

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	10JUL2011 05:30:05
Data source version	KSPT_L0/4504-N
Processing scope for products	05JUL2011 00:00:00 to 06JUL2011 00:00:00
Start time of first product within scope	05JUL2011 00:05:29
Stop time of last product within scope	06JUL2011 01:08:56
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__0PNPDE20110705_000529_000059003104_00145_48866_9171.N1	05JUL2011 00:05:29	05JUL2011 01:43:49	0	0	0	0	0
1	MIP_NL__0PNPDE20110705_014246_000044563104_00146_48867_9172.N1	05JUL2011 01:42:46	05JUL2011 02:57:02	0	0	0	0	0
2	MIP_NL__0PNPDE20110705_025629_000060853104_00147_48868_9173.N1	05JUL2011 02:56:29	05JUL2011 04:37:54	0	0	0	0	0
3	MIP_NL__0PNPDE20110705_043719_000061113104_00148_48869_9174.N1	05JUL2011 04:37:19	05JUL2011 06:19:09	0	0	0	0	0
4	MIP_NL__0PNPDK20110705_061838_000023703104_00149_48870_5671.N1	05JUL2011 06:18:38	05JUL2011 06:58:07	0	0	0	0	0
5	MIP_NL__0PNPDK20110705_101739_000017233104_00151_48872_5672.N1	05JUL2011 10:17:39	05JUL2011 10:46:22	0	0	0	0	0
6	MIP_NL__0PNPDK20110705_104538_000060043104_00152_48873_5673.N1	05JUL2011 10:45:38	05JUL2011 12:25:42	0	0	0	0	0
7	MIP_NL__0PNPDK20110705_122458_000059163104_00153_48874_5674.N1	05JUL2011 12:24:58	05JUL2011 14:03:34	0	0	0	0	0
8	MIP_NL__0PNPDK20110705_140303_000059273104_00154_48875_5675.N1	05JUL2011 14:03:03	05JUL2011 15:41:49	0	0	0	0	0
9	MIP_NL__0PNPDK20110705_154108_000058793104_00155_48876_5676.N1	05JUL2011 15:41:08	05JUL2011 17:19:06	0	0	0	0	0
10	MIP_NL__0PNPDK20110705_171820_000059373104_00156_48877_5677.N1	05JUL2011 17:18:20	05JUL2011 18:57:17	0	0	0	0	0
11	MIP_NL__0PNPDK20110705_185623_000060233104_00157_48878_5678.N1	05JUL2011 18:56:23	05JUL2011 20:36:46	0	0	0	0	0
12	MIP_NL__0PNPDE20110705_203547_000043543104_00158_48879_9175.N1	05JUL2011 20:35:47	05JUL2011 21:48:21	0	0	0	0	0
13	MIP_NL__0PNPDE20110705_214720_000060733104_00158_48879_9176.N1	05JUL2011 21:47:20	05JUL2011 23:28:33	0	0	0	0	0
14	MIP_NL__0PNPDE20110705_232728_000060883104_00159_48880_9177.N1	05JUL2011 23:27:28	06JUL2011 01:08:56	0	0	0	0	0

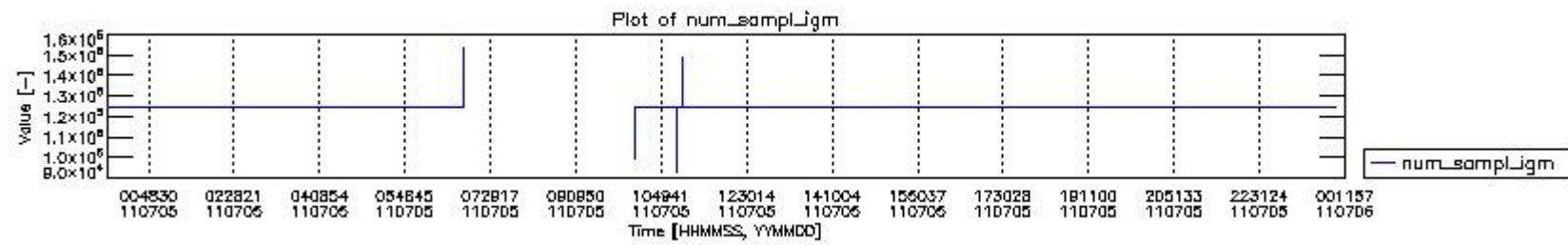
0.2 Instrument Operational Performance Parameters

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.

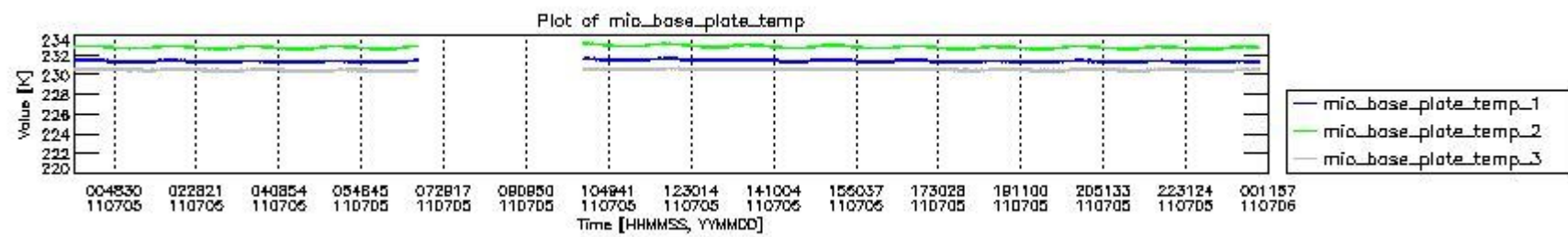
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
92408	1	0.0027905679
98538	1	0.0027905679
98996	1	0.0027905679

