

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	15JAN2012 05:25:16
Data source version	KSPT_L0/4504-N
Processing scope for products	10JAN2012 00:00:00 to 11JAN2012 00:00:00
Start time of first product within scope	10JAN2012 01:16:10
Stop time of last product within scope	11JAN2012 00:40:05
Total number of level 0 products	9
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__0PNPDE20120110_011610_000102303110_00275_51582_5314.N1	10JAN2012 01:16:10	10JAN2012 04:06:40	0	0	0	0	0
1	MIP_NL__0PNPDE20120110_040607_000062773110_00277_51584_5318.N1	10JAN2012 04:06:07	10JAN2012 05:50:44	0	0	0	0	0
2	MIP_NL__0PNPDE20120110_055011_000060793110_00278_51585_5319.N1	10JAN2012 05:50:11	10JAN2012 07:31:30	0	0	0	0	0
3	MIP_NL__0PNPDK20120110_073056_000035073110_00279_51586_8233.N1	10JAN2012 07:30:56	10JAN2012 08:29:23	0	0	0	0	0
4	MIP_NL__0PNPDK20120110_165944_000053063110_00285_51592_8234.N1	10JAN2012 16:59:44	10JAN2012 18:28:10	0	0	0	0	0
5	MIP_NL__0PNPDK20120110_182703_000060293110_00286_51593_8235.N1	10JAN2012 18:27:03	10JAN2012 20:07:32	0	0	0	0	0
6	MIP_NL__0PNPDE20120110_200522_000040713110_00287_51594_5320.N1	10JAN2012 20:05:22	10JAN2012 21:13:14	0	0	0	0	0
7	MIP_NL__0PNPDE20120110_211140_000065723110_00287_51594_5321.N1	10JAN2012 21:11:40	10JAN2012 23:01:12	0	0	0	0	0
8	MIP_NL__0PNPDE20120110_230007_000059973110_00288_51595_5322.N1	10JAN2012 23:00:07	11JAN2012 00:40:05	0	0	0	0	0

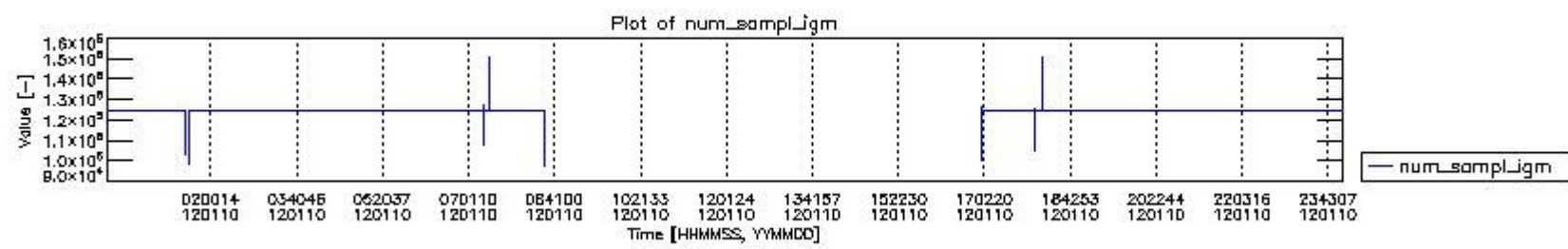
0.2 Instrument Operational Performance Parameters

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.

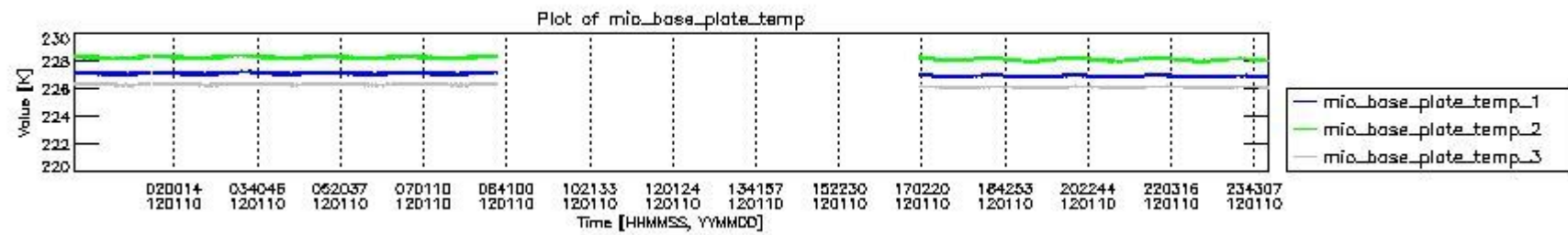
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
97314	1	0.0037392963
98699	1	0.0037392963
100334	1	0.0037392963
100991	1	0.0037392963
102816	1	0.0037392963
103742	1	0.0037392963
105005	1	0.0037392963
105342	1	0.0037392963
107310	1	0.0037392963

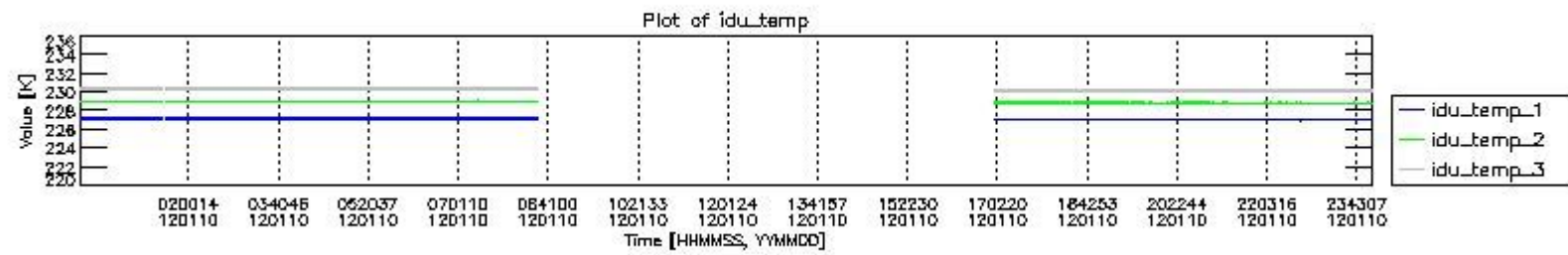
109952	1	0.0037392963
121123	1	0.0037392963
123102	1	0.0037392963
123874	1	0.0037392963
123951	1	0.0037392963
124800	24896	93.093520
124803	1823	6.8167371
125137	1	0.0037392963
125586	1	0.0037392963
126372	1	0.0037392963
127442	1	0.0037392963
127456	1	0.0037392963
127605	1	0.0037392963
147588	1	0.0037392963
147737	1	0.0037392963
150244	1	0.0037392963
150542	1	0.0037392963



