

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	15MAR2012 05:24:51
Data source version	KSPT_L0/4504-N
Processing scope for products	10MAR2012 00:00:00 to 11MAR2012 00:00:00
Start time of first product within scope	10MAR2012 01:16:28
Stop time of last product within scope	11MAR2012 00:40:27
Total number of level 0 products	9
Number of level 0 products with errors	1

0.1.2 Product Quality Indicators per product

The following table shows a summary for each product used in this report.

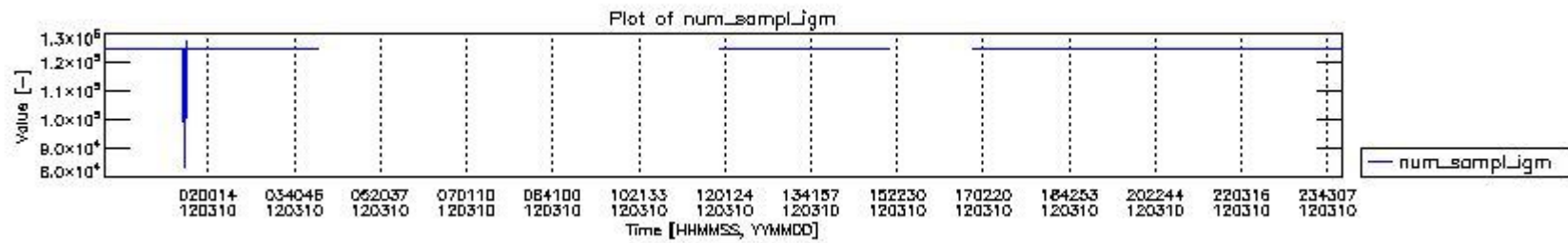
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20120310_011628_000102483112_00275_52444_1193.N1	10MAR2012 01:16:28	10MAR2012 04:07:16	0	0	0	0	0
1	MIP_NL__0PNPDE20120310_013612_000013683112_00276_52445_5883.N1	10MAR2012 01:36:12	10MAR2012 01:59:00	0	0	0	0	0
2	MIP_NL__0PNPDK20120310_115618_000059913112_00282_52451_8839.N1	10MAR2012 11:56:18	10MAR2012 13:36:09	0	0	0	0	0
3	MIP_NL__0PNPDK20120310_133513_000058493112_00283_52452_8840.N1	10MAR2012 13:35:13	10MAR2012 15:12:42	0	0	0	0	0
4	MIP_NL__0PNPDK20120310_165024_000058833112_00285_52454_8842.N1	10MAR2012 16:50:24	10MAR2012 18:28:27	0	0	0	0	0
5	MIP_NL__0PNPDK20120310_182737_000060273112_00286_52455_8843.N1	10MAR2012 18:27:37	10MAR2012 20:08:04	1	1	0	0	0
6	MIP_NL__0PNPDE20120310_200659_000040783112_00287_52456_1196.N1	10MAR2012 20:06:59	10MAR2012 21:14:57	0	0	0	0	0
7	MIP_NL__0PNPDE20120310_211350_000064763112_00287_52456_1197.N1	10MAR2012 21:13:50	10MAR2012 23:01:46	0	0	0	0	0
8	MIP_NL__0PNPDE20120310_230050_000059773112_00288_52457_1198.N1	10MAR2012 23:00:50	11MAR2012 00:40:27	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

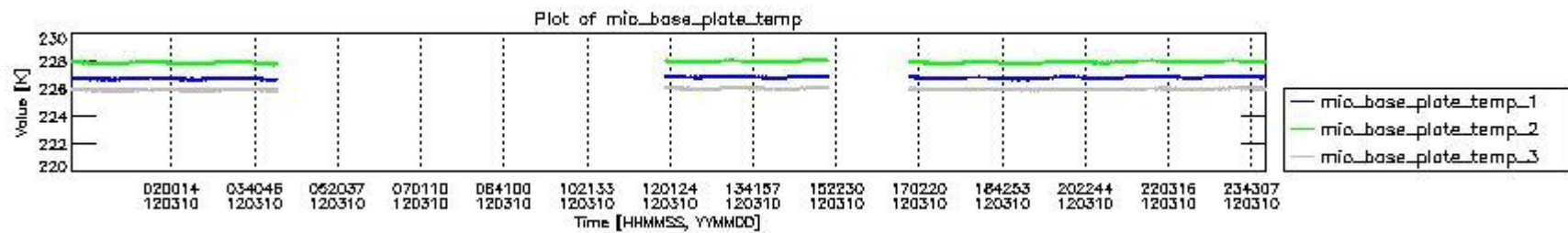
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

