

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	23JAN2012 05:20:13
Data source version	KSPT_L0/4504-N
Processing scope for products	18JAN2012 00:00:00 to 19JAN2012 00:00:00
Start time of first product within scope	18JAN2012 01:22:19
Stop time of last product within scope	19JAN2012 00:48:23
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__OPNPDE20120118_012219_000102803110_00390_51697_5372.N1	18JAN2012 01:22:19	18JAN2012 04:13:39	0	0	0	0	0
1	MIP_NL__OPNPDE20120118_020531_000076873110_00391_51698_5373.N1	18JAN2012 02:05:31	18JAN2012 04:13:39	0	0	0	0	0
2	MIP_NL__OPNPDE20120118_041305_000062133110_00392_51699_5375.N1	18JAN2012 04:13:05	18JAN2012 05:56:38	0	0	0	0	0
3	MIP_NL__OPNPDE20120118_055604_000061783110_00393_51700_5376.N1	18JAN2012 05:56:04	18JAN2012 07:39:02	0	0	0	0	0
4	MIP_NL__OPNPDK20120118_073827_000038883110_00394_51701_8299.N1	18JAN2012 07:38:27	18JAN2012 08:43:15	0	0	0	0	0
5	MIP_NL__OPNPDK20120118_084216_000061523110_00395_51702_8300.N1	18JAN2012 08:42:16	18JAN2012 10:24:48	0	0	0	0	0
6	MIP_NL__OPNPDK20120118_102310_000060683110_00396_51703_8301.N1	18JAN2012 10:23:10	18JAN2012 12:04:18	0	0	0	0	0
7	MIP_NL__OPNPDK20120118_120322_000060063110_00397_51704_8302.N1	18JAN2012 12:03:22	18JAN2012 13:43:28	0	0	0	0	0
8	MIP_NL__OPNPDK20120118_134229_000058453110_00398_51705_8303.N1	18JAN2012 13:42:29	18JAN2012 15:19:54	0	0	0	0	0
9	MIP_NL__OPNPDK20120118_151910_000059283110_00399_51706_8304.N1	18JAN2012 15:19:10	18JAN2012 16:57:59	0	0	0	0	0
10	MIP_NL__OPNPDK20120118_165700_000059493110_00400_51707_8305.N1	18JAN2012 16:57:00	18JAN2012 18:36:10	0	0	0	0	0
11	MIP_NL__OPNPDK20120118_183509_000058703110_00401_51708_8306.N1	18JAN2012 18:35:09	18JAN2012 20:12:59	0	0	0	0	0
12	MIP_NL__OPNPDE20120118_201121_000045233110_00402_51709_5377.N1	18JAN2012 20:11:21	18JAN2012 21:26:44	0	0	0	0	0
13	MIP_NL__OPNPDE20120118_212539_000060393110_00402_51709_5378.N1	18JAN2012 21:25:39	18JAN2012 23:06:18	0	0	0	0	0
14	MIP_NL__OPNPDE20120118_230513_000061903110_00403_51710_5379.N1	18JAN2012 23:05:13	19JAN2012 00:48:23	0	0	0	0	0

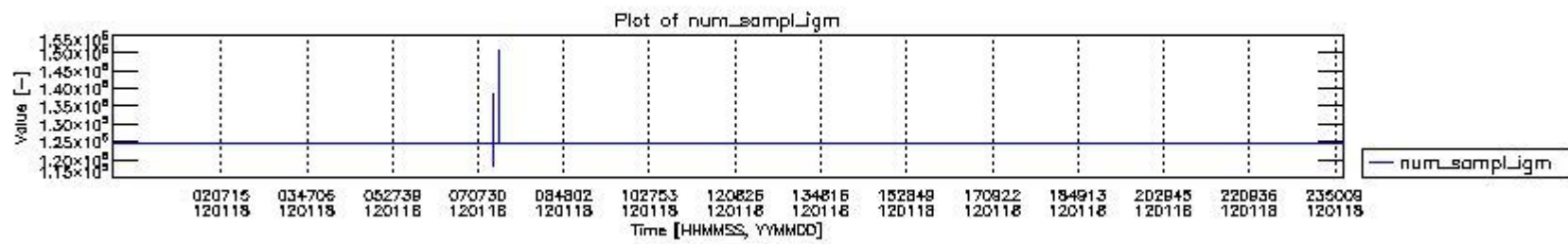
0.2 Instrument Operational Performance Parameters

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.

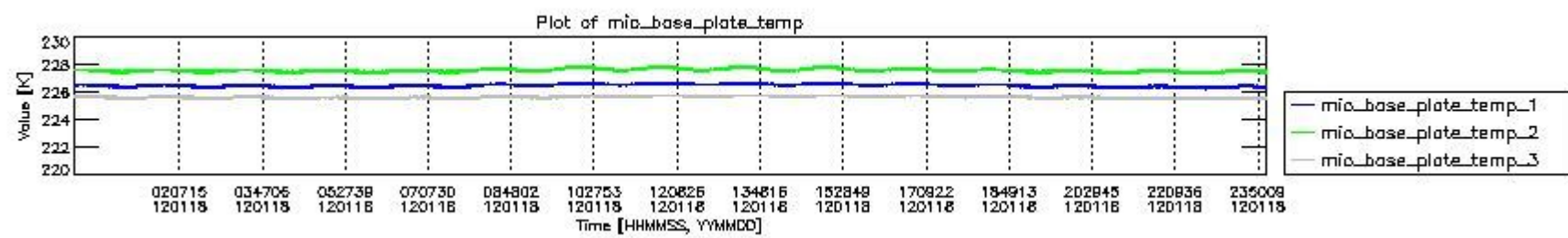
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
118312	1	0.0023981966
124800	38732	92.886949
124803	2960	7.0986618

