

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	09JUL2011 05:23:26
Data source version	KSPT_L0/4504-N
Processing scope for products	04JUL2011 00:00:00 to 05JUL2011 00:00:00
Start time of first product within scope	04JUL2011 00:42:07
Stop time of last product within scope	05JUL2011 00:06:34
Total number of level 0 products	6
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.

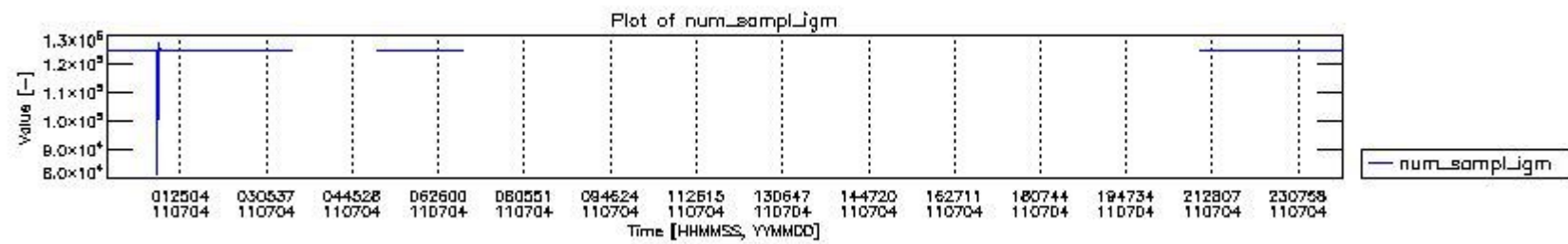
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110704_004207_000057763104_00131_48852_9164.N1	04JUL2011 00:42:07	04JUL2011 02:18:23	0	0	0	0	0
1	MIP_NL__0PNPDE20110704_010056_000046463104_00132_48853_9168.N1	04JUL2011 01:00:56	04JUL2011 02:18:23	0	0	0	0	0
2	MIP_NL__0PNPDE20110704_021703_000046213104_00132_48853_9165.N1	04JUL2011 02:17:03	04JUL2011 03:34:04	0	0	0	0	0
3	MIP_NL__0PNPDE20110704_051416_000060443104_00134_48855_9167.N1	04JUL2011 05:14:16	04JUL2011 06:55:00	0	0	0	0	0
4	MIP_NL__0PNPDE20110704_211310_000042683104_00144_48865_9169.N1	04JUL2011 21:13:10	04JUL2011 22:24:18	0	0	0	0	0
5	MIP_NL__0PNPDE20110704_222314_000062003104_00144_48865_9170.N1	04JUL2011 22:23:14	05JUL2011 00:06:34	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

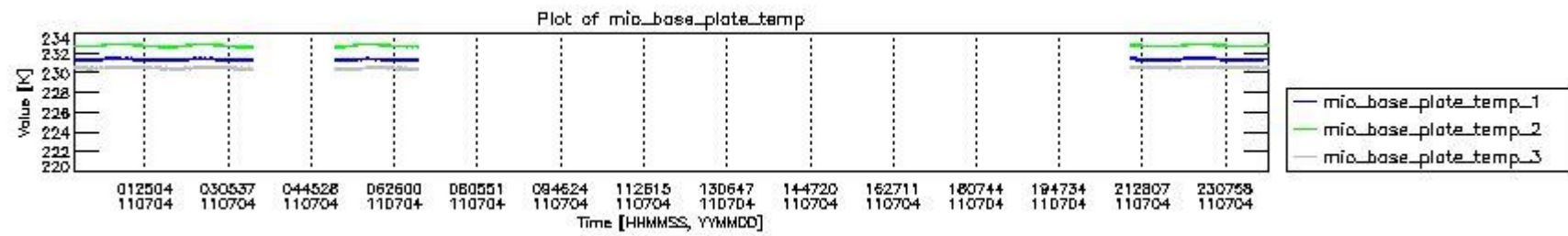
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

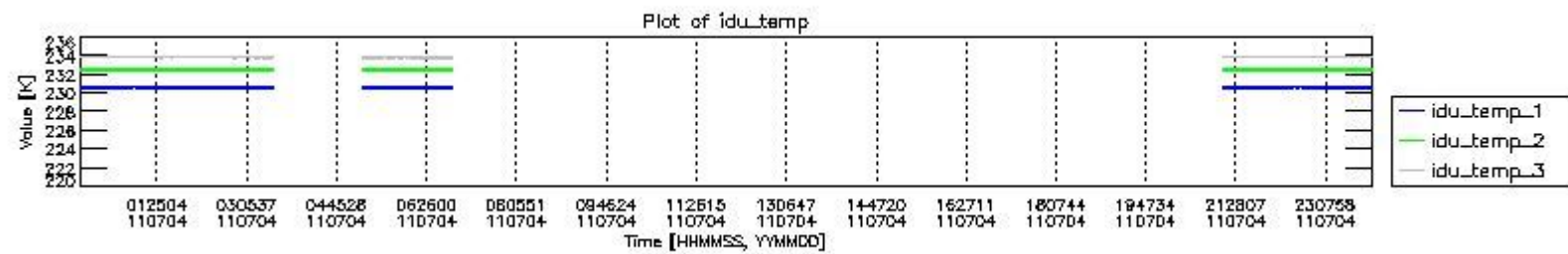
Number of igm samples	Count [#]	Count [%]
81404	1	0.0072743144
93039	1	0.0072743144
100706	1	0.0072743144
113168	1	0.0072743144
124800	12782	92.980287
124803	959	6.9760675
125958	1	0.0072743144
127116	1	0.0072743144



