

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	14MAR2012 05:23:54
Data source version	KSPT_L0/4504-N
Processing scope for products	09MAR2012 00:00:00 to 10MAR2012 00:00:00
Start time of first product within scope	09MAR2012 00:13:54
Stop time of last product within scope	10MAR2012 01:17:33
Total number of level 0 products	14
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__OPNPDE20120309_001354_000058753112_00260_52429_1186.N1	09MAR2012 00:13:54	09MAR2012 01:51:49	0	0	0	0	0
1	MIP_NL__OPNPDE20120309_001608_000012143112_00260_52429_5874.N1	09MAR2012 00:16:08	09MAR2012 00:36:22	0	0	0	0	0
2	MIP_NL__OPNPDE20120309_003243_000047463112_00261_52430_5873.N1	09MAR2012 00:32:43	09MAR2012 01:51:49	0	0	0	0	0
3	MIP_NL__OPNPDE20120309_015040_000044453112_00261_52430_1187.N1	09MAR2012 01:50:40	09MAR2012 03:04:46	0	0	0	0	0
4	MIP_NL__OPNPDK20120309_062623_000041153112_00264_52433_8827.N1	09MAR2012 06:26:23	09MAR2012 07:34:59	0	0	0	0	0
5	MIP_NL__OPNPDK20120309_091523_000060083112_00266_52435_8829.N1	09MAR2012 09:15:23	09MAR2012 10:55:31	0	0	0	0	0
6	MIP_NL__OPNPDK20120309_105447_000058223112_00267_52436_8830.N1	09MAR2012 10:54:47	09MAR2012 12:31:49	0	0	0	0	0
7	MIP_NL__OPNPDK20120309_123049_000061113112_00268_52437_8831.N1	09MAR2012 12:30:49	09MAR2012 14:12:39	0	0	0	0	0
8	MIP_NL__OPNPDK20120309_141143_000058893112_00269_52438_8832.N1	09MAR2012 14:11:43	09MAR2012 15:49:52	0	0	0	0	0
9	MIP_NL__OPNPDK20120309_154810_000058873112_00270_52439_8833.N1	09MAR2012 15:48:10	09MAR2012 17:26:17	0	0	0	0	0
10	MIP_NL__OPNPDK20120309_172512_000059353112_00271_52440_8834.N1	09MAR2012 17:25:12	09MAR2012 19:04:07	0	0	0	0	0
11	MIP_NL__OPNPDE20120309_204426_000042833112_00273_52442_1190.N1	09MAR2012 20:44:26	09MAR2012 21:55:48	0	0	0	0	0
12	MIP_NL__OPNPDE20120309_215444_000061653112_00273_52442_1191.N1	09MAR2012 21:54:44	09MAR2012 23:37:29	0	0	0	0	0
13	MIP_NL__OPNPDE20120309_233626_000060673112_00274_52443_1192.N1	09MAR2012 23:36:26	10MAR2012 01:17:33	0	0	0	0	0

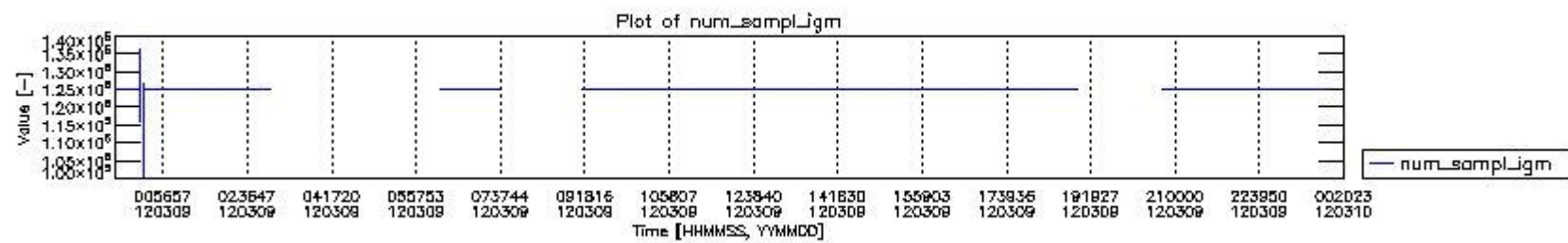
0.2 Instrument Operational Performance Parameters

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.

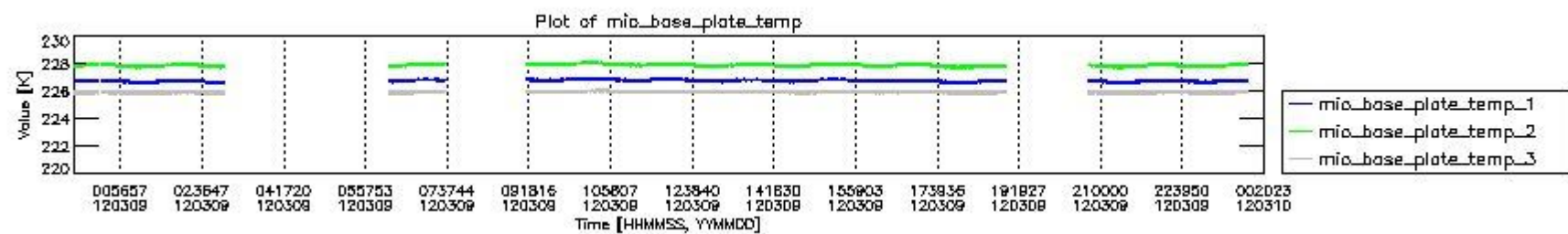
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100409	1	0.0033466082
115933	1	0.0033466082
124800	28152	94.213714
124803	1723	5.7662060

