

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	05FEB2011 05:24:01
Data source version	KSPT_L0/4504-N
Processing scope for products	31JAN2011 00:00:00 to 01FEB2011 00:00:00
Start time of first product within scope	31JAN2011 01:23:16
Stop time of last product within scope	01FEB2011 00:49:36
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__OPNPDE20110131_012316_000103893099_00074_46640_2824.N1	31JAN2011 01:23:16	31JAN2011 04:16:25	0	0	0	0	0
1	MIP_NL__OPNPDE20110131_041552_000061753099_00076_46642_2825.N1	31JAN2011 04:15:52	31JAN2011 05:58:47	0	0	0	0	0
2	MIP_NL__OPNPDK20110131_055814_000040973099_00077_46643_4165.N1	31JAN2011 05:58:14	31JAN2011 07:06:31	0	0	0	0	0
3	MIP_NL__OPNPDK20110131_070531_000061713099_00078_46644_4166.N1	31JAN2011 07:05:31	31JAN2011 08:48:22	0	0	0	0	0
4	MIP_NL__OPNPDK20110131_084715_000060243099_00079_46645_4167.N1	31JAN2011 08:47:15	31JAN2011 10:27:39	0	0	0	0	0
5	MIP_NL__OPNPDK20110131_102557_000059563099_00080_46646_4168.N1	31JAN2011 10:25:57	31JAN2011 12:05:12	0	0	0	0	0
6	MIP_NL__OPNPDK20110131_120353_000060563099_00081_46647_4169.N1	31JAN2011 12:03:53	31JAN2011 13:44:49	0	0	0	0	0
7	MIP_NL__OPNPDK20110131_134351_000058223099_00082_46648_4170.N1	31JAN2011 13:43:51	31JAN2011 15:20:53	0	0	0	0	0
8	MIP_NL__OPNPDK20110131_152007_000033633099_00083_46649_4171.N1	31JAN2011 15:20:07	31JAN2011 16:16:10	0	0	0	0	0
9	MIP_NL__OPNPDK20110131_161610_000027683099_00083_46649_4172.N1	31JAN2011 16:16:10	31JAN2011 17:02:18	0	0	0	0	0
10	MIP_NL__OPNPDK20110131_170053_000058163099_00084_46650_4173.N1	31JAN2011 17:00:53	31JAN2011 18:37:49	0	0	0	0	0
11	MIP_NL__OPNPDK20110131_183636_000059003099_00085_46651_4174.N1	31JAN2011 18:36:36	31JAN2011 20:14:55	0	0	0	0	0
12	MIP_NL__OPNPDE20110131_201325_000045423099_00086_46652_2826.N1	31JAN2011 20:13:25	31JAN2011 21:29:07	0	0	0	0	0
13	MIP_NL__OPNPDE20110131_212802_000060273099_00086_46652_2827.N1	31JAN2011 21:28:02	31JAN2011 23:08:29	0	0	0	0	0
14	MIP_NL__OPNPDE20110131_230722_000061333099_00087_46653_2828.N1	31JAN2011 23:07:22	01FEB2011 00:49:36	0	0	0	0	0

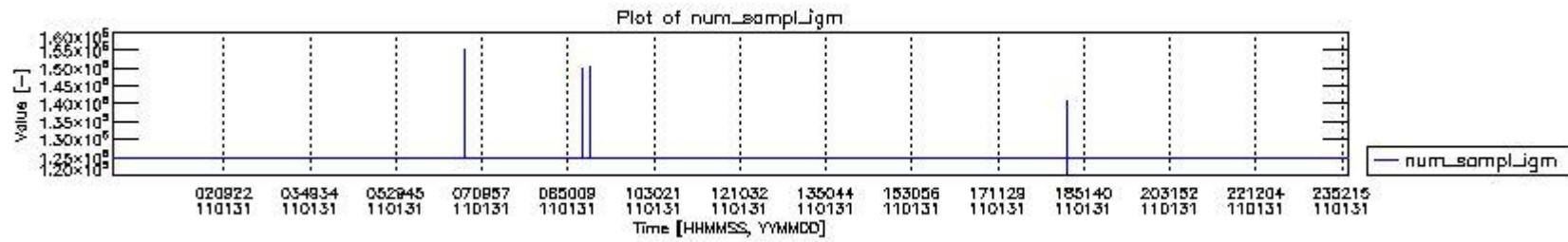
0.2 Instrument Operational Performance Parameters

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.

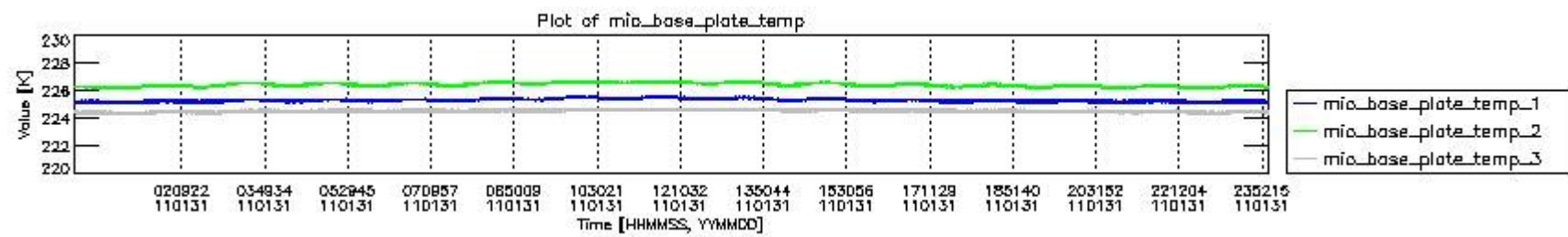
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
120691	1	0.0024000960
124800	39281	94.278171
124803	2372	5.6930277