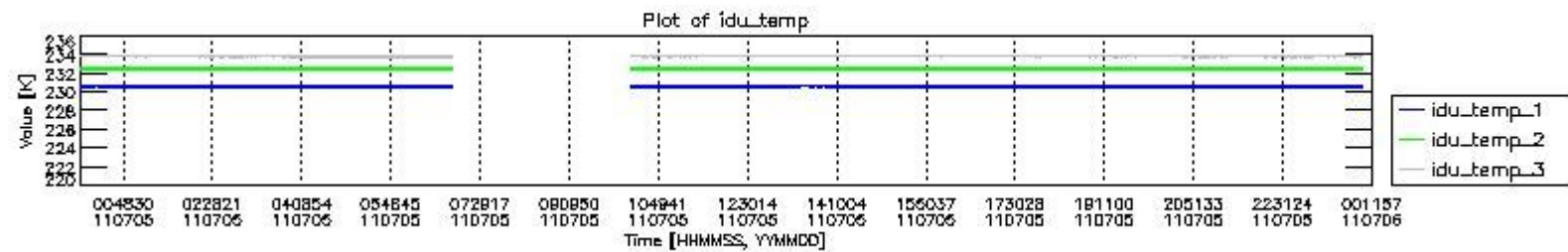
118670	1	0.0027905679
123696	1	0.0027905679
124248	1	0.0027905679
124800	33285	92.884052
124803	2538	7.0824613
126862	1	0.0027905679
128869	1	0.0027905679
146994	1	0.0027905679
149001	1	0.0027905679
149056	1	0.0027905679
153070	1	0.0027905679



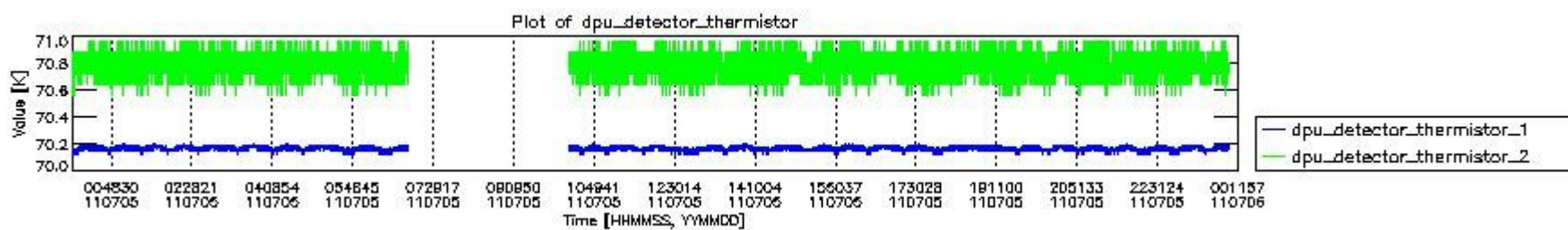
mipas_daily_report_level0_KSPT_L0_4504_N_20110705_0.PNG



