

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	14OCT2011 05:21:18
Data source version	KSPT_L0/4504-N
Processing scope for products	09OCT2011 00:00:00 to 10OCT2011 00:00:00
Start time of first product within scope	09OCT2011 01:25:27
Stop time of last product within scope	09OCT2011 21:29:00
Total number of level 0 products	12
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__0PNPDE20111009_012527_000102933107_00232_50246_9801.N1	09OCT2011 01:25:27	09OCT2011 04:17:00	0	0	0	0	0
1	MIP_NL__0PNPDE20111009_041626_000061843107_00234_50248_9802.N1	09OCT2011 04:16:26	09OCT2011 05:59:30	0	0	0	0	0
2	MIP_NL__0PNPDE20111009_055856_000061893107_00235_50249_9803.N1	09OCT2011 05:58:56	09OCT2011 07:42:06	0	0	0	0	0
3	MIP_NL__0PNPDK20111009_074132_000038653107_00236_50250_7250.N1	09OCT2011 07:41:32	09OCT2011 08:45:57	0	0	0	0	0
4	MIP_NL__0PNPDK20111009_084500_000061963107_00237_50251_7251.N1	09OCT2011 08:45:00	09OCT2011 10:28:16	0	0	0	0	0
5	MIP_NL__0PNPDK20111009_102731_000060103107_00238_50252_7252.N1	09OCT2011 10:27:31	09OCT2011 12:07:41	0	0	0	0	0
6	MIP_NL__0PNPDK20111009_120607_000060103107_00239_50253_7253.N1	09OCT2011 12:06:07	09OCT2011 13:46:17	0	0	0	0	0
7	MIP_NL__0PNPDK20111009_134518_000057913107_00240_50254_7254.N1	09OCT2011 13:45:18	09OCT2011 15:21:49	0	0	0	0	0
8	MIP_NL__0PNPDK20111009_152007_000060813107_00241_50255_7255.N1	09OCT2011 15:20:07	09OCT2011 17:01:28	0	0	0	0	0
9	MIP_NL__0PNPDK20111009_170029_000058813107_00242_50256_7256.N1	09OCT2011 17:00:29	09OCT2011 18:38:30	0	0	0	0	0
10	MIP_NL__0PNPDK20111009_183746_000060123107_00243_50257_7257.N1	09OCT2011 18:37:46	09OCT2011 20:17:58	0	0	0	0	0
11	MIP_NL__0PNPDE20111009_201710_000043103107_00244_50258_9804.N1	09OCT2011 20:17:10	09OCT2011 21:29:00	0	0	0	0	0

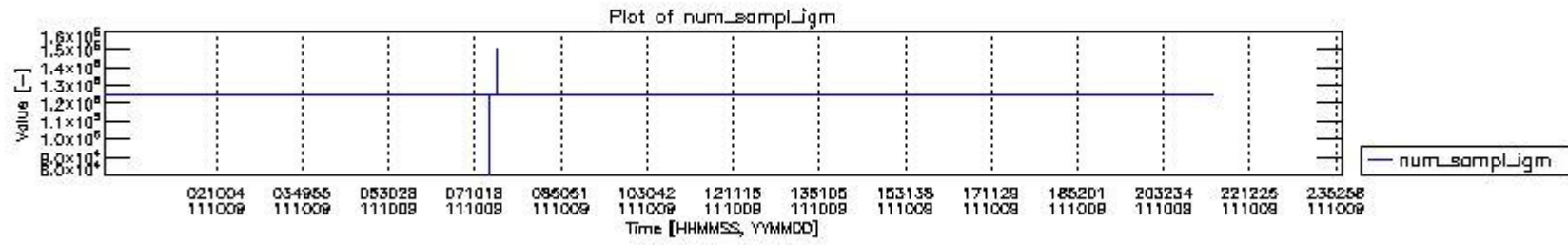
0.2 Instrument Operational Performance Parameters

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.

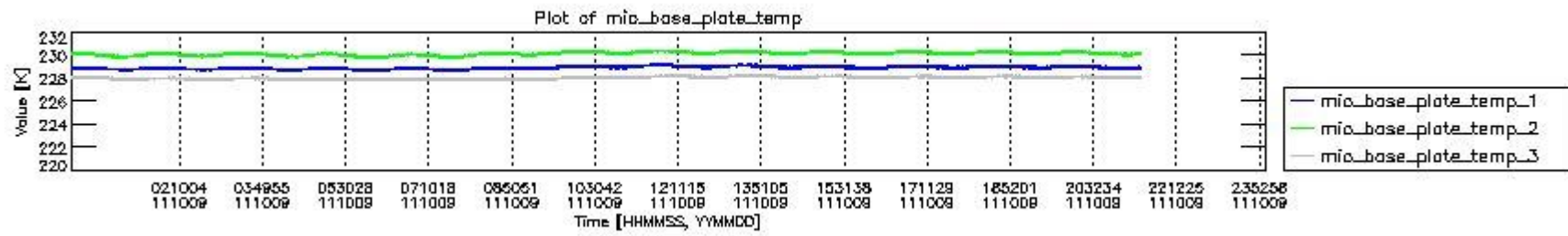
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
80216	1	0.0026847079
92442	1	0.0026847079
112574	1	0.0026847079
124800	34604	92.901632
124803	2638	7.0822595
127605	1	0.0026847079

