

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	16FEB2012 05:23:37
Data source version	KSPT_L0/4504-N
Processing scope for products	11FEB2012 00:00:00 to 12FEB2012 00:00:00
Start time of first product within scope	11FEB2012 01:39:47
Stop time of last product within scope	12FEB2012 01:07:45
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.

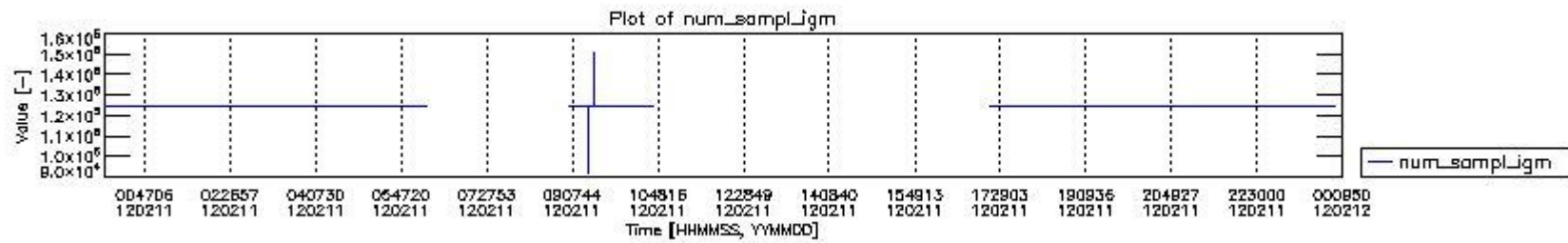
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20120211_013947_000044733111_00304_52042_1004.N1	11FEB2012 01:39:47	11FEB2012 02:54:20	0	0	0	0	0
1	MIP_NL__0PNPDE20120211_025347_000061793111_00305_52043_1005.N1	11FEB2012 02:53:47	11FEB2012 04:36:46	0	0	0	0	0
2	MIP_NL__0PNPDE20120211_043611_000060623111_00306_52044_1006.N1	11FEB2012 04:36:11	11FEB2012 06:17:13	0	0	0	0	0
3	MIP_NL__0PNPDK20120211_090454_000058763111_00309_52047_8495.N1	11FEB2012 09:04:54	11FEB2012 10:42:50	0	0	0	0	0
4	MIP_NL__0PNPDK20120211_171643_000058743111_00314_52052_8501.N1	11FEB2012 17:16:43	11FEB2012 18:54:37	0	0	0	0	0
5	MIP_NL__0PNPDK20120211_185337_000061083111_00315_52053_8502.N1	11FEB2012 18:53:37	11FEB2012 20:35:25	0	0	0	0	0
6	MIP_NL__0PNPDE20120211_203336_000043493111_00316_52054_1007.N1	11FEB2012 20:33:36	11FEB2012 21:46:06	0	0	0	0	0
7	MIP_NL__0PNPDE20120211_214503_000061043111_00316_52054_1008.N1	11FEB2012 21:45:03	11FEB2012 23:26:47	0	0	0	0	0
8	MIP_NL__0PNPDE20120211_232540_000061253111_00317_52055_1009.N1	11FEB2012 23:25:40	12FEB2012 01:07:45	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

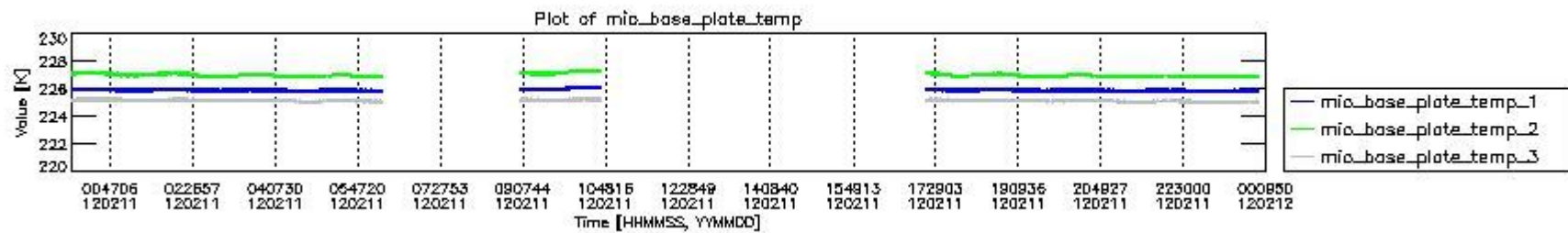
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

