

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	14DEC2010 05:25:08
Data source version	KSPT_L0/4504-N
Processing scope for products	09DEC2010 00:00:00 to 10DEC2010 00:00:00
Start time of first product within scope	09DEC2010 00:25:27
Stop time of last product within scope	10DEC2010 01:30:12
Total number of level 0 products	16
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__0PNPDE20101209_002527_000059693097_00174_45878_2461.N1	09DEC2010 00:25:27	09DEC2010 02:04:55	0	0	0	0	0
1	MIP_NL__0PNPDE20101209_020344_000045253097_00175_45879_2462.N1	09DEC2010 02:03:44	09DEC2010 03:19:09	0	0	0	0	0
2	MIP_NL__0PNPDE20101209_031828_000061633097_00176_45880_2463.N1	09DEC2010 03:18:28	09DEC2010 05:01:11	0	0	0	0	0
3	MIP_NL__0PNPDE20101209_050035_000060273097_00177_45881_2464.N1	09DEC2010 05:00:35	09DEC2010 06:41:02	0	0	0	0	0
4	MIP_NL__0PNPDK20101209_064029_000041093097_00178_45882_3500.N1	09DEC2010 06:40:29	09DEC2010 07:48:58	0	0	0	0	0
5	MIP_NL__0PNPDK20101209_074802_000061563097_00179_45883_3501.N1	09DEC2010 07:48:02	09DEC2010 09:30:38	0	0	0	0	0
6	MIP_NL__0PNPDK20101209_092910_000059483097_00180_45884_3502.N1	09DEC2010 09:29:10	09DEC2010 11:08:17	0	0	0	0	0
7	MIP_NL__0PNPDK20101209_110639_000059983097_00181_45885_3503.N1	09DEC2010 11:06:39	09DEC2010 12:46:37	0	0	0	0	0
8	MIP_NL__0PNPDK20101209_124539_000060563097_00182_45886_3504.N1	09DEC2010 12:45:39	09DEC2010 14:26:35	0	0	0	0	0
9	MIP_NL__0PNPDK20101209_142536_000058643097_00183_45887_3505.N1	09DEC2010 14:25:36	09DEC2010 16:03:21	0	0	0	0	0
10	MIP_NL__0PNPDK20101209_160201_000059623097_00184_45888_3506.N1	09DEC2010 16:02:01	09DEC2010 17:41:23	0	0	0	0	0
11	MIP_NL__0PNPDK20101209_173939_000060083097_00185_45889_3507.N1	09DEC2010 17:39:39	09DEC2010 19:19:47	0	0	0	0	0
12	MIP_NL__0PNPDK20101209_191748_000061503097_00186_45890_3508.N1	09DEC2010 19:17:48	09DEC2010 21:00:18	0	0	0	0	0
13	MIP_NL__0PNPDE20101209_205823_000043393097_00187_45891_2465.N1	09DEC2010 20:58:23	09DEC2010 22:10:42	0	0	0	0	0
14	MIP_NL__0PNPDE20101209_220946_000061443097_00187_45891_2466.N1	09DEC2010 22:09:46	09DEC2010 23:52:10	0	0	0	0	0
15	MIP_NL__0PNPDE20101209_235103_000059483097_00188_45892_2467.N1	09DEC2010 23:51:03	10DEC2010 01:30:12	0	0	0	0	0

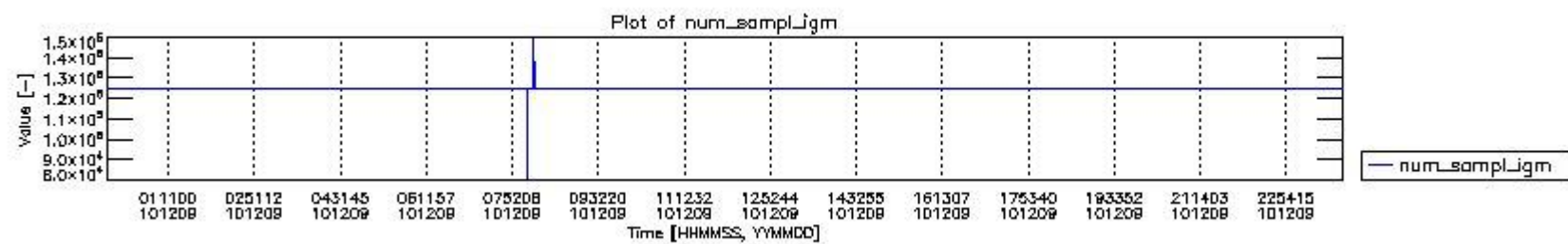
0.2 Instrument Operational Performance Parameters

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.