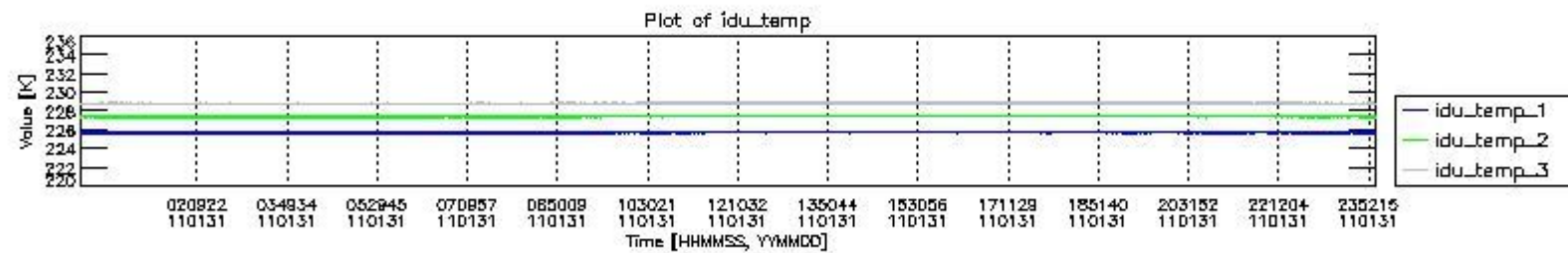
127382	1	0.0024000960
127456	1	0.0024000960
130058	1	0.0024000960
136714	1	0.0024000960
140823	1	0.0024000960
147514	1	0.0024000960
147588	1	0.0024000960
150096	1	0.0024000960
150190	1	0.0024000960
150244	1	0.0024000960
155448	1	0.0024000960



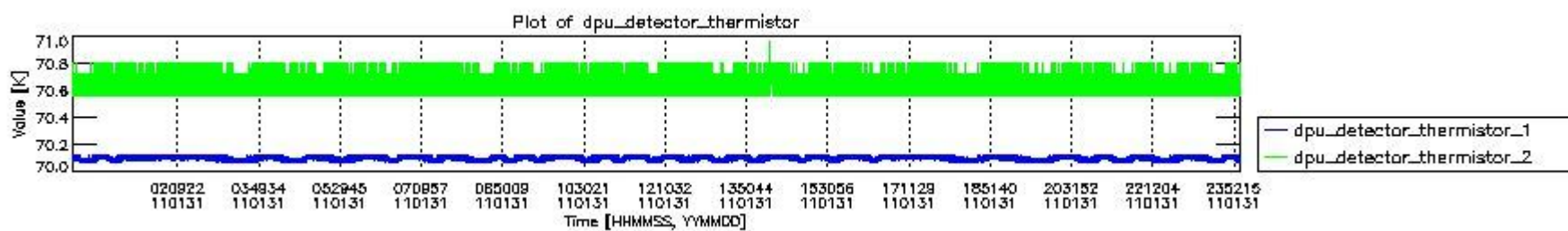
mipas_daily_report_level0_KSPT_L0_4504_N_20110131_0.PNG



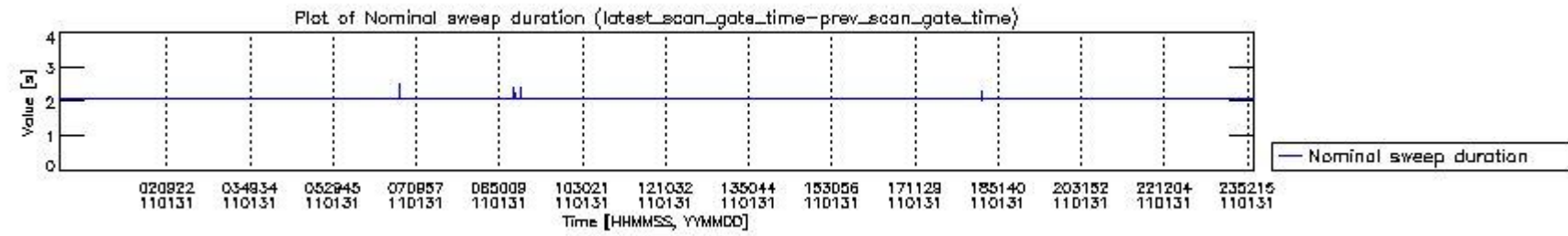
mipas_daily_report_level0_KSPT_L0_4504_N_20110131_1.PNG



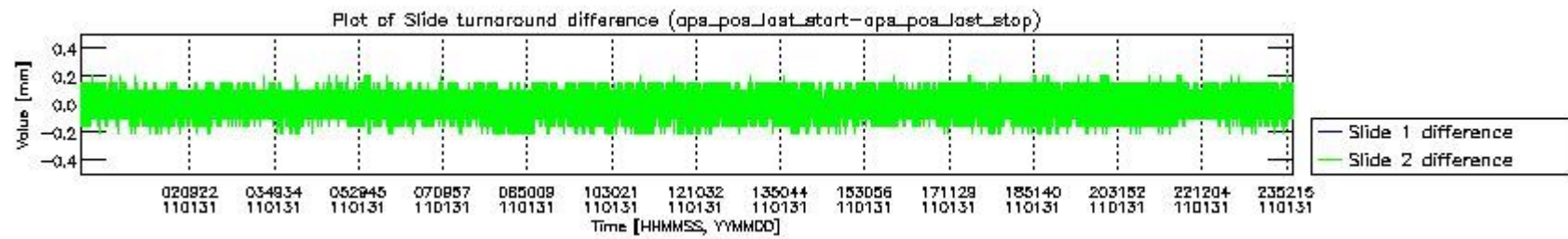
mipas_daily_report_level0_KSPT_L0_4504_N_20110131_2.PNG



