

0. MIPAS Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Instrument Operational Performance Parameters](#)

[0.3 ADF monitoring](#)

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	29JAN2012 05:24:48
Data source version	KSPT_L0/4504-N
Processing scope for products	24JAN2012 00:00:00 to 25JAN2012 00:00:00
Start time of first product within scope	24JAN2012 08:35:31
Stop time of last product within scope	25JAN2012 00:24:42
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__0PNPDK20120124_083531_000050553111_00050_51788_8348.N1	24JAN2012 08:35:31	24JAN2012 09:59:46	0	0	0	0	0
1	MIP_NL__0PNPDK20120124_095800_000061863111_00051_51789_8349.N1	24JAN2012 09:58:00	24JAN2012 11:41:06	0	0	0	0	0
2	MIP_NL__0PNPDK20120124_113942_000060773111_00052_51790_8350.N1	24JAN2012 11:39:42	24JAN2012 13:20:59	0	0	0	0	0
3	MIP_NL__0PNPDK20120124_131938_000059243111_00053_51791_8351.N1	24JAN2012 13:19:38	24JAN2012 14:58:22	0	0	0	0	0
4	MIP_NL__0PNPDK20120124_145723_000059873111_00054_51792_8352.N1	24JAN2012 14:57:23	24JAN2012 16:37:11	0	0	0	0	0
5	MIP_NL__0PNPDK20120124_163541_000059703111_00055_51793_8353.N1	24JAN2012 16:35:41	24JAN2012 18:15:11	0	0	0	0	0
6	MIP_NL__0PNPDK20120124_181339_000058243111_00056_51794_8354.N1	24JAN2012 18:13:39	24JAN2012 19:50:44	0	0	0	0	0
7	MIP_NL__0PNPDE20120124_194907_000043543111_00057_51795_5410.N1	24JAN2012 19:49:07	24JAN2012 21:01:41	0	0	0	0	0
8	MIP_NL__0PNPDE20120124_224453_000059893111_00058_51796_5412.N1	24JAN2012 22:44:53	25JAN2012 00:24:42	0	0	0	0	0

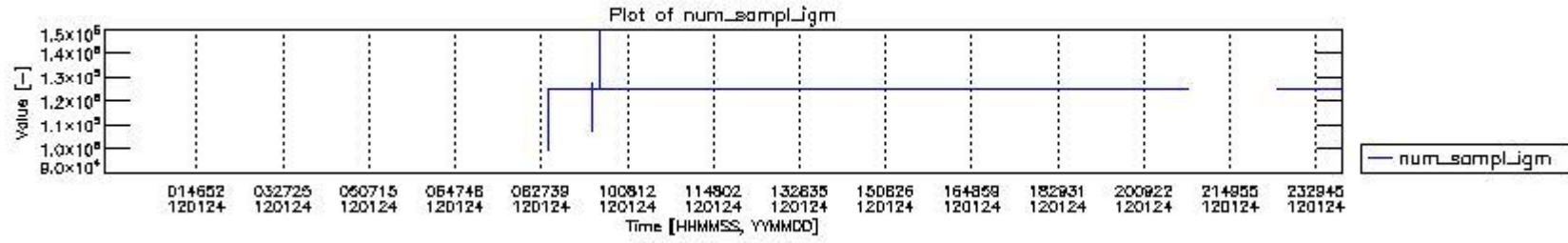
0.2 Instrument Operational Performance Parameters

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.

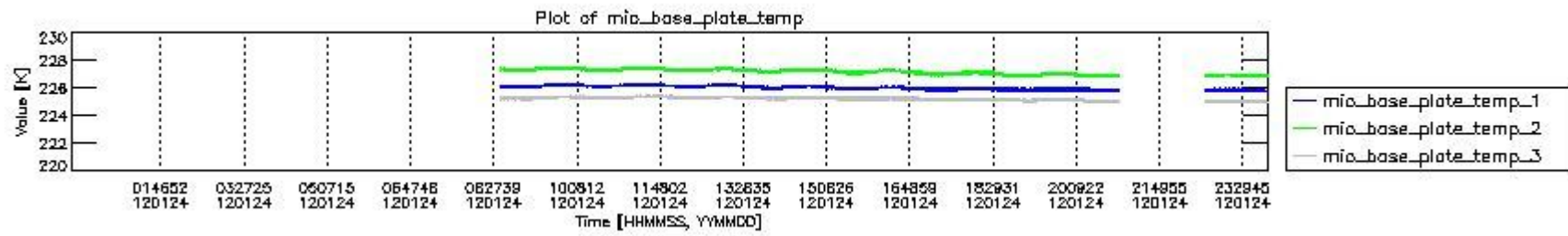
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
99814	1	0.0042022104
107607	1	0.0042022104
110546	1	0.0042022104
124800	22446	94.322814
124803	1342	5.6393663
125066	1	0.0042022104
125332	1	0.0042022104
127308	1	0.0042022104
127739	1	0.0042022104

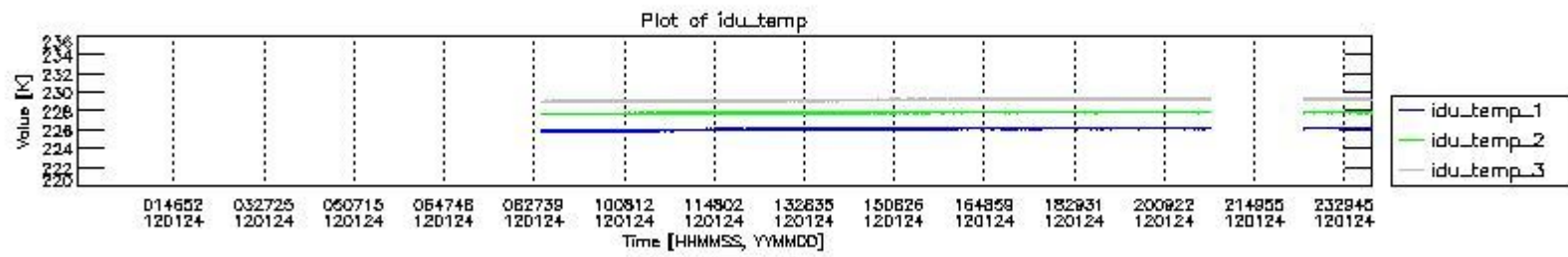
147440	1	0.0042022104
149948	1	0.0042022104



