

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	10MAY2011 05:22:09
Data source version	KSPT_L0/4504-N
Processing scope for products	05MAY2011 00:00:00 to 06MAY2011 00:00:00
Start time of first product within scope	05MAY2011 00:41:18
Stop time of last product within scope	06MAY2011 00:05:14
Total number of level 0 products	15
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__0PNPDE20110505_004118_000057853102_00131_47990_3574.N1	05MAY2011 00:41:18	05MAY2011 02:17:43	0	0	0	0	0
1	MIP_NL__0PNPDE20110505_021640_000045443102_00132_47991_3575.N1	05MAY2011 02:16:40	05MAY2011 03:32:24	0	0	0	0	0
2	MIP_NL__0PNPDE20110505_033150_000061773102_00133_47992_3576.N1	05MAY2011 03:31:50	05MAY2011 05:14:47	0	0	0	0	0
3	MIP_NL__0PNPDE20110505_051416_000060083102_00134_47993_3577.N1	05MAY2011 05:14:16	05MAY2011 06:54:24	0	0	0	0	0
4	MIP_NL__0PNPDK20110505_065349_000041113102_00135_47994_5061.N1	05MAY2011 06:53:49	05MAY2011 08:02:20	0	0	0	0	0
5	MIP_NL__0PNPDK20110505_080149_000061063102_00136_47995_5062.N1	05MAY2011 08:01:49	05MAY2011 09:43:34	0	0	0	0	0
6	MIP_NL__0PNPDK20110505_094253_000059393102_00137_47996_5063.N1	05MAY2011 09:42:53	05MAY2011 11:21:52	0	0	0	0	0
7	MIP_NL__0PNPDK20110505_112108_000059933102_00138_47997_5064.N1	05MAY2011 11:21:08	05MAY2011 13:01:01	0	0	0	0	0
8	MIP_NL__0PNPDK20110505_130028_000059473102_00139_47998_5065.N1	05MAY2011 13:00:28	05MAY2011 14:39:35	0	0	0	0	0
9	MIP_NL__0PNPDK20110505_143851_000058643102_00140_47999_5066.N1	05MAY2011 14:38:51	05MAY2011 16:16:35	0	0	0	0	0
10	MIP_NL__0PNPDK20110505_161545_000058203102_00141_48000_5067.N1	05MAY2011 16:15:45	05MAY2011 17:52:45	0	0	0	0	0
11	MIP_NL__0PNPDK20110505_175149_000060483102_00142_48001_5068.N1	05MAY2011 17:51:49	05MAY2011 19:32:37	0	0	0	0	0
12	MIP_NL__0PNPDK20110505_193058_000061193102_00143_48002_5069.N1	05MAY2011 19:30:58	05MAY2011 21:12:57	0	0	0	0	0
13	MIP_NL__0PNPDE20110505_211121_000042953102_00144_48003_3579.N1	05MAY2011 21:11:21	05MAY2011 22:22:56	0	0	0	0	0
14	MIP_NL__0PNPDE20110505_222200_000061943102_00144_48003_3580.N1	05MAY2011 22:22:00	06MAY2011 00:05:14	0	0	0	0	0

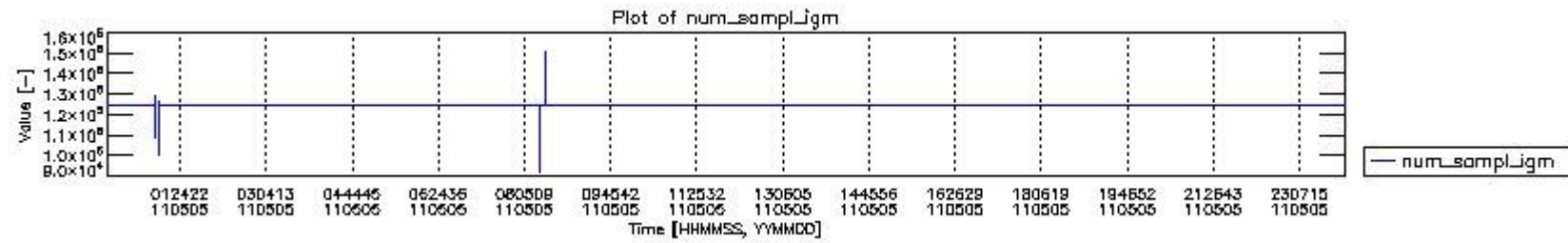
0.2 Instrument Operational Performance Parameters

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.

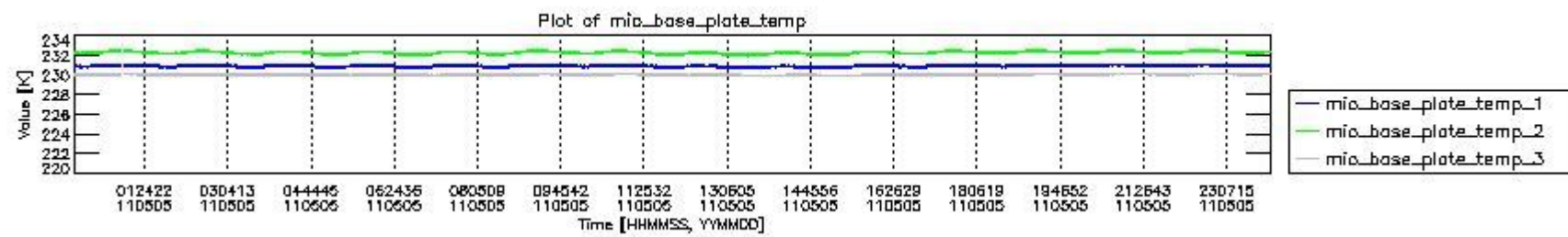
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
91960	1	0.0024083038
98317	1	0.0024083038
100557	1	0.0024083038

