

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	31OCT2011 05:24:10
Data source version	KSPT_L0/4504-N
Processing scope for products	26OCT2011 00:00:00 to 27OCT2011 00:00:00
Start time of first product within scope	26OCT2011 03:52:29
Stop time of last product within scope	26OCT2011 05:36:37
Total number of level 0 products	1
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.

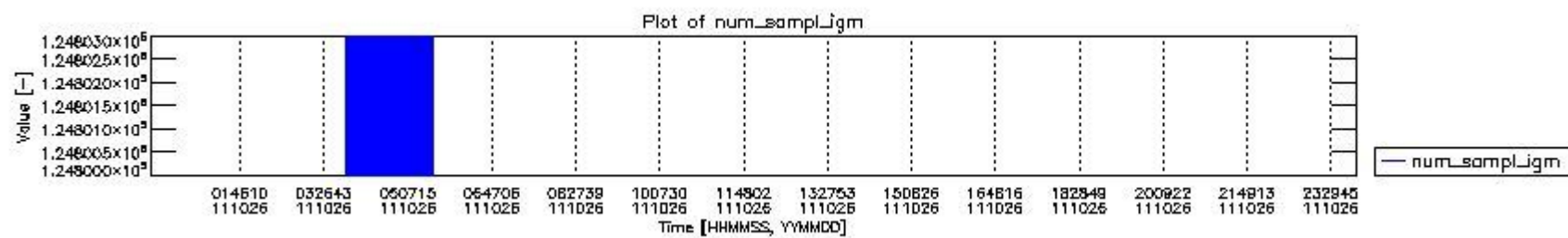
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20111026_035229_000062483108_00047_50492_9868.N1	26OCT2011 03:52:29	26OCT2011 05:36:37	0	0	0	0	0

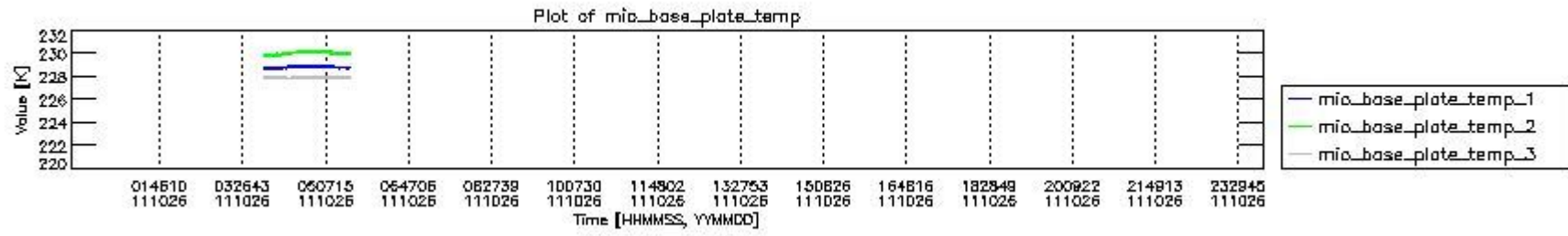
0.2 Instrument Operational Performance Parameters

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.

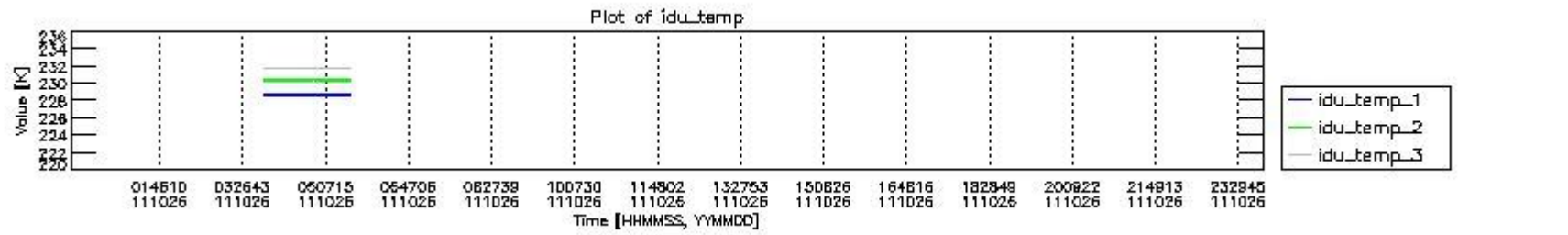
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124800	2790	93.248663
124803	202	6.7513369