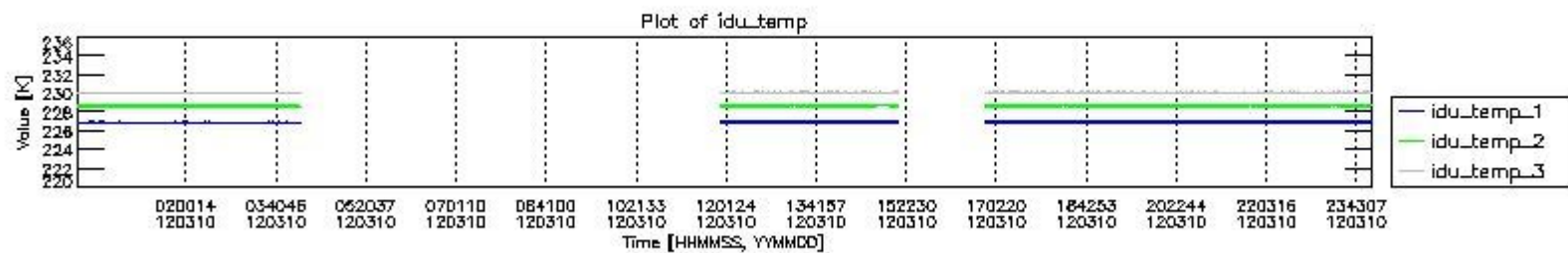
Number of igm samples	Count [#]	Count [%]
83190	1	0.0039888313
93929	1	0.0039888313
100706	1	0.0039888313
114061	1	0.0039888313
124800	23308	92.971679
124803	1756	7.0043877
125958	1	0.0039888313
127116	1	0.0039888313



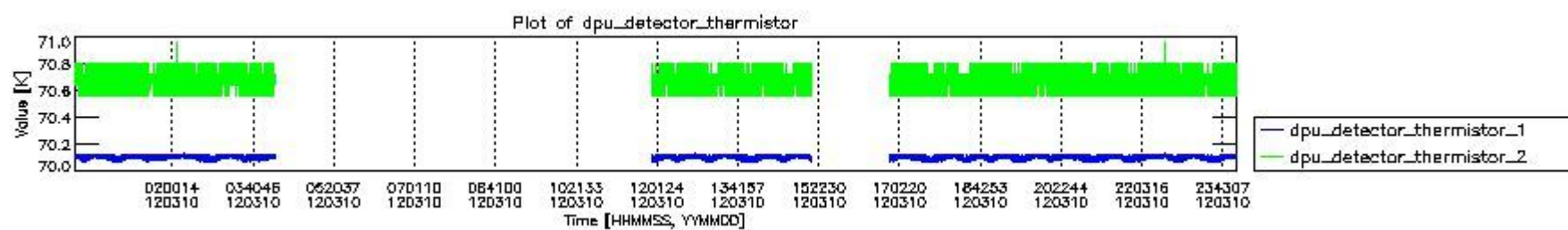
mipas_daily_report_level0_KSPT_L0_4504_N_20120310_0.PNG



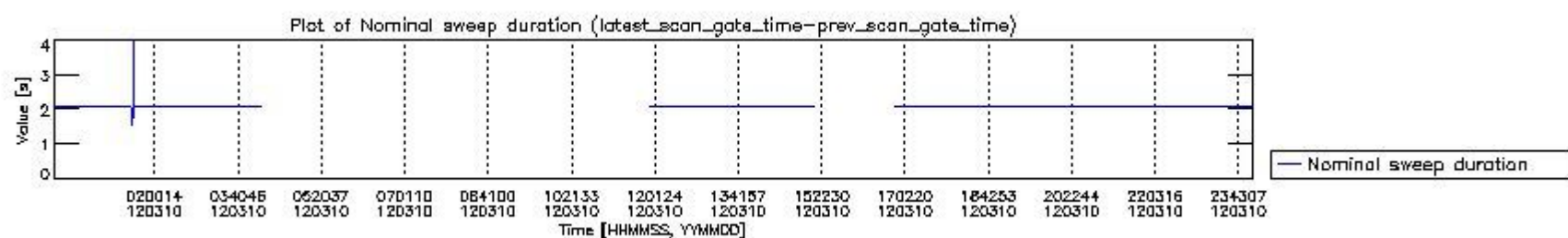
mipas_daily_report_level0_KSPT_L0_4504_N_20120310_1.PNG



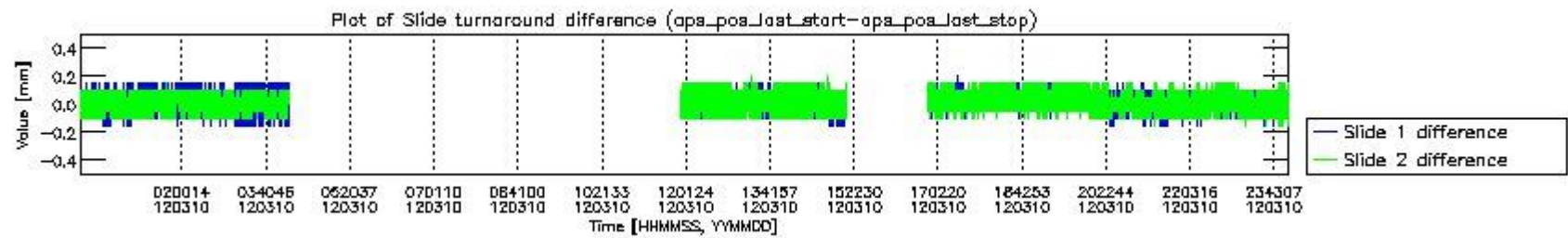
mipas_daily_report_level0_KSPT_L0_4504_N_20120310_2.PNG



