

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	09MAR2012 05:22:57
Data source version	KSPT_L0/4504-N
Processing scope for products	04MAR2012 00:00:00 to 05MAR2012 00:00:00
Start time of first product within scope	04MAR2012 01:35:58
Stop time of last product within scope	05MAR2012 01:00:02
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.

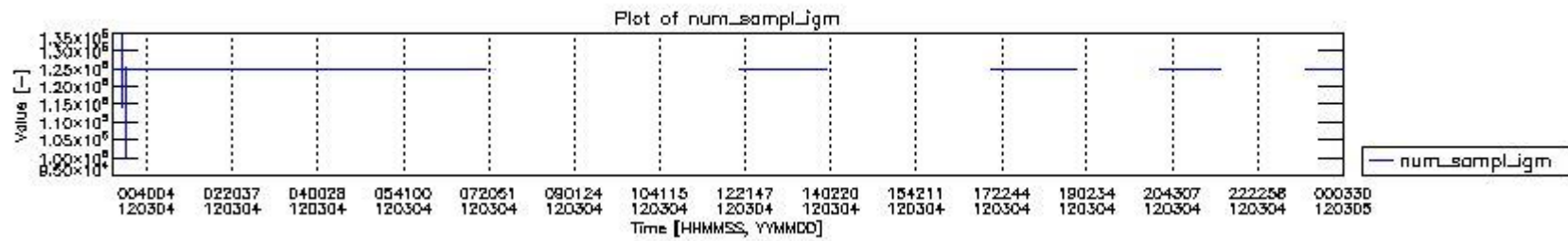
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20120304_013558_000043313112_00189_52358_1154.N1	04MAR2012 01:35:58	04MAR2012 02:48:08	0	0	0	0	0
1	MIP_NL__0PNPDE20120304_024735_000061373112_00190_52359_1155.N1	04MAR2012 02:47:35	04MAR2012 04:29:52	0	0	0	0	0
2	MIP_NL__0PNPDE20120304_042917_000060873112_00191_52360_1157.N1	04MAR2012 04:29:17	04MAR2012 06:10:44	0	0	0	0	0
3	MIP_NL__0PNPDK20120304_061011_000040733112_00192_52361_8785.N1	04MAR2012 06:10:11	04MAR2012 07:18:04	0	0	0	0	0
4	MIP_NL__0PNPDK20120304_121524_000060563112_00196_52365_8789.N1	04MAR2012 12:15:24	04MAR2012 13:56:20	0	0	0	0	0
5	MIP_NL__0PNPDK20120304_171013_000059453112_00199_52368_8792.N1	04MAR2012 17:10:13	04MAR2012 18:49:18	0	0	0	0	0
6	MIP_NL__0PNPDE20120304_202736_000043243112_00201_52370_1158.N1	04MAR2012 20:27:36	04MAR2012 21:39:40	0	0	0	0	0
7	MIP_NL__0PNPDE20120304_232009_000059933112_00202_52371_1160.N1	04MAR2012 23:20:09	05MAR2012 01:00:02	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

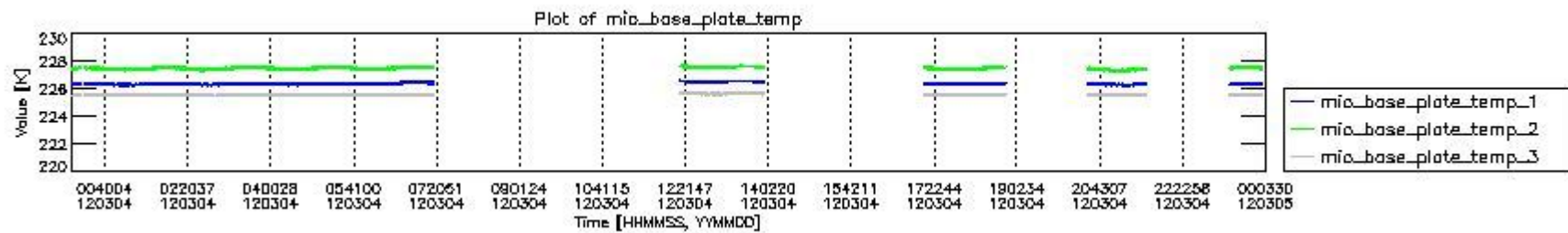
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

