

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	02MAY2011 05:24:07
Data source version	KSPT_L0/4504-N
Processing scope for products	27APR2011 00:00:00 to 28APR2011 00:00:00
Start time of first product within scope	27APR2011 00:33:07
Stop time of last product within scope	28APR2011 01:37:09
Total number of level 0 products	19
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.

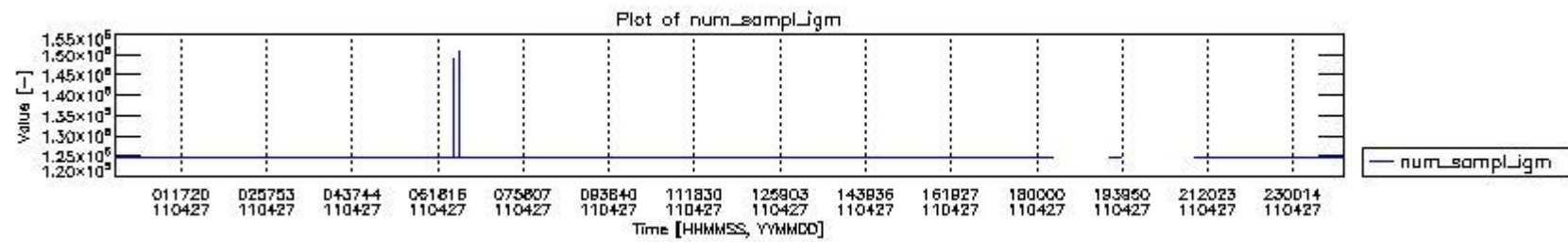
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110427_003307_000058533102_00016_47875_3517.N1	27APR2011 00:33:07	27APR2011 02:10:41	0	0	0	0	0
1	MIP_NL__0PNPDE20110427_020942_000045403102_00017_47876_3518.N1	27APR2011 02:09:42	27APR2011 03:25:22	0	0	0	0	0
2	MIP_NL__0PNPDE20110427_032448_000042873102_00018_47877_3519.N1	27APR2011 03:24:48	27APR2011 04:36:15	0	0	0	0	0
3	MIP_NL__0PNPDE20110427_043615_000018473102_00019_47878_3521.N1	27APR2011 04:36:15	27APR2011 05:07:02	0	0	0	0	0
4	MIP_NL__0PNPDE20110427_050704_000047763102_00019_47878_3520.N1	27APR2011 05:07:04	27APR2011 06:26:39	0	0	0	0	0
5	MIP_NL__0PNPDE20110427_062639_000012153102_00020_47879_3522.N1	27APR2011 06:26:39	27APR2011 06:46:54	0	0	0	0	0
6	MIP_NL__0PNPDK20110427_064621_000041133102_00020_47879_4964.N1	27APR2011 06:46:21	27APR2011 07:54:54	0	0	0	0	0
7	MIP_NL__0PNPDK20110427_075421_000061403102_00021_47880_4968.N1	27APR2011 07:54:21	27APR2011 09:36:41	0	0	0	0	0
8	MIP_NL__0PNPDK20110427_093555_000059273102_00022_47881_4966.N1	27APR2011 09:35:55	27APR2011 11:14:41	1	1	0	0	0
9	MIP_NL__0PNPDK20110427_111357_000060523102_00023_47882_4974.N1	27APR2011 11:13:57	27APR2011 12:54:49	0	0	0	0	0
10	MIP_NL__0PNPDK20110427_125416_000058933102_00024_47883_4969.N1	27APR2011 12:54:16	27APR2011 14:32:29	0	0	0	0	0
11	MIP_NL__0PNPDK20110427_143155_000058433102_00025_47884_4970.N1	27APR2011 14:31:55	27APR2011 16:09:18	0	0	0	0	0
12	MIP_NL__0PNPDK20110427_160826_000059123102_00026_47885_4971.N1	27APR2011 16:08:26	27APR2011 17:46:58	0	0	0	0	0
13	MIP_NL__0PNPDK20110427_174602_000019283102_00027_47886_4972.N1	27APR2011 17:46:02	27APR2011 18:18:10	0	0	0	0	0
14	MIP_NL__0PNPDK20110427_192423_000008253102_00028_47887_4973.N1	27APR2011 19:24:23	27APR2011 19:38:08	0	0	0	0	0
15	MIP_NL__0PNPDE20110427_210440_000043413102_00029_47888_3523.N1	27APR2011 21:04:40	27APR2011 22:17:01	0	0	0	0	0
16	MIP_NL__0PNPDE20110427_221600_000038793102_00029_47888_3524.N1	27APR2011 22:16:00	27APR2011 23:20:40	0	0	0	0	0
17	MIP_NL__0PNPDE20110427_232000_000022983102_00030_47889_3529.N1	27APR2011 23:20:00	27APR2011 23:58:18	0	0	0	0	0
18	MIP_NL__0PNPDE20110427_235742_000059663102_00030_47889_3525.N1	27APR2011 23:57:42	28APR2011 01:37:09	0	0	0	0	0

0.2 Instrument Operational Performance Parameters

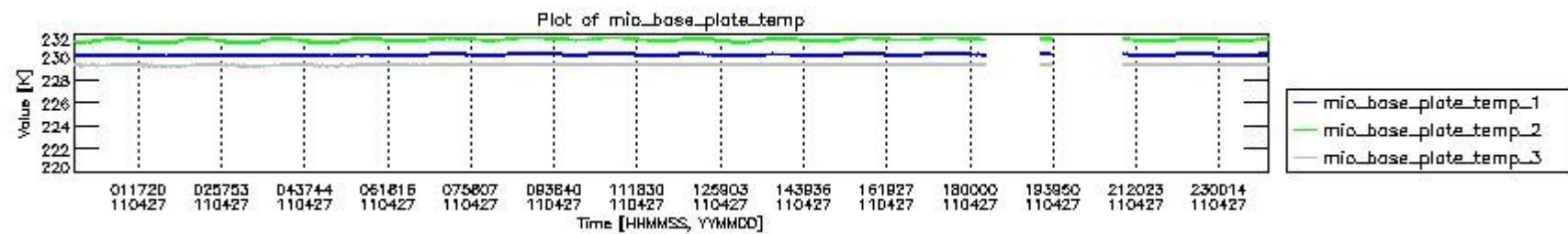
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

