

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	22FEB2012 05:24:57
Data source version	KSPT_L0/4504-N
Processing scope for products	17FEB2012 00:00:00 to 18FEB2012 00:00:00
Start time of first product within scope	17FEB2012 01:22:51
Stop time of last product within scope	18FEB2012 00:47:08
Total number of level 0 products	13
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__0PNPDE20120217_012251_000102263111_00390_52128_1049.N1	17FEB2012 01:22:51	17FEB2012 04:13:17	0	0	0	0	0
1	MIP_NL__0PNPDE20120217_012252_000025723111_00390_52128_5718.N1	17FEB2012 01:22:52	17FEB2012 02:05:44	0	0	0	0	0
2	MIP_NL__0PNPDE20120217_020544_000076543111_00391_52129_5717.N1	17FEB2012 02:05:44	17FEB2012 04:13:18	0	0	0	0	0
3	MIP_NL__0PNPDE20120217_041244_000062673111_00392_52130_1050.N1	17FEB2012 04:12:44	17FEB2012 05:57:11	0	0	0	0	0
4	MIP_NL__0PNPDE20120217_055637_000061483111_00393_52131_1051.N1	17FEB2012 05:56:37	17FEB2012 07:39:05	0	0	0	0	0
5	MIP_NL__0PNPDK20120217_120335_000059933111_00397_52135_8550.N1	17FEB2012 12:03:35	17FEB2012 13:43:29	0	0	0	0	0
6	MIP_NL__0PNPDK20120217_134151_000057803111_00398_52136_8551.N1	17FEB2012 13:41:51	17FEB2012 15:18:11	0	0	0	0	0
7	MIP_NL__0PNPDK20120217_151647_000060043111_00399_52137_8552.N1	17FEB2012 15:16:47	17FEB2012 16:56:51	0	0	0	0	0
8	MIP_NL__0PNPDK20120217_165618_000059793111_00400_52138_8553.N1	17FEB2012 16:56:18	17FEB2012 18:35:57	0	0	0	0	0
9	MIP_NL__0PNPDK20120217_183521_000059293111_00401_52139_8554.N1	17FEB2012 18:35:21	17FEB2012 20:14:10	0	0	0	0	0
10	MIP_NL__0PNPDE20120217_201225_000044333111_00402_52140_1052.N1	17FEB2012 20:12:25	17FEB2012 21:26:18	0	0	0	0	0
11	MIP_NL__0PNPDE20120217_212438_000061103111_00402_52140_1053.N1	17FEB2012 21:24:38	17FEB2012 23:06:28	0	0	0	0	0
12	MIP_NL__0PNPDE20120217_230521_000061063111_00403_52141_1054.N1	17FEB2012 23:05:21	18FEB2012 00:47:08	0	0	0	0	0

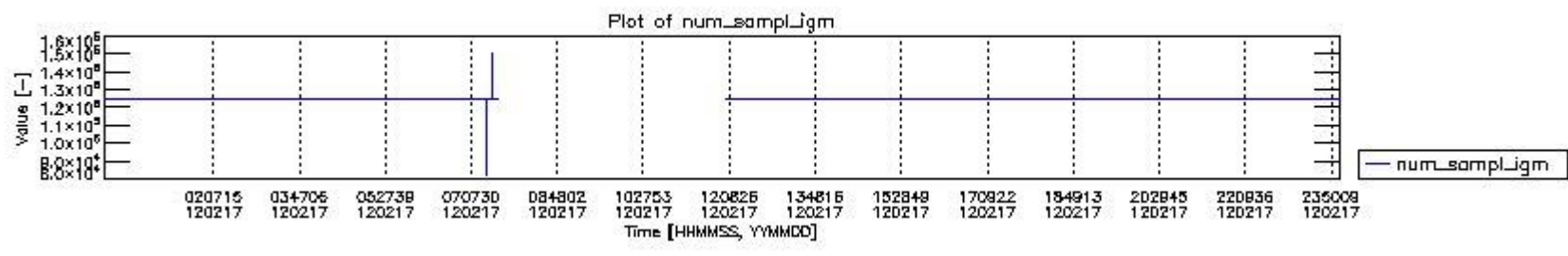
0.2 Instrument Operational Performance Parameters

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.

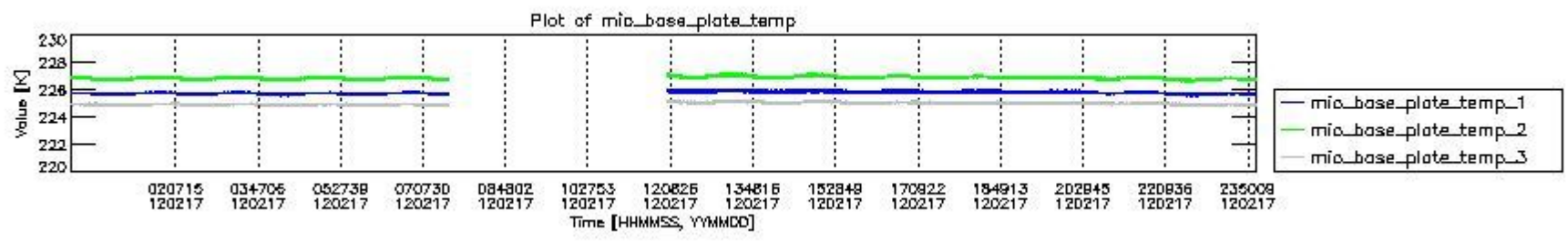
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
82446	1	0.0025752620
93557	1	0.0025752620
113689	1	0.0025752620
124800	36075	92.902578
124803	2750	7.0819706

