

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	31AUG2011 05:24:09
Data source version	KSPT_L0/4504-N
Processing scope for products	26AUG2011 00:00:00 to 27AUG2011 00:00:00
Start time of first product within scope	26AUG2011 01:36:26
Stop time of last product within scope	27AUG2011 01:02:19
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__OPNPDE20110826_013626_000044833106_00031_49614_9520.N1	26AUG2011 01:36:26	26AUG2011 02:51:09	0	0	0	0	0
1	MIP_NL__OPNPDE20110826_025036_000060963106_00032_49615_9521.N1	26AUG2011 02:50:36	26AUG2011 04:32:12	0	0	0	0	0
2	MIP_NL__OPNPDE20110826_043140_000060813106_00033_49616_9522.N1	26AUG2011 04:31:40	26AUG2011 06:13:01	0	0	0	0	0
3	MIP_NL__OPNPDK20110826_061228_000040733106_00034_49617_6146.N1	26AUG2011 06:12:28	26AUG2011 07:20:21	0	0	0	0	0
4	MIP_NL__OPNPDK20110826_071950_000061063106_00035_49618_6147.N1	26AUG2011 07:19:50	26AUG2011 09:01:36	0	0	0	0	0
5	MIP_NL__OPNPDK20110826_090103_000059793106_00036_49619_6148.N1	26AUG2011 09:01:03	26AUG2011 10:40:42	0	0	0	0	0
6	MIP_NL__OPNPDK20110826_103952_000059243106_00037_49620_6149.N1	26AUG2011 10:39:52	26AUG2011 12:18:36	0	0	0	0	0
7	MIP_NL__OPNPDK20110826_121746_000059563106_00038_49621_6150.N1	26AUG2011 12:17:46	26AUG2011 13:57:02	0	0	0	0	0
8	MIP_NL__OPNPDK20110826_135624_000059523106_00039_49622_6151.N1	26AUG2011 13:56:24	26AUG2011 15:35:36	0	0	0	0	0
9	MIP_NL__OPNPDK20110826_153339_000059543106_00040_49623_6152.N1	26AUG2011 15:33:39	26AUG2011 17:12:53	0	0	0	0	0
10	MIP_NL__OPNPDK20110826_171146_000059083106_00041_49624_6153.N1	26AUG2011 17:11:46	26AUG2011 18:50:13	0	0	0	0	0
11	MIP_NL__OPNPDK20110826_184909_000059453106_00042_49625_6154.N1	26AUG2011 18:49:09	26AUG2011 20:28:14	0	0	0	0	0
12	MIP_NL__OPNPDE20110826_202625_000045143106_00043_49626_9523.N1	26AUG2011 20:26:25	26AUG2011 21:41:40	0	0	0	0	0
13	MIP_NL__OPNPDE20110826_214035_000061423106_00043_49626_9524.N1	26AUG2011 21:40:35	26AUG2011 23:22:57	0	0	0	0	0
14	MIP_NL__OPNPDE20110826_232154_000060253106_00044_49627_9525.N1	26AUG2011 23:21:54	27AUG2011 01:02:19	0	0	0	0	0

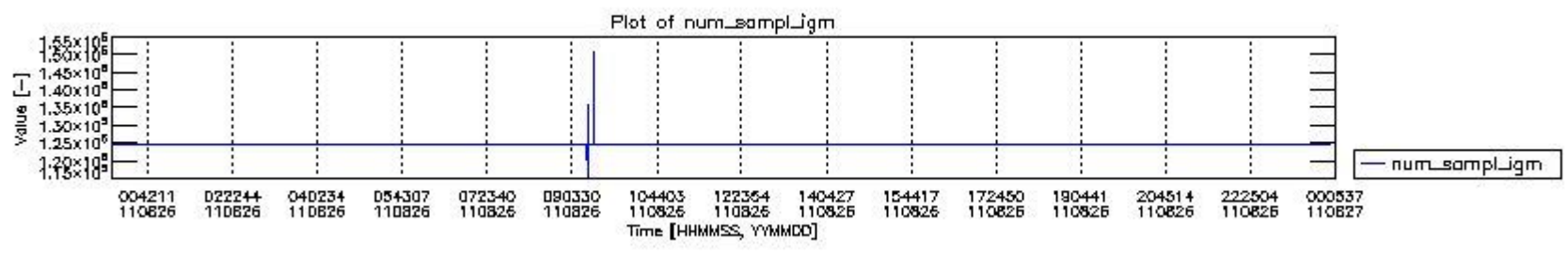
0.2 Instrument Operational Performance Parameters

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.