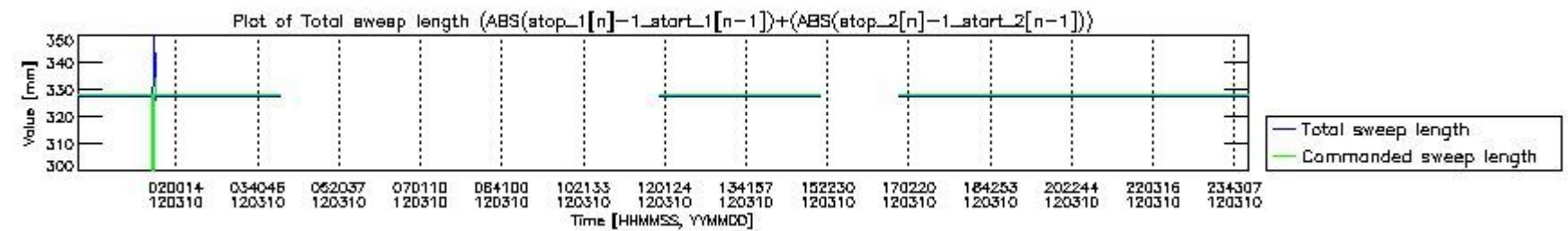
mipas_daily_report_level0_KSPT_L0_4504_N_20120310_3.PNG



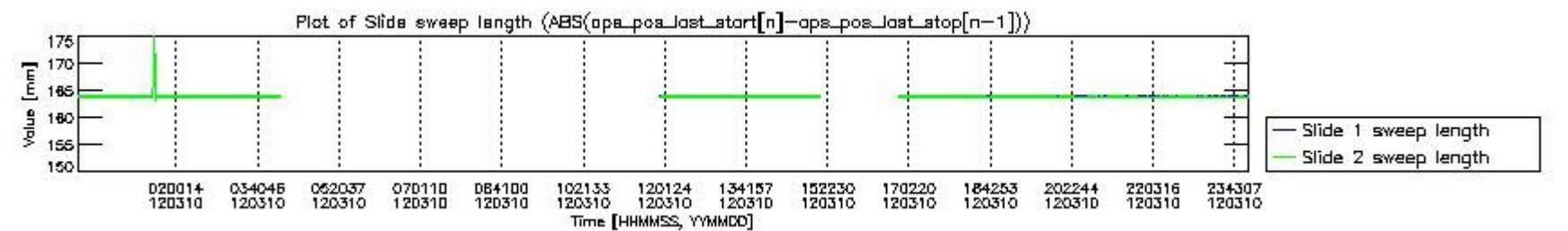
mipas_daily_report_level0_KSPT_L0_4504_N_20120310_4.PNG



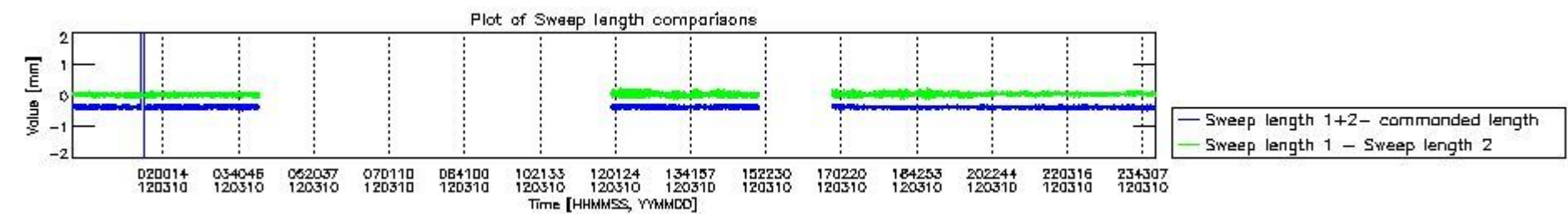
mipas_daily_report_level0_KSPT_L0_4504_N_20120310_5.PNG



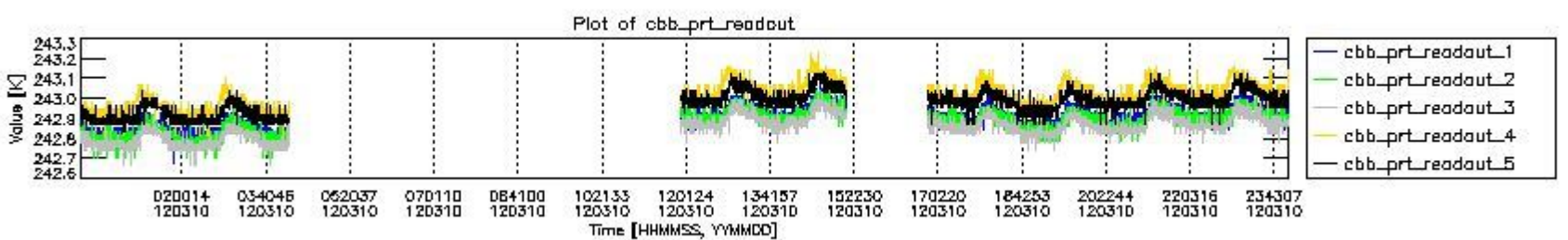
mipas_daily_report_level0_KSPT_L0_4504_N_20120310_6.PNG



