

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	25AUG2011 16:10:10
Data source version	KSPT_L0/4504-N
Processing scope for products	20AUG2011 00:00:00 to 21AUG2011 00:00:00
Start time of first product within scope	20AUG2011 00:19:47
Stop time of last product within scope	21AUG2011 01:21:53
Total number of level 0 products	11
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.

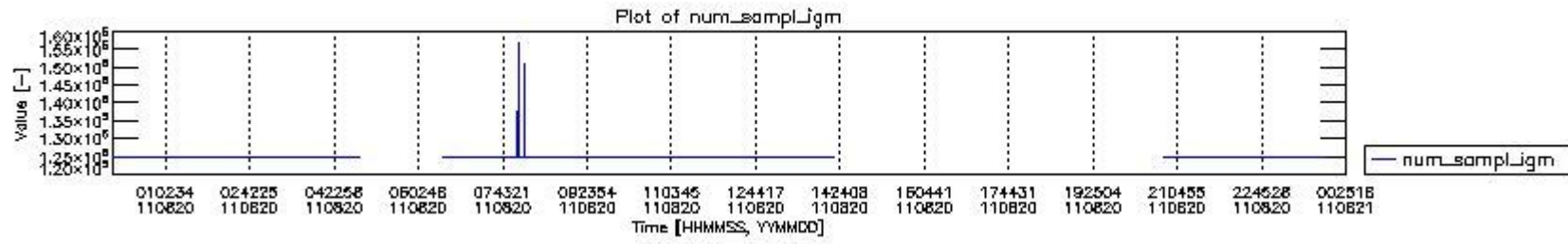
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110820_001947_000058243105_00375_49527_9477.N1	20AUG2011 00:19:47	20AUG2011 01:56:51	0	0	0	0	0
1	MIP_NL__0PNPDE20110820_015552_000045023105_00376_49528_9478.N1	20AUG2011 01:55:52	20AUG2011 03:10:54	0	0	0	0	0
2	MIP_NL__0PNPDE20110820_031019_000061633105_00377_49529_9479.N1	20AUG2011 03:10:19	20AUG2011 04:53:01	0	0	0	0	0
3	MIP_NL__0PNPDK20110820_063238_000040483105_00379_49531_6093.N1	20AUG2011 06:32:38	20AUG2011 07:40:06	0	0	0	0	0
4	MIP_NL__0PNPDK20110820_073933_000061063105_00380_49532_6094.N1	20AUG2011 07:39:33	20AUG2011 09:21:19	0	0	0	0	0
5	MIP_NL__0PNPDK20110820_092035_000059663105_00381_49533_6096.N1	20AUG2011 09:20:35	20AUG2011 11:00:01	0	0	0	0	0
6	MIP_NL__0PNPDK20110820_105917_000060293105_00382_49534_6097.N1	20AUG2011 10:59:17	20AUG2011 12:39:46	1	1	0	0	0
7	MIP_NL__0PNPDK20110820_123902_000059223105_00383_49535_6098.N1	20AUG2011 12:39:02	20AUG2011 14:17:44	0	0	0	0	0
8	MIP_NL__0PNPDE20110820_204922_000043853105_00388_49540_9481.N1	20AUG2011 20:49:22	20AUG2011 22:02:27	0	0	0	0	0
9	MIP_NL__0PNPDE20110820_220124_000060983105_00388_49540_9482.N1	20AUG2011 22:01:24	20AUG2011 23:43:02	0	0	0	0	0
10	MIP_NL__0PNPDE20110820_234203_000059893105_00389_49541_9483.N1	20AUG2011 23:42:03	21AUG2011 01:21:53	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

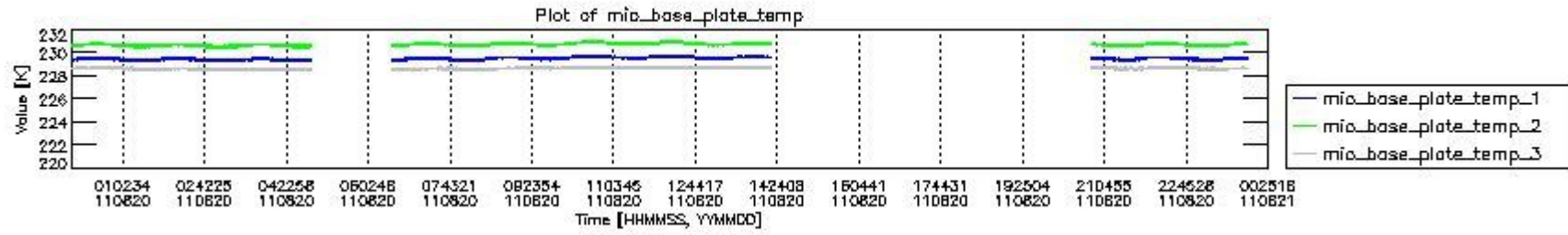
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

