

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	v1.5 2008-02-08
Time of report generation	18OCT2010 05:20:06
Data source version	<any version>
Processing scope for products	13OCT2010 00:00:00 to 14OCT2010 00:00:00
Start time of first product within scope	13OCT2010 00:56:51
Stop time of last product within scope	13OCT2010 08:00:23
Total number of level 0 products	6
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.

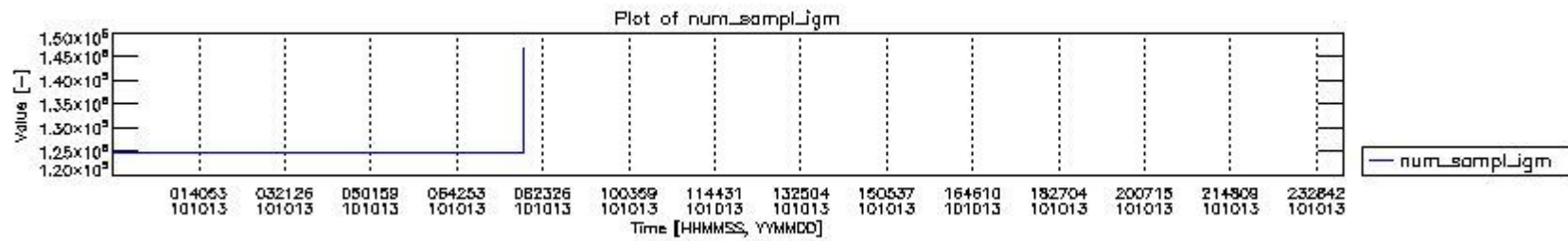
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20101013_005651_000096142093_00417_45060_1730.N1	13OCT2010 00:56:51	13OCT2010 03:37:05	0	0	0	0	0
1	MIP_NL__0PNPDE20101013_012920_000076652093_00418_45061_1733.N1	13OCT2010 01:29:20	13OCT2010 03:37:05	0	0	0	0	0
2	MIP_NL__0PNPDE20101013_033632_000069902093_00419_45062_1731.N1	13OCT2010 03:36:32	13OCT2010 05:33:02	0	0	0	0	0
3	MIP_NL__0PNPDE20101013_053228_000059522093_00420_45063_1732.N1	13OCT2010 05:32:28	13OCT2010 07:11:40	0	0	0	0	0
4	MIP_NL__0PNPDE20101013_053425_000058352093_00420_45063_5342.N1	13OCT2010 05:34:25	13OCT2010 07:11:40	0	0	0	0	0
5	MIP_NL__0PNPDK20101013_071056_000029672093_00421_45064_3099.N1	13OCT2010 07:10:56	13OCT2010 08:00:23	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

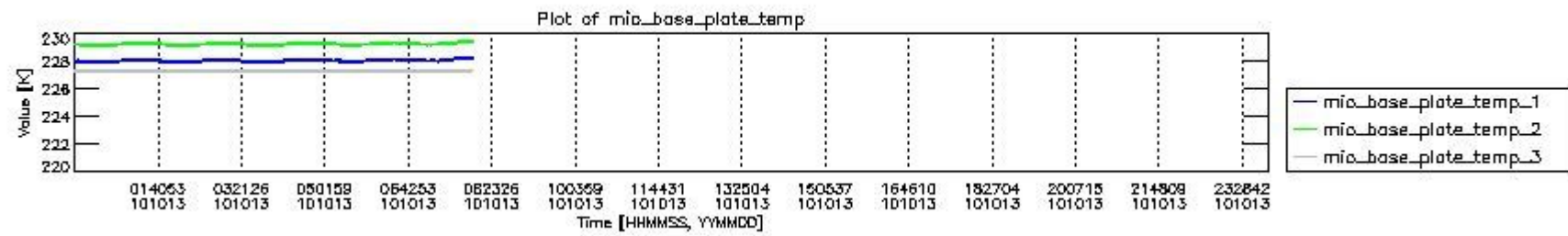
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently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

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

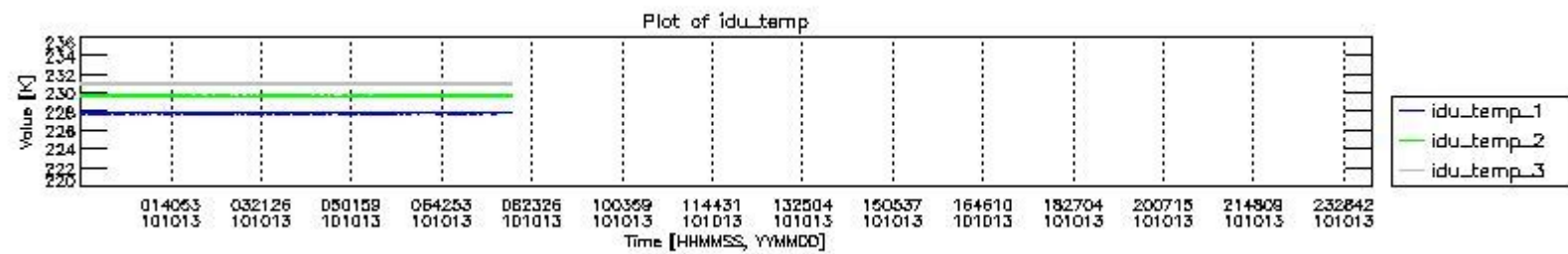
Number of igm samples	Count [#]	Count [%]
124800	12852	92.814328
124803	992	7.1640066
125821	1	0.0072217809
145953	1	0.0072217809
146974	1	0.0072217809