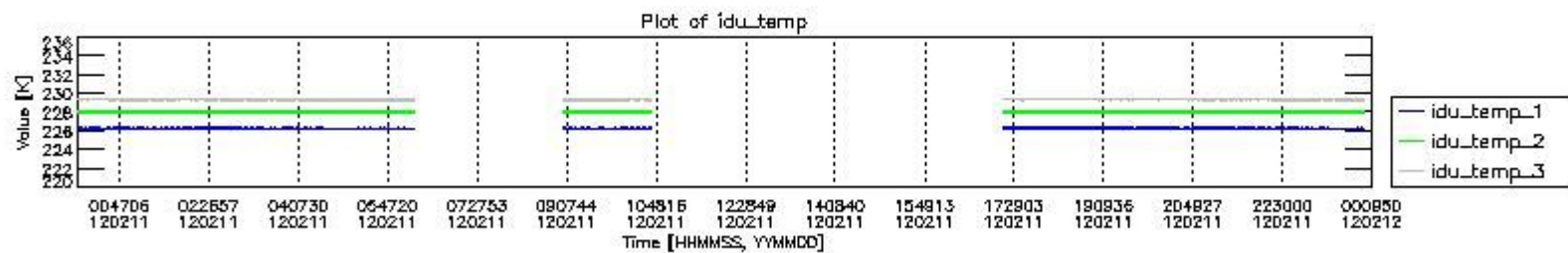
Number of igm samples	Count [#]	Count [%]
91962	1	0.0039481996
98315	1	0.0039481996
118447	1	0.0039481996
124800	23534	92.916930
124803	1788	7.0593809
127531	1	0.0039481996
147663	1	0.0039481996
150394	1	0.0039481996



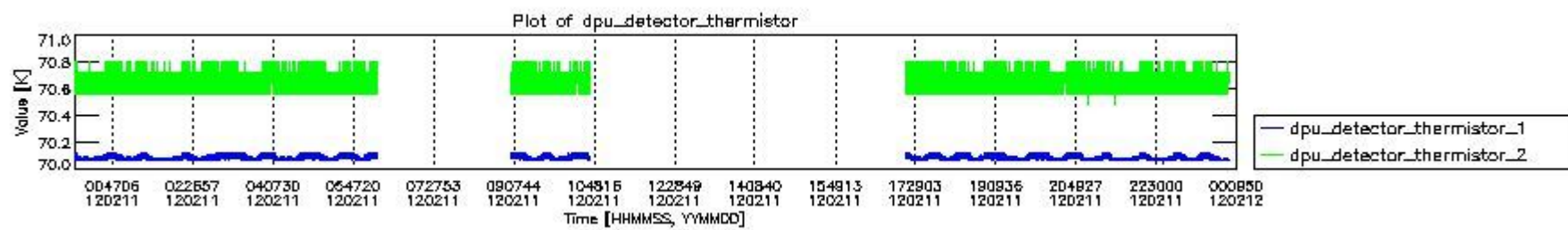
mipas_daily_report_level0_KSPT_L0_4504_N_20120211_0.PNG



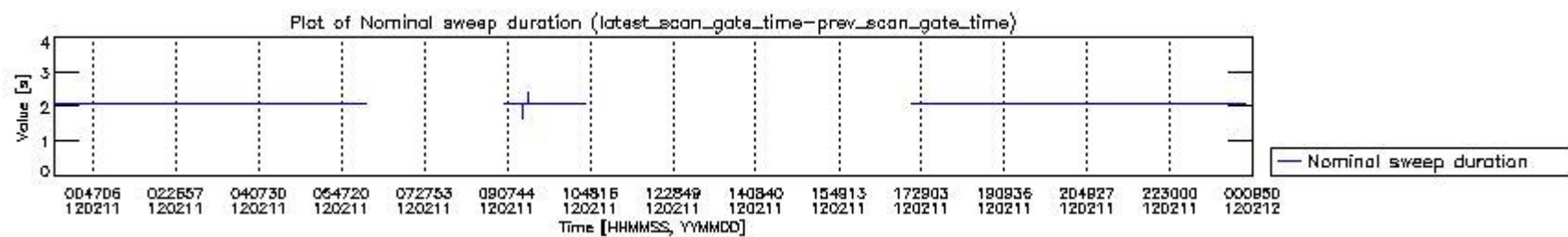
mipas_daily_report_level0_KSPT_L0_4504_N_20120211_1.PNG



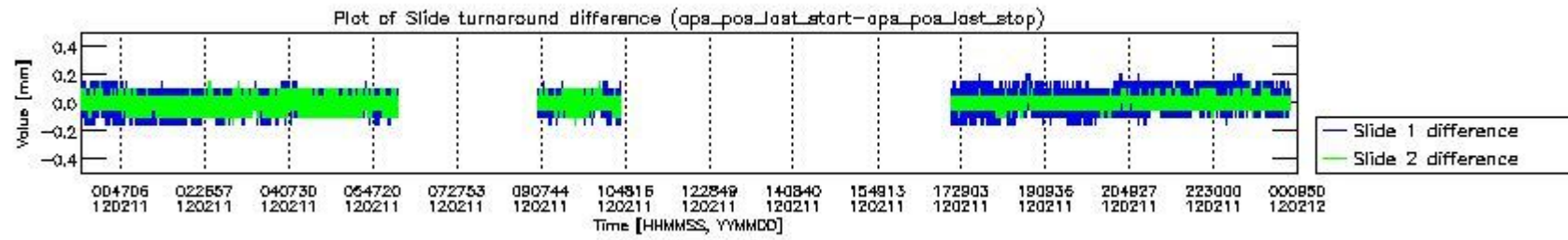
mipas_daily_report_level0_KSPT_L0_4504_N_20120211_2.PNG



