

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	12DEC2010 05:24:55
Data source version	KSPT_L0/4504-N
Processing scope for products	07DEC2010 00:00:00 to 08DEC2010 00:00:00
Start time of first product within scope	07DEC2010 00:00:41
Stop time of last product within scope	08DEC2010 01:05:05
Total number of level 0 products	15
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__0PNPDE20101207_000041_000059413097_00145_45849_2446.N1	07DEC2010 00:00:41	07DEC2010 01:39:43	0	0	0	0	0
1	MIP_NL__0PNPDE20101207_013846_000043773097_00146_45850_2447.N1	07DEC2010 01:38:46	07DEC2010 02:51:43	0	0	0	0	0
2	MIP_NL__0PNPDE20101207_025110_000062033097_00147_45851_2448.N1	07DEC2010 02:51:10	07DEC2010 04:34:32	0	0	0	0	0
3	MIP_NL__0PNPDE20101207_043359_000060333097_00148_45852_2449.N1	07DEC2010 04:33:59	07DEC2010 06:14:32	0	0	0	0	0
4	MIP_NL__0PNPDK20101207_061358_000023923097_00149_45853_3484.N1	07DEC2010 06:13:58	07DEC2010 06:53:50	0	0	0	0	0
5	MIP_NL__0PNPDK20101207_101358_000015603097_00152_45856_3485.N1	07DEC2010 10:13:58	07DEC2010 10:39:58	0	0	0	0	0
6	MIP_NL__0PNPDK20101207_103827_000061063097_00152_45856_3486.N1	07DEC2010 10:38:27	07DEC2010 12:20:12	0	0	0	0	0
7	MIP_NL__0PNPDK20101207_121840_000059583097_00153_45857_3487.N1	07DEC2010 12:18:40	07DEC2010 13:57:58	0	0	0	0	0
8	MIP_NL__0PNPDK20101207_135714_000059963097_00154_45858_3488.N1	07DEC2010 13:57:14	07DEC2010 15:37:10	0	0	0	0	0
9	MIP_NL__0PNPDK20101207_153624_000057953097_00155_45859_3489.N1	07DEC2010 15:36:24	07DEC2010 17:12:59	0	0	0	0	0
10	MIP_NL__0PNPDK20101207_171144_000059773097_00156_45860_3490.N1	07DEC2010 17:11:44	07DEC2010 18:51:21	0	0	0	0	0
11	MIP_NL__0PNPDK20101207_185014_000061193097_00157_45861_3491.N1	07DEC2010 18:50:14	07DEC2010 20:32:13	0	0	0	0	0
12	MIP_NL__0PNPDE20101207_203014_000043063097_00158_45862_2450.N1	07DEC2010 20:30:14	07DEC2010 21:41:59	0	0	0	0	0
13	MIP_NL__0PNPDE20101207_214054_000061983097_00158_45862_2451.N1	07DEC2010 21:40:54	07DEC2010 23:24:13	0	0	0	0	0
14	MIP_NL__0PNPDE20101207_232310_000061153097_00159_45863_2452.N1	07DEC2010 23:23:10	08DEC2010 01:05:05	0	0	0	0	0

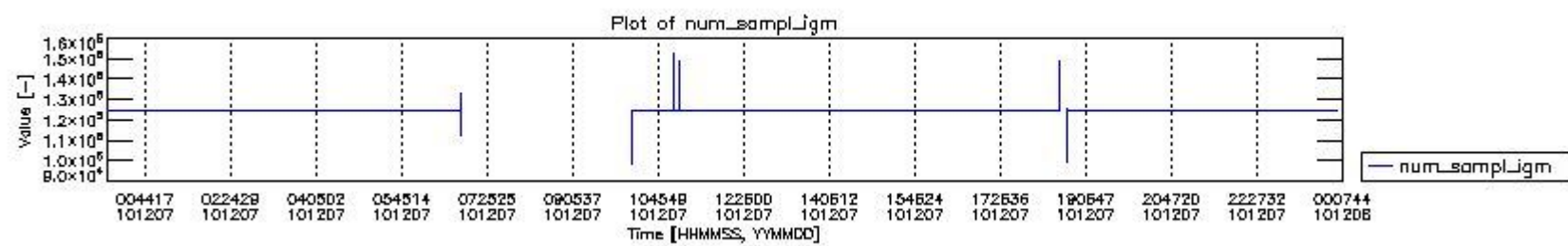
0.2 Instrument Operational Performance Parameters

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.

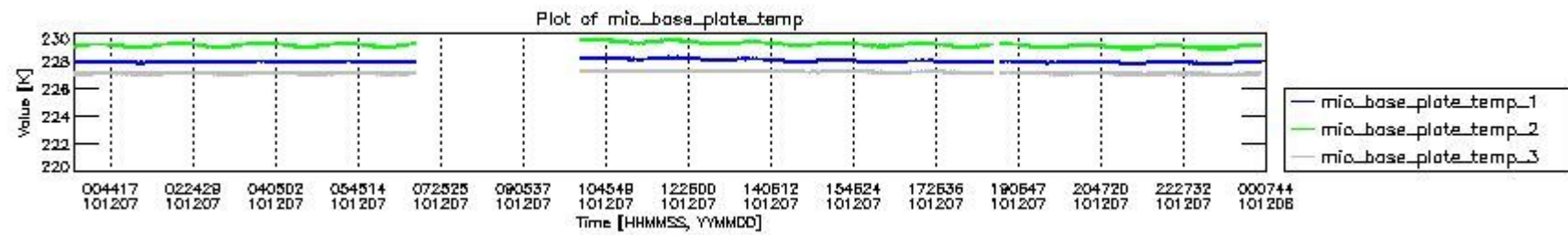
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98847	1	0.0028080422
99739	1	0.0028080422
112365	1	0.0028080422

