

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	17DEC2010 05:25:41
Data source version	KSPT_L0/4504-N
Processing scope for products	12DEC2010 00:00:00 to 13DEC2010 00:00:00
Start time of first product within scope	12DEC2010 00:17:22
Stop time of last product within scope	13DEC2010 01:20:53
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__0PNPDE20101212_001722_000058873097_00217_45921_2480.N1	12DEC2010 00:17:22	12DEC2010 01:55:29	0	0	0	0	0
1	MIP_NL__0PNPDE20101212_015433_000045123097_00218_45922_2481.N1	12DEC2010 01:54:33	12DEC2010 03:09:45	0	0	0	0	0
2	MIP_NL__0PNPDE20101212_030912_000061543097_00219_45923_2482.N1	12DEC2010 03:09:12	12DEC2010 04:51:46	0	0	0	0	0
3	MIP_NL__0PNPDE20101212_045113_000060273097_00220_45924_2483.N1	12DEC2010 04:51:13	12DEC2010 06:31:40	0	0	0	0	0
4	MIP_NL__0PNPDK20101212_063106_000040633097_00221_45925_3543.N1	12DEC2010 06:31:06	12DEC2010 07:38:49	0	0	0	0	0
5	MIP_NL__0PNPDK20101212_073732_000061553097_00222_45926_3544.N1	12DEC2010 07:37:32	12DEC2010 09:20:07	0	0	0	0	0
6	MIP_NL__0PNPDK20101212_091837_000059483097_00223_45927_3545.N1	12DEC2010 09:18:37	12DEC2010 10:57:45	0	0	0	0	0
7	MIP_NL__0PNPDK20101212_105622_000060983097_00224_45928_3546.N1	12DEC2010 10:56:22	12DEC2010 12:38:00	0	0	0	0	0
8	MIP_NL__0PNPDK20101212_123630_000059643097_00225_45929_3547.N1	12DEC2010 12:36:30	12DEC2010 14:15:54	0	0	0	0	0
9	MIP_NL__0PNPDK20101212_141502_000059353097_00226_45930_3548.N1	12DEC2010 14:15:02	12DEC2010 15:53:57	0	0	0	0	0
10	MIP_NL__0PNPDK20101212_155323_000026893097_00227_45931_3549.N1	12DEC2010 15:53:23	12DEC2010 16:38:12	0	0	0	0	0
11	MIP_NL__0PNPDK20101212_191514_000055523097_00229_45933_3550.N1	12DEC2010 19:15:14	12DEC2010 20:47:46	0	0	0	0	0
12	MIP_NL__0PNPDE20101212_204556_000044813097_00230_45934_2484.N1	12DEC2010 20:45:56	12DEC2010 22:00:37	0	0	0	0	0
13	MIP_NL__0PNPDE20101212_215945_000060773097_00230_45934_2485.N1	12DEC2010 21:59:45	12DEC2010 23:41:02	0	0	0	0	0
14	MIP_NL__0PNPDE20101212_234007_000060463097_00231_45935_2486.N1	12DEC2010 23:40:07	13DEC2010 01:20:53	0	0	0	0	0

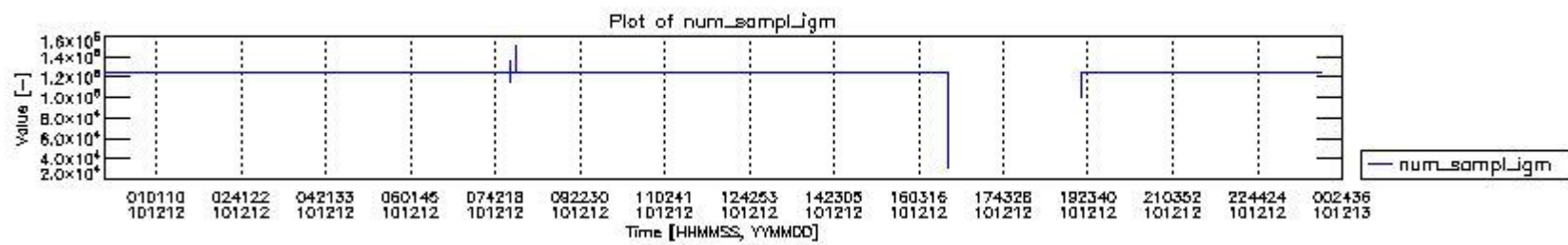
0.2 Instrument Operational Performance Parameters

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.

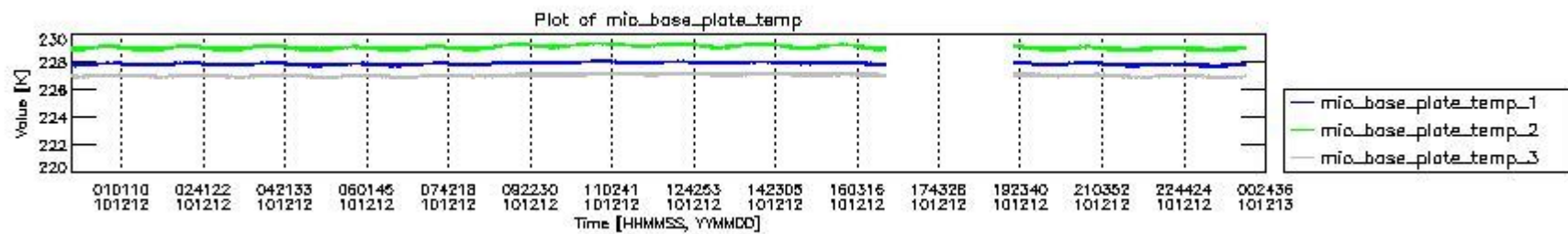
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
31376	1	0.0026959991
99442	1	0.0026959991
115339	1	0.0026959991