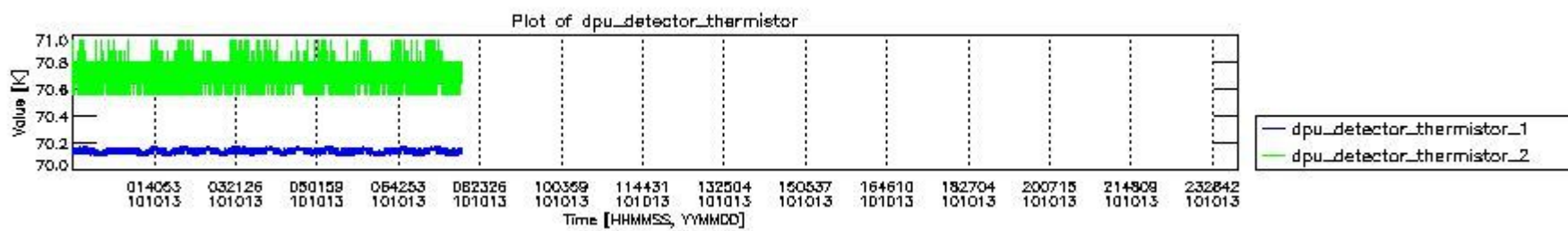
mipas_daily_report_level0_any_version_20101013_0.PNG



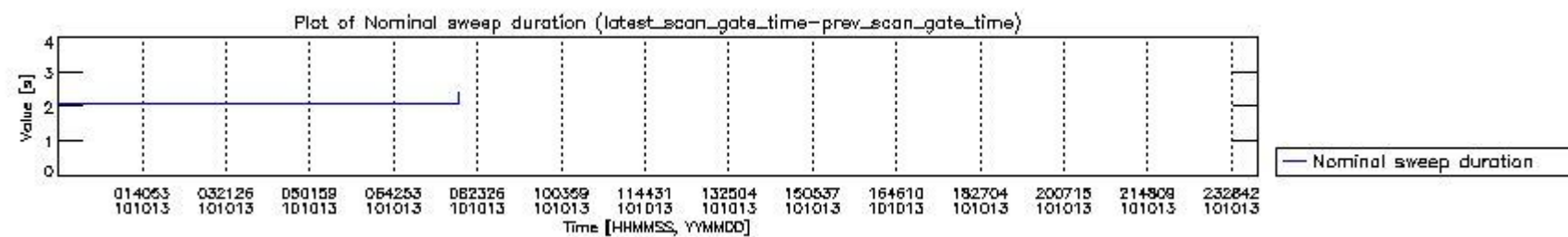
mipas_daily_report_level0_any_version_20101013_1.PNG



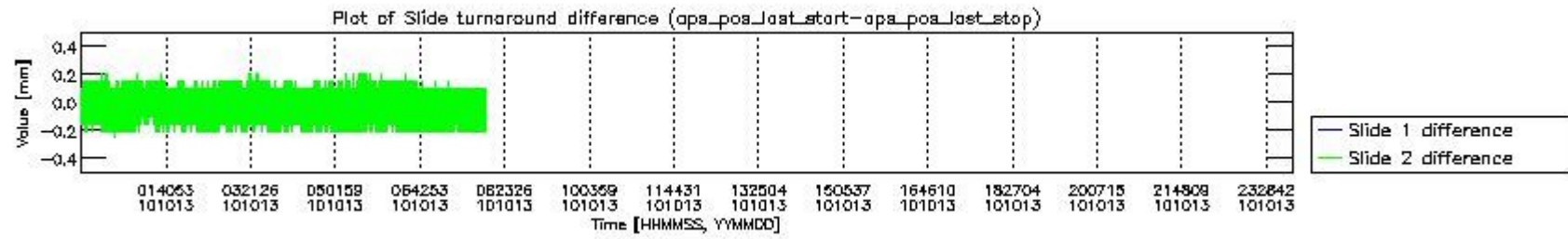
mipas_daily_report_level0_any_version_20101013_2.PNG



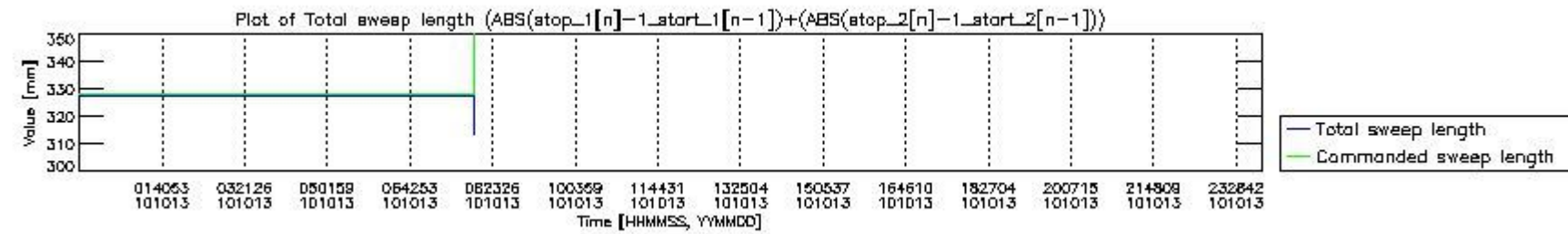
mipas_daily_report_level0_any_version_20101013_3.PNG



