

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	28APR2011 15:38:24
Data source version	KSPT_L0/4504-N
Processing scope for products	23APR2011 00:00:00 to 24APR2011 00:00:00
Start time of first product within scope	23APR2011 01:19:09
Stop time of last product within scope	24APR2011 00:44:57
Total number of level 0 products	14
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__0PNPDE20110423_011909_000103473101_00390_47818_3490.N1	23APR2011 01:19:09	23APR2011 04:11:37	0	0	0	0	0
1	MIP_NL__0PNPDE20110423_041103_000061943101_00392_47820_3491.N1	23APR2011 04:11:03	23APR2011 05:54:17	0	0	0	0	0
2	MIP_NL__0PNPDE20110423_055342_000061633101_00393_47821_3492.N1	23APR2011 05:53:42	23APR2011 07:36:25	0	0	0	0	0
3	MIP_NL__0PNPDK20110423_073553_000038903101_00394_47822_4929.N1	23APR2011 07:35:53	23APR2011 08:40:43	0	0	0	0	0
4	MIP_NL__0PNPDK20110423_084008_000061543101_00395_47823_4930.N1	23APR2011 08:40:08	23APR2011 10:22:42	0	0	0	0	0
5	MIP_NL__0PNPDK20110423_102202_000059453101_00396_47824_4931.N1	23APR2011 10:22:02	23APR2011 12:01:08	0	0	0	0	0
6	MIP_NL__0PNPDK20110423_120024_000059753101_00397_47825_4932.N1	23APR2011 12:00:24	23APR2011 13:39:59	0	0	0	0	0
7	MIP_NL__0PNPDK20110423_133917_000059163101_00398_47826_4933.N1	23APR2011 13:39:17	23APR2011 15:17:53	0	0	0	0	0
8	MIP_NL__0PNPDK20110423_151711_000059183101_00399_47827_4934.N1	23APR2011 15:17:11	23APR2011 16:55:49	0	0	0	0	0
9	MIP_NL__0PNPDK20110423_165424_000058913101_00400_47828_4935.N1	23APR2011 16:54:24	23APR2011 18:32:35	0	0	0	0	0
10	MIP_NL__0PNPDK20110423_183113_000059833101_00401_47829_4936.N1	23APR2011 18:31:13	23APR2011 20:10:56	0	0	0	0	0
11	MIP_NL__0PNPDE20110423_200920_000044183101_00402_47830_3493.N1	23APR2011 20:09:20	23APR2011 21:22:59	0	0	0	0	0
12	MIP_NL__0PNPDE20110423_212204_000061523101_00402_47830_3494.N1	23APR2011 21:22:04	23APR2011 23:04:37	0	0	0	0	0
13	MIP_NL__0PNPDE20110423_230334_000060833101_00403_47831_3495.N1	23APR2011 23:03:34	24APR2011 00:44:57	0	0	0	0	0

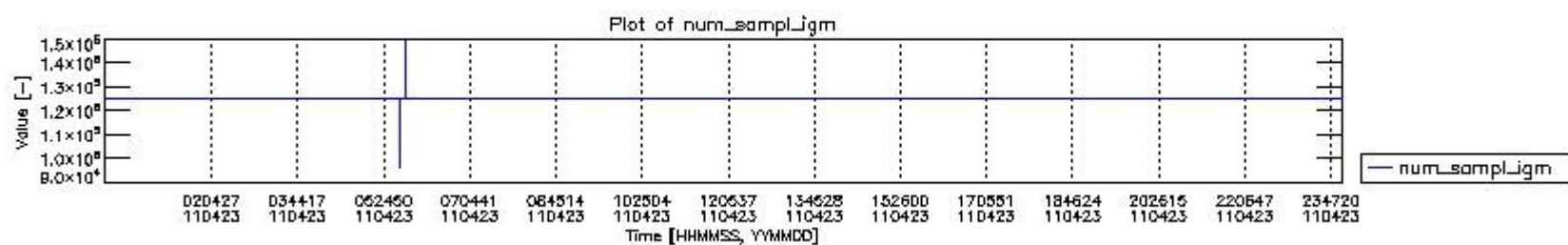
0.2 Instrument Operational Performance Parameters

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.

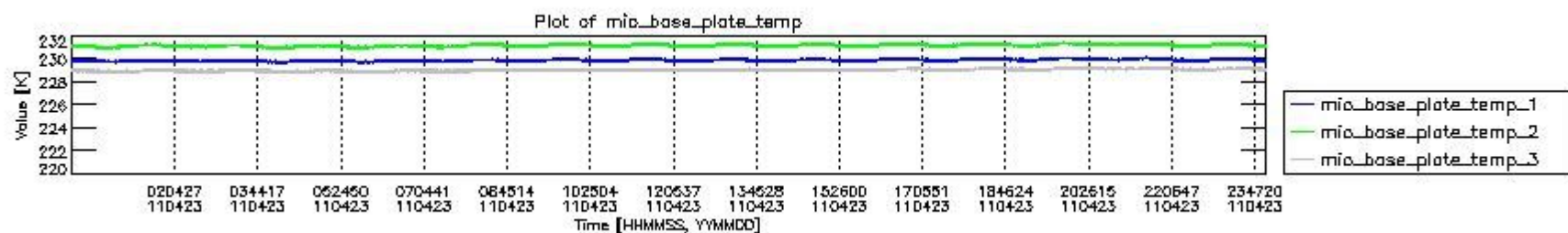
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
96422	1	0.0024051181
100545	1	0.0024051181
120677	1	0.0024051181
124800	38624	92.895281