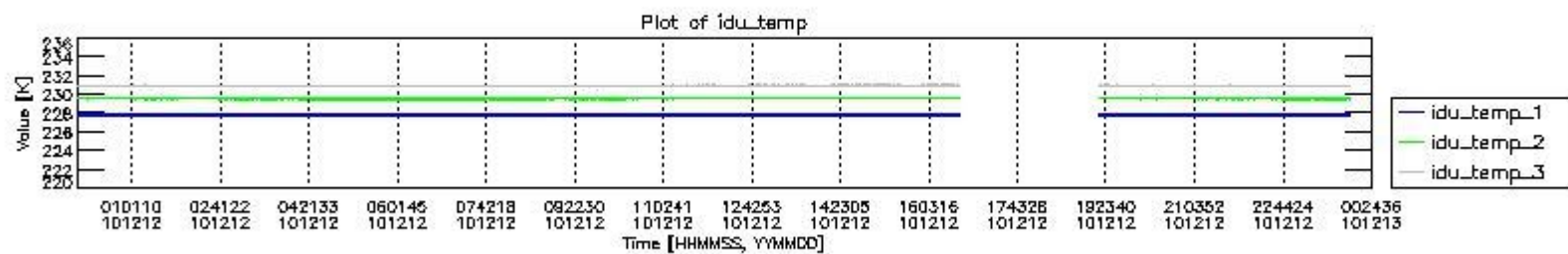
124588	1	0.0026959991
124694	1	0.0026959991
124800	34457	92.896042
124803	2625	7.0769977
126010	1	0.0026959991
127233	1	0.0026959991
135471	1	0.0026959991
147365	1	0.0026959991
149798	1	0.0026959991



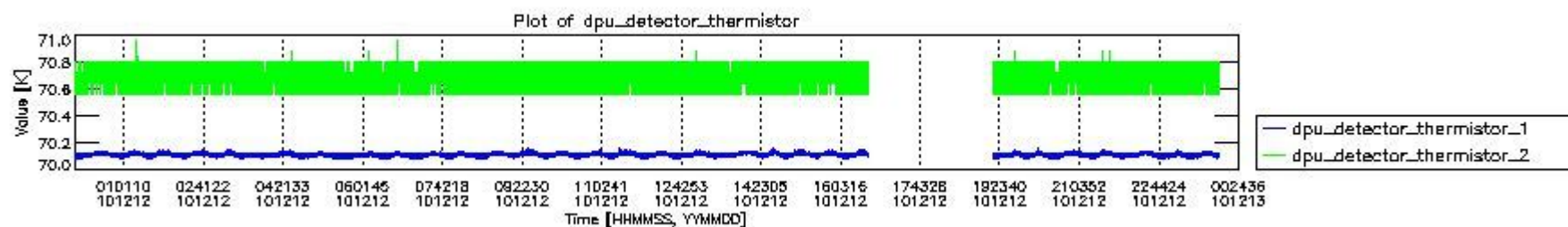
mipas_daily_report_level0_KSPT_L0_4504_N_20101212_0.PNG