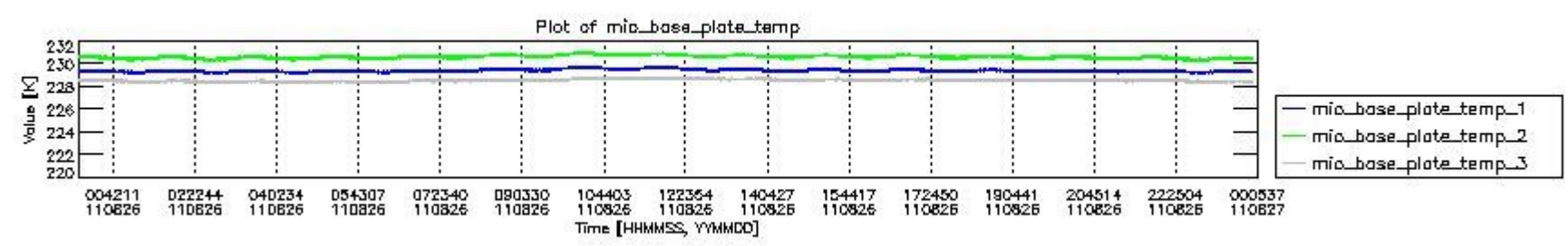
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
115710	1	0.0024029220
124800	38658	92.892157
124803	2952	7.0934256

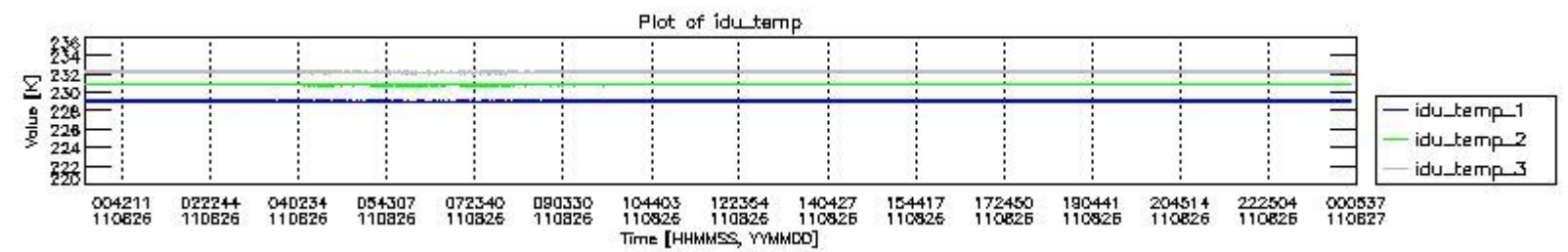
126752	1	0.0024029220
127828	1	0.0024029220
135842	1	0.0024029220
147960	1	0.0024029220
150988	1	0.0024029220



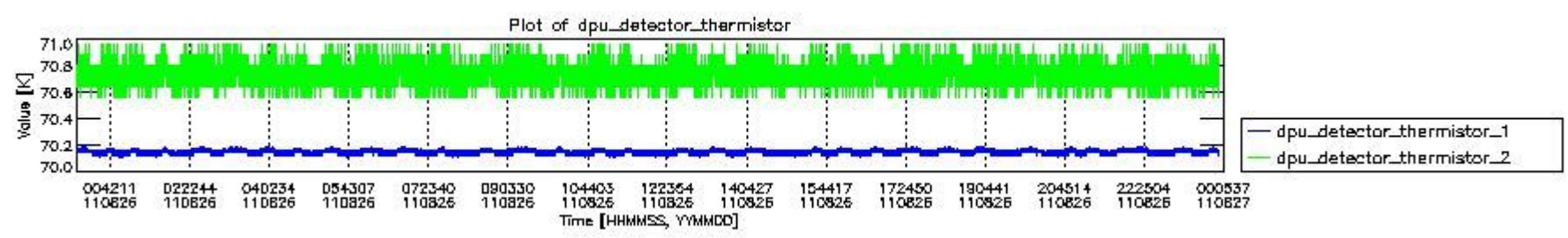
mipas_daily_report_level0_KSPT_L0_4504_N_20110826_0.PNG



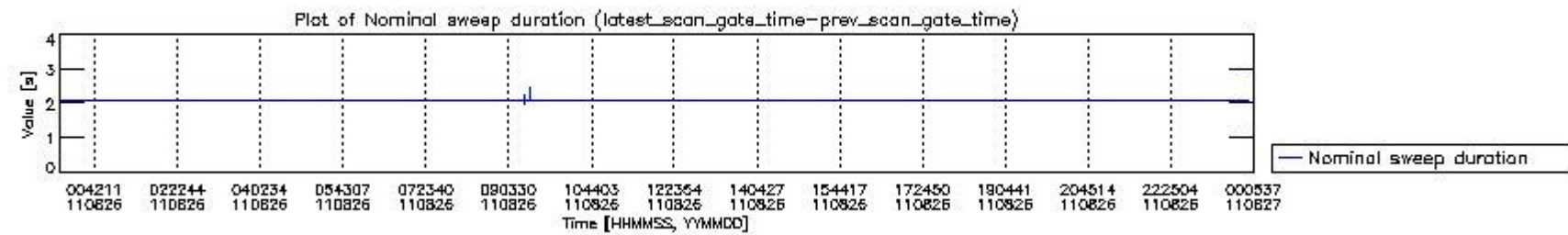
mipas_daily_report_level0_KSPT_L0_4504_N_20110826_1.PNG