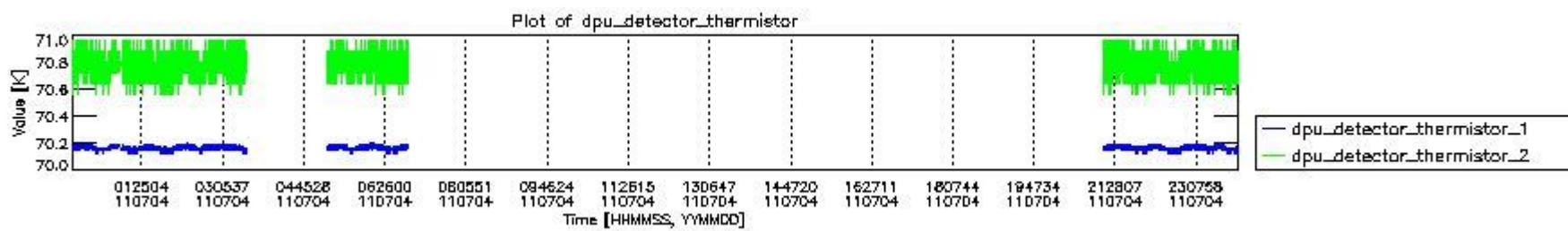
mipas_daily_report_level0_KSPT_L0_4504_N_20110704_0.PNG



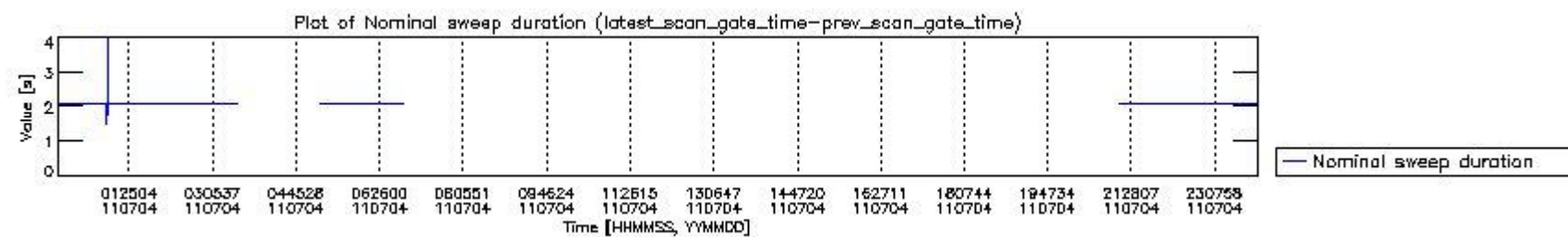
mipas_daily_report_level0_KSPT_L0_4504_N_20110704_1.PNG



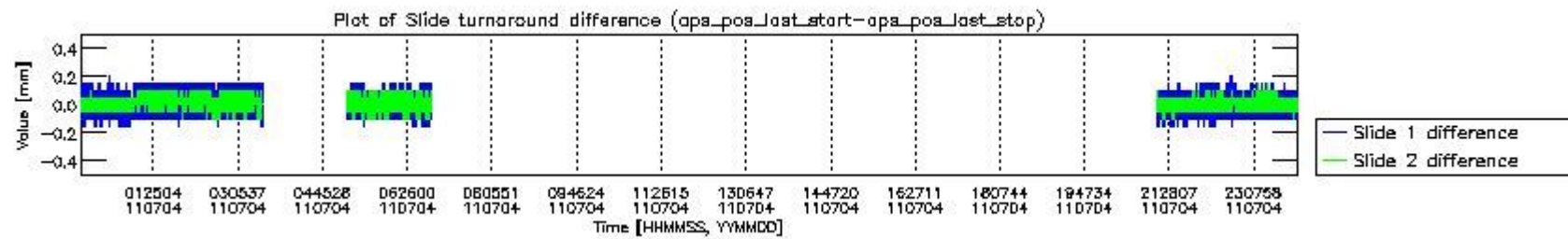
mipas_daily_report_level0_KSPT_L0_4504_N_20110704_2.PNG