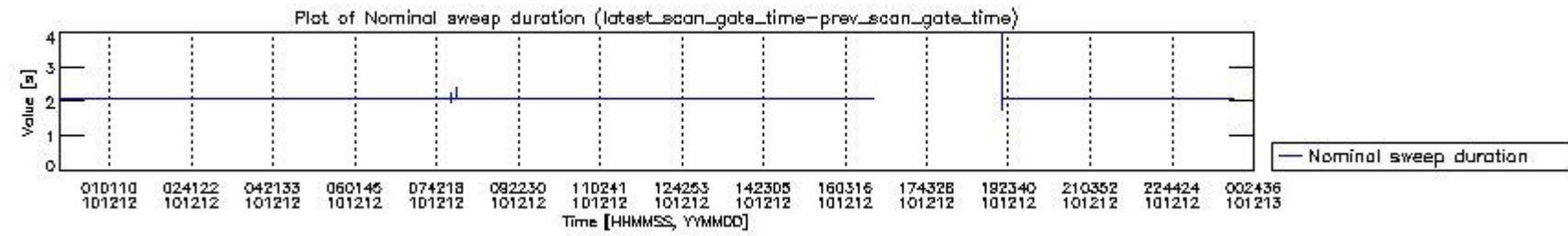
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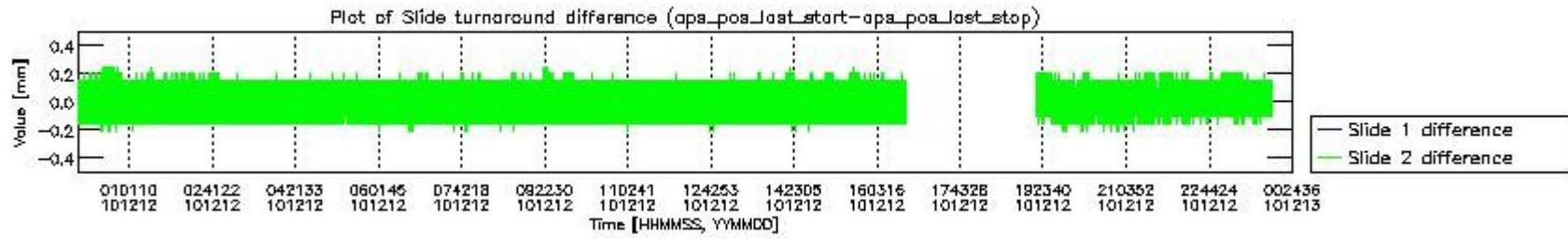
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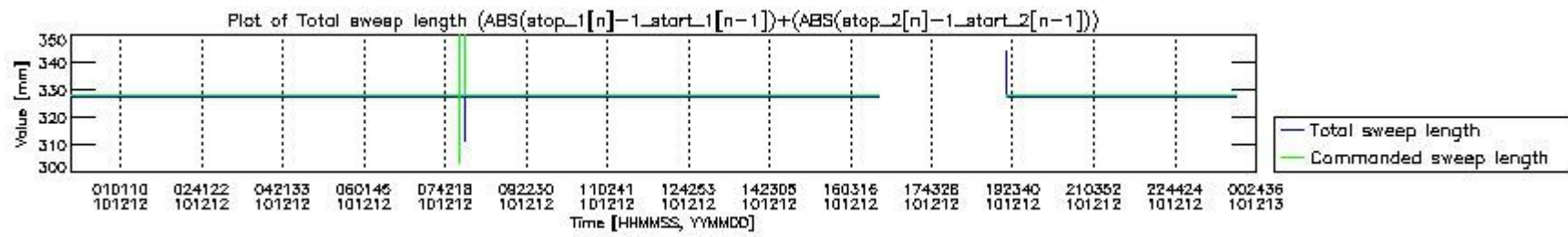
mipas_daily_report_level0_KSPT_L0_4504_N_20101212_3.PNG



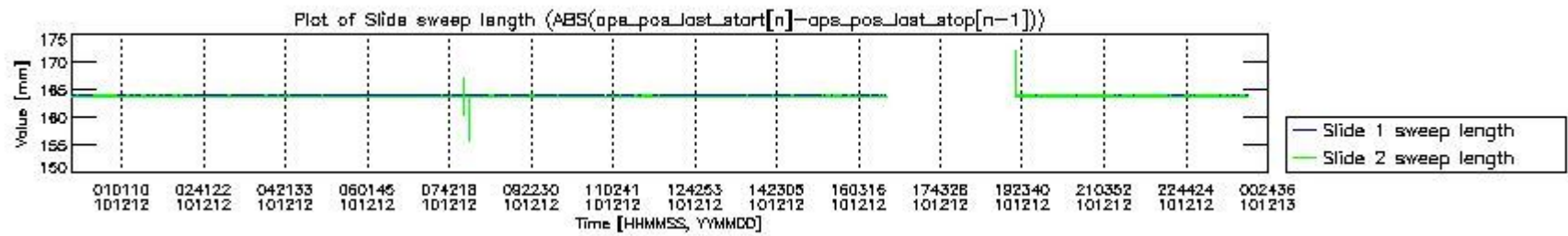
mipas_daily_report_level0_KSPT_L0_4504_N_20101212_4.PNG



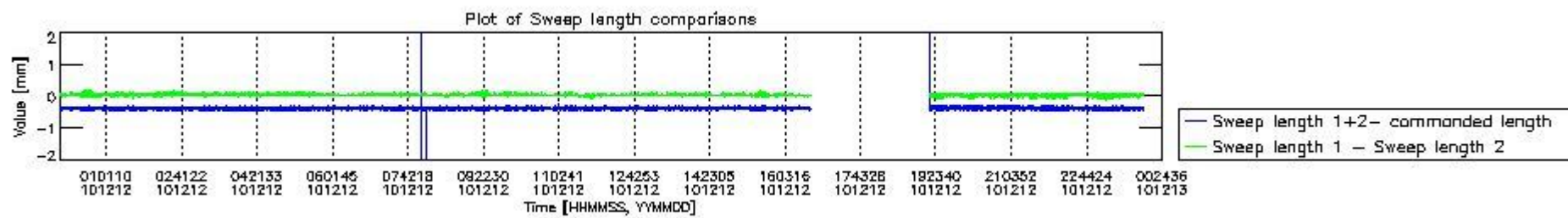
mipas_daily_report_level0_KSPT_L0_4504_N_20101212_5.PNG