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

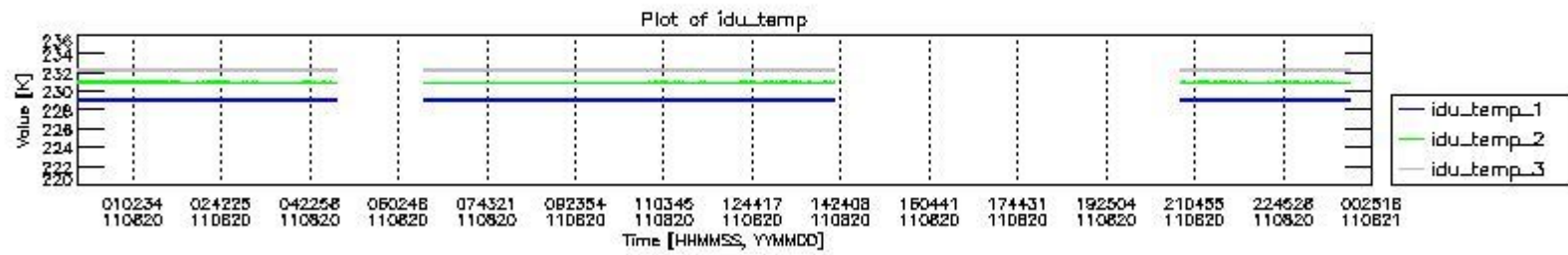
Number of igm samples	Count [#]	Count [%]
124800	25436	92.916895
124803	1933	7.0611872
127828	1	0.0036529680
130727	1	0.0036529680
147960	1	0.0036529680
150859	1	0.0036529680
150988	1	0.0036529680



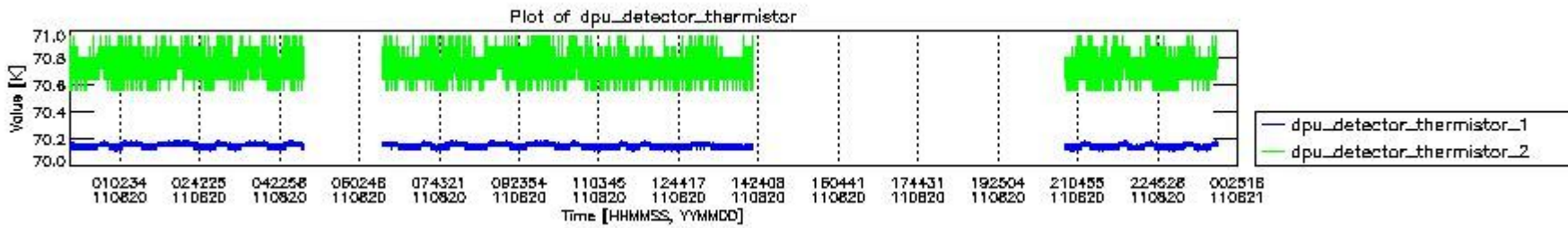
mipas_daily_report_level0_KSPT_L0_4504_N_20110820_0.PNG



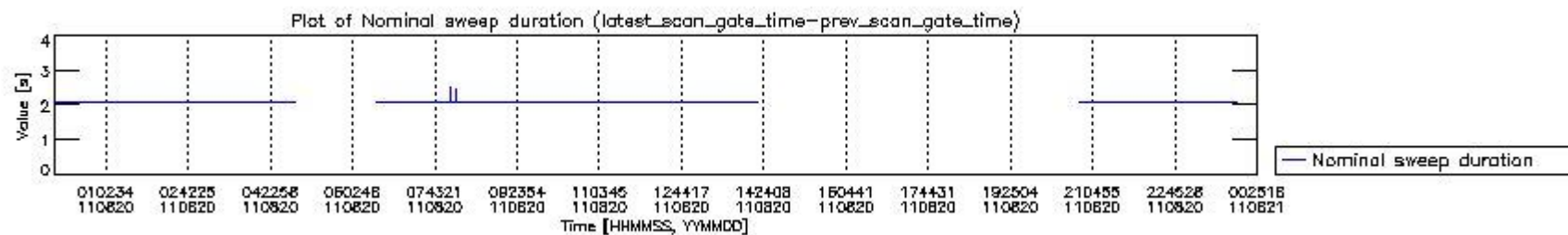
mipas_daily_report_level0_KSPT_L0_4504_N_20110820_1.PNG



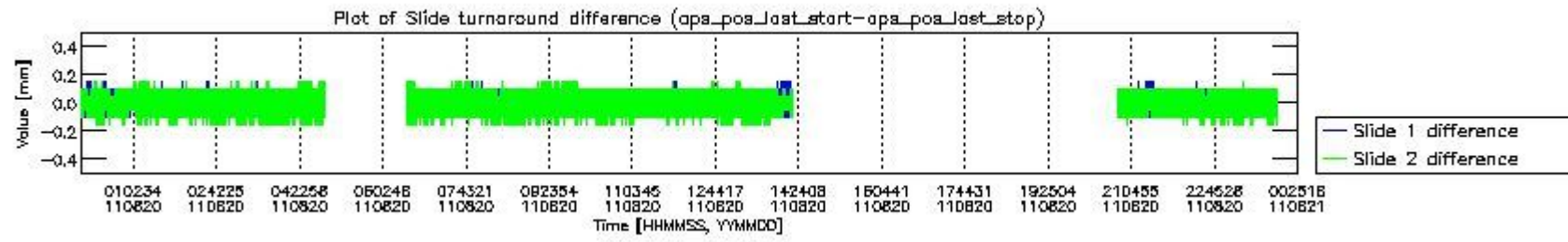
mipas_daily_report_level0_KSPT_L0_4504_N_20110820_2.PNG



