

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	12MAR2012 05:23:47
Data source version	KSPT_L0/4504-N
Processing scope for products	07MAR2012 00:00:00 to 08MAR2012 00:00:00
Start time of first product within scope	07MAR2012 01:26:32
Stop time of last product within scope	08MAR2012 00:51:23
Total number of level 0 products	12
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__0PNPDE20120307_012632_000102623112_00232_52401_1174.N1	07MAR2012 01:26:32	07MAR2012 04:17:34	0	0	0	0	0
1	MIP_NL__0PNPDE20120307_020911_000077023112_00233_52402_5858.N1	07MAR2012 02:09:11	07MAR2012 04:17:34	0	0	0	0	0
2	MIP_NL__0PNPDE20120307_041700_000062283112_00234_52403_1175.N1	07MAR2012 04:17:00	07MAR2012 06:00:48	0	0	0	0	0
3	MIP_NL__0PNPDE20120307_060014_000061503112_00235_52404_1176.N1	07MAR2012 06:00:14	07MAR2012 07:42:44	0	0	0	0	0
4	MIP_NL__0PNPDK20120307_074211_000038423112_00236_52405_8810.N1	07MAR2012 07:42:11	07MAR2012 08:46:13	0	0	0	0	0
5	MIP_NL__0PNPDK20120307_084516_000062023112_00237_52406_8811.N1	07MAR2012 08:45:16	07MAR2012 10:28:39	0	0	0	0	0
6	MIP_NL__0PNPDK20120307_102748_000058643112_00238_52407_8812.N1	07MAR2012 10:27:48	07MAR2012 12:05:32	0	0	0	0	0
7	MIP_NL__0PNPDK20120307_120358_000061633112_00239_52408_8813.N1	07MAR2012 12:03:58	07MAR2012 13:46:41	0	0	0	0	0
8	MIP_NL__0PNPDK20120307_134545_000059183112_00240_52409_8814.N1	07MAR2012 13:45:45	07MAR2012 15:24:23	0	0	0	0	0
9	MIP_NL__0PNPDE20120307_201727_000043683112_00244_52413_1177.N1	07MAR2012 20:17:27	07MAR2012 21:30:15	0	0	0	0	0
10	MIP_NL__0PNPDE20120307_212916_000060463112_00244_52413_1178.N1	07MAR2012 21:29:16	07MAR2012 23:10:02	0	0	0	0	0
11	MIP_NL__0PNPDE20120307_230902_000061423112_00245_52414_1179.N1	07MAR2012 23:09:02	08MAR2012 00:51:23	0	0	0	0	0

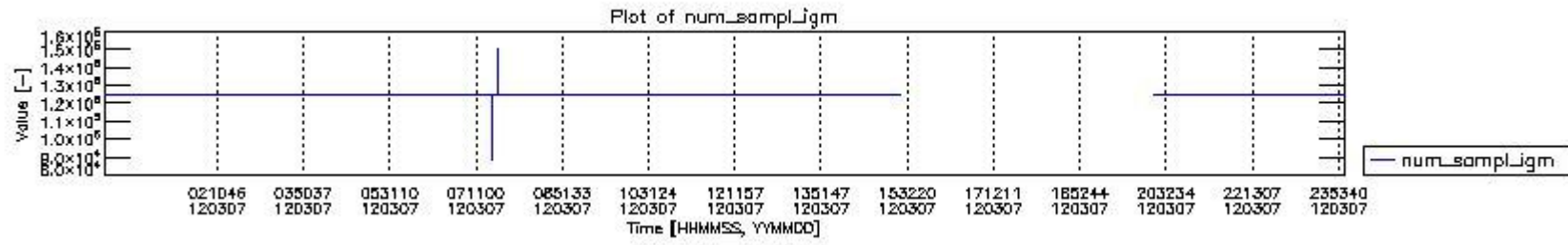
0.2 Instrument Operational Performance Parameters

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.

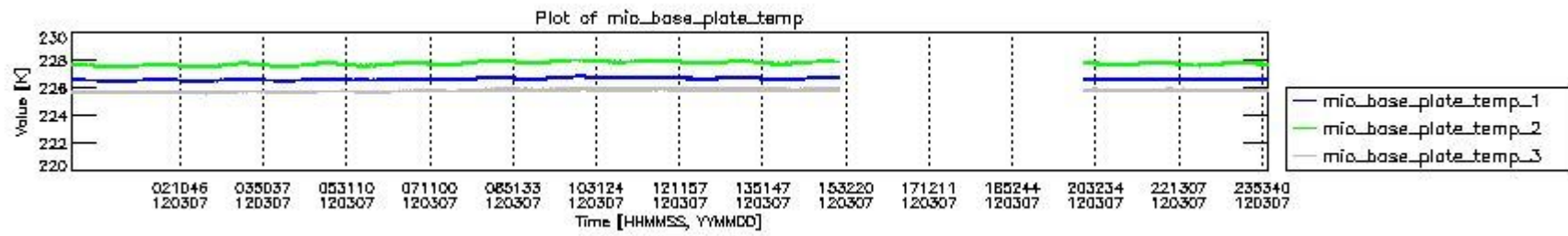
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
88096	1	0.0030214219
96382	1	0.0030214219
116514	1	0.0030214219
124800	30750	92.908723
124803	2341	7.0731486
127382	1	0.0030214219