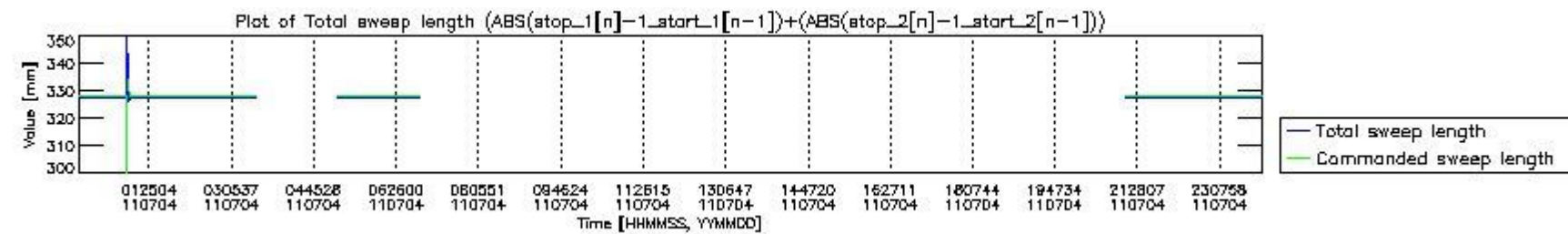
mipas_daily_report_level0_KSPT_L0_4504_N_20110704_3.PNG



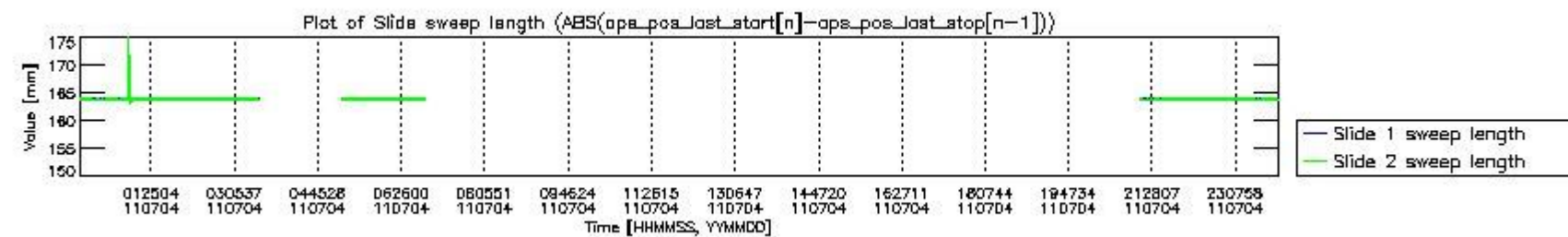
mipas_daily_report_level0_KSPT_L0_4504_N_20110704_4.PNG



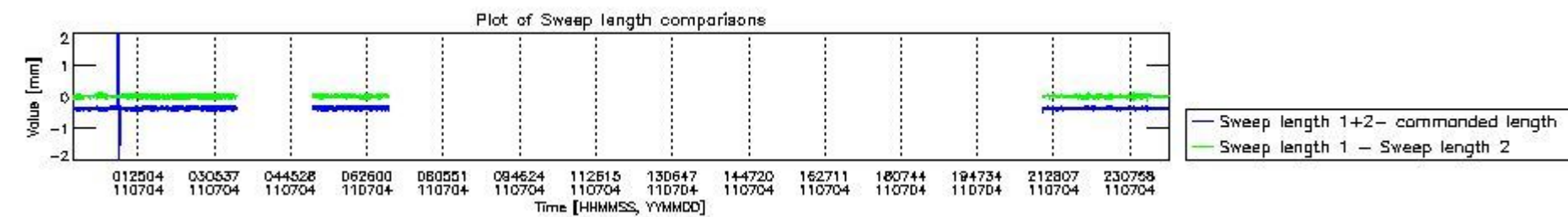
mipas_daily_report_level0_KSPT_L0_4504_N_20110704_5.PNG



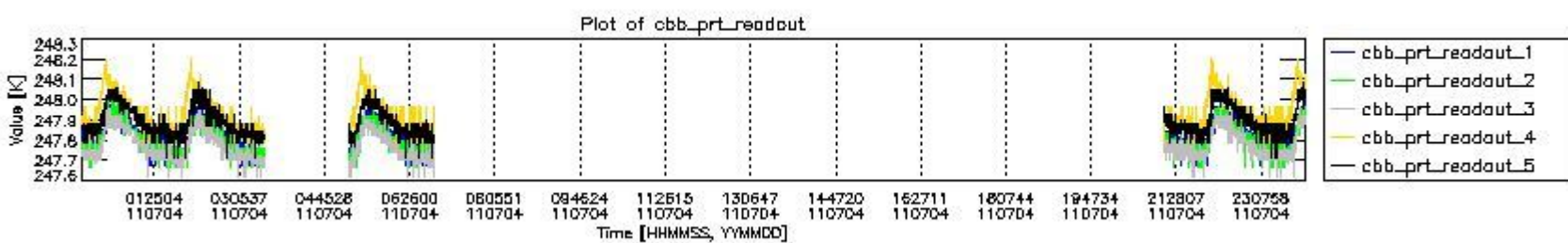
mipas_daily_report_level0_KSPT_L0_4504_N_20110704_6.PNG



