

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	07MAR2012 05:22:54
Data source version	KSPT_L0/4504-N
Processing scope for products	02MAR2012 00:00:00 to 03MAR2012 00:00:00
Start time of first product within scope	02MAR2012 01:11:04
Stop time of last product within scope	03MAR2012 00:33:22
Total number of level 0 products	8
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.

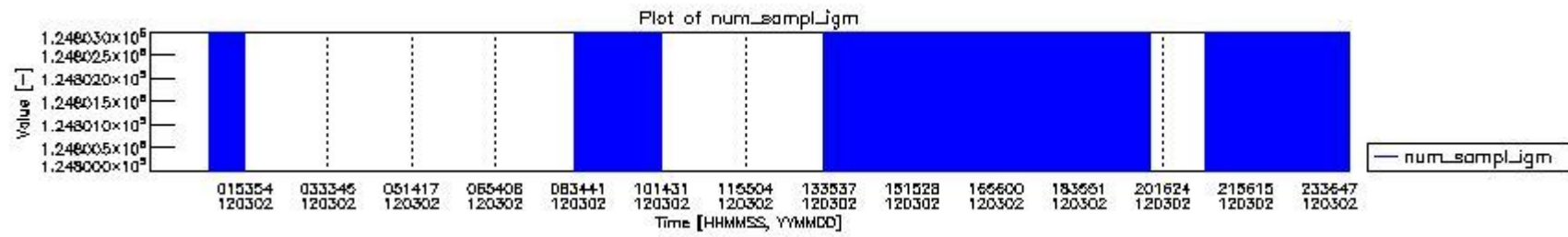
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20120302_011104_000024753112_00160_52329_1140.N1	02MAR2012 01:11:04	02MAR2012 01:52:20	0	0	0	0	0
1	MIP_NL__0PNPDK20120302_082915_000062273112_00165_52334_8768.N1	02MAR2012 08:29:15	02MAR2012 10:13:02	0	0	0	0	0
2	MIP_NL__0PNPDK20120302_132750_000059043112_00168_52337_8771.N1	02MAR2012 13:27:50	02MAR2012 15:06:14	0	0	0	0	0
3	MIP_NL__0PNPDK20120302_150431_000059953112_00169_52338_8772.N1	02MAR2012 15:04:31	02MAR2012 16:44:27	0	0	0	0	0
4	MIP_NL__0PNPDK20120302_164314_000060103112_00170_52339_8773.N1	02MAR2012 16:43:14	02MAR2012 18:23:24	0	0	0	0	0
5	MIP_NL__0PNPDK20120302_182231_000059103112_00171_52340_8774.N1	02MAR2012 18:22:31	02MAR2012 20:01:01	0	0	0	0	0
6	MIP_NL__0PNPDE20120302_210618_000064433112_00172_52341_1145.N1	02MAR2012 21:06:18	02MAR2012 22:53:41	0	0	0	0	0
7	MIP_NL__0PNPDE20120302_225238_000060443112_00173_52342_1146.N1	02MAR2012 22:52:38	03MAR2012 00:33:22	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

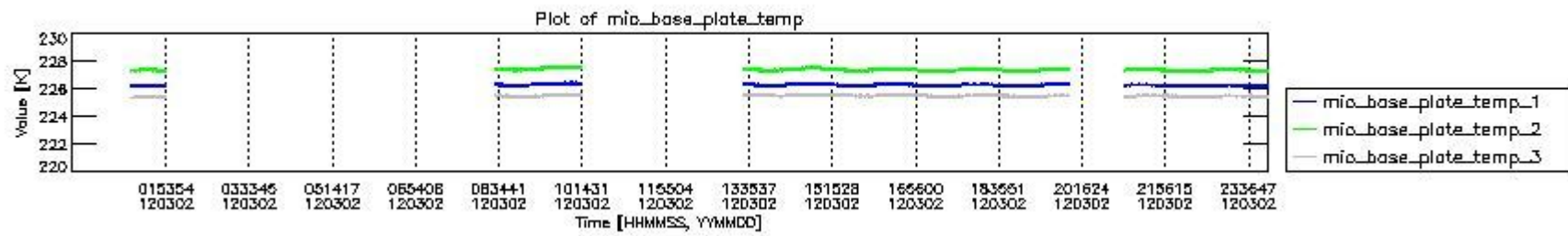
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

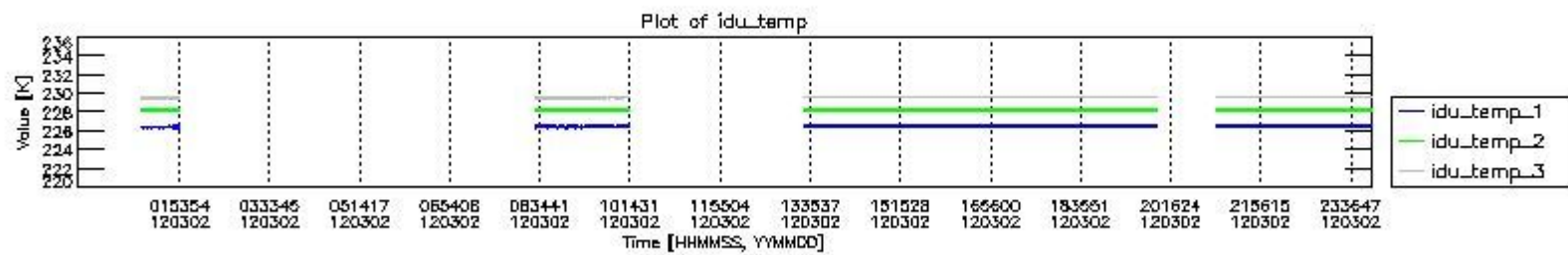
Number of igm samples	Count [#]	Count [%]
124800	19113	92.835632
124803	1475	7.1643676



