

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	24DEC2010 05:23:46
Data source version	KSPT_L0/4504-N
Processing scope for products	20DEC2010 00:00:00 to 21DEC2010 00:00:00
Start time of first product within scope	20DEC2010 00:24:06
Stop time of last product within scope	20DEC2010 20:56:05
Total number of level 0 products	6
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.

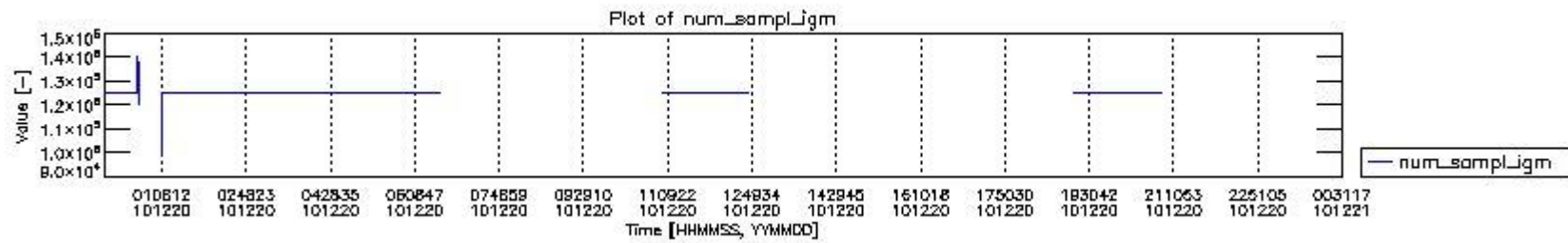
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20101220_002406_000059493097_00332_46036_2535.N1	20DEC2010 00:24:06	20DEC2010 02:03:15	0	0	0	0	0
1	MIP_NL__0PNPDE20101220_020217_000043993097_00333_46037_2536.N1	20DEC2010 02:02:17	20DEC2010 03:15:36	0	0	0	0	0
2	MIP_NL__0PNPDE20101220_031503_000062003097_00334_46038_2537.N1	20DEC2010 03:15:03	20DEC2010 04:58:23	0	0	0	0	0
3	MIP_NL__0PNPDE20101220_045749_000060563097_00335_46039_2538.N1	20DEC2010 04:57:49	20DEC2010 06:38:46	0	0	0	0	0
4	MIP_NL__0PNPDK20101220_110254_000061083097_00339_46043_3732.N1	20DEC2010 11:02:54	20DEC2010 12:44:42	0	0	0	0	0
5	MIP_NL__0PNPDK20101220_191303_000061823097_00344_46048_3737.N1	20DEC2010 19:13:03	20DEC2010 20:56:05	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

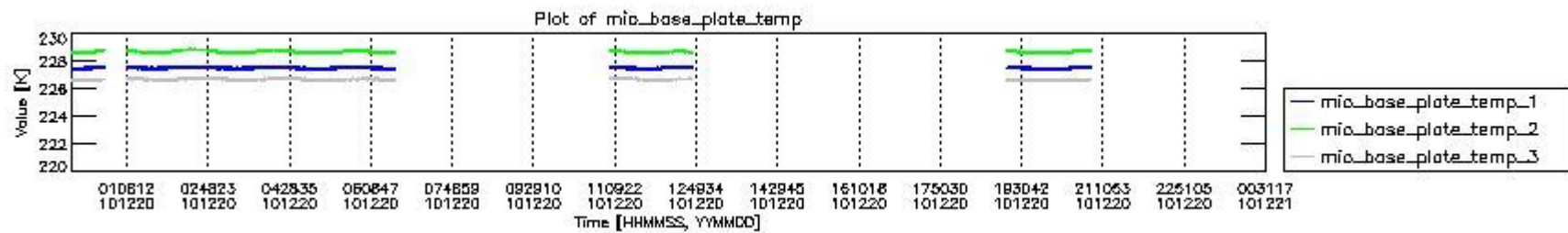
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

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

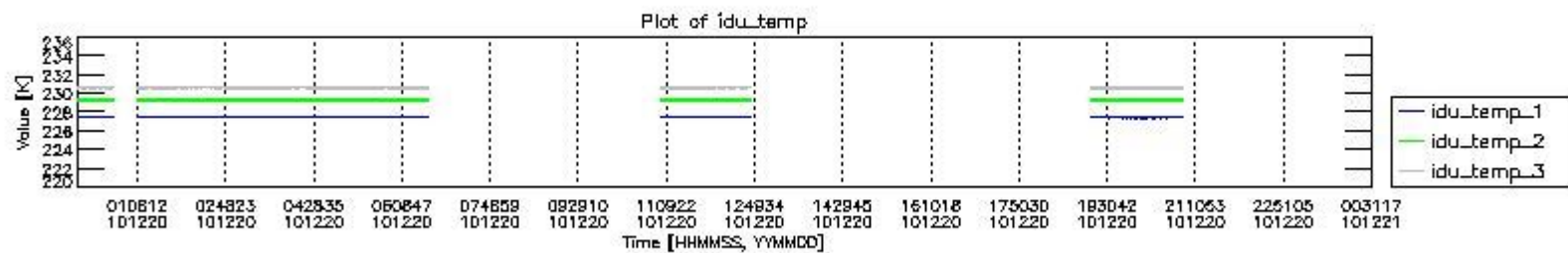
Number of igm samples	Count [#]	Count [%]
98847	1	0.0060328185
120617	1	0.0060328185
123398	1	0.0060328185
124099	1	0.0060328185
124800	15450	93.207046
124803	1120	6.7567568
136566	1	0.0060328185
140749	1	0.0060328185



