

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	14NOV2011 05:23:58
Data source version	KSPT_L0/4504-N
Processing scope for products	09NOV2011 00:00:00 to 10NOV2011 00:00:00
Start time of first product within scope	09NOV2011 00:49:00
Stop time of last product within scope	10NOV2011 00:12:56
Total number of level 0 products	15
Number of level 0 products with errors	1

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__0PNPDE20111109_004900_000057873108_00246_50691_4793.N1	09NOV2011 00:49:00	09NOV2011 02:25:26	0	0	0	0	0
1	MIP_NL__0PNPDE20111109_022430_000046213108_00247_50692_4794.N1	09NOV2011 02:24:30	09NOV2011 03:41:31	0	0	0	0	0
2	MIP_NL__0PNPDE20111109_034056_000061653108_00248_50693_4795.N1	09NOV2011 03:40:56	09NOV2011 05:23:40	0	0	0	0	0
3	MIP_NL__0PNPDE20111109_052309_000059773108_00249_50694_4796.N1	09NOV2011 05:23:09	09NOV2011 07:02:46	0	0	0	0	0
4	MIP_NL__0PNPDK20111109_070214_000041383108_00250_50695_7474.N1	09NOV2011 07:02:14	09NOV2011 08:11:13	0	0	0	0	0
5	MIP_NL__0PNPDK20111109_081014_000061403108_00251_50696_7475.N1	09NOV2011 08:10:14	09NOV2011 09:52:34	0	0	0	0	0
6	MIP_NL__0PNPDK20111109_095056_000058743108_00252_50697_7477.N1	09NOV2011 09:50:56	09NOV2011 11:28:50	0	0	0	0	0
7	MIP_NL__0PNPDK20111109_112741_000061693108_00253_50698_7478.N1	09NOV2011 11:27:41	09NOV2011 13:10:30	0	0	0	0	0
8	MIP_NL__0PNPDK20111109_130852_000058723108_00254_50699_7479.N1	09NOV2011 13:08:52	09NOV2011 14:46:44	0	0	0	0	0
9	MIP_NL__0PNPDK20111109_144546_000059753108_00255_50700_7480.N1	09NOV2011 14:45:46	09NOV2011 16:25:21	1	1	0	0	0
10	MIP_NL__0PNPDK20111109_162447_000058453108_00256_50701_7481.N1	09NOV2011 16:24:47	09NOV2011 18:02:12	0	0	0	0	0
11	MIP_NL__0PNPDK20111109_180112_000058813108_00257_50702_7482.N1	09NOV2011 18:01:12	09NOV2011 19:39:12	0	0	0	0	0
12	MIP_NL__0PNPDK20111109_193759_000062363108_00258_50703_7483.N1	09NOV2011 19:37:59	09NOV2011 21:21:55	0	0	0	0	0
13	MIP_NL__0PNPDE20111109_212004_000043163108_00259_50704_4797.N1	09NOV2011 21:20:04	09NOV2011 22:32:00	0	0	0	0	0
14	MIP_NL__0PNPDE20111109_223055_000061213108_00259_50704_4798.N1	09NOV2011 22:30:55	10NOV2011 00:12:56	0	0	0	0	0

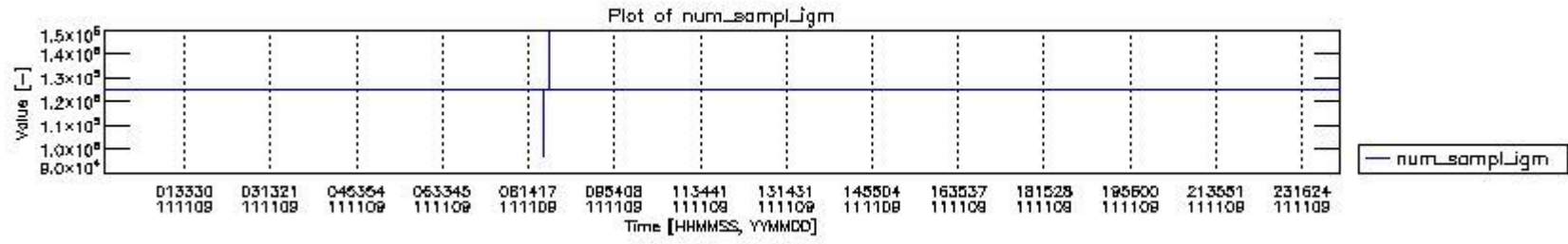
0.2 Instrument Operational Performance Parameters

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.

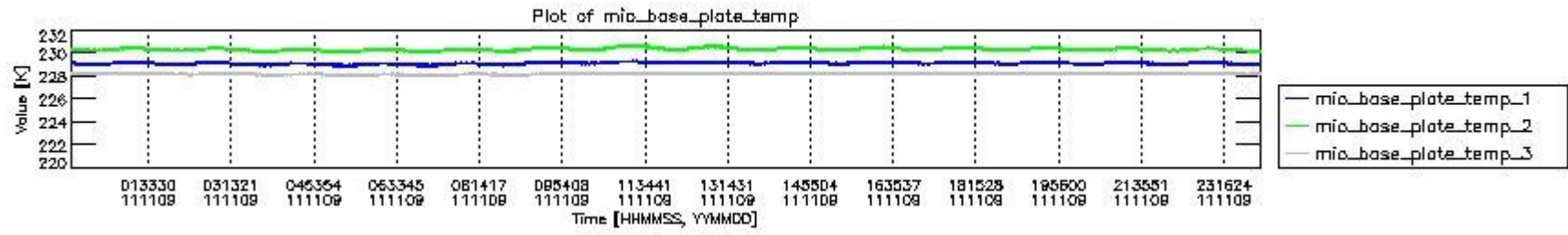
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
97016	1	0.0024019985
100842	1	0.0024019985
120974	1	0.0024019985