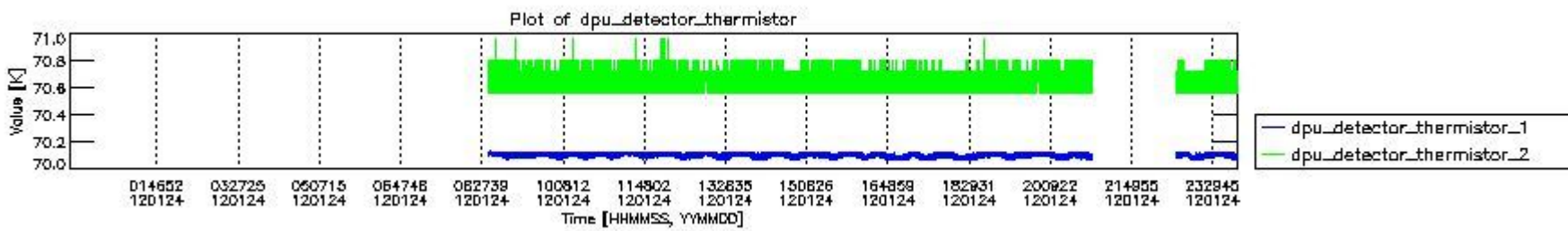
mipas_daily_report_level0_KSPT_L0_4504_N_20120124_0.PNG



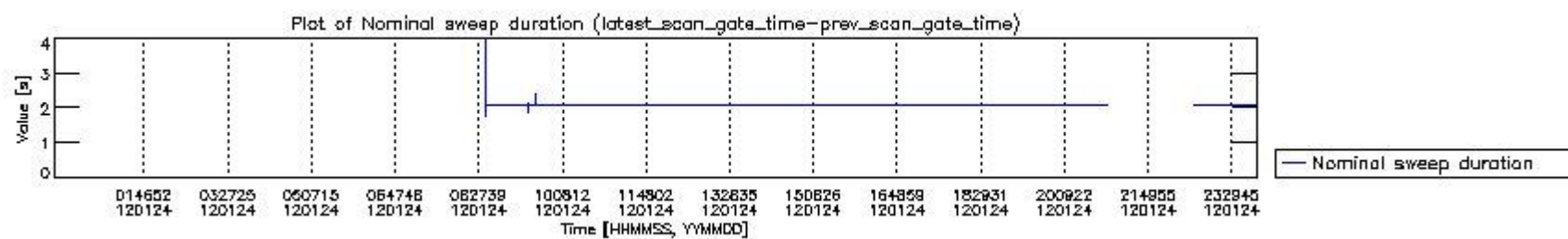
mipas_daily_report_level0_KSPT_L0_4504_N_20120124_1.PNG



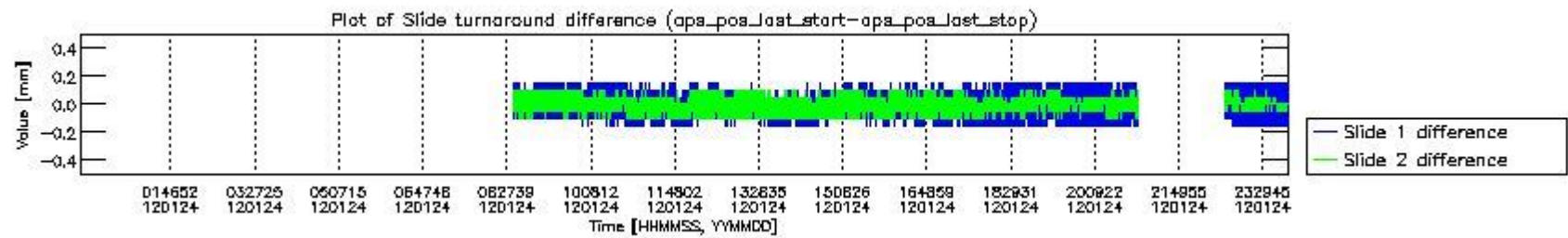
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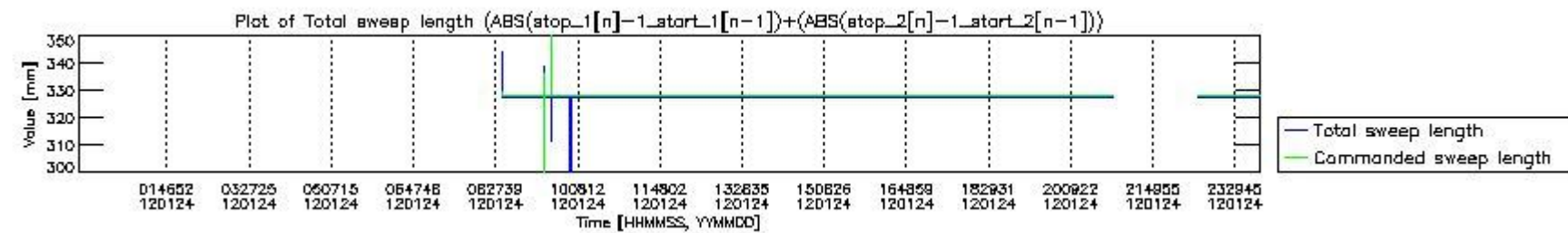
mipas_daily_report_level0_KSPT_L0_4504_N_20120124_3.PNG



