

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	26NOV2010 05:23:56
Data source version	KSPT_L0/4504-N
Processing scope for products	21NOV2010 00:00:00 to 22NOV2010 00:00:00
Start time of first product within scope	21NOV2010 01:24:33
Stop time of last product within scope	22NOV2010 00:51:53
Total number of level 0 products	12
Number of level 0 products with errors	1

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__0PNPDE20101121_012433_000044123096_00347_45620_2061.N1	21NOV2010 01:24:33	21NOV2010 02:38:06	0	0	0	0	0
1	MIP_NL__0PNPDE20101121_023730_000061273096_00348_45621_2062.N1	21NOV2010 02:37:30	21NOV2010 04:19:38	0	0	0	0	0
2	MIP_NL__0PNPDE20101121_041902_000060923096_00349_45622_2063.N1	21NOV2010 04:19:02	21NOV2010 06:00:34	0	0	0	0	0
3	MIP_NL__0PNPDK20101121_055956_000041473096_00350_45623_3331.N1	21NOV2010 05:59:56	21NOV2010 07:09:03	0	0	0	0	0
4	MIP_NL__0PNPDK20101121_070654_000061523096_00351_45624_3332.N1	21NOV2010 07:06:54	21NOV2010 08:49:26	0	0	0	0	0
5	MIP_NL__0PNPDK20101121_084716_000059963096_00352_45625_3333.N1	21NOV2010 08:47:16	21NOV2010 10:27:12	0	0	0	0	0
6	MIP_NL__0PNPDK20101121_152100_000059923096_00356_45629_3337.N1	21NOV2010 15:21:00	21NOV2010 17:00:52	0	0	0	0	0
7	MIP_NL__0PNPDK20101121_165945_000058413096_00357_45630_3338.N1	21NOV2010 16:59:45	21NOV2010 18:37:06	0	0	0	0	0
8	MIP_NL__0PNPDK20101121_183559_000059563096_00358_45631_3340.N1	21NOV2010 18:35:59	21NOV2010 20:15:15	0	0	0	0	0
9	MIP_NL__0PNPDE20101121_201408_000044853096_00359_45632_2064.N1	21NOV2010 20:14:08	21NOV2010 21:28:54	0	0	0	0	0
10	MIP_NL__0PNPDE20101121_212650_000062073096_00359_45632_2065.N1	21NOV2010 21:26:50	21NOV2010 23:10:17	1	1	0	0	0
11	MIP_NL__0PNPDE20101121_230908_000061653096_00360_45633_2066.N1	21NOV2010 23:09:08	22NOV2010 00:51:53	0	0	0	0	0

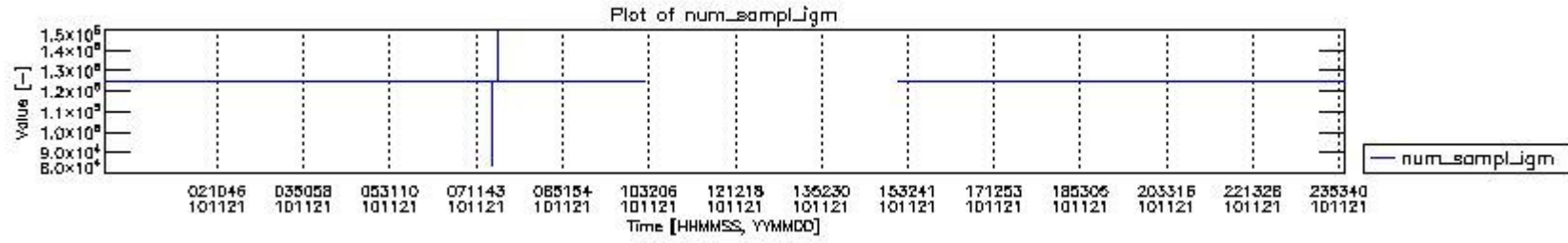
0.2 Instrument Operational Performance Parameters

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.

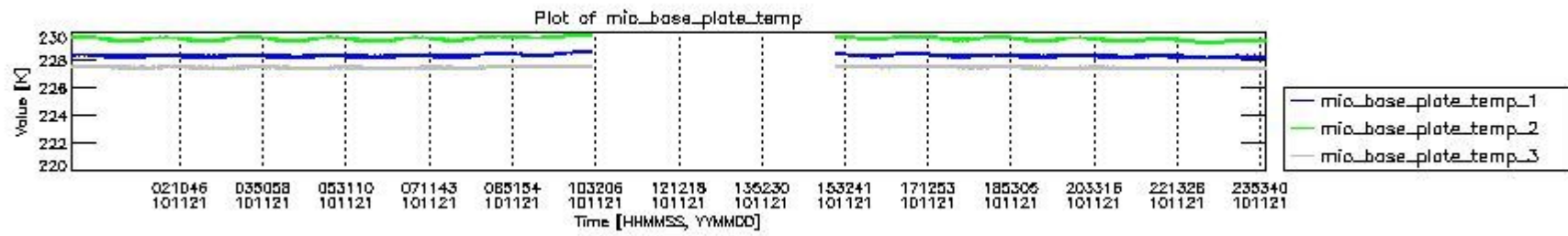
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
83636	1	0.0030148633
94152	1	0.0030148633
114284	1	0.0030148633
124800	30811	92.890952
124803	2352	7.0909584
126936	1	0.0030148633