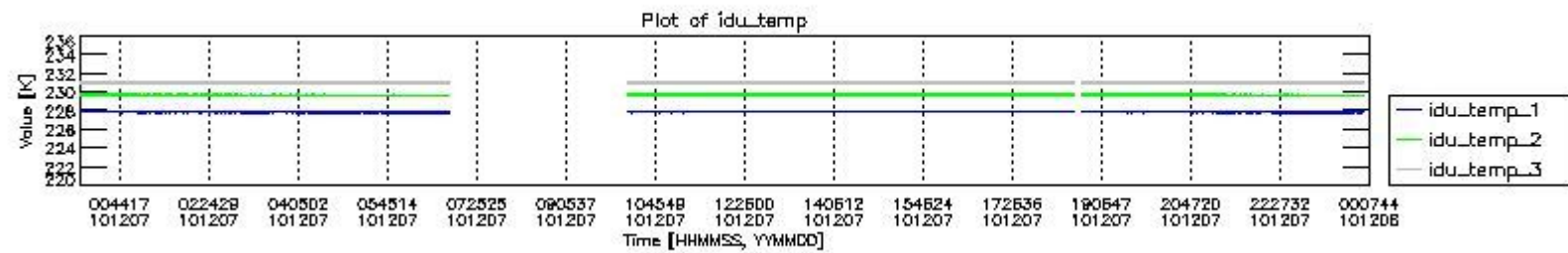
120062	1	0.0028080422
123398	1	0.0028080422
124099	1	0.0028080422
124800	33067	92.853533
124803	2527	7.0959227
124991	1	0.0028080422
125182	1	0.0028080422
126787	1	0.0028080422
126862	1	0.0028080422
128497	1	0.0028080422
132497	1	0.0028080422
146919	1	0.0028080422
146994	1	0.0028080422
148629	1	0.0028080422
148906	1	0.0028080422
149056	1	0.0028080422
152326	1	0.0028080422



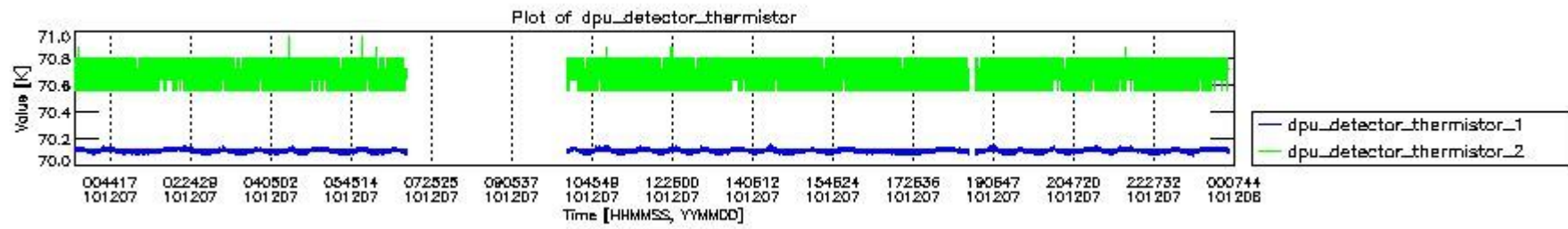
mipas_daily_report_level0_KSPT_L0_4504_N_20101207_0.PNG



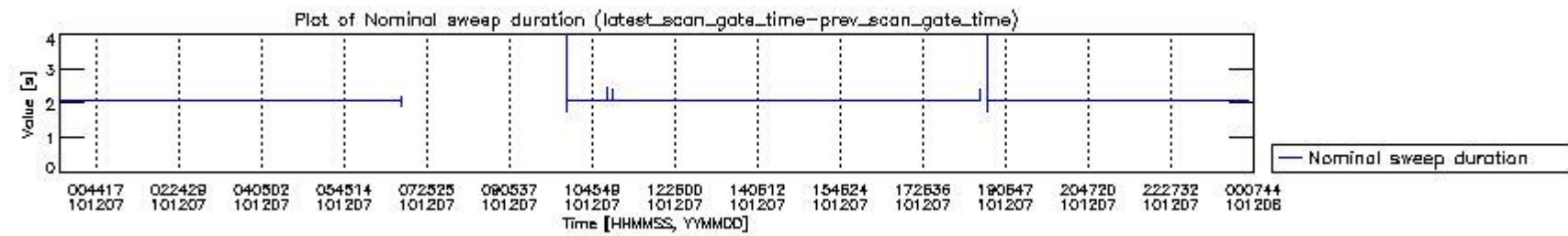
mipas_daily_report_level0_KSPT_L0_4504_N_20101207_1.PNG



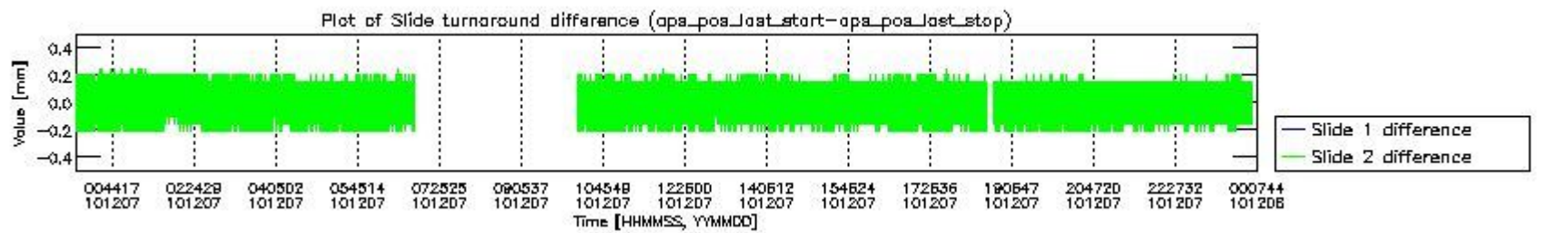
mipas_daily_report_level0_KSPT_L0_4504_N_20101207_2.PNG