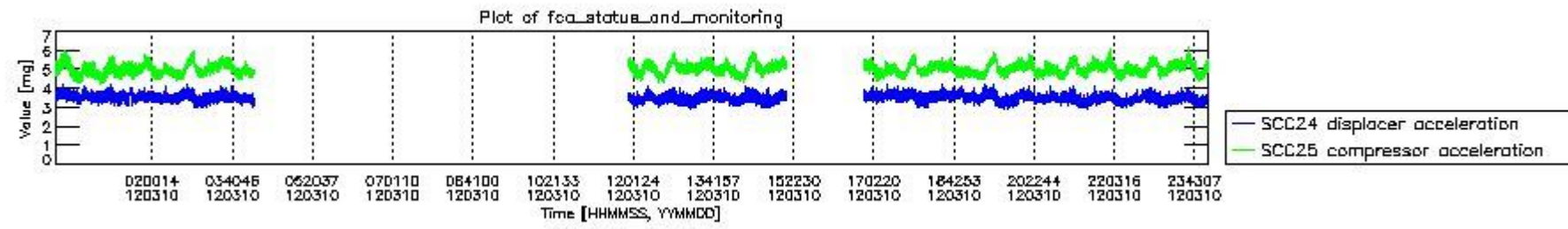
mipas_daily_report_level0_KSPT_L0_4504_N_20120310_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120310_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120310_9.PNG