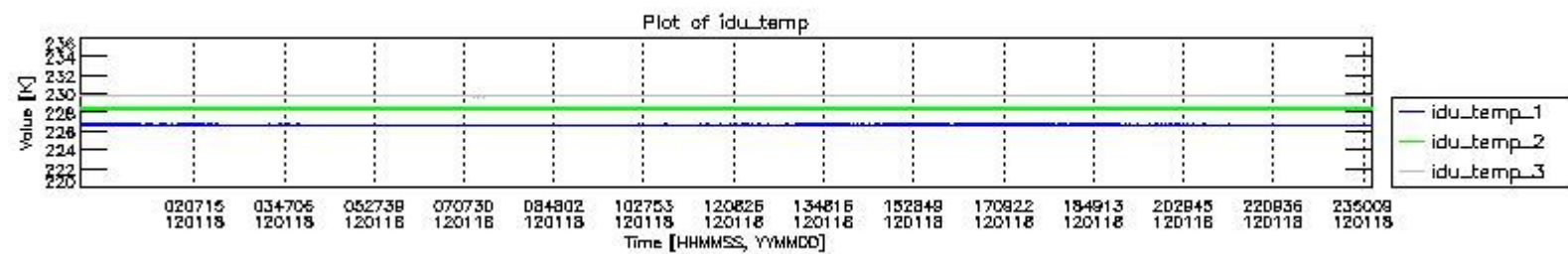
127605	1	0.0023981966
131956	1	0.0023981966
138444	1	0.0023981966
147737	1	0.0023981966
150542	1	0.0023981966



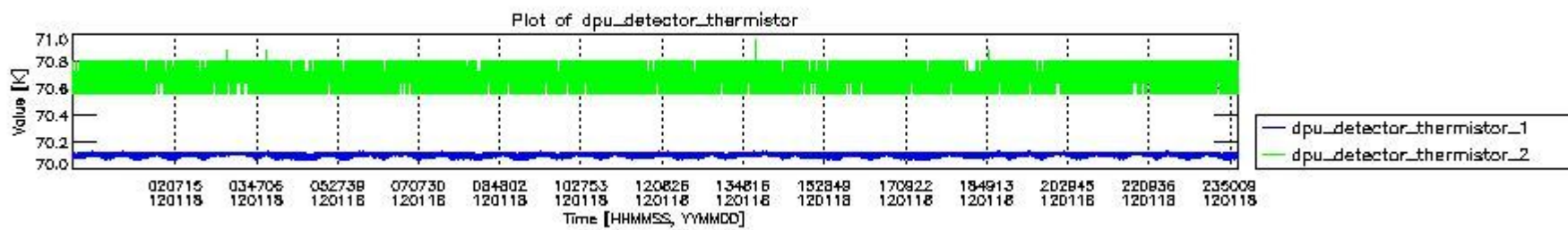
mipas_daily_report_level0_KSPT_L0_4504_N_20120118_0.PNG



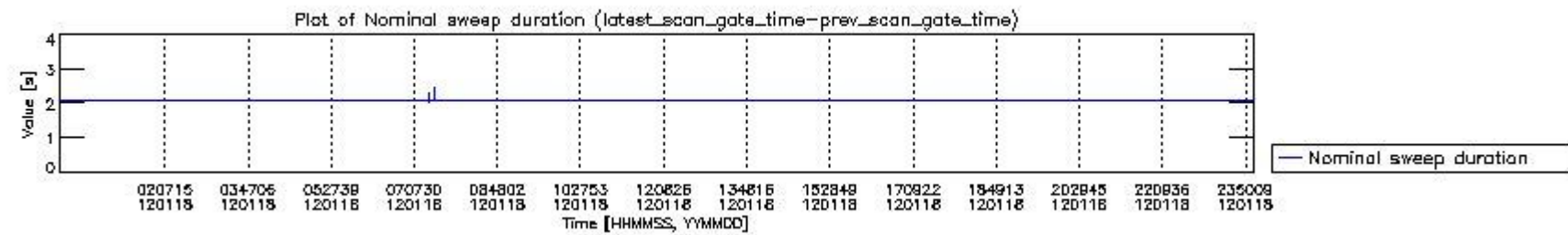
mipas_daily_report_level0_KSPT_L0_4504_N_20120118_1.PNG



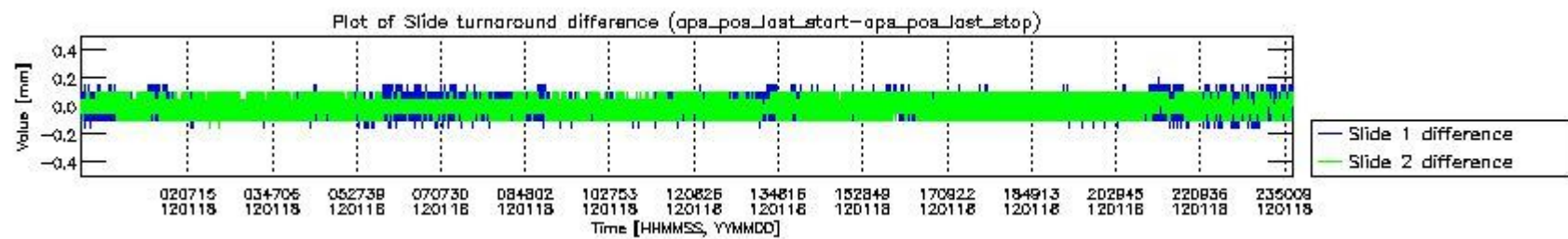
mipas_daily_report_level0_KSPT_L0_4504_N_20120118_2.PNG



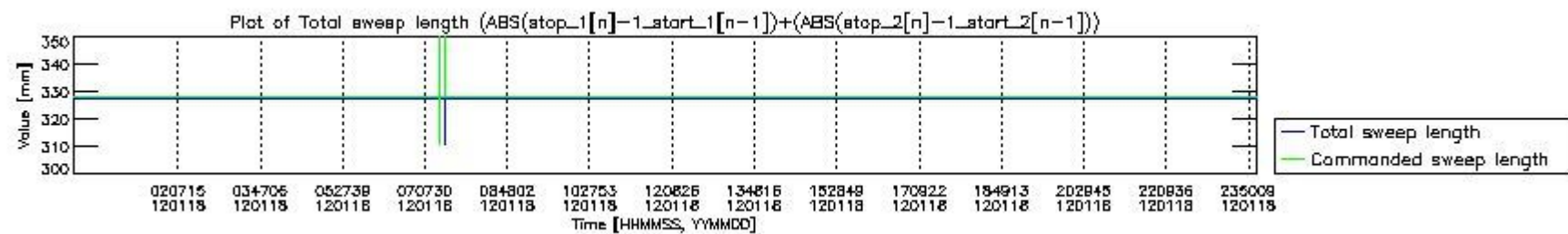
mipas_daily_report_level0_KSPT_L0_4504_N_20120118_3.PNG