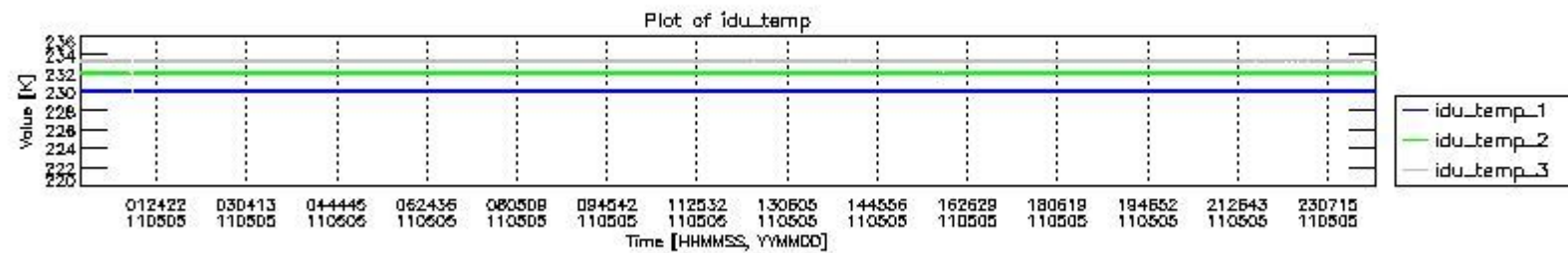
108948	1	0.0024083038
113222	1	0.0024083038
118446	1	0.0024083038
124800	38583	92.919587
124803	2928	7.0515136
125809	1	0.0024083038
126818	1	0.0024083038
127828	1	0.0024083038
129077	1	0.0024083038
147960	1	0.0024083038
150988	1	0.0024083038



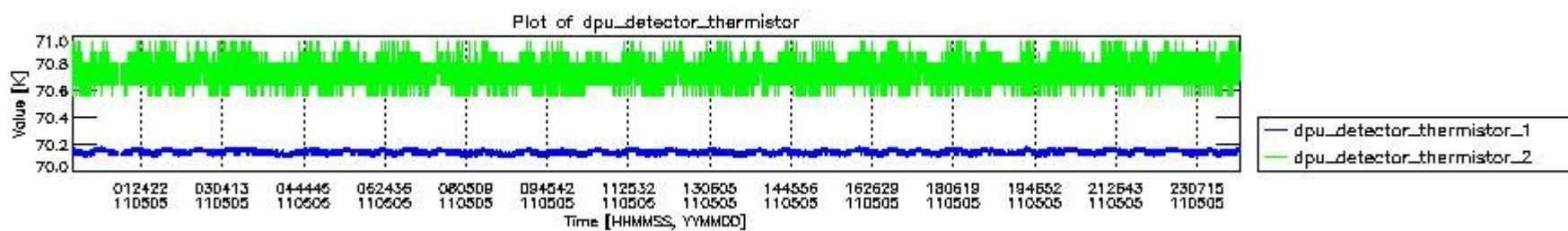
mipas_daily_report_level0_KSPT_L0_4504_N_20110505_0.PNG



