

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	10JAN2011 05:23:50
Data source version	KSPT_L0/4504-N
Processing scope for products	05JAN2011 00:00:00 to 06JAN2011 00:00:00
Start time of first product within scope	05JAN2011 00:39:06
Stop time of last product within scope	06JAN2011 00:02:37
Total number of level 0 products	14
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__0PNPDE20110105_003906_000058093098_00131_46266_2653.N1	05JAN2011 00:39:06	05JAN2011 02:15:55	0	0	0	0	0
1	MIP_NL__0PNPDE20110105_021457_000044963098_00132_46267_2654.N1	05JAN2011 02:14:57	05JAN2011 03:29:52	0	0	0	0	0
2	MIP_NL__0PNPDE20110105_032919_000061483098_00133_46268_2655.N1	05JAN2011 03:29:19	05JAN2011 05:11:47	0	0	0	0	0
3	MIP_NL__0PNPDE20110105_051113_000060833098_00134_46269_2656.N1	05JAN2011 05:11:13	05JAN2011 06:52:37	0	0	0	0	0
4	MIP_NL__0PNPDK20110105_065155_000039503098_00135_46270_3898.N1	05JAN2011 06:51:55	05JAN2011 07:57:45	0	0	0	0	0
5	MIP_NL__0PNPDK20110105_075609_000063253098_00136_46271_3899.N1	05JAN2011 07:56:09	05JAN2011 09:41:34	0	0	0	0	0
6	MIP_NL__0PNPDK20110105_093956_000058993098_00137_46272_3900.N1	05JAN2011 09:39:56	05JAN2011 11:18:15	0	0	0	0	0
7	MIP_NL__0PNPDK20110105_111656_000060353098_00138_46273_3901.N1	05JAN2011 11:16:56	05JAN2011 12:57:31	0	0	0	0	0
8	MIP_NL__0PNPDK20110105_125632_000060393098_00139_46274_3902.N1	05JAN2011 12:56:32	05JAN2011 14:37:12	0	0	0	0	0
9	MIP_NL__0PNPDK20110105_143615_000058183098_00140_46275_3903.N1	05JAN2011 14:36:15	05JAN2011 16:13:13	0	0	0	0	0
10	MIP_NL__0PNPDK20110105_175049_000058643098_00142_46277_3905.N1	05JAN2011 17:50:49	05JAN2011 19:28:33	0	0	0	0	0
11	MIP_NL__0PNPDK20110105_192705_000062593098_00143_46278_3906.N1	05JAN2011 19:27:05	05JAN2011 21:11:24	0	0	0	0	0
12	MIP_NL__0PNPDE20110105_211025_000042413098_00144_46279_2657.N1	05JAN2011 21:10:25	05JAN2011 22:21:06	0	0	0	0	0
13	MIP_NL__0PNPDE20110105_221936_000061813098_00144_46279_2658.N1	05JAN2011 22:19:36	06JAN2011 00:02:37	0	0	0	0	0

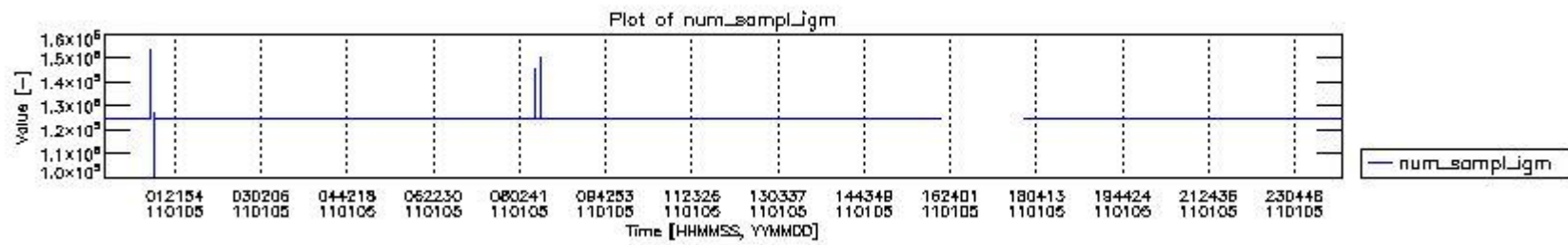
0.2 Instrument Operational Performance Parameters

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.

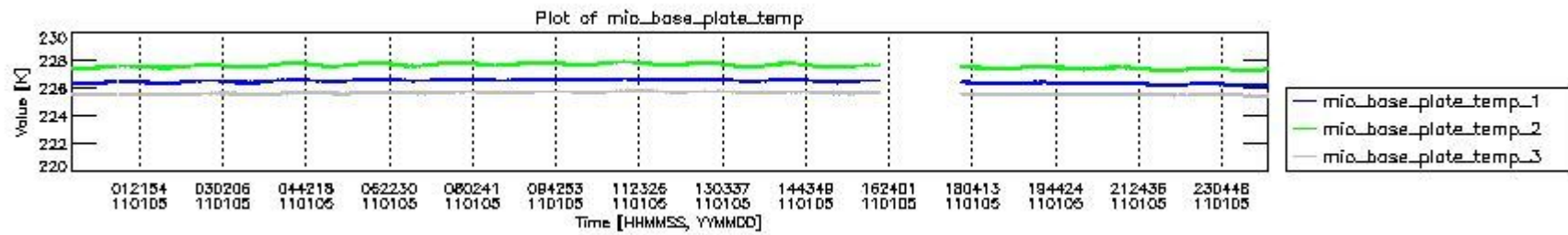
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100706	1	0.0025799794
124800	36023	92.938596
124803	2725	7.0304438
125003	1	0.0025799794

