

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	11MAR2012 05:23:04
Data source version	KSPT_L0/4504-N
Processing scope for products	06MAR2012 00:00:00 to 07MAR2012 00:00:00
Start time of first product within scope	06MAR2012 00:22:11
Stop time of last product within scope	07MAR2012 01:27:31
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.

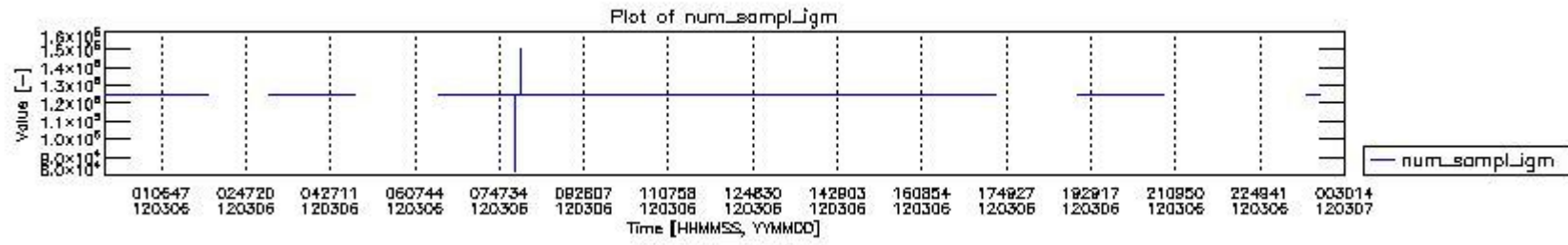
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20120306_002211_000059583112_00217_52386_1167.N1	06MAR2012 00:22:11	06MAR2012 02:01:29	0	0	0	0	0
1	MIP_NL__0PNPDE20120306_031424_000061253112_00219_52388_1169.N1	06MAR2012 03:14:24	06MAR2012 04:56:29	0	0	0	0	0
2	MIP_NL__0PNPDK20120306_063634_000041223112_00221_52390_8801.N1	06MAR2012 06:36:34	06MAR2012 07:45:16	0	0	0	0	0
3	MIP_NL__0PNPDK20120306_074443_000061043112_00222_52391_8802.N1	06MAR2012 07:44:43	06MAR2012 09:26:26	0	0	0	0	0
4	MIP_NL__0PNPDK20120306_092542_000058553112_00223_52392_8803.N1	06MAR2012 09:25:42	06MAR2012 11:03:18	0	0	0	0	0
5	MIP_NL__0PNPDK20120306_110205_000061503112_00224_52393_8804.N1	06MAR2012 11:02:05	06MAR2012 12:44:35	0	0	0	0	0
6	MIP_NL__0PNPDK20120306_124336_000059043112_00225_52394_8805.N1	06MAR2012 12:43:36	06MAR2012 14:22:00	0	0	0	0	0
7	MIP_NL__0PNPDK20120306_142101_000058493112_00226_52395_8806.N1	06MAR2012 14:21:01	06MAR2012 15:58:31	0	0	0	0	0
8	MIP_NL__0PNPDK20120306_155732_000058953112_00227_52396_8807.N1	06MAR2012 15:57:32	06MAR2012 17:35:48	0	0	0	0	0
9	MIP_NL__0PNPDK20120306_191403_000060903112_00229_52398_8809.N1	06MAR2012 19:14:03	06MAR2012 20:55:32	0	0	0	0	0
10	MIP_NL__0PNPDE20120306_234552_000060983112_00231_52400_1173.N1	06MAR2012 23:45:52	07MAR2012 01:27:31	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

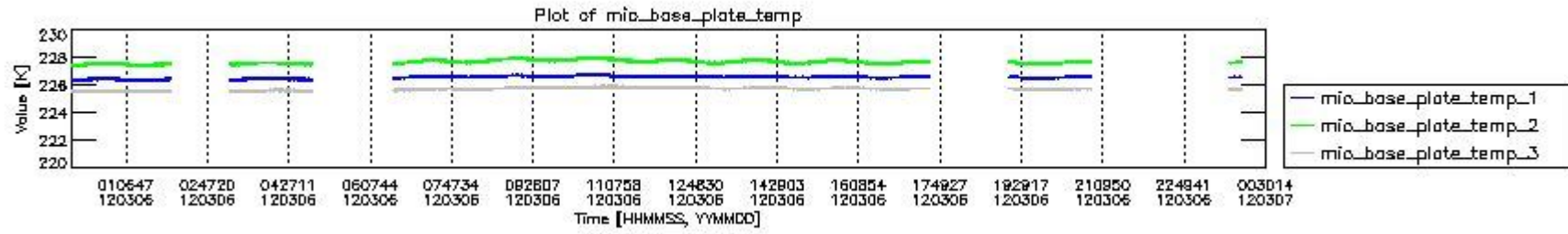
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

