

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	25OCT2011 07:43:36
Data source version	KSPT_L0/4504-N
Processing scope for products	20OCT2011 00:00:00 to 21OCT2011 00:00:00
Start time of first product within scope	20OCT2011 01:22:34
Stop time of last product within scope	21OCT2011 00:47:30
Total number of level 0 products	18
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__0PNPDE20111020_012234_000101923107_00390_50404_9829.N1	20OCT2011 01:22:34	20OCT2011 04:12:26	0	0	0	0	0
1	MIP_NL__0PNPDE20111020_041142_000061693107_00392_50406_9830.N1	20OCT2011 04:11:42	20OCT2011 05:54:31	0	0	0	0	0
2	MIP_NL__0PNPDE20111020_055349_000062203107_00393_50407_9831.N1	20OCT2011 05:53:49	20OCT2011 07:37:29	0	0	0	0	0
3	MIP_NL__0PNPDK20111020_073654_000039503107_00394_50408_7284.N1	20OCT2011 07:36:54	20OCT2011 08:42:44	0	0	0	0	0
4	MIP_NL__0PNPDK20111020_084146_000061923107_00395_50409_7285.N1	20OCT2011 08:41:46	20OCT2011 10:24:57	0	0	0	0	0
5	MIP_NL__0PNPDK20111020_102328_000059333107_00396_50410_7286.N1	20OCT2011 10:23:28	20OCT2011 12:02:20	0	0	0	0	0
6	MIP_NL__0PNPDK20111020_120107_000060333107_00397_50411_7287.N1	20OCT2011 12:01:07	20OCT2011 13:41:40	0	0	0	0	0
7	MIP_NL__0PNPDK20111020_134042_000056343107_00398_50412_7288.N1	20OCT2011 13:40:42	20OCT2011 15:14:36	0	0	0	0	0
8	MIP_NL__0PNPDK20111020_152557_000052313107_00399_50413_7289.N1	20OCT2011 15:25:57	20OCT2011 16:53:08	0	0	0	0	0
9	MIP_NL__0PNPDK20111020_170355_000020103107_00400_50414_7290.N1	20OCT2011 17:03:55	20OCT2011 17:37:25	0	0	0	0	0
10	MIP_NL__0PNPDK20111020_173725_000034703107_00400_50414_7291.N1	20OCT2011 17:37:25	20OCT2011 18:35:15	0	0	0	0	0
11	MIP_NL__0PNPDK20111020_183441_000000103107_00401_50415_7292.N1	20OCT2011 18:34:41	20OCT2011 18:34:52	0	0	0	0	0
12	MIP_NL__0PNPDK20111020_183452_000000003107_00401_50415_7294.N1	20OCT2011 18:34:52	20OCT2011 18:34:52	1	1	0	0	0
13	MIP_NL__0PNPDK20111020_183508_000000063107_00401_50415_7296.N1	20OCT2011 18:35:08	20OCT2011 18:35:15	1	1	0	0	0
14	MIP_NL__0PNPDK20111020_183515_000058323107_00401_50415_7301.N1	20OCT2011 18:35:15	20OCT2011 20:12:27	0	0	0	0	0
15	MIP_NL__0PNPDE20111020_201030_000045043107_00402_50416_9832.N1	20OCT2011 20:10:30	20OCT2011 21:25:34	0	0	0	0	0
16	MIP_NL__0PNPDE20111020_212356_000062213107_00402_50416_9833.N1	20OCT2011 21:23:56	20OCT2011 23:07:37	0	0	0	0	0
17	MIP_NL__0PNPDE20111020_230638_000060523107_00403_50417_9834.N1	20OCT2011 23:06:38	21OCT2011 00:47:30	0	0	0	0	0

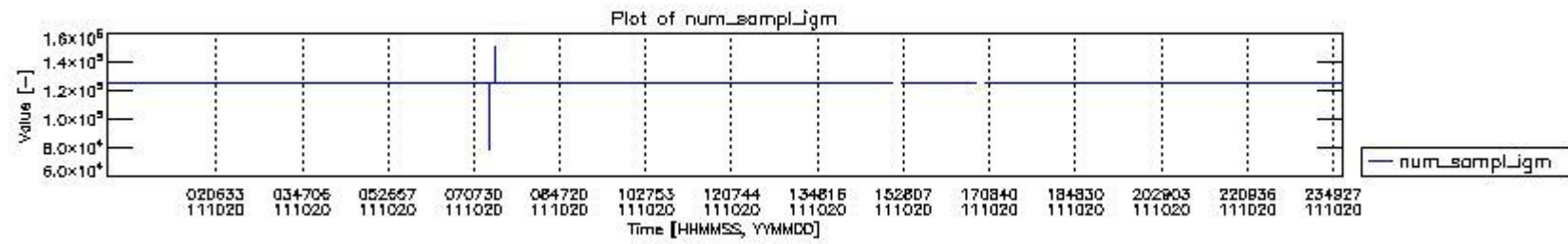
0.2 Instrument Operational Performance Parameters

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.