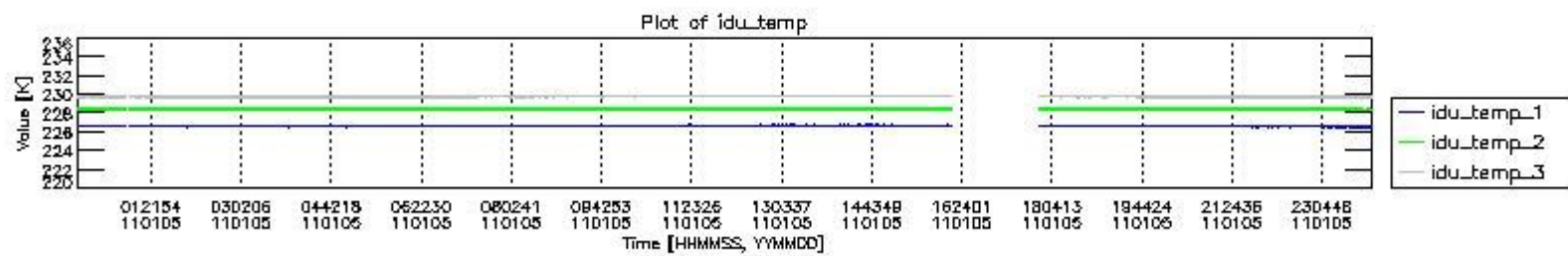
125958	1	0.0025799794
127116	1	0.0025799794
127605	1	0.0025799794
129317	1	0.0025799794
145135	1	0.0025799794
145338	1	0.0025799794
147737	1	0.0025799794
149446	1	0.0025799794
150542	1	0.0025799794
153960	1	0.0025799794



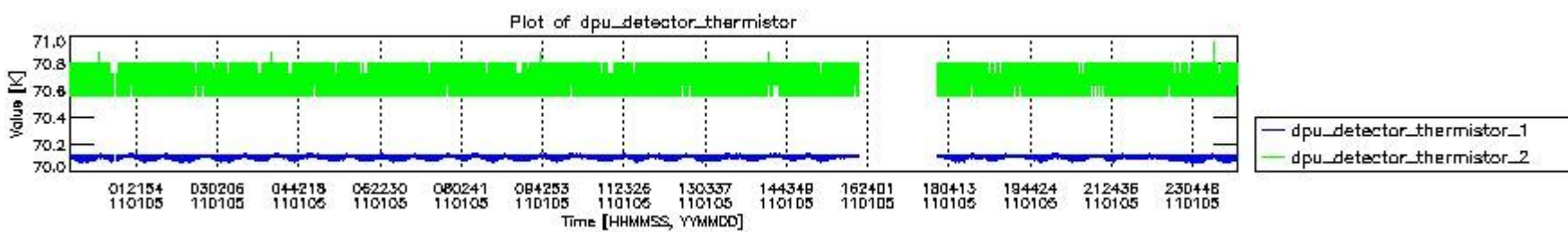
mipas_daily_report_level0_KSPT_L0_4504_N_20110105_0.PNG