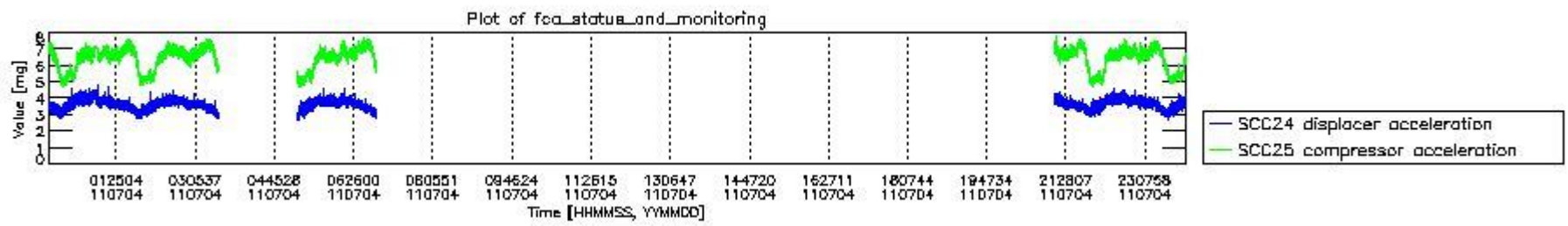
mipas_daily_report_level0_KSPT_L0_4504_N_20110704_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110704_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110704_9.PNG