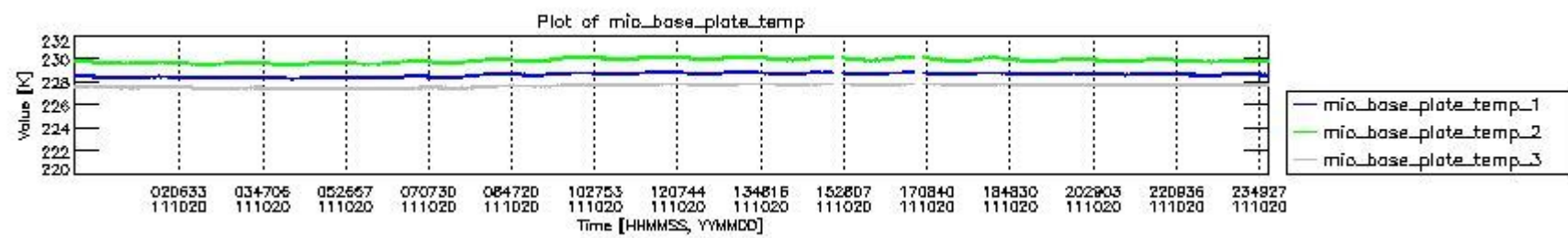
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
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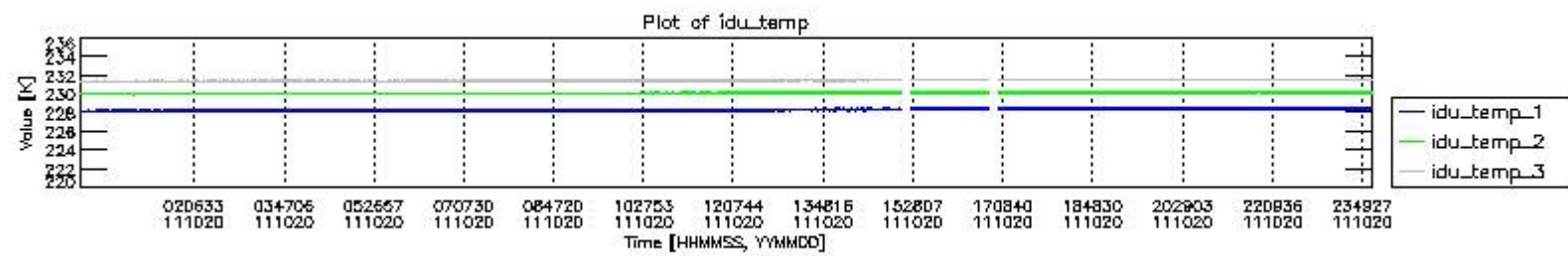
79174	1	0.0024554942
91921	1	0.0024554942
112053	1	0.0024554942
124800	37829	92.888889
124803	2890	7.0963781
127605	1	0.0024554942
147737	1	0.0024554942
150542	1	0.0024554942



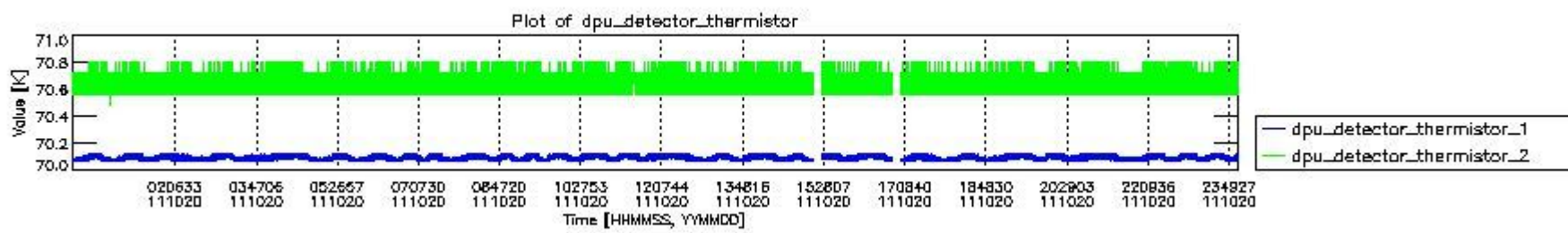
mipas_daily_report_level0_KSPT_L0_4504_N_20111020_0.PNG



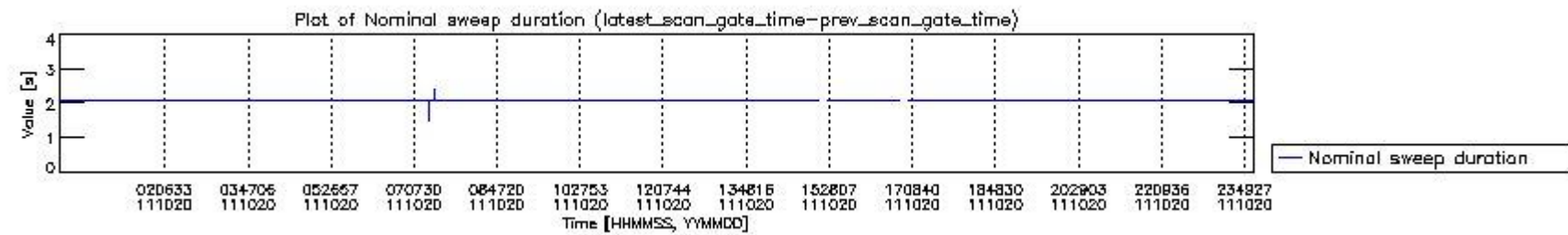
mipas_daily_report_level0_KSPT_L0_4504_N_20111020_1.PNG



