

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	14MAY2011 05:22:53
Data source version	KSPT_L0/4504-N
Processing scope for products	09MAY2011 00:00:00 to 10MAY2011 00:00:00
Start time of first product within scope	09MAY2011 01:22:00
Stop time of last product within scope	10MAY2011 00:58:33
Total number of level 0 products	16
Number of level 0 products with errors	2

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__0PNPDE20110509_012200_000007483102_00189_48048_3602.N1	09MAY2011 01:22:00	09MAY2011 01:34:28	1	0	1	0	0
1	MIP_NL__0PNPDE20110509_013329_000043543102_00189_48048_3603.N1	09MAY2011 01:33:29	09MAY2011 02:46:03	0	0	0	0	0
2	MIP_NL__0PNPDE20110509_024530_000061383102_00190_48049_3604.N1	09MAY2011 02:45:30	09MAY2011 04:27:47	0	0	0	0	0
3	MIP_NL__0PNPDE20110509_042714_000060313102_00191_48050_3605.N1	09MAY2011 04:27:14	09MAY2011 06:07:45	0	0	0	0	0
4	MIP_NL__0PNPDK20110509_071119_000006943102_00193_48052_5150.N1	09MAY2011 07:11:19	09MAY2011 07:22:53	1	1	1	0	0
5	MIP_NL__0PNPDK20110509_071452_000061163102_00193_48052_5154.N1	09MAY2011 07:14:52	09MAY2011 08:56:48	0	0	0	0	0
6	MIP_NL__0PNPDK20110509_085607_000059453102_00194_48053_5155.N1	09MAY2011 08:56:07	09MAY2011 10:35:12	0	0	0	0	0
7	MIP_NL__0PNPDK20110509_103428_000060183102_00195_48054_5156.N1	09MAY2011 10:34:28	09MAY2011 12:14:46	0	0	0	0	0
8	MIP_NL__0PNPDK20110509_121413_000059203102_00196_48055_5157.N1	09MAY2011 12:14:13	09MAY2011 13:52:53	0	0	0	0	0
9	MIP_NL__0PNPDK20110509_135220_000059583102_00197_48056_5158.N1	09MAY2011 13:52:20	09MAY2011 15:31:38	0	0	0	0	0
10	MIP_NL__0PNPDK20110509_153106_000058353102_00198_48057_5159.N1	09MAY2011 15:31:06	09MAY2011 17:08:21	0	0	0	0	0
11	MIP_NL__0PNPDK20110509_170723_000058993102_00199_48058_5160.N1	09MAY2011 17:07:23	09MAY2011 18:45:42	0	0	0	0	0
12	MIP_NL__0PNPDK20110509_184446_000059793102_00200_48059_5162.N1	09MAY2011 18:44:46	09MAY2011 20:24:24	0	0	0	0	0
13	MIP_NL__0PNPDE20110509_202248_000043563102_00201_48060_8725.N1	09MAY2011 20:22:48	09MAY2011 21:35:24	0	0	0	0	0
14	MIP_NL__0PNPDE20110509_213417_000062113102_00201_48060_8726.N1	09MAY2011 21:34:17	09MAY2011 23:17:48	0	0	0	0	0
15	MIP_NL__0PNPDE20110509_231643_000061103102_00202_48061_8727.N1	09MAY2011 23:16:43	10MAY2011 00:58:33	0	0	0	0	0

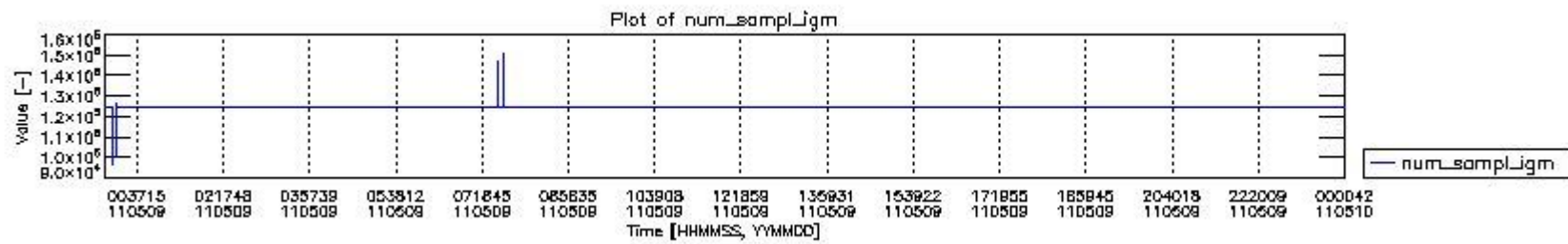
0.2 Instrument Operational Performance Parameters

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.