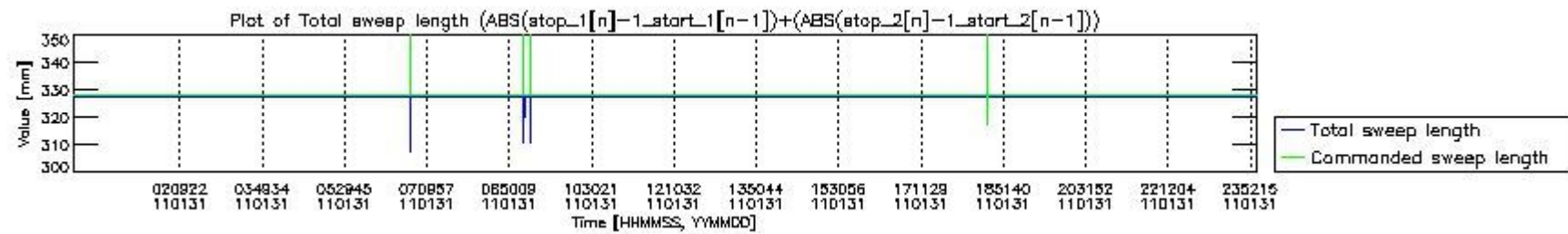
mipas_daily_report_level0_KSPT_L0_4504_N_20110131_3.PNG



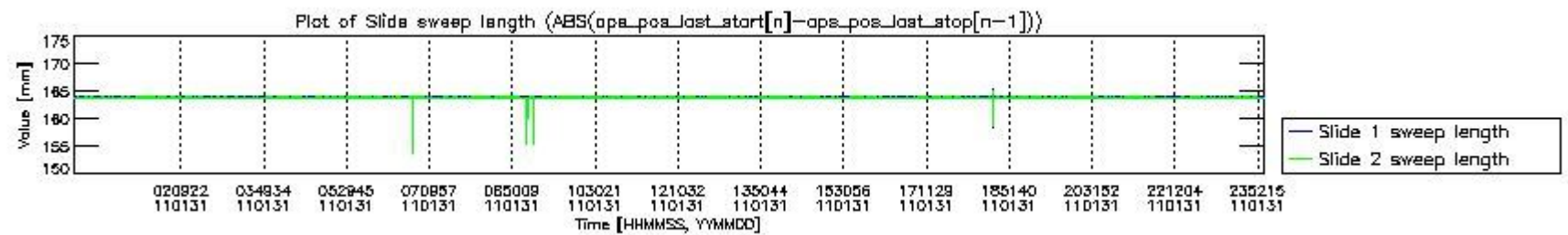
mipas_daily_report_level0_KSPT_L0_4504_N_20110131_4.PNG



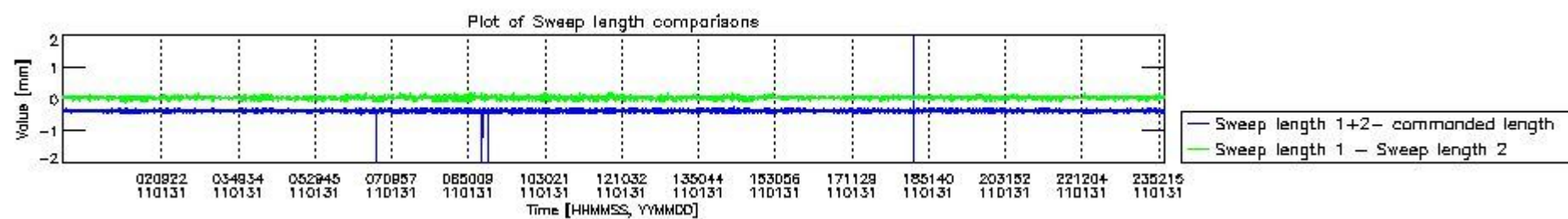
mipas_daily_report_level0_KSPT_L0_4504_N_20110131_5.PNG



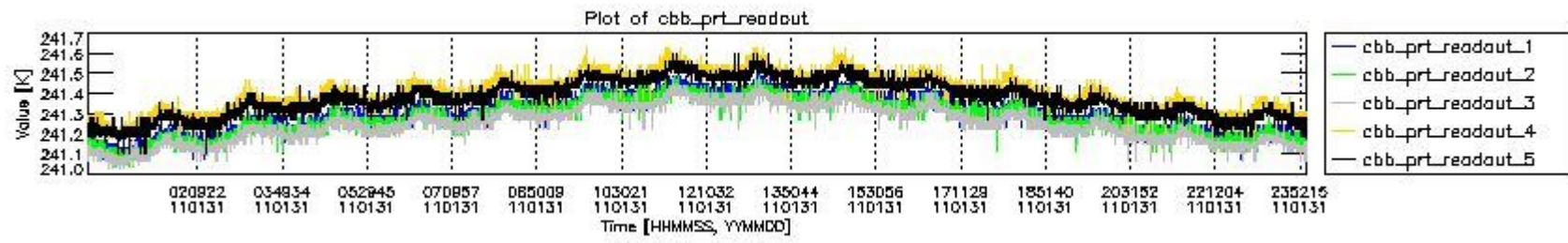
mipas_daily_report_level0_KSPT_L0_4504_N_20110131_6.PNG



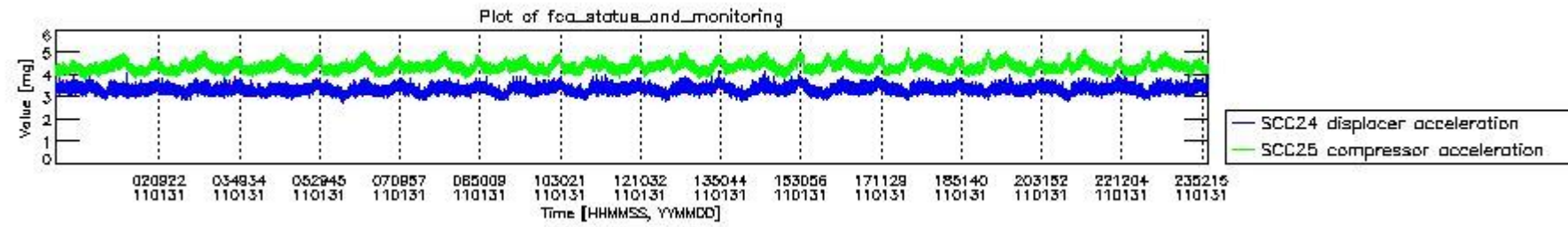
mipas_daily_report_level0_KSPT_L0_4504_N_20110131_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110131_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110131_9.PNG