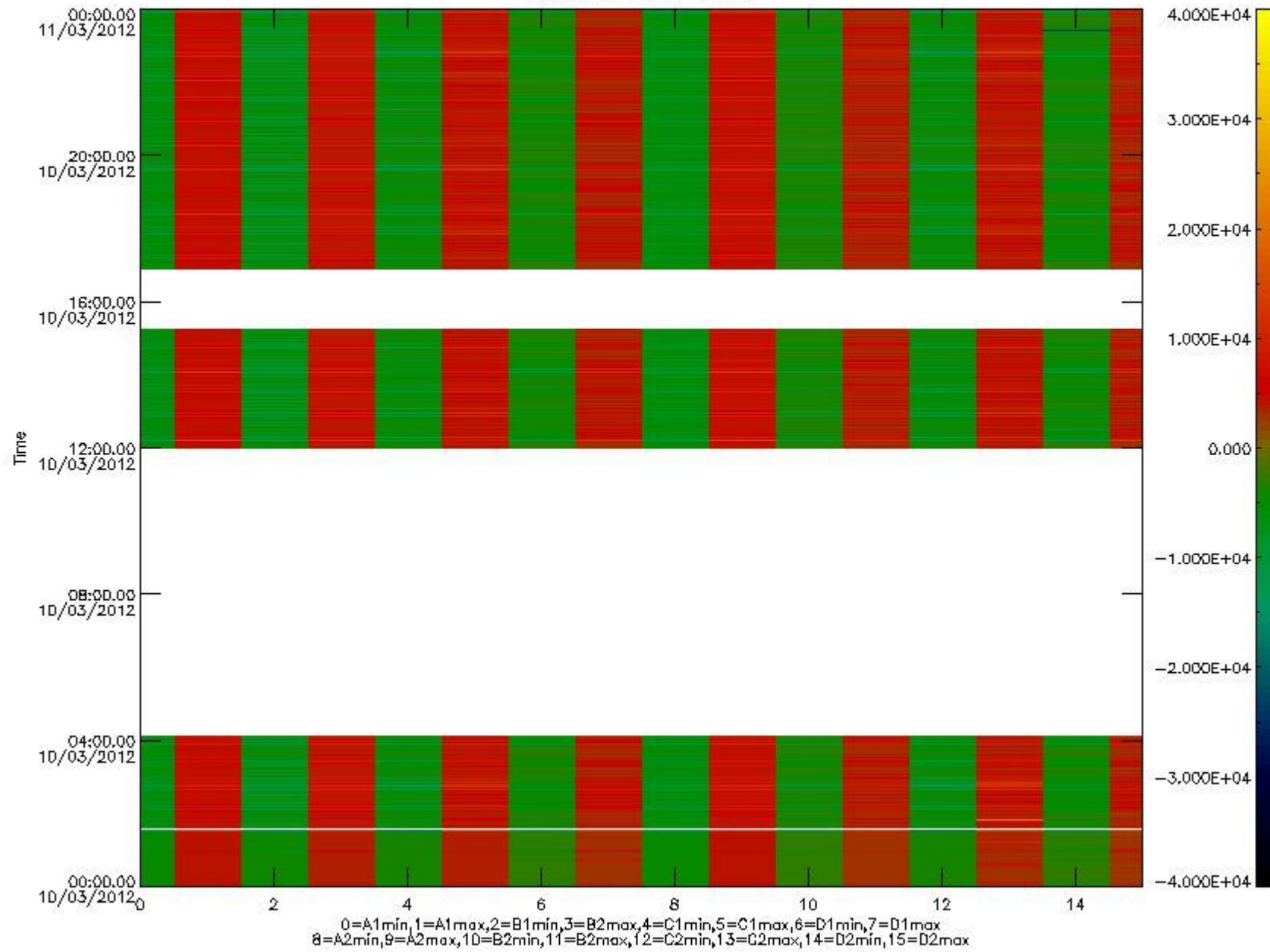


mipas_daily_report_level0_KSPT_L0_4504_N_20120310_10.PNG

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

Channel	Min	Max	ADC
A1	-16224	17040	16bit
B1	-17313	14907	16bit
C1	-20057	19318	16bit
D1	-32768	32767	16bit
A2	-13734	16677	16bit
B2	-14903	14694	16bit
C2	-20308	23482	16bit
D2	-32768	32767	16bit

MIPNL0P_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120310_11.PNG

0.3 ADF monitoring

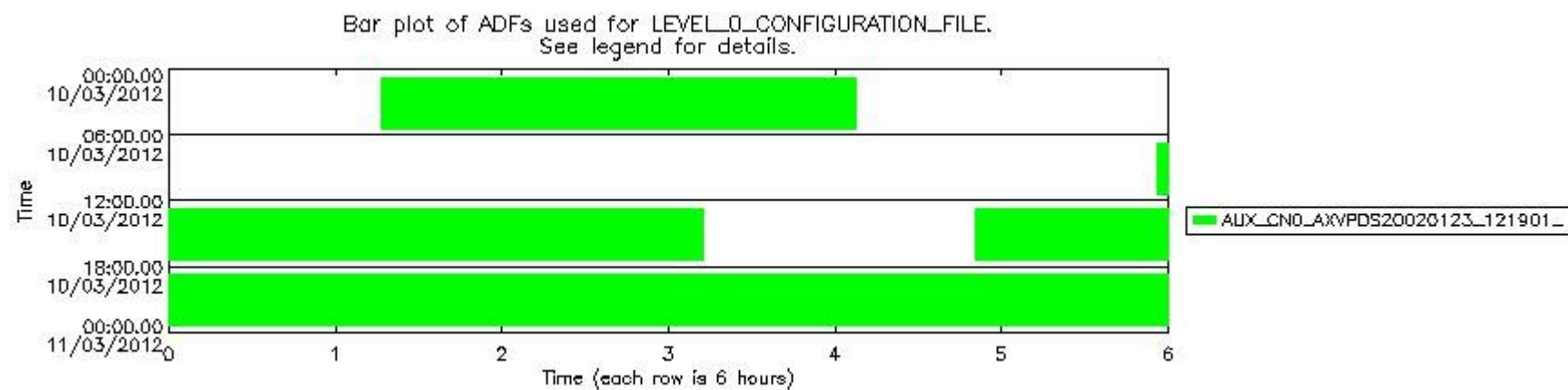
The use of ADFs is shown in two ways:

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.

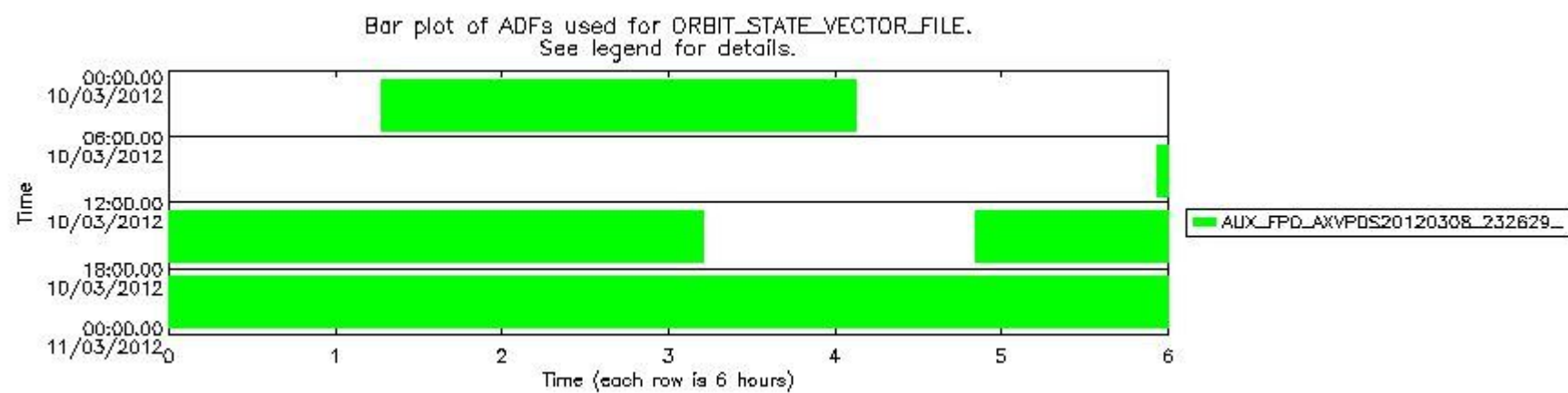
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120308_232629_20120308_192413_20120318_213752

