

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	04SEP2011 05:23:19
Data source version	KSPT_L0/4504-N
Processing scope for products	30AUG2011 00:00:00 to 31AUG2011 00:00:00
Start time of first product within scope	30AUG2011 00:52:04
Stop time of last product within scope	31AUG2011 00:17:07
Total number of level 0 products	12
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__0PNPDE20110830_005204_000057533106_00088_49671_9544.N1	30AUG2011 00:52:04	30AUG2011 02:27:57	0	0	0	0	0
1	MIP_NL__0PNPDE20110830_022609_000047003106_00089_49672_9545.N1	30AUG2011 02:26:09	30AUG2011 03:44:29	0	0	0	0	0
2	MIP_NL__0PNPDE20110830_034358_000061293106_00090_49673_9546.N1	30AUG2011 03:43:58	30AUG2011 05:26:07	0	0	0	0	0
3	MIP_NL__0PNPDE20110830_052534_000060353106_00091_49674_9547.N1	30AUG2011 05:25:34	30AUG2011 07:06:09	0	0	0	0	0
4	MIP_NL__0PNPDK20110830_070535_000040323106_00092_49675_6182.N1	30AUG2011 07:05:35	30AUG2011 08:12:47	0	0	0	0	0
5	MIP_NL__0PNPDK20110830_081214_000061323106_00093_49676_6183.N1	30AUG2011 08:12:14	30AUG2011 09:54:25	0	0	0	0	0
6	MIP_NL__0PNPDK20110830_095341_000059703106_00094_49677_6184.N1	30AUG2011 09:53:41	30AUG2011 11:33:12	0	0	0	0	0
7	MIP_NL__0PNPDK20110830_113228_000059893106_00095_49678_6185.N1	30AUG2011 11:32:28	30AUG2011 13:12:17	0	0	0	0	0
8	MIP_NL__0PNPDK20110830_131144_000059543106_00096_49679_6186.N1	30AUG2011 13:11:44	30AUG2011 14:50:58	0	0	0	0	0
9	MIP_NL__0PNPDE20110830_194216_000041683106_00100_49683_9548.N1	30AUG2011 19:42:16	30AUG2011 20:51:44	0	0	0	0	0
10	MIP_NL__0PNPDE20110830_205021_000063093106_00100_49683_9549.N1	30AUG2011 20:50:21	30AUG2011 22:35:29	0	0	0	0	0
11	MIP_NL__0PNPDE20110830_223427_000061603106_00101_49684_9550.N1	30AUG2011 22:34:27	31AUG2011 00:17:07	0	0	0	0	0

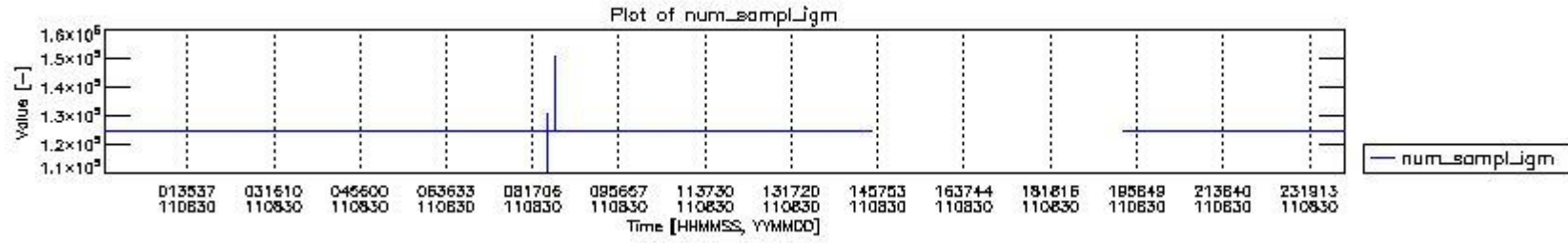
0.2 Instrument Operational Performance Parameters

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.

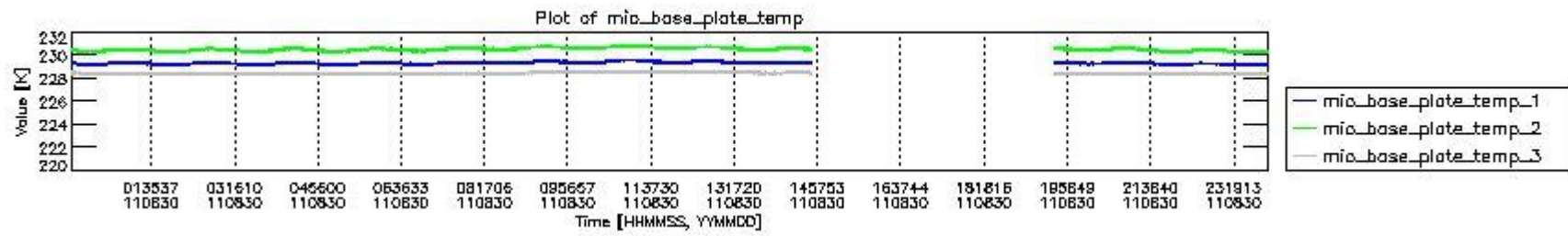
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
110432	1	0.0030152269
116196	1	0.0030152269
124800	30805	92.884065
124803	2354	7.0978441
127679	1	0.0030152269
130564	1	0.0030152269

