

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	22JUL2011 05:23:14
Data source version	KSPT_L0/4504-N
Processing scope for products	17JUL2011 00:00:00 to 18JUL2011 00:00:00
Start time of first product within scope	17JUL2011 01:04:10
Stop time of last product within scope	18JUL2011 00:28:11
Total number of level 0 products	11
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.

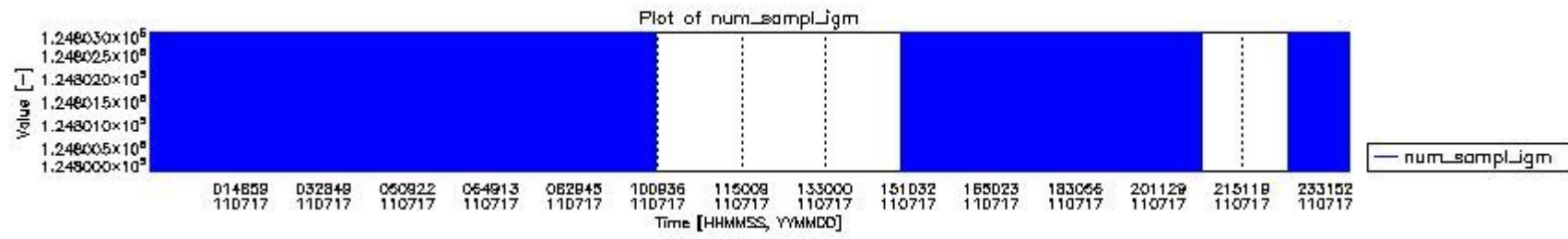
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110717_010410_000102433104_00318_49039_9249.N1	17JUL2011 01:04:10	17JUL2011 03:54:53	0	0	0	0	0
1	MIP_NL__0PNPDE20110717_014746_000076273104_00319_49040_9251.N1	17JUL2011 01:47:46	17JUL2011 03:54:53	0	0	0	0	0
2	MIP_NL__0PNPDE20110717_035415_000062323104_00320_49041_9250.N1	17JUL2011 03:54:15	17JUL2011 05:38:07	0	0	0	0	0
3	MIP_NL__0PNPDE20110717_053729_000060443104_00321_49042_9252.N1	17JUL2011 05:37:29	17JUL2011 07:18:13	0	0	0	0	0
4	MIP_NL__0PNPDK20110717_071735_000040783104_00322_49043_5793.N1	17JUL2011 07:17:35	17JUL2011 08:25:33	0	0	0	0	0
5	MIP_NL__0PNPDK20110717_082458_000061573104_00323_49044_5794.N1	17JUL2011 08:24:58	17JUL2011 10:07:34	0	0	0	0	0
6	MIP_NL__0PNPDK20110717_150054_000058953104_00327_49048_5798.N1	17JUL2011 15:00:54	17JUL2011 16:39:09	0	0	0	0	0
7	MIP_NL__0PNPDK20110717_163802_000059623104_00328_49049_5799.N1	17JUL2011 16:38:02	17JUL2011 18:17:24	0	0	0	0	0
8	MIP_NL__0PNPDK20110717_181618_000058773104_00329_49050_5800.N1	17JUL2011 18:16:18	17JUL2011 19:54:14	0	0	0	0	0
9	MIP_NL__0PNPDE20110717_195217_000042933104_00330_49051_9253.N1	17JUL2011 19:52:17	17JUL2011 21:03:50	0	0	0	0	0
10	MIP_NL__0PNPDE20110717_224710_000060603104_00331_49052_9255.N1	17JUL2011 22:47:10	18JUL2011 00:28:11	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

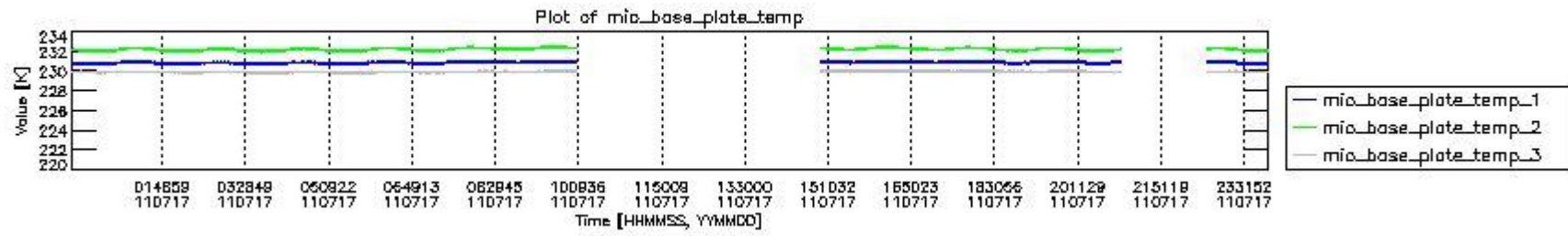
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