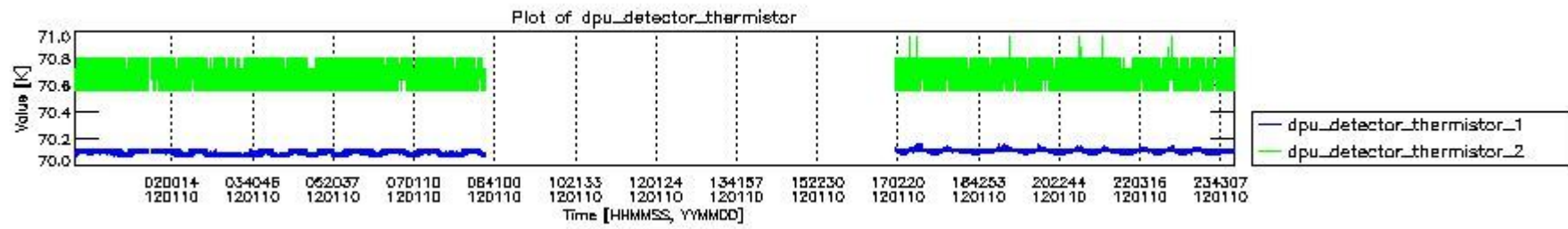
mipas_daily_report_level0_KSPT_L0_4504_N_20120110_0.PNG



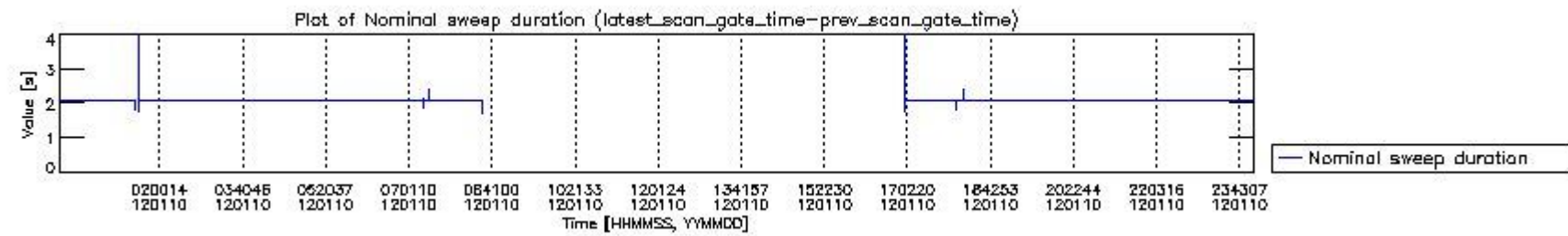
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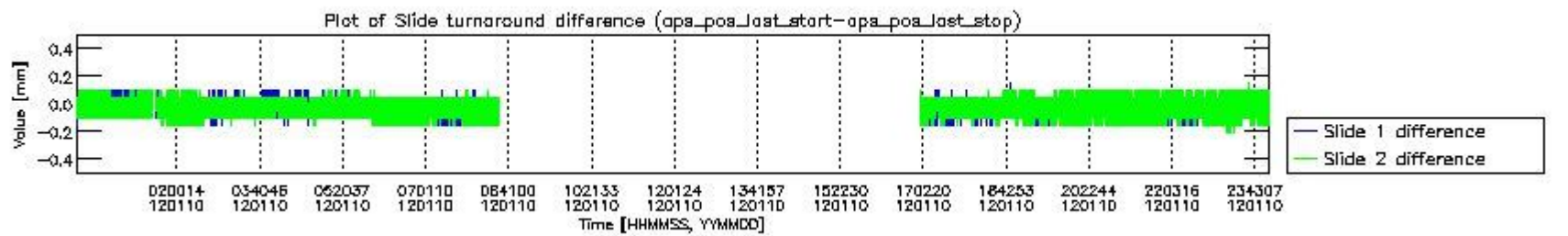
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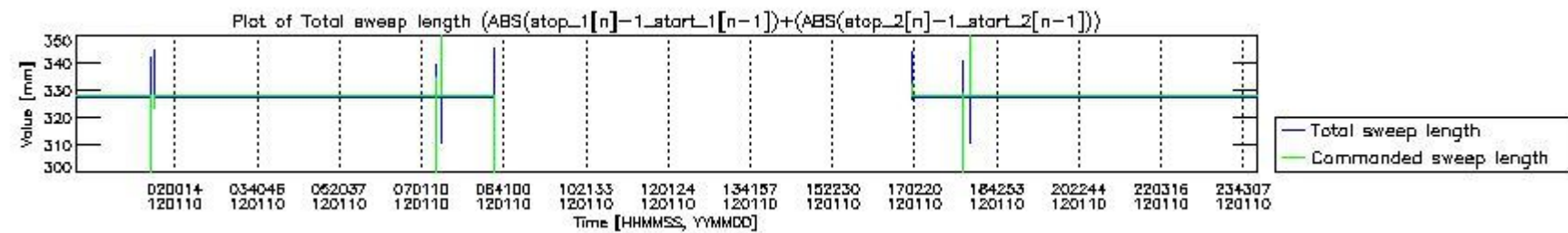
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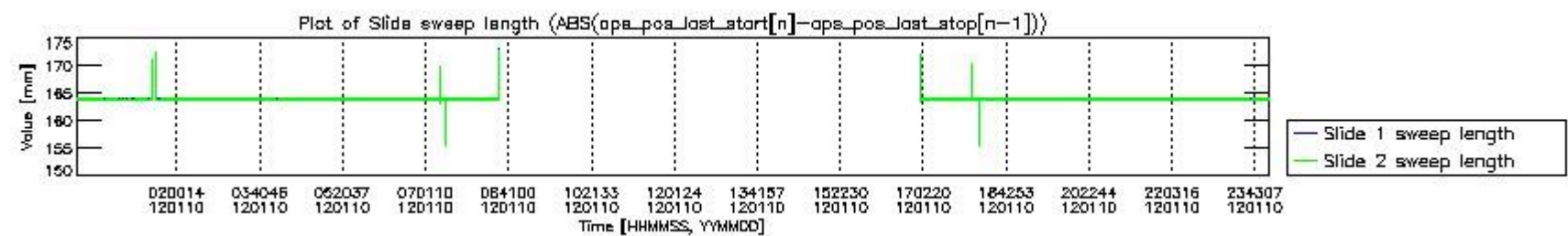
mipas_daily_report_level0_KSPT_L0_4504_N_20120110_4.PNG