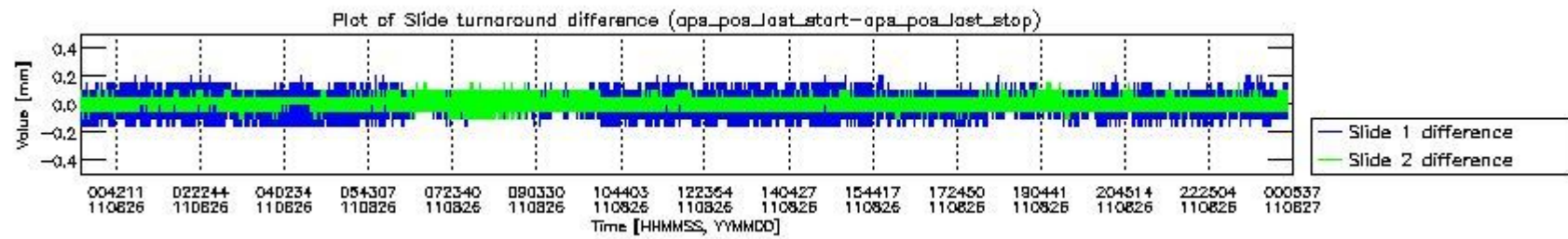
mipas_daily_report_level0_KSPT_L0_4504_N_20110826_2.PNG



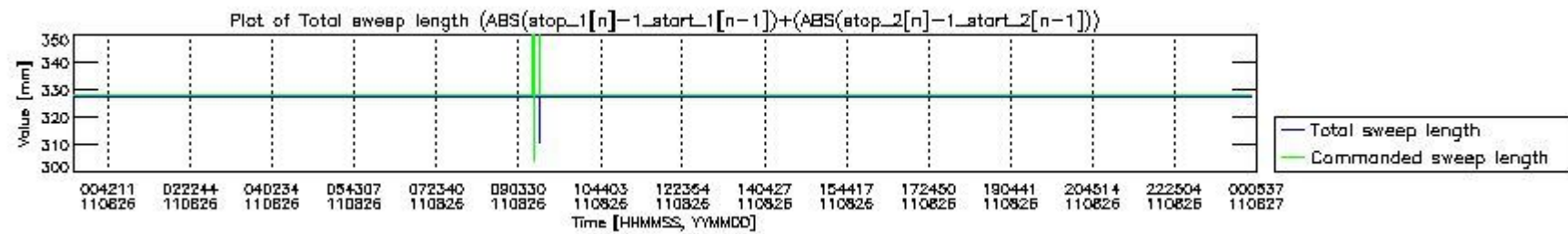
mipas_daily_report_level0_KSPT_L0_4504_N_20110826_3.PNG



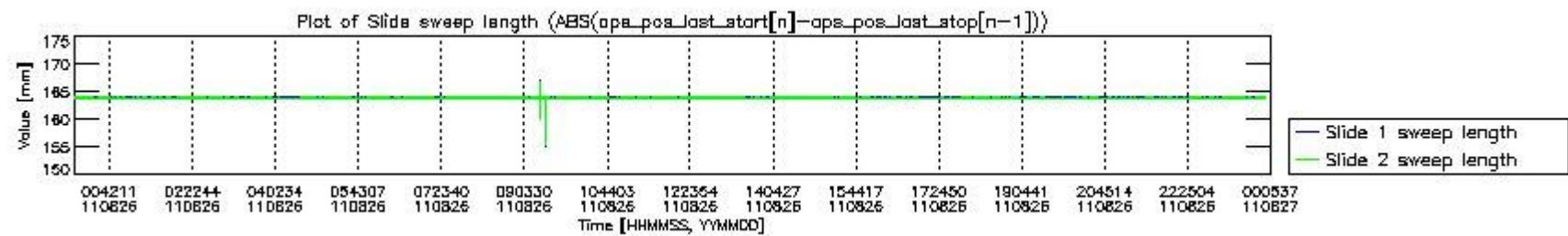
mipas_daily_report_level0_KSPT_L0_4504_N_20110826_4.PNG



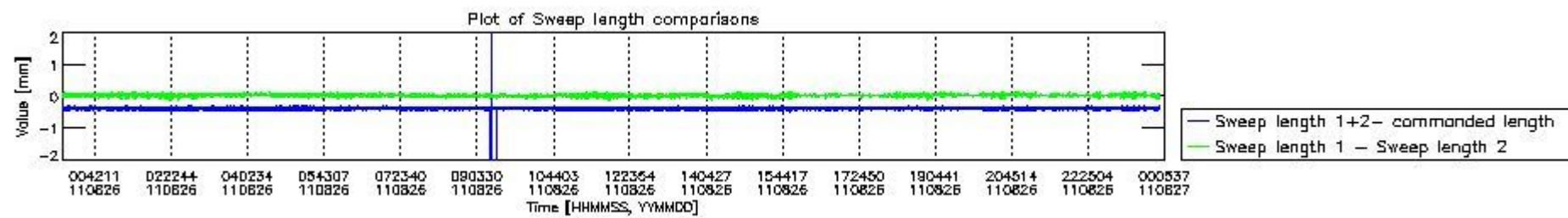
mipas_daily_report_level0_KSPT_L0_4504_N_20110826_5.PNG



