

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	12AUG2011 05:25:22
Data source version	KSPT_L0/4504-N
Processing scope for products	07AUG2011 00:00:00 to 08AUG2011 00:00:00
Start time of first product within scope	07AUG2011 01:33:54
Stop time of last product within scope	08AUG2011 00:59:30
Total number of level 0 products	13
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__0PNPDE20110807_013354_000043973105_00189_49341_9389.N1	07AUG2011 01:33:54	07AUG2011 02:47:12	0	0	0	0	0
1	MIP_NL__0PNPDE20110807_024640_000061523105_00190_49342_9390.N1	07AUG2011 02:46:40	07AUG2011 04:29:13	0	0	0	0	0
2	MIP_NL__0PNPDE20110807_042839_000060373105_00191_49343_9391.N1	07AUG2011 04:28:39	07AUG2011 06:09:16	0	0	0	0	0
3	MIP_NL__0PNPDK20110807_060843_000040993105_00192_49344_5979.N1	07AUG2011 06:08:43	07AUG2011 07:17:02	0	0	0	0	0
4	MIP_NL__0PNPDK20110807_103707_000059453105_00195_49347_5982.N1	07AUG2011 10:37:07	07AUG2011 12:16:12	0	0	0	0	0
5	MIP_NL__0PNPDK20110807_121528_000059873105_00196_49348_5983.N1	07AUG2011 12:15:28	07AUG2011 13:55:15	0	0	0	0	0
6	MIP_NL__0PNPDK20110807_135444_000058283105_00197_49349_5984.N1	07AUG2011 13:54:44	07AUG2011 15:31:53	0	0	0	0	0
7	MIP_NL__0PNPDK20110807_153109_000059433105_00198_49350_5985.N1	07AUG2011 15:31:09	07AUG2011 17:10:12	0	0	0	0	0
8	MIP_NL__0PNPDK20110807_170918_000058683105_00199_49351_5986.N1	07AUG2011 17:09:18	07AUG2011 18:47:06	0	0	0	0	0
9	MIP_NL__0PNPDK20110807_184607_000060853105_00200_49352_5987.N1	07AUG2011 18:46:07	07AUG2011 20:27:33	0	0	0	0	0
10	MIP_NL__0PNPDE20110807_202556_000042703105_00201_49353_9392.N1	07AUG2011 20:25:56	07AUG2011 21:37:06	0	0	0	0	0
11	MIP_NL__0PNPDE20110807_213606_000061463105_00201_49353_9393.N1	07AUG2011 21:36:06	07AUG2011 23:18:32	0	0	0	0	0
12	MIP_NL__0PNPDE20110807_231731_000061193105_00202_49354_9394.N1	07AUG2011 23:17:31	08AUG2011 00:59:30	0	0	0	0	0

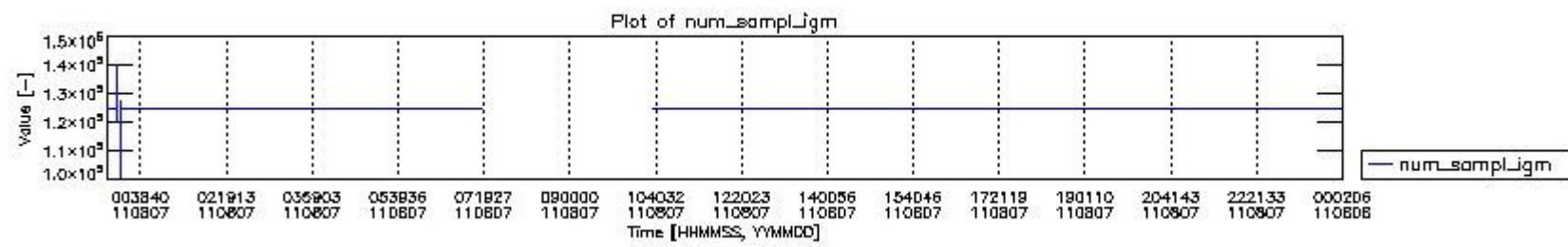
0.2 Instrument Operational Performance Parameters

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.

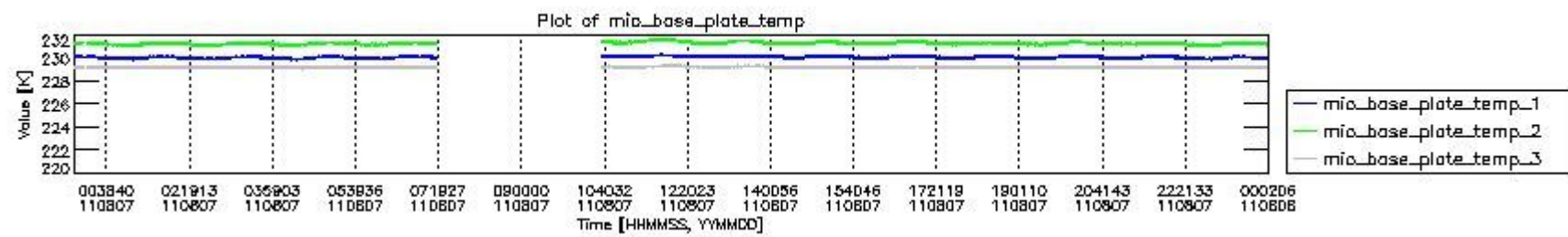
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100706	1	0.0028044984
120171	1	0.0028044984
124800	33250	93.249572
124803	2401	6.7336007
125958	1	0.0028044984

