

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	27SEP2011 05:22:58
Data source version	KSPT_L0/4504-N
Processing scope for products	22SEP2011 00:00:00 to 23SEP2011 00:00:00
Start time of first product within scope	22SEP2011 00:09:27
Stop time of last product within scope	23SEP2011 01:11:33
Total number of level 0 products	6
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.

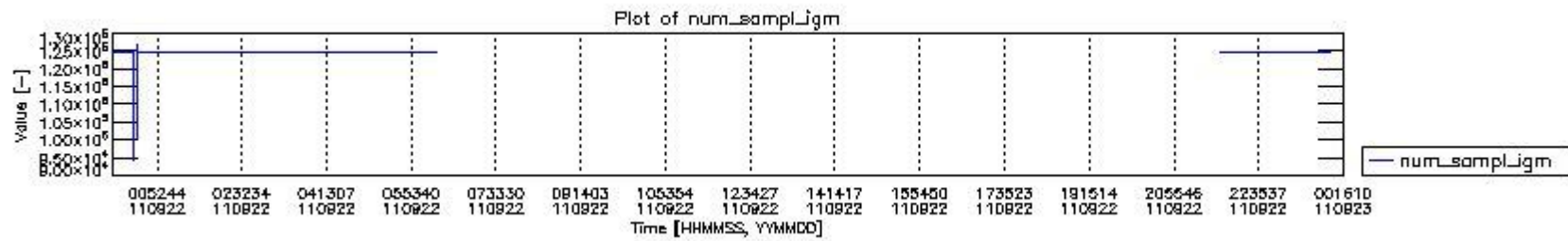
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110922_000927_000058763106_00418_50001_9689.N1	22SEP2011 00:09:27	22SEP2011 01:47:23	0	0	0	0	0
1	MIP_NL__0PNPDE20110922_014621_000044873106_00419_50002_9690.N1	22SEP2011 01:46:21	22SEP2011 03:01:08	0	0	0	0	0
2	MIP_NL__0PNPDE20110922_030032_000060873106_00420_50003_9691.N1	22SEP2011 03:00:32	22SEP2011 04:42:00	0	0	0	0	0
3	MIP_NL__0PNPDE20110922_044124_000060793106_00421_50004_9692.N1	22SEP2011 04:41:24	22SEP2011 06:22:43	0	0	0	0	0
4	MIP_NL__0PNPDE20110922_215047_000060603106_00431_50014_9694.N1	22SEP2011 21:50:47	22SEP2011 23:31:47	0	0	0	0	0
5	MIP_NL__0PNPDE20110922_233041_000060523107_00001_50015_9695.N1	22SEP2011 23:30:41	23SEP2011 01:11:33	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

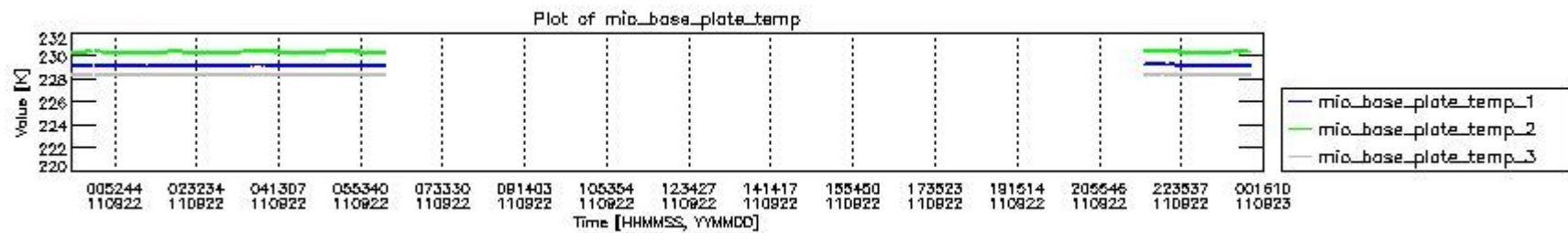
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

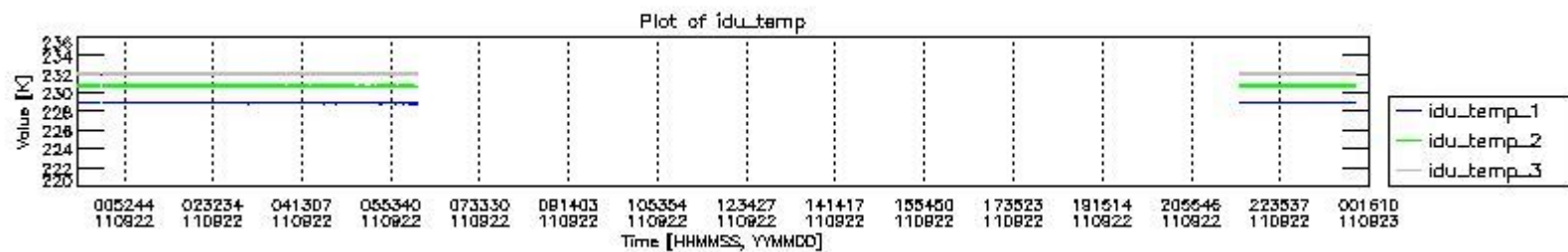
Number of igm samples	Count [#]	Count [%]
94340	1	0.0068404132
99504	1	0.0068404132
100483	1	0.0068404132
119636	1	0.0068404132
124800	13577	92.872289
124803	1036	7.0866680
125735	1	0.0068404132
126670	1	0.0068404132