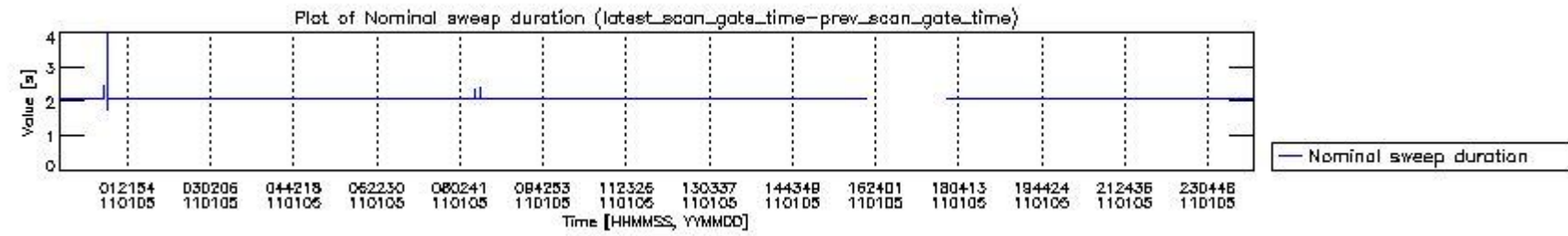
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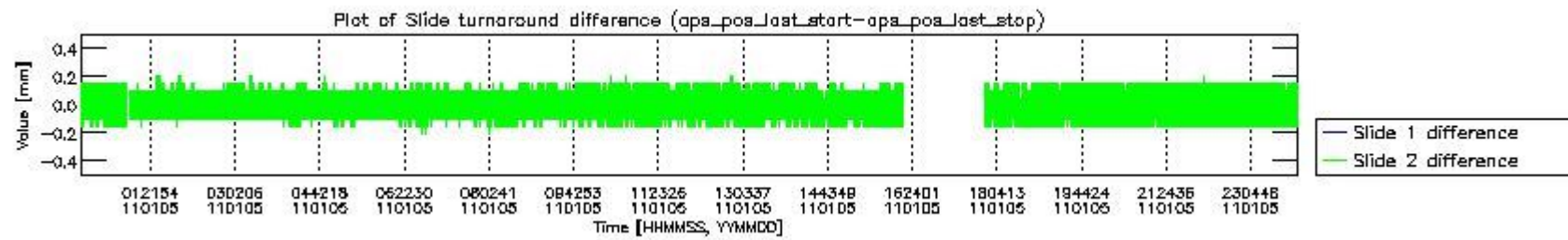
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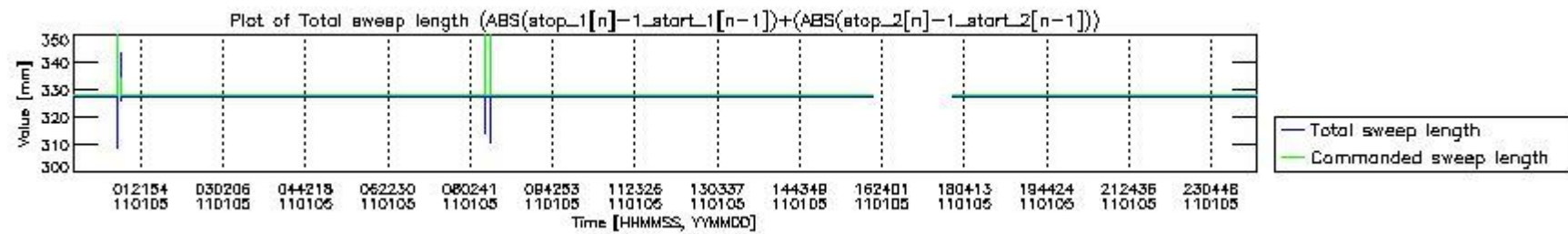
mipas_daily_report_level0_KSPT_L0_4504_N_20110105_3.PNG



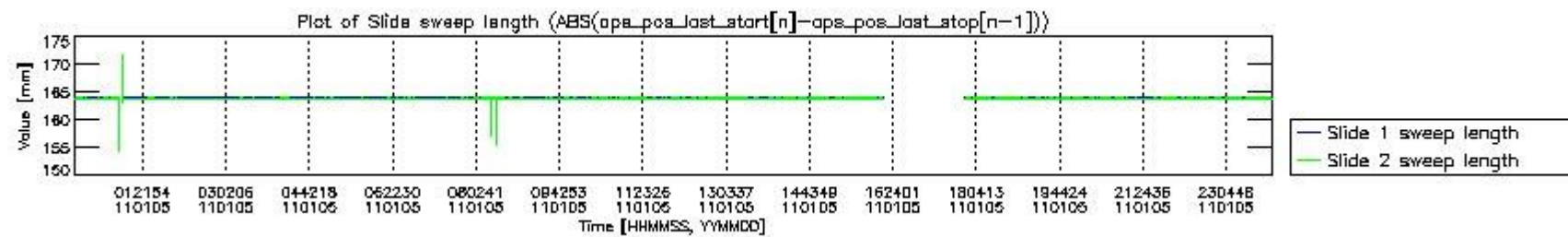
mipas_daily_report_level0_KSPT_L0_4504_N_20110105_4.PNG



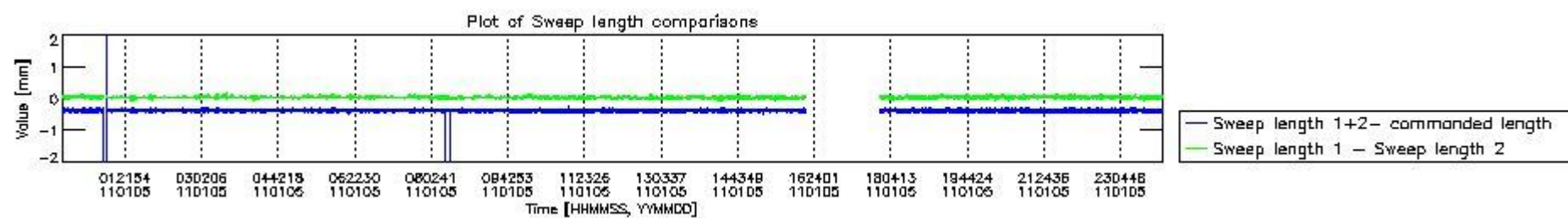
mipas_daily_report_level0_KSPT_L0_4504_N_20110105_5.PNG