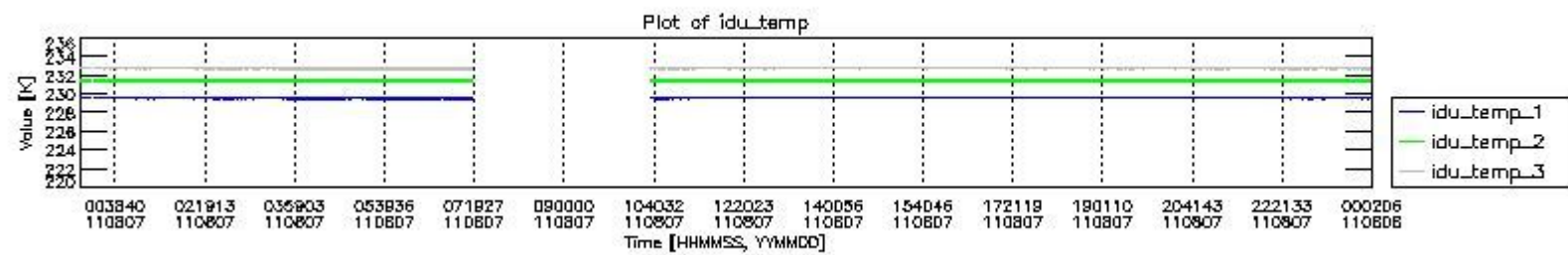
127116	1	0.0028044984
135674	1	0.0028044984
140303	1	0.0028044984



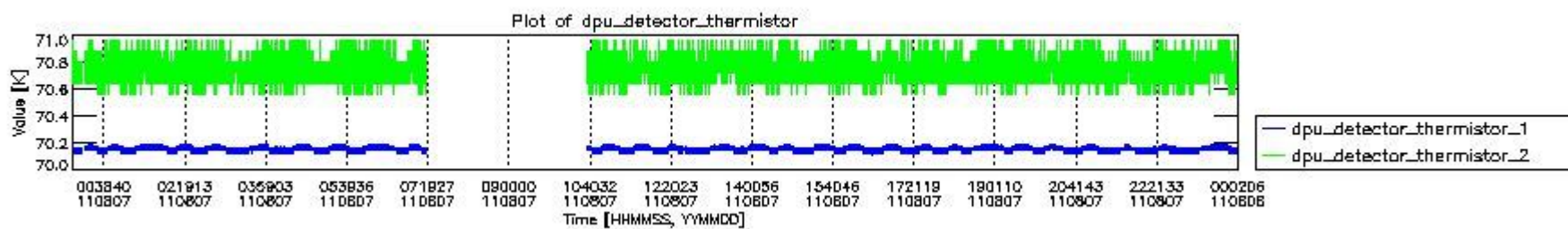
mipas_daily_report_level0_KSPT_L0_4504_N_20110807_0.PNG



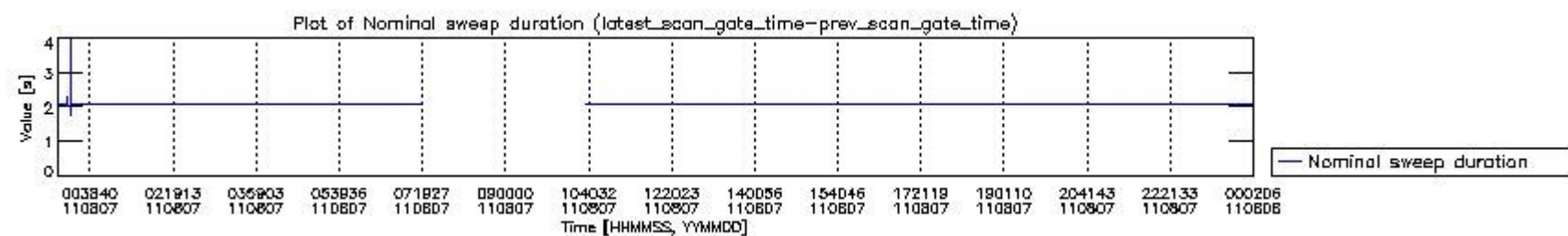
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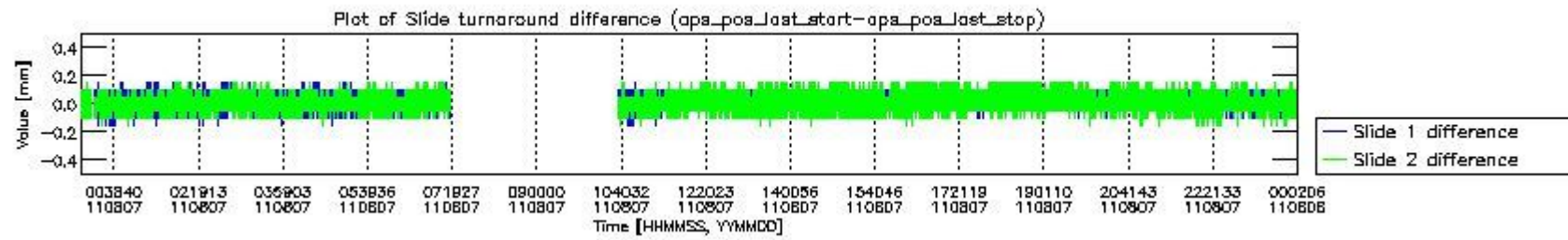
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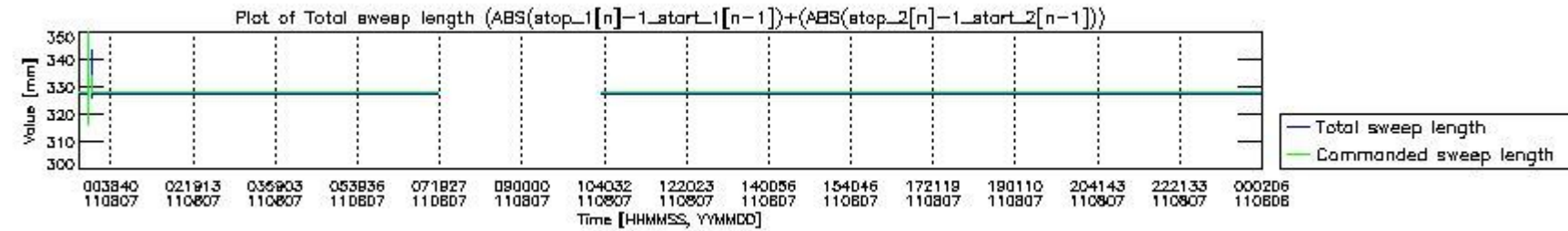
mipas_daily_report_level0_KSPT_L0_4504_N_20110807_3.PNG