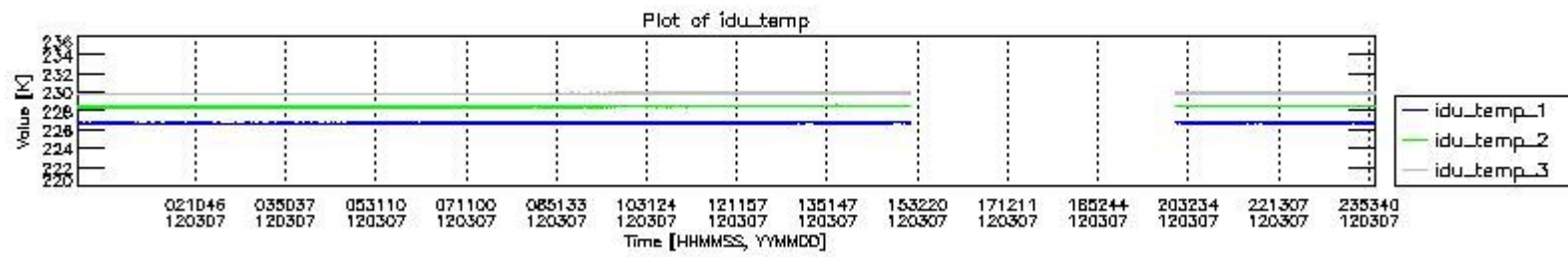
147514	1	0.0030214219
150096	1	0.0030214219



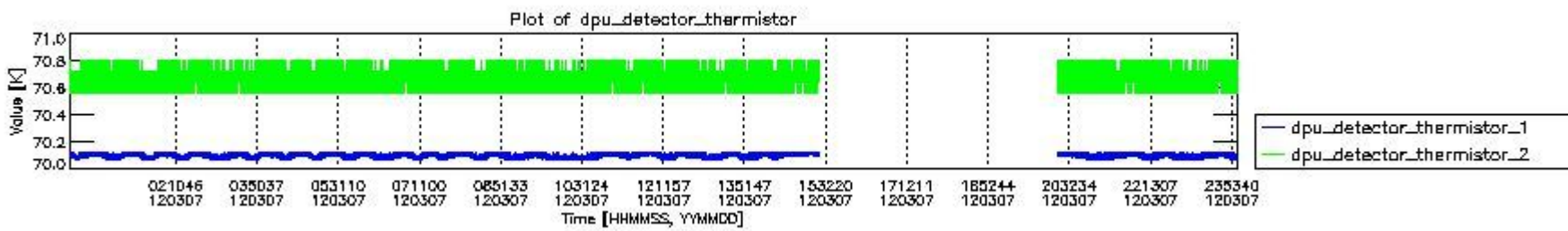
mipas_daily_report_level0_KSPT_L0_4504_N_20120307_0.PNG



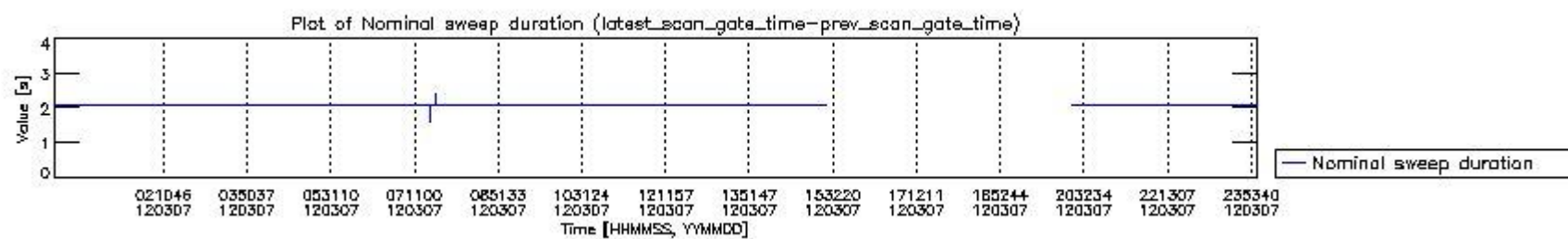
mipas_daily_report_level0_KSPT_L0_4504_N_20120307_1.PNG



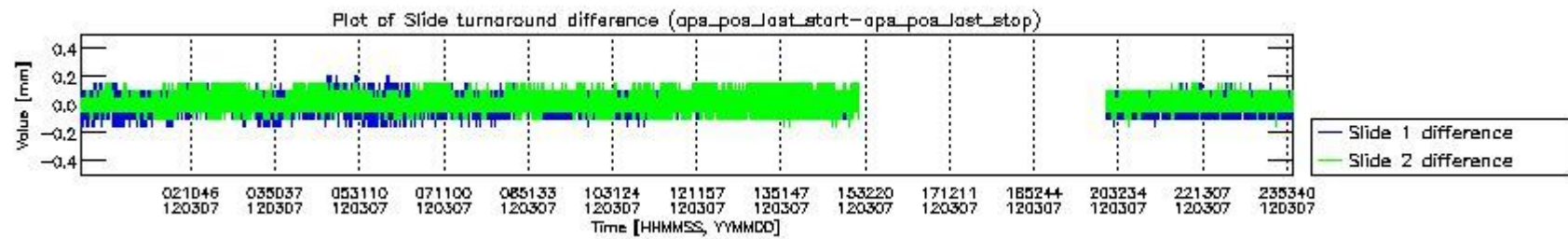
mipas_daily_report_level0_KSPT_L0_4504_N_20120307_2.PNG



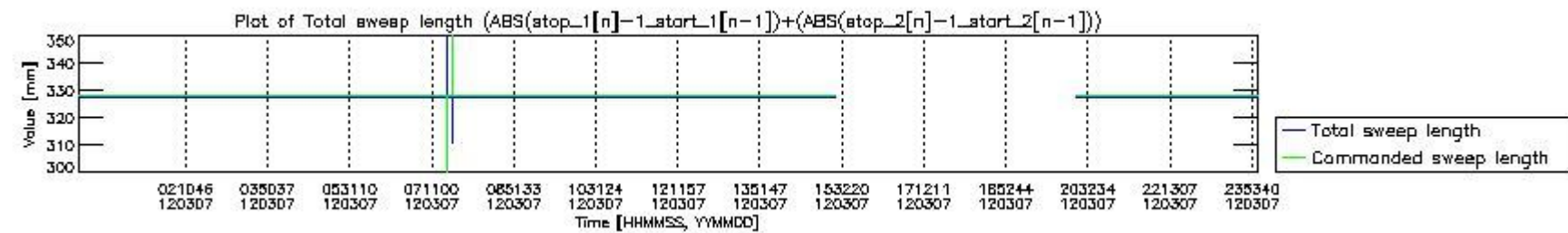
mipas_daily_report_level0_KSPT_L0_4504_N_20120307_3.PNG