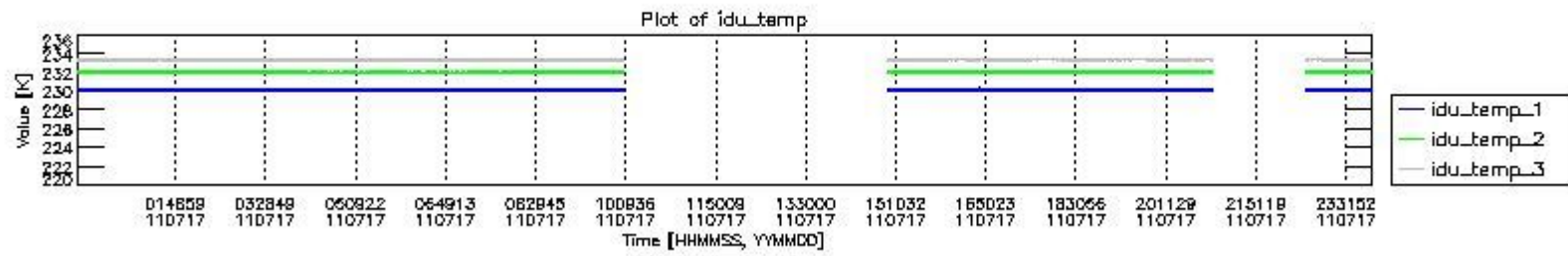
Number of igm samples	Count [#]	Count [%]
124800	27945	92.849786
124803	2152	7.1502143



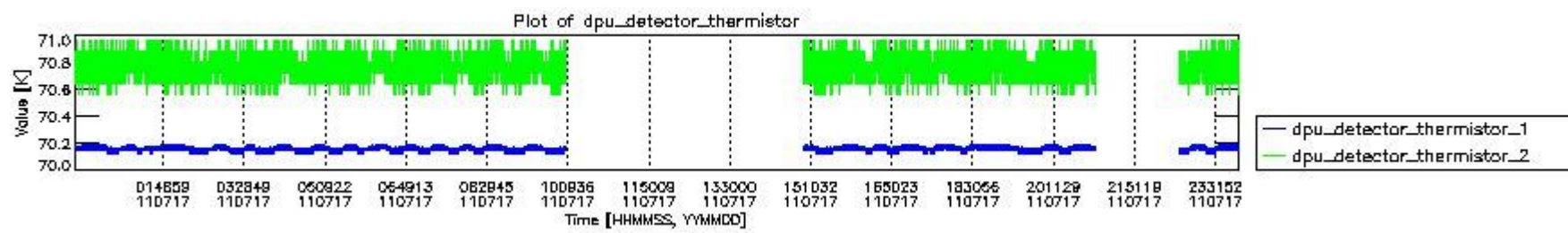
mipas_daily_report_level0_KSPT_L0_4504_N_20110717_0.PNG



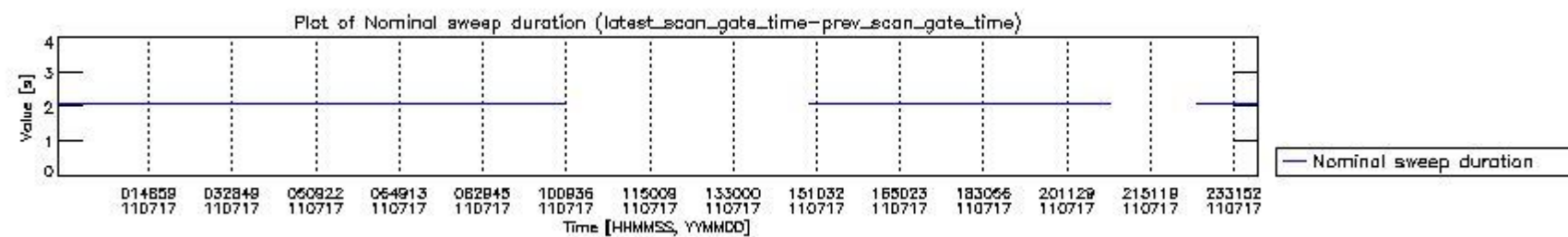
mipas_daily_report_level0_KSPT_L0_4504_N_20110717_1.PNG



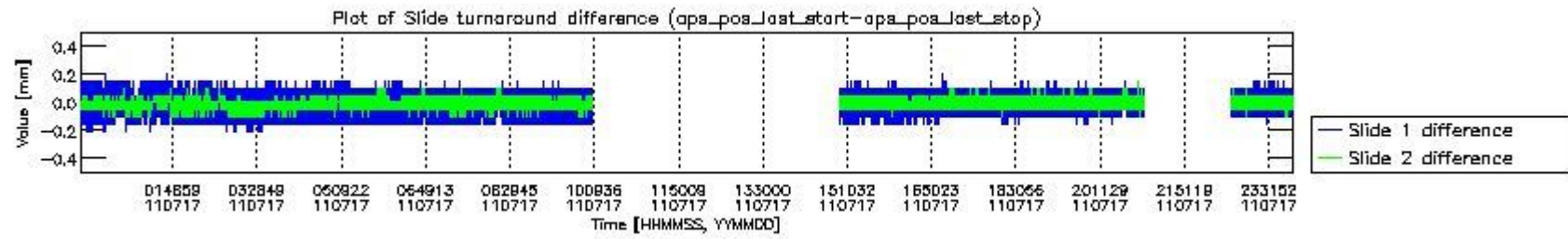
mipas_daily_report_level0_KSPT_L0_4504_N_20110717_2.PNG