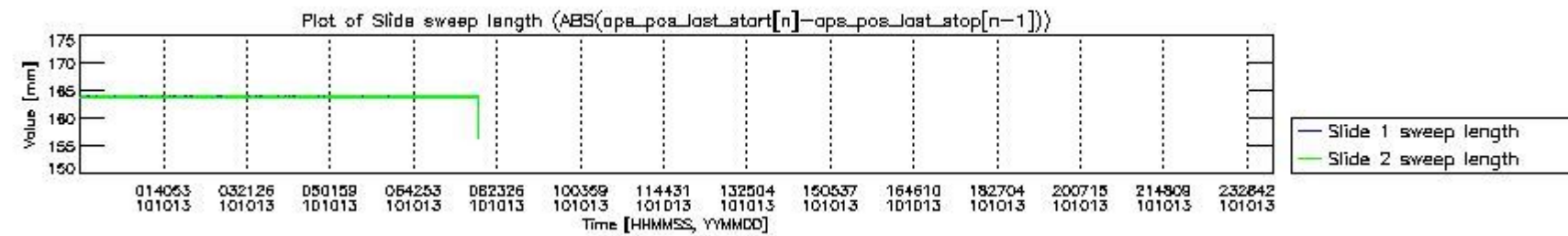
mipas_daily_report_level0_any_version_20101013_4.PNG



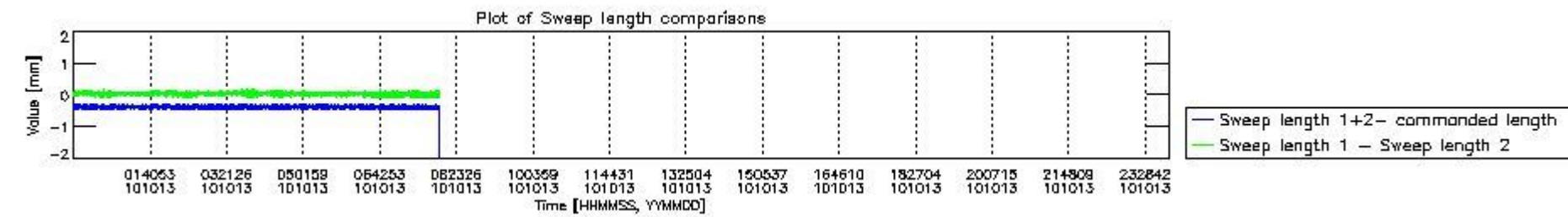
mipas_daily_report_level0_any_version_20101013_5.PNG



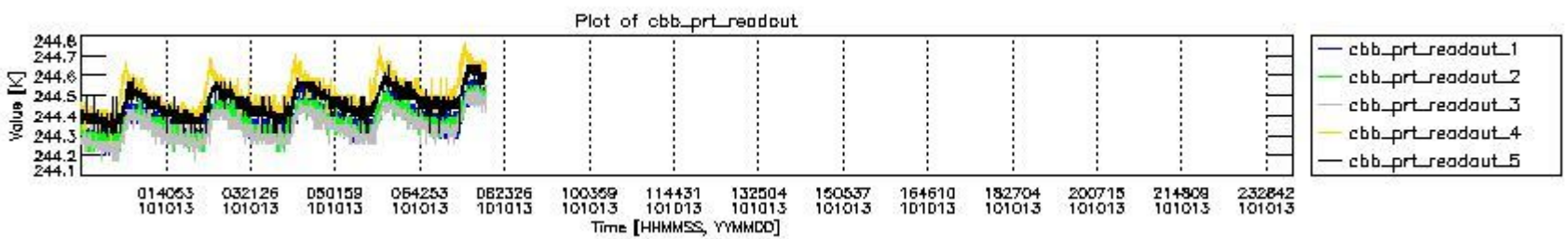
mipas_daily_report_level0_any_version_20101013_6.PNG



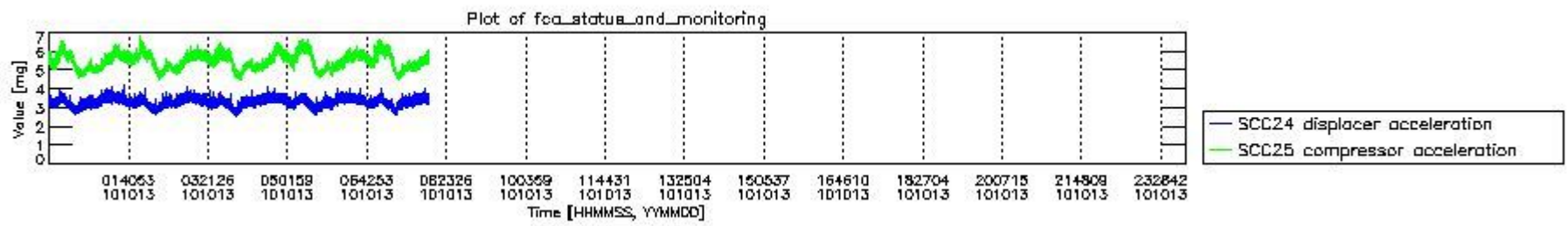
mipas_daily_report_level0_any_version_20101013_7.PNG



