

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	28JAN2012 05:24:44
Data source version	KSPT_L0/4504-N
Processing scope for products	23JAN2012 00:00:00 to 24JAN2012 00:00:00
Start time of first product within scope	23JAN2012 00:00:30
Stop time of last product within scope	23JAN2012 06:52:23
Total number of level 0 products	5
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.

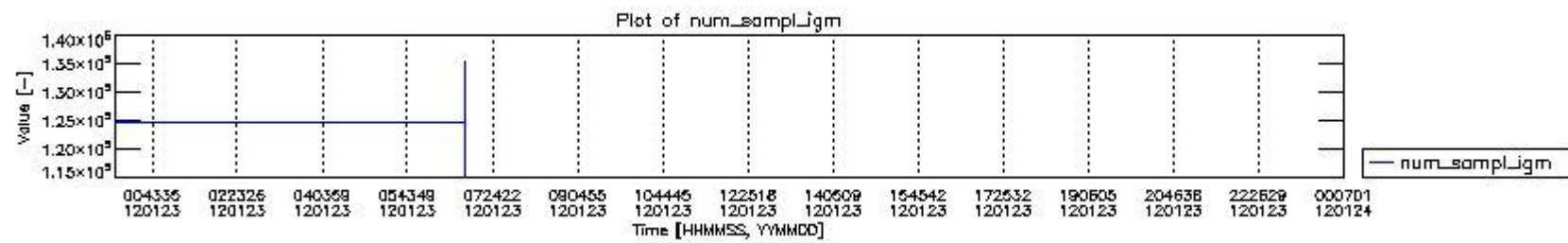
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20120123_000030_000059813111_00030_51768_5406.N1	23JAN2012 00:00:30	23JAN2012 01:40:11	0	0	0	0	0
1	MIP_NL__0PNPDE20120123_013904_000043013111_00031_51769_5407.N1	23JAN2012 01:39:04	23JAN2012 02:50:45	0	0	0	0	0
2	MIP_NL__0PNPDE20120123_025012_000061713111_00032_51770_5408.N1	23JAN2012 02:50:12	23JAN2012 04:33:03	0	0	0	0	0
3	MIP_NL__0PNPDE20120123_043229_000060963111_00033_51771_5409.N1	23JAN2012 04:32:29	23JAN2012 06:14:05	0	0	0	0	0
4	MIP_NL__0PNPDK20120123_061332_000023313111_00034_51772_8347.N1	23JAN2012 06:13:32	23JAN2012 06:52:23	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

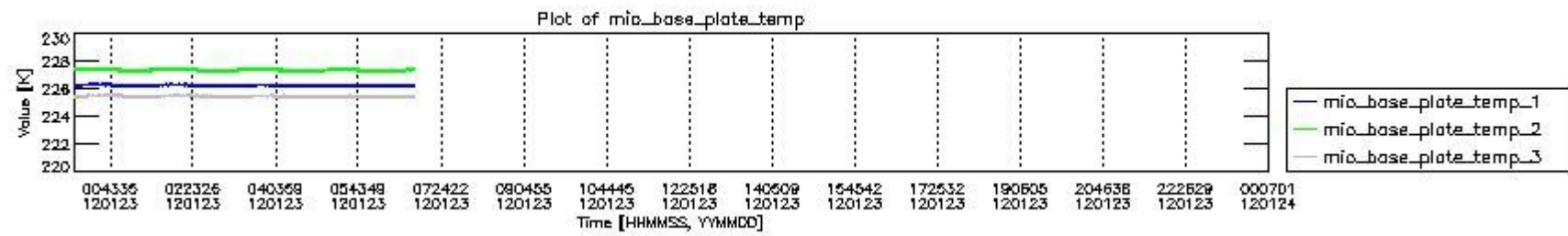
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

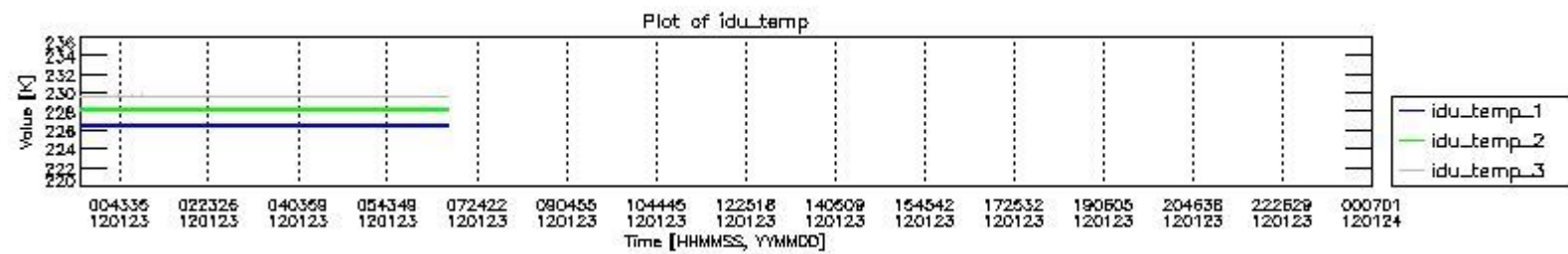
Number of igm samples	Count [#]	Count [%]
115116	1	0.0084083074
124800	11040	92.827714
124803	850	7.1470613
125564	1	0.0084083074
135248	1	0.0084083074



