

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	20AUG2011 05:24:05
Data source version	KSPT_L0/4504-N
Processing scope for products	15AUG2011 00:00:00 to 16AUG2011 00:00:00
Start time of first product within scope	15AUG2011 00:01:59
Stop time of last product within scope	15AUG2011 23:27:11
Total number of level 0 products	11
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__0PNPDE20110815_000159_000059413105_00303_49455_9442.N1	15AUG2011 00:01:59	15AUG2011 01:41:00	0	0	0	0	0
1	MIP_NL__0PNPDE20110815_014000_000044733105_00304_49456_9443.N1	15AUG2011 01:40:00	15AUG2011 02:54:32	0	0	0	0	0
2	MIP_NL__0PNPDE20110815_025359_000060903105_00305_49457_9444.N1	15AUG2011 02:53:59	15AUG2011 04:35:29	0	0	0	0	0
3	MIP_NL__0PNPDE20110815_043455_000060463105_00306_49458_9445.N1	15AUG2011 04:34:55	15AUG2011 06:15:41	0	0	0	0	0
4	MIP_NL__0PNPDK20110815_061508_000040883105_00307_49459_6054.N1	15AUG2011 06:15:08	15AUG2011 07:23:16	0	0	0	0	0
5	MIP_NL__0PNPDK20110815_072242_000055613105_00308_49460_6055.N1	15AUG2011 07:22:42	15AUG2011 08:55:23	0	0	0	0	0
6	MIP_NL__0PNPDK20110815_155014_000052103105_00313_49465_6056.N1	15AUG2011 15:50:14	15AUG2011 17:17:04	0	0	0	0	0
7	MIP_NL__0PNPDK20110815_171559_000058683105_00314_49466_6057.N1	15AUG2011 17:15:59	15AUG2011 18:53:47	0	0	0	0	0
8	MIP_NL__0PNPDK20110815_185253_000061023105_00315_49467_6058.N1	15AUG2011 18:52:53	15AUG2011 20:34:35	0	0	0	0	0
9	MIP_NL__0PNPDE20110815_203339_000042583105_00316_49468_9446.N1	15AUG2011 20:33:39	15AUG2011 21:44:36	0	0	0	0	0
10	MIP_NL__0PNPDE20110815_214336_000062153105_00316_49468_9447.N1	15AUG2011 21:43:36	15AUG2011 23:27:11	0	0	0	0	0

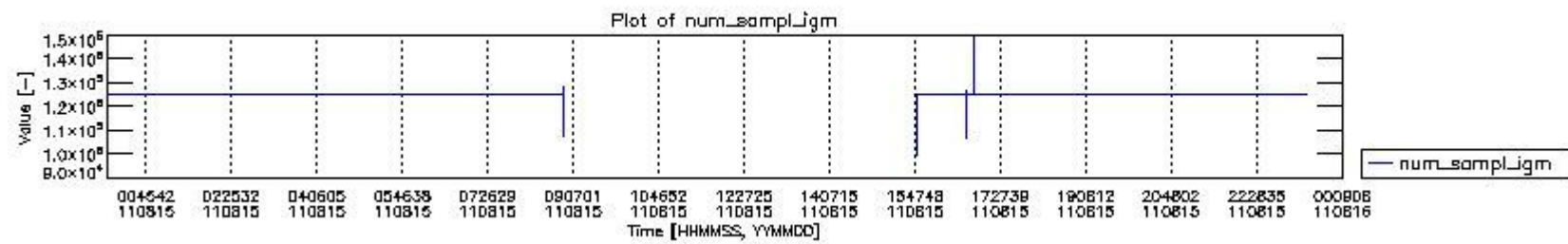
0.2 Instrument Operational Performance Parameters

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.

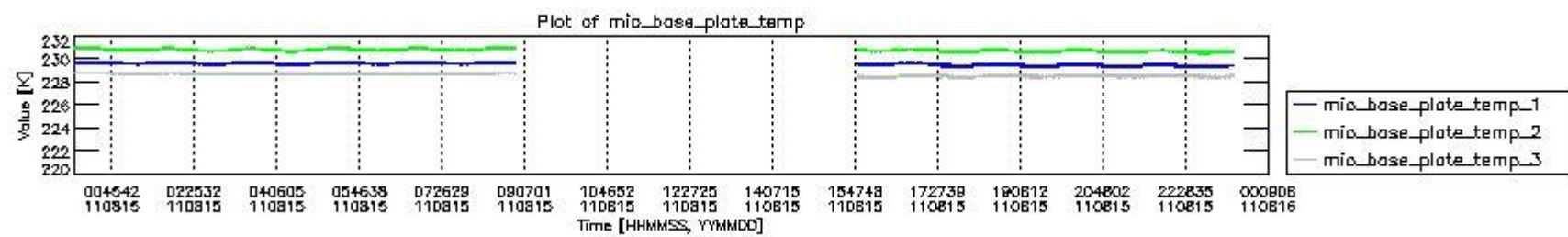
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
99739	1	0.0034904014
106864	1	0.0034904014
107905	1	0.0034904014
109060	1	0.0034904014
111142	1	0.0034904014
124800	26611	92.883072
124803	2027	7.0750436