mipas_daily_report_level0_any_version_20101013_8.PNG



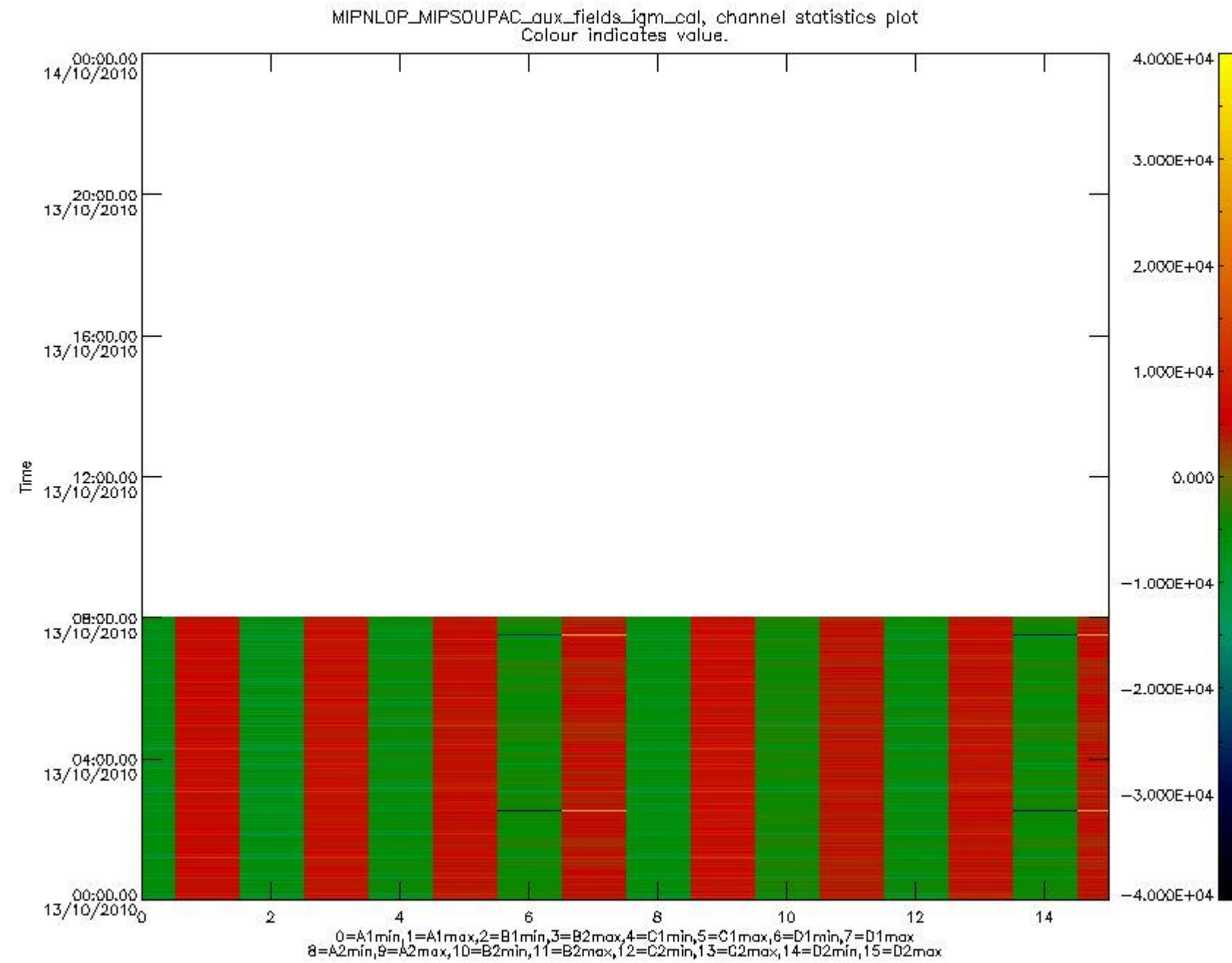
mipas_daily_report_level0_any_version_20101013_9.PNG



mipas_daily_report_level0_any_version_20101013_10.PNG

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

Channel	Min	Max	ADC
A1	-16244	17484	16bit
B1	-16955	14847	16bit
C1	-19997	18645	16bit
D1	-32768	32767	16bit
A2	-14079	17277	16bit
B2	-14508	14275	16bit
C2	-19172	22401	16bit
D2	-32768	32767	16bit



mipas_daily_report_level0_any_version_20101013_11.PNG

0.3 ADF monitoring

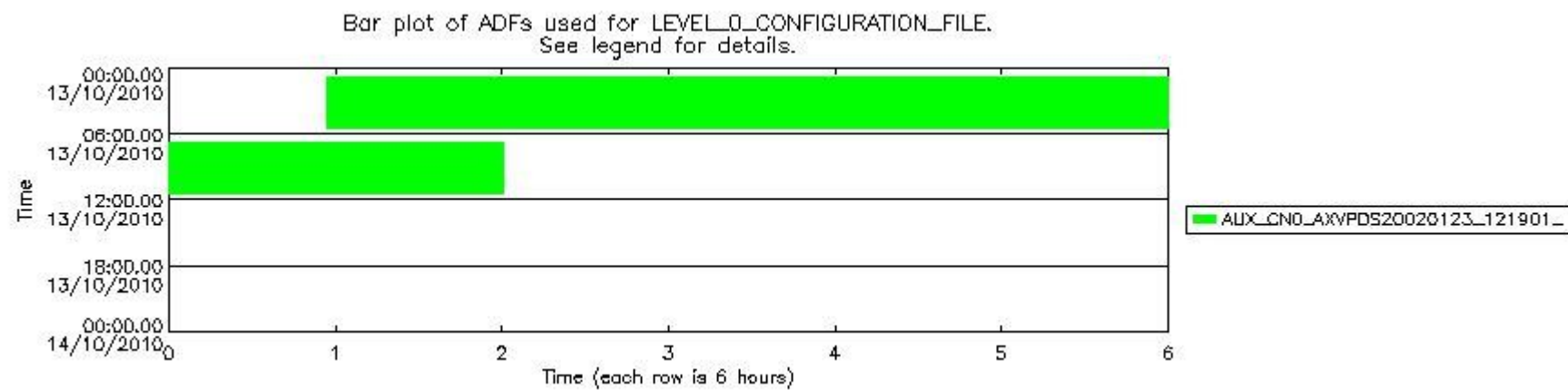
The use of ADFs is shown in two ways:

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.