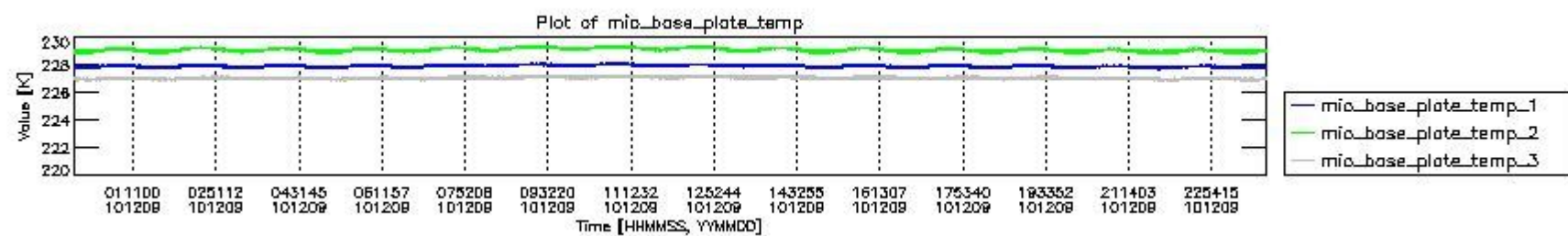
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
80958	1	0.0023987718
92813	1	0.0023987718

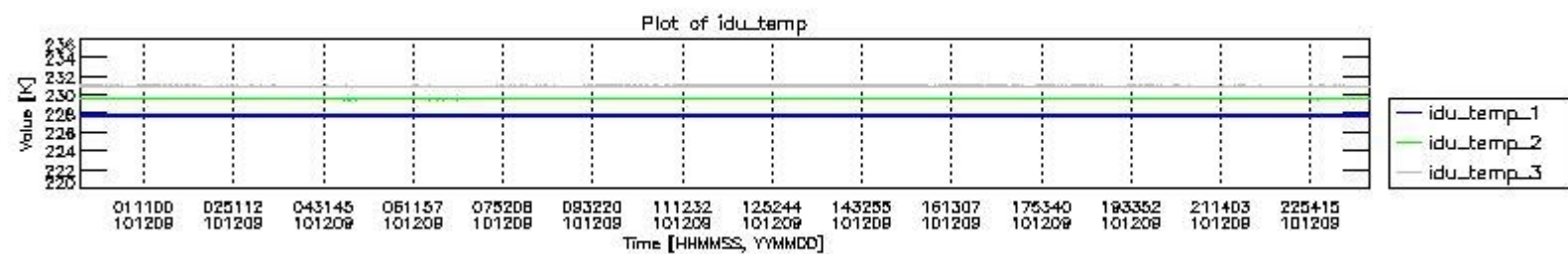
112945	1	0.0023987718
124800	38718	92.875648
124803	2964	7.1099597
127085	1	0.0023987718
147217	1	0.0023987718
149502	1	0.0023987718



