

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	28JAN2011 05:23:48
Data source version	KSPT_L0/4504-N
Processing scope for products	23JAN2011 00:00:00 to 24JAN2011 00:00:00
Start time of first product within scope	23JAN2011 01:18:15
Stop time of last product within scope	24JAN2011 00:41:56
Total number of level 0 products	14
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__OPNPDE20110123_011815_000102433098_00390_46525_2771.N1	23JAN2011 01:18:15	23JAN2011 04:08:58	0	0	0	0	0
1	MIP_NL__OPNPDE20110123_040825_000062743098_00392_46527_2772.N1	23JAN2011 04:08:25	23JAN2011 05:52:58	0	0	0	0	0
2	MIP_NL__OPNPDE20110123_055227_000061713098_00393_46528_2775.N1	23JAN2011 05:52:27	23JAN2011 07:35:18	0	0	0	0	0
3	MIP_NL__OPNPDK20110123_073445_000038153098_00394_46529_4094.N1	23JAN2011 07:34:45	23JAN2011 08:38:20	0	0	0	0	0
4	MIP_NL__OPNPDK20110123_083721_000062093098_00395_46530_4095.N1	23JAN2011 08:37:21	23JAN2011 10:20:50	0	0	0	0	0
5	MIP_NL__OPNPDK20110123_101912_000059393098_00396_46531_4096.N1	23JAN2011 10:19:12	23JAN2011 11:58:11	0	0	0	0	0
6	MIP_NL__OPNPDK20110123_115713_000060523098_00397_46532_4097.N1	23JAN2011 11:57:13	23JAN2011 13:38:05	1	1	0	0	0
7	MIP_NL__OPNPDK20110123_133702_000058663098_00398_46533_4098.N1	23JAN2011 13:37:02	23JAN2011 15:14:49	0	0	0	0	0
8	MIP_NL__OPNPDK20110123_151401_000059983098_00399_46534_4099.N1	23JAN2011 15:14:01	23JAN2011 16:53:58	0	0	0	0	0
9	MIP_NL__OPNPDK20110123_165312_000059123098_00400_46535_4100.N1	23JAN2011 16:53:12	23JAN2011 18:31:45	0	0	0	0	0
10	MIP_NL__OPNPDK20110123_183044_000058243098_00401_46536_4101.N1	23JAN2011 18:30:44	23JAN2011 20:07:49	0	0	0	0	0
11	MIP_NL__OPNPDE20110123_200621_000044463098_00402_46537_2776.N1	23JAN2011 20:06:21	23JAN2011 21:20:27	0	0	0	0	0
12	MIP_NL__OPNPDE20110123_211859_000062303098_00402_46537_2777.N1	23JAN2011 21:18:59	23JAN2011 23:02:49	0	0	0	0	0
13	MIP_NL__OPNPDE20110123_230142_000060153098_00403_46538_2778.N1	23JAN2011 23:01:42	24JAN2011 00:41:56	0	0	0	0	0

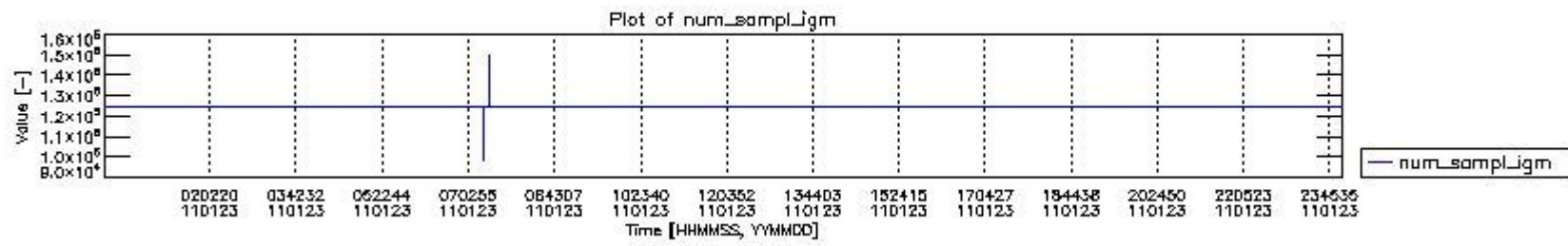
0.2 Instrument Operational Performance Parameters

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.

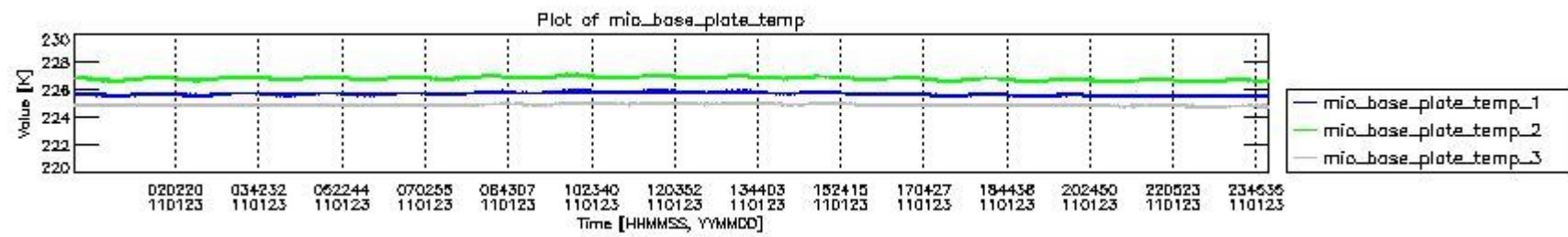
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98058	1	0.0024009604
101363	1	0.0024009604
121495	1	0.0024009604
124800	38686	92.883553

