

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	25MAR2011 05:23:15
Data source version	KSPT_L0/4504-N
Processing scope for products	20MAR2011 00:00:00 to 21MAR2011 00:00:00
Start time of first product within scope	20MAR2011 00:25:31
Stop time of last product within scope	21MAR2011 01:29:55
Total number of level 0 products	16
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__0PNPDE20110320_002531_000058793100_00332_47329_3143.N1	20MAR2011 00:25:31	20MAR2011 02:03:30	0	0	0	0	0
1	MIP_NL__0PNPDE20110320_020224_000045333100_00333_47330_3144.N1	20MAR2011 02:02:24	20MAR2011 03:17:57	0	0	0	0	0
2	MIP_NL__0PNPDE20110320_031721_000061673100_00334_47331_3145.N1	20MAR2011 03:17:21	20MAR2011 05:00:08	0	0	0	0	0
3	MIP_NL__0PNPDE20110320_045935_000060713100_00335_47332_3146.N1	20MAR2011 04:59:35	20MAR2011 06:40:45	0	0	0	0	0
4	MIP_NL__0PNPDK20110320_064012_000040423100_00336_47333_4610.N1	20MAR2011 06:40:12	20MAR2011 07:47:34	0	0	0	0	0
5	MIP_NL__0PNPDK20110320_074701_000061203100_00337_47334_4611.N1	20MAR2011 07:47:01	20MAR2011 09:29:01	0	0	0	0	0
6	MIP_NL__0PNPDK20110320_092821_000060003100_00338_47335_4612.N1	20MAR2011 09:28:21	20MAR2011 11:08:21	0	0	0	0	0
7	MIP_NL__0PNPDK20110320_110737_000059453100_00339_47336_4613.N1	20MAR2011 11:07:37	20MAR2011 12:46:42	0	0	0	0	0
8	MIP_NL__0PNPDK20110320_124556_000058933100_00340_47337_4614.N1	20MAR2011 12:45:56	20MAR2011 14:24:09	0	0	0	0	0
9	MIP_NL__0PNPDK20110320_142315_000058953100_00341_47338_4615.N1	20MAR2011 14:23:15	20MAR2011 16:01:30	0	0	0	0	0
10	MIP_NL__0PNPDK20110320_155956_000059493100_00342_47339_4616.N1	20MAR2011 15:59:56	20MAR2011 17:39:06	0	0	0	0	0
11	MIP_NL__0PNPDK20110320_173807_000060003100_00343_47340_4617.N1	20MAR2011 17:38:07	20MAR2011 19:18:07	0	0	0	0	0
12	MIP_NL__0PNPDK20110320_191620_000061003100_00344_47341_4618.N1	20MAR2011 19:16:20	20MAR2011 20:58:00	1	1	0	0	0
13	MIP_NL__0PNPDE20110320_205653_000043683100_00345_47342_3147.N1	20MAR2011 20:56:53	20MAR2011 22:09:41	0	0	0	0	0
14	MIP_NL__0PNPDE20110320_220839_000060943100_00345_47342_3148.N1	20MAR2011 22:08:39	20MAR2011 23:50:12	0	0	0	0	0
15	MIP_NL__0PNPDE20110320_234914_000060413100_00346_47343_3149.N1	20MAR2011 23:49:14	21MAR2011 01:29:55	0	0	0	0	0

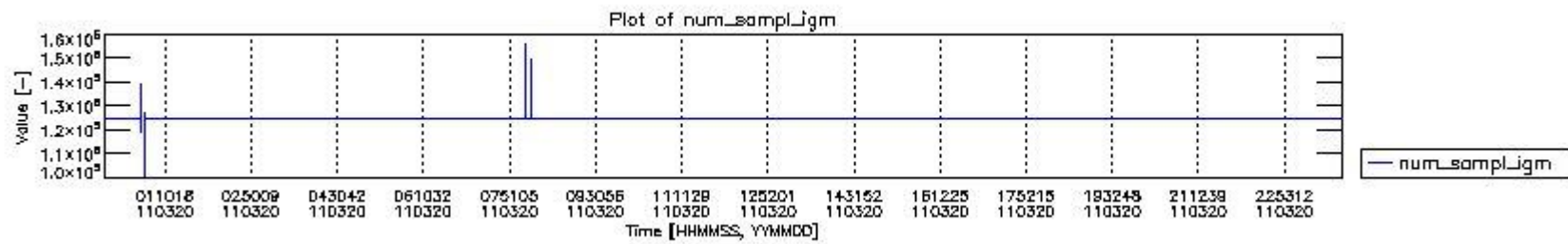
0.2 Instrument Operational Performance Parameters

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.