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120310_011628_000102483112_00275_52444_1193.N1	0	1

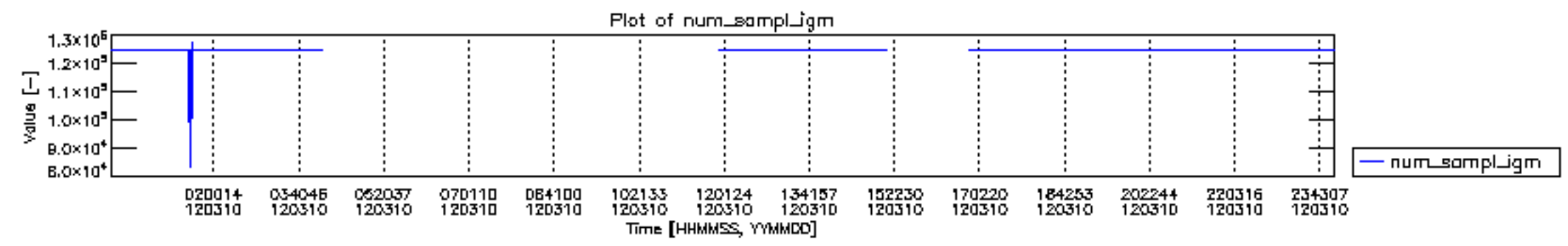
1	MIP_NL__0PNPDE20120310_013612_000013683112_00276_52445_5883.N1	0	1
2	MIP_NL__0PNPDK20120310_115618_000059913112_00282_52451_8839.N1	0	1
3	MIP_NL__0PNPDK20120310_133513_000058493112_00283_52452_8840.N1	0	1
4	MIP_NL__0PNPDK20120310_165024_000058833112_00285_52454_8842.N1	0	1
5	MIP_NL__0PNPDK20120310_182737_000060273112_00286_52455_8843.N1	0	1
6	MIP_NL__0PNPDE20120310_200659_000040783112_00287_52456_1196.N1	0	1
7	MIP_NL__0PNPDE20120310_211350_000064763112_00287_52456_1197.N1	0	1
8	MIP_NL__0PNPDE20120310_230050_000059773112_00288_52457_1198.N1	0	1

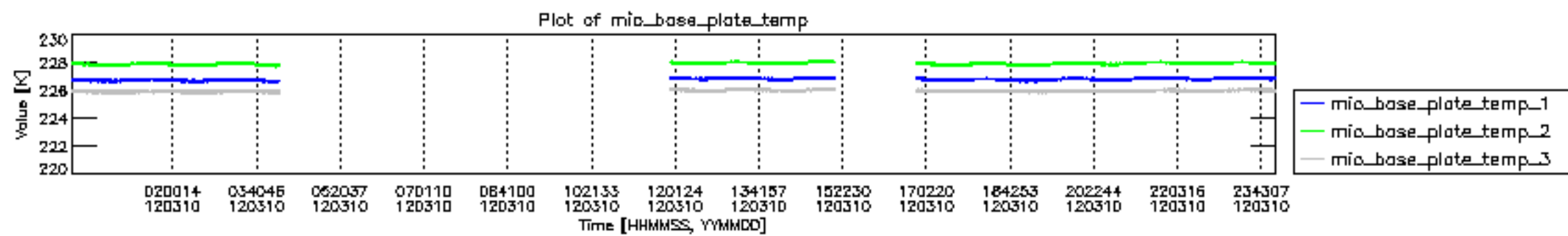


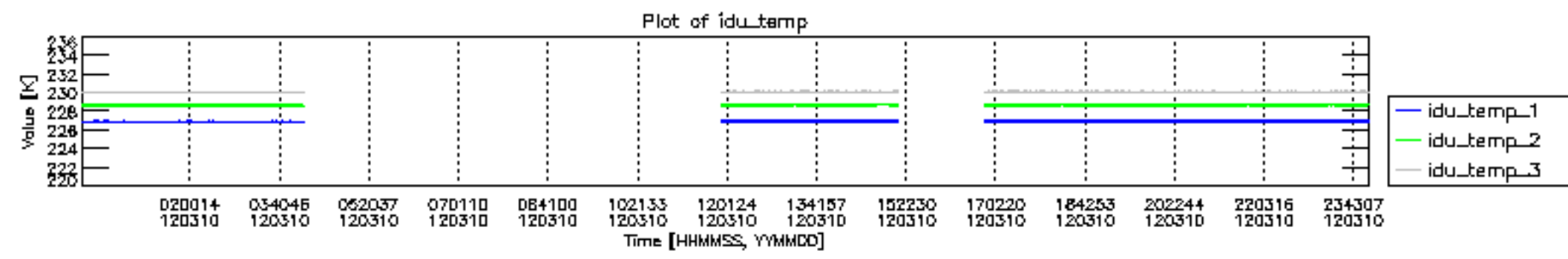
mipas_daily_report_level0_KSPT_L0_4504_N_20120310_12.PNG