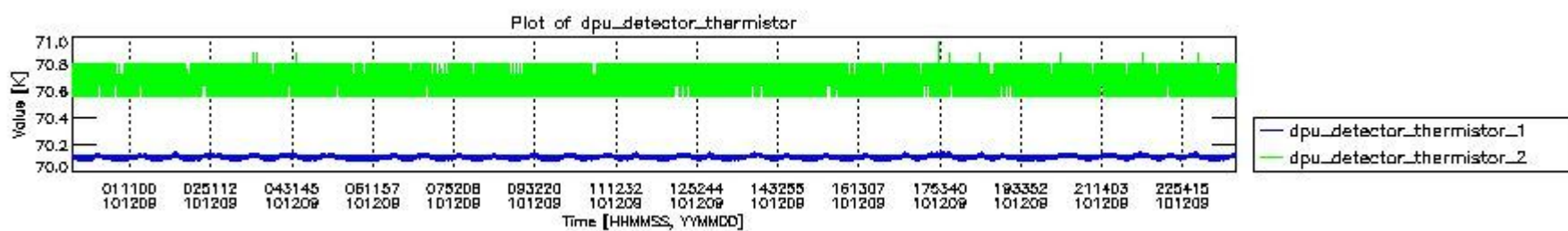
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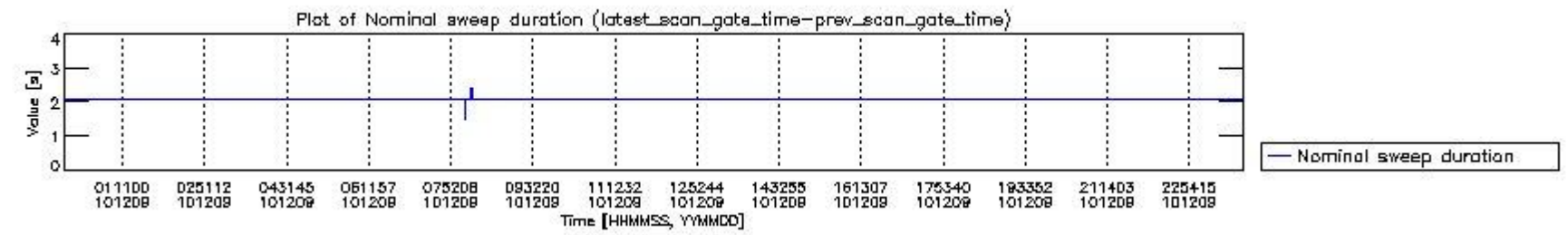
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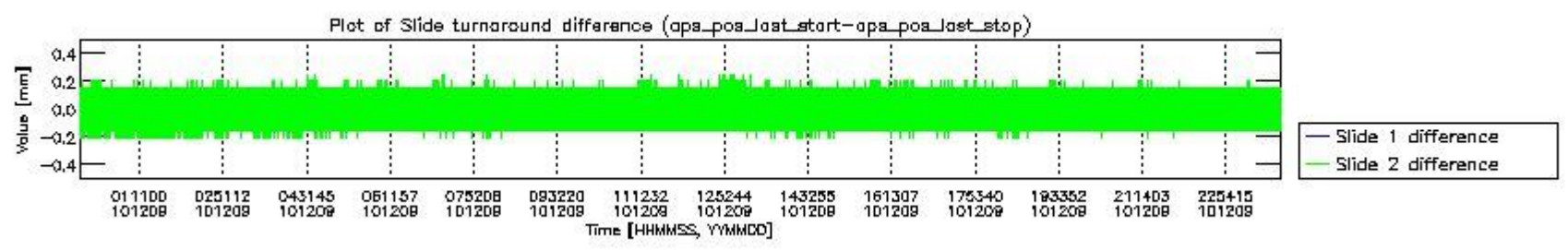
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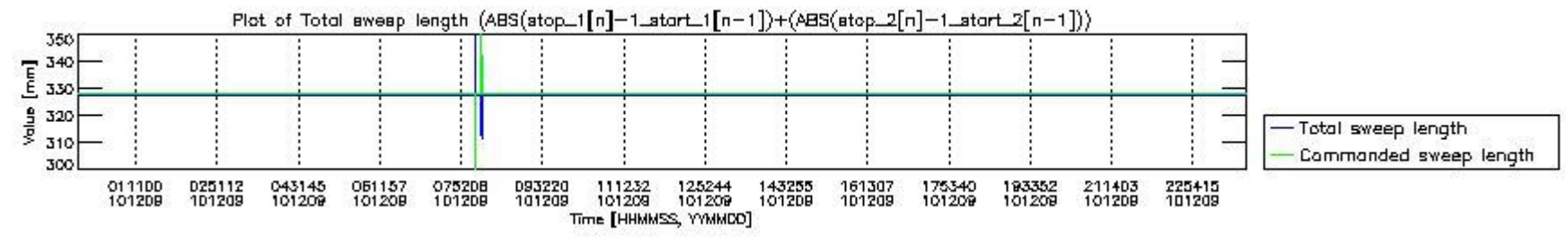
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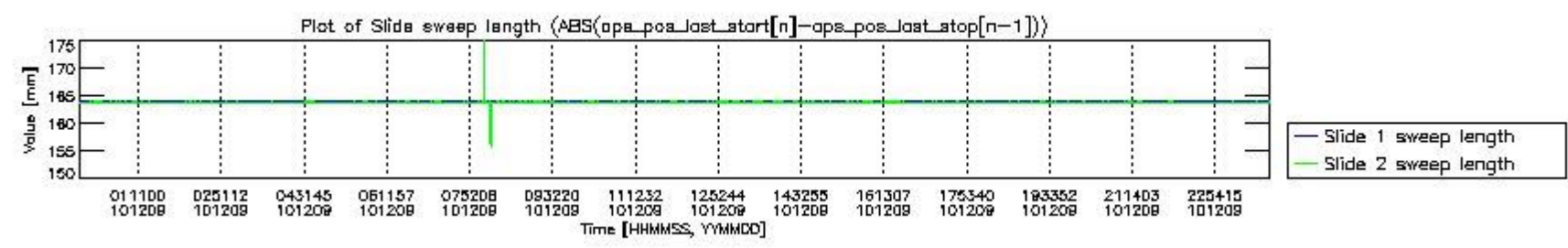
mipas_daily_report_level0_KSPT_L0_4504_N_20101209_4.PNG



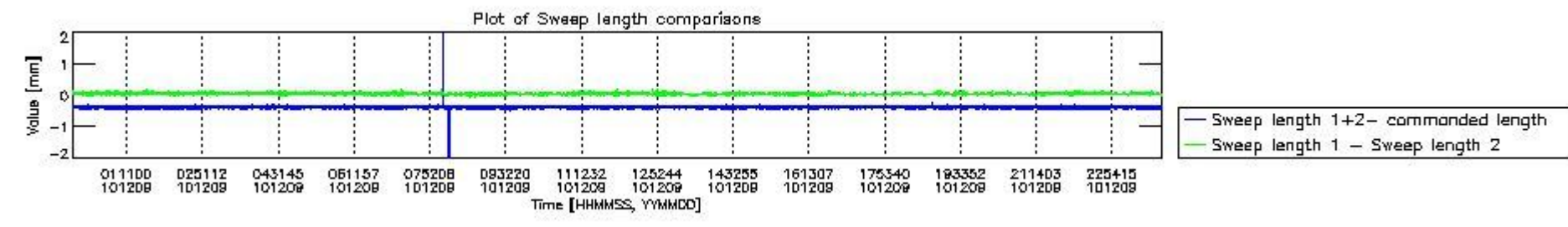
mipas_daily_report_level0_KSPT_L0_4504_N_20101209_5.PNG