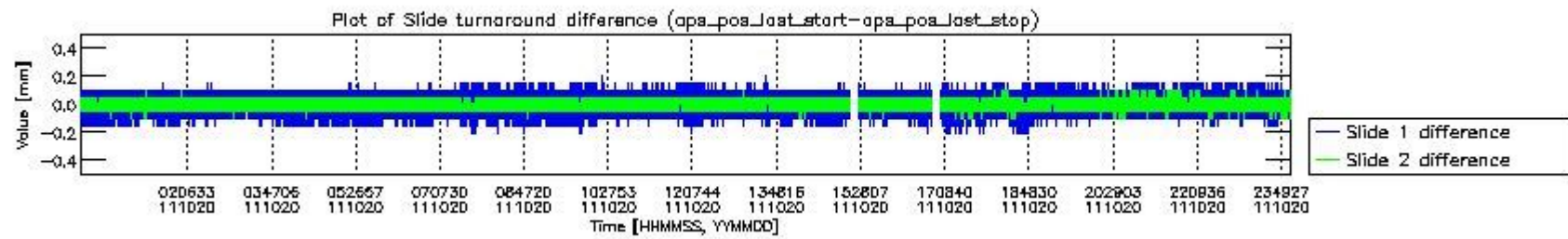
mipas_daily_report_level0_KSPT_L0_4504_N_20111020_2.PNG



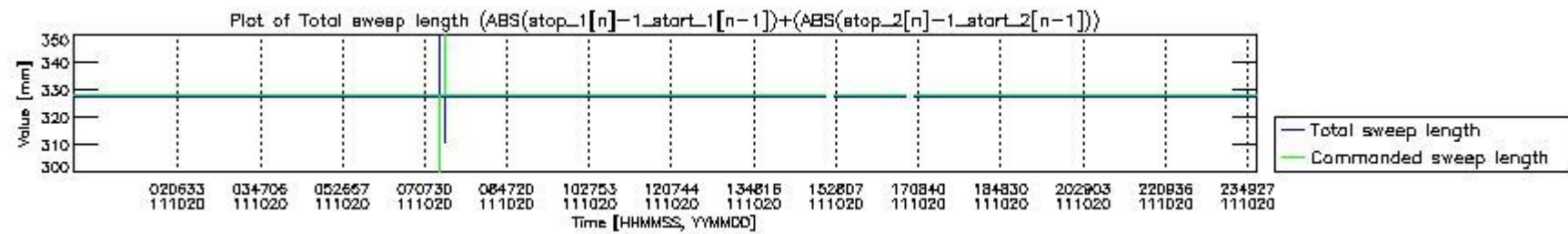
mipas_daily_report_level0_KSPT_L0_4504_N_20111020_3.PNG



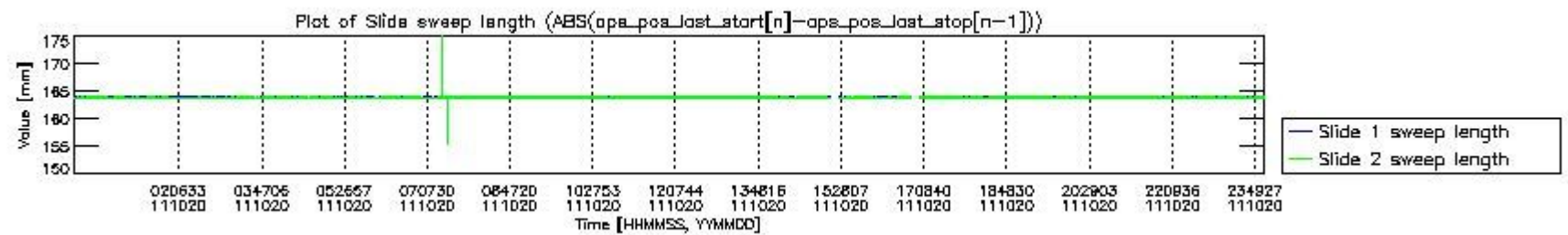
mipas_daily_report_level0_KSPT_L0_4504_N_20111020_4.PNG



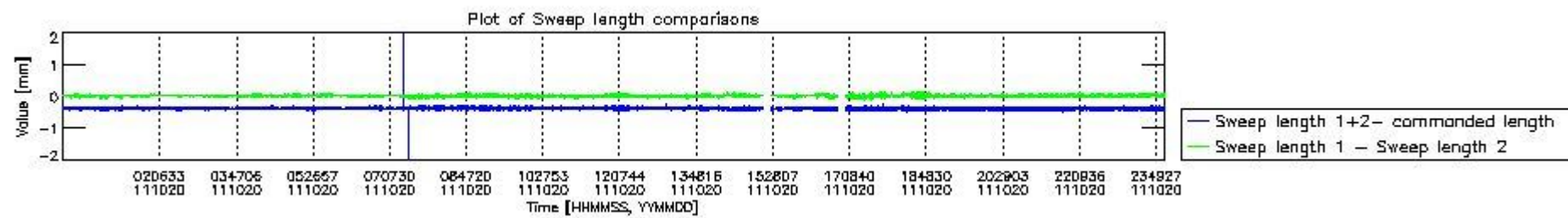
mipas_daily_report_level0_KSPT_L0_4504_N_20111020_5.PNG