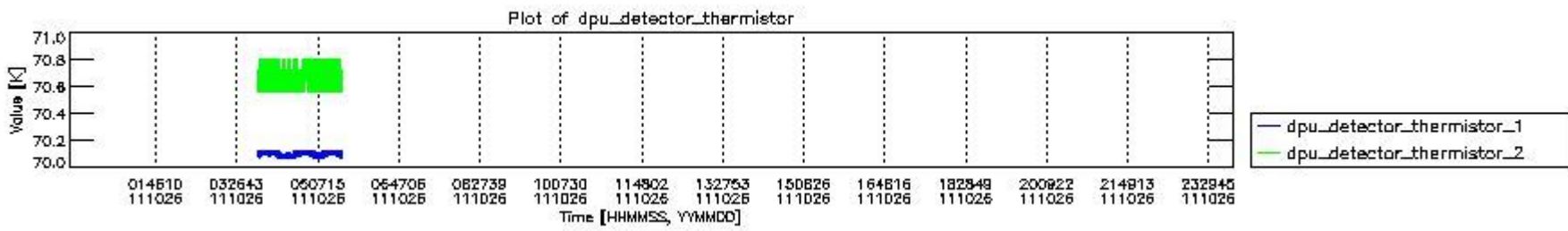




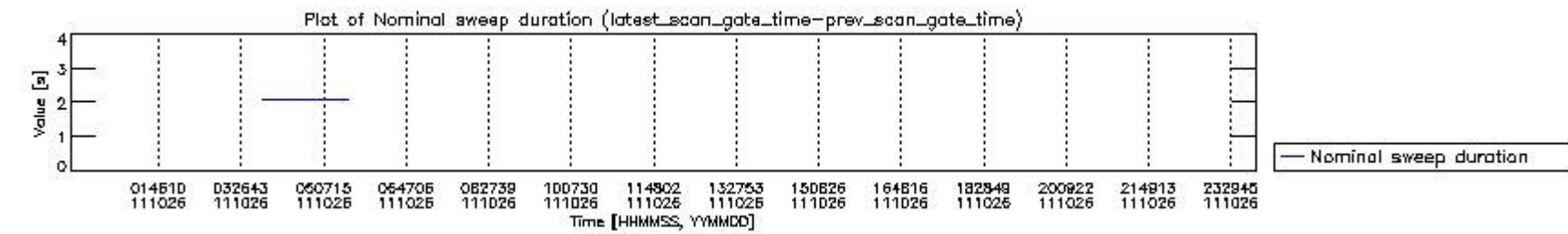
mipas_daily_report_level0_KSPT_L0_4504_N_20111026_1.PNG



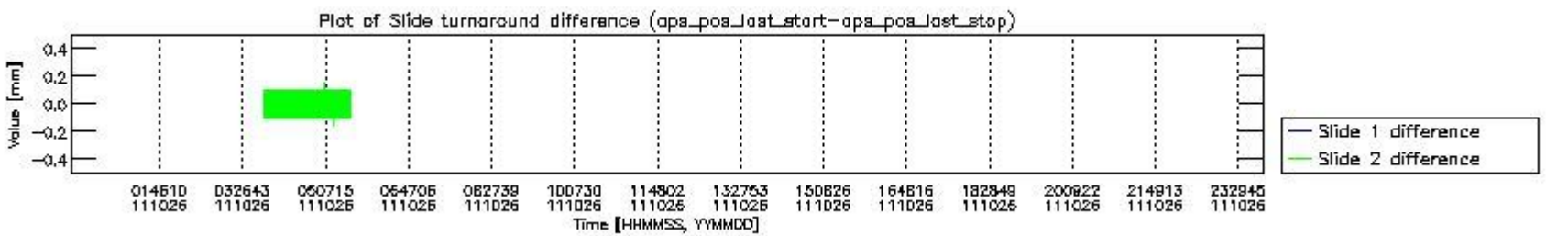
mipas_daily_report_level0_KSPT_L0_4504_N_20111026_2.PNG



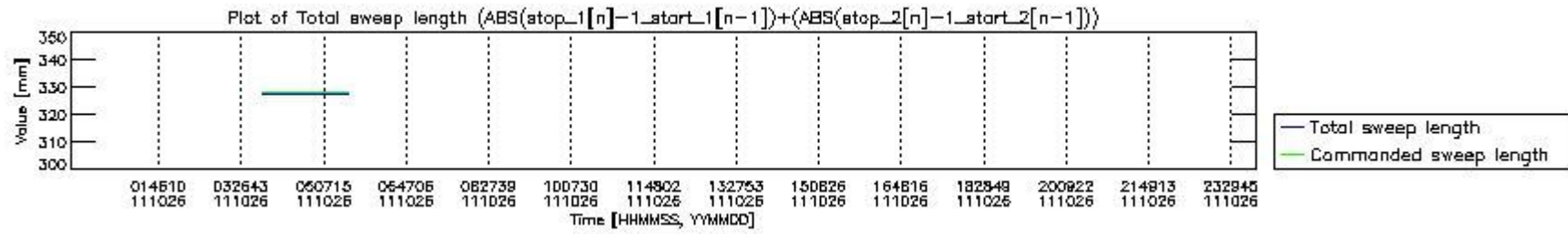
mipas_daily_report_level0_KSPT_L0_4504_N_20111026_3.PNG