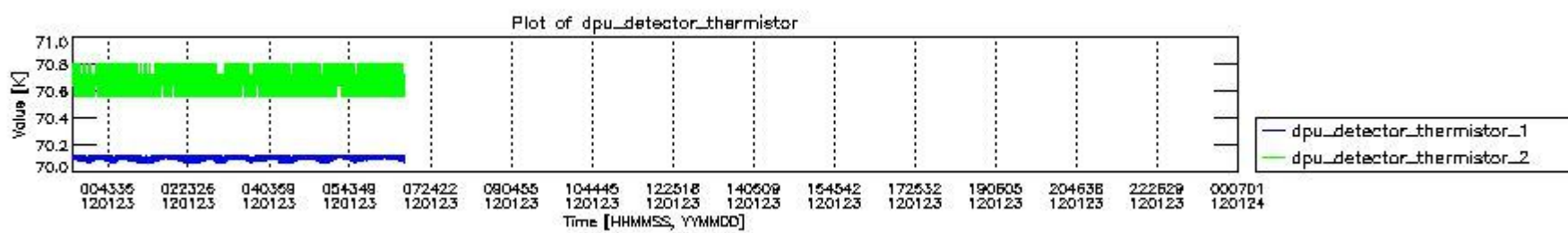
mipas_daily_report_level0_KSPT_L0_4504_N_20120123_0.PNG



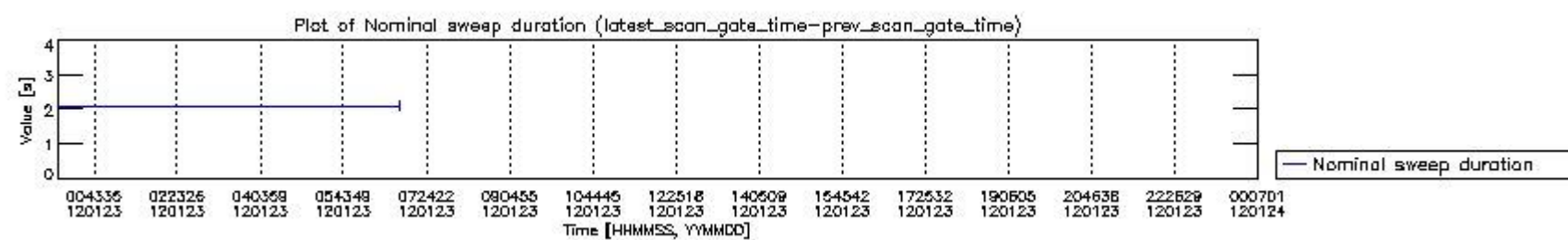
mipas_daily_report_level0_KSPT_L0_4504_N_20120123_1.PNG



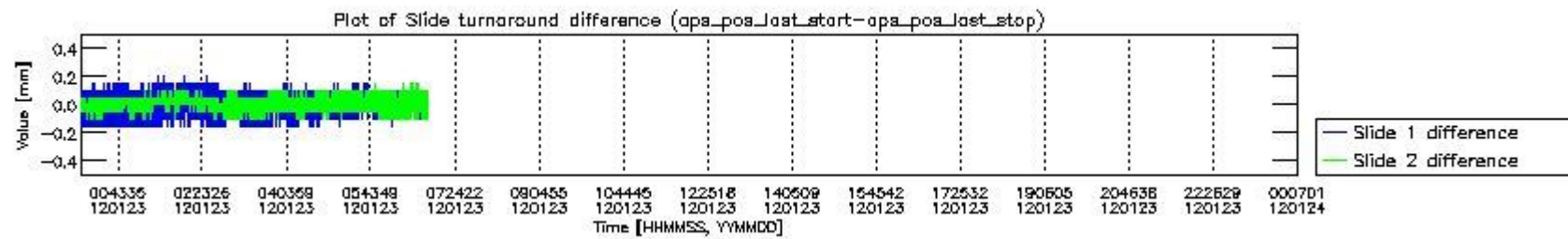
mipas_daily_report_level0_KSPT_L0_4504_N_20120123_2.PNG