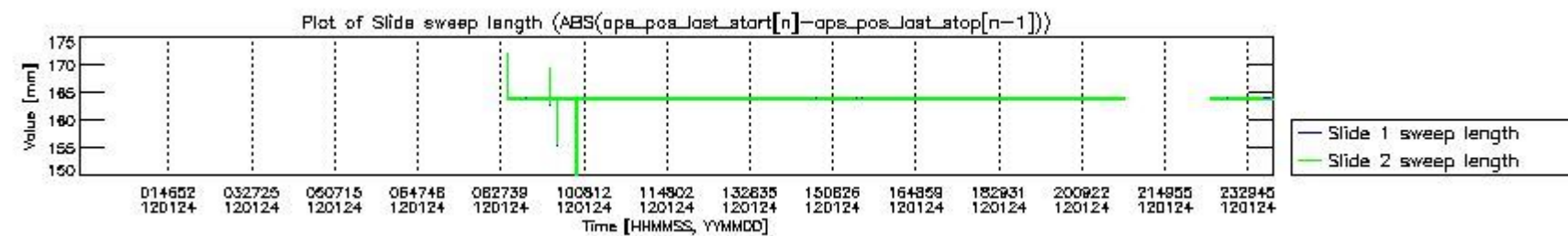
mipas_daily_report_level0_KSPT_L0_4504_N_20120124_4.PNG



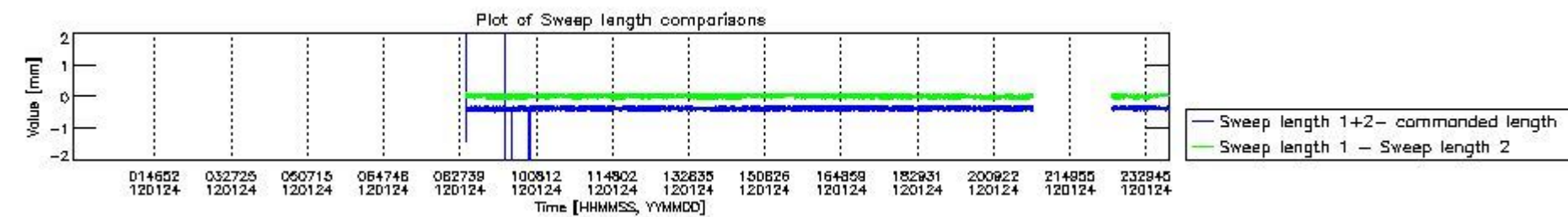
mipas_daily_report_level0_KSPT_L0_4504_N_20120124_5.PNG



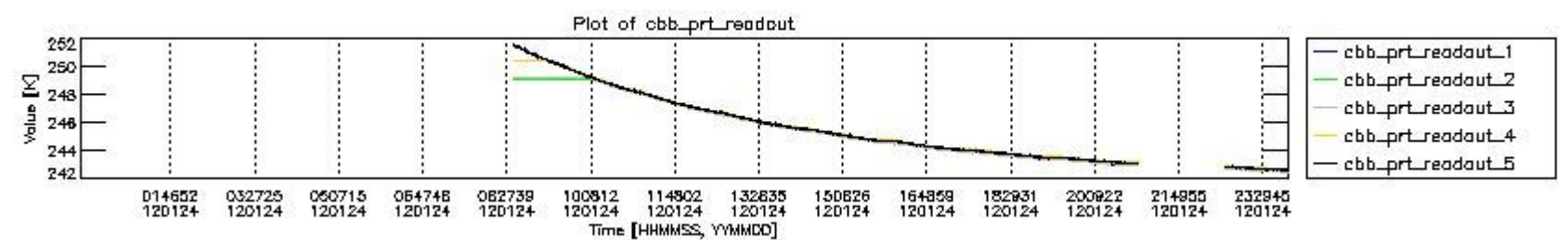
mipas_daily_report_level0_KSPT_L0_4504_N_20120124_6.PNG



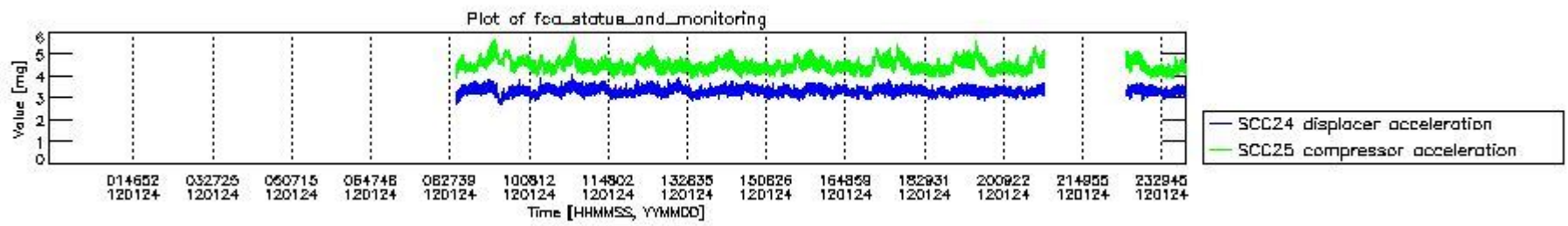
mipas_daily_report_level0_KSPT_L0_4504_N_20120124_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120124_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120124_9.PNG