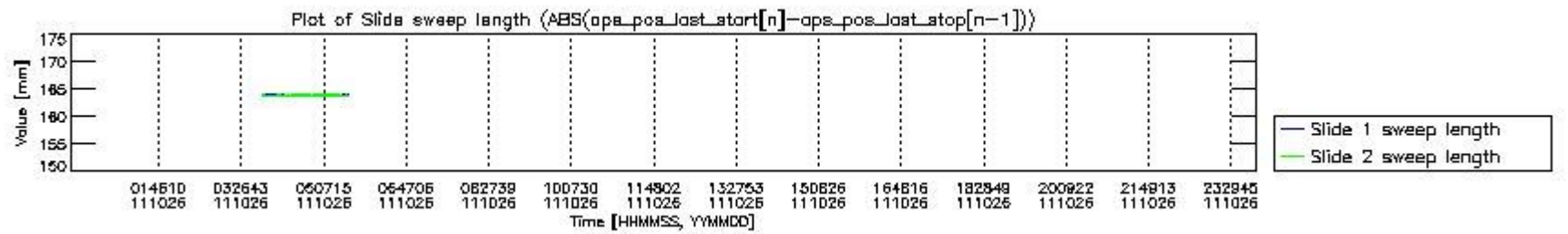
mipas_daily_report_level0_KSPT_L0_4504_N_20111026_4.PNG



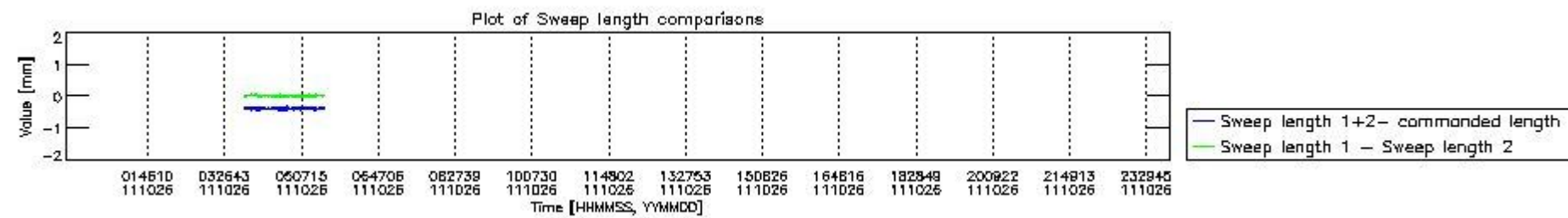
mipas_daily_report_level0_KSPT_L0_4504_N_20111026_5.PNG



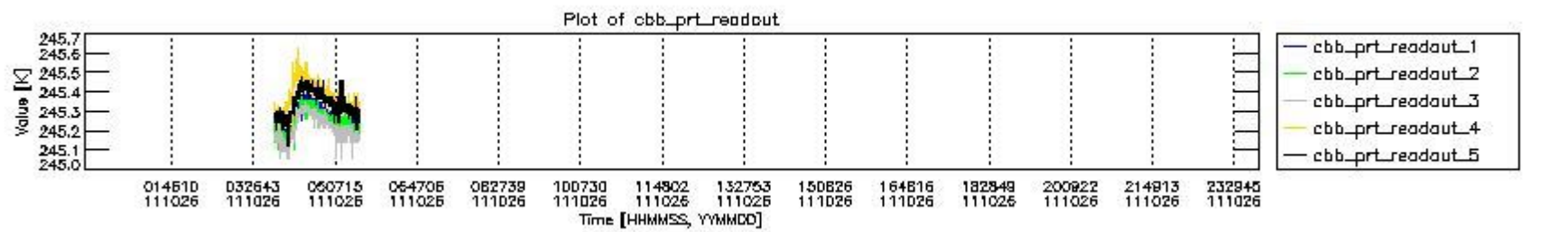
mipas_daily_report_level0_KSPT_L0_4504_N_20111026_6.PNG