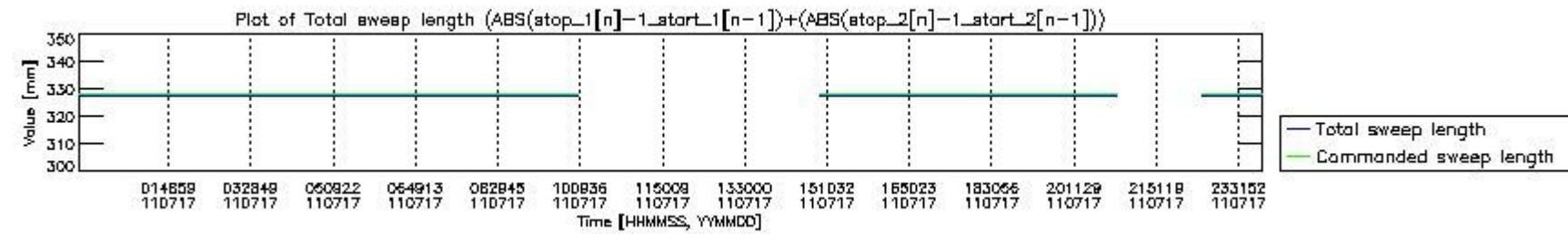
mipas_daily_report_level0_KSPT_L0_4504_N_20110717_3.PNG



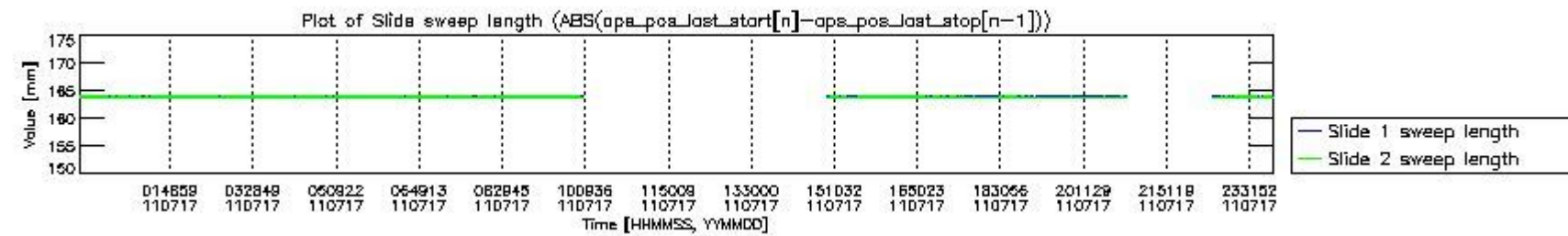
mipas_daily_report_level0_KSPT_L0_4504_N_20110717_4.PNG



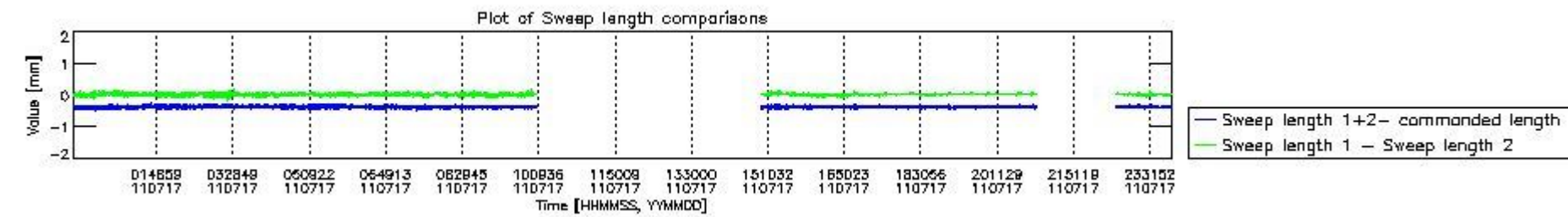
mipas_daily_report_level0_KSPT_L0_4504_N_20110717_5.PNG



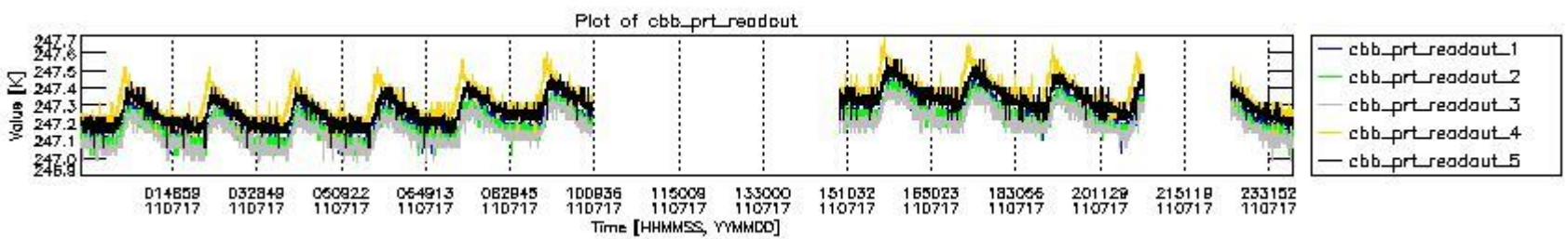
mipas_daily_report_level0_KSPT_L0_4504_N_20110717_6.PNG