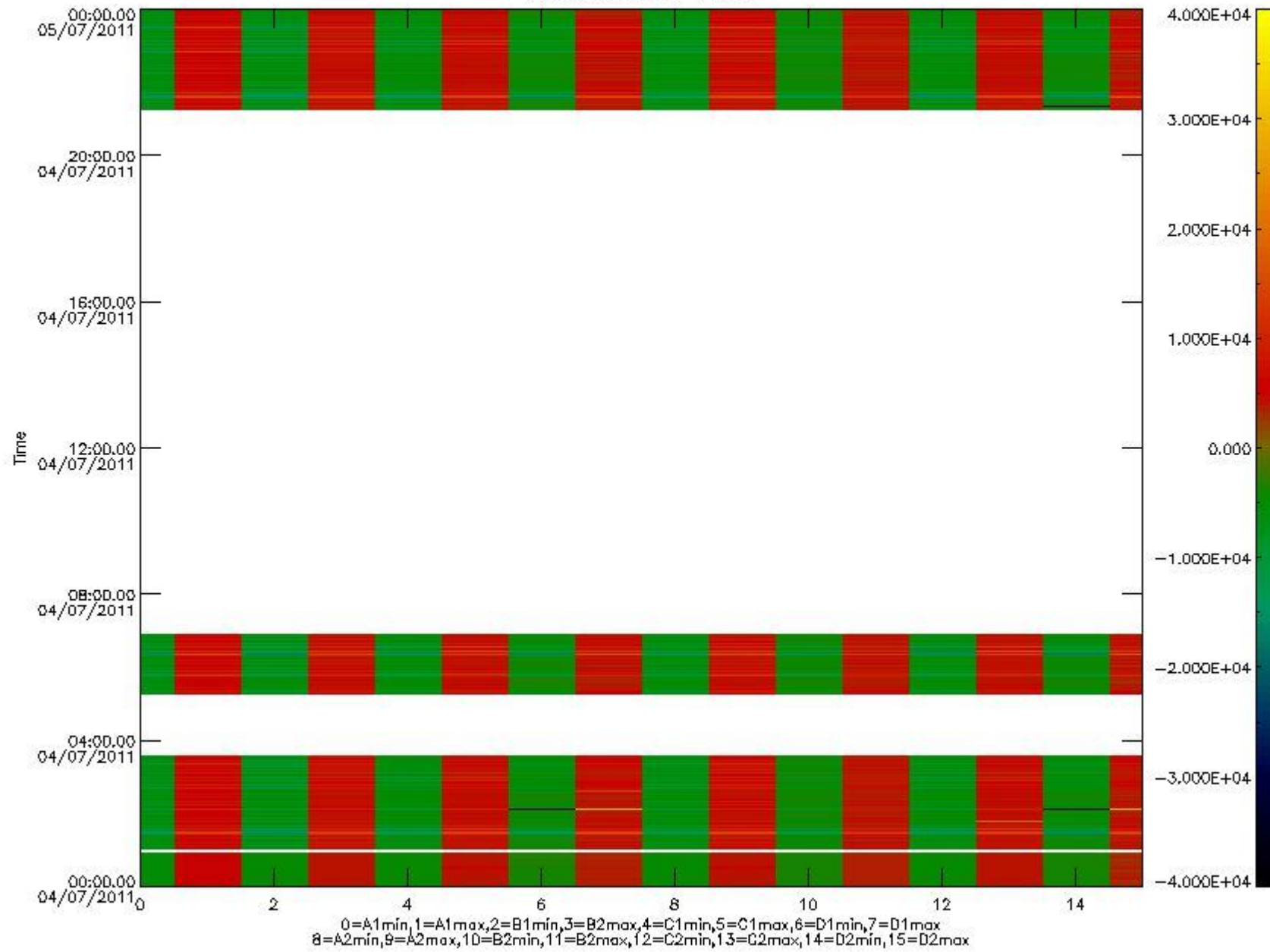


mipas_daily_report_level0_KSPT_L0_4504_N_20110704_10.PNG

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

Channel	Min	Max	ADC
A1	-18702	19524	16bit
B1	-19826	17671	16bit
C1	-25820	25606	16bit
D1	-32768	32767	16bit
A2	-15799	19291	16bit
B2	-17780	17481	16bit
C2	-26109	25589	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_20110704_11.PNG

0.3 ADF monitoring

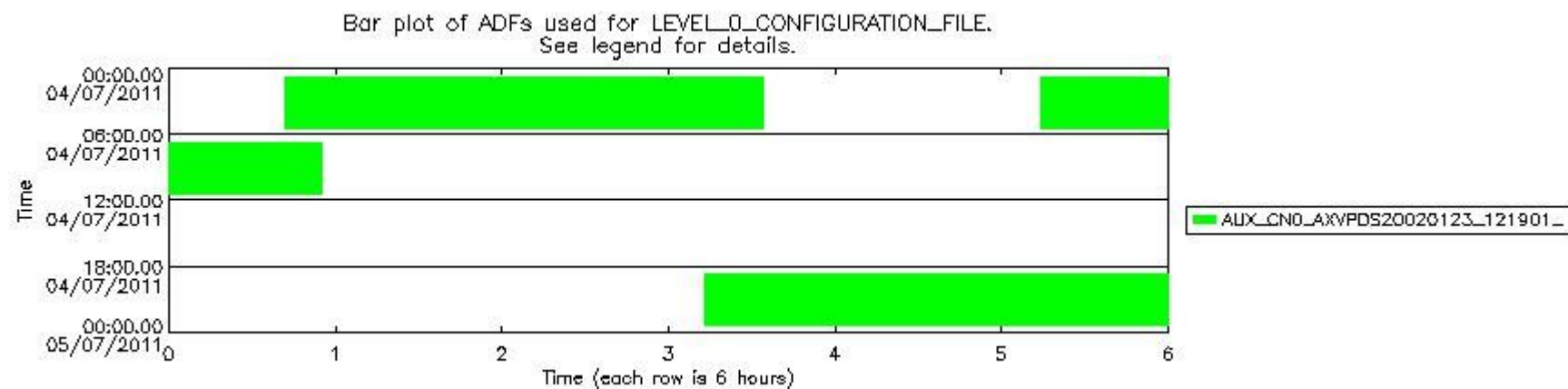
The use of ADFs is shown in two ways:

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.

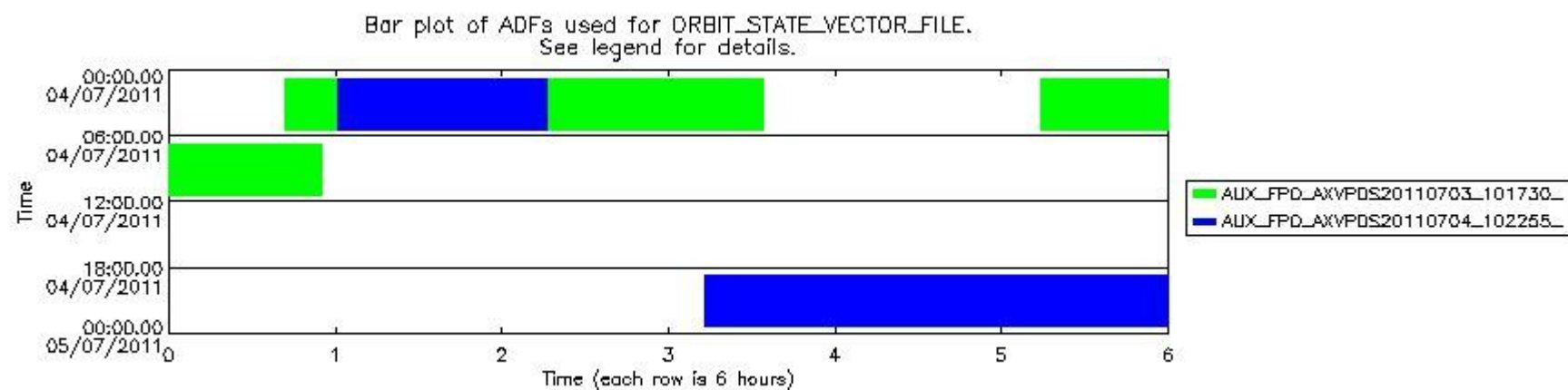
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110703_101730_20110702_184855_20110712_210242
2	AUX_FPO_AXVPDS20110704_102255_20110703_195225_20110713_202558