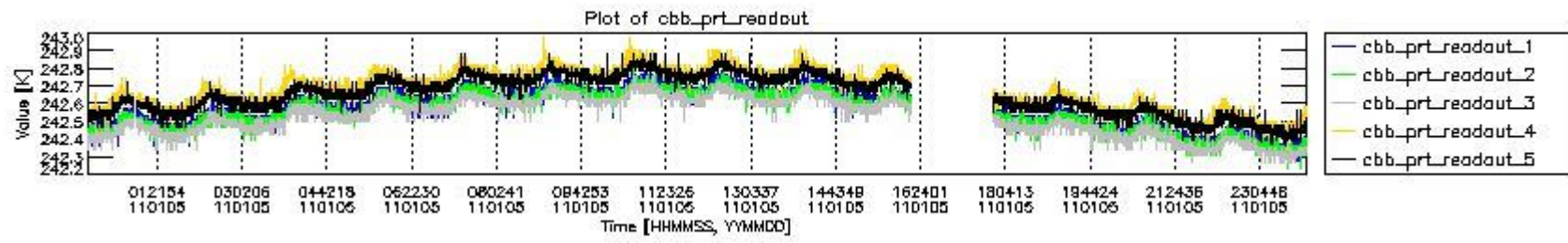
mipas_daily_report_level0_KSPT_L0_4504_N_20110105_6.PNG



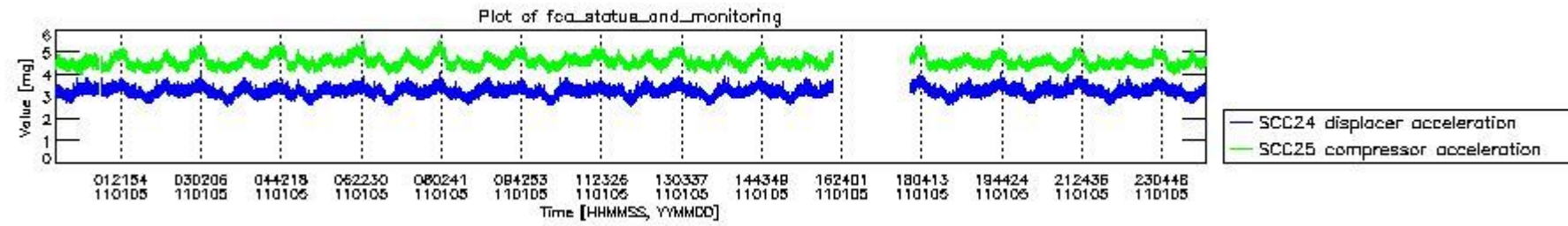
mipas_daily_report_level0_KSPT_L0_4504_N_20110105_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110105_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110105_9.PNG