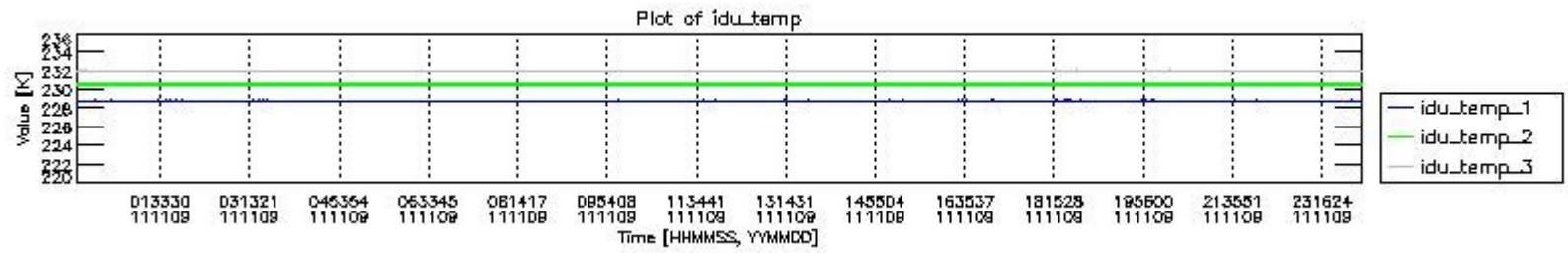
124800	38671	92.887683
124803	2955	7.0979055
126936	1	0.0024019985
147068	1	0.0024019985
149204	1	0.0024019985



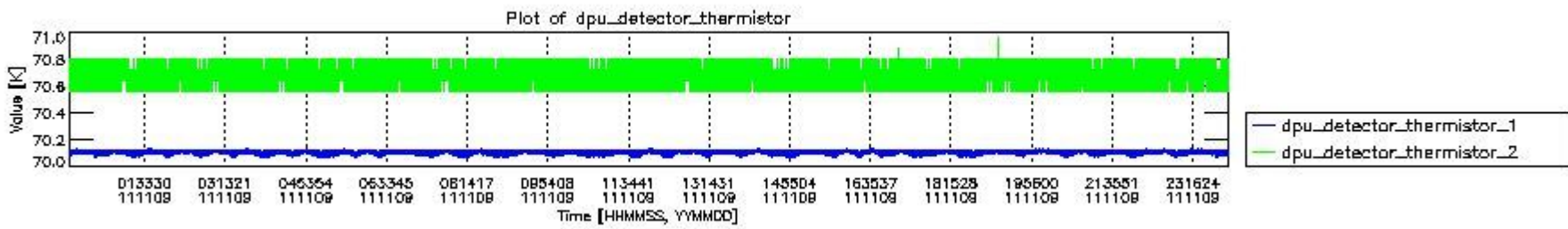
mipas_daily_report_level0_KSPT_L0_4504_N_20111109_0.PNG