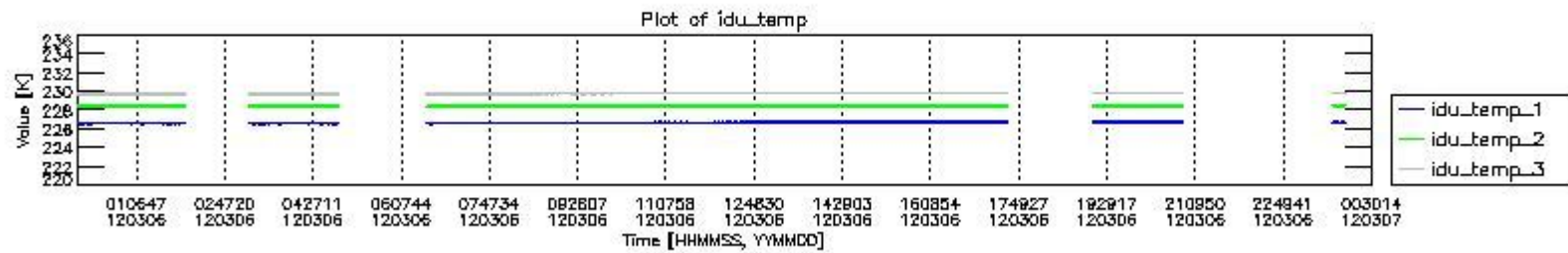
Number of igm samples	Count [#]	Count [%]
82296	1	0.0034730664
93482	1	0.0034730664
113614	1	0.0034730664
124800	26744	92.883687
124803	2043	7.0954746
127605	1	0.0034730664
147737	1	0.0034730664



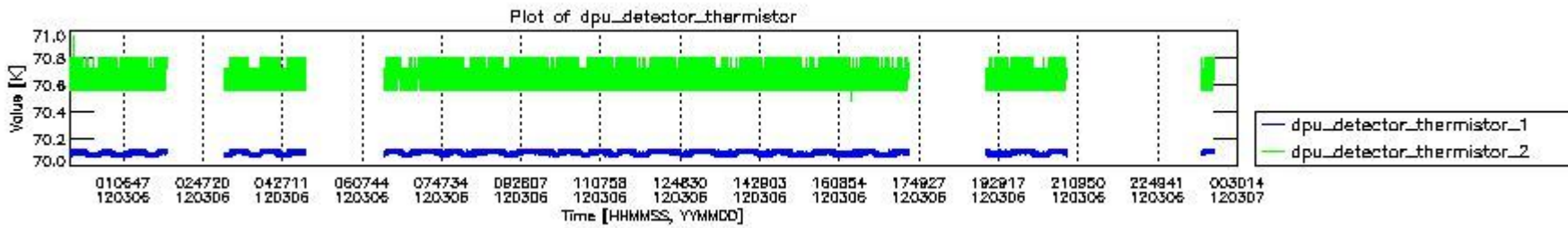
mipas_daily_report_level0_KSPT_L0_4504_N_20120306_0.PNG



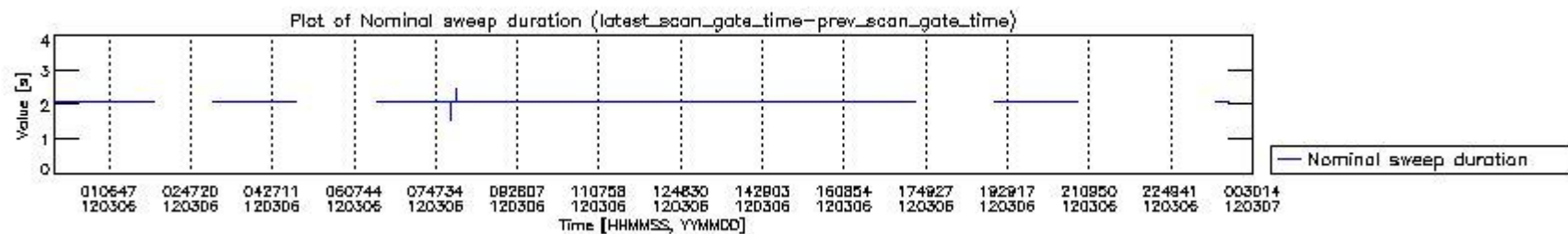
mipas_daily_report_level0_KSPT_L0_4504_N_20120306_1.PNG



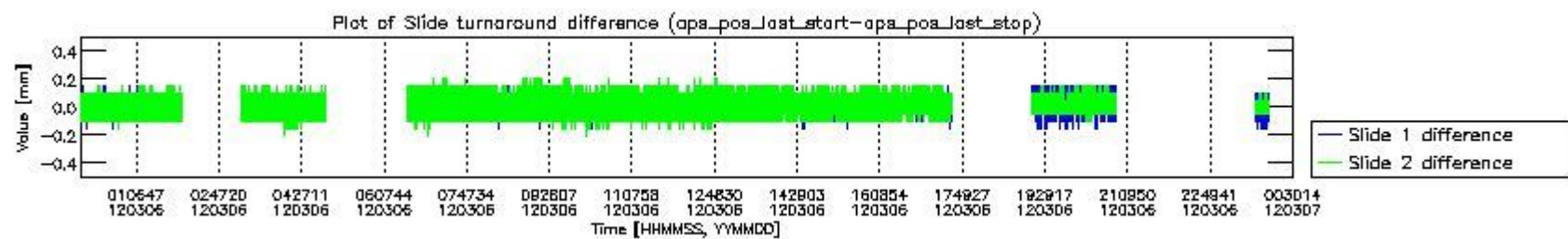
mipas_daily_report_level0_KSPT_L0_4504_N_20120306_2.PNG