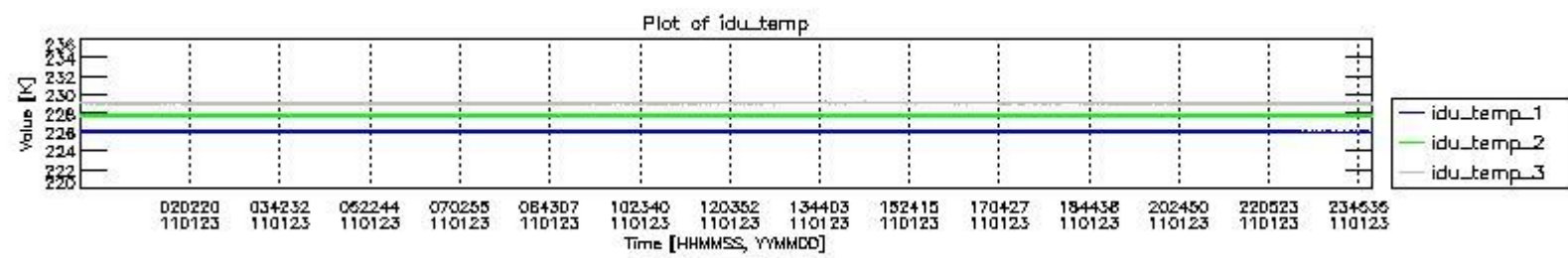
124803	2958	7.1020408
127382	1	0.0024009604
147514	1	0.0024009604
150096	1	0.0024009604



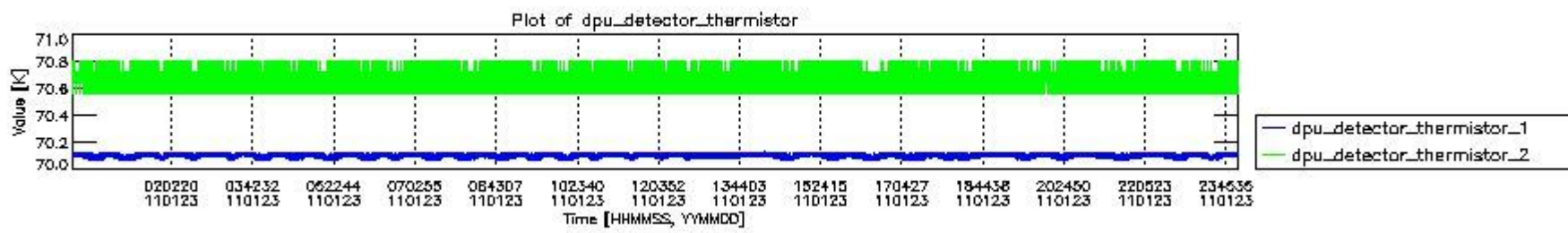
mipas_daily_report_level0_KSPT_L0_4504_N_20110123_0.PNG



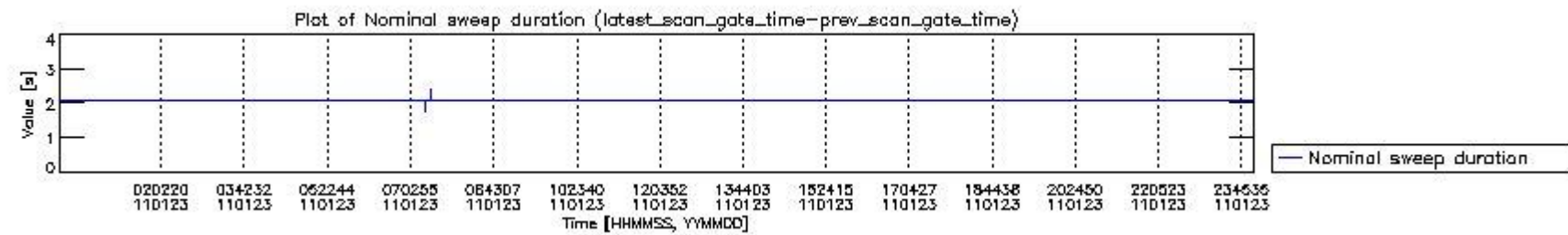
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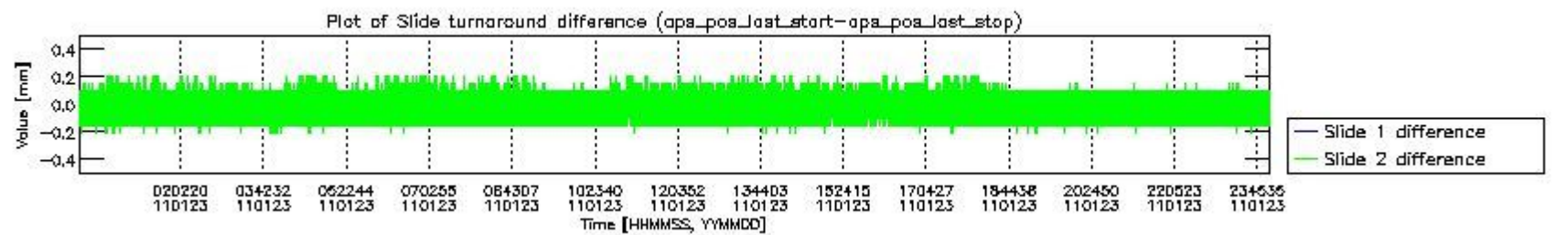
mipas_daily_report_level0_KSPT_L0_4504_N_20110123_2.PNG



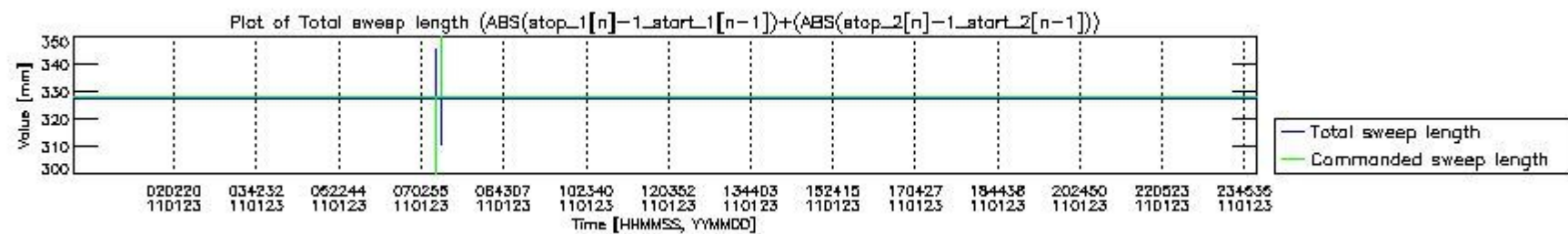
mipas_daily_report_level0_KSPT_L0_4504_N_20110123_3.PNG