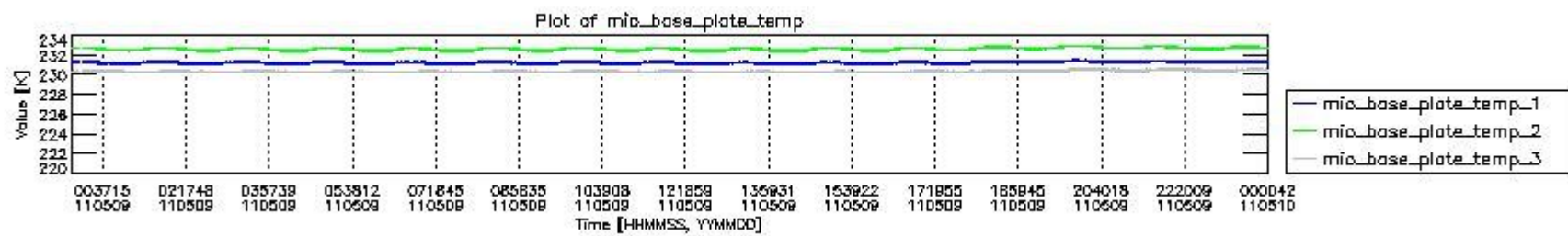
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
96720	1	0.0024157507
100409	1	0.0024157507

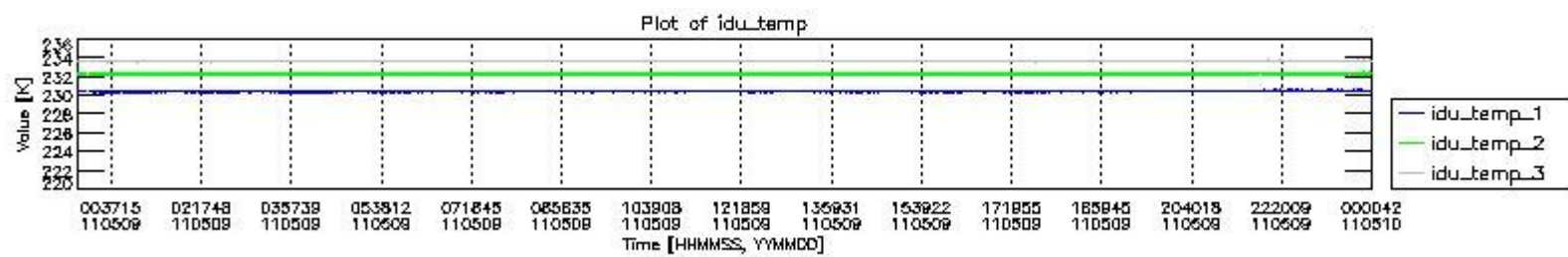
100694	1	0.0024157507
120826	1	0.0024157507
124800	38622	93.301123
124803	2761	6.6698877
125661	1	0.0024157507
125672	1	0.0024157507
126522	1	0.0024157507
127754	1	0.0024157507
145804	1	0.0024157507
146676	1	0.0024157507
147886	1	0.0024157507
150840	1	0.0024157507



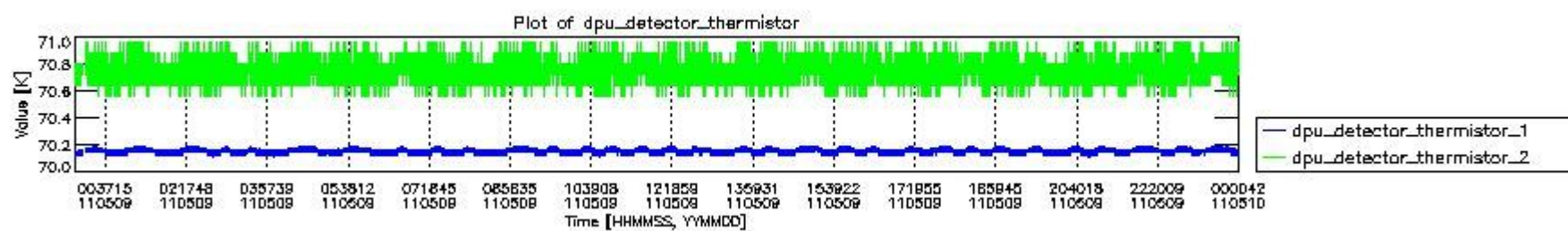
mipas_daily_report_level0_KSPT_L0_4504_N_20110509_0.PNG