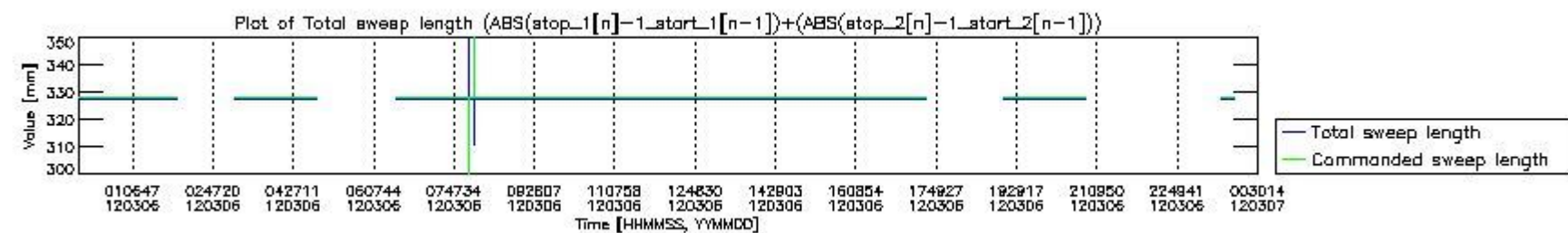
mipas_daily_report_level0_KSPT_L0_4504_N_20120306_3.PNG



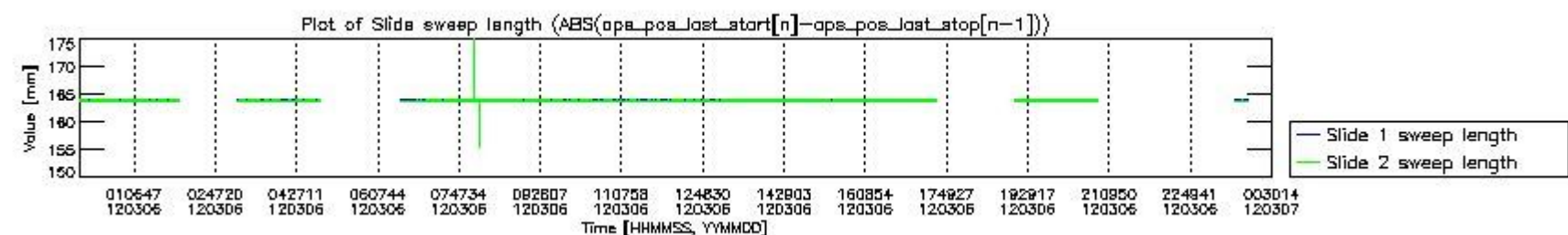
mipas_daily_report_level0_KSPT_L0_4504_N_20120306_4.PNG



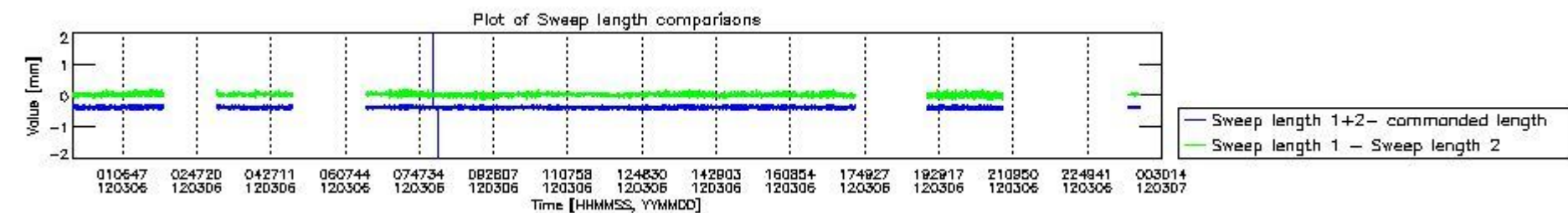
mipas_daily_report_level0_KSPT_L0_4504_N_20120306_5.PNG



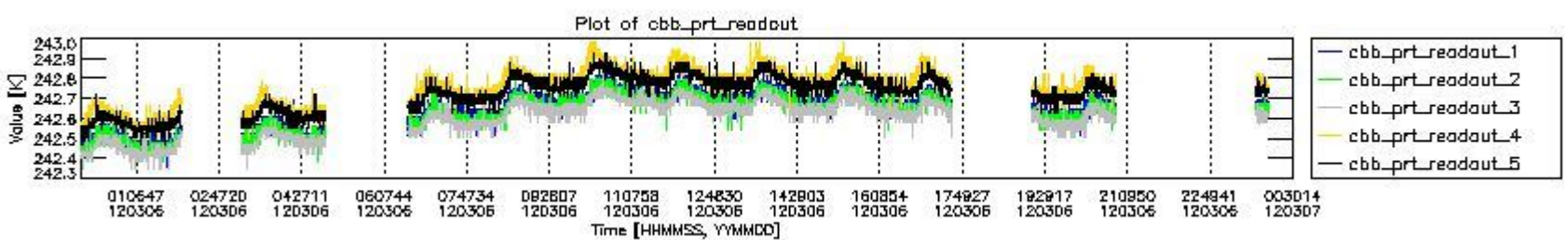
mipas_daily_report_level0_KSPT_L0_4504_N_20120306_6.PNG