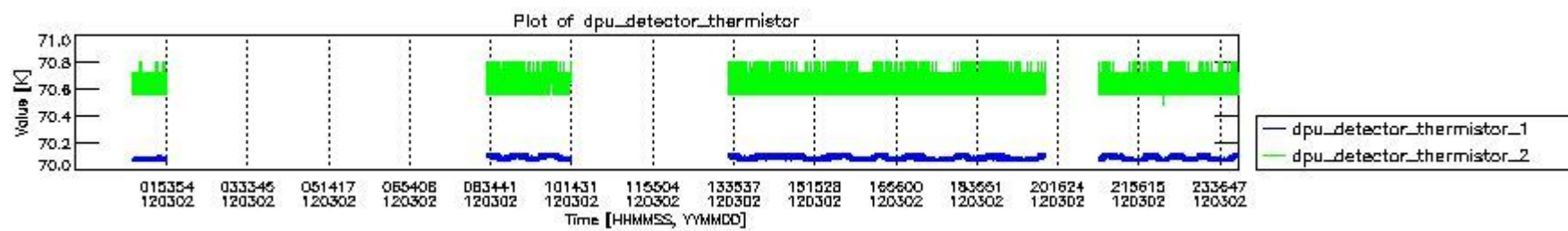
mipas_daily_report_level0_KSPT_L0_4504_N_20120302_0.PNG



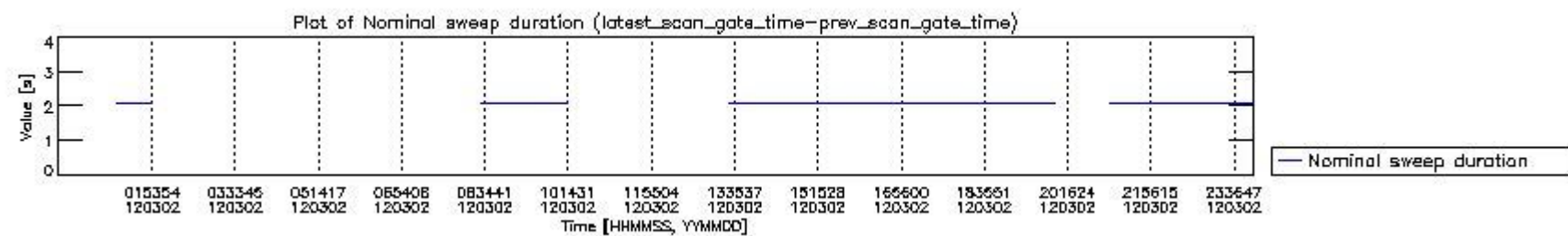
mipas_daily_report_level0_KSPT_L0_4504_N_20120302_1.PNG



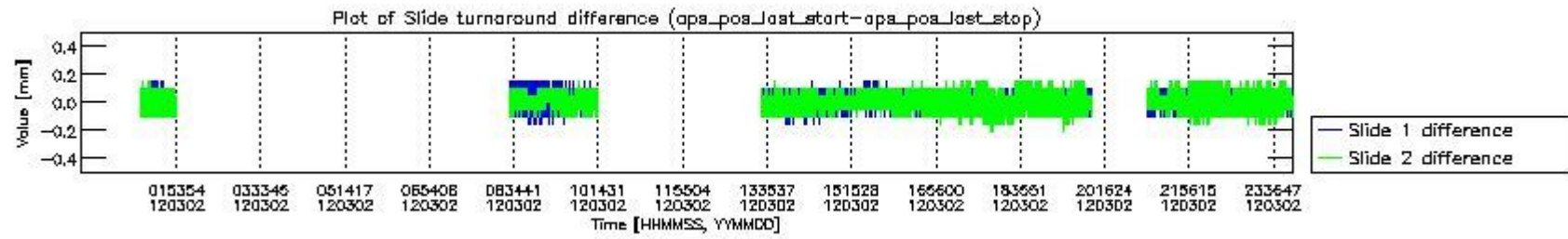
mipas_daily_report_level0_KSPT_L0_4504_N_20120302_2.PNG



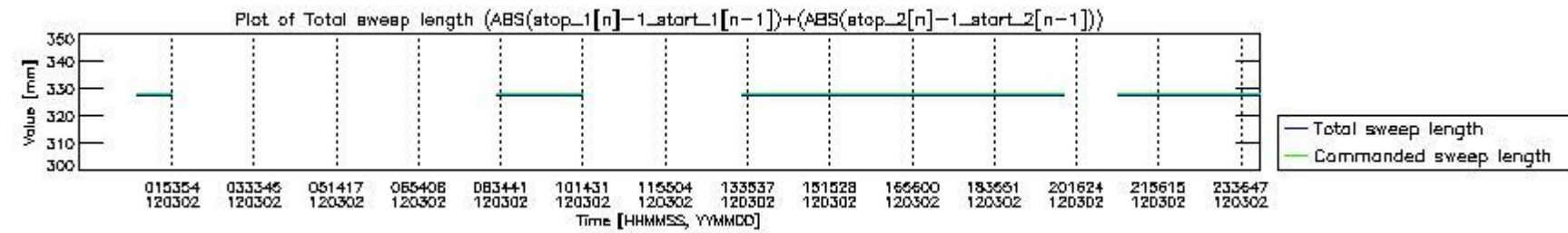
mipas_daily_report_level0_KSPT_L0_4504_N_20120302_3.PNG



