

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	17AUG2011 05:22:47
Data source version	KSPT_L0/4504-N
Processing scope for products	12AUG2011 00:00:00 to 13AUG2011 00:00:00
Start time of first product within scope	12AUG2011 00:12:31
Stop time of last product within scope	13AUG2011 01:15:51
Total number of level 0 products	17
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__OPNPDE20110812_001231_000058363105_00260_49412_9420.N1	12AUG2011 00:12:31	12AUG2011 01:49:47	0	0	0	0	0
1	MIP_NL__OPNPDE20110812_014845_000045423105_00261_49413_9421.N1	12AUG2011 01:48:45	12AUG2011 03:04:26	0	0	0	0	0
2	MIP_NL__OPNPDE20110812_030353_000060583105_00262_49414_9422.N1	12AUG2011 03:03:53	12AUG2011 04:44:51	0	0	0	0	0
3	MIP_NL__OPNPDE20110812_044415_000061153105_00263_49415_9423.N1	12AUG2011 04:44:15	12AUG2011 06:26:10	0	0	0	0	0
4	MIP_NL__OPNPDK20110812_062532_000040743105_00264_49416_6028.N1	12AUG2011 06:25:32	12AUG2011 07:33:26	0	0	0	0	0
5	MIP_NL__OPNPDK20110812_073253_000061113105_00265_49417_6029.N1	12AUG2011 07:32:53	12AUG2011 09:14:43	0	0	0	0	0
6	MIP_NL__OPNPDK20110812_091404_000060063105_00266_49418_6030.N1	12AUG2011 09:14:04	12AUG2011 10:54:10	0	0	0	0	0
7	MIP_NL__OPNPDK20110812_105330_000058973105_00267_49419_6031.N1	12AUG2011 10:53:30	12AUG2011 12:31:48	0	0	0	0	0
8	MIP_NL__OPNPDK20110812_123104_000060333105_00268_49420_6032.N1	12AUG2011 12:31:04	12AUG2011 14:11:37	0	0	0	0	0
9	MIP_NL__OPNPDK20110812_141103_000036063105_00269_49421_6033.N1	12AUG2011 14:11:03	12AUG2011 15:11:09	0	0	0	0	0
10	MIP_NL__OPNPDK20110812_151109_000022143105_00269_49421_6034.N1	12AUG2011 15:11:09	12AUG2011 15:48:03	0	0	0	0	0
11	MIP_NL__OPNPDK20110812_154720_000059253105_00270_49422_6035.N1	12AUG2011 15:47:20	12AUG2011 17:26:04	0	0	0	0	0
12	MIP_NL__OPNPDK20110812_172506_000059753105_00271_49423_6036.N1	12AUG2011 17:25:06	12AUG2011 19:04:40	0	0	0	0	0
13	MIP_NL__OPNPDK20110812_190342_000059913105_00272_49424_6037.N1	12AUG2011 19:03:42	12AUG2011 20:43:33	0	0	0	0	0
14	MIP_NL__OPNPDE20110812_204155_000043703105_00273_49425_9424.N1	12AUG2011 20:41:55	12AUG2011 21:54:45	0	0	0	0	0
15	MIP_NL__OPNPDE20110812_215345_000061593105_00273_49425_9425.N1	12AUG2011 21:53:45	12AUG2011 23:36:23	0	0	0	0	0
16	MIP_NL__OPNPDE20110812_233525_000060273105_00274_49426_9426.N1	12AUG2011 23:35:25	13AUG2011 01:15:51	0	0	0	0	0

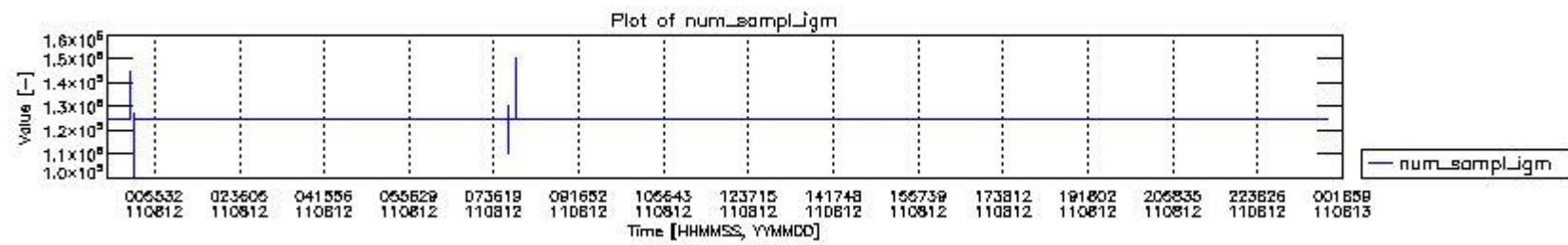
0.2 Instrument Operational Performance Parameters

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.