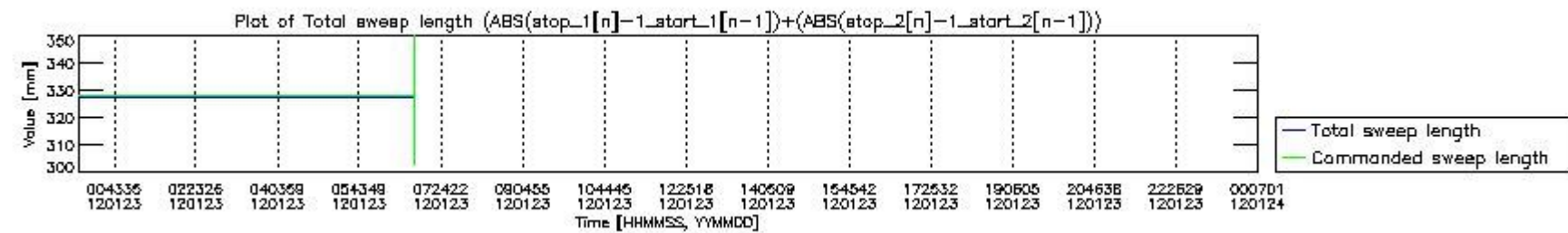
mipas_daily_report_level0_KSPT_L0_4504_N_20120123_3.PNG



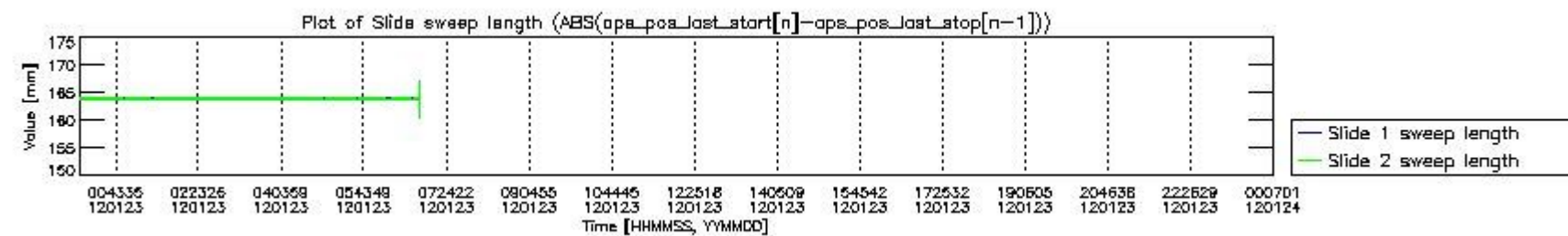
mipas_daily_report_level0_KSPT_L0_4504_N_20120123_4.PNG



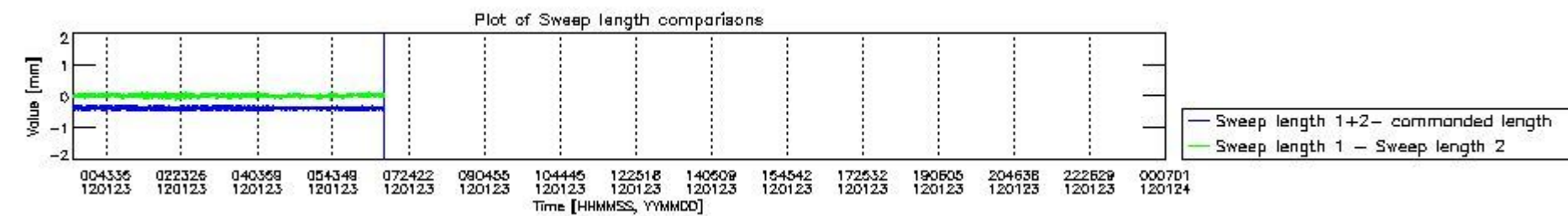
mipas_daily_report_level0_KSPT_L0_4504_N_20120123_5.PNG



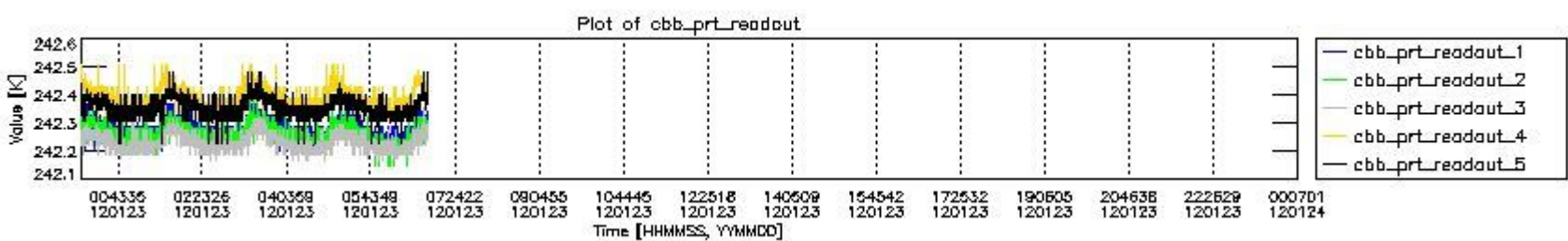
mipas_daily_report_level0_KSPT_L0_4504_N_20120123_6.PNG