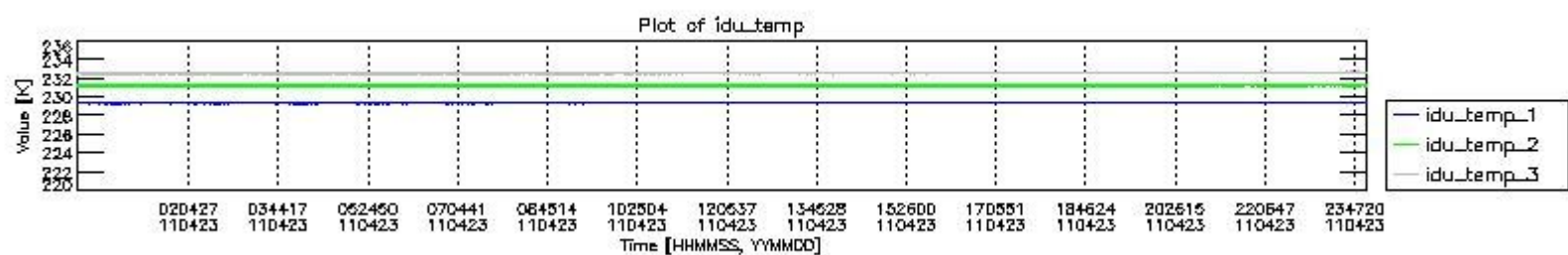
124803	2948	7.0902881
127233	1	0.0024051181
147365	1	0.0024051181
149798	1	0.0024051181



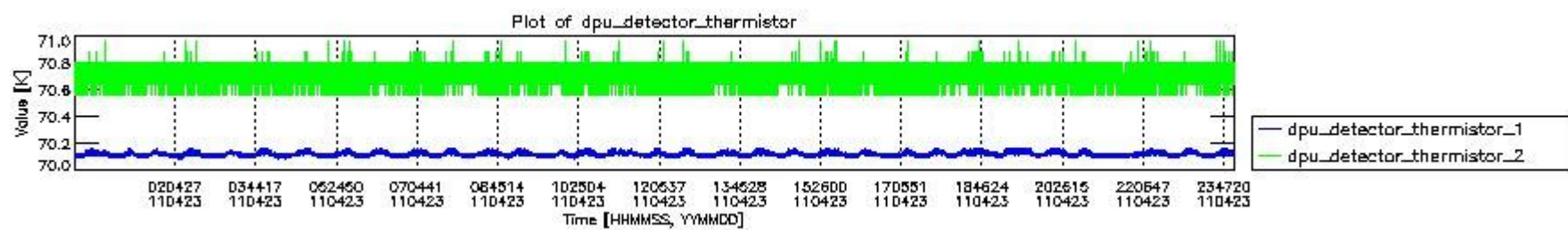
mipas_daily_report_level0_KSPT_L0_4504_N_20110423_0.PNG



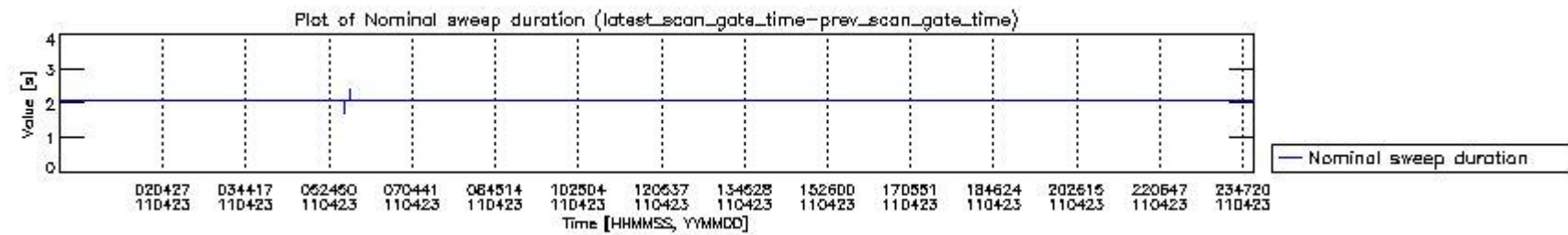
mipas_daily_report_level0_KSPT_L0_4504_N_20110423_1.PNG



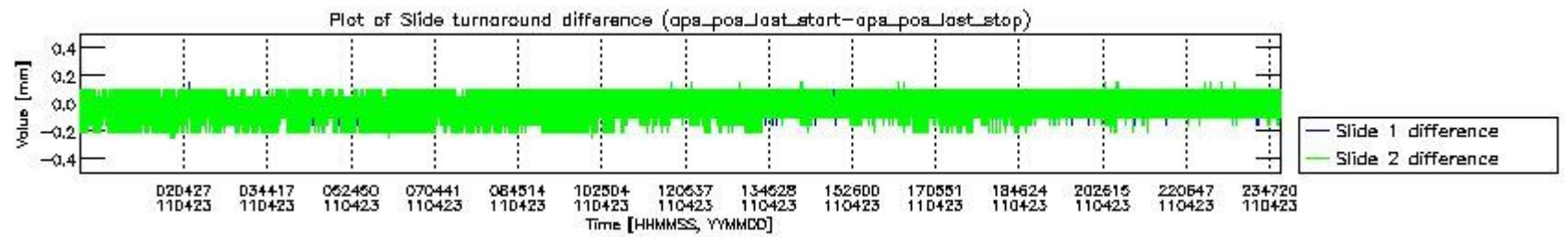
mipas_daily_report_level0_KSPT_L0_4504_N_20110423_2.PNG



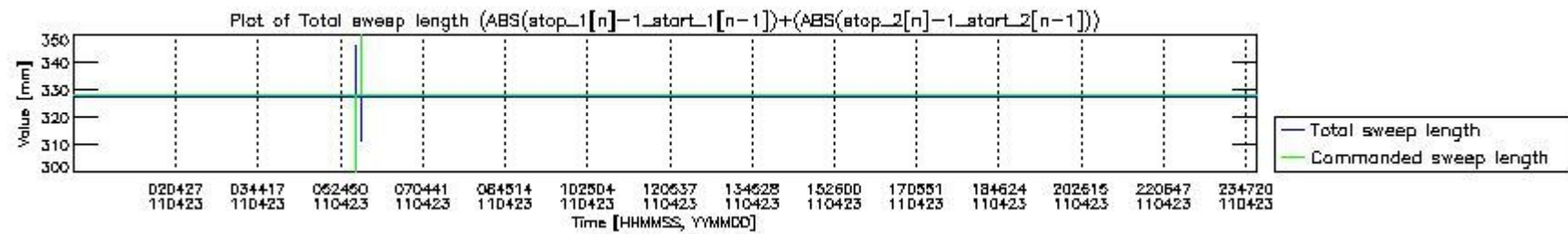
mipas_daily_report_level0_KSPT_L0_4504_N_20110423_3.PNG