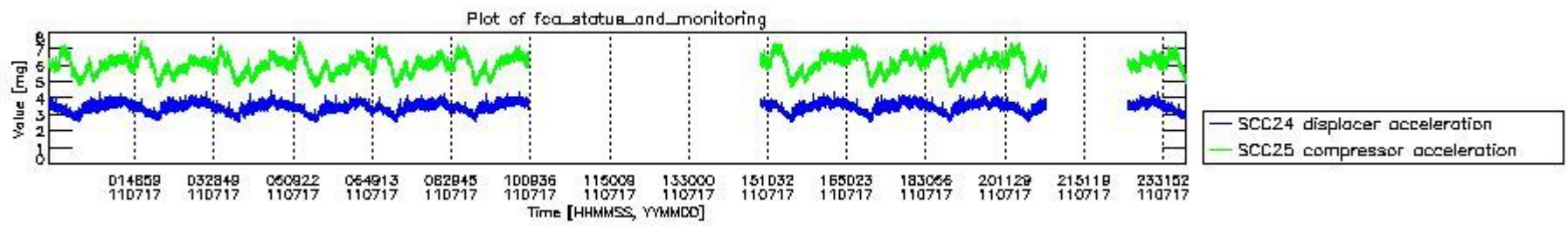
mipas_daily_report_level0_KSPT_L0_4504_N_20110717_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110717_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110717_9.PNG