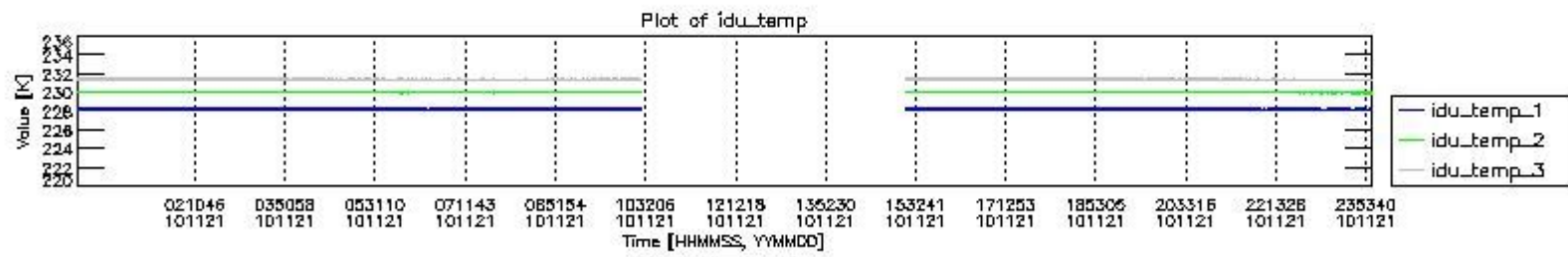
147068	1	0.0030148633
149204	1	0.0030148633



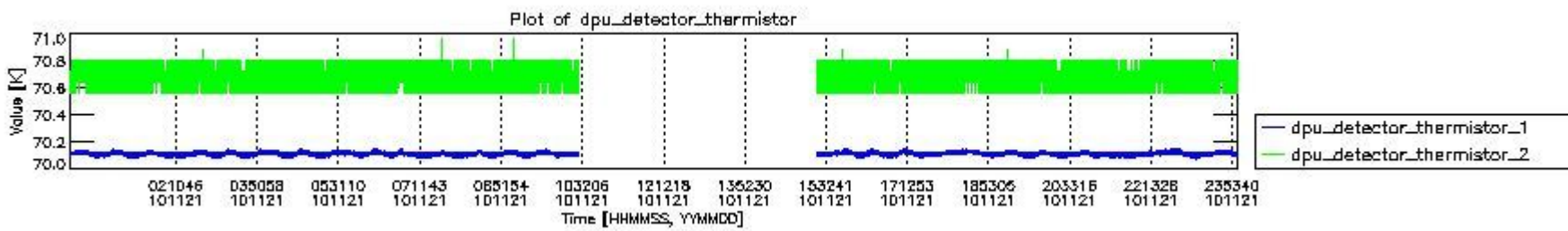
mipas_daily_report_level0_KSPT_L0_4504_N_20101121_0.PNG



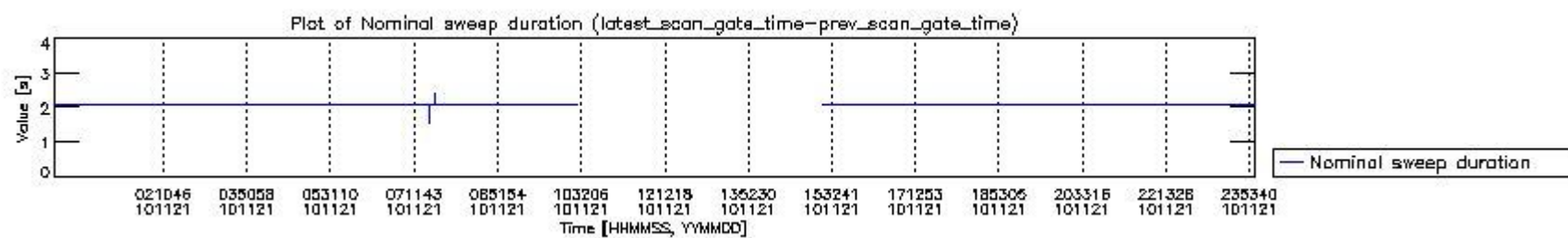
mipas_daily_report_level0_KSPT_L0_4504_N_20101121_1.PNG



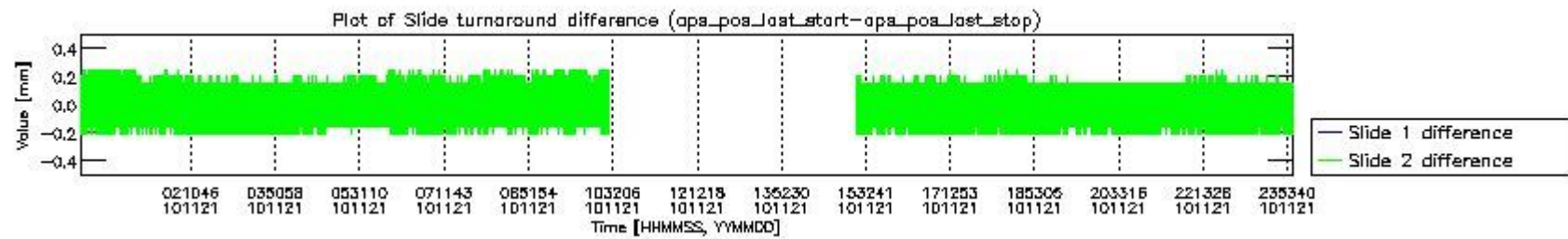
mipas_daily_report_level0_KSPT_L0_4504_N_20101121_2.PNG



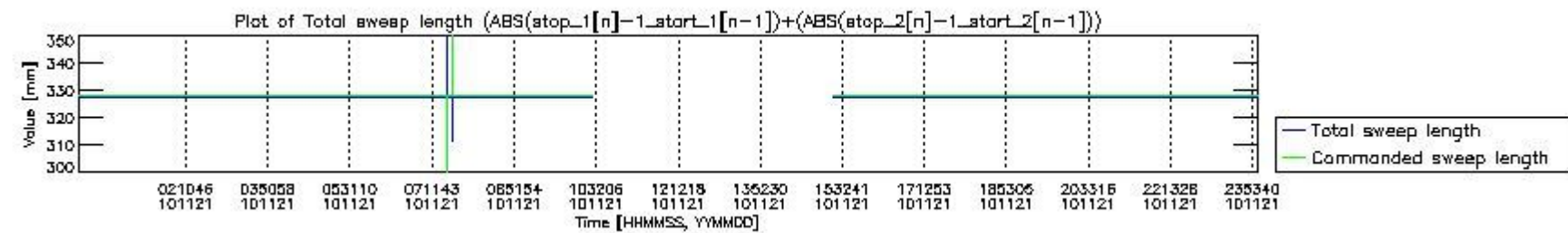
mipas_daily_report_level0_KSPT_L0_4504_N_20101121_3.PNG