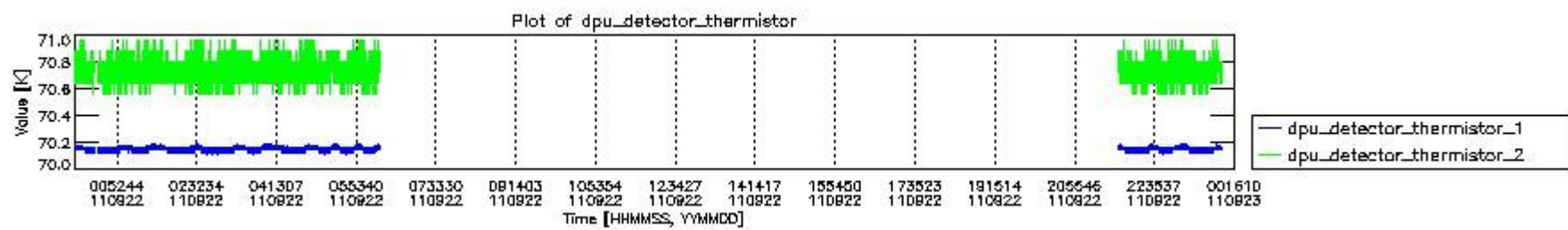
mipas_daily_report_level0_KSPT_L0_4504_N_20110922_0.PNG



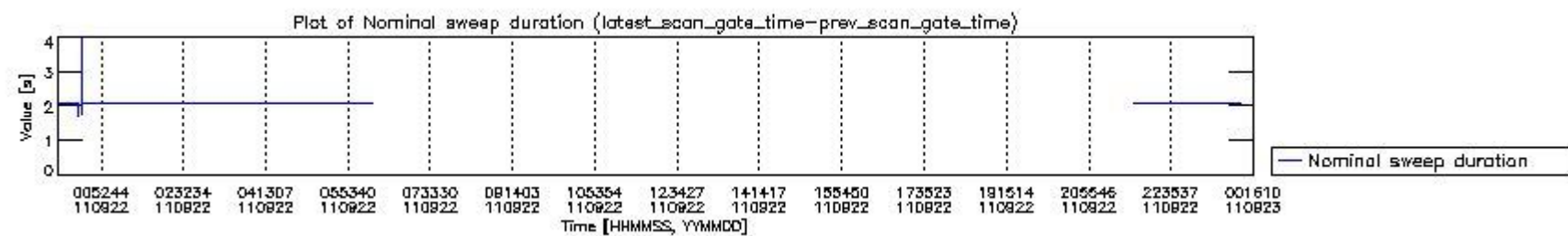
mipas_daily_report_level0_KSPT_L0_4504_N_20110922_1.PNG



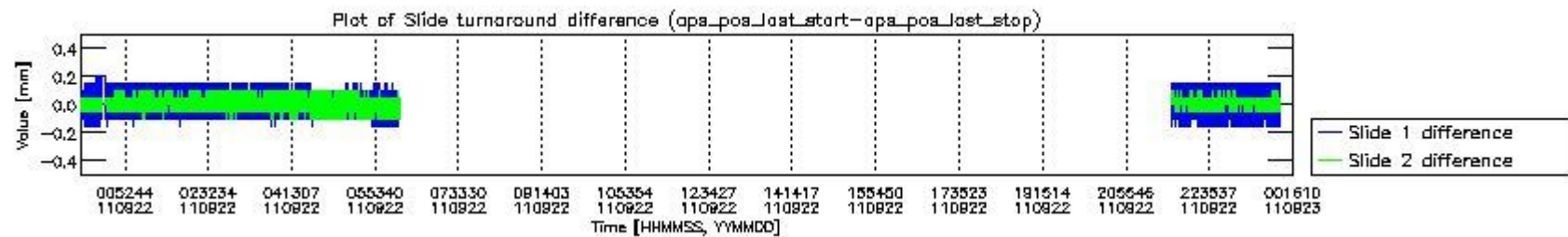
mipas_daily_report_level0_KSPT_L0_4504_N_20110922_2.PNG