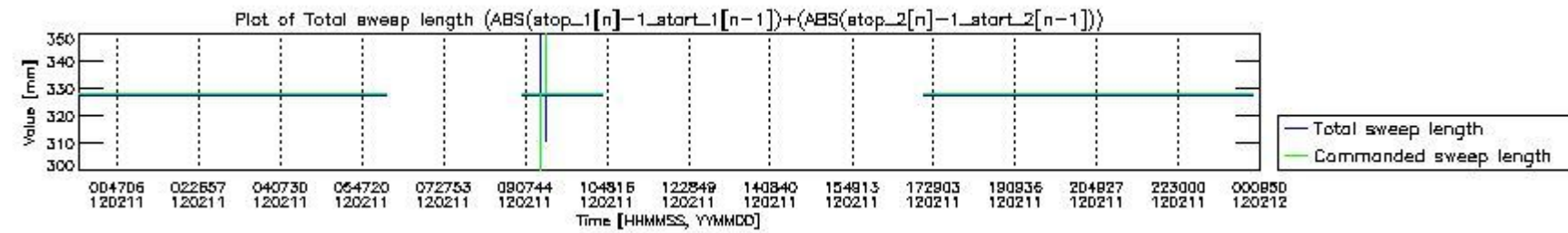
mipas_daily_report_level0_KSPT_L0_4504_N_20120211_3.PNG



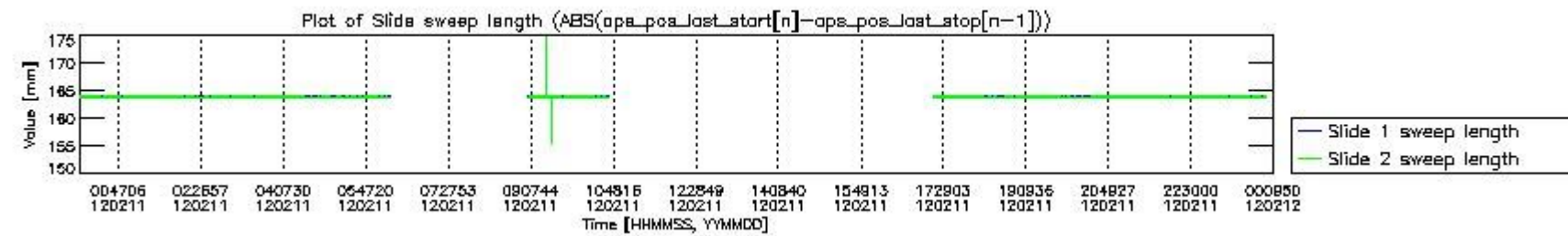
mipas_daily_report_level0_KSPT_L0_4504_N_20120211_4.PNG



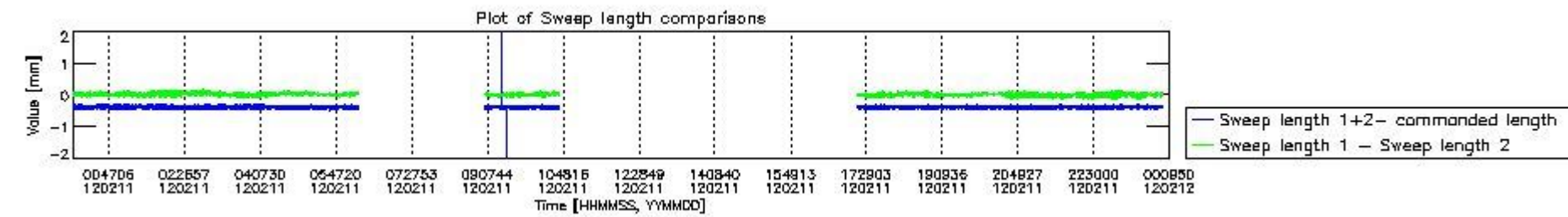
mipas_daily_report_level0_KSPT_L0_4504_N_20120211_5.PNG



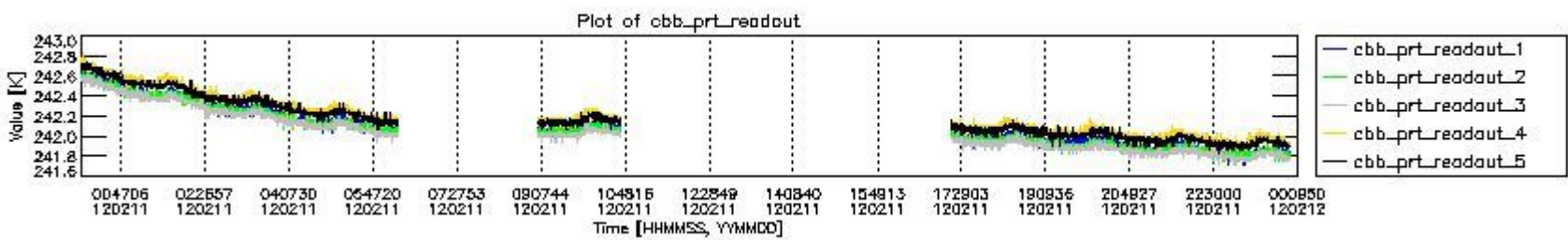
mipas_daily_report_level0_KSPT_L0_4504_N_20120211_6.PNG