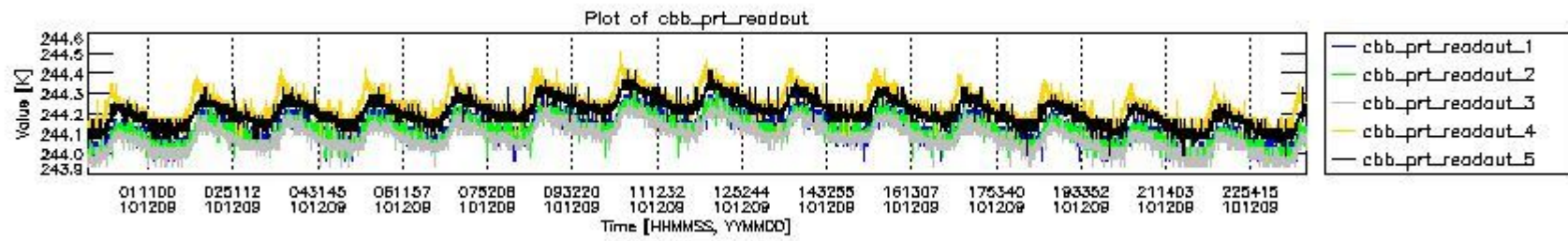
mipas_daily_report_level0_KSPT_L0_4504_N_20101209_6.PNG



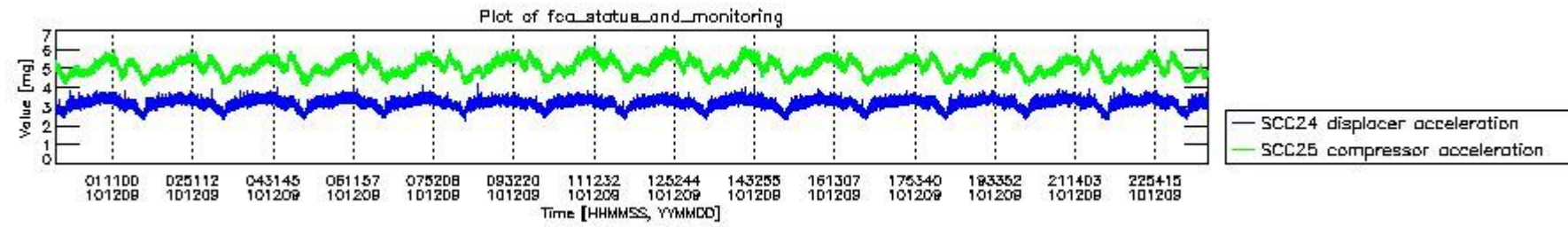
mipas_daily_report_level0_KSPT_L0_4504_N_20101209_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101209_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101209_9.PNG