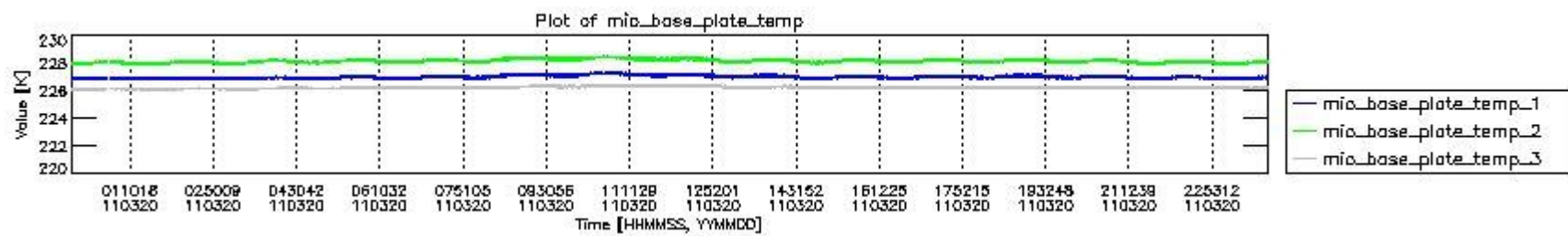
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100557	1	0.0024108585
119204	1	0.0024108585

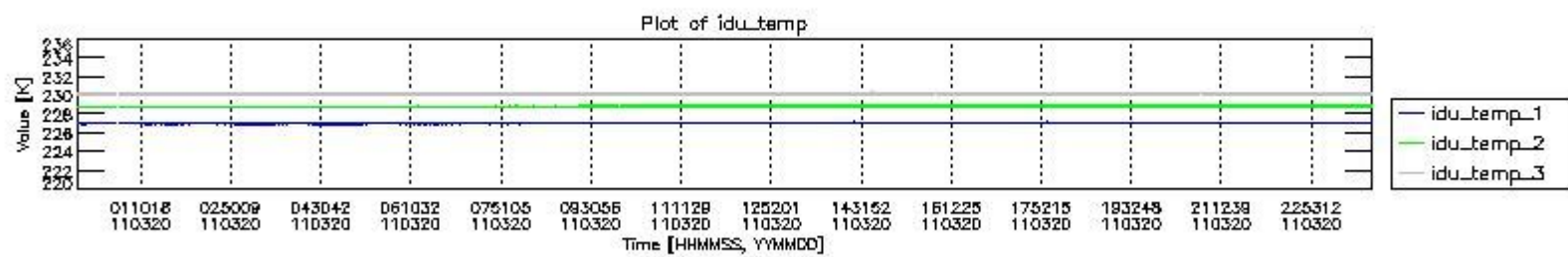
124800	38693	93.283348
124803	2774	6.6877215
125809	1	0.0024108585
126818	1	0.0024108585
127308	1	0.0024108585
130356	1	0.0024108585
133740	1	0.0024108585
139336	1	0.0024108585
147440	1	0.0024108585
149948	1	0.0024108585
150488	1	0.0024108585
156044	1	0.0024108585



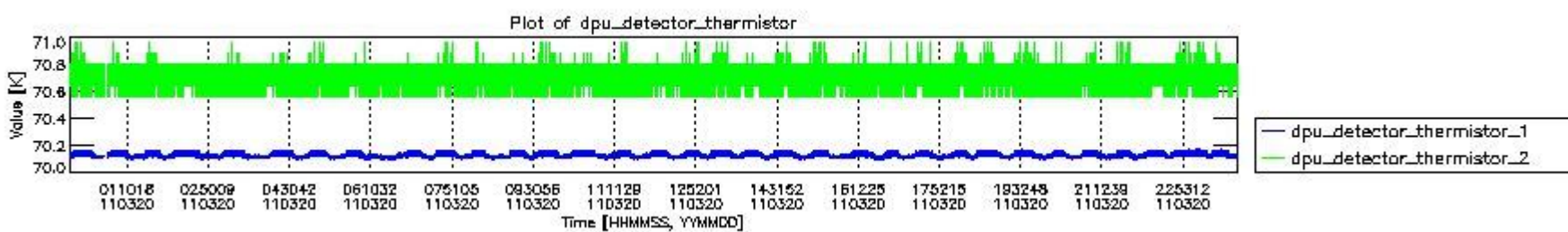
mipas_daily_report_level0_KSPT_L0_4504_N_20110320_0.PNG