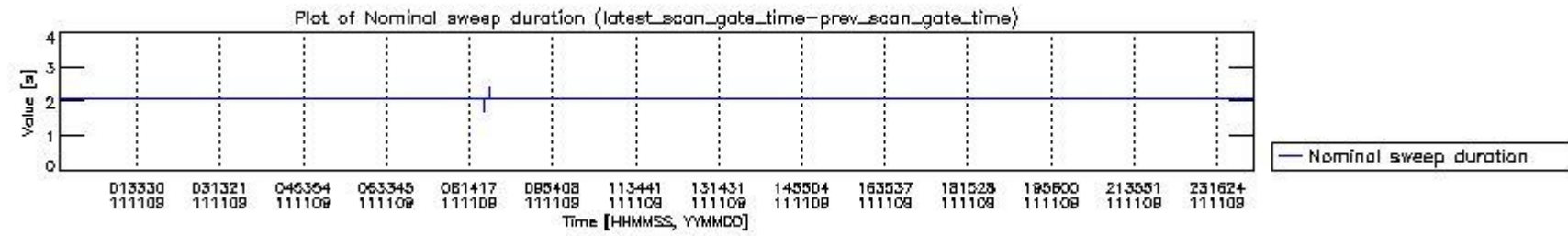
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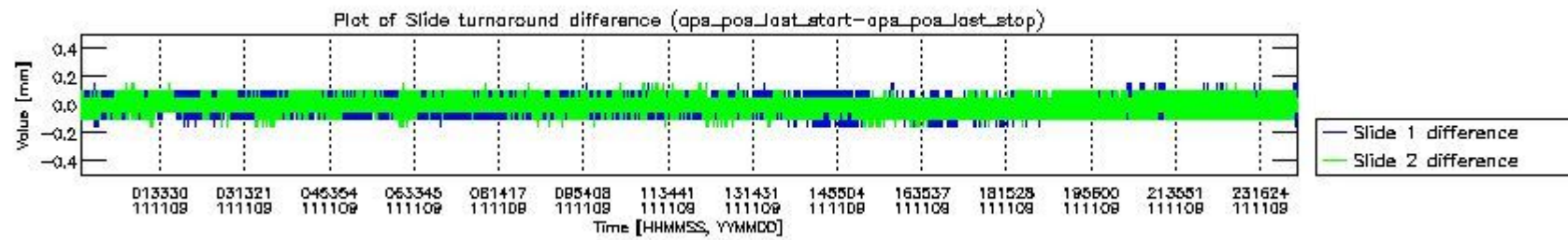
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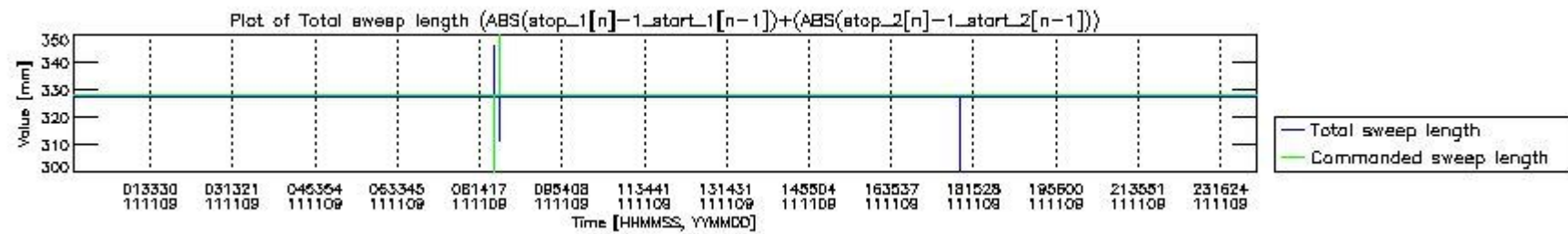
mipas_daily_report_level0_KSPT_L0_4504_N_20111109_3.PNG



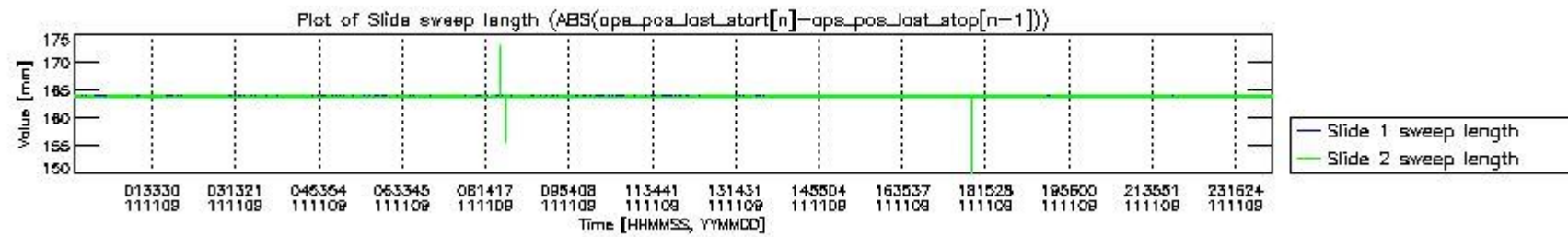
mipas_daily_report_level0_KSPT_L0_4504_N_20111109_4.PNG



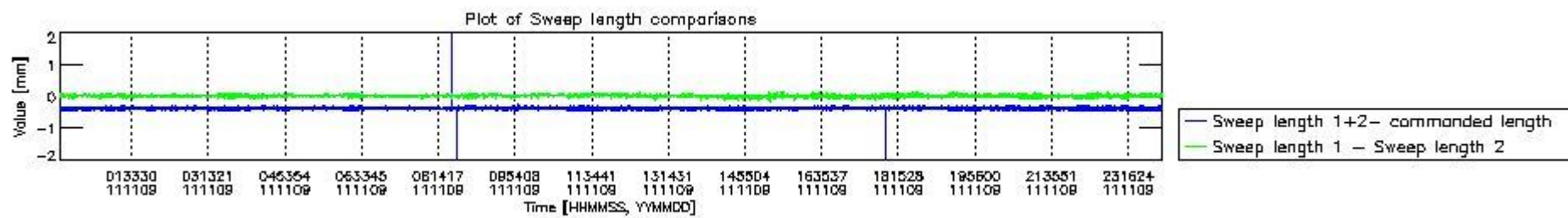
mipas_daily_report_level0_KSPT_L0_4504_N_20111109_5.PNG



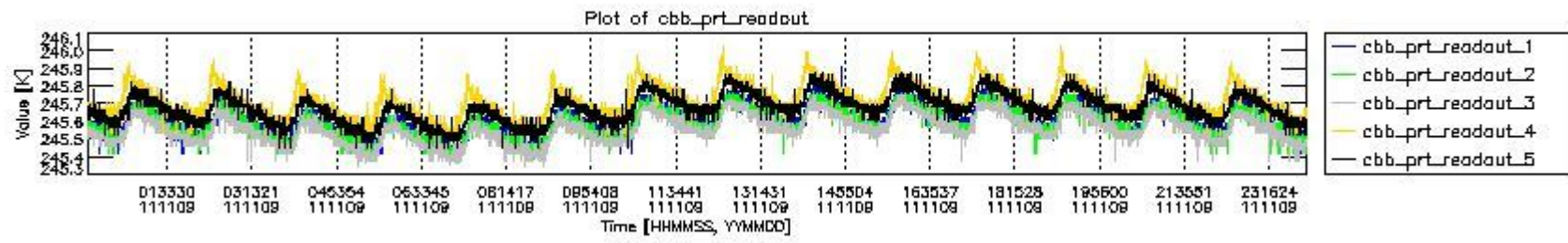
mipas_daily_report_level0_KSPT_L0_4504_N_20111109_6.PNG