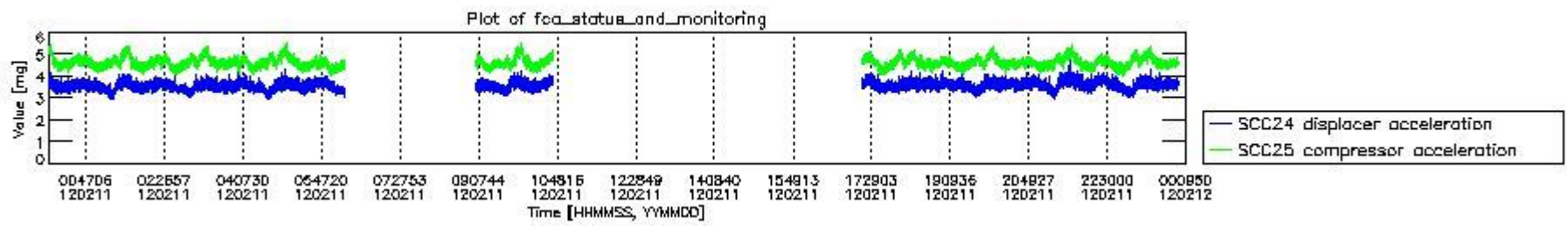
mipas_daily_report_level0_KSPT_L0_4504_N_20120211_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120211_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120211_9.PNG

