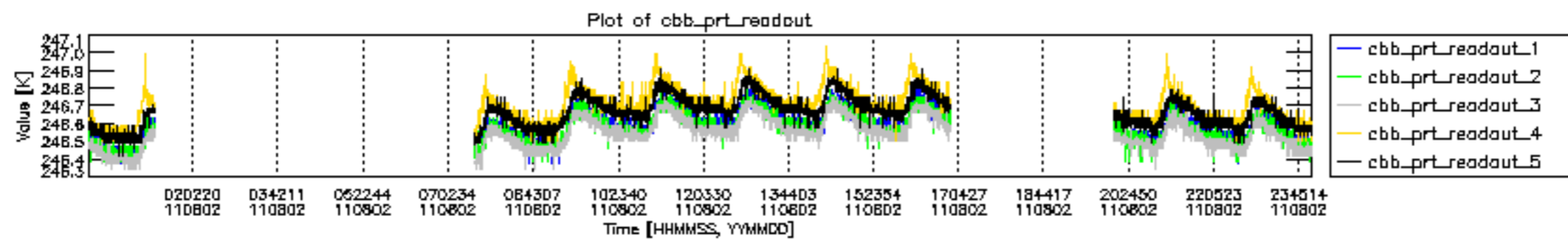


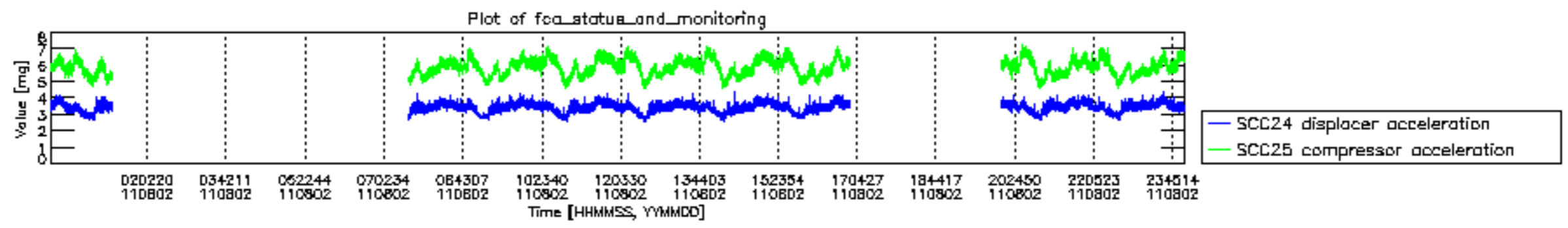












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