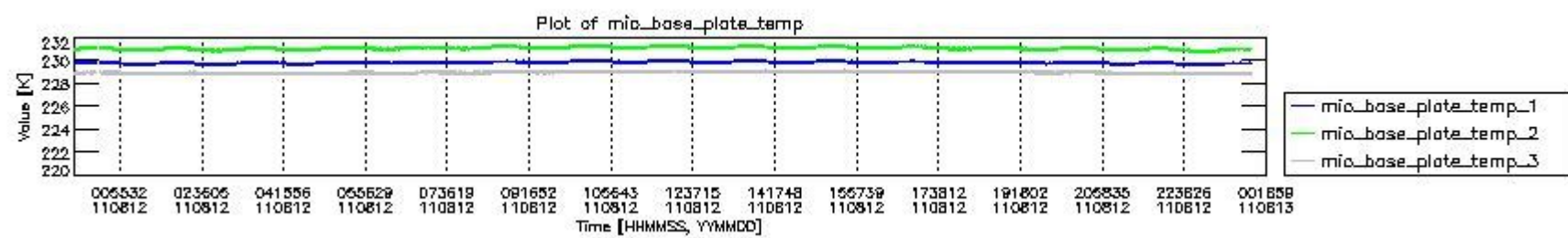
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100557	1	0.0024113236

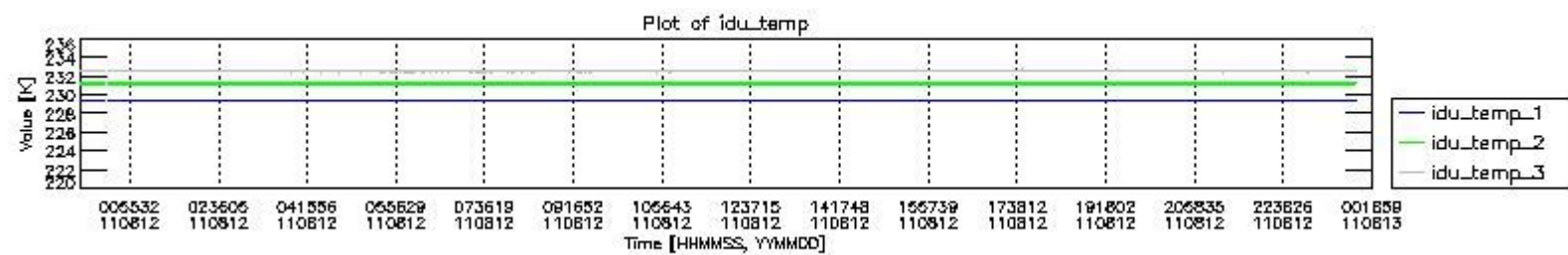
110581	1	0.0024113236
116494	1	0.0024113236
124800	39083	94.241759
124803	2376	5.7293048
124929	1	0.0024113236
125809	1	0.0024113236
126818	1	0.0024113236
127456	1	0.0024113236
130713	1	0.0024113236
145061	1	0.0024113236
145190	1	0.0024113236
147588	1	0.0024113236
150244	1	0.0024113236



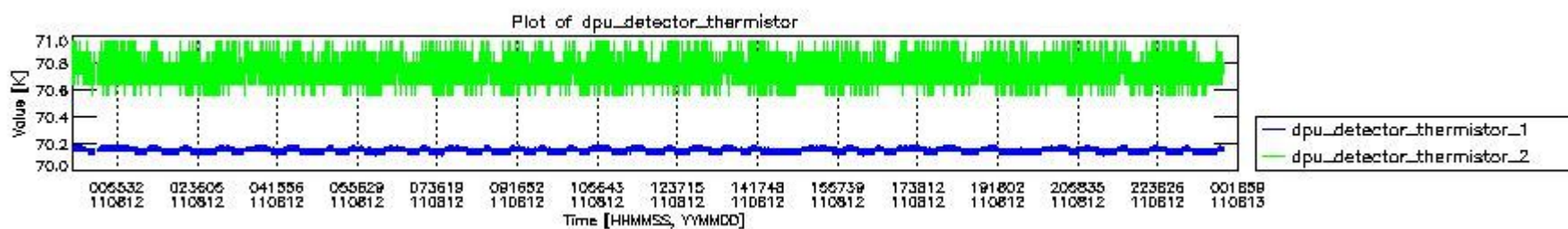
mipas_daily_report_level0_KSPT_L0_4504_N_20110812_0.PNG



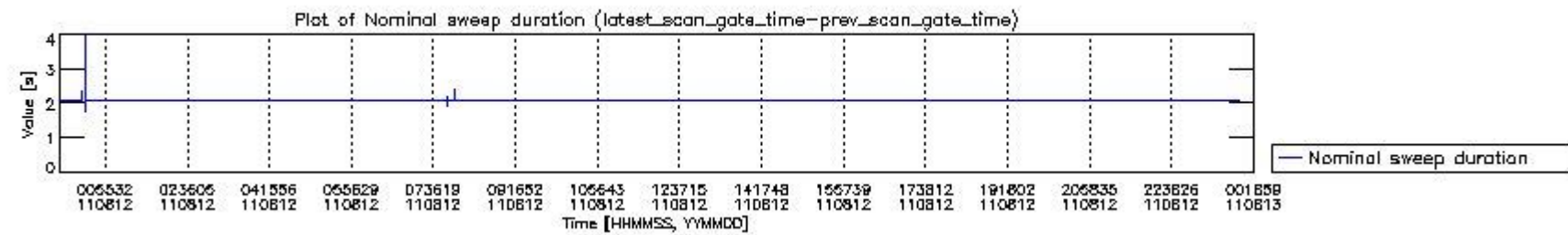
mipas_daily_report_level0_KSPT_L0_4504_N_20110812_1.PNG