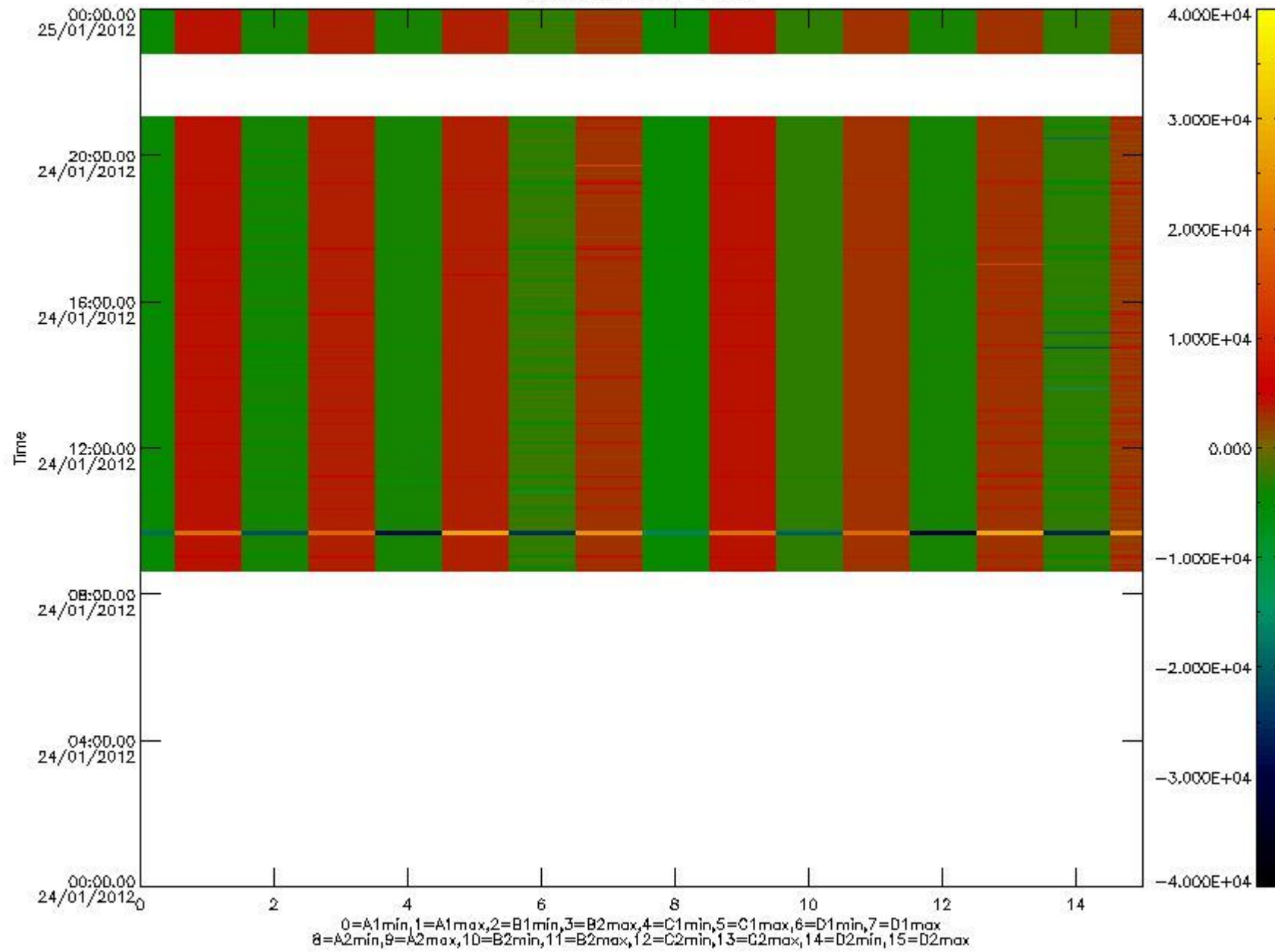


mipas_daily_report_level0_KSPT_L0_4504_N_20120124_10.PNG

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

Channel	Min	Max	ADC
A1	-19072	20456	16bit
B1	-22400	19218	16bit
C1	-29176	28926	16bit
D1	-25462	32767	16bit
A2	-16579	20823	16bit
B2	-20425	20057	16bit
C2	-30425	29919	16bit
D2	-32768	27913	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120124_11.PNG

0.3 ADF monitoring

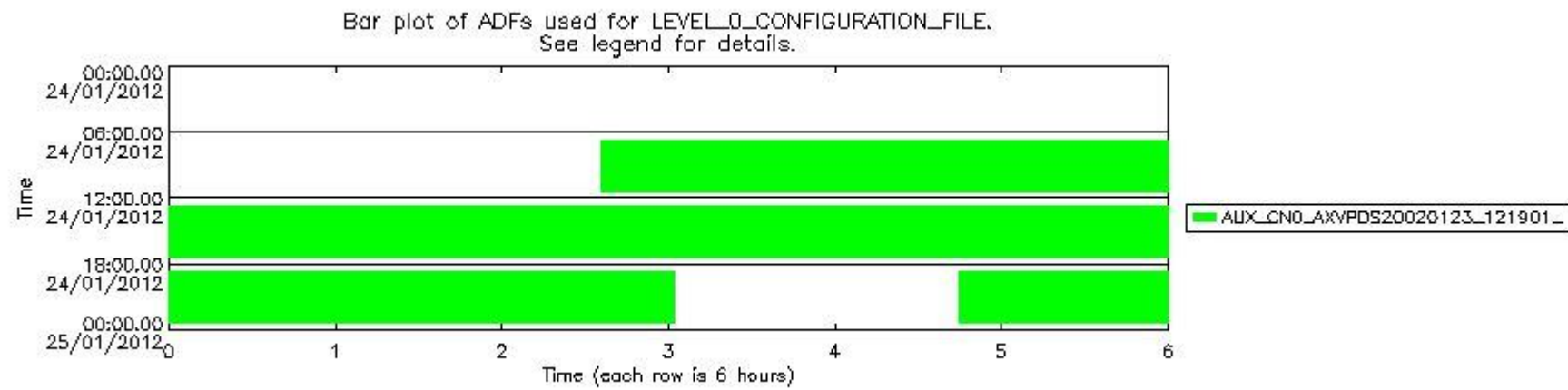
The use of ADFs is shown in two ways:

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.