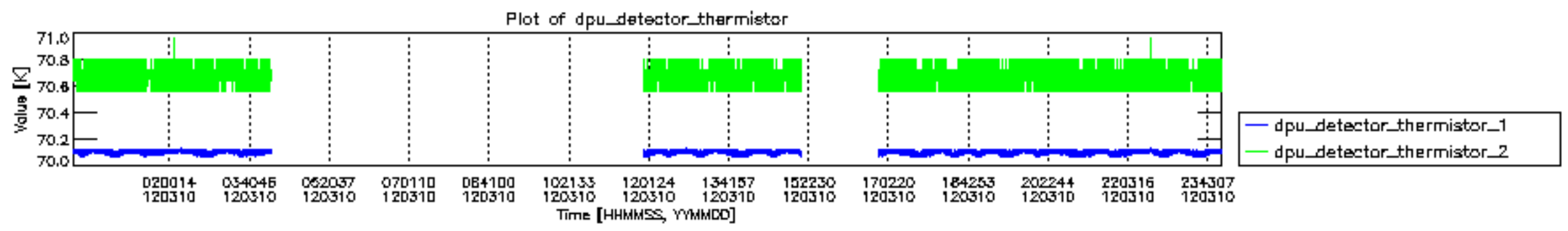


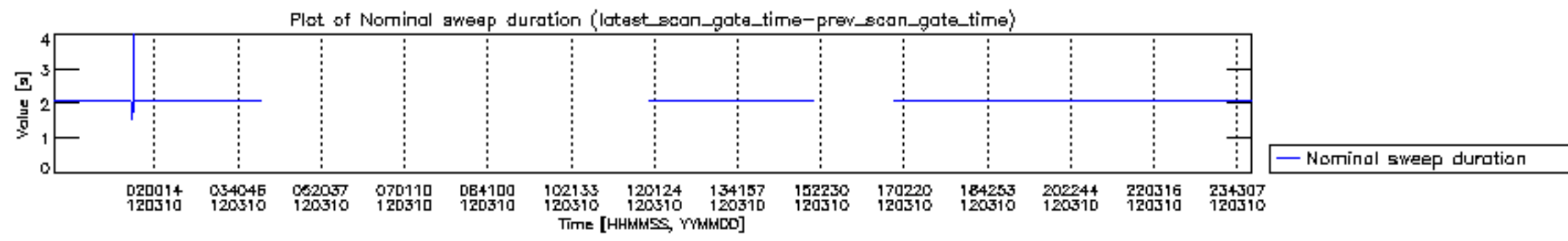
mipas_daily_report_level0_KSPT_L0_4504_N_20120310_13.PNG