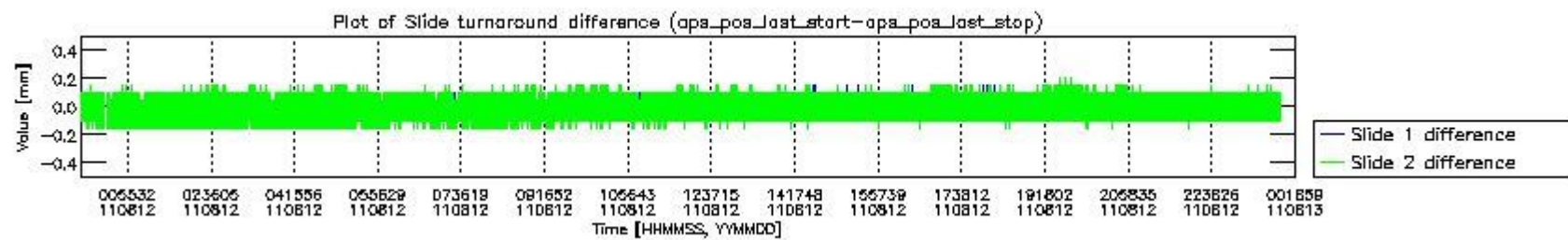
mipas_daily_report_level0_KSPT_L0_4504_N_20110812_2.PNG



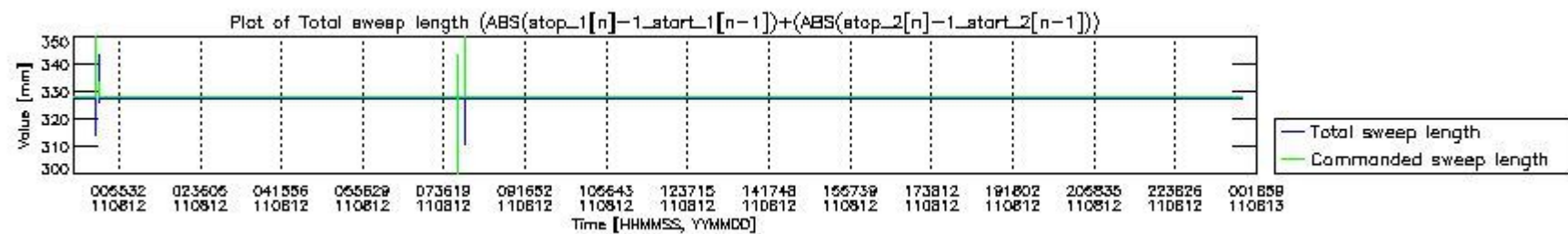
mipas_daily_report_level0_KSPT_L0_4504_N_20110812_3.PNG



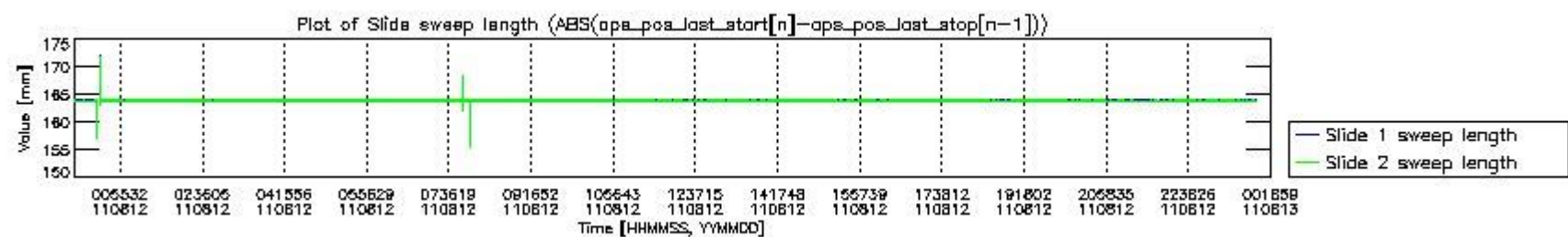
mipas_daily_report_level0_KSPT_L0_4504_N_20110812_4.PNG



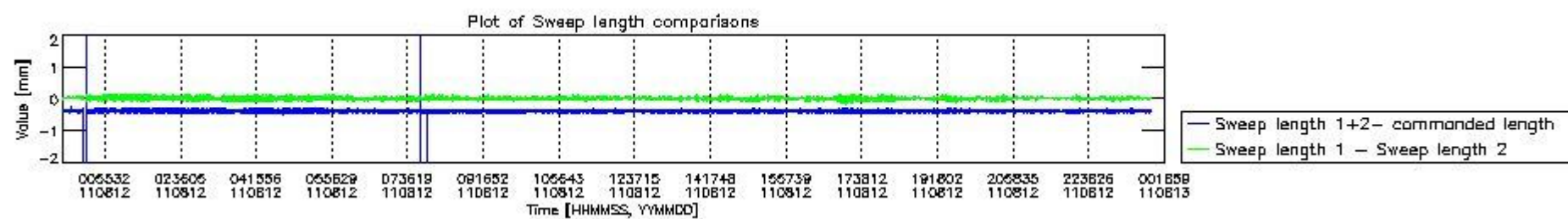
mipas_daily_report_level0_KSPT_L0_4504_N_20110812_5.PNG