Number	Product name	#CN0	#FPO
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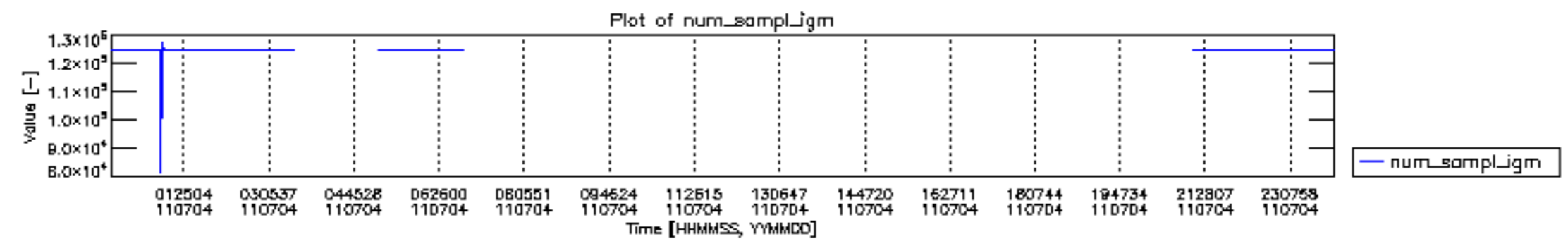
0	MIP_NL__0PNPDE20110704_004207_000057763104_00131_48852_9164.N1	0	1
1	MIP_NL__0PNPDE20110704_010056_000046463104_00132_48853_9168.N1	0	2
2	MIP_NL__0PNPDE20110704_021703_000046213104_00132_48853_9165.N1	0	1
3	MIP_NL__0PNPDE20110704_051416_000060443104_00134_48855_9167.N1	0	1
4	MIP_NL__0PNPDE20110704_211310_000042683104_00144_48865_9169.N1	0	2
5	MIP_NL__0PNPDE20110704_222314_000062003104_00144_48865_9170.N1	0	2

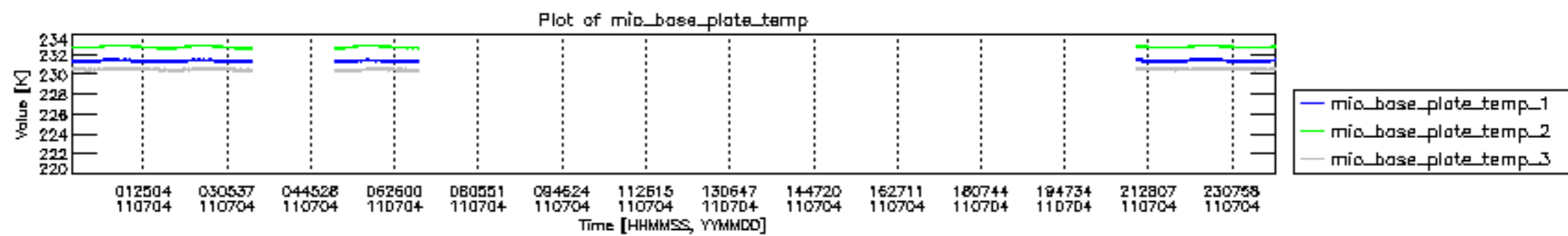


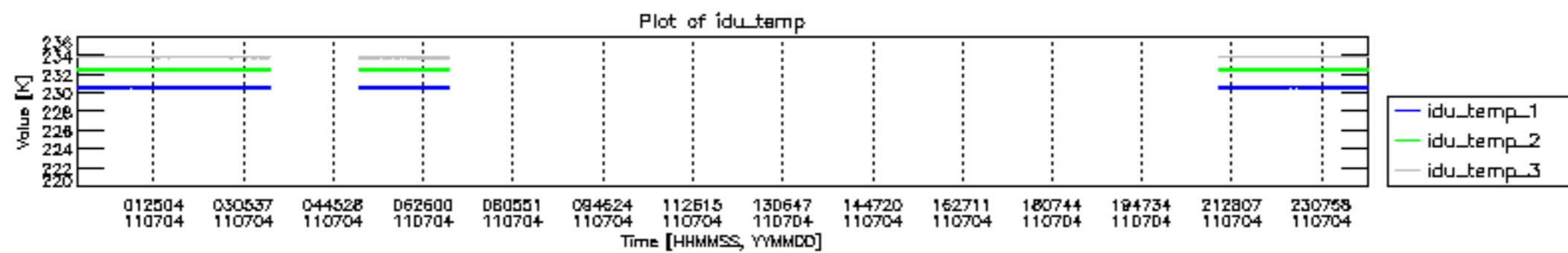
mipas_daily_report_level0_KSPT_L0_4504_N_20110704_12.PNG