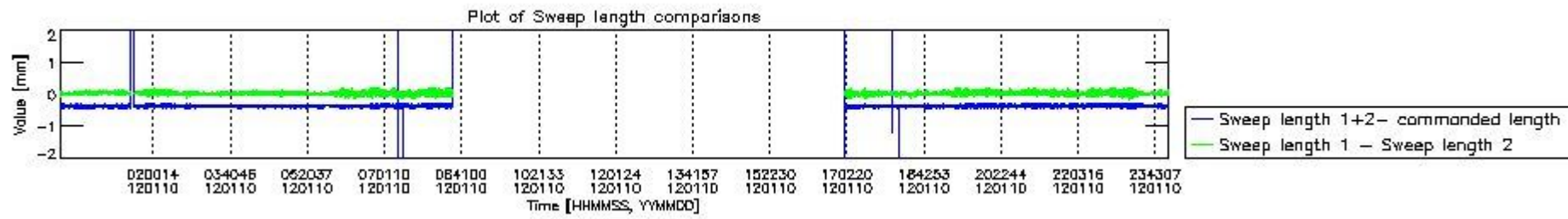
mipas_daily_report_level0_KSPT_L0_4504_N_20120110_5.PNG



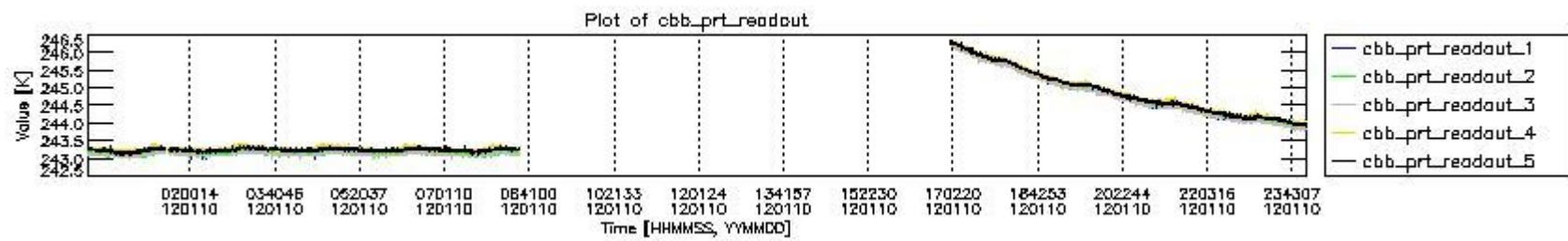
mipas_daily_report_level0_KSPT_L0_4504_N_20120110_6.PNG



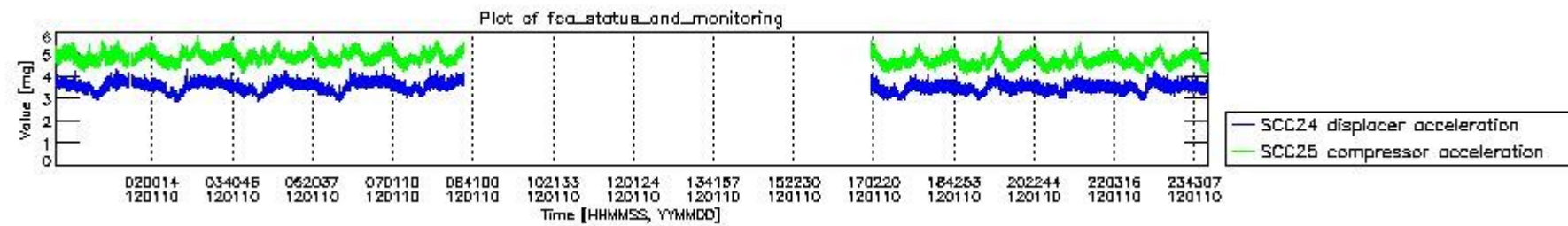
mipas_daily_report_level0_KSPT_L0_4504_N_20120110_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120110_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120110_9.PNG