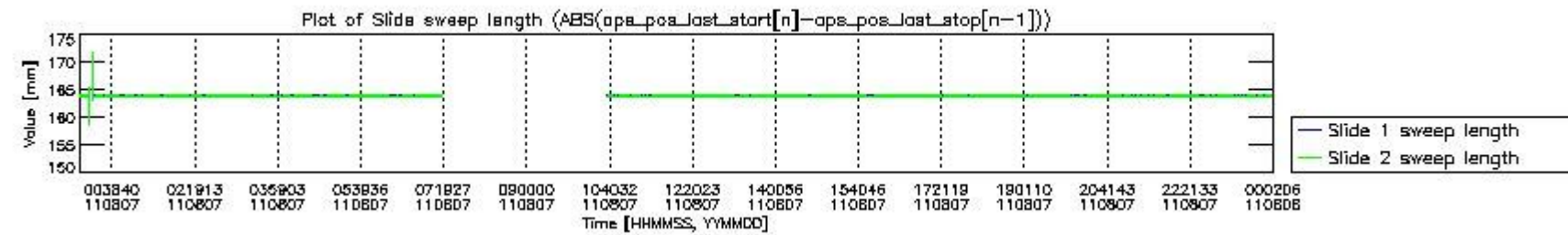
mipas_daily_report_level0_KSPT_L0_4504_N_20110807_4.PNG



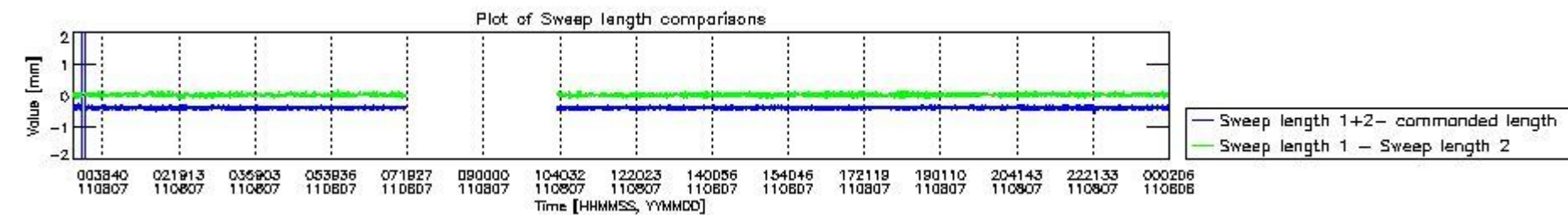
mipas_daily_report_level0_KSPT_L0_4504_N_20110807_5.PNG



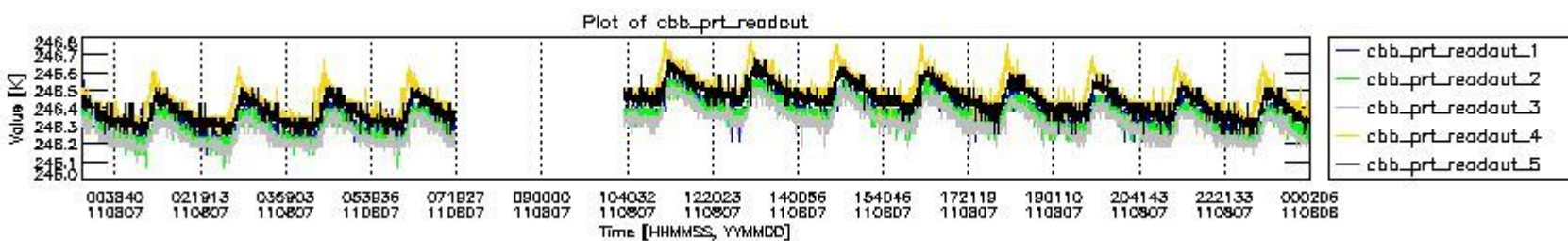
mipas_daily_report_level0_KSPT_L0_4504_N_20110807_6.PNG