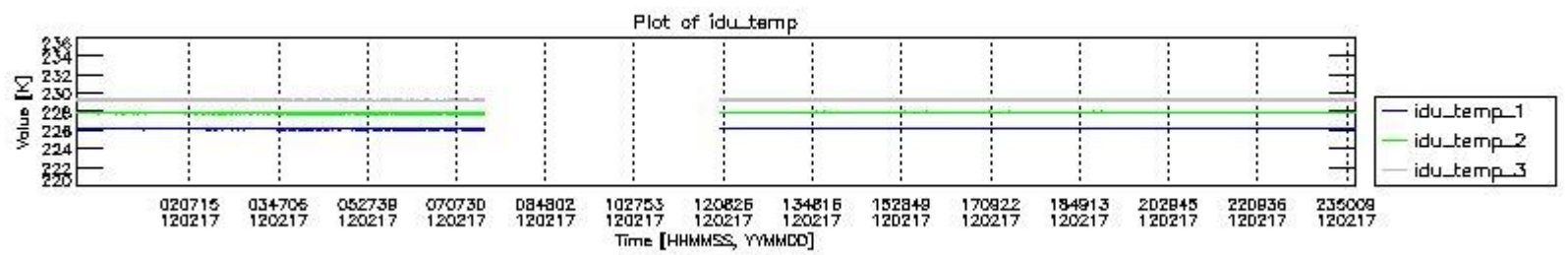
127531	1	0.0025752620
147663	1	0.0025752620
150394	1	0.0025752620



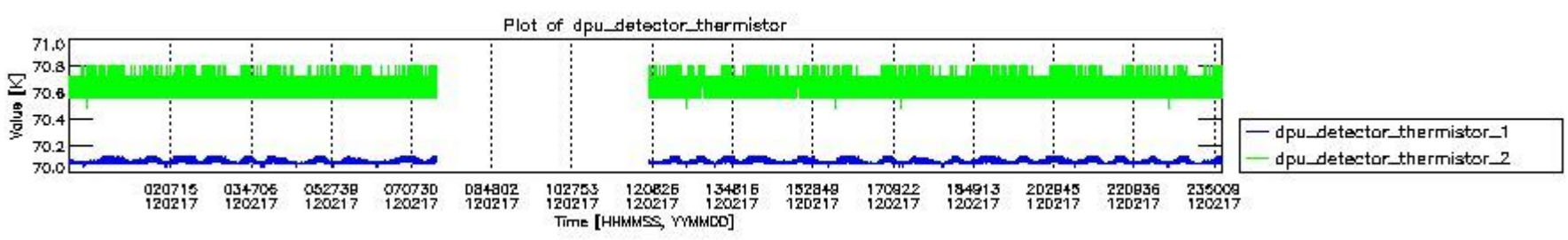
mipas_daily_report_level0_KSPT_L0_4504_N_20120217_0.PNG



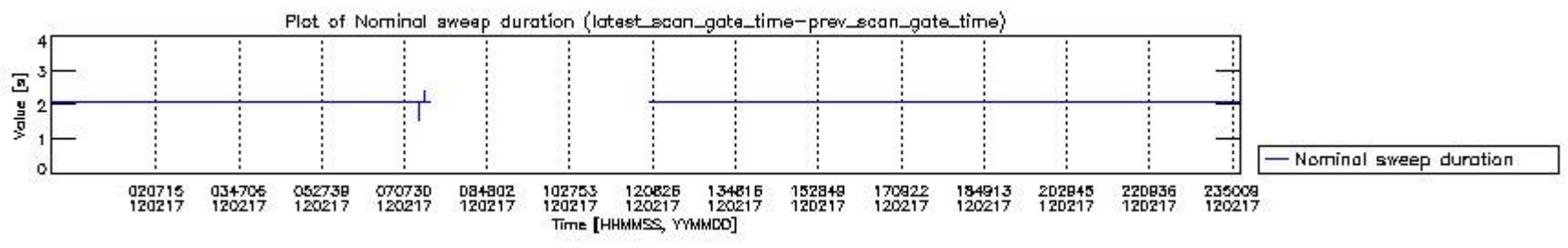
mipas_daily_report_level0_KSPT_L0_4504_N_20120217_1.PNG



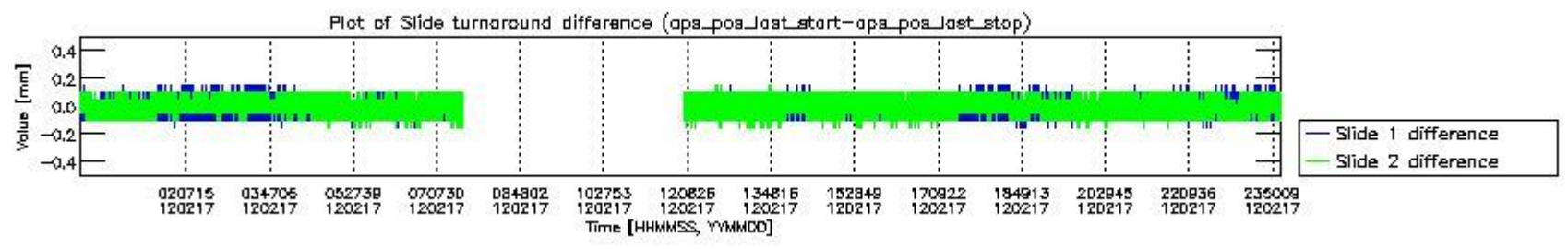
mipas_daily_report_level0_KSPT_L0_4504_N_20120217_2.PNG