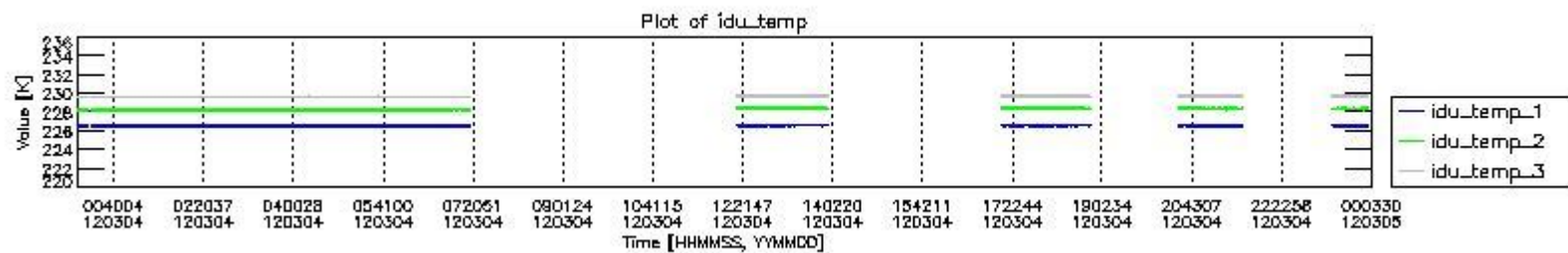
Number of igm samples	Count [#]	Count [%]
99962	1	0.0046637441
114372	1	0.0046637441
124076	1	0.0046637441
124800	19989	93.223580
124803	1447	6.7484376
125214	1	0.0046637441
125628	1	0.0046637441
134504	1	0.0046637441



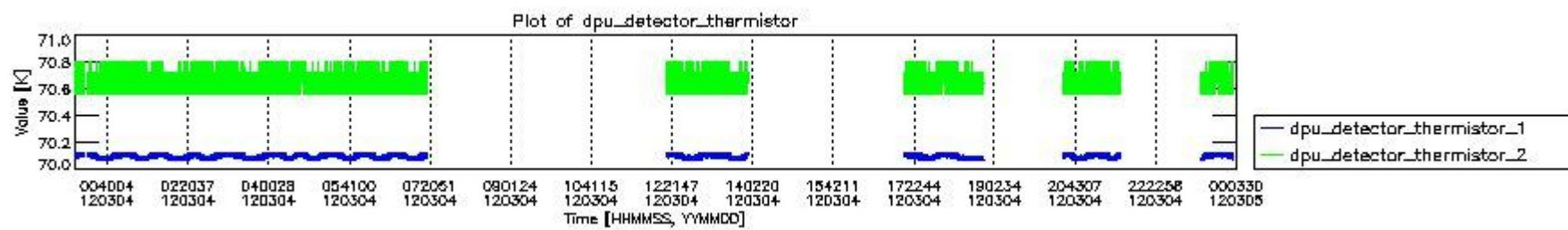
mipas_daily_report_level0_KSPT_L0_4504_N_20120304_0.PNG



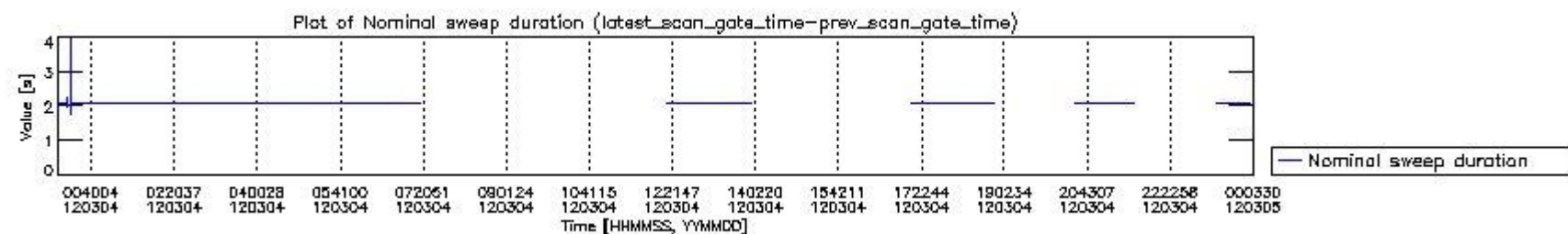
mipas_daily_report_level0_KSPT_L0_4504_N_20120304_1.PNG



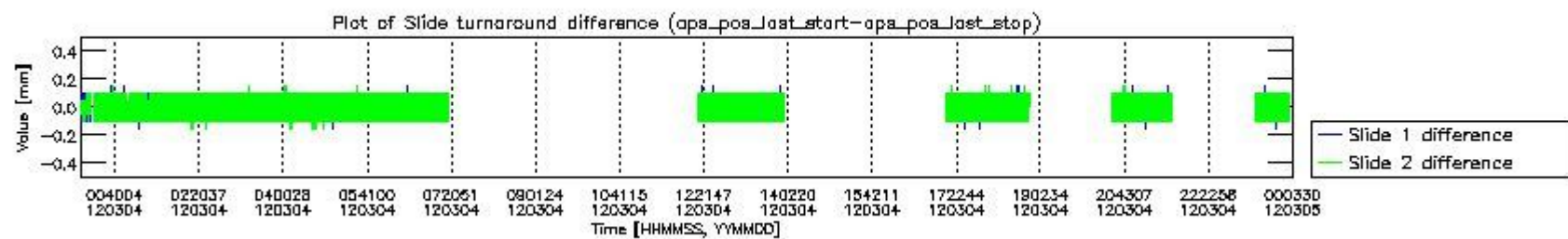
mipas_daily_report_level0_KSPT_L0_4504_N_20120304_2.PNG