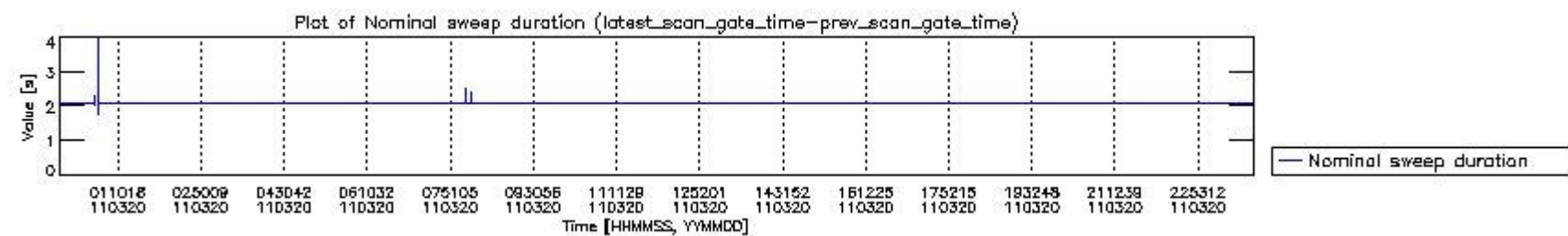
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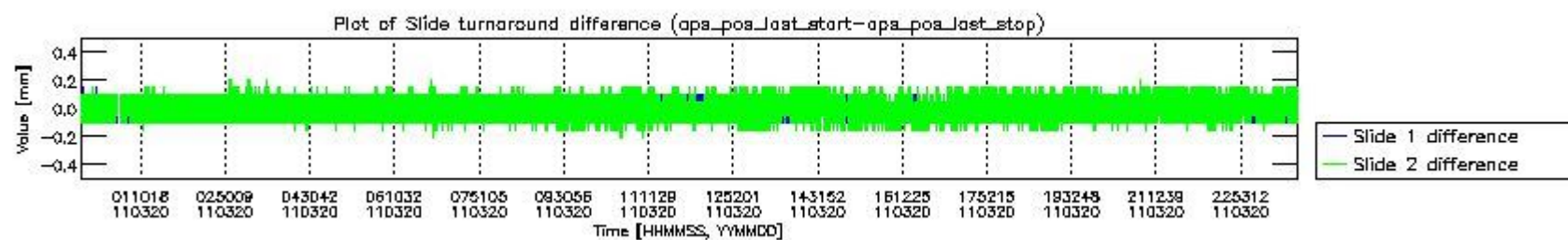
mipas_daily_report_level0_KSPT_L0_4504_N_20110320_2.PNG



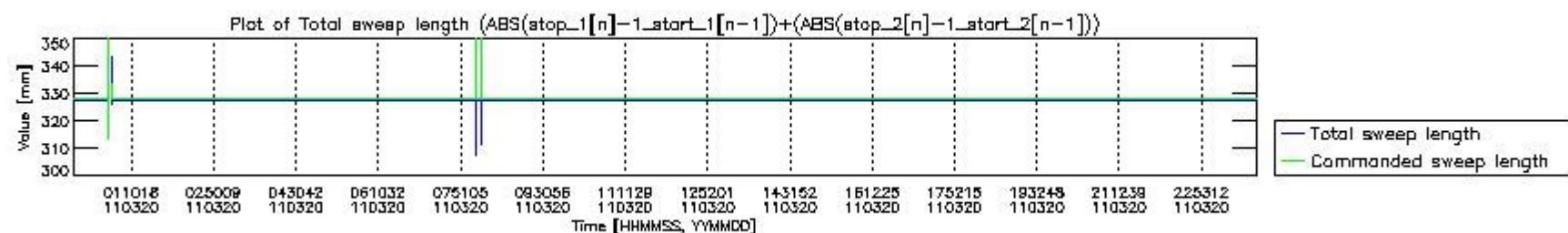
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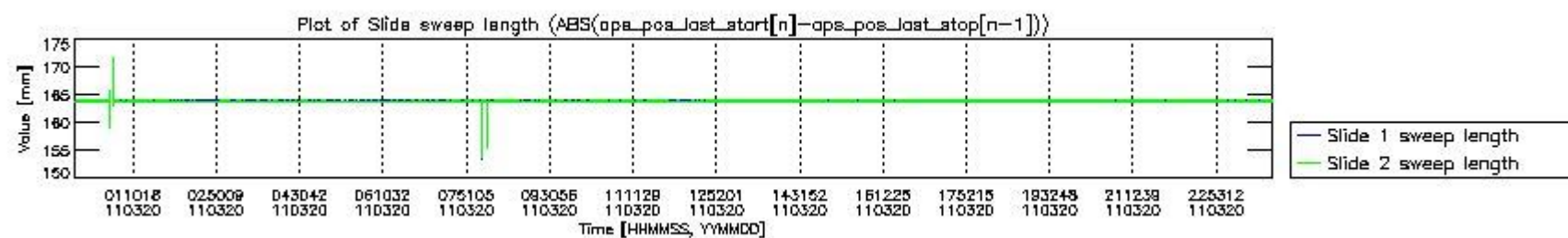
mipas_daily_report_level0_KSPT_L0_4504_N_20110320_4.PNG



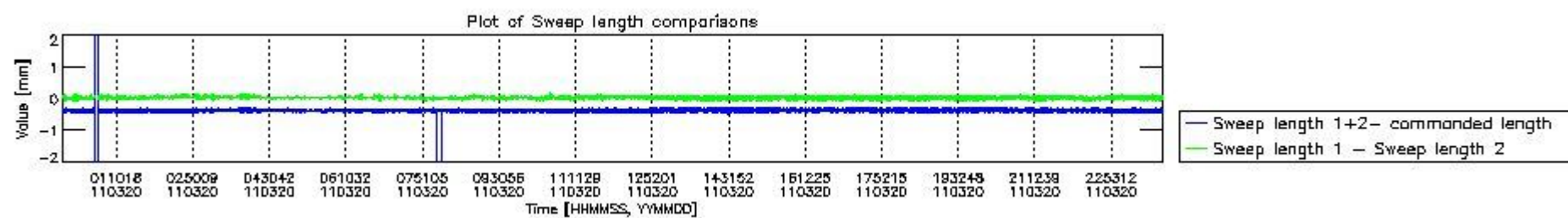
mipas_daily_report_level0_KSPT_L0_4504_N_20110320_5.PNG