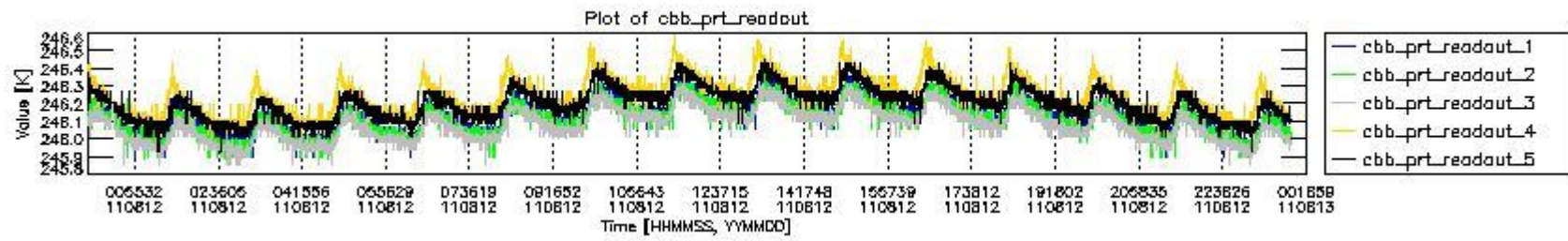
mipas_daily_report_level0_KSPT_L0_4504_N_20110812_6.PNG



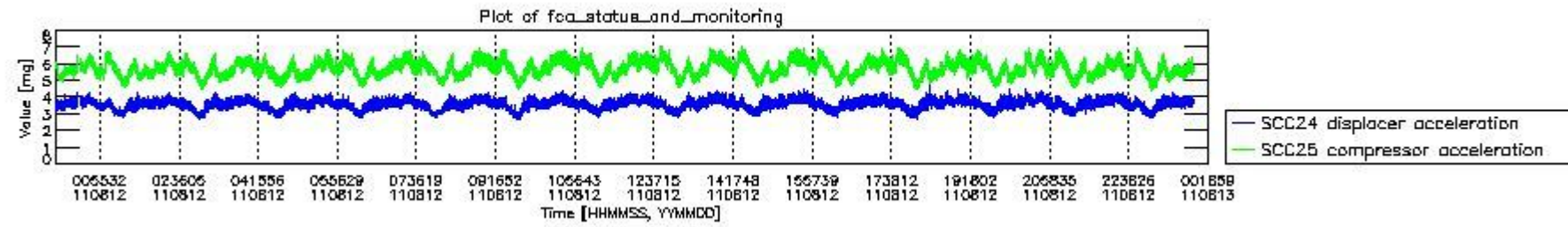
mipas_daily_report_level0_KSPT_L0_4504_N_20110812_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110812_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110812_9.PNG