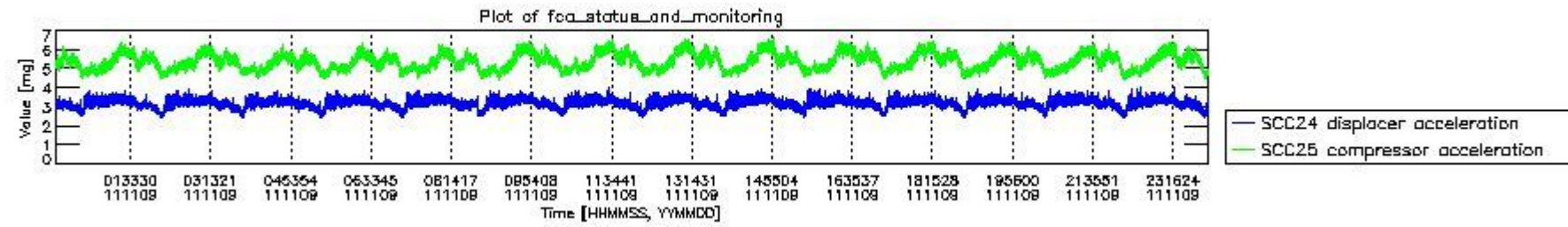
mipas_daily_report_level0_KSPT_L0_4504_N_20111109_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111109_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111109_9.PNG