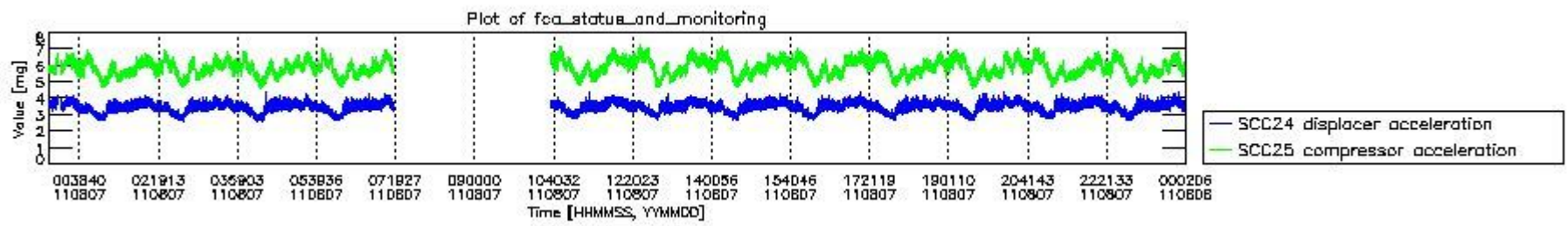
mipas_daily_report_level0_KSPT_L0_4504_N_20110807_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110807_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110807_9.PNG