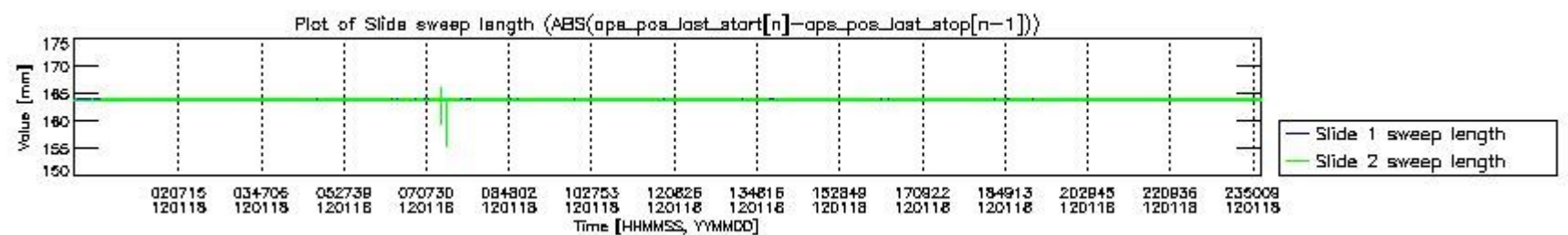
mipas_daily_report_level0_KSPT_L0_4504_N_20120118_4.PNG



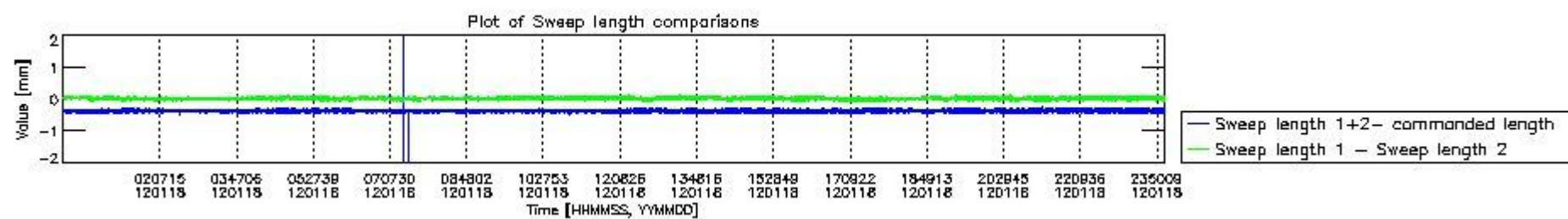
mipas_daily_report_level0_KSPT_L0_4504_N_20120118_5.PNG



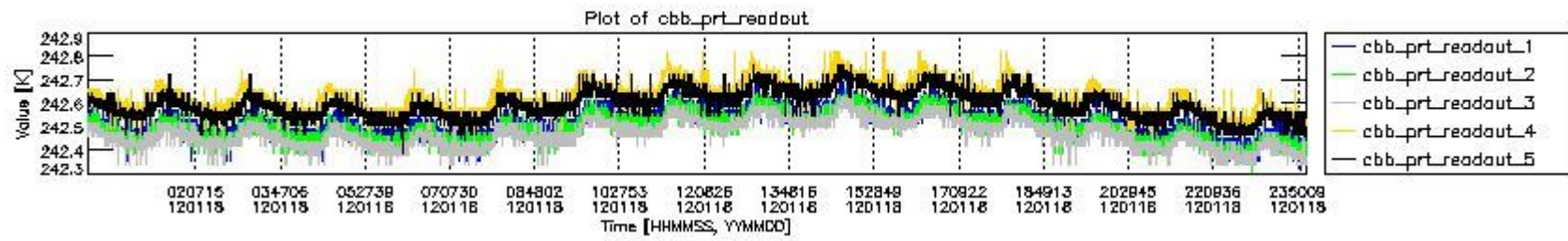
mipas_daily_report_level0_KSPT_L0_4504_N_20120118_6.PNG



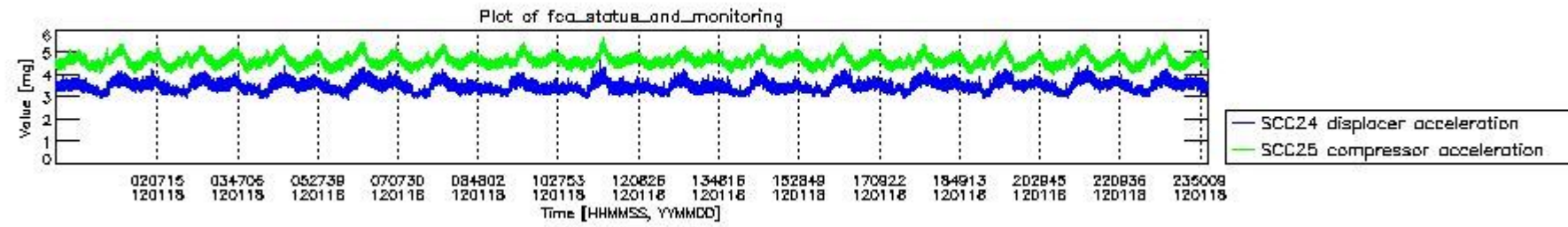
mipas_daily_report_level0_KSPT_L0_4504_N_20120118_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120118_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120118_9.PNG