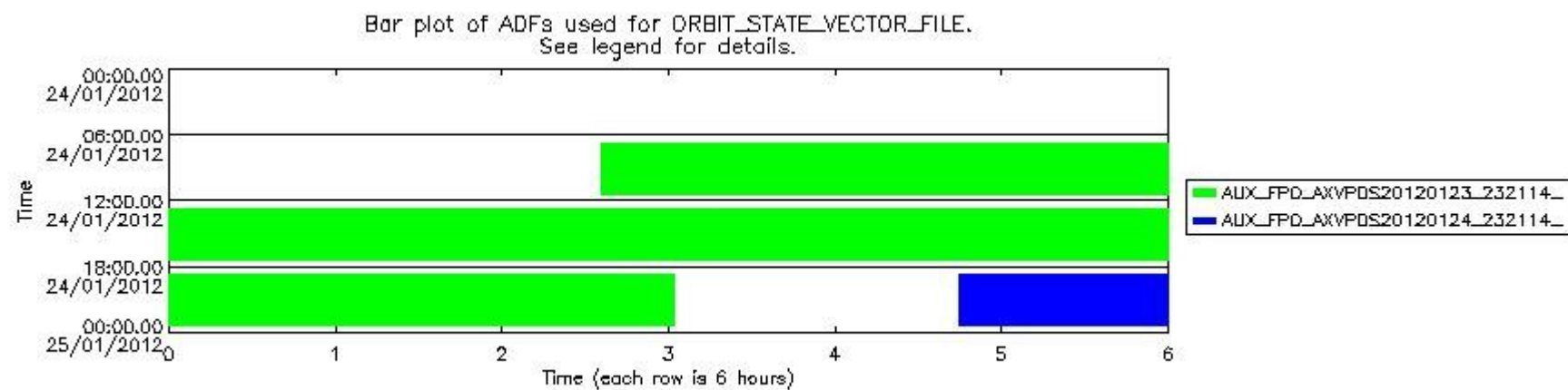
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120123_232114_20120123_183401_20120202_204739
2	AUX_FPO_AXVPDS20120124_232114_20120124_193730_20120203_201054

Number	Product name	#CN0	#FPO
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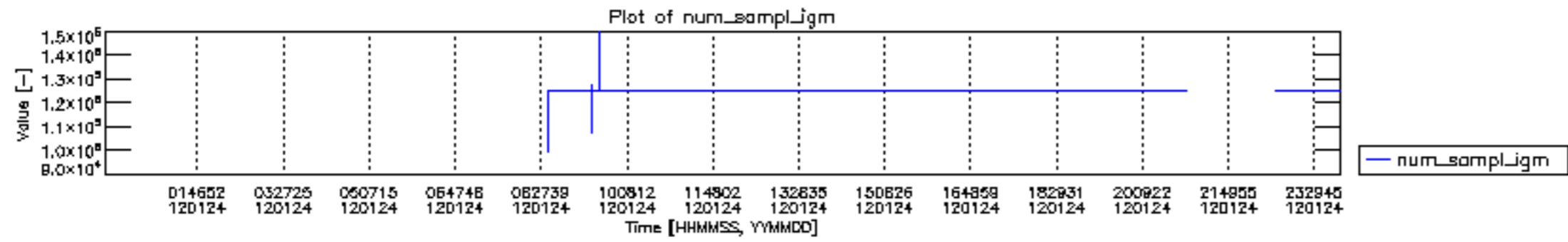
0	MIP_NL__0PNPDK20120124_083531_000050553111_00050_51788_8348.N1	0	1
1	MIP_NL__0PNPDK20120124_095800_000061863111_00051_51789_8349.N1	0	1
2	MIP_NL__0PNPDK20120124_113942_000060773111_00052_51790_8350.N1	0	1
3	MIP_NL__0PNPDK20120124_131938_000059243111_00053_51791_8351.N1	0	1
4	MIP_NL__0PNPDK20120124_145723_000059873111_00054_51792_8352.N1	0	1
5	MIP_NL__0PNPDK20120124_163541_000059703111_00055_51793_8353.N1	0	1
6	MIP_NL__0PNPDK20120124_181339_000058243111_00056_51794_8354.N1	0	1
7	MIP_NL__0PNPDE20120124_194907_000043543111_00057_51795_5410.N1	0	1
8	MIP_NL__0PNPDE20120124_224453_000059893111_00058_51796_5412.N1	0	2