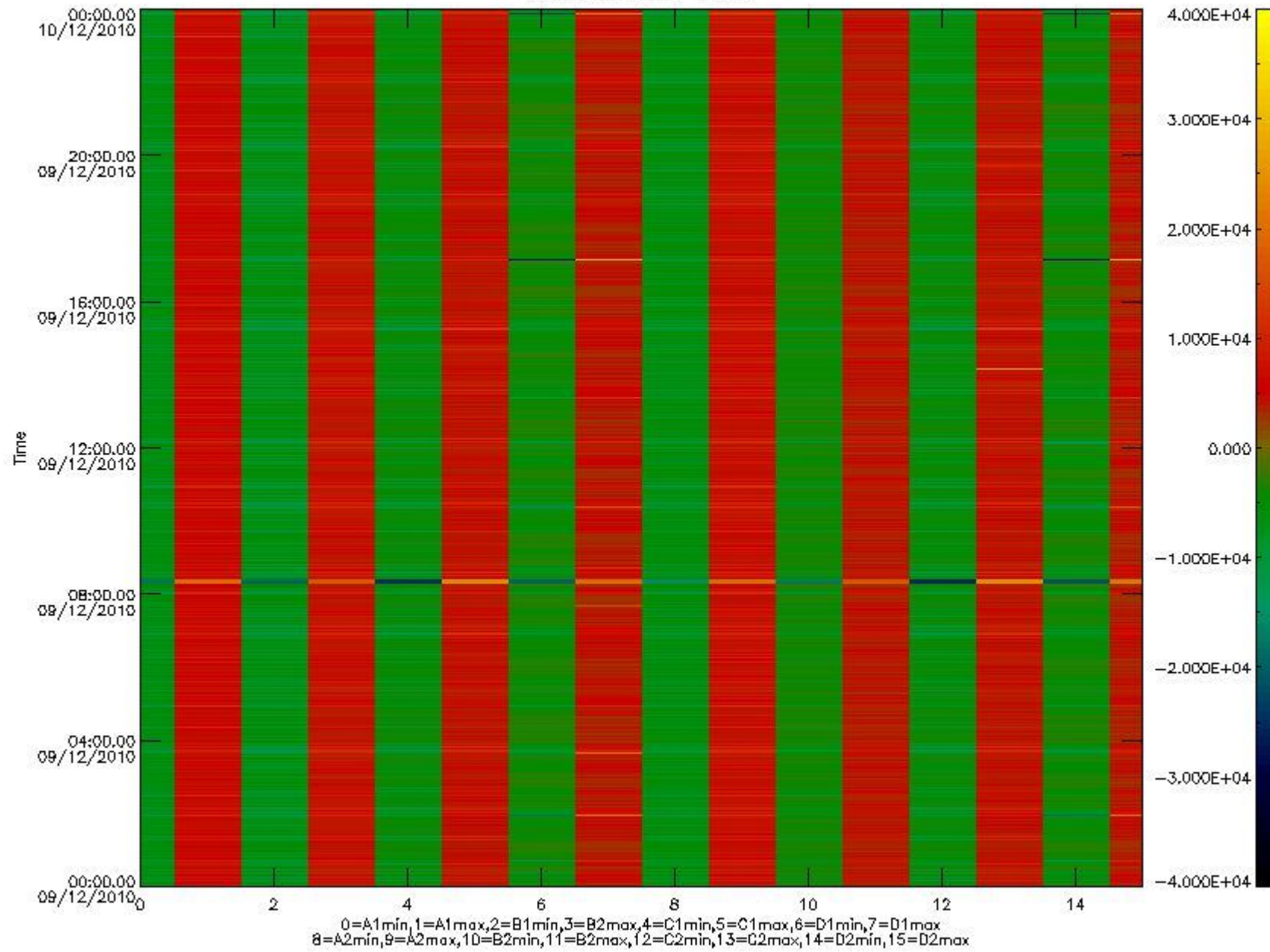


mipas_daily_report_level0_KSPT_L0_4504_N_20101209_10.PNG

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

Channel	Min	Max	ADC
A1	-18369	19526	16bit
B1	-20288	17470	16bit
C1	-24484	24376	16bit
D1	-32768	32767	16bit
A2	-15880	19660	16bit
B2	-18397	17997	16bit
C2	-25468	25411	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_20101209_11.PNG

0.3 ADF monitoring

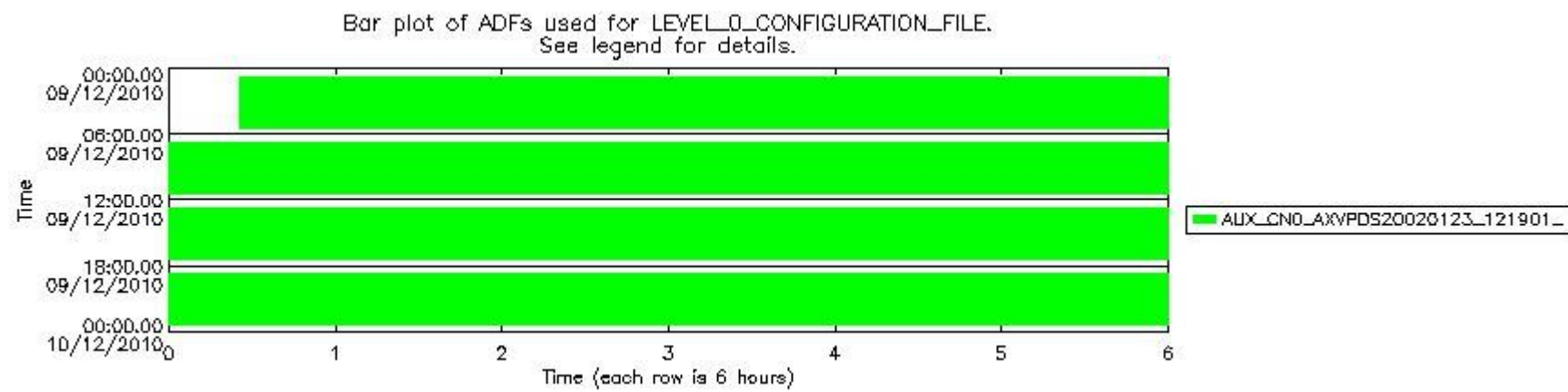
The use of ADFs is shown in two ways:

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.

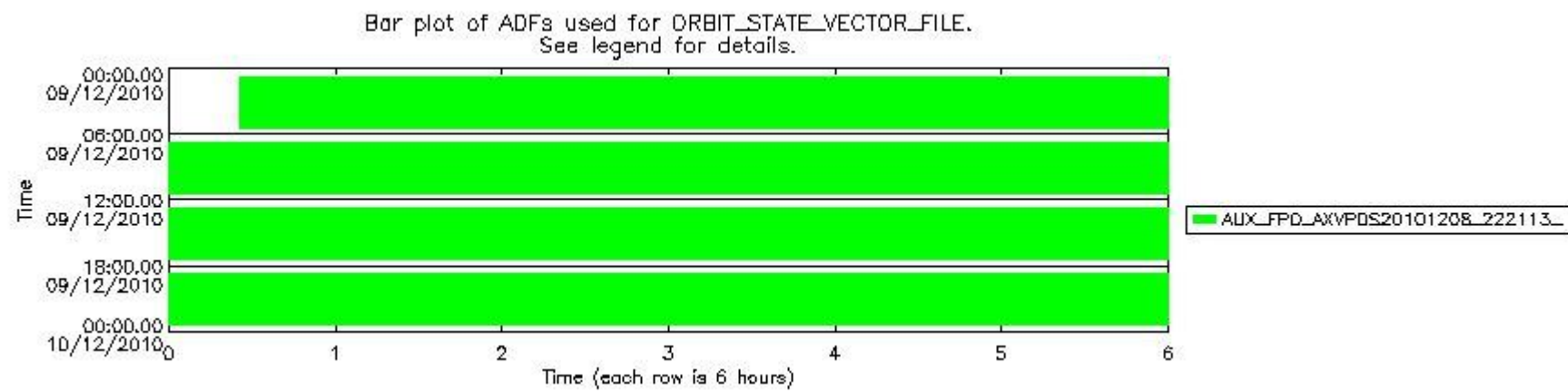
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101208_222113_20101208_193828_20101218_201208