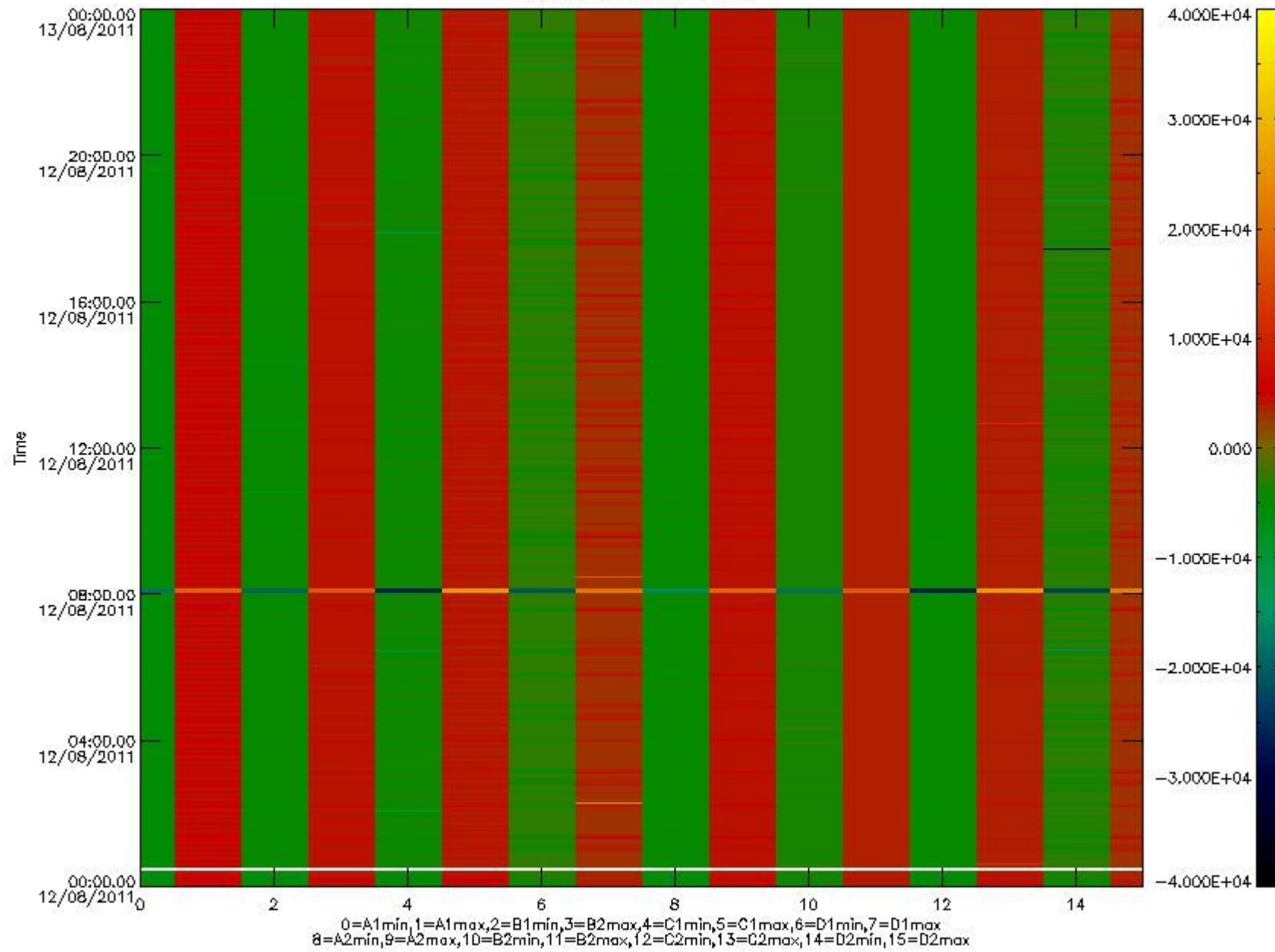


mipas_daily_report_level0_KSPT_L0_4504_N_20110812_10.PNG

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

Channel	Min	Max	ADC
A1	-18345	19447	16bit
B1	-20862	17950	16bit
C1	-26266	26109	16bit
D1	-22203	32767	16bit
A2	-15903	19646	16bit
B2	-19131	18753	16bit
C2	-27290	26877	16bit
D2	-32768	24254	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110812_11.PNG

0.3 ADF monitoring

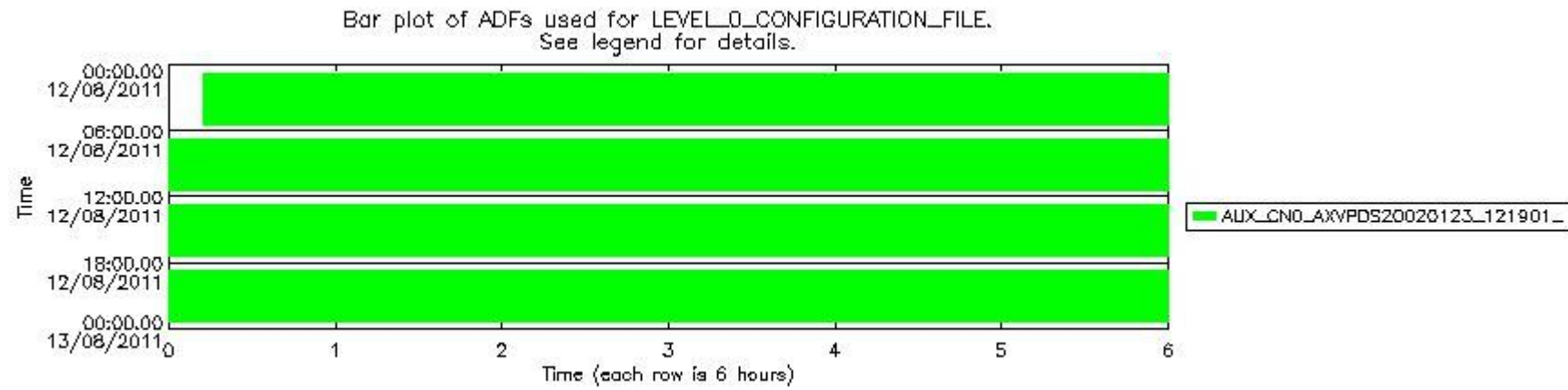
The use of ADFs is shown in two ways:

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.

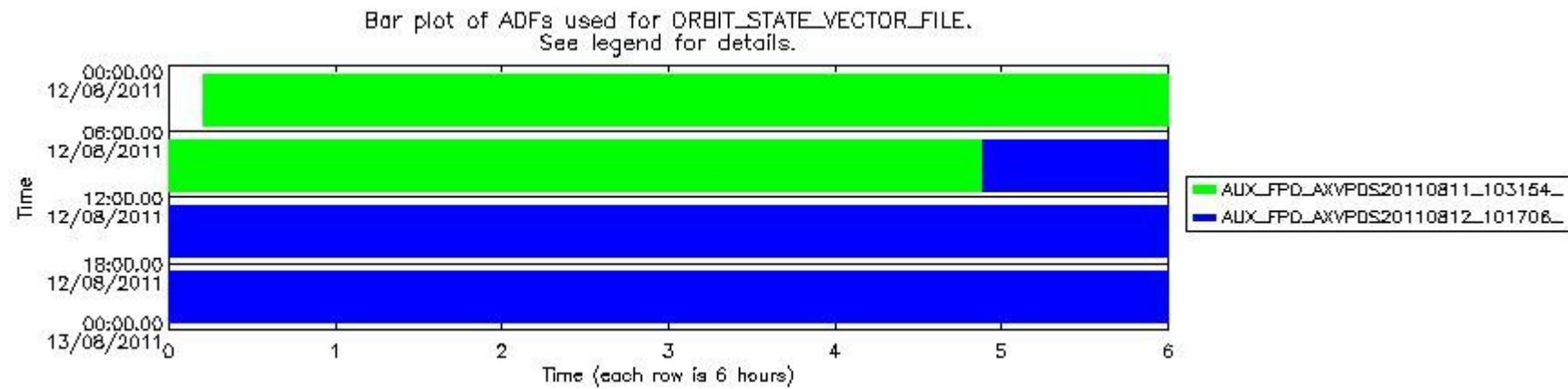
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110811_103154_20110810_195937_20110820_203310
2	AUX_FPO_AXVPDS20110812_101706_20110811_192253_20110821_213640