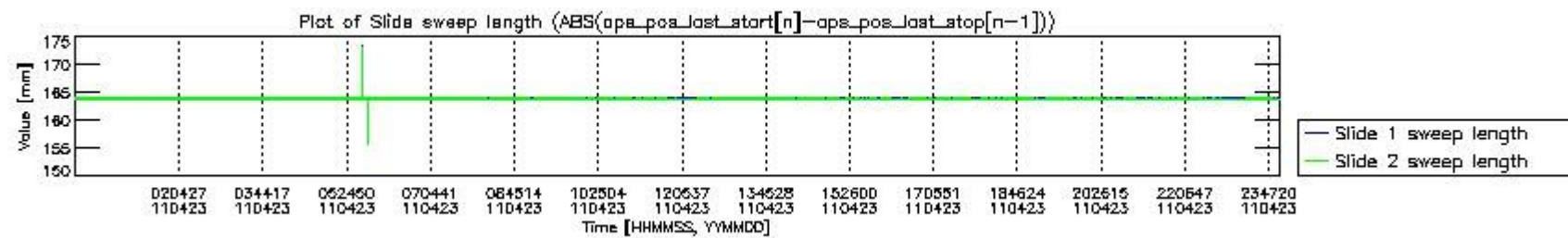
mipas_daily_report_level0_KSPT_L0_4504_N_20110423_4.PNG



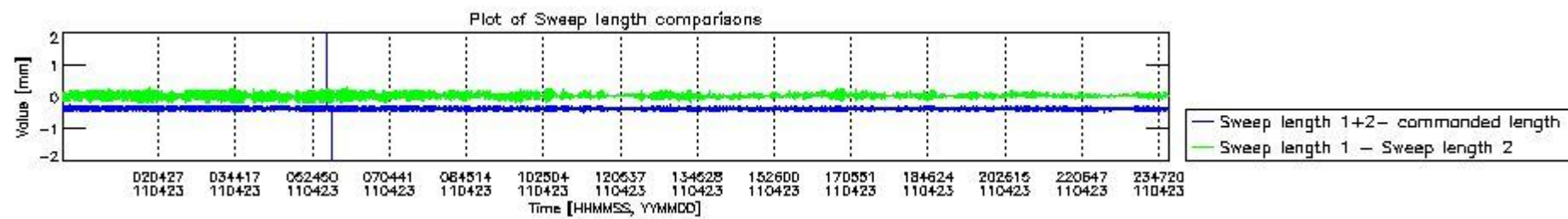
mipas_daily_report_level0_KSPT_L0_4504_N_20110423_5.PNG



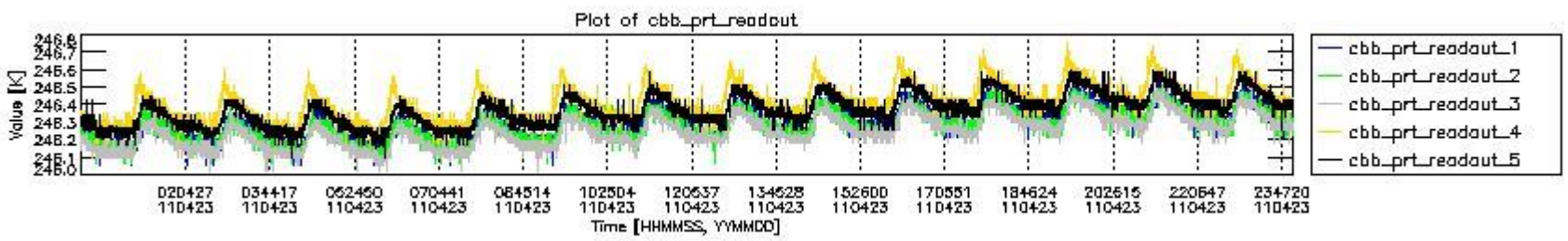
mipas_daily_report_level0_KSPT_L0_4504_N_20110423_6.PNG



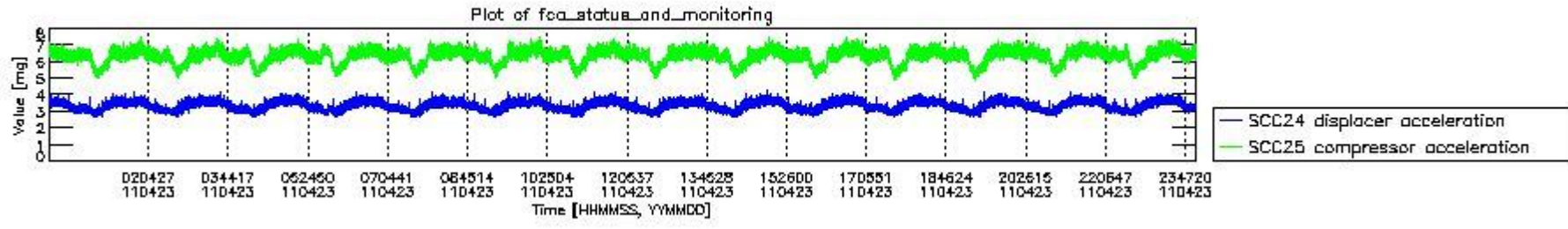
mipas_daily_report_level0_KSPT_L0_4504_N_20110423_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110423_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110423_9.PNG