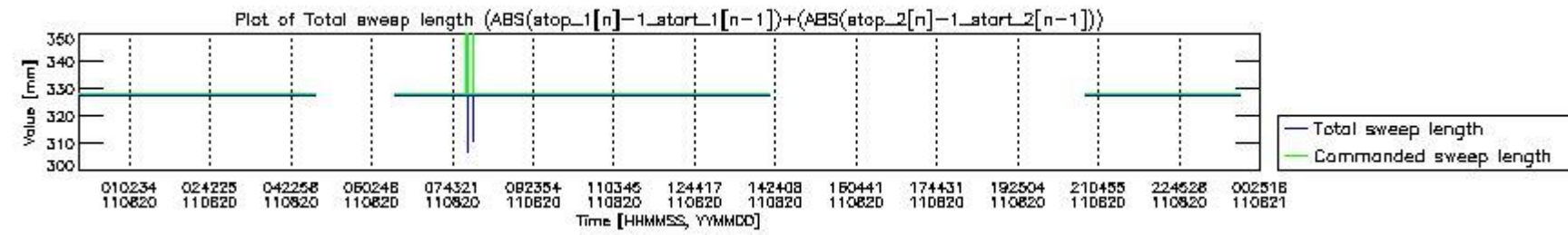
mipas_daily_report_level0_KSPT_L0_4504_N_20110820_3.PNG



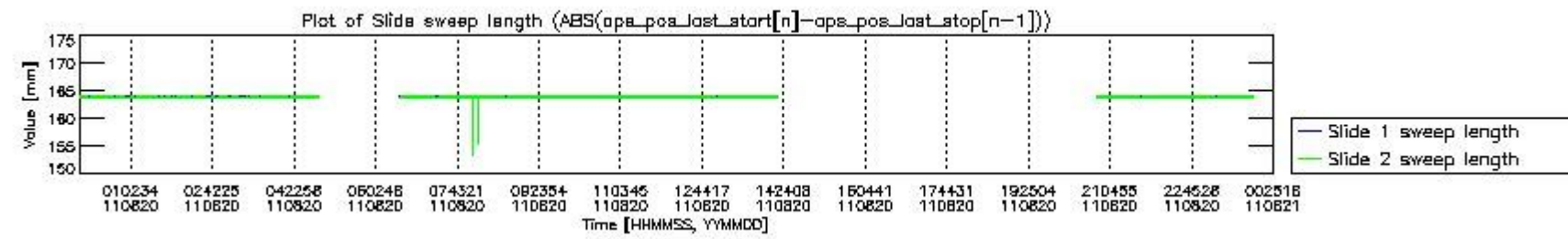
mipas_daily_report_level0_KSPT_L0_4504_N_20110820_4.PNG



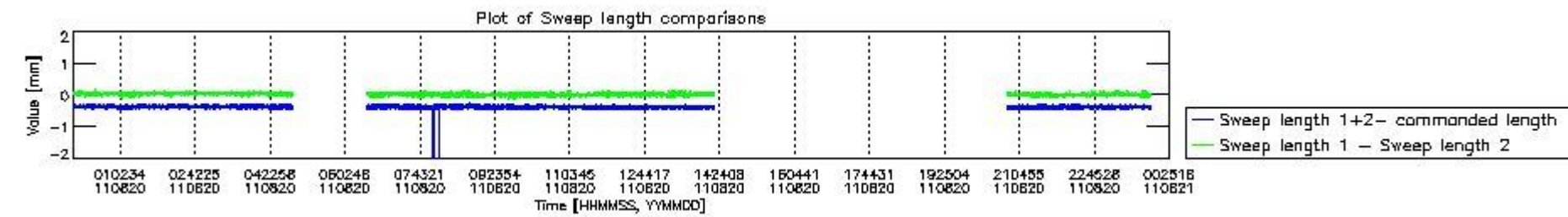
mipas_daily_report_level0_KSPT_L0_4504_N_20110820_5.PNG



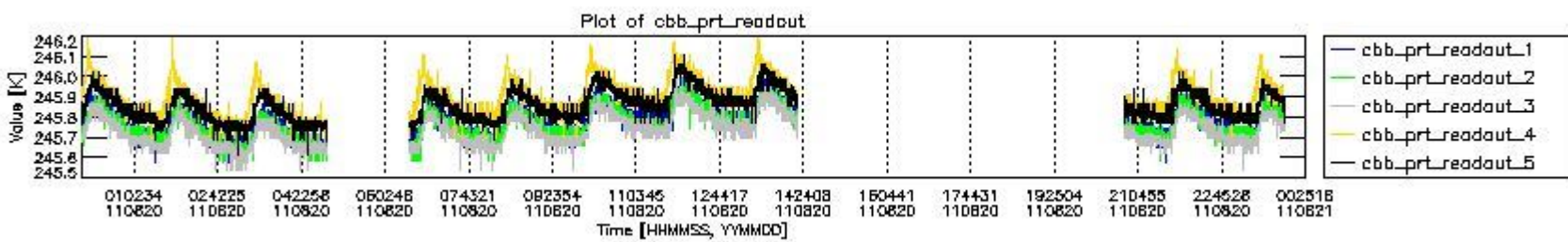
mipas_daily_report_level0_KSPT_L0_4504_N_20110820_6.PNG