Number	Product name	#CN0	#FPO
--------	--------------	------	------

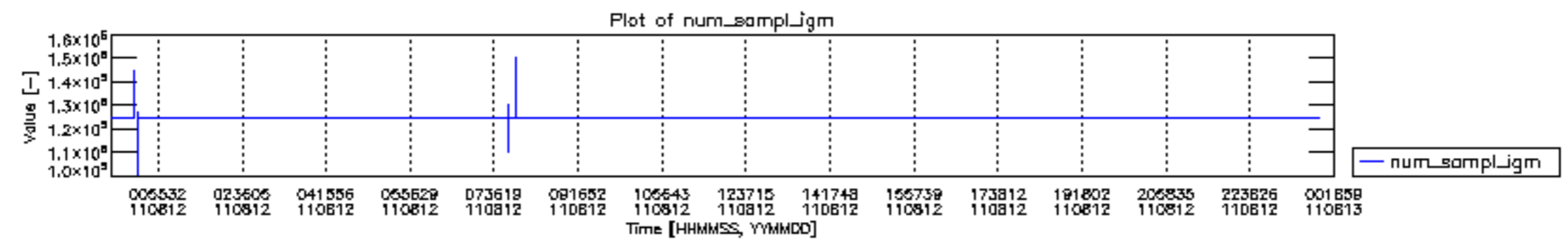
0	MIP_NL__0PNPDE20110812_001231_000058363105_00260_49412_9420.N1	0	1
1	MIP_NL__0PNPDE20110812_014845_000045423105_00261_49413_9421.N1	0	1
2	MIP_NL__0PNPDE20110812_030353_000060583105_00262_49414_9422.N1	0	1
3	MIP_NL__0PNPDE20110812_044415_000061153105_00263_49415_9423.N1	0	1
4	MIP_NL__0PNPDK20110812_062532_000040743105_00264_49416_6028.N1	0	1
5	MIP_NL__0PNPDK20110812_073253_000061113105_00265_49417_6029.N1	0	1
6	MIP_NL__0PNPDK20110812_091404_000060063105_00266_49418_6030.N1	0	1
7	MIP_NL__0PNPDK20110812_105330_000058973105_00267_49419_6031.N1	0	2
8	MIP_NL__0PNPDK20110812_123104_000060333105_00268_49420_6032.N1	0	2
9	MIP_NL__0PNPDK20110812_141103_000036063105_00269_49421_6033.N1	0	2
10	MIP_NL__0PNPDK20110812_151109_000022143105_00269_49421_6034.N1	0	2
11	MIP_NL__0PNPDK20110812_154720_000059253105_00270_49422_6035.N1	0	2
12	MIP_NL__0PNPDK20110812_172506_000059753105_00271_49423_6036.N1	0	2
13	MIP_NL__0PNPDK20110812_190342_000059913105_00272_49424_6037.N1	0	2
14	MIP_NL__0PNPDE20110812_204155_000043703105_00273_49425_9424.N1	0	2
15	MIP_NL__0PNPDE20110812_215345_000061593105_00273_49425_9425.N1	0	2
16	MIP_NL__0PNPDE20110812_233525_000060273105_00274_49426_9426.N1	0	2

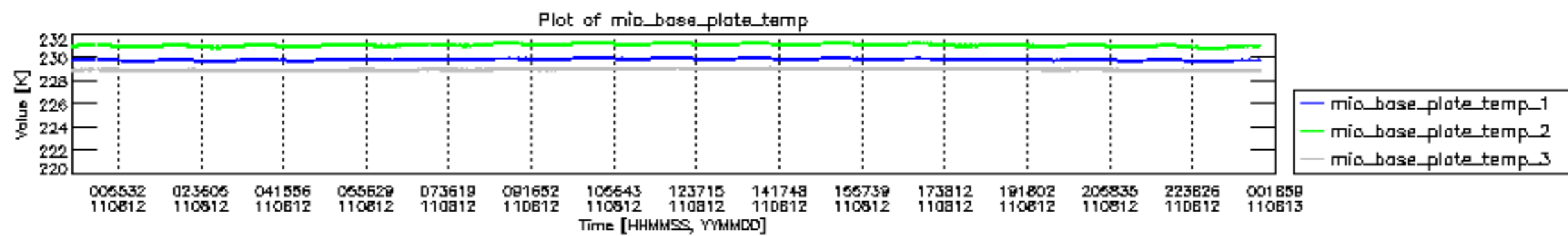


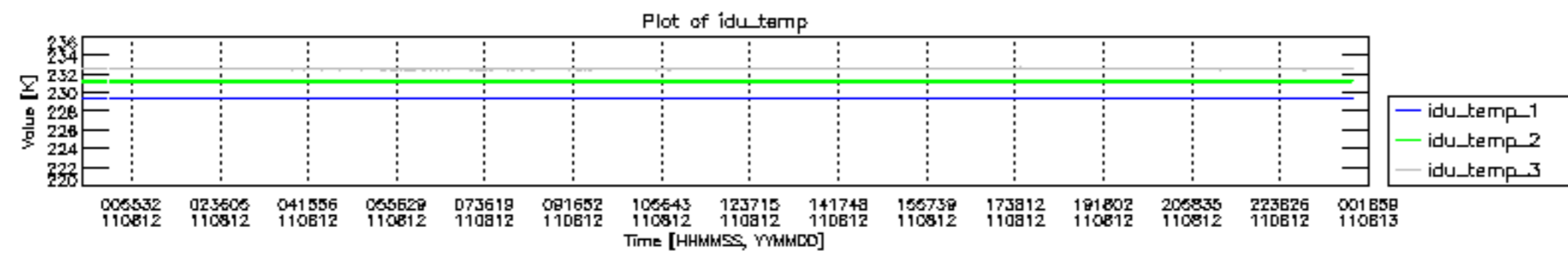
mipas_daily_report_level0_KSPT_L0_4504_N_20110812_12.PNG