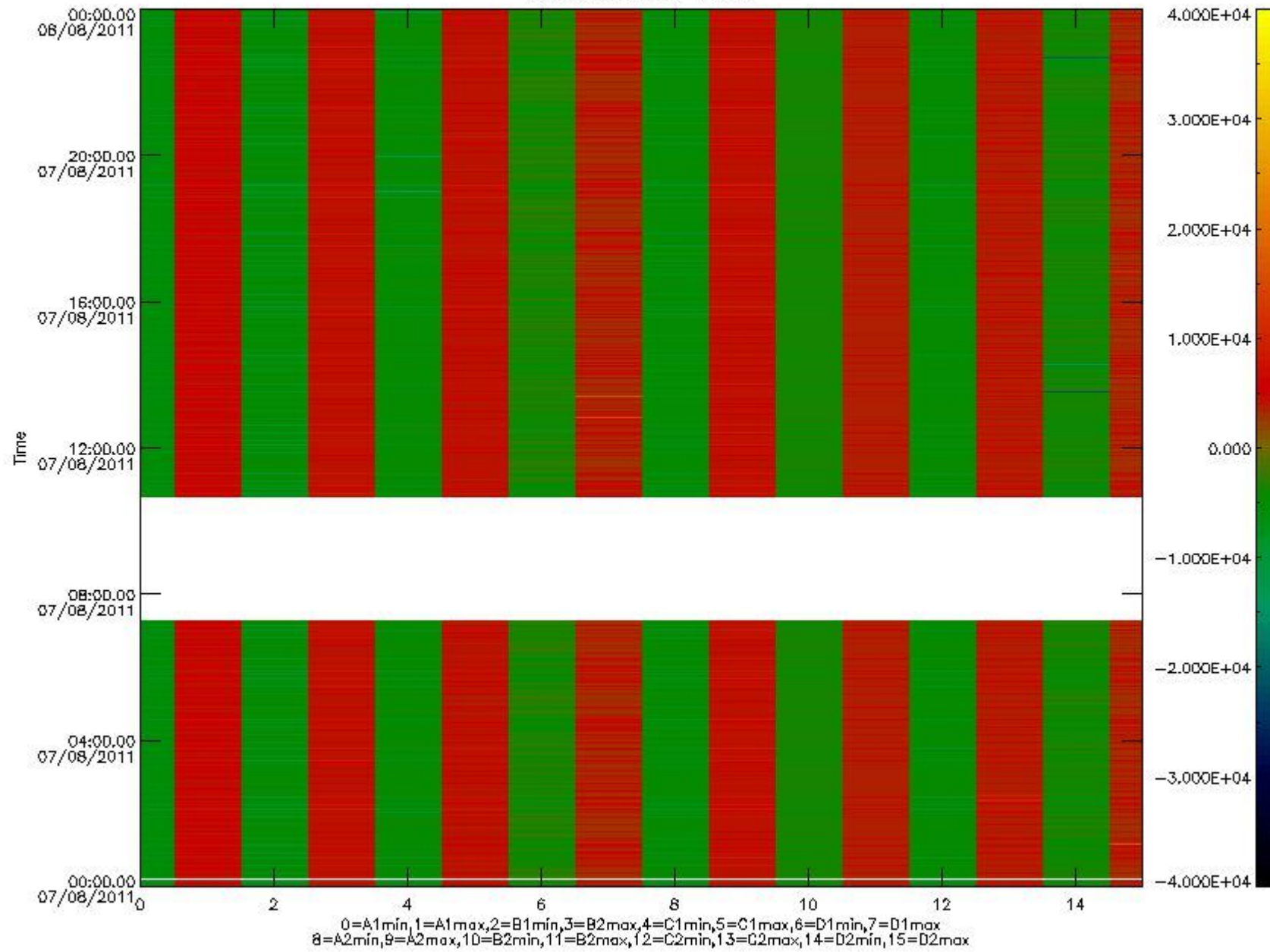


mipas_daily_report_level0_KSPT_L0_4504_N_20110807_10.PNG

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

Channel	Min	Max	ADC
A1	-16597	17449	16bit
B1	-17530	15350	16bit
C1	-20656	20261	16bit
D1	-32105	32767	16bit
A2	-14184	17140	16bit
B2	-15478	15200	16bit
C2	-20860	23502	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_20110807_11.PNG

0.3 ADF monitoring

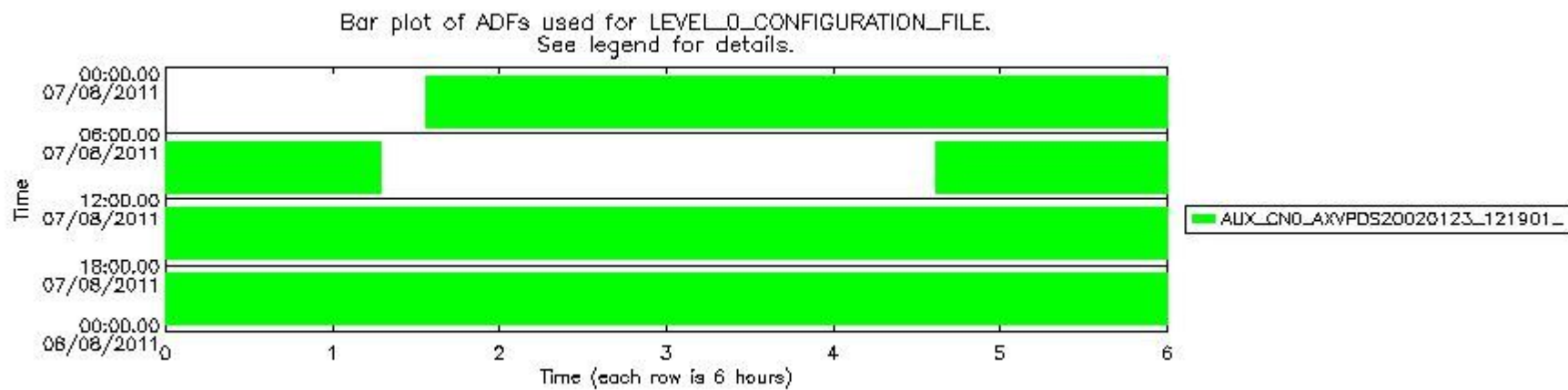
The use of ADFs is shown in two ways:

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.

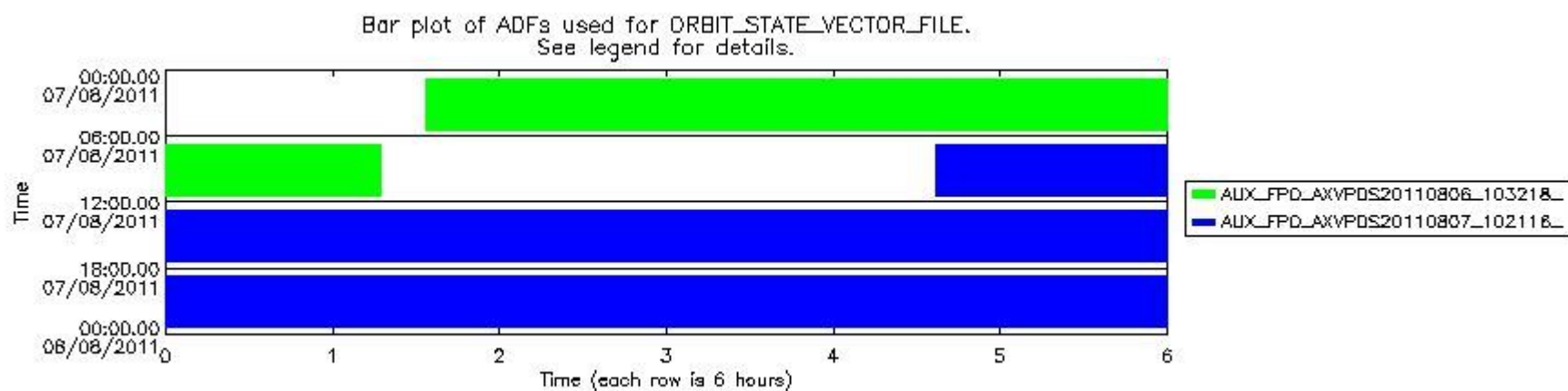
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110806_103218_20110805_194252_20110815_201624
2	AUX_FPO_AXVPDS20110807_102116_20110806_190607_20110816_211954