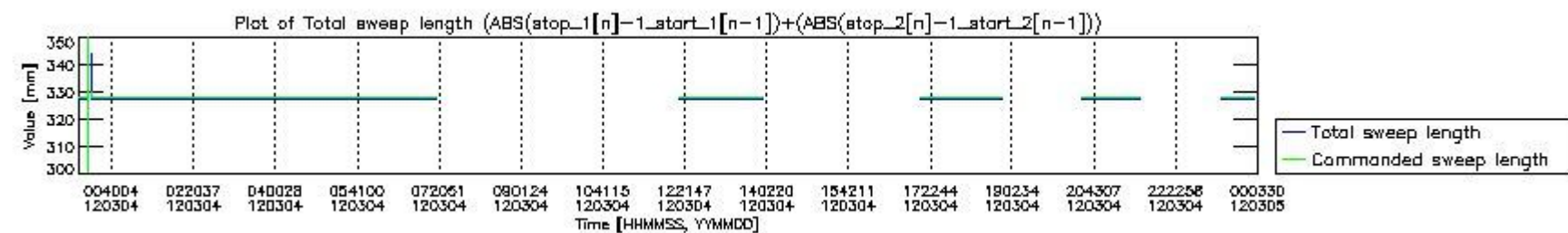
mipas_daily_report_level0_KSPT_L0_4504_N_20120304_3.PNG



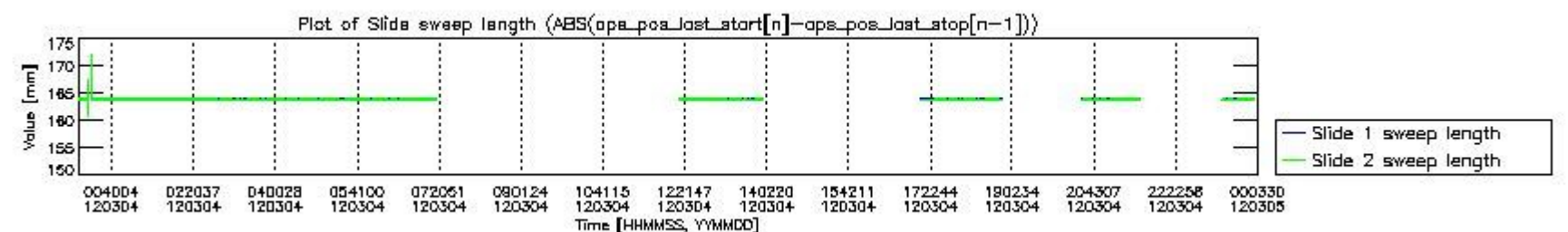
mipas_daily_report_level0_KSPT_L0_4504_N_20120304_4.PNG



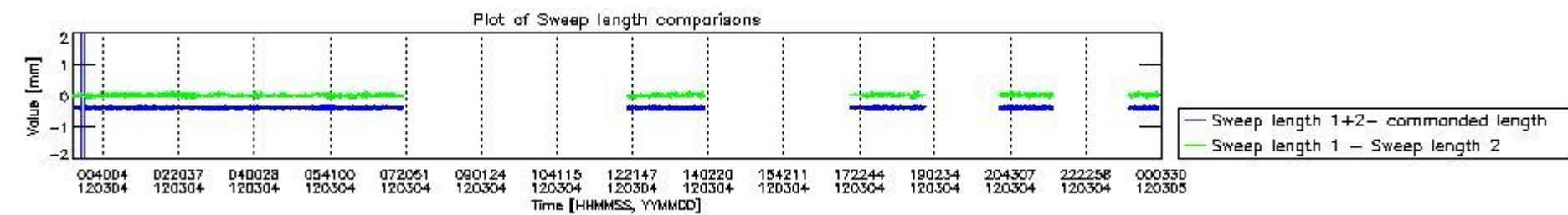
mipas_daily_report_level0_KSPT_L0_4504_N_20120304_5.PNG



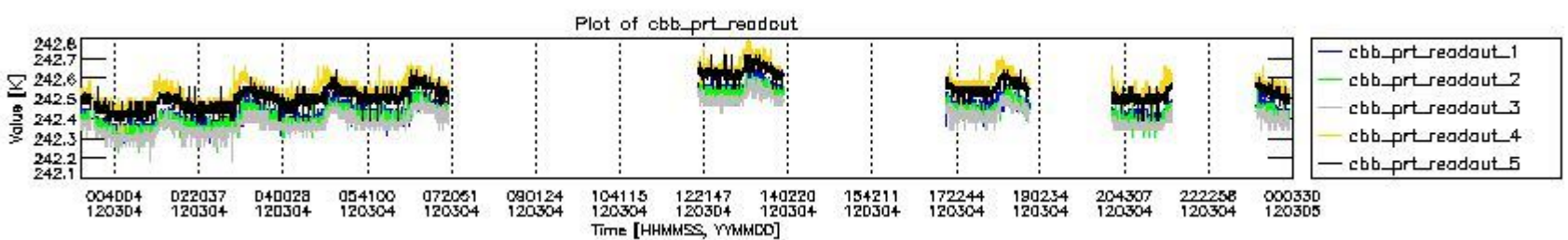
mipas_daily_report_level0_KSPT_L0_4504_N_20120304_6.PNG



