

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	24DEC2011 05:25:42
Data source version	KSPT_L0/4504-N
Processing scope for products	19DEC2011 00:00:00 to 20DEC2011 00:00:00
Start time of first product within scope	19DEC2011 01:23:18
Stop time of last product within scope	20DEC2011 00:47:13
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__0PNPDE20111219_012318_000102073109_00390_51266_0440.N1	19DEC2011 01:23:18	19DEC2011 04:13:25	0	0	0	0	0
1	MIP_NL__0PNPDE20111219_020531_000076753109_00391_51267_5167.N1	19DEC2011 02:05:31	19DEC2011 04:13:26	0	0	0	0	0
2	MIP_NL__0PNPDE20111219_041252_000062573109_00392_51268_0441.N1	19DEC2011 04:12:52	19DEC2011 05:57:09	0	0	0	0	0
3	MIP_NL__0PNPDE20111219_055635_000061613109_00393_51269_0442.N1	19DEC2011 05:56:35	19DEC2011 07:39:16	0	0	0	0	0
4	MIP_NL__0PNPDK20111219_073841_000039253109_00394_51270_7833.N1	19DEC2011 07:38:41	19DEC2011 08:44:06	0	0	0	0	0
5	MIP_NL__0PNPDK20111219_084308_000060213109_00395_51271_7834.N1	19DEC2011 08:43:08	19DEC2011 10:23:28	0	0	0	0	0
6	MIP_NL__0PNPDK20111219_102148_000061333109_00396_51272_7835.N1	19DEC2011 10:21:48	19DEC2011 12:04:01	0	0	0	0	0
7	MIP_NL__0PNPDK20111219_120221_000060483109_00397_51273_7836.N1	19DEC2011 12:02:21	19DEC2011 13:43:09	0	0	0	0	0
8	MIP_NL__0PNPDK20111219_134208_000059223109_00398_51274_7837.N1	19DEC2011 13:42:08	19DEC2011 15:20:50	0	0	0	0	0
9	MIP_NL__0PNPDK20111219_152004_000058703109_00399_51275_7838.N1	19DEC2011 15:20:04	19DEC2011 16:57:55	0	0	0	0	0
10	MIP_NL__0PNPDK20111219_165654_000058603109_00400_51276_7839.N1	19DEC2011 16:56:54	19DEC2011 18:34:34	0	0	0	0	0
11	MIP_NL__0PNPDK20111219_183325_000060373109_00401_51277_7840.N1	19DEC2011 18:33:25	19DEC2011 20:14:02	0	0	0	0	0
12	MIP_NL__0PNPDE20111219_201203_000044123109_00402_51278_0443.N1	19DEC2011 20:12:03	19DEC2011 21:25:35	0	0	0	0	0
13	MIP_NL__0PNPDE20111219_212439_000062093109_00402_51278_0444.N1	19DEC2011 21:24:39	19DEC2011 23:08:08	0	0	0	0	0
14	MIP_NL__0PNPDE20111219_230703_000060103109_00403_51279_5172.N1	19DEC2011 23:07:03	20DEC2011 00:47:13	0	0	0	0	0

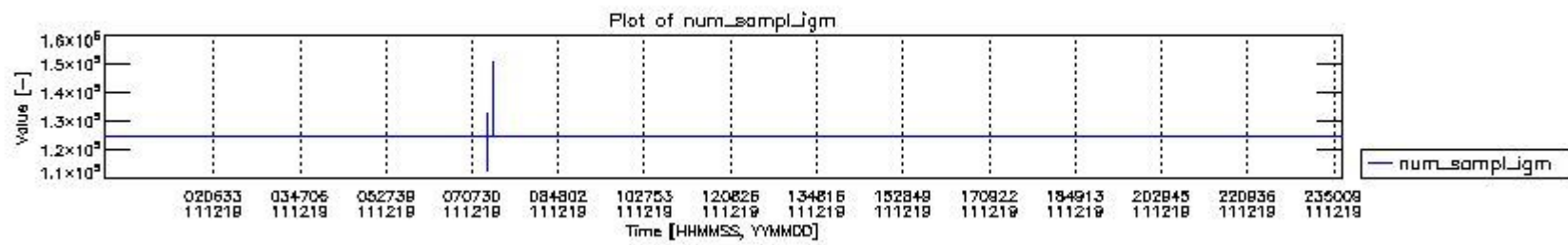
0.2 Instrument Operational Performance Parameters

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.

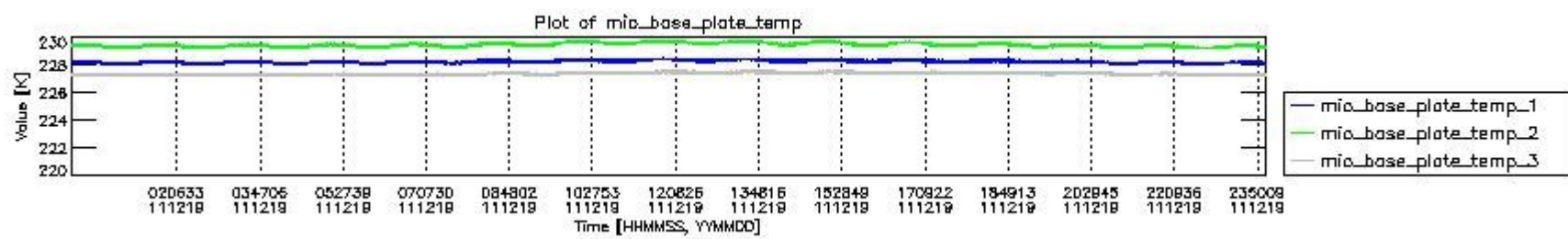
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
112737	1	0.0022062879
120806	1	0.0022062879
124800	42105	92.895753

