

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	15MAR2011 05:22:49
Data source version	KSPT_L0/4504-N
Processing scope for products	10MAR2011 00:00:00 to 11MAR2011 00:00:00
Start time of first product within scope	10MAR2011 01:30:35
Stop time of last product within scope	11MAR2011 00:58:31
Total number of level 0 products	15
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__0PNPDE20110310_013035_000044393100_00189_47186_3076.N1	10MAR2011 01:30:35	10MAR2011 02:44:34	0	0	0	0	0
1	MIP_NL__0PNPDE20110310_024401_000061833100_00190_47187_3077.N1	10MAR2011 02:44:01	10MAR2011 04:27:04	0	0	0	0	0
2	MIP_NL__0PNPDE20110310_042633_000060293100_00191_47188_3078.N1	10MAR2011 04:26:33	10MAR2011 06:07:02	0	0	0	0	0
3	MIP_NL__0PNPDK20110310_060628_000041243100_00192_47189_4520.N1	10MAR2011 06:06:28	10MAR2011 07:15:13	0	0	0	0	0
4	MIP_NL__0PNPDK20110310_071439_000060503100_00193_47190_4521.N1	10MAR2011 07:14:39	10MAR2011 08:55:29	0	0	0	0	0
5	MIP_NL__0PNPDK20110310_085453_000059793100_00194_47191_4523.N1	10MAR2011 08:54:53	10MAR2011 10:34:32	0	0	0	0	0
6	MIP_NL__0PNPDK20110310_103340_000060623100_00195_47192_4524.N1	10MAR2011 10:33:40	10MAR2011 12:14:42	0	0	0	0	0
7	MIP_NL__0PNPDK20110310_121402_000058263100_00196_47193_4525.N1	10MAR2011 12:14:02	10MAR2011 13:51:08	0	0	0	0	0
8	MIP_NL__0PNPDK20110310_135012_000060313100_00197_47194_4526.N1	10MAR2011 13:50:12	10MAR2011 15:30:43	0	0	0	0	0
9	MIP_NL__0PNPDK20110310_152907_000059523100_00198_47195_4527.N1	10MAR2011 15:29:07	10MAR2011 17:08:19	0	0	0	0	0
10	MIP_NL__0PNPDK20110310_170720_000058513100_00199_47196_4528.N1	10MAR2011 17:07:20	10MAR2011 18:44:51	0	0	0	0	0
11	MIP_NL__0PNPDK20110310_184410_000059313100_00200_47197_4529.N1	10MAR2011 18:44:10	10MAR2011 20:23:00	0	0	0	0	0
12	MIP_NL__0PNPDE20110310_202147_000044003100_00201_47198_3079.N1	10MAR2011 20:21:47	10MAR2011 21:35:07	0	0	0	0	0
13	MIP_NL__0PNPDE20110310_213341_000061773100_00201_47198_3080.N1	10MAR2011 21:33:41	10MAR2011 23:16:38	0	0	0	0	0
14	MIP_NL__0PNPDE20110310_231538_000061733100_00202_47199_3081.N1	10MAR2011 23:15:38	11MAR2011 00:58:31	0	0	0	0	0

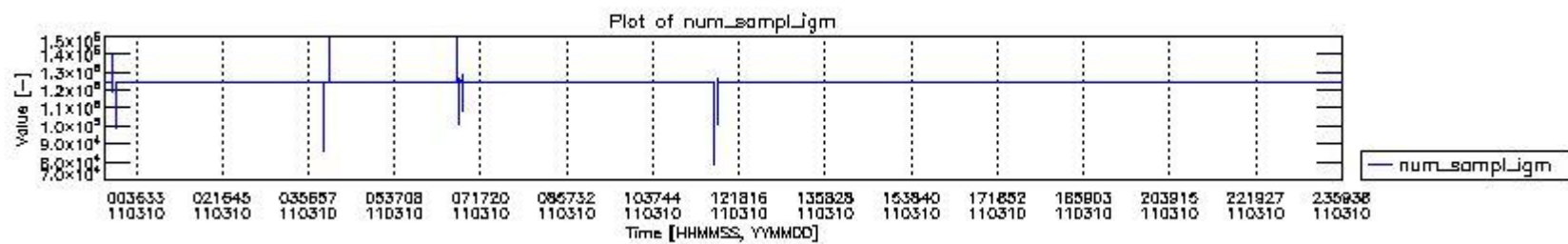
0.2 Instrument Operational Performance Parameters

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.