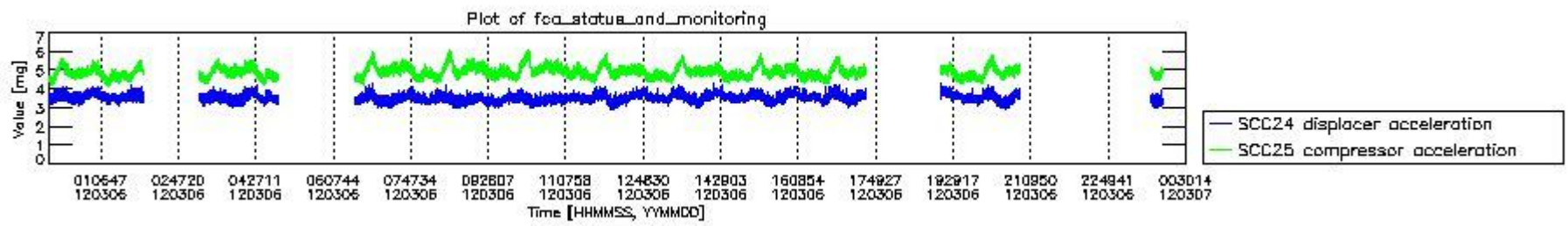
mipas_daily_report_level0_KSPT_L0_4504_N_20120306_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120306_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120306_9.PNG