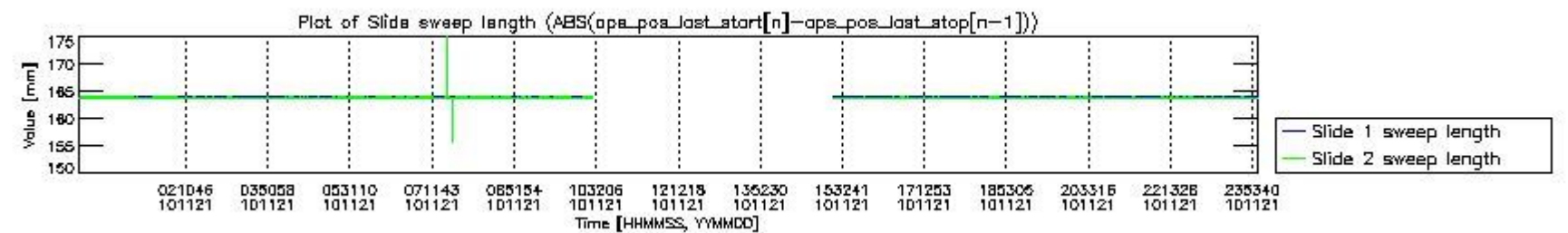
mipas_daily_report_level0_KSPT_L0_4504_N_20101121_4.PNG



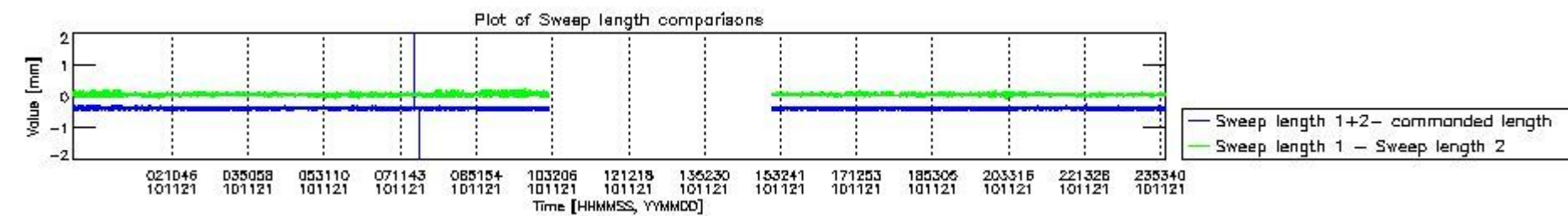
mipas_daily_report_level0_KSPT_L0_4504_N_20101121_5.PNG



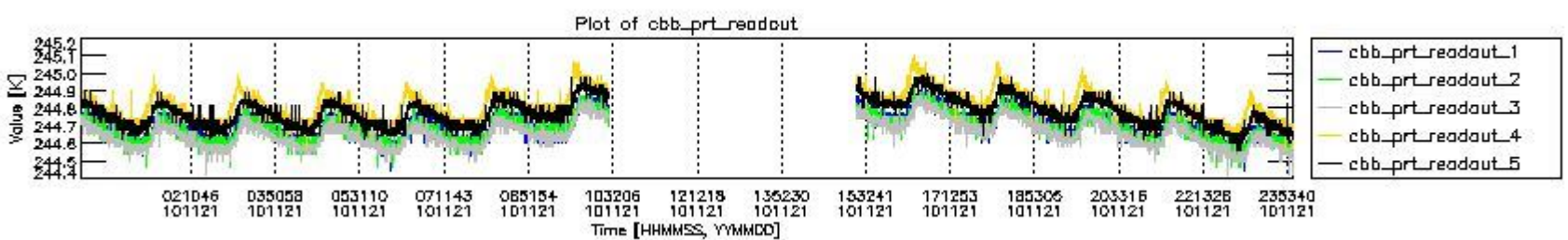
mipas_daily_report_level0_KSPT_L0_4504_N_20101121_6.PNG



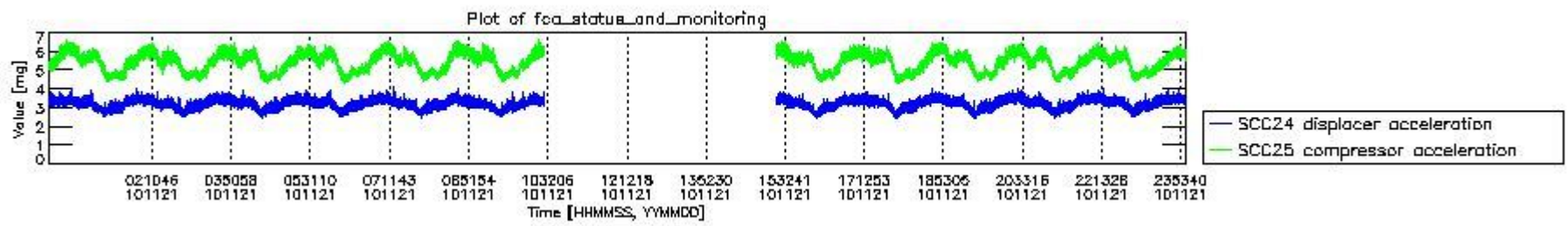
mipas_daily_report_level0_KSPT_L0_4504_N_20101121_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101121_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101121_9.PNG