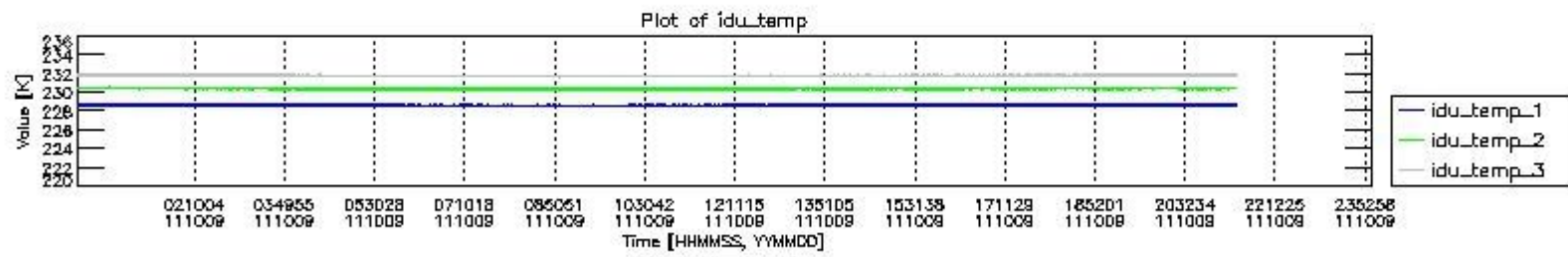
147737	1	0.0026847079
150542	1	0.0026847079



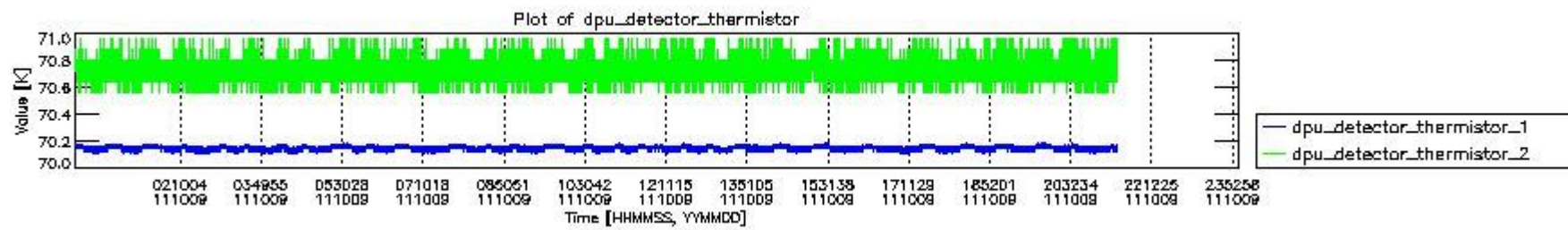
mipas_daily_report_level0_KSPT_L0_4504_N_20111009_0.PNG