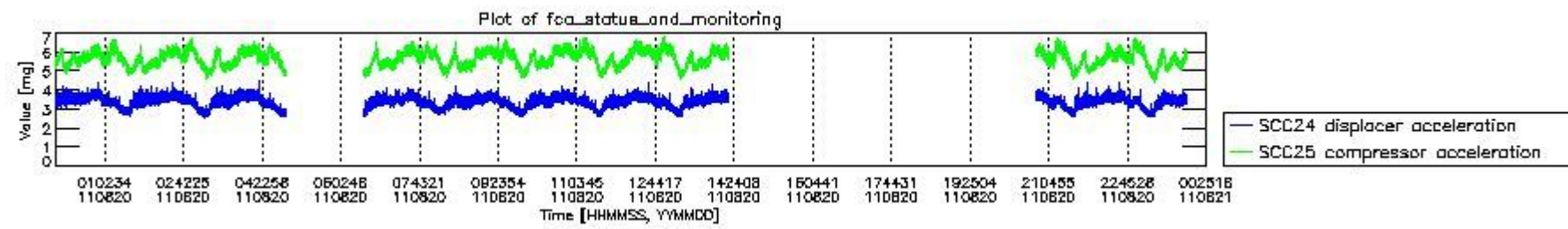
mipas_daily_report_level0_KSPT_L0_4504_N_20110820_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110820_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110820_9.PNG