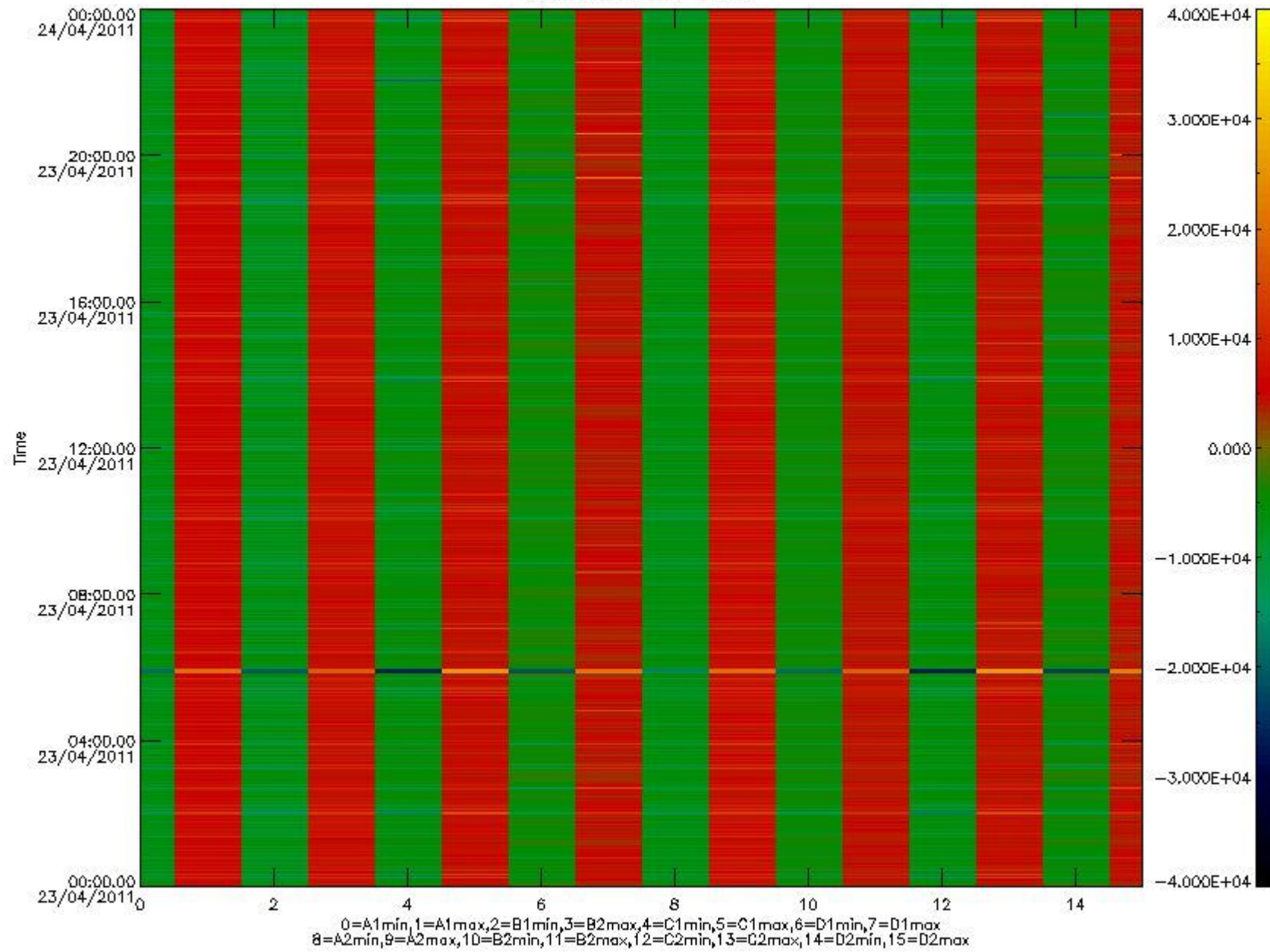


mipas_daily_report_level0_KSPT_L0_4504_N_20110423_10.PNG

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

Channel	Min	Max	ADC
A1	-18966	20398	16bit
B1	-21666	18359	16bit
C1	-26255	26167	16bit
D1	-32768	32767	16bit
A2	-16324	20515	16bit
B2	-19990	19255	16bit
C2	-27296	26892	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_20110423_11.PNG

0.3 ADF monitoring

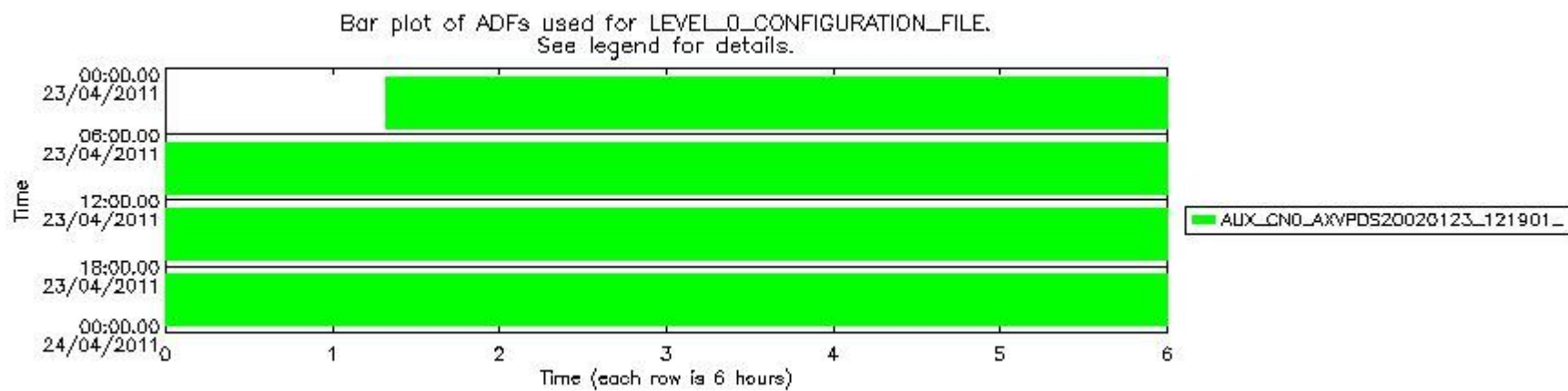
The use of ADFs is shown in two ways:

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.