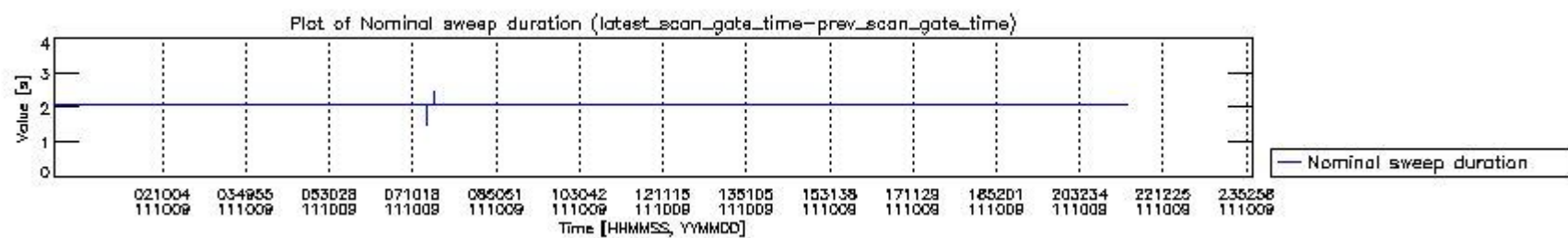
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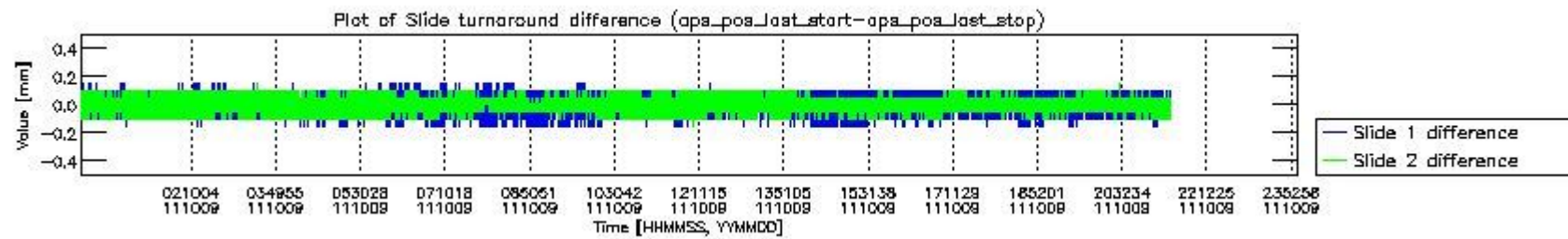
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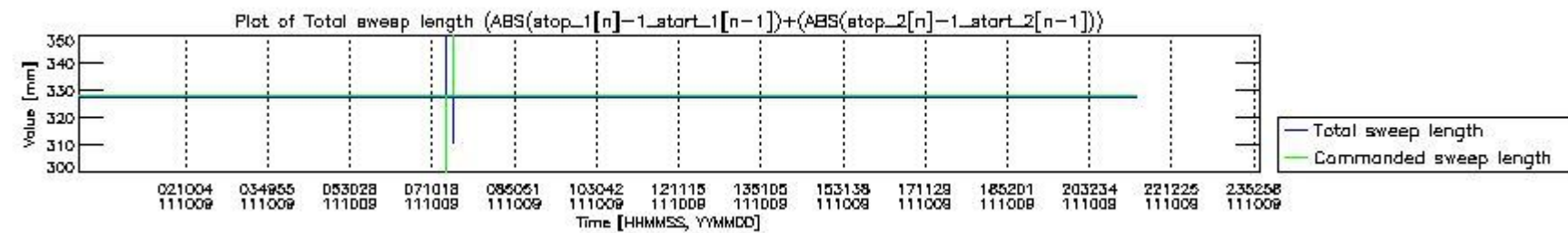
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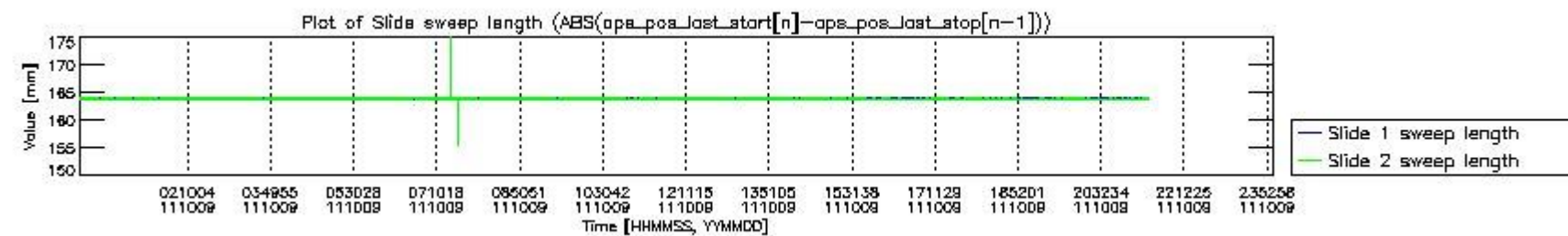
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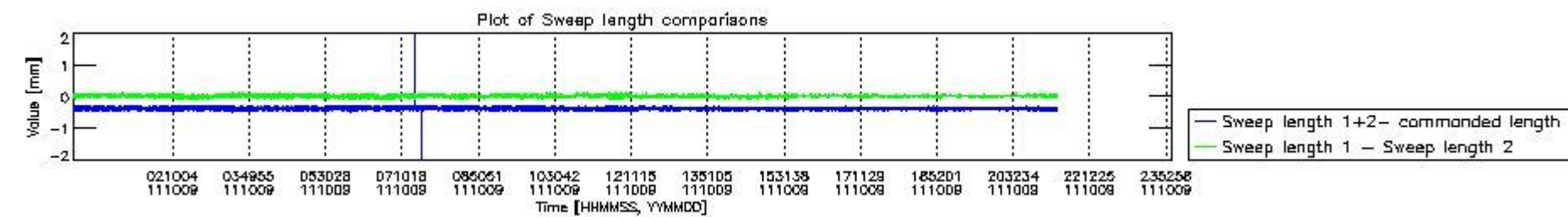
mipas_daily_report_level0_KSPT_L0_4504_N_20111009_5.PNG



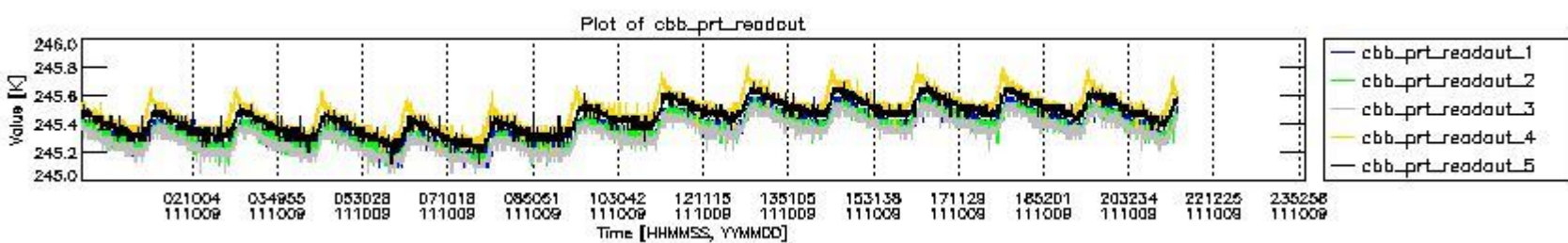
mipas_daily_report_level0_KSPT_L0_4504_N_20111009_6.PNG