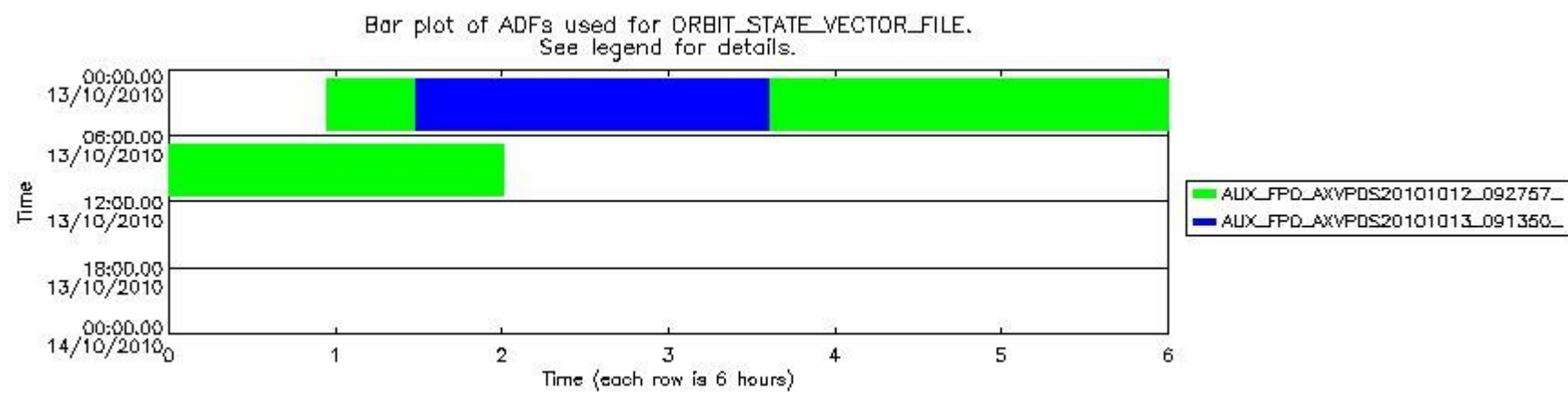
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101012_092757_20101011_185812_20101021_202422
2	AUX_FPO_AXVPDS20101013_091350_20101012_182634_20101022_213321

Number	Product name	#CN0	#FPO
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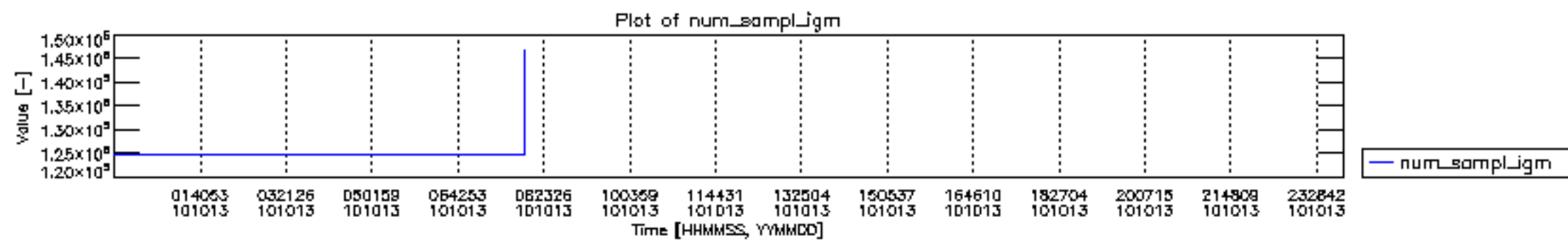
0	MIP_NL__0PNPDE20101013_005651_000096142093_00417_45060_1730.N1	0	1
1	MIP_NL__0PNPDE20101013_012920_000076652093_00418_45061_1733.N1	0	2
2	MIP_NL__0PNPDE20101013_033632_000069902093_00419_45062_1731.N1	0	1
3	MIP_NL__0PNPDE20101013_053228_000059522093_00420_45063_1732.N1	0	1
4	MIP_NL__0PNPDE20101013_053425_000058352093_00420_45063_5342.N1	0	1
5	MIP_NL__0PNPDK20101013_071056_000029672093_00421_45064_3099.N1	0	1