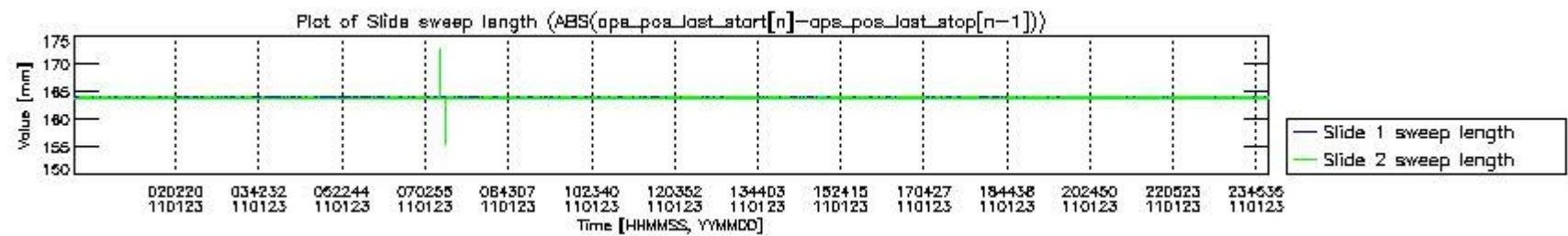
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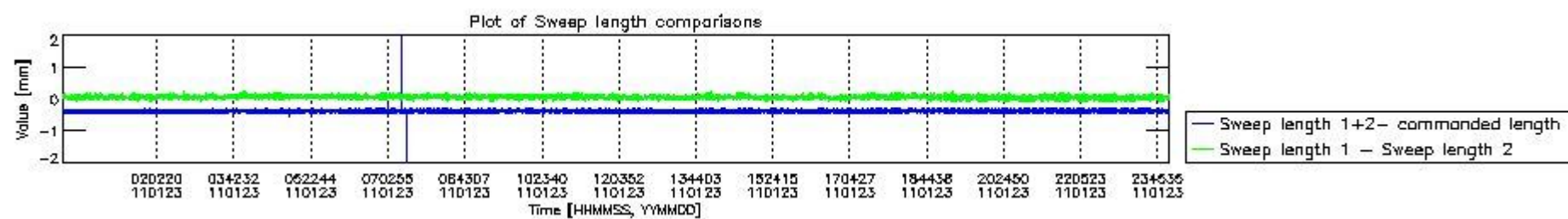
mipas_daily_report_level0_KSPT_L0_4504_N_20110123_5.PNG



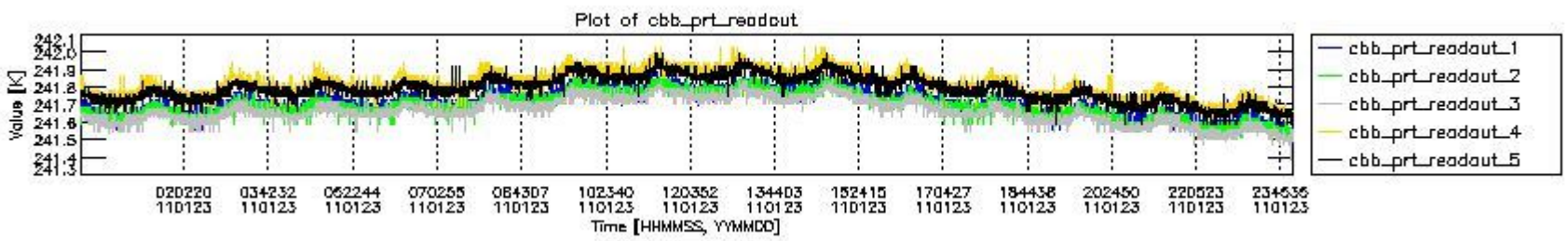
mipas_daily_report_level0_KSPT_L0_4504_N_20110123_6.PNG



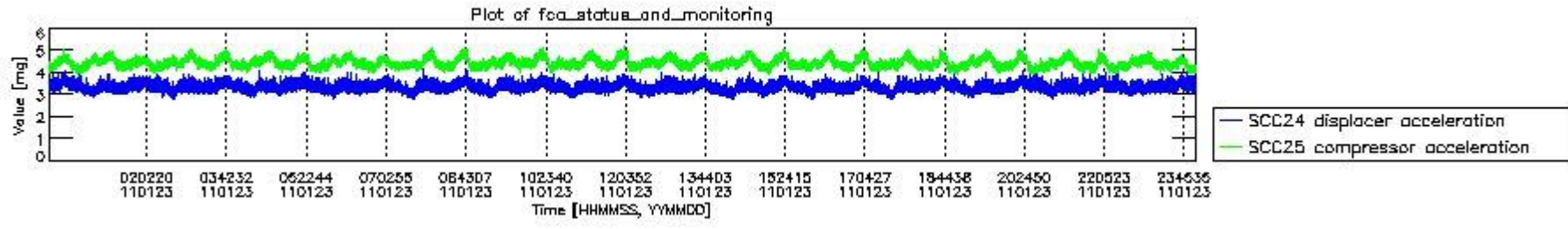
mipas_daily_report_level0_KSPT_L0_4504_N_20110123_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110123_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110123_9.PNG