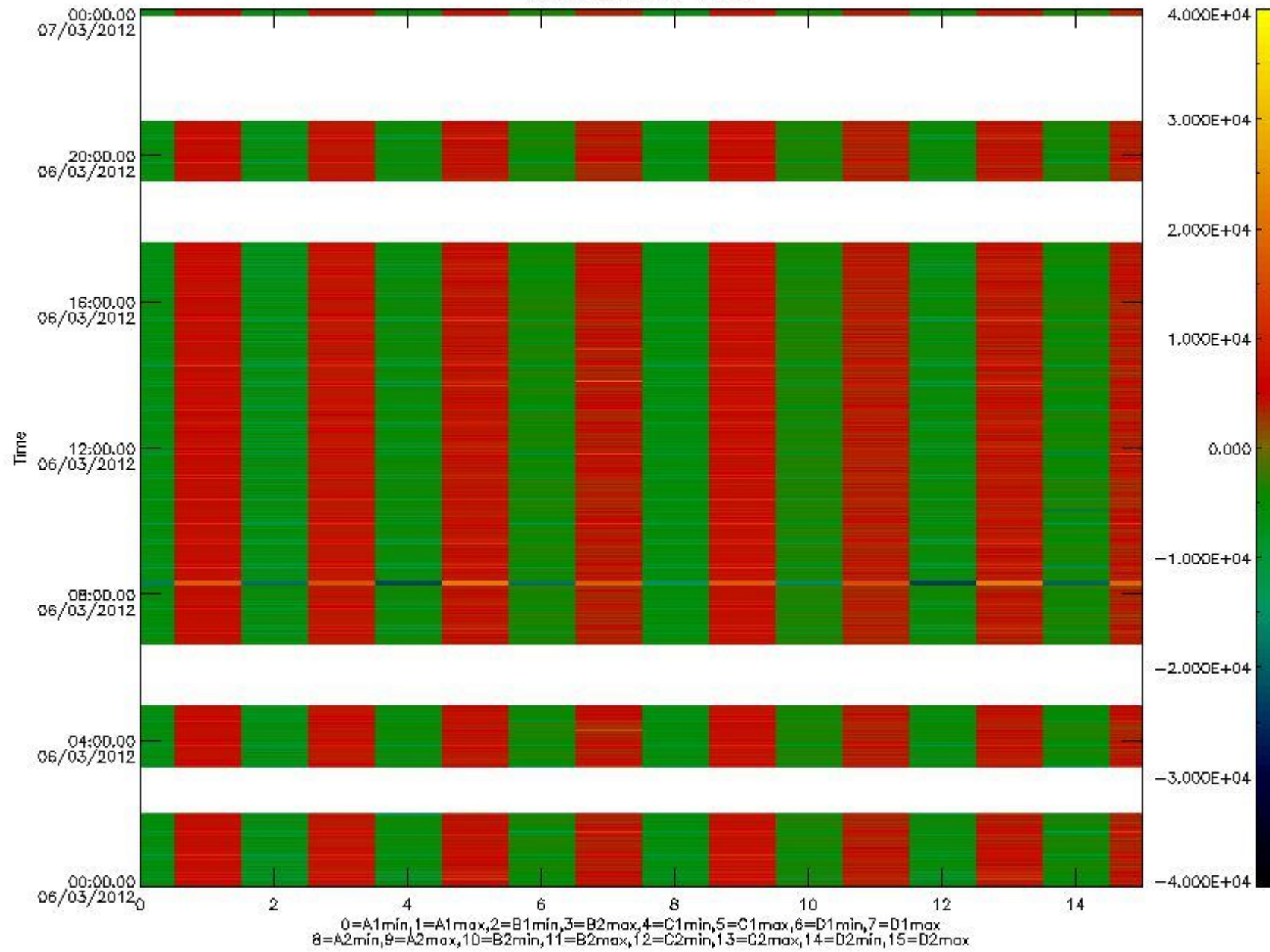


mipas_daily_report_level0_KSPT_L0_4504_N_20120306_10.PNG

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

Channel	Min	Max	ADC
A1	-17317	18198	16bit
B1	-19203	16672	16bit
C1	-23214	22708	16bit
D1	-32768	32767	16bit
A2	-15096	18451	16bit
B2	-16907	16713	16bit
C2	-23856	23390	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_20120306_11.PNG

0.3 ADF monitoring

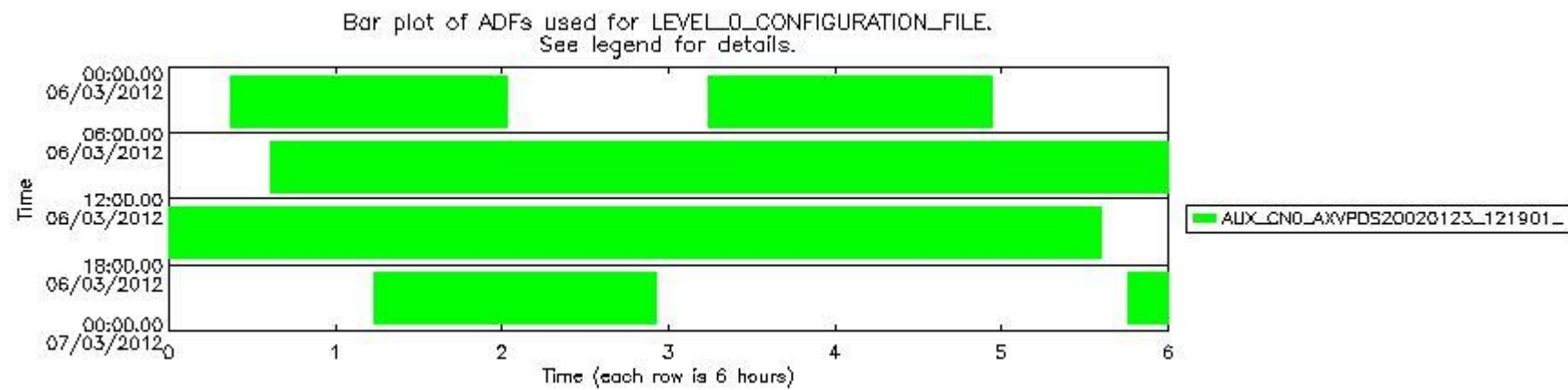
The use of ADFs is shown in two ways:

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.

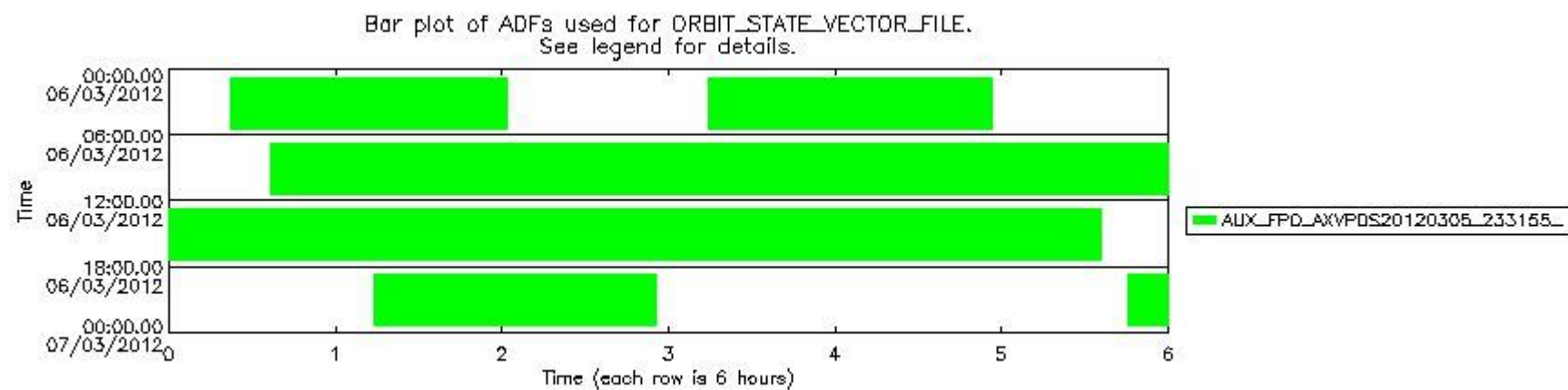
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120305_233155_20120305_193414_20120315_200740