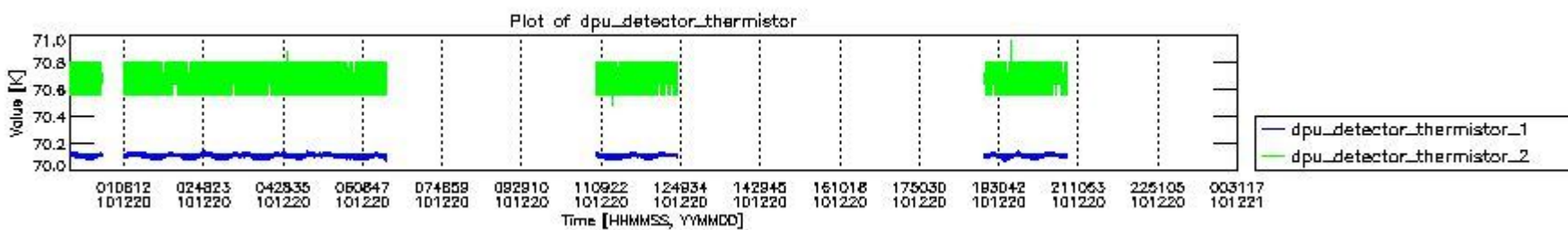
mipas_daily_report_level0_KSPT_L0_4504_N_20101220_0.PNG



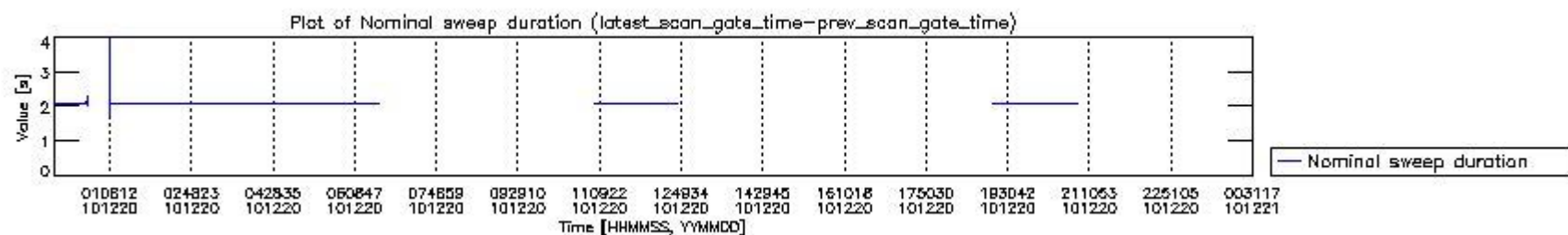
mipas_daily_report_level0_KSPT_L0_4504_N_20101220_1.PNG



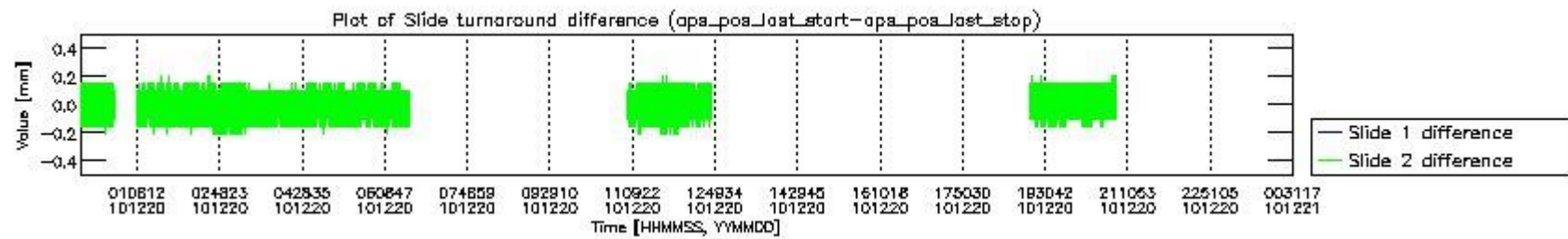
mipas_daily_report_level0_KSPT_L0_4504_N_20101220_2.PNG