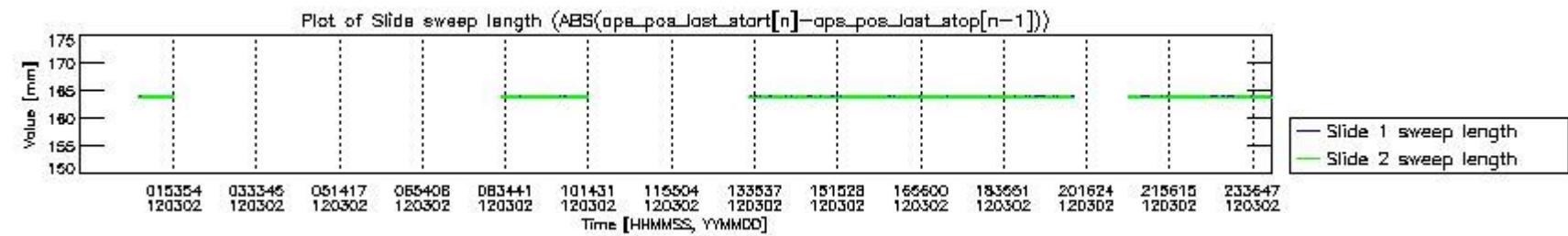
mipas_daily_report_level0_KSPT_L0_4504_N_20120302_4.PNG



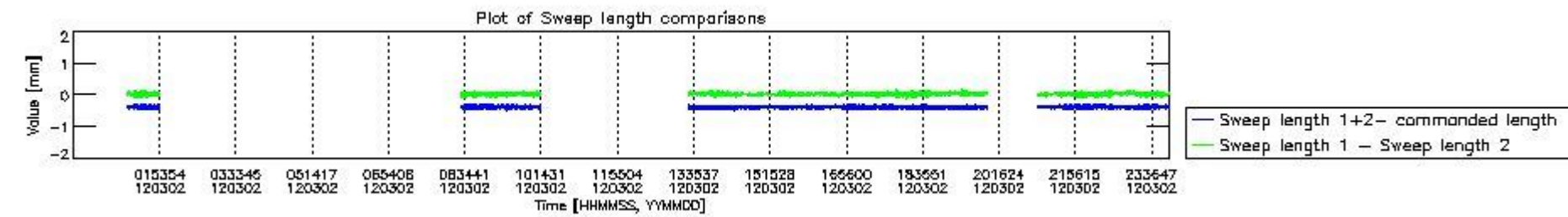
mipas_daily_report_level0_KSPT_L0_4504_N_20120302_5.PNG



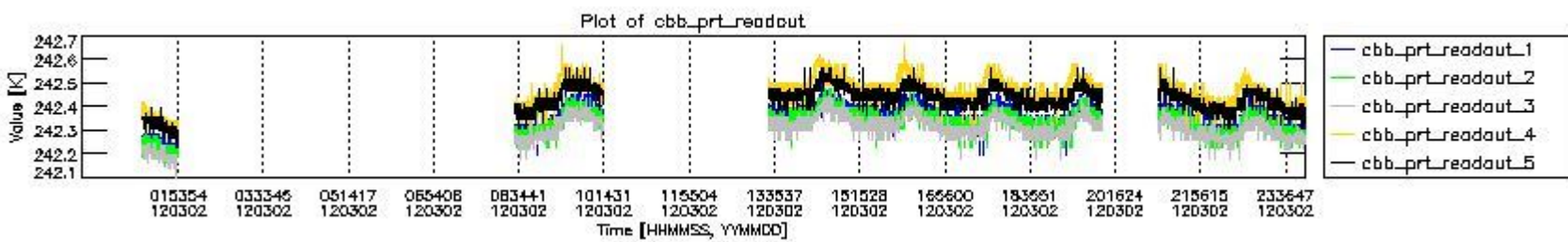
mipas_daily_report_level0_KSPT_L0_4504_N_20120302_6.PNG



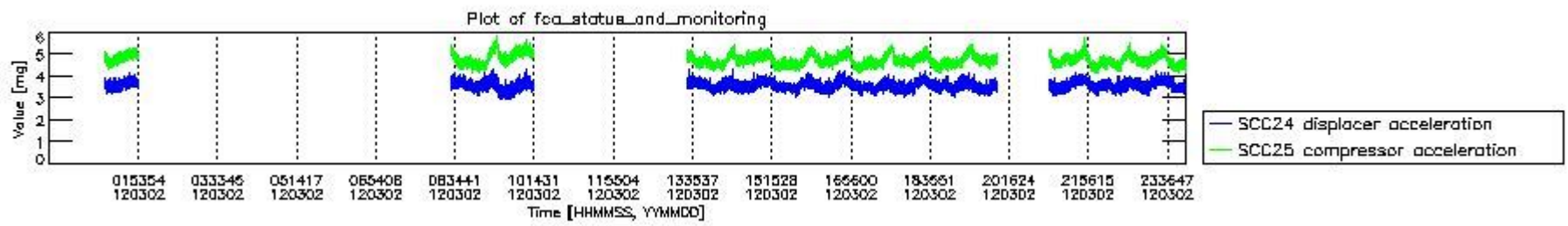
mipas_daily_report_level0_KSPT_L0_4504_N_20120302_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120302_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120302_9.PNG