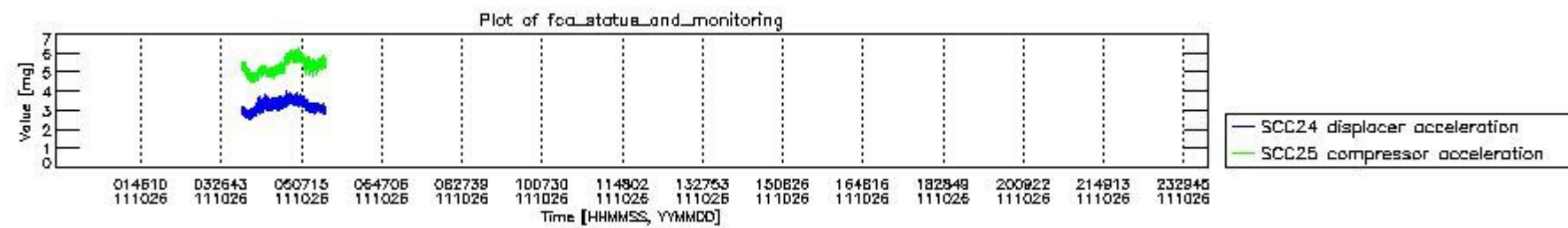
mipas_daily_report_level0_KSPT_L0_4504_N_20111026_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111026_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111026_9.PNG

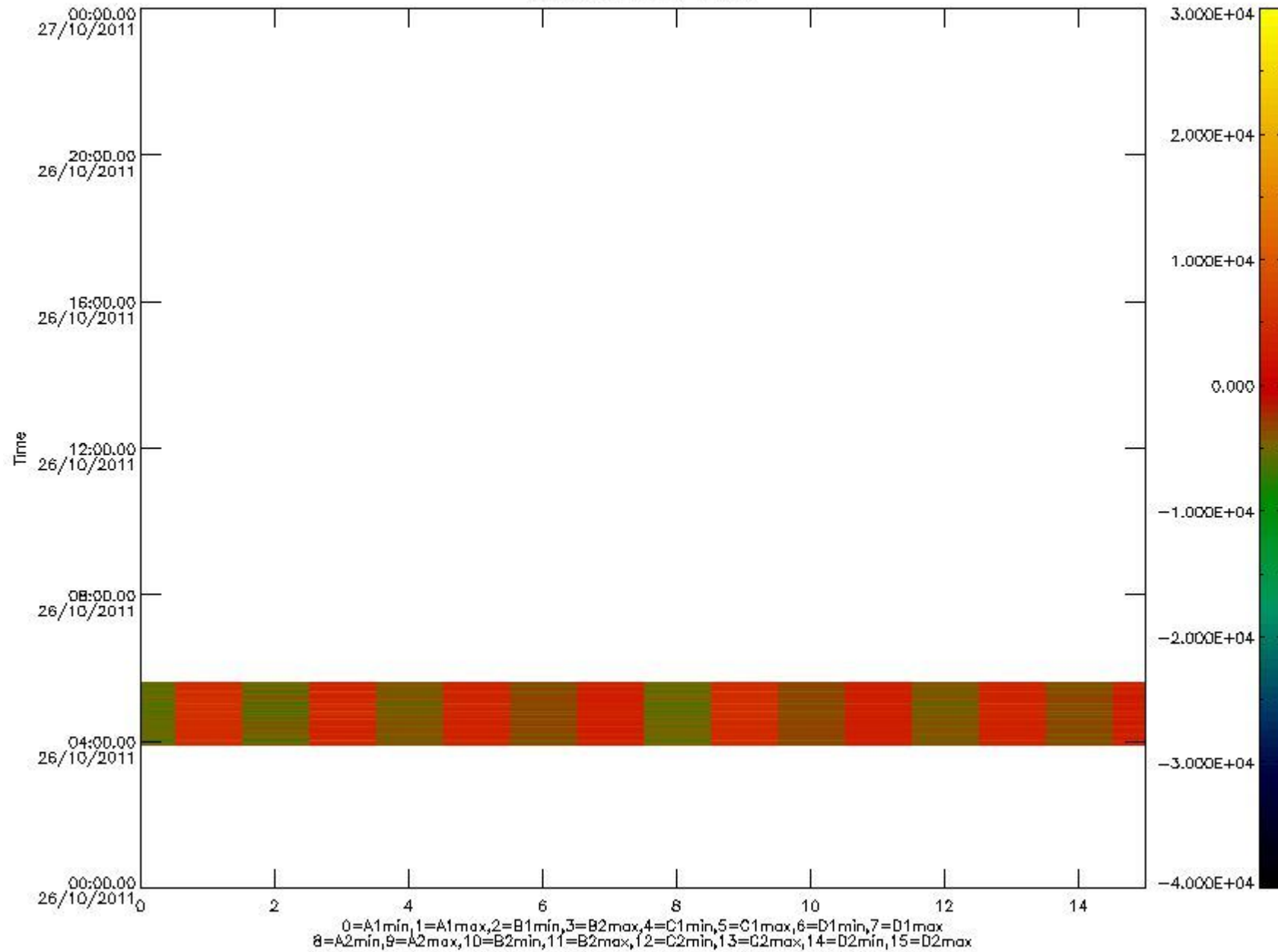


mipas_daily_report_level0_KSPT_L0_4504_N_20111026_10.PNG

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

Channel	Min	Max	ADC
A1	-8931	8977	16bit
B1	-11787	10605	16bit
C1	-19556	9950	16bit
D1	-12603	25620	16bit
A2	-9169	10455	16bit
B2	-6879	6942	16bit
C2	-10371	18569	16bit
D2	-30128	14511	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20111026_11.PNG