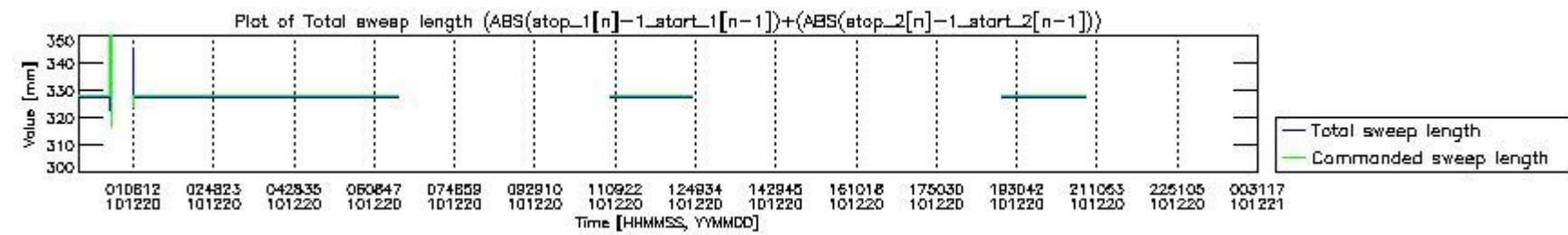
mipas_daily_report_level0_KSPT_L0_4504_N_20101220_3.PNG



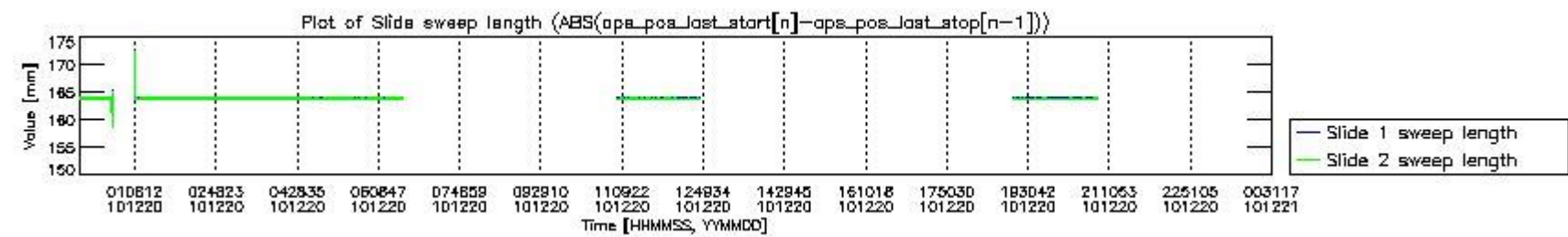
mipas_daily_report_level0_KSPT_L0_4504_N_20101220_4.PNG



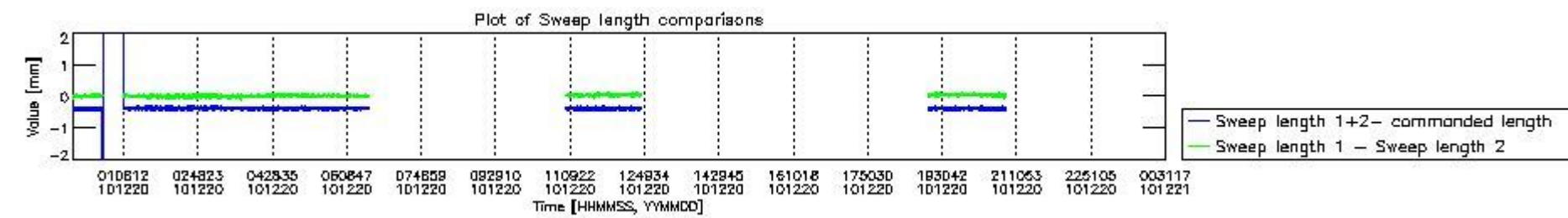
mipas_daily_report_level0_KSPT_L0_4504_N_20101220_5.PNG



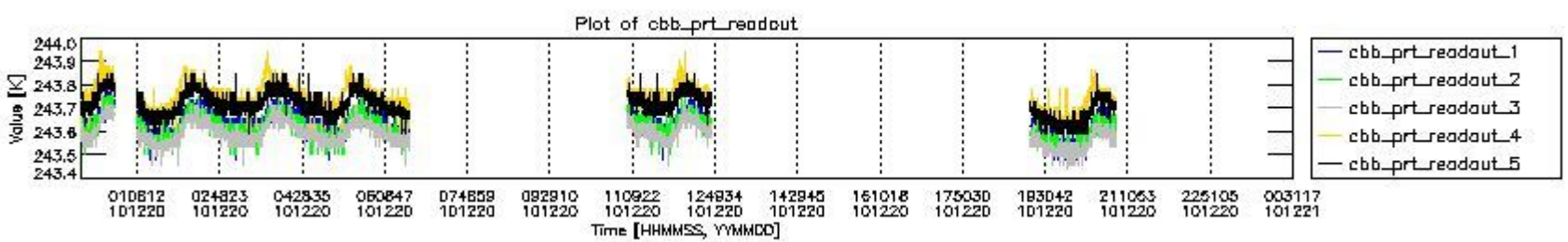
mipas_daily_report_level0_KSPT_L0_4504_N_20101220_6.PNG