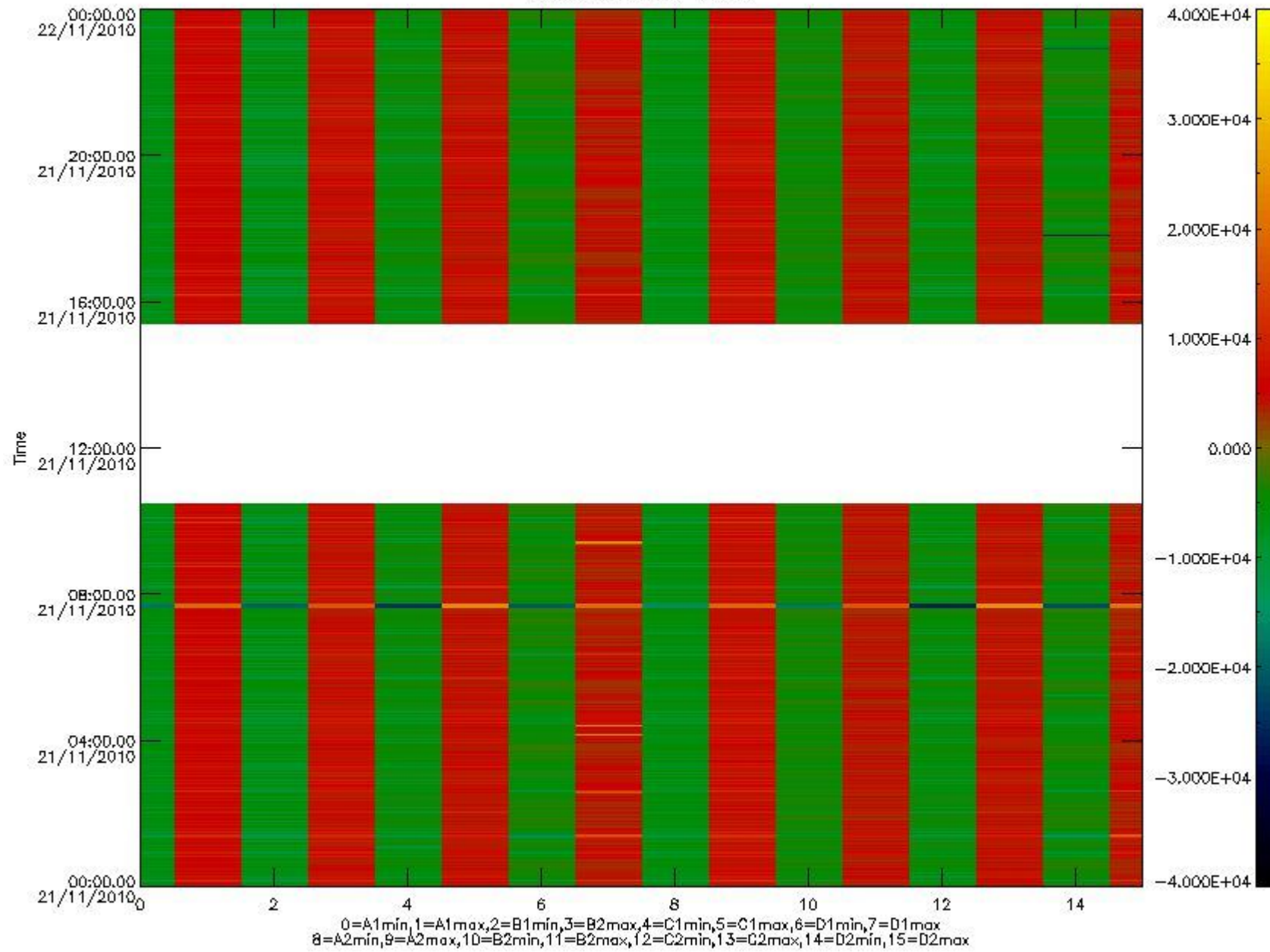


mipas_daily_report_level0_KSPT_L0_4504_N_20101121_10.PNG

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

Channel	Min	Max	ADC
A1	-18589	19771	16bit
B1	-20629	17724	16bit
C1	-25048	25023	16bit
D1	-32768	32767	16bit
A2	-16053	19893	16bit
B2	-18751	18339	16bit
C2	-26034	25701	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_20101121_11.PNG

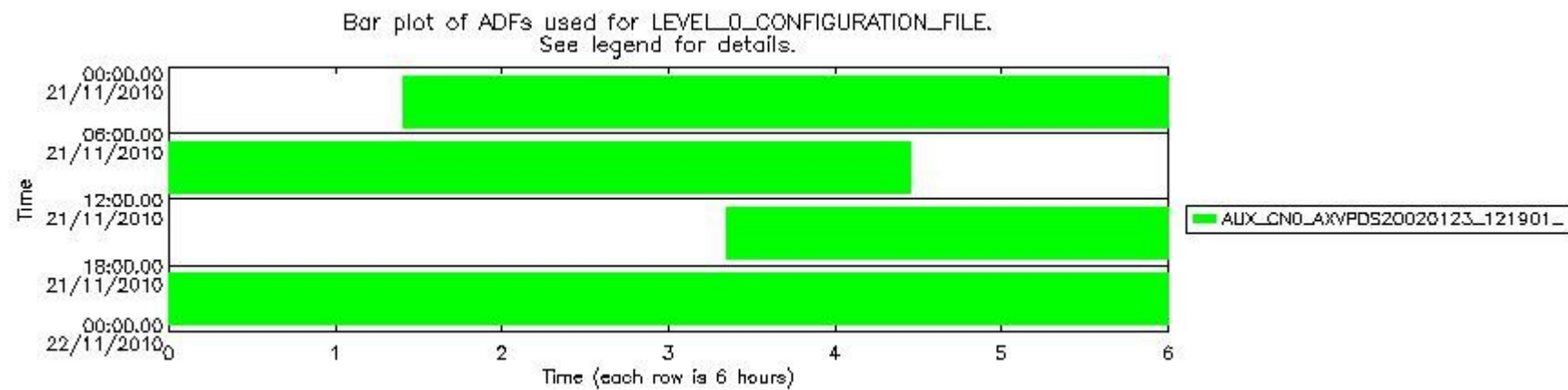
0.3 ADF monitoring

The use of ADFs is shown in two ways:

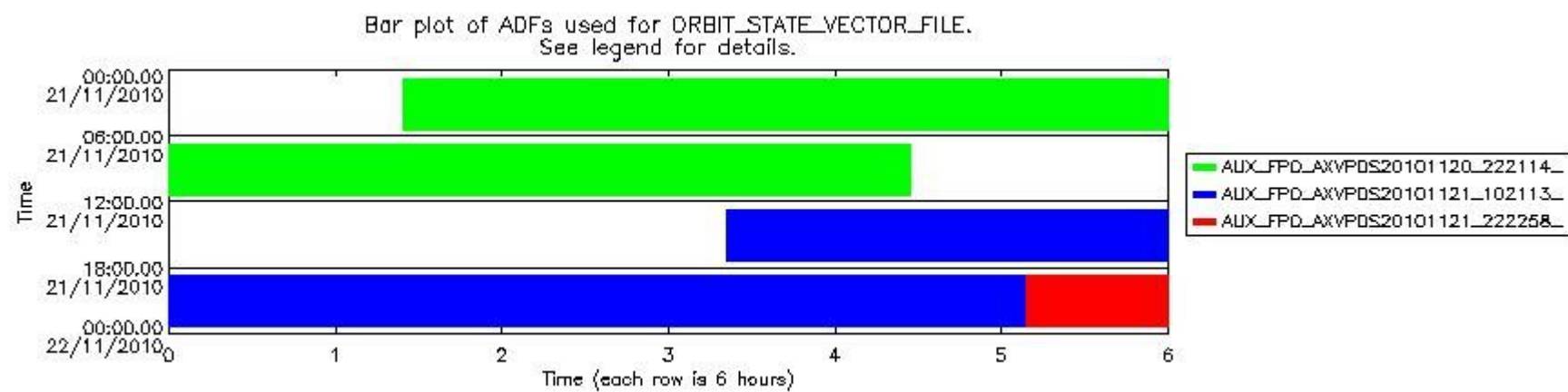
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101120_222114_20101119_193438_20101129_200818
2	AUX_FPO_AXVPDS20101121_102113_20101120_185754_20101130_211149
3	AUX_FPO_AXVPDS20101121_222258_20101121_114014_20101201_135408

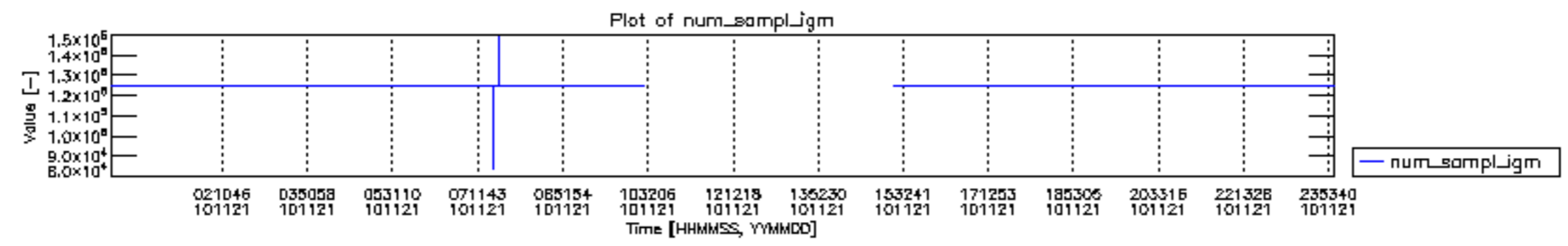
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20101121_012433_000044123096_00347_45620_2061.N1	0	1
1	MIP_NL__0PNPDE20101121_023730_000061273096_00348_45621_2062.N1	0	1
2	MIP_NL__0PNPDE20101121_041902_000060923096_00349_45622_2063.N1	0	1
3	MIP_NL__0PNPDK20101121_055956_000041473096_00350_45623_3331.N1	0	1
4	MIP_NL__0PNPDK20101121_070654_000061523096_00351_45624_3332.N1	0	1
5	MIP_NL__0PNPDK20101121_084716_000059963096_00352_45625_3333.N1	0	1
6	MIP_NL__0PNPDK20101121_152100_000059923096_00356_45629_3337.N1	0	2
7	MIP_NL__0PNPDK20101121_165945_000058413096_00357_45630_3338.N1	0	2
8	MIP_NL__0PNPDK20101121_183559_000059563096_00358_45631_3340.N1	0	2
9	MIP_NL__0PNPDE20101121_201408_000044853096_00359_45632_2064.N1	0	2
10	MIP_NL__0PNPDE20101121_212650_000062073096_00359_45632_2065.N1	0	2
11	MIP_NL__0PNPDE20101121_230908_000061653096_00360_45633_2066.N1	0	3