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

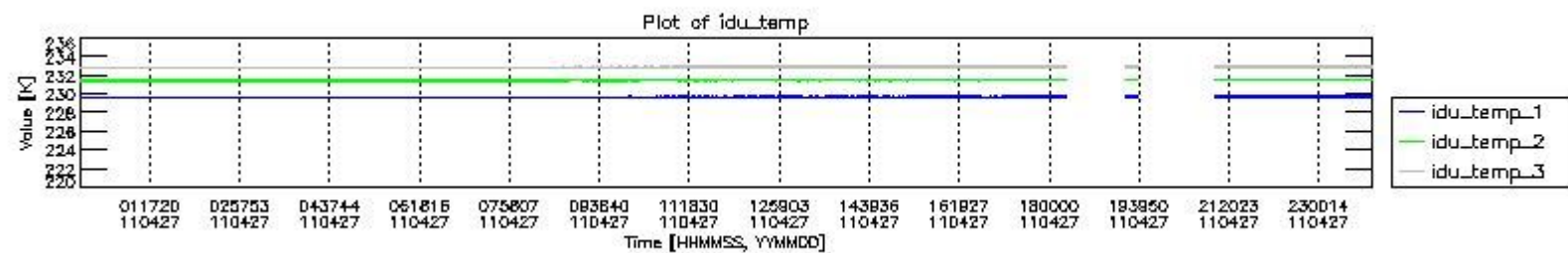
Number of igm samples	Count [#]	Count [%]
124800	34492	92.880224
124803	2638	7.1036191
126713	1	0.0026928048
127828	1	0.0026928048
146845	1	0.0026928048
147960	1	0.0026928048
148758	1	0.0026928048
150988	1	0.0026928048



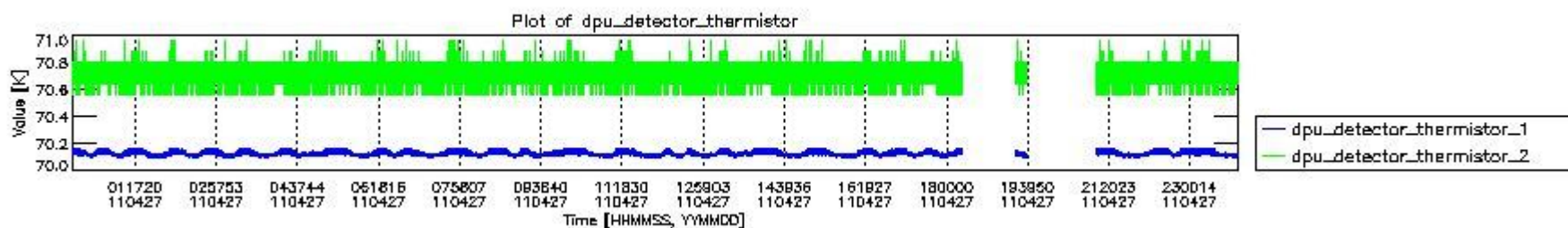
mipas_daily_report_level0_KSPT_L0_4504_N_20110427_0.PNG



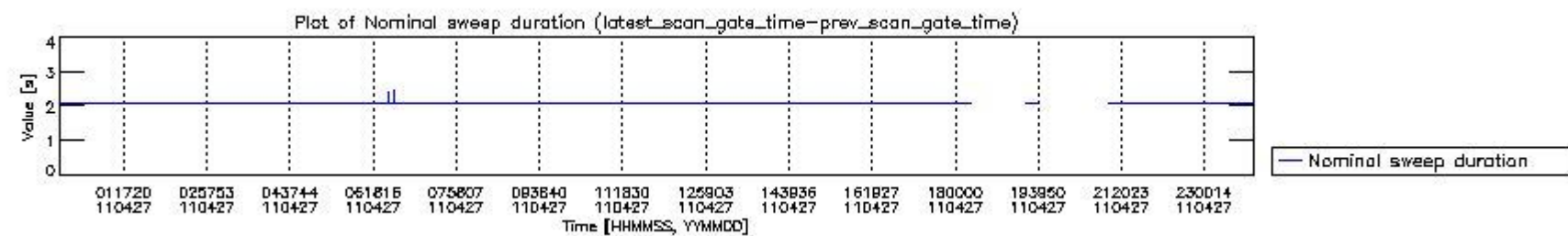
mipas_daily_report_level0_KSPT_L0_4504_N_20110427_1.PNG



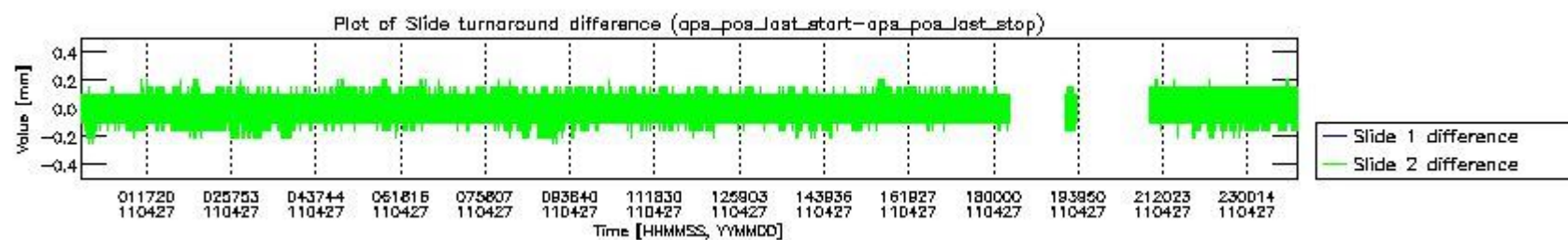
mipas_daily_report_level0_KSPT_L0_4504_N_20110427_2.PNG