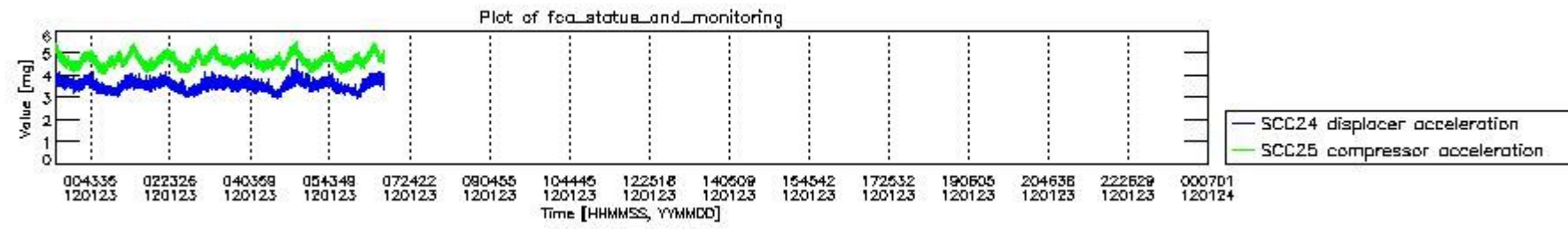
mipas_daily_report_level0_KSPT_L0_4504_N_20120123_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120123_8.PNG



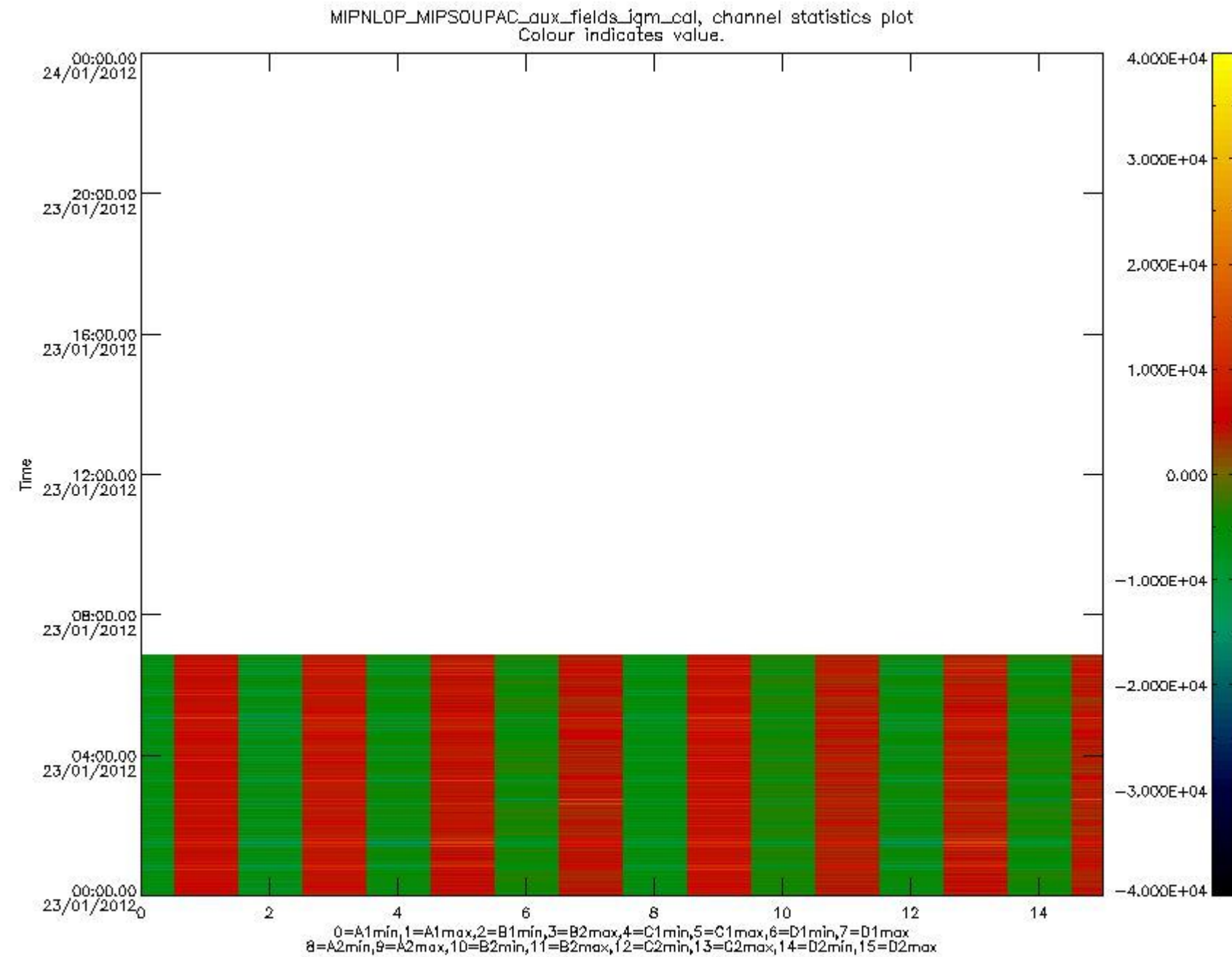
mipas_daily_report_level0_KSPT_L0_4504_N_20120123_9.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120123_10.PNG