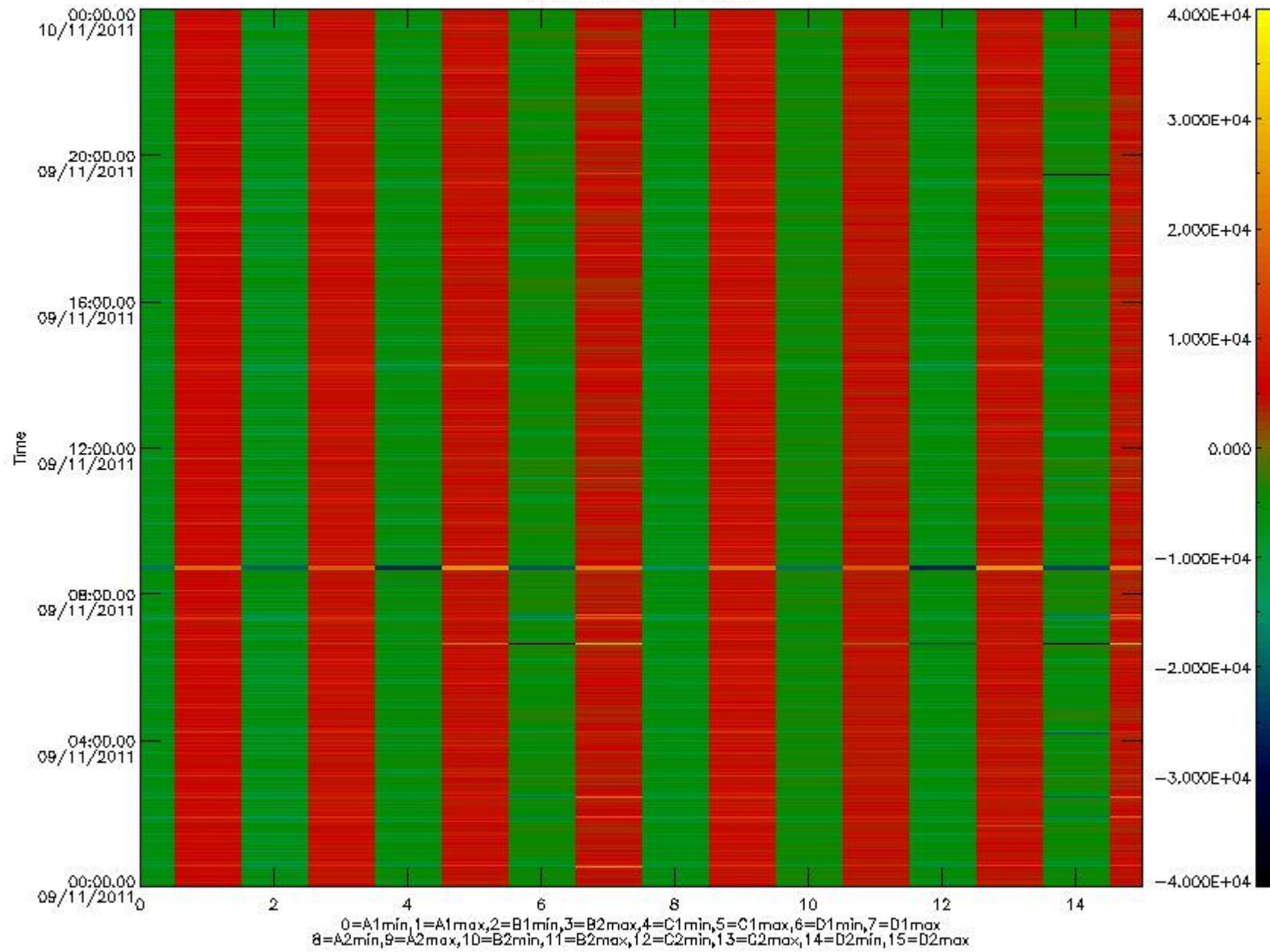


mipas_daily_report_level0_KSPT_L0_4504_N_20111109_10.PNG

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

Channel	Min	Max	ADC
A1	-18513	19634	16bit
B1	-20839	17882	16bit
C1	-25728	25620	16bit
D1	-32768	32767	16bit
A2	-15996	19794	16bit
B2	-18862	18473	16bit
C2	-26786	26380	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_20111109_11.PNG

0.3 ADF monitoring

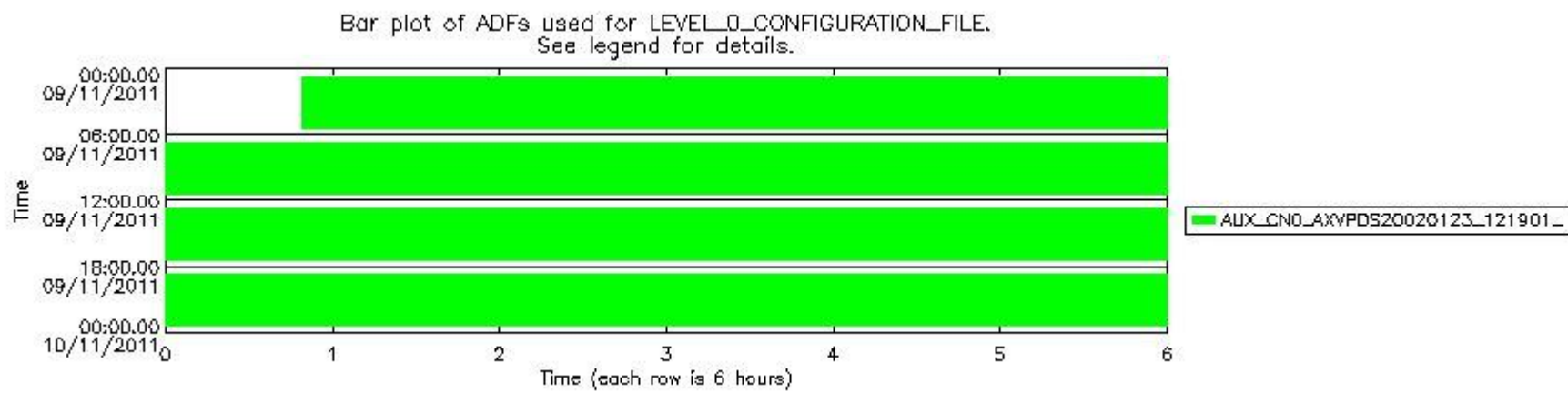
The use of ADFs is shown in two ways:

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.

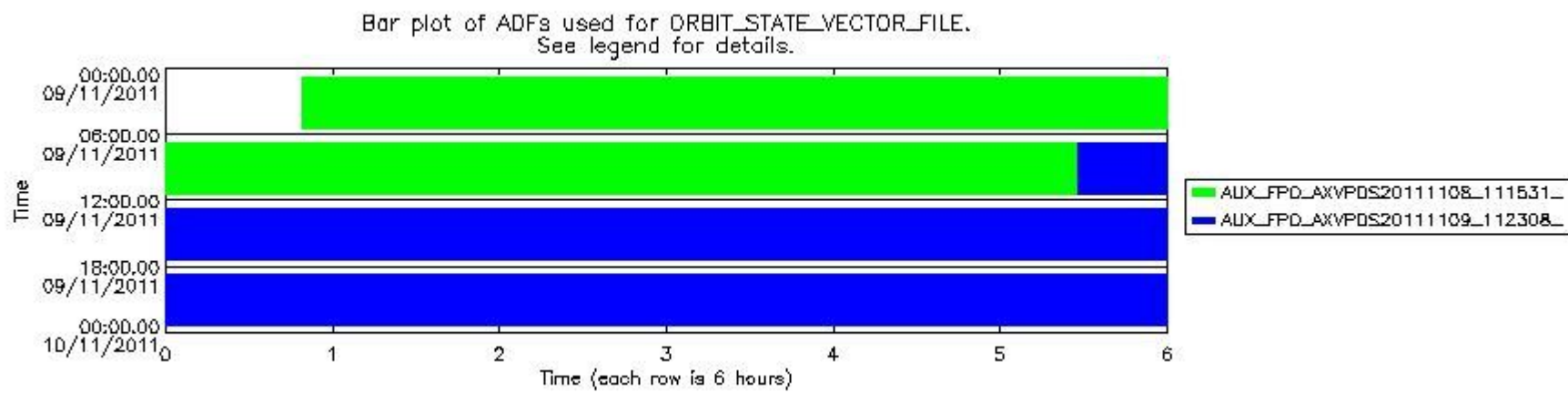
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111108_111531_20111107_185703_20111117_211043
2	AUX_FPO_AXVPDS20111109_112308_20111108_182018_20111118_203400