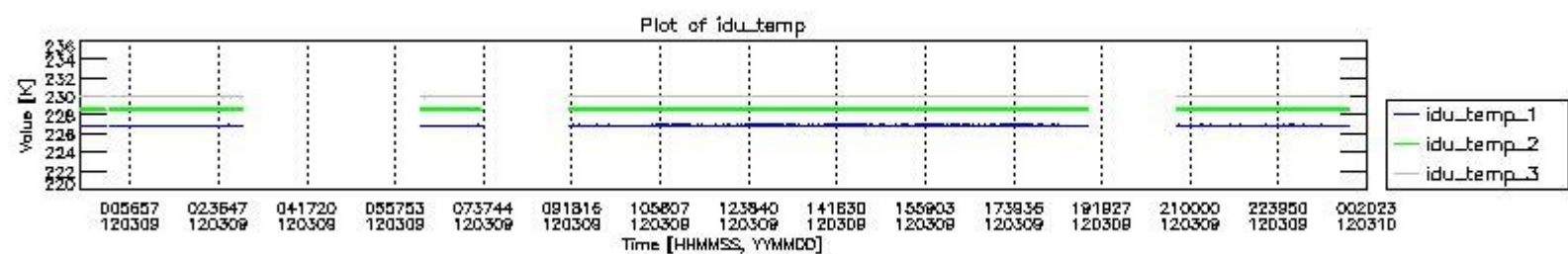
125661	1	0.0033466082
126522	1	0.0033466082
127198	1	0.0033466082
136065	1	0.0033466082



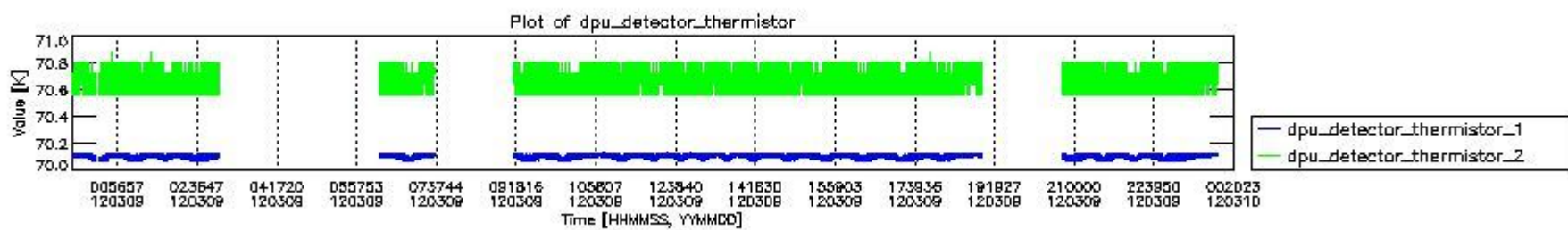
mipas_daily_report_level0_KSPT_L0_4504_N_20120309_0.PNG



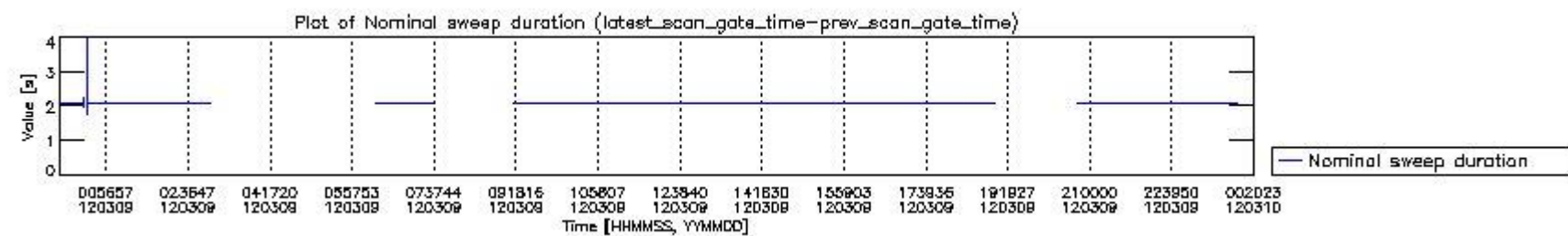
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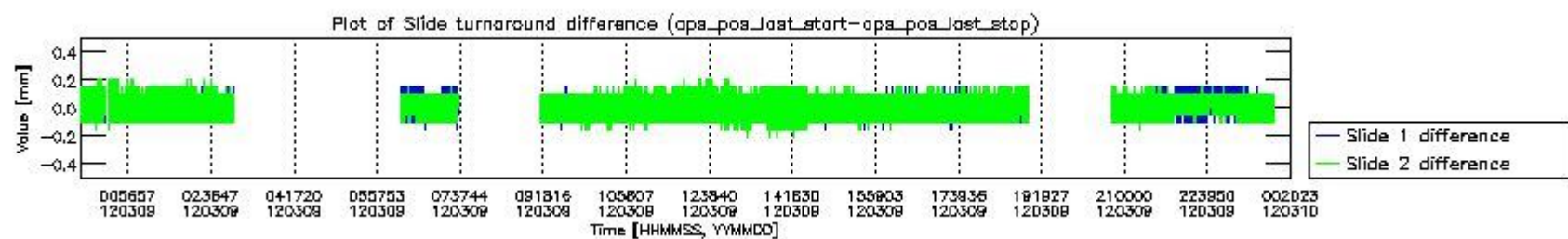
mipas_daily_report_level0_KSPT_L0_4504_N_20120309_2.PNG