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

Channel	Min	Max	ADC
A1	-16572	17171	16bit
B1	-16153	14714	16bit
C1	-22337	17098	16bit
D1	-22383	32767	16bit
A2	-14497	17433	16bit
B2	-13470	13310	16bit
C2	-17646	23083	16bit
D2	-32768	25608	16bit



mipas_daily_report_level0_KSPT_L0_4504_N_20120123_11.PNG

0.3 ADF monitoring

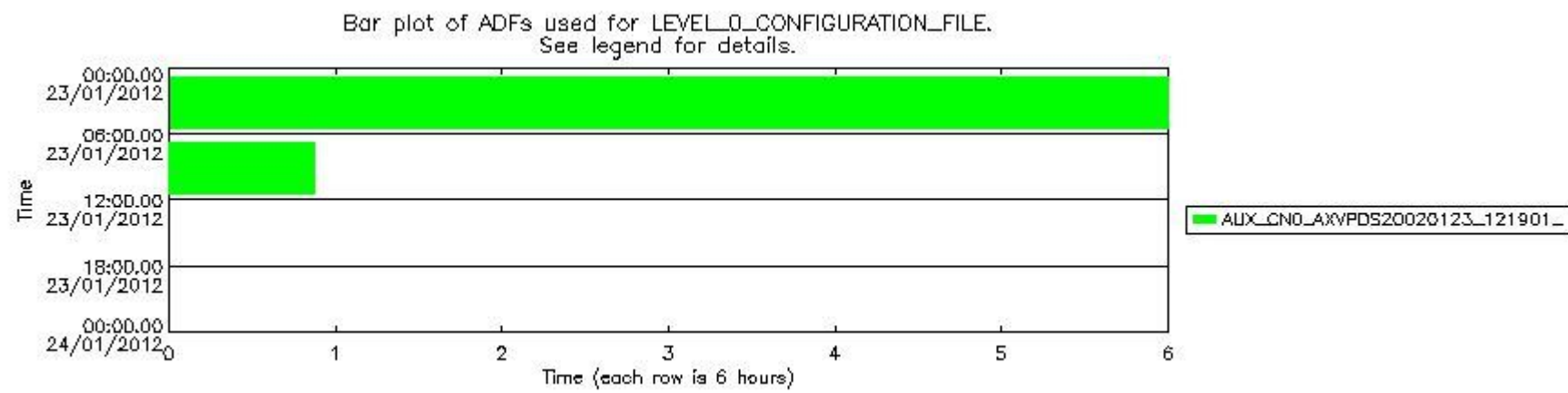
The use of ADFs is shown in two ways:

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.

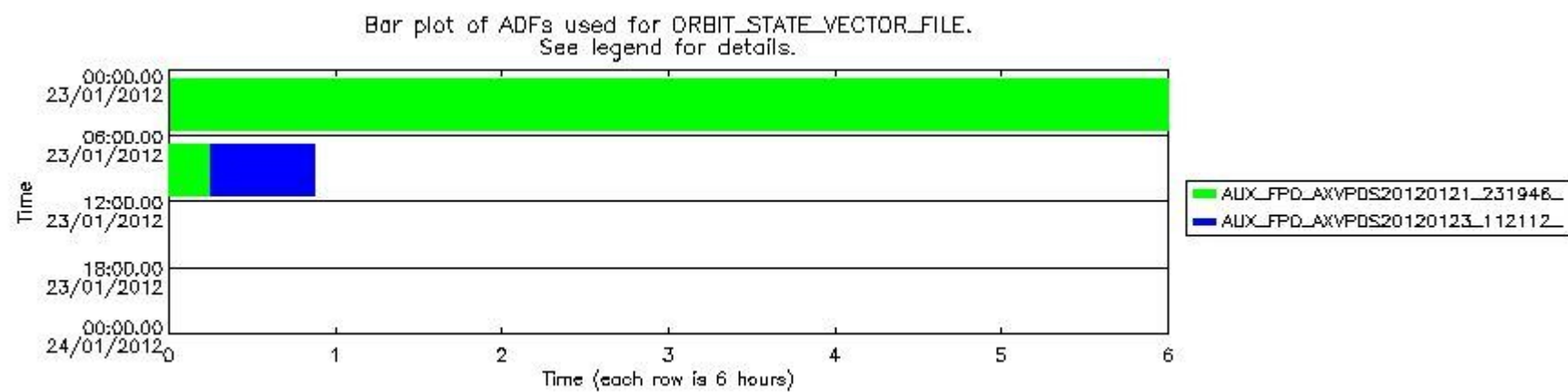
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120121_231946_20120121_194731_20120131_202056
2	AUX_FPO_AXVPDS20120123_112112_20120122_191046_20120201_212424