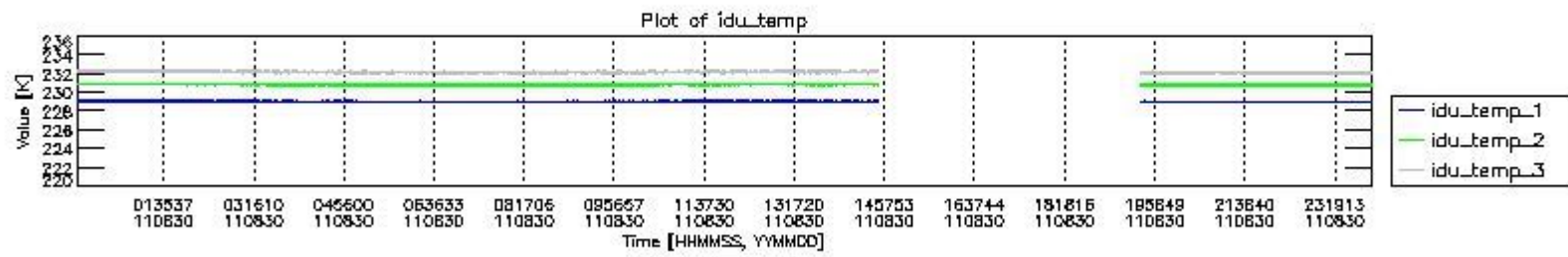
147811	1	0.0030152269
150690	1	0.0030152269



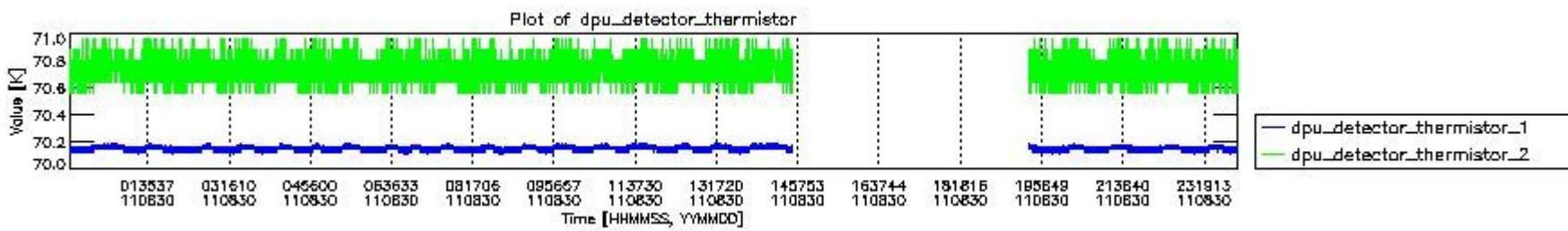
mipas_daily_report_level0_KSPT_L0_4504_N_20110830_0.PNG



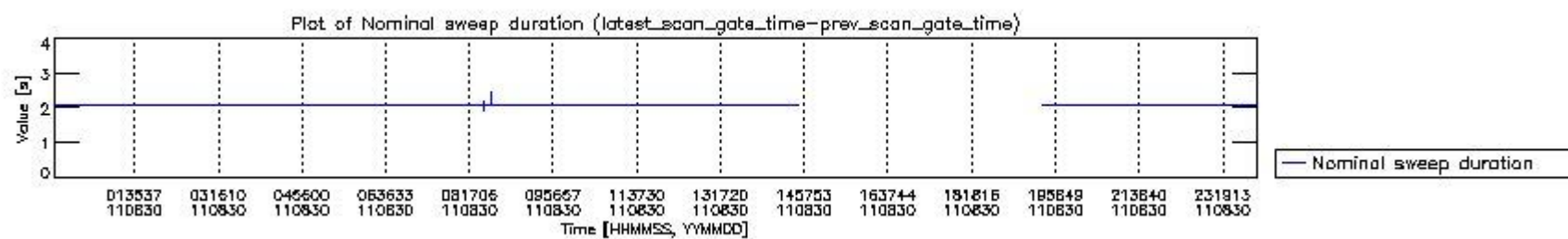
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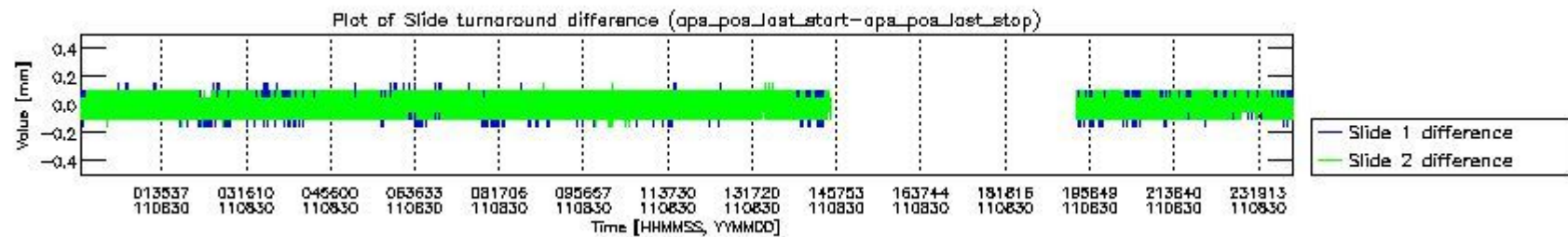
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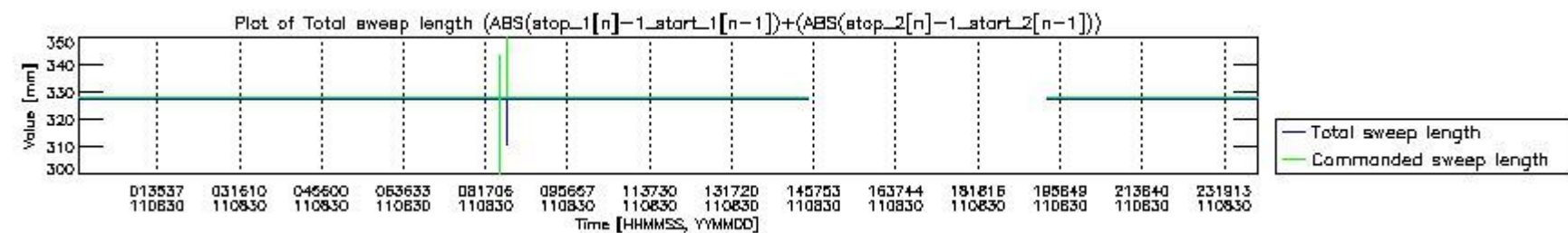
mipas_daily_report_level0_KSPT_L0_4504_N_20110830_3.PNG