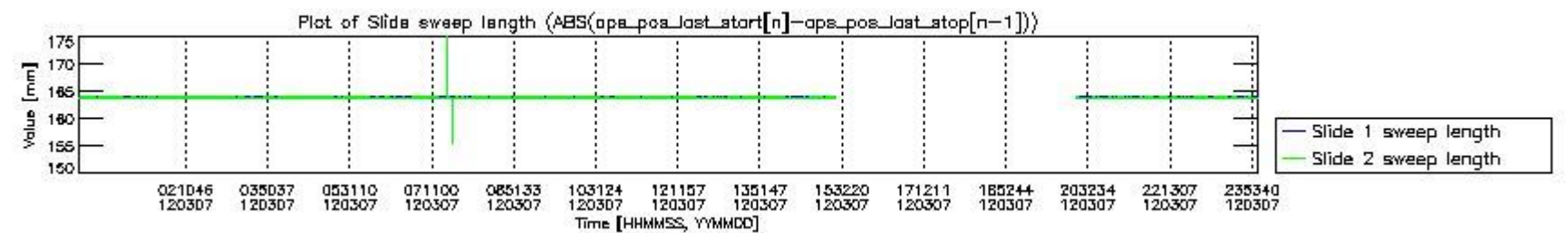
mipas_daily_report_level0_KSPT_L0_4504_N_20120307_4.PNG



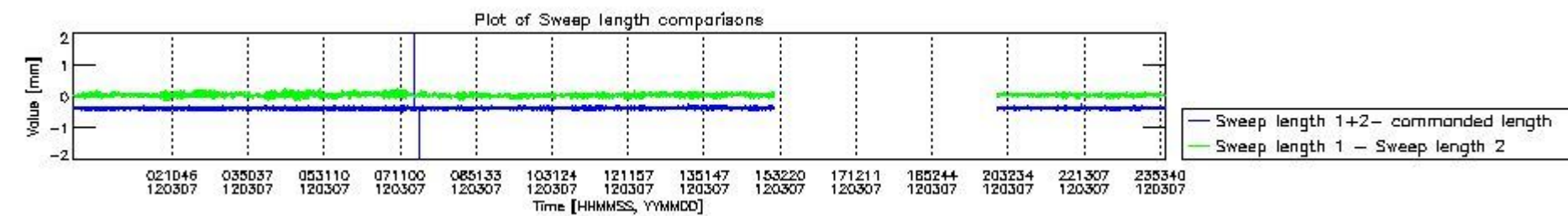
mipas_daily_report_level0_KSPT_L0_4504_N_20120307_5.PNG



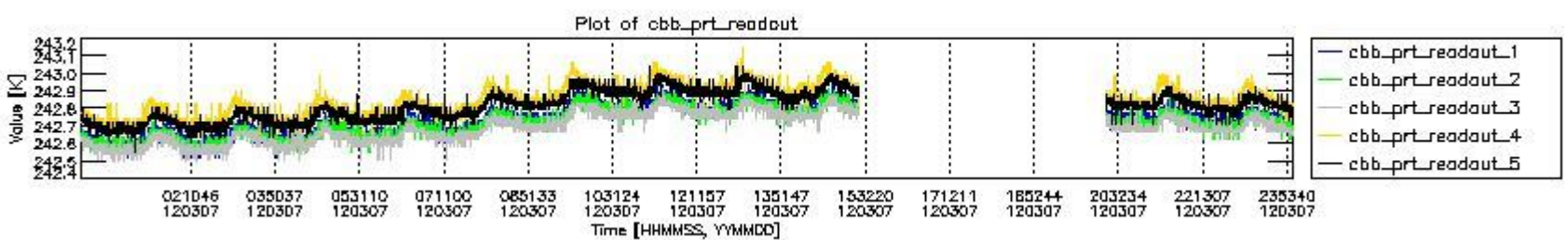
mipas_daily_report_level0_KSPT_L0_4504_N_20120307_6.PNG



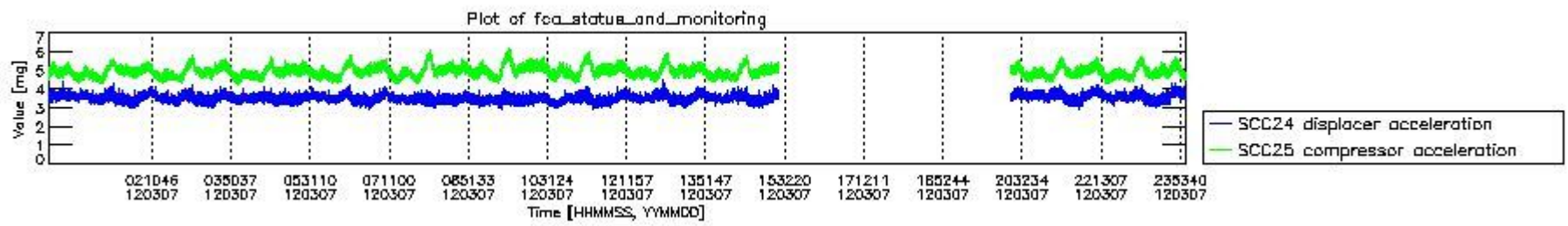
mipas_daily_report_level0_KSPT_L0_4504_N_20120307_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120307_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120307_9.PNG