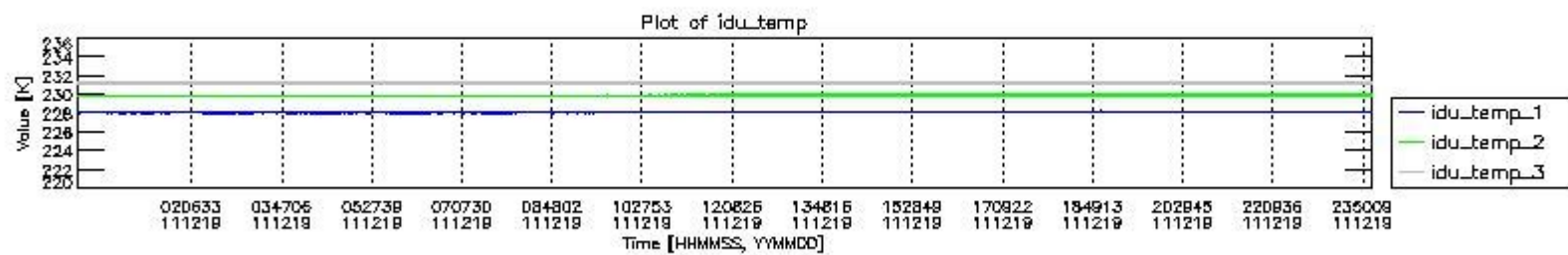
124803	3214	7.0910094
127605	1	0.0022062879
132869	1	0.0022062879
147737	1	0.0022062879
150542	1	0.0022062879



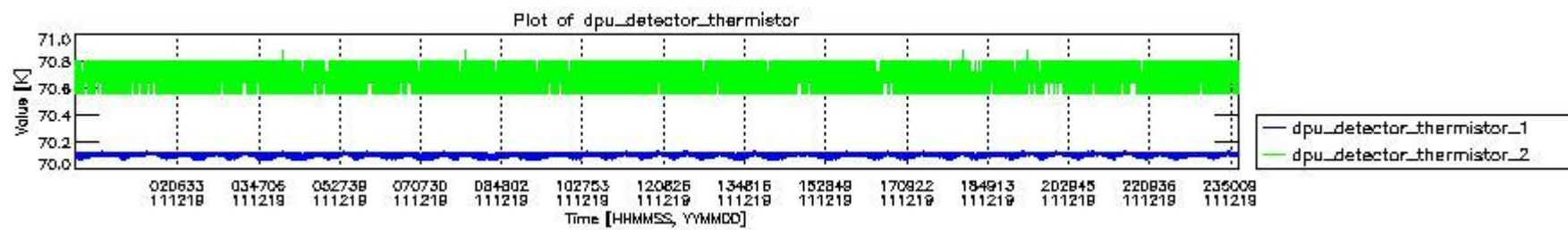
mipas_daily_report_level0_KSPT_L0_4504_N_20111219_0.PNG



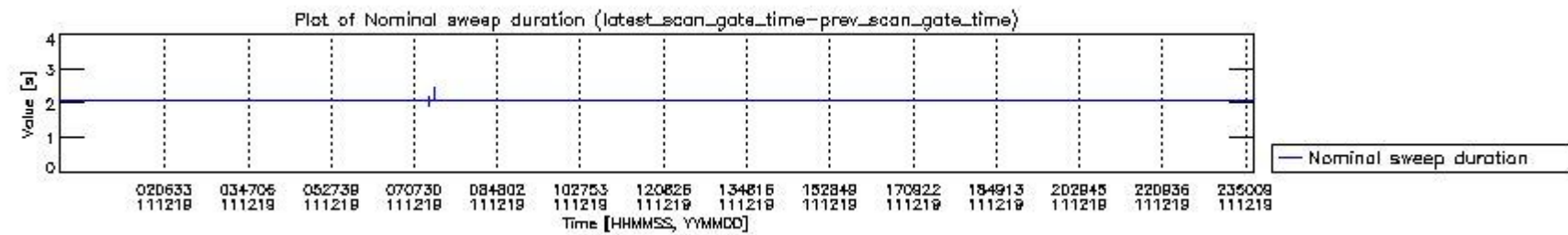
mipas_daily_report_level0_KSPT_L0_4504_N_20111219_1.PNG