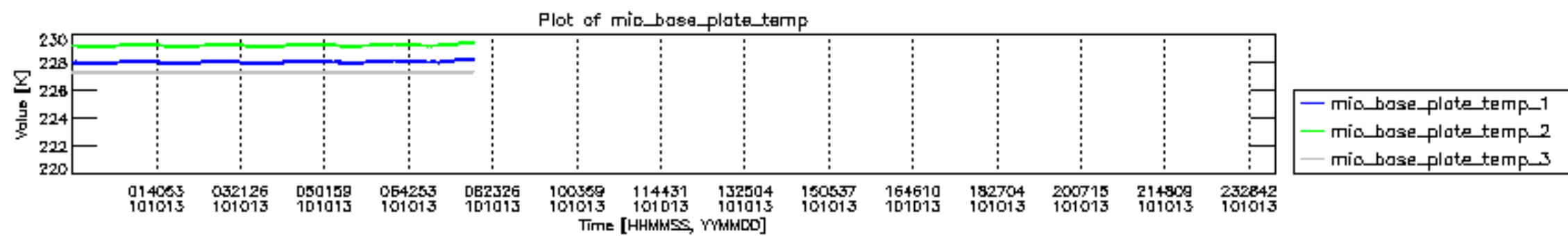


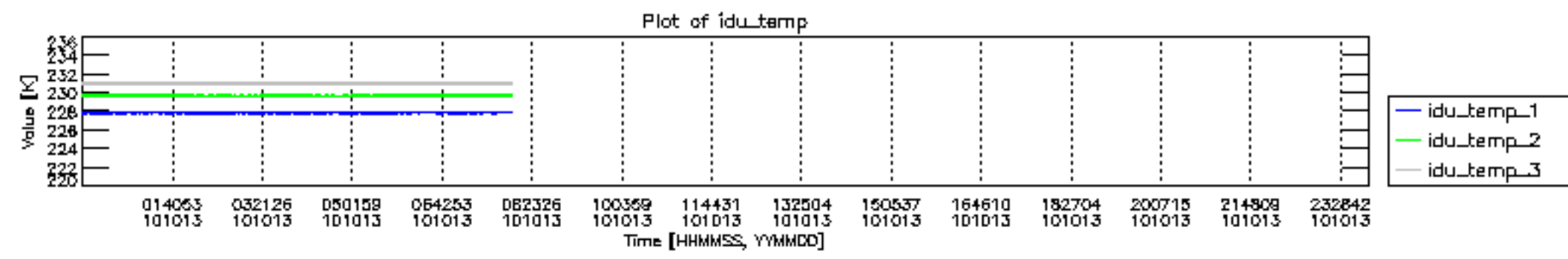
mipas_daily_report_level0__any_version__20101013_12.PNG

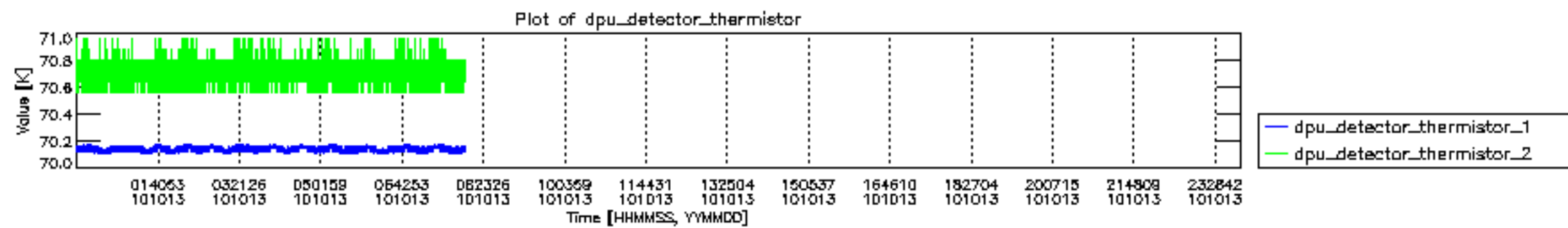


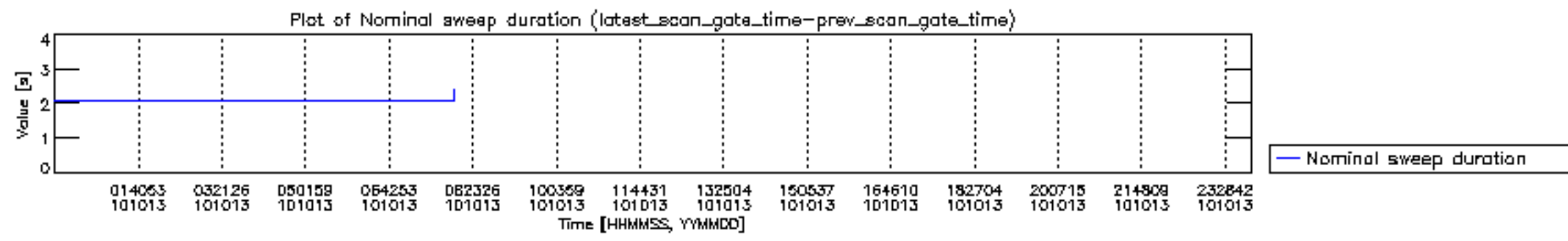
mipas_daily_report_level0__any_version__20101013_13.PNG