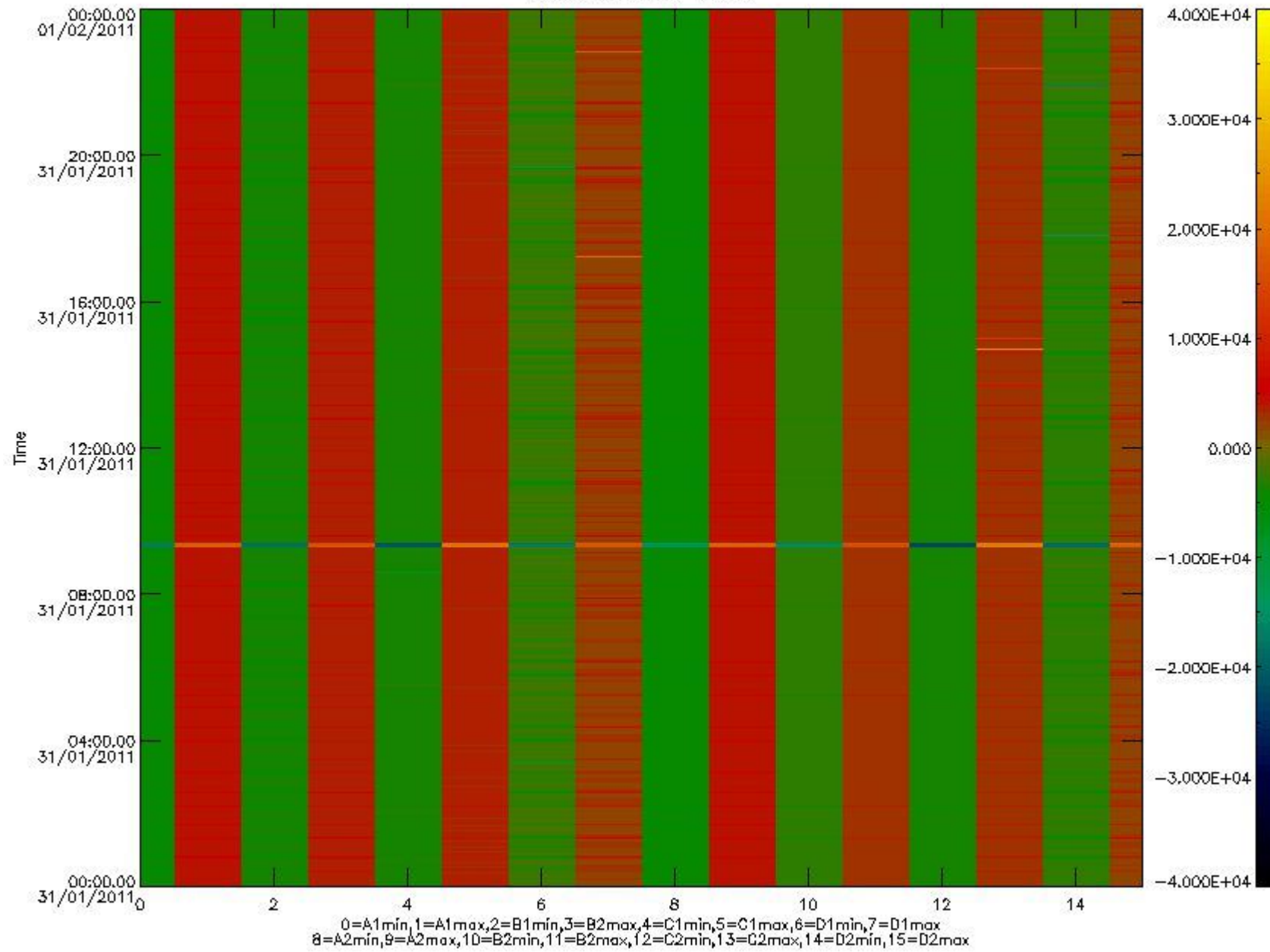


mipas_daily_report_level0_KSPT_L0_4504_N_20110131_10.PNG

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

Channel	Min	Max	ADC
A1	-17484	18509	16bit
B1	-18798	16376	16bit
C1	-24331	21681	16bit
D1	-17933	32767	16bit
A2	-15170	18610	16bit
B2	-16819	16550	16bit
C2	-22826	24166	16bit
D2	-32768	24300	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110131_11.PNG

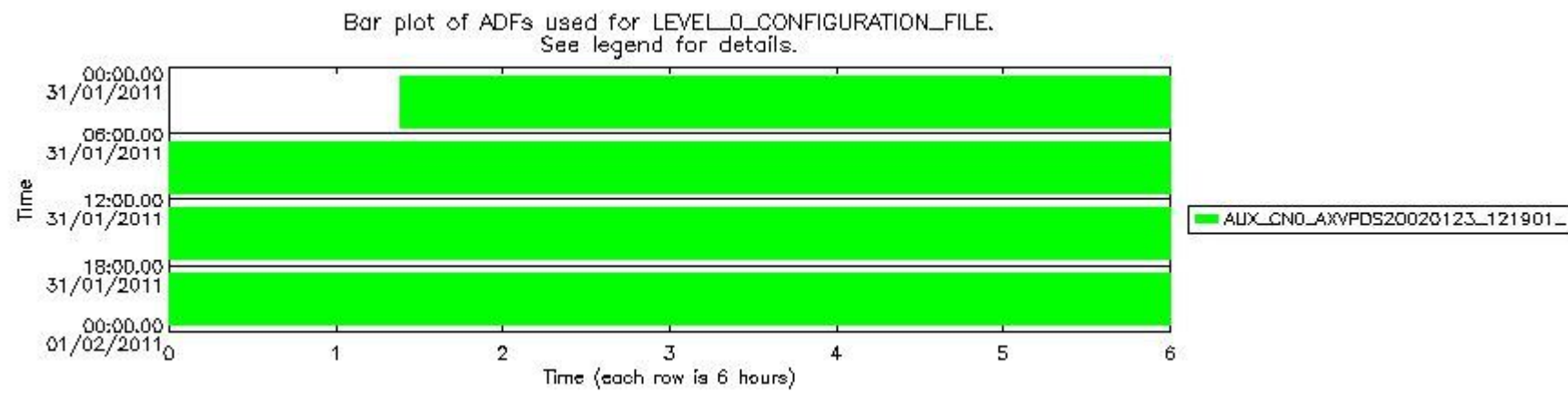
0.3 ADF monitoring

The use of ADFs is shown in two ways:

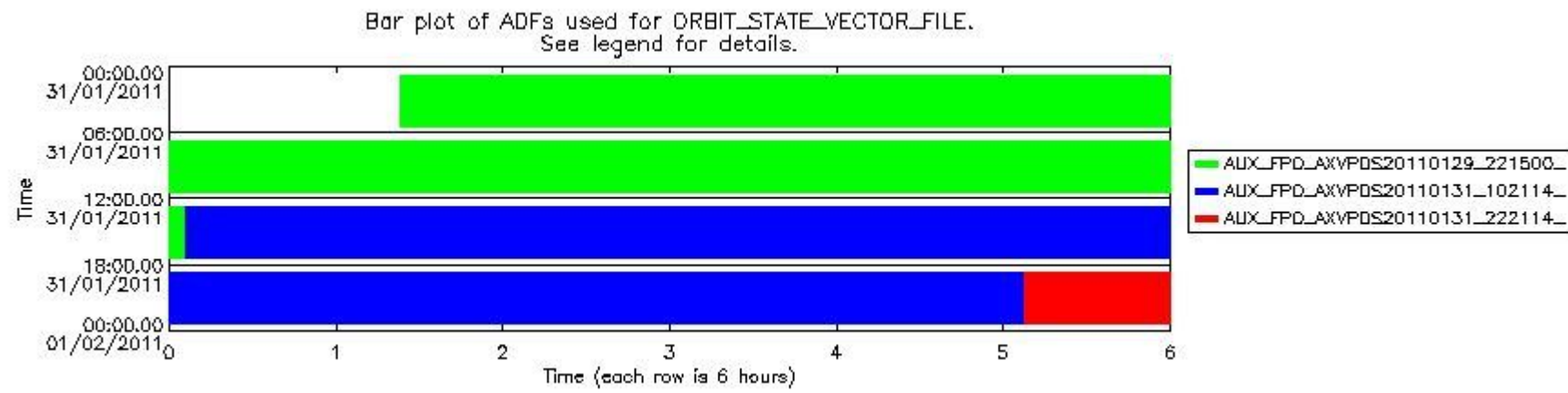
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110129_221500_20110129_193301_20110208_200639
2	AUX_FPO_AXVPDS20110131_102114_20110130_185617_20110209_211009
3	AUX_FPO_AXVPDS20110131_222114_20110131_181934_20110210_203325

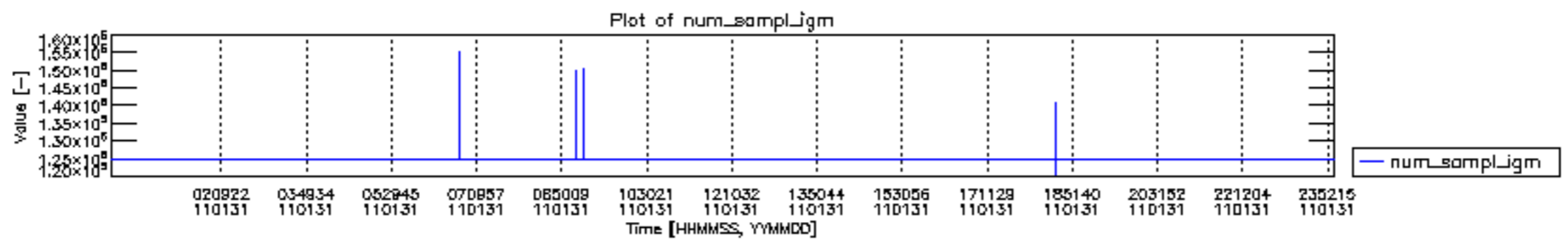
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110131_012316_000103893099_00074_46640_2824.N1	0	1
1	MIP_NL__0PNPDE20110131_041552_000061753099_00076_46642_2825.N1	0	1
2	MIP_NL__0PNPDK20110131_055814_000040973099_00077_46643_4165.N1	0	1
3	MIP_NL__0PNPDK20110131_070531_000061713099_00078_46644_4166.N1	0	1
4	MIP_NL__0PNPDK20110131_084715_000060243099_00079_46645_4167.N1	0	1
5	MIP_NL__0PNPDK20110131_102557_000059563099_00080_46646_4168.N1	0	1
6	MIP_NL__0PNPDK20110131_120353_000060563099_00081_46647_4169.N1	0	2
7	MIP_NL__0PNPDK20110131_134351_000058223099_00082_46648_4170.N1	0	2
8	MIP_NL__0PNPDK20110131_152007_000033633099_00083_46649_4171.N1	0	2
9	MIP_NL__0PNPDK20110131_161610_000027683099_00083_46649_4172.N1	0	2
10	MIP_NL__0PNPDK20110131_170053_000058163099_00084_46650_4173.N1	0	2
11	MIP_NL__0PNPDK20110131_183636_000059003099_00085_46651_4174.N1	0	2
12	MIP_NL__0PNPDE20110131_201325_000045423099_00086_46652_2826.N1	0	2
13	MIP_NL__0PNPDE20110131_212802_000060273099_00086_46652_2827.N1	0	2
14	MIP_NL__0PNPDE20110131_230722_000061333099_00087_46653_2828.N1	0	3