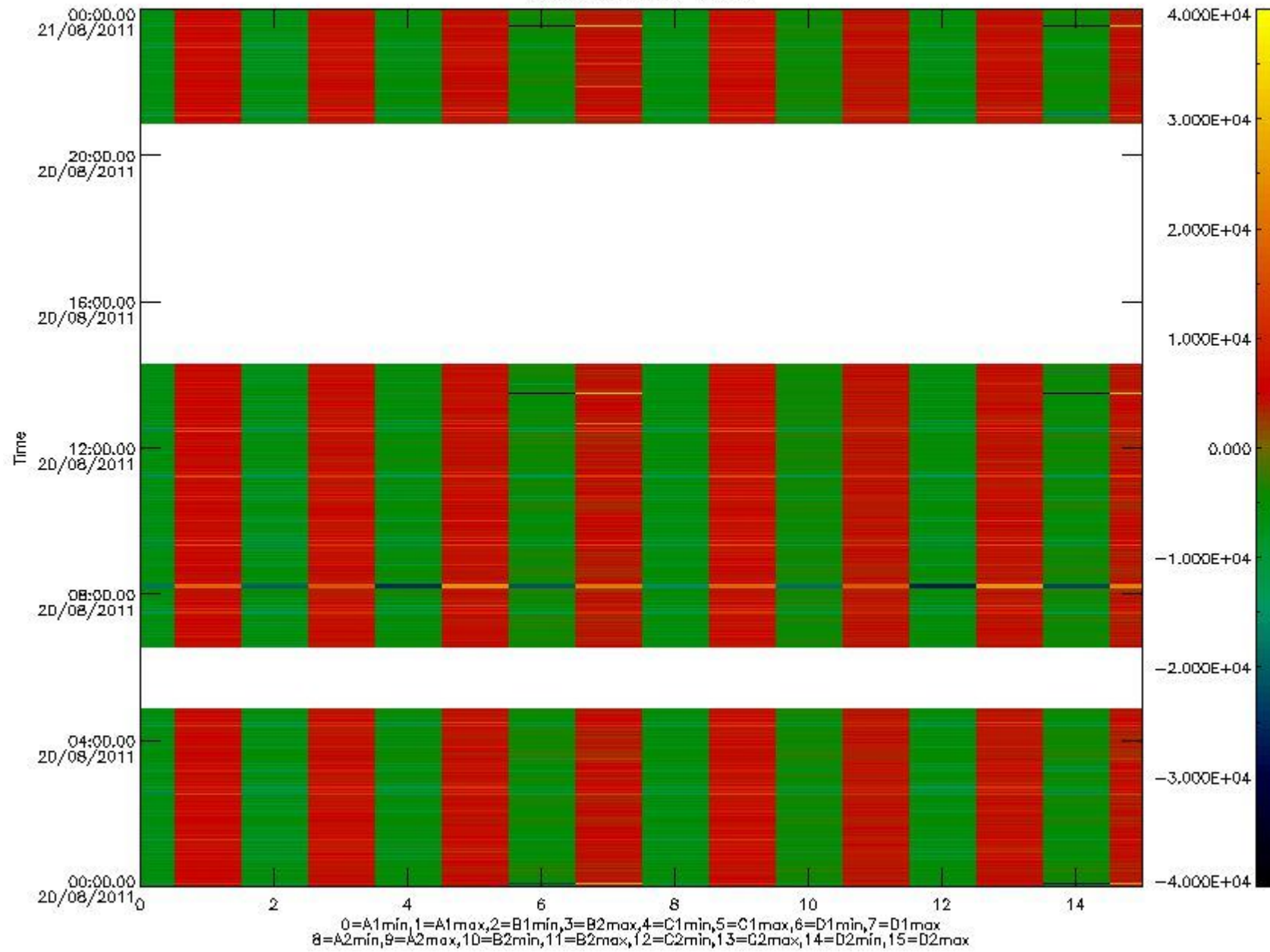


mipas_daily_report_level0_KSPT_L0_4504_N_20110820_10.PNG

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

Channel	Min	Max	ADC
A1	-18542	20062	16bit
B1	-20661	17759	16bit
C1	-25835	25735	16bit
D1	-32768	32767	16bit
A2	-15835	19573	16bit
B2	-18894	18546	16bit
C2	-26882	26497	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_20110820_11.PNG

0.3 ADF monitoring

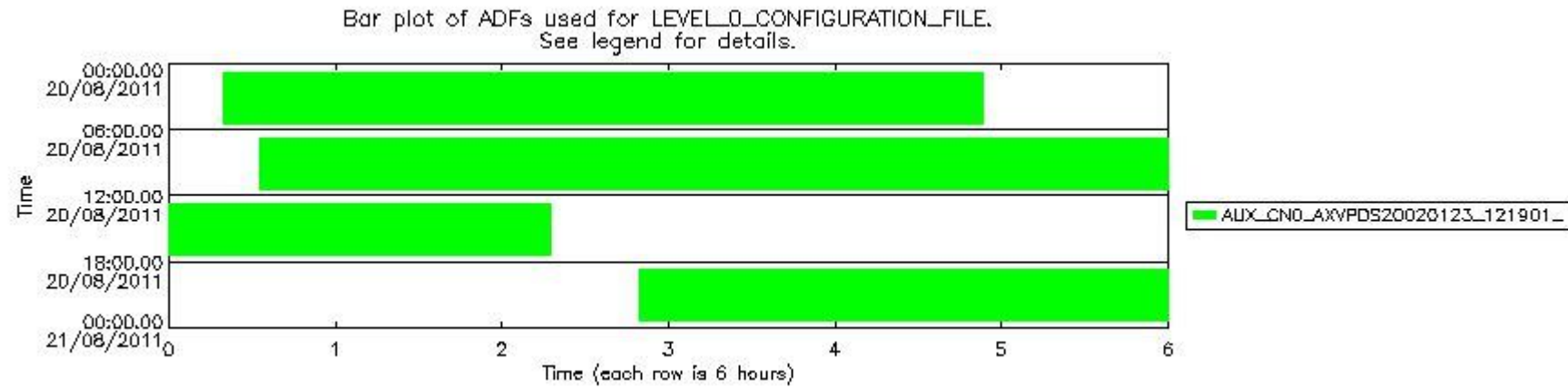
The use of ADFs is shown in two ways:

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.

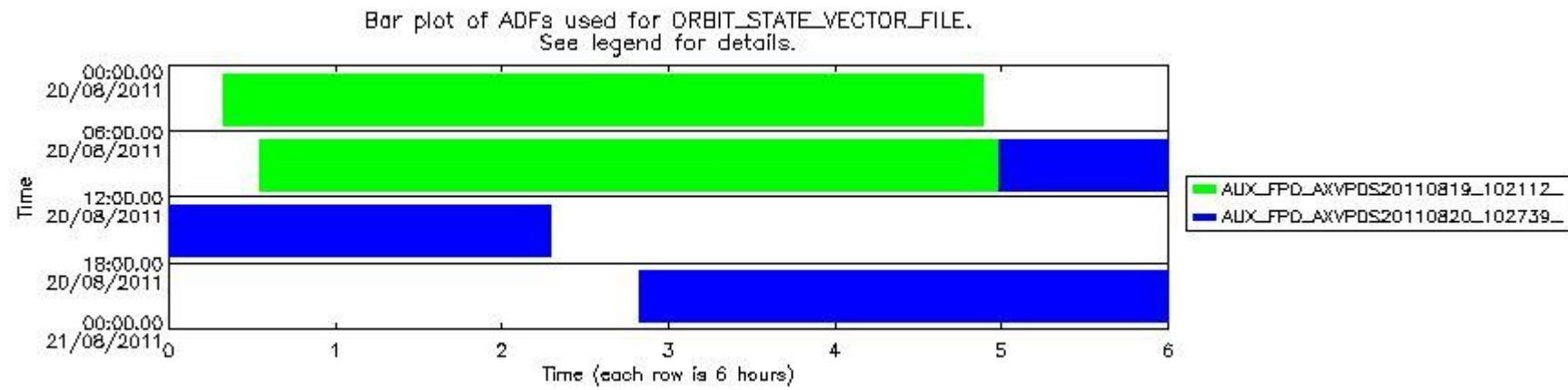
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110819_102112_20110818_182611_20110828_203958
2	AUX_FPO_AXVPDS20110820_102739_20110819_192941_20110829_200314