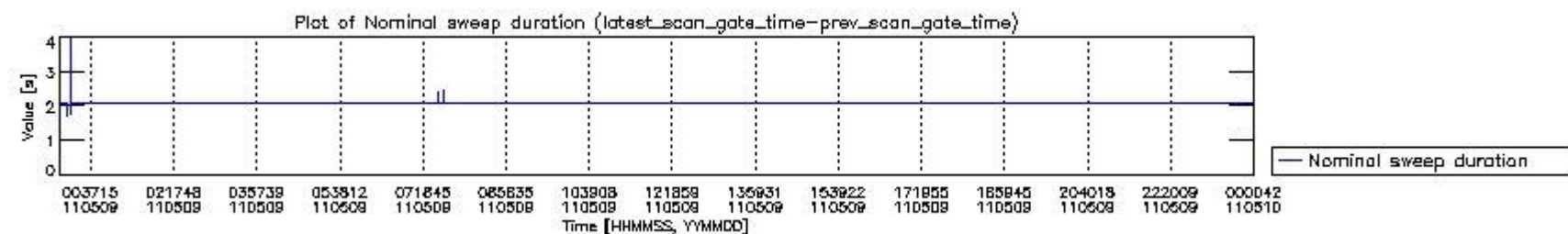
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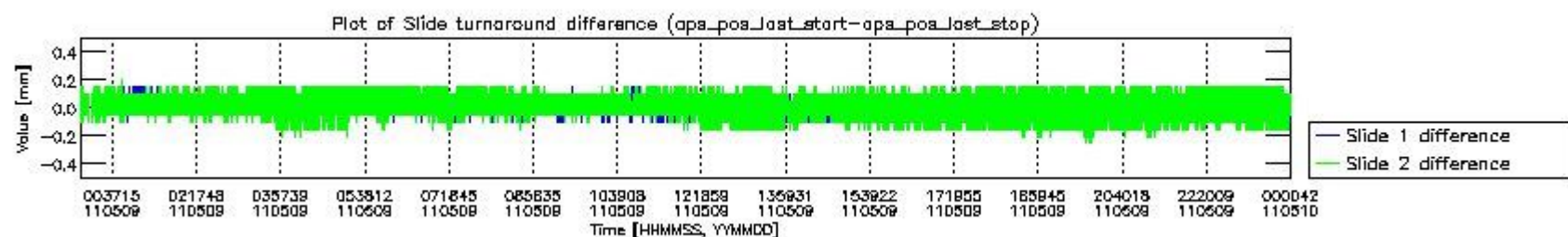
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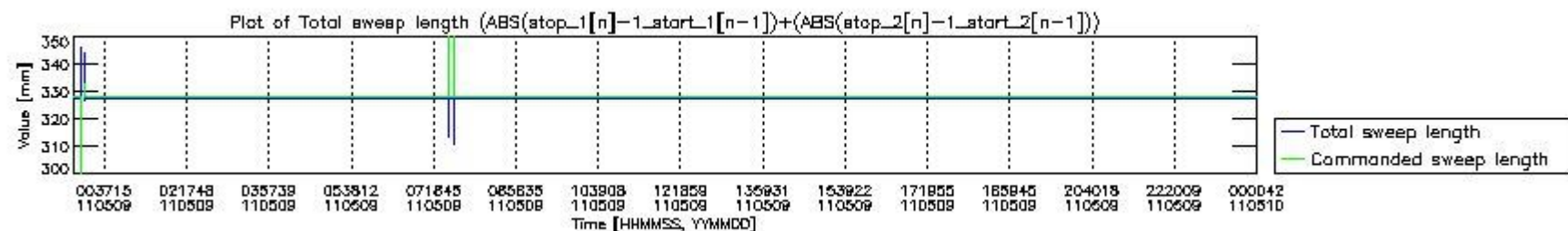
mipas_daily_report_level0_KSPT_L0_4504_N_20110509_3.PNG



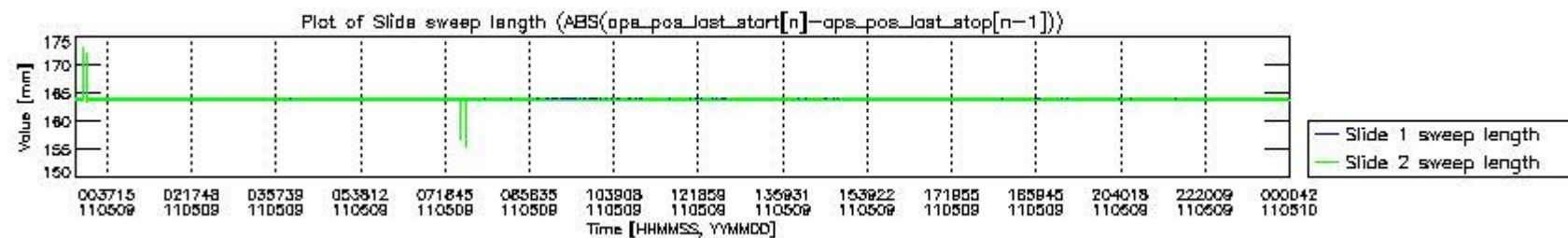
mipas_daily_report_level0_KSPT_L0_4504_N_20110509_4.PNG



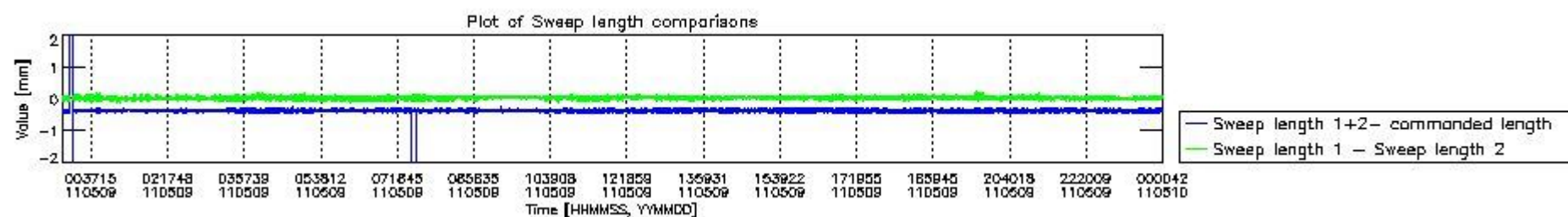
mipas_daily_report_level0_KSPT_L0_4504_N_20110509_5.PNG