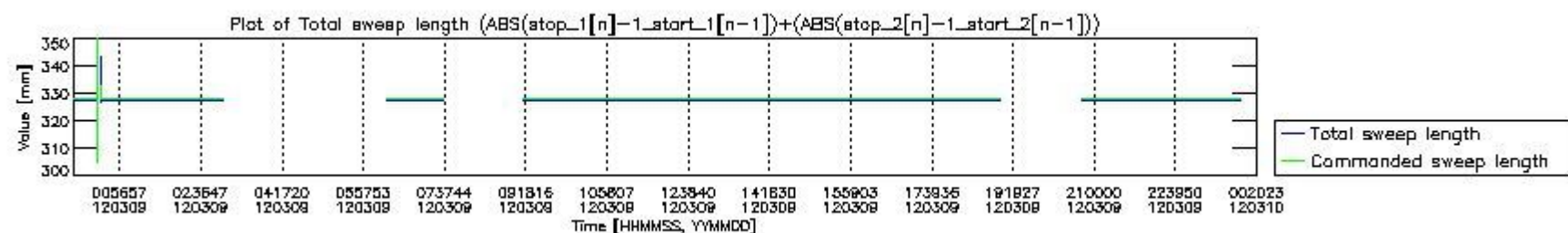
mipas_daily_report_level0_KSPT_L0_4504_N_20120309_3.PNG



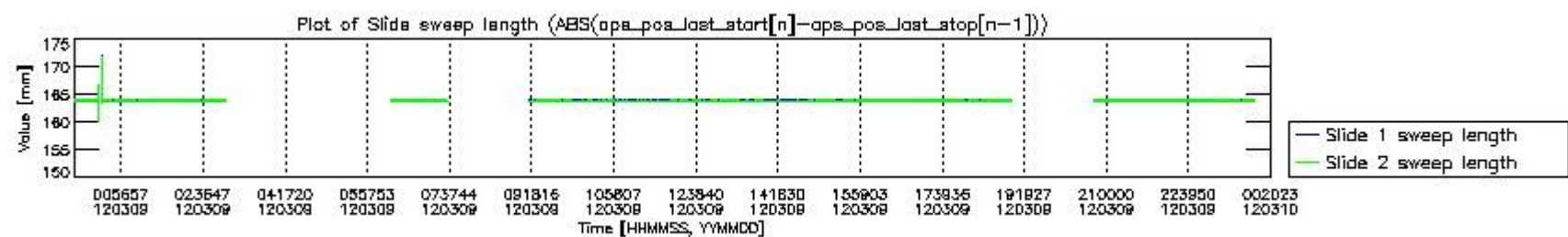
mipas_daily_report_level0_KSPT_L0_4504_N_20120309_4.PNG



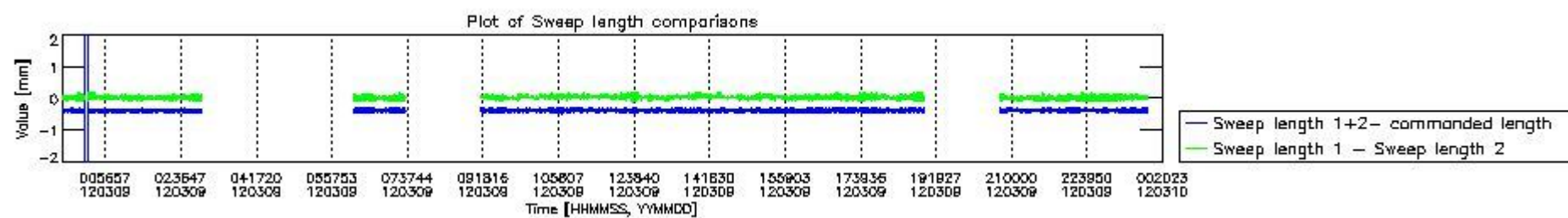
mipas_daily_report_level0_KSPT_L0_4504_N_20120309_5.PNG