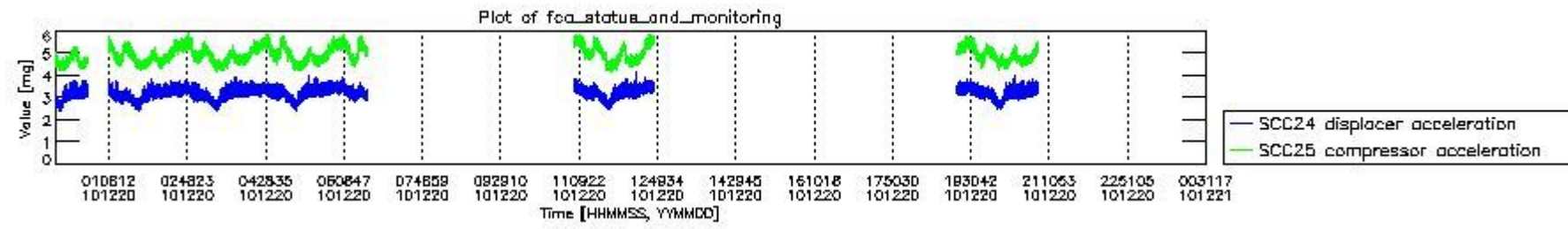
mipas_daily_report_level0_KSPT_L0_4504_N_20101220_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101220_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101220_9.PNG