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120306_002211_000059583112_00217_52386_1167.N1	0	1

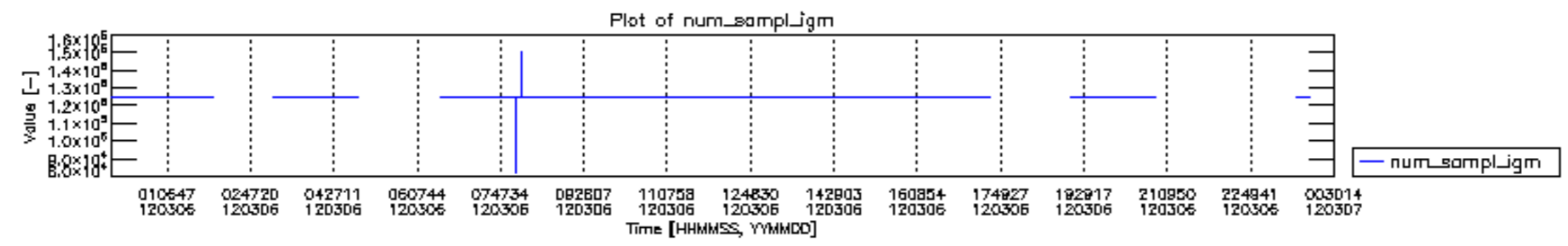
1	MIP_NL__0PNPDE20120306_031424_000061253112_00219_52388_1169.N1	0	1
2	MIP_NL__0PNPDK20120306_063634_000041223112_00221_52390_8801.N1	0	1
3	MIP_NL__0PNPDK20120306_074443_000061043112_00222_52391_8802.N1	0	1
4	MIP_NL__0PNPDK20120306_092542_000058553112_00223_52392_8803.N1	0	1
5	MIP_NL__0PNPDK20120306_110205_000061503112_00224_52393_8804.N1	0	1
6	MIP_NL__0PNPDK20120306_124336_000059043112_00225_52394_8805.N1	0	1
7	MIP_NL__0PNPDK20120306_142101_000058493112_00226_52395_8806.N1	0	1
8	MIP_NL__0PNPDK20120306_155732_000058953112_00227_52396_8807.N1	0	1
9	MIP_NL__0PNPDK20120306_191403_000060903112_00229_52398_8809.N1	0	1
10	MIP_NL__0PNPDE20120306_234552_000060983112_00231_52400_1173.N1	0	1

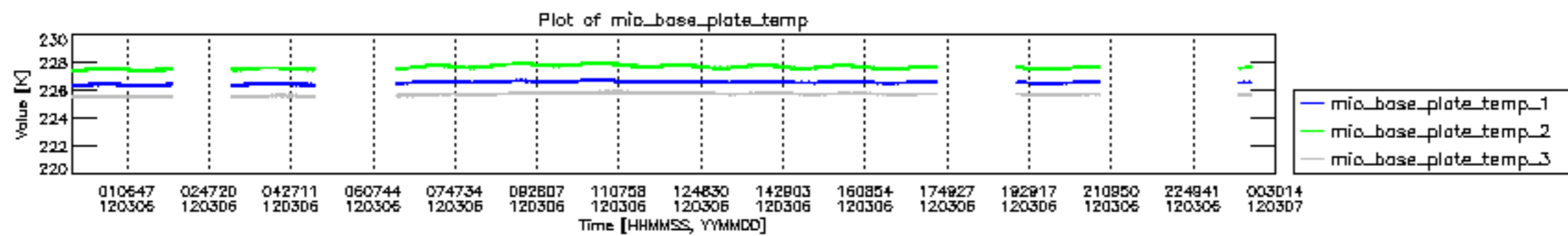


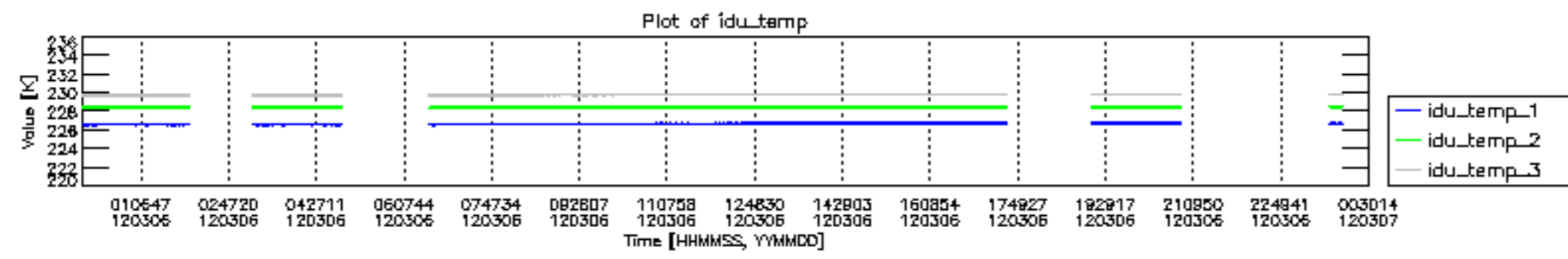
mipas_daily_report_level0_KSPT_L0_4504_N_20120306_12.PNG