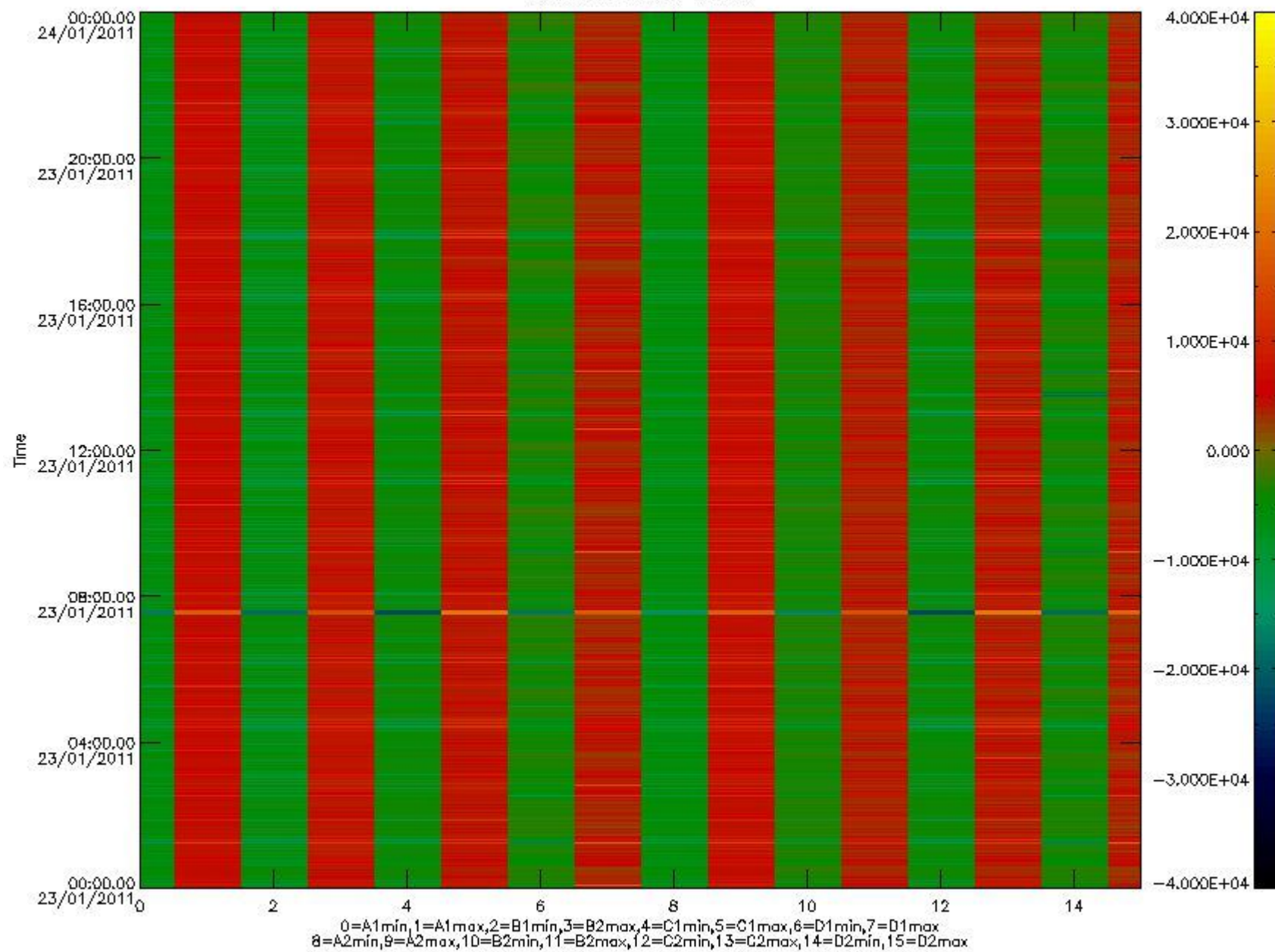


mipas_daily_report_level0_KSPT_L0_4504_N_20110123_10.PNG

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

Channel	Min	Max	ADC
A1	-17573	18604	16bit
B1	-18953	16483	16bit
C1	-25258	21955	16bit
D1	-22994	32206	16bit
A2	-15234	18715	16bit
B2	-16987	16701	16bit
C2	-23058	24621	16bit
D2	-32768	25317	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110123_11.PNG

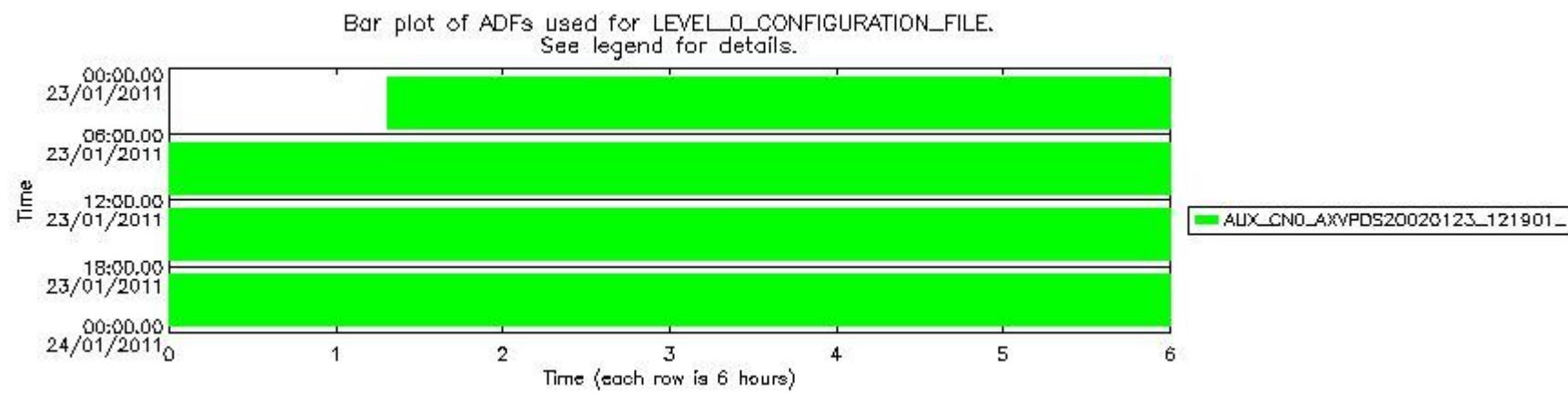
0.3 ADF monitoring

The use of ADFs is shown in two ways:

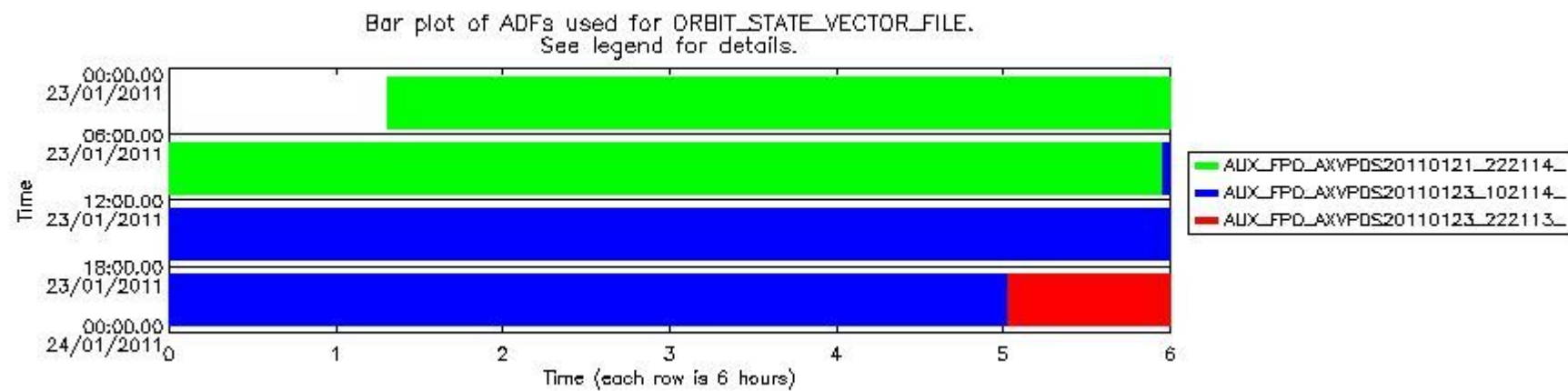
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110121_222114_20110121_192610_20110131_214002
2	AUX_FPO_AXVPDS20110123_102114_20110122_184926_20110201_210318
3	AUX_FPO_AXVPDS20110123_222113_20110123_195256_20110202_202634

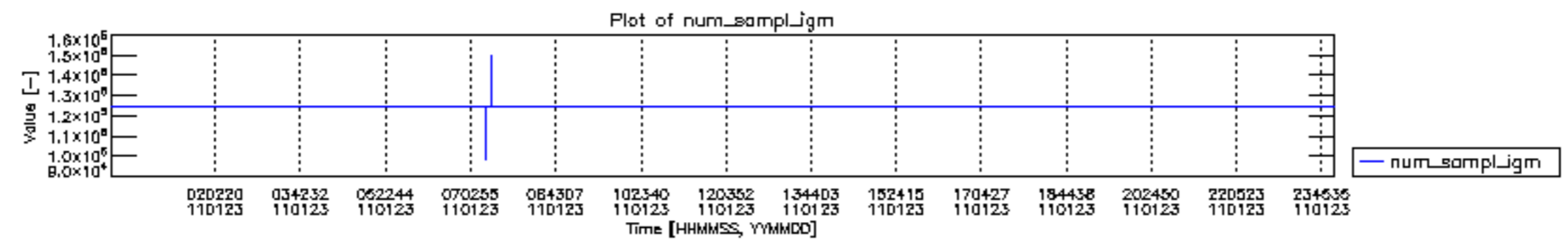
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110123_011815_000102433098_00390_46525_2771.N1	0	1
1	MIP_NL__0PNPDE20110123_040825_000062743098_00392_46527_2772.N1	0	1
2	MIP_NL__0PNPDE20110123_055227_000061713098_00393_46528_2775.N1	0	1
3	MIP_NL__0PNPDK20110123_073445_000038153098_00394_46529_4094.N1	0	1
4	MIP_NL__0PNPDK20110123_083721_000062093098_00395_46530_4095.N1	0	1
5	MIP_NL__0PNPDK20110123_101912_000059393098_00396_46531_4096.N1	0	1
6	MIP_NL__0PNPDK20110123_115713_000060523098_00397_46532_4097.N1	0	2
7	MIP_NL__0PNPDK20110123_133702_000058663098_00398_46533_4098.N1	0	2
8	MIP_NL__0PNPDK20110123_151401_000059983098_00399_46534_4099.N1	0	2
9	MIP_NL__0PNPDK20110123_165312_000059123098_00400_46535_4100.N1	0	2
10	MIP_NL__0PNPDK20110123_183044_000058243098_00401_46536_4101.N1	0	2
11	MIP_NL__0PNPDE20110123_200621_000044463098_00402_46537_2776.N1	0	2
12	MIP_NL__0PNPDE20110123_211859_000062303098_00402_46537_2777.N1	0	2
13	MIP_NL__0PNPDE20110123_230142_000060153098_00403_46538_2778.N1	0	3