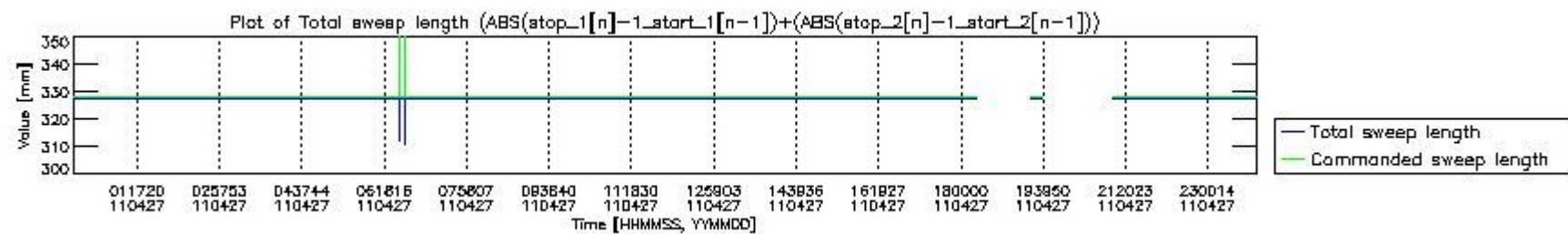
mipas_daily_report_level0_KSPT_L0_4504_N_20110427_3.PNG



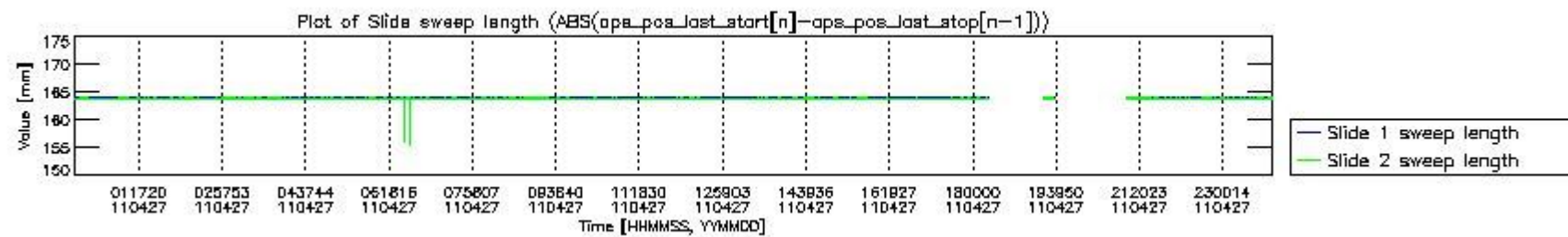
mipas_daily_report_level0_KSPT_L0_4504_N_20110427_4.PNG



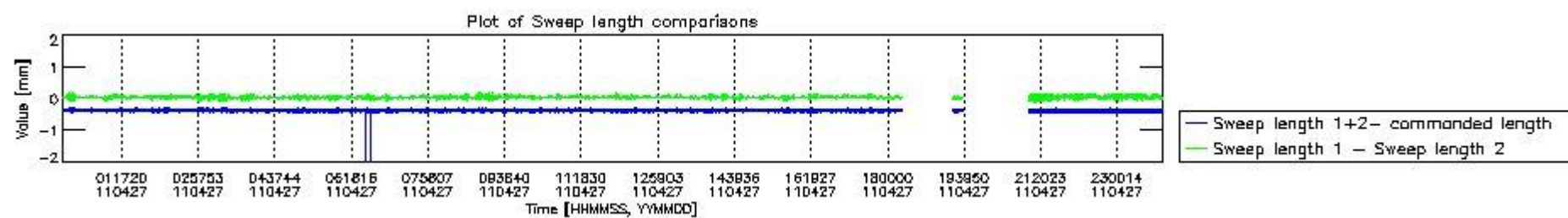
mipas_daily_report_level0_KSPT_L0_4504_N_20110427_5.PNG



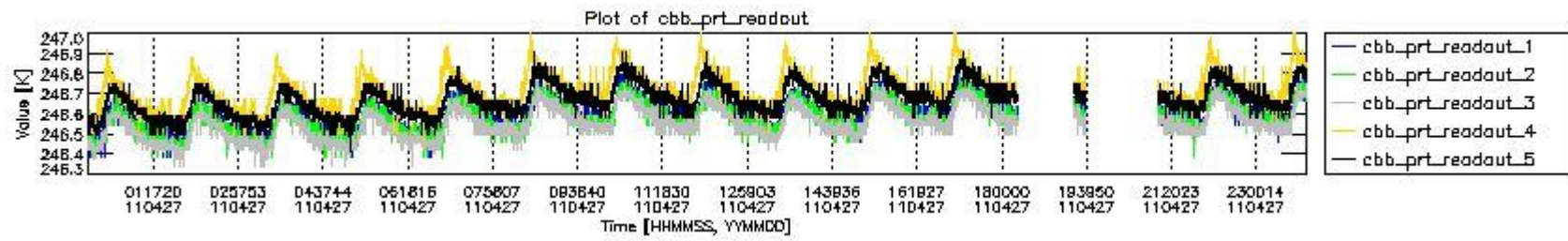
mipas_daily_report_level0_KSPT_L0_4504_N_20110427_6.PNG



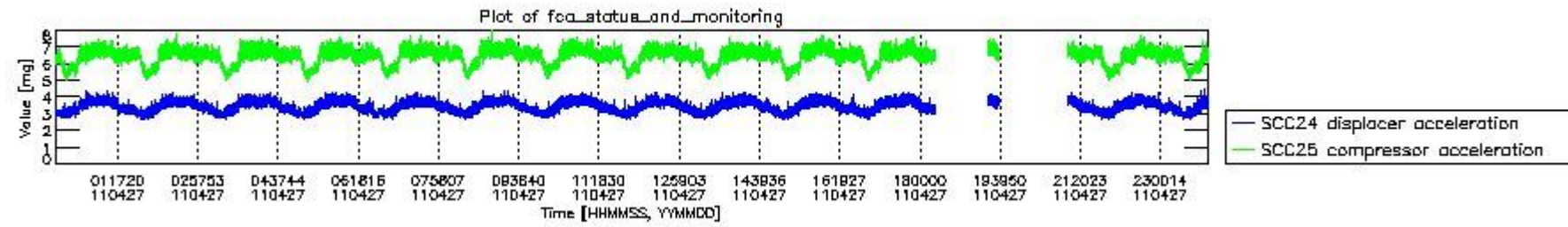
mipas_daily_report_level0_KSPT_L0_4504_N_20110427_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110427_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110427_9.PNG