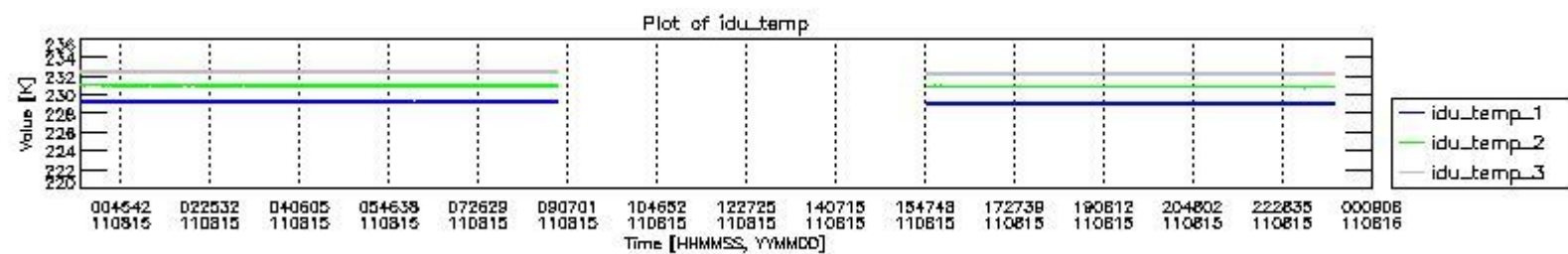
124991	1	0.0034904014
125182	1	0.0034904014
126996	1	0.0034904014
127010	1	0.0034904014
128037	1	0.0034904014
147142	1	0.0034904014
149352	1	0.0034904014



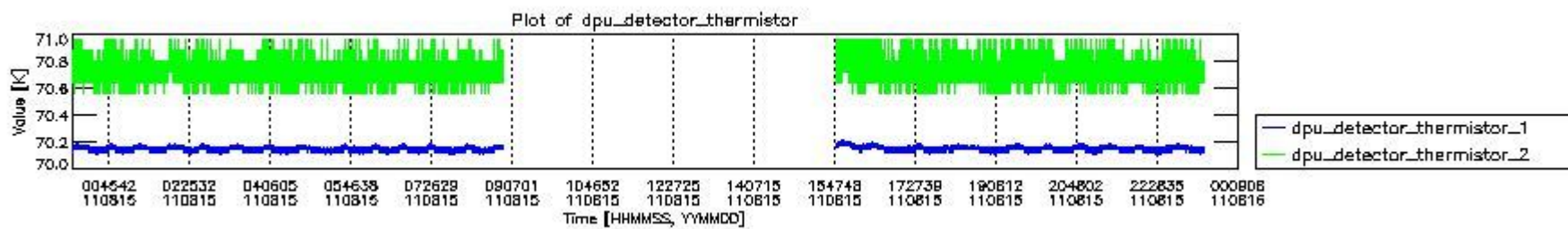
mipas_daily_report_level0_KSPT_L0_4504_N_20110815_0.PNG