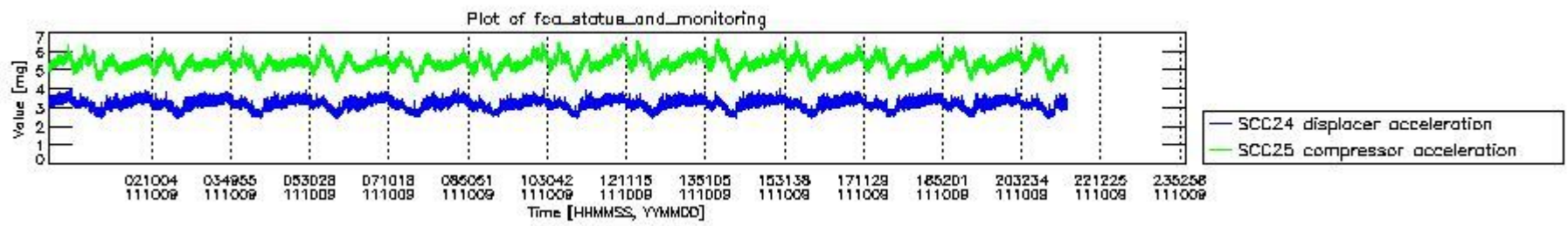
mipas_daily_report_level0_KSPT_L0_4504_N_20111009_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111009_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111009_9.PNG