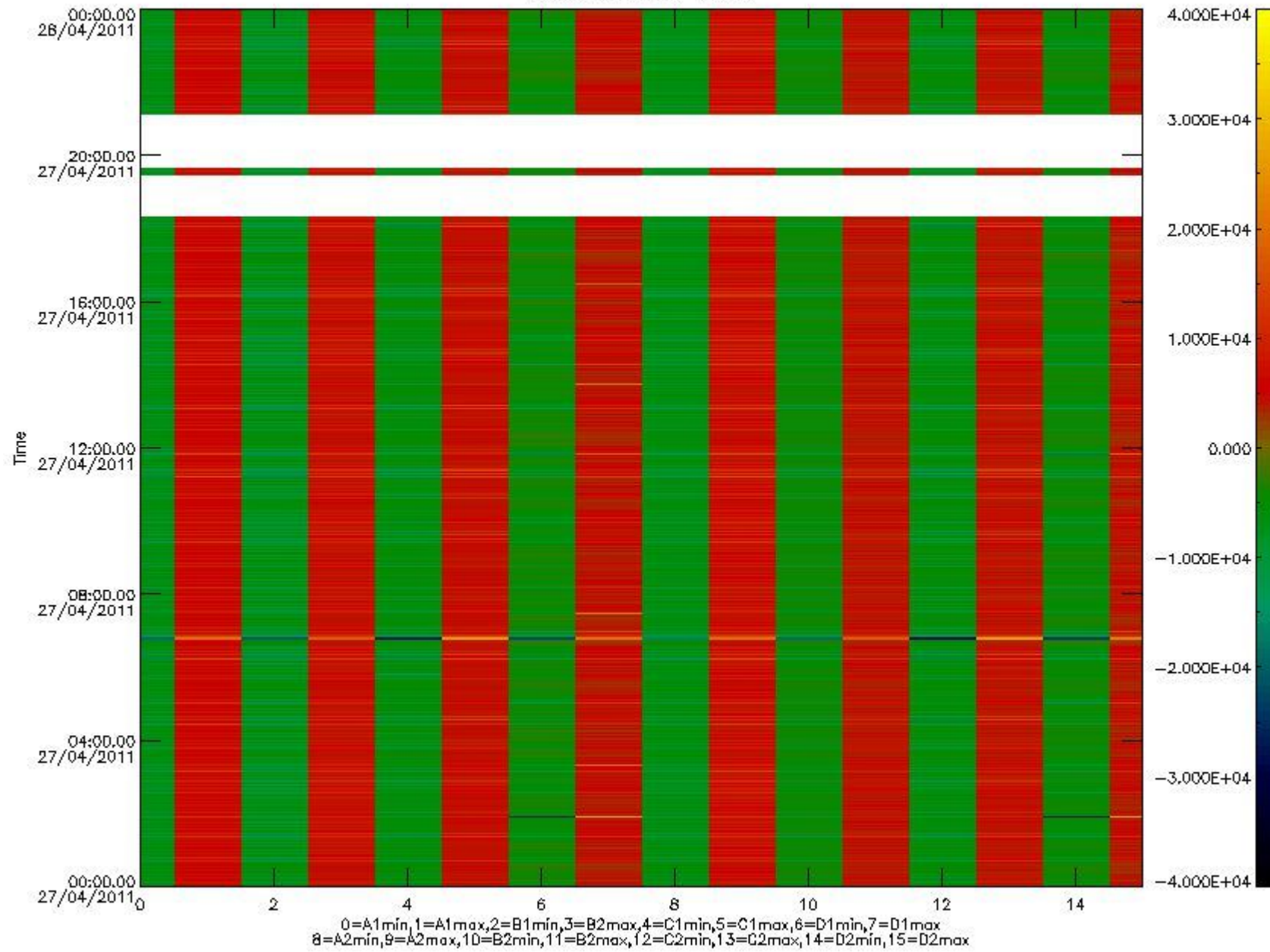


mipas_daily_report_level0_KSPT_L0_4504_N_20110427_10.PNG

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

Channel	Min	Max	ADC
A1	-19029	20457	16bit
B1	-21861	18488	16bit
C1	-26562	26535	16bit
D1	-32768	32767	16bit
A2	-16386	20596	16bit
B2	-20188	19441	16bit
C2	-27593	27302	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_20110427_11.PNG

0.3 ADF monitoring

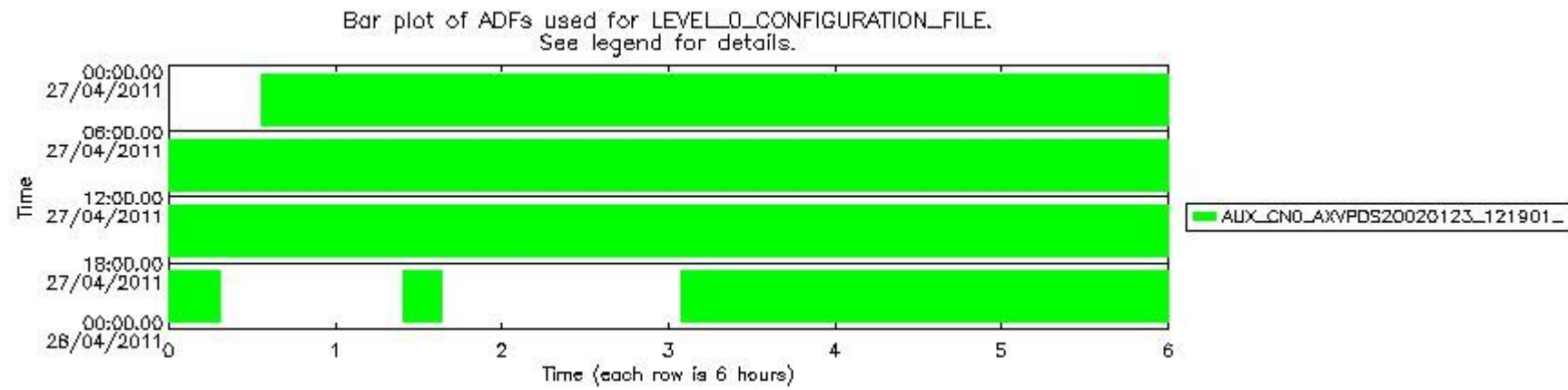
The use of ADFs is shown in two ways:

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.