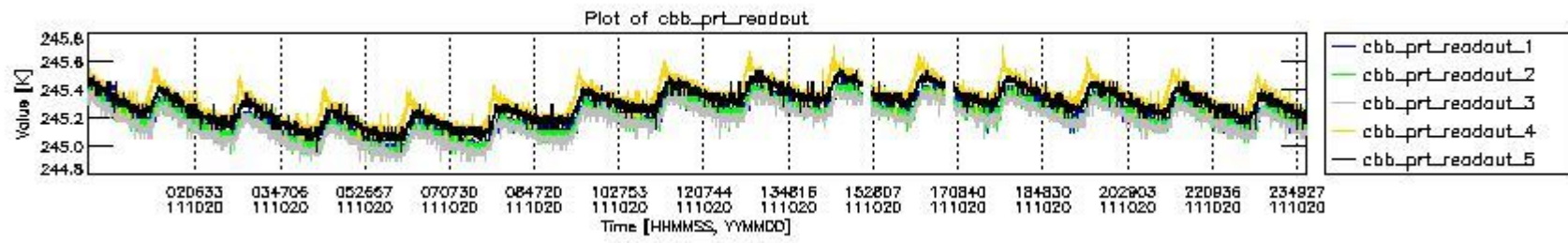
mipas_daily_report_level0_KSPT_L0_4504_N_20111020_6.PNG



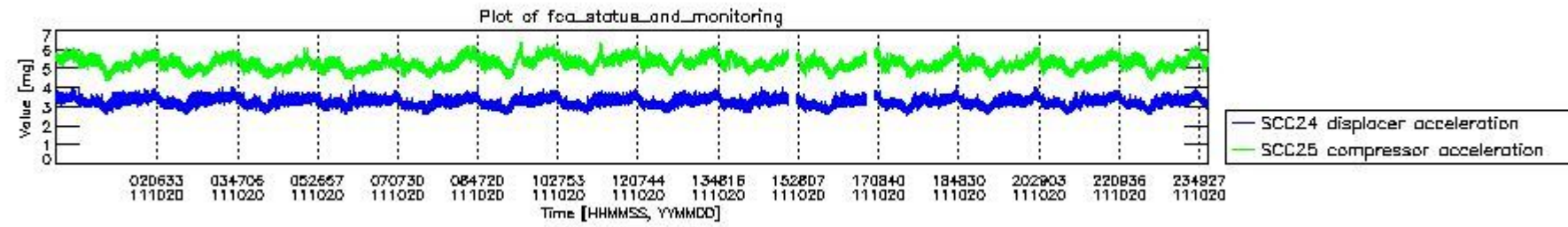
mipas_daily_report_level0_KSPT_L0_4504_N_20111020_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111020_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111020_9.PNG