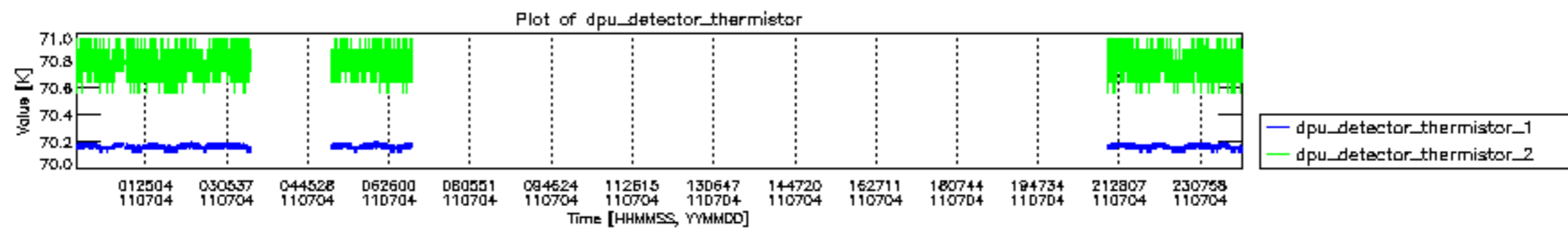


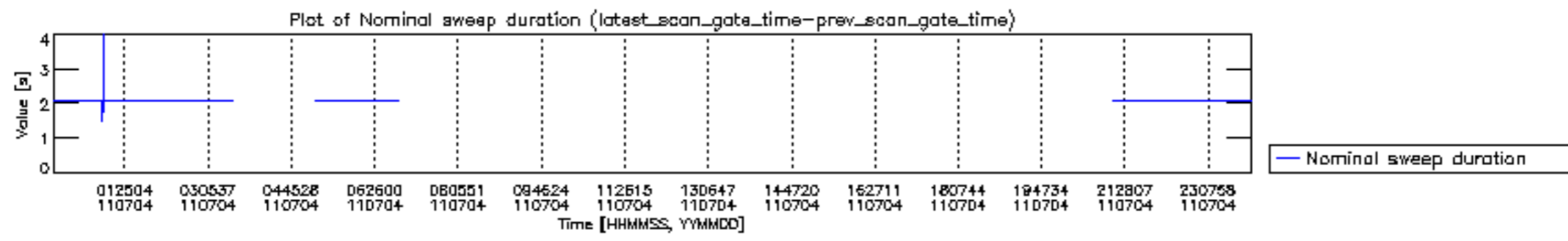
mipas_daily_report_level0_KSPT_L0_4504_N_20110704_13.PNG