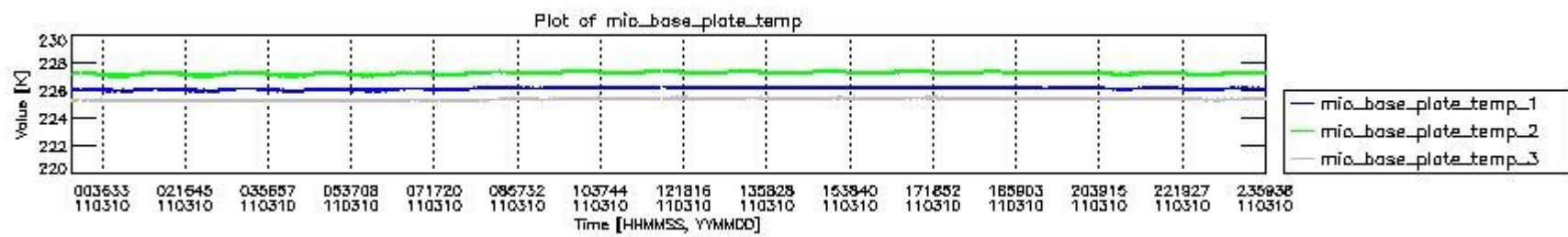
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
78878	1	0.0024268310
85716	1	0.0024268310
91773	1	0.0024268310

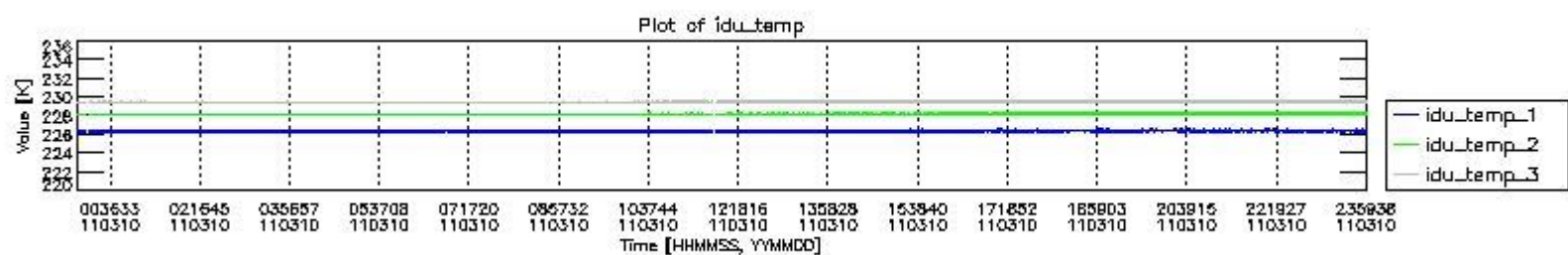
95192	1	0.0024268310
98699	1	0.0024268310
100409	1	0.0024268310
100483	1	0.0024268310
108351	1	0.0024268310
111905	1	0.0024268310
112034	1	0.0024268310
115324	1	0.0024268310
119204	1	0.0024268310
123102	1	0.0024268310
123951	1	0.0024268310
124800	38392	93.170897
124803	2787	6.7635781
125661	1	0.0024268310
125735	1	0.0024268310
126522	1	0.0024268310
126564	1	0.0024268310
126670	1	0.0024268310
126787	1	0.0024268310
128483	1	0.0024268310
133740	1	0.0024268310
139336	1	0.0024268310
146696	1	0.0024268310
146919	1	0.0024268310
148460	1	0.0024268310
148906	1	0.0024268310



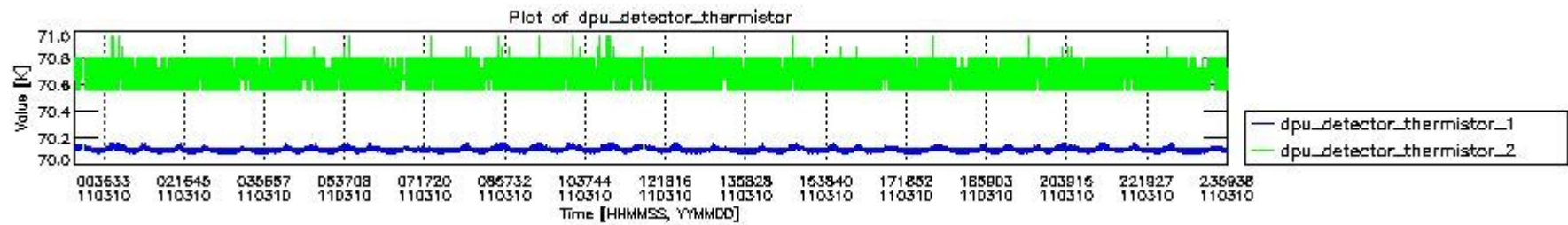
mipas_daily_report_level0_KSPT_L0_4504_N_20110310_0.PNG



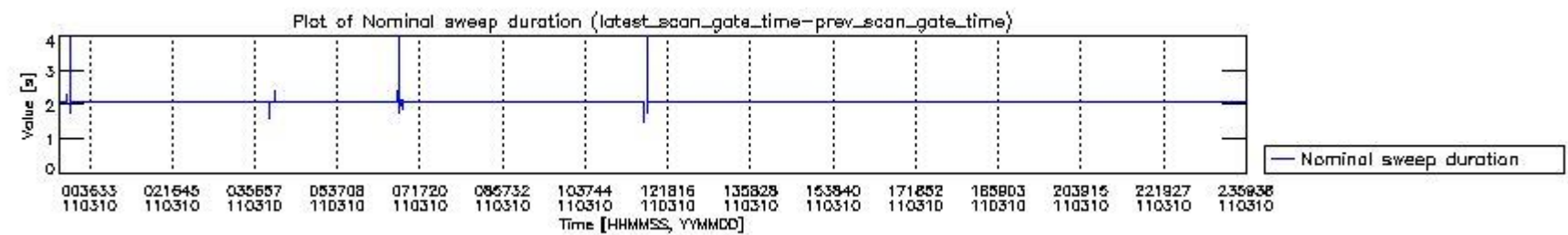
mipas_daily_report_level0_KSPT_L0_4504_N_20110310_1.PNG