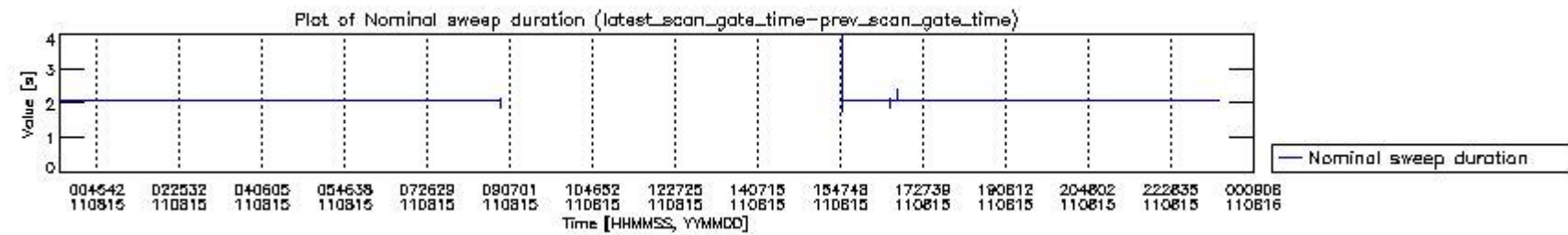
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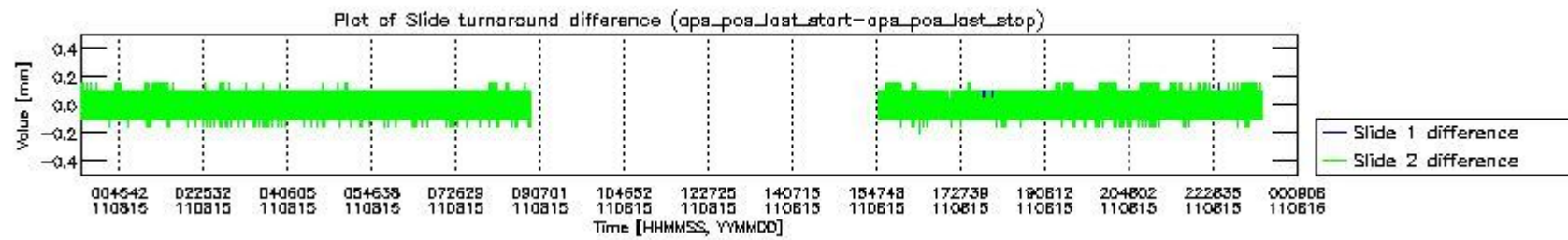
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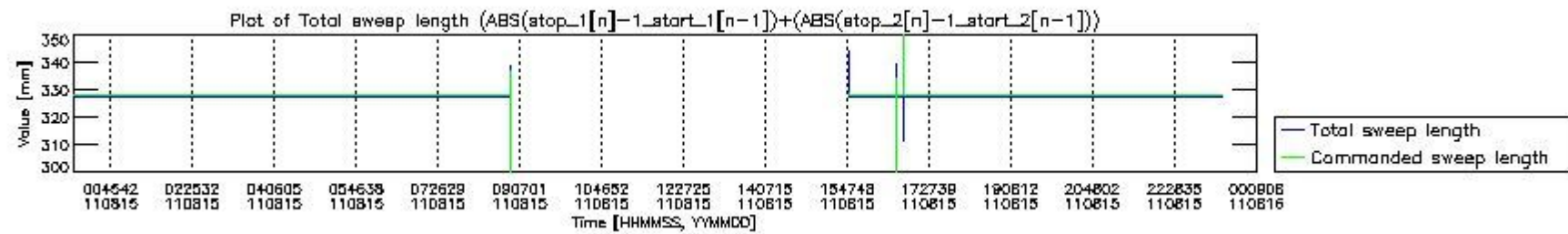
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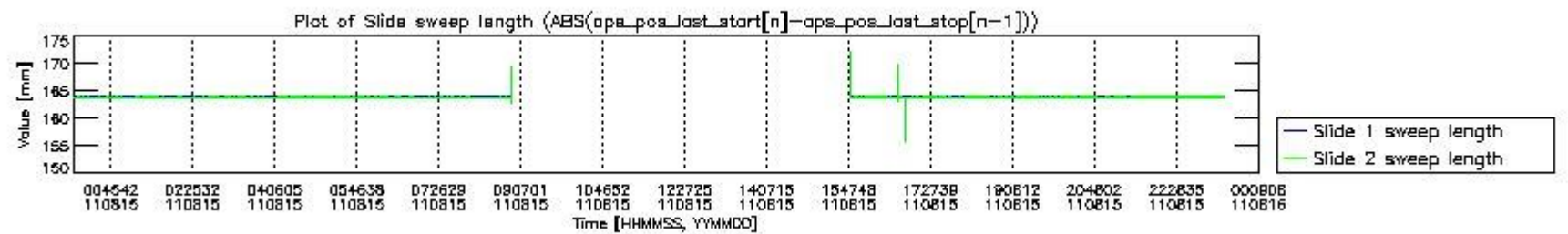
mipas_daily_report_level0_KSPT_L0_4504_N_20110815_4.PNG



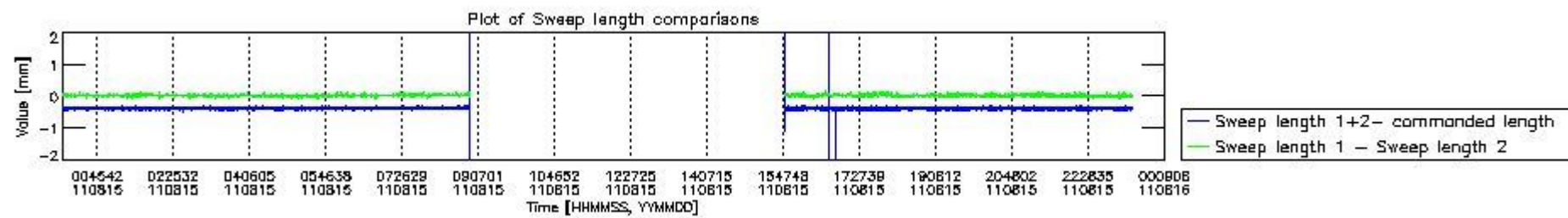
mipas_daily_report_level0_KSPT_L0_4504_N_20110815_5.PNG



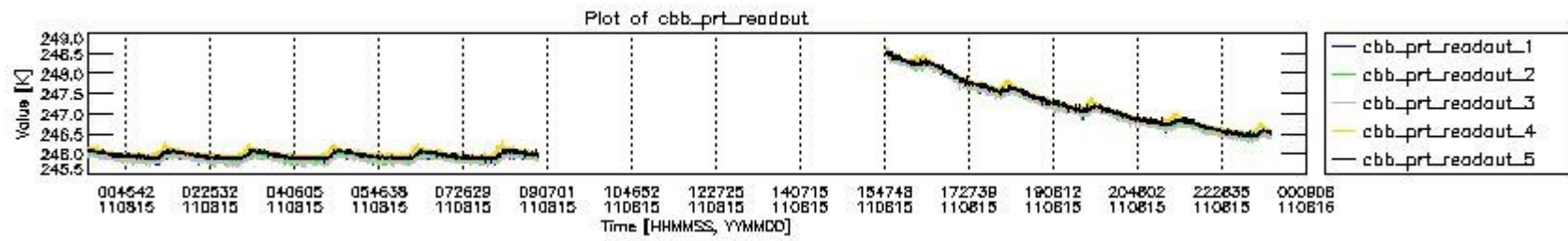
mipas_daily_report_level0_KSPT_L0_4504_N_20110815_6.PNG