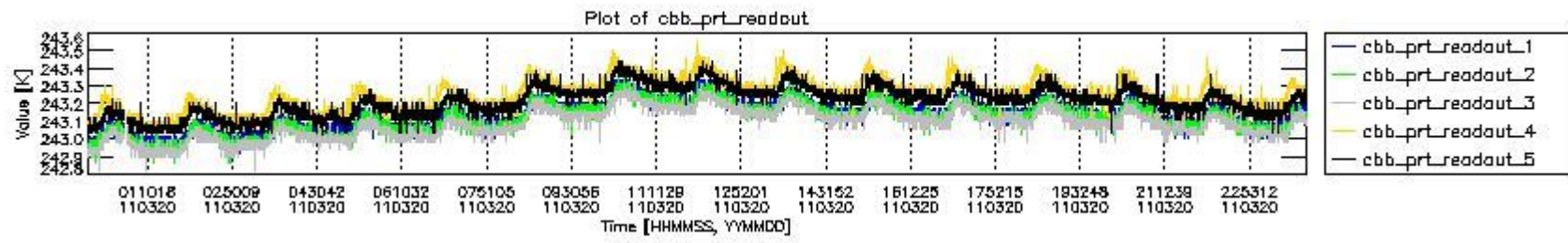
mipas_daily_report_level0_KSPT_L0_4504_N_20110320_6.PNG



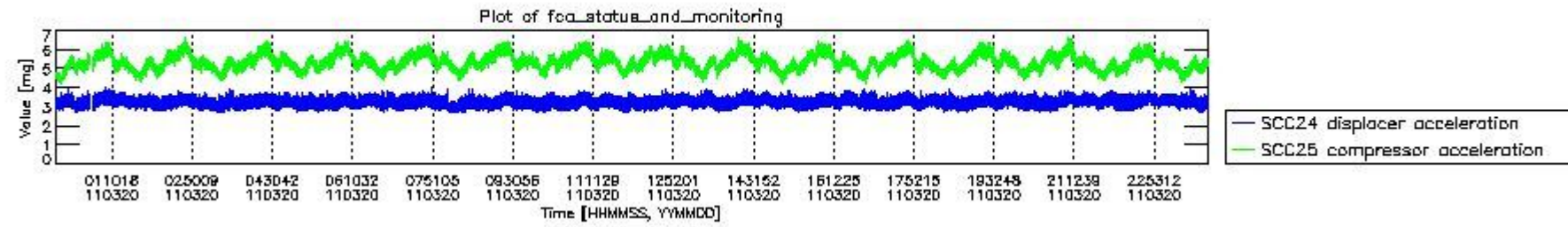
mipas_daily_report_level0_KSPT_L0_4504_N_20110320_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110320_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110320_9.PNG