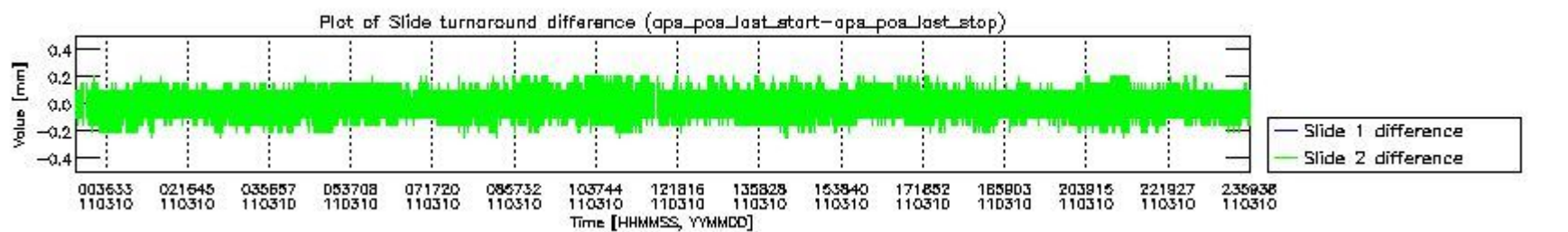
mipas_daily_report_level0_KSPT_L0_4504_N_20110310_2.PNG



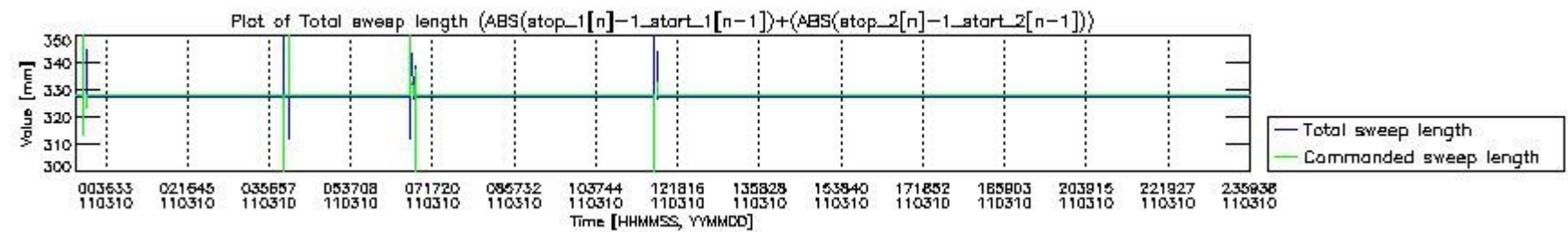
mipas_daily_report_level0_KSPT_L0_4504_N_20110310_3.PNG



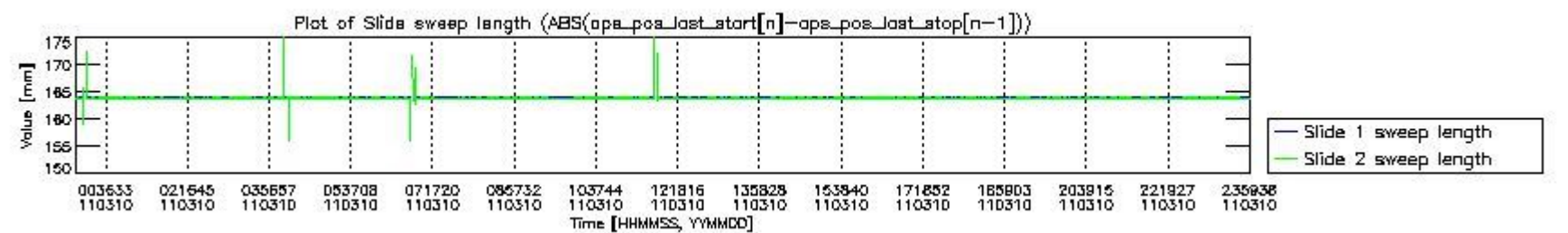
mipas_daily_report_level0_KSPT_L0_4504_N_20110310_4.PNG



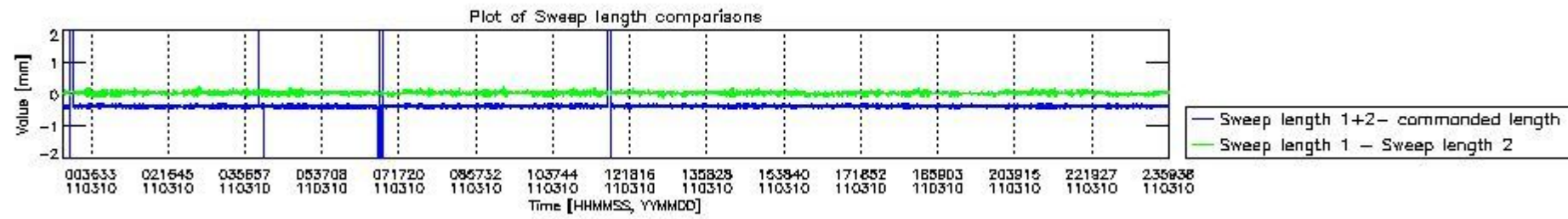
mipas_daily_report_level0_KSPT_L0_4504_N_20110310_5.PNG