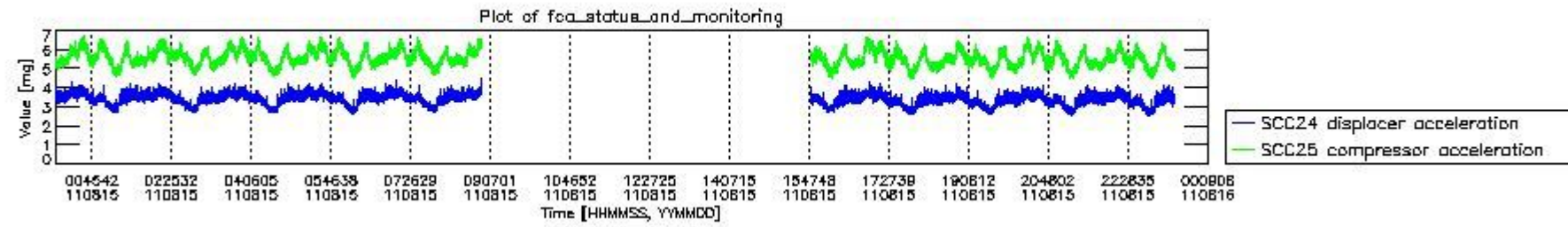
mipas_daily_report_level0_KSPT_L0_4504_N_20110815_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110815_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110815_9.PNG