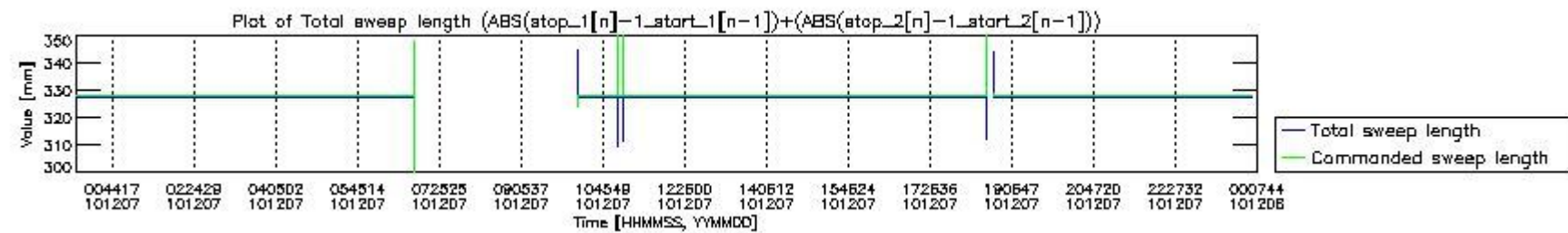
mipas_daily_report_level0_KSPT_L0_4504_N_20101207_3.PNG



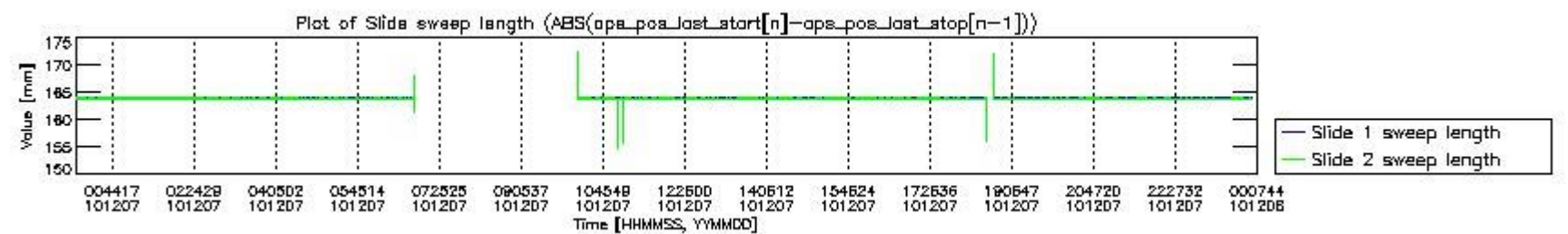
mipas_daily_report_level0_KSPT_L0_4504_N_20101207_4.PNG



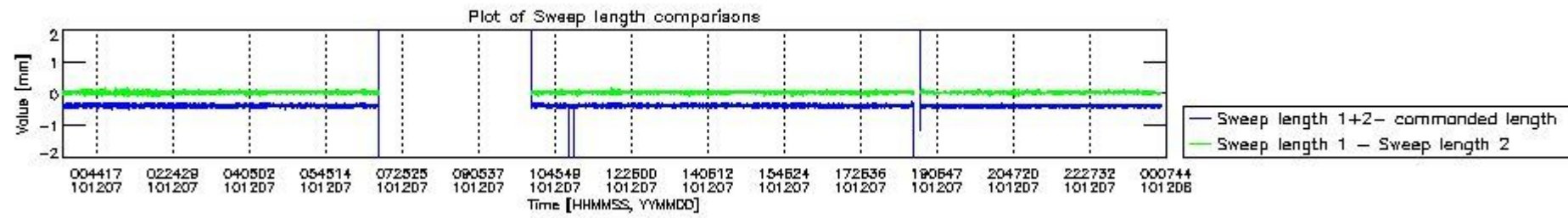
mipas_daily_report_level0_KSPT_L0_4504_N_20101207_5.PNG



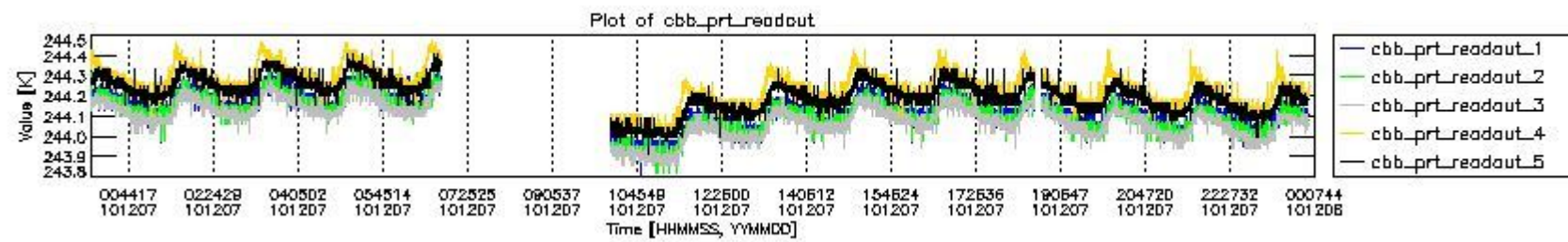
mipas_daily_report_level0_KSPT_L0_4504_N_20101207_6.PNG



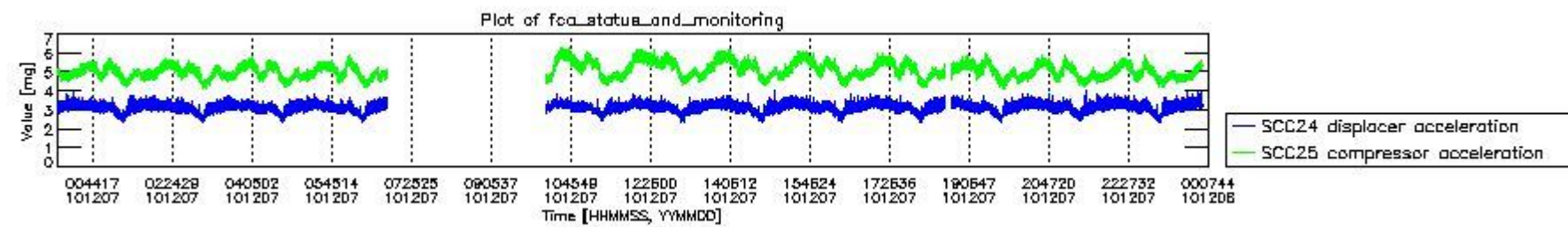
mipas_daily_report_level0_KSPT_L0_4504_N_20101207_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101207_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101207_9.PNG