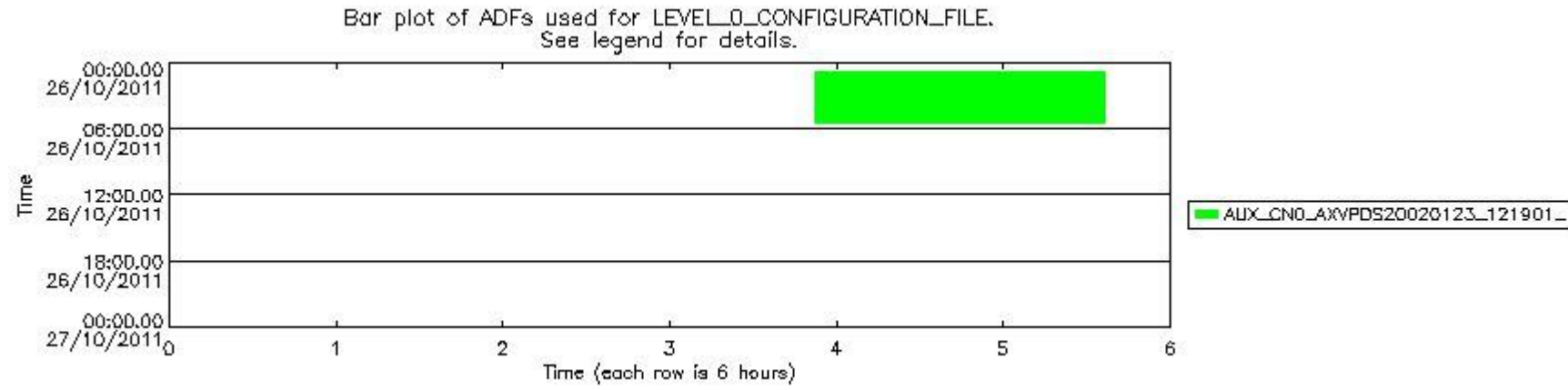
0.3 ADF monitoring

The use of ADFs is shown in two ways:

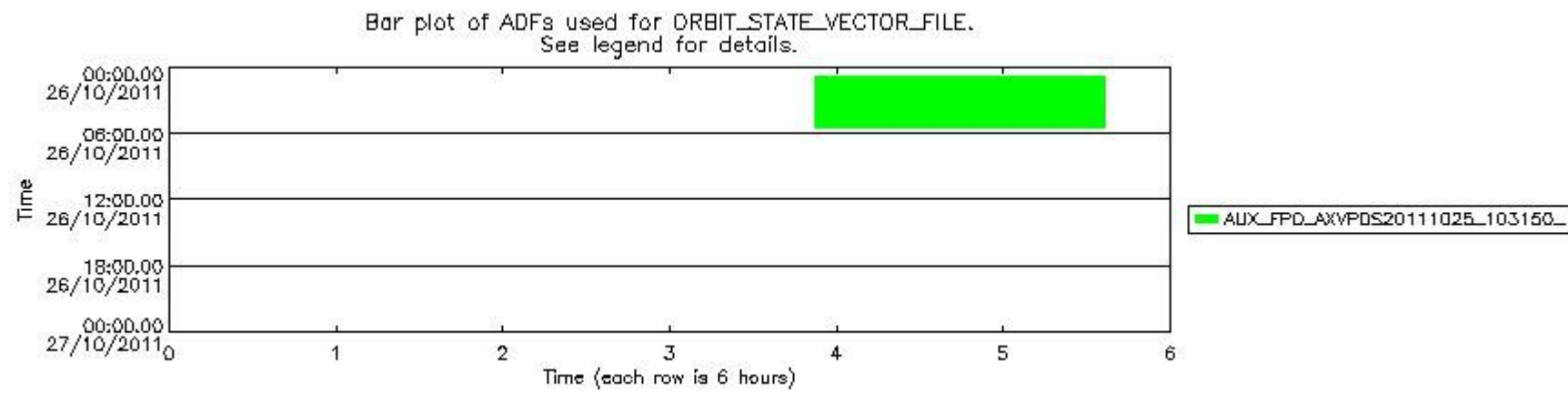
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111025_103150_20111024_191018_20111103_212401