Number	Product name	#CN0	#FPO
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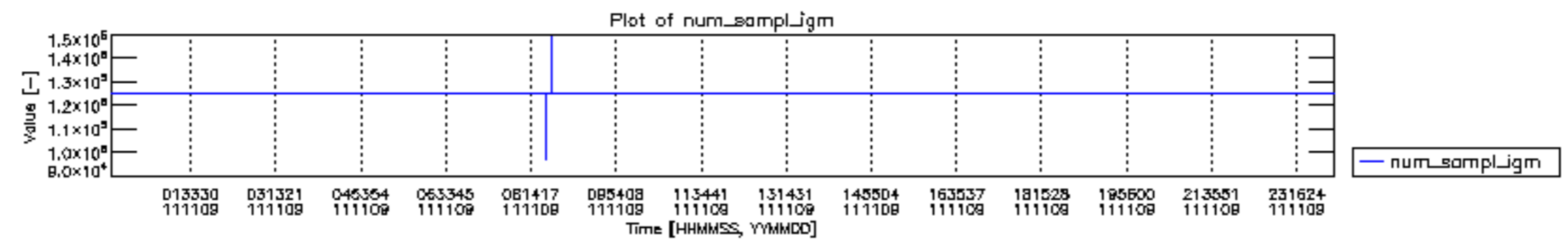
0	MIP_NL__0PNPDE20111109_004900_000057873108_00246_50691_4793.N1	0	1
1	MIP_NL__0PNPDE20111109_022430_000046213108_00247_50692_4794.N1	0	1
2	MIP_NL__0PNPDE20111109_034056_000061653108_00248_50693_4795.N1	0	1
3	MIP_NL__0PNPDE20111109_052309_000059773108_00249_50694_4796.N1	0	1
4	MIP_NL__0PNPDK20111109_070214_000041383108_00250_50695_7474.N1	0	1
5	MIP_NL__0PNPDK20111109_081014_000061403108_00251_50696_7475.N1	0	1
6	MIP_NL__0PNPDK20111109_095056_000058743108_00252_50697_7477.N1	0	1
7	MIP_NL__0PNPDK20111109_112741_000061693108_00253_50698_7478.N1	0	2
8	MIP_NL__0PNPDK20111109_130852_000058723108_00254_50699_7479.N1	0	2
9	MIP_NL__0PNPDK20111109_144546_000059753108_00255_50700_7480.N1	0	2
10	MIP_NL__0PNPDK20111109_162447_000058453108_00256_50701_7481.N1	0	2
11	MIP_NL__0PNPDK20111109_180112_000058813108_00257_50702_7482.N1	0	2
12	MIP_NL__0PNPDK20111109_193759_000062363108_00258_50703_7483.N1	0	2
13	MIP_NL__0PNPDE20111109_212004_000043163108_00259_50704_4797.N1	0	2
14	MIP_NL__0PNPDE20111109_223055_000061213108_00259_50704_4798.N1	0	2

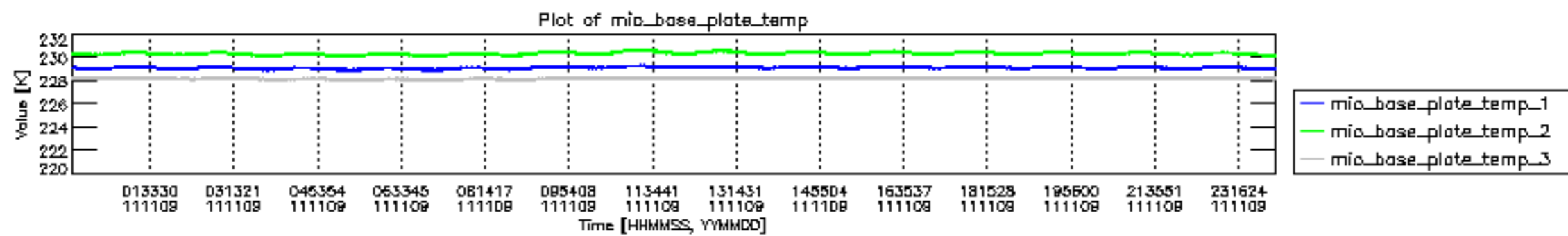


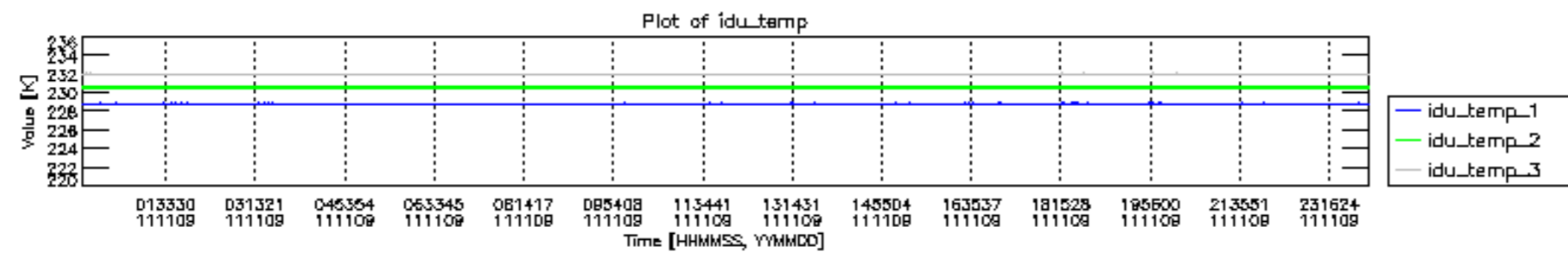
mipas_daily_report_level0_KSPT_L0_4504_N_20111109_12.PNG