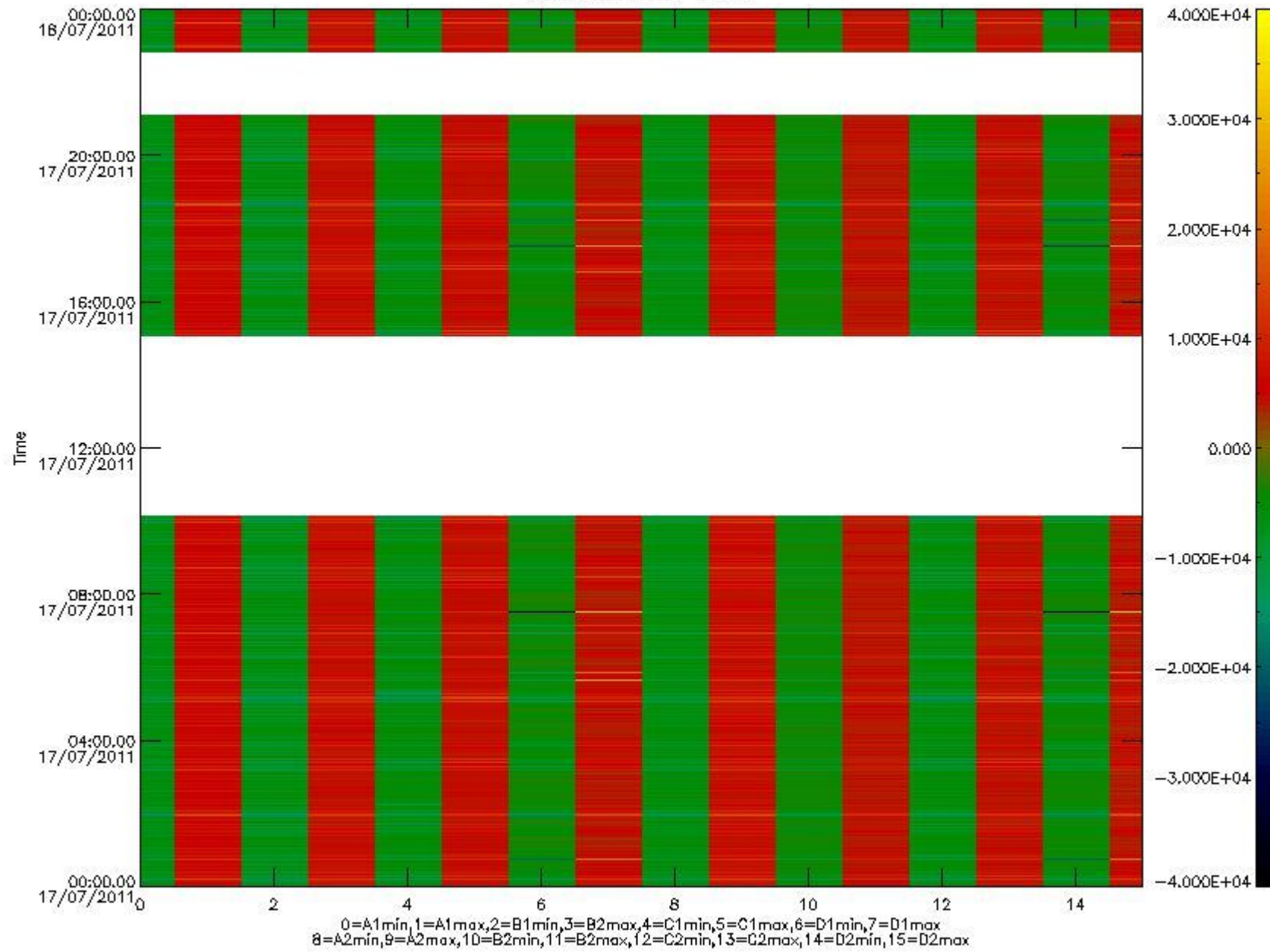


mipas_daily_report_level0_KSPT_L0_4504_N_20110717_10.PNG

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

Channel	Min	Max	ADC
A1	-18476	19751	16bit
B1	-18593	16253	16bit
C1	-19369	18640	16bit
D1	-32768	32767	16bit
A2	-15718	19361	16bit
B2	-15113	14807	16bit
C2	-19296	22151	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_20110717_11.PNG

0.3 ADF monitoring

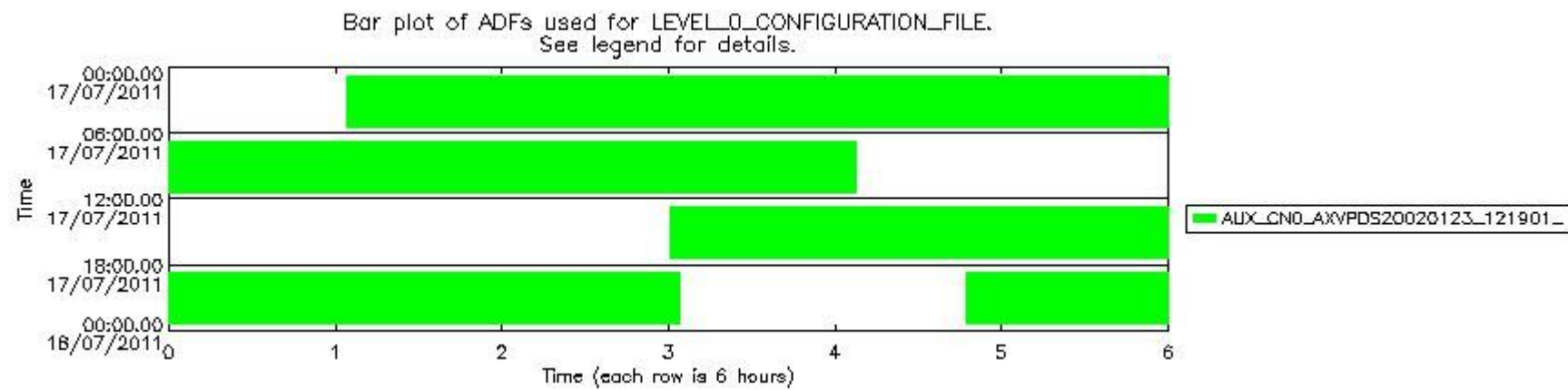
The use of ADFs is shown in two ways:

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.

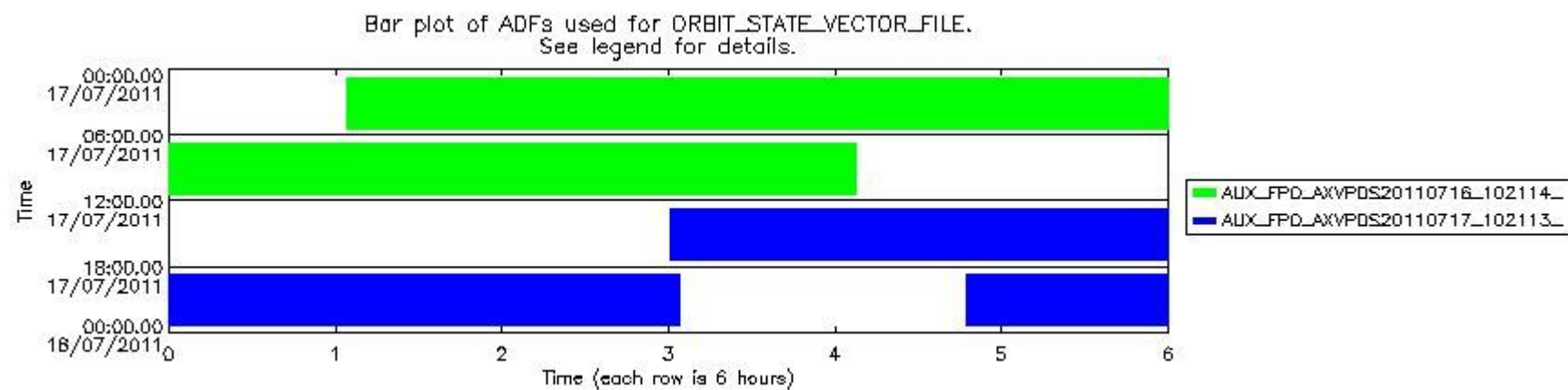
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110716_102114_20110715_191230_20110725_212617
2	AUX_FPO_AXVPDS20110717_102113_20110716_183545_20110726_204933