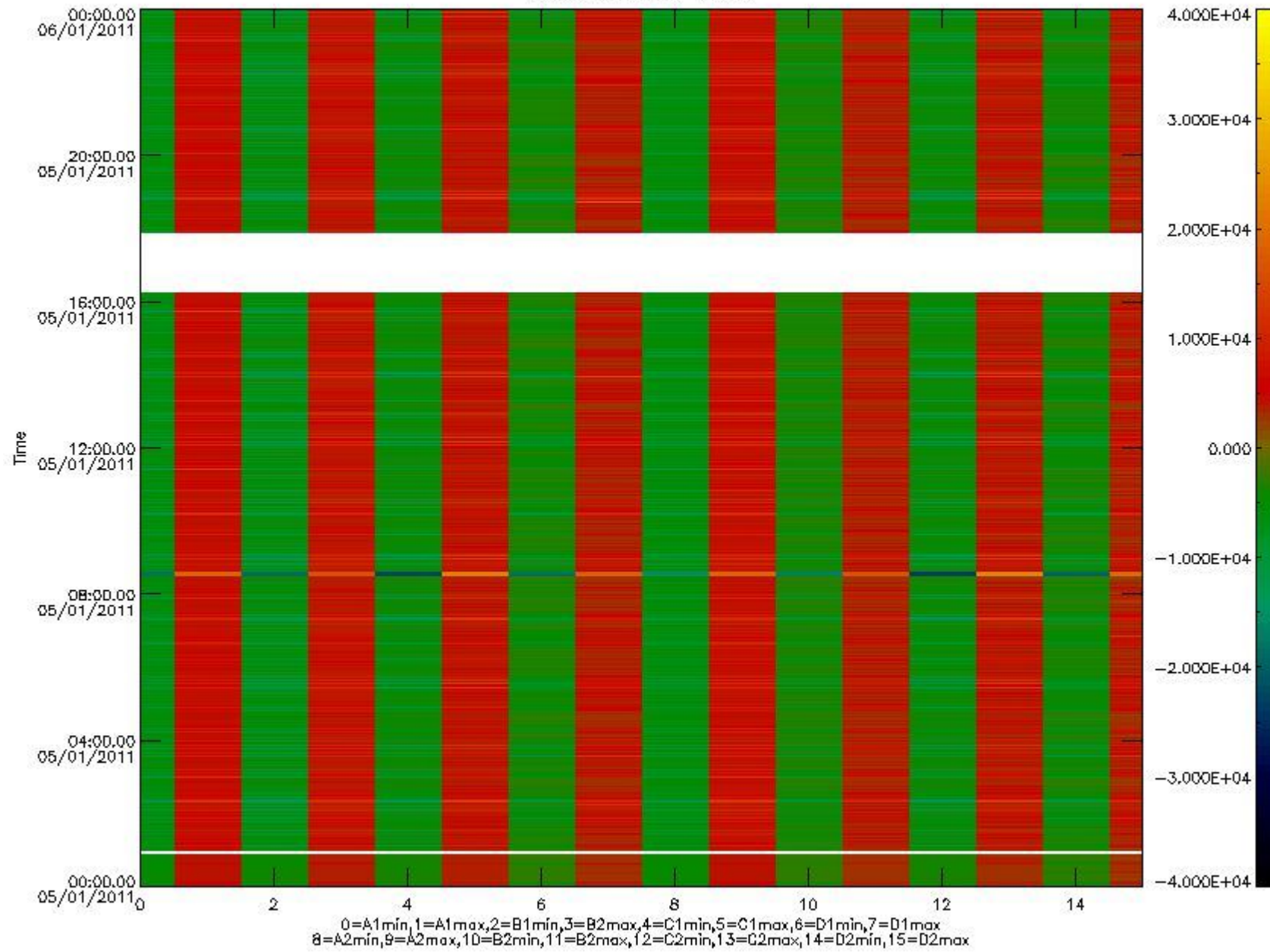


mipas_daily_report_level0_KSPT_L0_4504_N_20110105_10.PNG

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

Channel	Min	Max	ADC
A1	-17888	18965	16bit
B1	-19421	16823	16bit
C1	-23035	22936	16bit
D1	-31735	32767	16bit
A2	-15497	19070	16bit
B2	-17523	17199	16bit
C2	-23965	23598	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_20110105_11.PNG

0.3 ADF monitoring

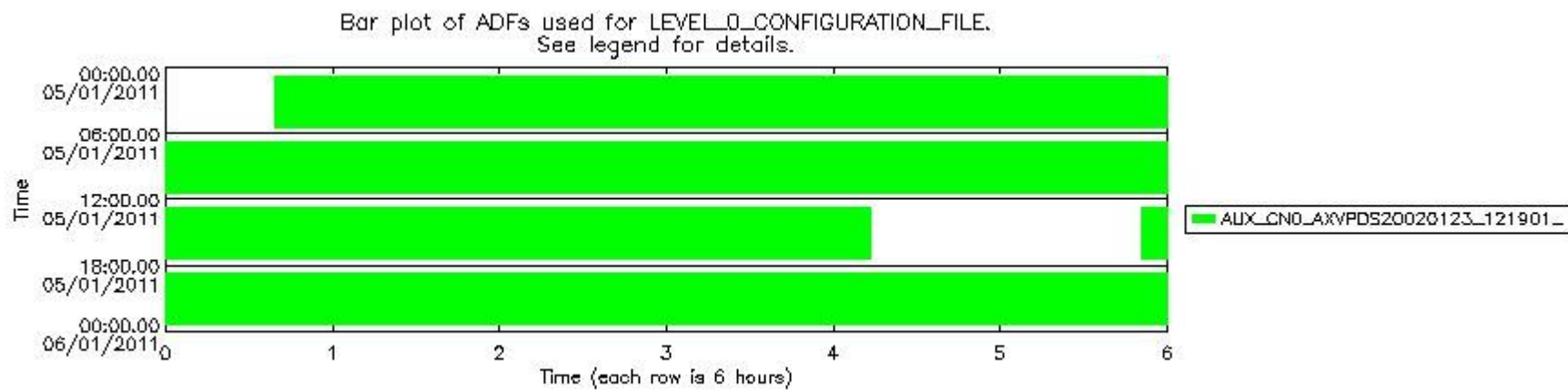
The use of ADFs is shown in two ways:

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.

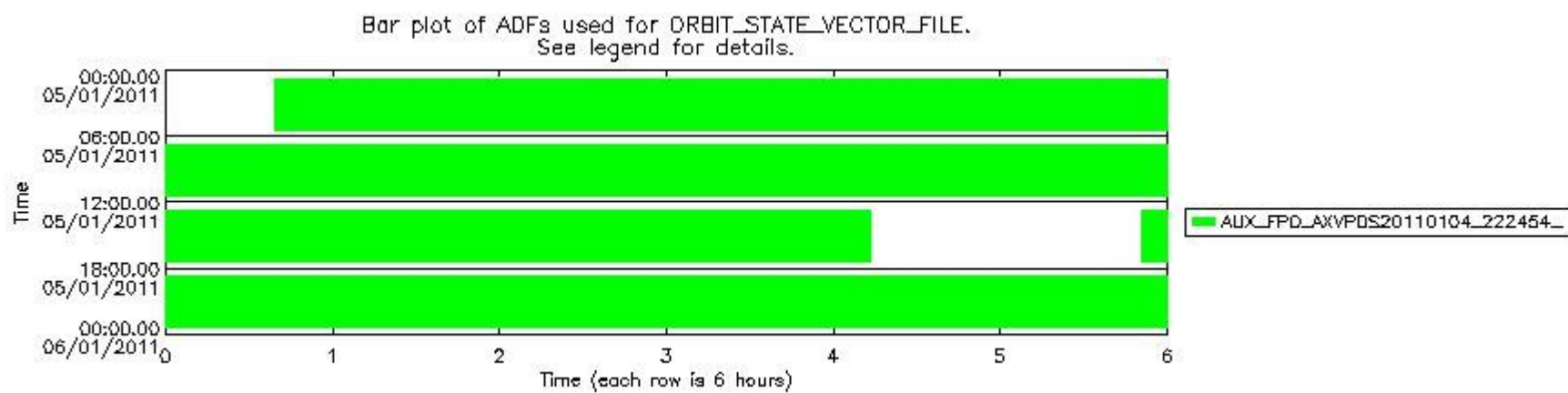
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110104_222454_20110104_194910_20110114_202248