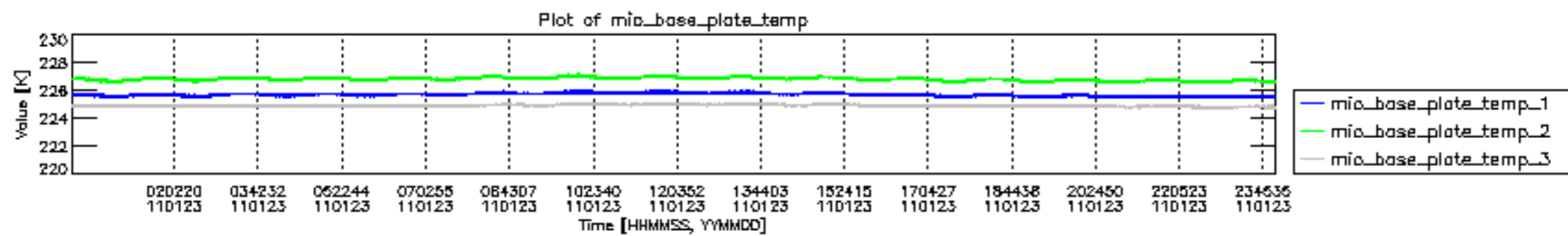


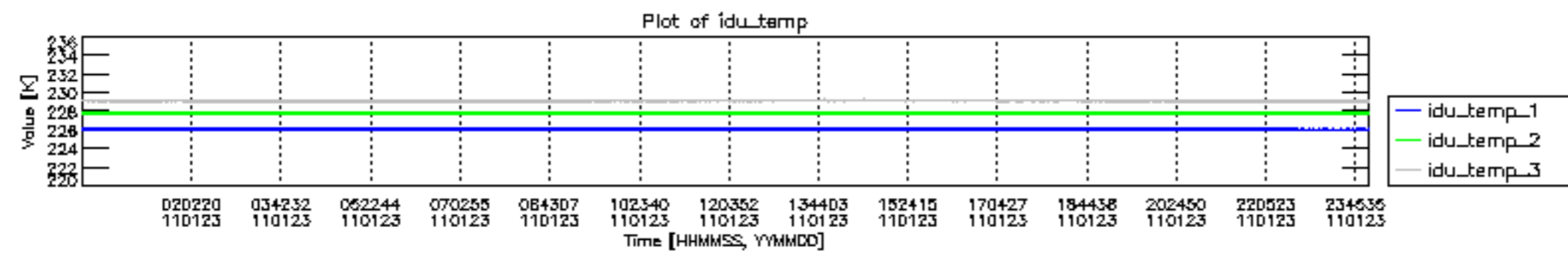
mipas_daily_report_level0_KSPT_L0_4504_N_20110123_12.PNG

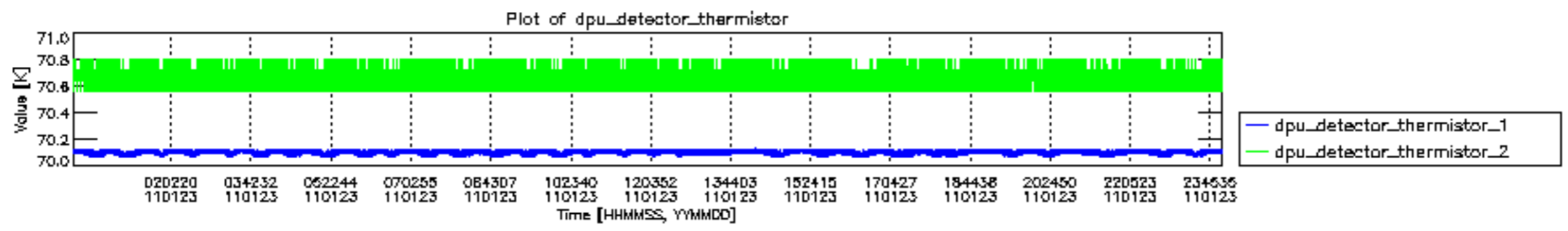


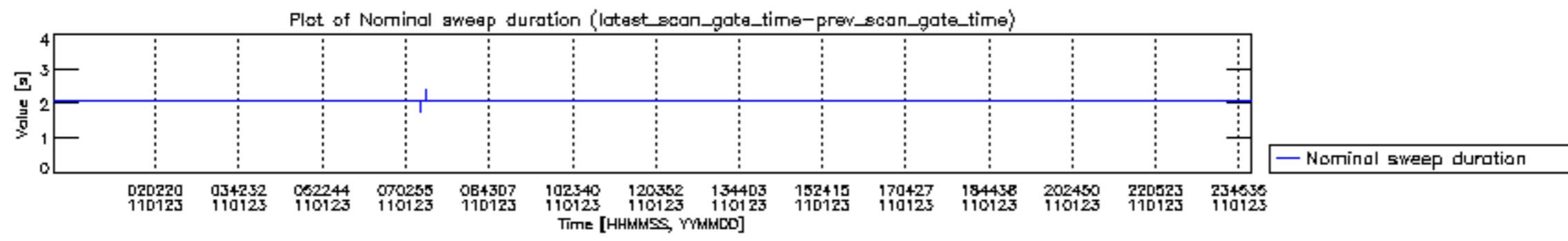
mipas_daily_report_level0_KSPT_L0_4504_N_20110123_13.PNG