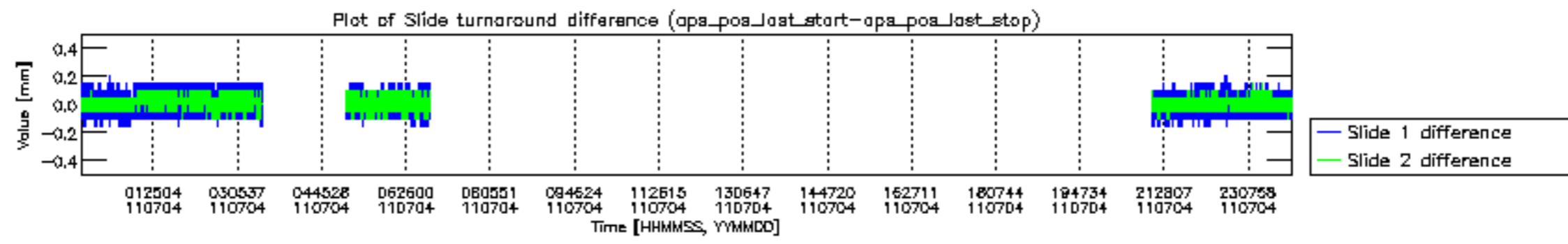


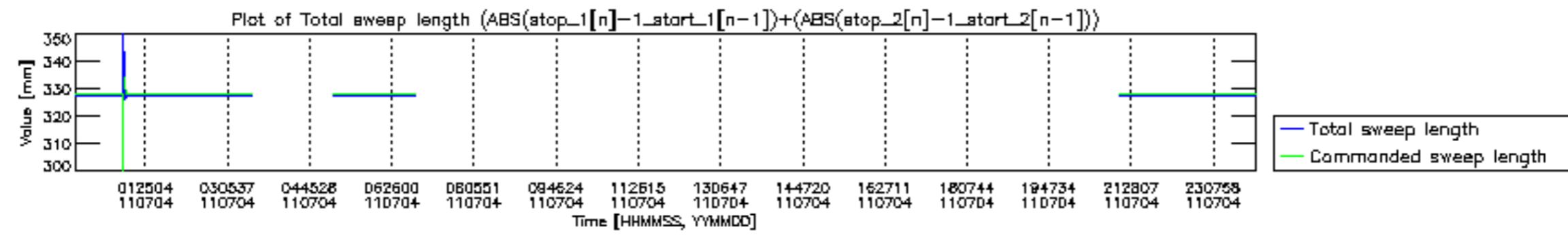


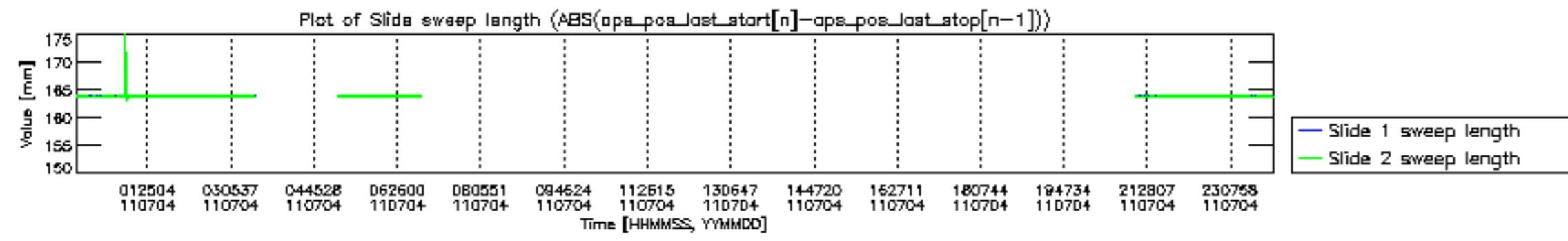


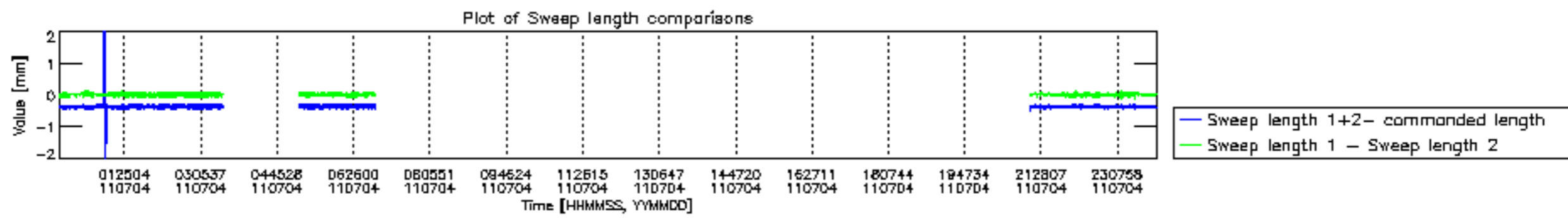


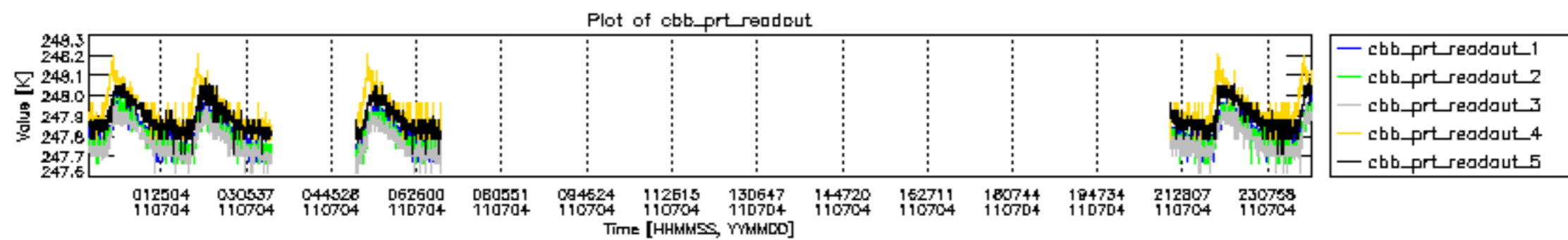


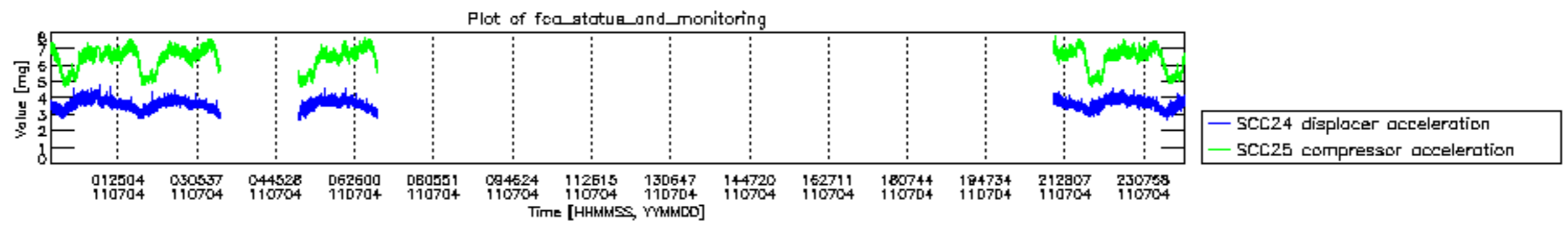












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