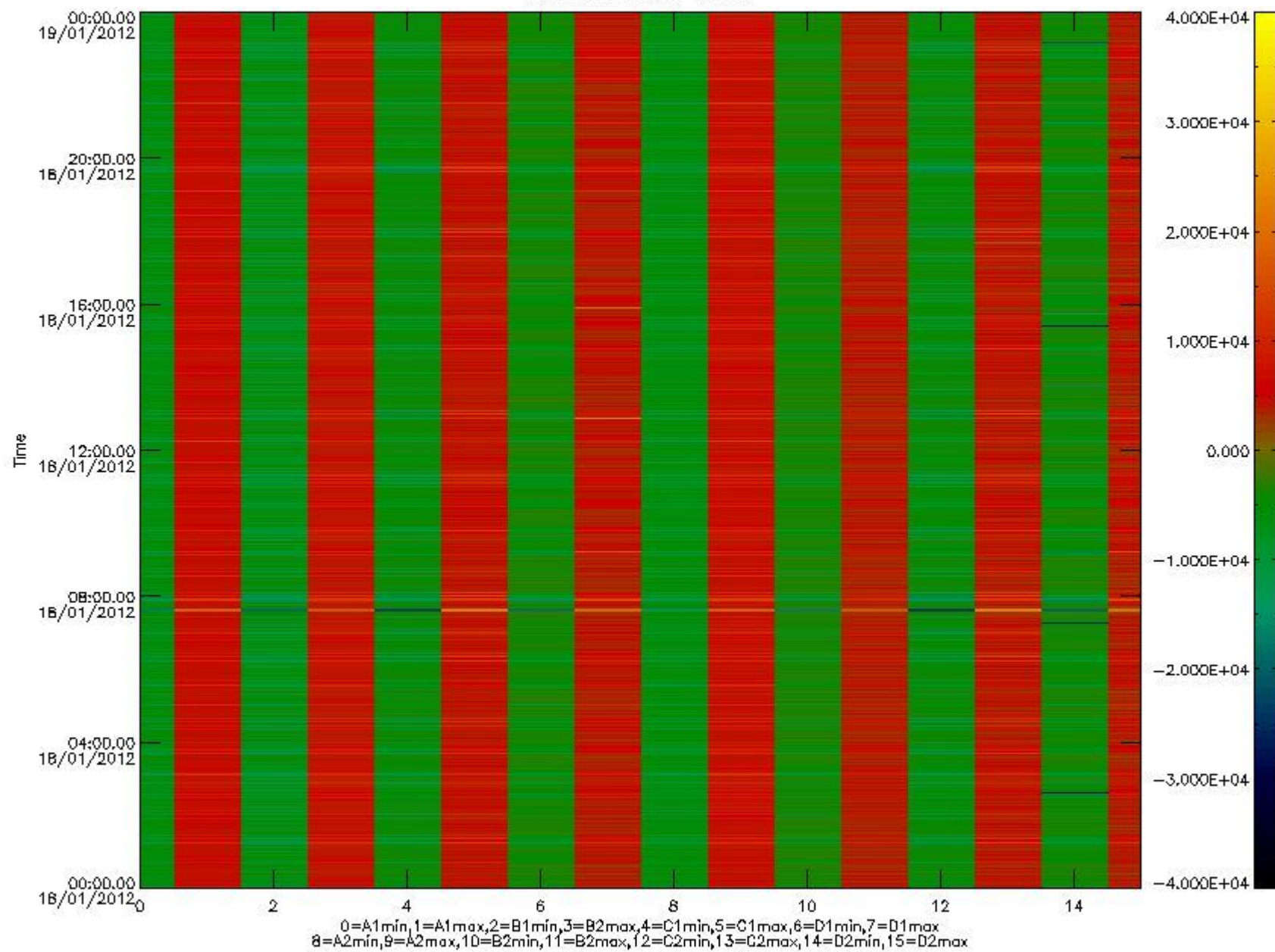


mipas_daily_report_level0_KSPT_L0_4504_N_20120118_10.PNG

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

Channel	Min	Max	ADC
A1	-17471	18451	16bit
B1	-19271	16684	16bit
C1	-22810	22608	16bit
D1	-27548	32767	16bit
A2	-15212	18645	16bit
B2	-17047	16794	16bit
C2	-23727	23258	16bit
D2	-32768	31194	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120118_11.PNG

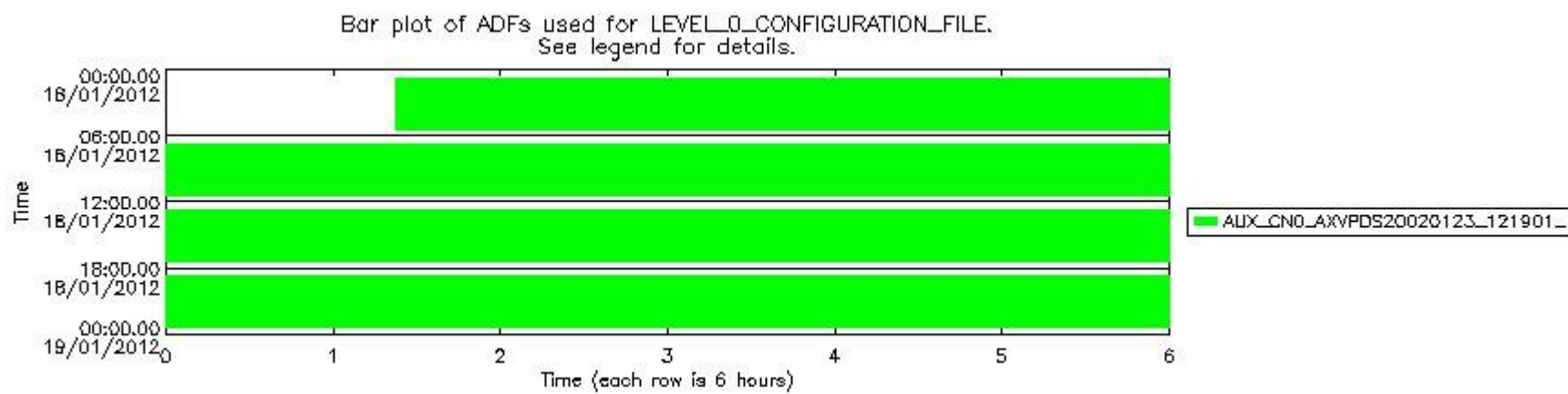
0.3 ADF monitoring

The use of ADFs is shown in two ways:

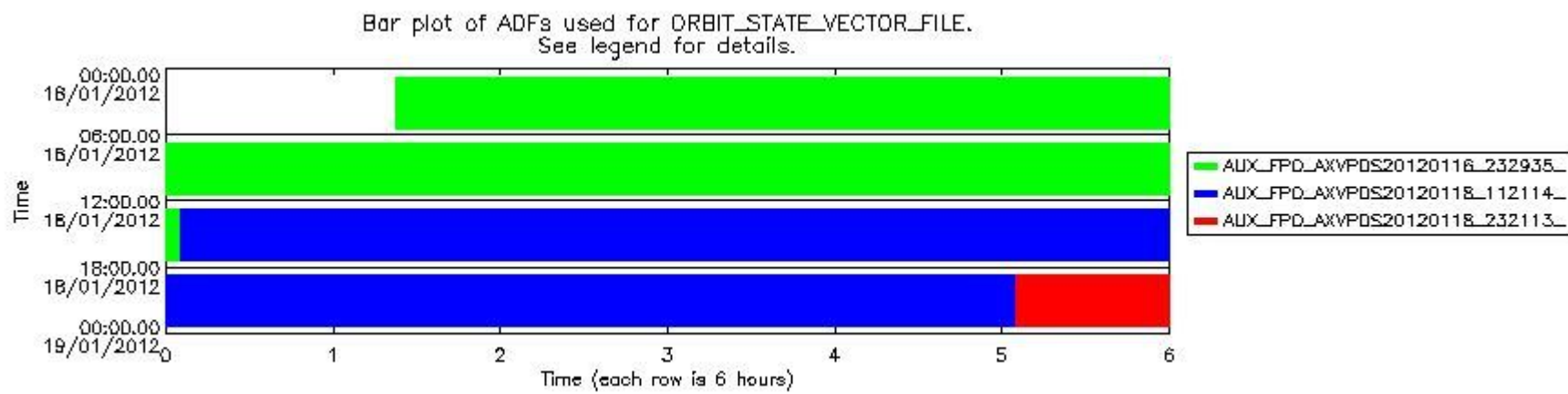
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120116_232935_20120116_193048_20120126_200414
2	AUX_FPO_AXVPDS20120118_112114_20120117_185403_20120127_210742
3	AUX_FPO_AXVPDS20120118_232113_20120118_195732_20120128_203057

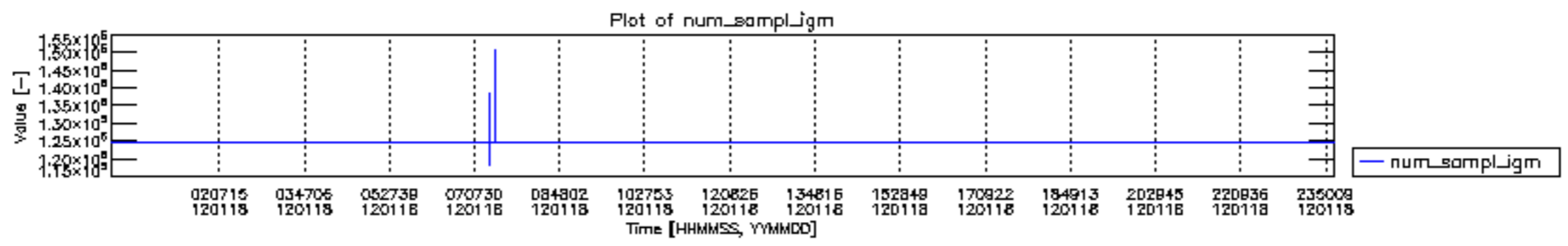
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20120118_012219_000102803110_00390_51697_5372.N1	0	1
1	MIP_NL__0PNPDE20120118_020531_000076873110_00391_51698_5373.N1	0	1
2	MIP_NL__0PNPDE20120118_041305_000062133110_00392_51699_5375.N1	0	1
3	MIP_NL__0PNPDE20120118_055604_000061783110_00393_51700_5376.N1	0	1
4	MIP_NL__0PNPDK20120118_073827_000038883110_00394_51701_8299.N1	0	1
5	MIP_NL__0PNPDK20120118_084216_000061523110_00395_51702_8300.N1	0	1
6	MIP_NL__0PNPDK20120118_102310_000060683110_00396_51703_8301.N1	0	1
7	MIP_NL__0PNPDK20120118_120322_000060063110_00397_51704_8302.N1	0	2
8	MIP_NL__0PNPDK20120118_134229_000058453110_00398_51705_8303.N1	0	2
9	MIP_NL__0PNPDK20120118_151910_000059283110_00399_51706_8304.N1	0	2
10	MIP_NL__0PNPDK20120118_165700_000059493110_00400_51707_8305.N1	0	2
11	MIP_NL__0PNPDK20120118_183509_000058703110_00401_51708_8306.N1	0	2
12	MIP_NL__0PNPDE20120118_201121_000045233110_00402_51709_5377.N1	0	2
13	MIP_NL__0PNPDE20120118_212539_000060393110_00402_51709_5378.N1	0	2
14	MIP_NL__0PNPDE20120118_230513_000061903110_00403_51710_5379.N1	0	3