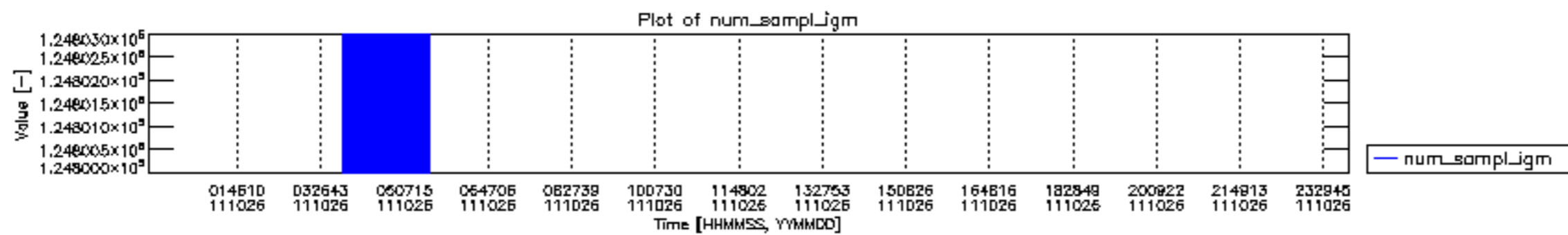
Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20111026_035229_000062483108_00047_50492_9868.N1	0	1

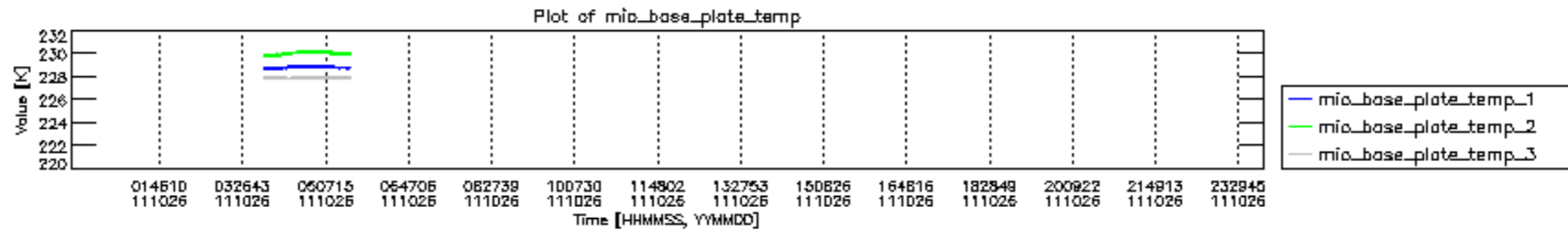


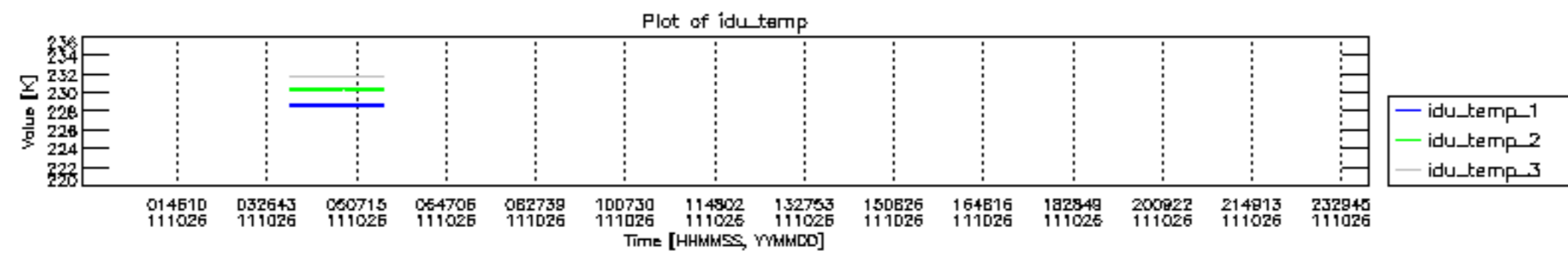
mipas_daily_report_level0_KSPT_L0_4504_N_20111026_12.PNG