Number	Product name	#CN0	#FPO
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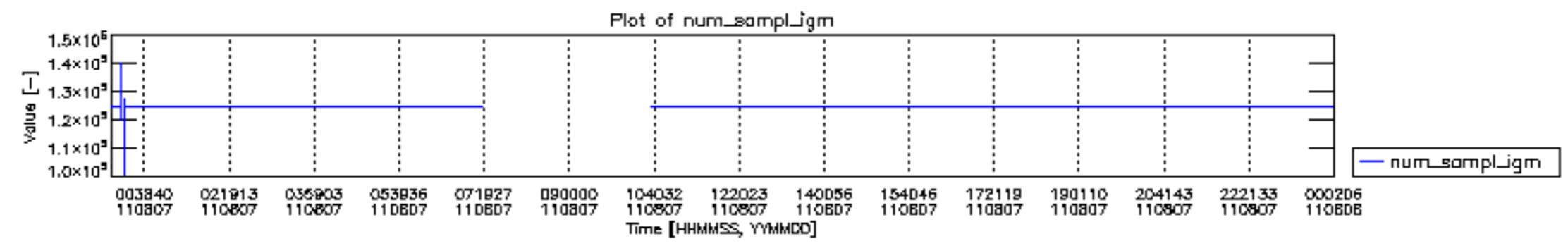
0	MIP_NL__0PNPDE20110807_013354_000043973105_00189_49341_9389.N1	0	1
1	MIP_NL__0PNPDE20110807_024640_000061523105_00190_49342_9390.N1	0	1
2	MIP_NL__0PNPDE20110807_042839_000060373105_00191_49343_9391.N1	0	1
3	MIP_NL__0PNPDK20110807_060843_000040993105_00192_49344_5979.N1	0	1
4	MIP_NL__0PNPDK20110807_103707_000059453105_00195_49347_5982.N1	0	2
5	MIP_NL__0PNPDK20110807_121528_000059873105_00196_49348_5983.N1	0	2
6	MIP_NL__0PNPDK20110807_135444_000058283105_00197_49349_5984.N1	0	2
7	MIP_NL__0PNPDK20110807_153109_000059433105_00198_49350_5985.N1	0	2
8	MIP_NL__0PNPDK20110807_170918_000058683105_00199_49351_5986.N1	0	2
9	MIP_NL__0PNPDK20110807_184607_000060853105_00200_49352_5987.N1	0	2
10	MIP_NL__0PNPDE20110807_202556_000042703105_00201_49353_9392.N1	0	2
11	MIP_NL__0PNPDE20110807_213606_000061463105_00201_49353_9393.N1	0	2
12	MIP_NL__0PNPDE20110807_231731_000061193105_00202_49354_9394.N1	0	2

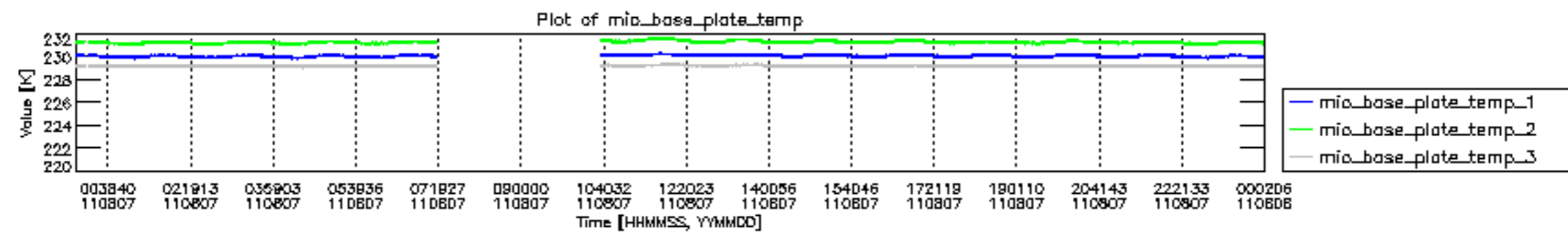


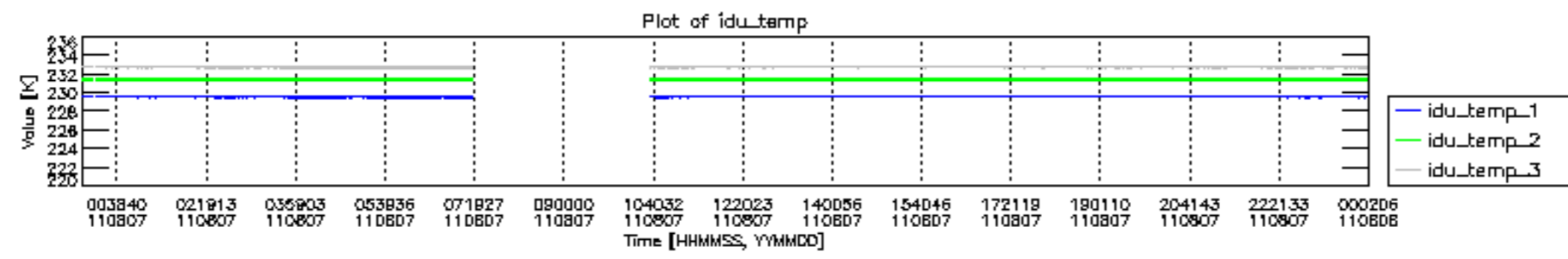
mipas_daily_report_level0_KSPT_L0_4504_N_20110807_12.PNG