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110105_003906_000058093098_00131_46266_2653.N1	0	1

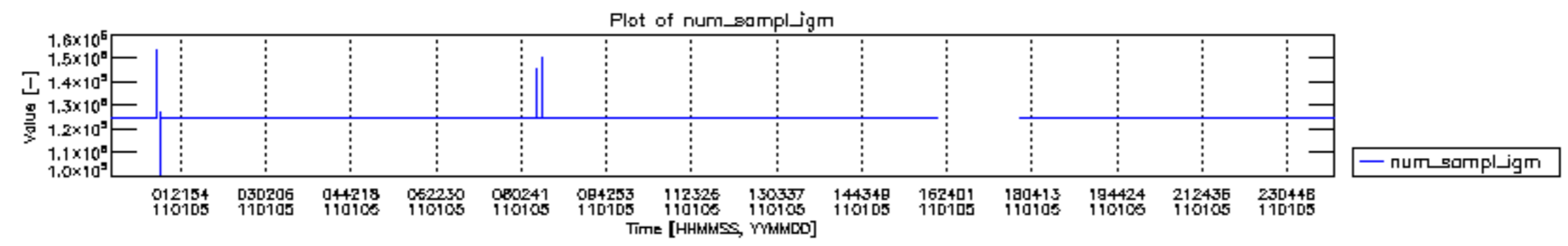
1	MIP_NL__0PNPDE20110105_021457_000044963098_00132_46267_2654.N1	0	1
2	MIP_NL__0PNPDE20110105_032919_000061483098_00133_46268_2655.N1	0	1
3	MIP_NL__0PNPDE20110105_051113_000060833098_00134_46269_2656.N1	0	1
4	MIP_NL__0PNPDK20110105_065155_000039503098_00135_46270_3898.N1	0	1
5	MIP_NL__0PNPDK20110105_075609_000063253098_00136_46271_3899.N1	0	1
6	MIP_NL__0PNPDK20110105_093956_000058993098_00137_46272_3900.N1	0	1
7	MIP_NL__0PNPDK20110105_111656_000060353098_00138_46273_3901.N1	0	1
8	MIP_NL__0PNPDK20110105_125632_000060393098_00139_46274_3902.N1	0	1
9	MIP_NL__0PNPDK20110105_143615_000058183098_00140_46275_3903.N1	0	1
10	MIP_NL__0PNPDK20110105_175049_000058643098_00142_46277_3905.N1	0	1
11	MIP_NL__0PNPDK20110105_192705_000062593098_00143_46278_3906.N1	0	1
12	MIP_NL__0PNPDE20110105_211025_000042413098_00144_46279_2657.N1	0	1
13	MIP_NL__0PNPDE20110105_221936_000061813098_00144_46279_2658.N1	0	1