Number	Product name	#CN0	#FPO
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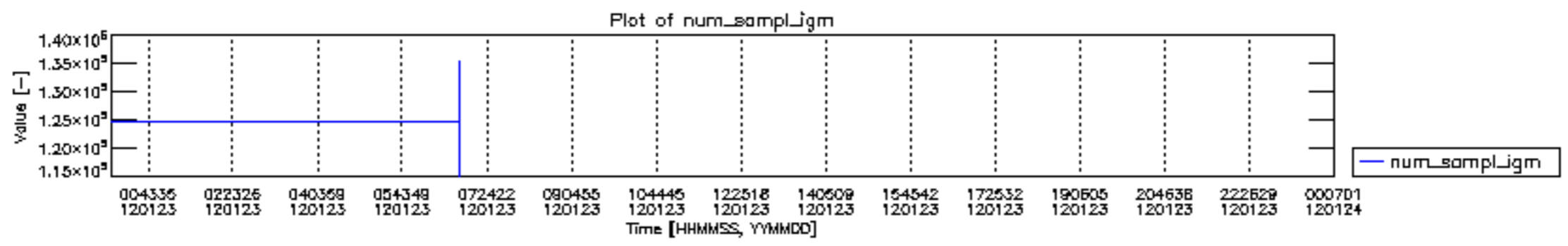
0	MIP_NL__0PNPDE20120123_000030_000059813111_00030_51768_5406.N1	0	1
1	MIP_NL__0PNPDE20120123_013904_000043013111_00031_51769_5407.N1	0	1
2	MIP_NL__0PNPDE20120123_025012_000061713111_00032_51770_5408.N1	0	1
3	MIP_NL__0PNPDE20120123_043229_000060963111_00033_51771_5409.N1	0	1
4	MIP_NL__0PNPDK20120123_061332_000023313111_00034_51772_8347.N1	0	2

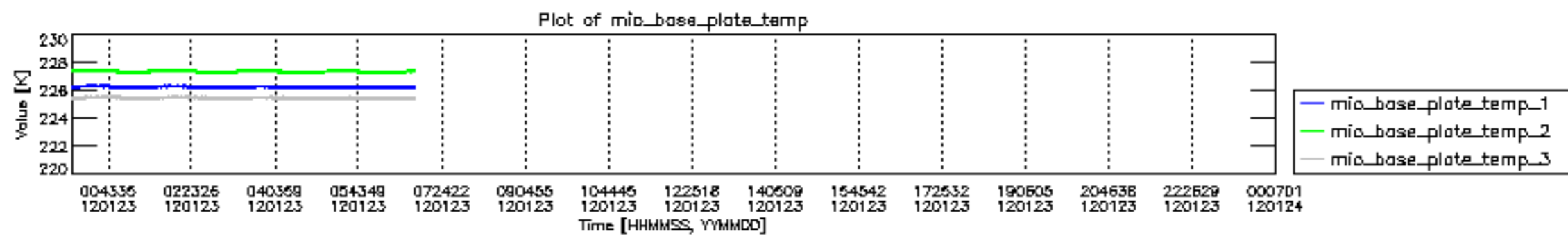


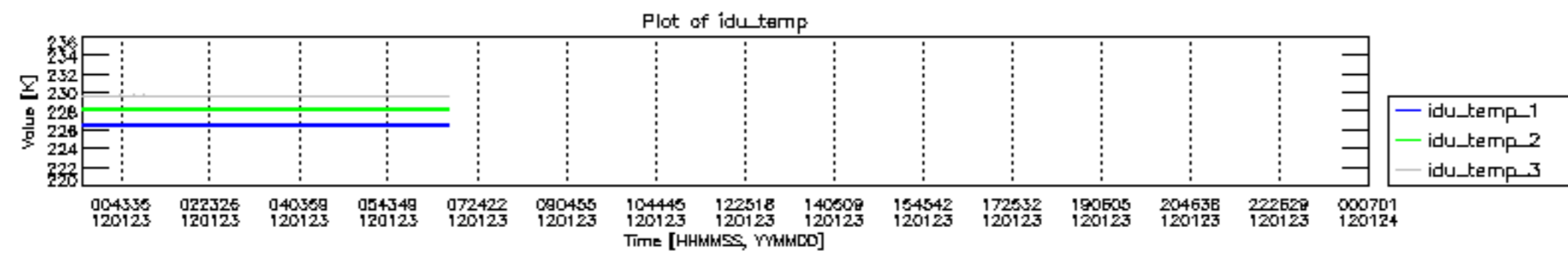
mipas_daily_report_level0_KSPT_L0_4504_N_20120123_12.PNG