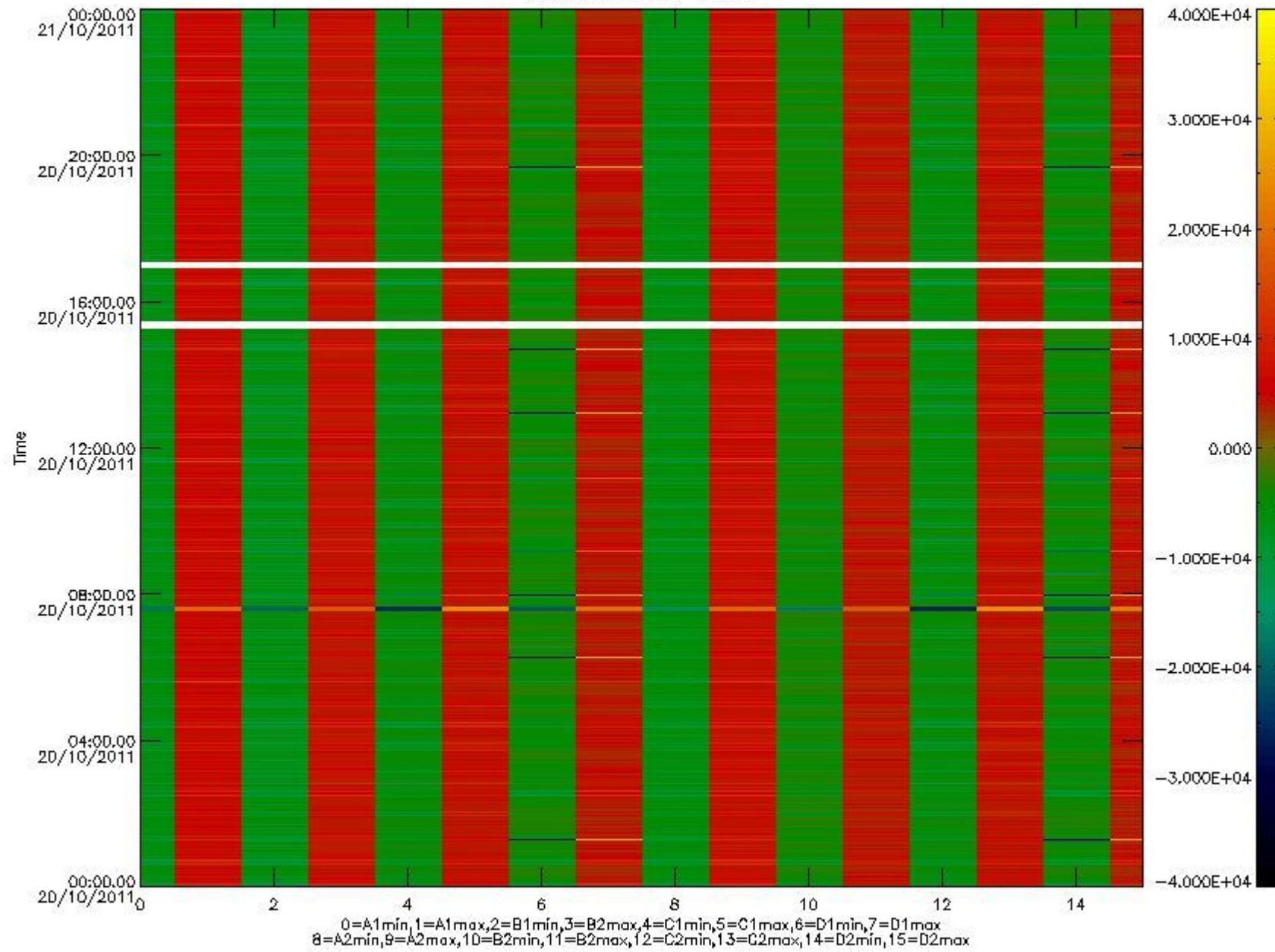


mipas_daily_report_level0_KSPT_L0_4504_N_20111020_10.PNG

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

Channel	Min	Max	ADC
A1	-18468	19585	16bit
B1	-20497	17643	16bit
C1	-25366	25253	16bit
D1	-32768	32767	16bit
A2	-15930	19640	16bit
B2	-18369	18039	16bit
C2	-26337	25962	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_20111020_11.PNG

0.3 ADF monitoring

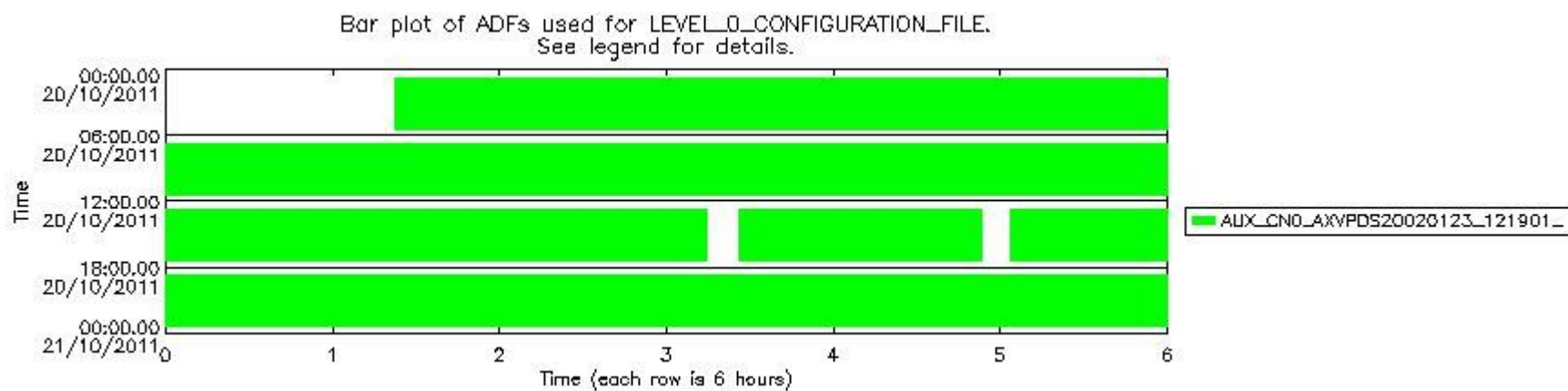
The use of ADFs is shown in two ways:

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.

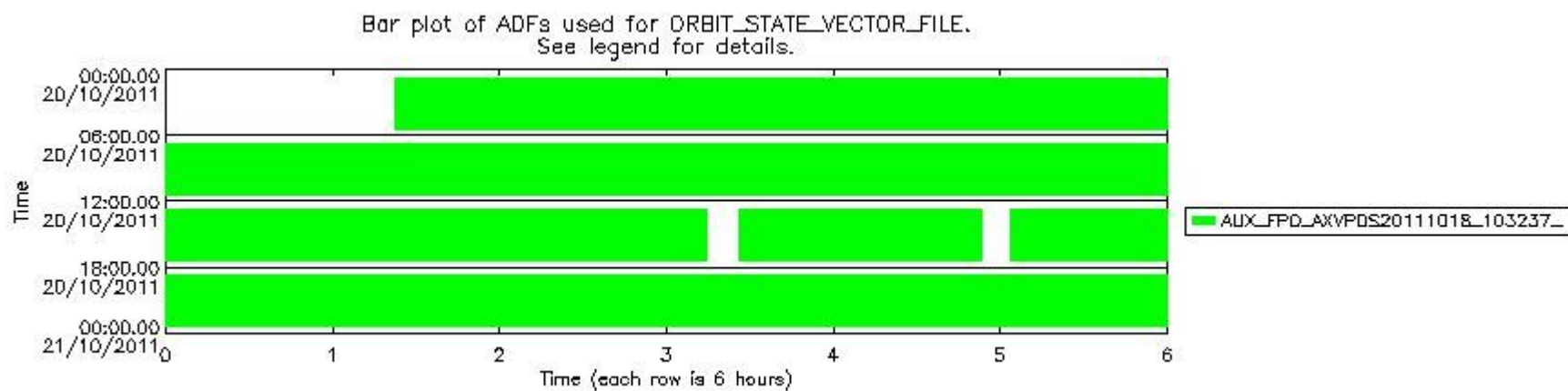
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111018_103237_20111017_182648_20111027_204032