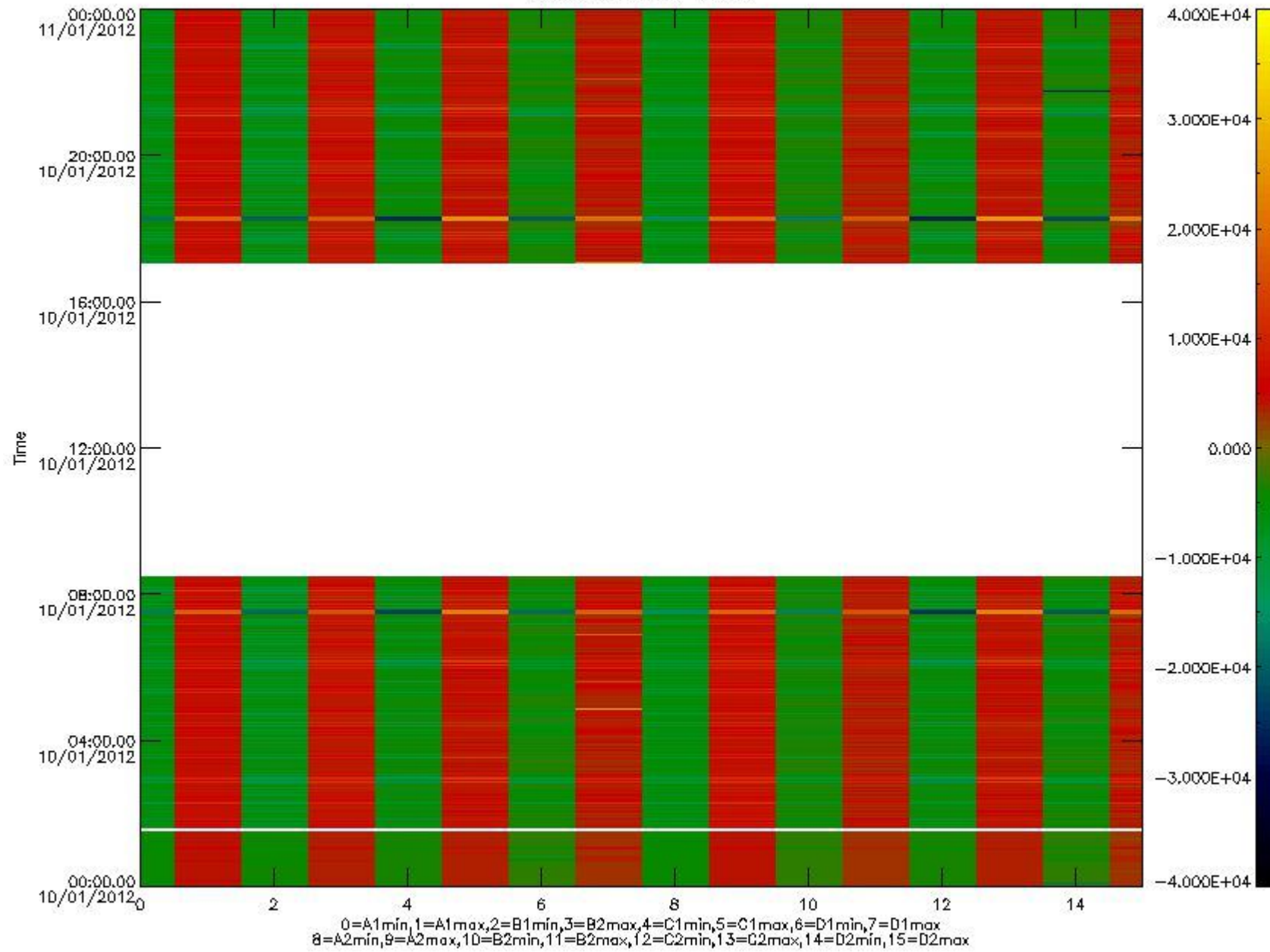


mipas_daily_report_level0_KSPT_L0_4504_N_20120110_10.PNG

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

Channel	Min	Max	ADC
A1	-18191	19349	16bit
B1	-20668	17828	16bit
C1	-25313	25214	16bit
D1	-21346	30692	16bit
A2	-15816	19626	16bit
B2	-18542	18271	16bit
C2	-26378	26022	16bit
D2	-32768	23649	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120110_11.PNG

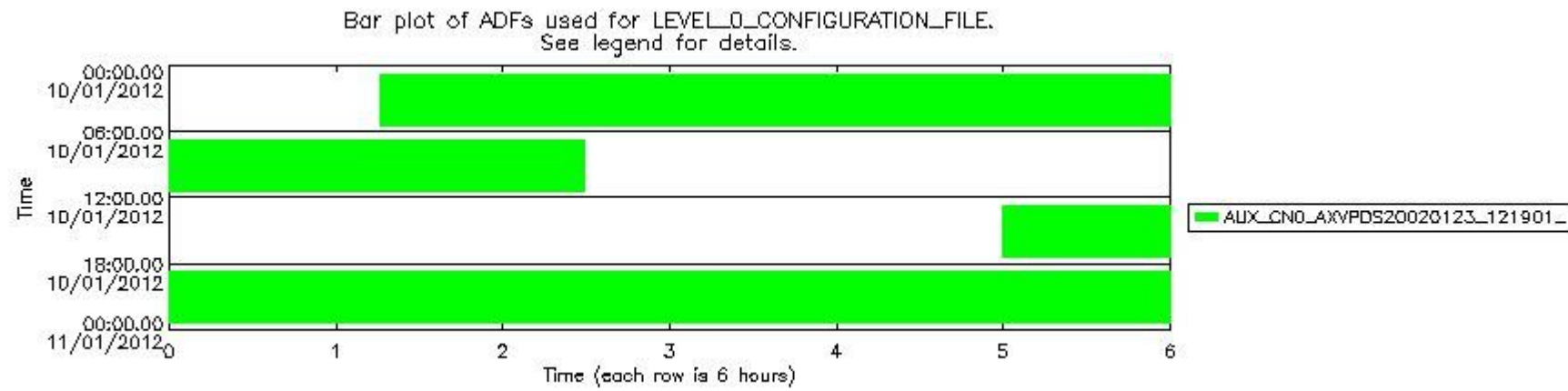
0.3 ADF monitoring

The use of ADFs is shown in two ways:

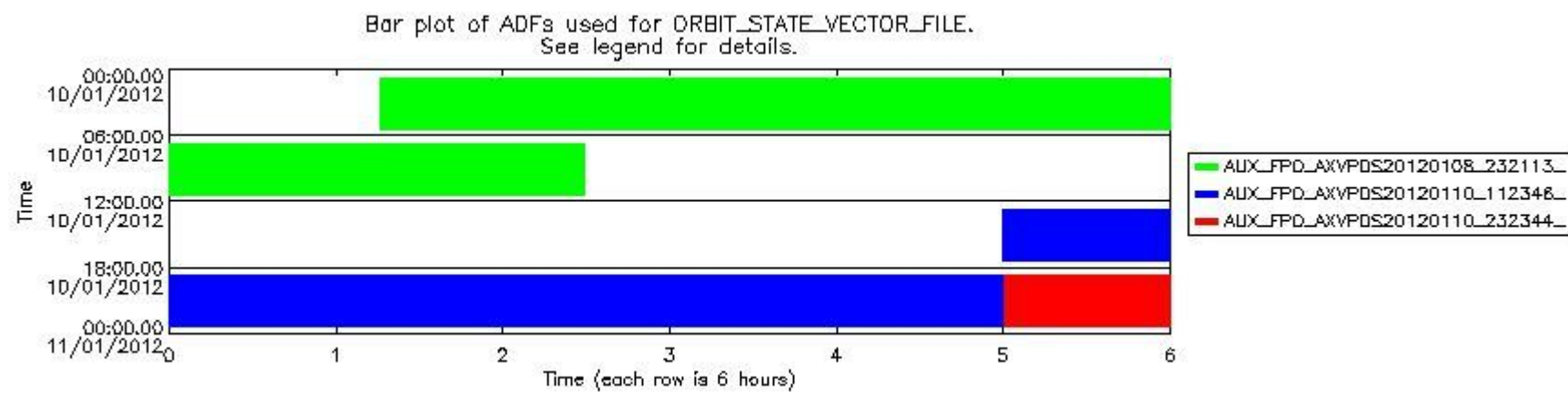
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120108_232113_20120108_192406_20120118_213745
2	AUX_FPO_AXVPDS20120110_112346_20120109_184721_20120119_210101
3	AUX_FPO_AXVPDS20120110_232344_20120110_195049_20120120_202416

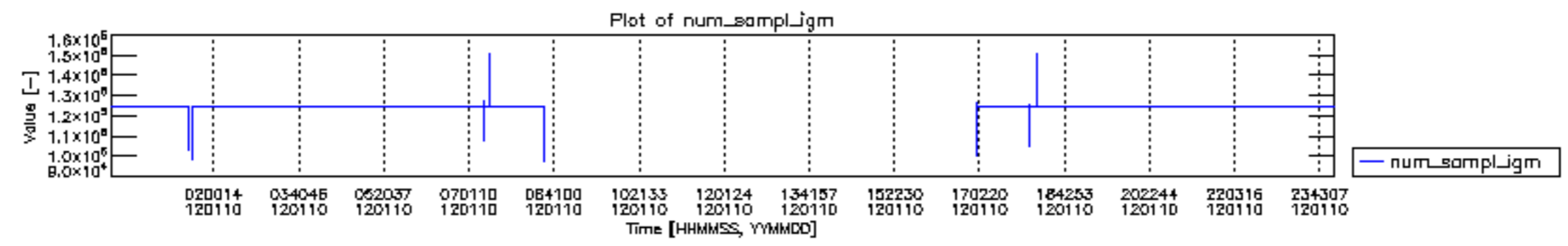
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20120110_011610_000102303110_00275_51582_5314.N1	0	1
1	MIP_NL__0PNPDE20120110_040607_000062773110_00277_51584_5318.N1	0	1
2	MIP_NL__0PNPDE20120110_055011_000060793110_00278_51585_5319.N1	0	1
3	MIP_NL__0PNPDK20120110_073056_000035073110_00279_51586_8233.N1	0	1
4	MIP_NL__0PNPDK20120110_165944_000053063110_00285_51592_8234.N1	0	2
5	MIP_NL__0PNPDK20120110_182703_000060293110_00286_51593_8235.N1	0	2
6	MIP_NL__0PNPDE20120110_200522_000040713110_00287_51594_5320.N1	0	2
7	MIP_NL__0PNPDE20120110_211140_000065723110_00287_51594_5321.N1	0	2
8	MIP_NL__0PNPDE20120110_230007_000059973110_00288_51595_5322.N1	0	3