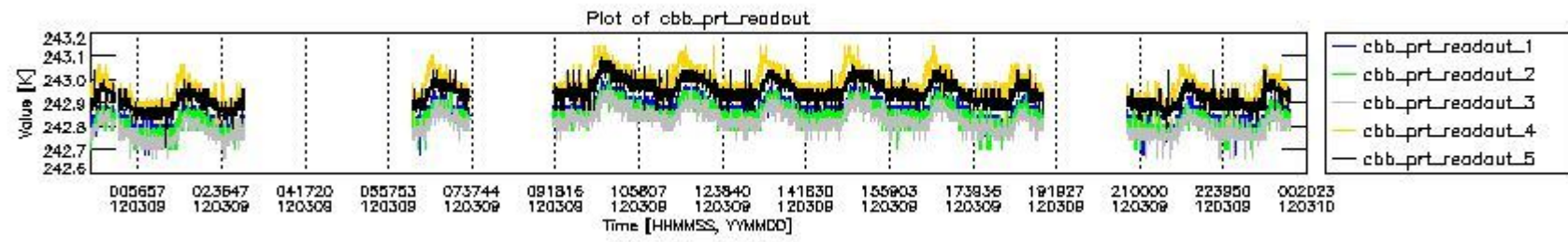
mipas_daily_report_level0_KSPT_L0_4504_N_20120309_6.PNG



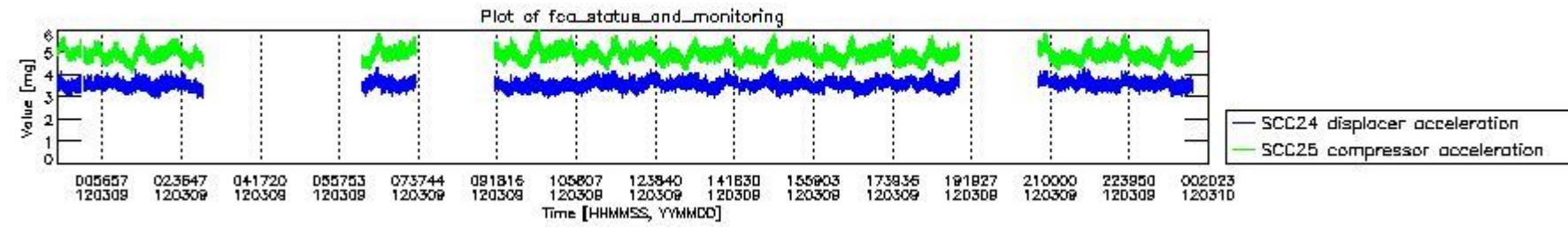
mipas_daily_report_level0_KSPT_L0_4504_N_20120309_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120309_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120309_9.PNG