Number	Product name	#CN0	#FPO
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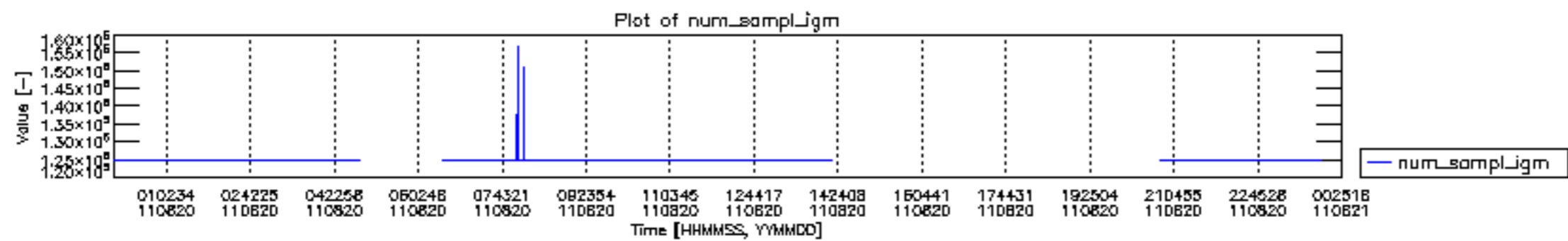
0	MIP_NL__0PNPDE20110820_001947_000058243105_00375_49527_9477.N1	0	1
1	MIP_NL__0PNPDE20110820_015552_000045023105_00376_49528_9478.N1	0	1
2	MIP_NL__0PNPDE20110820_031019_000061633105_00377_49529_9479.N1	0	1
3	MIP_NL__0PNPDK20110820_063238_000040483105_00379_49531_6093.N1	0	1
4	MIP_NL__0PNPDK20110820_073933_000061063105_00380_49532_6094.N1	0	1
5	MIP_NL__0PNPDK20110820_092035_000059663105_00381_49533_6096.N1	0	1
6	MIP_NL__0PNPDK20110820_105917_000060293105_00382_49534_6097.N1	0	2
7	MIP_NL__0PNPDK20110820_123902_000059223105_00383_49535_6098.N1	0	2
8	MIP_NL__0PNPDE20110820_204922_000043853105_00388_49540_9481.N1	0	2
9	MIP_NL__0PNPDE20110820_220124_000060983105_00388_49540_9482.N1	0	2
10	MIP_NL__0PNPDE20110820_234203_000059893105_00389_49541_9483.N1	0	2

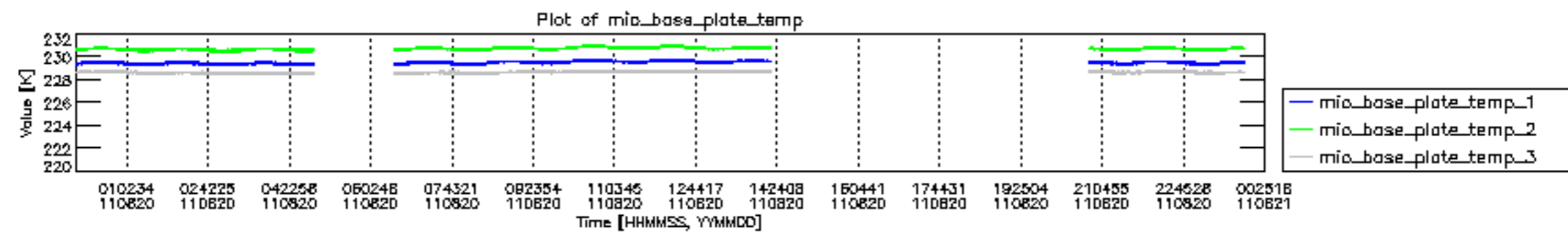


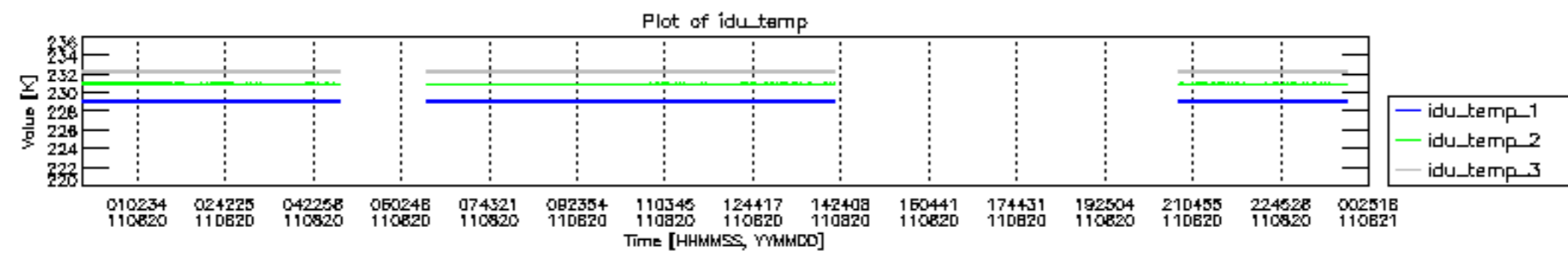
mipas_daily_report_level0_KSPT_L0_4504_N_20110820_12.PNG