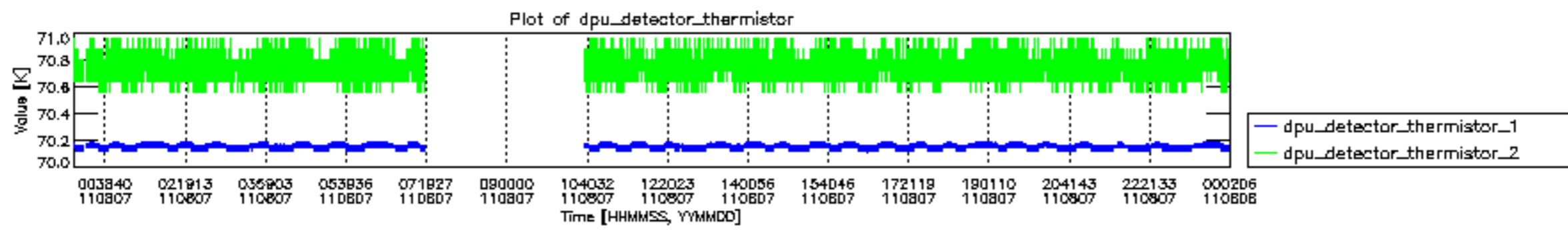


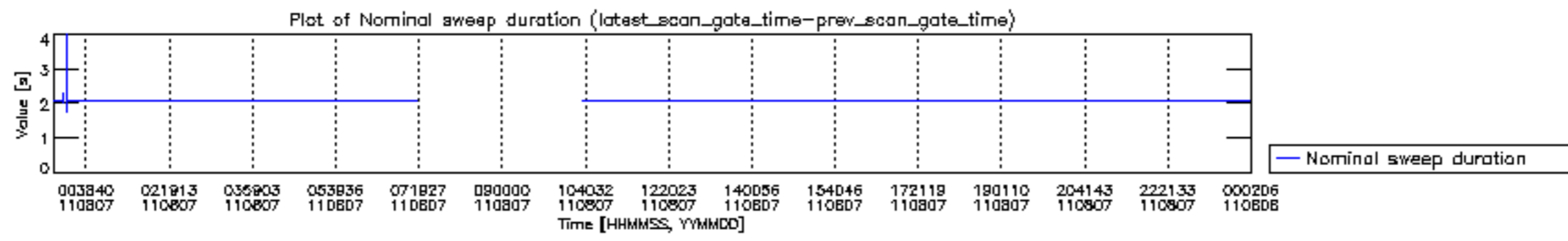
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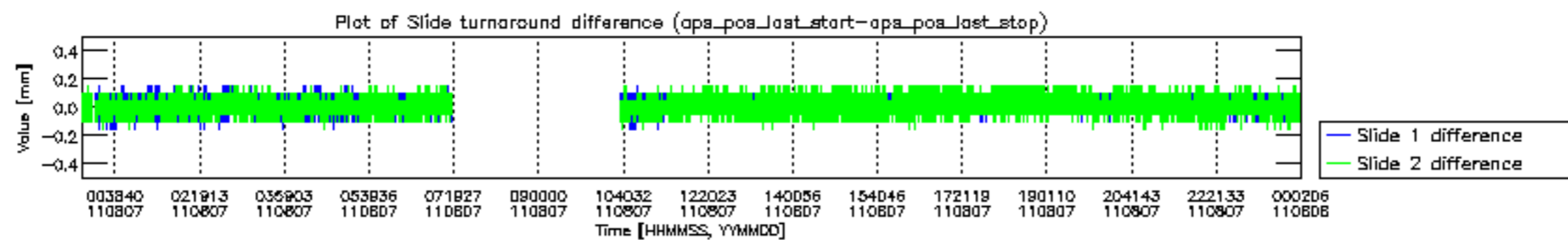