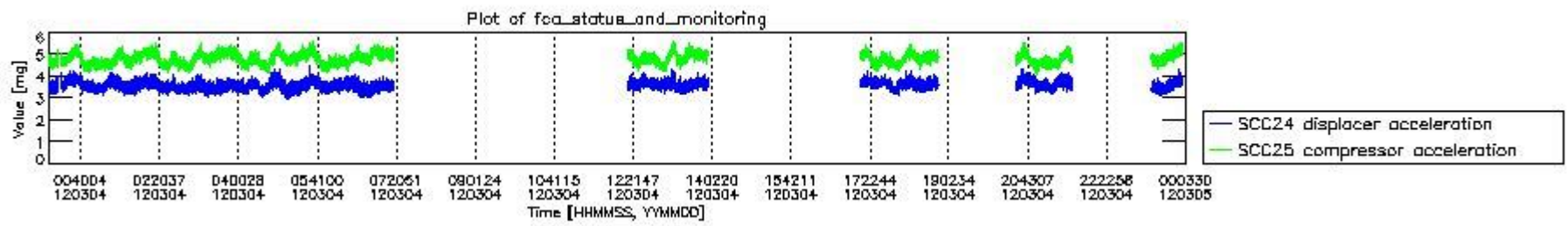
mipas_daily_report_level0_KSPT_L0_4504_N_20120304_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120304_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120304_9.PNG