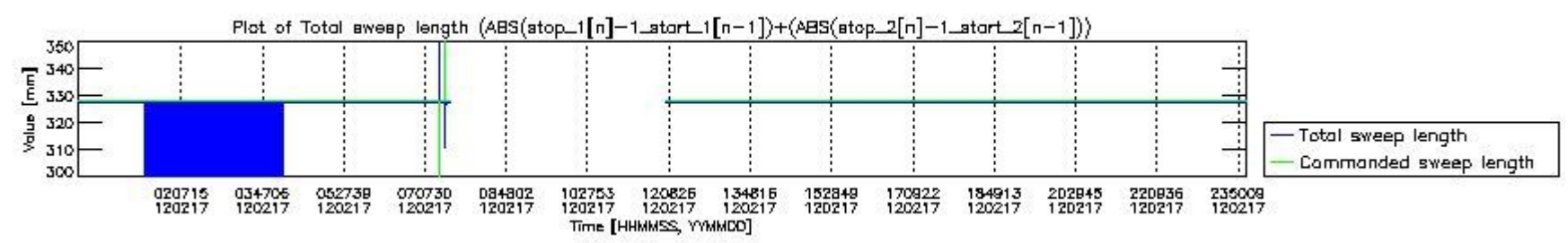
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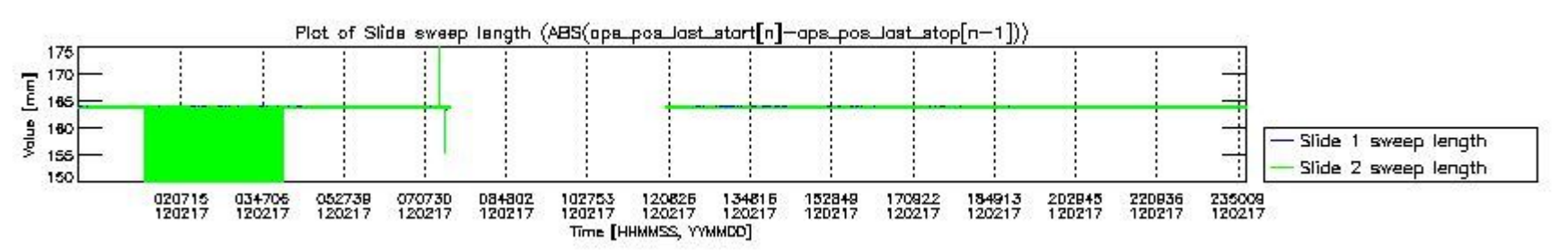
mipas_daily_report_level0_KSPT_L0_4504_N_20120217_4.PNG



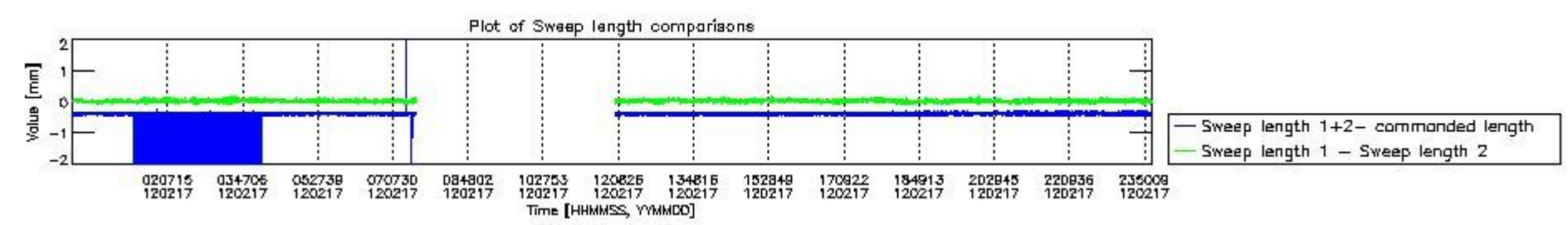
mipas_daily_report_level0_KSPT_L0_4504_N_20120217_5.PNG



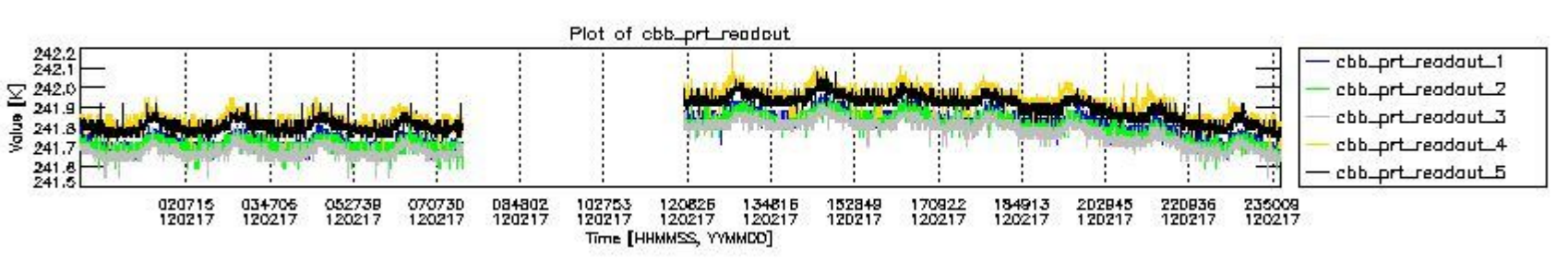
mipas_daily_report_level0_KSPT_L0_4504_N_20120217_6.PNG



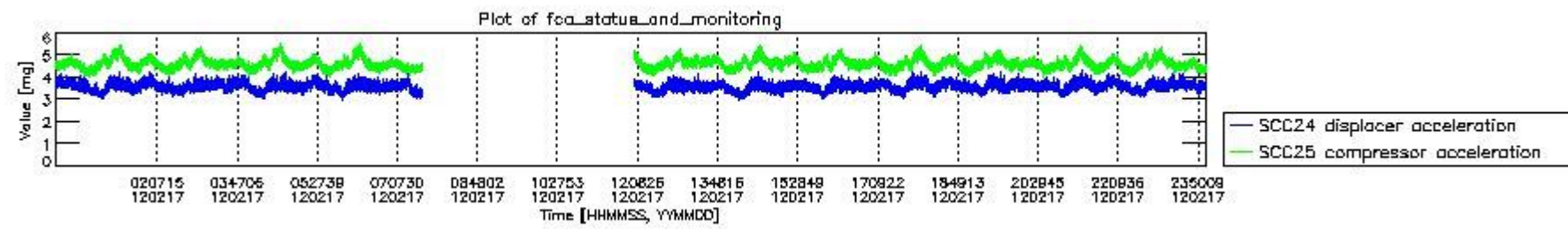
mipas_daily_report_level0_KSPT_L0_4504_N_20120217_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120217_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20120217_9.PNG