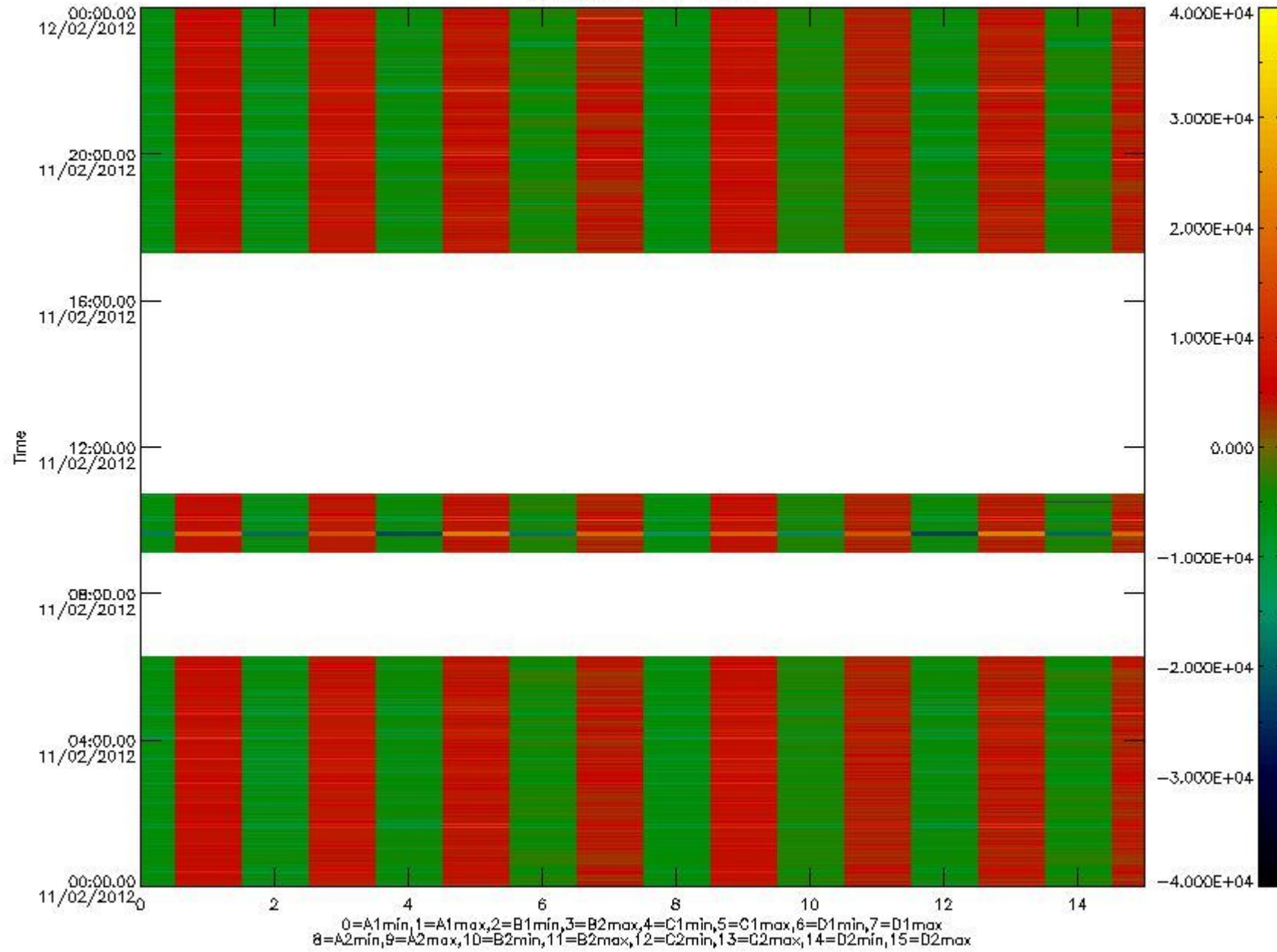


mipas_daily_report_level0_KSPT_L0_4504_N_20120211_10.PNG

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

Channel	Min	Max	ADC
A1	-17210	18089	16bit
B1	-18918	16440	16bit
C1	-22381	22186	16bit
D1	-21469	32767	16bit
A2	-15038	18341	16bit
B2	-16613	16449	16bit
C2	-23233	23368	16bit
D2	-32768	24599	16bit

MIPNL0P_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120211_11.PNG

0.3 ADF monitoring

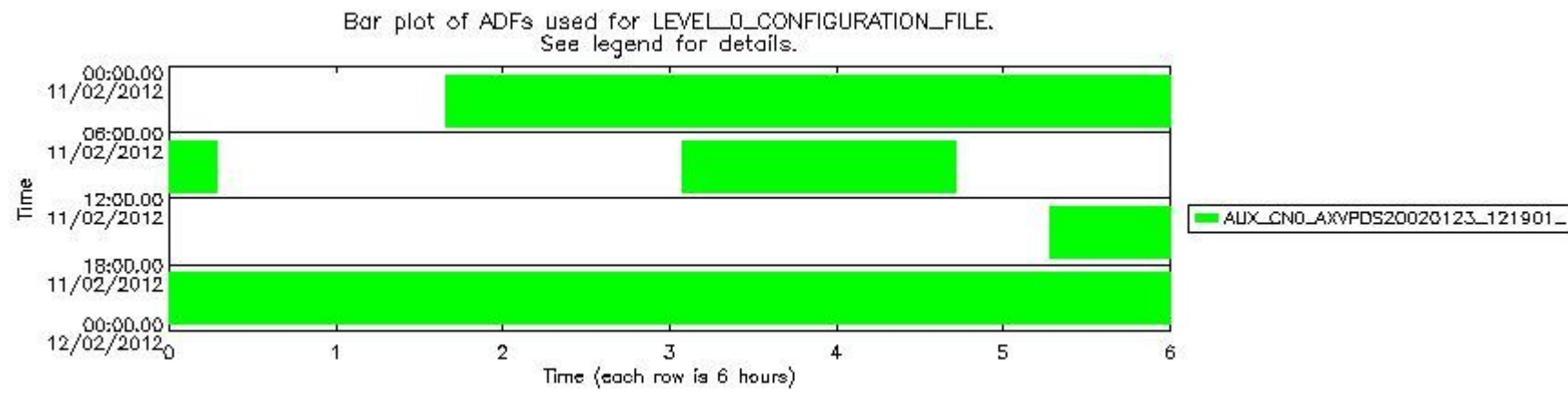
The use of ADFs is shown in two ways:

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.

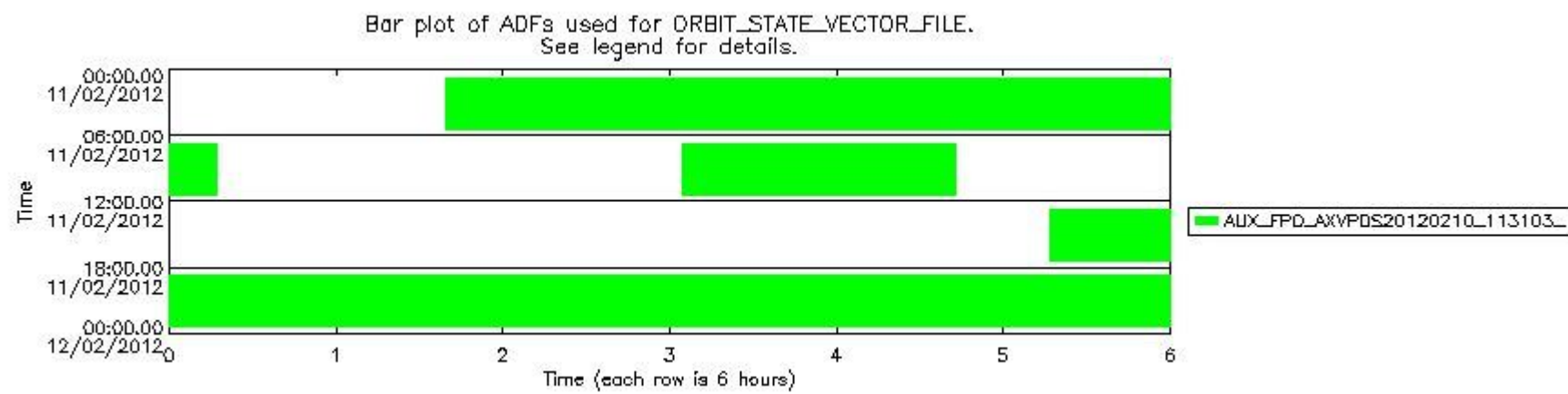
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120210_113103_20120209_195053_20120219_202417