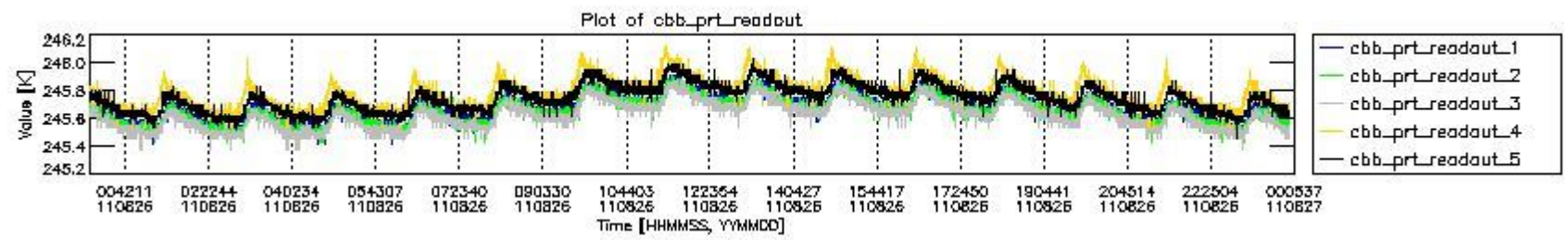
mipas_daily_report_level0_KSPT_L0_4504_N_20110826_6.PNG



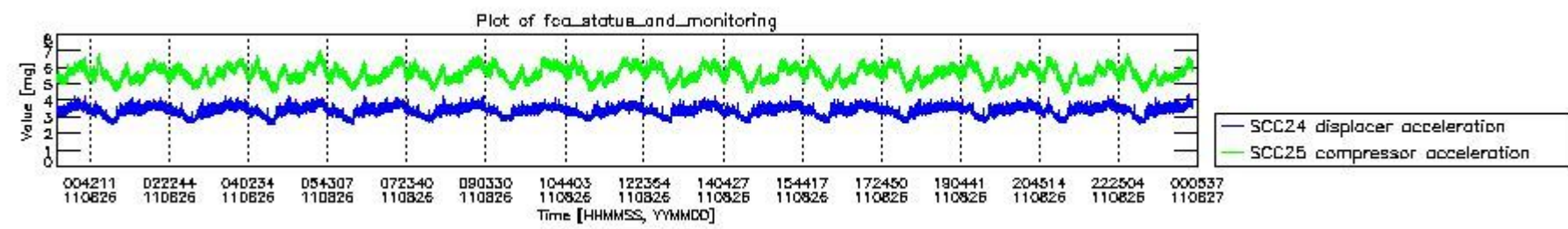
mipas_daily_report_level0_KSPT_L0_4504_N_20110826_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110826_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110826_9.PNG