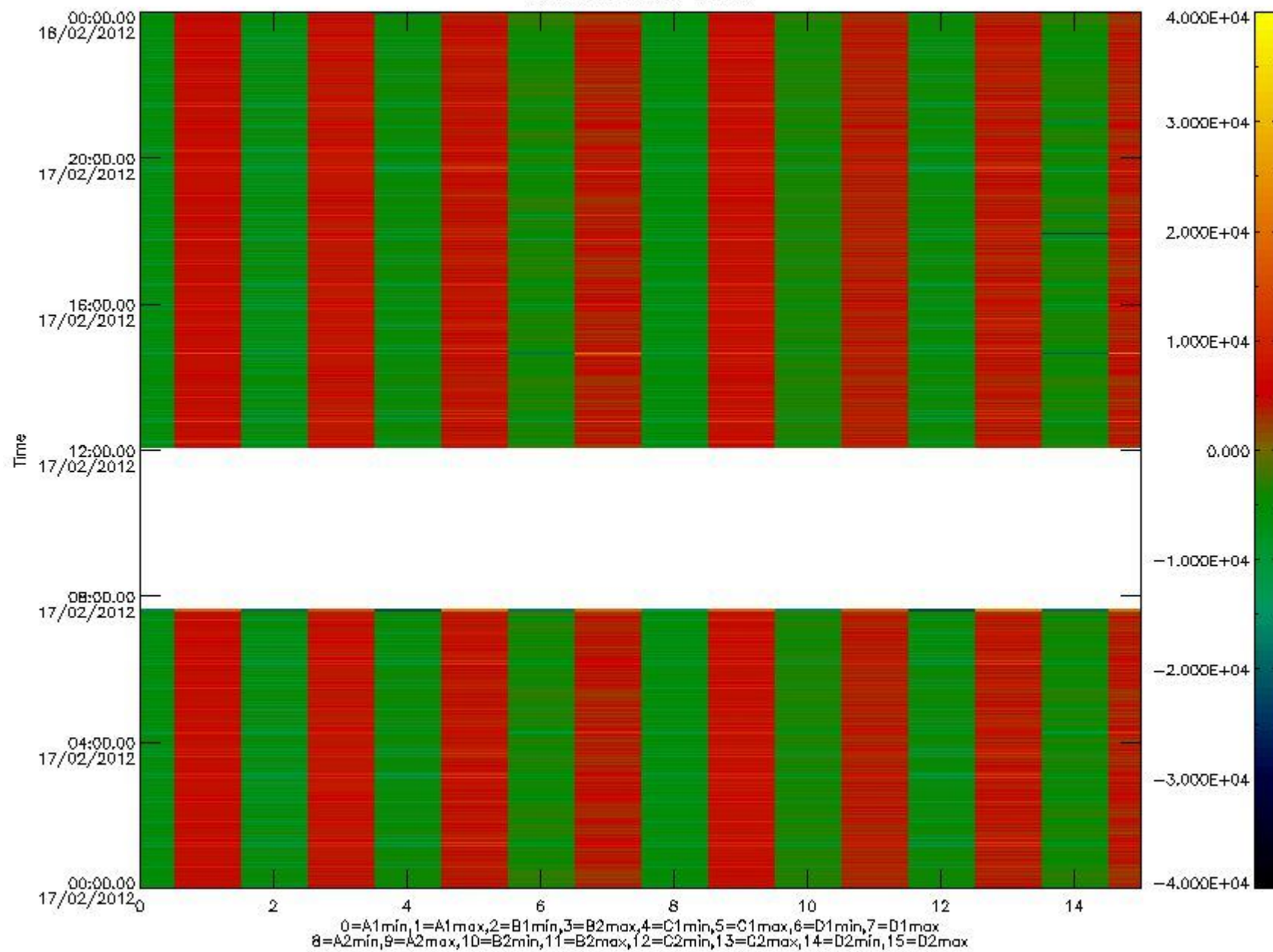


mipas_daily_report_level0_KSPT_L0_4504_N_20120217_10.PNG

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

Channel	Min	Max	ADC
A1	-17122	18012	16bit
B1	-18782	16330	16bit
C1	-22219	21900	16bit
D1	-31280	32767	16bit
A2	-14948	18234	16bit
B2	-16465	16295	16bit
C2	-23050	23460	16bit
D2	-32768	32767	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20120217_11.PNG

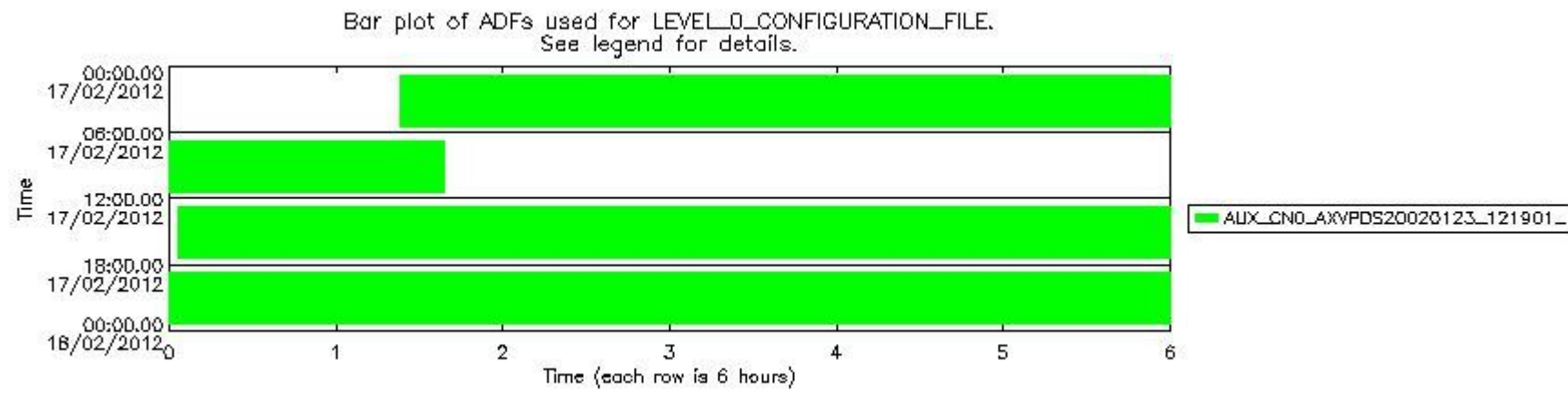
0.3 ADF monitoring

The use of ADFs is shown in two ways:

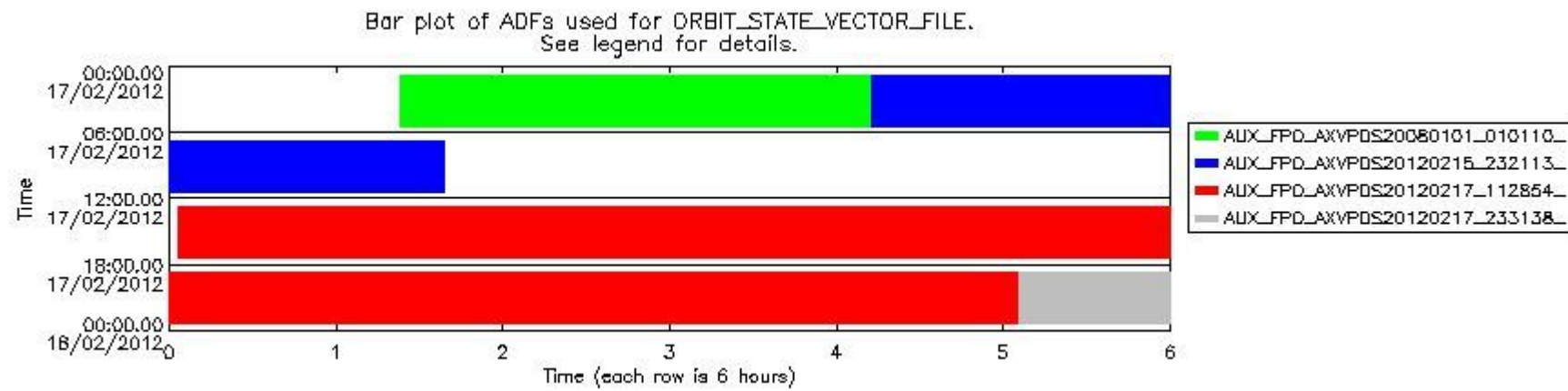
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20080101_010110_20071231_185826_20080110_202439
2	AUX_FPO_AXVPDS20120215_232113_20120215_193050_20120225_200414
3	AUX_FPO_AXVPDS20120217_112854_20120216_185405_20120226_210742
4	AUX_FPO_AXVPDS20120217_233138_20120217_195734_20120227_203057

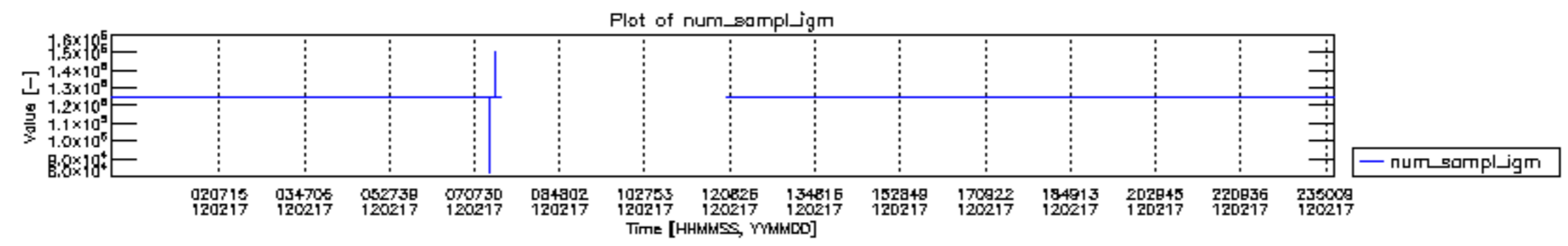
Number	Product name	#CNO	#FPO
0	MIP_NL_0PNPDE20120217_012251_000102263111_00390_52128_1049.N1	0	2
1	MIP_NL_0PNPDE20120217_012252_000025723111_00390_52128_5718.N1	0	1
2	MIP_NL_0PNPDE20120217_020544_000076543111_00391_52129_5717.N1	0	1
3	MIP_NL_0PNPDE20120217_041244_000062673111_00392_52130_1050.N1	0	2
4	MIP_NL_0PNPDE20120217_055637_000061483111_00393_52131_1051.N1	0	2
5	MIP_NL_0PNPDK20120217_120335_000059933111_00397_52135_8550.N1	0	3
6	MIP_NL_0PNPDK20120217_134151_000057803111_00398_52136_8551.N1	0	3
7	MIP_NL_0PNPDK20120217_151647_000060043111_00399_52137_8552.N1	0	3
8	MIP_NL_0PNPDK20120217_165618_000059793111_00400_52138_8553.N1	0	3
9	MIP_NL_0PNPDK20120217_183521_000059293111_00401_52139_8554.N1	0	3
10	MIP_NL_0PNPDE20120217_201225_000044333111_00402_52140_1052.N1	0	3
11	MIP_NL_0PNPDE20120217_212438_000061103111_00402_52140_1053.N1	0	3
12	MIP_NL_0PNPDE20120217_230521_000061063111_00403_52141_1054.N1	0	4