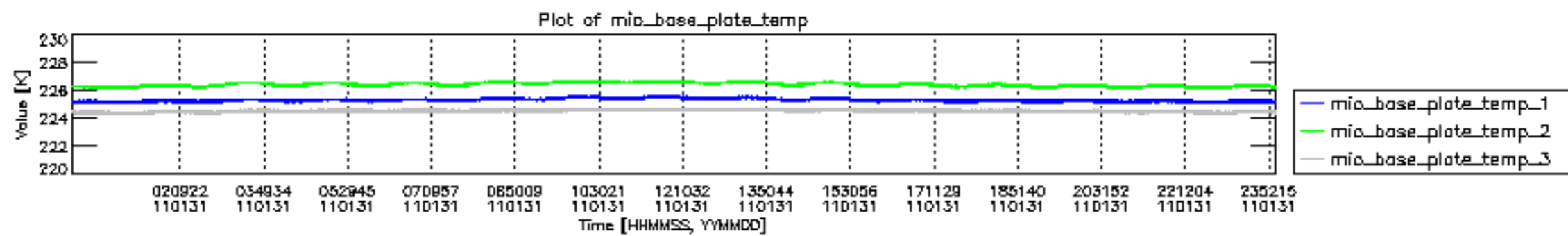


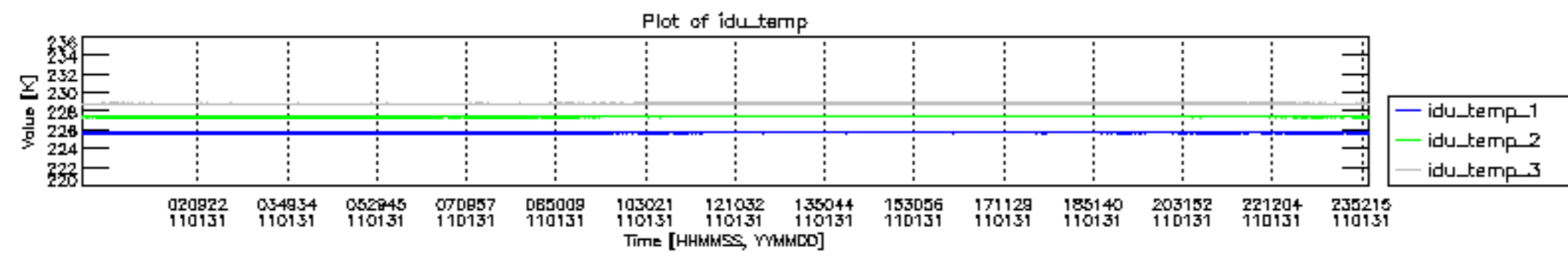
mipas_daily_report_level0_KSPT_L0_4504_N_20110131_12.PNG

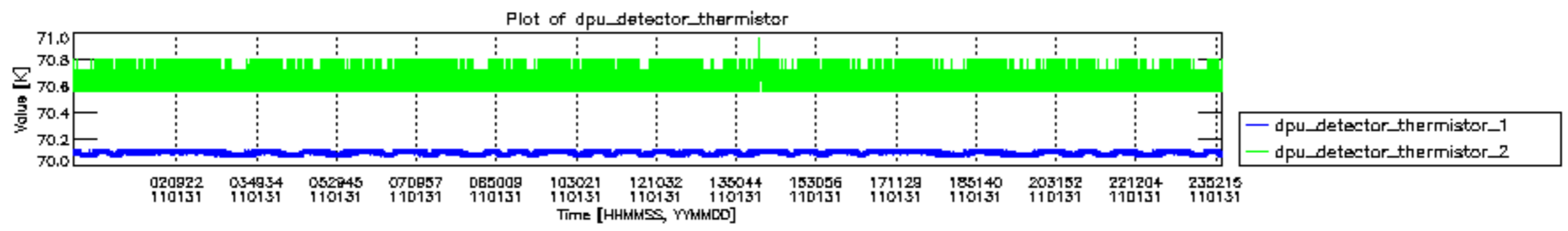


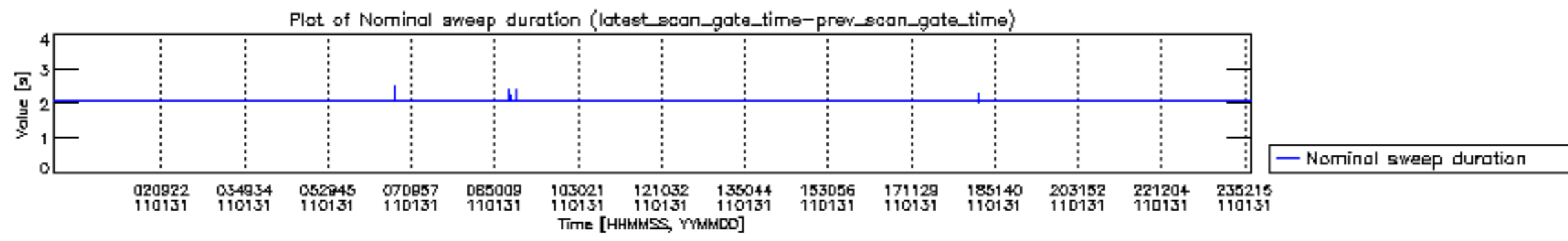
mipas_daily_report_level0_KSPT_L0_4504_N_20110131_13.PNG