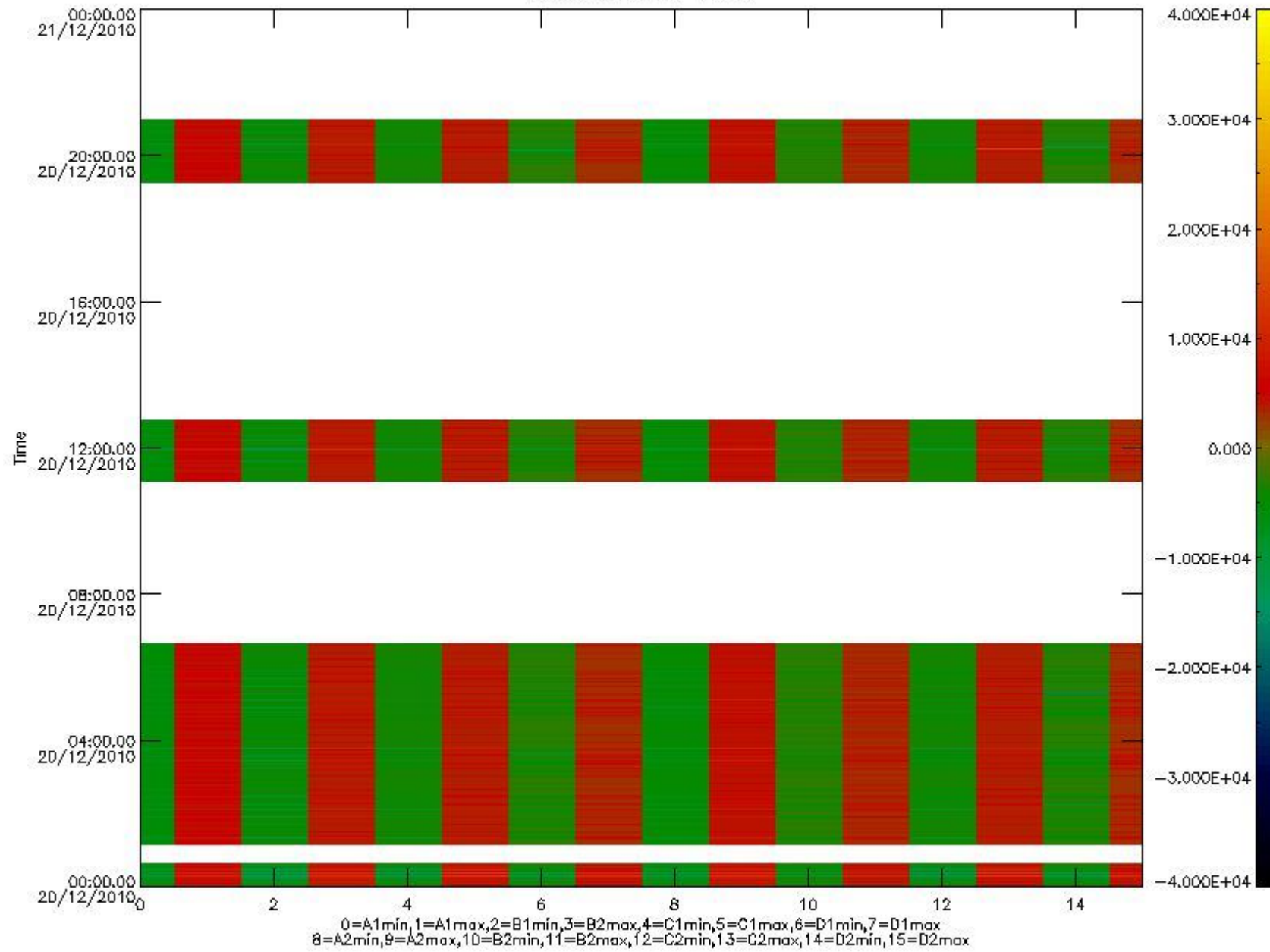


mipas_daily_report_level0_KSPT_L0_4504_N_20101220_10.PNG

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

Channel	Min	Max	ADC
A1	-16372	17187	16bit
B1	-16663	14644	16bit
C1	-18589	18309	16bit
D1	-27697	32630	16bit
A2	-13989	16886	16bit
B2	-14424	14191	16bit
C2	-18732	24223	16bit
D2	-32768	31236	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20101220_11.PNG

0.3 ADF monitoring

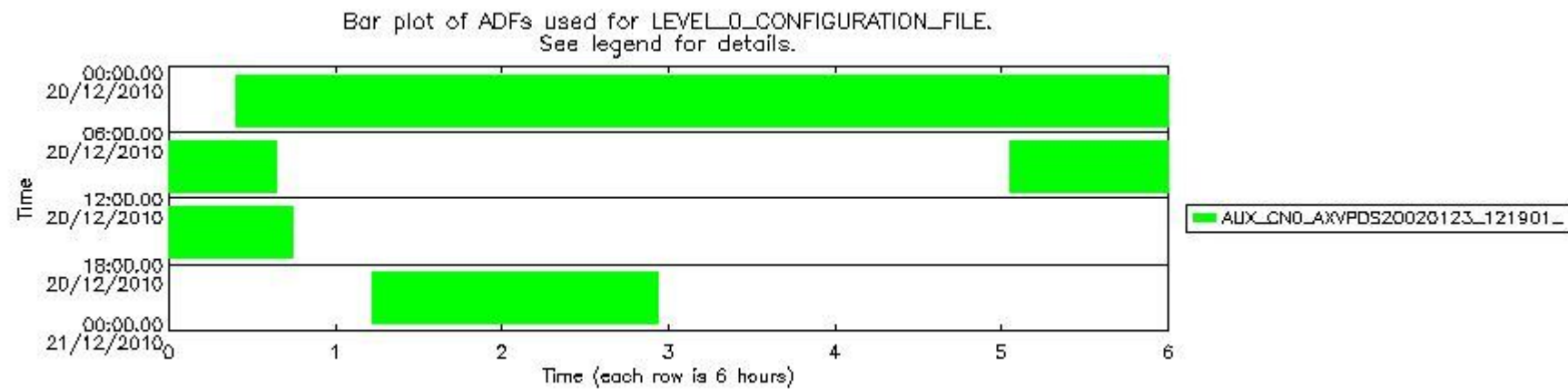
The use of ADFs is shown in two ways:

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.

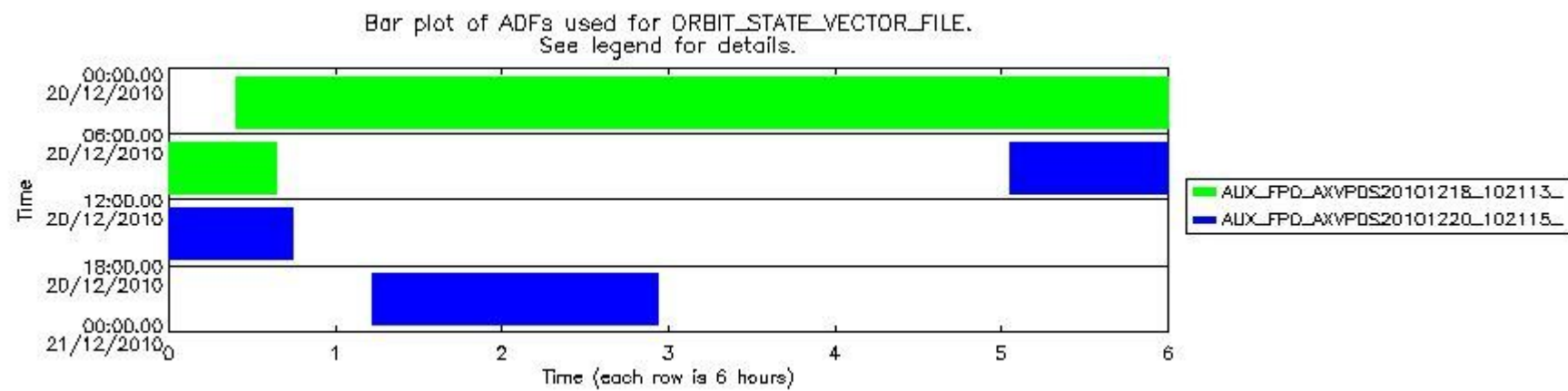
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101218_102113_20101217_190837_20101227_212231
2	AUX_FPO_AXVPDS20101220_102115_20101219_193524_20101229_200904