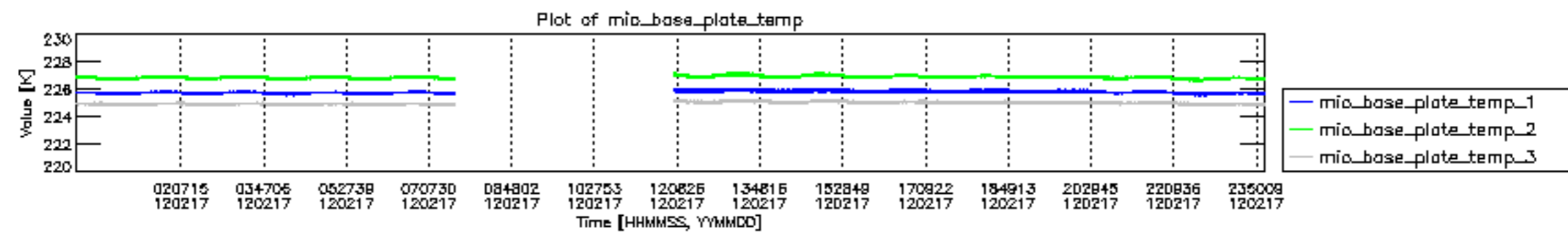


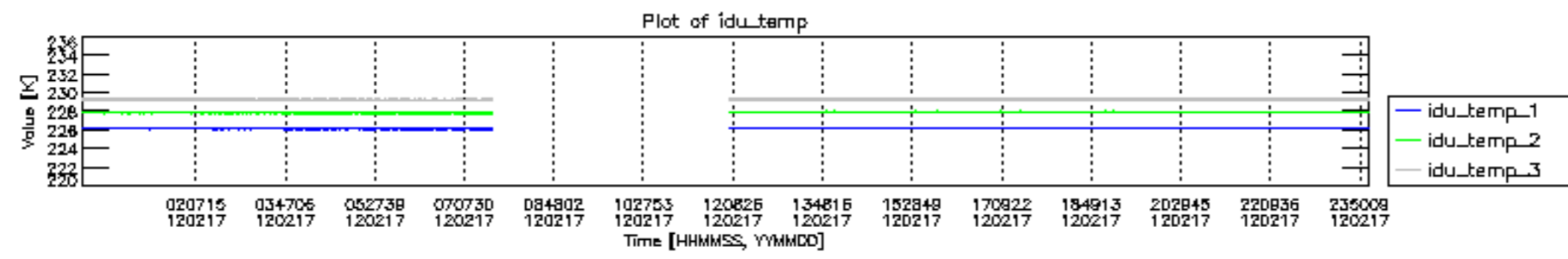
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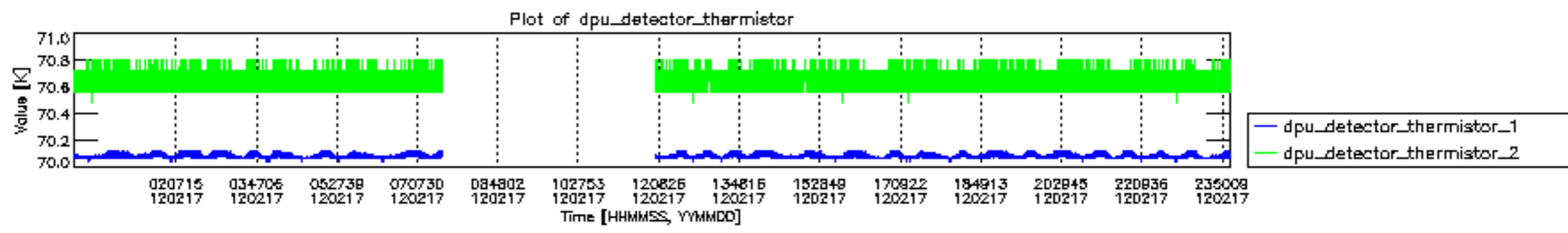


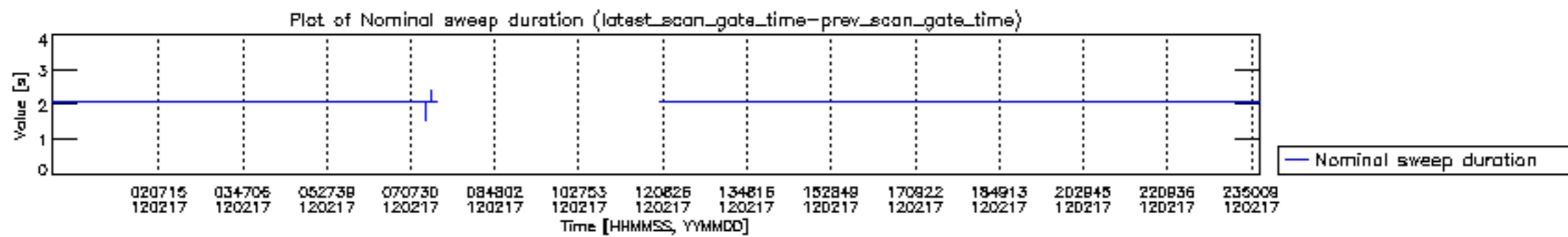
mipas_daily_report_level0_KSPT_L0_4504_N_20120217_13.PNG