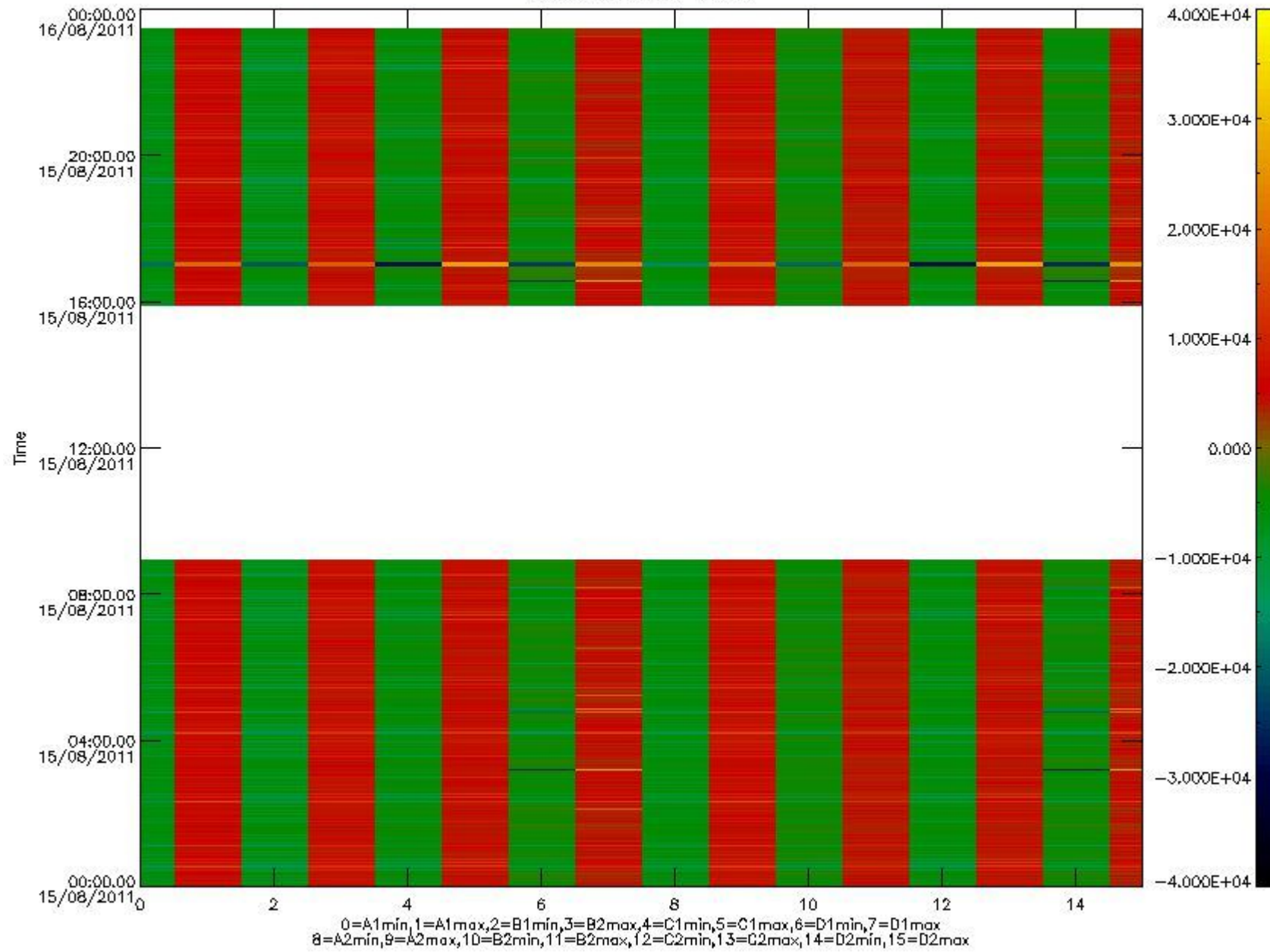


mipas_daily_report_level0_KSPT_L0_4504_N_20110815_10.PNG

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

Channel	Min	Max	ADC
A1	-18736	19955	16bit
B1	-21667	18594	16bit
C1	-27779	27846	16bit
D1	-32768	32767	16bit
A2	-16241	20221	16bit
B2	-20026	19683	16bit
C2	-28943	28700	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_20110815_11.PNG

0.3 ADF monitoring

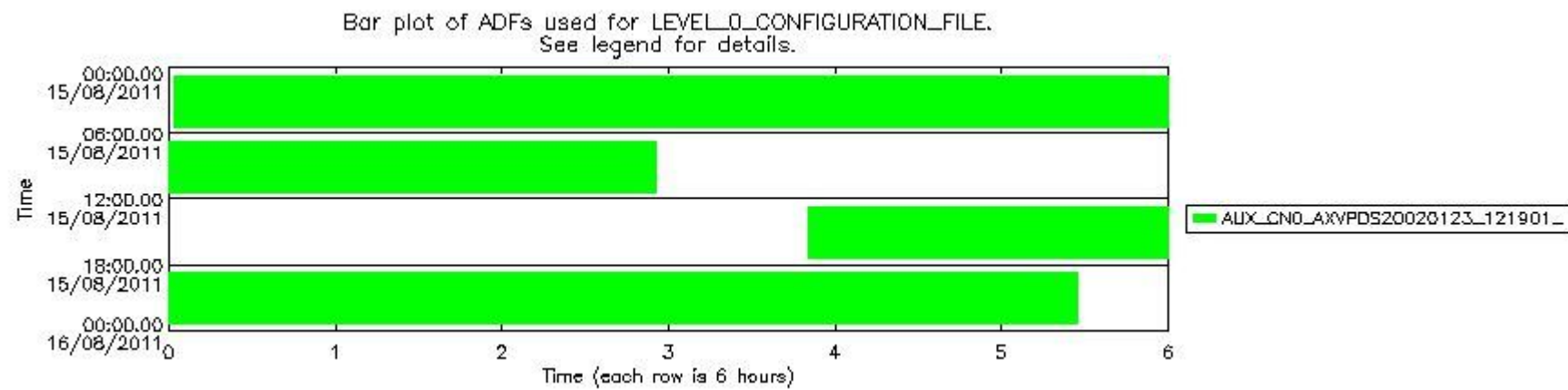
The use of ADFs is shown in two ways:

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.

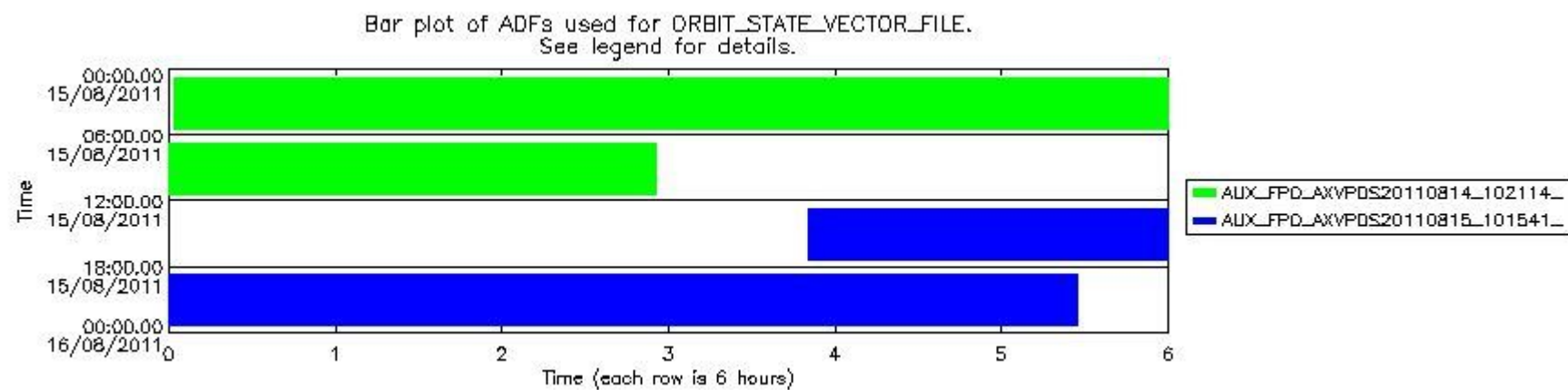
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110814_102114_20110813_194939_20110823_202311
2	AUX_FPO_AXVPDS20110815_101541_20110814_191254_20110824_212641