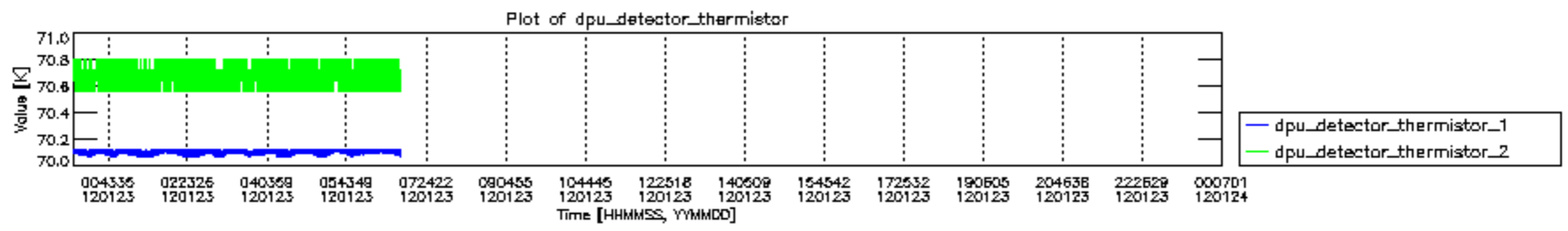


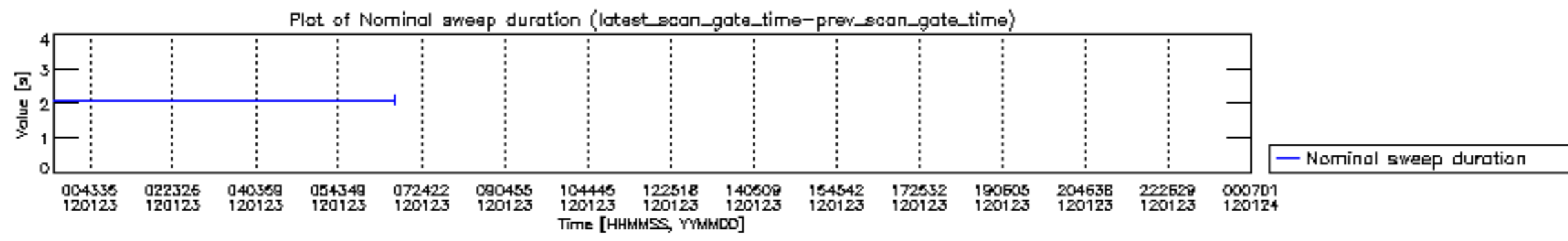
mipas_daily_report_level0_KSPT_L0_4504_N_20120123_13.PNG