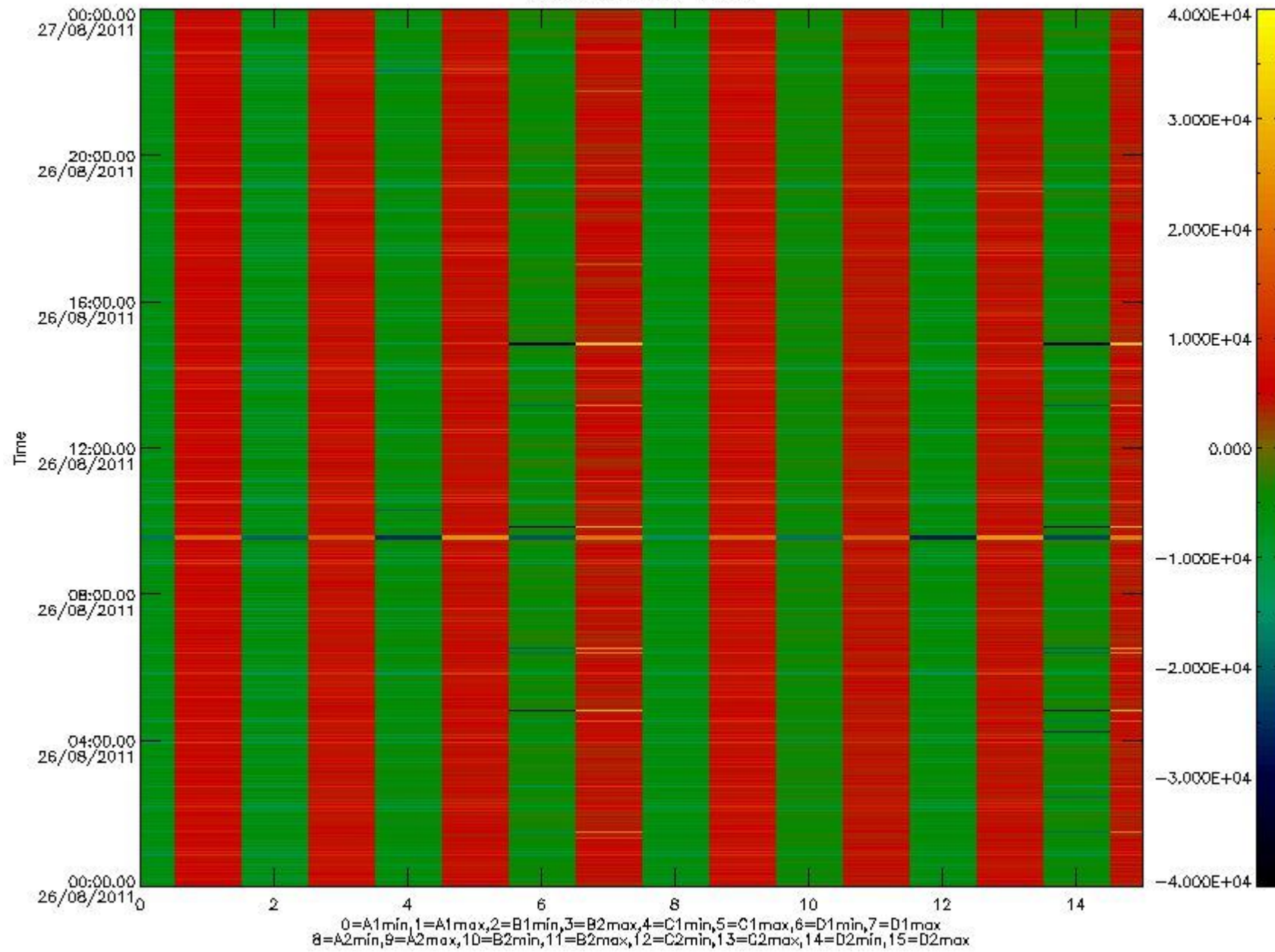


mipas_daily_report_level0_KSPT_L0_4504_N_20110826_10.PNG

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

Channel	Min	Max	ADC
A1	-18195	19258	16bit
B1	-20635	17761	16bit
C1	-25834	25690	16bit
D1	-32768	32767	16bit
A2	-15797	19490	16bit
B2	-18902	18555	16bit
C2	-26885	26474	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_20110826_11.PNG

0.3 ADF monitoring

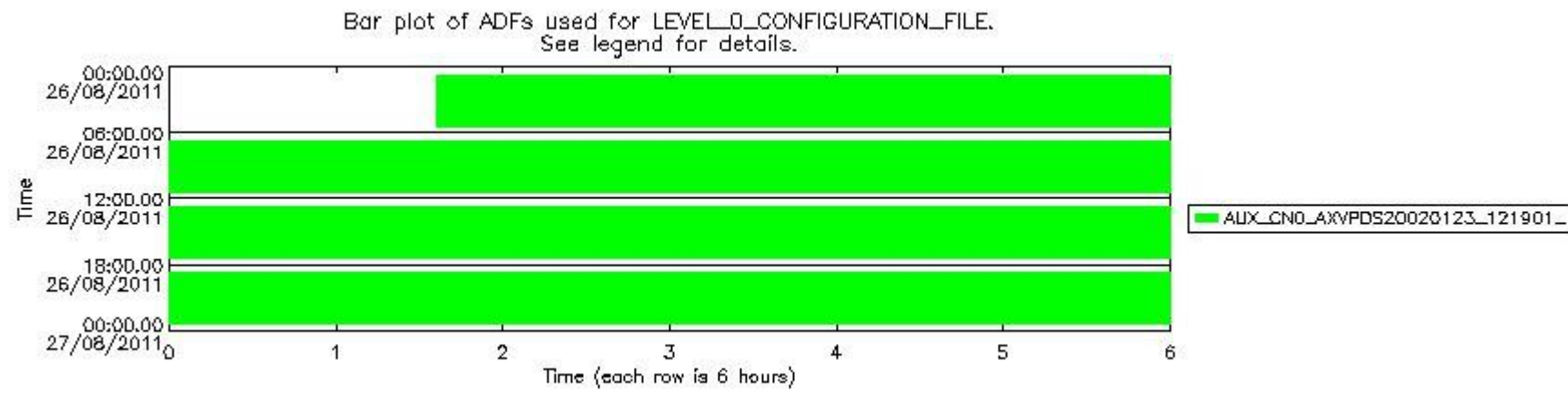
The use of ADFs is shown in two ways:

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.

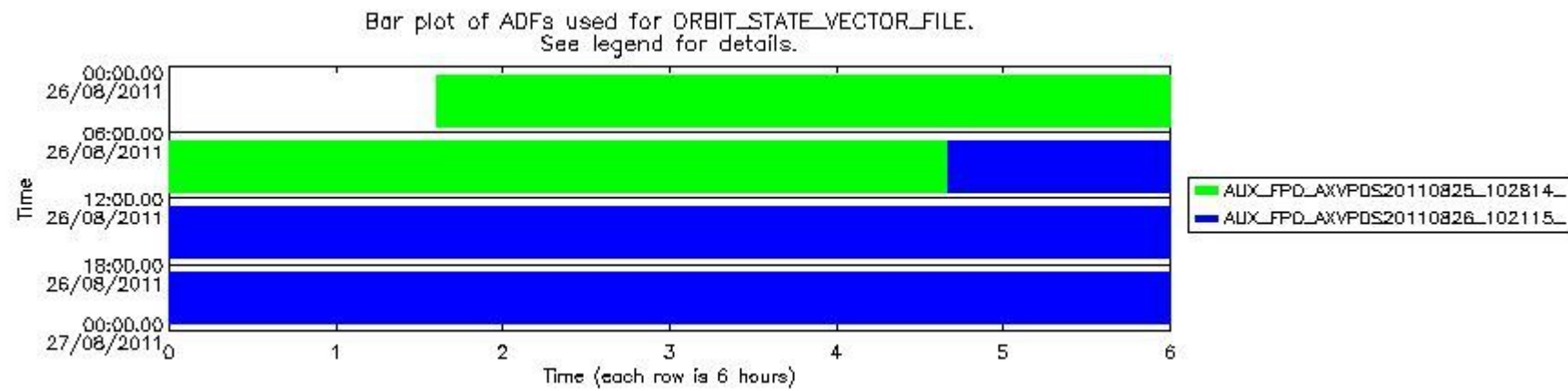
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110825_102814_20110824_194627_20110903_201959
2	AUX_FPO_AXVPDS20110826_102115_20110825_190943_20110904_212328