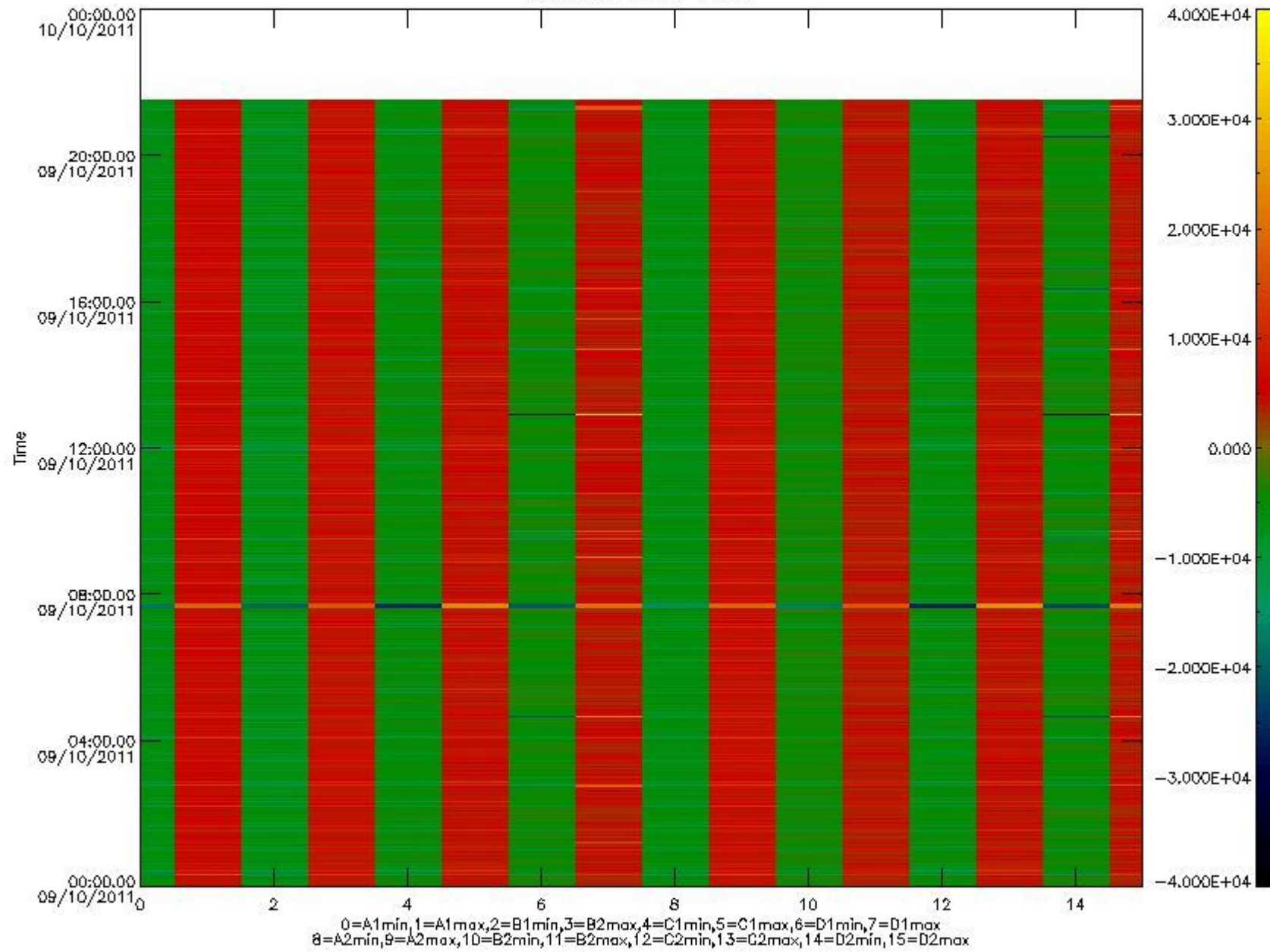


mipas_daily_report_level0_KSPT_L0_4504_N_20111009_10.PNG

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

Channel	Min	Max	ADC
A1	-18079	19170	16bit
B1	-20479	17613	16bit
C1	-25223	25148	16bit
D1	-32768	32767	16bit
A2	-15725	19427	16bit
B2	-18451	18160	16bit
C2	-26283	25937	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_20111009_11.PNG

0.3 ADF monitoring

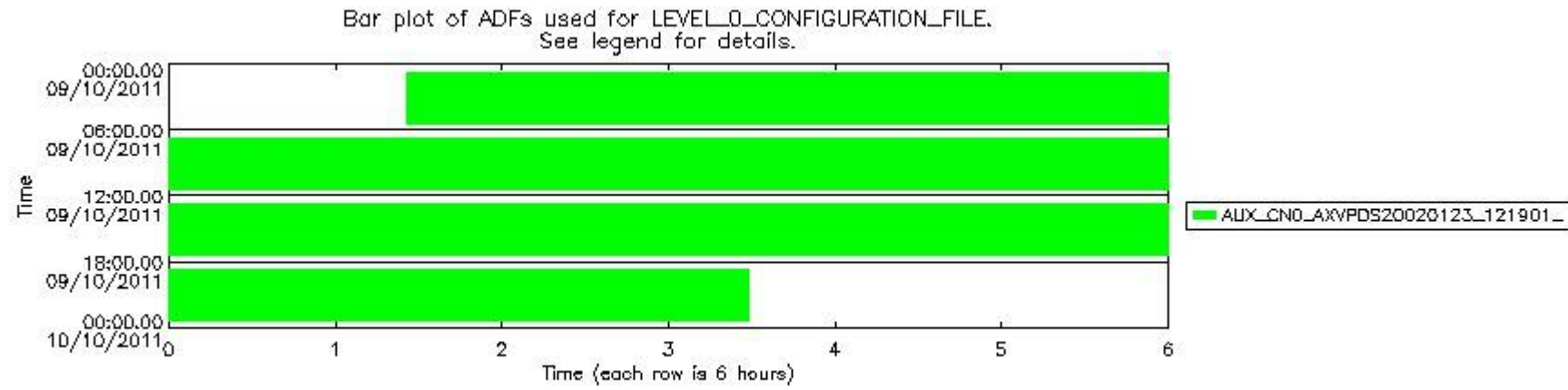
The use of ADFs is shown in two ways:

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.

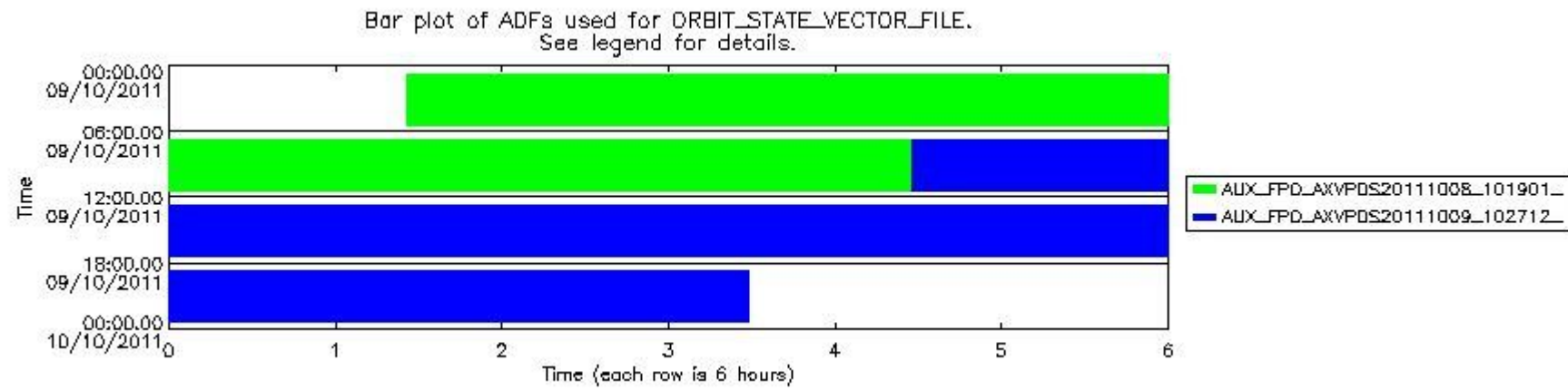
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111008_101901_20111007_193333_20111017_200701
2	AUX_FPO_AXVPDS20111009_102712_20111008_185648_20111018_211032