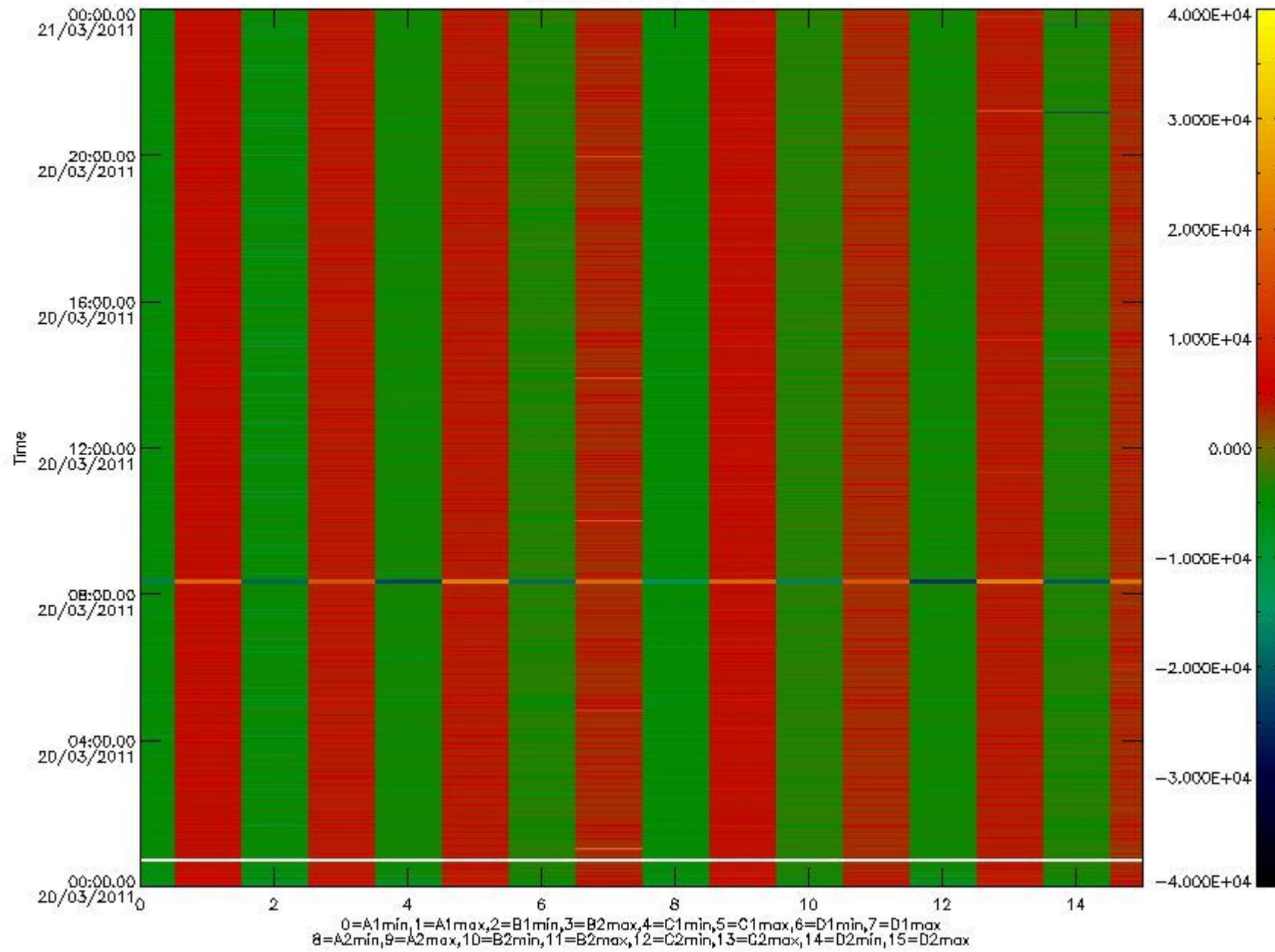


mipas_daily_report_level0_KSPT_L0_4504_N_20110320_10.PNG

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

Channel	Min	Max	ADC
A1	-17720	18758	16bit
B1	-19590	16983	16bit
C1	-25057	23210	16bit
D1	-22475	32767	16bit
A2	-15393	18933	16bit
B2	-17765	17424	16bit
C2	-24316	23889	16bit
D2	-32768	24551	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110320_11.PNG

0.3 ADF monitoring

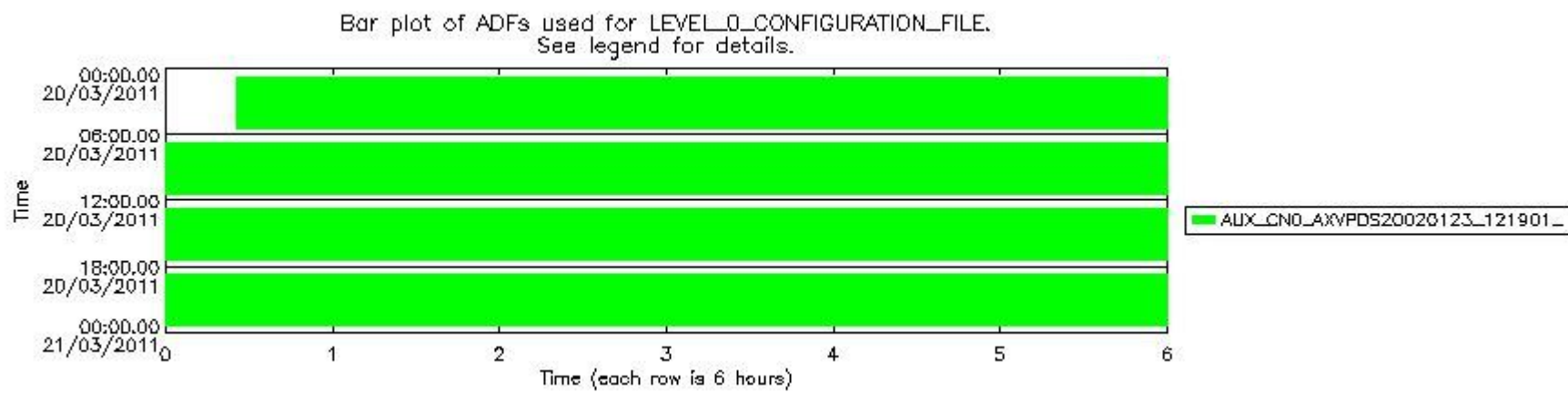
The use of ADFs is shown in two ways:

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.