Number	Product name	#CN0	#FPO
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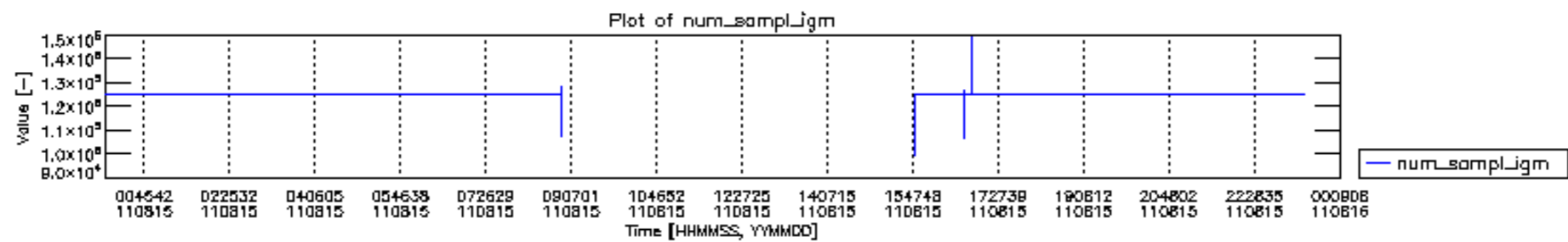
0	MIP_NL__0PNPDE20110815_000159_000059413105_00303_49455_9442.N1	0	1
1	MIP_NL__0PNPDE20110815_014000_000044733105_00304_49456_9443.N1	0	1
2	MIP_NL__0PNPDE20110815_025359_000060903105_00305_49457_9444.N1	0	1
3	MIP_NL__0PNPDE20110815_043455_000060463105_00306_49458_9445.N1	0	1
4	MIP_NL__0PNPDK20110815_061508_000040883105_00307_49459_6054.N1	0	1
5	MIP_NL__0PNPDK20110815_072242_000055613105_00308_49460_6055.N1	0	1
6	MIP_NL__0PNPDK20110815_155014_000052103105_00313_49465_6056.N1	0	2
7	MIP_NL__0PNPDK20110815_171559_000058683105_00314_49466_6057.N1	0	2
8	MIP_NL__0PNPDK20110815_185253_000061023105_00315_49467_6058.N1	0	2
9	MIP_NL__0PNPDE20110815_203339_000042583105_00316_49468_9446.N1	0	2
10	MIP_NL__0PNPDE20110815_214336_000062153105_00316_49468_9447.N1	0	2