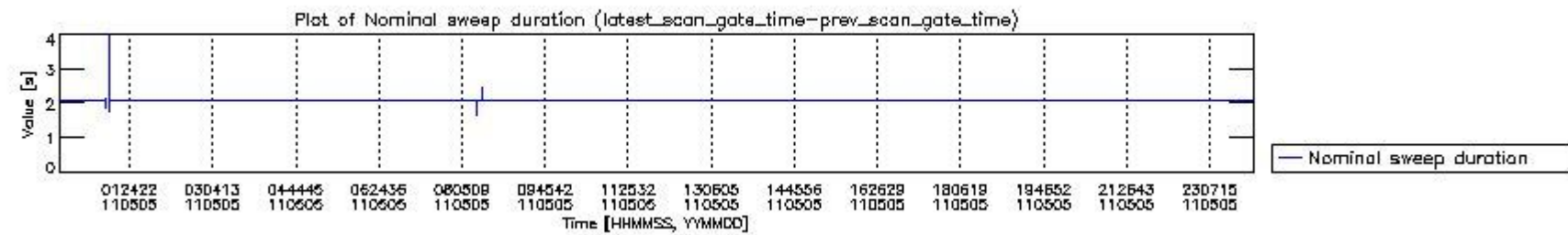
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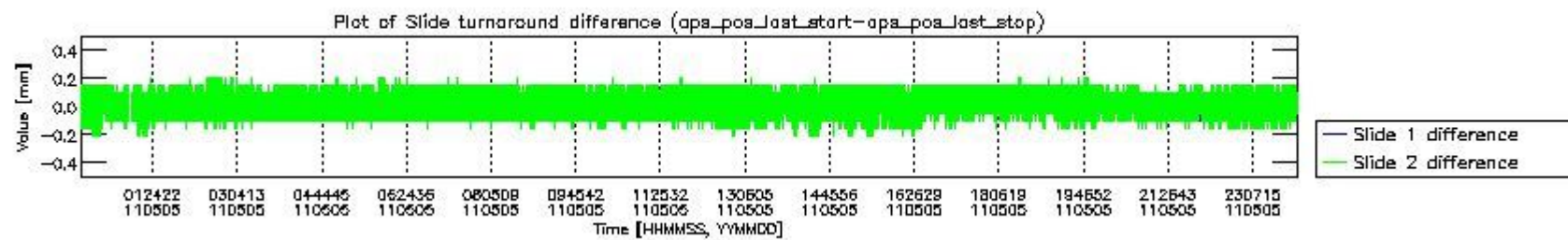
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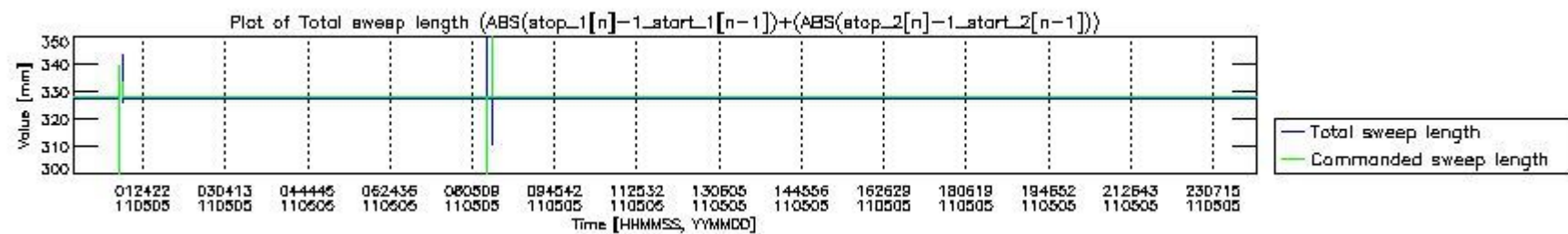
mipas_daily_report_level0_KSPT_L0_4504_N_20110505_3.PNG



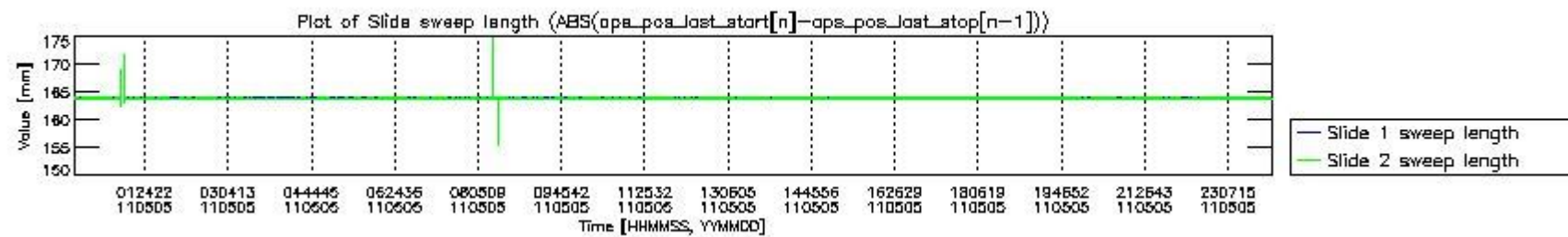
mipas_daily_report_level0_KSPT_L0_4504_N_20110505_4.PNG



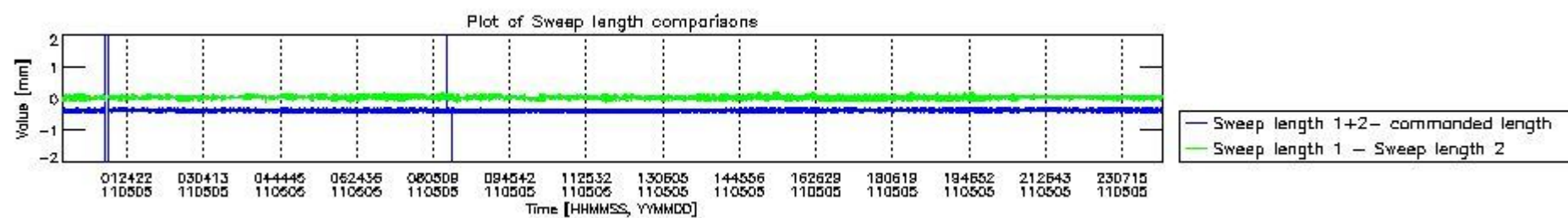
mipas_daily_report_level0_KSPT_L0_4504_N_20110505_5.PNG