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20111020_012234_000101923107_00390_50404_9829.N1	0	1

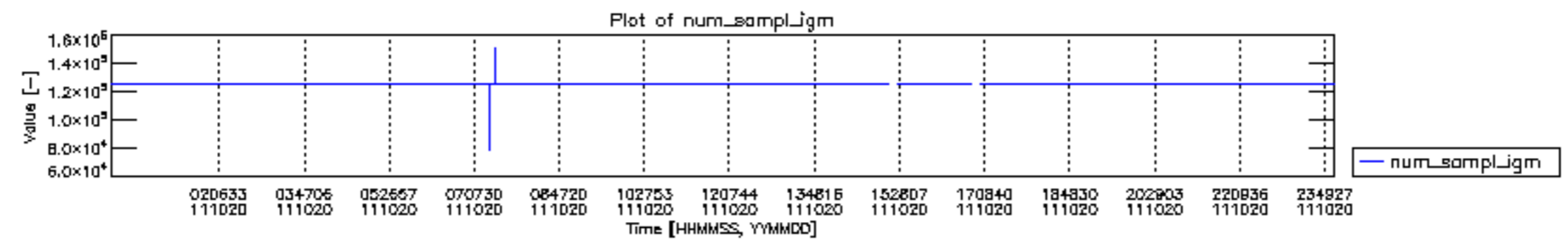
1	MIP_NL__0PNPDE20111020_041142_000061693107_00392_50406_9830.N1	0	1
2	MIP_NL__0PNPDE20111020_055349_000062203107_00393_50407_9831.N1	0	1
3	MIP_NL__0PNPDK20111020_073654_000039503107_00394_50408_7284.N1	0	1
4	MIP_NL__0PNPDK20111020_084146_000061923107_00395_50409_7285.N1	0	1
5	MIP_NL__0PNPDK20111020_102328_000059333107_00396_50410_7286.N1	0	1
6	MIP_NL__0PNPDK20111020_120107_000060333107_00397_50411_7287.N1	0	1
7	MIP_NL__0PNPDK20111020_134042_000056343107_00398_50412_7288.N1	0	1
8	MIP_NL__0PNPDK20111020_152557_000052313107_00399_50413_7289.N1	0	1
9	MIP_NL__0PNPDK20111020_170355_000020103107_00400_50414_7290.N1	0	1
10	MIP_NL__0PNPDK20111020_173725_000034703107_00400_50414_7291.N1	0	1
11	MIP_NL__0PNPDK20111020_183441_000000103107_00401_50415_7292.N1	0	1
12	MIP_NL__0PNPDK20111020_183452_000000003107_00401_50415_7294.N1	0	1
13	MIP_NL__0PNPDK20111020_183508_000000063107_00401_50415_7296.N1	0	1
14	MIP_NL__0PNPDK20111020_183515_000058323107_00401_50415_7301.N1	0	1
15	MIP_NL__0PNPDE20111020_201030_000045043107_00402_50416_9832.N1	0	1
16	MIP_NL__0PNPDE20111020_212356_000062213107_00402_50416_9833.N1	0	1
17	MIP_NL__0PNPDE20111020_230638_000060523107_00403_50417_9834.N1	0	1

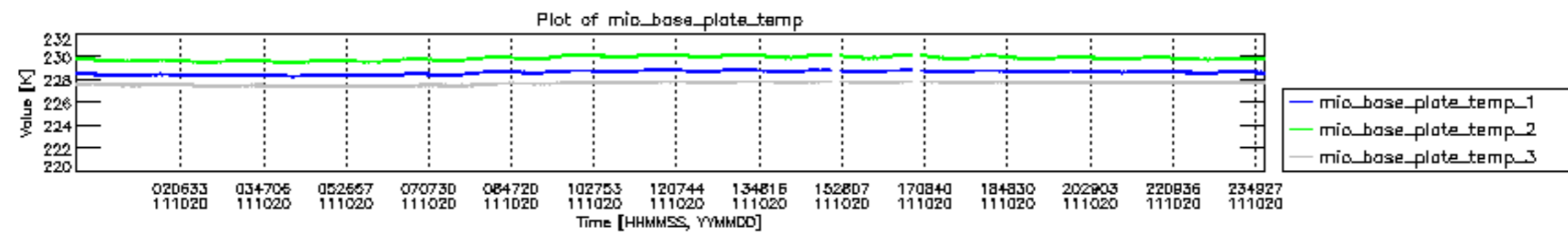


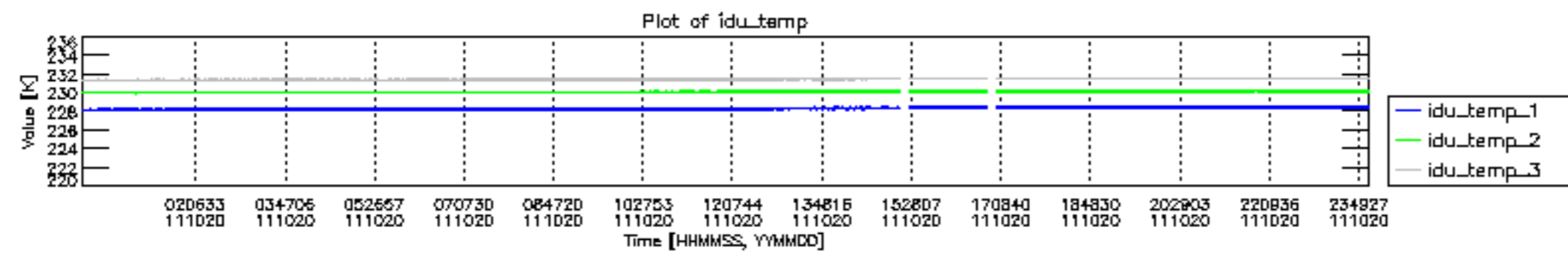
mipas_daily_report_level0_KSPT_L0_4504_N_20111020_12.PNG