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120211_013947_000044733111_00304_52042_1004.N1	0	1

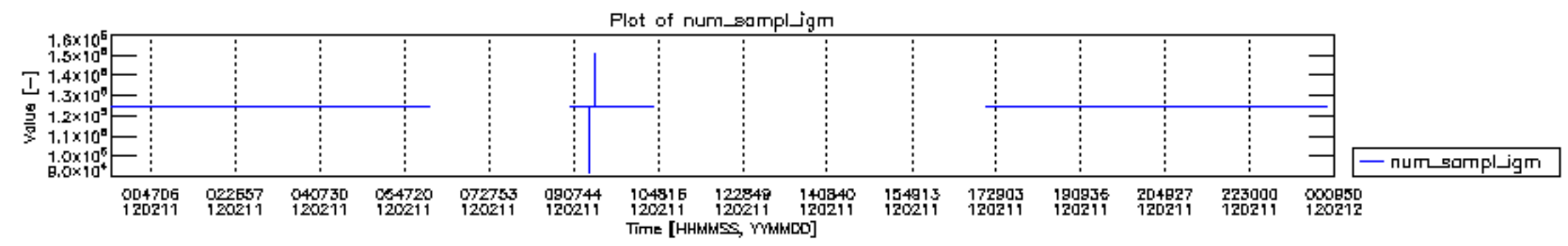
1	MIP_NL__0PNPDE20120211_025347_000061793111_00305_52043_1005.N1	0	1
2	MIP_NL__0PNPDE20120211_043611_000060623111_00306_52044_1006.N1	0	1
3	MIP_NL__0PNPDK20120211_090454_000058763111_00309_52047_8495.N1	0	1
4	MIP_NL__0PNPDK20120211_171643_000058743111_00314_52052_8501.N1	0	1
5	MIP_NL__0PNPDK20120211_185337_000061083111_00315_52053_8502.N1	0	1
6	MIP_NL__0PNPDE20120211_203336_000043493111_00316_52054_1007.N1	0	1
7	MIP_NL__0PNPDE20120211_214503_000061043111_00316_52054_1008.N1	0	1
8	MIP_NL__0PNPDE20120211_232540_000061253111_00317_52055_1009.N1	0	1

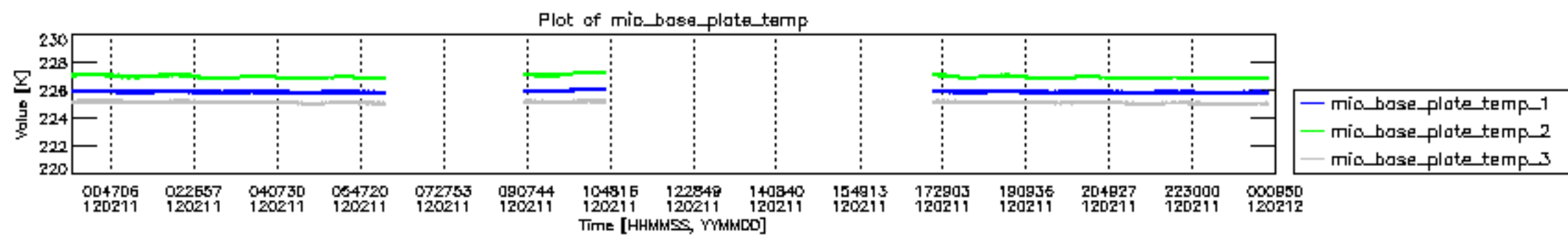


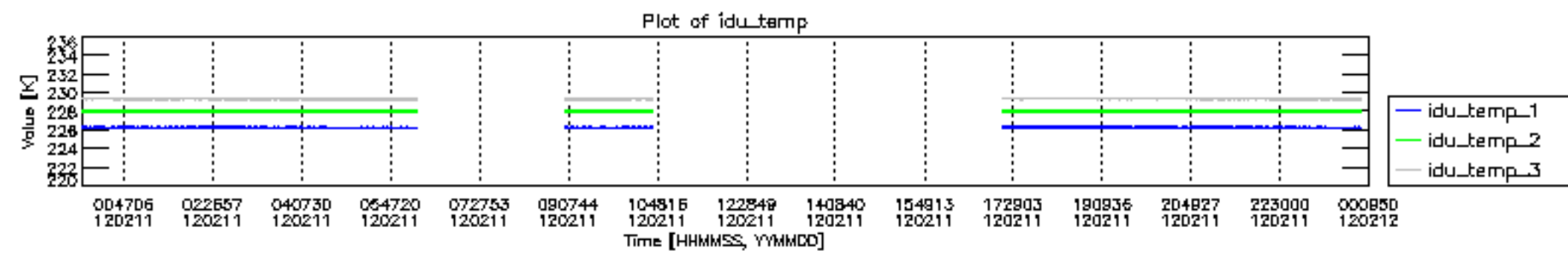
mipas_daily_report_level0_KSPT_L0_4504_N_20120211_12.PNG