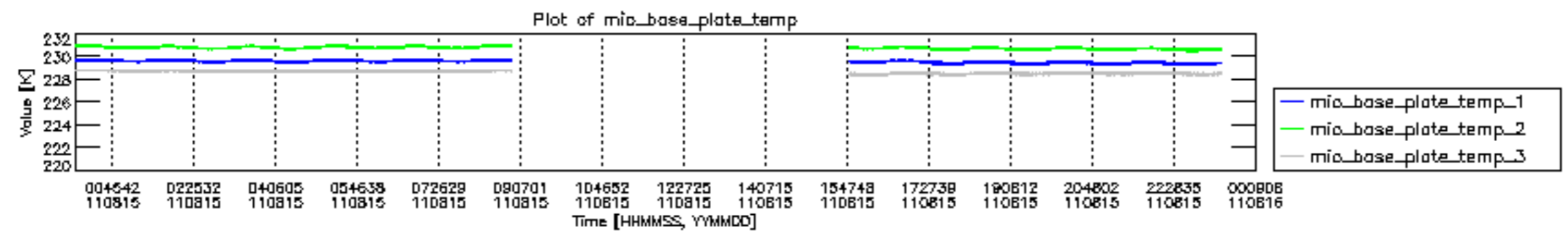


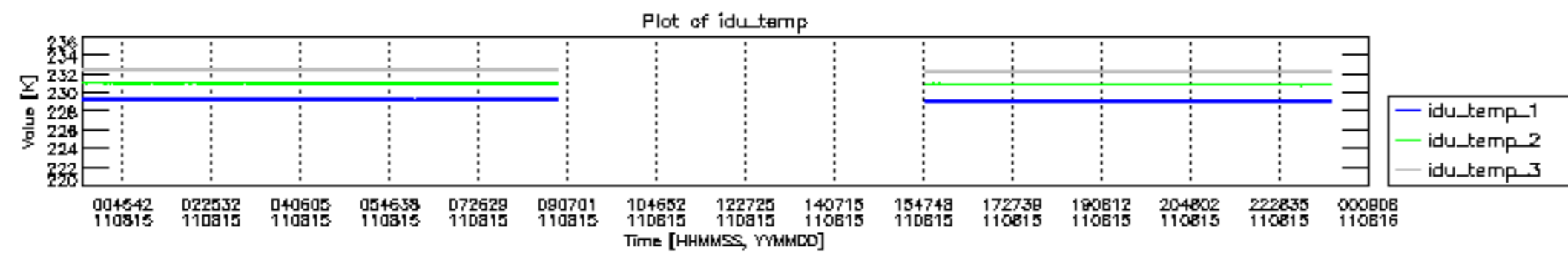
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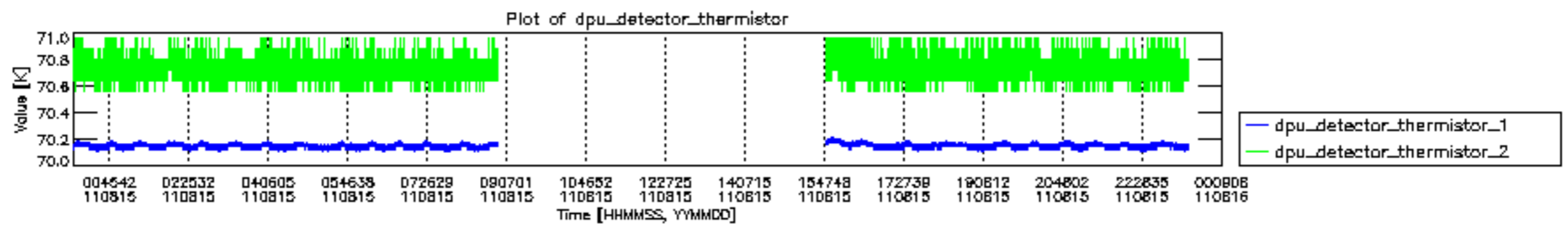


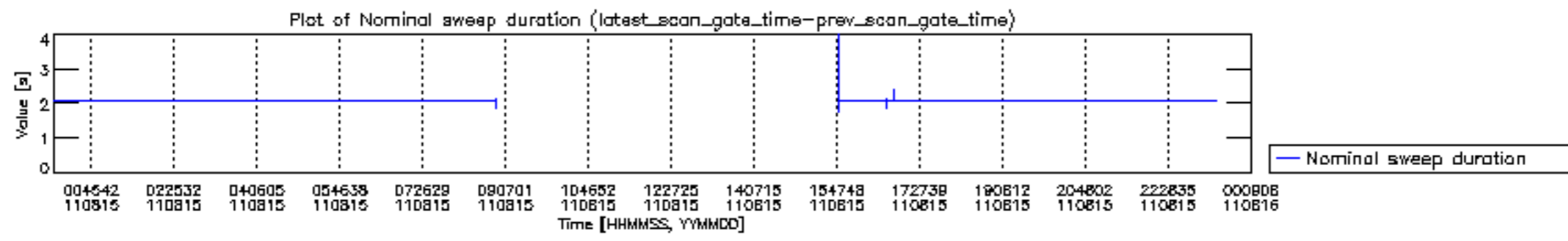
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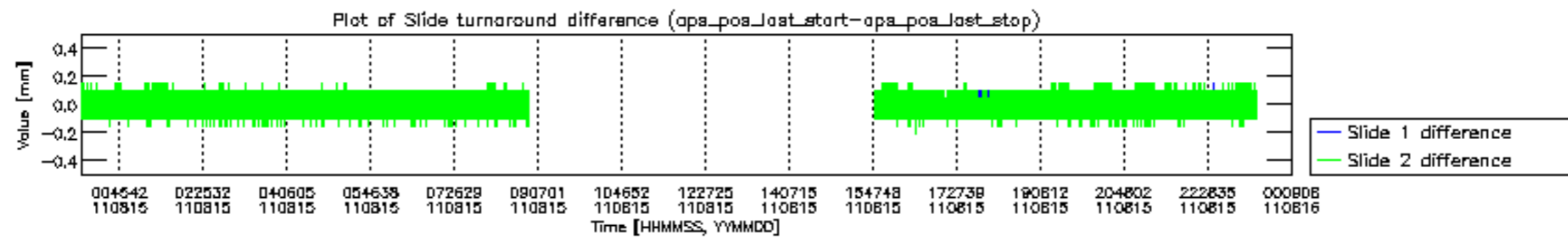