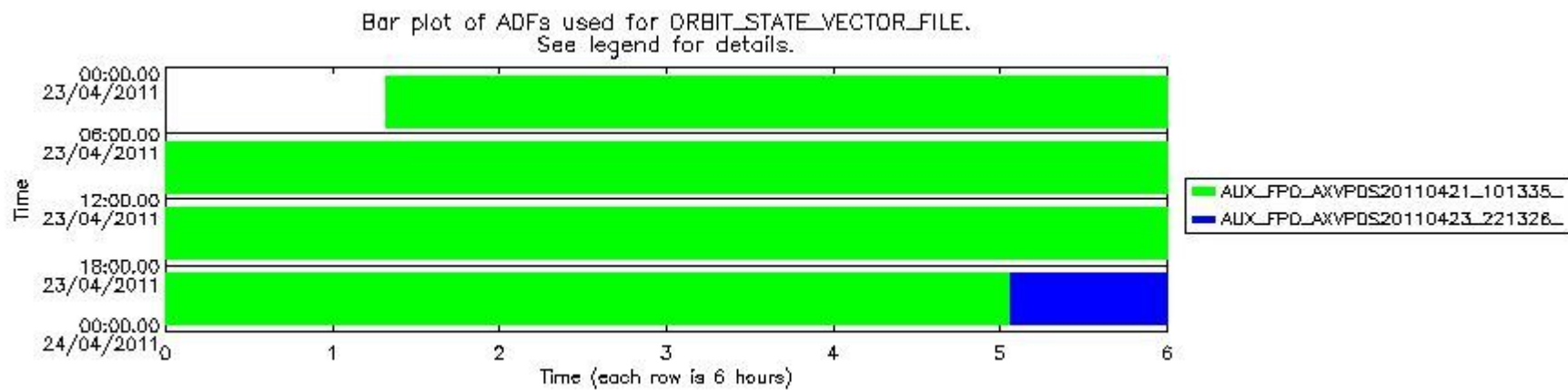
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110421_101335_20110420_182423_20110430_203811
2	AUX_FPO_AXVPDS20110423_221326_20110422_185109_20110502_210457

Number	Product name	#CN0	#FPO
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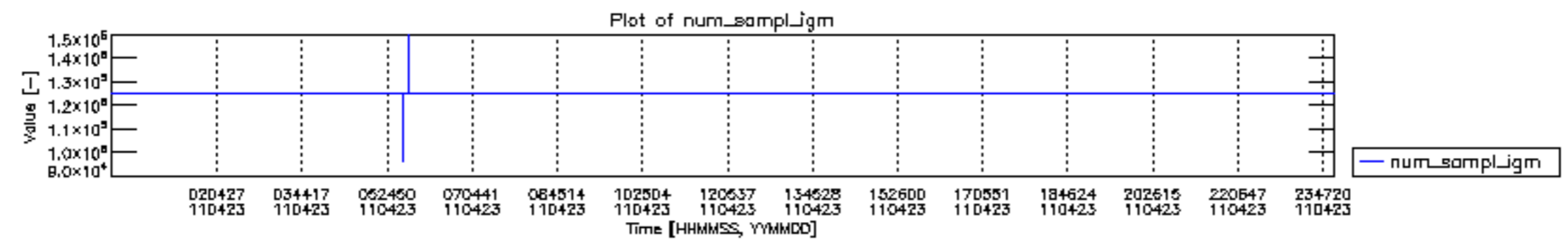
0	MIP_NL__0PNPDE20110423_011909_000103473101_00390_47818_3490.N1	0	1
1	MIP_NL__0PNPDE20110423_041103_000061943101_00392_47820_3491.N1	0	1
2	MIP_NL__0PNPDE20110423_055342_000061633101_00393_47821_3492.N1	0	1
3	MIP_NL__0PNPDK20110423_073553_000038903101_00394_47822_4929.N1	0	1
4	MIP_NL__0PNPDK20110423_084008_000061543101_00395_47823_4930.N1	0	1
5	MIP_NL__0PNPDK20110423_102202_000059453101_00396_47824_4931.N1	0	1
6	MIP_NL__0PNPDK20110423_120024_000059753101_00397_47825_4932.N1	0	1
7	MIP_NL__0PNPDK20110423_133917_000059163101_00398_47826_4933.N1	0	1
8	MIP_NL__0PNPDK20110423_151711_000059183101_00399_47827_4934.N1	0	1
9	MIP_NL__0PNPDK20110423_165424_000058913101_00400_47828_4935.N1	0	1
10	MIP_NL__0PNPDK20110423_183113_000059833101_00401_47829_4936.N1	0	1
11	MIP_NL__0PNPDE20110423_200920_000044183101_00402_47830_3493.N1	0	1
12	MIP_NL__0PNPDE20110423_212204_000061523101_00402_47830_3494.N1	0	1
13	MIP_NL__0PNPDE20110423_230334_000060833101_00403_47831_3495.N1	0	2