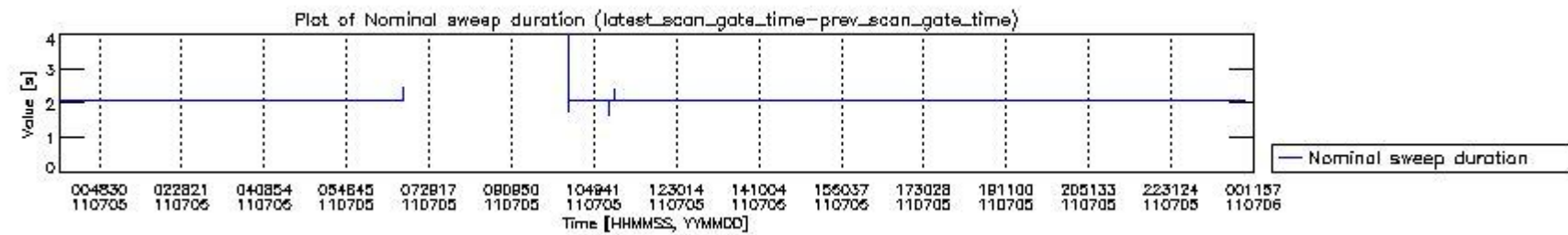
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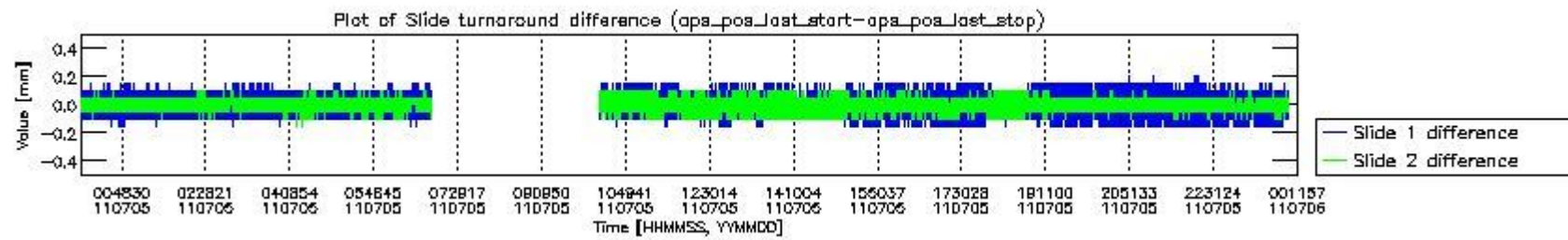
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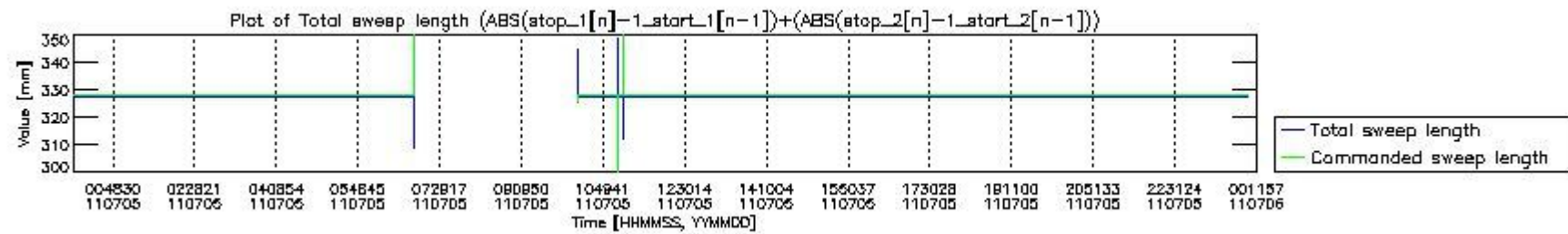
mipas_daily_report_level0_KSPT_L0_4504_N_20110705_3.PNG



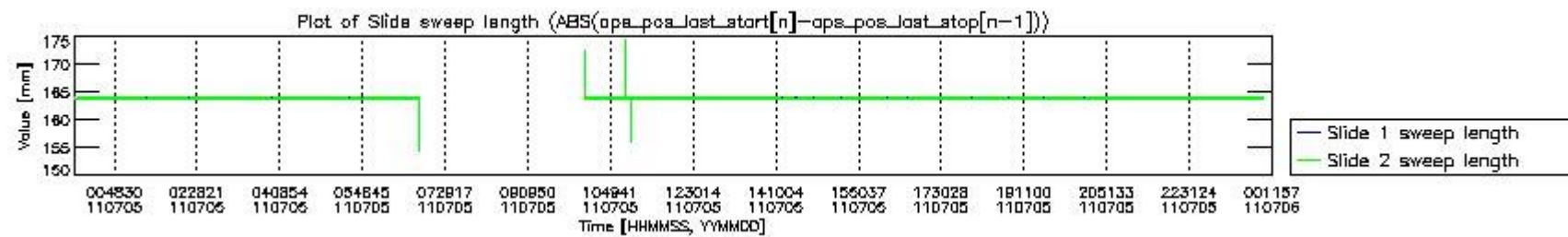
mipas_daily_report_level0_KSPT_L0_4504_N_20110705_4.PNG



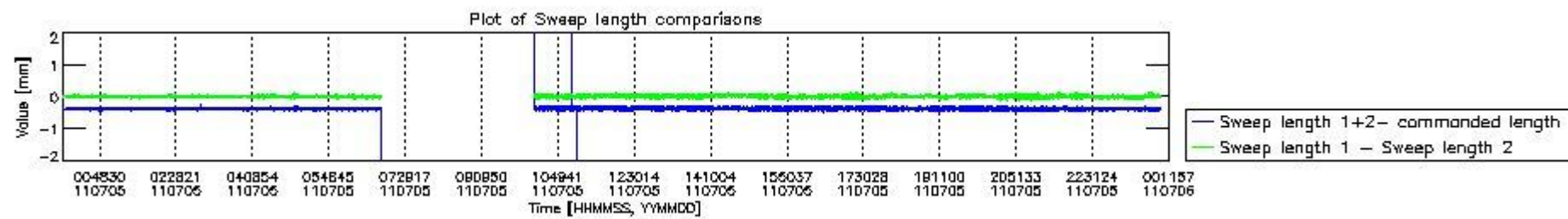
mipas_daily_report_level0_KSPT_L0_4504_N_20110705_5.PNG