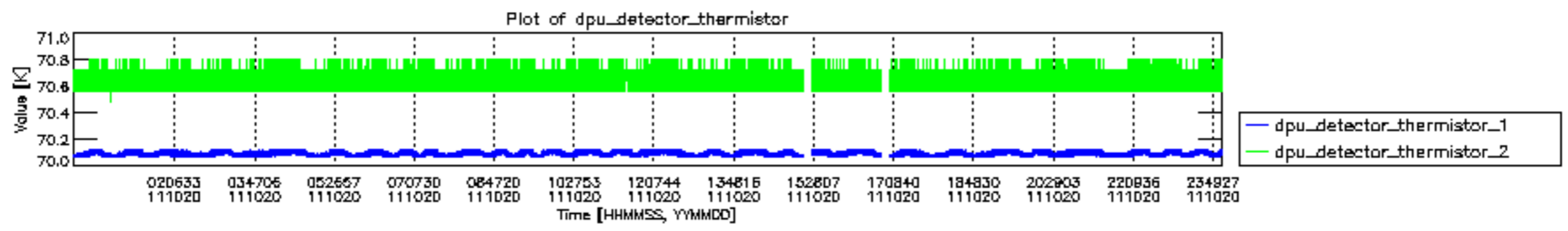


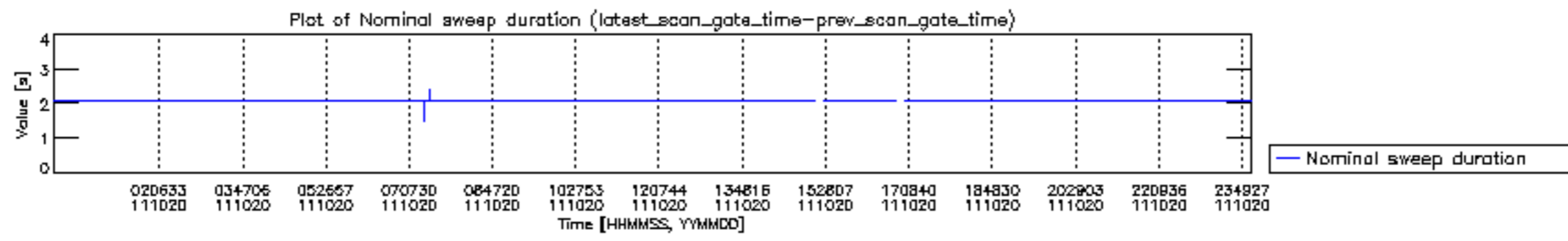
mipas_daily_report_level0_KSPT_L0_4504_N_20111020_13.PNG