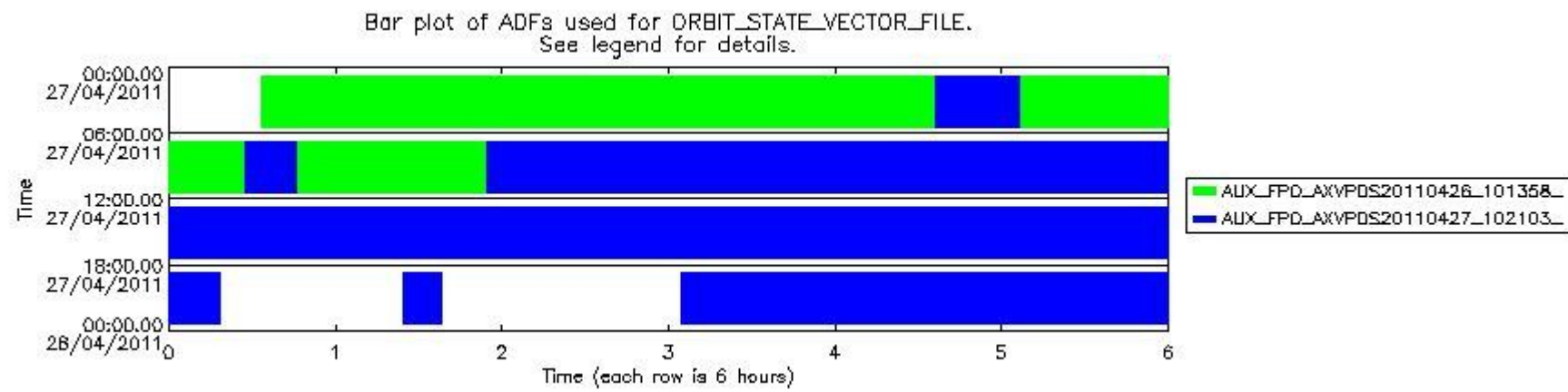
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110426_101358_20110425_184110_20110505_205458
2	AUX_FPO_AXVPDS20110427_102103_20110426_194440_20110506_201813

Number	Product name	#CN0	#FPO
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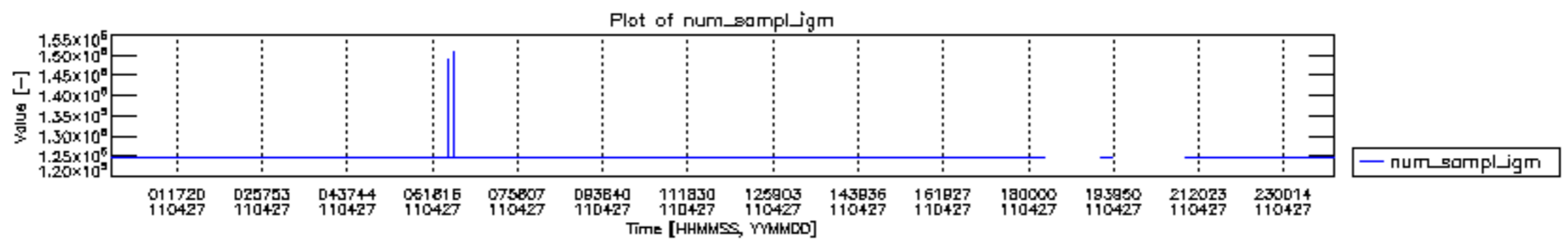
0	MIP_NL__0PNPDE20110427_003307_000058533102_00016_47875_3517.N1	0	1
1	MIP_NL__0PNPDE20110427_020942_000045403102_00017_47876_3518.N1	0	1
2	MIP_NL__0PNPDE20110427_032448_000042873102_00018_47877_3519.N1	0	1
3	MIP_NL__0PNPDE20110427_043615_000018473102_00019_47878_3521.N1	0	2
4	MIP_NL__0PNPDE20110427_050704_000047763102_00019_47878_3520.N1	0	1
5	MIP_NL__0PNPDE20110427_062639_000012153102_00020_47879_3522.N1	0	2
6	MIP_NL__0PNPDK20110427_064621_000041133102_00020_47879_4964.N1	0	1
7	MIP_NL__0PNPDK20110427_075421_000061403102_00021_47880_4968.N1	0	2
8	MIP_NL__0PNPDK20110427_093555_000059273102_00022_47881_4966.N1	0	2
9	MIP_NL__0PNPDK20110427_111357_000060523102_00023_47882_4974.N1	0	2
10	MIP_NL__0PNPDK20110427_125416_000058933102_00024_47883_4969.N1	0	2
11	MIP_NL__0PNPDK20110427_143155_000058433102_00025_47884_4970.N1	0	2
12	MIP_NL__0PNPDK20110427_160826_000059123102_00026_47885_4971.N1	0	2
13	MIP_NL__0PNPDK20110427_174602_000019283102_00027_47886_4972.N1	0	2
14	MIP_NL__0PNPDK20110427_192423_000008253102_00028_47887_4973.N1	0	2
15	MIP_NL__0PNPDE20110427_210440_000043413102_00029_47888_3523.N1	0	2
16	MIP_NL__0PNPDE20110427_221600_000038793102_00029_47888_3524.N1	0	2
17	MIP_NL__0PNPDE20110427_232000_000022983102_00030_47889_3529.N1	0	2
18	MIP_NL__0PNPDE20110427_235742_000059663102_00030_47889_3525.N1	0	2