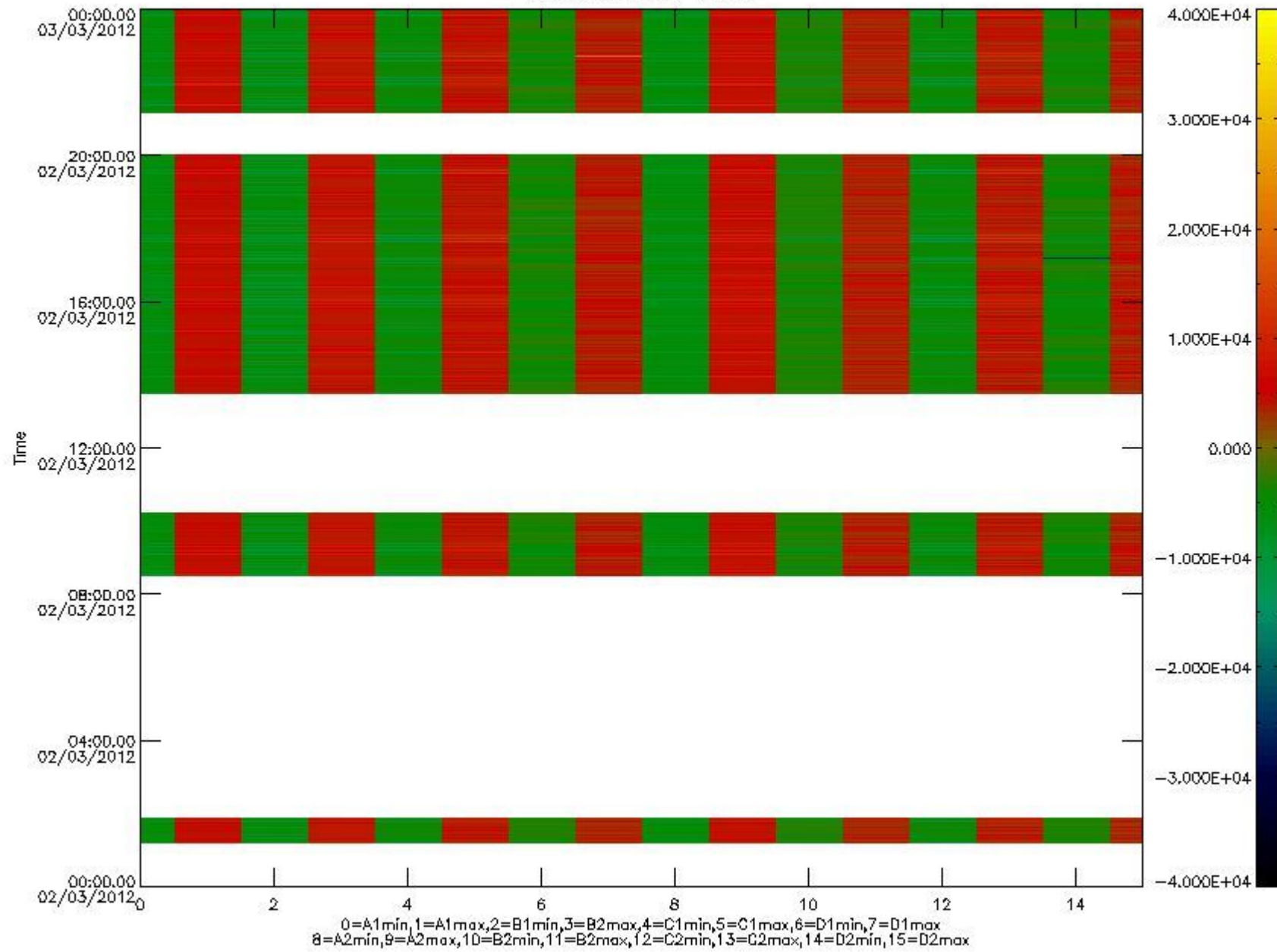


mipas_daily_report_level0_KSPT_L0_4504_N_20120302_10.PNG

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

Channel	Min	Max	ADC
A1	-15107	15849	16bit
B1	-15219	14162	16bit
C1	-21847	14483	16bit
D1	-20523	30540	16bit
A2	-13036	15752	16bit
B2	-11199	11050	16bit
C2	-15140	24126	16bit
D2	-32768	24728	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120302_11.PNG

0.3 ADF monitoring

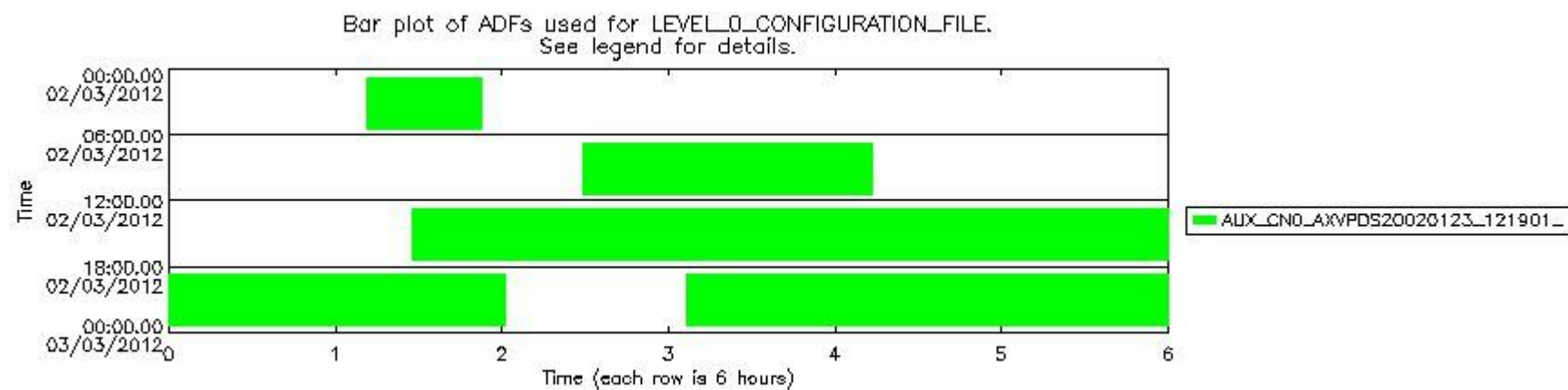
The use of ADFs is shown in two ways:

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.