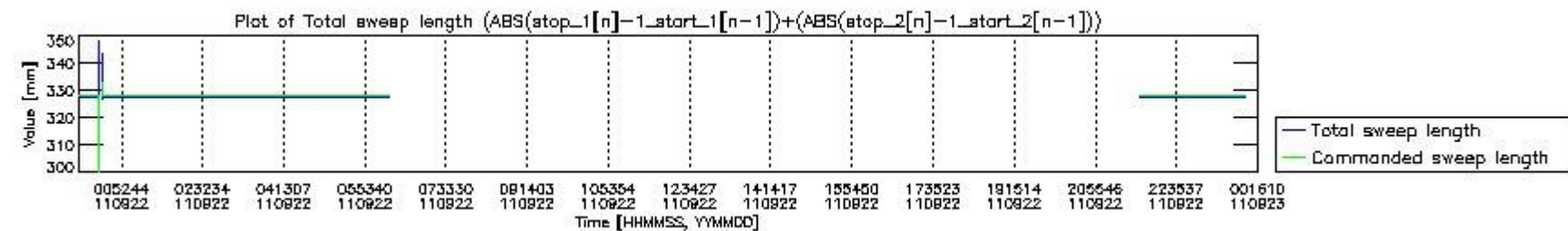
mipas_daily_report_level0_KSPT_L0_4504_N_20110922_3.PNG



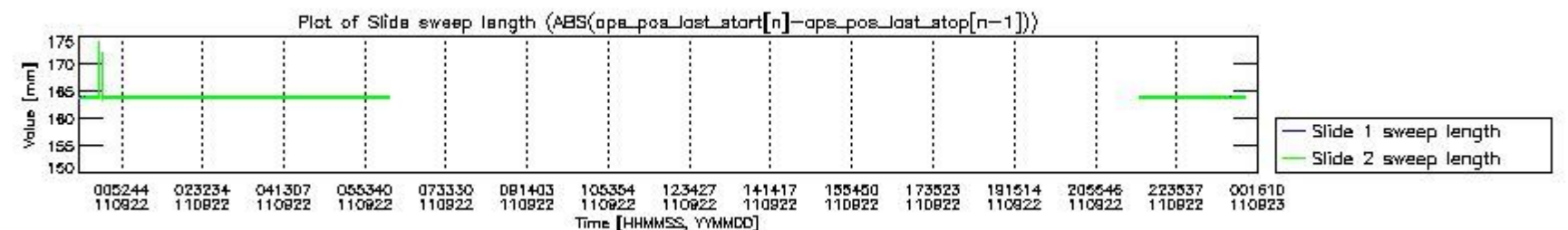
mipas_daily_report_level0_KSPT_L0_4504_N_20110922_4.PNG



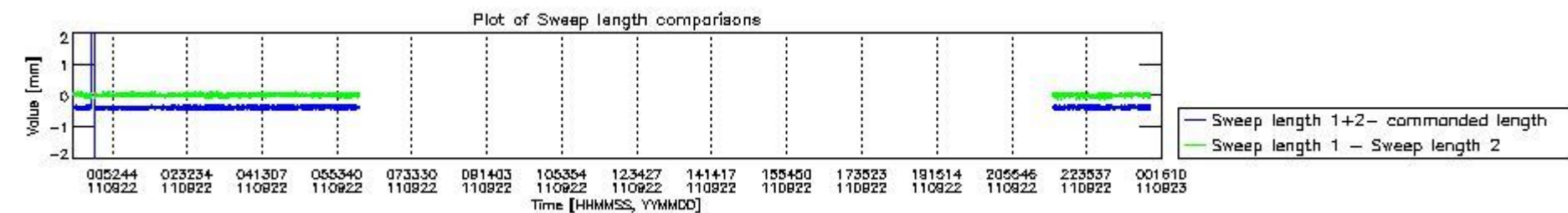
mipas_daily_report_level0_KSPT_L0_4504_N_20110922_5.PNG



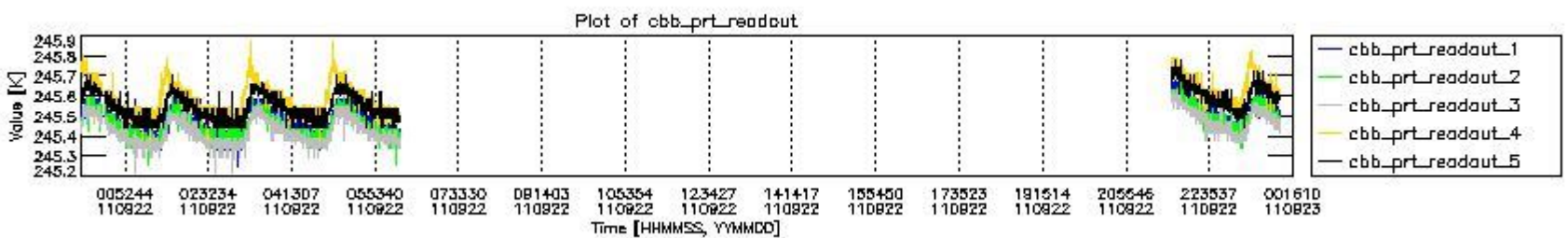
mipas_daily_report_level0_KSPT_L0_4504_N_20110922_6.PNG