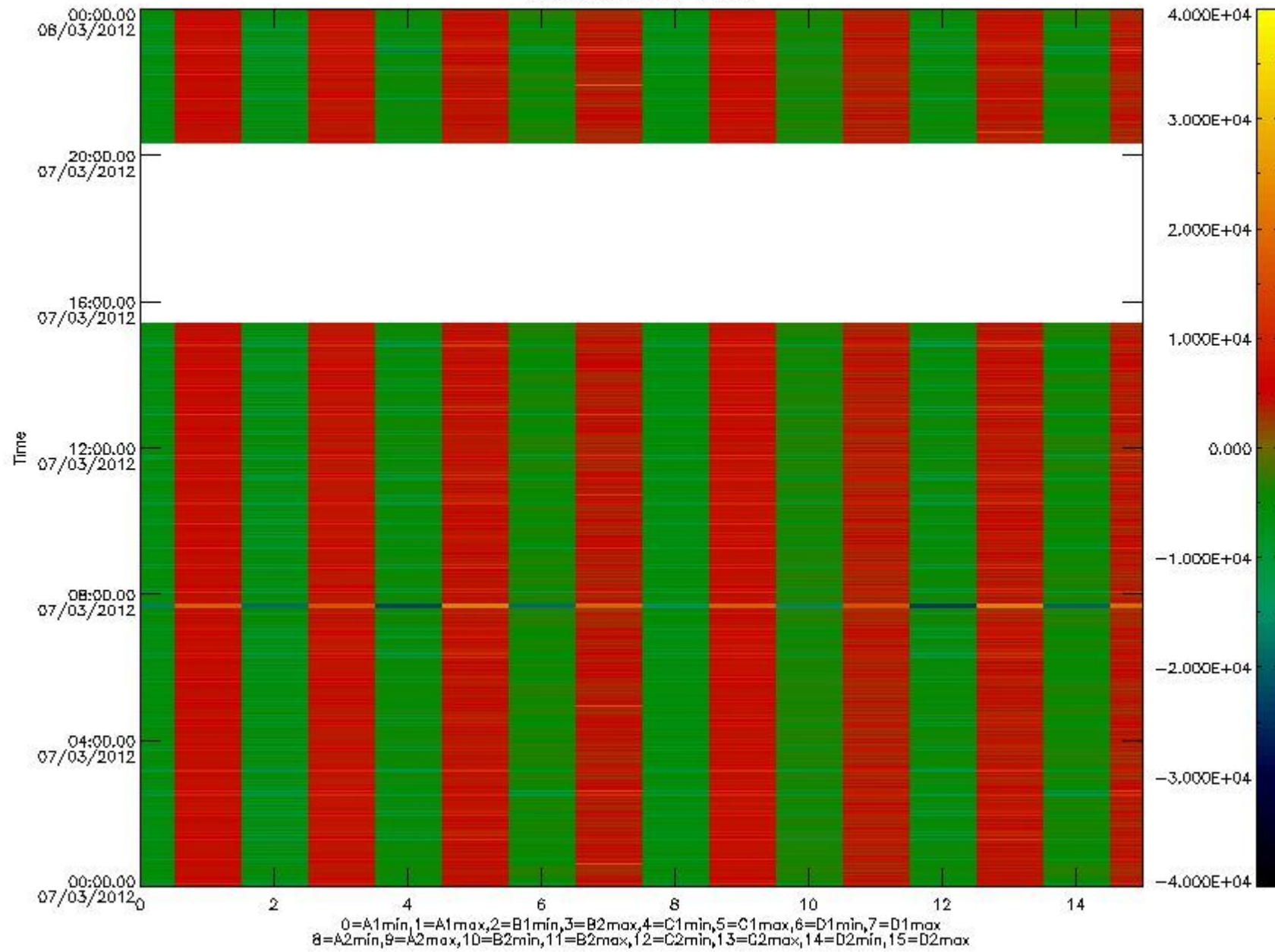


mipas_daily_report_level0_KSPT_L0_4504_N_20120307_10.PNG

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

Channel	Min	Max	ADC
A1	-17290	18186	16bit
B1	-19219	16674	16bit
C1	-32768	32767	16bit
D1	-32768	32767	16bit
A2	-15098	18438	16bit
B2	-19991	19834	16bit
C2	-32768	32767	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_20120307_11.PNG

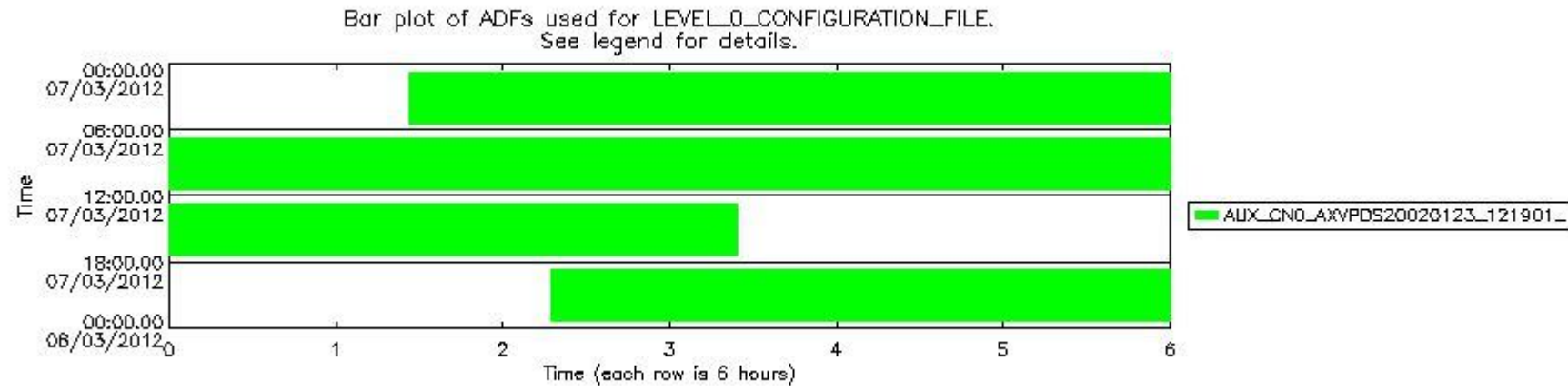
0.3 ADF monitoring

The use of ADFs is shown in two ways:

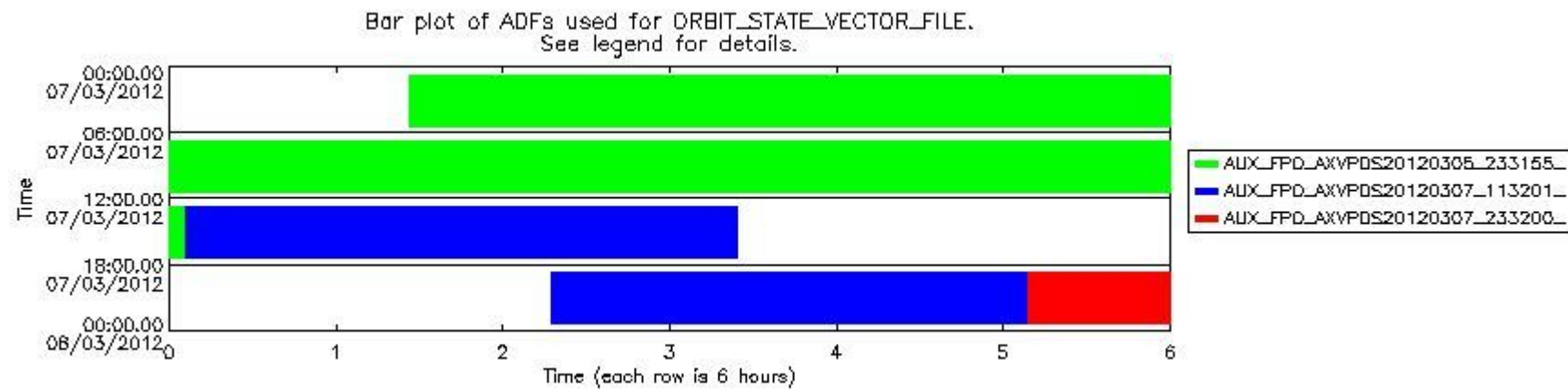
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120305_233155_20120305_193414_20120315_200740
2	AUX_FPO_AXVPDS20120307_113201_20120306_185729_20120316_211109
3	AUX_FPO_AXVPDS20120307_233200_20120307_182044_20120317_203424

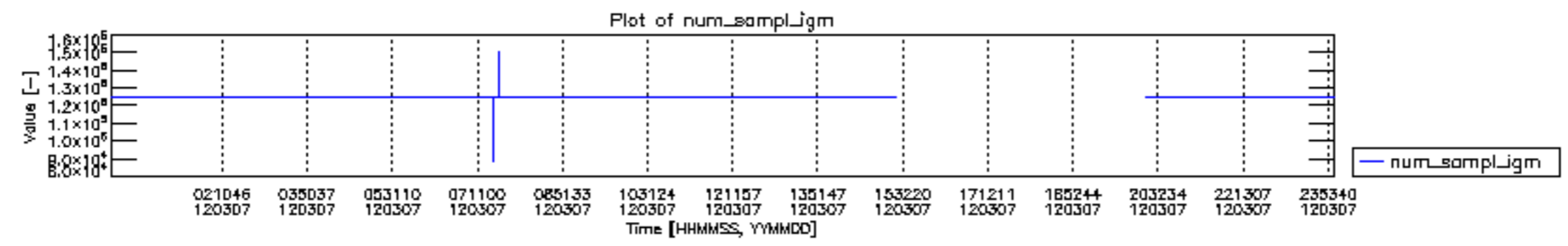
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20120307_012632_000102623112_00232_52401_1174.N1	0	1
1	MIP_NL__0PNPDE20120307_020911_000077023112_00233_52402_5858.N1	0	1
2	MIP_NL__0PNPDE20120307_041700_000062283112_00234_52403_1175.N1	0	1
3	MIP_NL__0PNPDE20120307_060014_000061503112_00235_52404_1176.N1	0	1
4	MIP_NL__0PNPDK20120307_074211_000038423112_00236_52405_8810.N1	0	1
5	MIP_NL__0PNPDK20120307_084516_000062023112_00237_52406_8811.N1	0	1
6	MIP_NL__0PNPDK20120307_102748_000058643112_00238_52407_8812.N1	0	1
7	MIP_NL__0PNPDK20120307_120358_000061633112_00239_52408_8813.N1	0	2
8	MIP_NL__0PNPDK20120307_134545_000059183112_00240_52409_8814.N1	0	2
9	MIP_NL__0PNPDE20120307_201727_000043683112_00244_52413_1177.N1	0	2
10	MIP_NL__0PNPDE20120307_212916_000060463112_00244_52413_1178.N1	0	2
11	MIP_NL__0PNPDE20120307_230902_000061423112_00245_52414_1179.N1	0	3