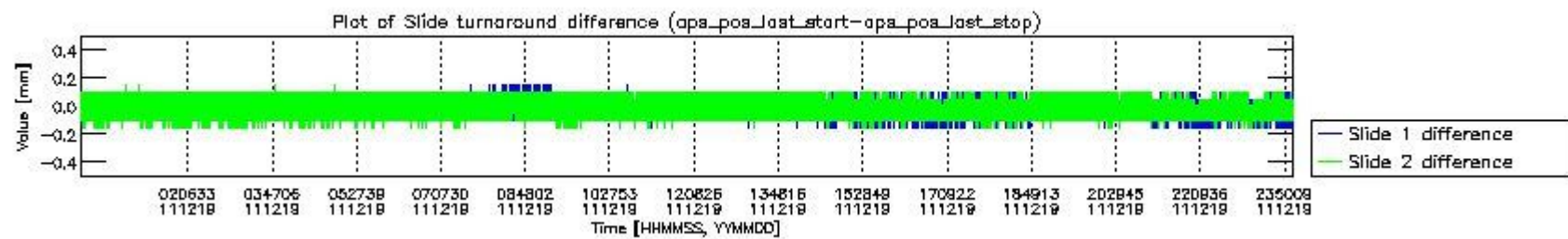
mipas_daily_report_level0_KSPT_L0_4504_N_20111219_2.PNG



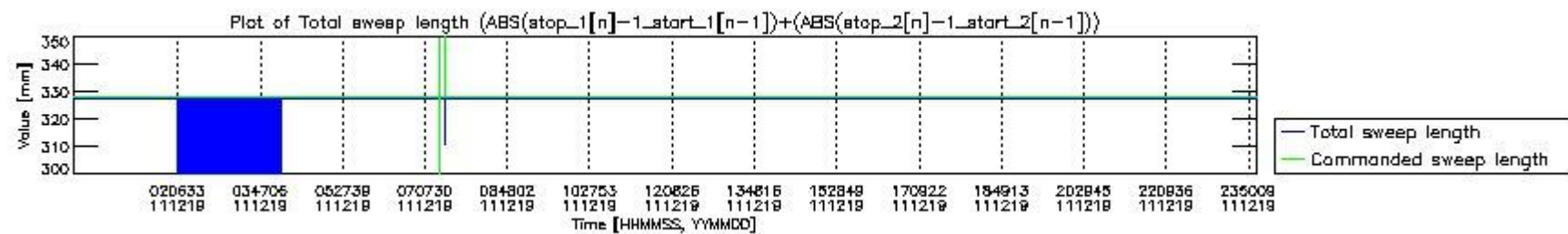
mipas_daily_report_level0_KSPT_L0_4504_N_20111219_3.PNG



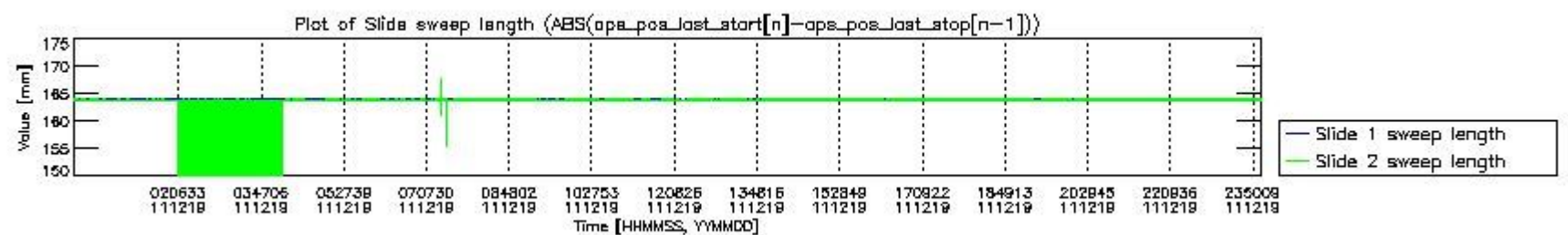
mipas_daily_report_level0_KSPT_L0_4504_N_20111219_4.PNG



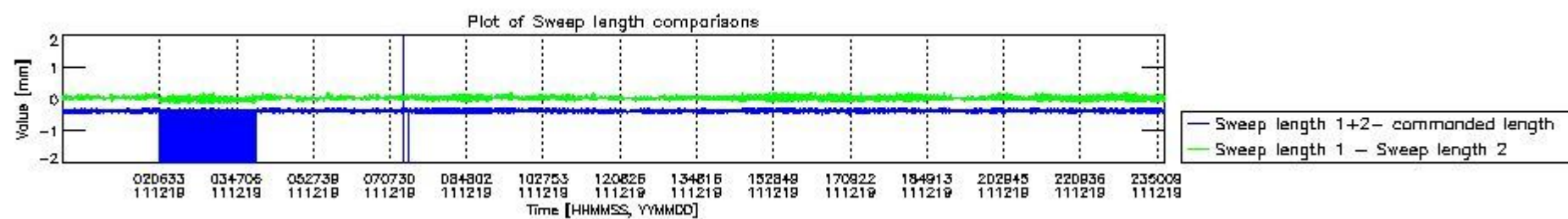
mipas_daily_report_level0_KSPT_L0_4504_N_20111219_5.PNG