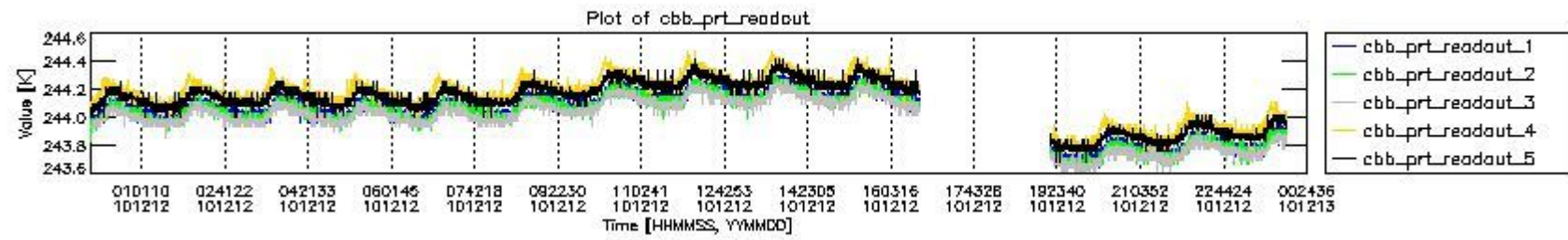
mipas_daily_report_level0_KSPT_L0_4504_N_20101212_6.PNG



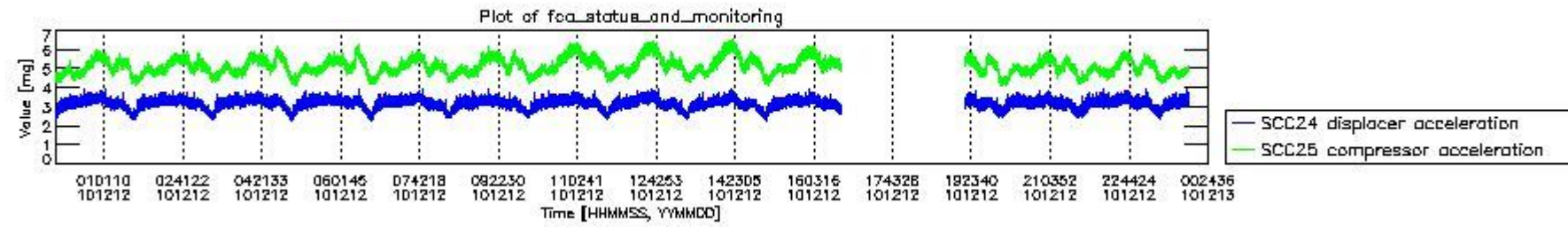
mipas_daily_report_level0_KSPT_L0_4504_N_20101212_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101212_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101212_9.PNG