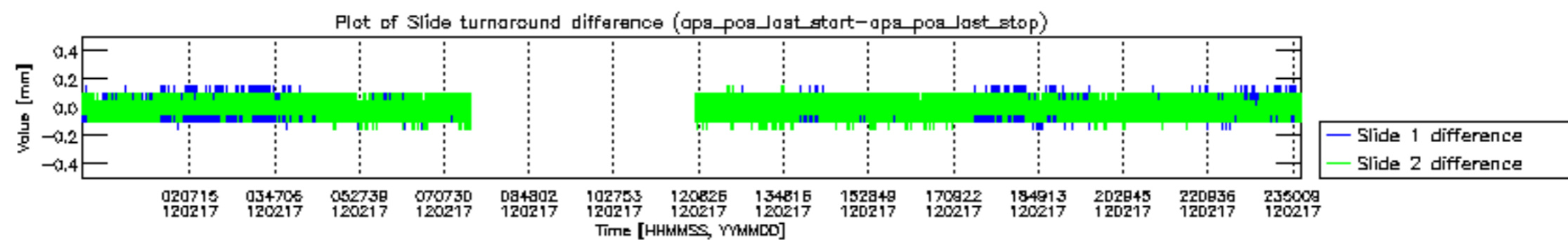


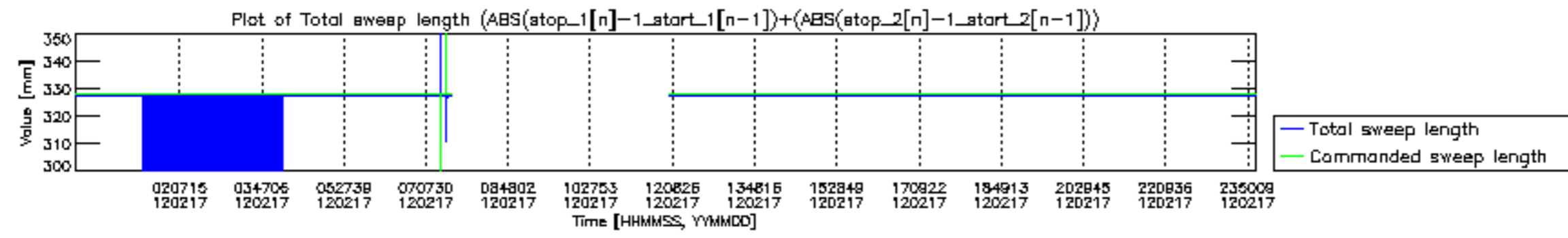


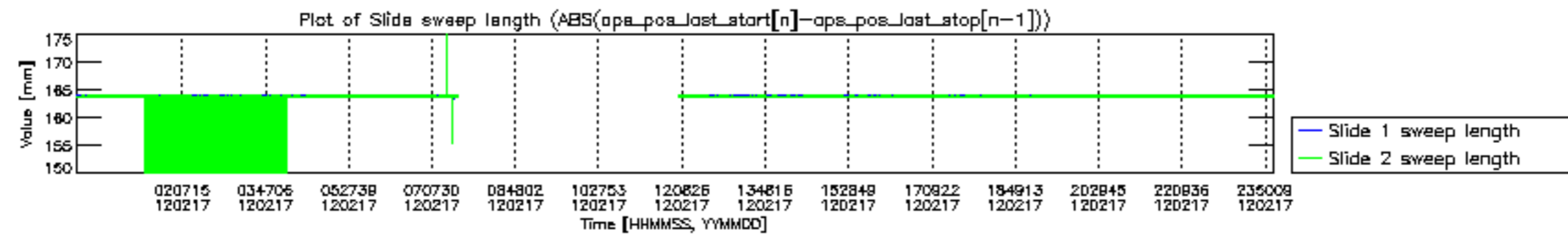


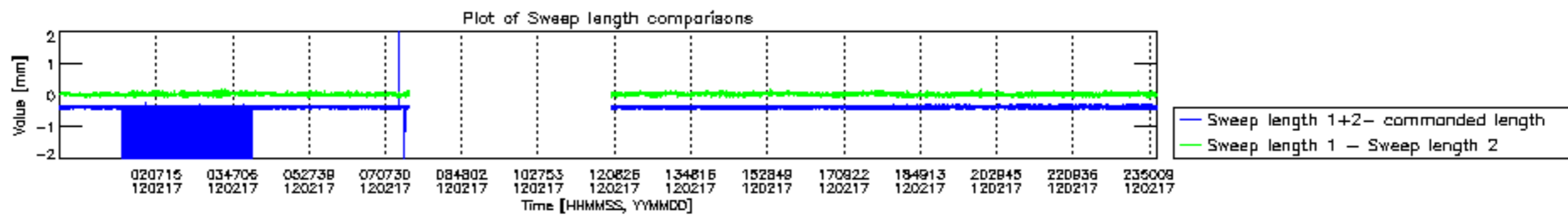


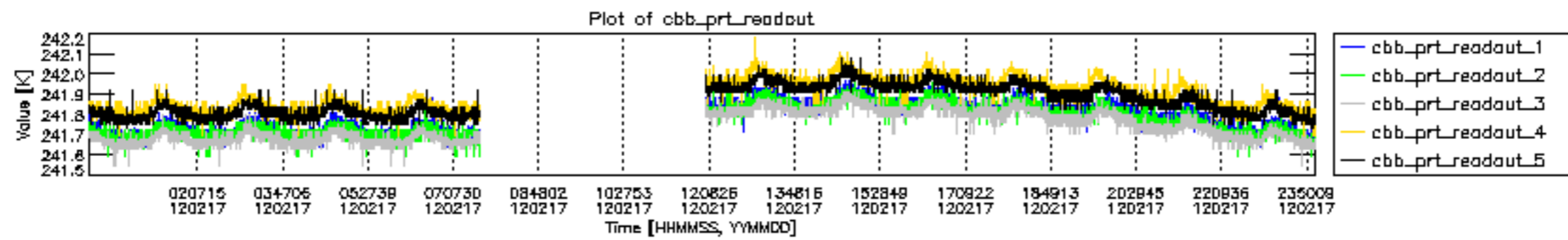