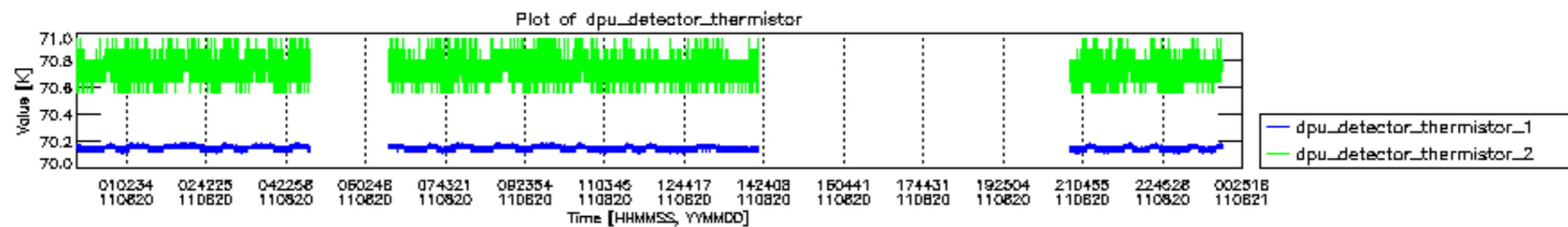


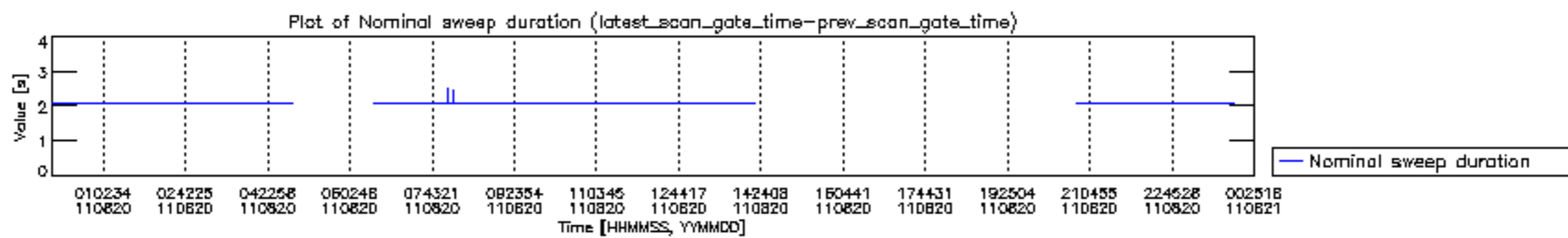
mipas_daily_report_level0_KSPT_L0_4504_N_20110820_13.PNG