Number	Product name	#CN0	#FPO
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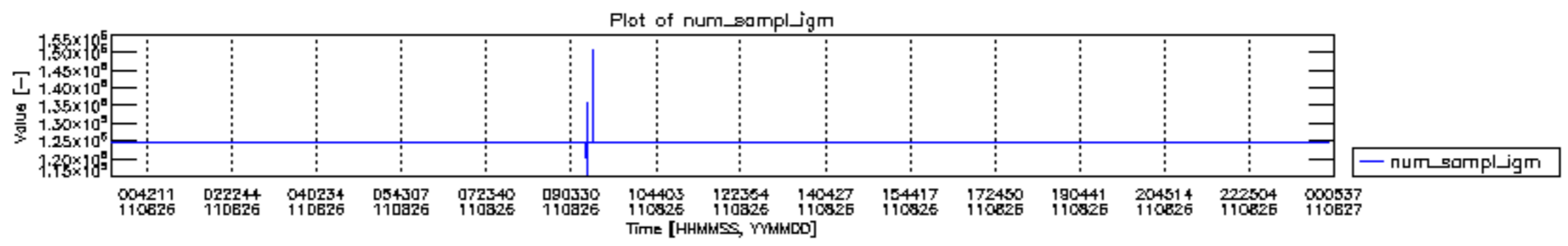
0	MIP_NL__0PNPDE20110826_013626_000044833106_00031_49614_9520.N1	0	1
1	MIP_NL__0PNPDE20110826_025036_000060963106_00032_49615_9521.N1	0	1
2	MIP_NL__0PNPDE20110826_043140_000060813106_00033_49616_9522.N1	0	1
3	MIP_NL__0PNPDK20110826_061228_000040733106_00034_49617_6146.N1	0	1
4	MIP_NL__0PNPDK20110826_071950_000061063106_00035_49618_6147.N1	0	1
5	MIP_NL__0PNPDK20110826_090103_000059793106_00036_49619_6148.N1	0	1
6	MIP_NL__0PNPDK20110826_103952_000059243106_00037_49620_6149.N1	0	2
7	MIP_NL__0PNPDK20110826_121746_000059563106_00038_49621_6150.N1	0	2
8	MIP_NL__0PNPDK20110826_135624_000059523106_00039_49622_6151.N1	0	2
9	MIP_NL__0PNPDK20110826_153339_000059543106_00040_49623_6152.N1	0	2
10	MIP_NL__0PNPDK20110826_171146_000059083106_00041_49624_6153.N1	0	2
11	MIP_NL__0PNPDK20110826_184909_000059453106_00042_49625_6154.N1	0	2
12	MIP_NL__0PNPDE20110826_202625_000045143106_00043_49626_9523.N1	0	2
13	MIP_NL__0PNPDE20110826_214035_000061423106_00043_49626_9524.N1	0	2
14	MIP_NL__0PNPDE20110826_232154_000060253106_00044_49627_9525.N1	0	2