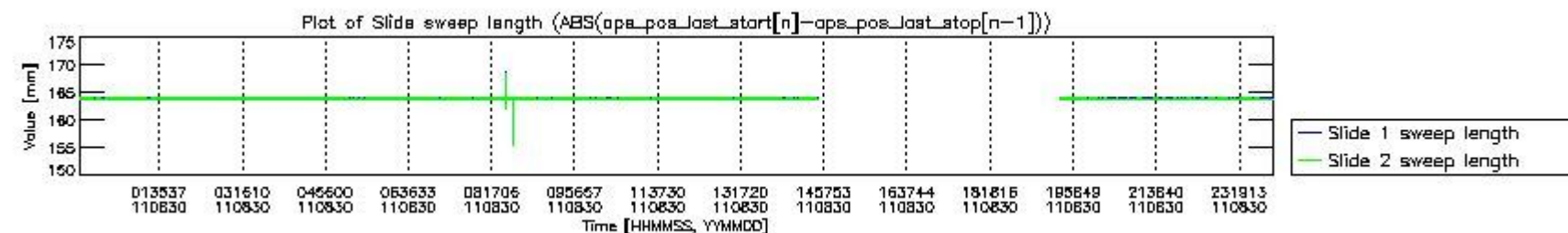
mipas_daily_report_level0_KSPT_L0_4504_N_20110830_4.PNG



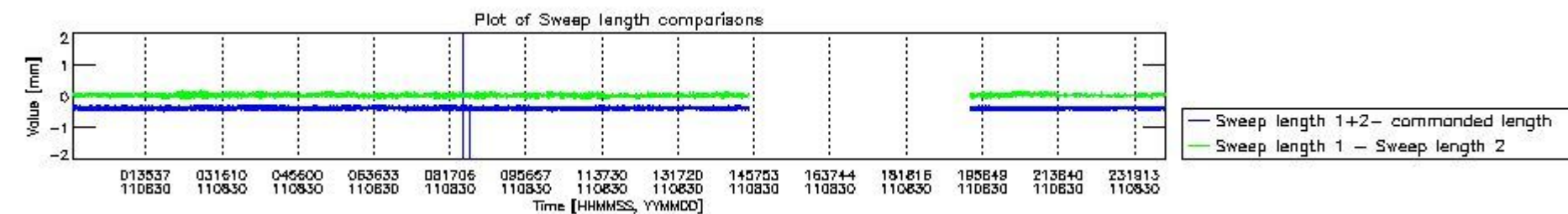
mipas_daily_report_level0_KSPT_L0_4504_N_20110830_5.PNG



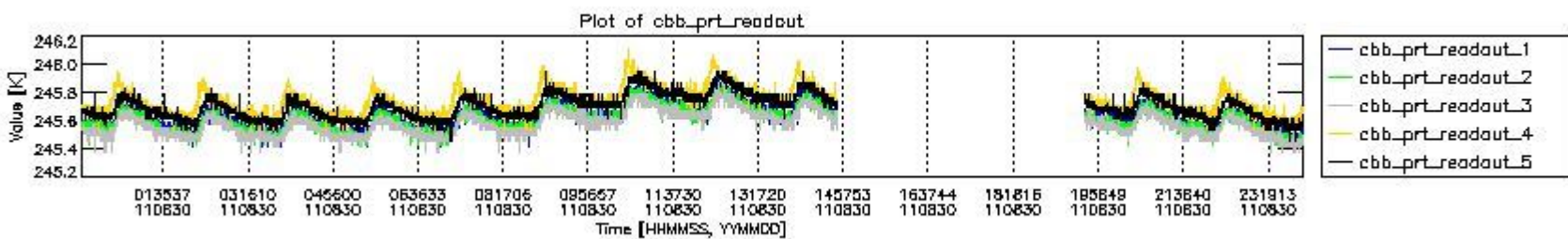
mipas_daily_report_level0_KSPT_L0_4504_N_20110830_6.PNG



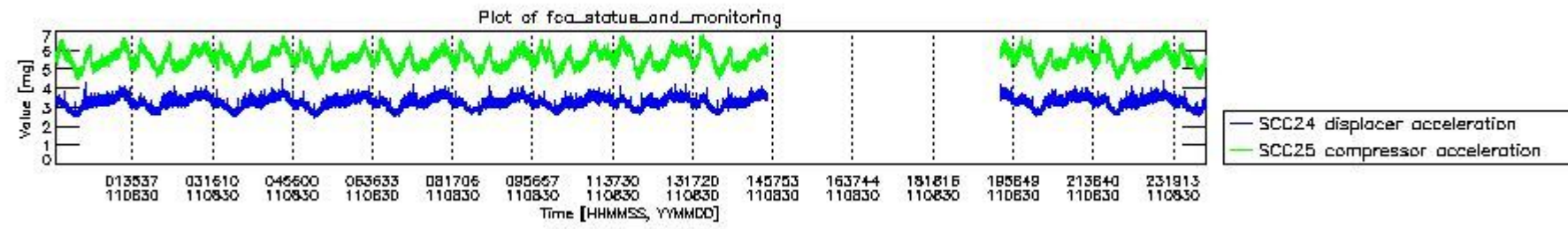
mipas_daily_report_level0_KSPT_L0_4504_N_20110830_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110830_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110830_9.PNG