Number	Product name	#CN0	#FPO
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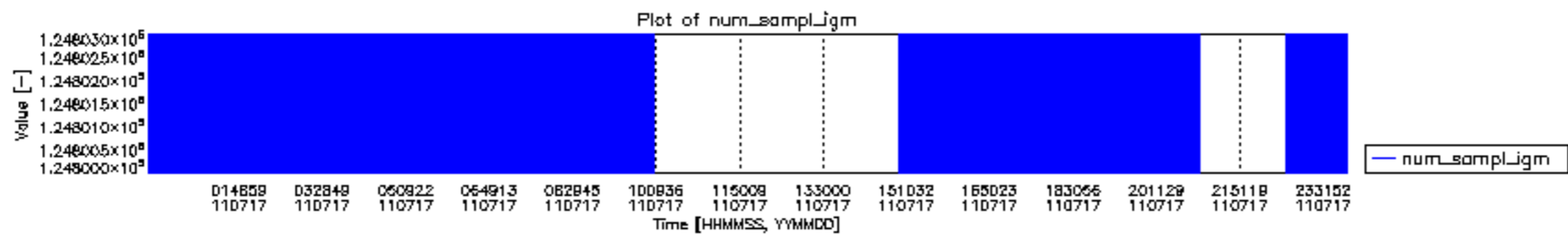
0	MIP_NL__0PNPDE20110717_010410_000102433104_00318_49039_9249.N1	0	1
1	MIP_NL__0PNPDE20110717_014746_000076273104_00319_49040_9251.N1	0	1
2	MIP_NL__0PNPDE20110717_035415_000062323104_00320_49041_9250.N1	0	1
3	MIP_NL__0PNPDE20110717_053729_000060443104_00321_49042_9252.N1	0	1
4	MIP_NL__0PNPDK20110717_071735_000040783104_00322_49043_5793.N1	0	1
5	MIP_NL__0PNPDK20110717_082458_000061573104_00323_49044_5794.N1	0	1
6	MIP_NL__0PNPDK20110717_150054_000058953104_00327_49048_5798.N1	0	2
7	MIP_NL__0PNPDK20110717_163802_000059623104_00328_49049_5799.N1	0	2
8	MIP_NL__0PNPDK20110717_181618_000058773104_00329_49050_5800.N1	0	2
9	MIP_NL__0PNPDE20110717_195217_000042933104_00330_49051_9253.N1	0	2
10	MIP_NL__0PNPDE20110717_224710_000060603104_00331_49052_9255.N1	0	2

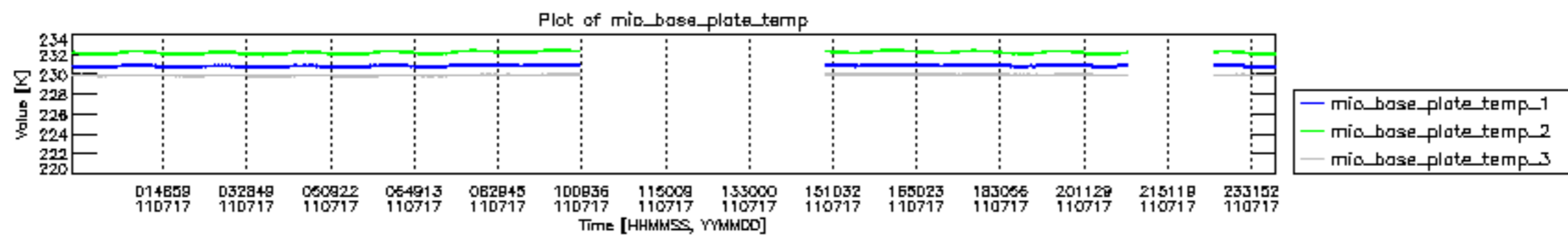


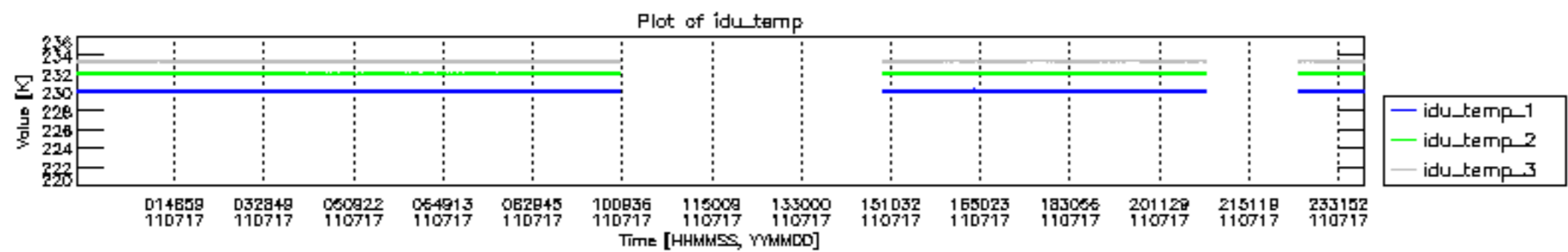
mipas_daily_report_level0_KSPT_L0_4504_N_20110717_12.PNG