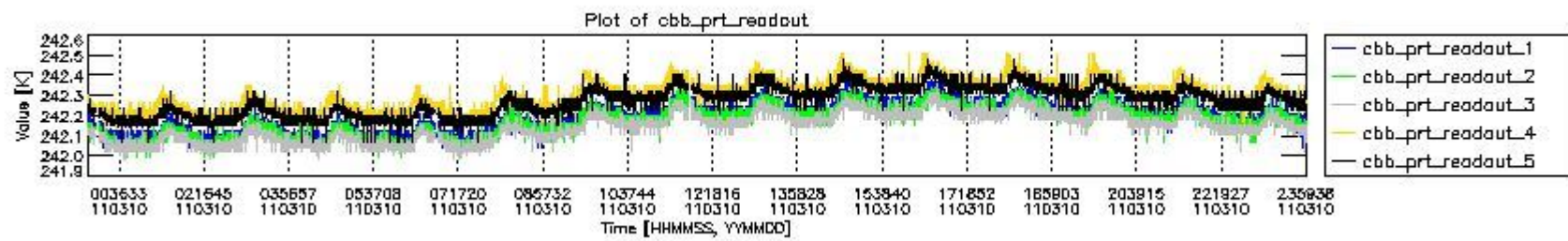
mipas_daily_report_level0_KSPT_L0_4504_N_20110310_6.PNG



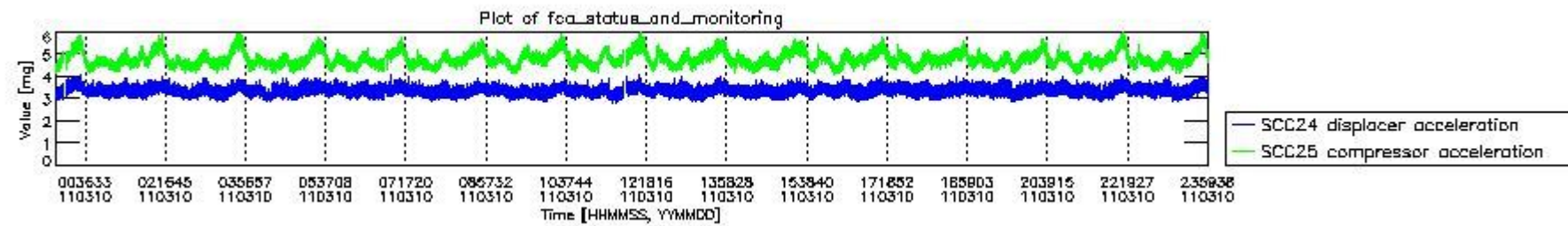
mipas_daily_report_level0_KSPT_L0_4504_N_20110310_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110310_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110310_9.PNG