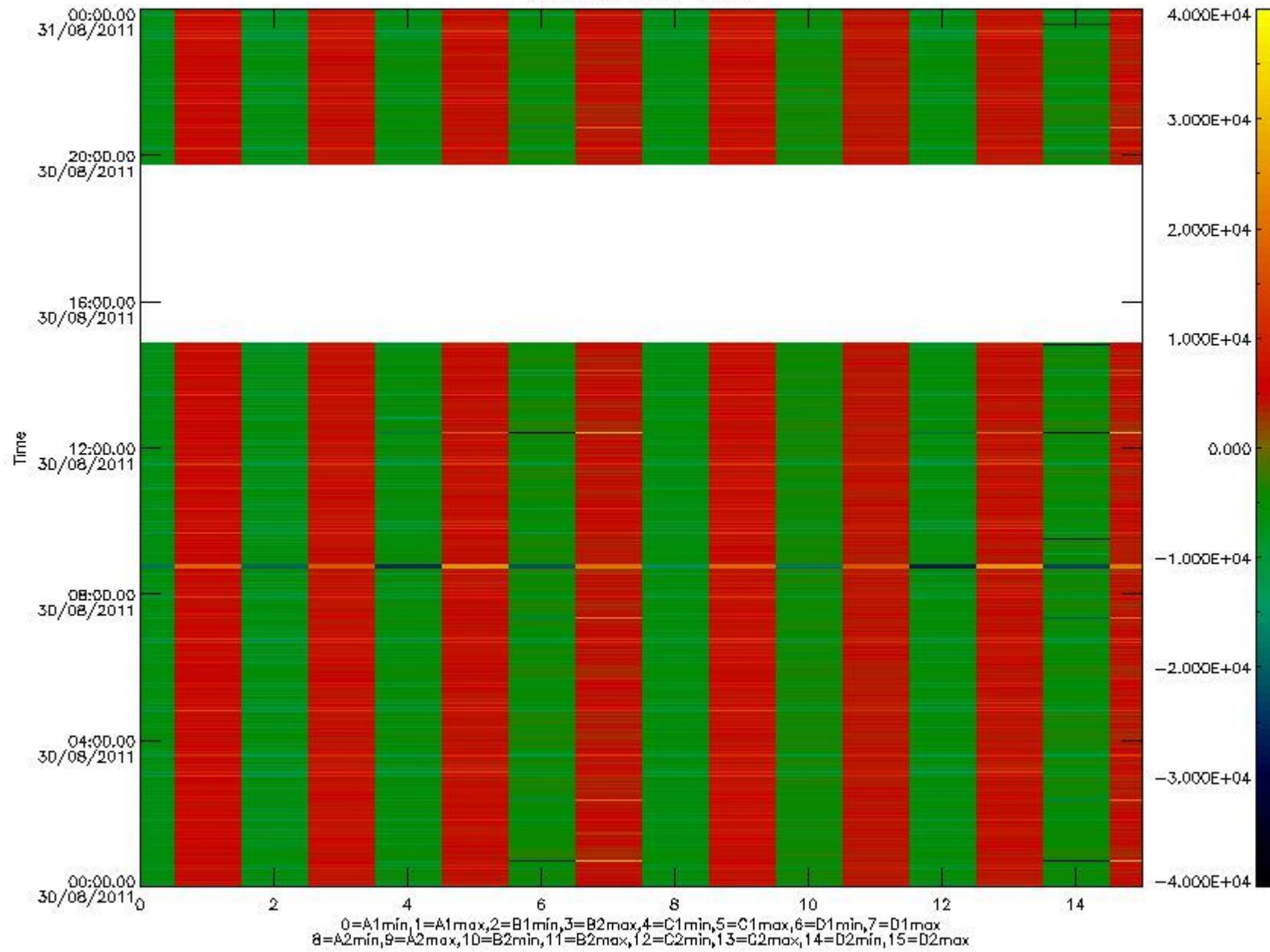


mipas_daily_report_level0_KSPT_L0_4504_N_20110830_10.PNG

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

Channel	Min	Max	ADC
A1	-18306	19209	16bit
B1	-20584	17730	16bit
C1	-25737	25647	16bit
D1	-32768	32767	16bit
A2	-15781	19449	16bit
B2	-18830	18509	16bit
C2	-26802	26402	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_20110830_11.PNG

0.3 ADF monitoring

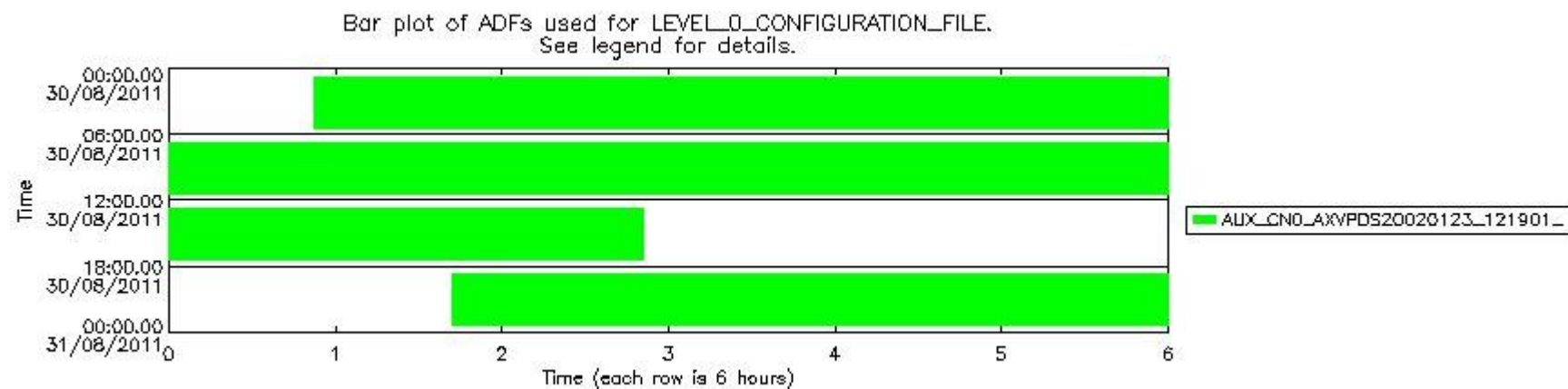
The use of ADFs is shown in two ways:

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.