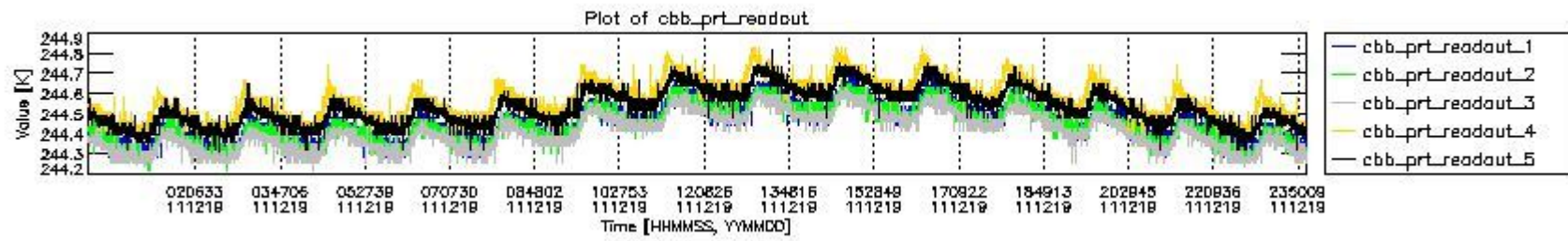
mipas_daily_report_level0_KSPT_L0_4504_N_20111219_6.PNG



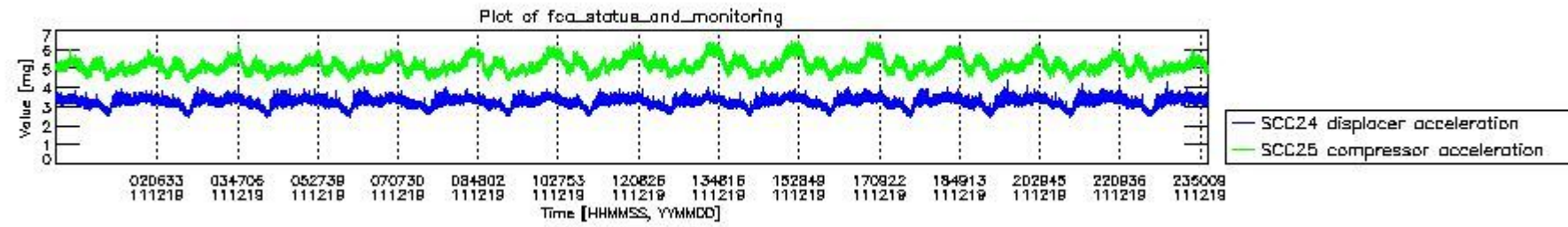
mipas_daily_report_level0_KSPT_L0_4504_N_20111219_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111219_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111219_9.PNG