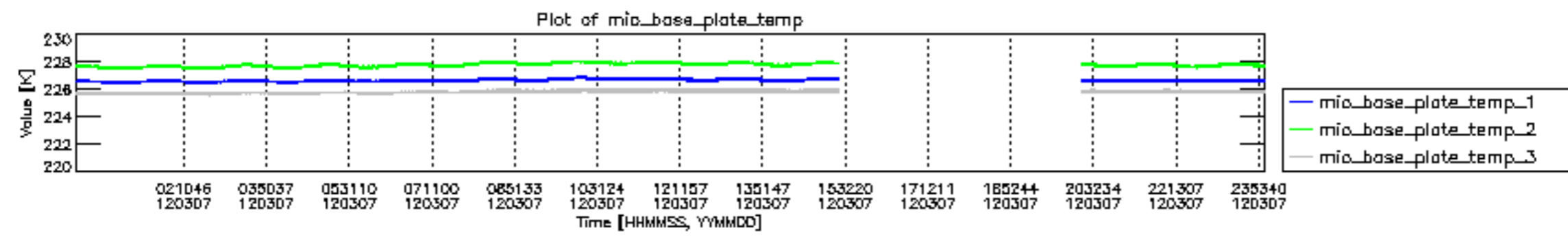


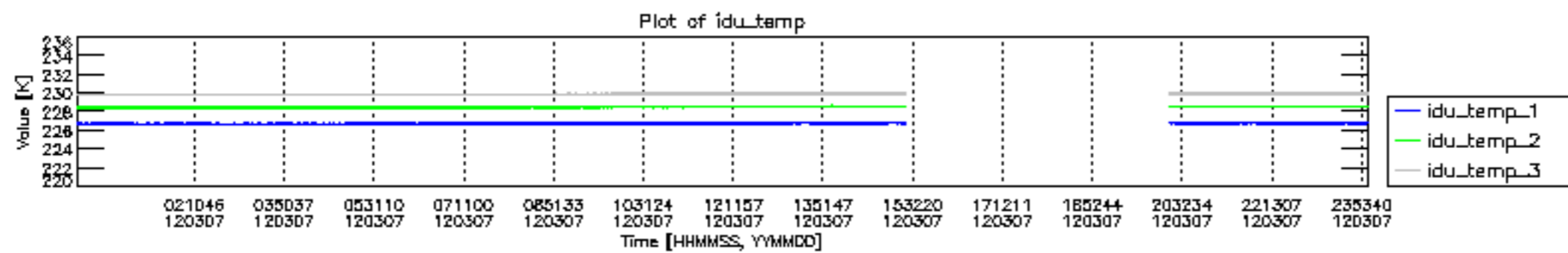
mipas_daily_report_level0_KSPT_L0_4504_N_20120307_12.PNG

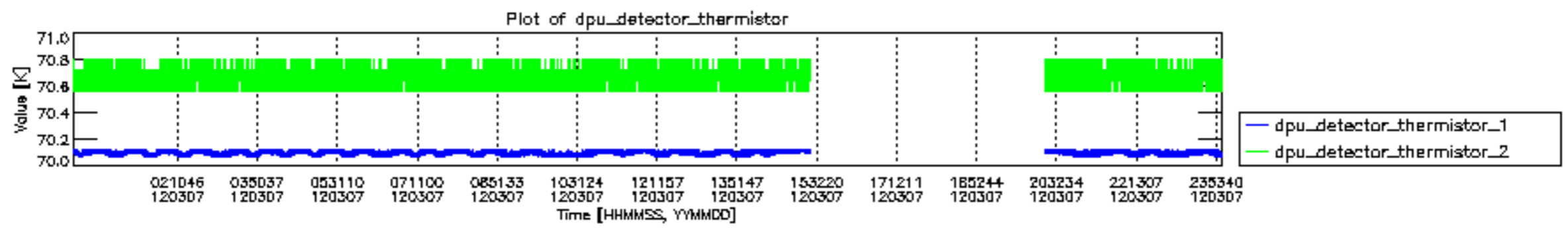


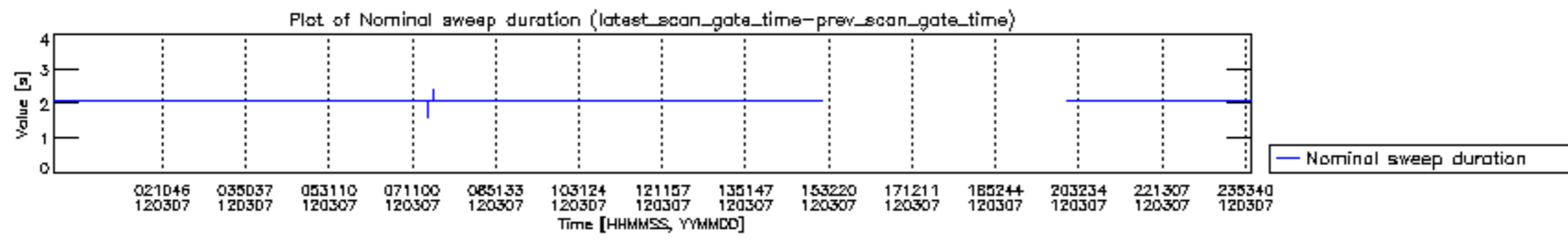
mipas_daily_report_level0_KSPT_L0_4504_N_20120307_13.PNG