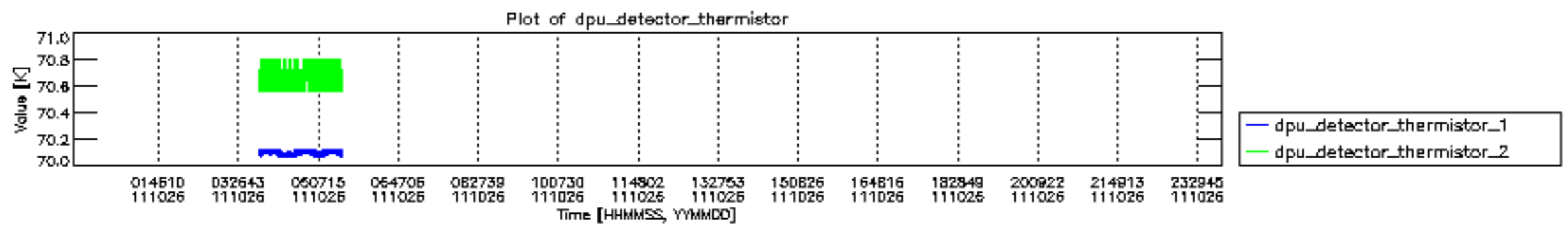


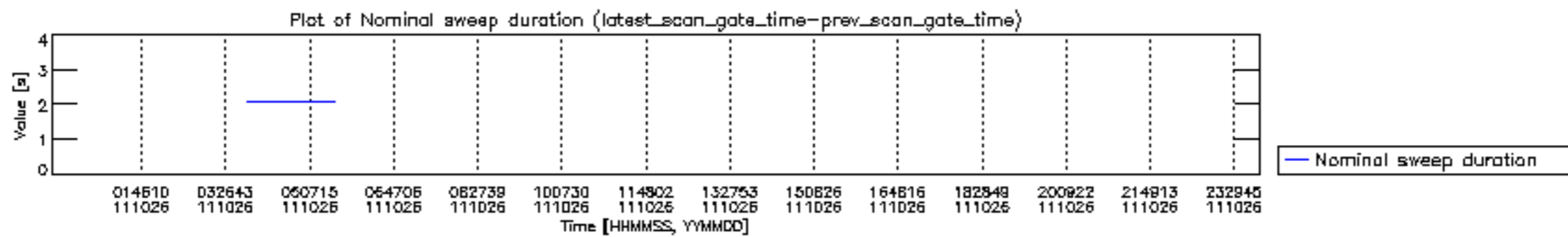
mipas_daily_report_level0_KSPT_L0_4504_N_20111026_13.PNG