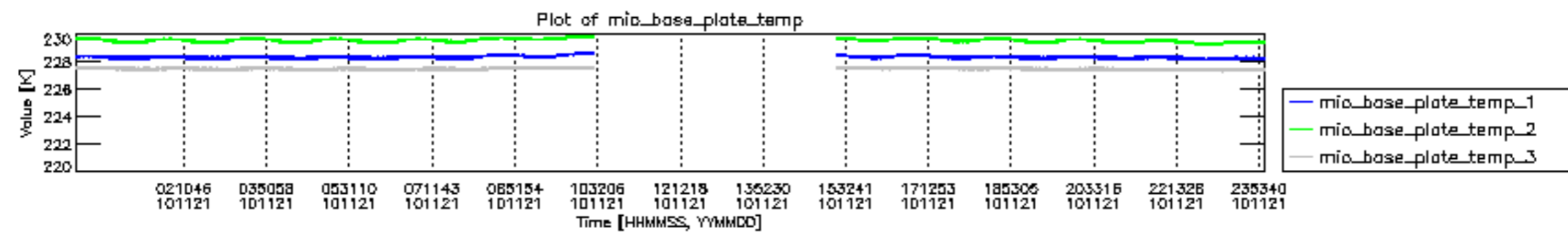


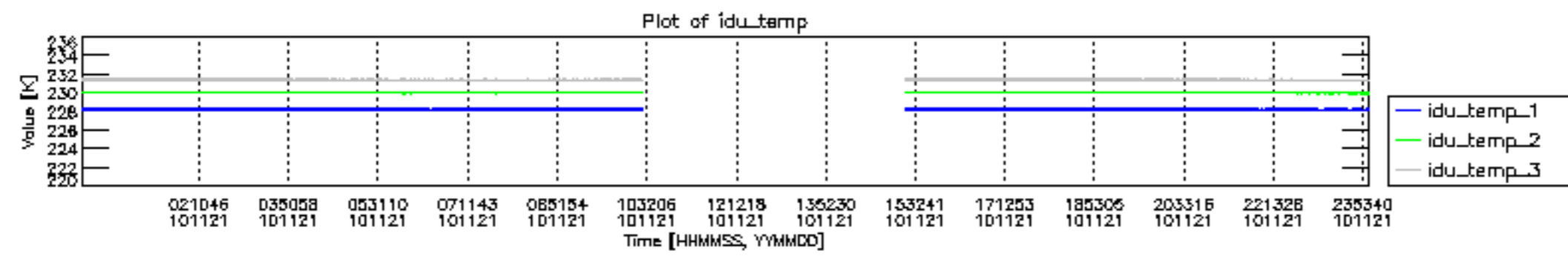
mipas_daily_report_level0_KSPT_L0_4504_N_20101121_12.PNG

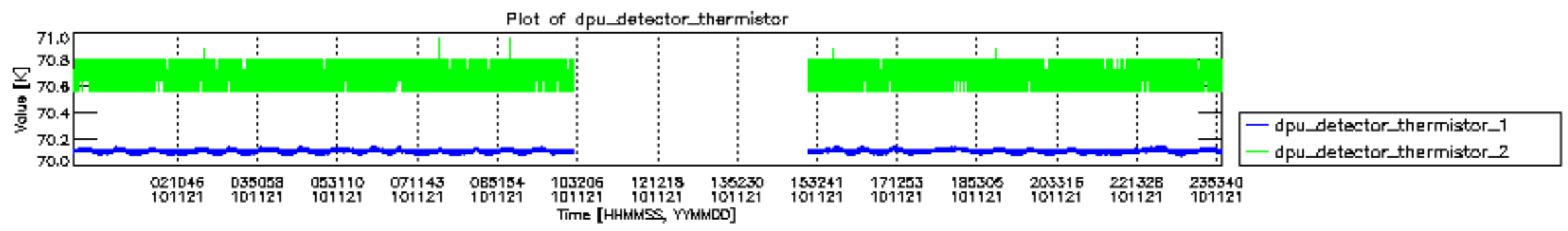


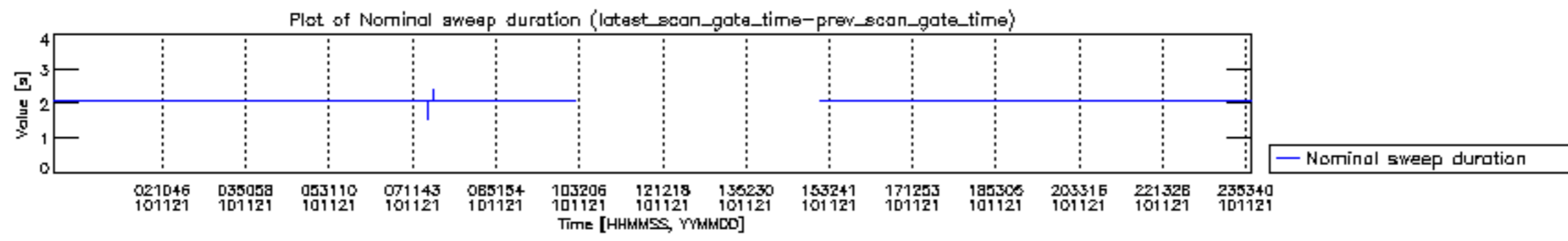
mipas_daily_report_level0_KSPT_L0_4504_N_20101121_13.PNG