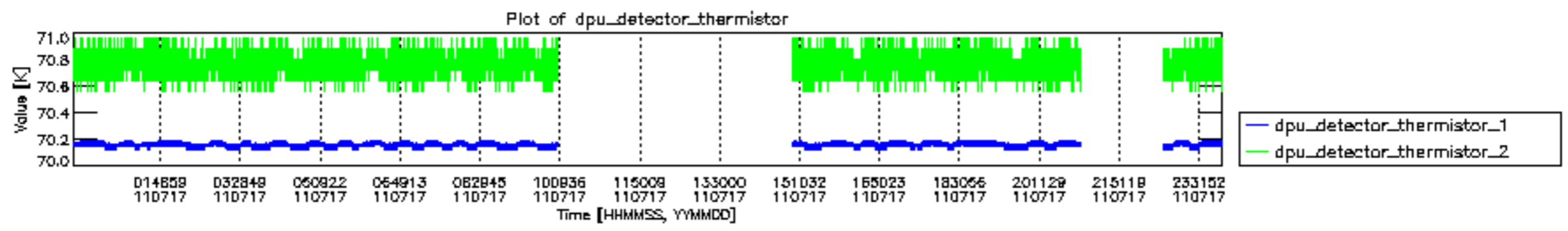


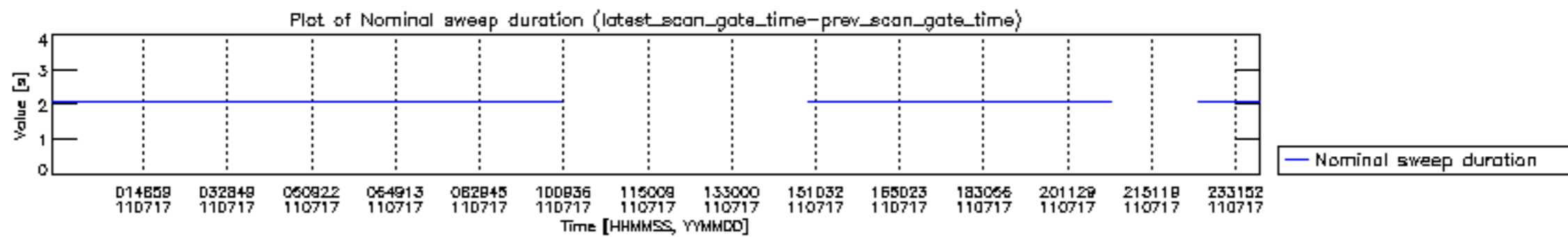
mipas_daily_report_level0_KSPT_L0_4504_N_20110717_13.PNG