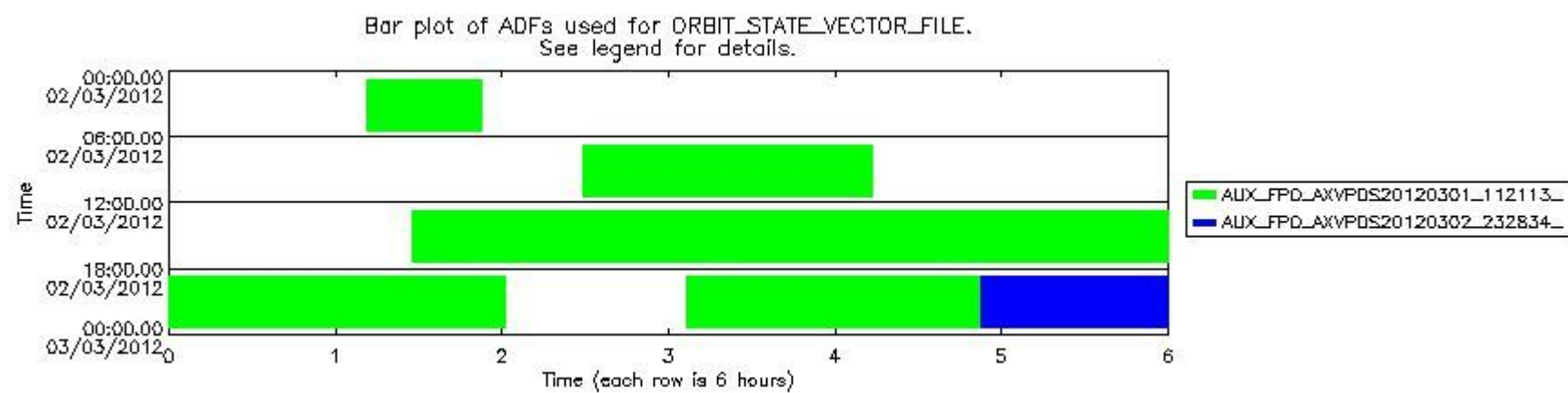
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120301_112113_20120229_191729_20120310_213110
2	AUX_FPO_AXVPDS20120302_232834_20120301_184045_20120311_205427

Number	Product name	#CN0	#FPO
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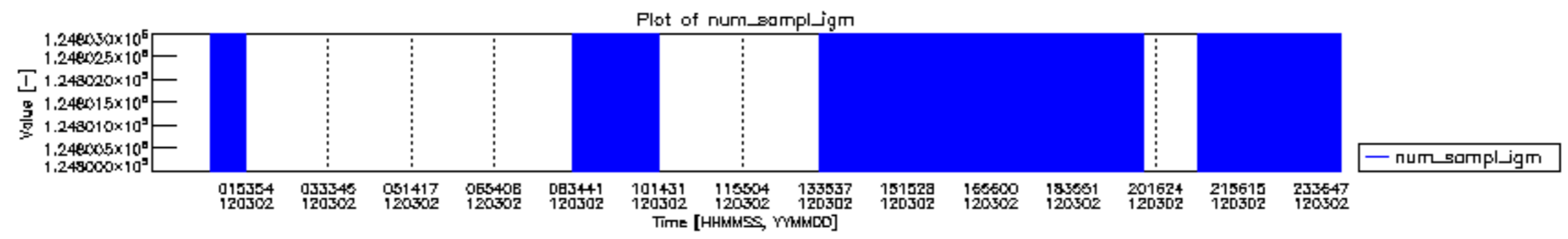
0	MIP_NL__0PNPDE20120302_011104_000024753112_00160_52329_1140.N1	0	1
1	MIP_NL__0PNPDK20120302_082915_000062273112_00165_52334_8768.N1	0	1
2	MIP_NL__0PNPDK20120302_132750_000059043112_00168_52337_8771.N1	0	1
3	MIP_NL__0PNPDK20120302_150431_000059953112_00169_52338_8772.N1	0	1
4	MIP_NL__0PNPDK20120302_164314_000060103112_00170_52339_8773.N1	0	1
5	MIP_NL__0PNPDK20120302_182231_000059103112_00171_52340_8774.N1	0	1
6	MIP_NL__0PNPDE20120302_210618_000064433112_00172_52341_1145.N1	0	1
7	MIP_NL__0PNPDE20120302_225238_000060443112_00173_52342_1146.N1	0	2