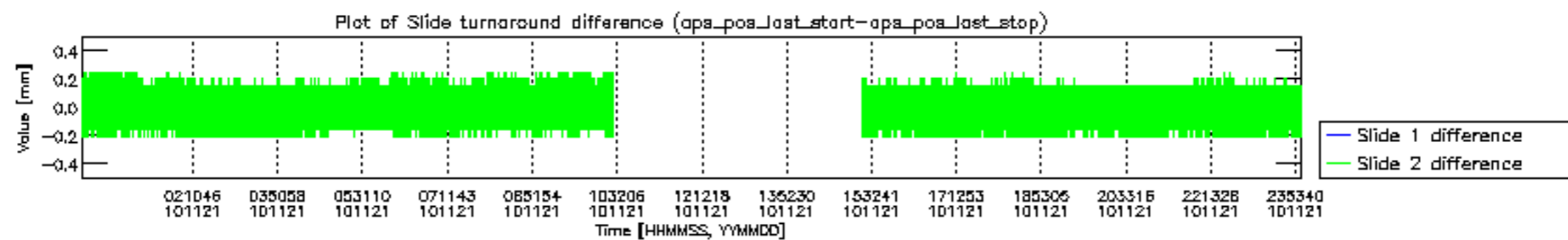


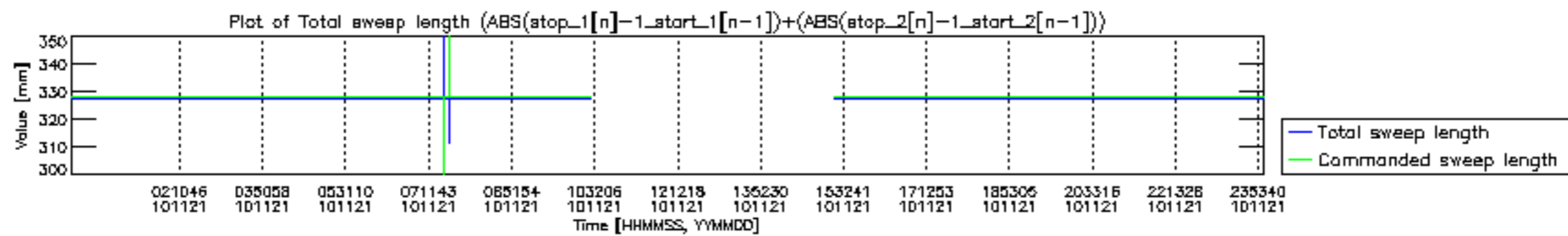


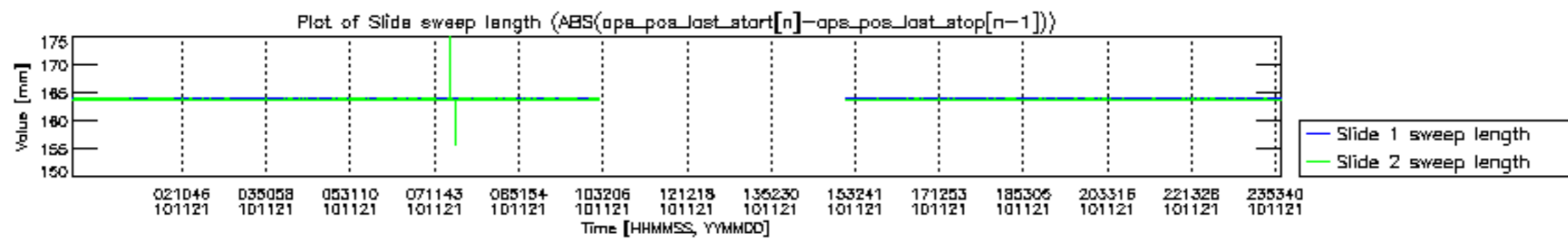


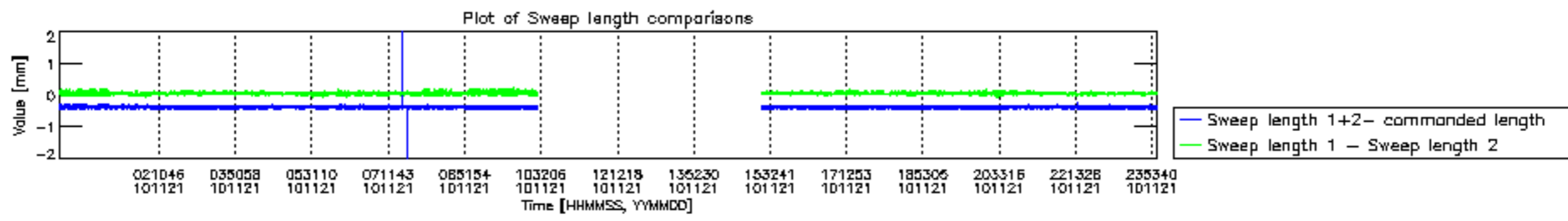


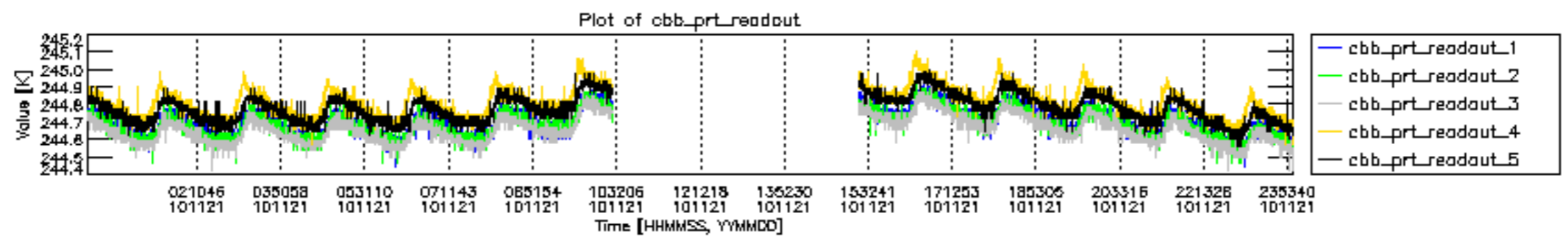