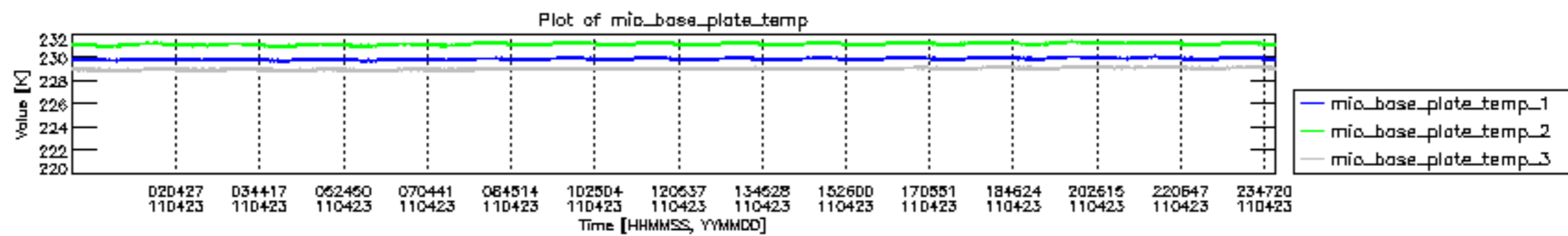


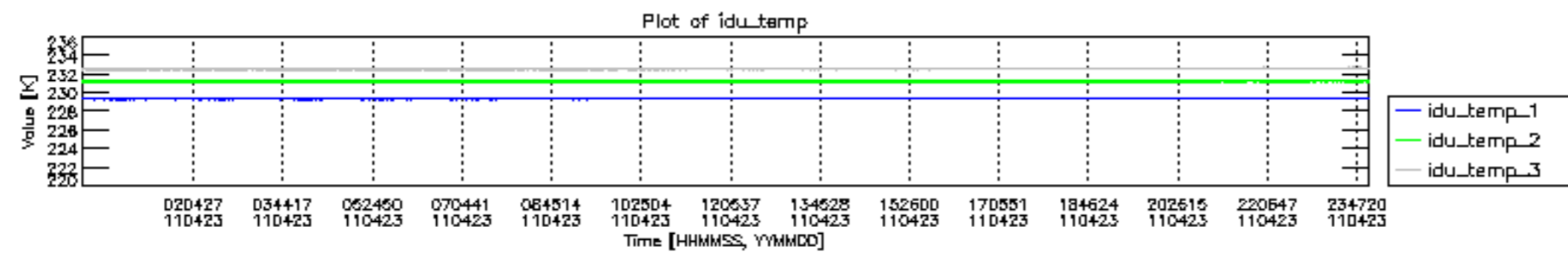
mipas_daily_report_level0_KSPT_L0_4504_N_20110423_12.PNG

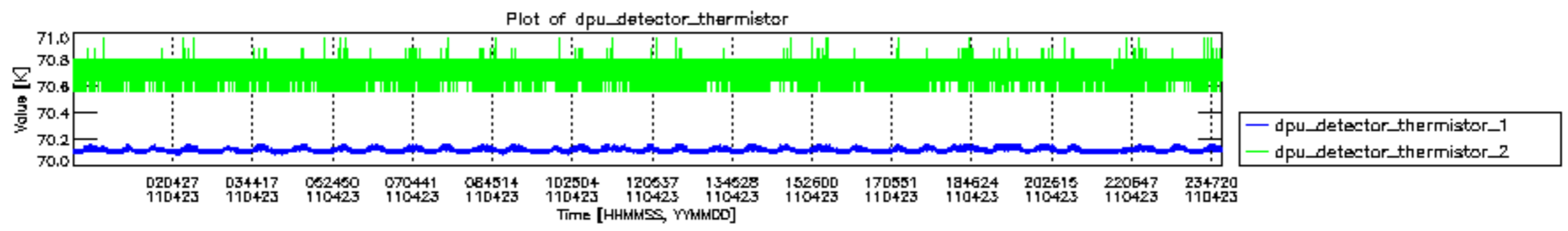


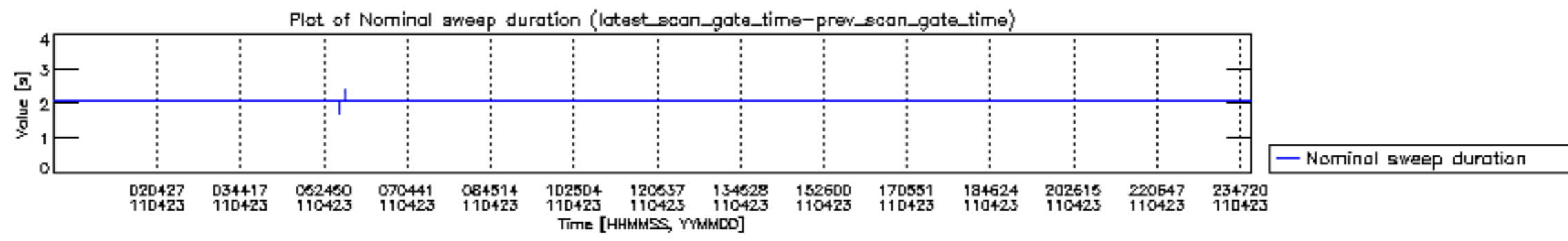
mipas_daily_report_level0_KSPT_L0_4504_N_20110423_13.PNG