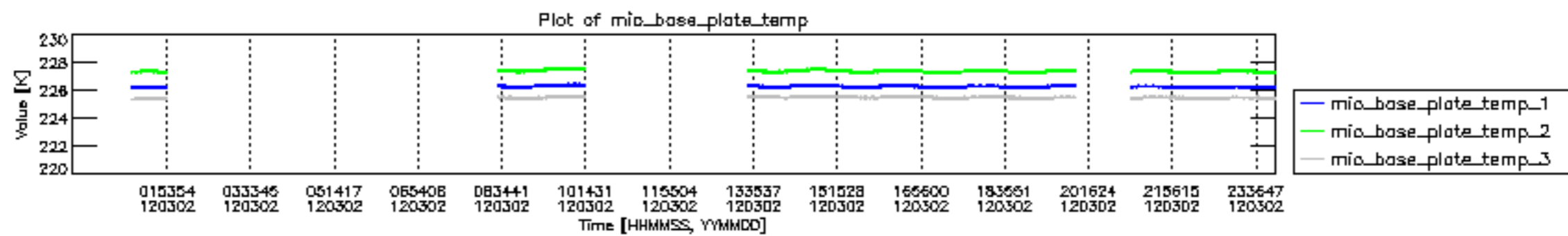


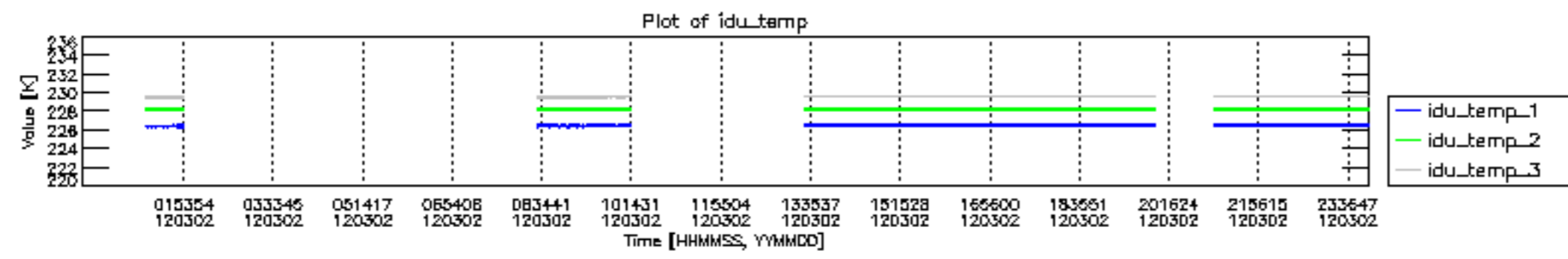
mipas_daily_report_level0_KSPT_L0_4504_N_20120302_12.PNG

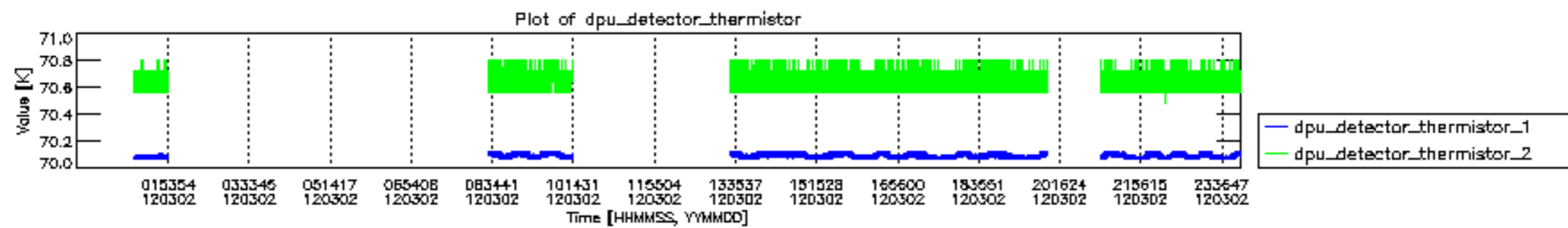


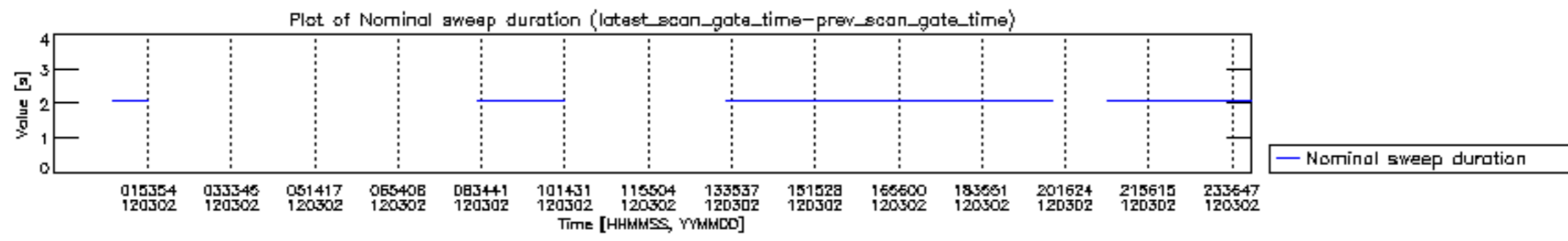
mipas_daily_report_level0_KSPT_L0_4504_N_20120302_13.PNG