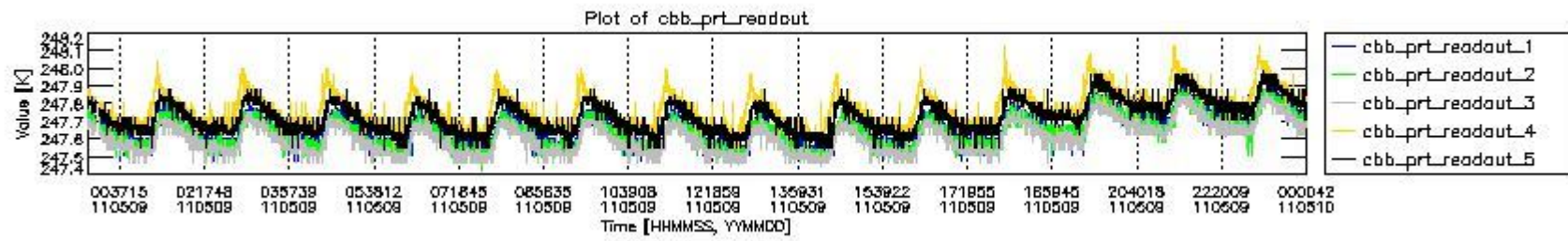
mipas_daily_report_level0_KSPT_L0_4504_N_20110509_6.PNG



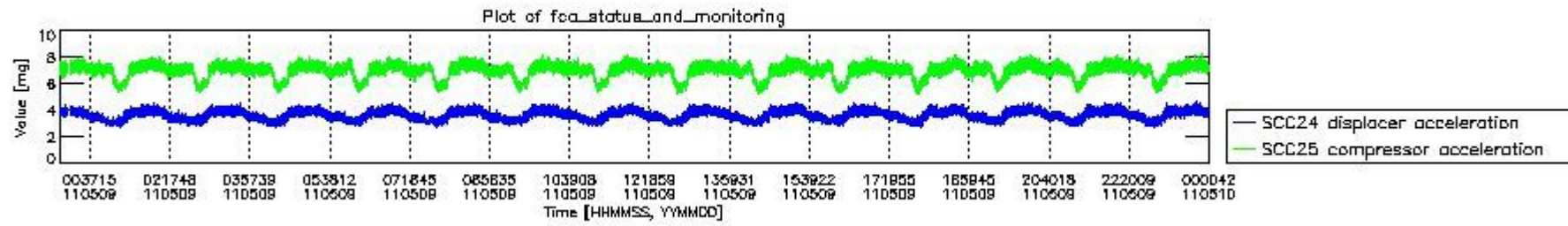
mipas_daily_report_level0_KSPT_L0_4504_N_20110509_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110509_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110509_9.PNG