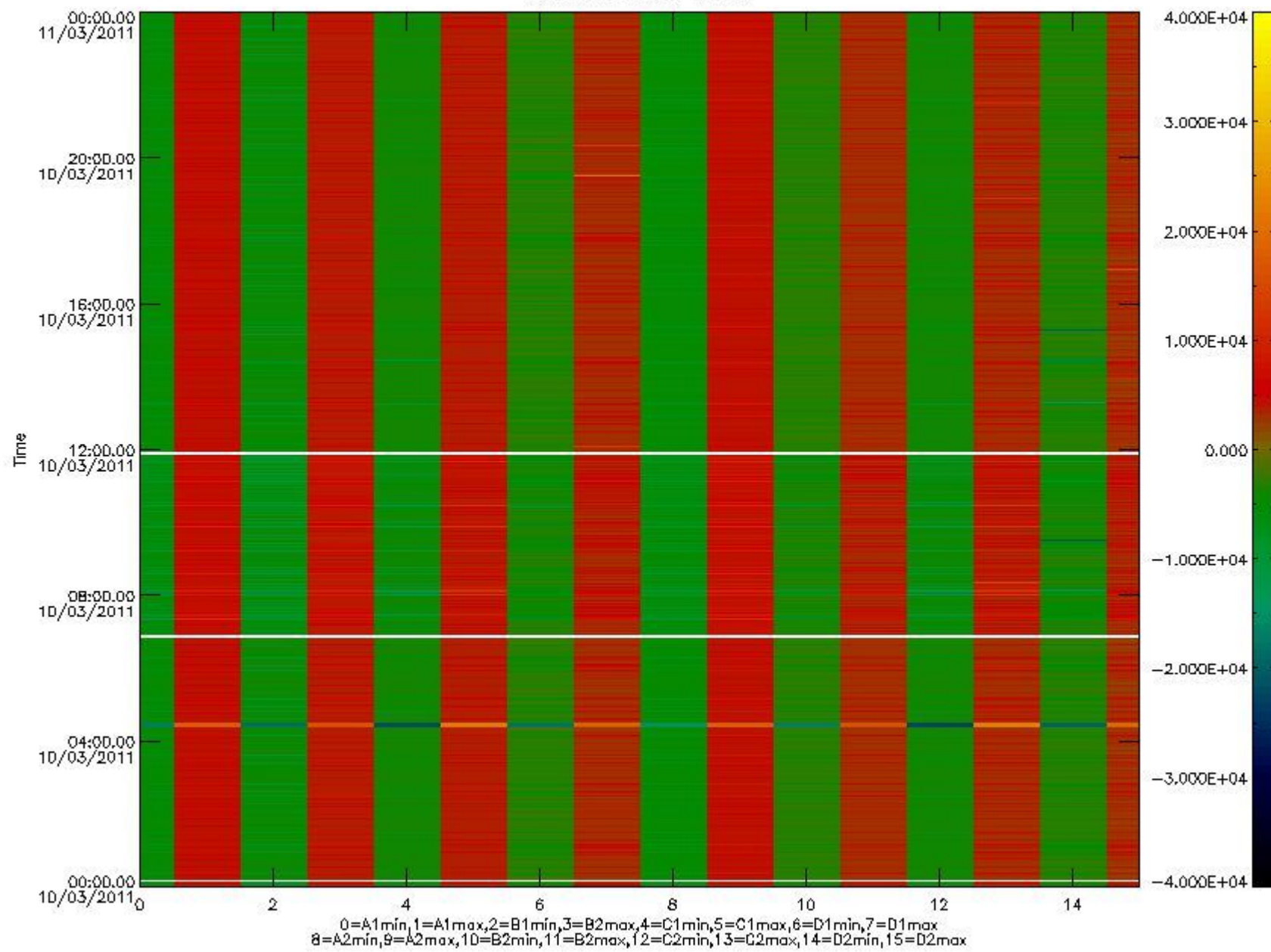


mipas_daily_report_level0_KSPT_L0_4504_N_20110310_10.PNG

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

Channel	Min	Max	ADC
A1	-17509	18518	16bit
B1	-19109	16583	16bit
C1	-24270	22378	16bit
D1	-20227	32767	16bit
A2	-15212	18671	16bit
B2	-17210	16931	16bit
C2	-23389	25580	16bit
D2	-32768	24502	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110310_11.PNG

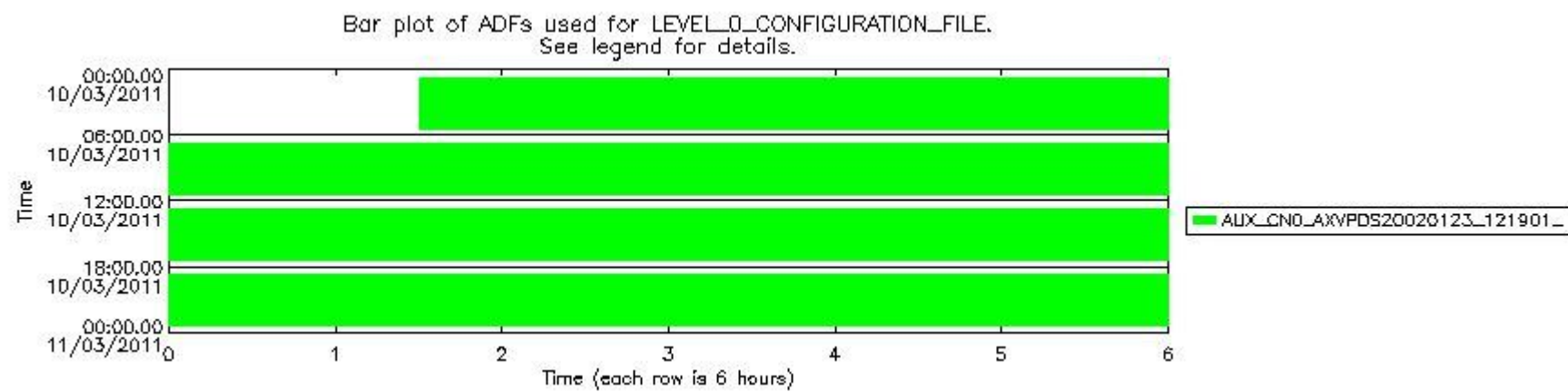
0.3 ADF monitoring

The use of ADFs is shown in two ways:

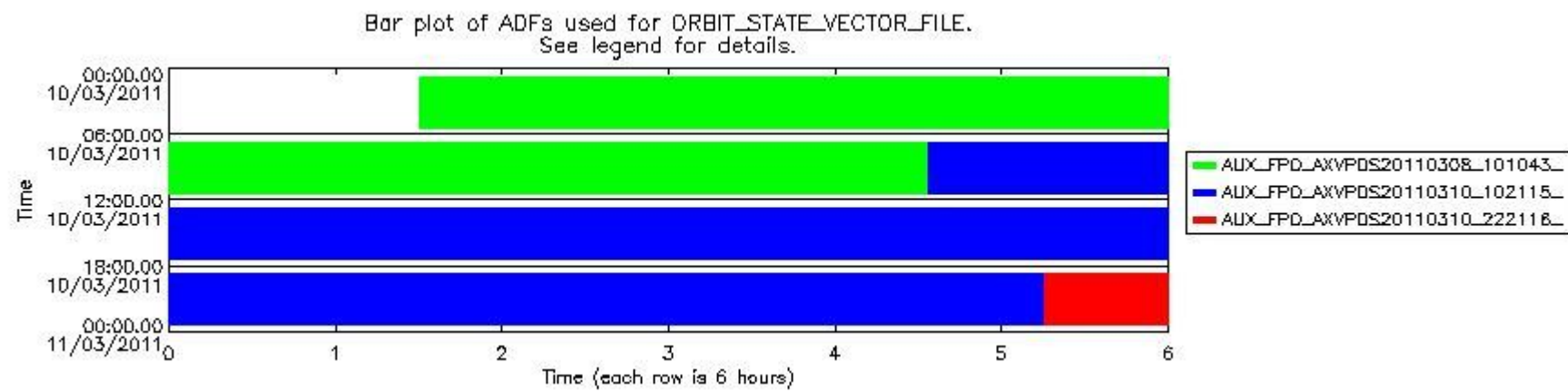
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110308_101043_20110307_183658_20110317_205047
2	AUX_FPO_AXVPDS20110310_102115_20110309_190344_20110319_211733
3	AUX_FPO_AXVPDS20110310_222116_20110310_182700_20110320_204049

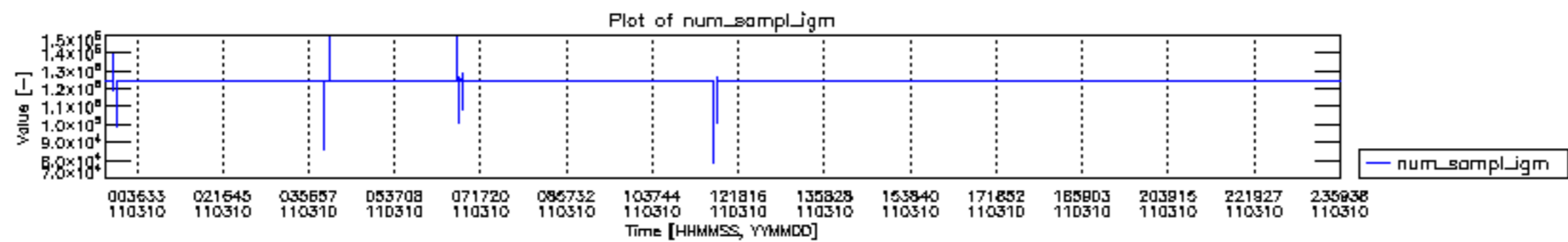
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110310_013035_000044393100_00189_47186_3076.N1	0	1
1	MIP_NL__0PNPDE20110310_024401_000061833100_00190_47187_3077.N1	0	1
2	MIP_NL__0PNPDE20110310_042633_000060293100_00191_47188_3078.N1	0	1
3	MIP_NL__0PNPDK20110310_060628_000041243100_00192_47189_4520.N1	0	1
4	MIP_NL__0PNPDK20110310_071439_000060503100_00193_47190_4521.N1	0	1
5	MIP_NL__0PNPDK20110310_085453_000059793100_00194_47191_4523.N1	0	1
6	MIP_NL__0PNPDK20110310_103340_000060623100_00195_47192_4524.N1	0	2
7	MIP_NL__0PNPDK20110310_121402_000058263100_00196_47193_4525.N1	0	2
8	MIP_NL__0PNPDK20110310_135012_000060313100_00197_47194_4526.N1	0	2
9	MIP_NL__0PNPDK20110310_152907_000059523100_00198_47195_4527.N1	0	2
10	MIP_NL__0PNPDK20110310_170720_000058513100_00199_47196_4528.N1	0	2
11	MIP_NL__0PNPDK20110310_184410_000059313100_00200_47197_4529.N1	0	2
12	MIP_NL__0PNPDE20110310_202147_000044003100_00201_47198_3079.N1	0	2
13	MIP_NL__0PNPDE20110310_213341_000061773100_00201_47198_3080.N1	0	2
14	MIP_NL__0PNPDE20110310_231538_000061733100_00202_47199_3081.N1	0	3