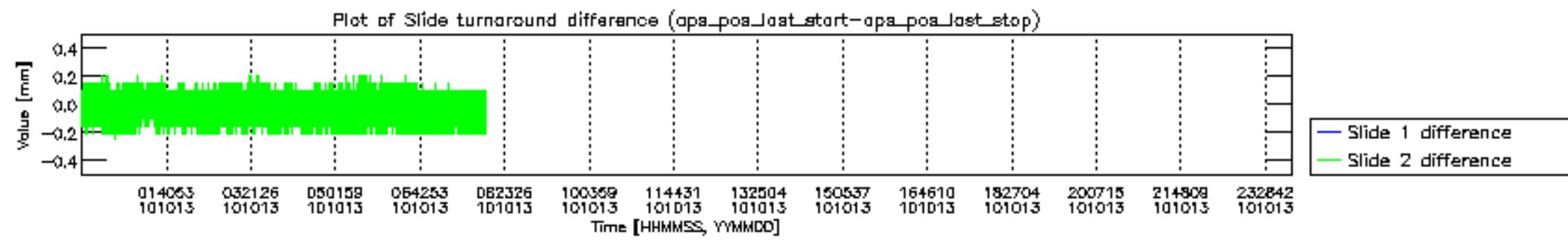


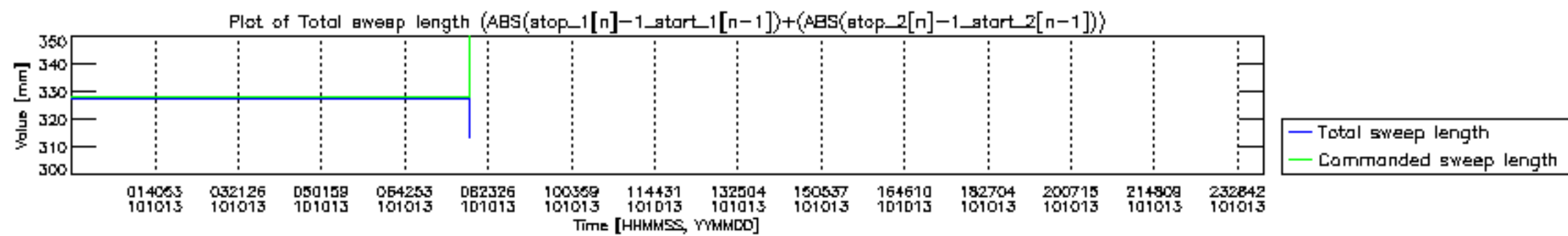


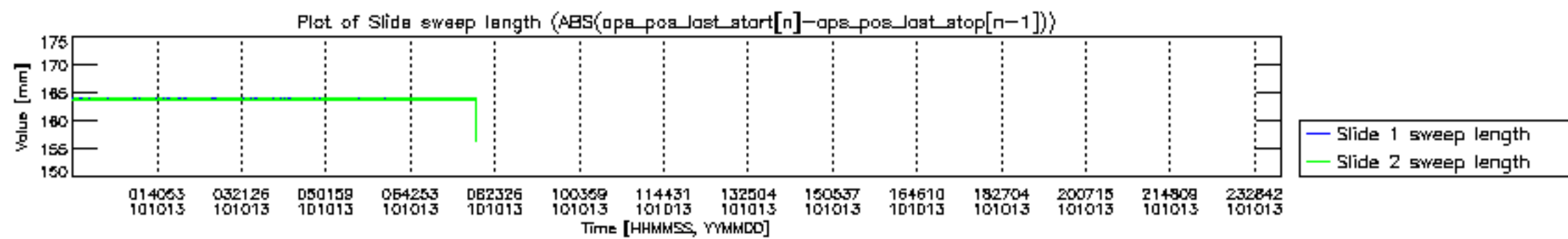


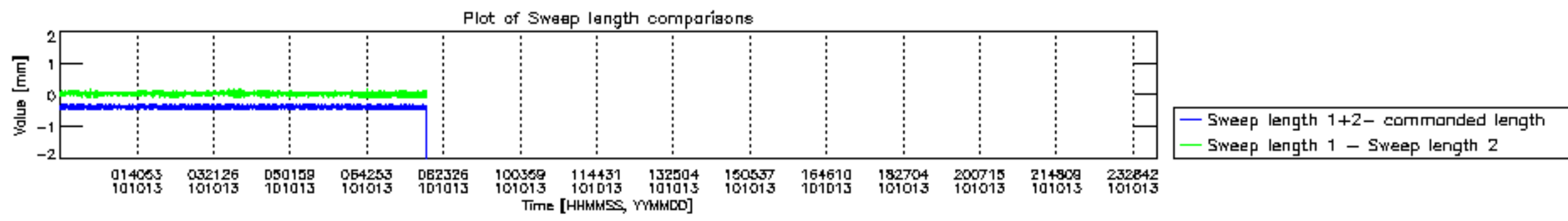


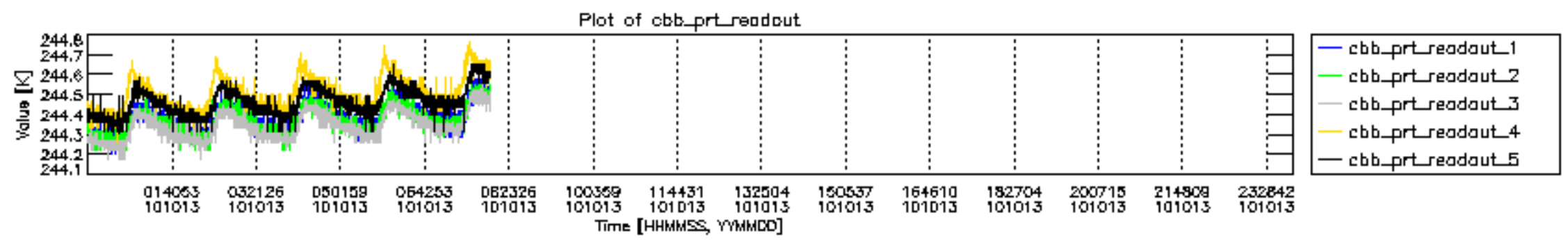