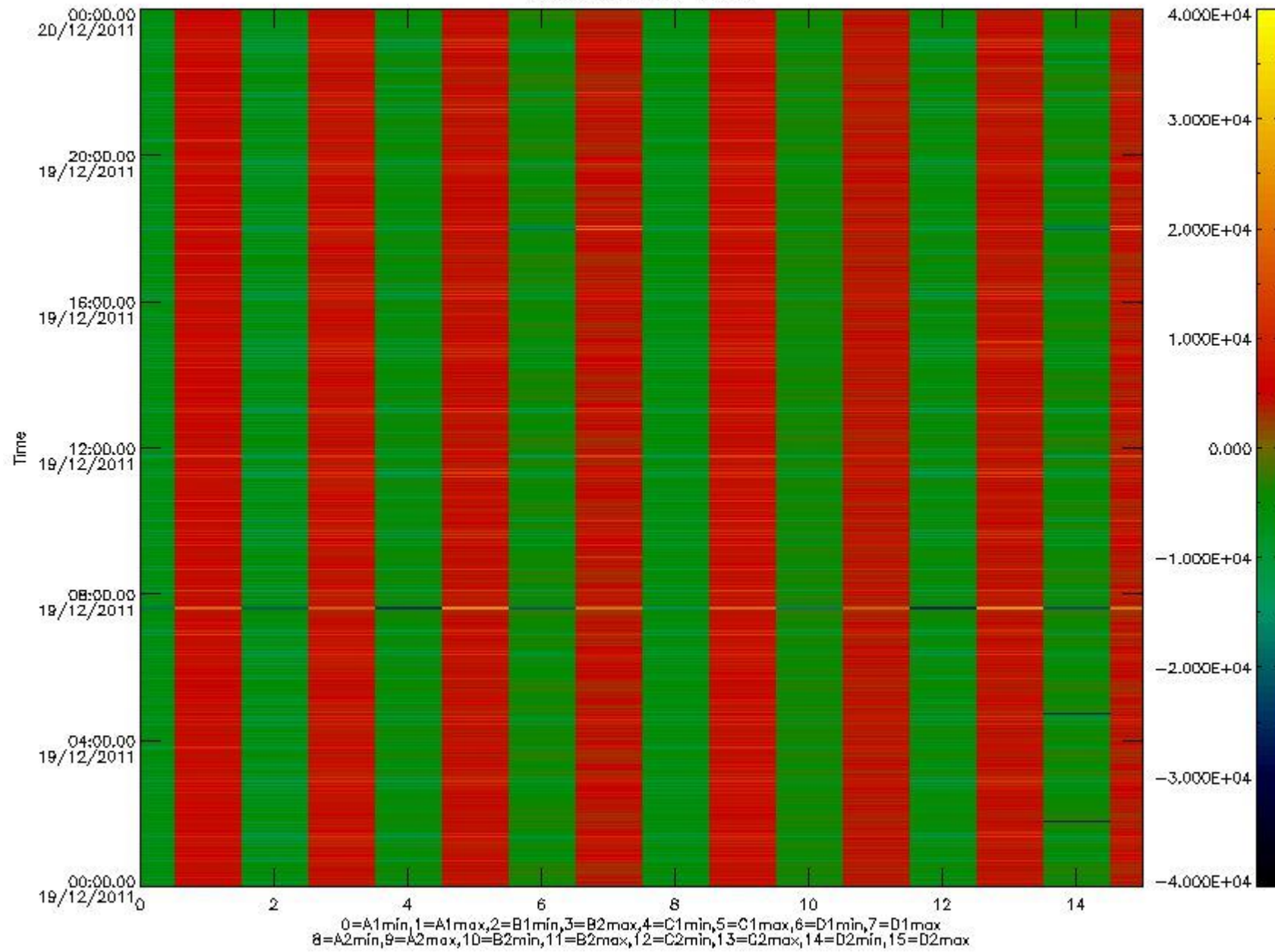


mipas_daily_report_level0_KSPT_L0_4504_N_20111219_10.PNG

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

Channel	Min	Max	ADC
A1	-18083	19142	16bit
B1	-20381	17519	16bit
C1	-24670	24570	16bit
D1	-32768	32767	16bit
A2	-15711	19356	16bit
B2	-18225	17887	16bit
C2	-25699	25269	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_20111219_11.PNG

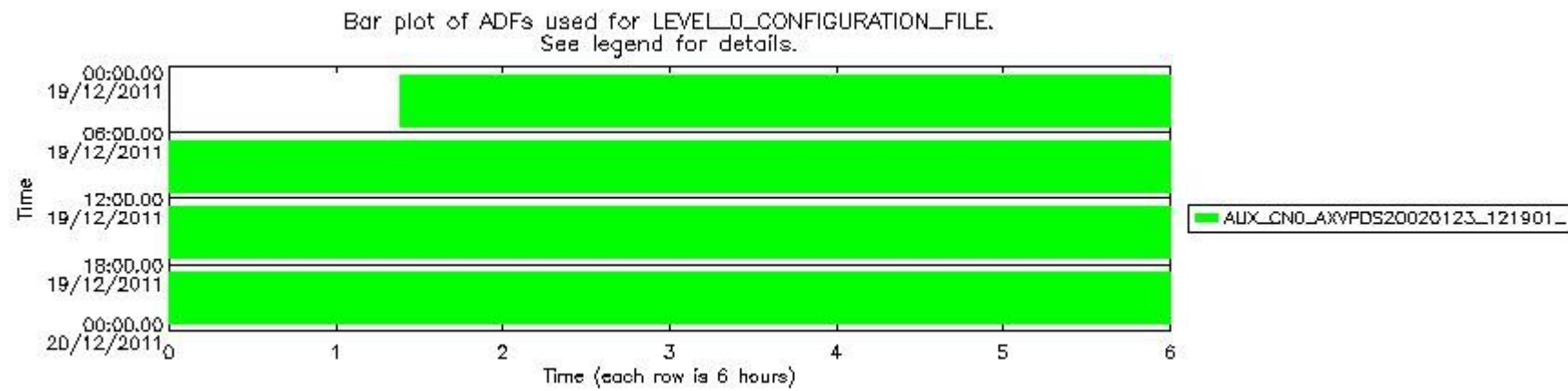
0.3 ADF monitoring

The use of ADFs is shown in two ways:

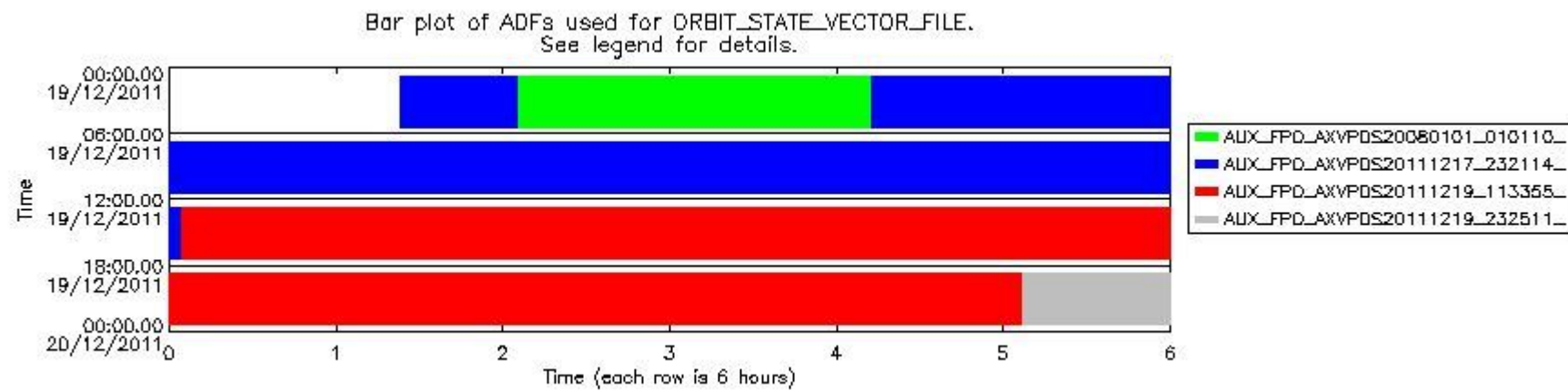
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20080101_010110_20071231_185826_20080110_202439
2	AUX_FPO_AXVPDS20111217_232114_20111217_193041_20111227_200407
3	AUX_FPO_AXVPDS20111219_113355_20111218_185356_20111228_210737
4	AUX_FPO_AXVPDS20111219_232511_20111219_195725_20111229_203052