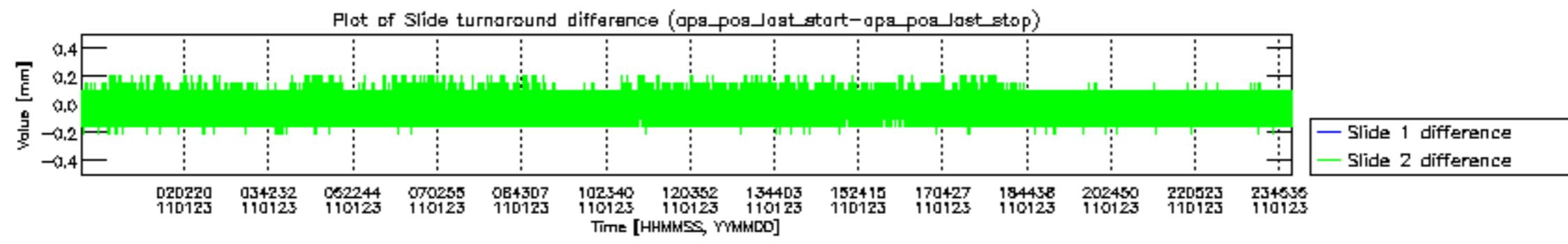


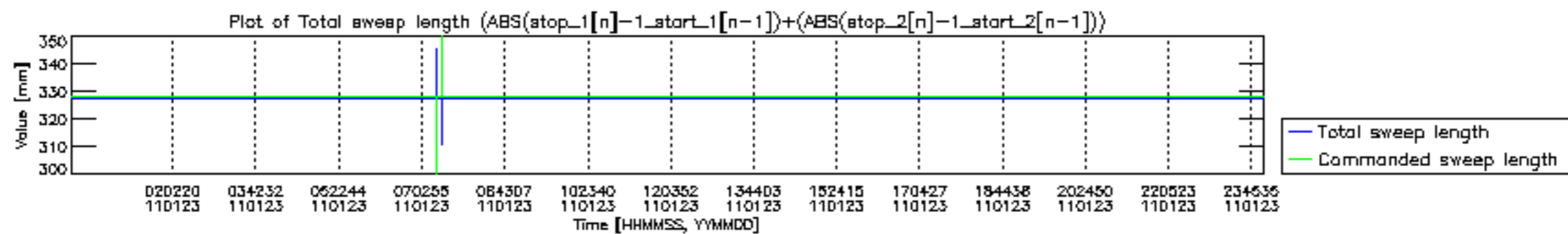


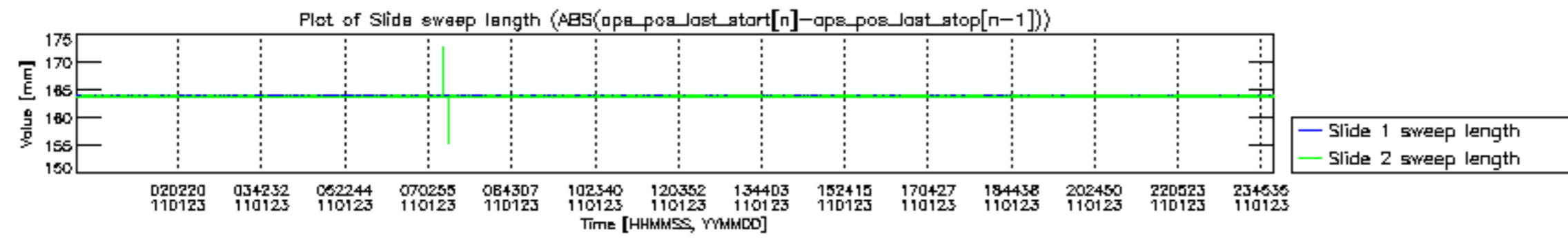


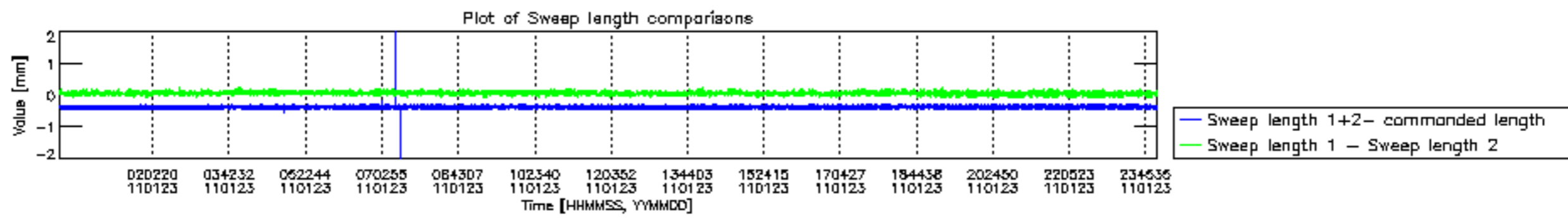


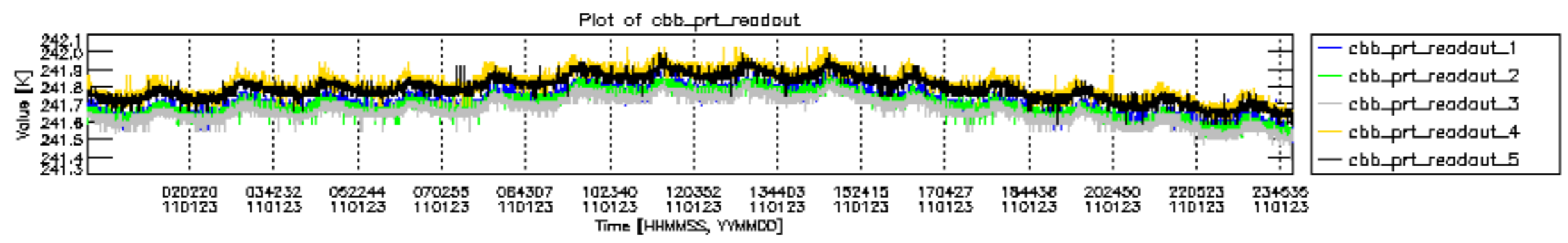