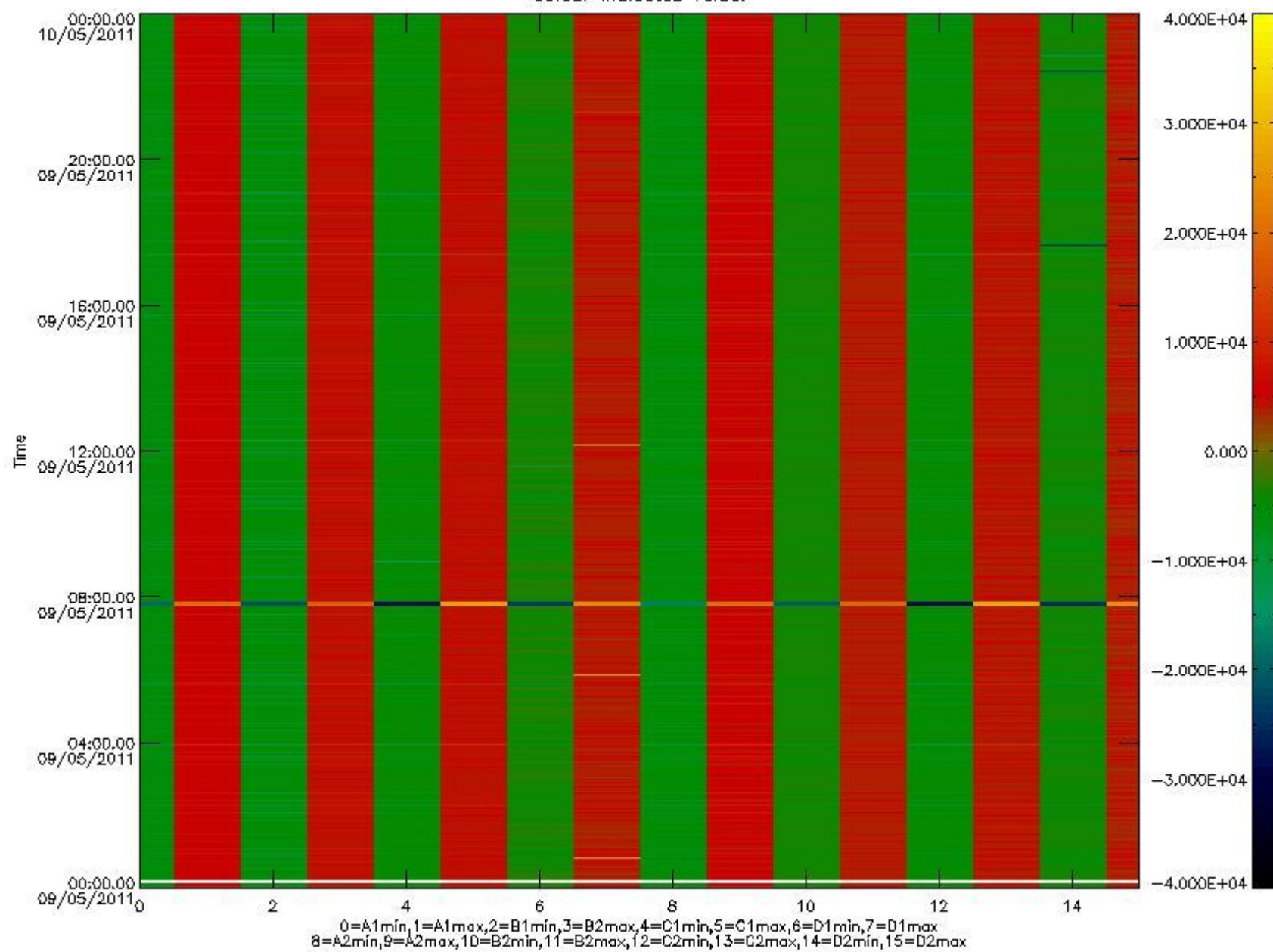


mipas_daily_report_level0_KSPT_L0_4504_N_20110509_10.PNG

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

Channel	Min	Max	ADC
A1	-19231	20708	16bit
B1	-22467	18941	16bit
C1	-27723	27652	16bit
D1	-23847	32767	16bit
A2	-16554	20860	16bit
B2	-20837	20041	16bit
C2	-28767	28440	16bit
D2	-32768	26017	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110509_11.PNG

0.3 ADF monitoring

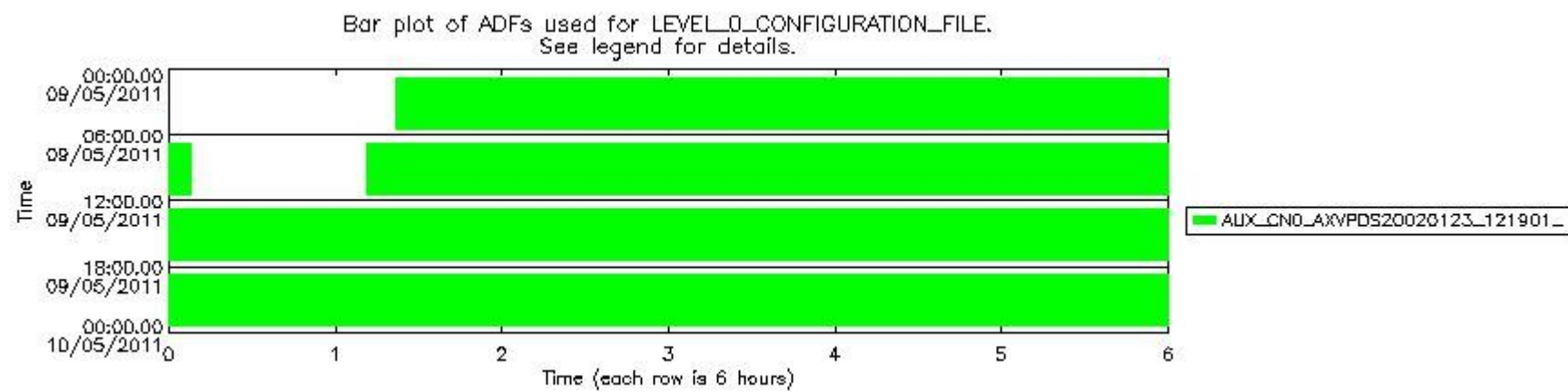
The use of ADFs is shown in two ways:

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.

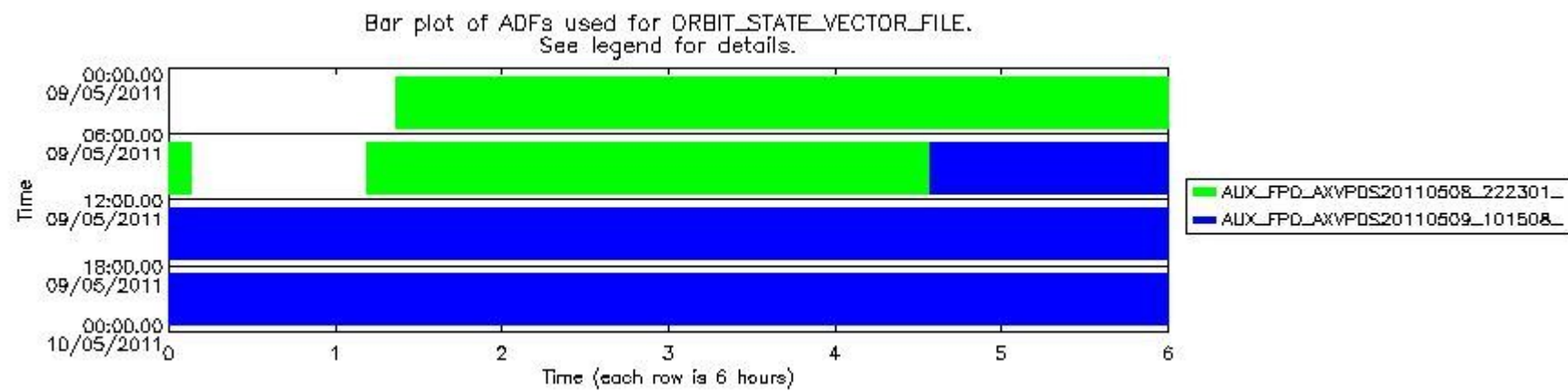
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110508_222301_20110507_194130_20110517_201505
2	AUX_FPO_AXVPDS20110509_101508_20110508_190446_20110518_211835