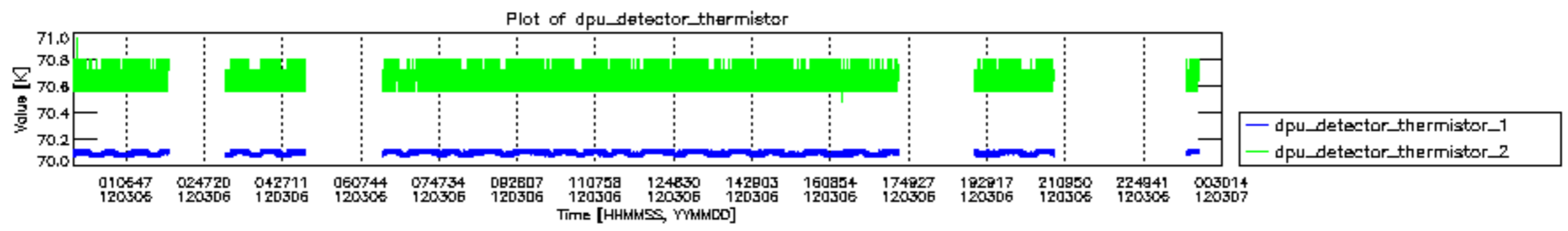


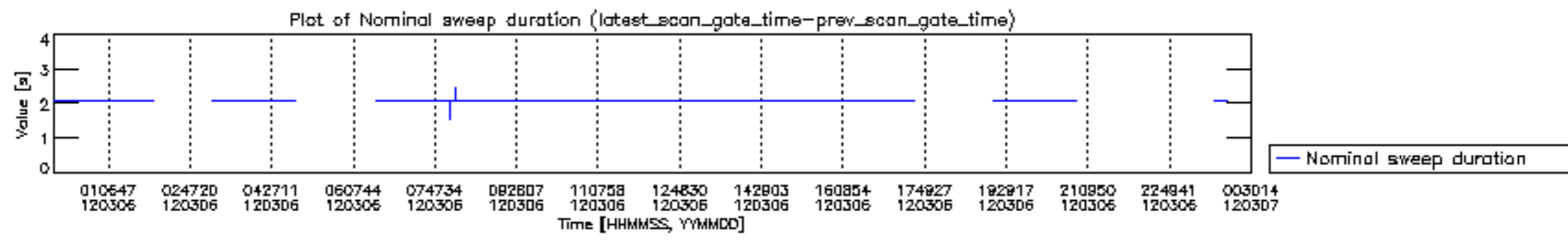
mipas_daily_report_level0_KSPT_L0_4504_N_20120306_13.PNG