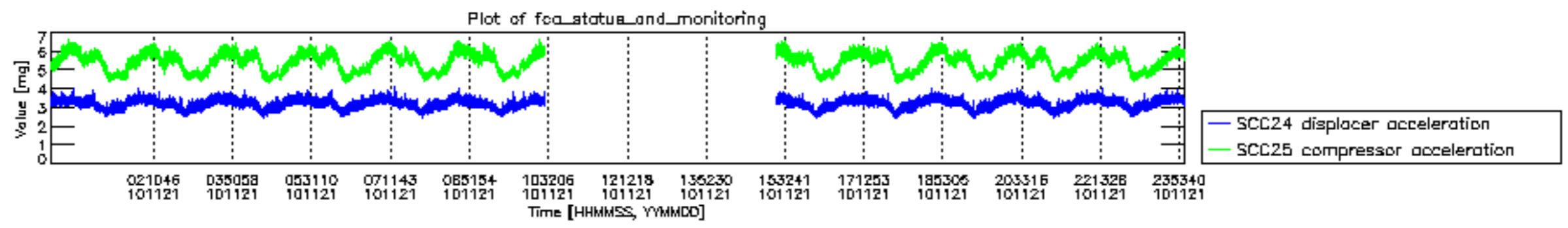




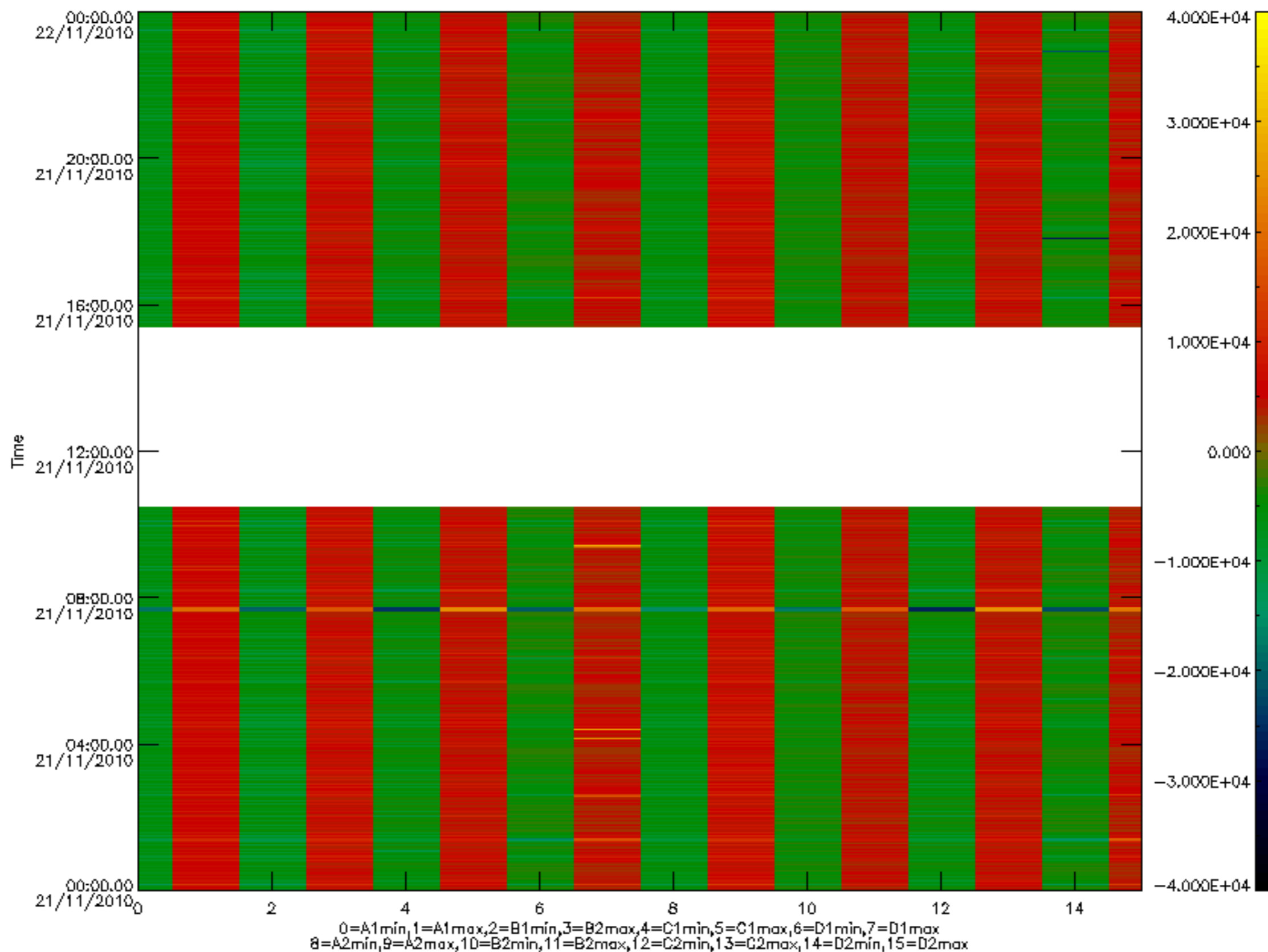


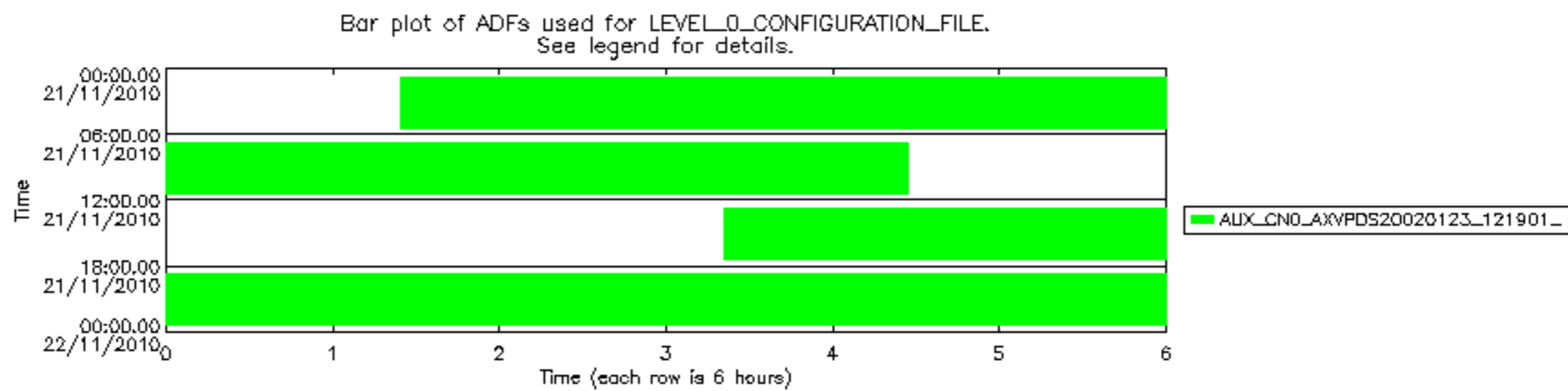






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