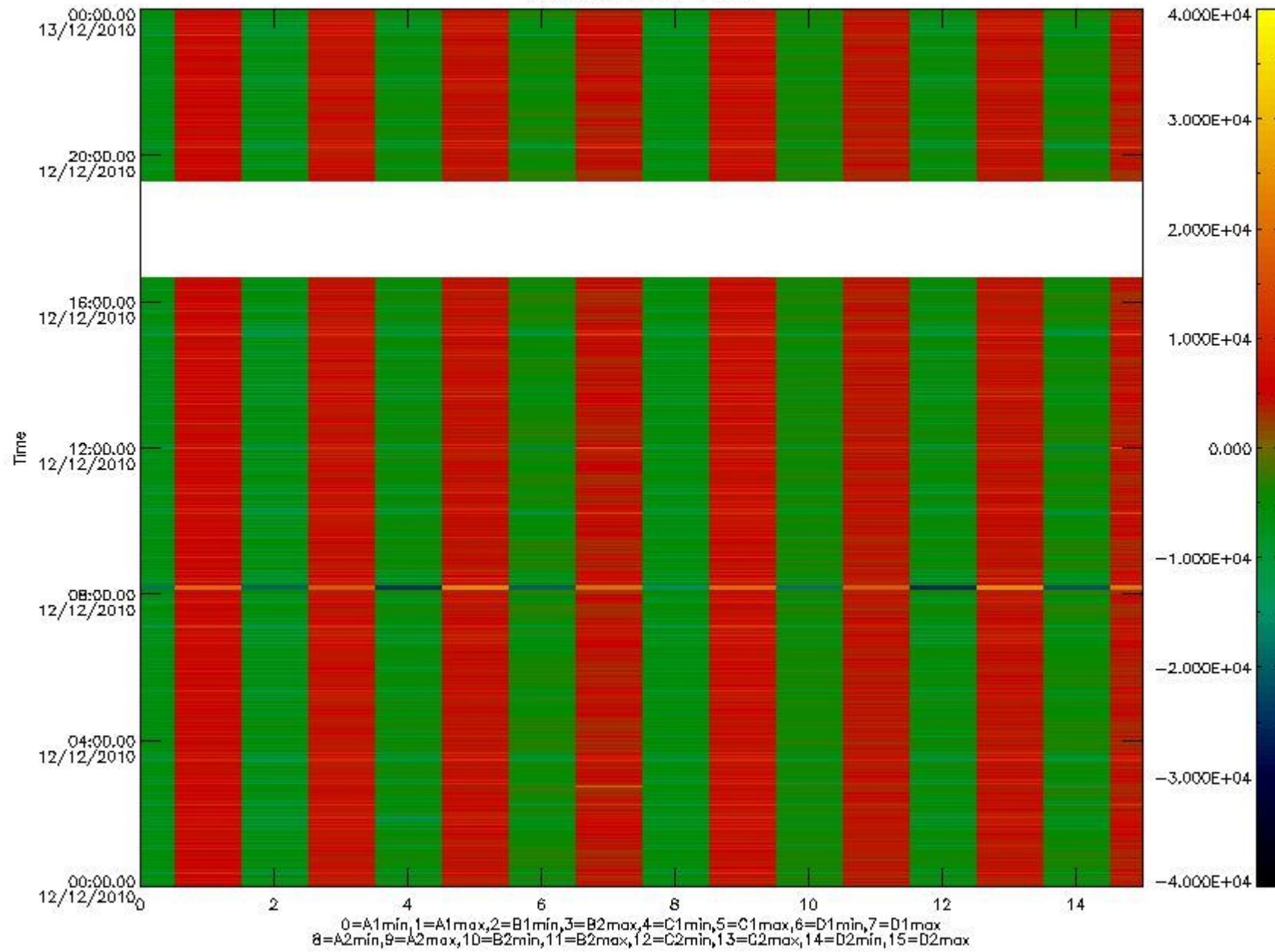


mipas_daily_report_level0_KSPT_L0_4504_N_20101212_10.PNG

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

Channel	Min	Max	ADC
A1	-18340	19514	16bit
B1	-20243	17438	16bit
C1	-24414	24300	16bit
D1	-32768	32767	16bit
A2	-15845	19611	16bit
B2	-18355	17963	16bit
C2	-25451	25195	16bit
D2	-32768	32767	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20101212_11.PNG

0.3 ADF monitoring

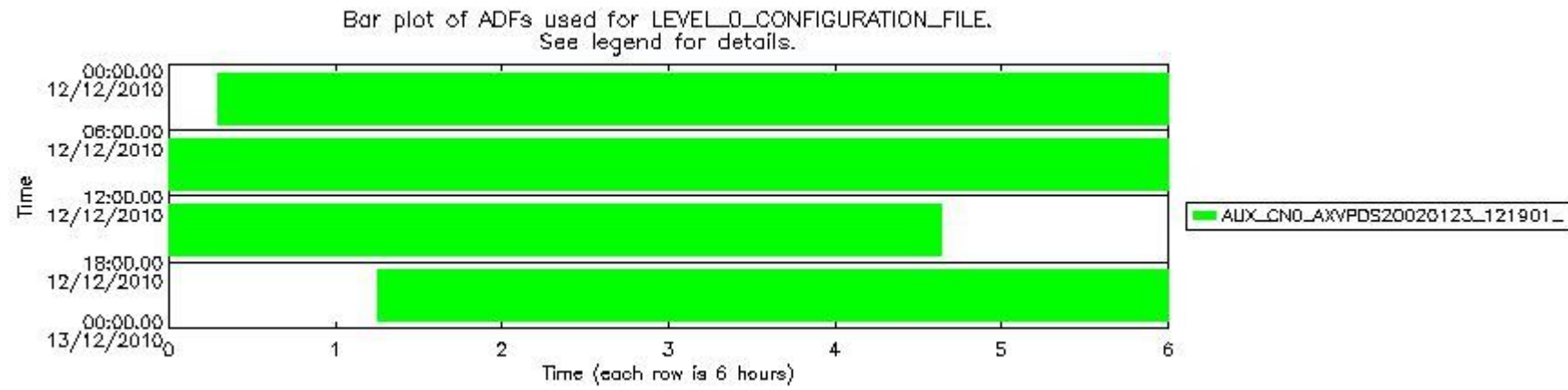
The use of ADFs is shown in two ways:

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.

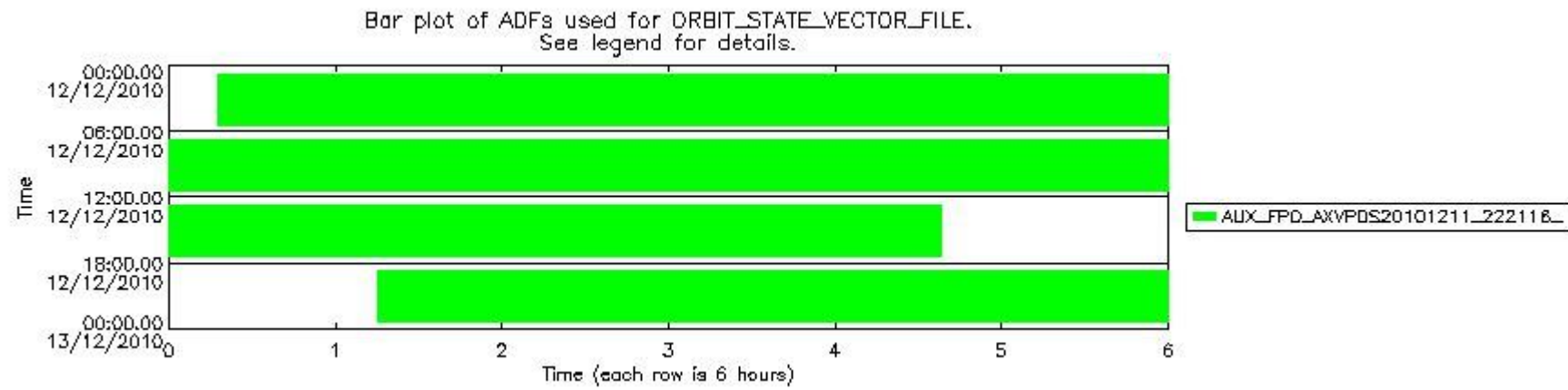
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101211_222116_20101211_192831_20101221_200211