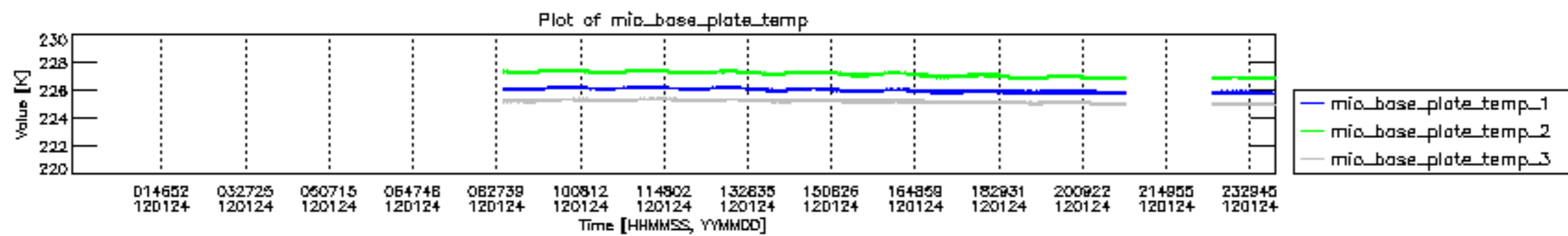


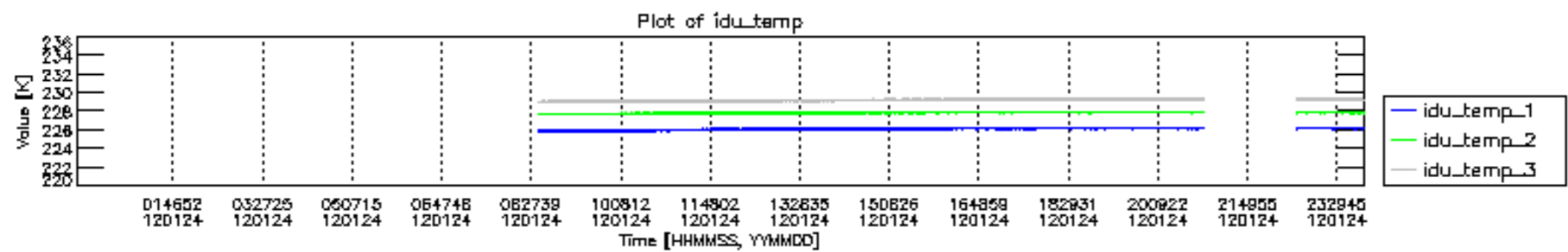
mipas_daily_report_level0_KSPT_L0_4504_N_20120124_12.PNG

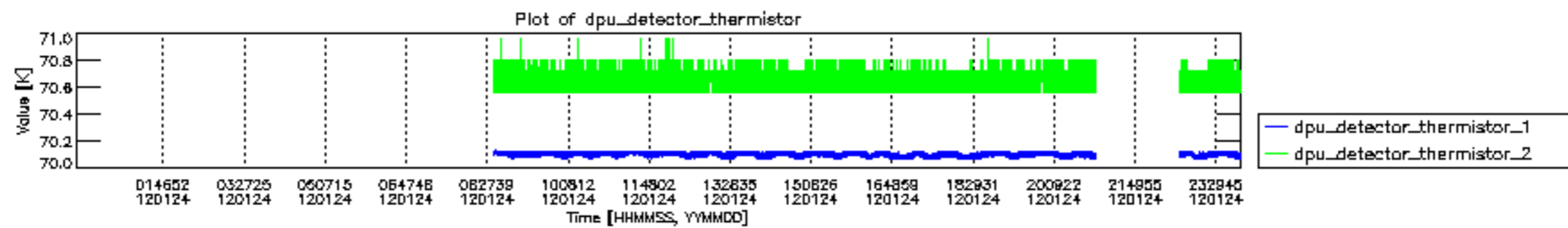


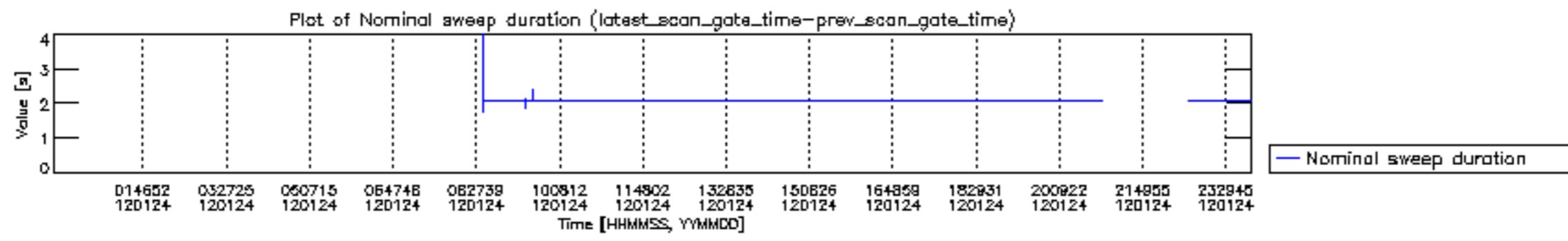
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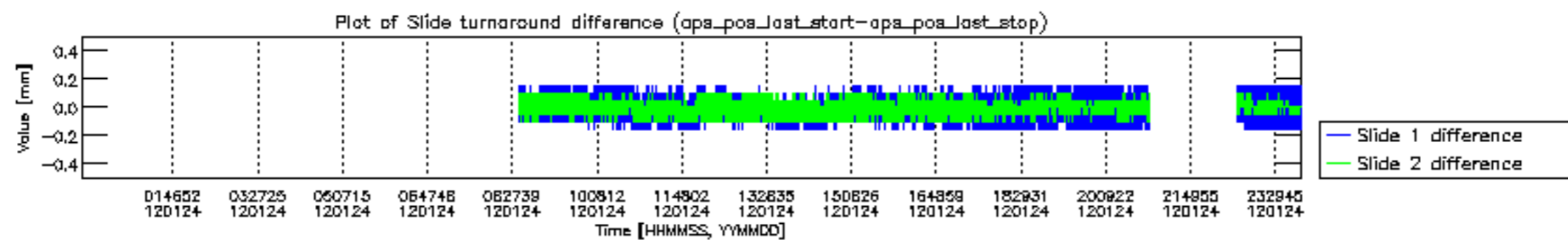