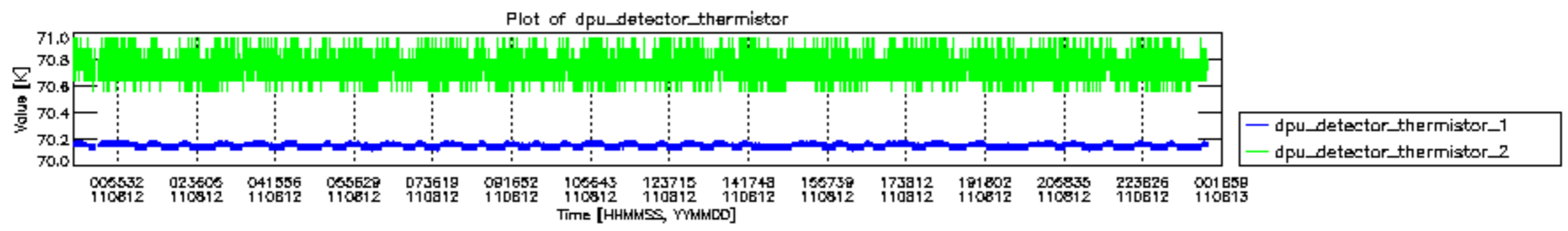


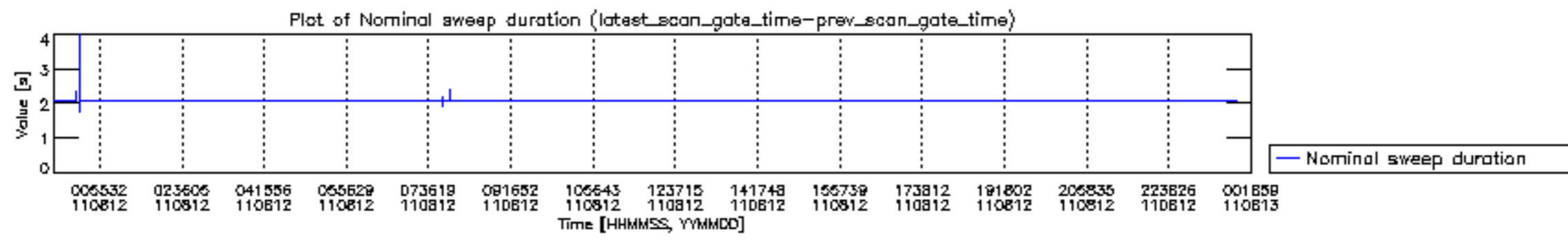
mipas_daily_report_level0_KSPT_L0_4504_N_20110812_13.PNG