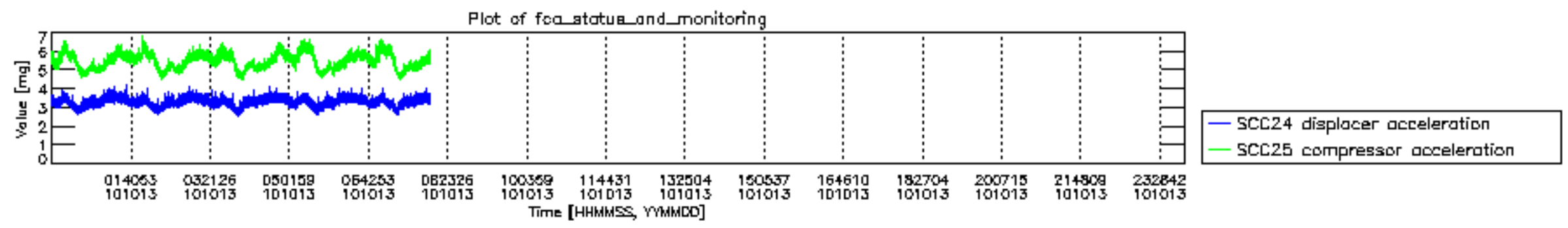




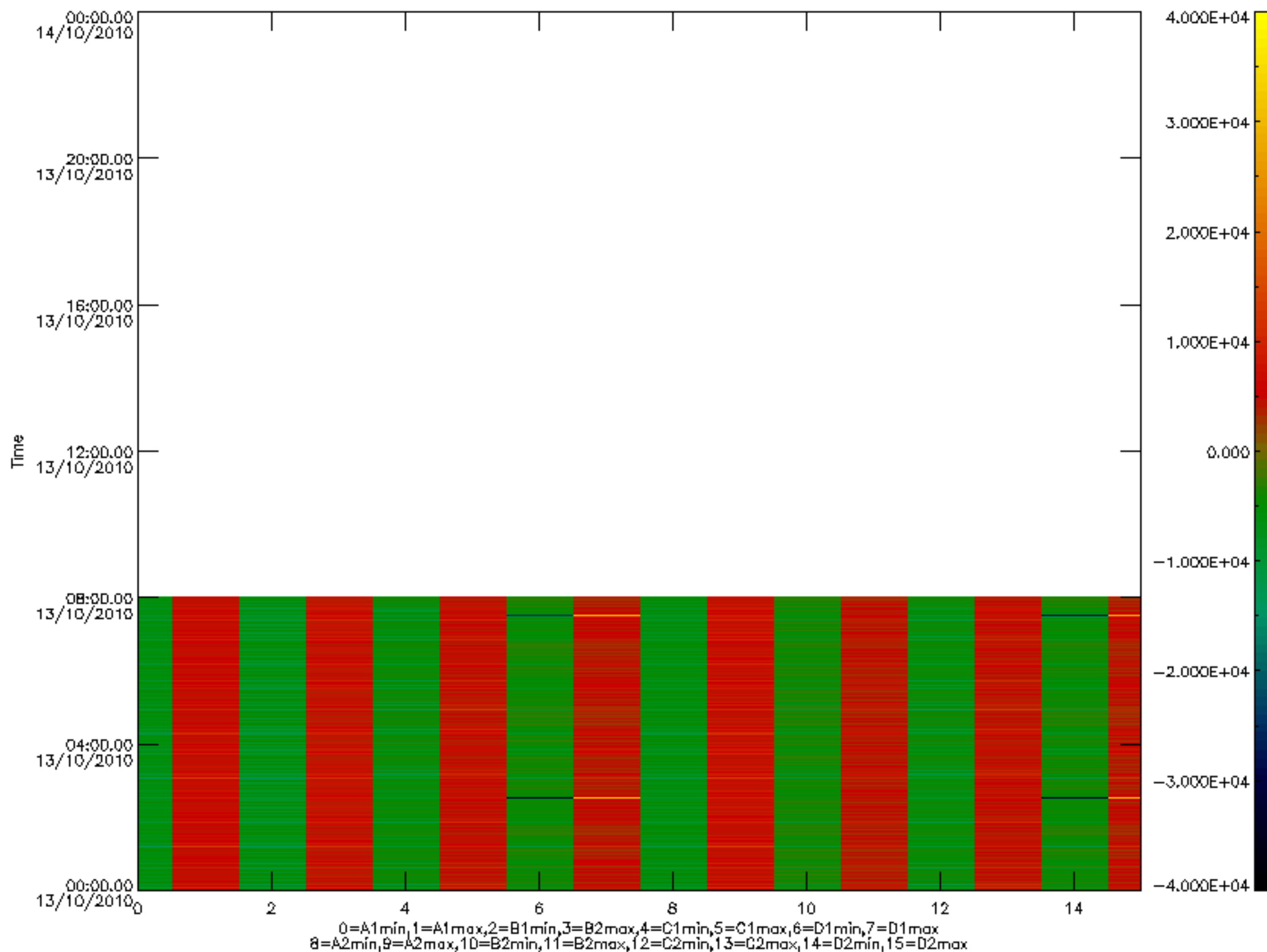


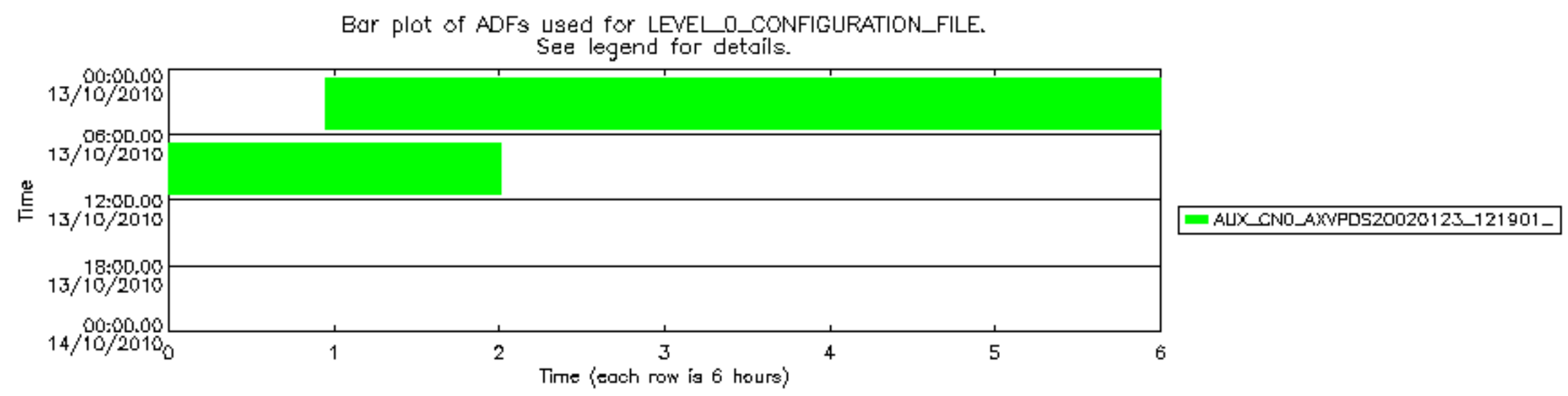






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