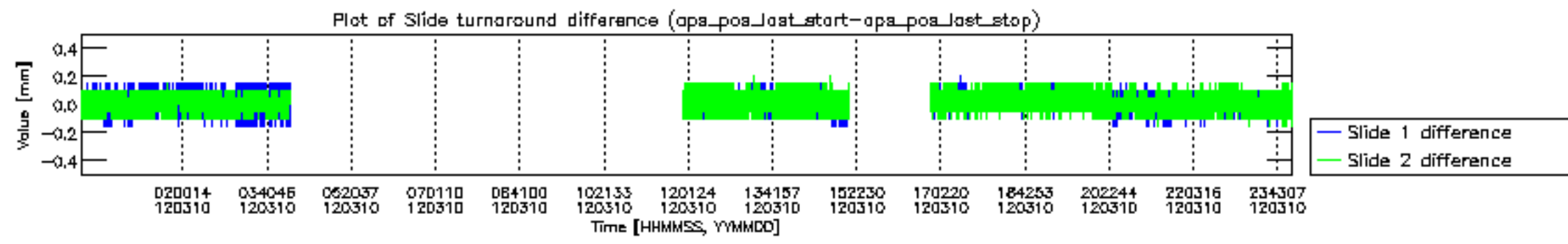


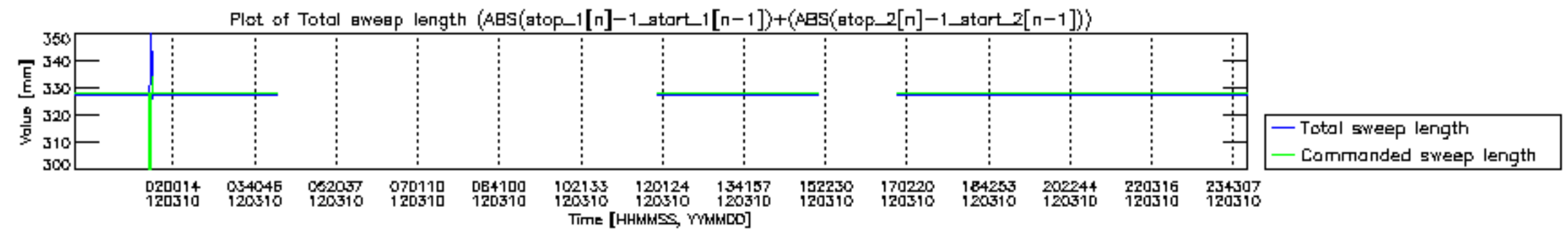


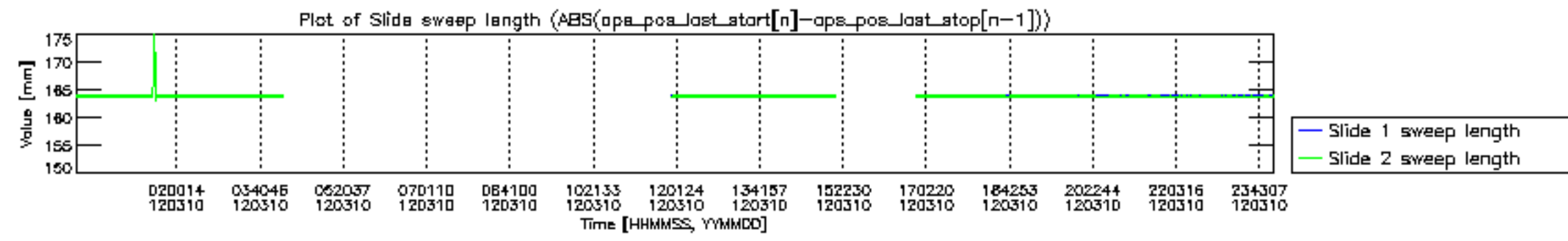


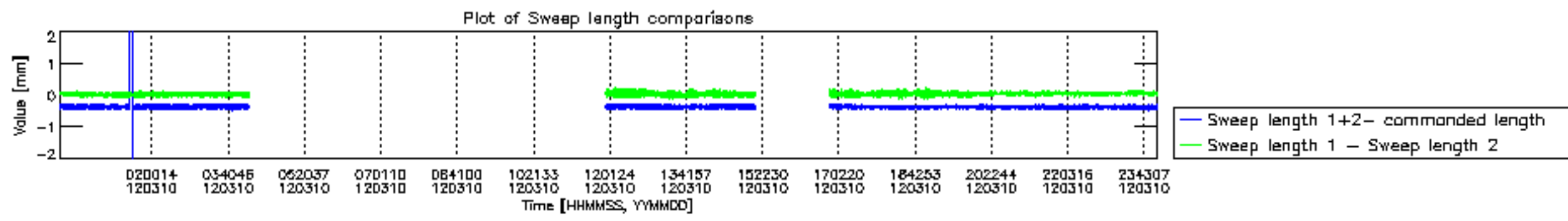


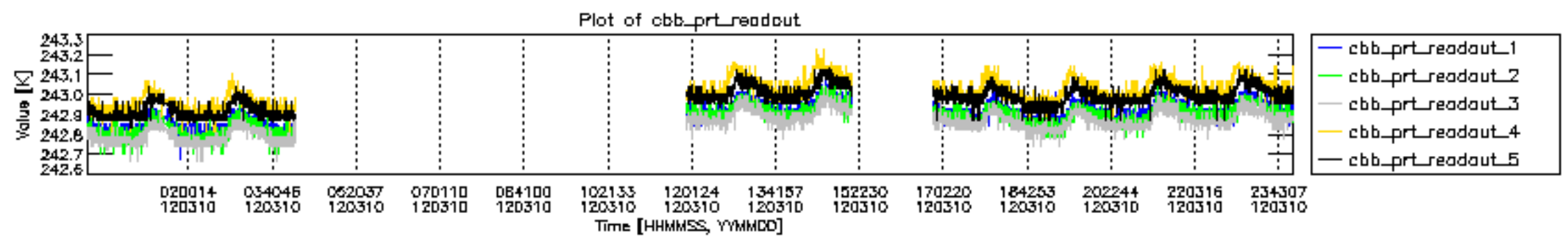


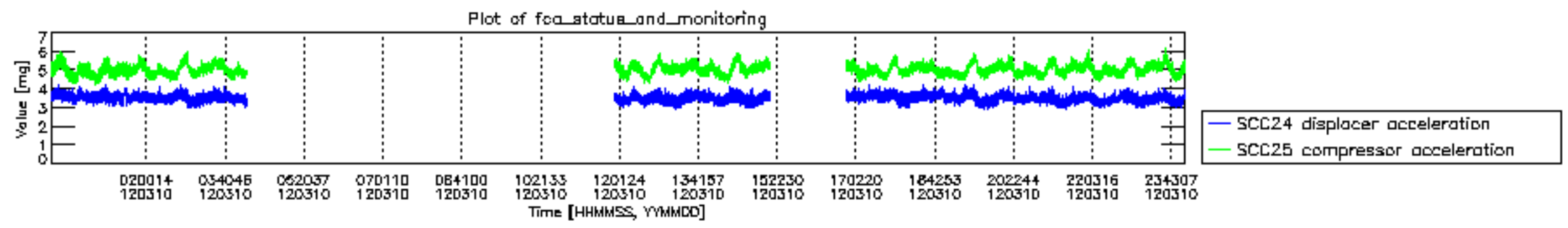












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