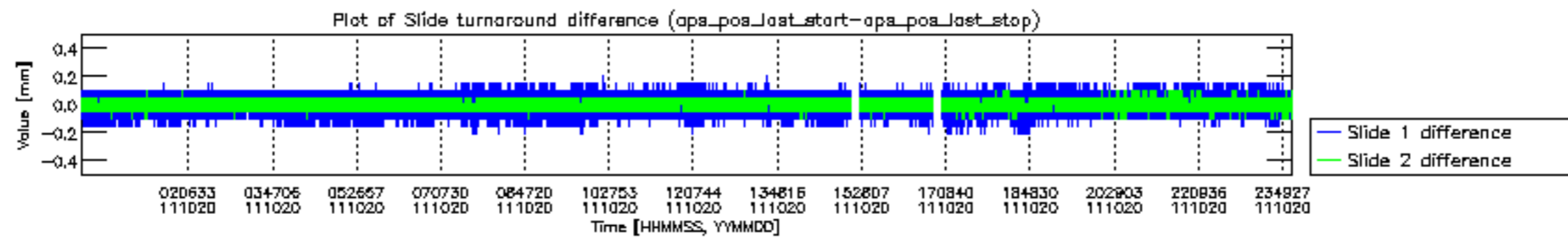


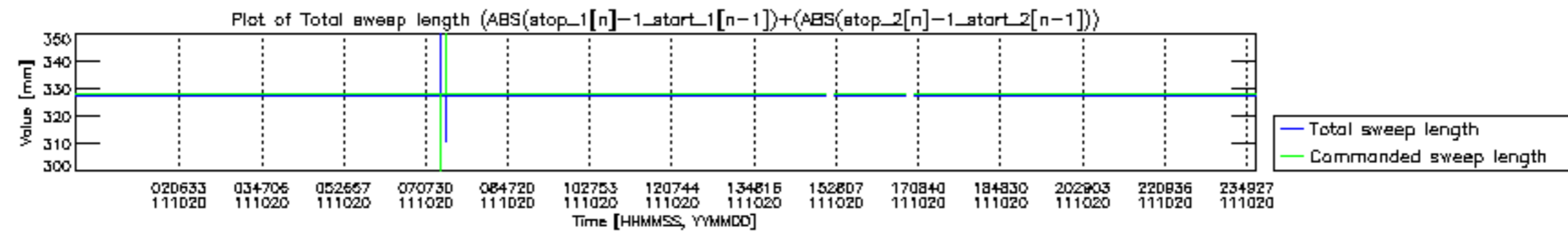


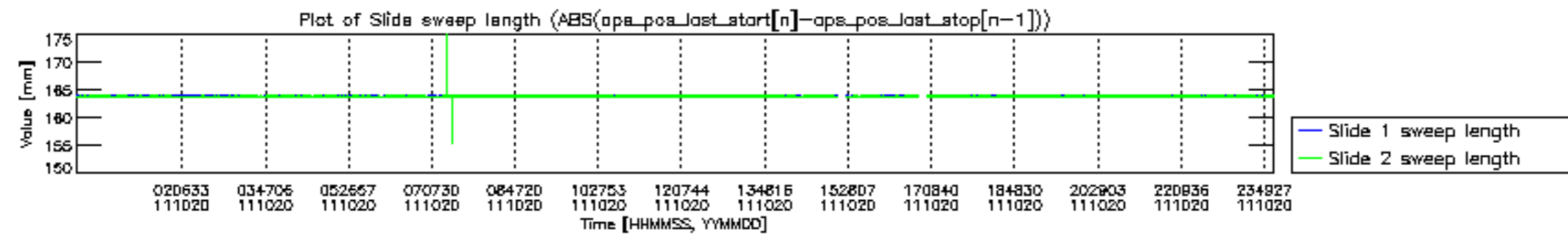


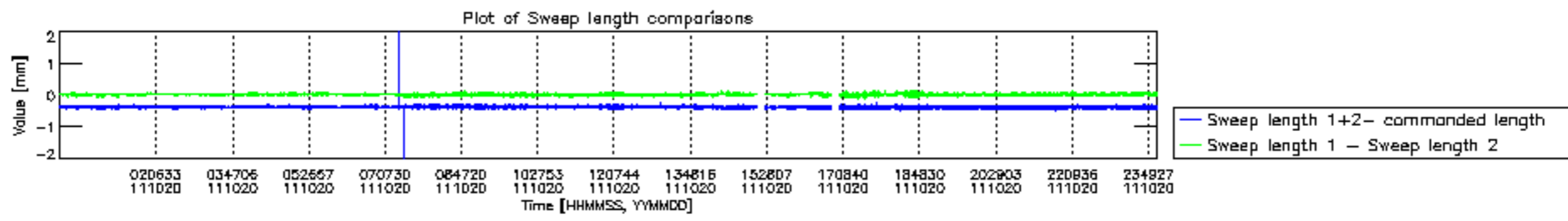


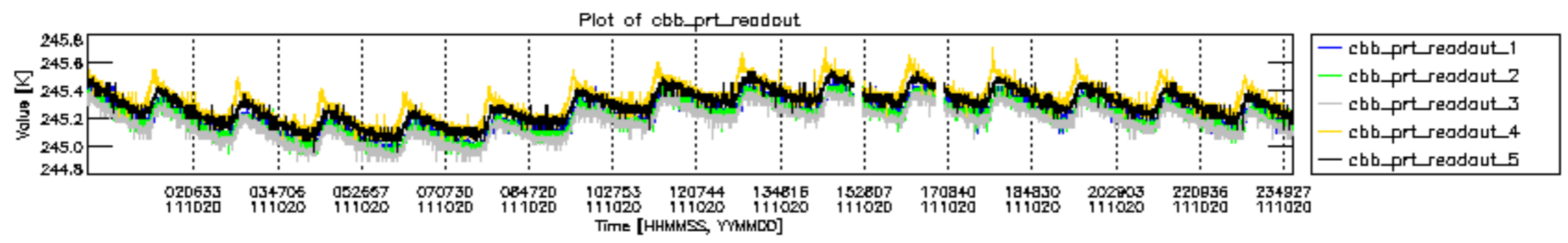


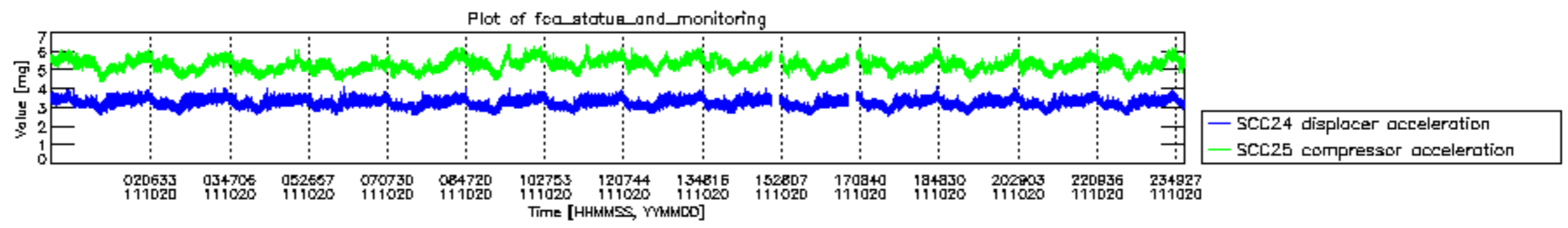












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