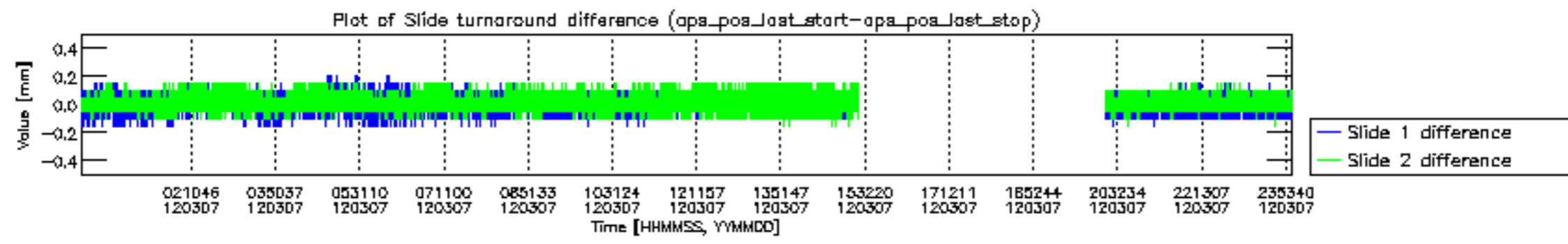


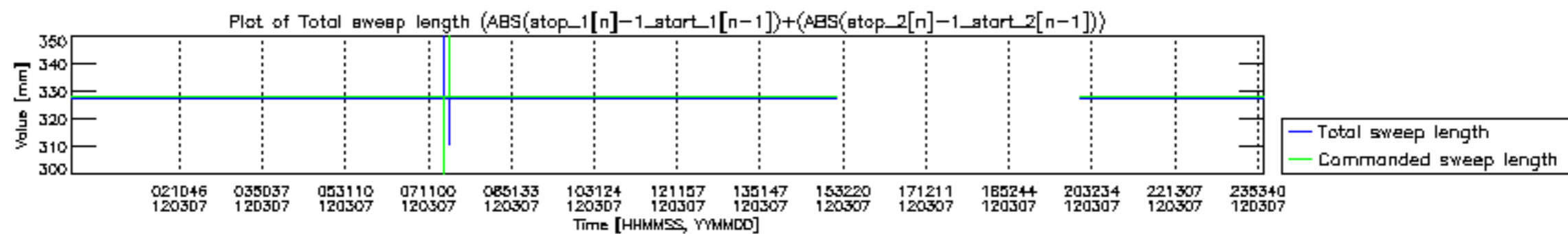


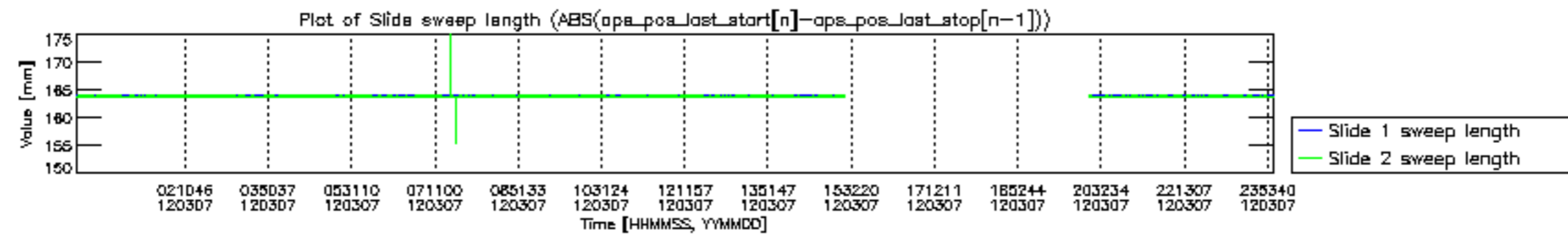


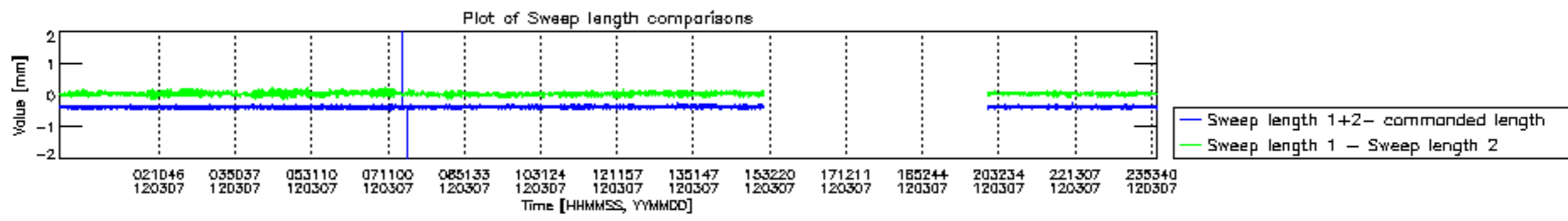


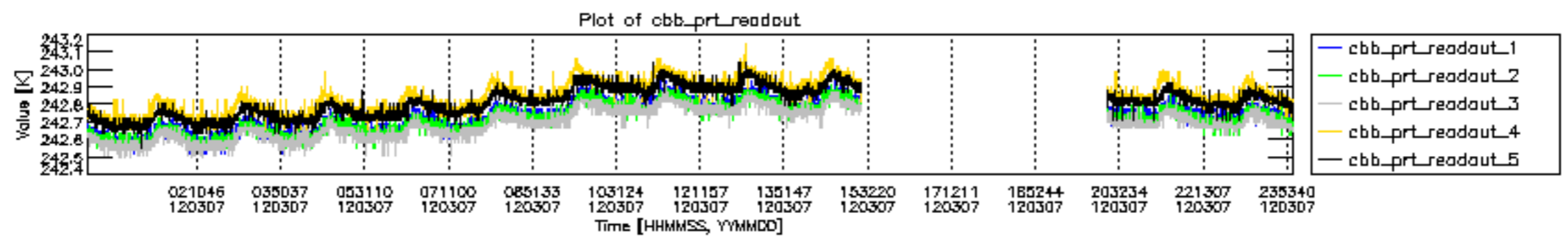