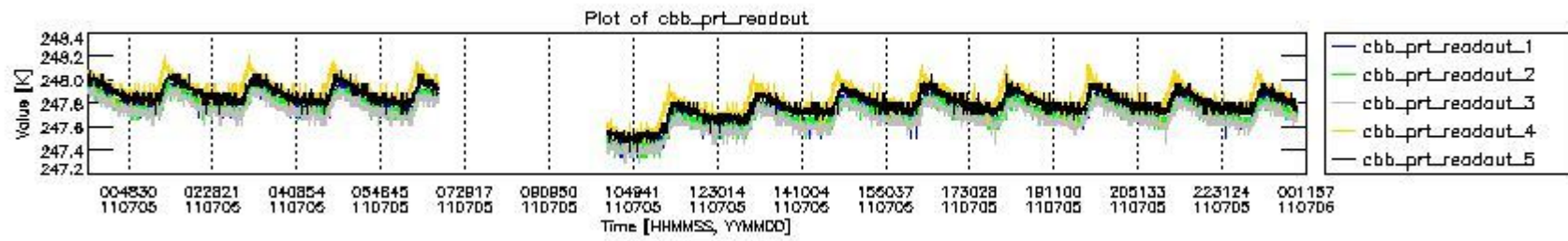
mipas_daily_report_level0_KSPT_L0_4504_N_20110705_6.PNG



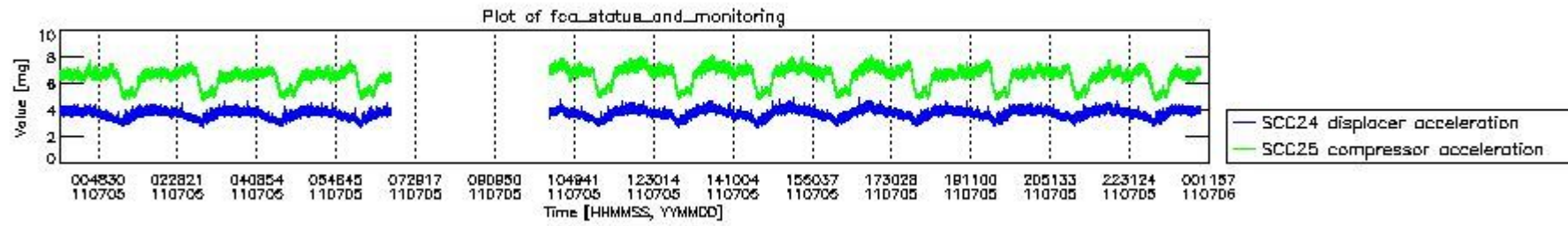
mipas_daily_report_level0_KSPT_L0_4504_N_20110705_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110705_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110705_9.PNG