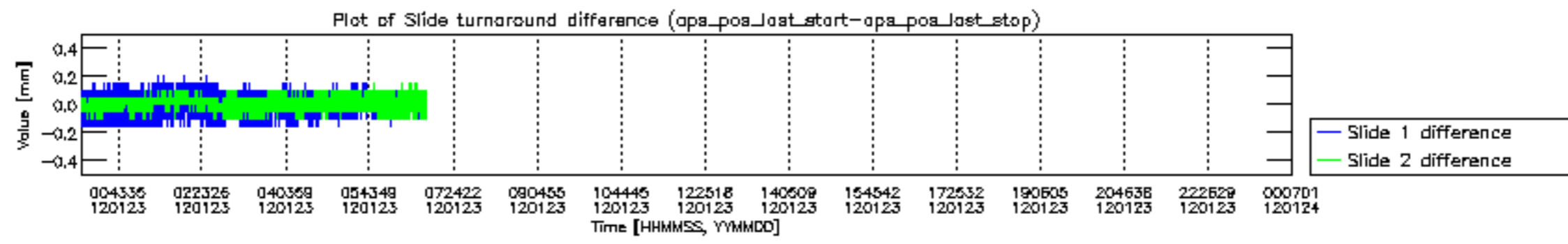


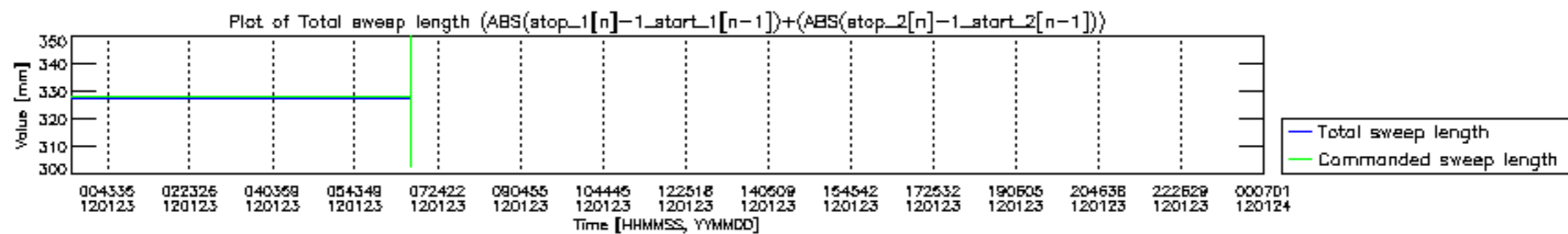


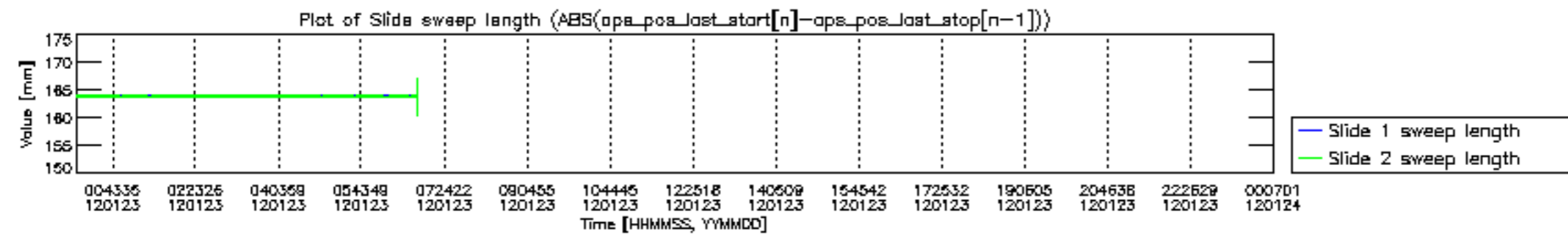


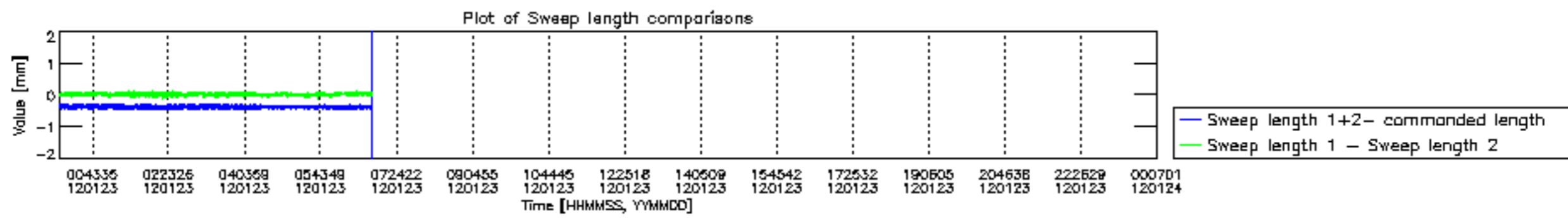


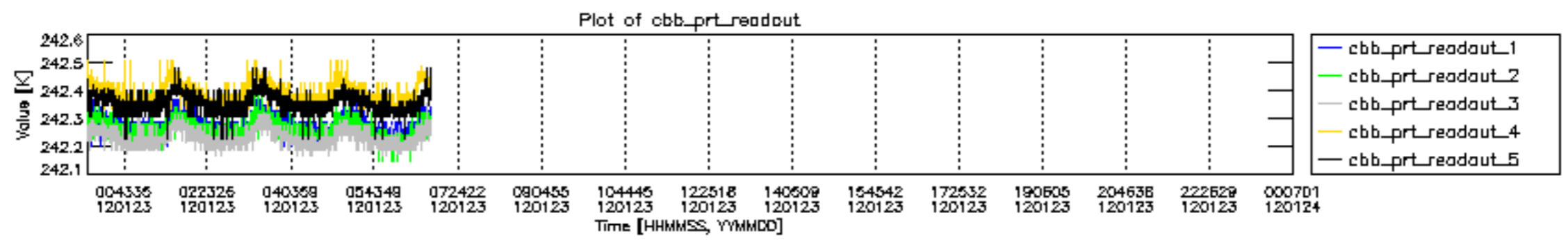


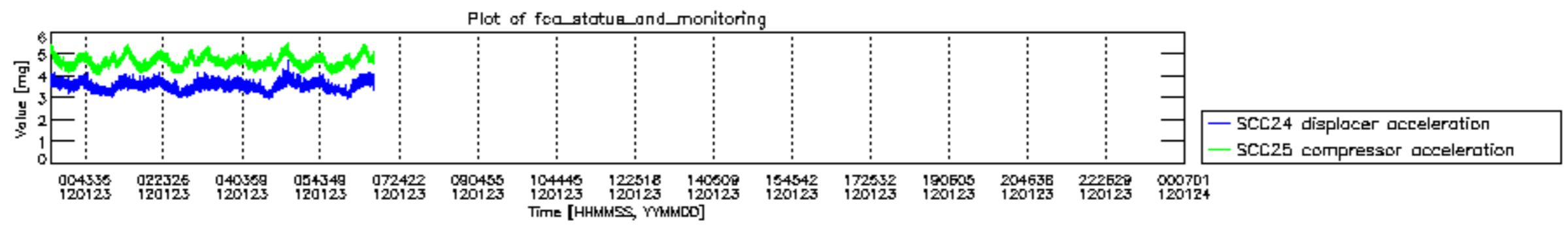












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