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20101212_001722_000058873097_00217_45921_2480.N1	0	1

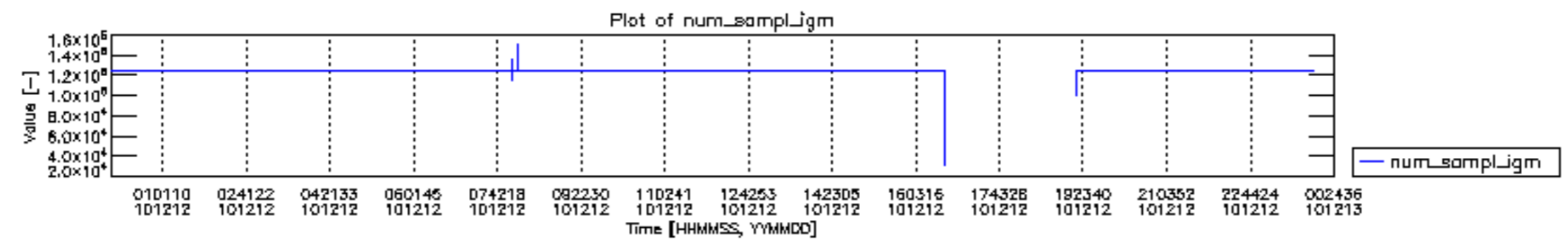
1	MIP_NL__0PNPDE20101212_015433_000045123097_00218_45922_2481.N1	0	1
2	MIP_NL__0PNPDE20101212_030912_000061543097_00219_45923_2482.N1	0	1
3	MIP_NL__0PNPDE20101212_045113_000060273097_00220_45924_2483.N1	0	1
4	MIP_NL__0PNPDK20101212_063106_000040633097_00221_45925_3543.N1	0	1
5	MIP_NL__0PNPDK20101212_073732_000061553097_00222_45926_3544.N1	0	1
6	MIP_NL__0PNPDK20101212_091837_000059483097_00223_45927_3545.N1	0	1
7	MIP_NL__0PNPDK20101212_105622_000060983097_00224_45928_3546.N1	0	1
8	MIP_NL__0PNPDK20101212_123630_000059643097_00225_45929_3547.N1	0	1
9	MIP_NL__0PNPDK20101212_141502_000059353097_00226_45930_3548.N1	0	1
10	MIP_NL__0PNPDK20101212_155323_000026893097_00227_45931_3549.N1	0	1
11	MIP_NL__0PNPDK20101212_191514_000055523097_00229_45933_3550.N1	0	1
12	MIP_NL__0PNPDE20101212_204556_000044813097_00230_45934_2484.N1	0	1
13	MIP_NL__0PNPDE20101212_215945_000060773097_00230_45934_2485.N1	0	1
14	MIP_NL__0PNPDE20101212_234007_000060463097_00231_45935_2486.N1	0	1