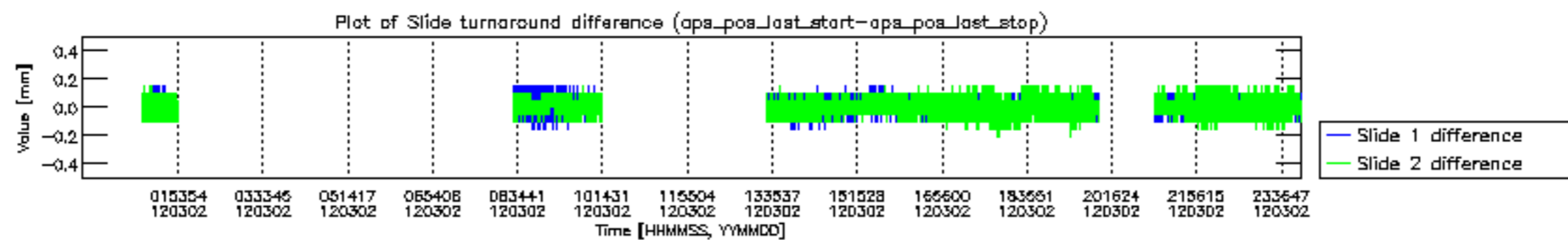


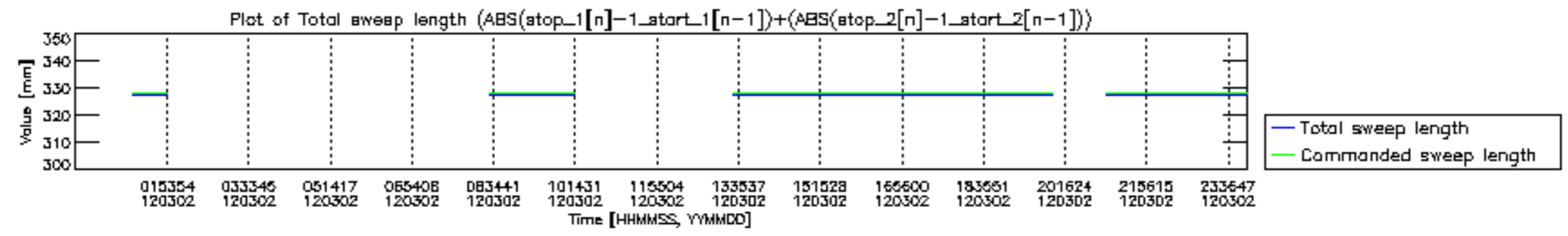


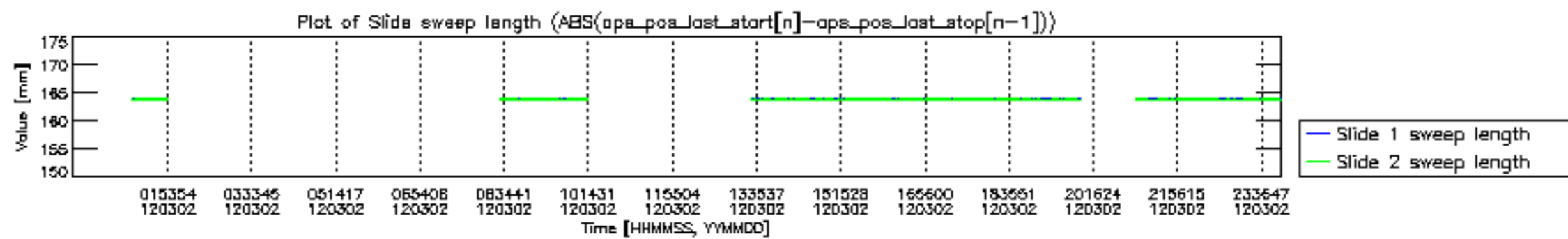


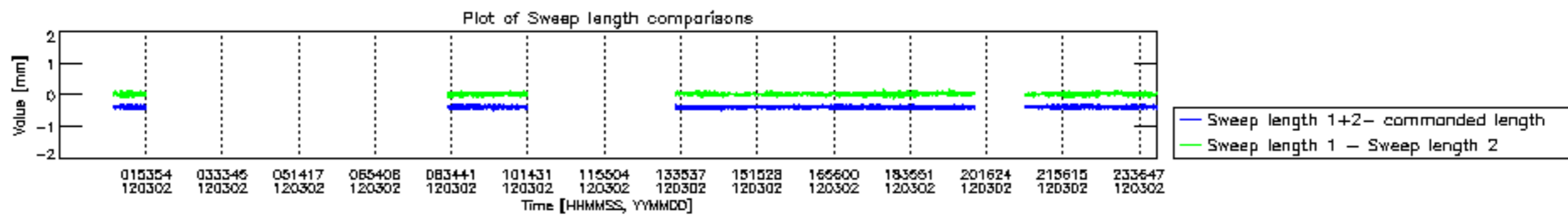


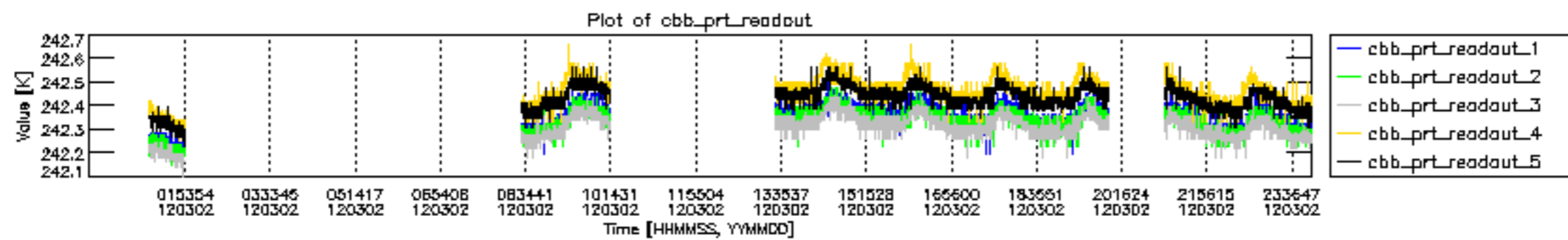