Number	Product name	#CN0	#FPO
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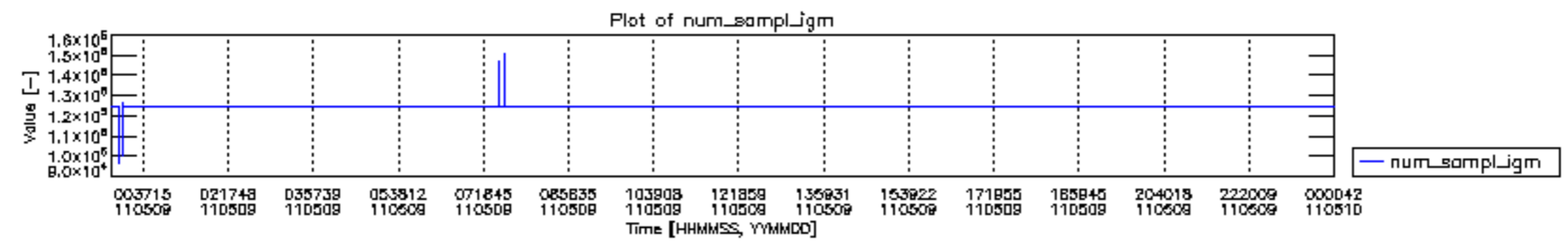
0	MIP_NL__0PNPDE20110509_012200_000007483102_00189_48048_3602.N1	0	1
1	MIP_NL__0PNPDE20110509_013329_000043543102_00189_48048_3603.N1	0	1
2	MIP_NL__0PNPDE20110509_024530_000061383102_00190_48049_3604.N1	0	1
3	MIP_NL__0PNPDE20110509_042714_000060313102_00191_48050_3605.N1	0	1
4	MIP_NL__0PNPDK20110509_071119_000006943102_00193_48052_5150.N1	0	1
5	MIP_NL__0PNPDK20110509_071452_000061163102_00193_48052_5154.N1	0	1
6	MIP_NL__0PNPDK20110509_085607_000059453102_00194_48053_5155.N1	0	1
7	MIP_NL__0PNPDK20110509_103428_000060183102_00195_48054_5156.N1	0	2
8	MIP_NL__0PNPDK20110509_121413_000059203102_00196_48055_5157.N1	0	2
9	MIP_NL__0PNPDK20110509_135220_000059583102_00197_48056_5158.N1	0	2
10	MIP_NL__0PNPDK20110509_153106_000058353102_00198_48057_5159.N1	0	2
11	MIP_NL__0PNPDK20110509_170723_000058993102_00199_48058_5160.N1	0	2
12	MIP_NL__0PNPDK20110509_184446_000059793102_00200_48059_5162.N1	0	2
13	MIP_NL__0PNPDE20110509_202248_000043563102_00201_48060_8725.N1	0	2
14	MIP_NL__0PNPDE20110509_213417_000062113102_00201_48060_8726.N1	0	2
15	MIP_NL__0PNPDE20110509_231643_000061103102_00202_48061_8727.N1	0	2