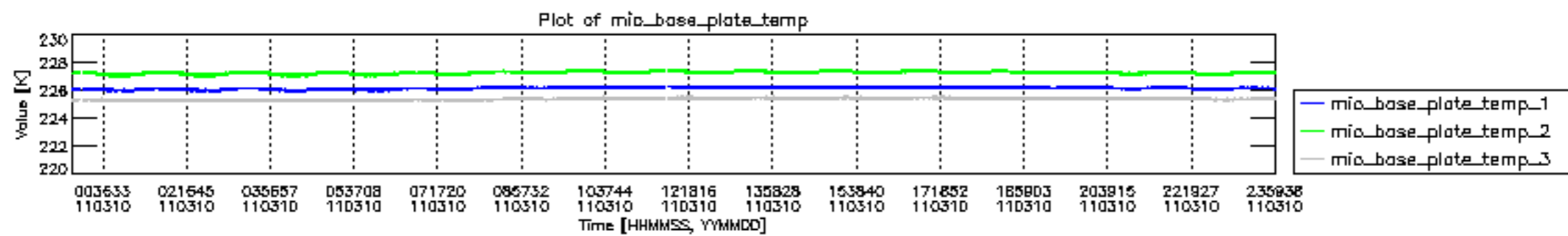


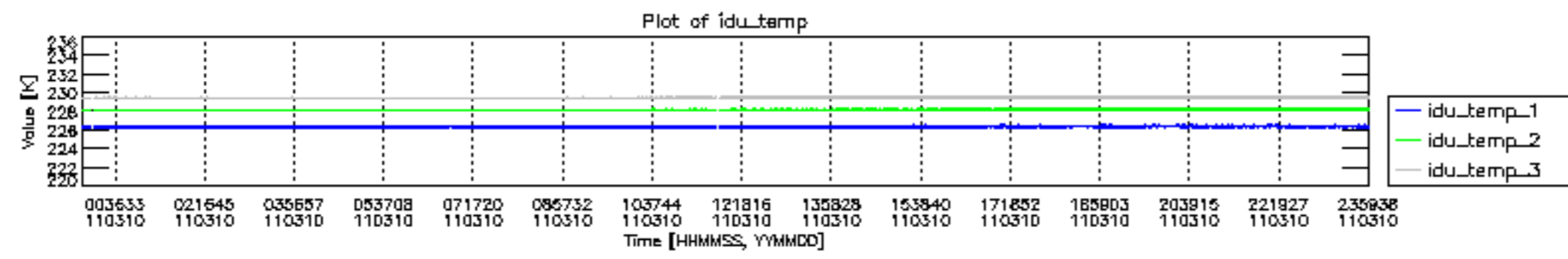
mipas_daily_report_level0_KSPT_L0_4504_N_20110310_12.PNG

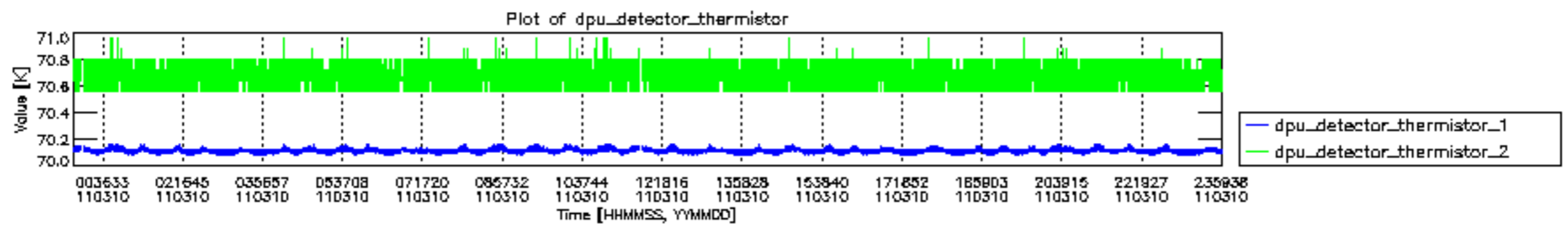


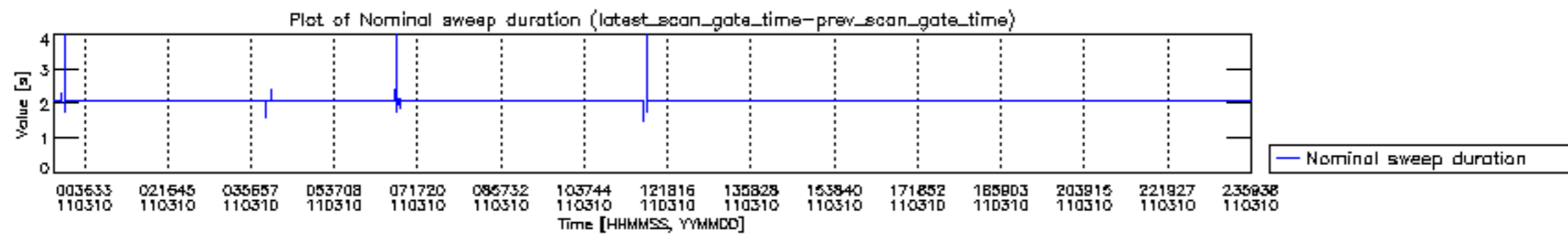
mipas_daily_report_level0_KSPT_L0_4504_N_20110310_13.PNG