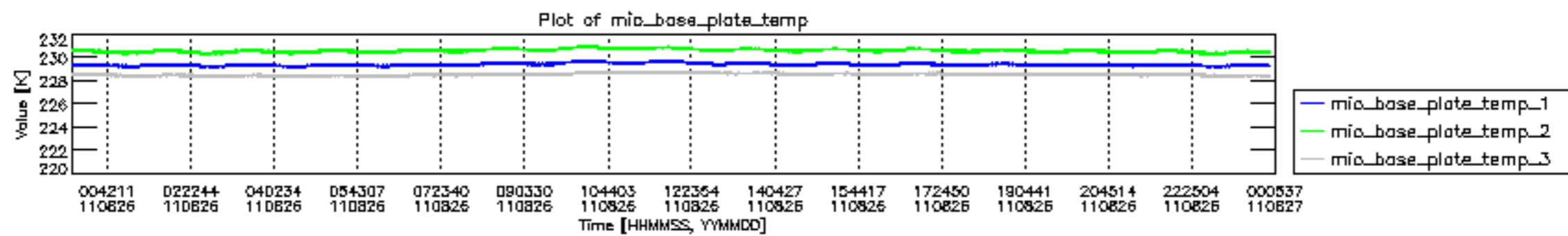


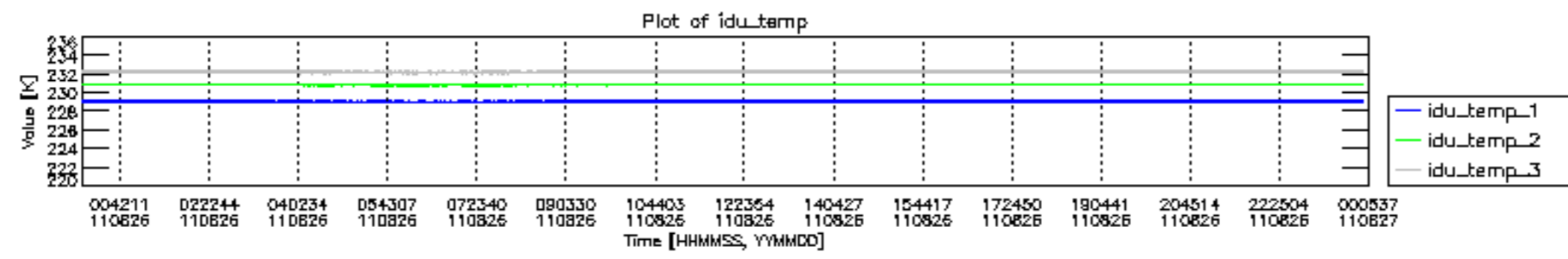
mipas_daily_report_level0_KSPT_L0_4504_N_20110826_12.PNG

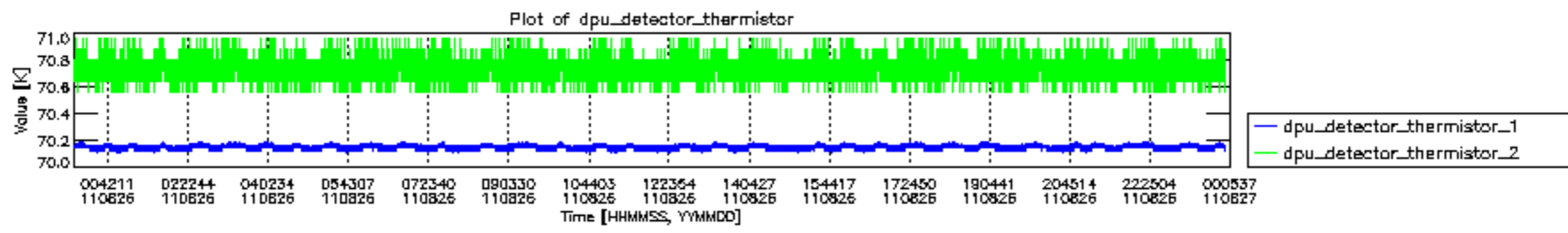


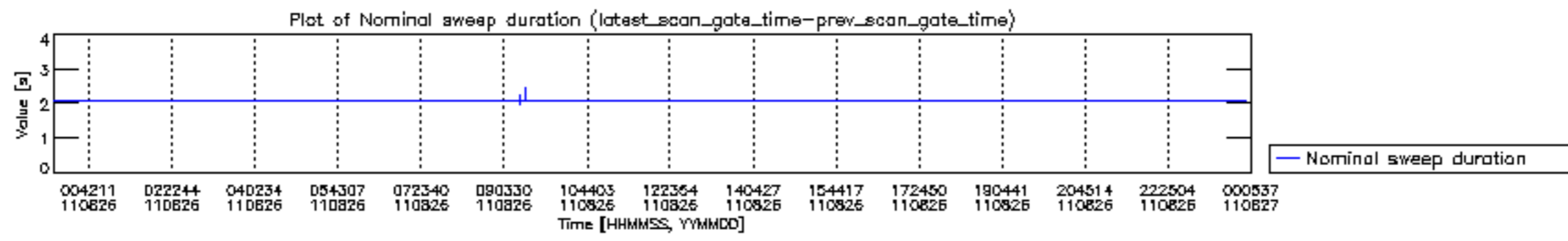
mipas_daily_report_level0_KSPT_L0_4504_N_20110826_13.PNG