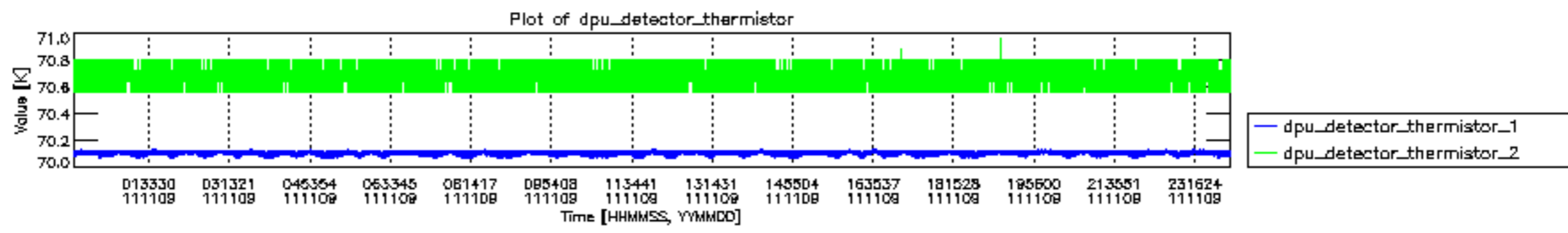


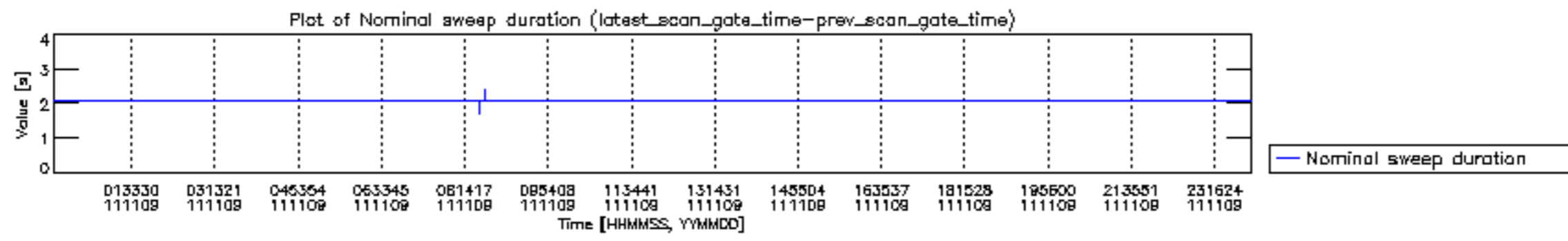
mipas_daily_report_level0_KSPT_L0_4504_N_20111109_13.PNG