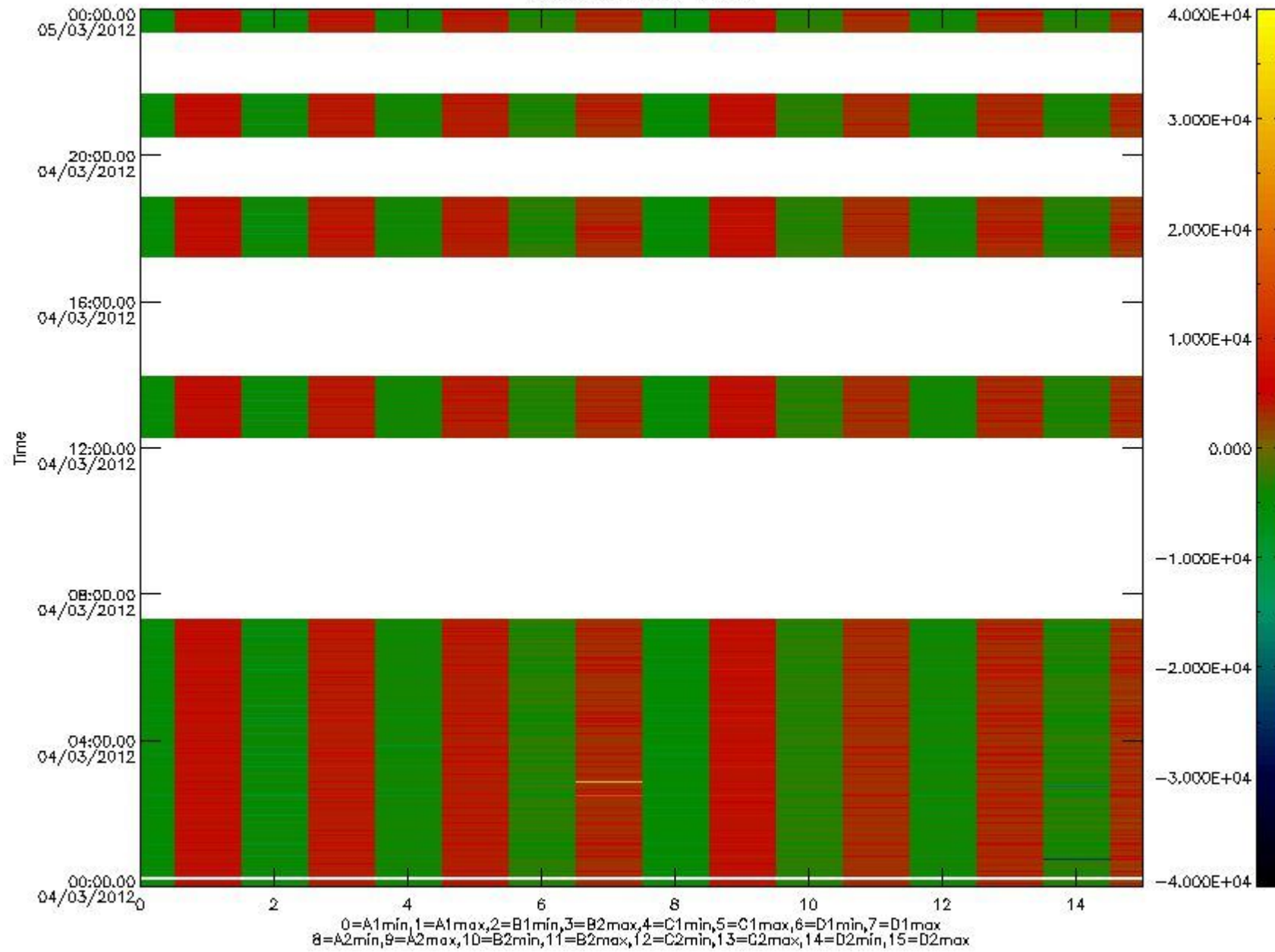


mipas_daily_report_level0_KSPT_L0_4504_N_20120304_10.PNG

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

Channel	Min	Max	ADC
A1	-15422	16041	16bit
B1	-15794	13933	16bit
C1	-23163	17065	16bit
D1	-13822	32767	16bit
A2	-13265	15837	16bit
B2	-13328	13201	16bit
C2	-17591	22838	16bit
D2	-32768	20343	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120304_11.PNG

0.3 ADF monitoring

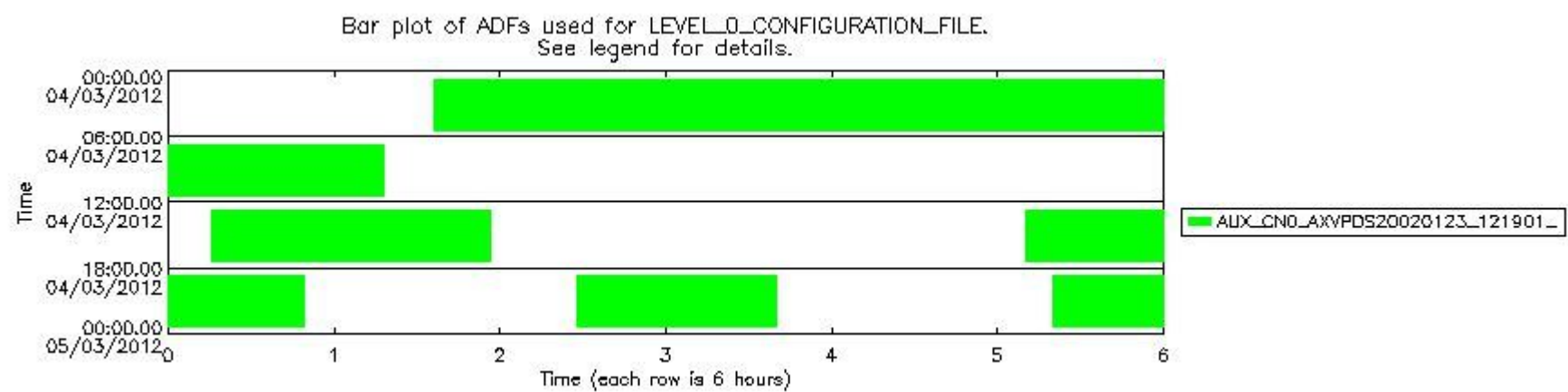
The use of ADFs is shown in two ways:

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.

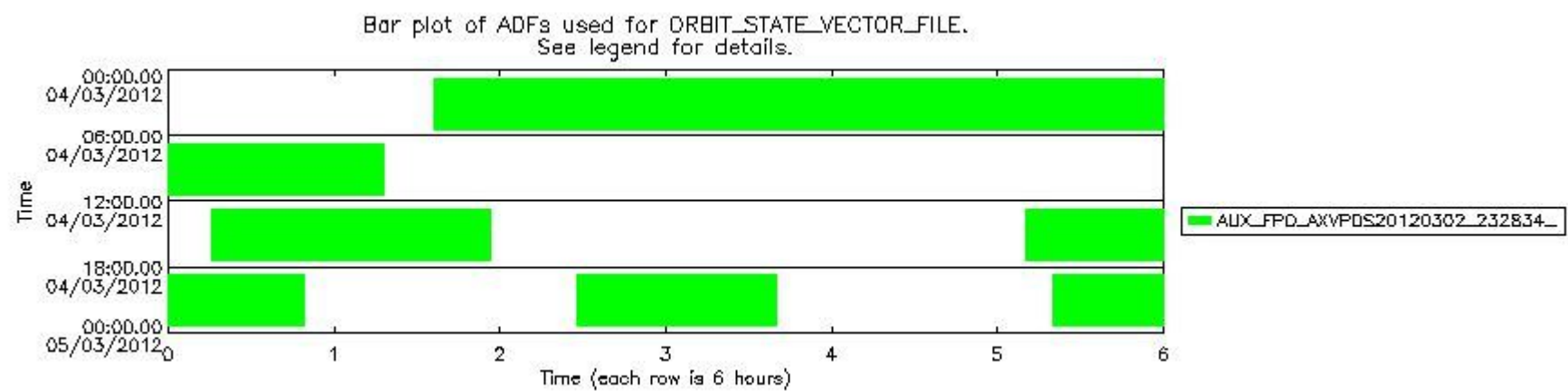
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120302_232834_20120301_184045_20120311_205427