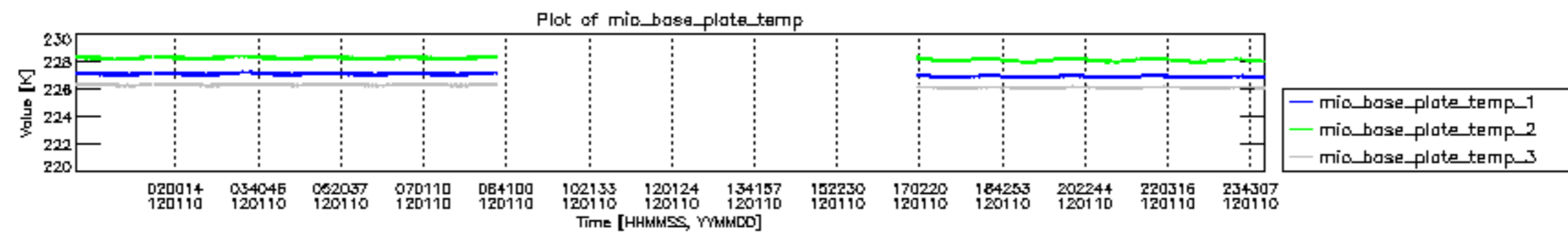


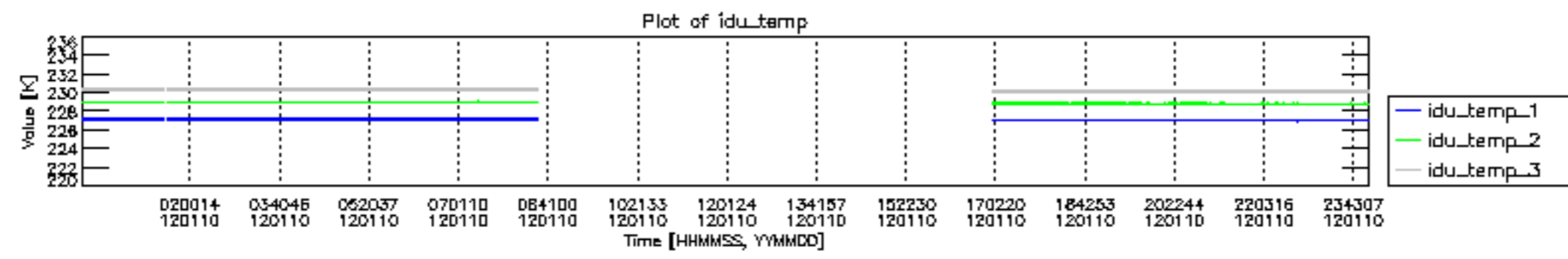
mipas_daily_report_level0_KSPT_L0_4504_N_20120110_12.PNG

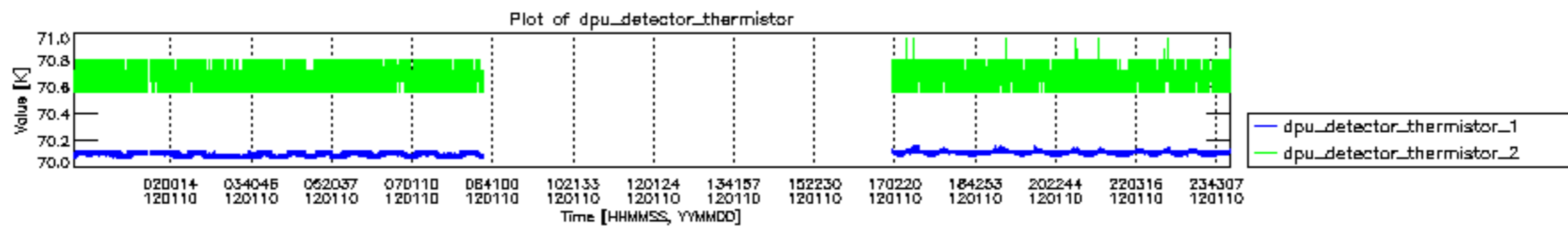


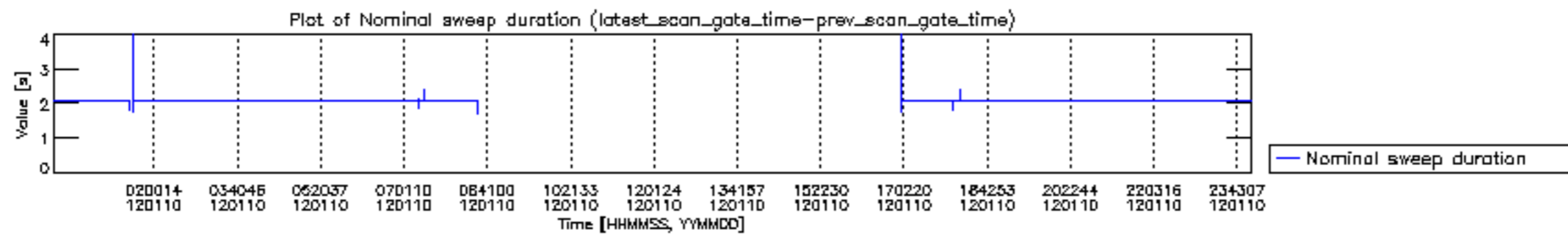
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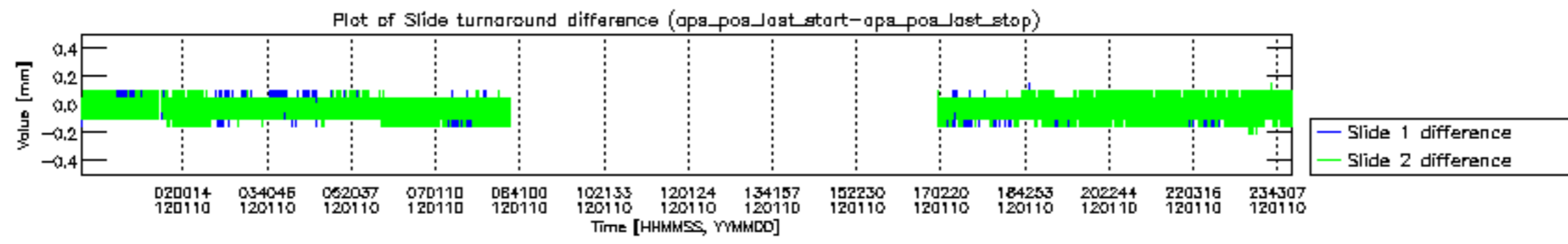