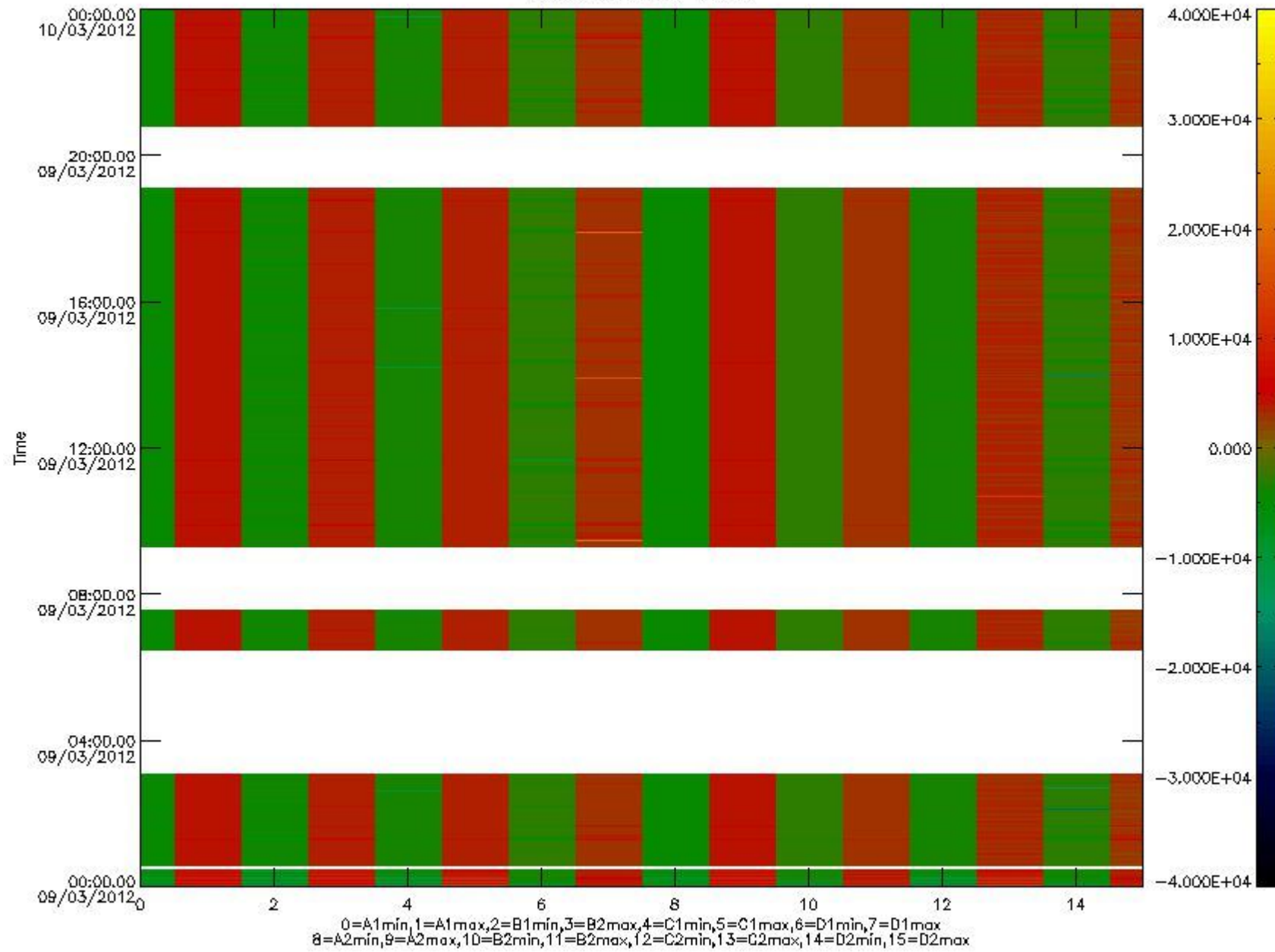


mipas_daily_report_level0_KSPT_L0_4504_N_20120309_10.PNG

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

Channel	Min	Max	ADC
A1	-15495	16131	16bit
B1	-15952	14066	16bit
C1	-19580	17378	16bit
D1	-15972	32767	16bit
A2	-13347	15933	16bit
B2	-13495	13361	16bit
C2	-17863	25135	16bit
D2	-32768	20127	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120309_11.PNG

0.3 ADF monitoring

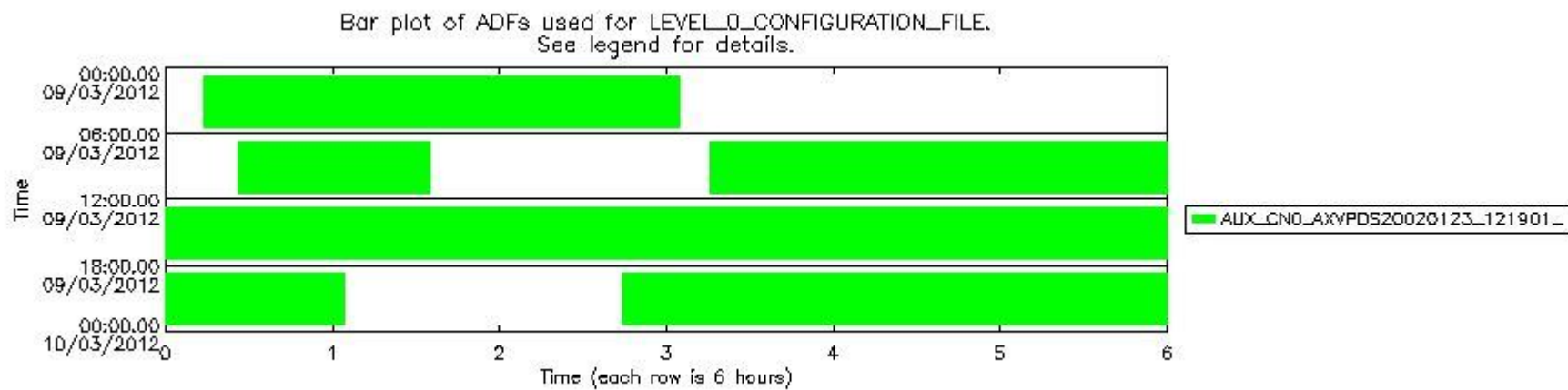
The use of ADFs is shown in two ways:

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.

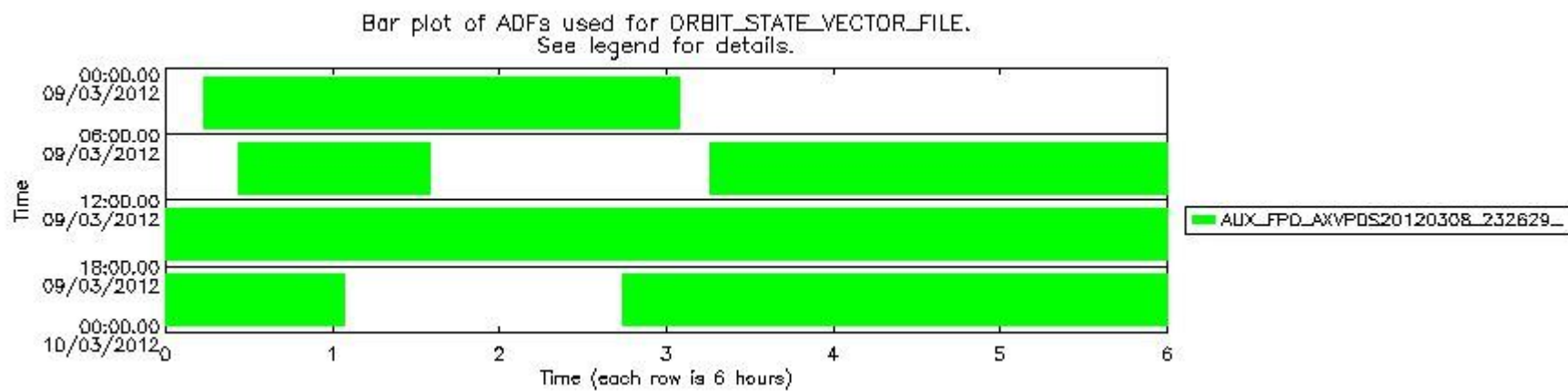
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120308_232629_20120308_192413_20120318_213752