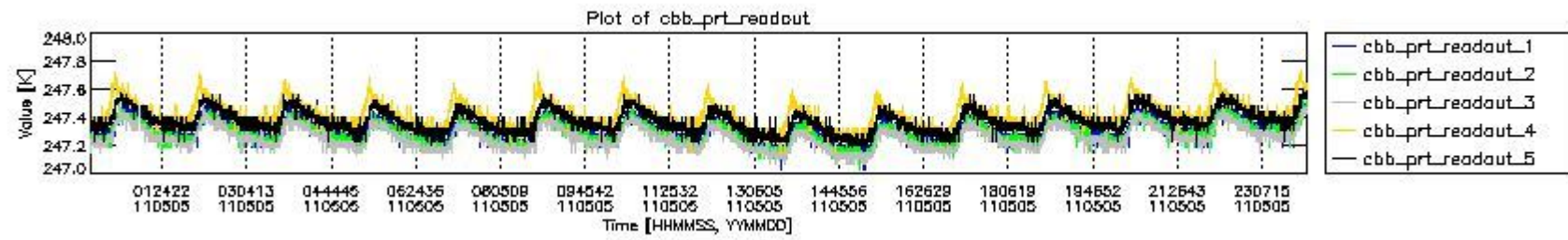
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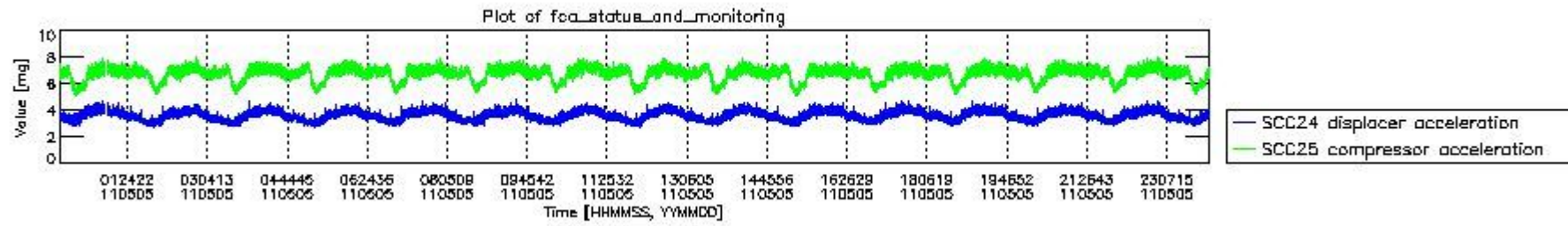
mipas_daily_report_level0_KSPT_L0_4504_N_20110505_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110505_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110505_9.PNG