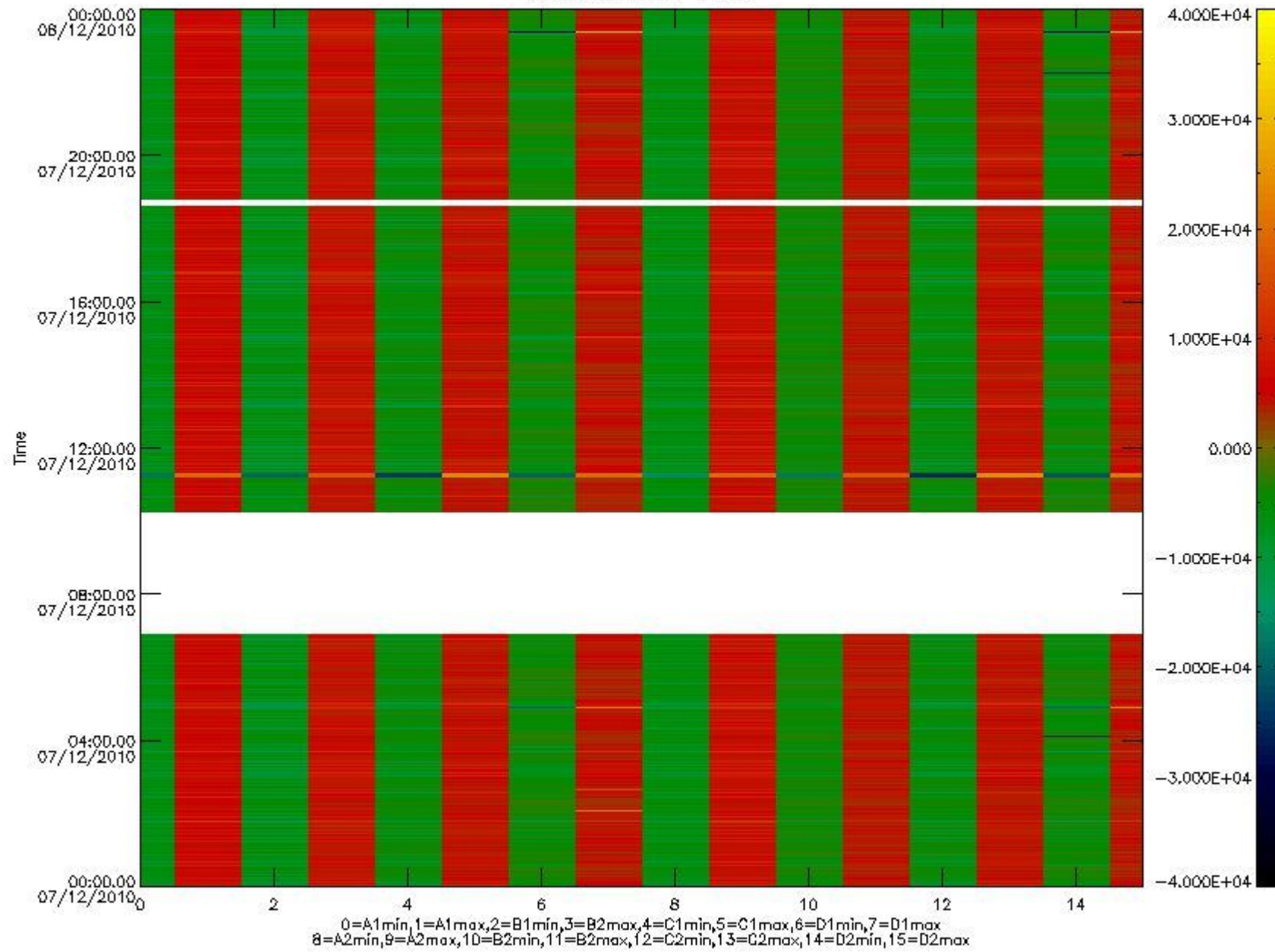


mipas_daily_report_level0_KSPT_L0_4504_N_20101207_10.PNG

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

Channel	Min	Max	ADC
A1	-32768	32767	16bit
B1	-32768	32767	16bit
C1	-24880	24218	16bit
D1	-32768	32767	16bit
A2	-32768	28265	16bit
B2	-32768	32767	16bit
C2	-25271	24929	16bit
D2	-32768	32767	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20101207_11.PNG

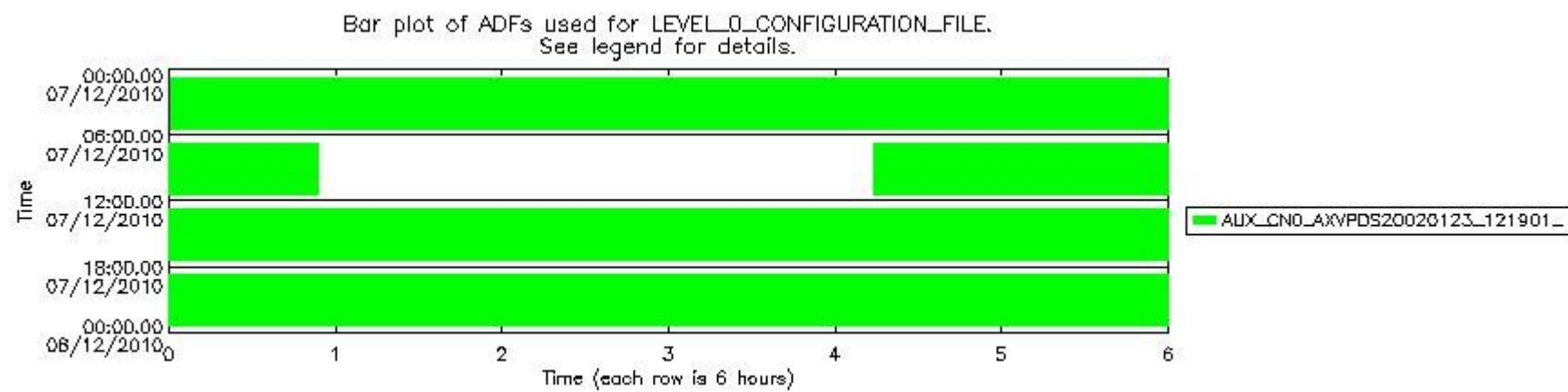
0.3 ADF monitoring

The use of ADFs is shown in two ways:

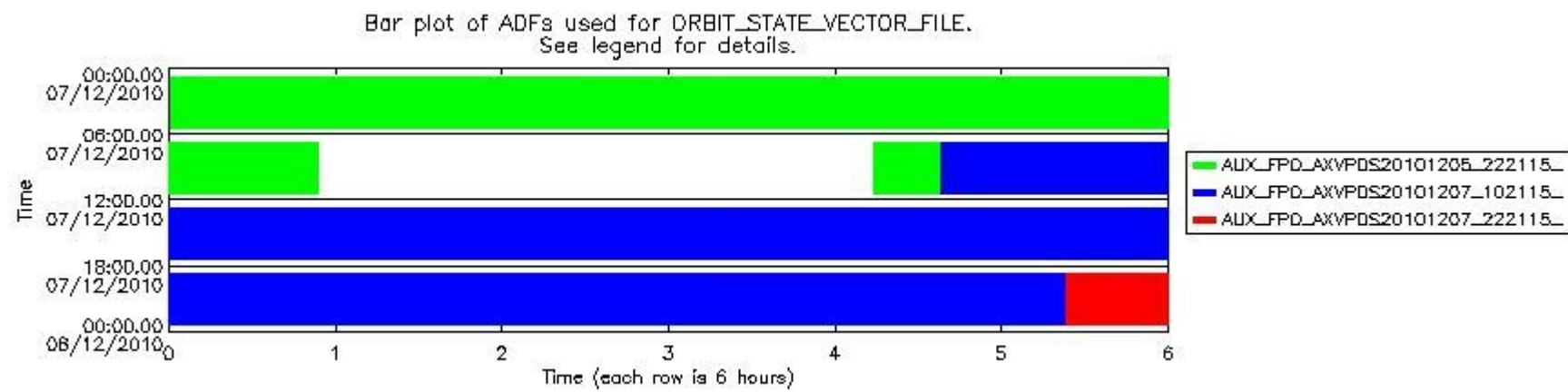
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101205_222115_20101205_194825_20101215_202205
2	AUX_FPO_AXVPDS20101207_102115_20101206_191141_20101216_212535
3	AUX_FPO_AXVPDS20101207_222115_20101207_183458_20101217_204851

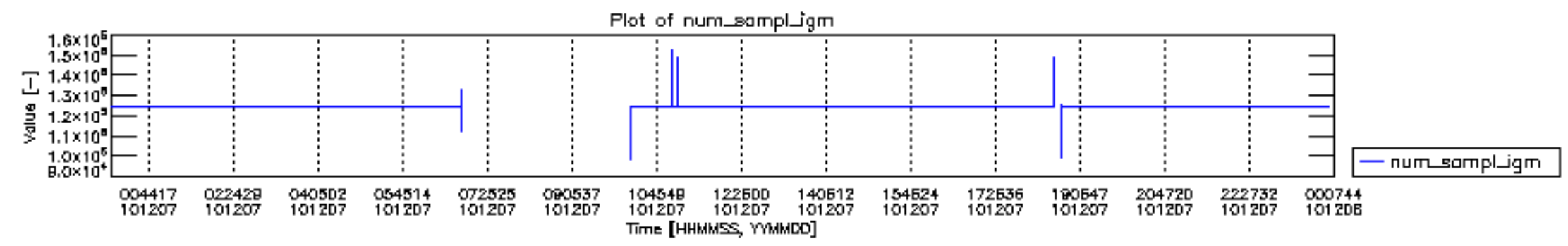
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20101207_000041_000059413097_00145_45849_2446.N1	0	1
1	MIP_NL__0PNPDE20101207_013846_000043773097_00146_45850_2447.N1	0	1
2	MIP_NL__0PNPDE20101207_025110_000062033097_00147_45851_2448.N1	0	1
3	MIP_NL__0PNPDE20101207_043359_000060333097_00148_45852_2449.N1	0	1
4	MIP_NL__0PNPDK20101207_061358_000023923097_00149_45853_3484.N1	0	1
5	MIP_NL__0PNPDK20101207_101358_000015603097_00152_45856_3485.N1	0	1
6	MIP_NL__0PNPDK20101207_103827_000061063097_00152_45856_3486.N1	0	2
7	MIP_NL__0PNPDK20101207_121840_000059583097_00153_45857_3487.N1	0	2
8	MIP_NL__0PNPDK20101207_135714_000059963097_00154_45858_3488.N1	0	2
9	MIP_NL__0PNPDK20101207_153624_000057953097_00155_45859_3489.N1	0	2
10	MIP_NL__0PNPDK20101207_171144_000059773097_00156_45860_3490.N1	0	2
11	MIP_NL__0PNPDK20101207_185014_000061193097_00157_45861_3491.N1	0	2
12	MIP_NL__0PNPDE20101207_203014_000043063097_00158_45862_2450.N1	0	2
13	MIP_NL__0PNPDE20101207_214054_000061983097_00158_45862_2451.N1	0	2
14	MIP_NL__0PNPDE20101207_232310_000061153097_00159_45863_2452.N1	0	3