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120309_001354_000058753112_00260_52429_1186.N1	0	1

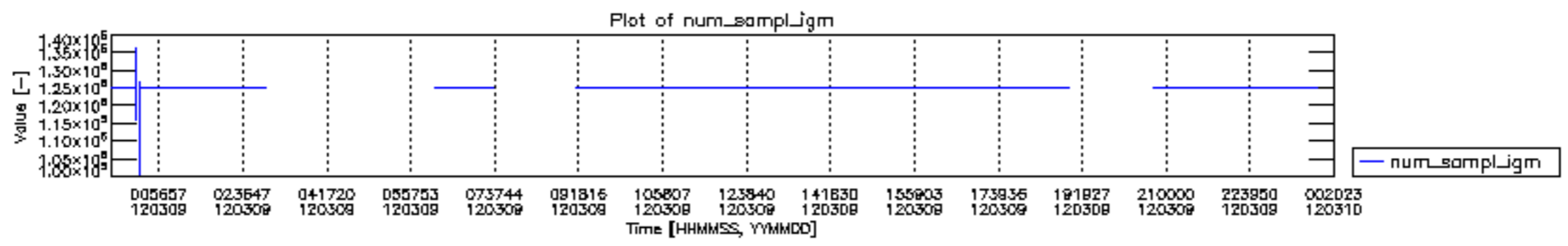
1	MIP_NL__0PNPDE20120309_001608_000012143112_00260_52429_5874.N1	0	1
2	MIP_NL__0PNPDE20120309_003243_000047463112_00261_52430_5873.N1	0	1
3	MIP_NL__0PNPDE20120309_015040_000044453112_00261_52430_1187.N1	0	1
4	MIP_NL__0PNPDK20120309_062623_000041153112_00264_52433_8827.N1	0	1
5	MIP_NL__0PNPDK20120309_091523_000060083112_00266_52435_8829.N1	0	1
6	MIP_NL__0PNPDK20120309_105447_000058223112_00267_52436_8830.N1	0	1
7	MIP_NL__0PNPDK20120309_123049_000061113112_00268_52437_8831.N1	0	1
8	MIP_NL__0PNPDK20120309_141143_000058893112_00269_52438_8832.N1	0	1
9	MIP_NL__0PNPDK20120309_154810_000058873112_00270_52439_8833.N1	0	1
10	MIP_NL__0PNPDK20120309_172512_000059353112_00271_52440_8834.N1	0	1
11	MIP_NL__0PNPDE20120309_204426_000042833112_00273_52442_1190.N1	0	1
12	MIP_NL__0PNPDE20120309_215444_000061653112_00273_52442_1191.N1	0	1
13	MIP_NL__0PNPDE20120309_233626_000060673112_00274_52443_1192.N1	0	1