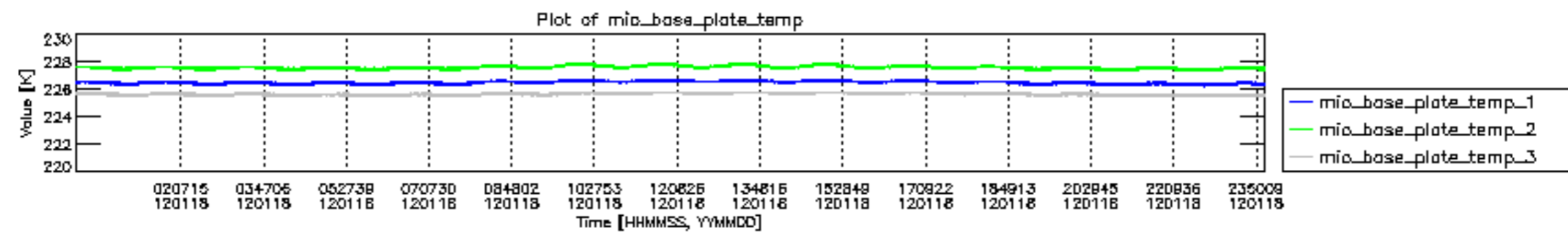


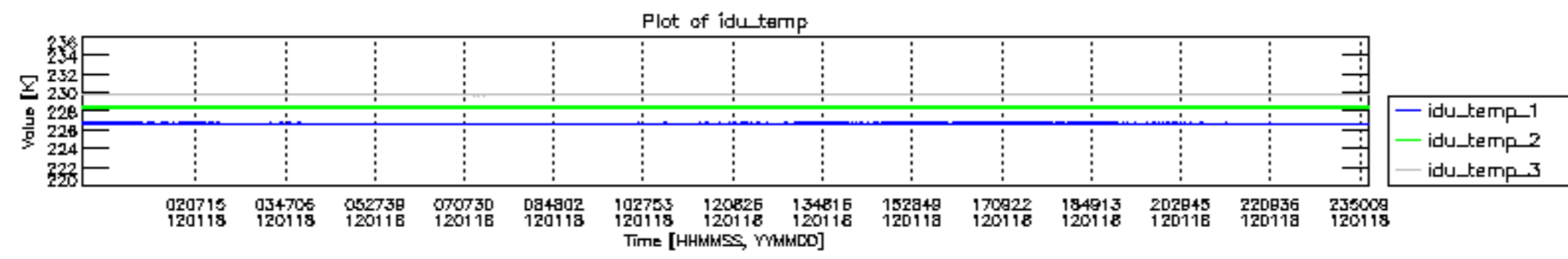
mipas_daily_report_level0_KSPT_L0_4504_N_20120118_12.PNG

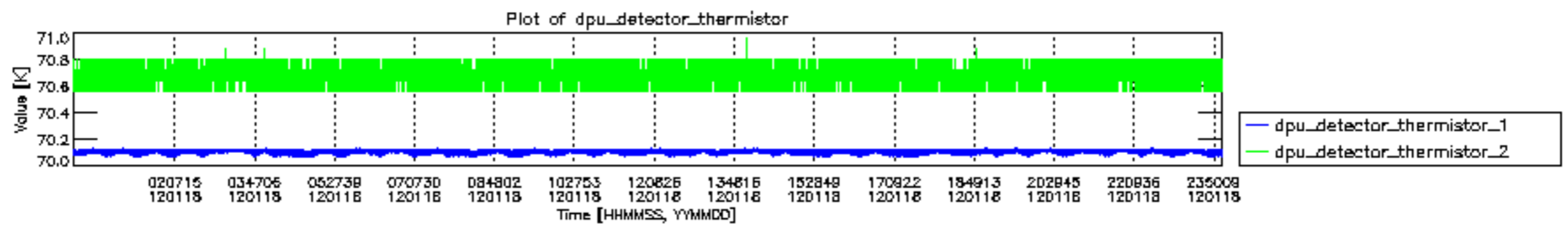


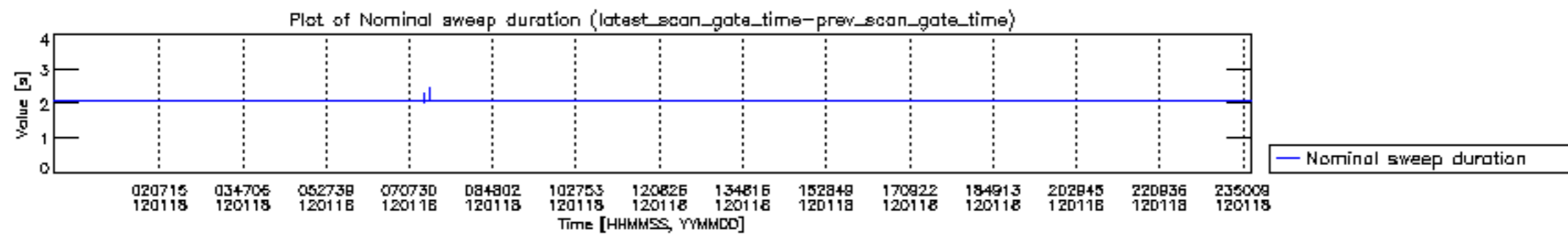
mipas_daily_report_level0_KSPT_L0_4504_N_20120118_13.PNG