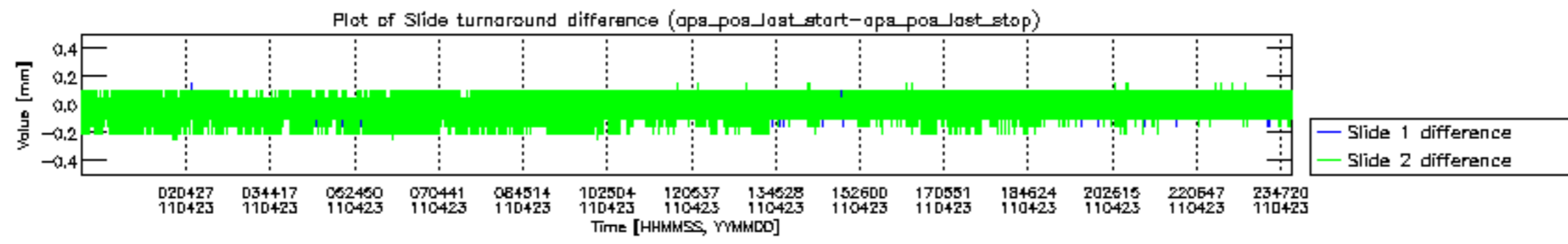


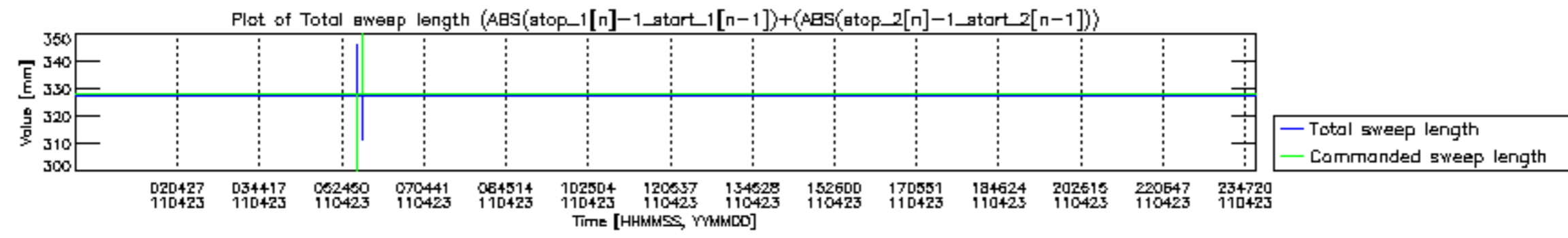


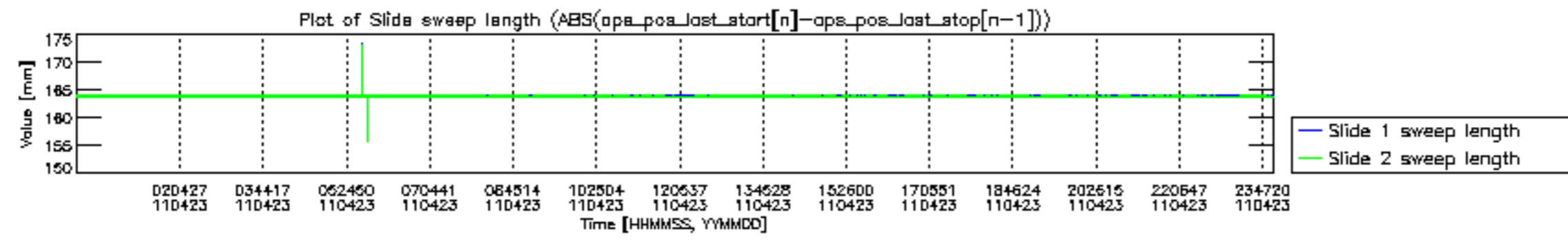


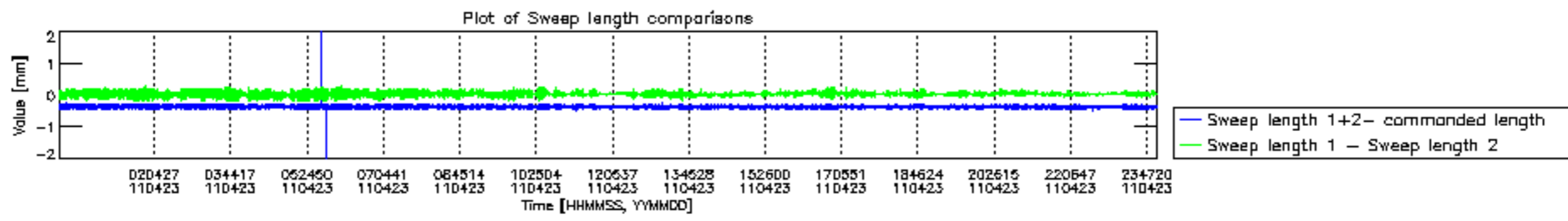


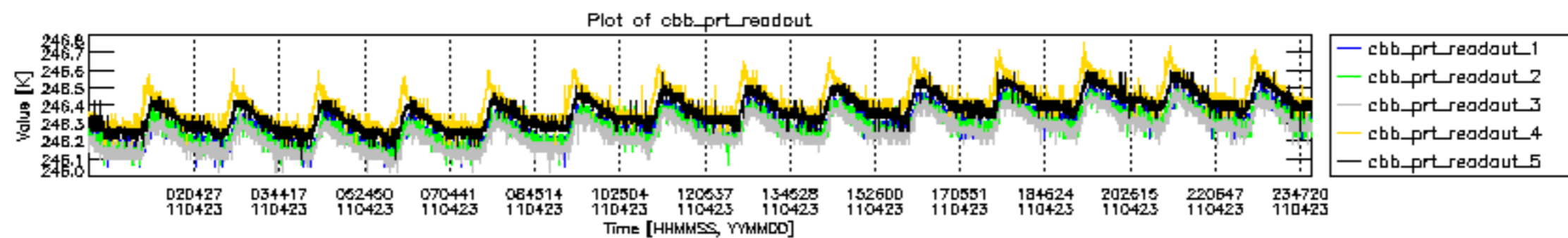