Number	Product name	#CN0	#FPO
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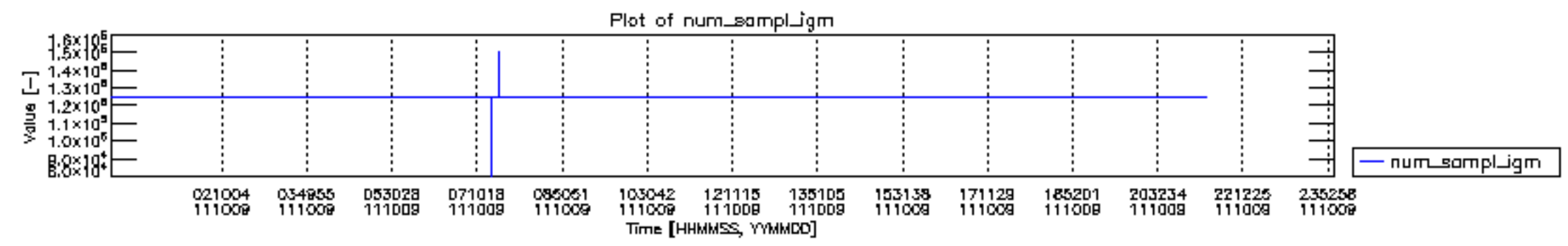
0	MIP_NL__0PNPDE20111009_012527_000102933107_00232_50246_9801.N1	0	1
1	MIP_NL__0PNPDE20111009_041626_000061843107_00234_50248_9802.N1	0	1
2	MIP_NL__0PNPDE20111009_055856_000061893107_00235_50249_9803.N1	0	1
3	MIP_NL__0PNPDK20111009_074132_000038653107_00236_50250_7250.N1	0	1
4	MIP_NL__0PNPDK20111009_084500_000061963107_00237_50251_7251.N1	0	1
5	MIP_NL__0PNPDK20111009_102731_000060103107_00238_50252_7252.N1	0	2
6	MIP_NL__0PNPDK20111009_120607_000060103107_00239_50253_7253.N1	0	2
7	MIP_NL__0PNPDK20111009_134518_000057913107_00240_50254_7254.N1	0	2
8	MIP_NL__0PNPDK20111009_152007_000060813107_00241_50255_7255.N1	0	2
9	MIP_NL__0PNPDK20111009_170029_000058813107_00242_50256_7256.N1	0	2
10	MIP_NL__0PNPDK20111009_183746_000060123107_00243_50257_7257.N1	0	2
11	MIP_NL__0PNPDE20111009_201710_000043103107_00244_50258_9804.N1	0	2

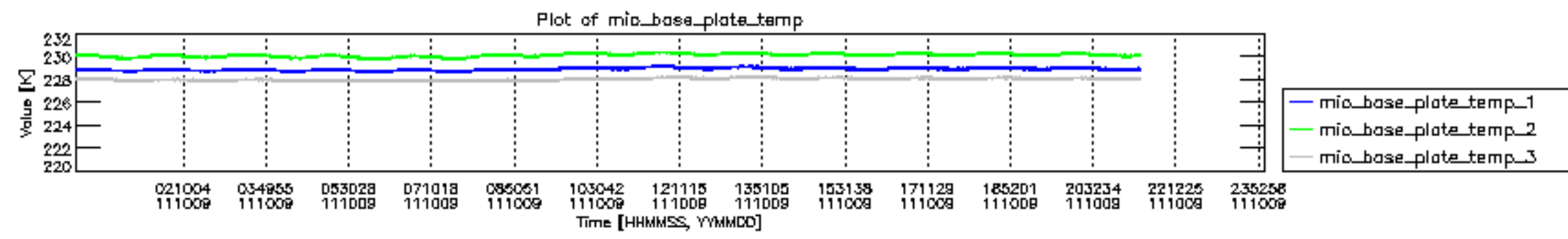


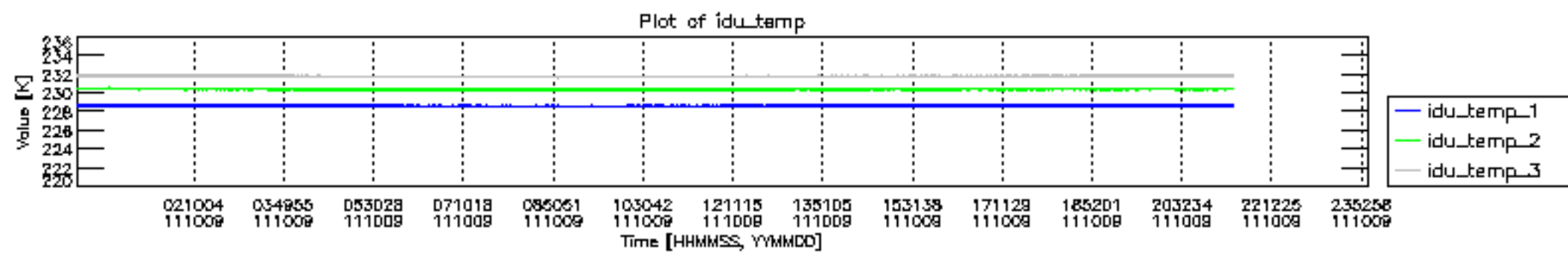
mipas_daily_report_level0_KSPT_L0_4504_N_20111009_12.PNG