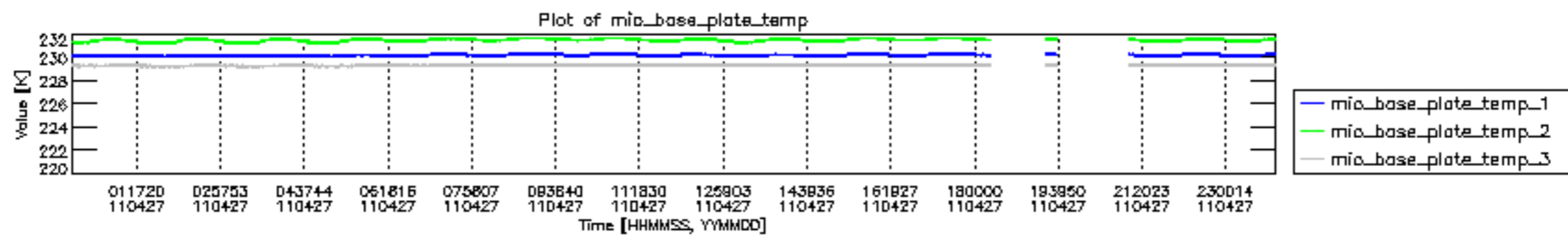


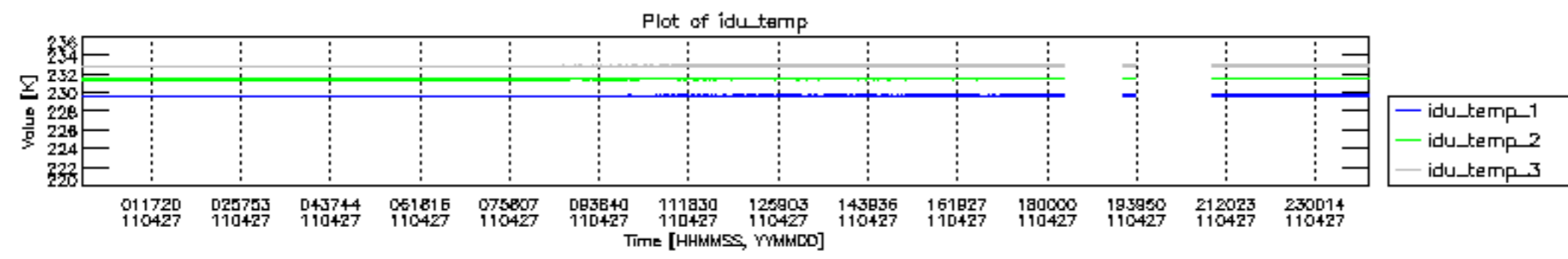
mipas_daily_report_level0_KSPT_L0_4504_N_20110427_12.PNG

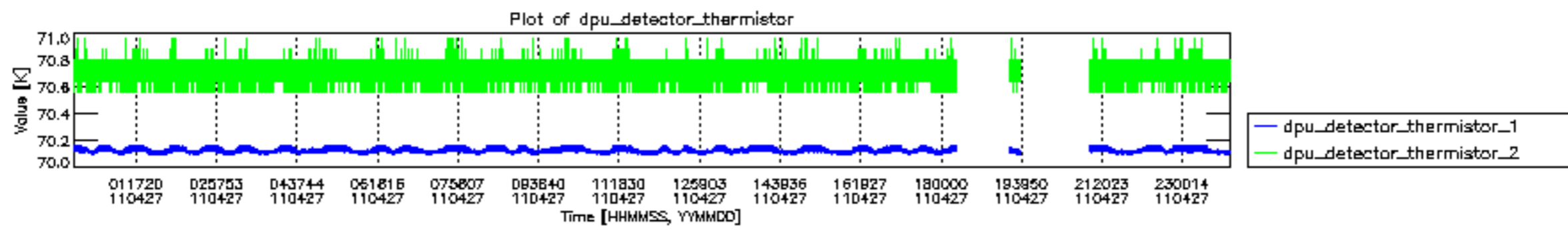


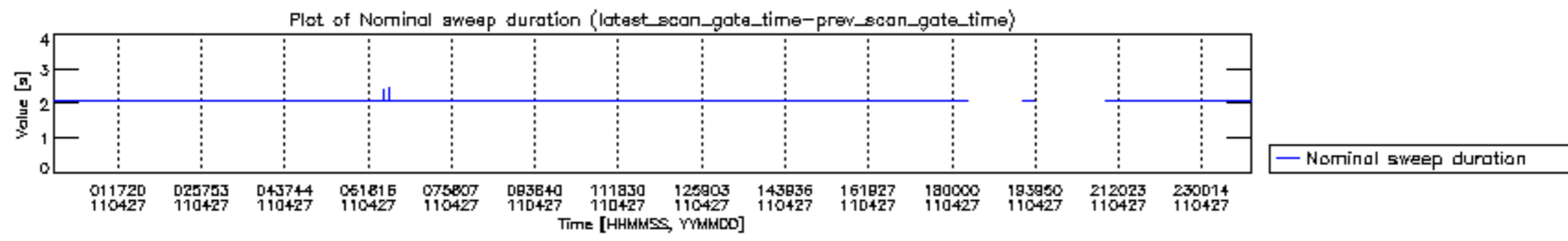
mipas_daily_report_level0_KSPT_L0_4504_N_20110427_13.PNG