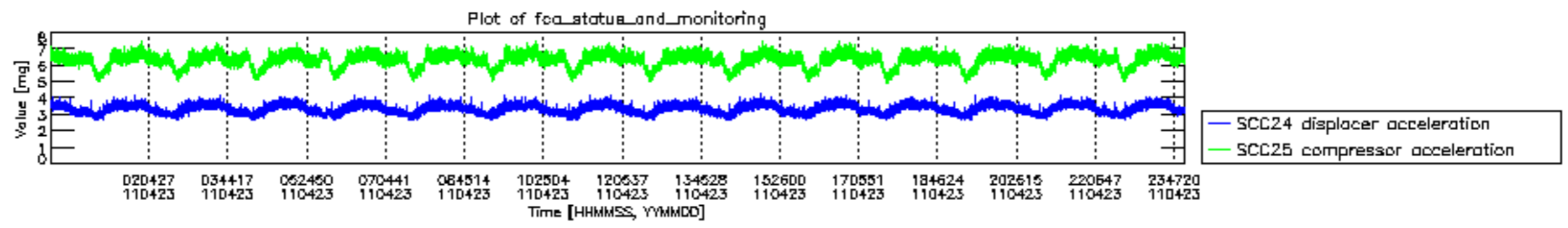




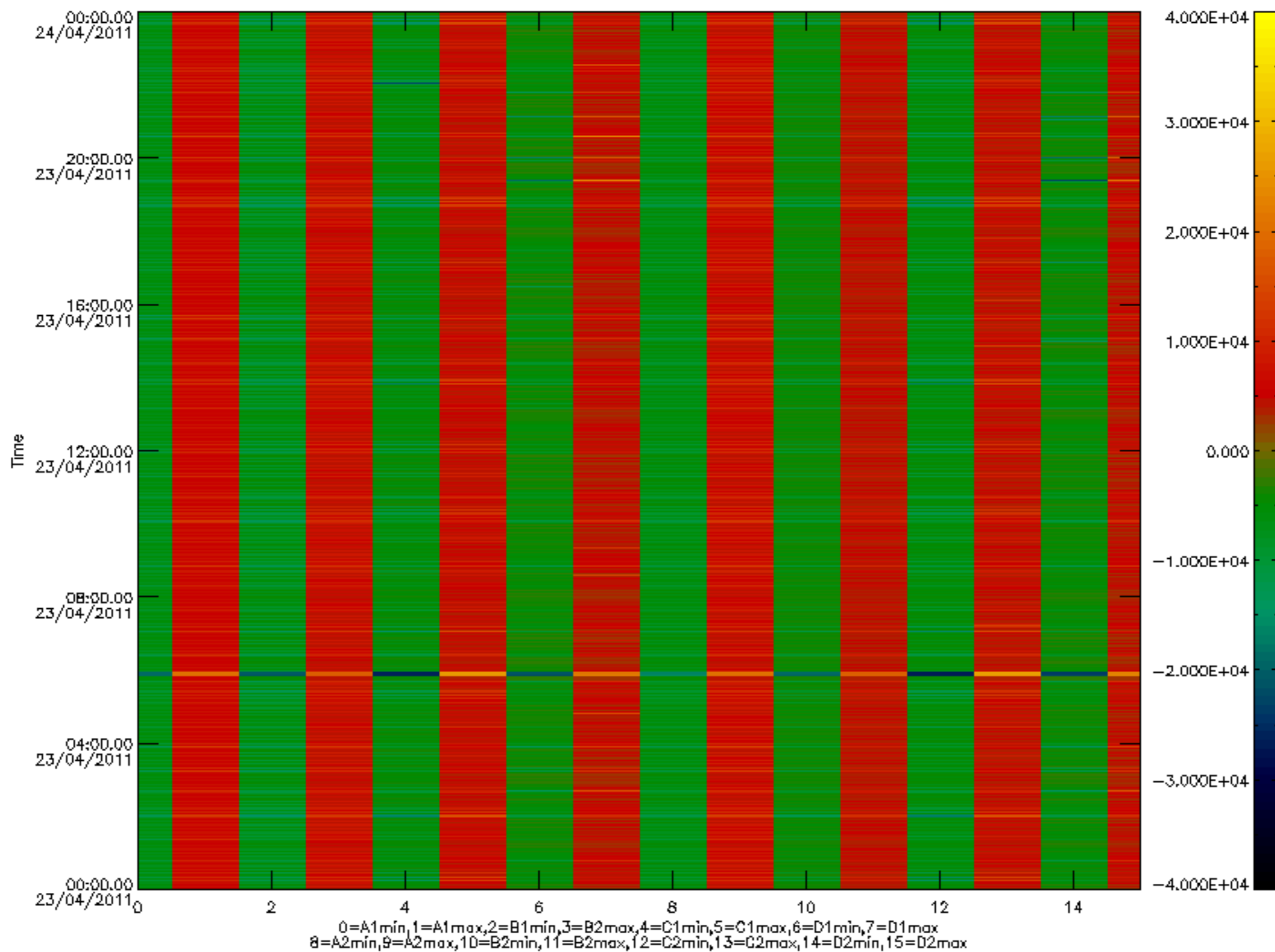


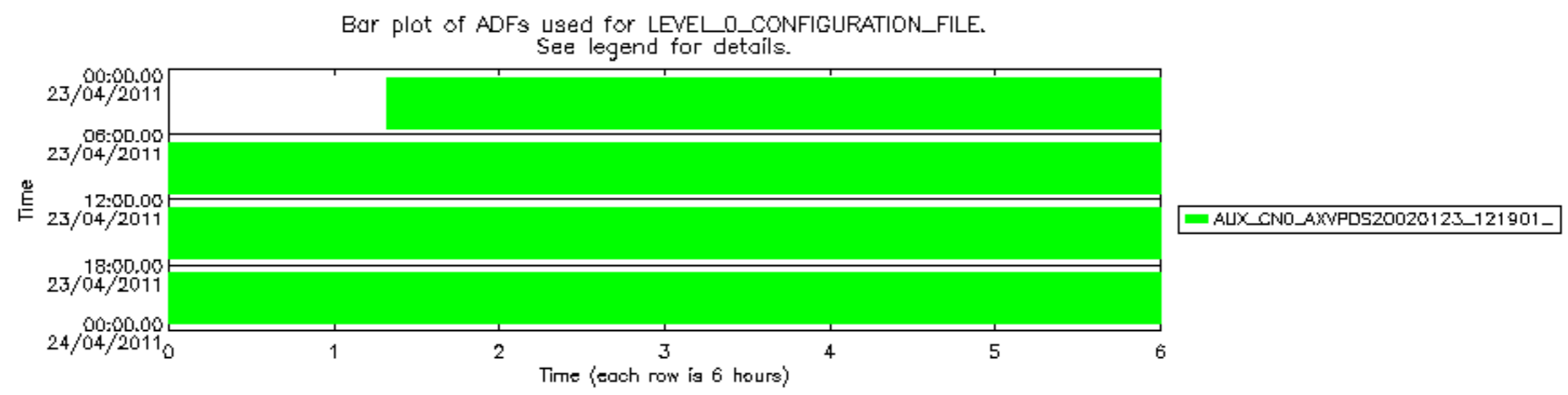






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