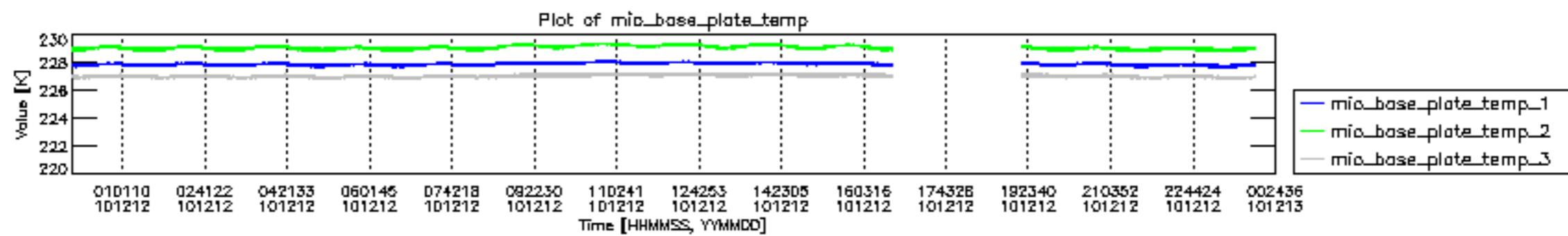


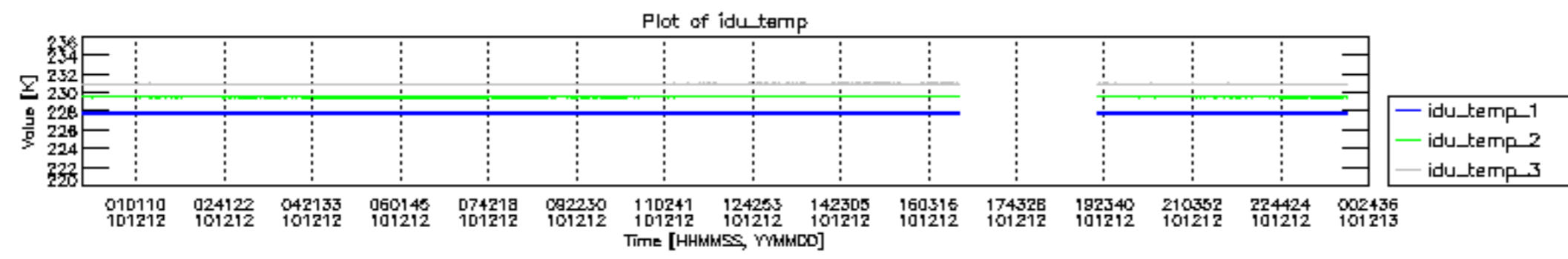
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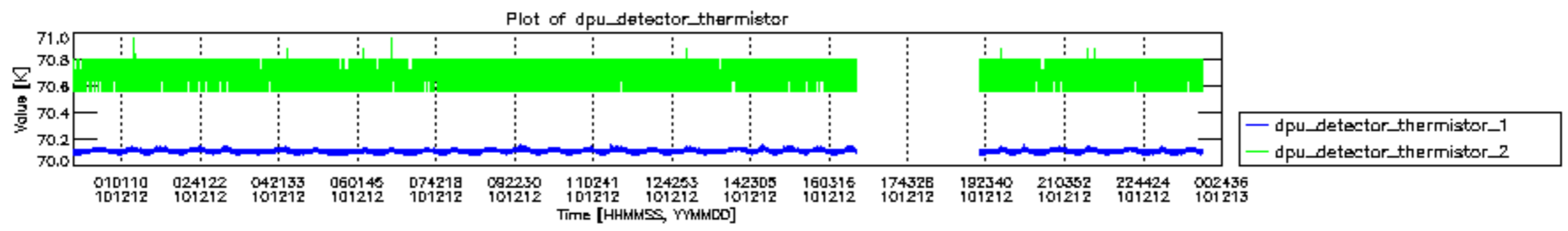


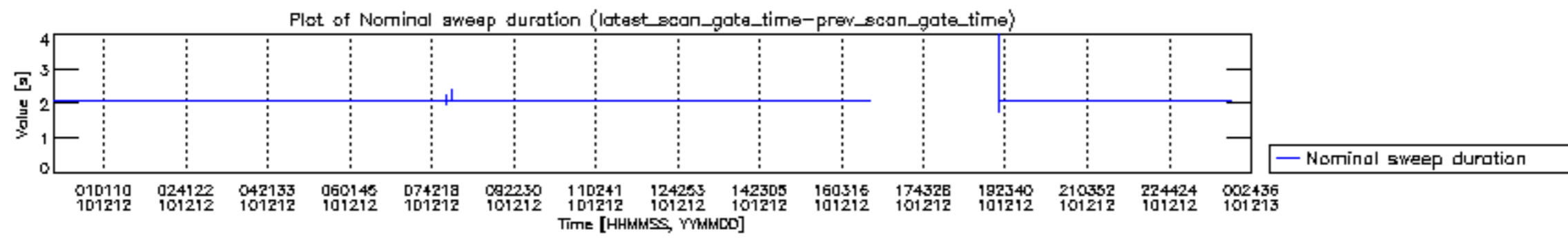
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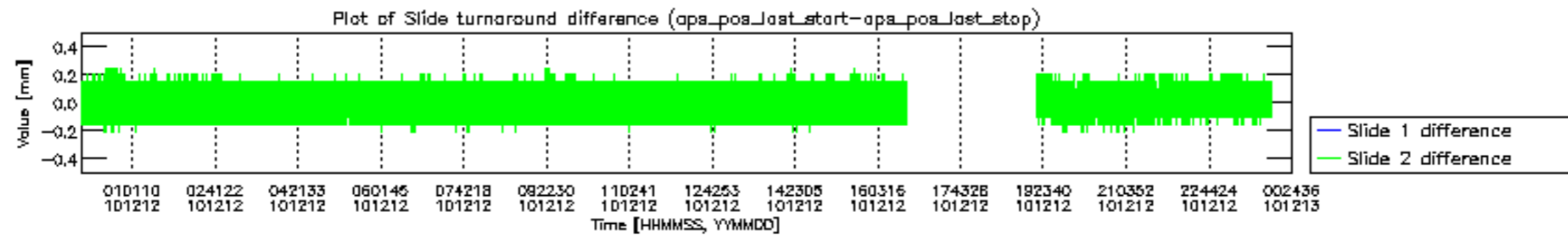