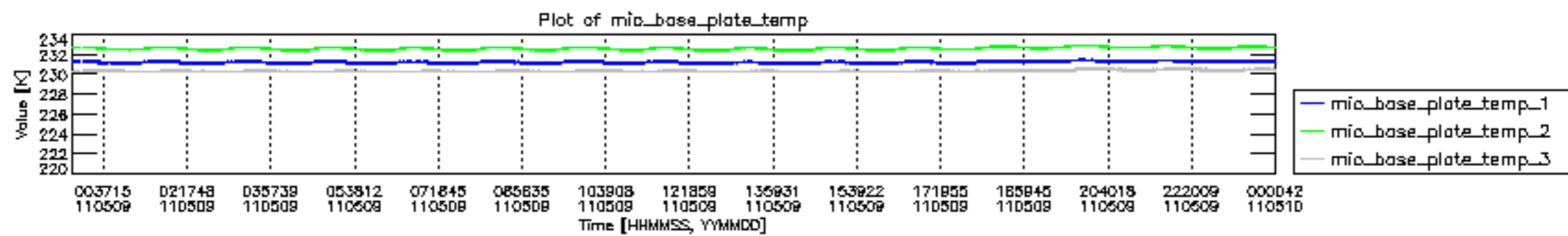


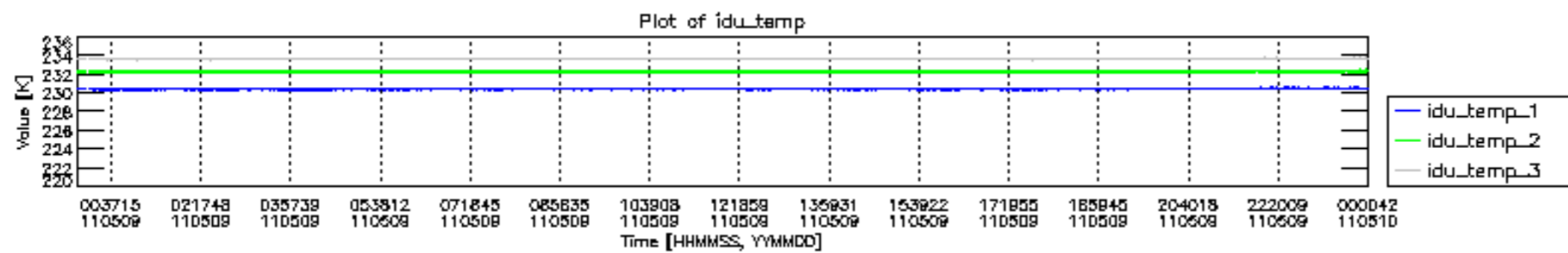
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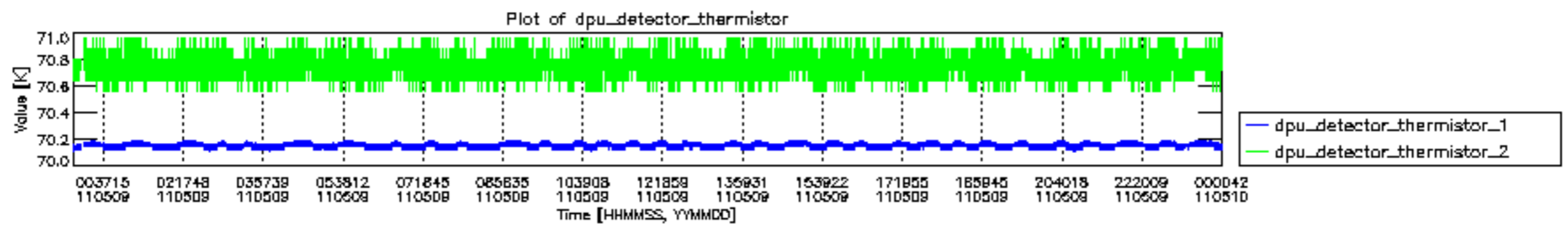


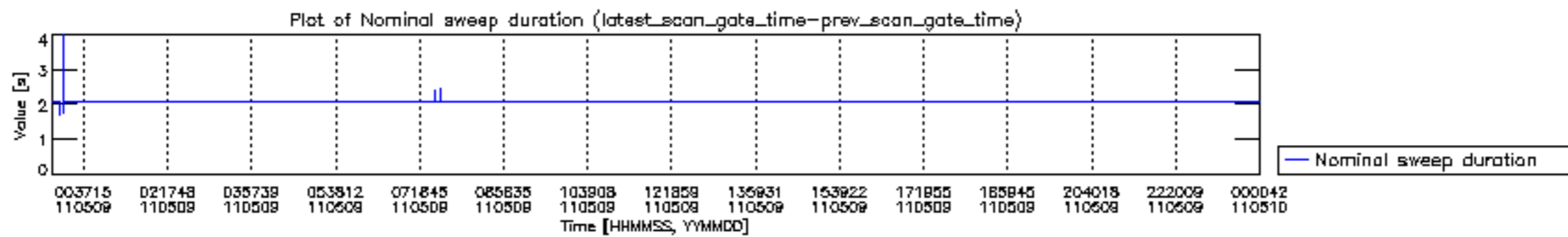
mipas_daily_report_level0_KSPT_L0_4504_N_20110509_13.PNG