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120304_013558_000043313112_00189_52358_1154.N1	0	1

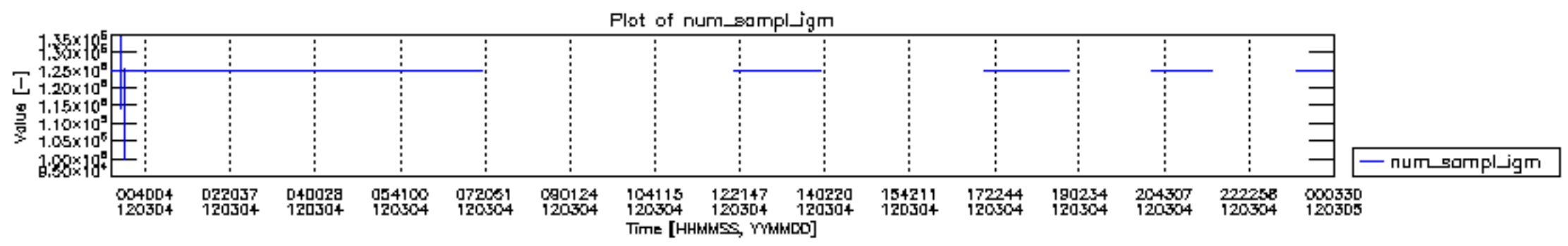
1	MIP_NL__0PNPDE20120304_024735_000061373112_00190_52359_1155.N1	0	1
2	MIP_NL__0PNPDE20120304_042917_000060873112_00191_52360_1157.N1	0	1
3	MIP_NL__0PNPDK20120304_061011_000040733112_00192_52361_8785.N1	0	1
4	MIP_NL__0PNPDK20120304_121524_000060563112_00196_52365_8789.N1	0	1
5	MIP_NL__0PNPDK20120304_171013_000059453112_00199_52368_8792.N1	0	1
6	MIP_NL__0PNPDE20120304_202736_000043243112_00201_52370_1158.N1	0	1
7	MIP_NL__0PNPDE20120304_232009_000059933112_00202_52371_1160.N1	0	1

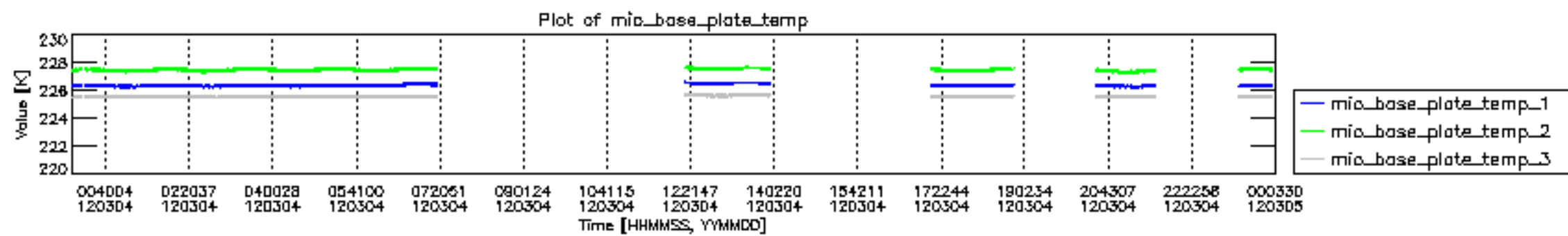


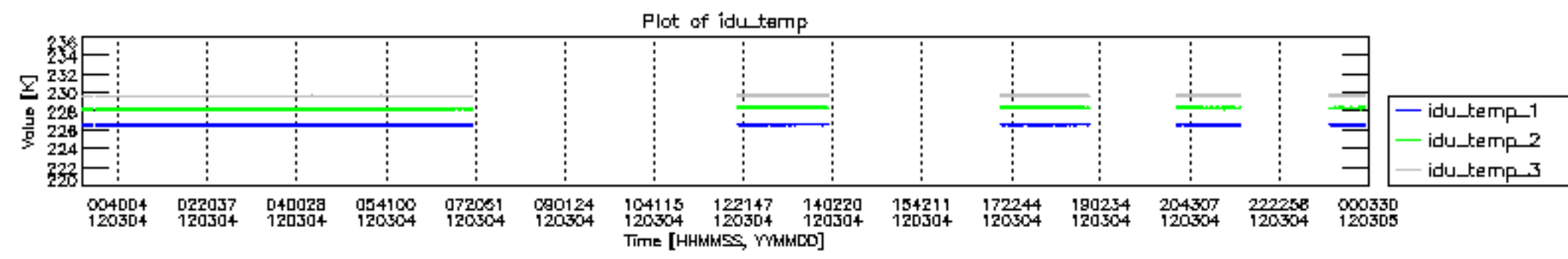
mipas_daily_report_level0_KSPT_L0_4504_N_20120304_12.PNG