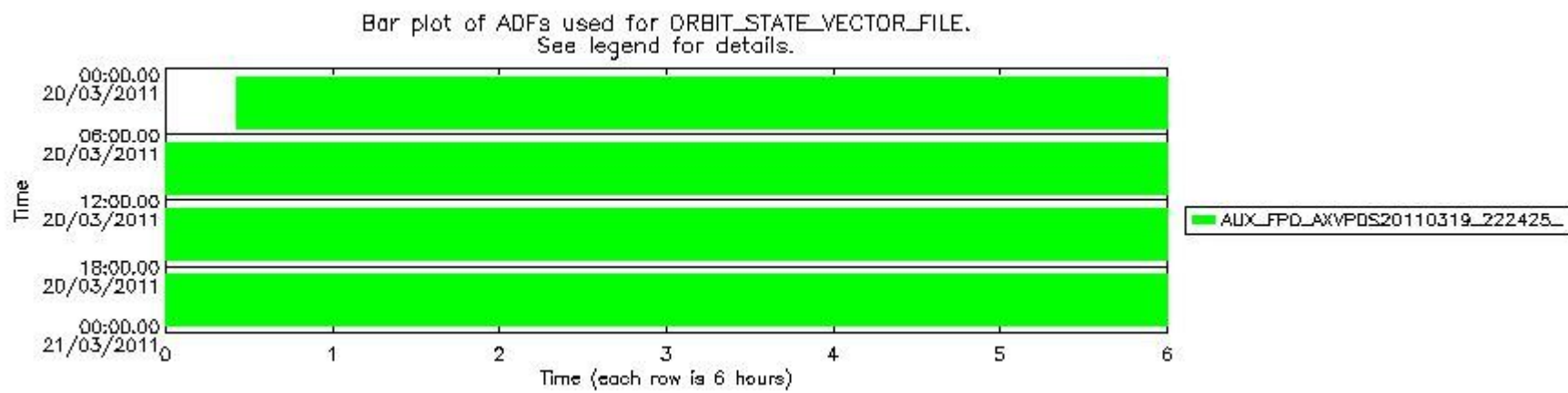
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110319_222425_20110319_193719_20110329_201055

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110320_002531_000058793100_00332_47329_3143.N1	0	1

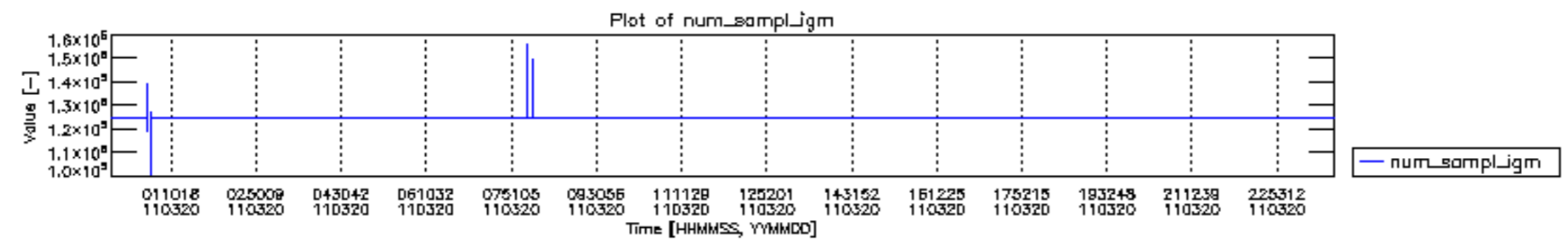
1	MIP_NL__0PNPDE20110320_020224_000045333100_00333_47330_3144.N1	0	1
2	MIP_NL__0PNPDE20110320_031721_000061673100_00334_47331_3145.N1	0	1
3	MIP_NL__0PNPDE20110320_045935_000060713100_00335_47332_3146.N1	0	1
4	MIP_NL__0PNPDK20110320_064012_000040423100_00336_47333_4610.N1	0	1
5	MIP_NL__0PNPDK20110320_074701_000061203100_00337_47334_4611.N1	0	1
6	MIP_NL__0PNPDK20110320_092821_000060003100_00338_47335_4612.N1	0	1
7	MIP_NL__0PNPDK20110320_110737_000059453100_00339_47336_4613.N1	0	1
8	MIP_NL__0PNPDK20110320_124556_000058933100_00340_47337_4614.N1	0	1
9	MIP_NL__0PNPDK20110320_142315_000058953100_00341_47338_4615.N1	0	1
10	MIP_NL__0PNPDK20110320_155956_000059493100_00342_47339_4616.N1	0	1
11	MIP_NL__0PNPDK20110320_173807_000060003100_00343_47340_4617.N1	0	1
12	MIP_NL__0PNPDK20110320_191620_000061003100_00344_47341_4618.N1	0	1
13	MIP_NL__0PNPDE20110320_205653_000043683100_00345_47342_3147.N1	0	1
14	MIP_NL__0PNPDE20110320_220839_000060943100_00345_47342_3148.N1	0	1
15	MIP_NL__0PNPDE20110320_234914_000060413100_00346_47343_3149.N1	0	1