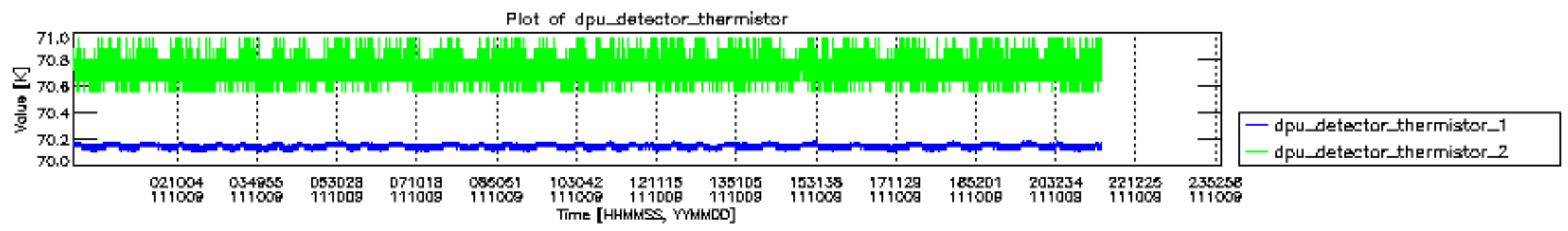


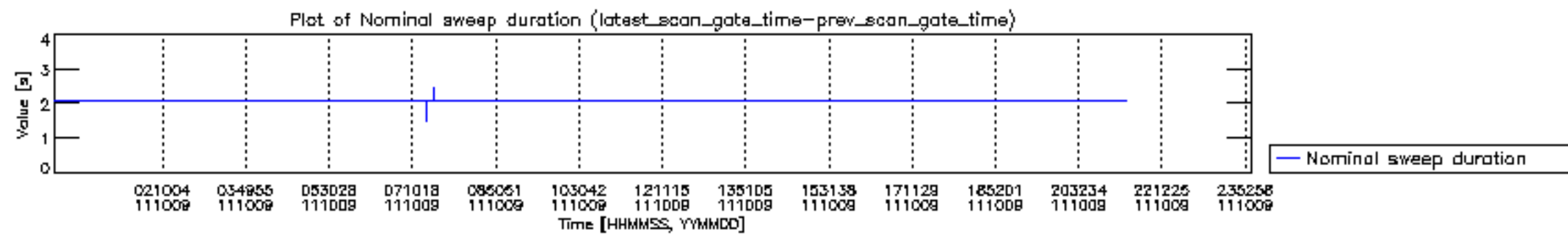
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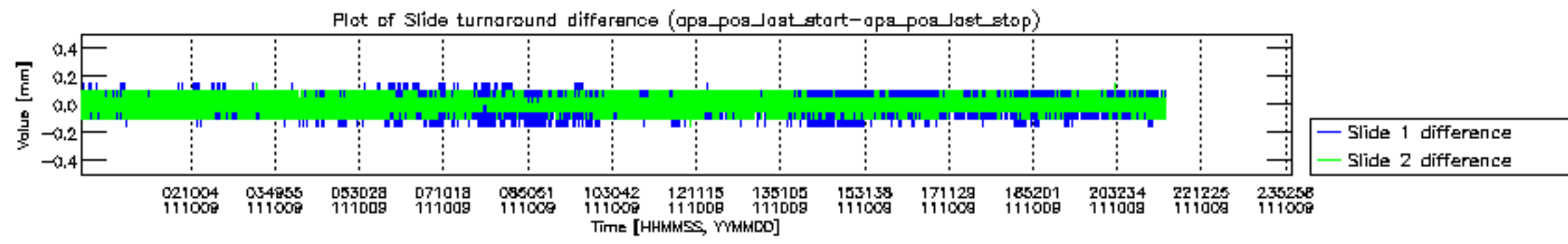