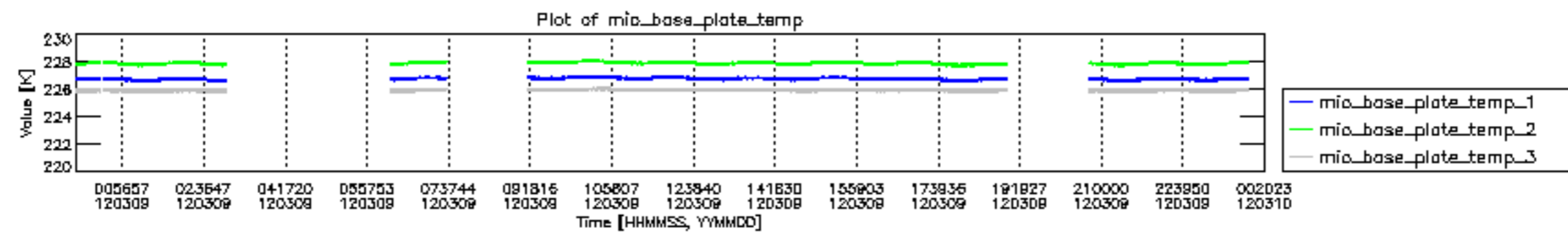


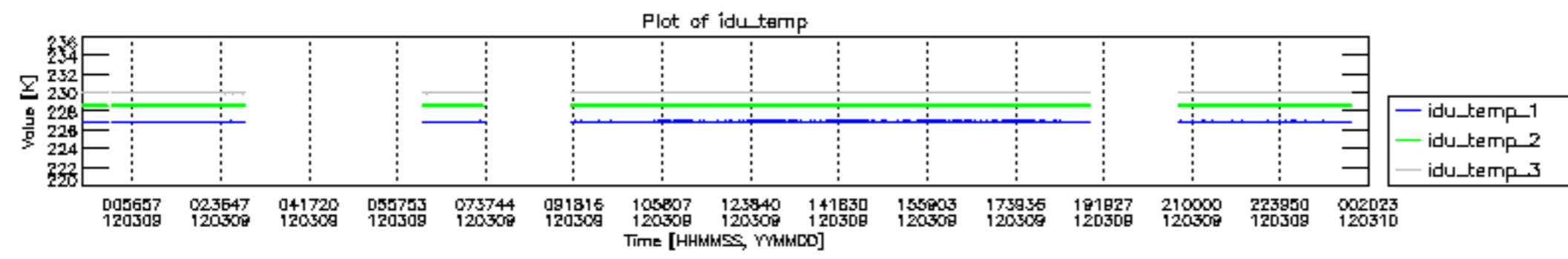
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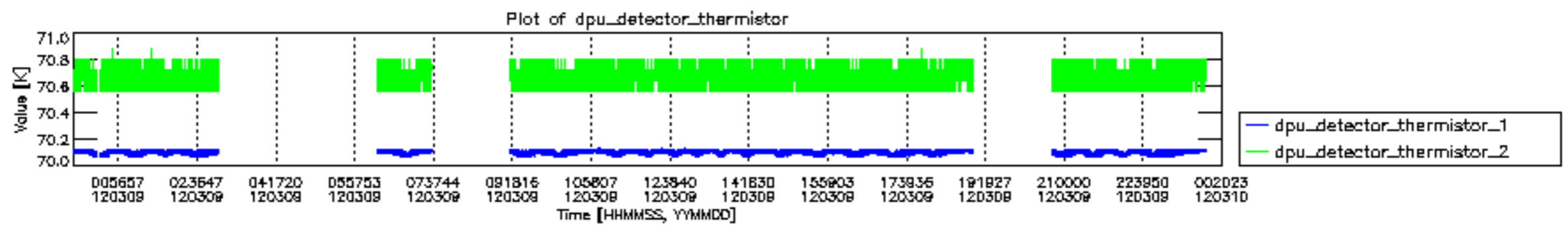


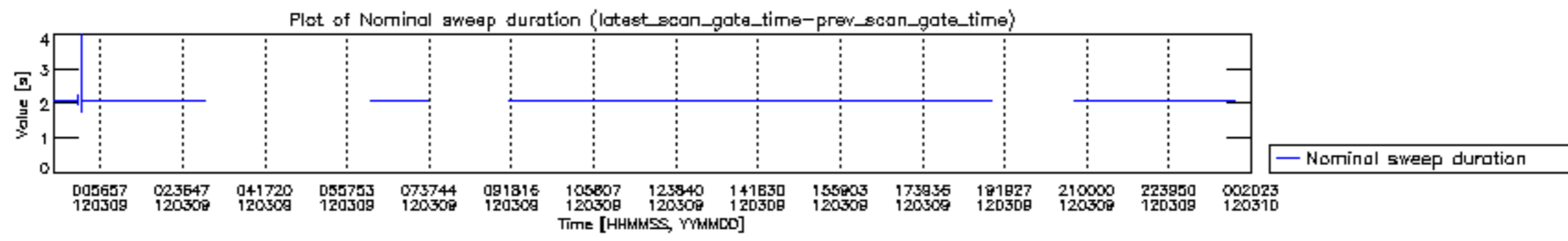
mipas_daily_report_level0_KSPT_L0_4504_N_20120309_13.PNG