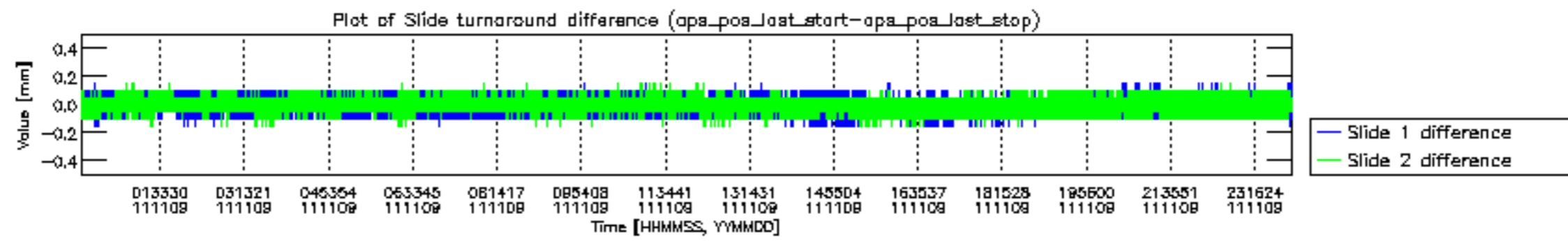


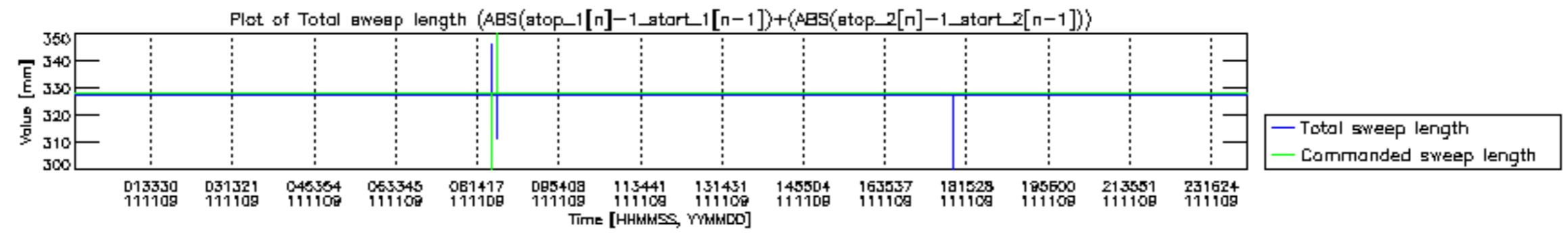


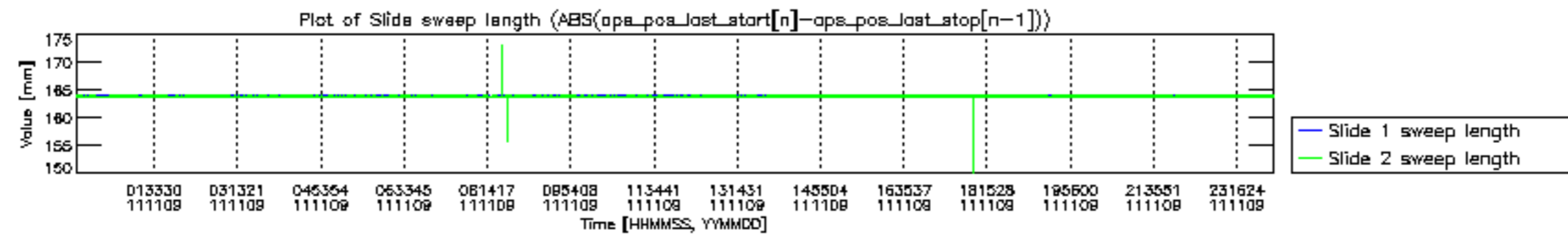


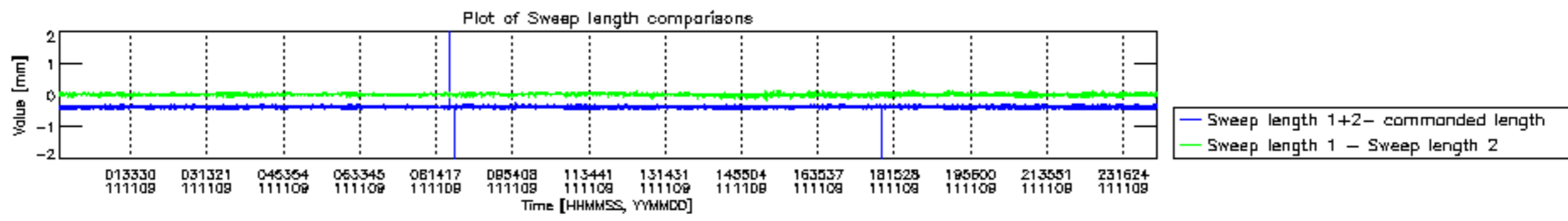


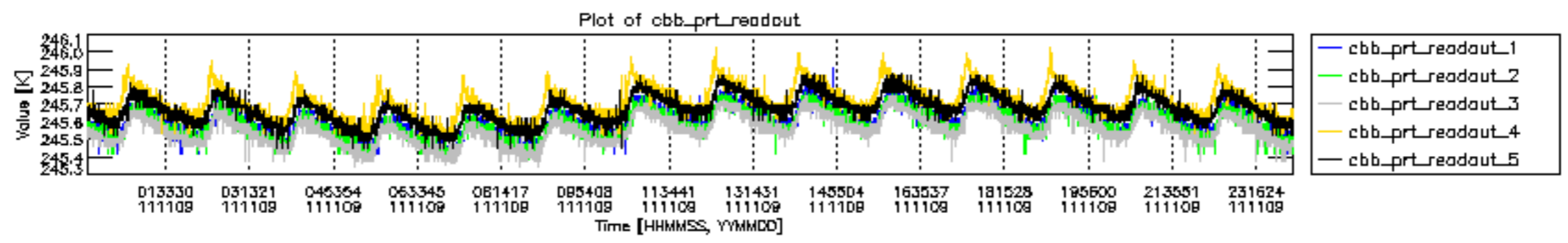


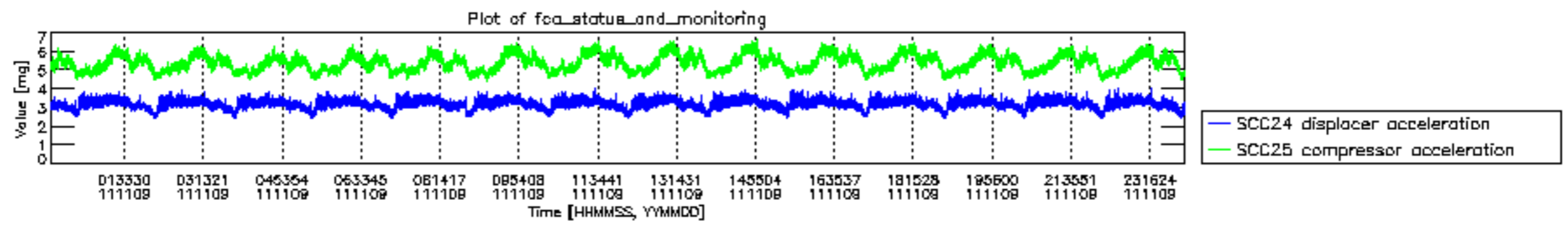












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