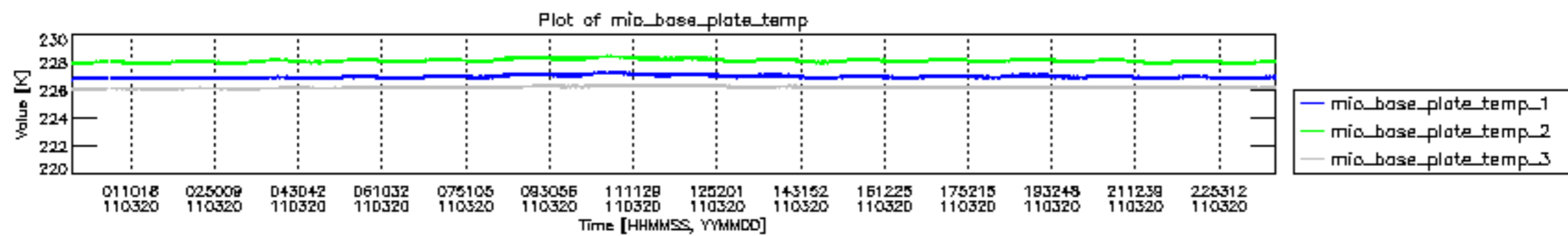


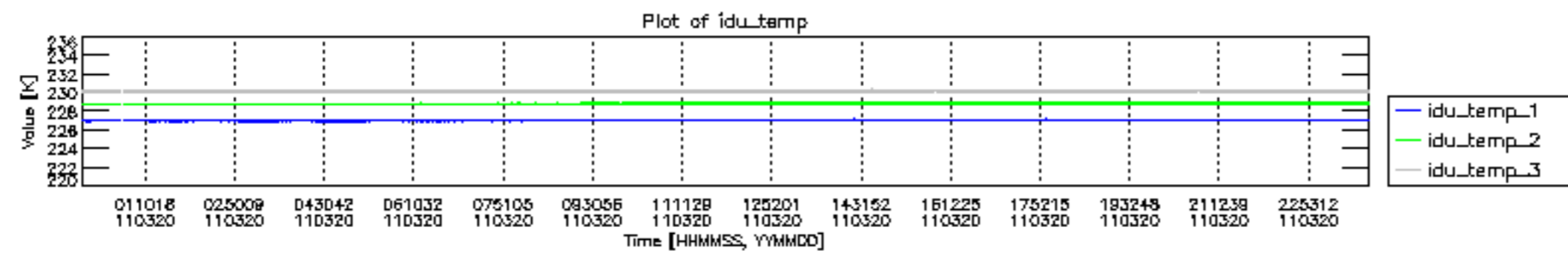
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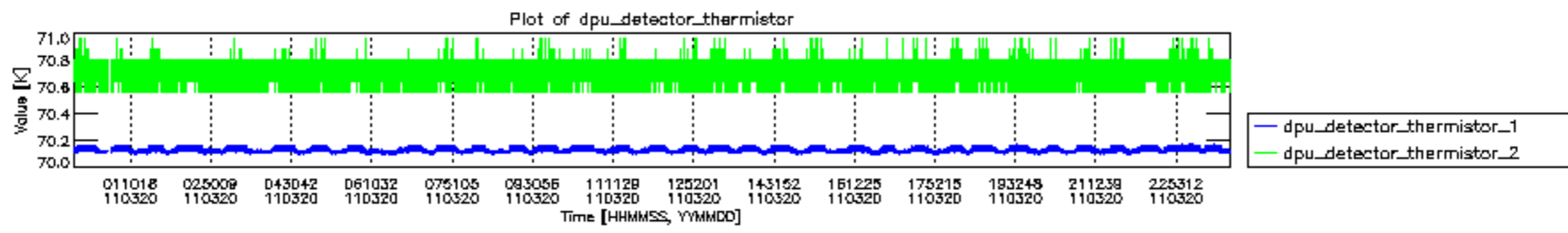


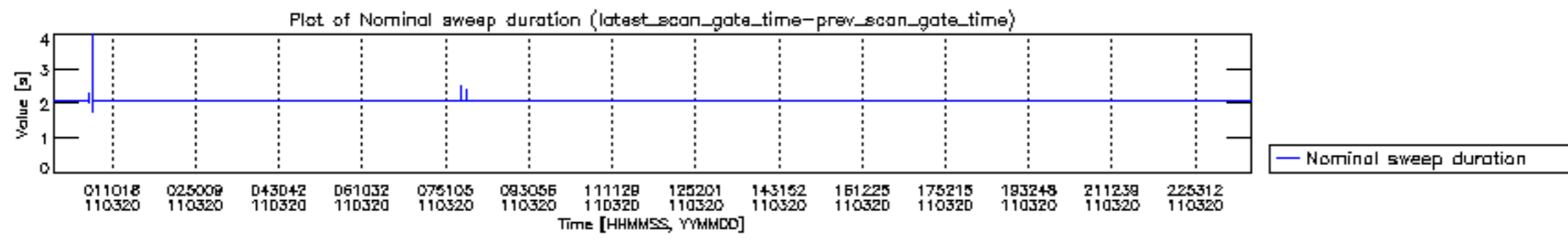
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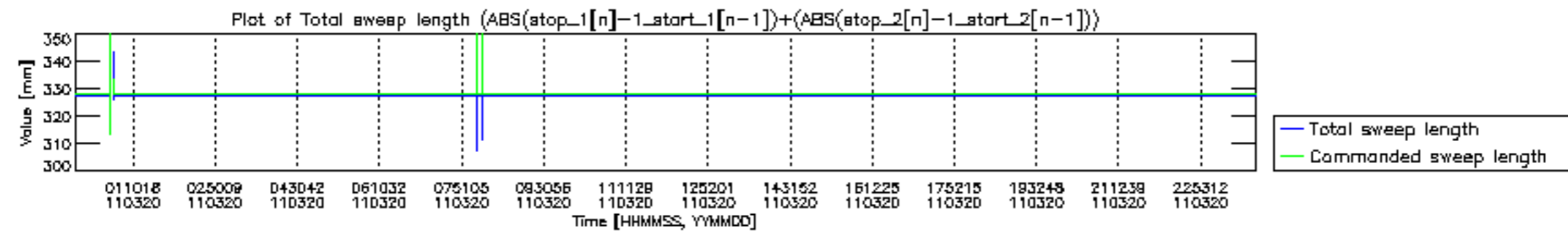