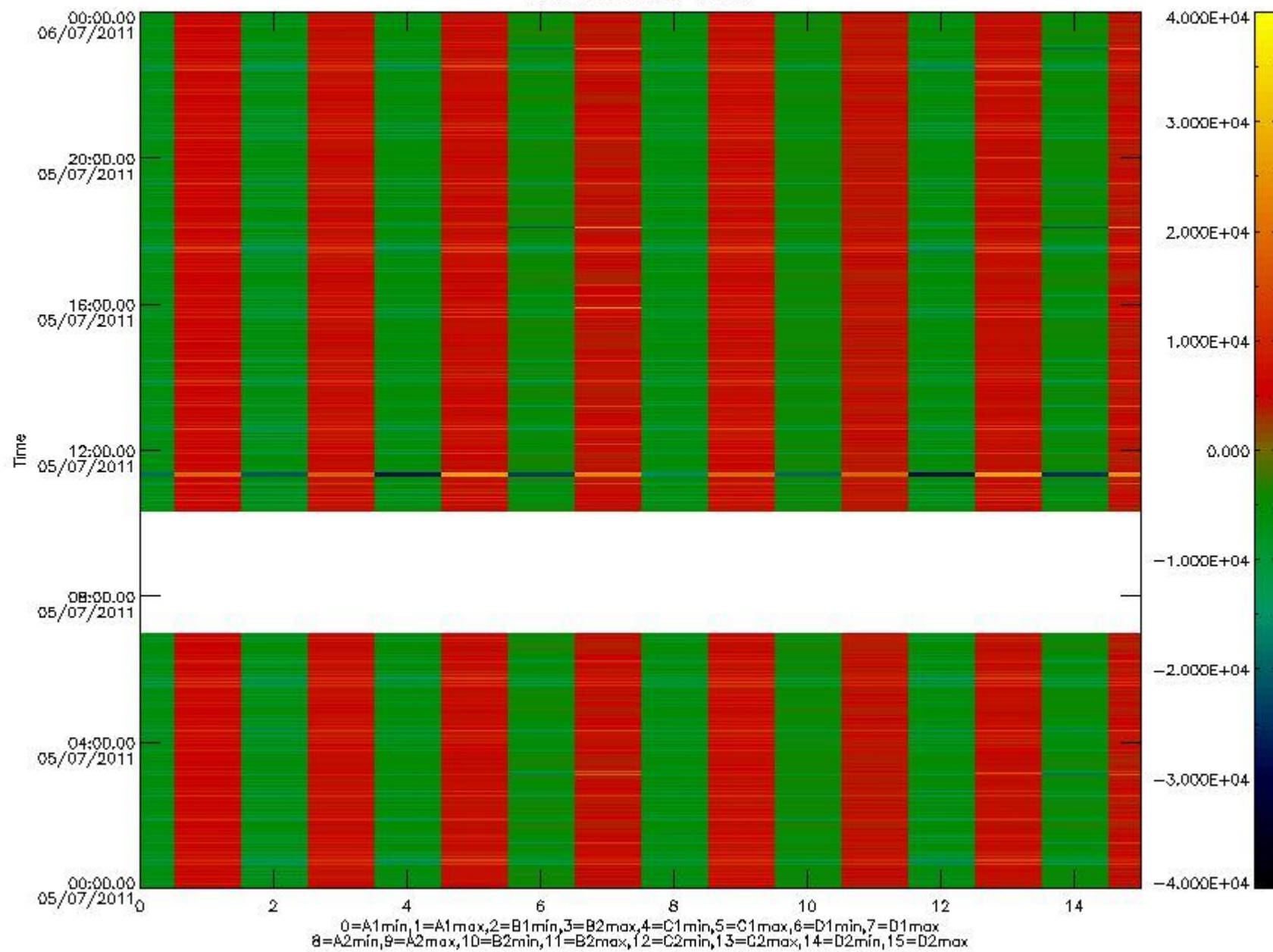


mipas_daily_report_level0_KSPT_L0_4504_N_20110705_10.PNG

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

Channel	Min	Max	ADC
A1	-32768	32767	16bit
B1	-32768	32767	16bit
C1	-27930	27963	16bit
D1	-32768	32767	16bit
A2	-32768	28621	16bit
B2	-32768	32767	16bit
C2	-29078	28749	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_20110705_11.PNG

0.3 ADF monitoring

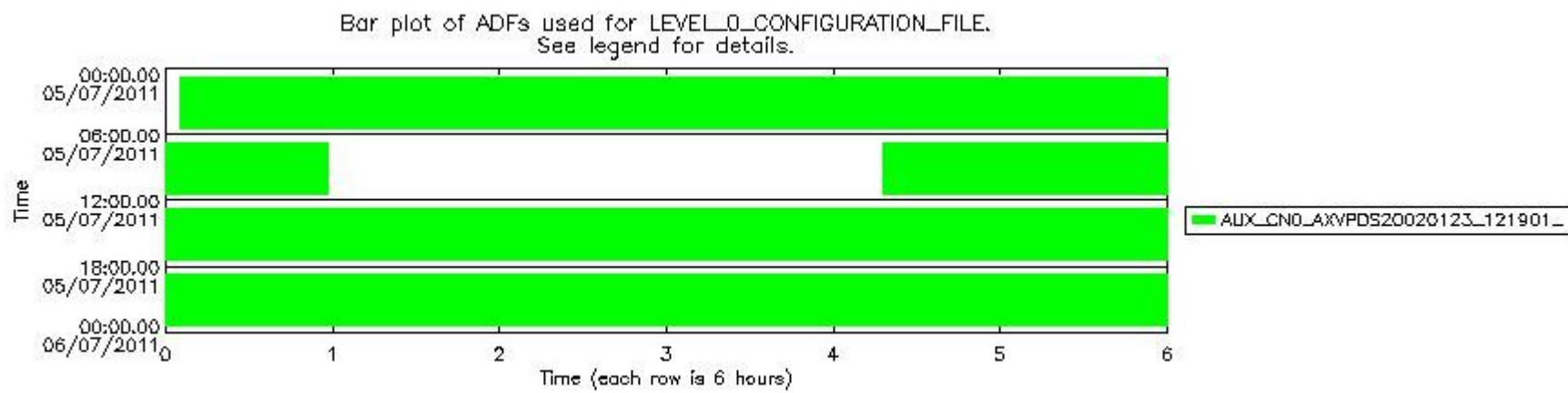
The use of ADFs is shown in two ways:

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.

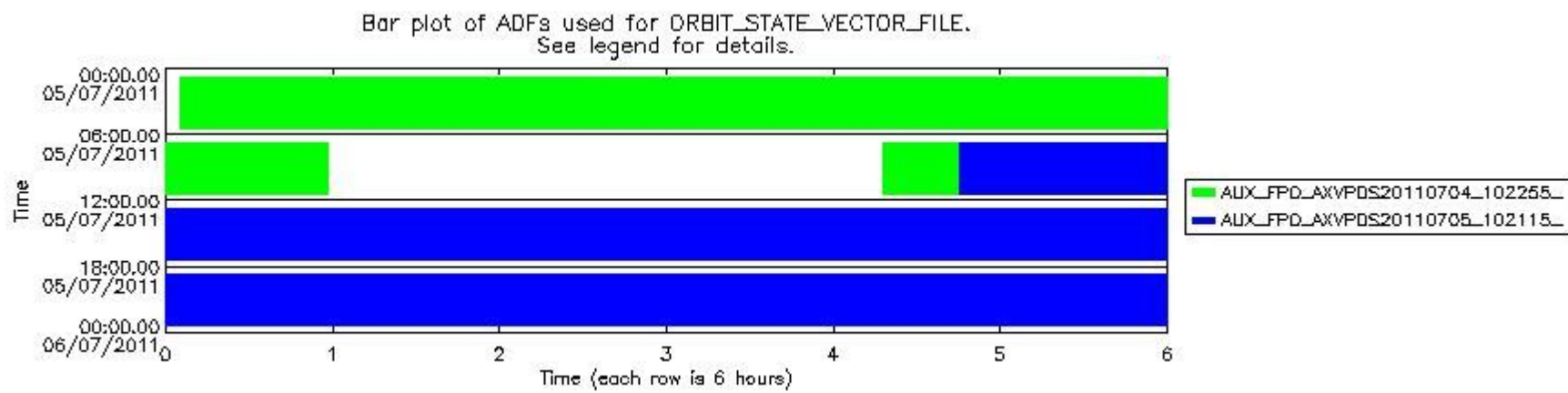
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110704_102255_20110703_195225_20110713_202558
2	AUX_FPO_AXVPDS20110705_102115_20110704_191541_20110714_212927