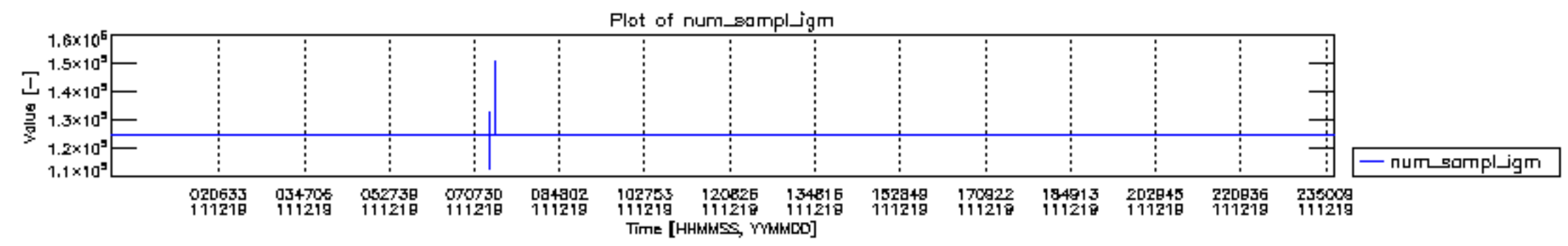
Number	Product name	#CNO	#FPO
0	MIP_NL_0PNPDE20111219_012318_000102073109_00390_51266_0440.N1	0	2
1	MIP_NL_0PNPDE20111219_020531_000076753109_00391_51267_5167.N1	0	1
2	MIP_NL_0PNPDE20111219_041252_000062573109_00392_51268_0441.N1	0	2
3	MIP_NL_0PNPDE20111219_055635_000061613109_00393_51269_0442.N1	0	2
4	MIP_NL_0PNPDK20111219_073841_000039253109_00394_51270_7833.N1	0	2
5	MIP_NL_0PNPDK20111219_084308_000060213109_00395_51271_7834.N1	0	2
6	MIP_NL_0PNPDK20111219_102148_000061333109_00396_51272_7835.N1	0	2
7	MIP_NL_0PNPDK20111219_120221_000060483109_00397_51273_7836.N1	0	3
8	MIP_NL_0PNPDK20111219_134208_000059223109_00398_51274_7837.N1	0	3
9	MIP_NL_0PNPDK20111219_152004_000058703109_00399_51275_7838.N1	0	3
10	MIP_NL_0PNPDK20111219_165654_000058603109_00400_51276_7839.N1	0	3
11	MIP_NL_0PNPDK20111219_183325_000060373109_00401_51277_7840.N1	0	3
12	MIP_NL_0PNPDE20111219_201203_000044123109_00402_51278_0443.N1	0	3
13	MIP_NL_0PNPDE20111219_212439_000062093109_00402_51278_0444.N1	0	3
14	MIP_NL_0PNPDE20111219_230703_000060103109_00403_51279_5172.N1	0	4

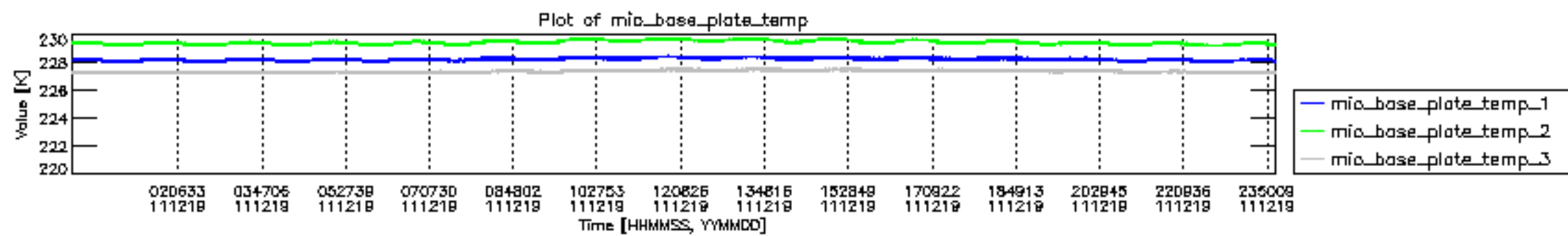


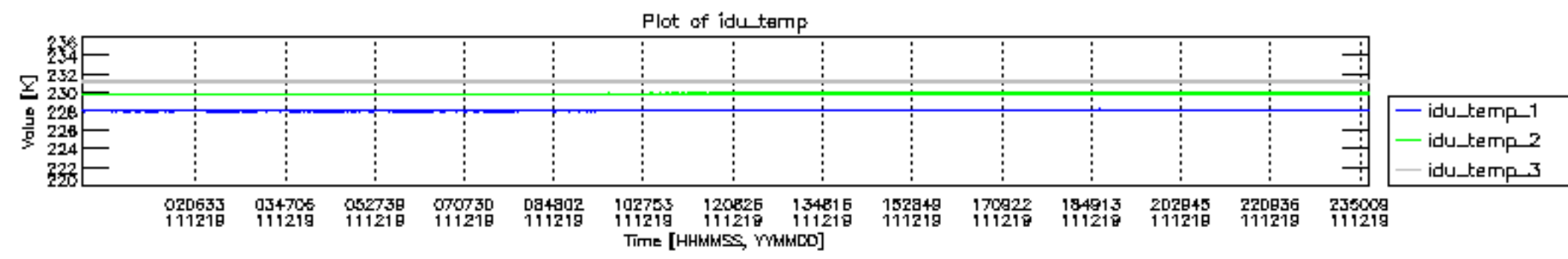
mipas_daily_report_level0_KSPT_L0_4504_N_20111219_12.PNG