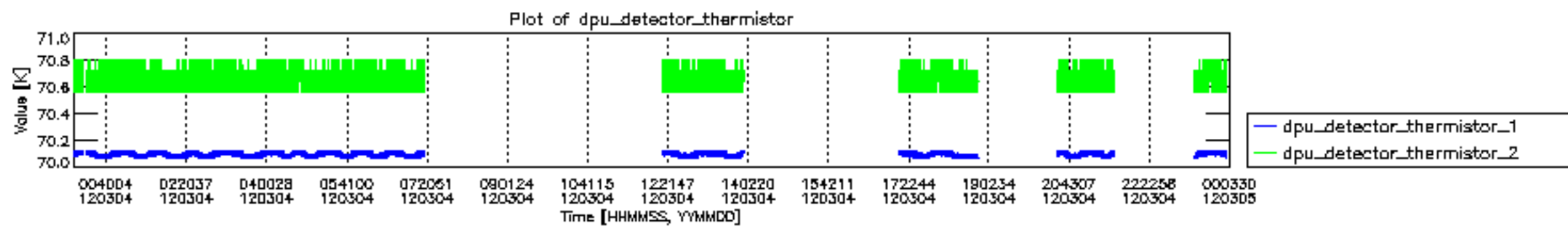


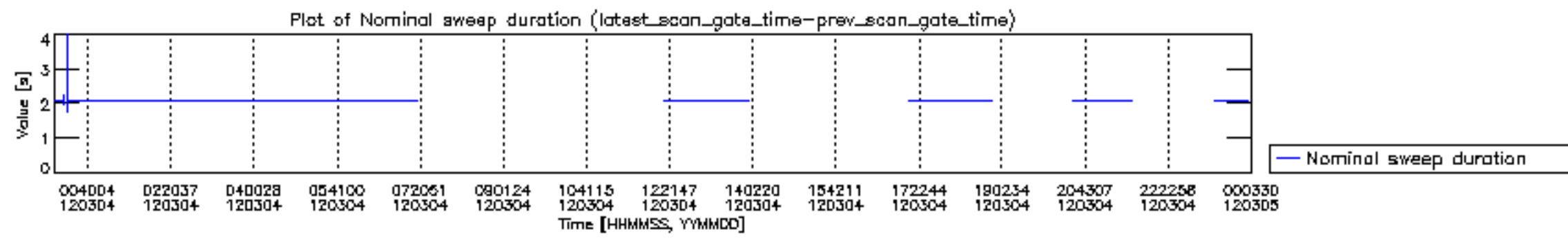
mipas_daily_report_level0_KSPT_L0_4504_N_20120304_13.PNG