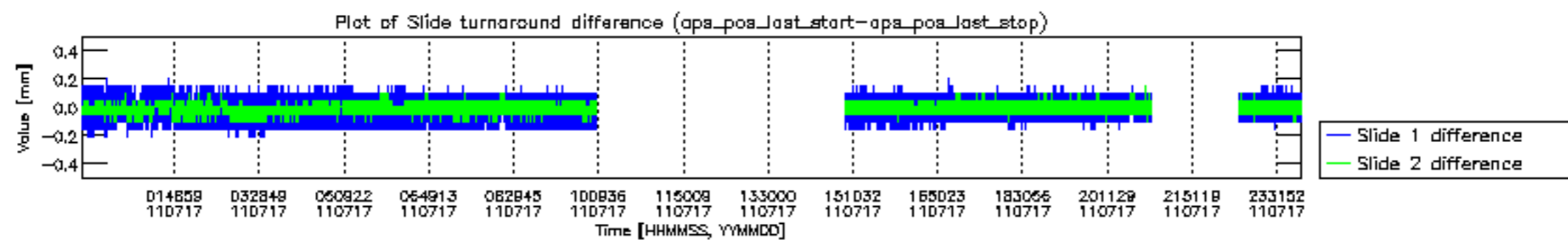


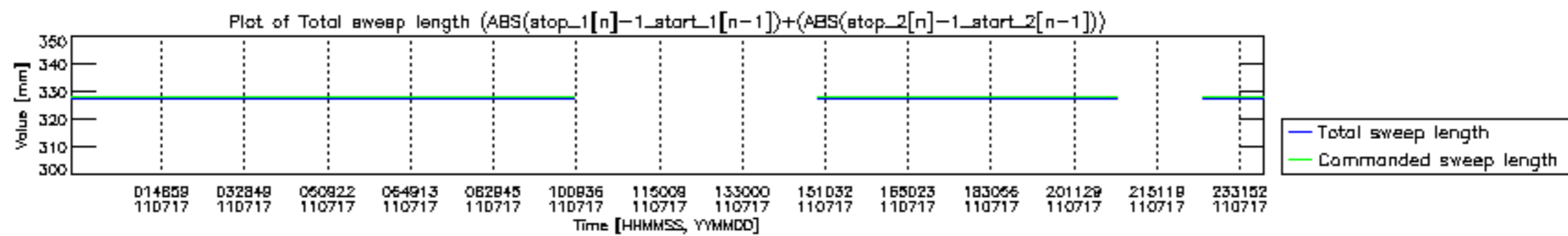


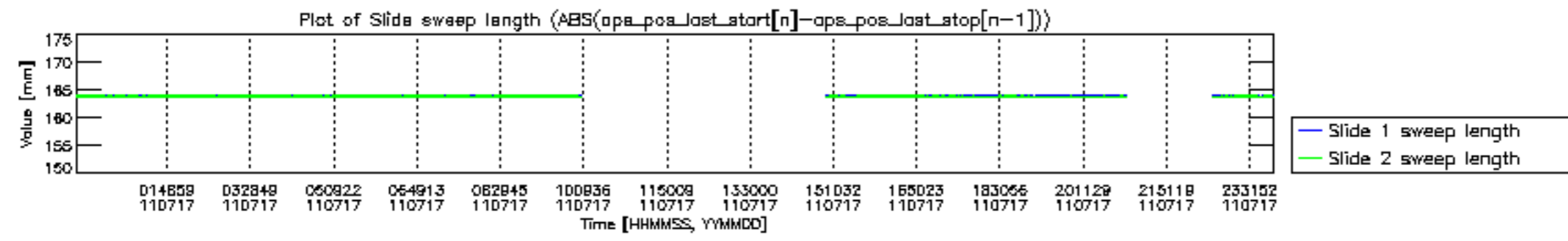


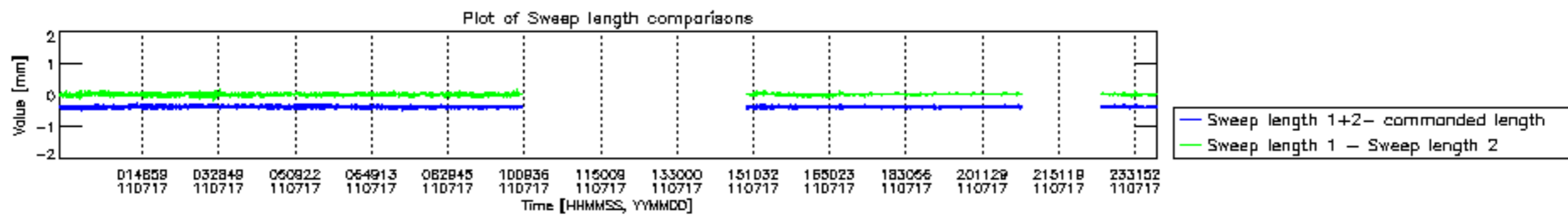


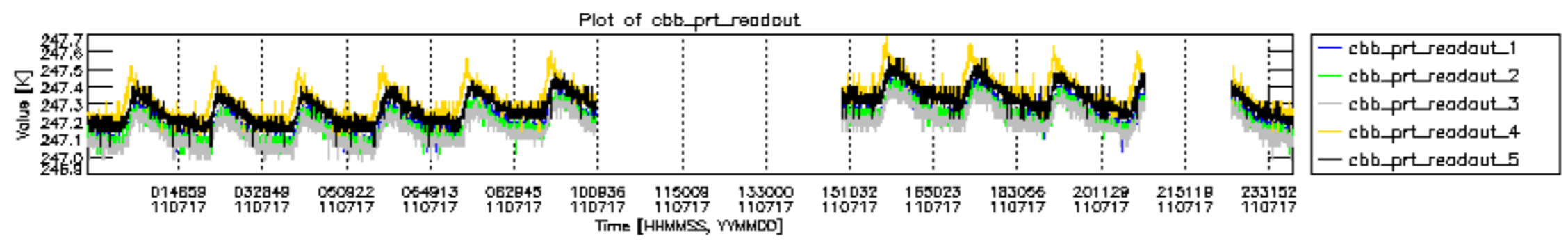


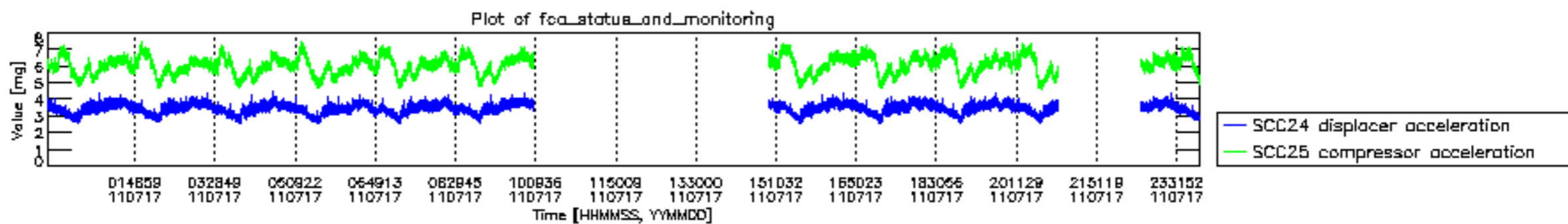












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