Number	Product name	#CN0	#FPO
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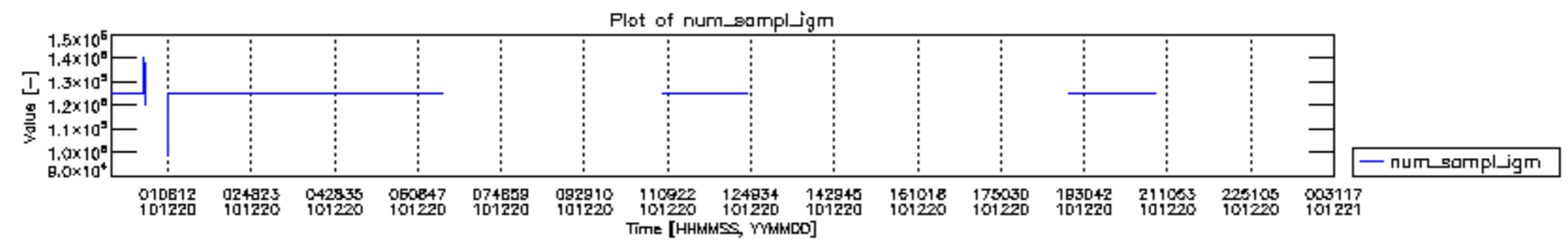
0	MIP_NL__0PNPDE20101220_002406_000059493097_00332_46036_2535.N1	0	1
1	MIP_NL__0PNPDE20101220_020217_000043993097_00333_46037_2536.N1	0	1
2	MIP_NL__0PNPDE20101220_031503_000062003097_00334_46038_2537.N1	0	1
3	MIP_NL__0PNPDE20101220_045749_000060563097_00335_46039_2538.N1	0	1
4	MIP_NL__0PNPDK20101220_110254_000061083097_00339_46043_3732.N1	0	2
5	MIP_NL__0PNPDK20101220_191303_000061823097_00344_46048_3737.N1	0	2

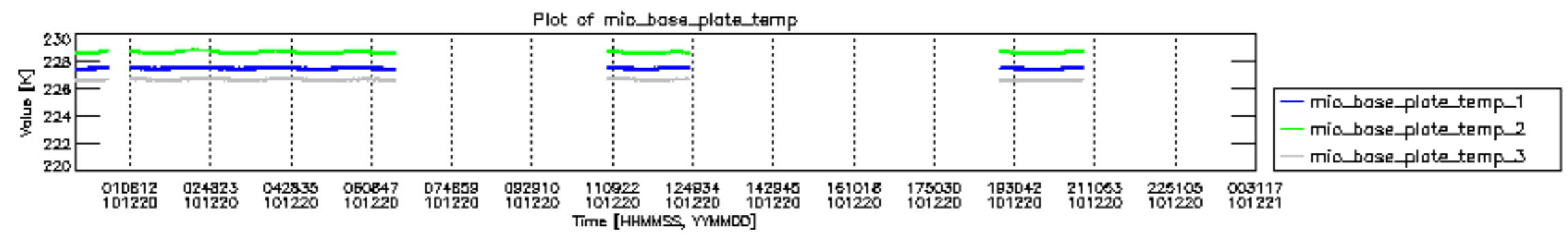


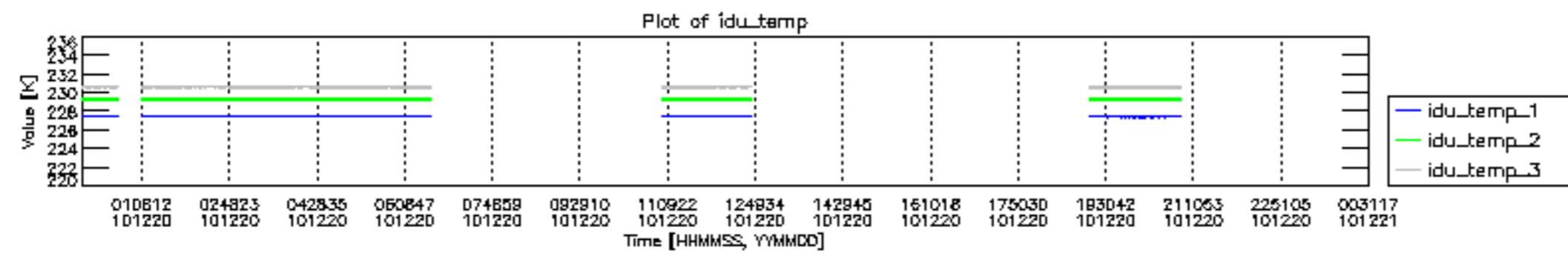
mipas_daily_report_level0_KSPT_L0_4504_N_20101220_12.PNG