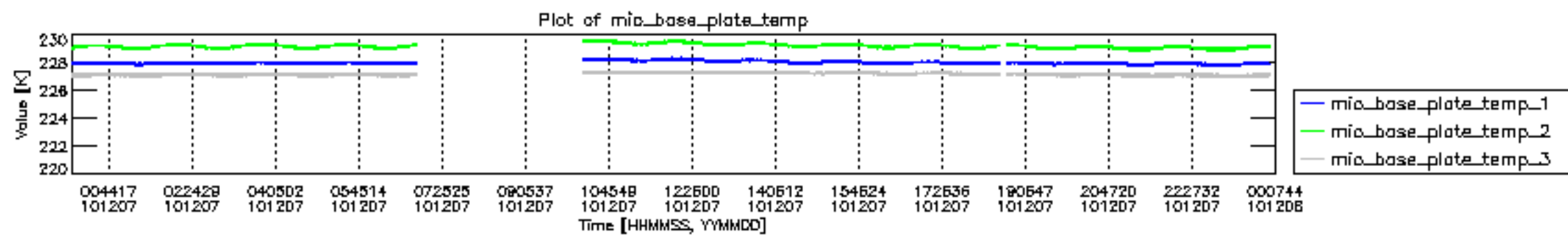


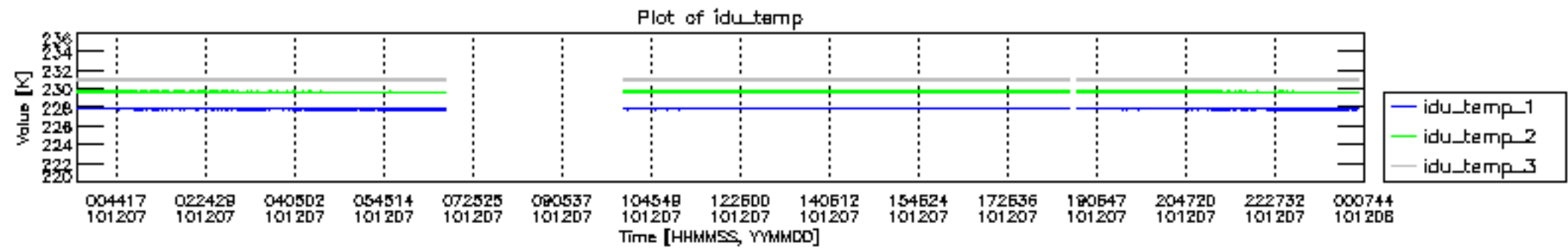
mipas_daily_report_level0_KSPT_L0_4504_N_20101207_12.PNG

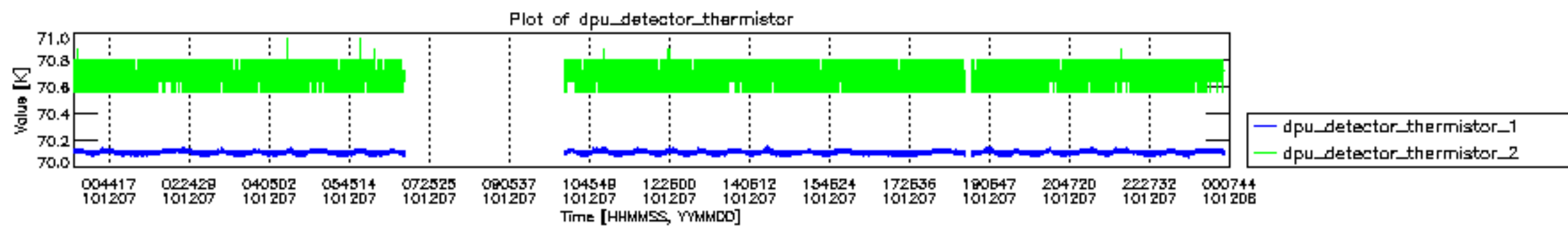


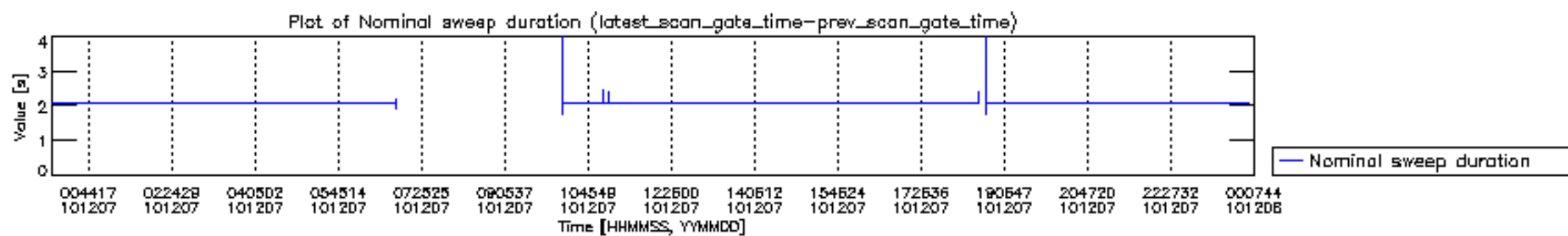
mipas_daily_report_level0_KSPT_L0_4504_N_20101207_13.PNG