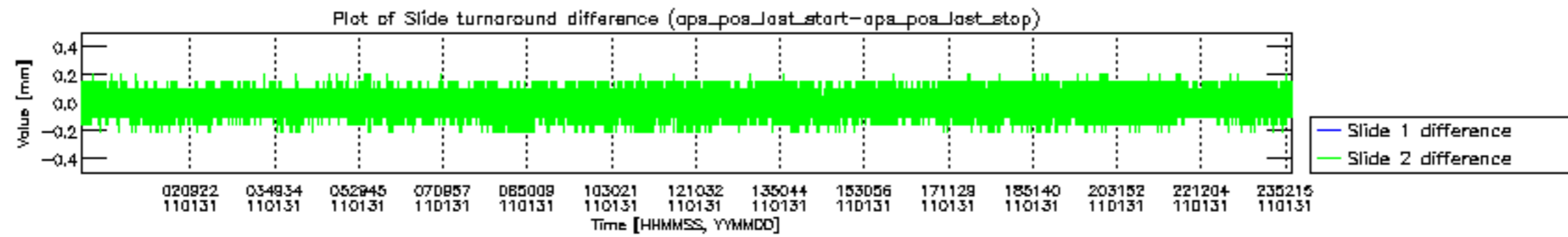


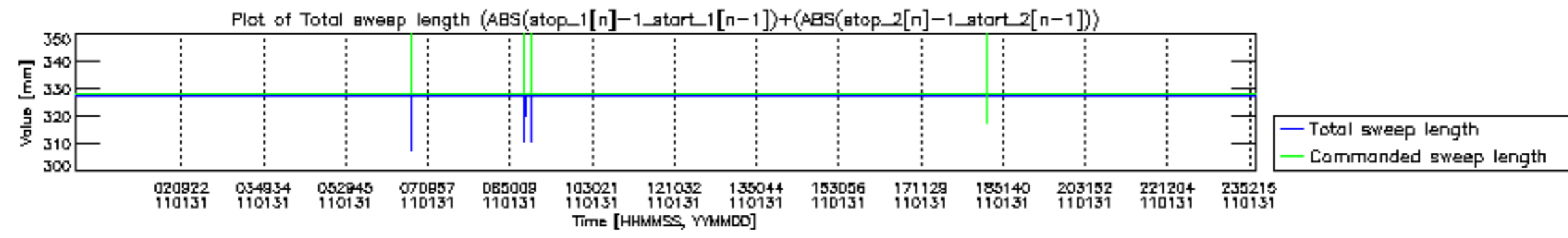


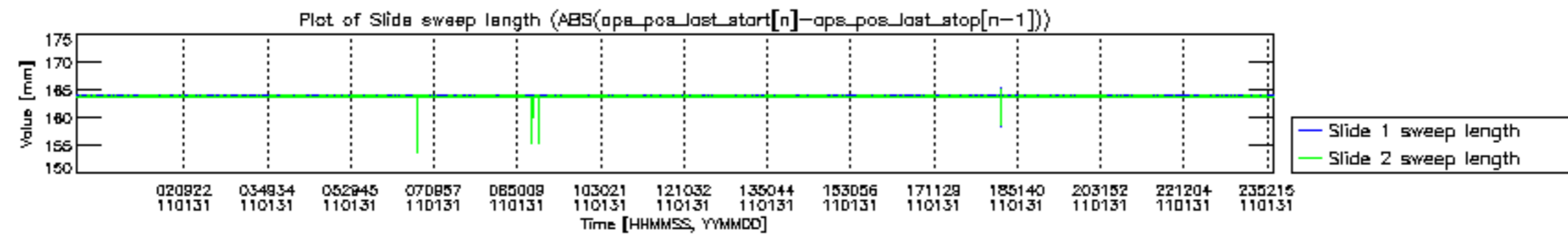


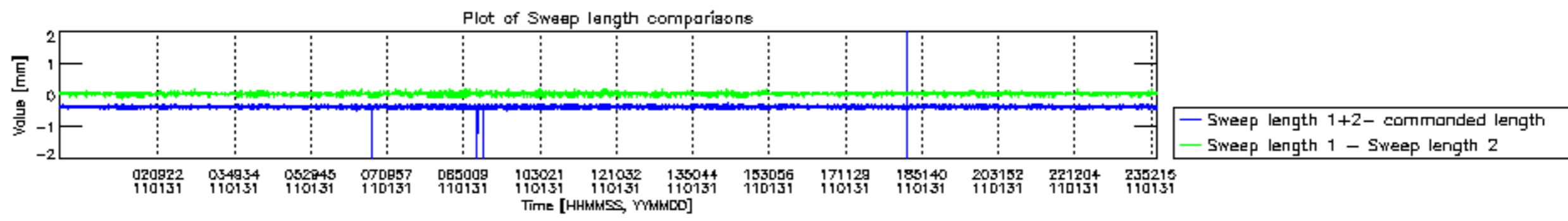


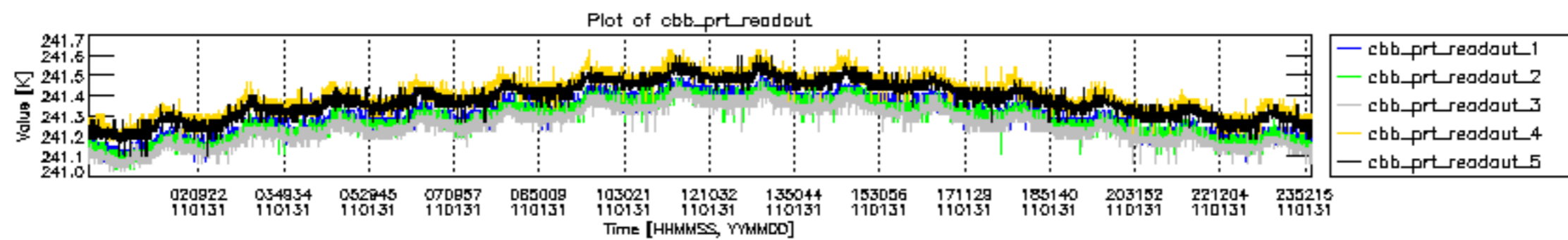