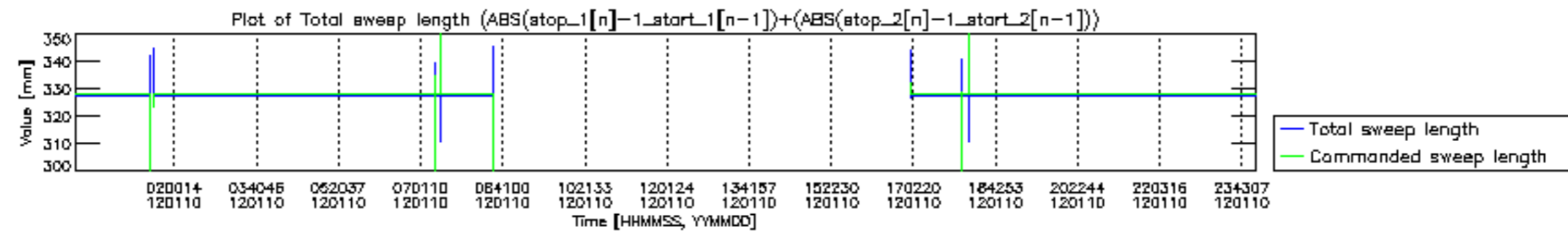


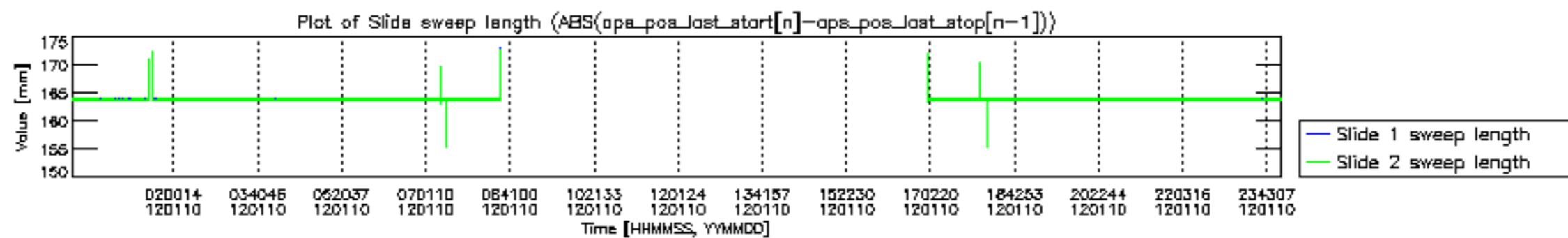


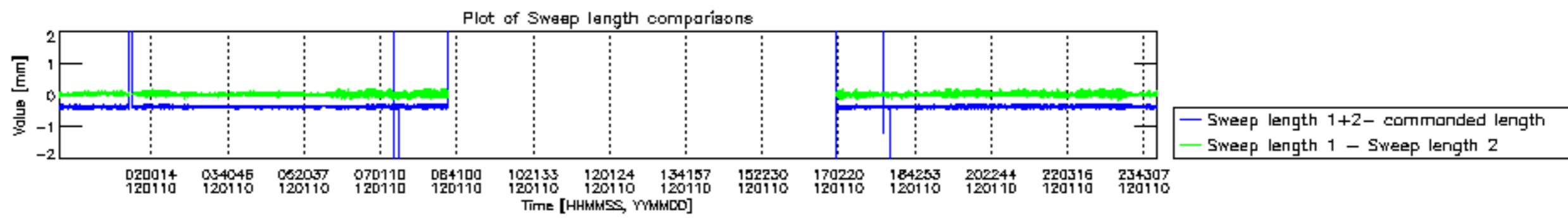


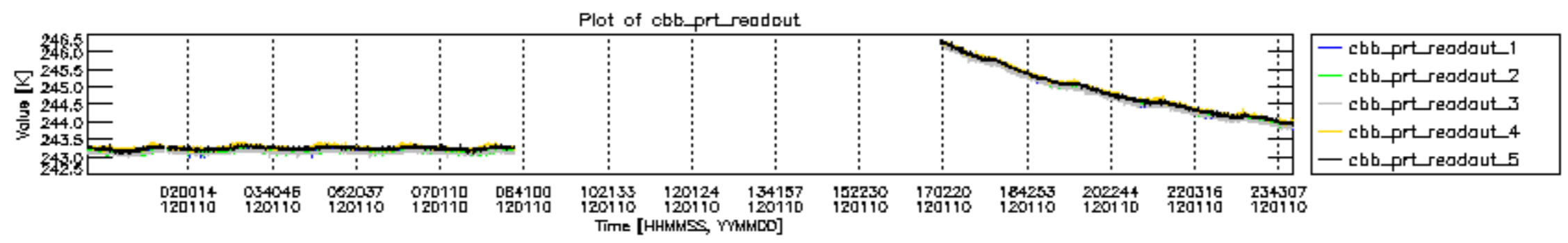