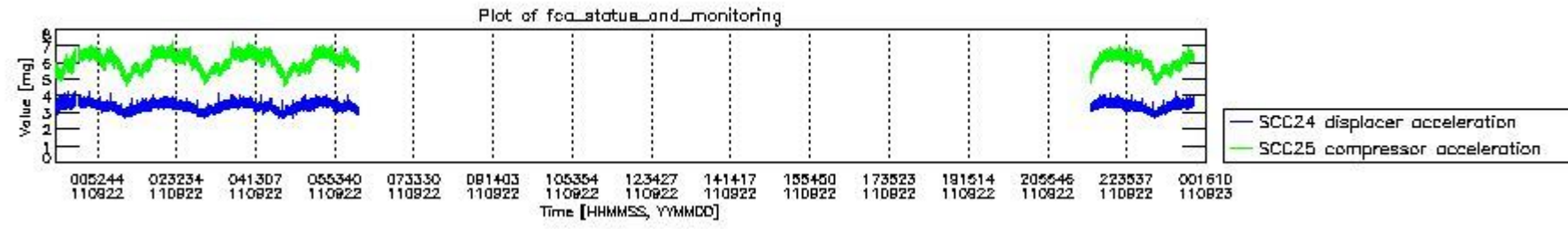
mipas_daily_report_level0_KSPT_L0_4504_N_20110922_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110922_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110922_9.PNG