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20101209_002527_000059693097_00174_45878_2461.N1	0	1

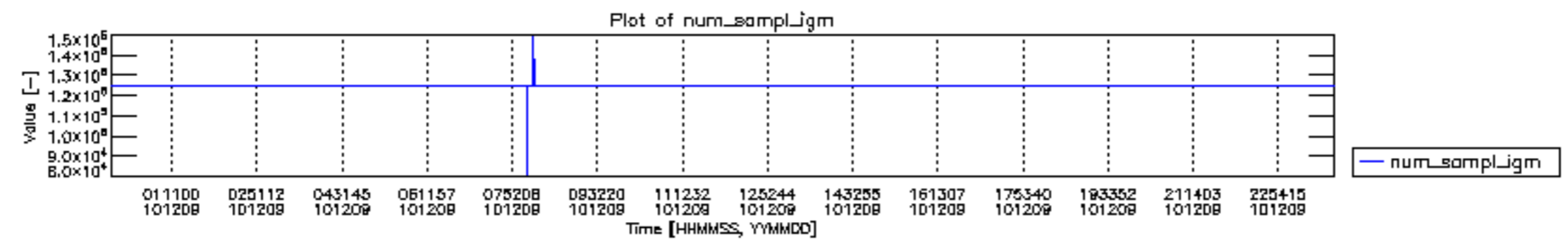
1	MIP_NL__0PNPDE20101209_020344_000045253097_00175_45879_2462.N1	0	1
2	MIP_NL__0PNPDE20101209_031828_000061633097_00176_45880_2463.N1	0	1
3	MIP_NL__0PNPDE20101209_050035_000060273097_00177_45881_2464.N1	0	1
4	MIP_NL__0PNPDK20101209_064029_000041093097_00178_45882_3500.N1	0	1
5	MIP_NL__0PNPDK20101209_074802_000061563097_00179_45883_3501.N1	0	1
6	MIP_NL__0PNPDK20101209_092910_000059483097_00180_45884_3502.N1	0	1
7	MIP_NL__0PNPDK20101209_110639_000059983097_00181_45885_3503.N1	0	1
8	MIP_NL__0PNPDK20101209_124539_000060563097_00182_45886_3504.N1	0	1
9	MIP_NL__0PNPDK20101209_142536_000058643097_00183_45887_3505.N1	0	1
10	MIP_NL__0PNPDK20101209_160201_000059623097_00184_45888_3506.N1	0	1
11	MIP_NL__0PNPDK20101209_173939_000060083097_00185_45889_3507.N1	0	1
12	MIP_NL__0PNPDK20101209_191748_000061503097_00186_45890_3508.N1	0	1
13	MIP_NL__0PNPDE20101209_205823_000043393097_00187_45891_2465.N1	0	1
14	MIP_NL__0PNPDE20101209_220946_000061443097_00187_45891_2466.N1	0	1
15	MIP_NL__0PNPDE20101209_235103_000059483097_00188_45892_2467.N1	0	1