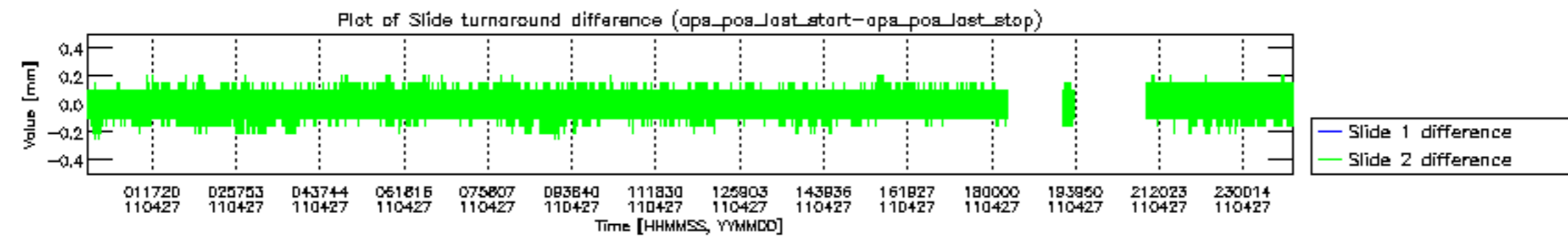


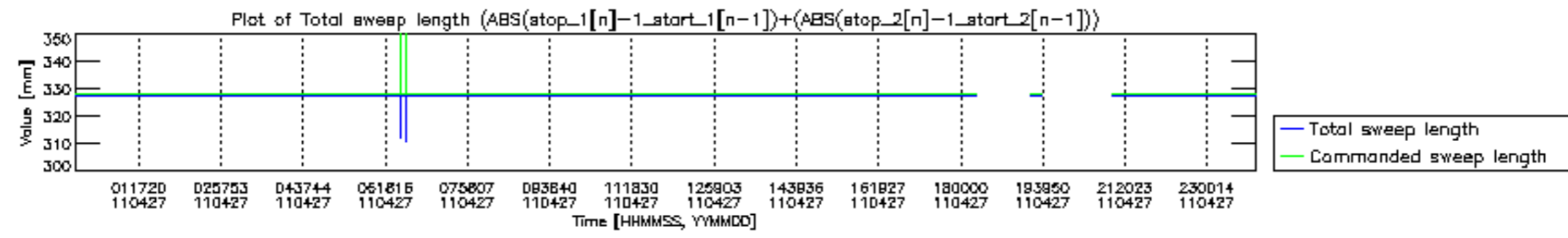


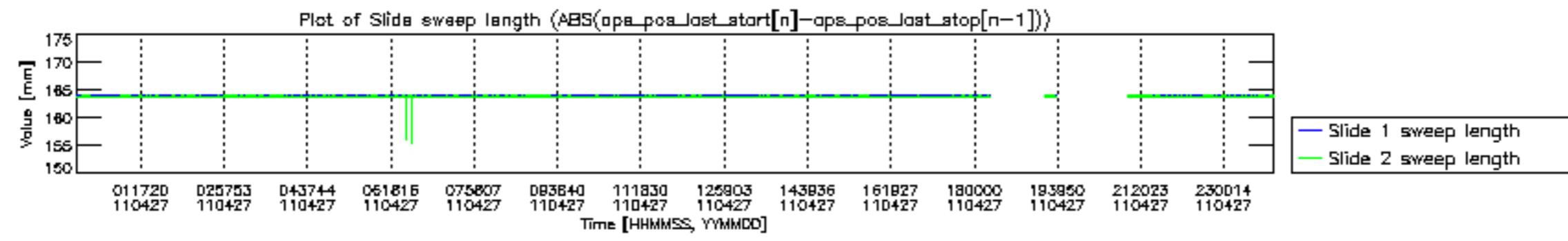


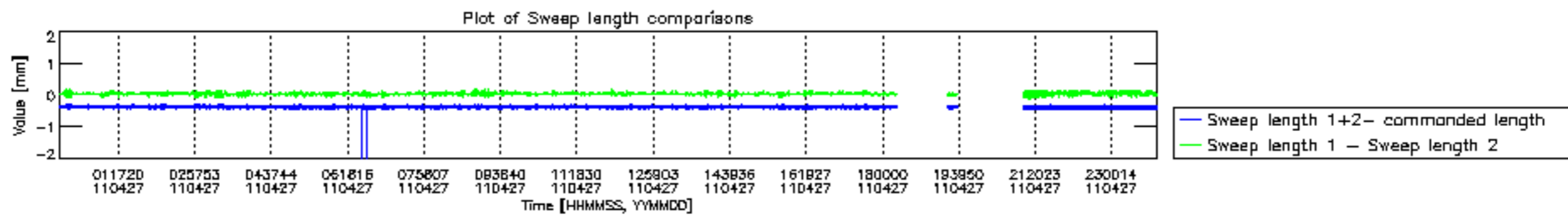


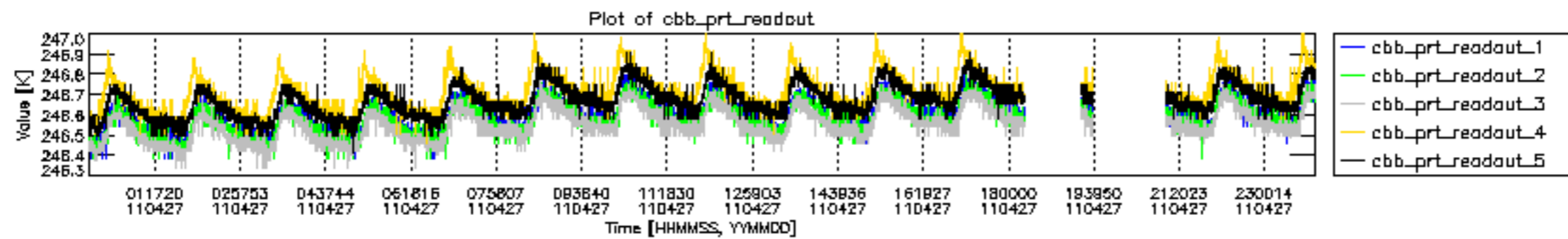