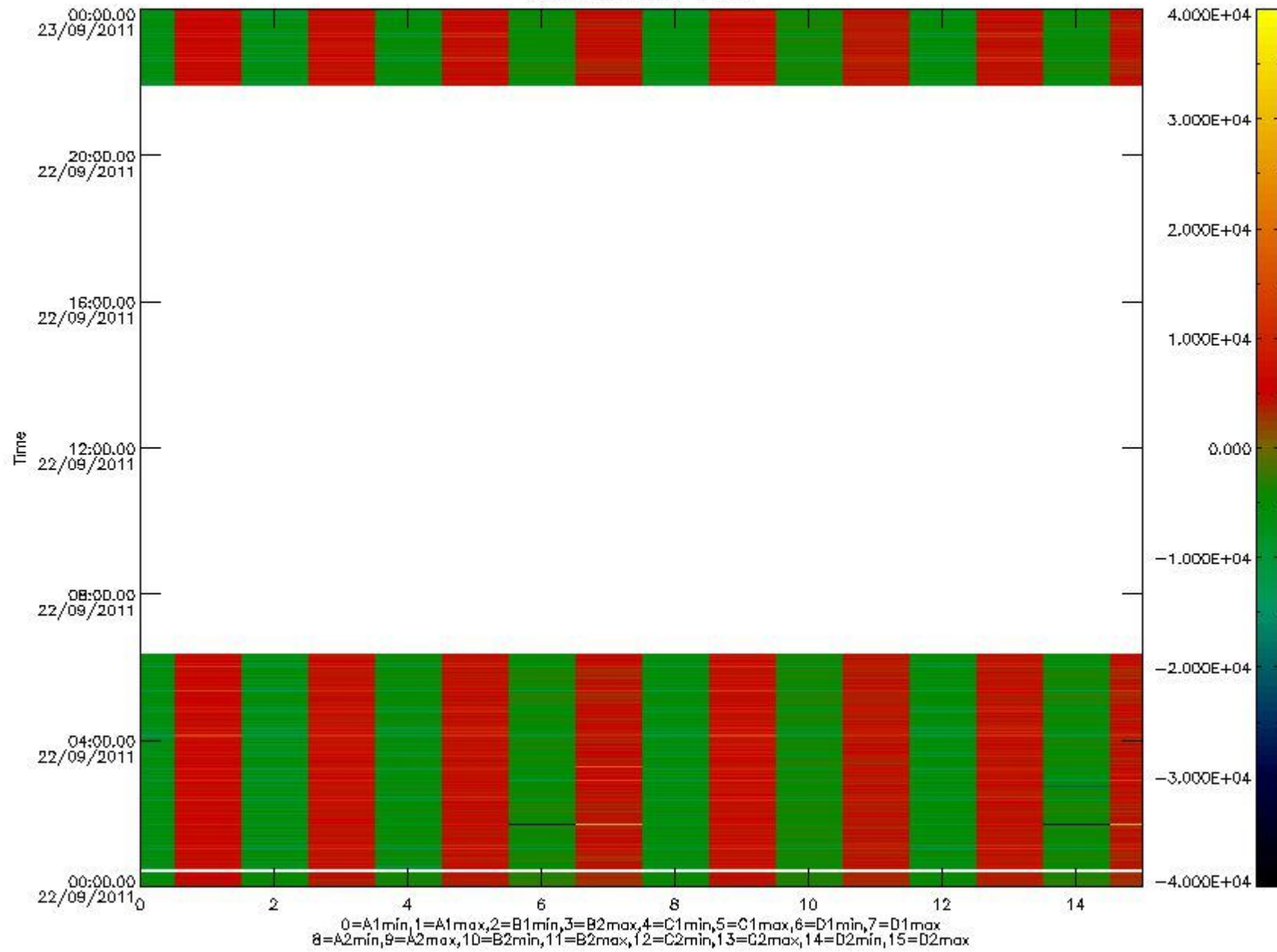


mipas_daily_report_level0_KSPT_L0_4504_N_20110922_10.PNG

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

Channel	Min	Max	ADC
A1	-18581	20074	16bit
B1	-18430	15975	16bit
C1	-22027	21539	16bit
D1	-32768	32767	16bit
A2	-15862	19598	16bit
B2	-16227	15940	16bit
C2	-22296	22926	16bit
D2	-32768	32767	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110922_11.PNG

0.3 ADF monitoring

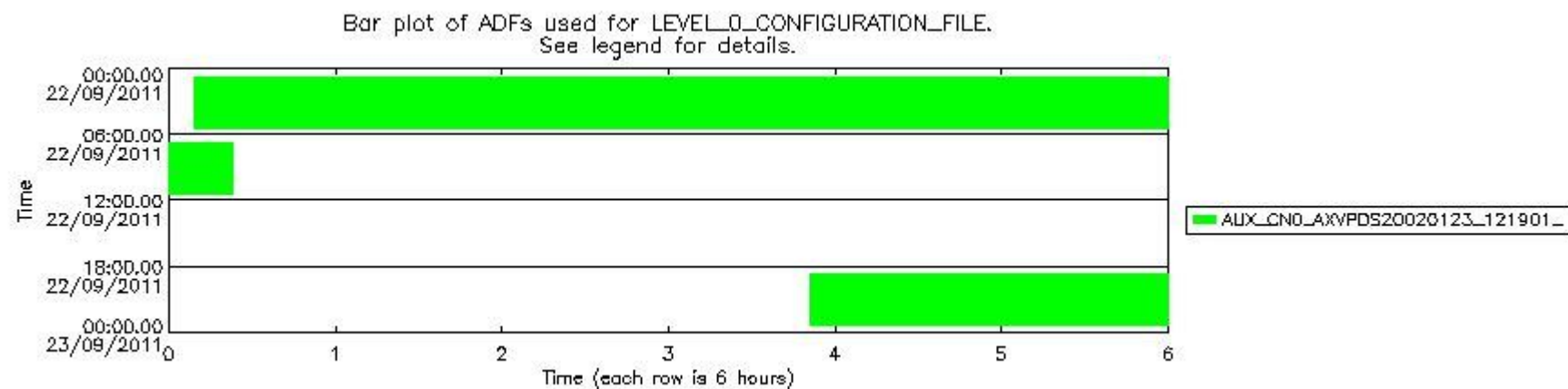
The use of ADFs is shown in two ways:

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.

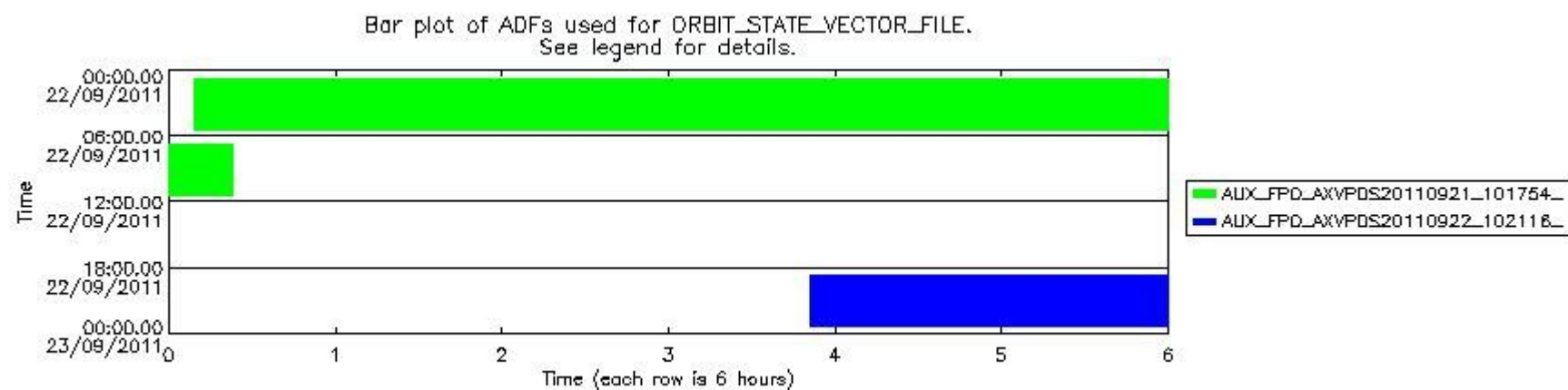
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110921_101754_20110920_195646_20110930_203017
2	AUX_FPO_AXVPDS20110922_102116_20110922_070139_20111002_091524