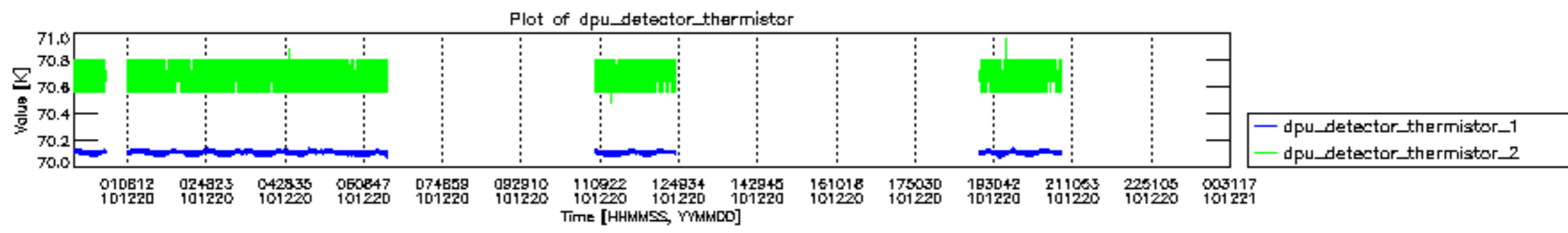


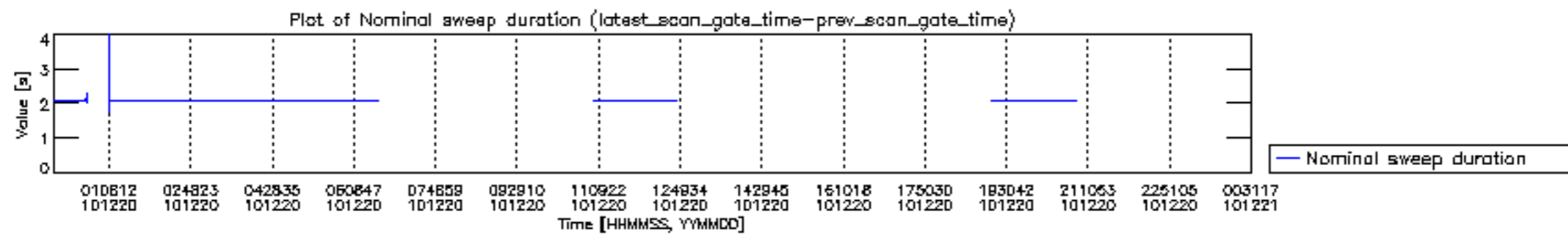
mipas_daily_report_level0_KSPT_L0_4504_N_20101220_13.PNG