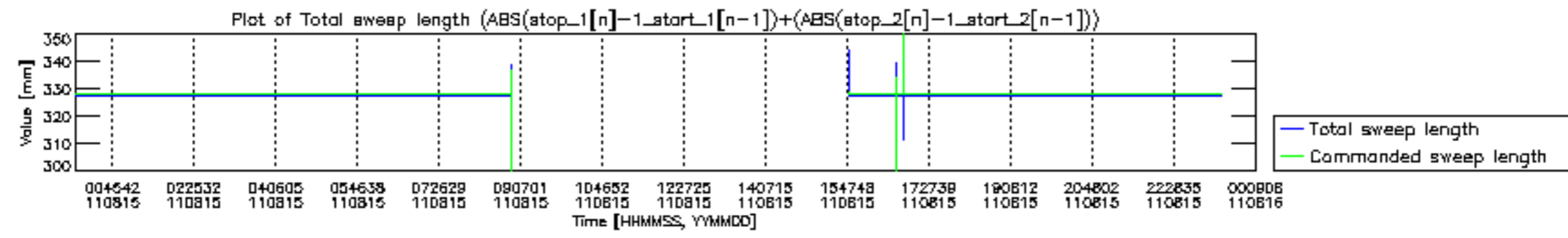


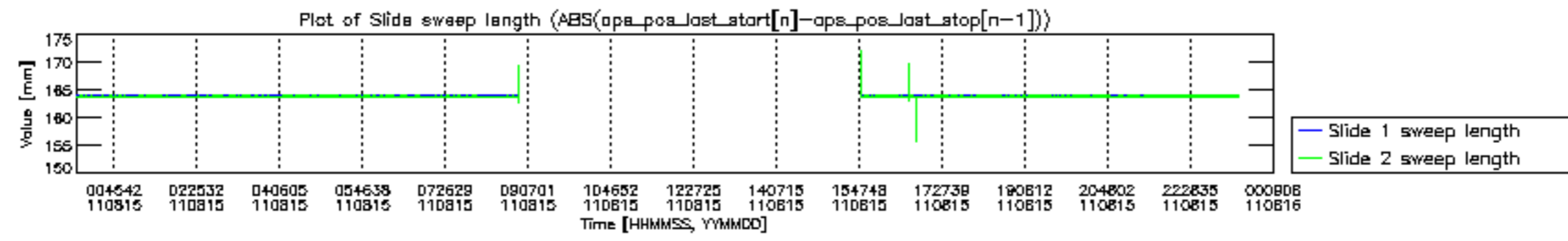


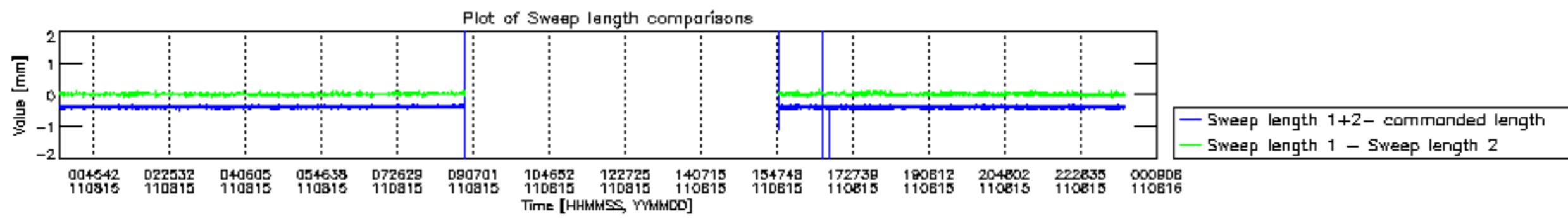


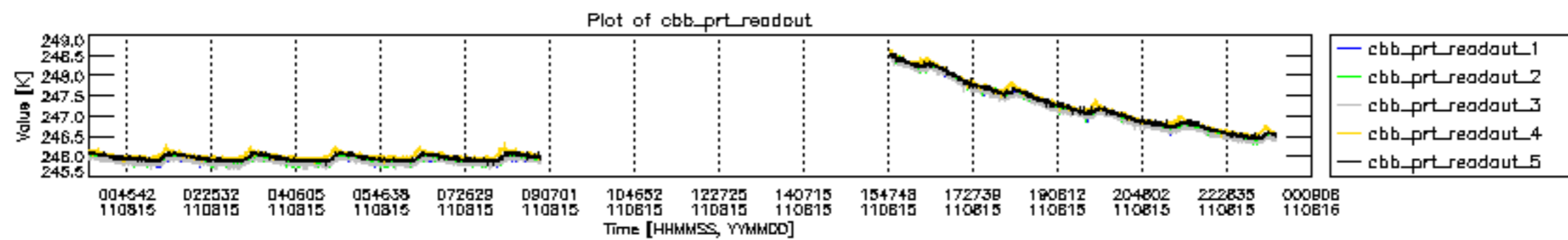


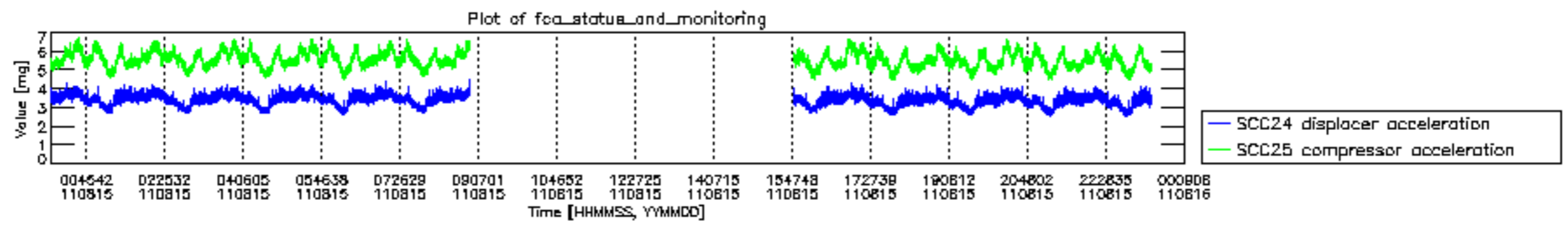












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