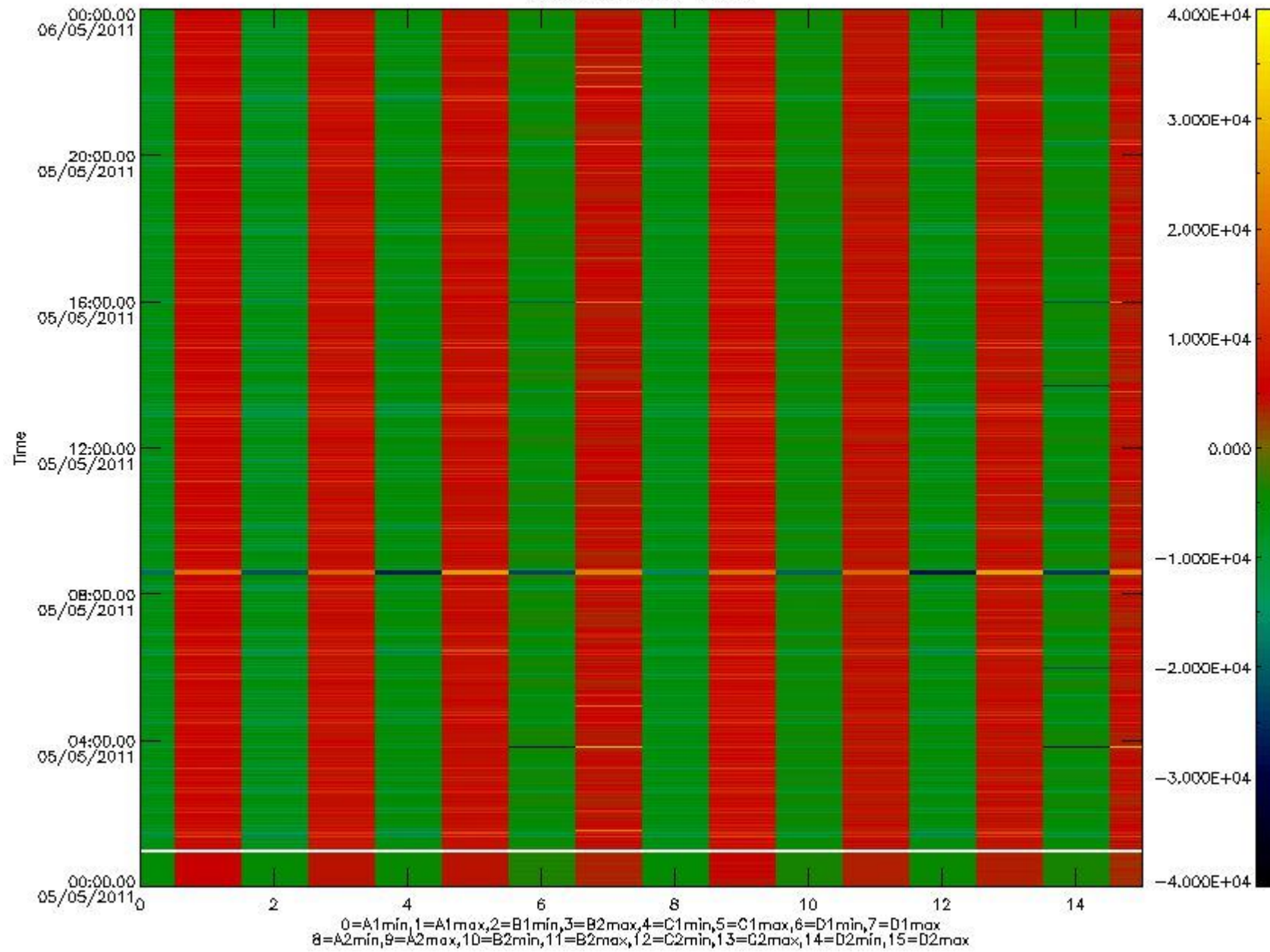


mipas_daily_report_level0_KSPT_L0_4504_N_20110505_10.PNG

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

Channel	Min	Max	ADC
A1	-19174	20601	16bit
B1	-22298	18820	16bit
C1	-27389	27370	16bit
D1	-32768	32767	16bit
A2	-16513	20781	16bit
B2	-20640	19868	16bit
C2	-28447	28156	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_20110505_11.PNG

0.3 ADF monitoring

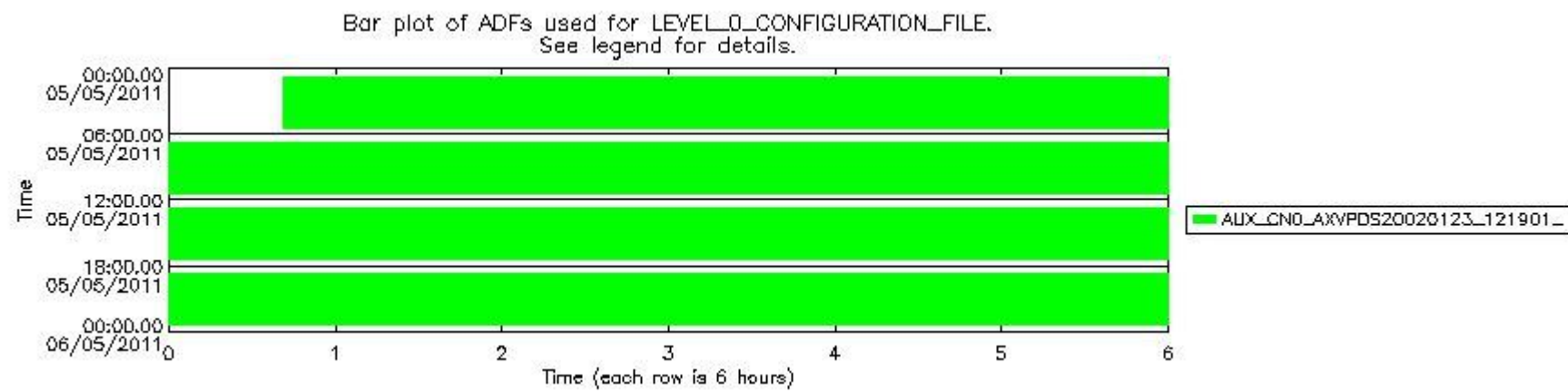
The use of ADFs is shown in two ways:

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.

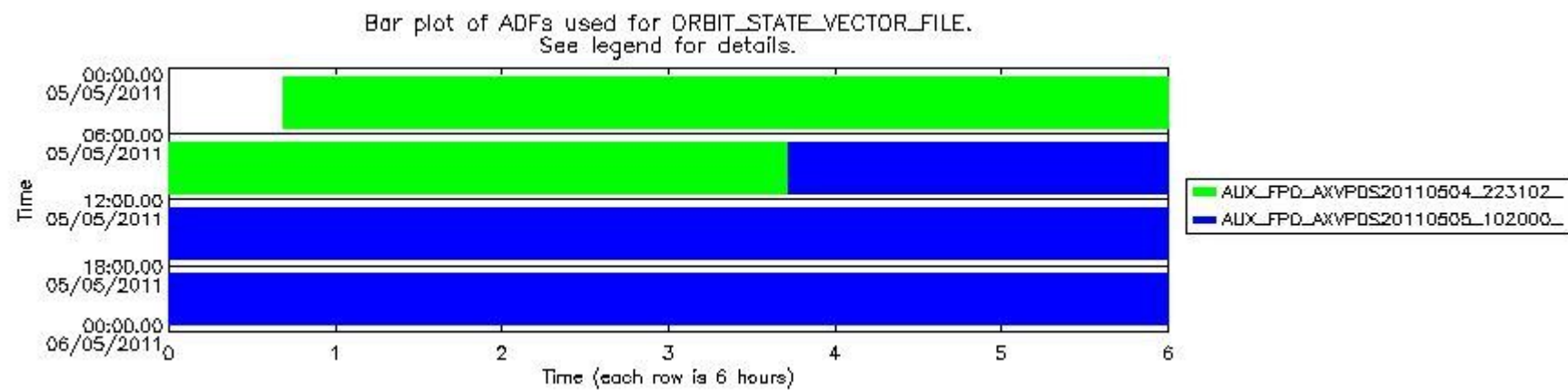
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110504_223102_20110504_095004_20110514_120353
2	AUX_FPO_AXVPDS20110505_102000_20110504_195128_20110514_202503