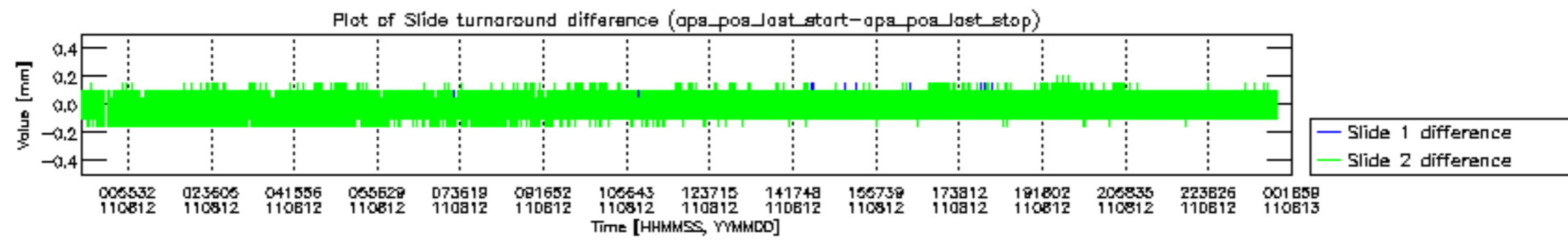


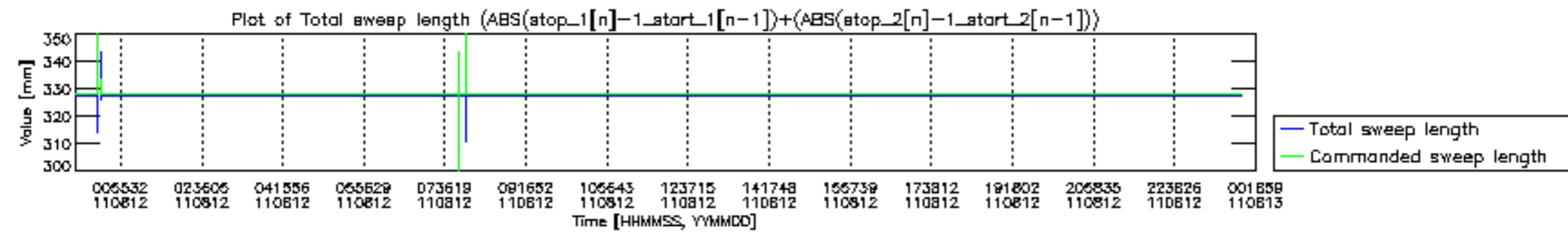


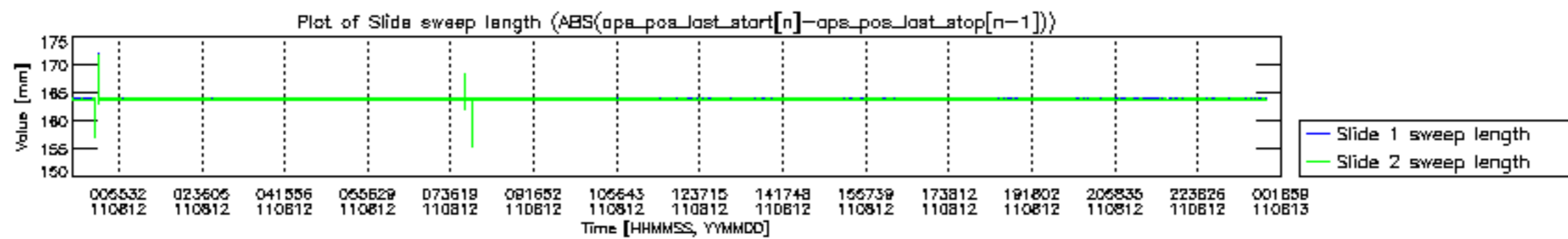


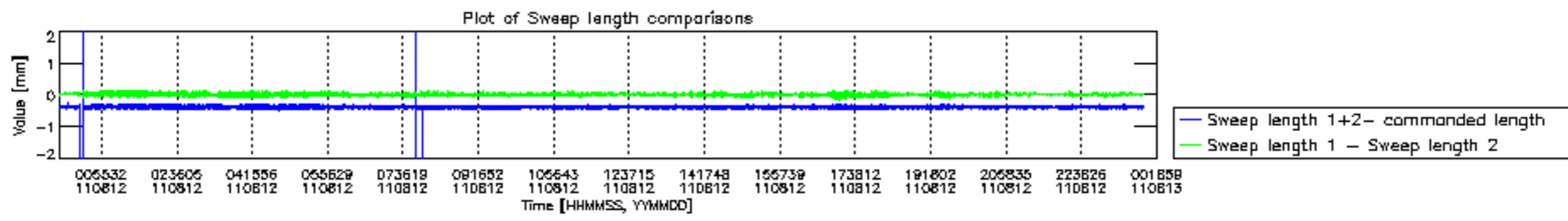


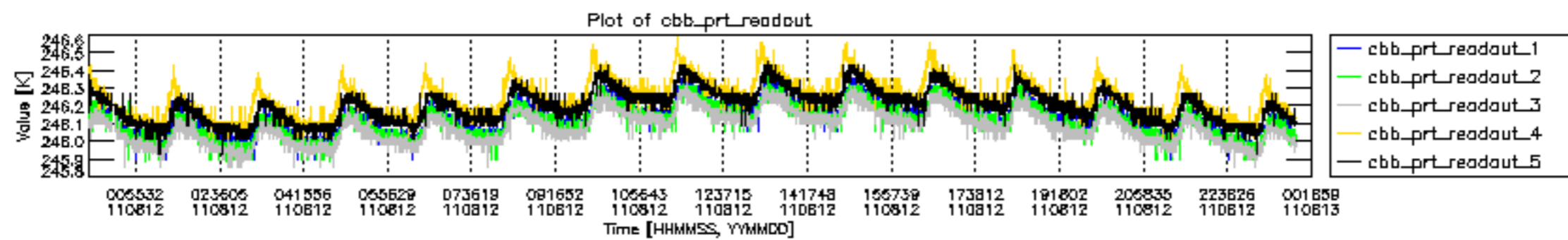


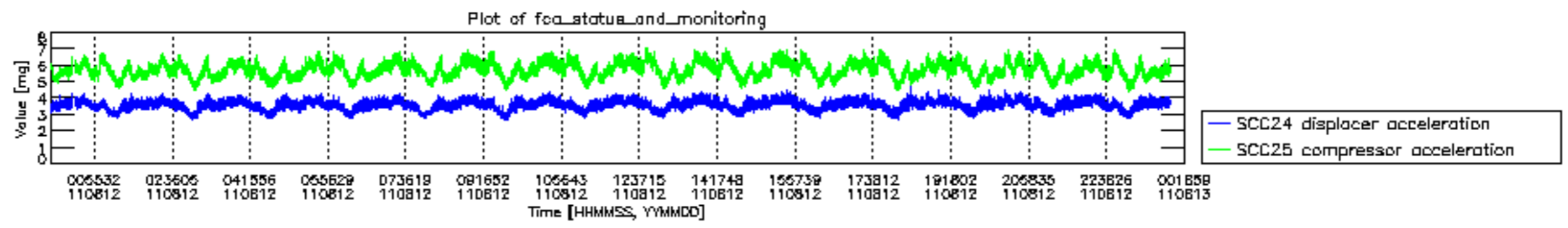












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