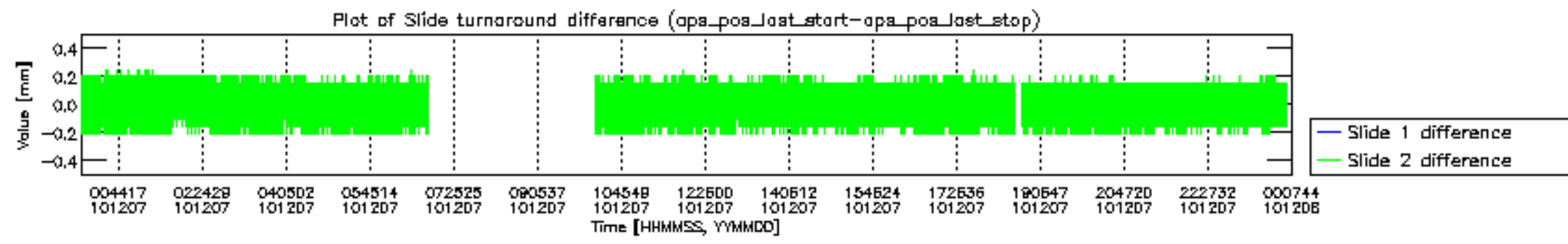


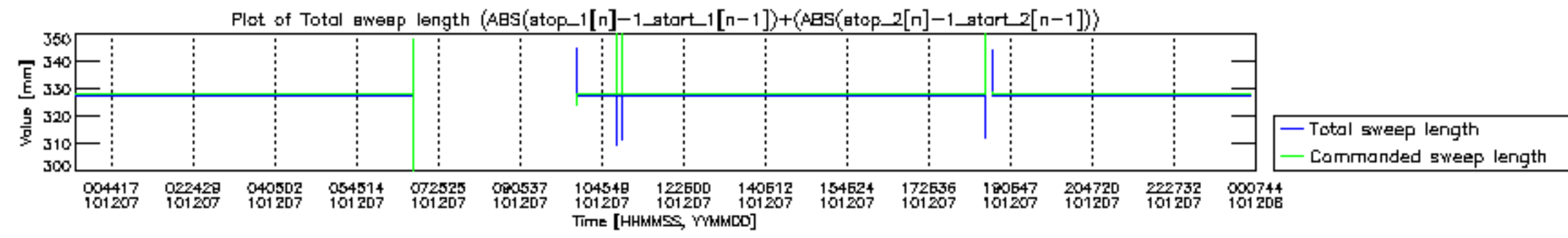


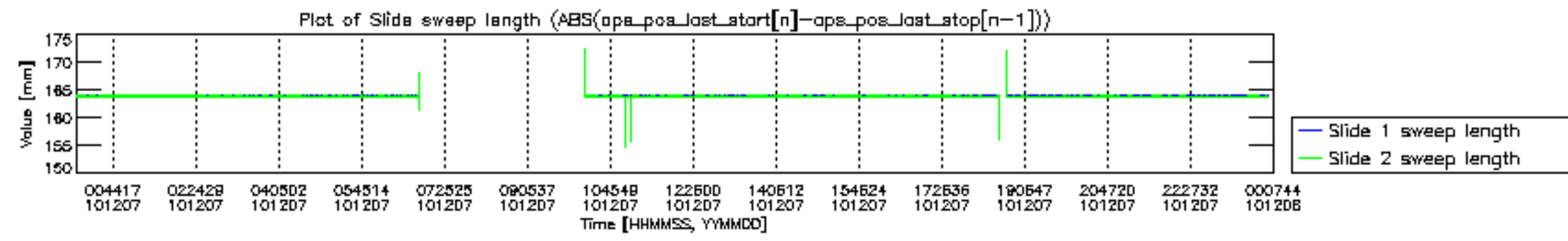


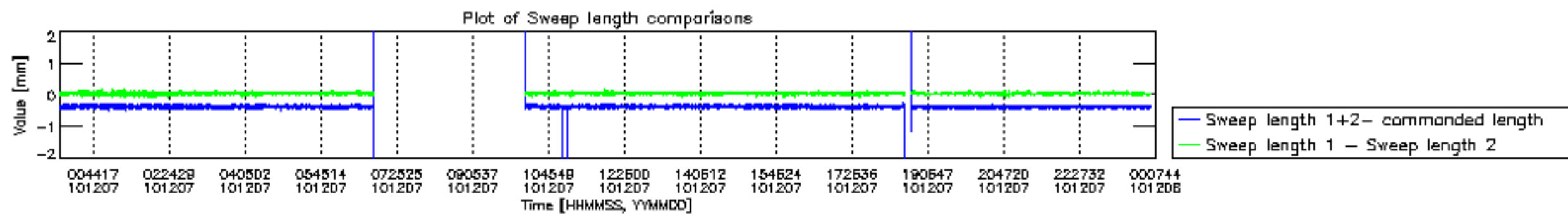


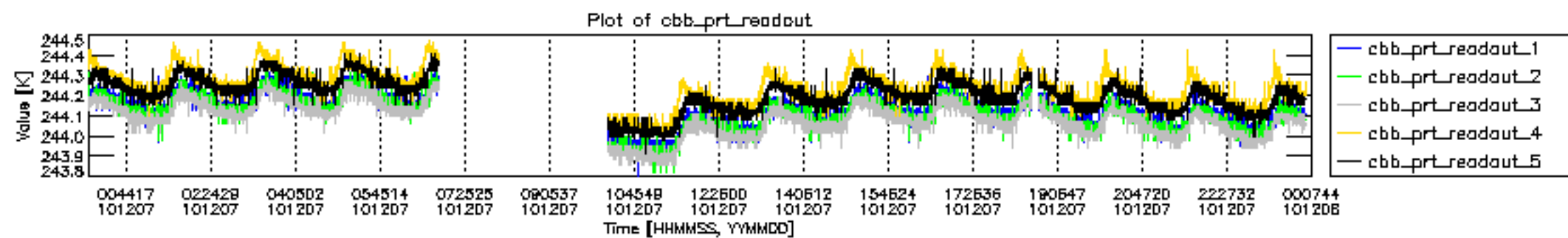