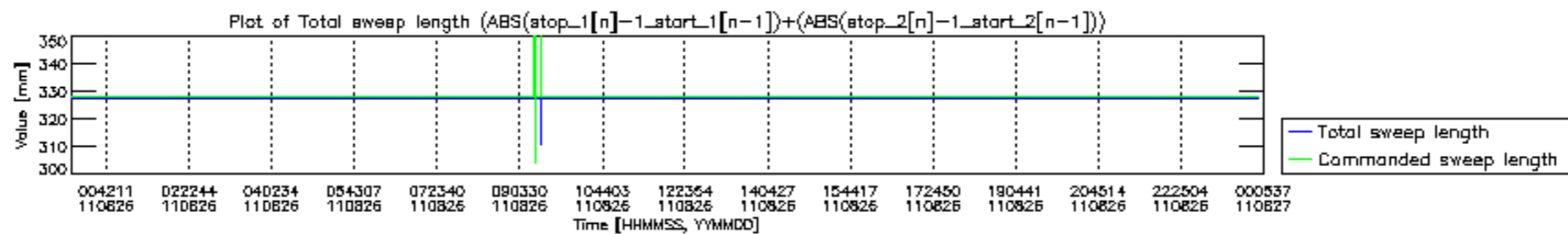


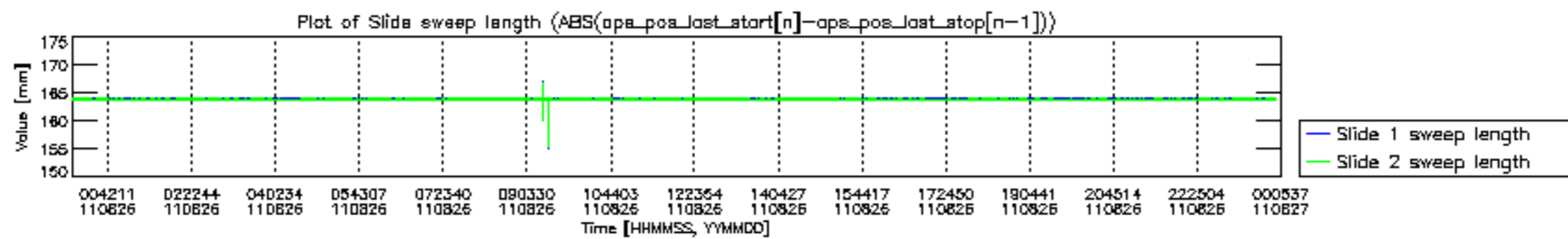


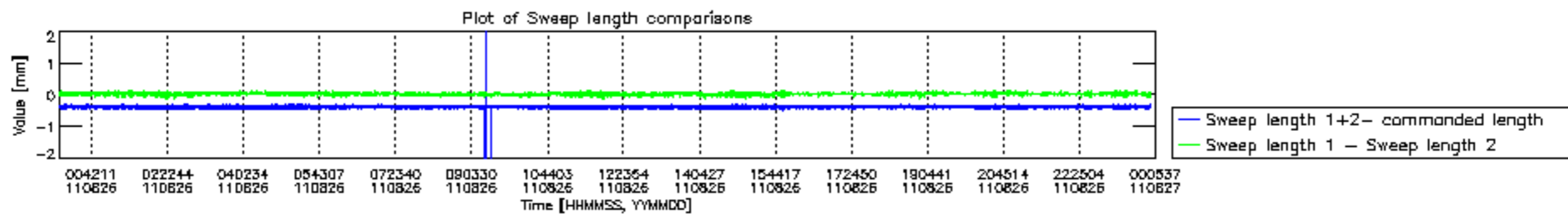


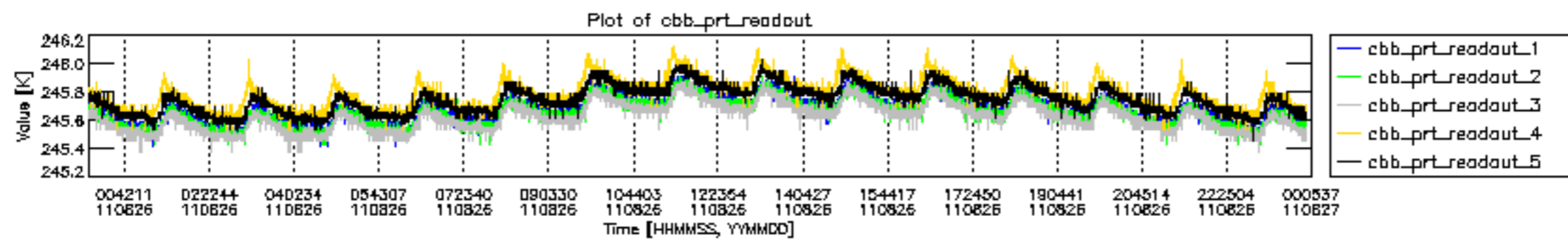


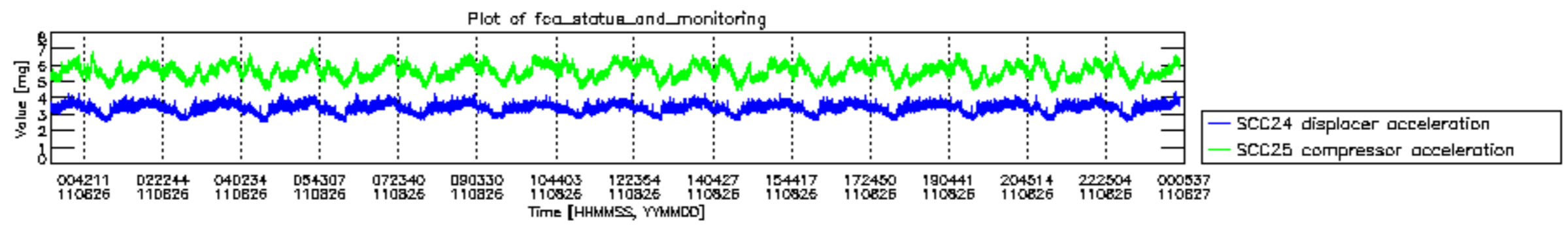












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