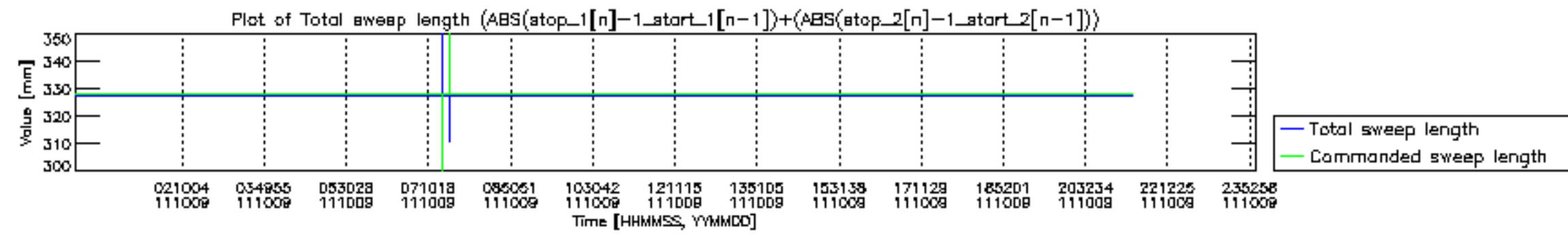


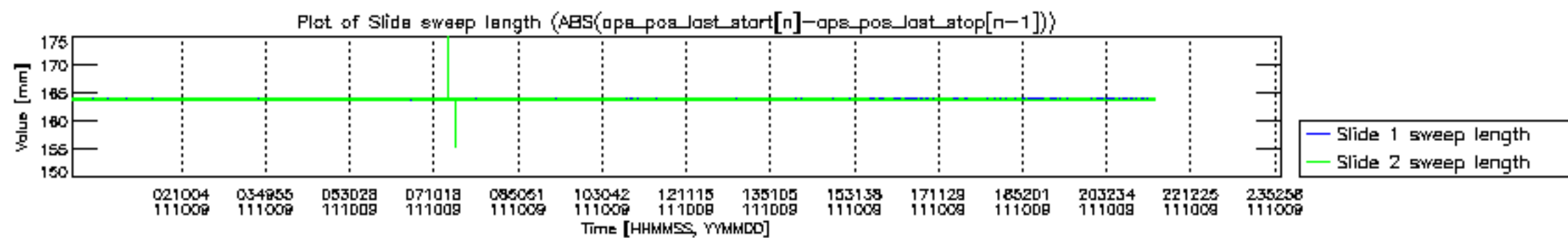


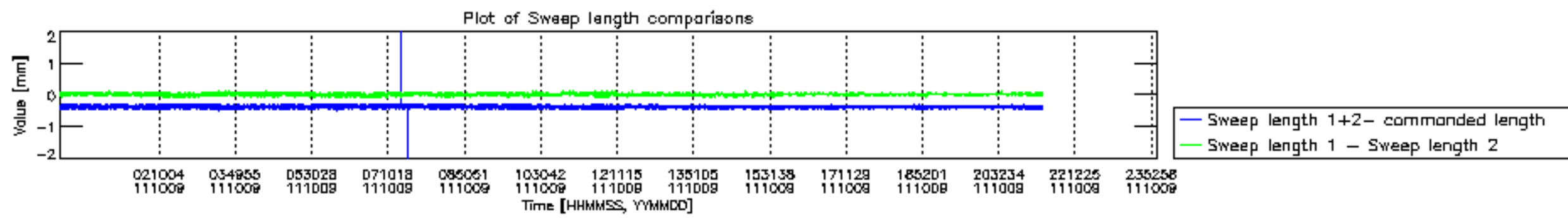


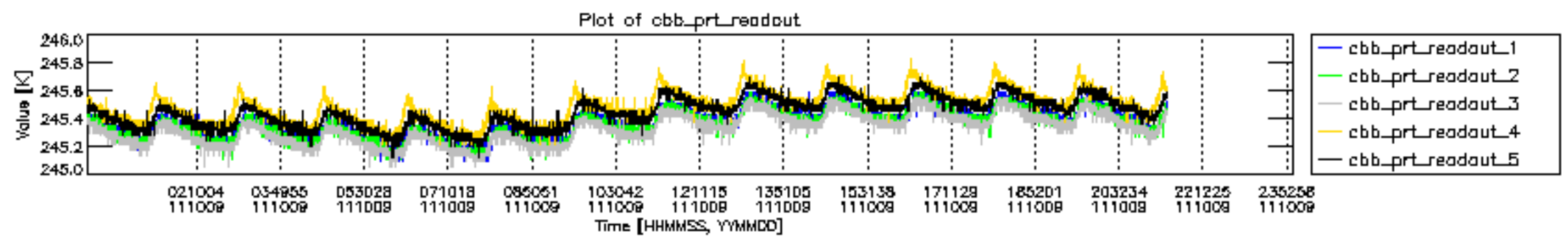


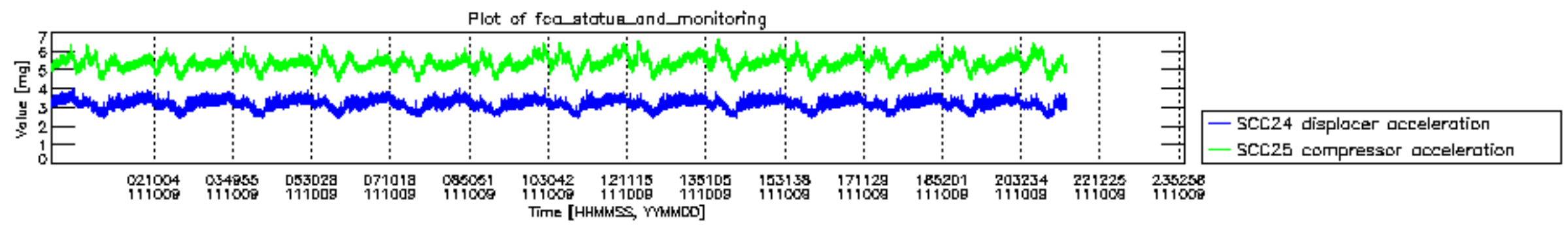












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