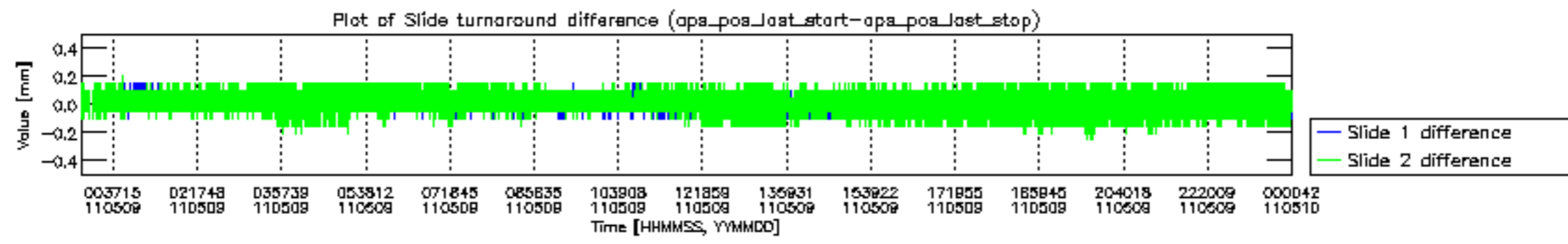


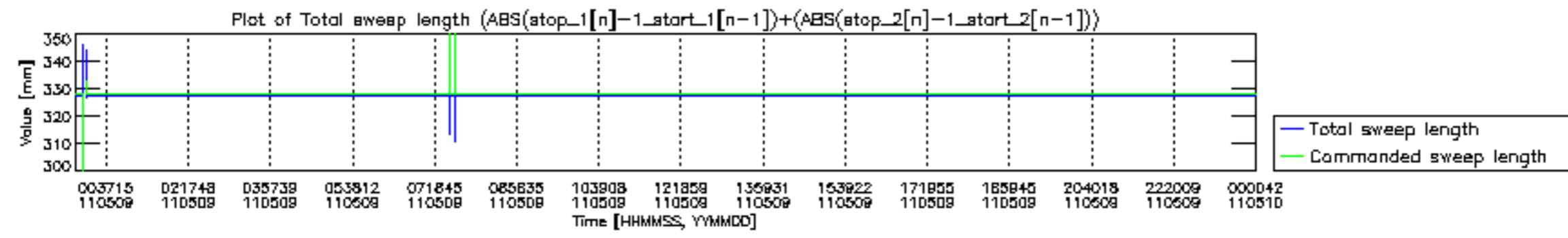


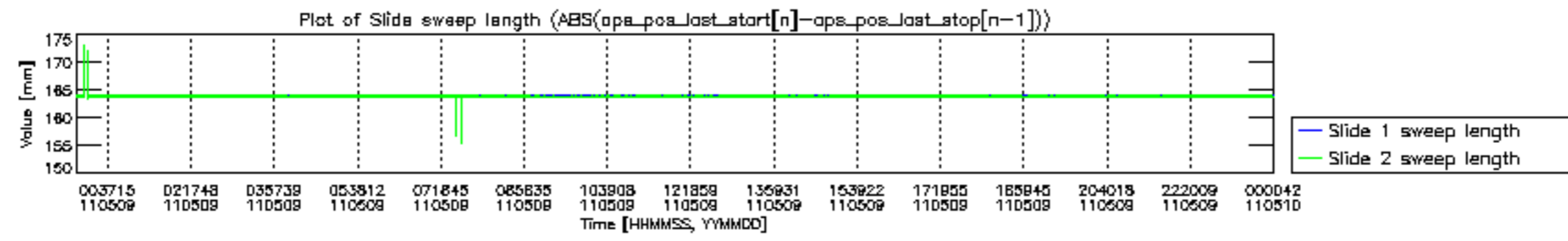


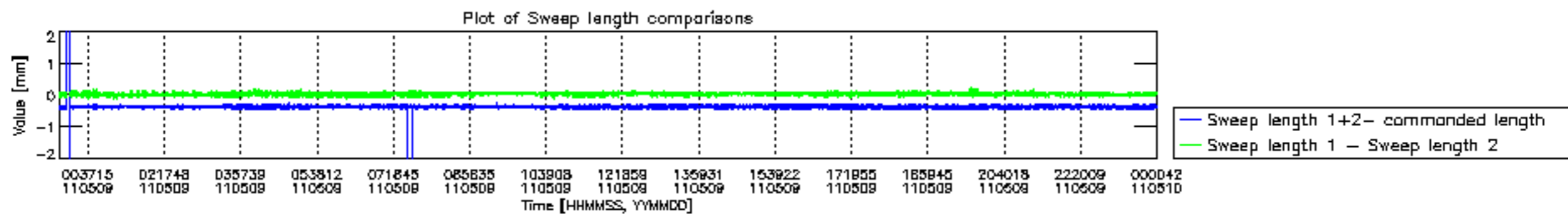


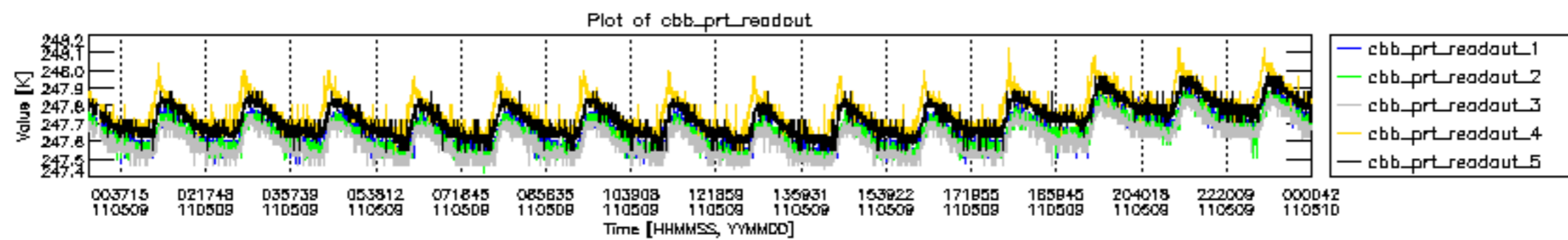


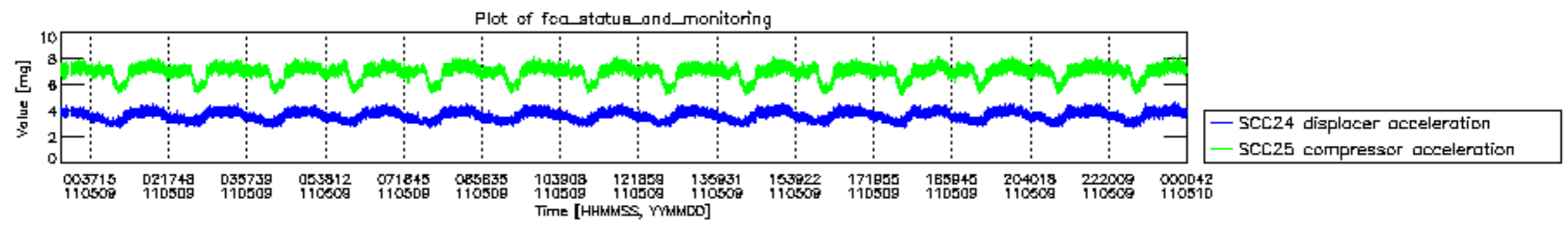












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