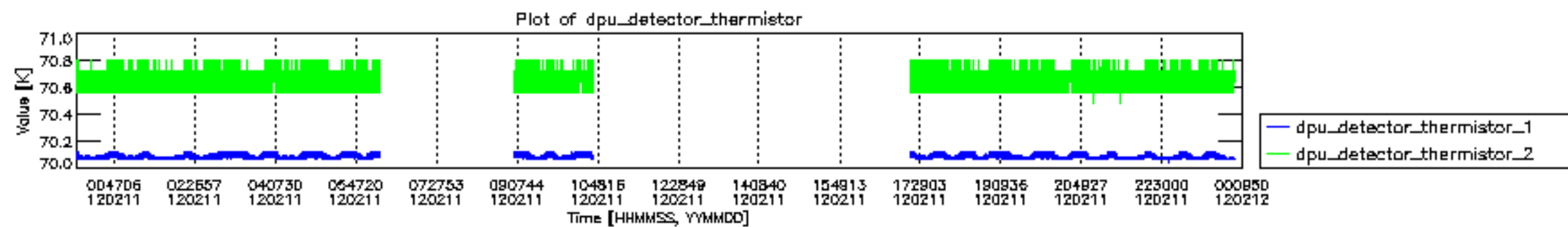


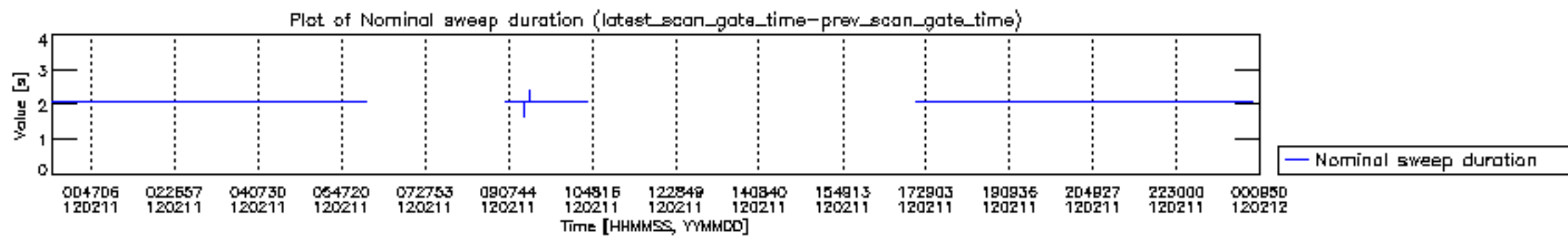
mipas_daily_report_level0_KSPT_L0_4504_N_20120211_13.PNG