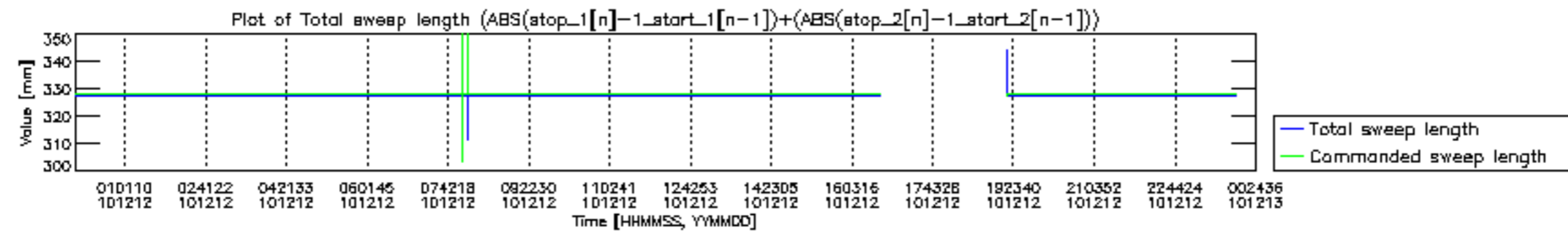


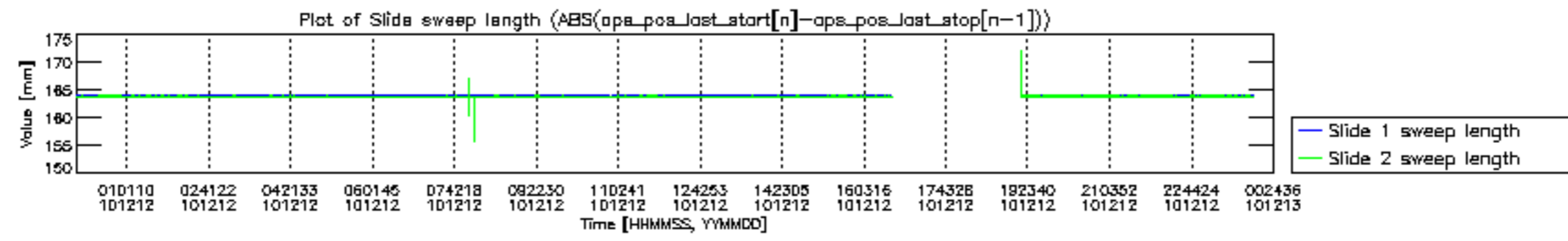


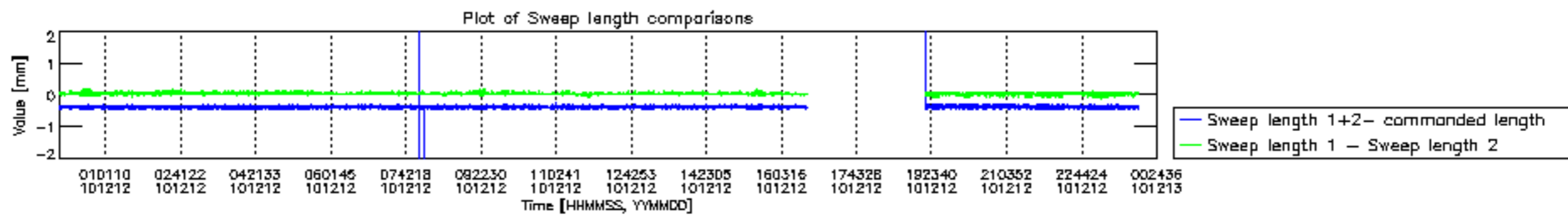


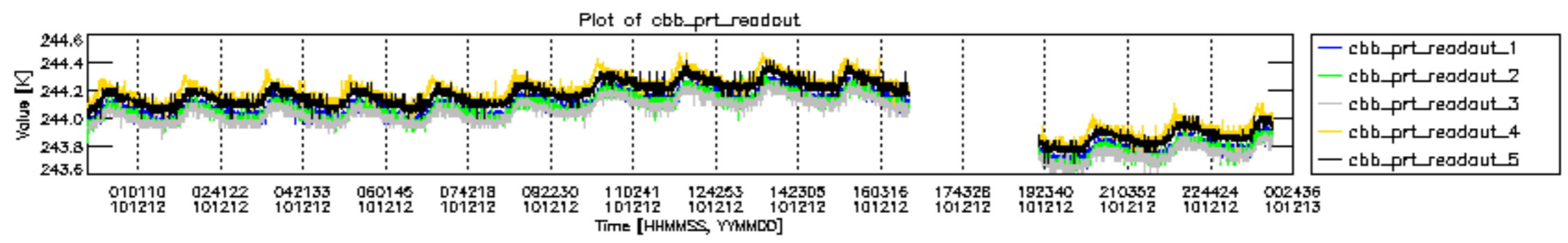


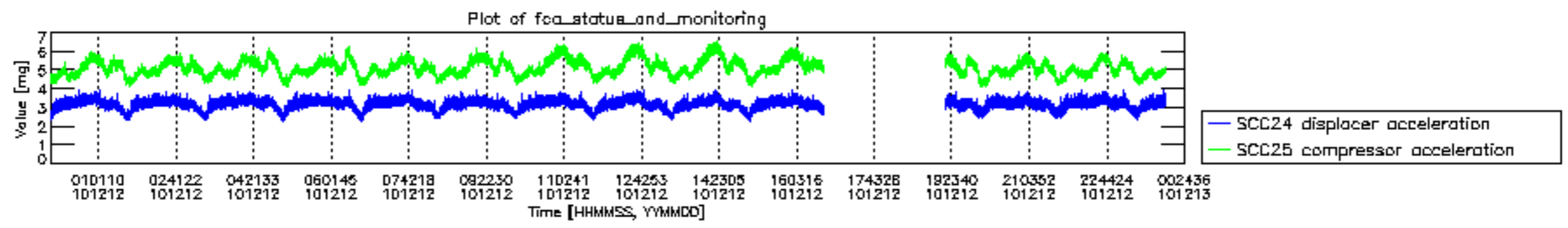












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