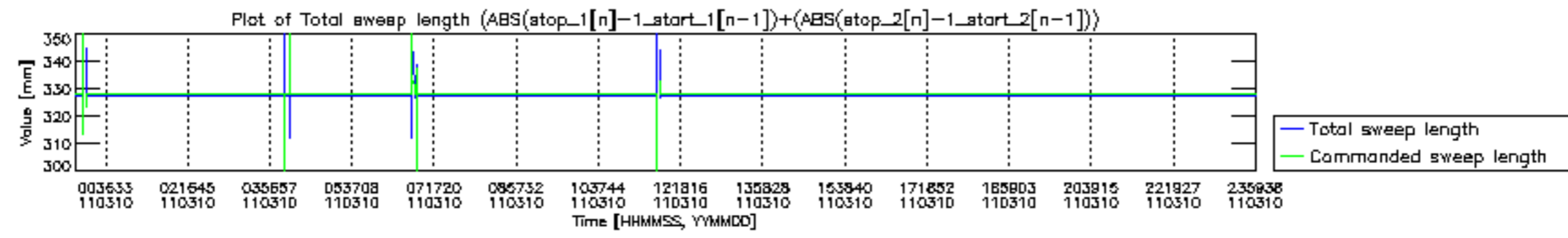


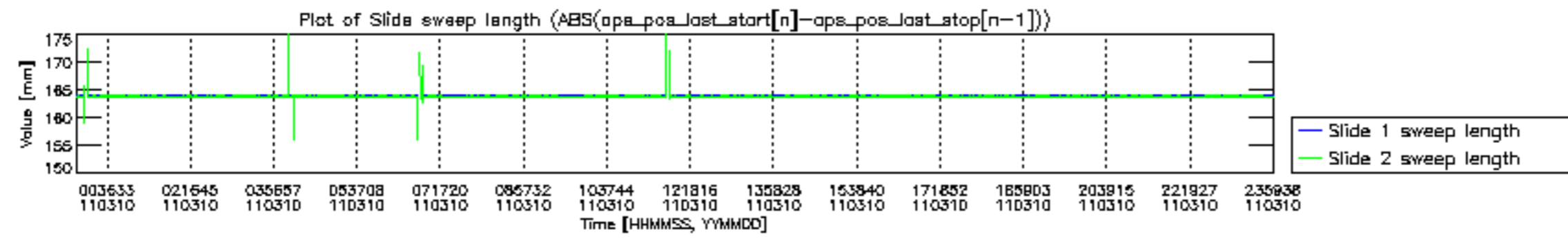


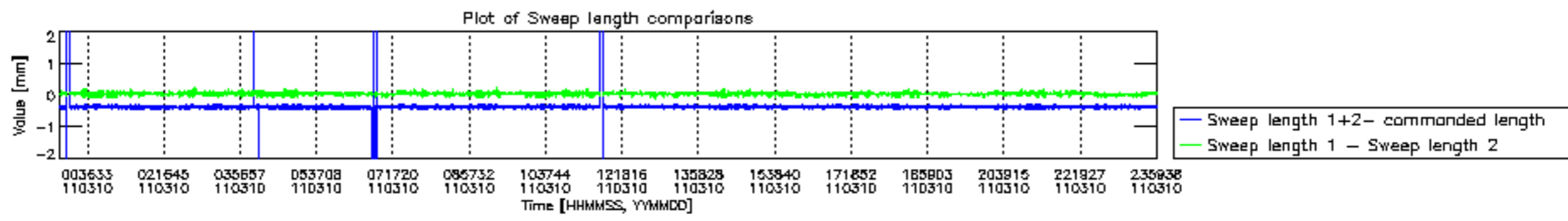


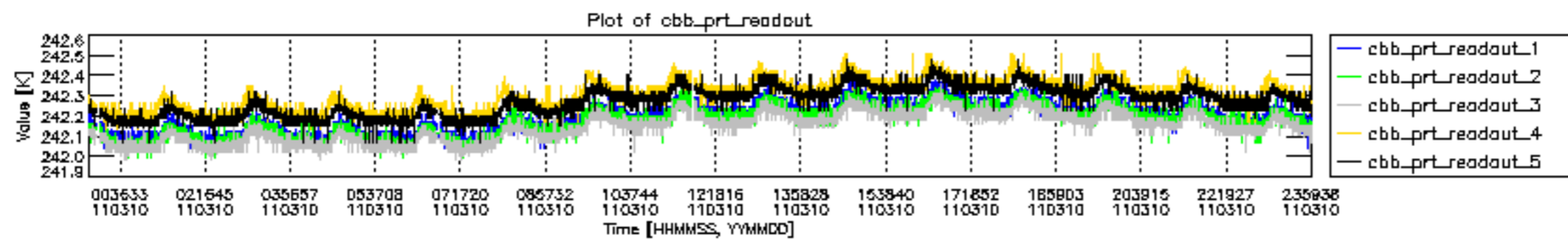


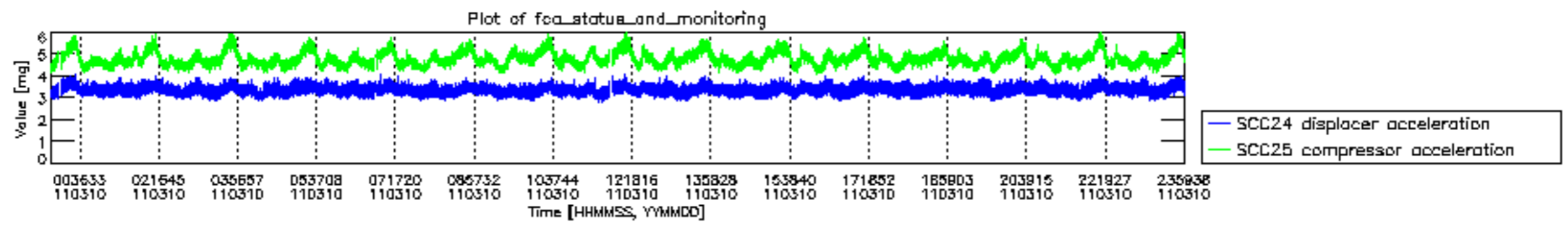












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.