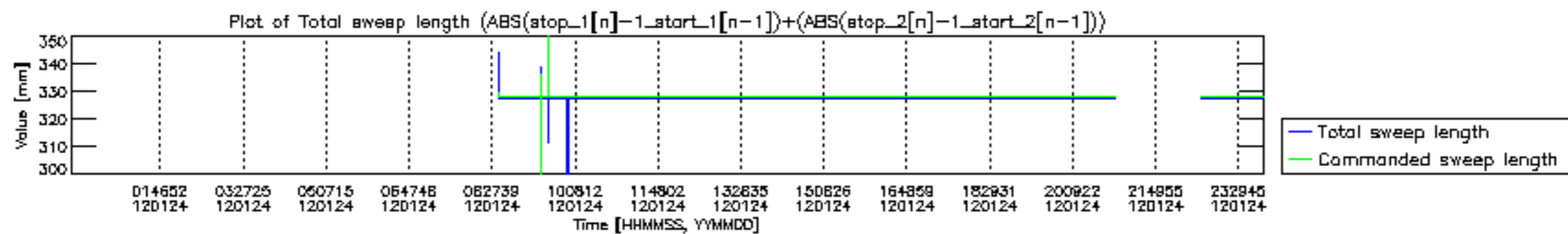


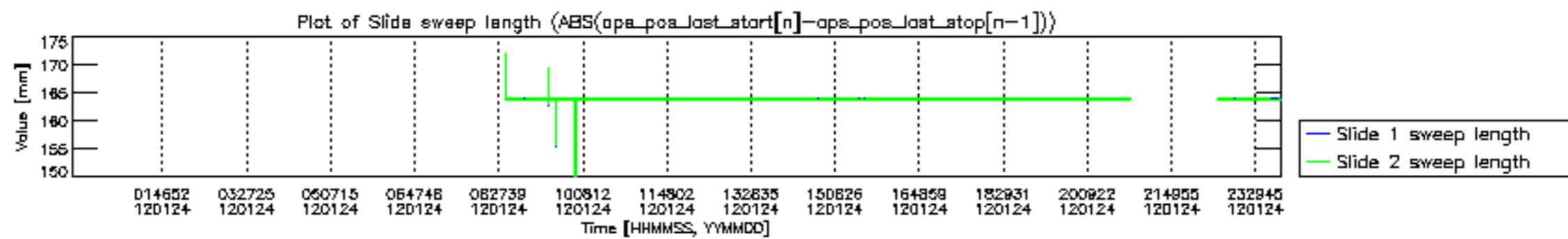


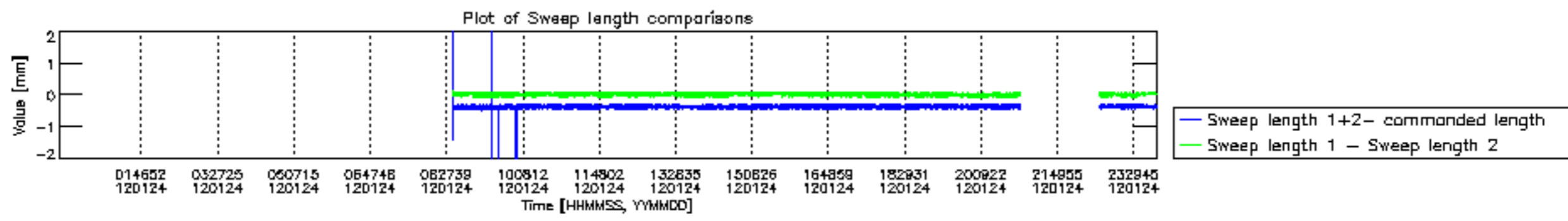


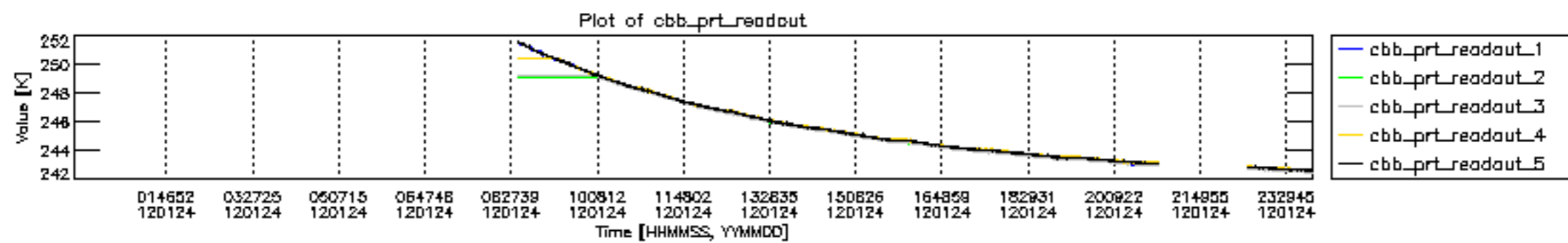