Number	Product name	#CN0	#FPO
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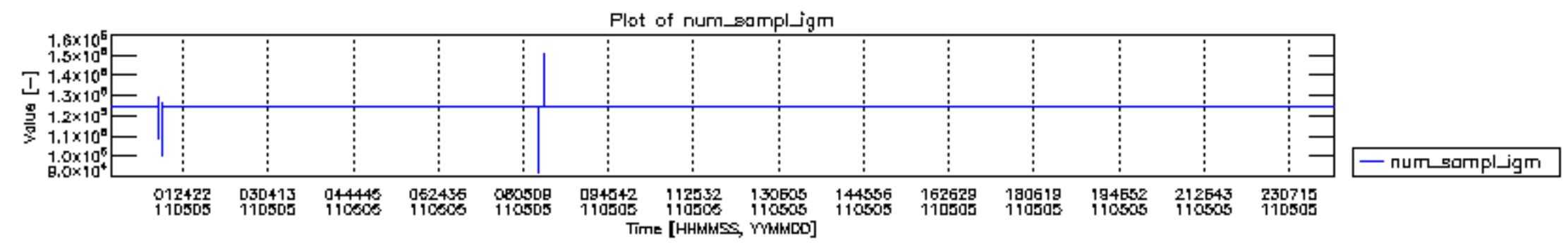
0	MIP_NL__0PNPDE20110505_004118_000057853102_00131_47990_3574.N1	0	1
1	MIP_NL__0PNPDE20110505_021640_000045443102_00132_47991_3575.N1	0	1
2	MIP_NL__0PNPDE20110505_033150_000061773102_00133_47992_3576.N1	0	1
3	MIP_NL__0PNPDE20110505_051416_000060083102_00134_47993_3577.N1	0	1
4	MIP_NL__0PNPDK20110505_065349_000041113102_00135_47994_5061.N1	0	1
5	MIP_NL__0PNPDK20110505_080149_000061063102_00136_47995_5062.N1	0	1
6	MIP_NL__0PNPDK20110505_094253_000059393102_00137_47996_5063.N1	0	2
7	MIP_NL__0PNPDK20110505_112108_000059933102_00138_47997_5064.N1	0	2
8	MIP_NL__0PNPDK20110505_130028_000059473102_00139_47998_5065.N1	0	2
9	MIP_NL__0PNPDK20110505_143851_000058643102_00140_47999_5066.N1	0	2
10	MIP_NL__0PNPDK20110505_161545_000058203102_00141_48000_5067.N1	0	2
11	MIP_NL__0PNPDK20110505_175149_000060483102_00142_48001_5068.N1	0	2
12	MIP_NL__0PNPDK20110505_193058_000061193102_00143_48002_5069.N1	0	2
13	MIP_NL__0PNPDE20110505_211121_000042953102_00144_48003_3579.N1	0	2
14	MIP_NL__0PNPDE20110505_222200_000061943102_00144_48003_3580.N1	0	2