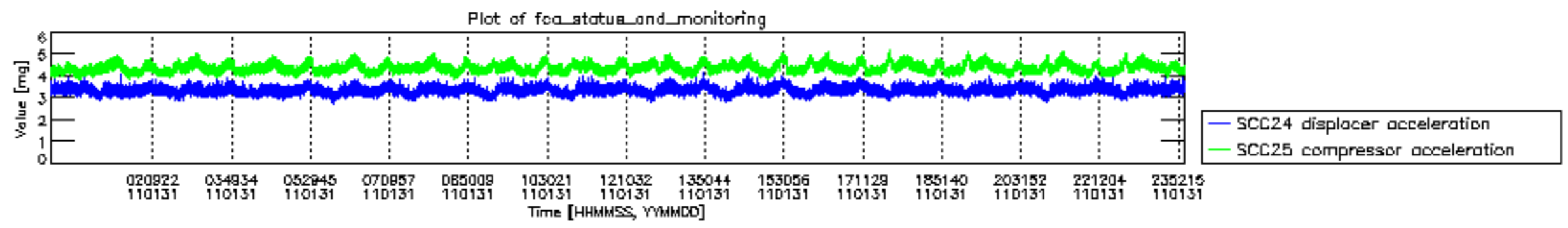




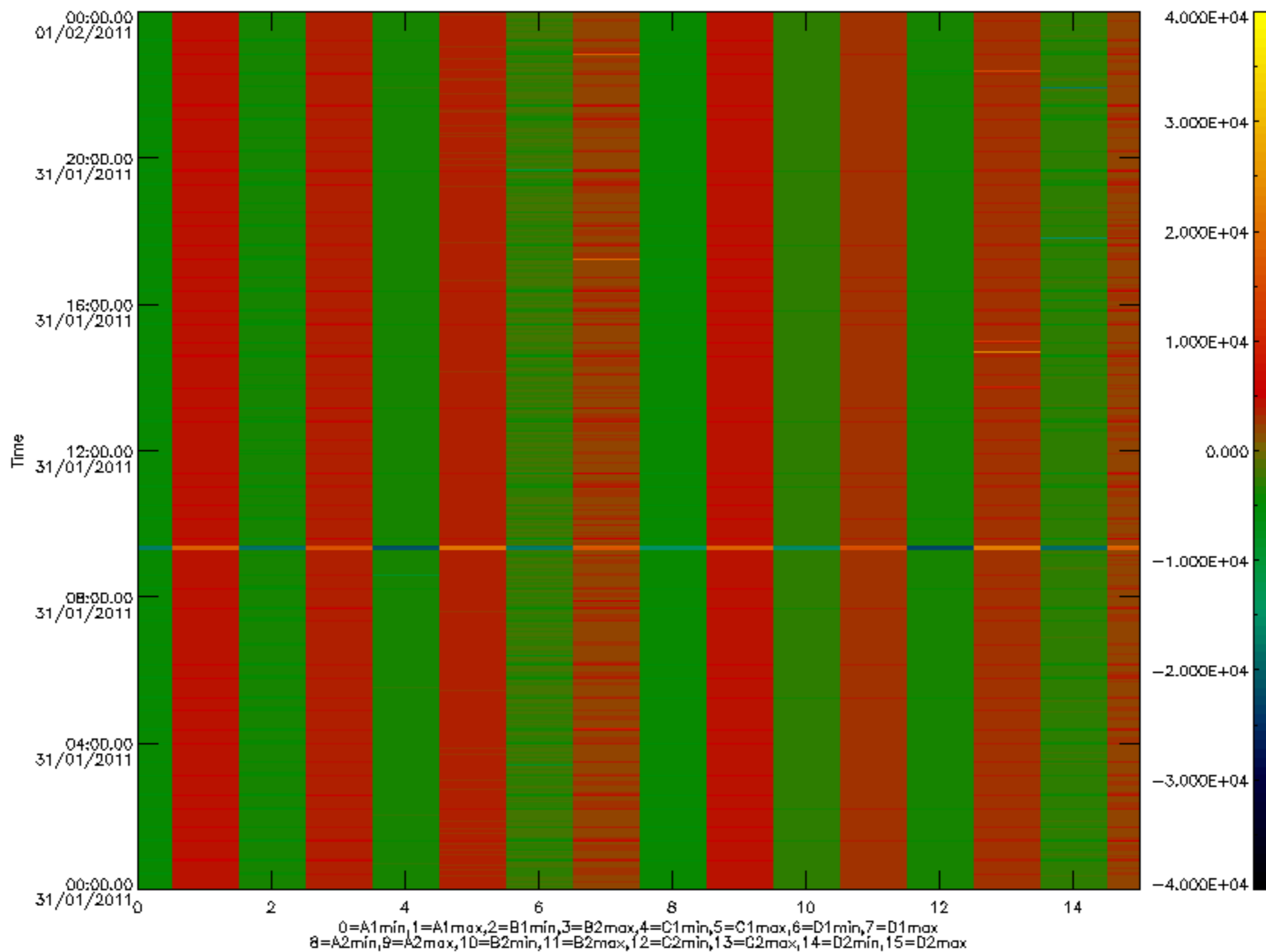


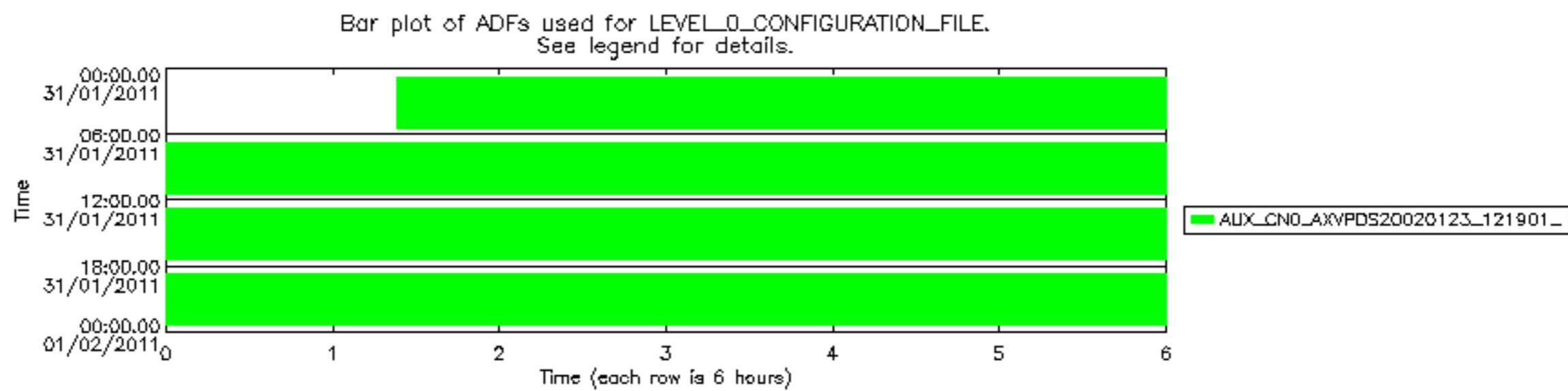






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