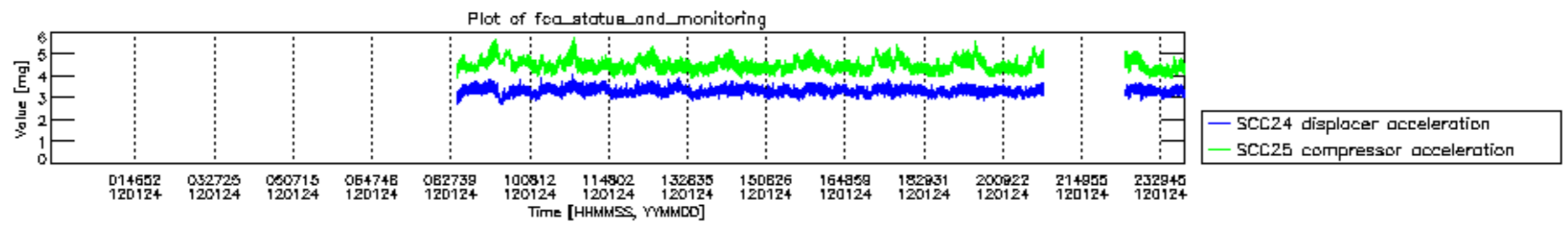




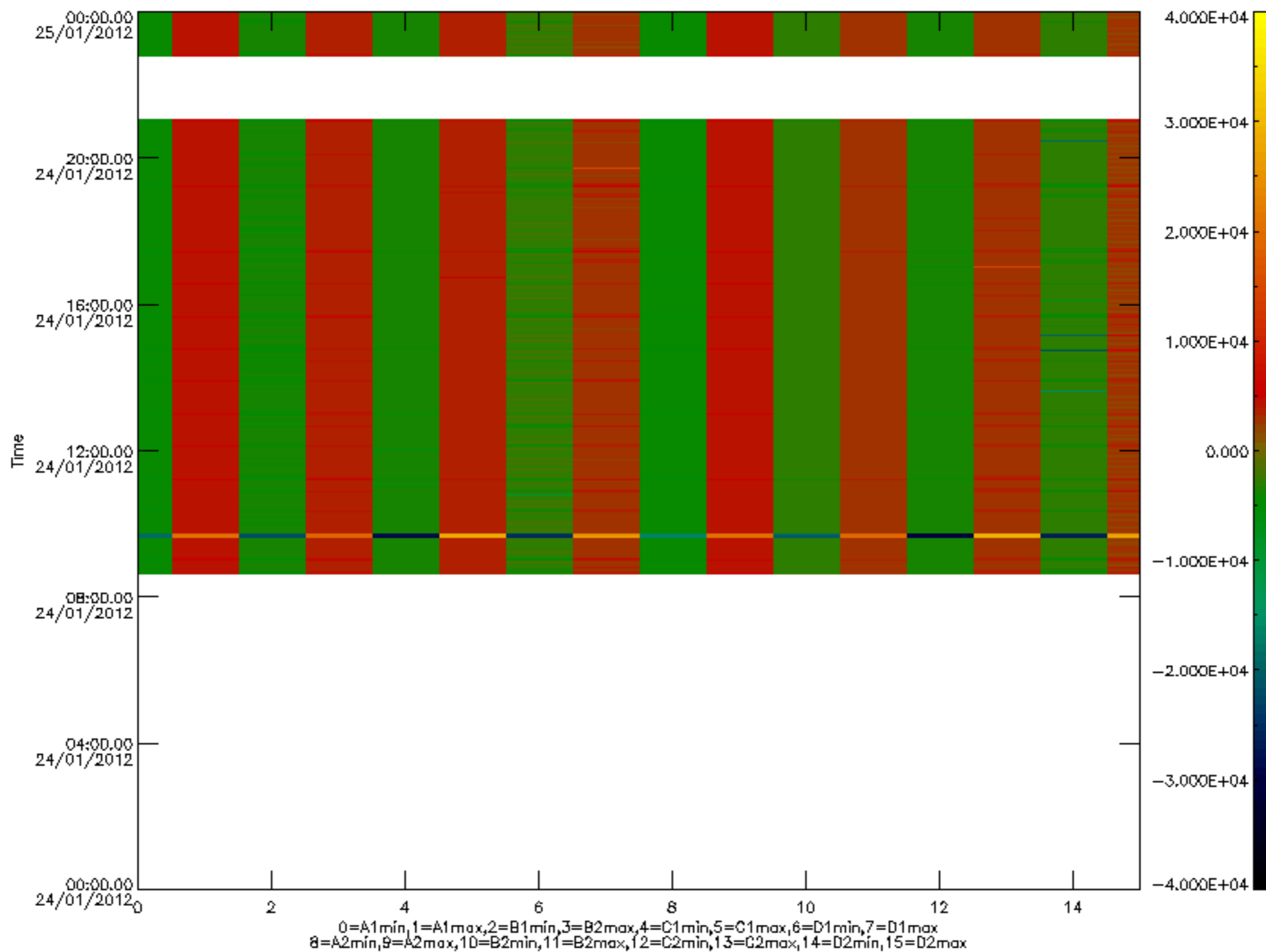


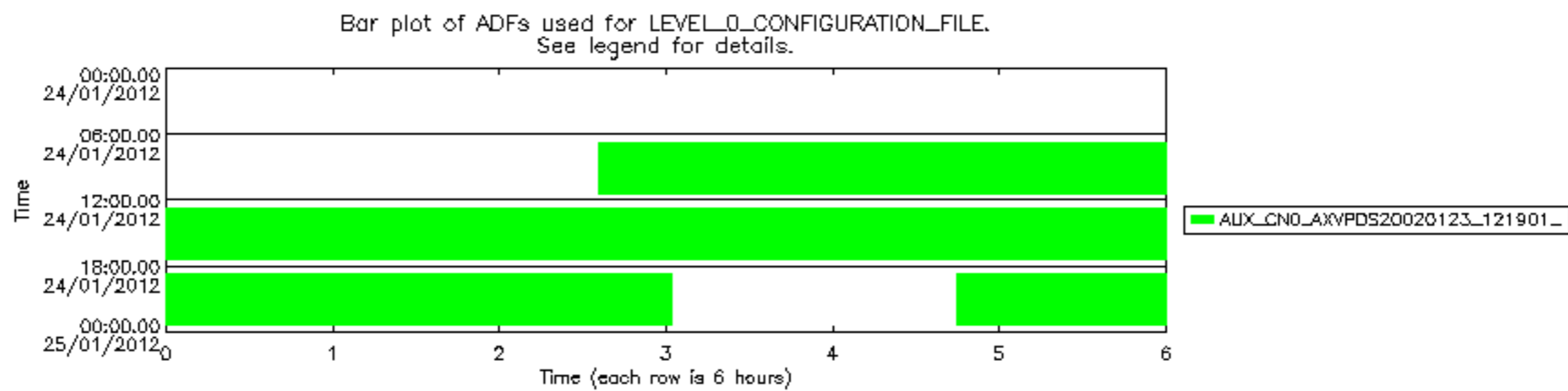






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