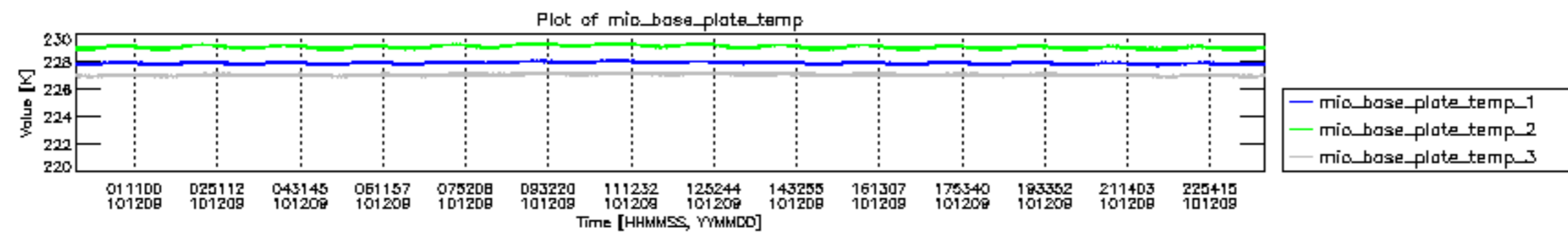


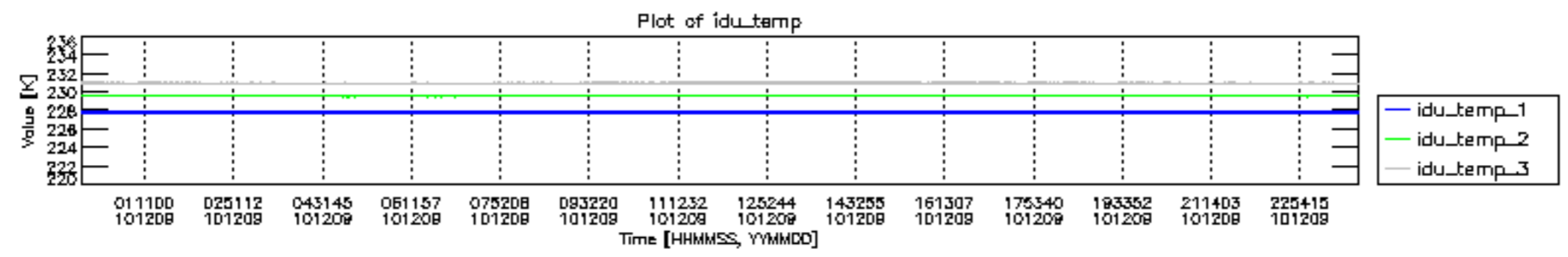
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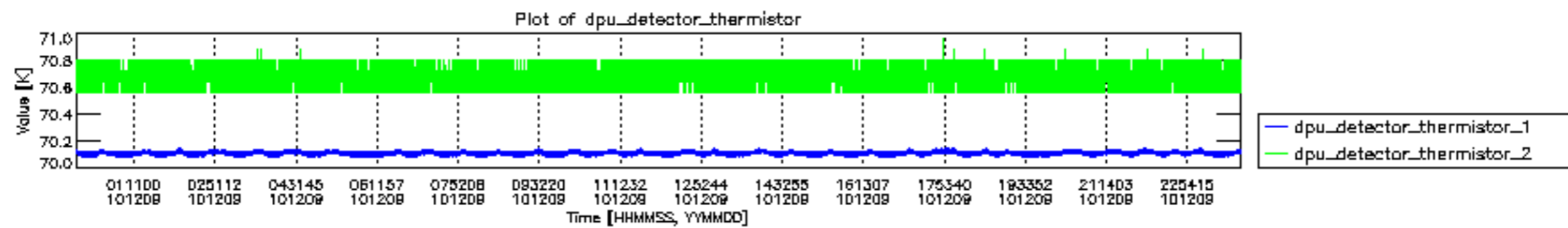


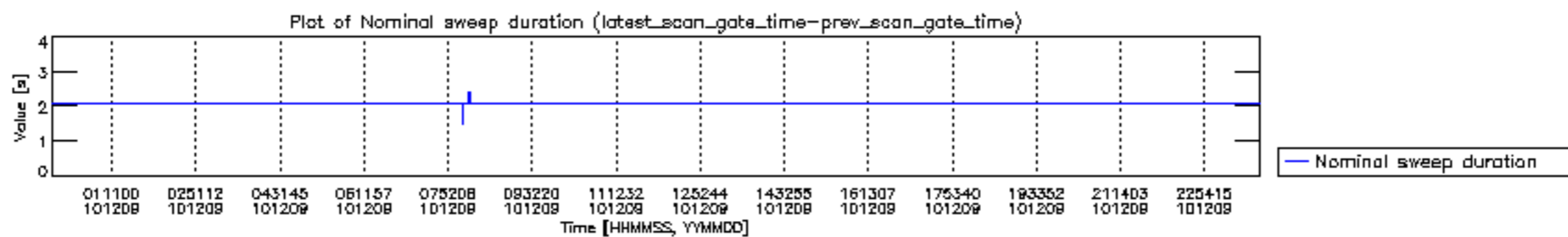
mipas_daily_report_level0_KSPT_L0_4504_N_20101209_13.PNG