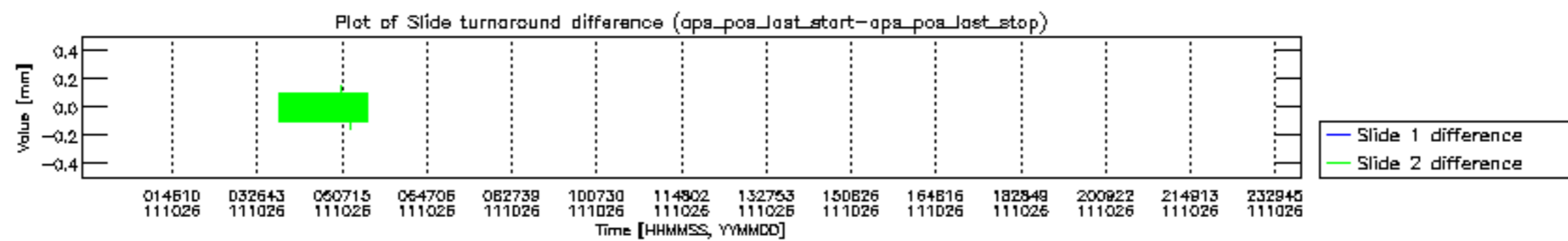


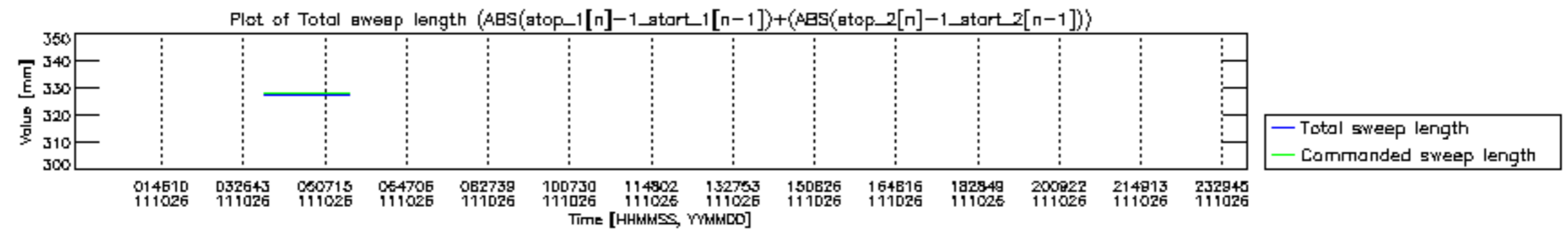


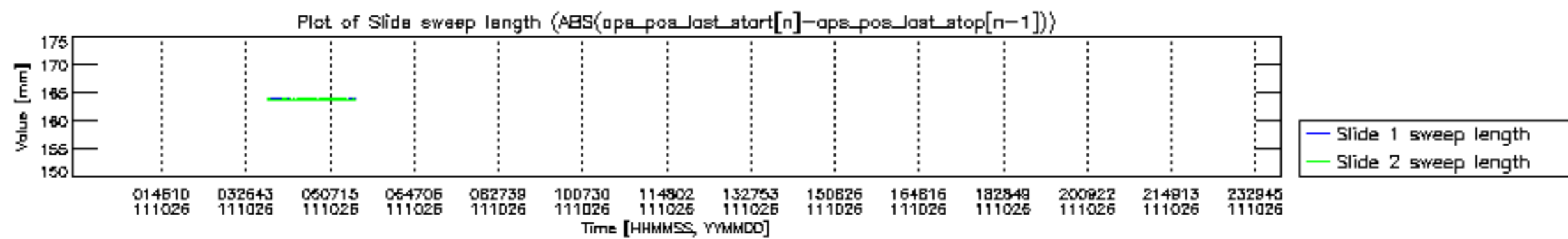


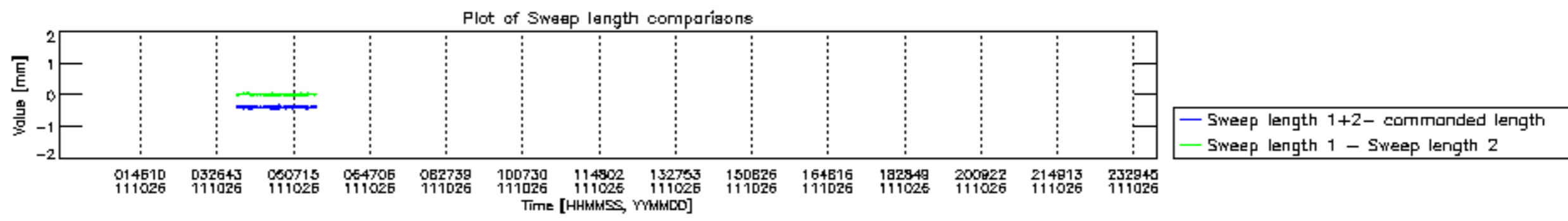


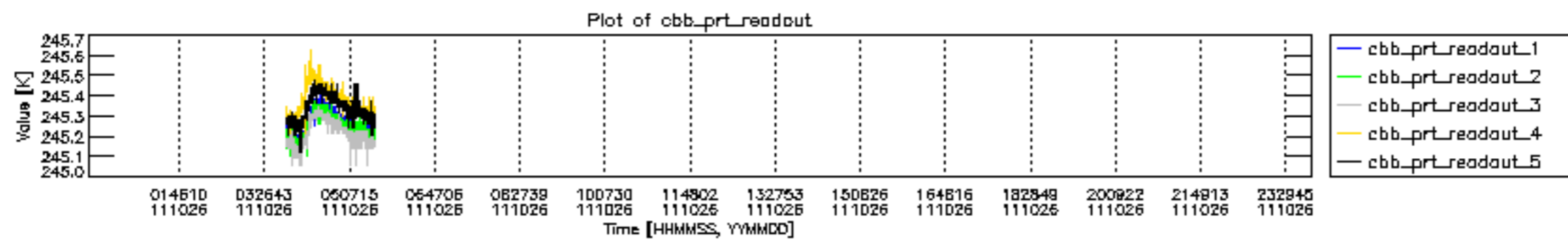


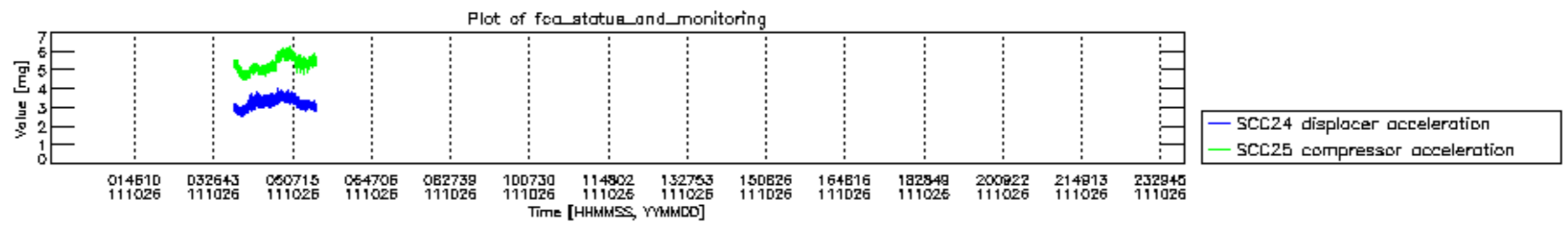












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