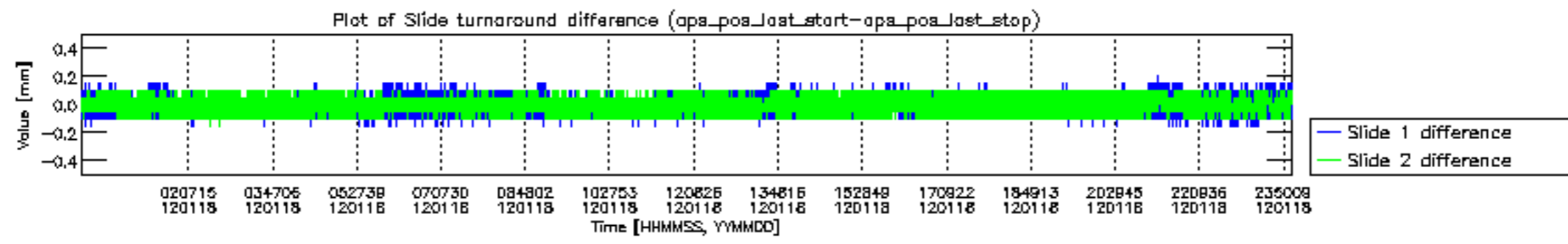


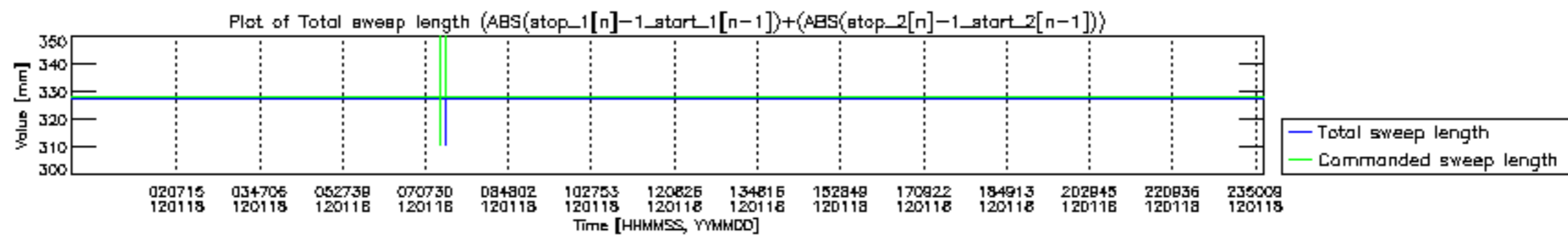


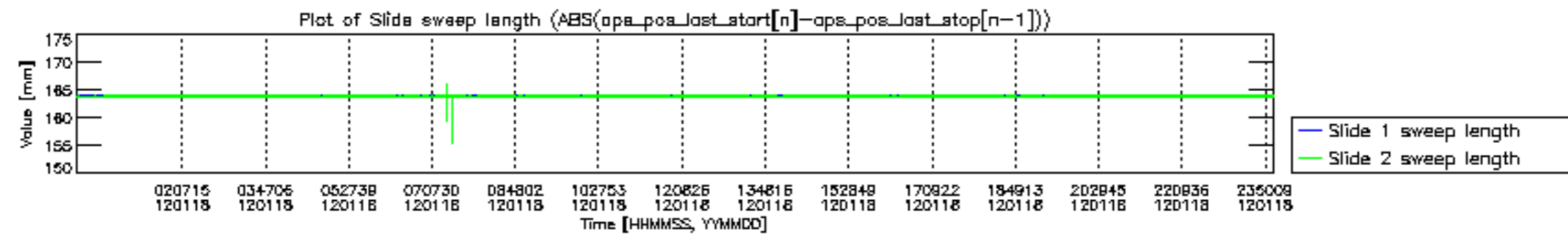


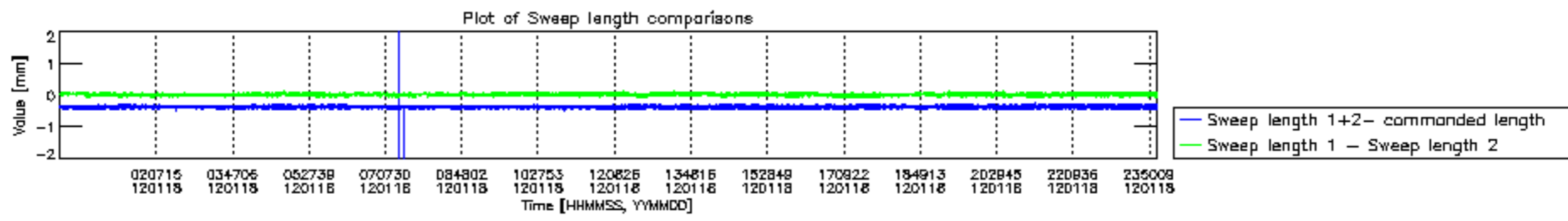


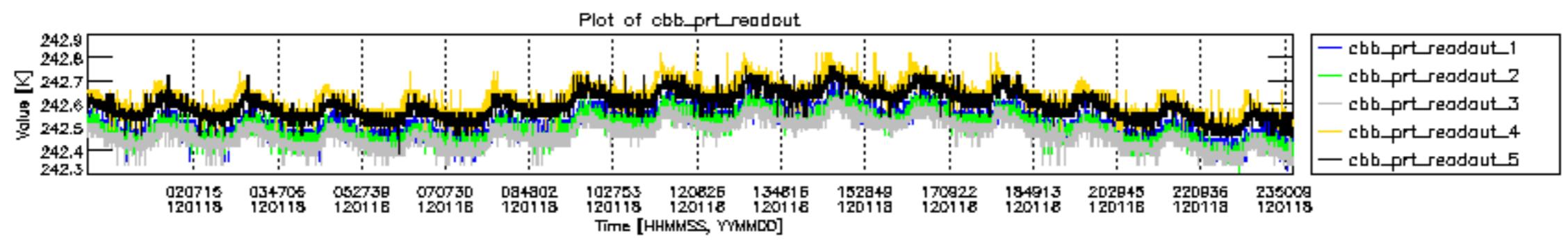