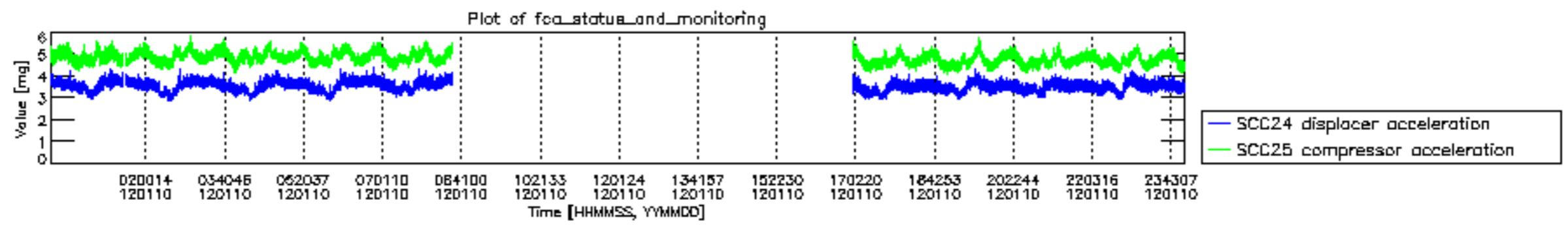




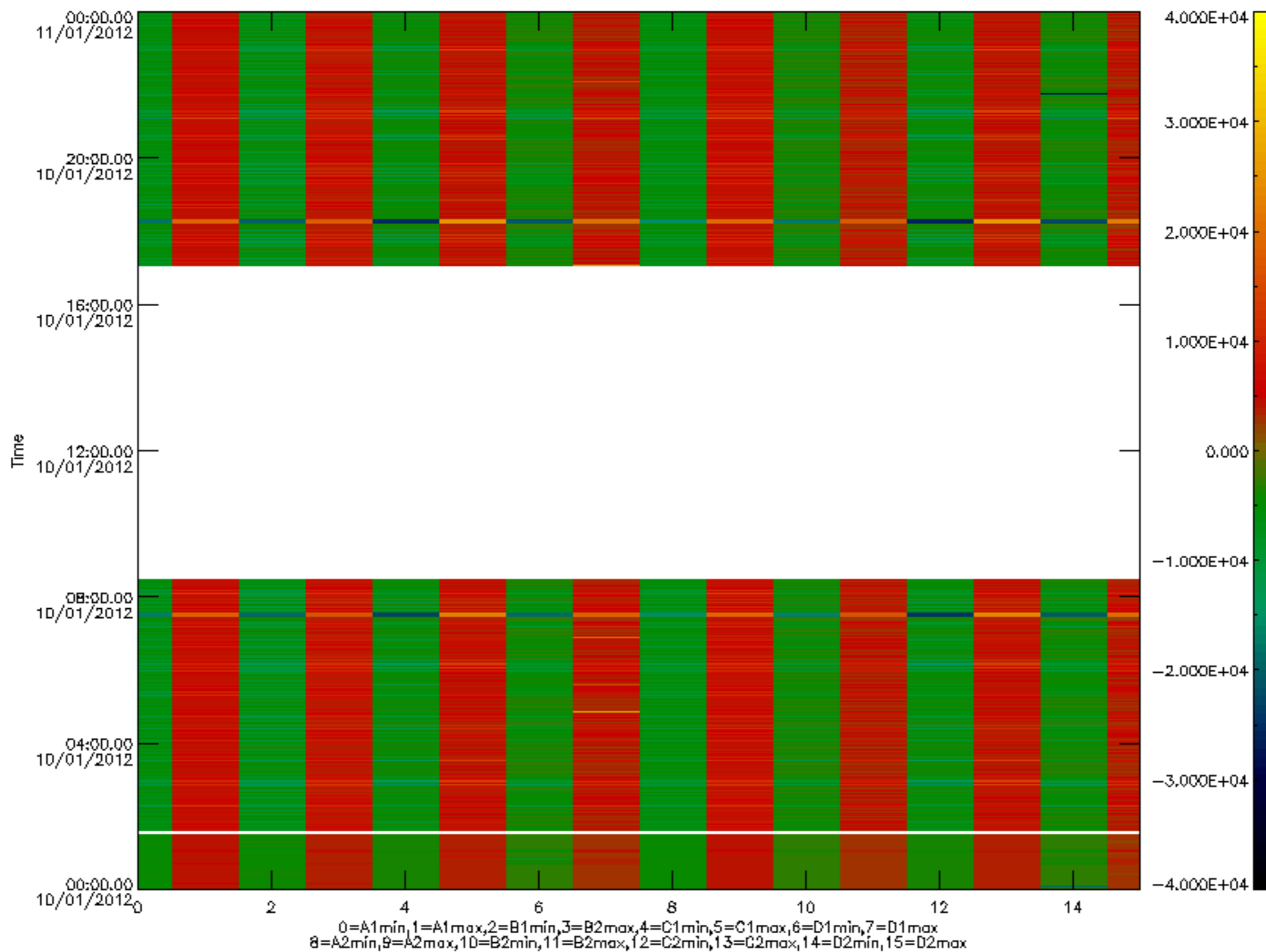


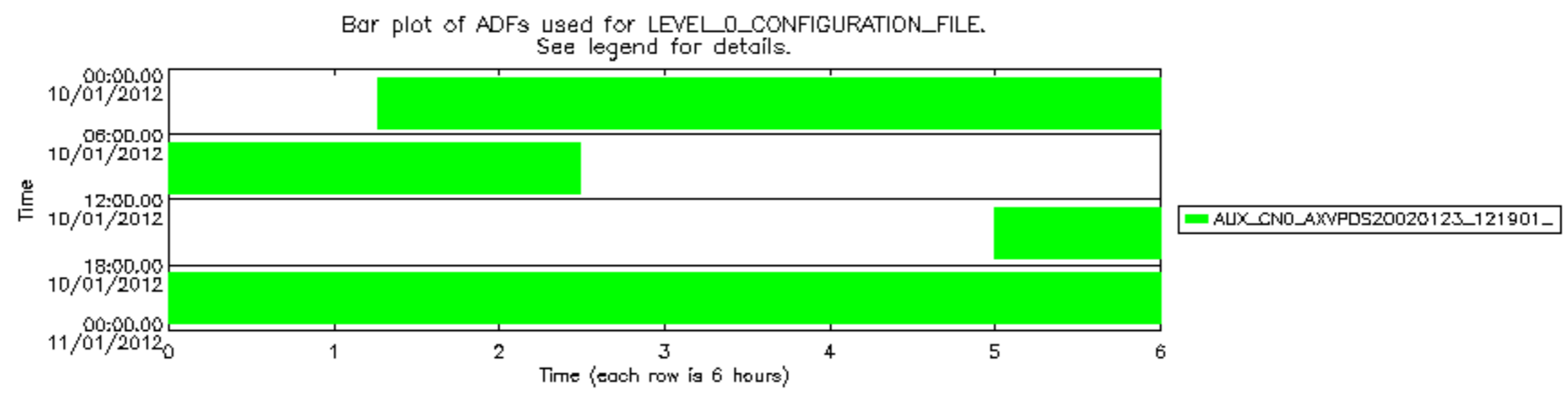






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