Number	Product name	#CN0	#FPO
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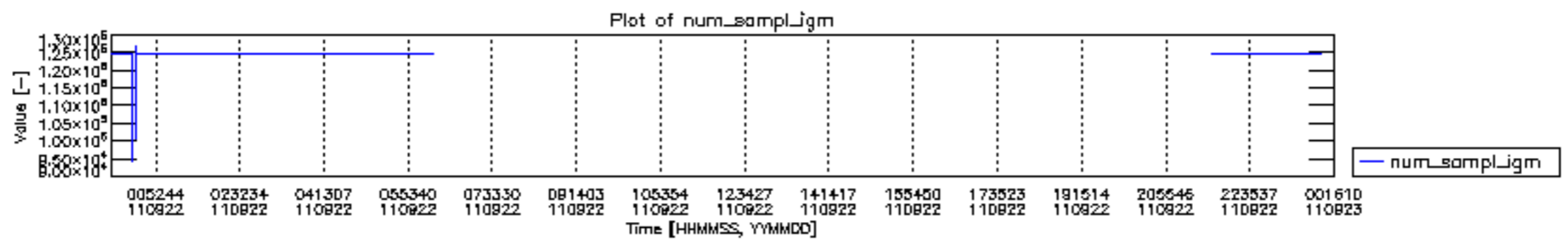
0	MIP_NL_0PNPDE20110922_000927_000058763106_00418_50001_9689.N1	0	1
1	MIP_NL_0PNPDE20110922_014621_000044873106_00419_50002_9690.N1	0	1
2	MIP_NL_0PNPDE20110922_030032_000060873106_00420_50003_9691.N1	0	1
3	MIP_NL_0PNPDE20110922_044124_000060793106_00421_50004_9692.N1	0	1
4	MIP_NL_0PNPDE20110922_215047_000060603106_00431_50014_9694.N1	0	2
5	MIP_NL_0PNPDE20110922_233041_000060523107_00001_50015_9695.N1	0	2

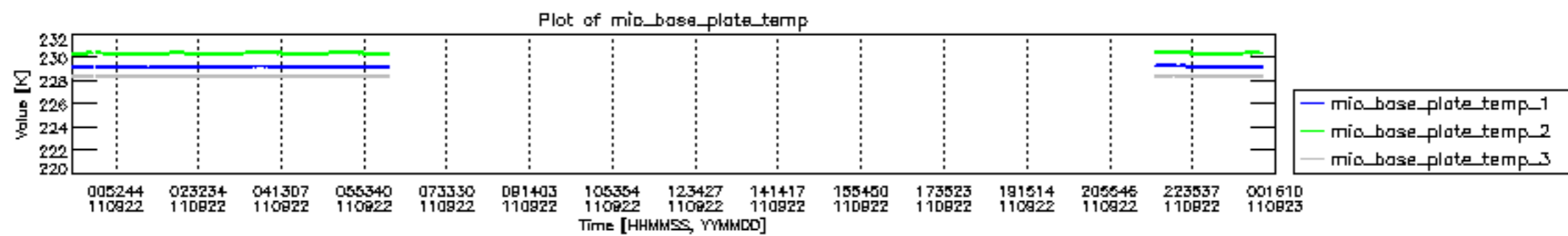


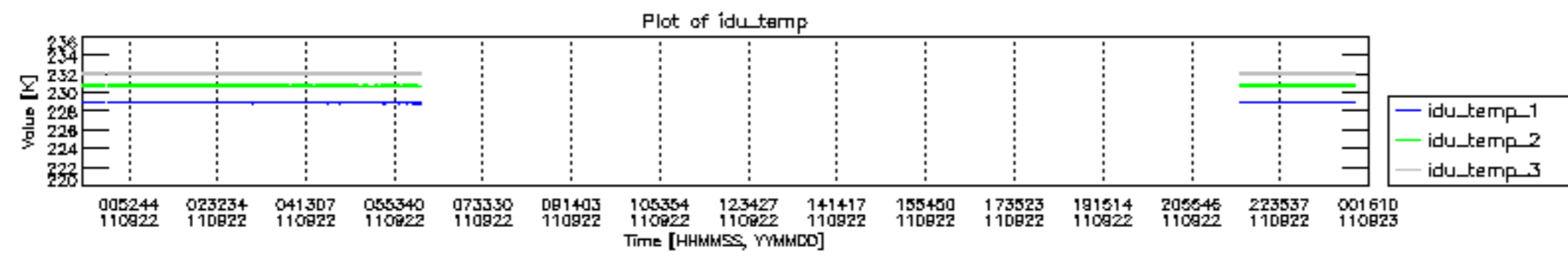
mipas_daily_report_level0_KSPT_L0_4504_N_20110922_12.PNG