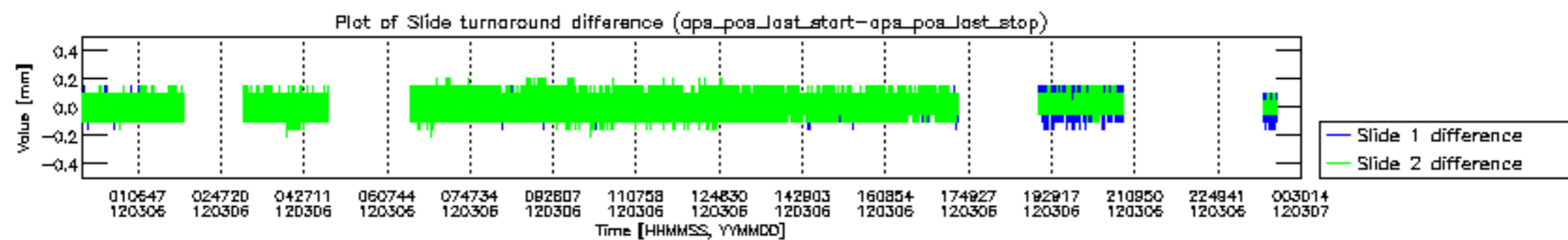


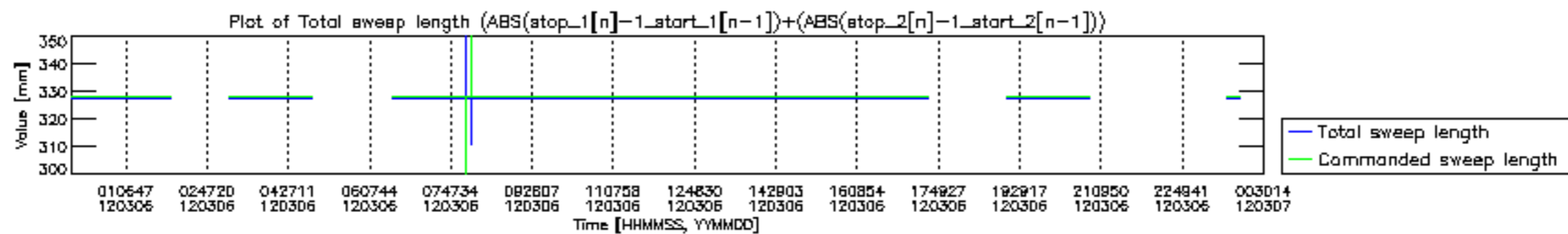


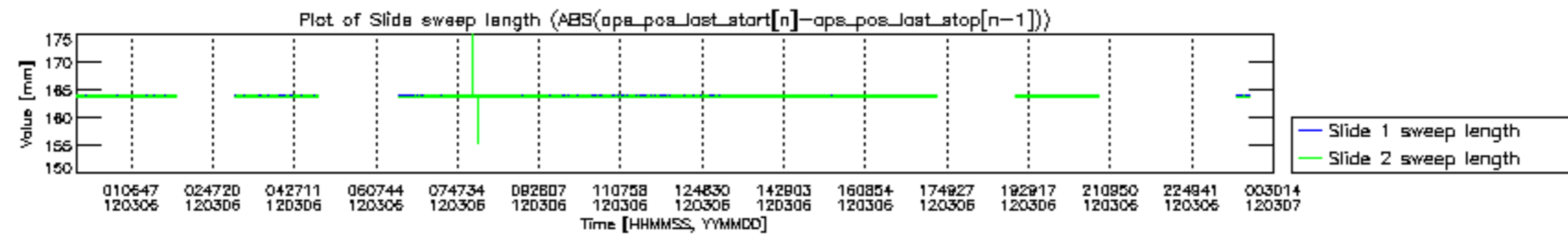


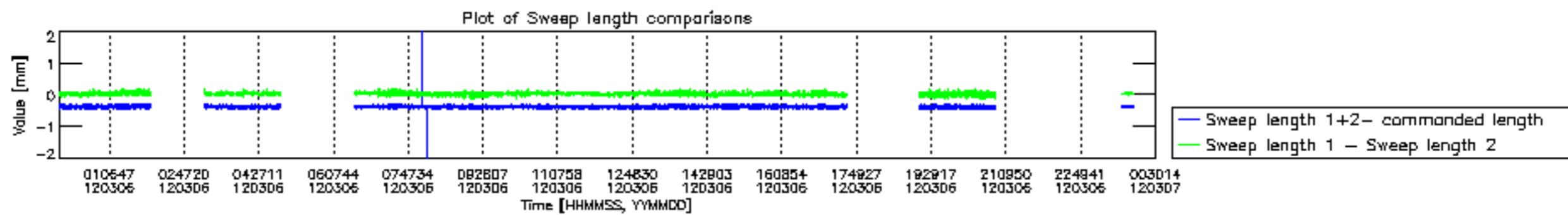


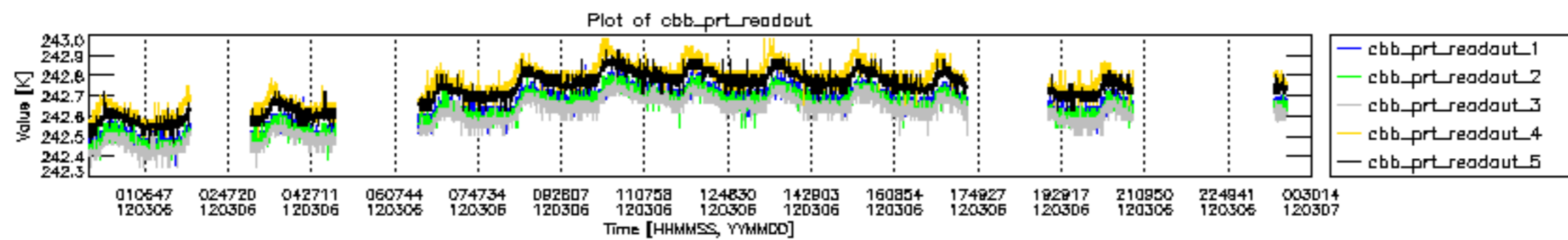


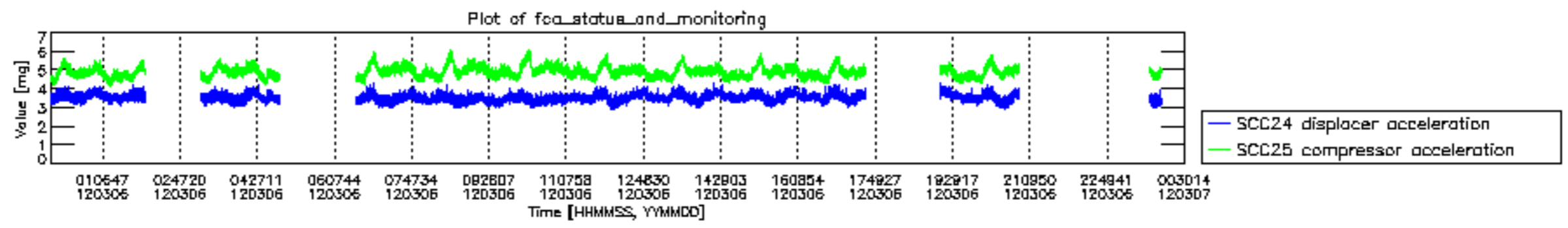












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