Number	Product name	#CN0	#FPO
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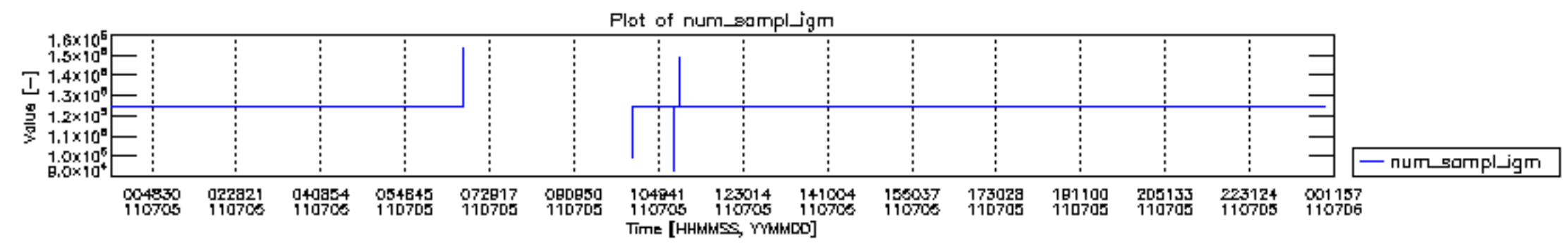
0	MIP_NL__0PNPDE20110705_000529_000059003104_00145_48866_9171.N1	0	1
1	MIP_NL__0PNPDE20110705_014246_000044563104_00146_48867_9172.N1	0	1
2	MIP_NL__0PNPDE20110705_025629_000060853104_00147_48868_9173.N1	0	1
3	MIP_NL__0PNPDE20110705_043719_000061113104_00148_48869_9174.N1	0	1
4	MIP_NL__0PNPDK20110705_061838_000023703104_00149_48870_5671.N1	0	1
5	MIP_NL__0PNPDK20110705_101739_000017233104_00151_48872_5672.N1	0	1
6	MIP_NL__0PNPDK20110705_104538_000060043104_00152_48873_5673.N1	0	2
7	MIP_NL__0PNPDK20110705_122458_000059163104_00153_48874_5674.N1	0	2
8	MIP_NL__0PNPDK20110705_140303_000059273104_00154_48875_5675.N1	0	2
9	MIP_NL__0PNPDK20110705_154108_000058793104_00155_48876_5676.N1	0	2
10	MIP_NL__0PNPDK20110705_171820_000059373104_00156_48877_5677.N1	0	2
11	MIP_NL__0PNPDK20110705_185623_000060233104_00157_48878_5678.N1	0	2
12	MIP_NL__0PNPDE20110705_203547_000043543104_00158_48879_9175.N1	0	2
13	MIP_NL__0PNPDE20110705_214720_000060733104_00158_48879_9176.N1	0	2
14	MIP_NL__0PNPDE20110705_232728_000060883104_00159_48880_9177.N1	0	2