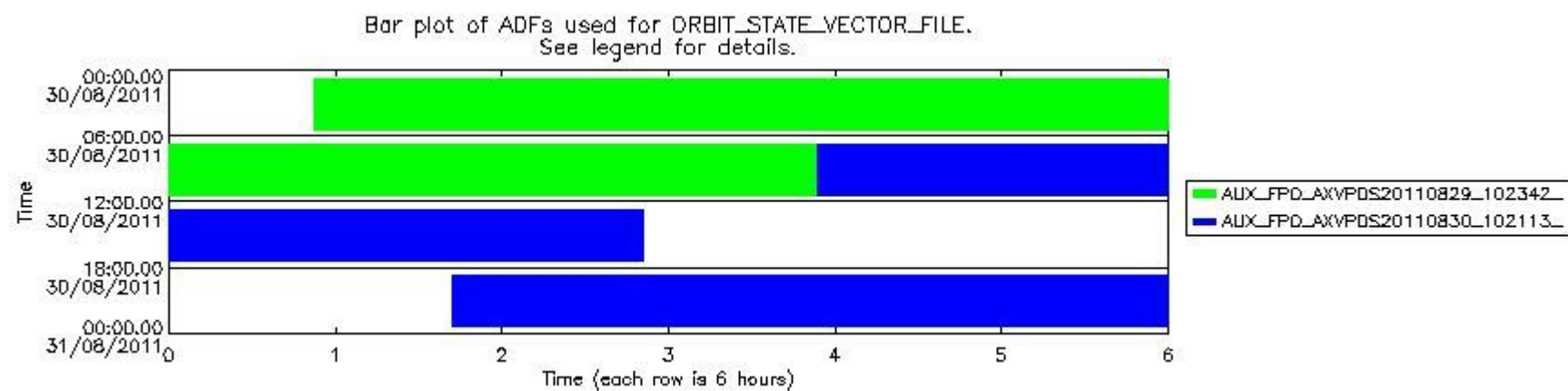
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110829_102342_20110828_185943_20110907_211328
2	AUX_FPO_AXVPDS20110830_102113_20110829_182259_20110908_203644

Number	Product name	#CN0	#FPO
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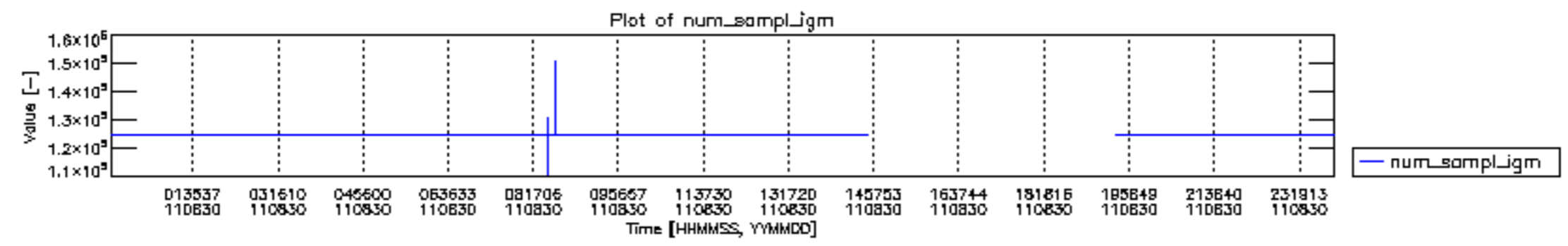
0	MIP_NL__0PNPDE20110830_005204_000057533106_00088_49671_9544.N1	0	1
1	MIP_NL__0PNPDE20110830_022609_000047003106_00089_49672_9545.N1	0	1
2	MIP_NL__0PNPDE20110830_034358_000061293106_00090_49673_9546.N1	0	1
3	MIP_NL__0PNPDE20110830_052534_000060353106_00091_49674_9547.N1	0	1
4	MIP_NL__0PNPDK20110830_070535_000040323106_00092_49675_6182.N1	0	1
5	MIP_NL__0PNPDK20110830_081214_000061323106_00093_49676_6183.N1	0	1
6	MIP_NL__0PNPDK20110830_095341_000059703106_00094_49677_6184.N1	0	2
7	MIP_NL__0PNPDK20110830_113228_000059893106_00095_49678_6185.N1	0	2
8	MIP_NL__0PNPDK20110830_131144_000059543106_00096_49679_6186.N1	0	2
9	MIP_NL__0PNPDE20110830_194216_000041683106_00100_49683_9548.N1	0	2
10	MIP_NL__0PNPDE20110830_205021_000063093106_00100_49683_9549.N1	0	2
11	MIP_NL__0PNPDE20110830_223427_000061603106_00101_49684_9550.N1	0	2