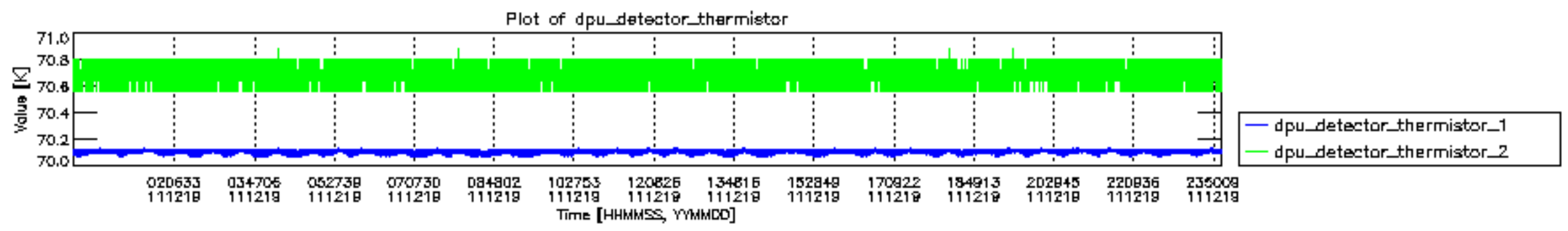


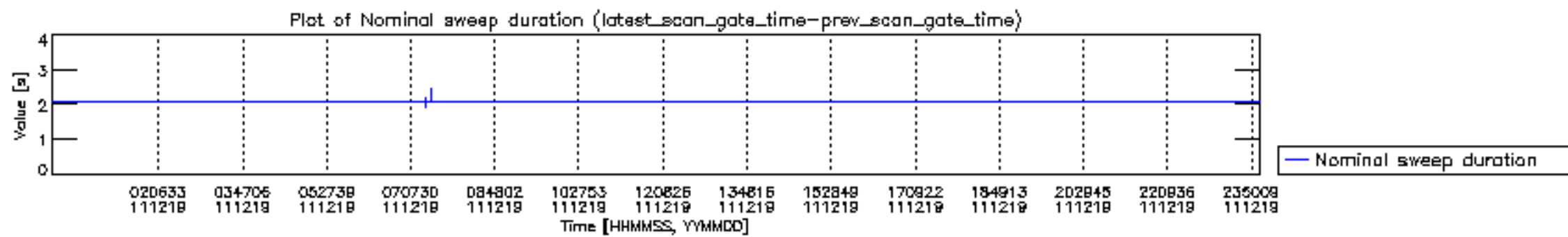
mipas_daily_report_level0_KSPT_L0_4504_N_20111219_13.PNG