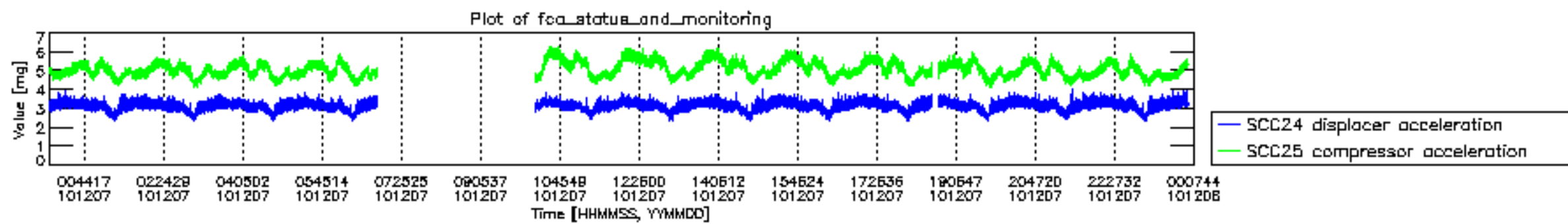




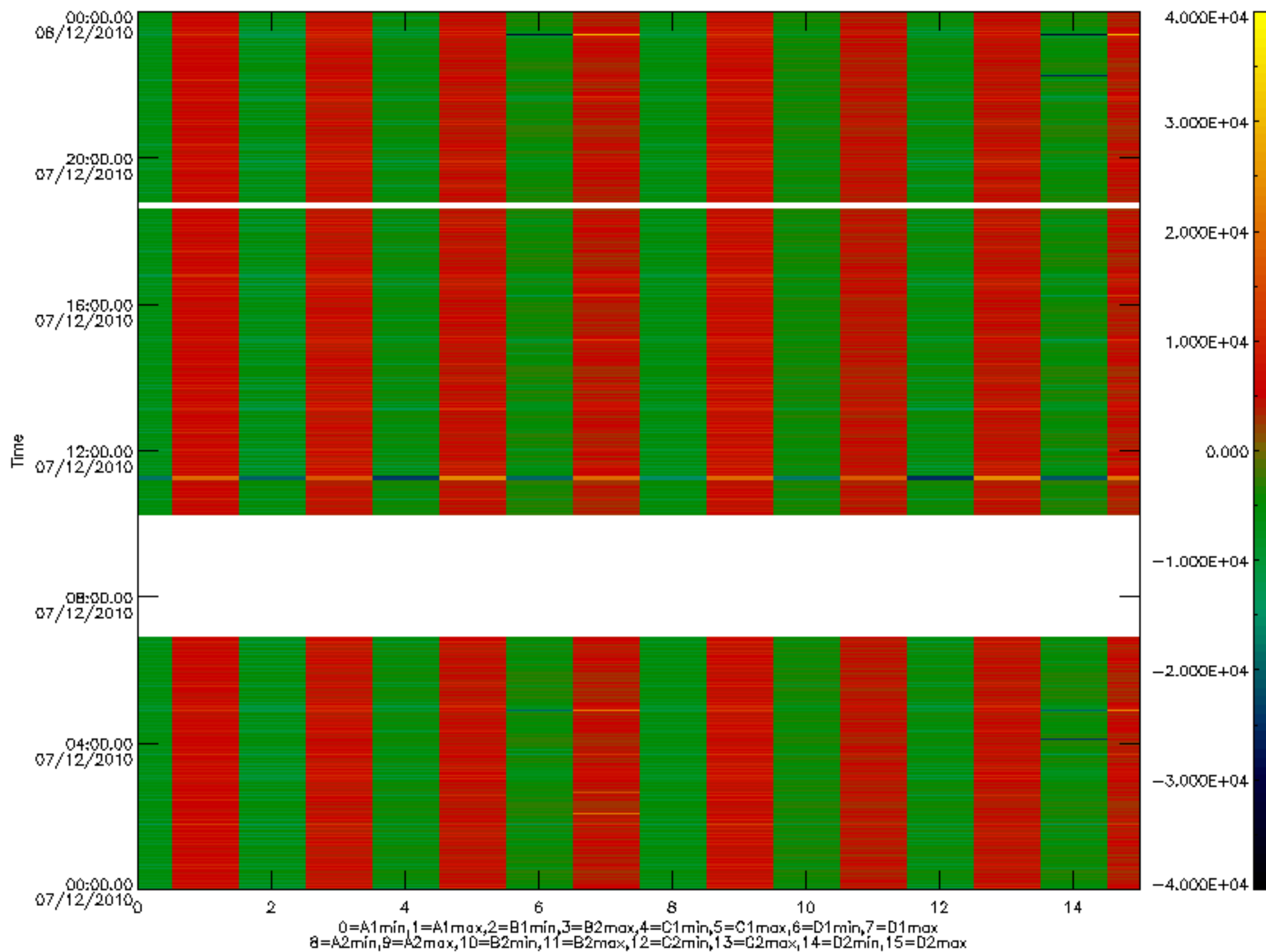


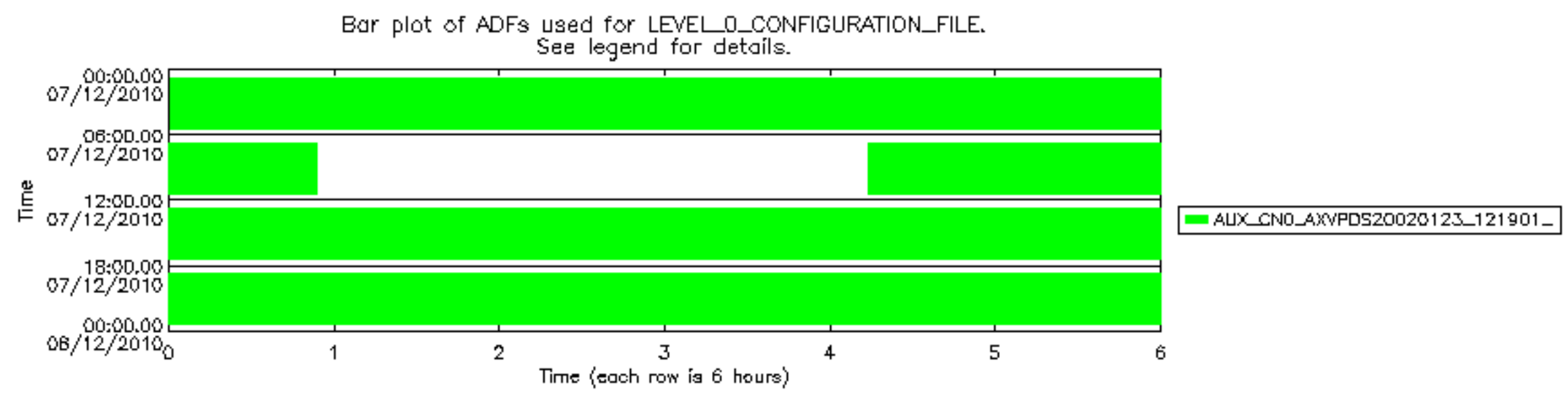






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