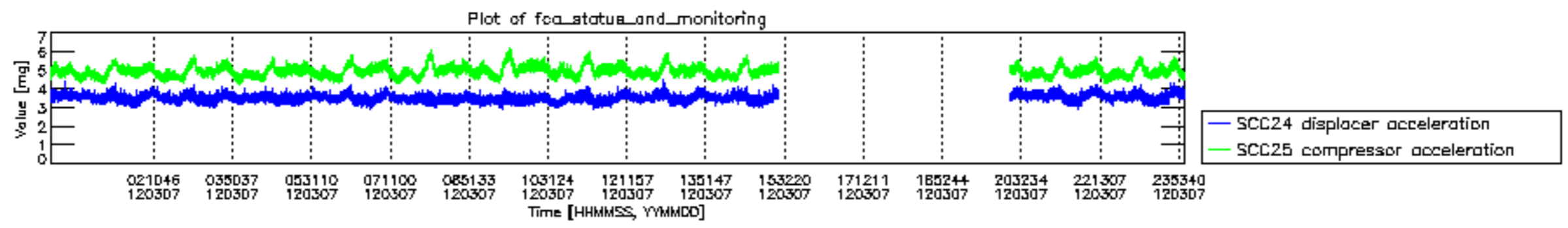




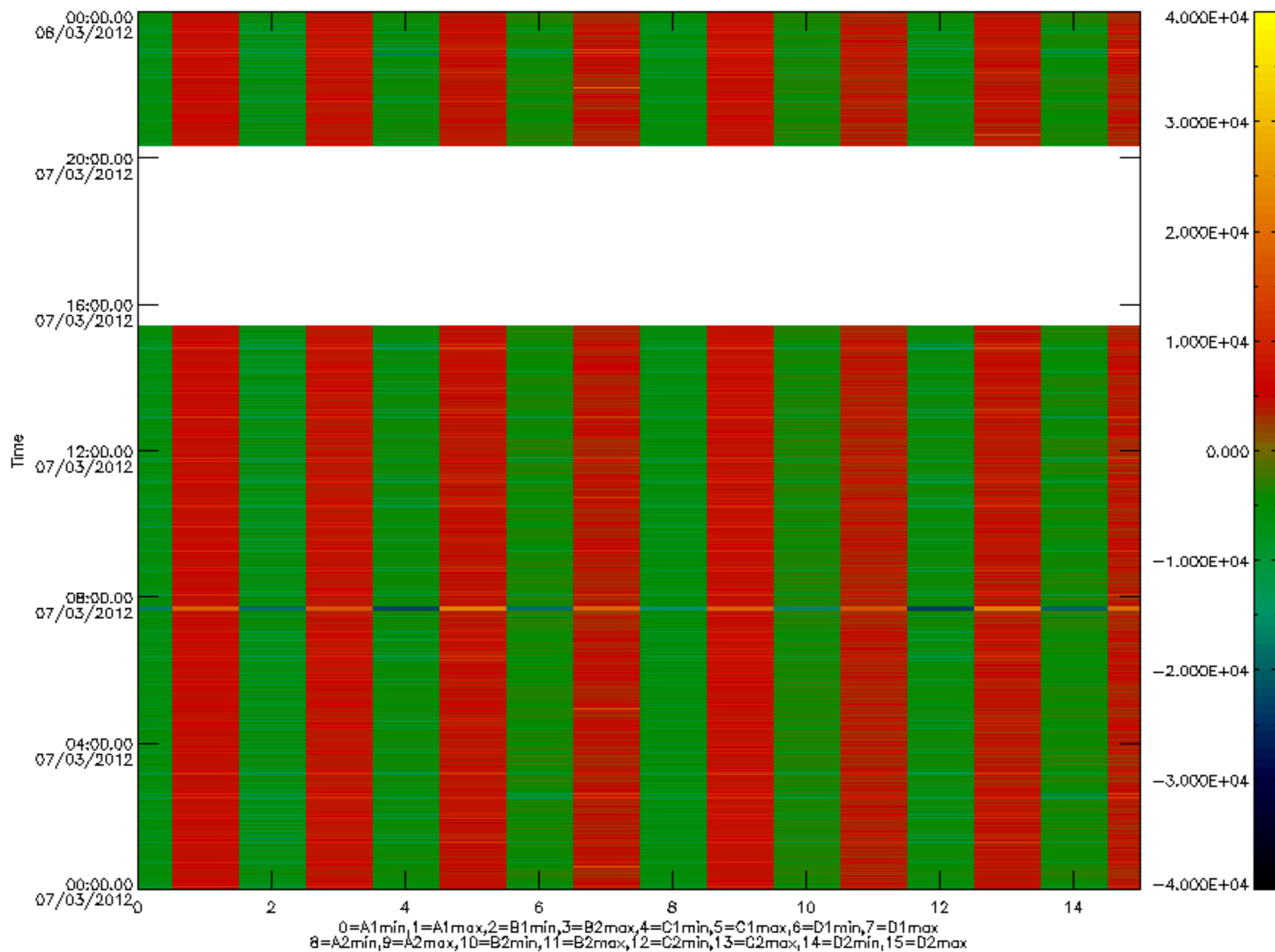


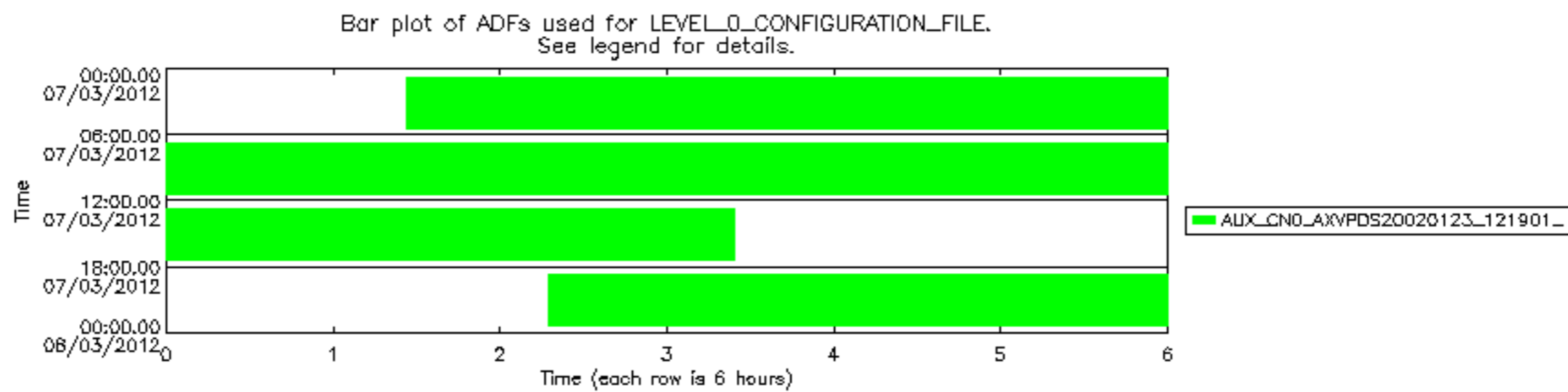






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