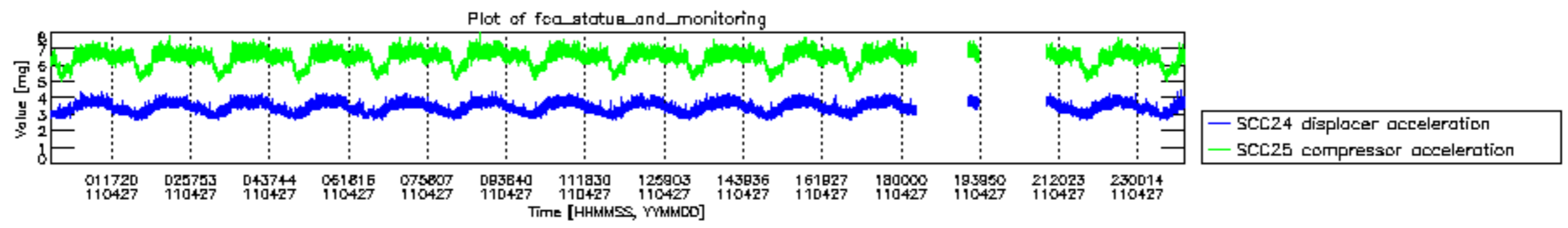




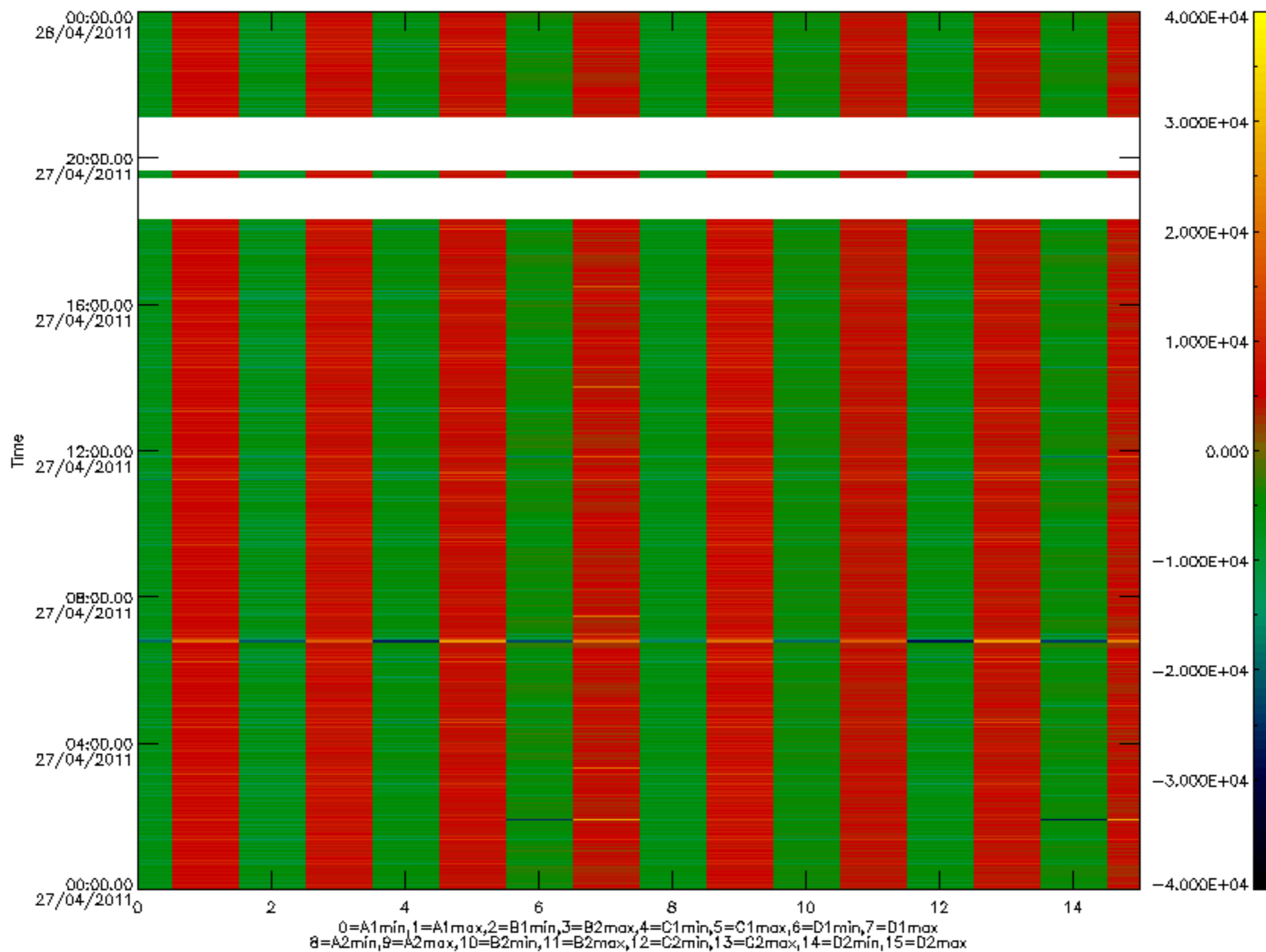


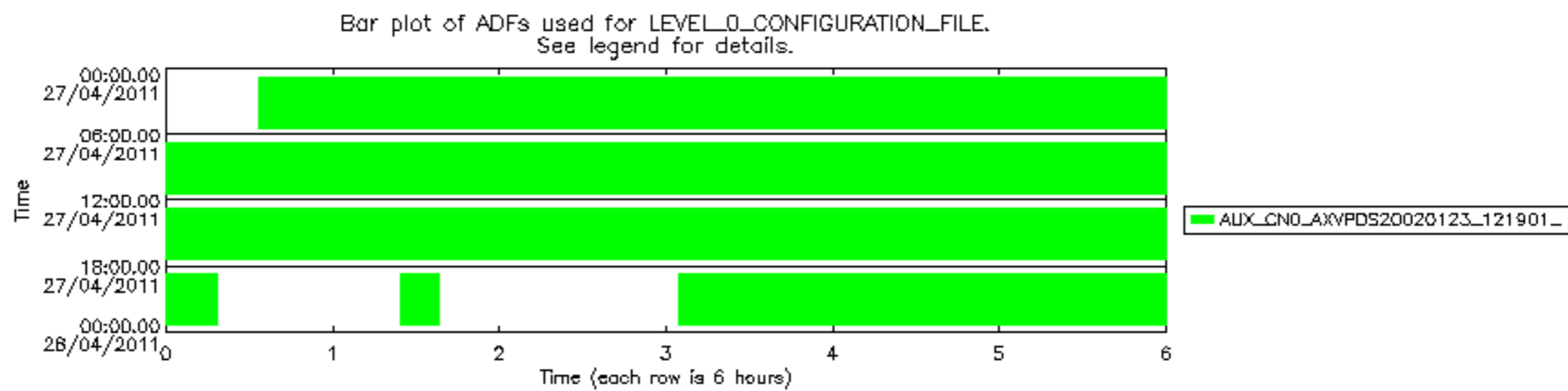






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