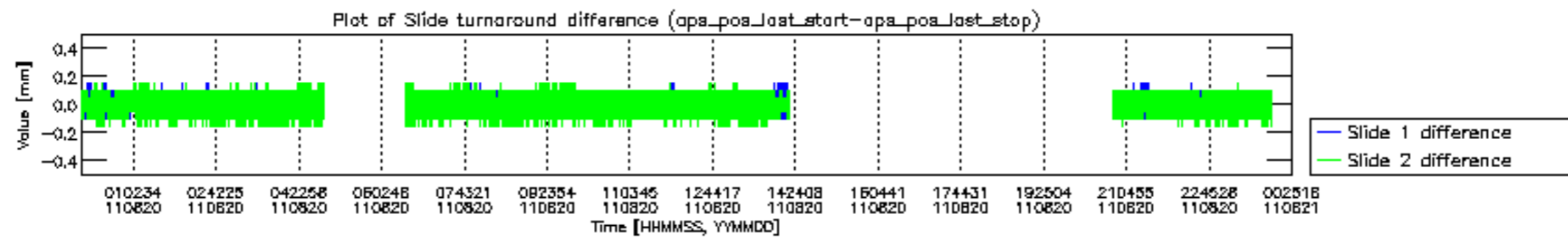


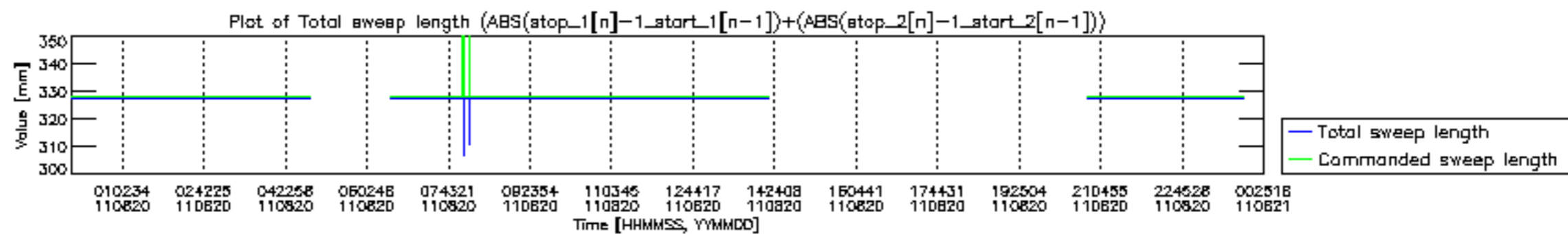


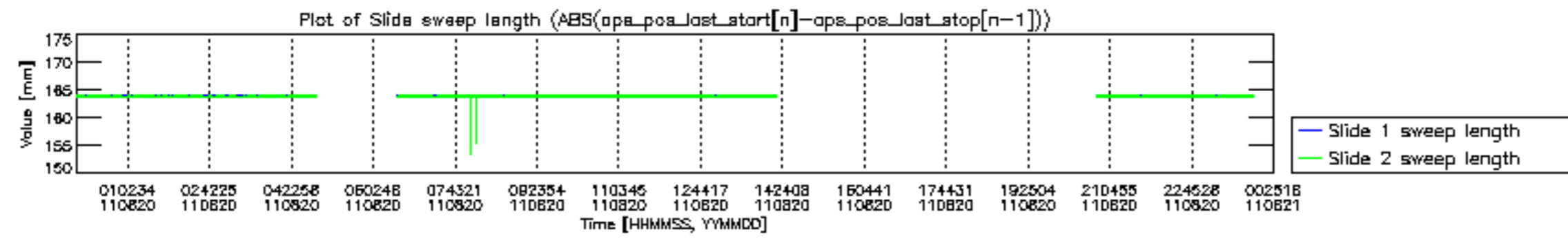


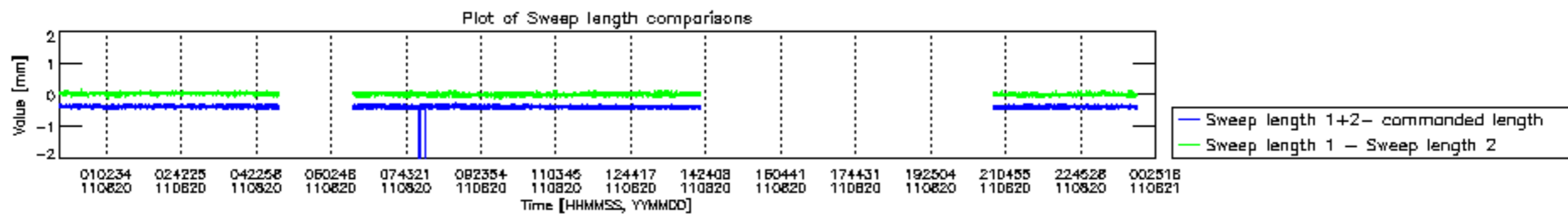


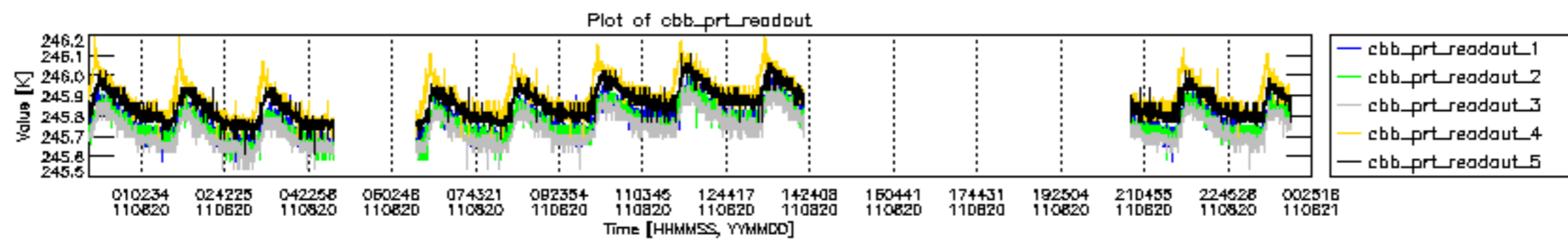


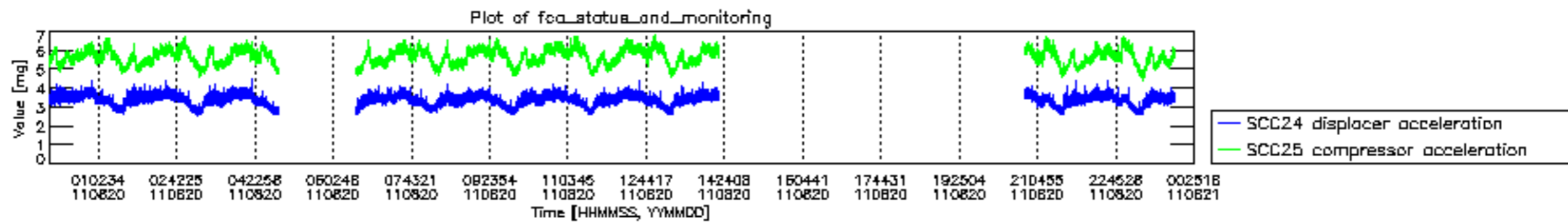












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