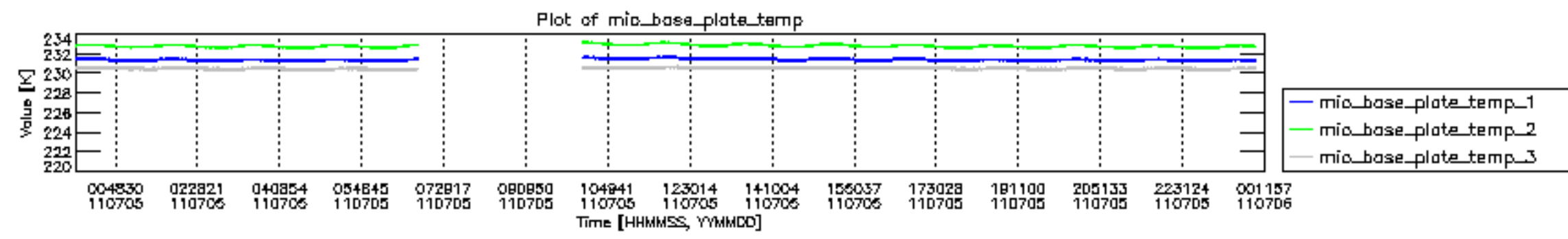


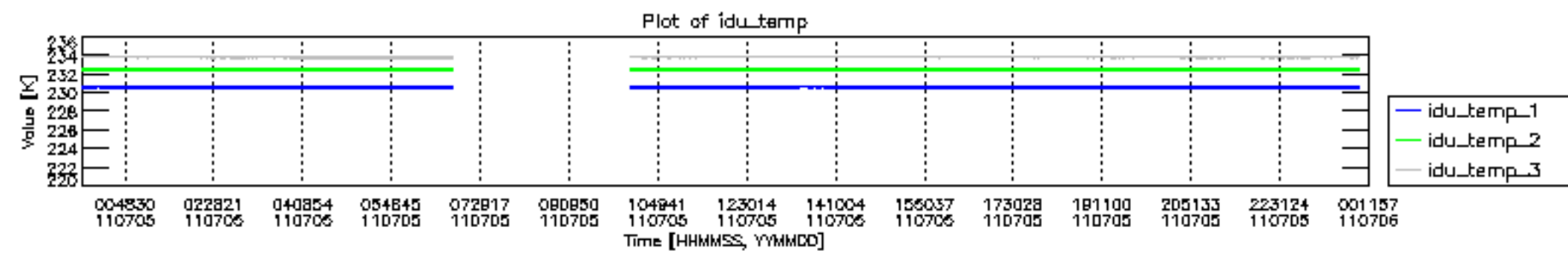
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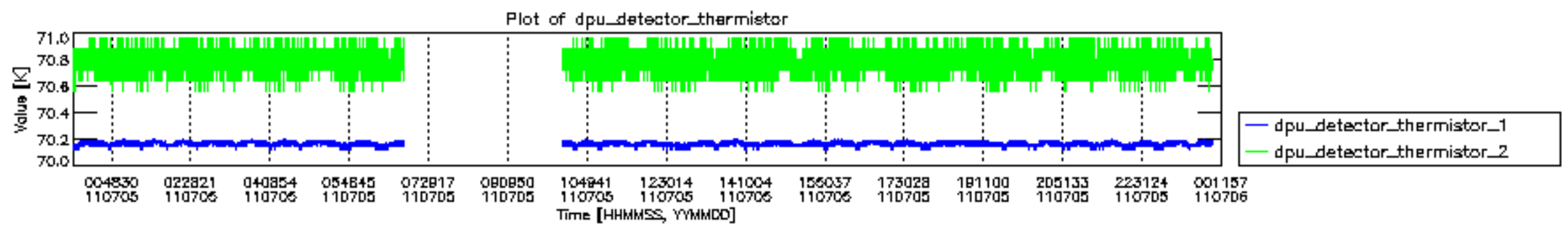


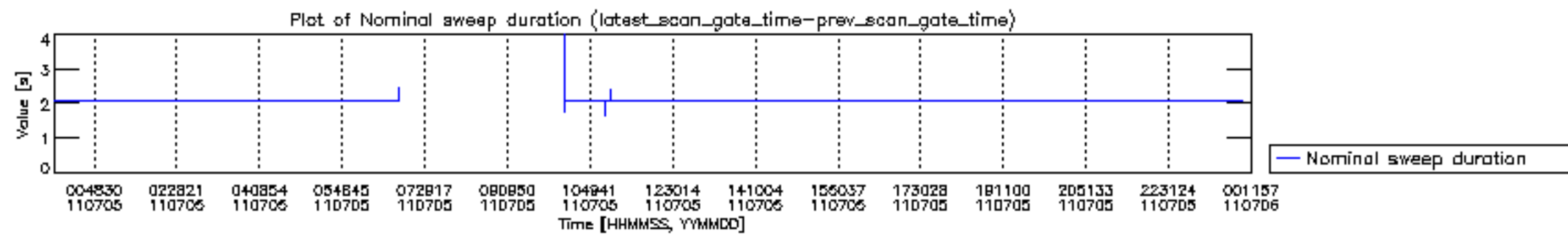
mipas_daily_report_level0_KSPT_L0_4504_N_20110705_13.PNG