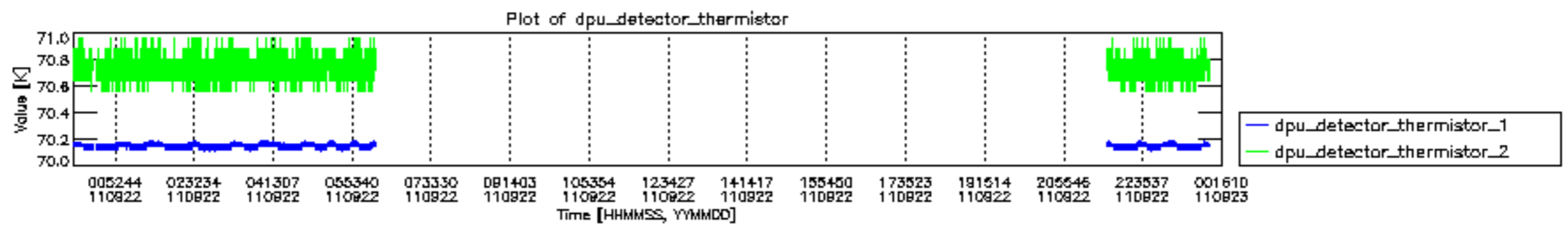


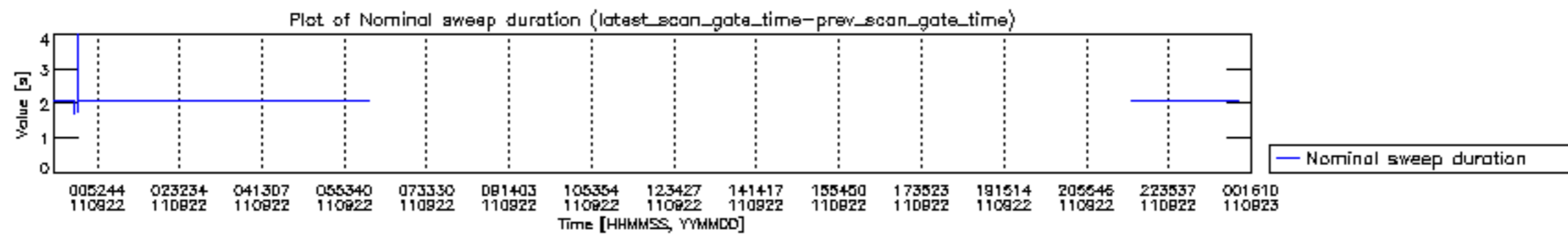
mipas_daily_report_level0_KSPT_L0_4504_N_20110922_13.PNG