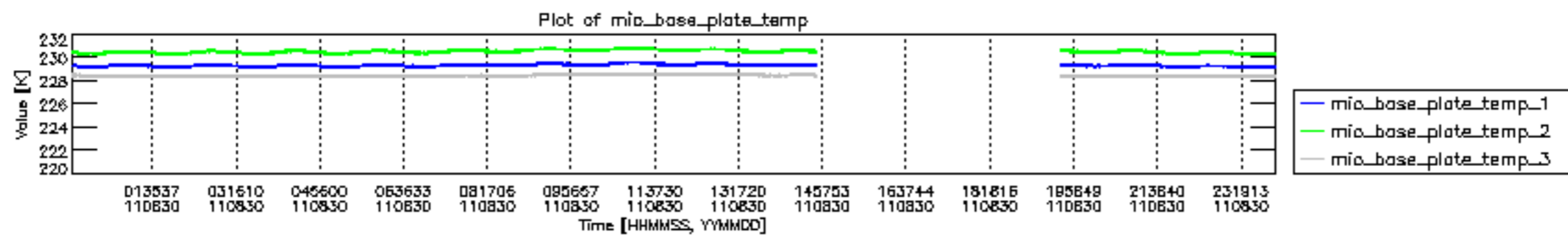


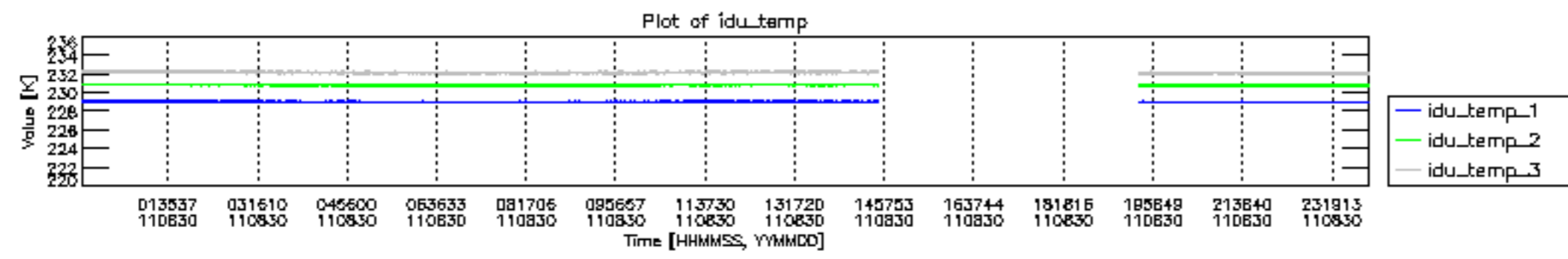
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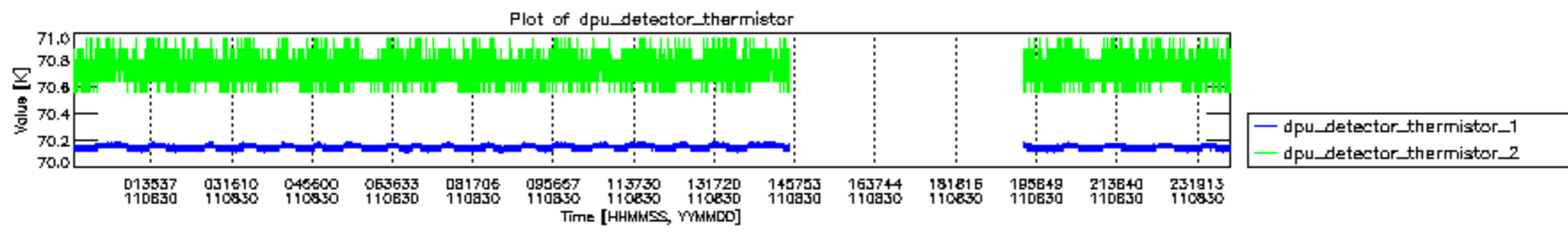


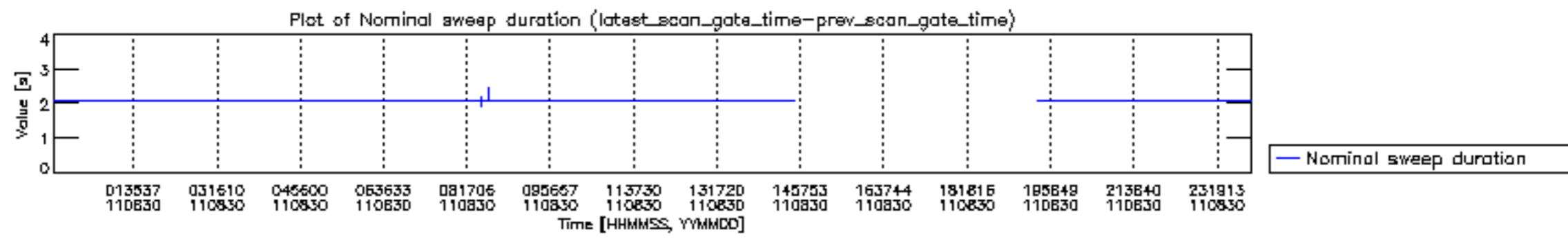
mipas_daily_report_level0_KSPT_L0_4504_N_20110830_13.PNG