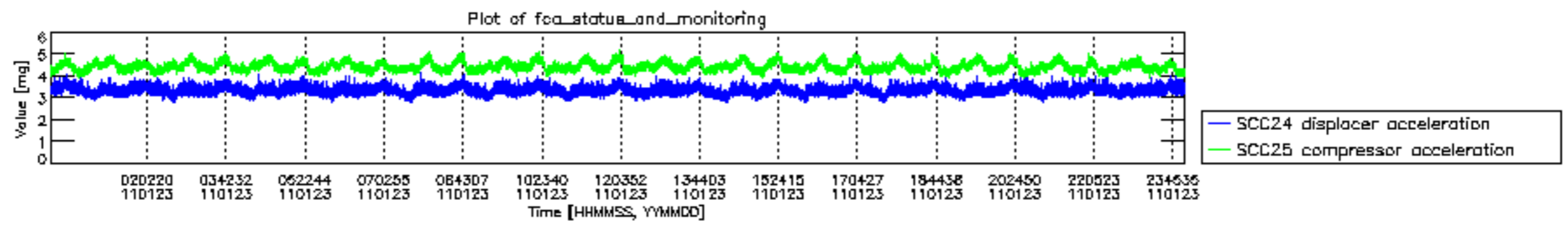




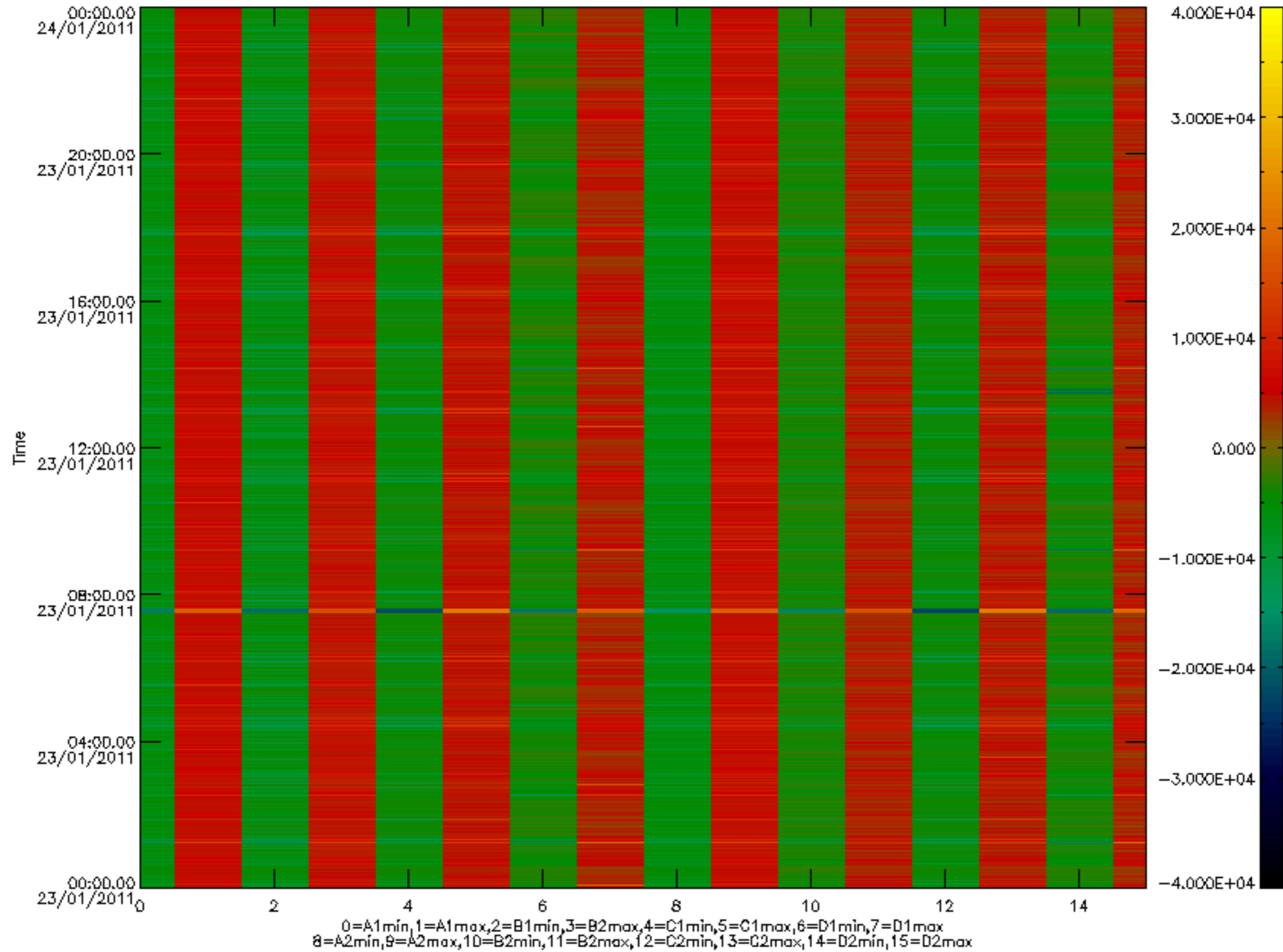


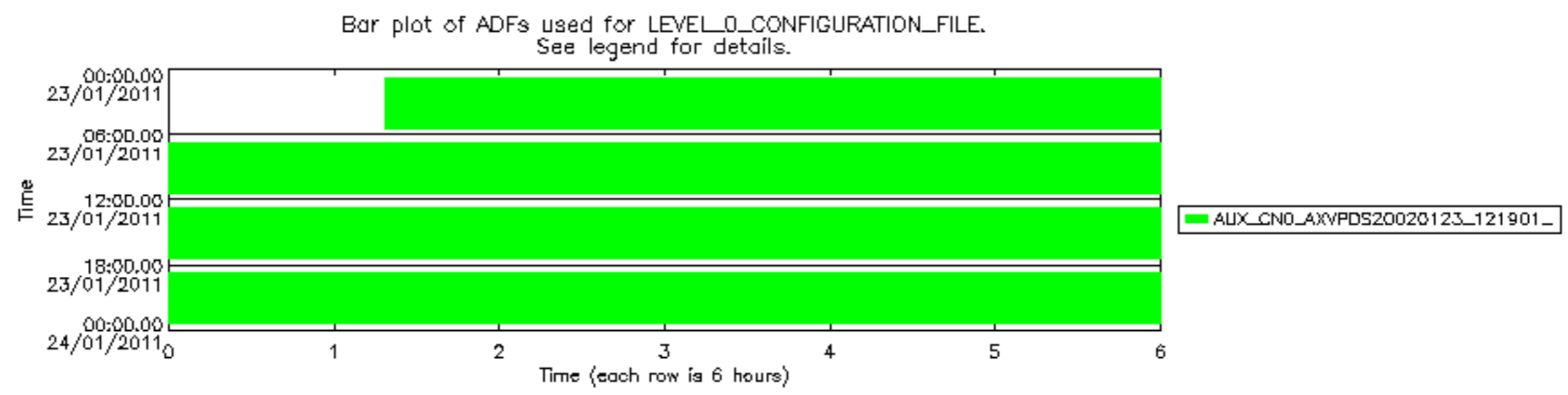






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