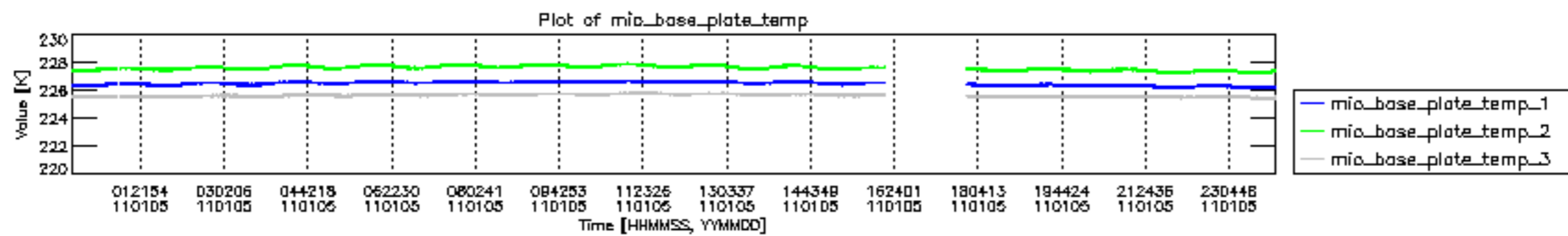


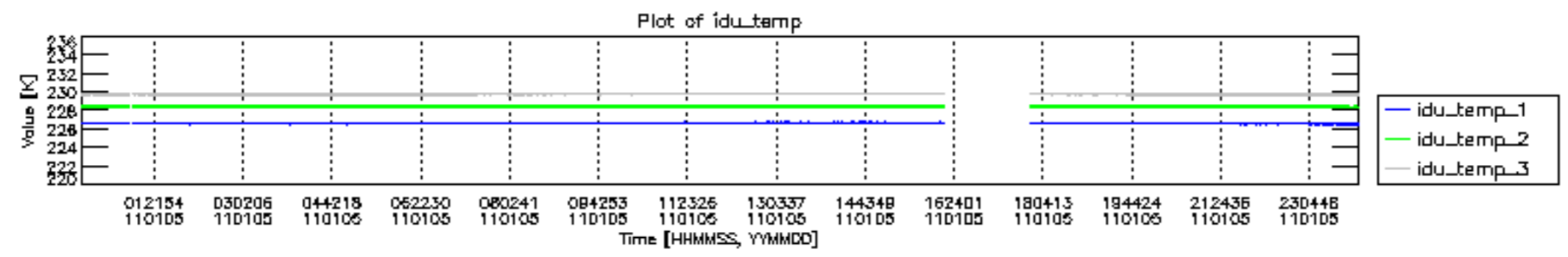
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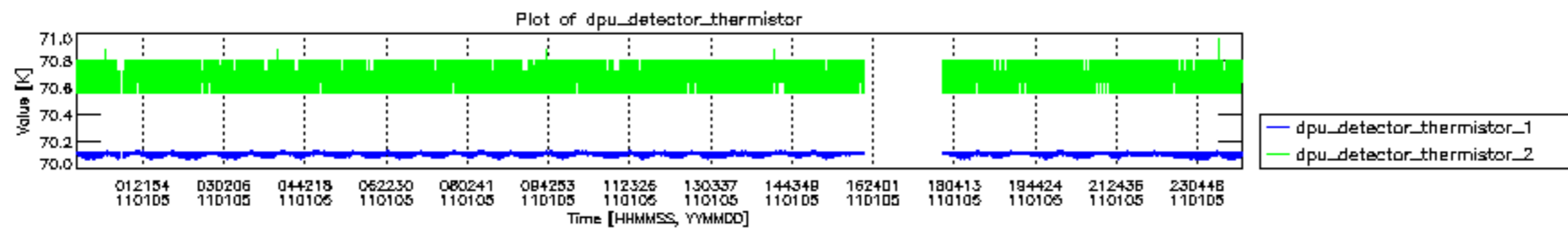


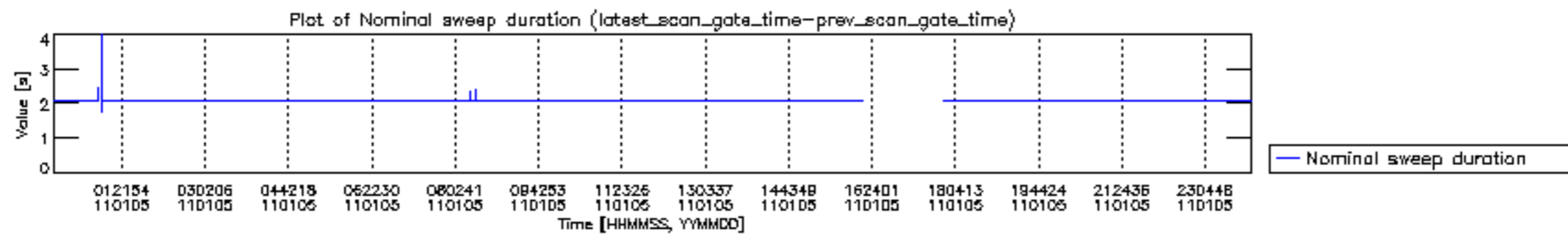
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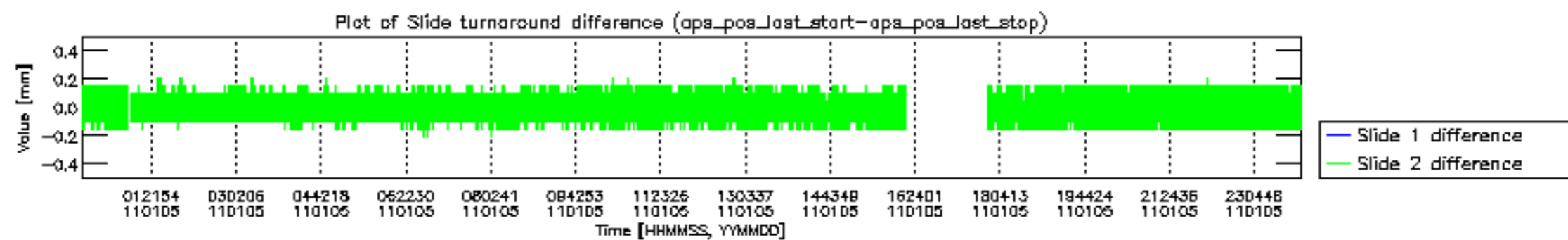