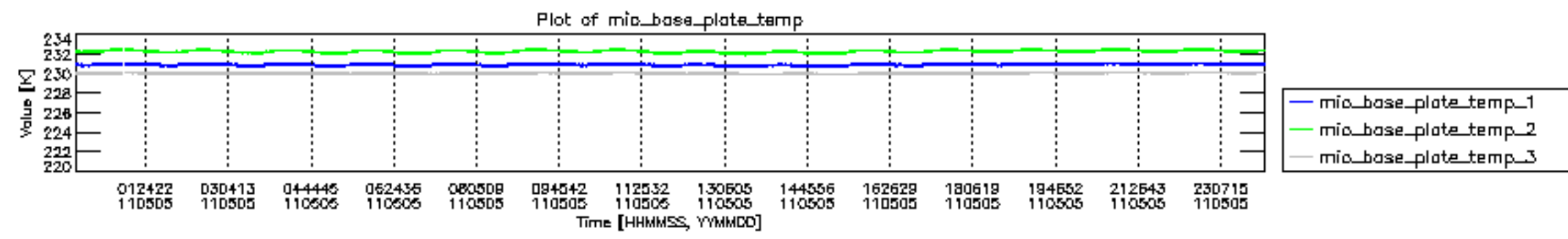


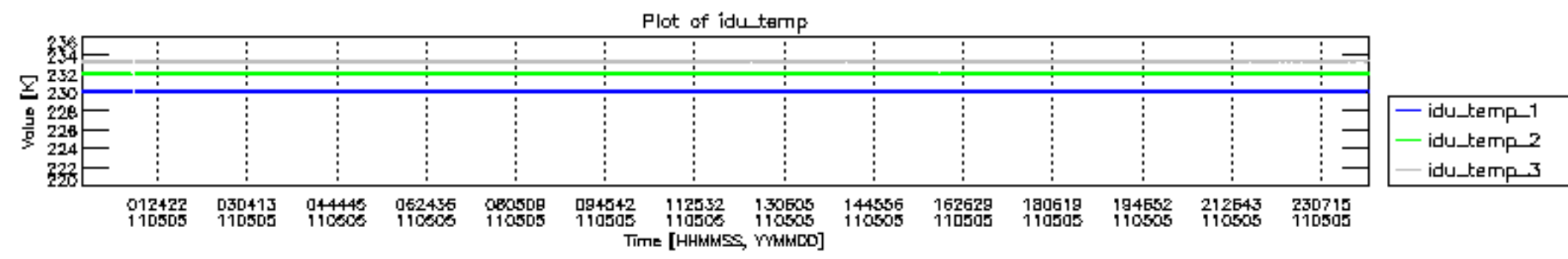
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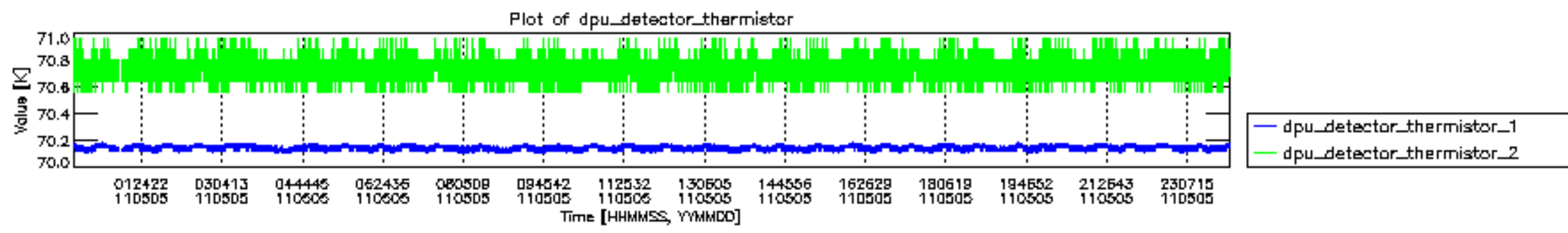


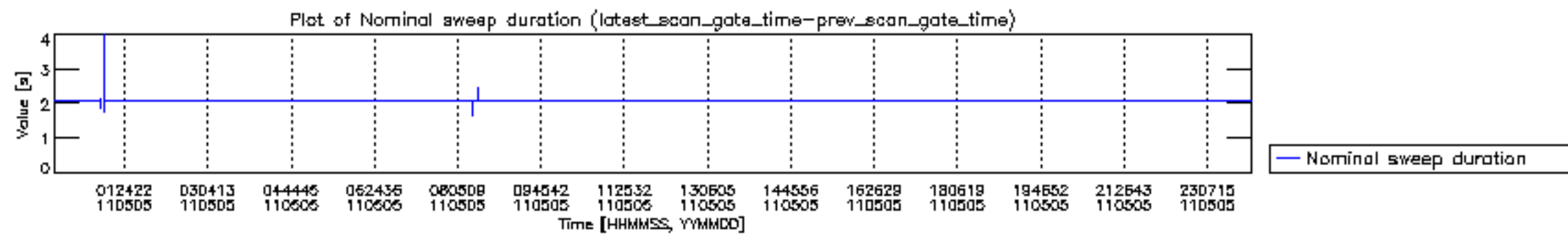
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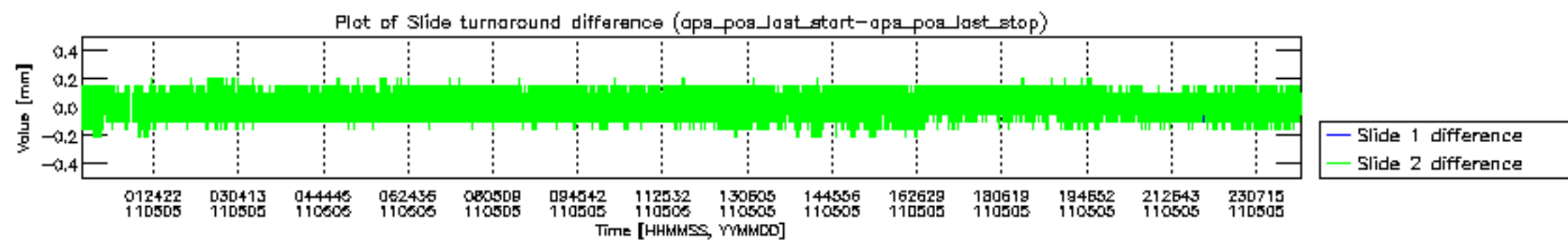