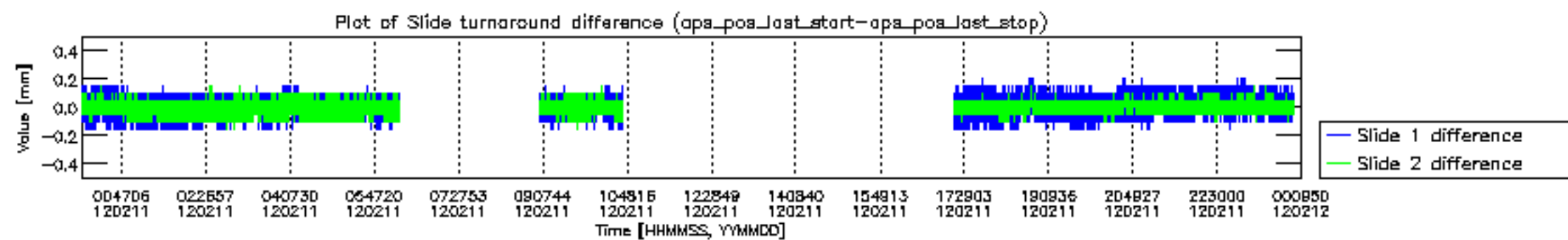


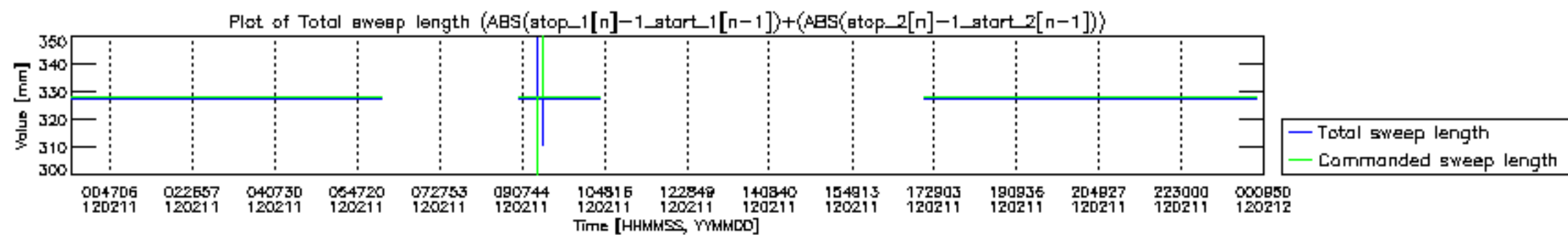


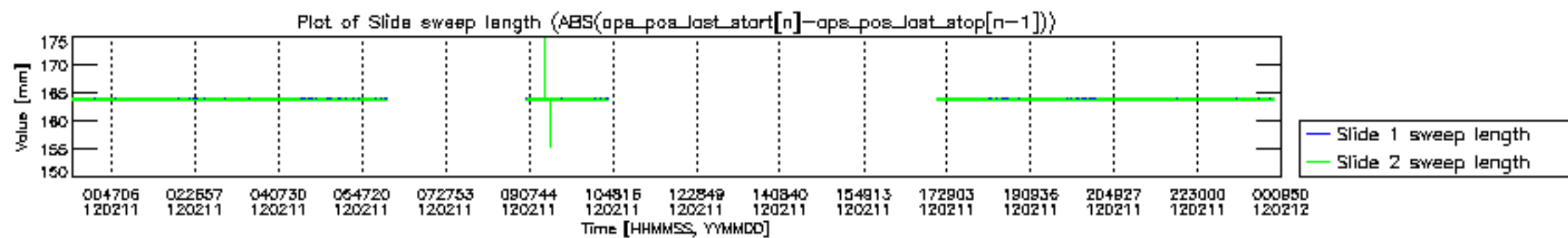


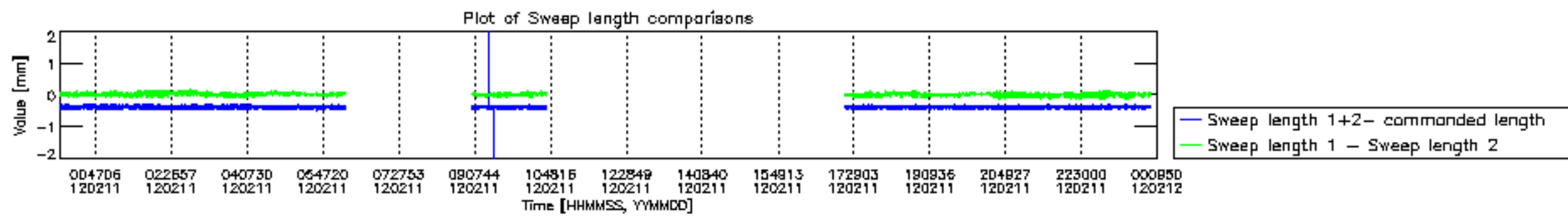


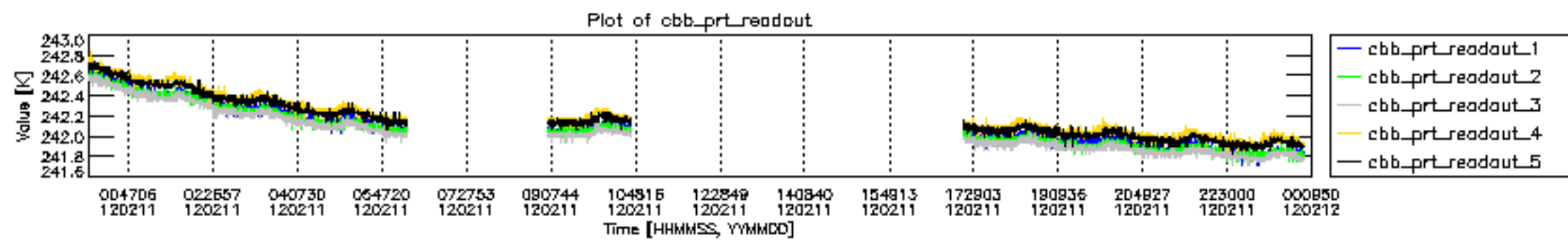


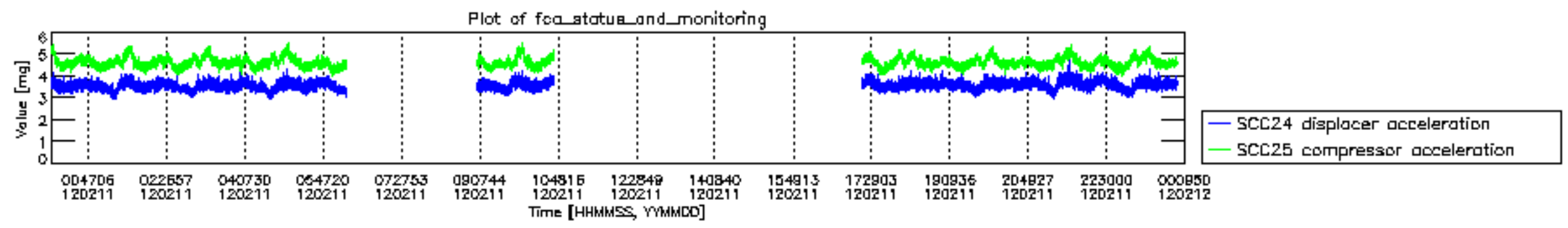












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