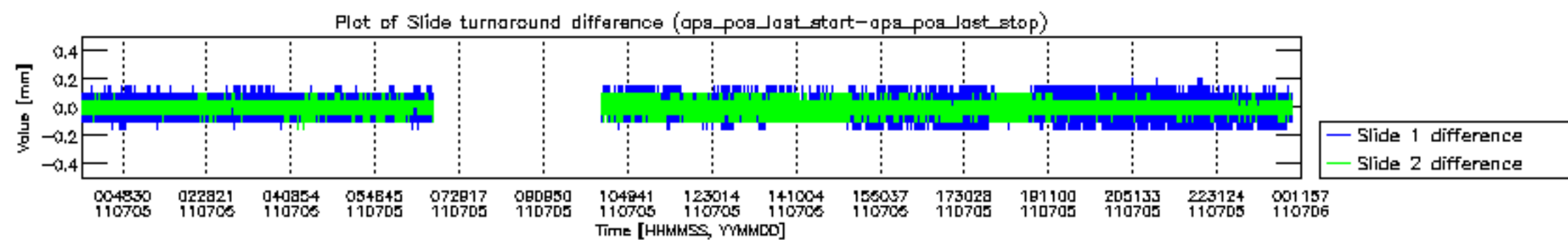


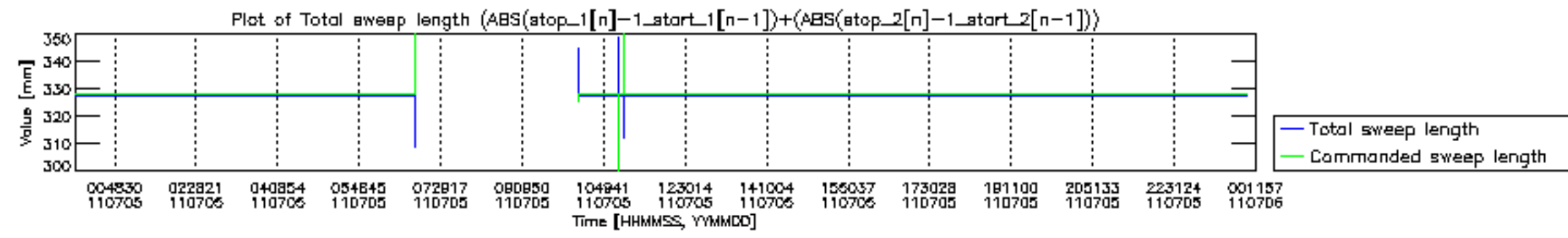


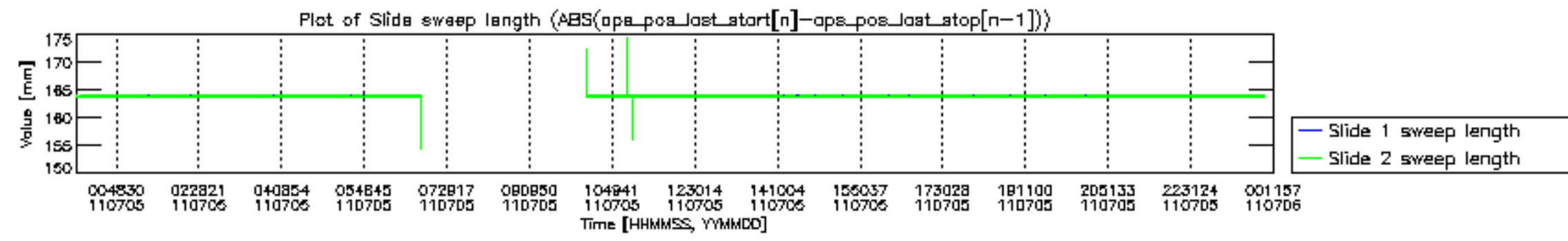


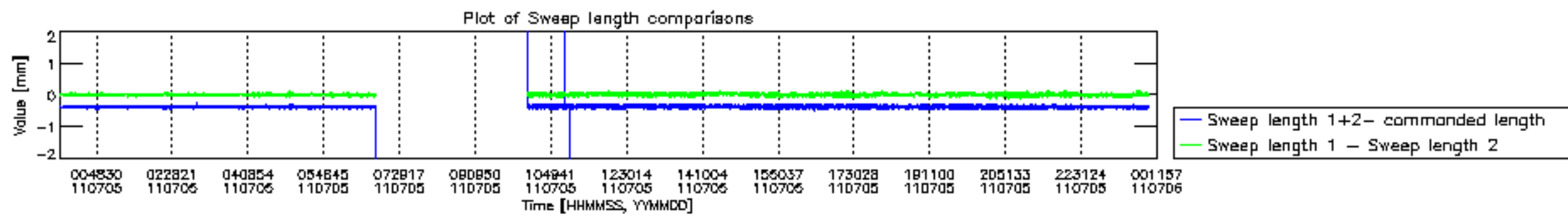


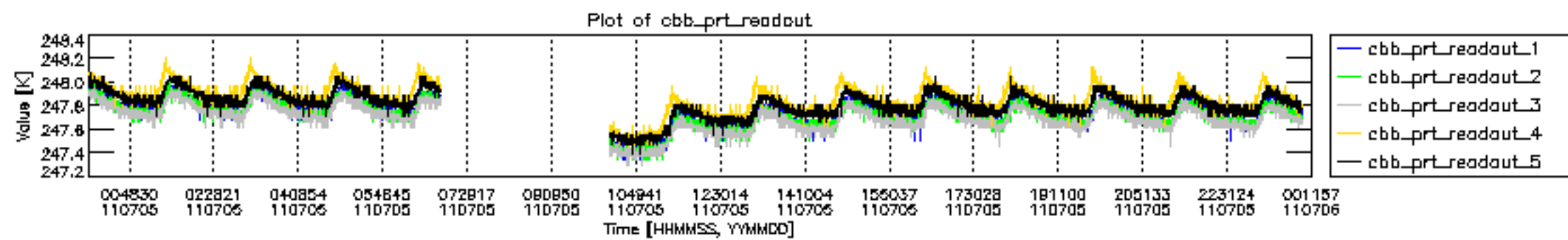


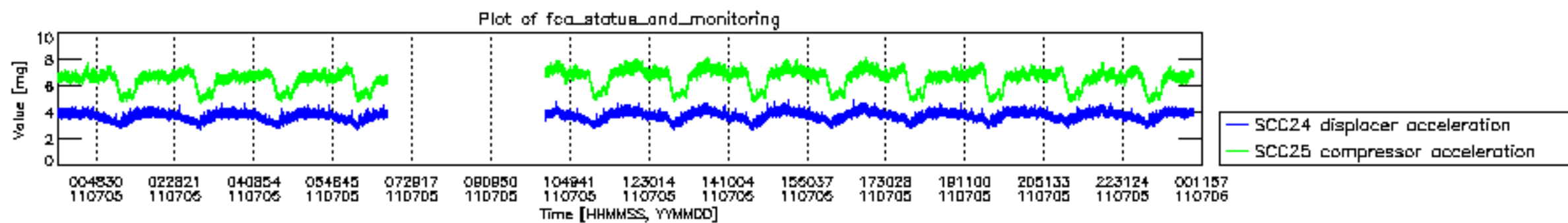












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