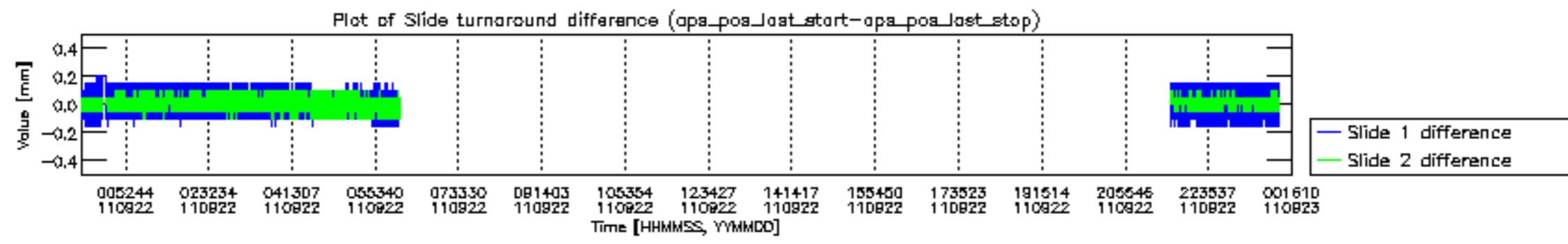


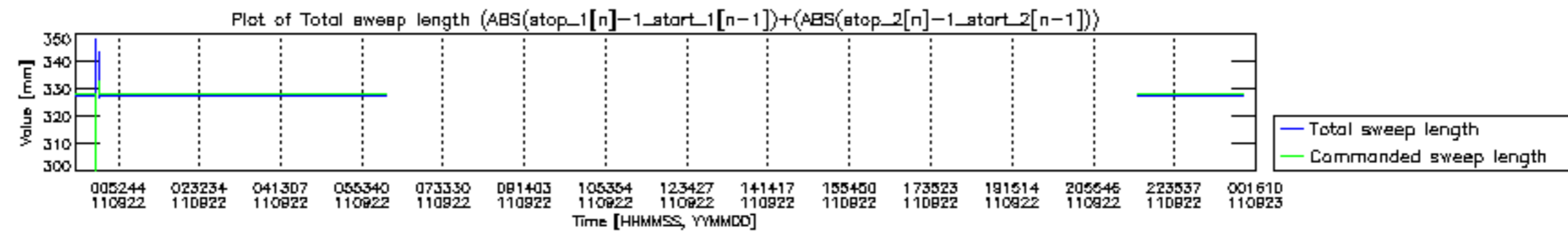


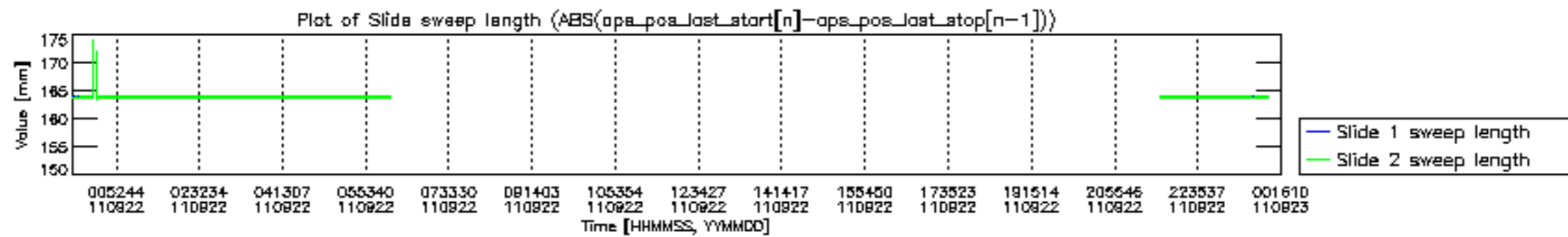


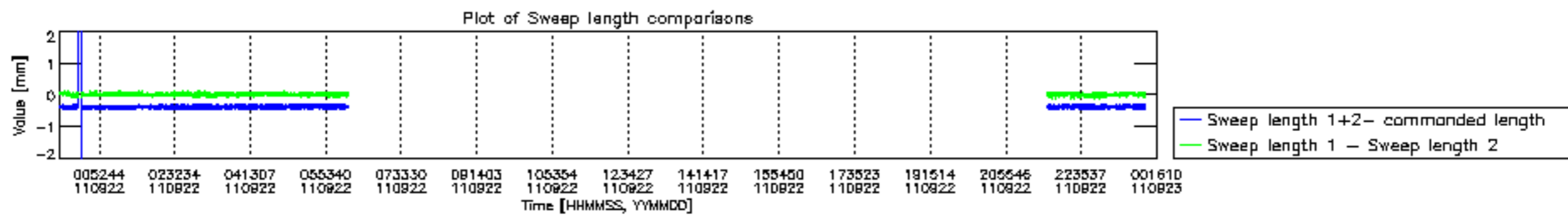


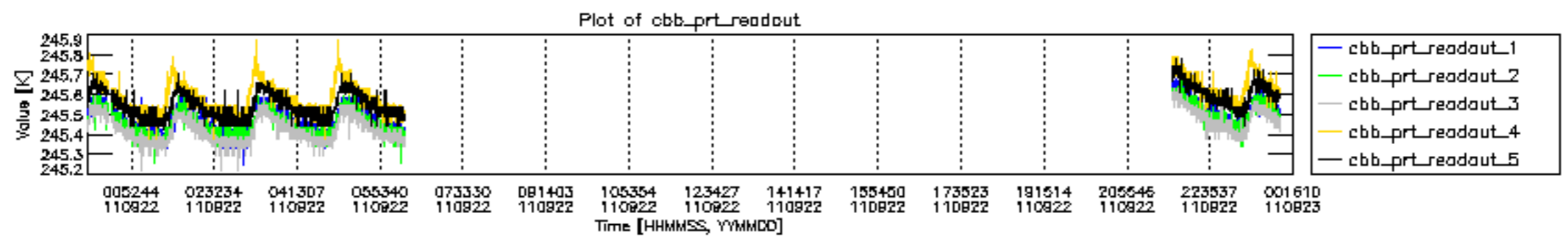


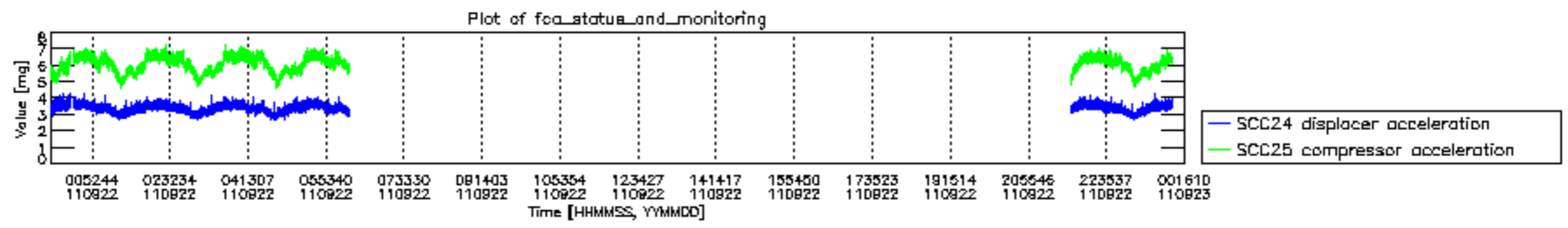












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