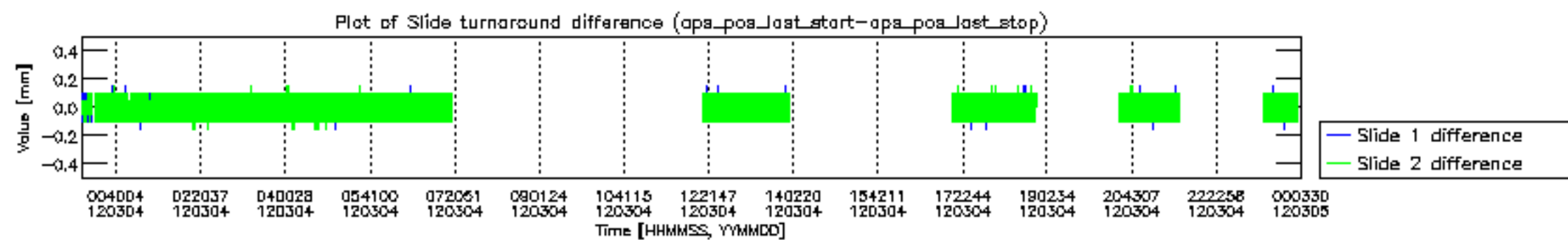


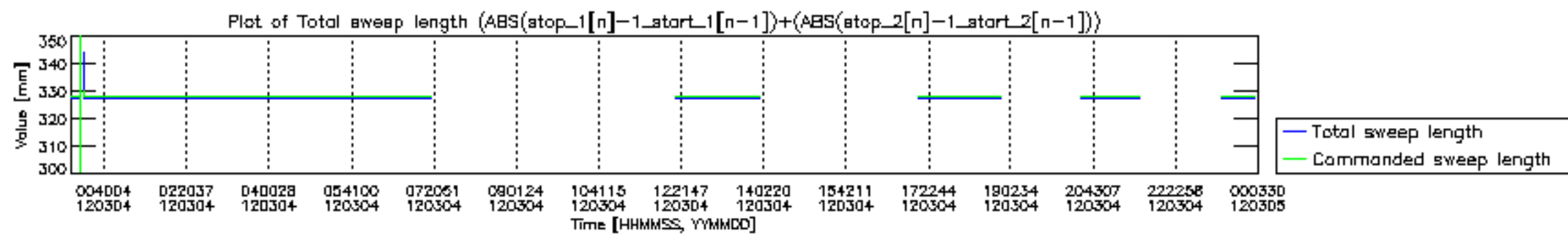


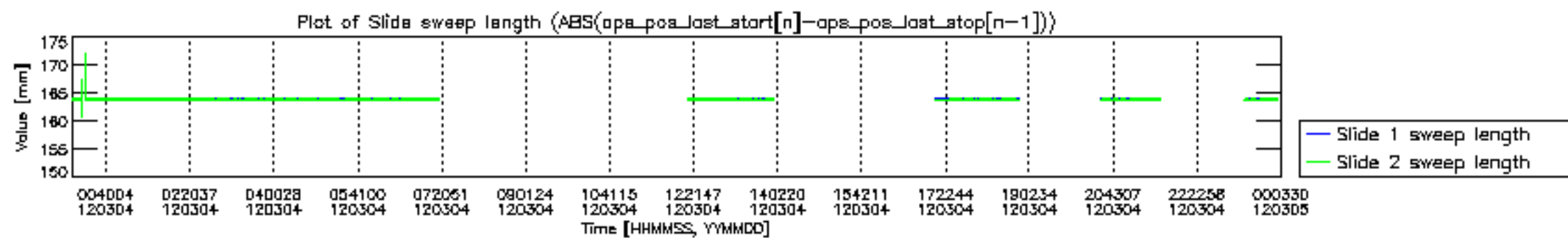


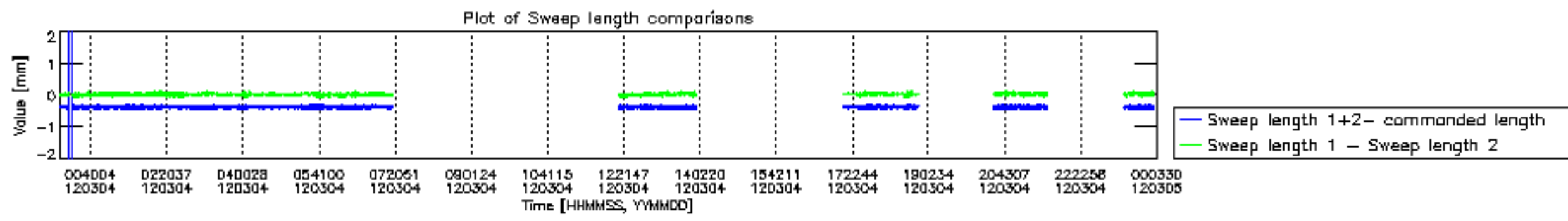


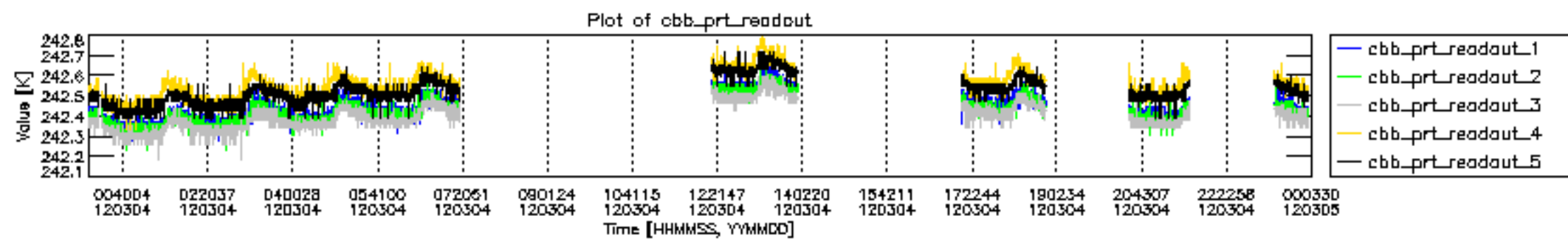


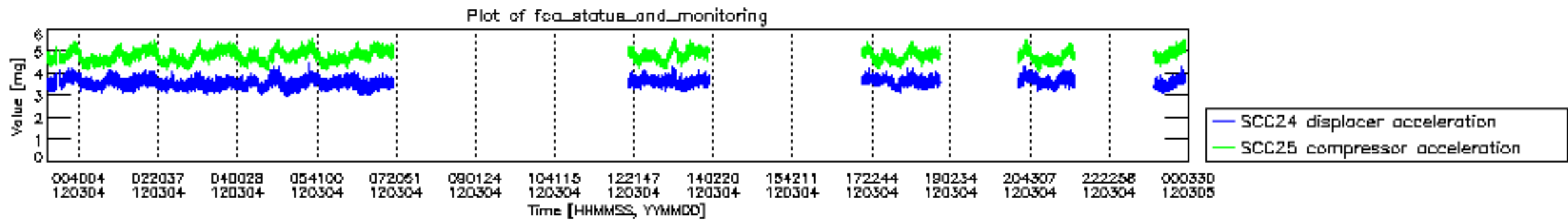












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