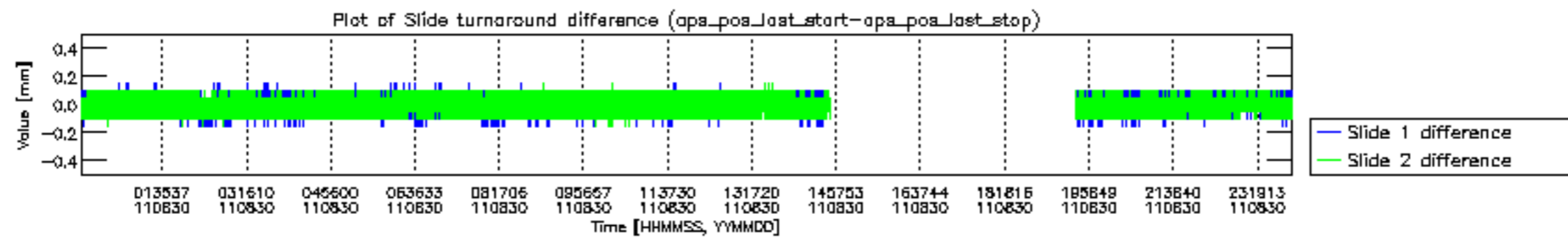


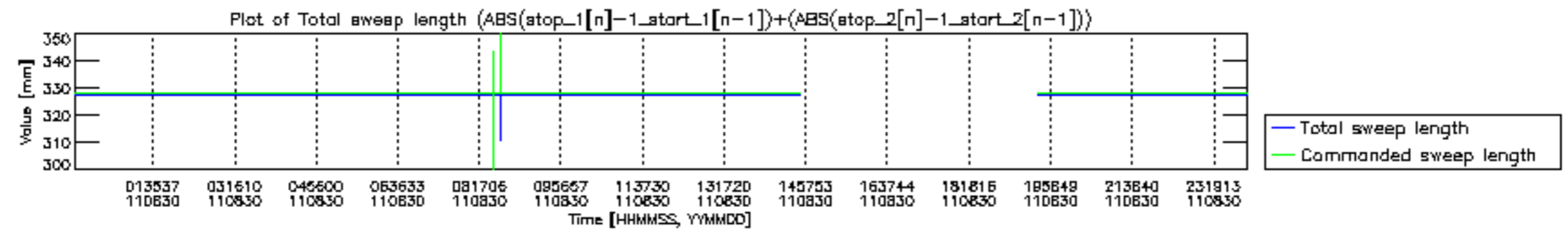


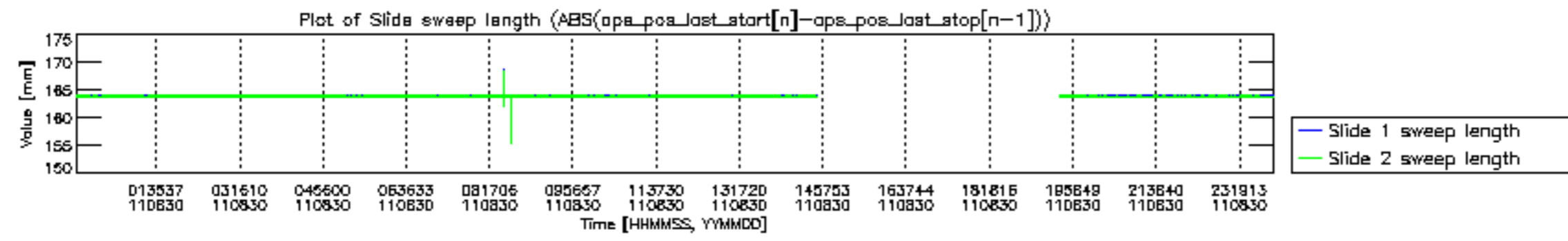


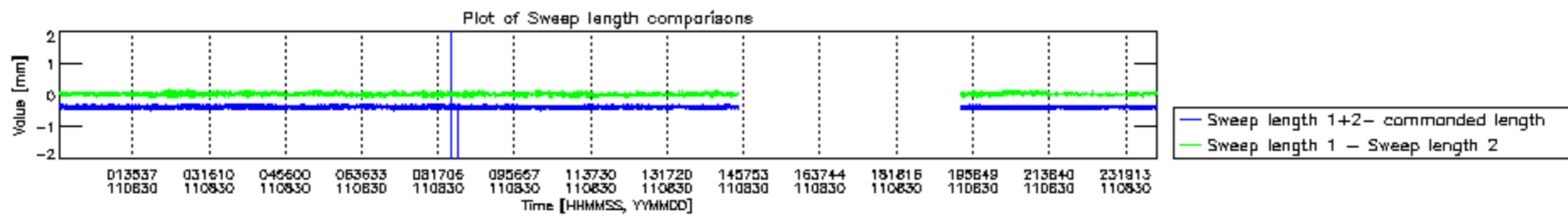


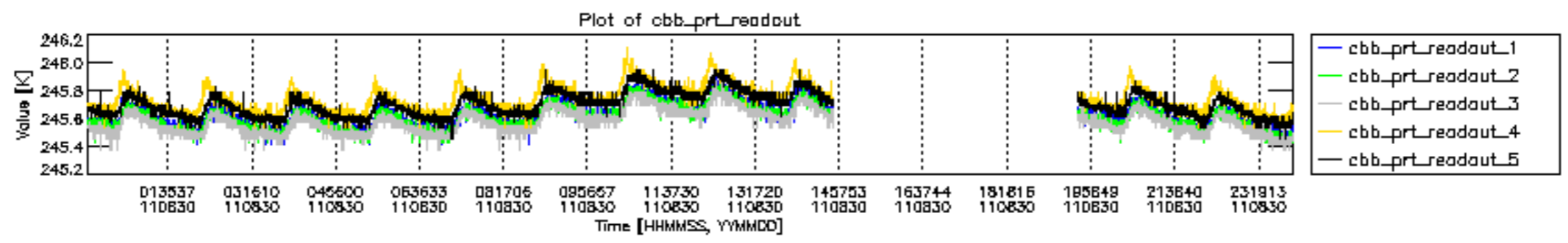