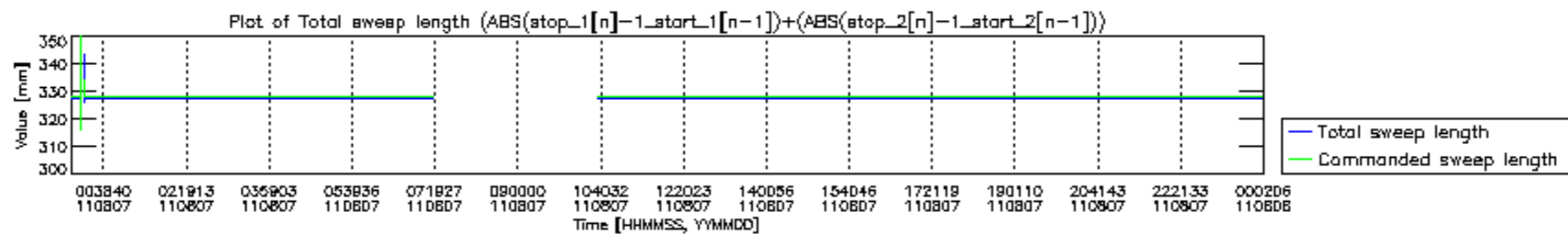


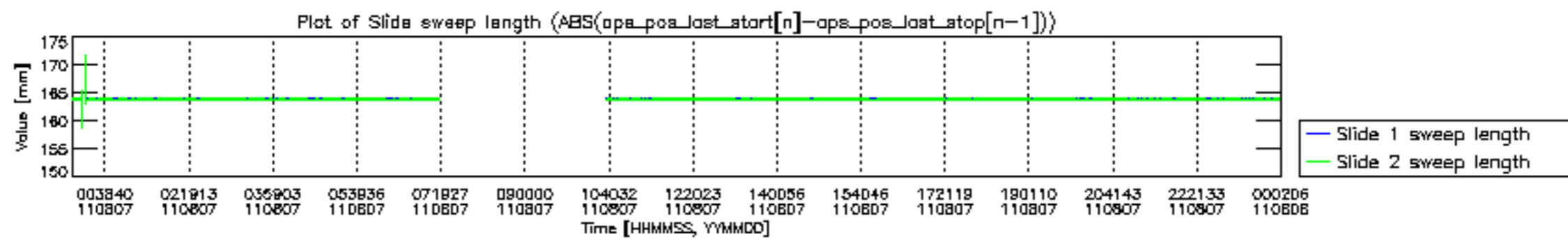


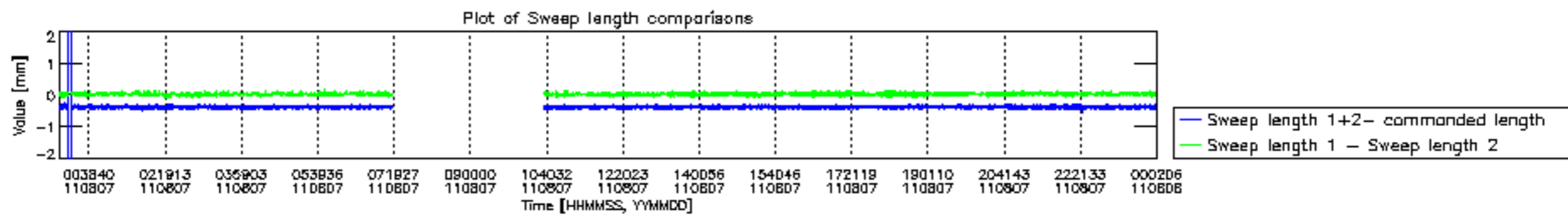


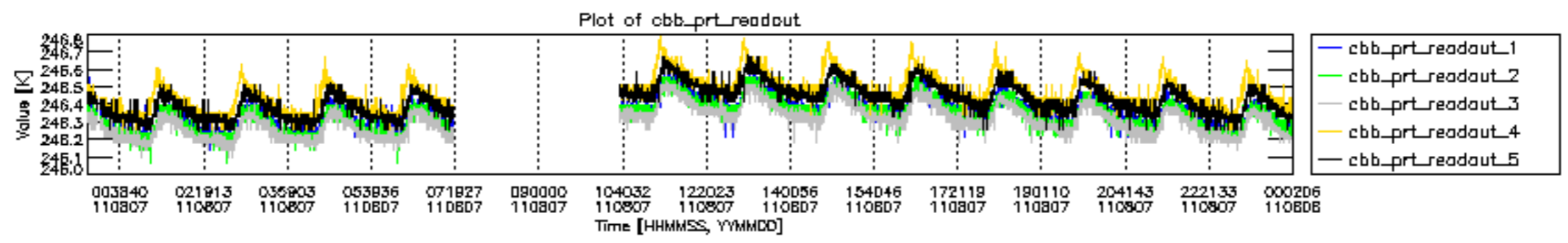


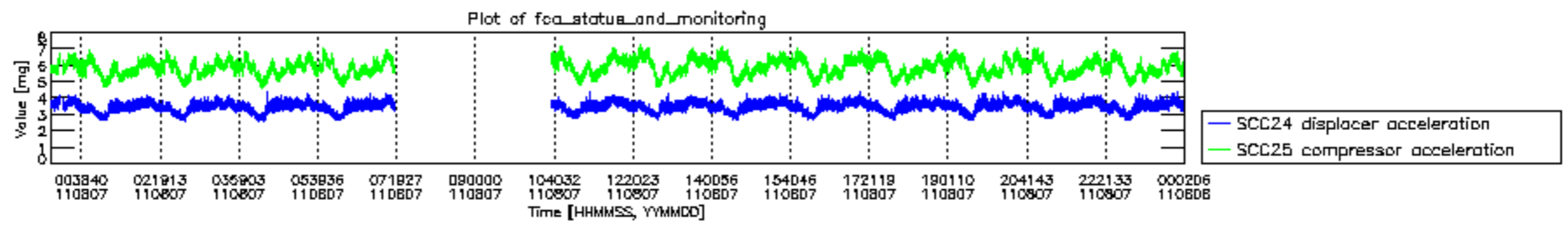












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