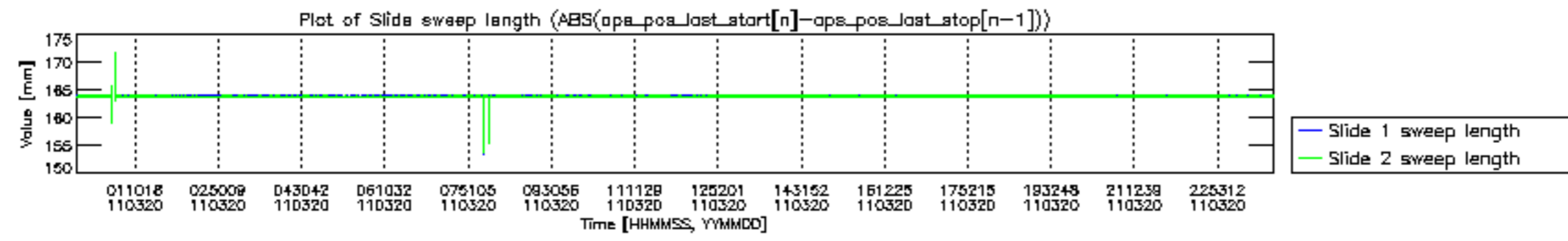


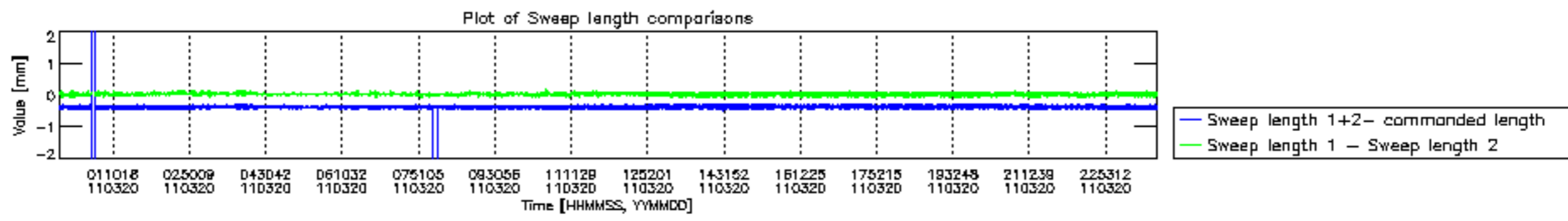


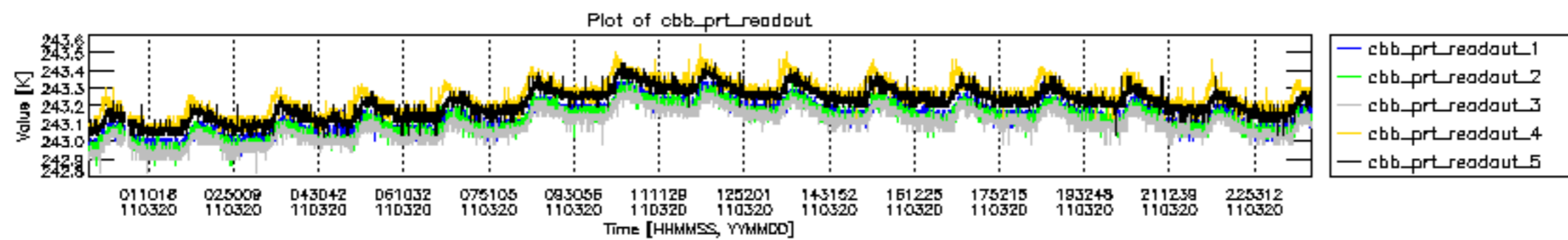


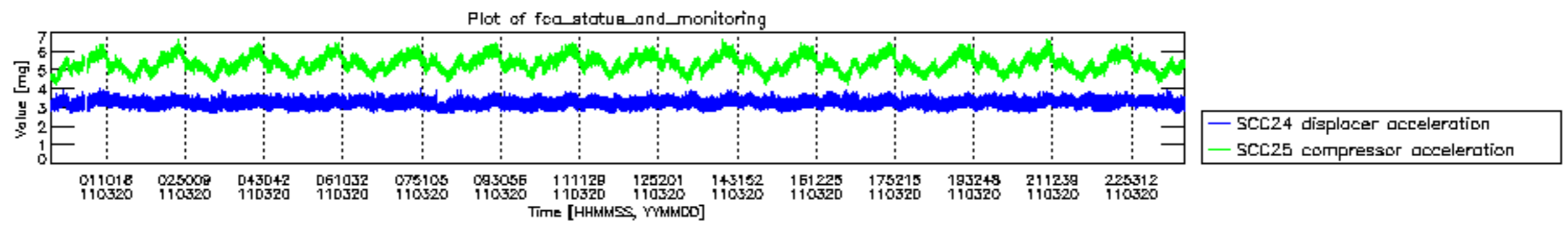












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