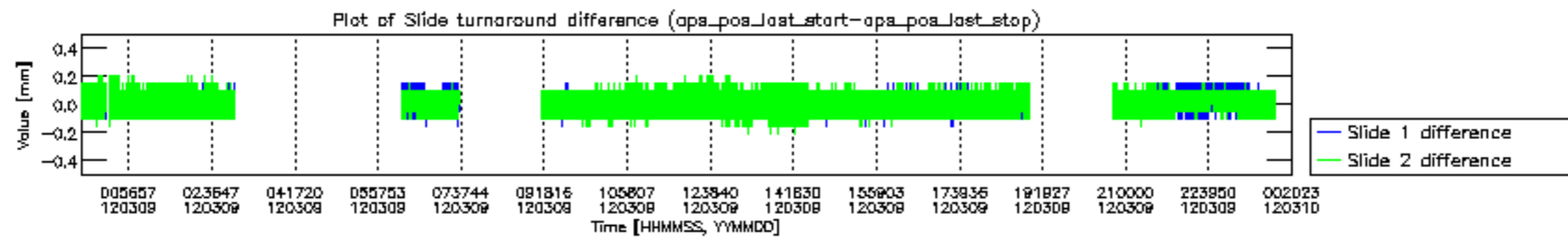


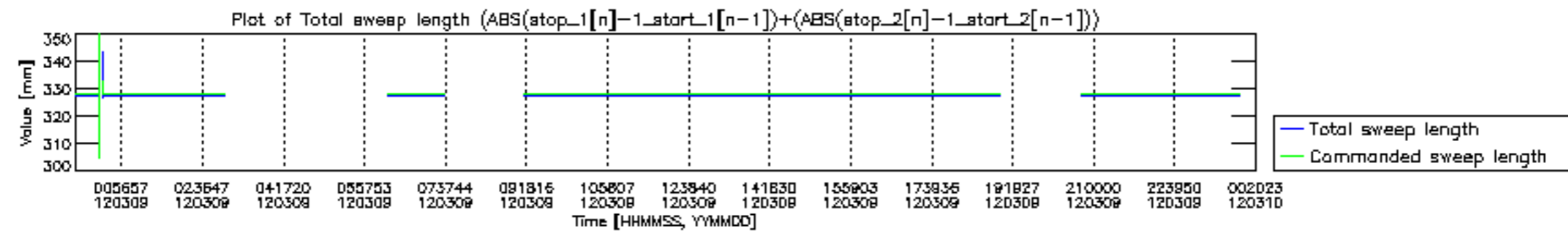


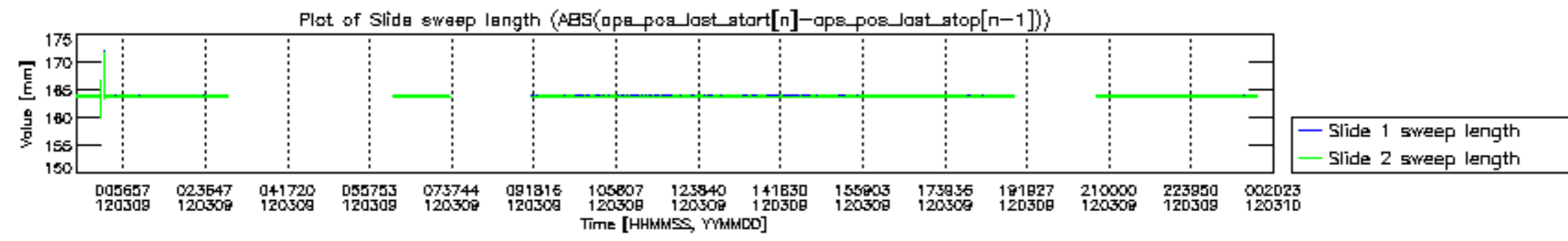


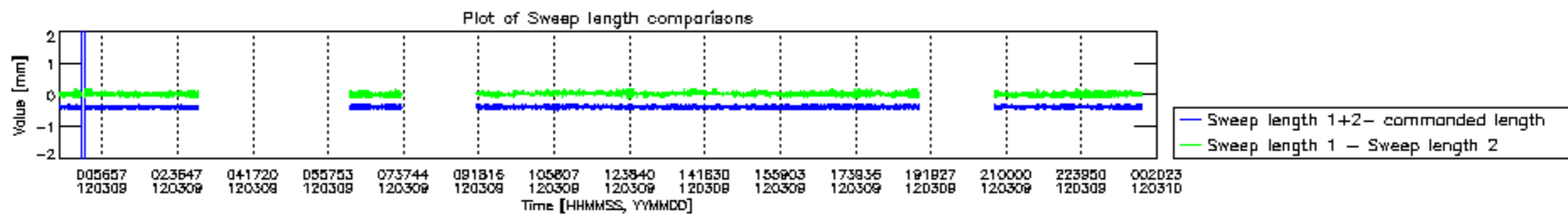


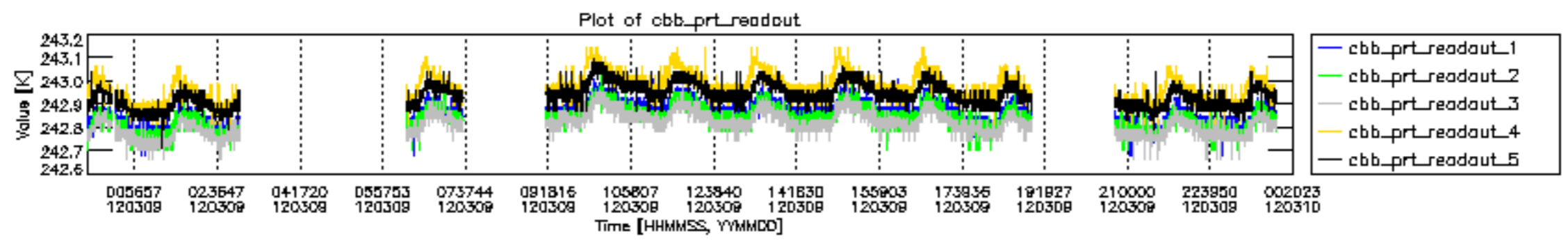


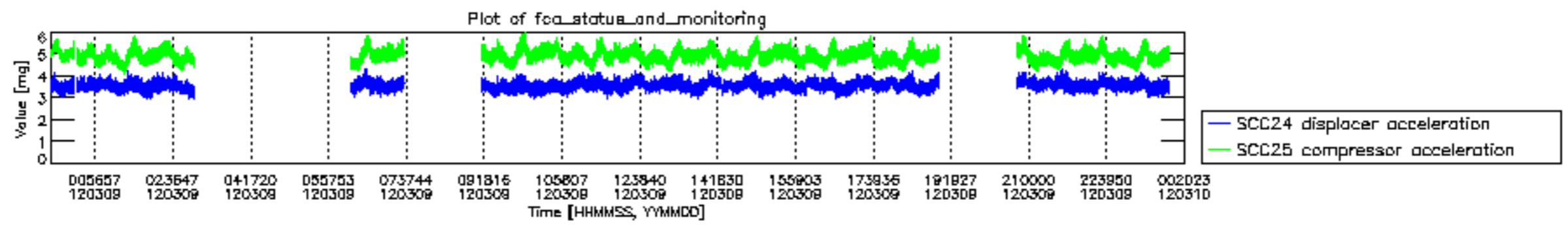












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