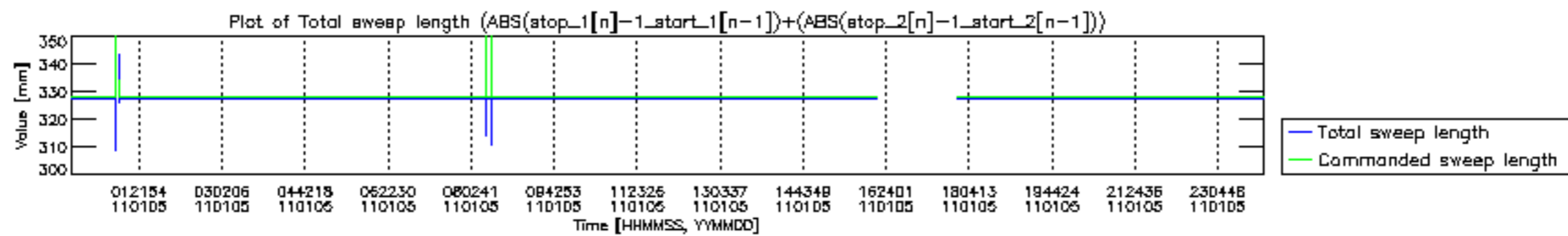


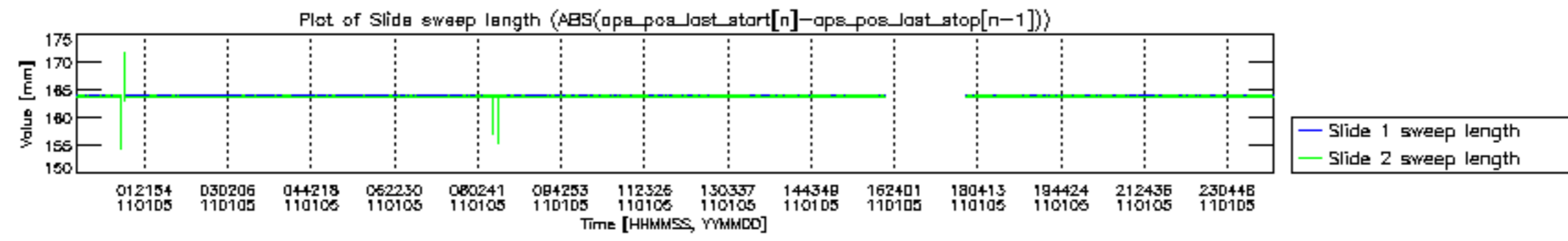


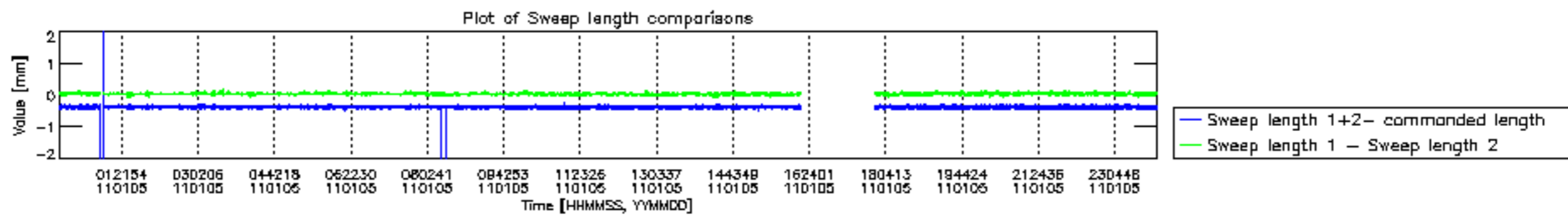


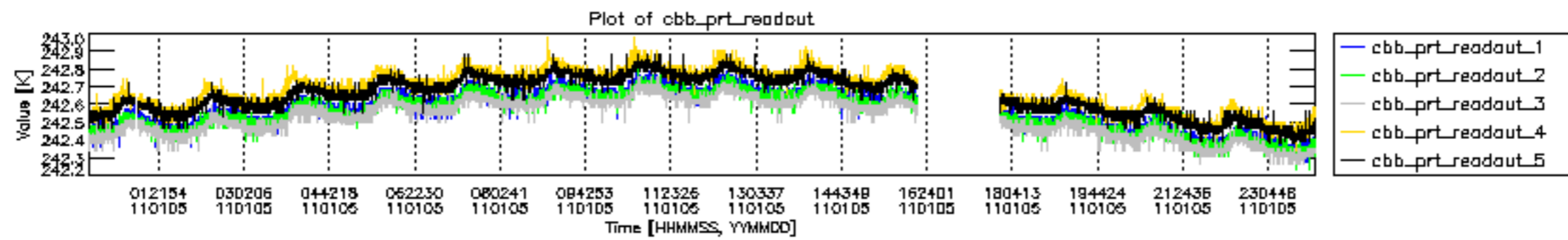


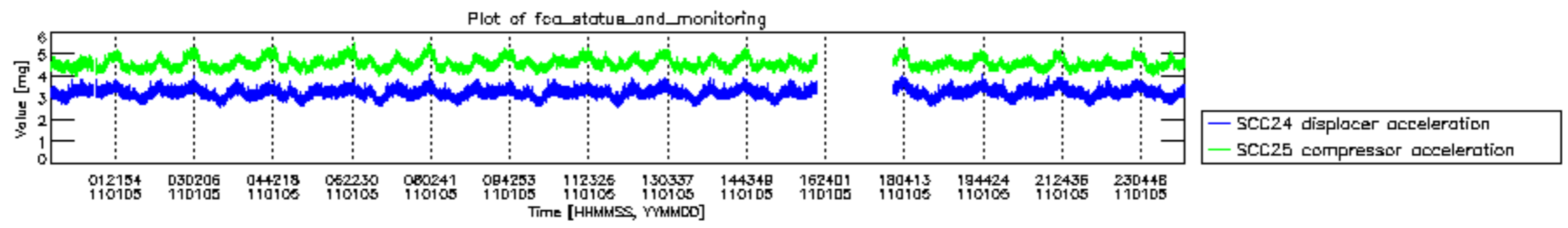












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