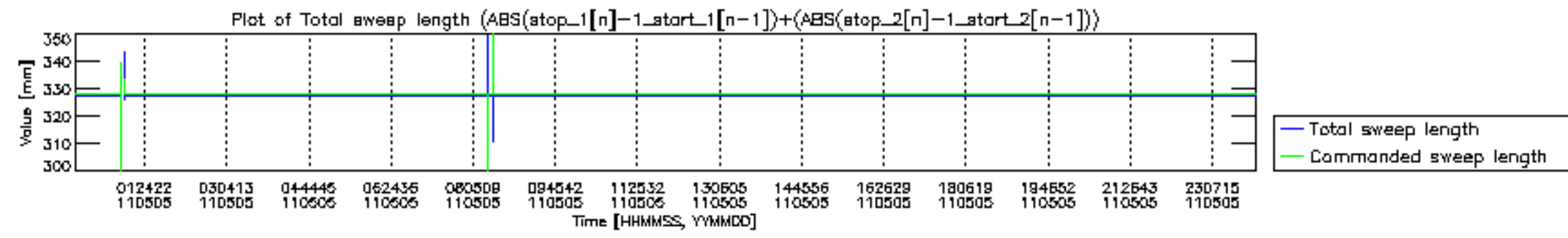


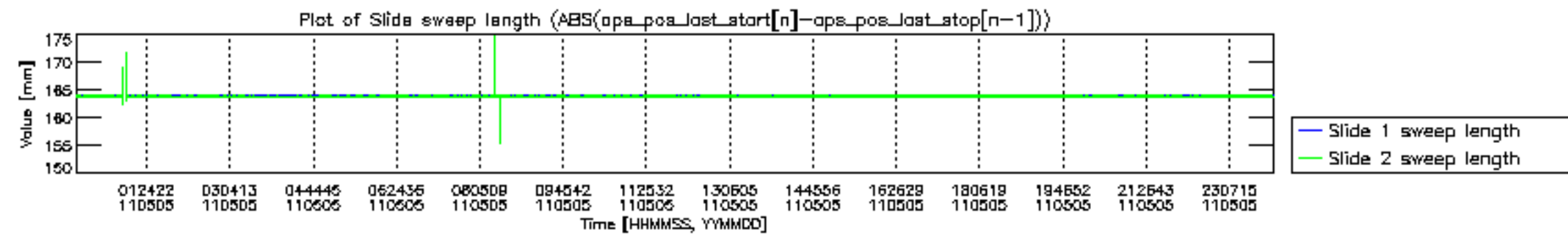


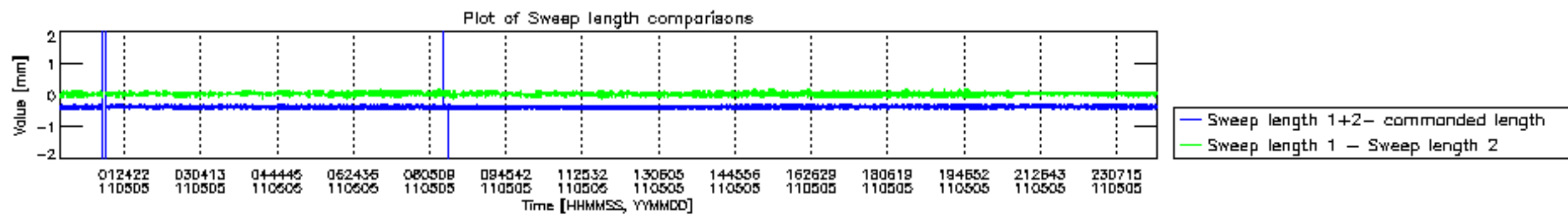


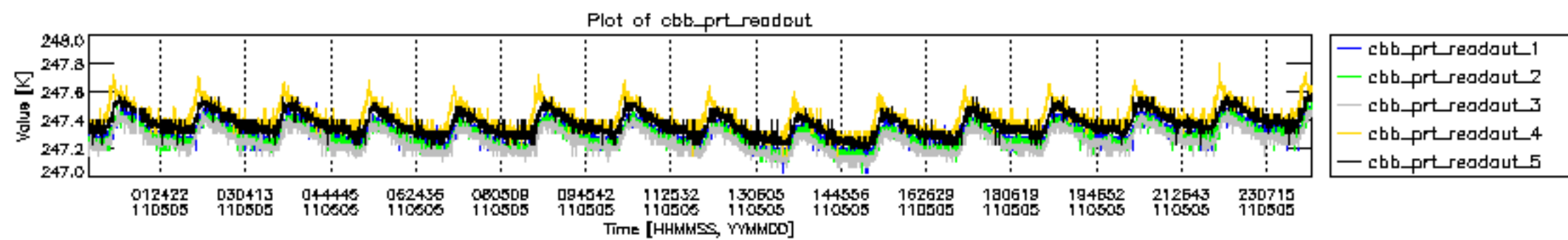


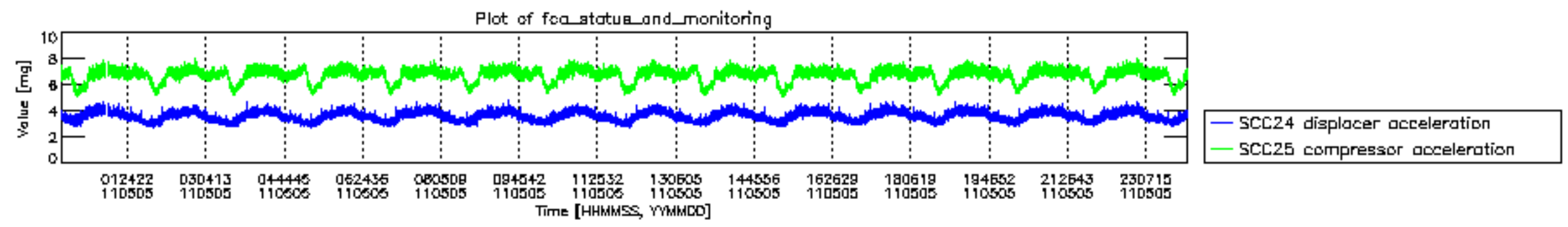












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