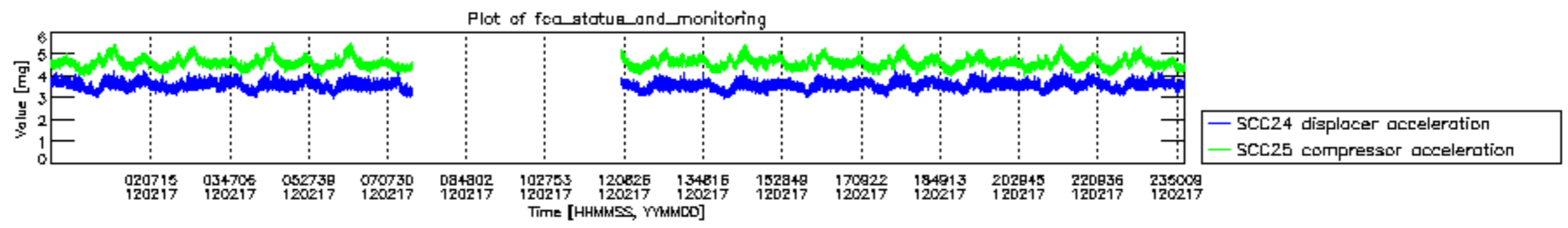




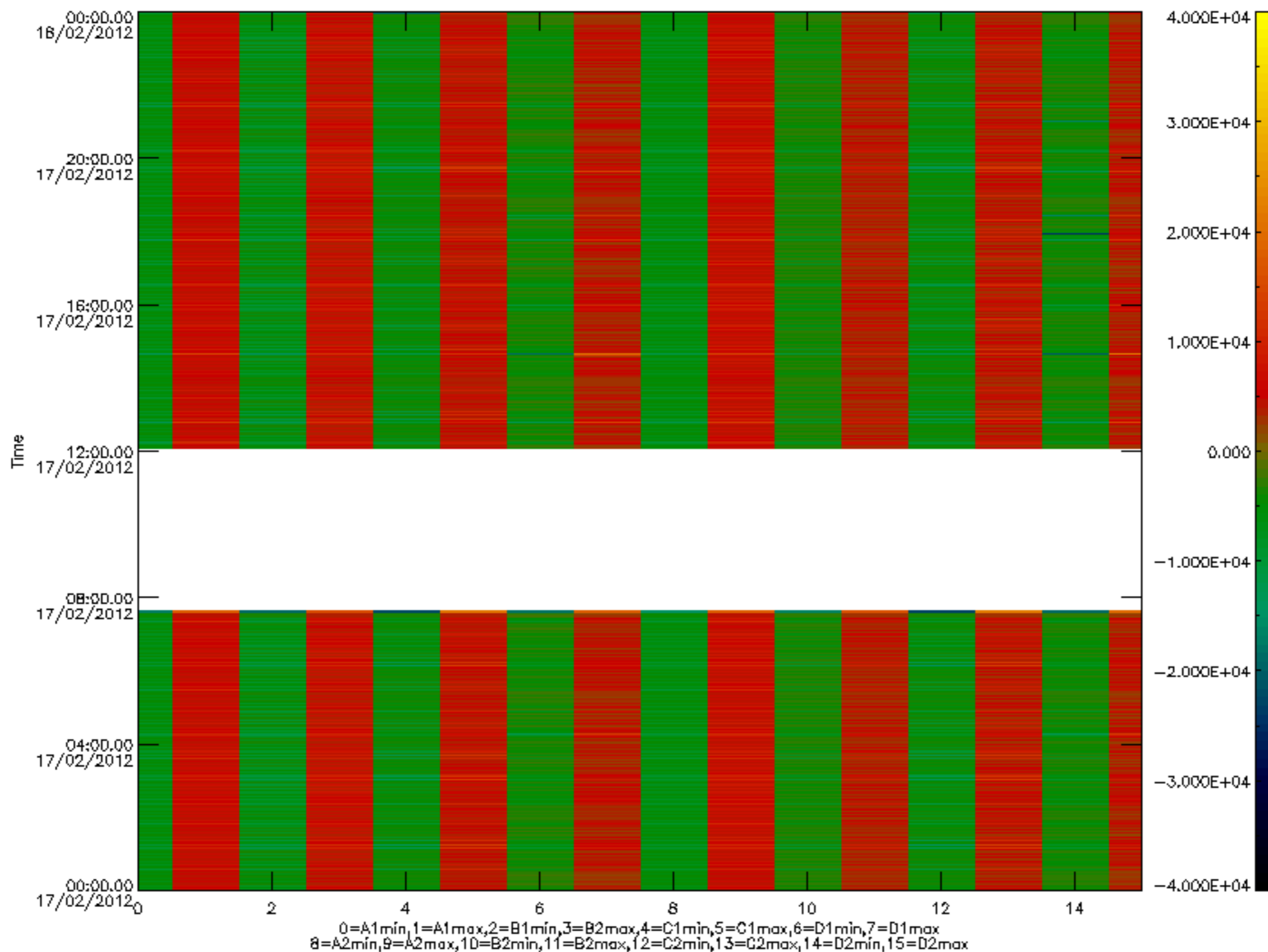


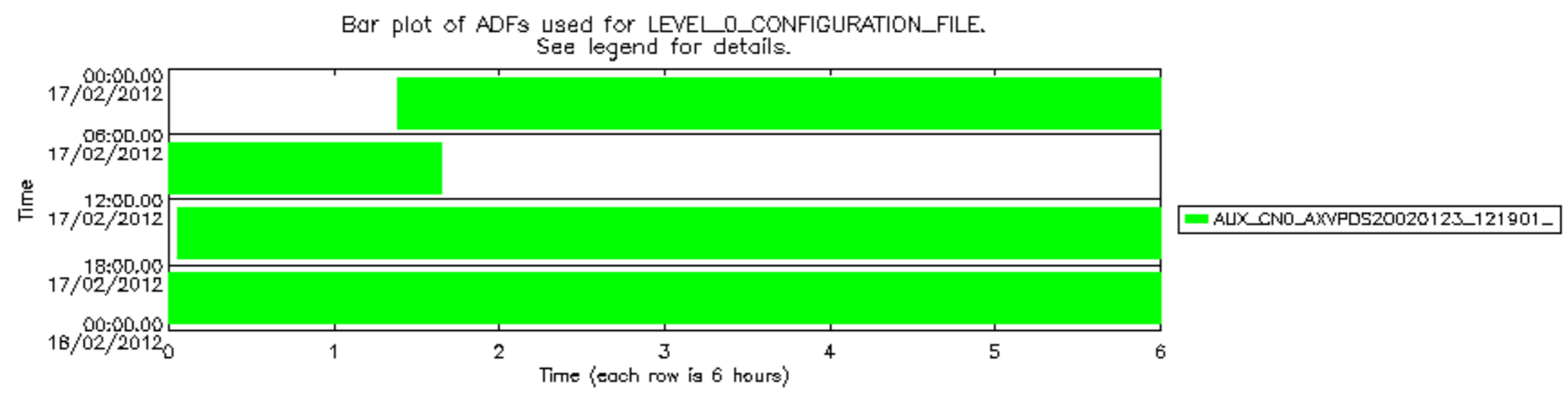






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