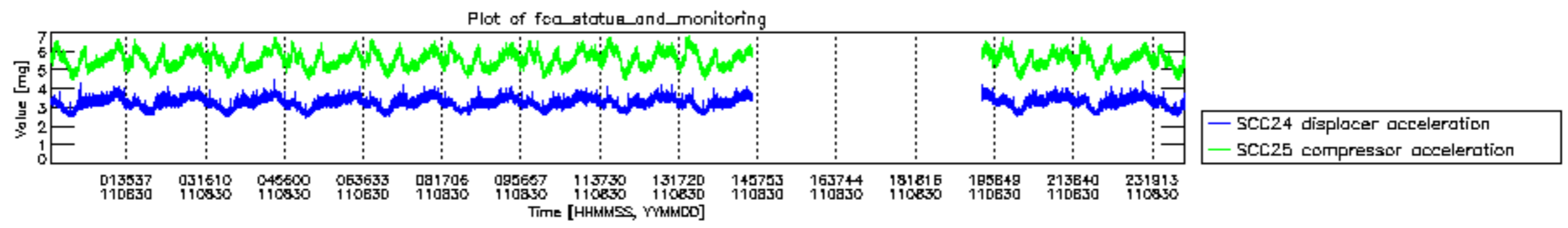




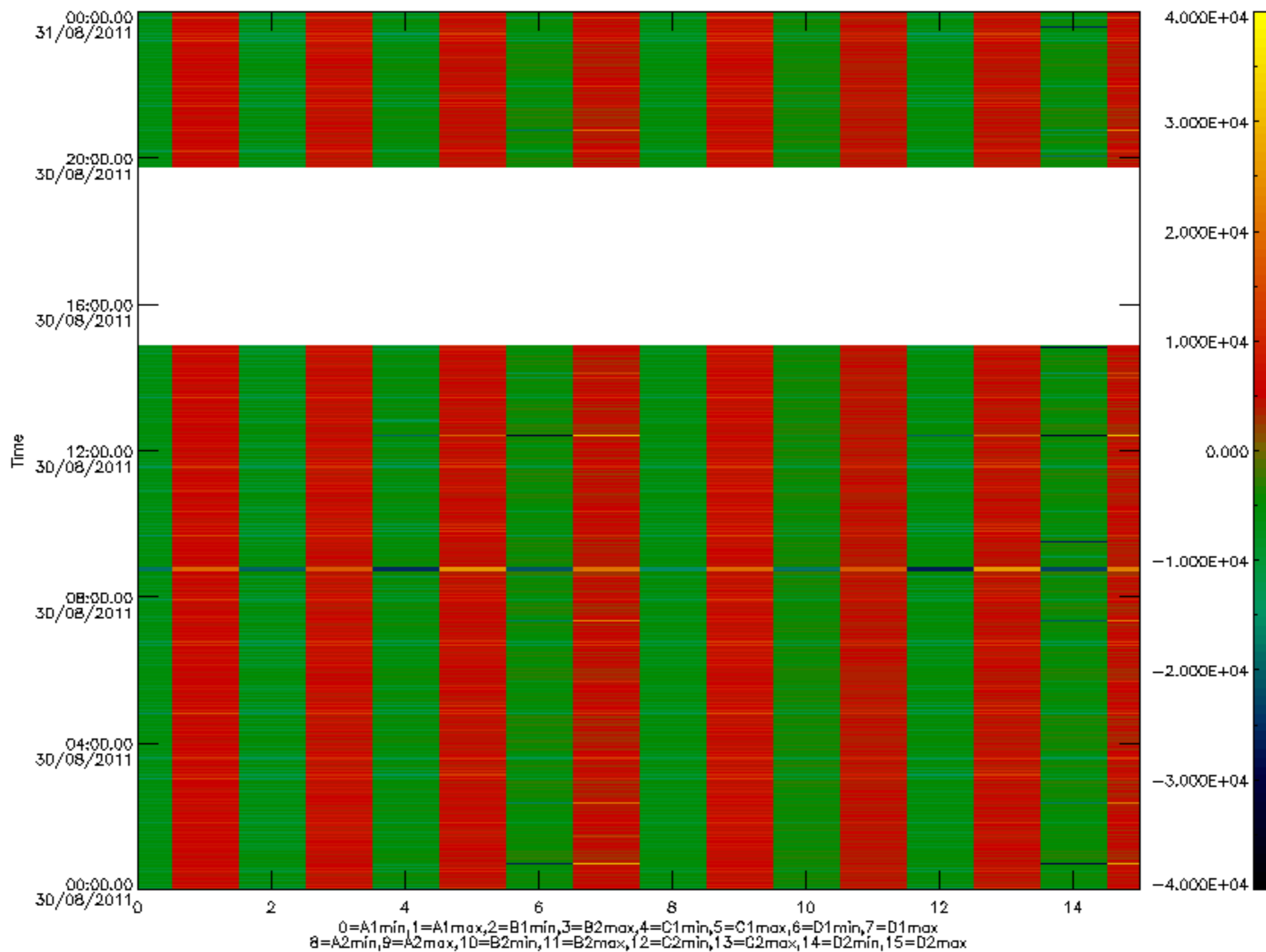


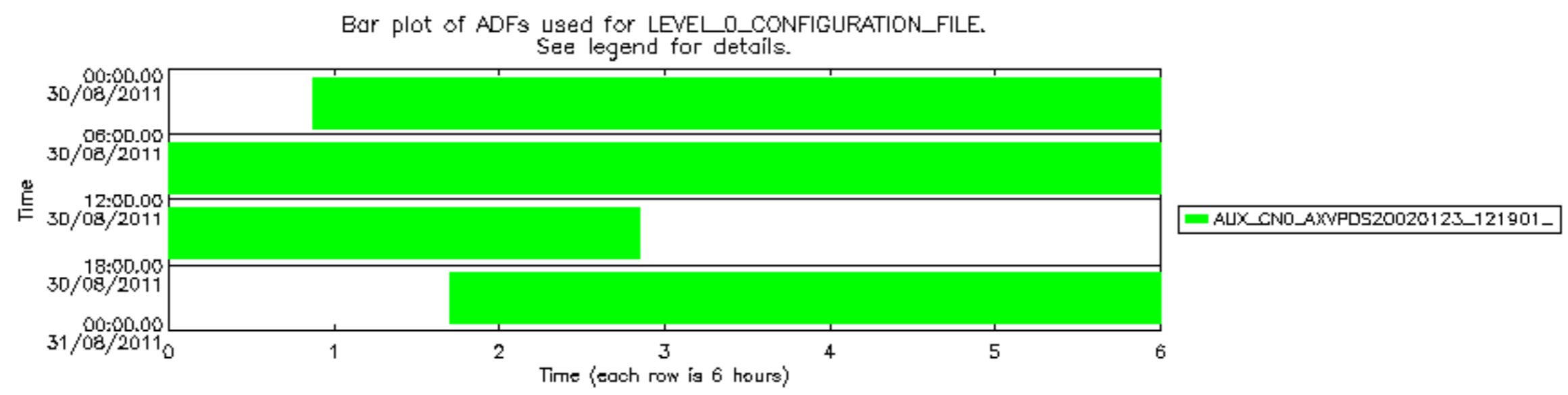






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