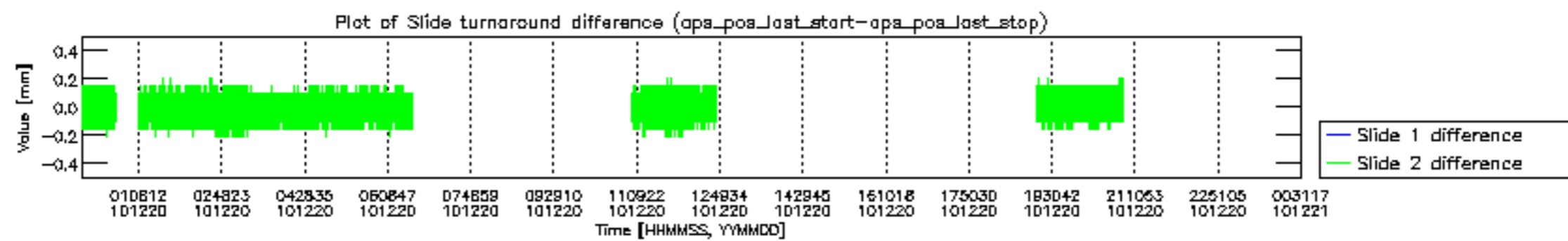


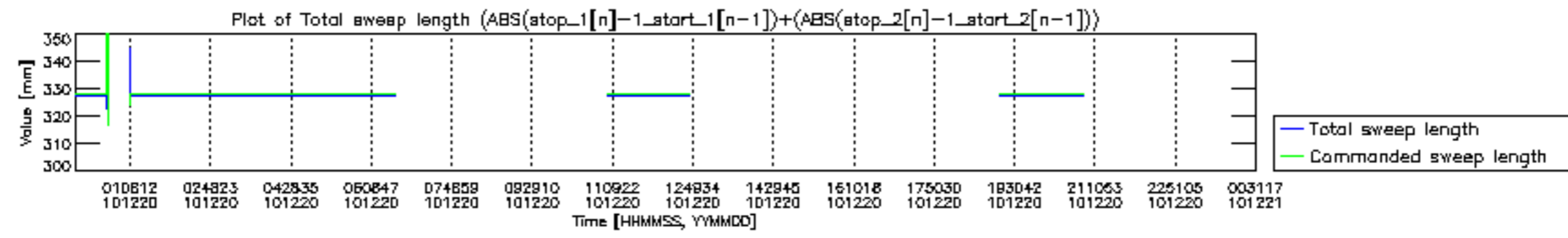


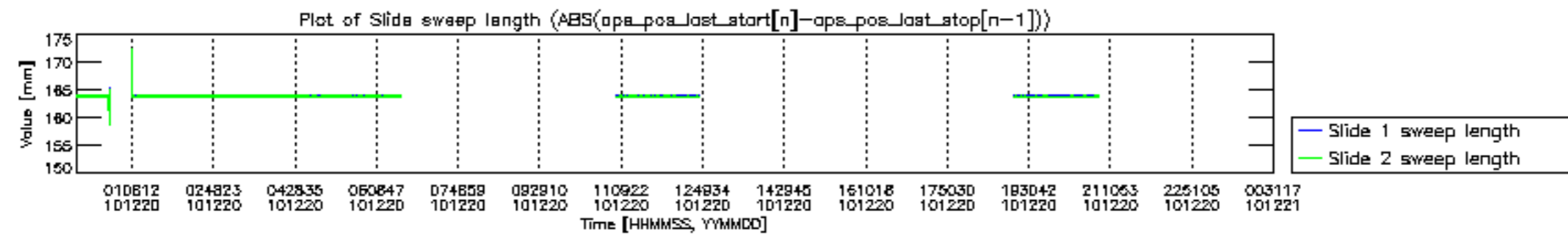


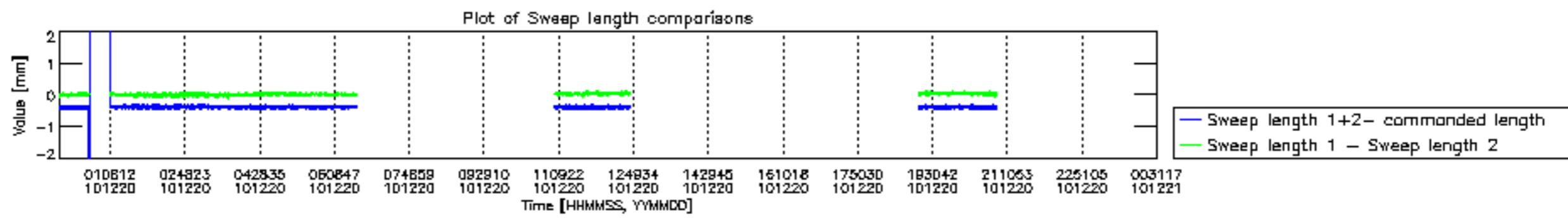


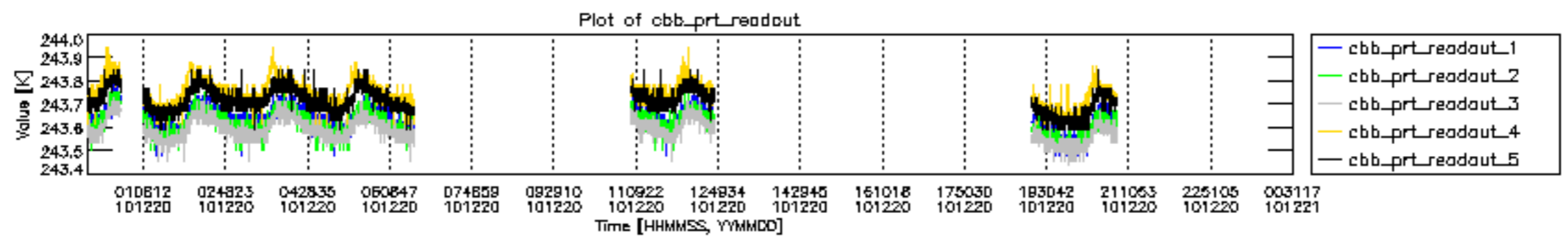


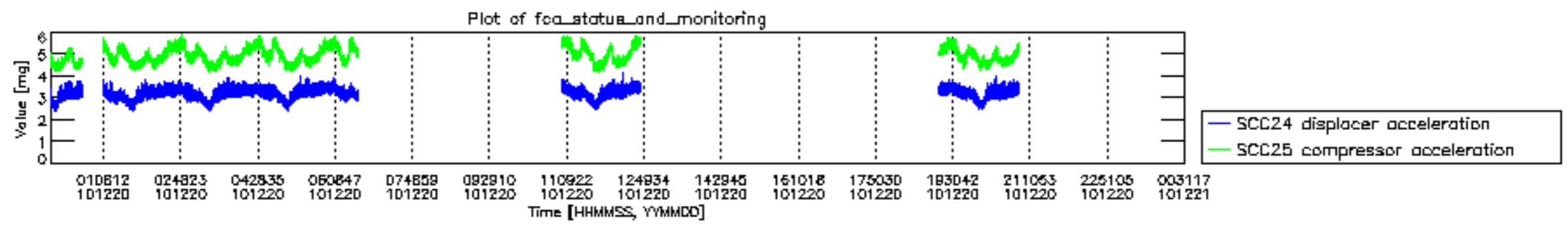












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