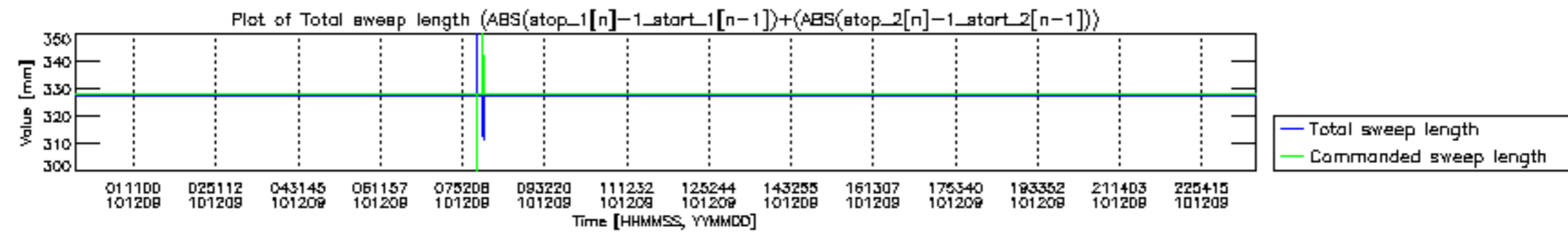


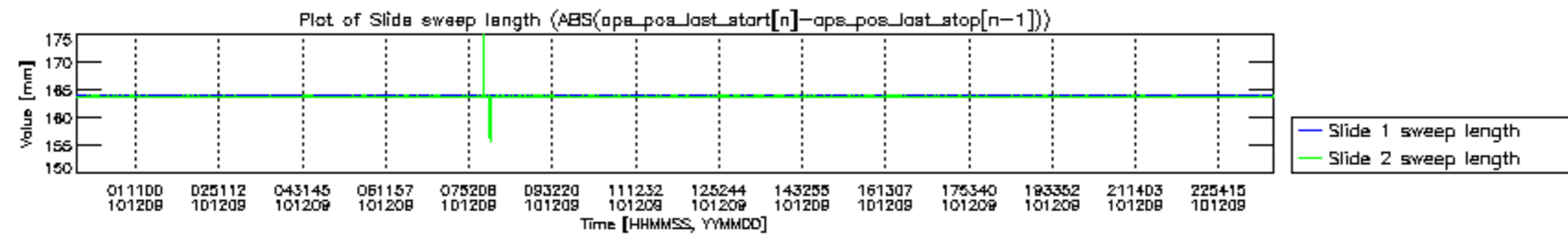


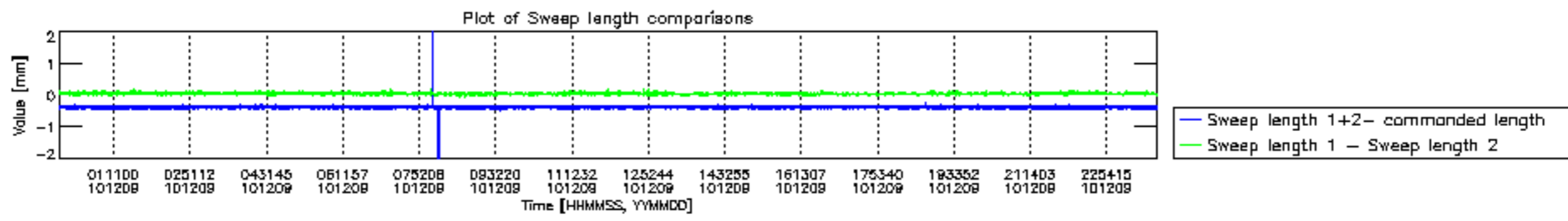


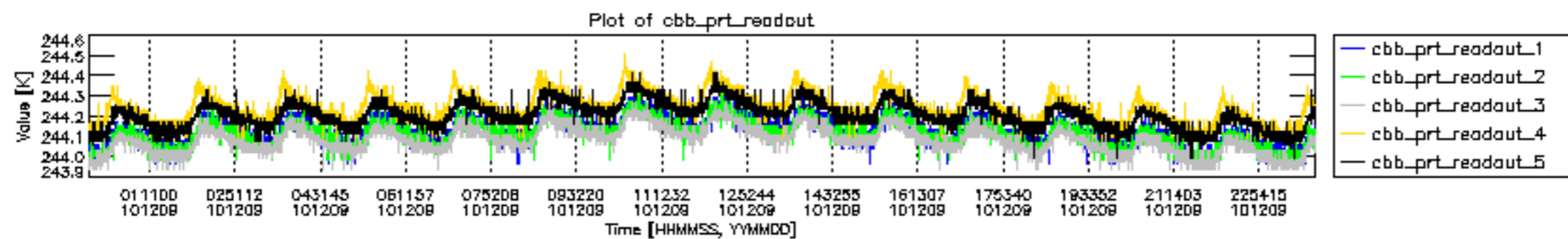


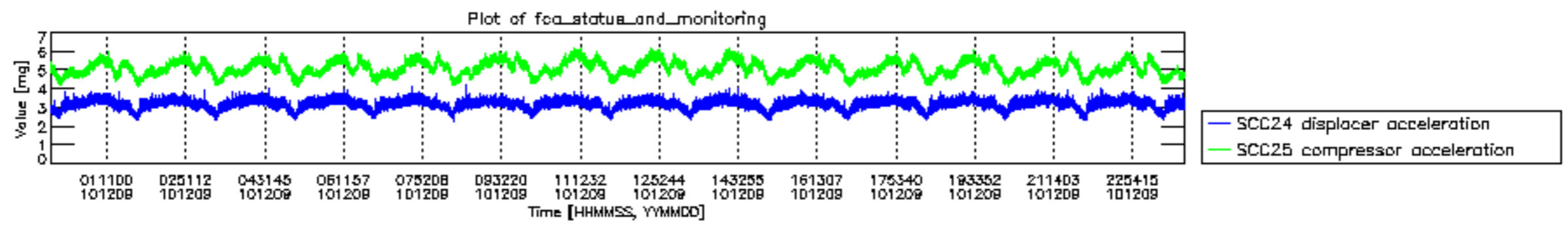












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