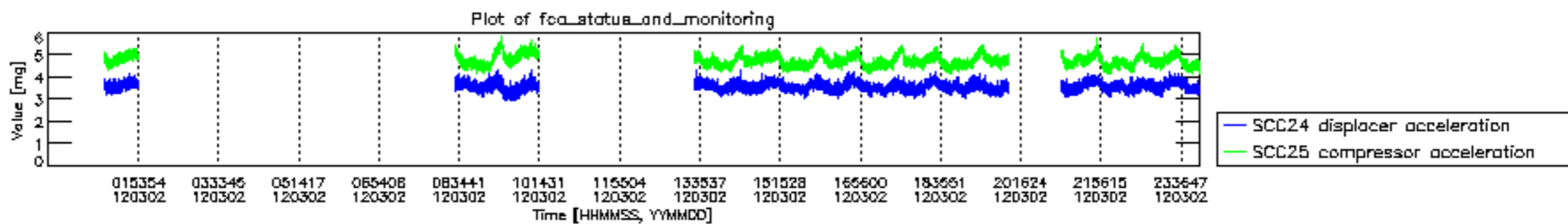




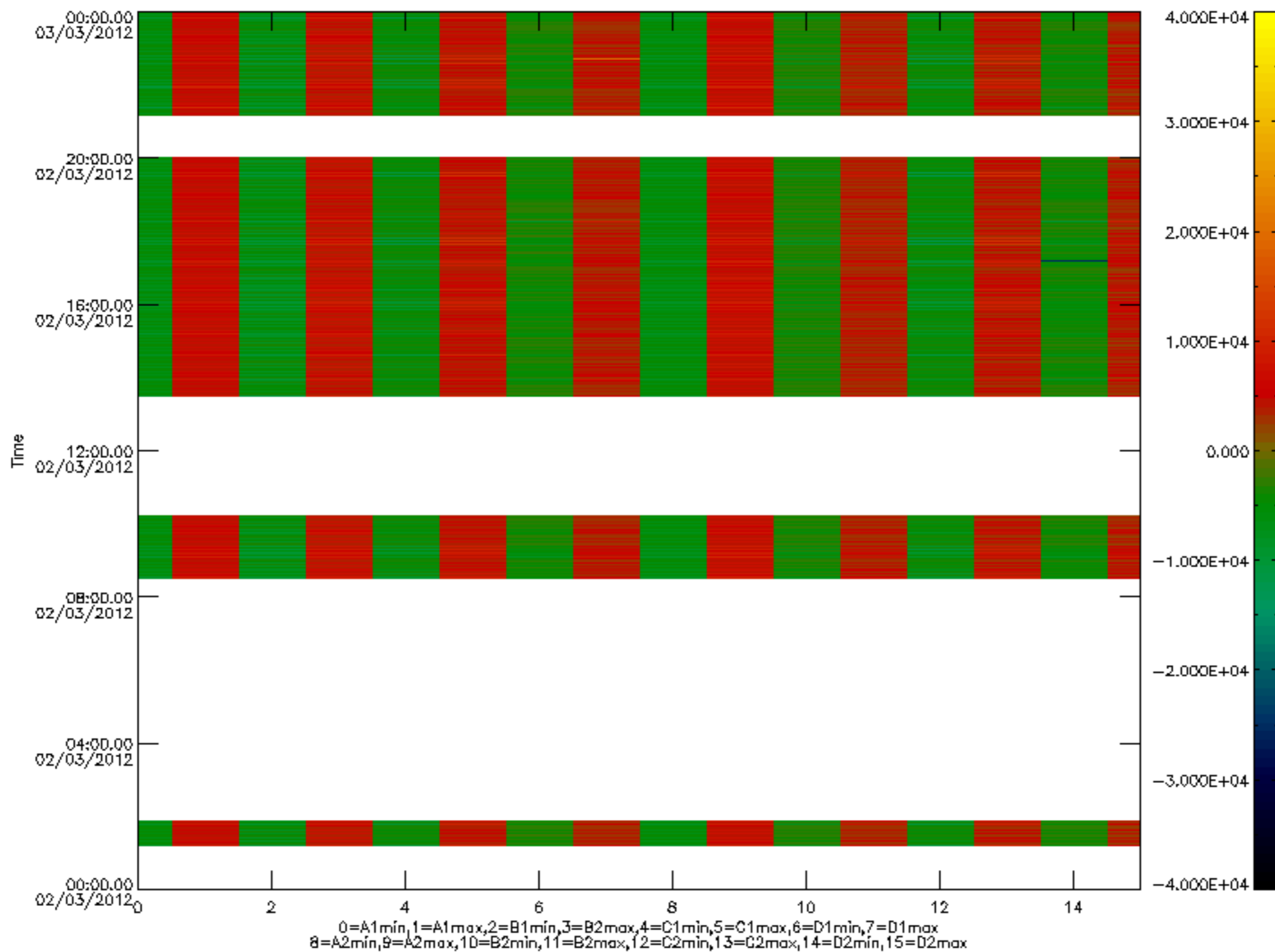


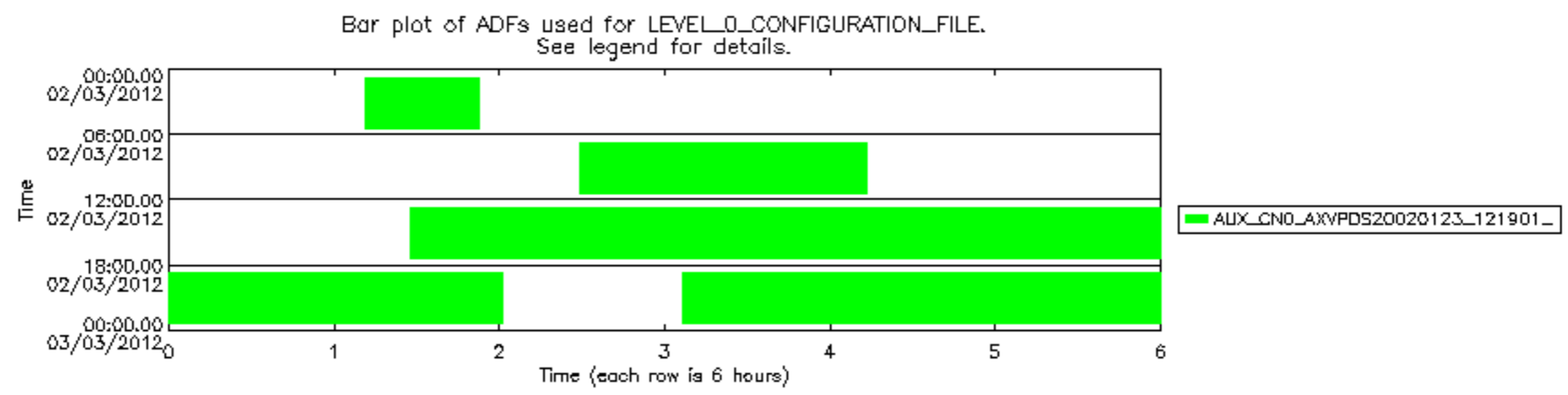






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