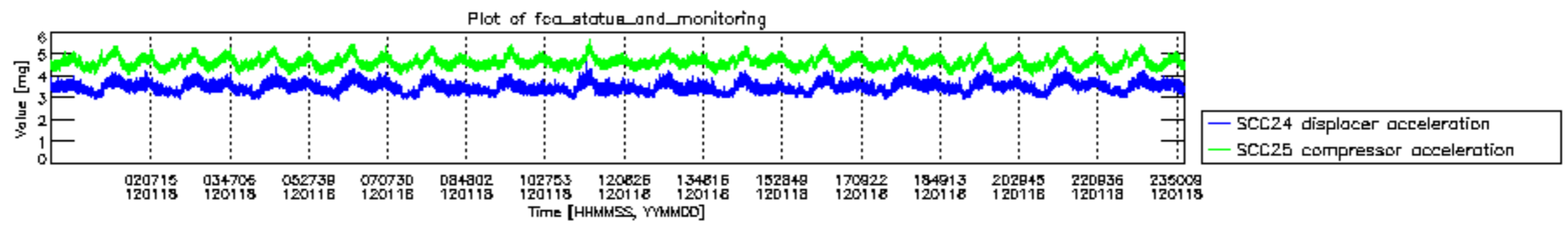




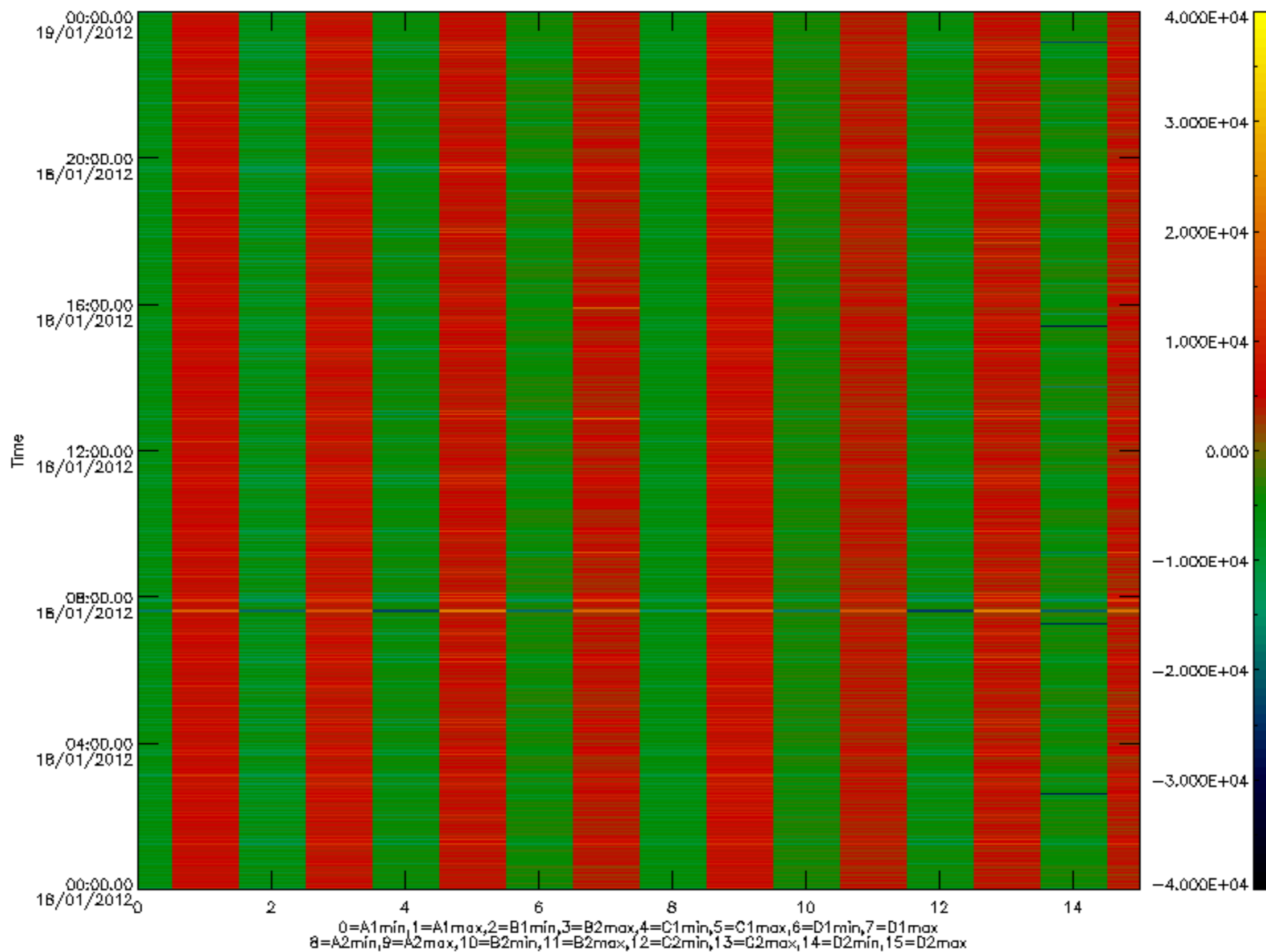


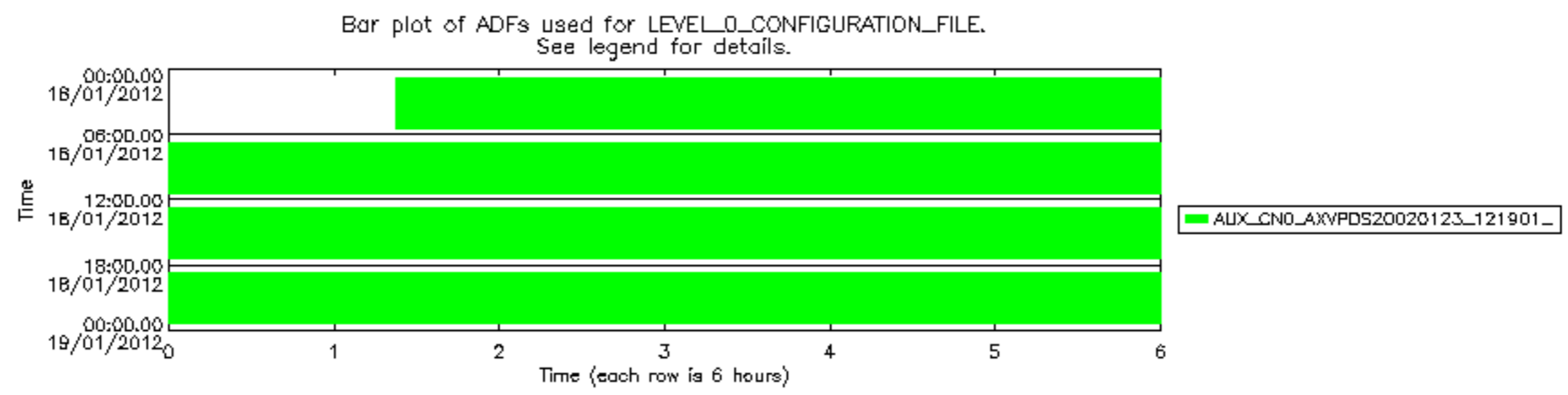






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