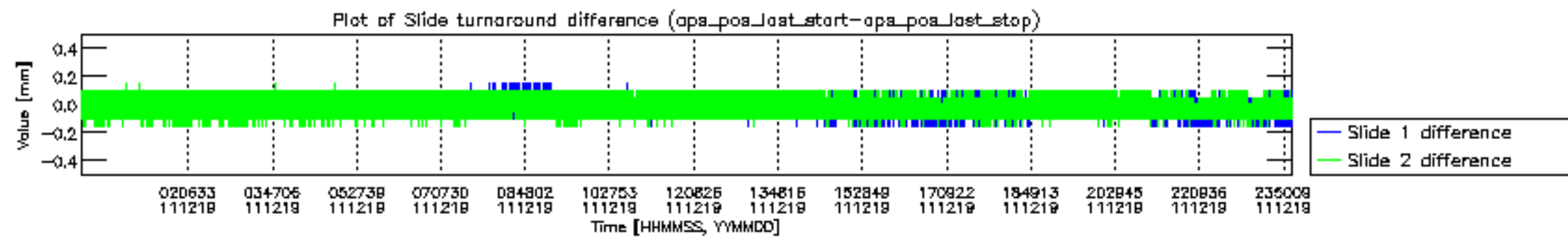


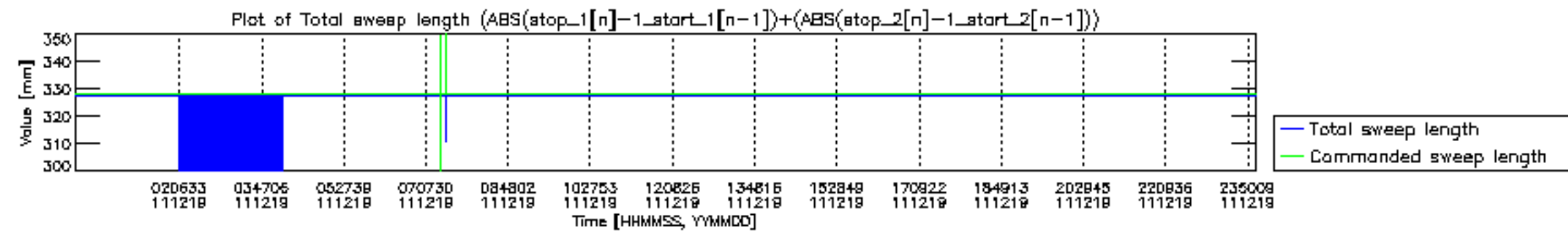


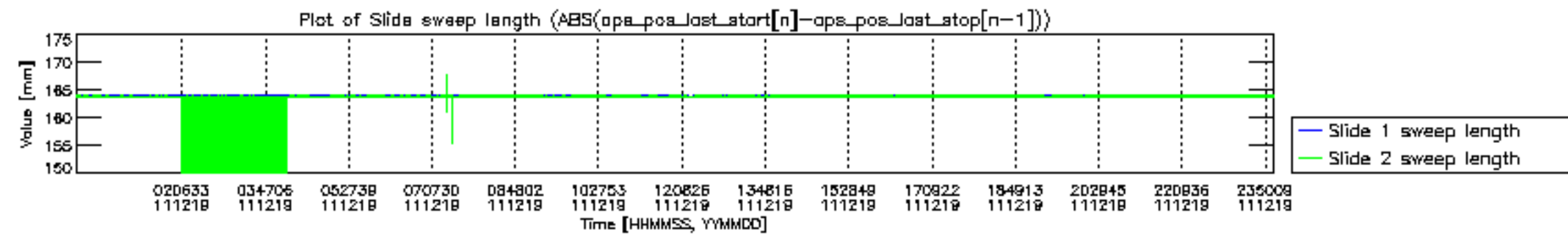


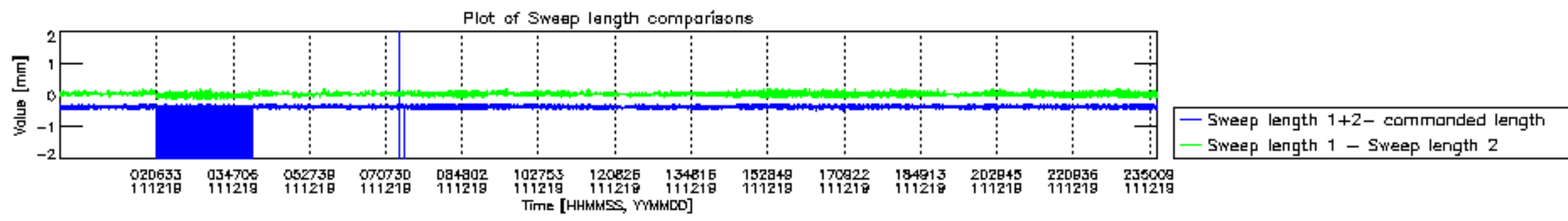


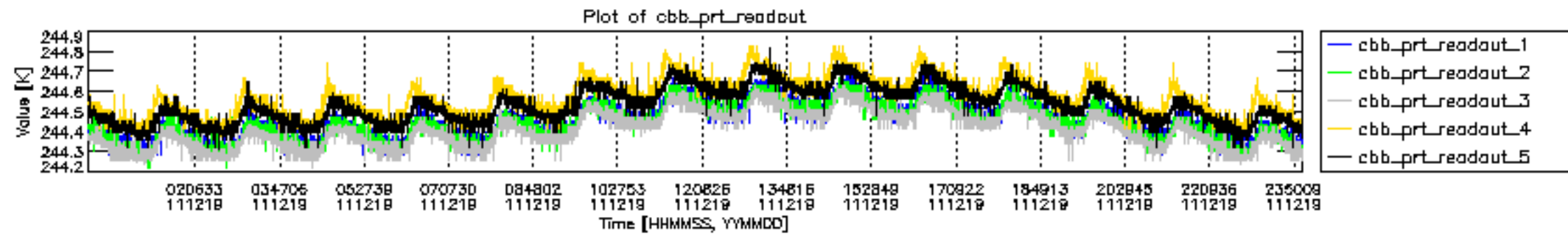


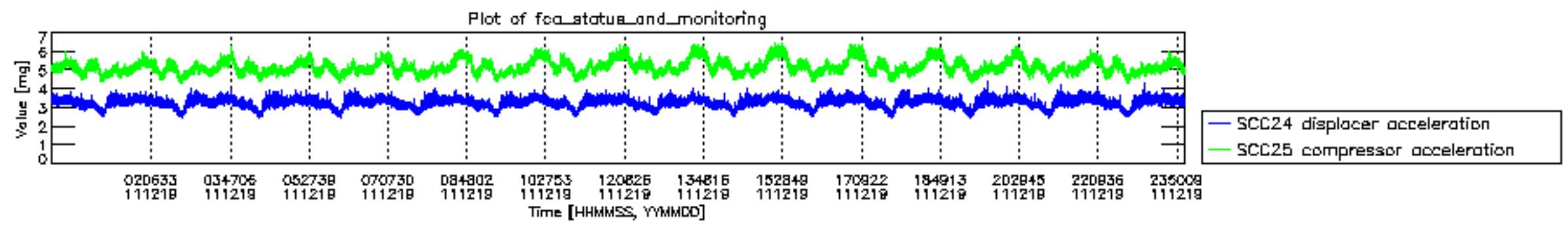




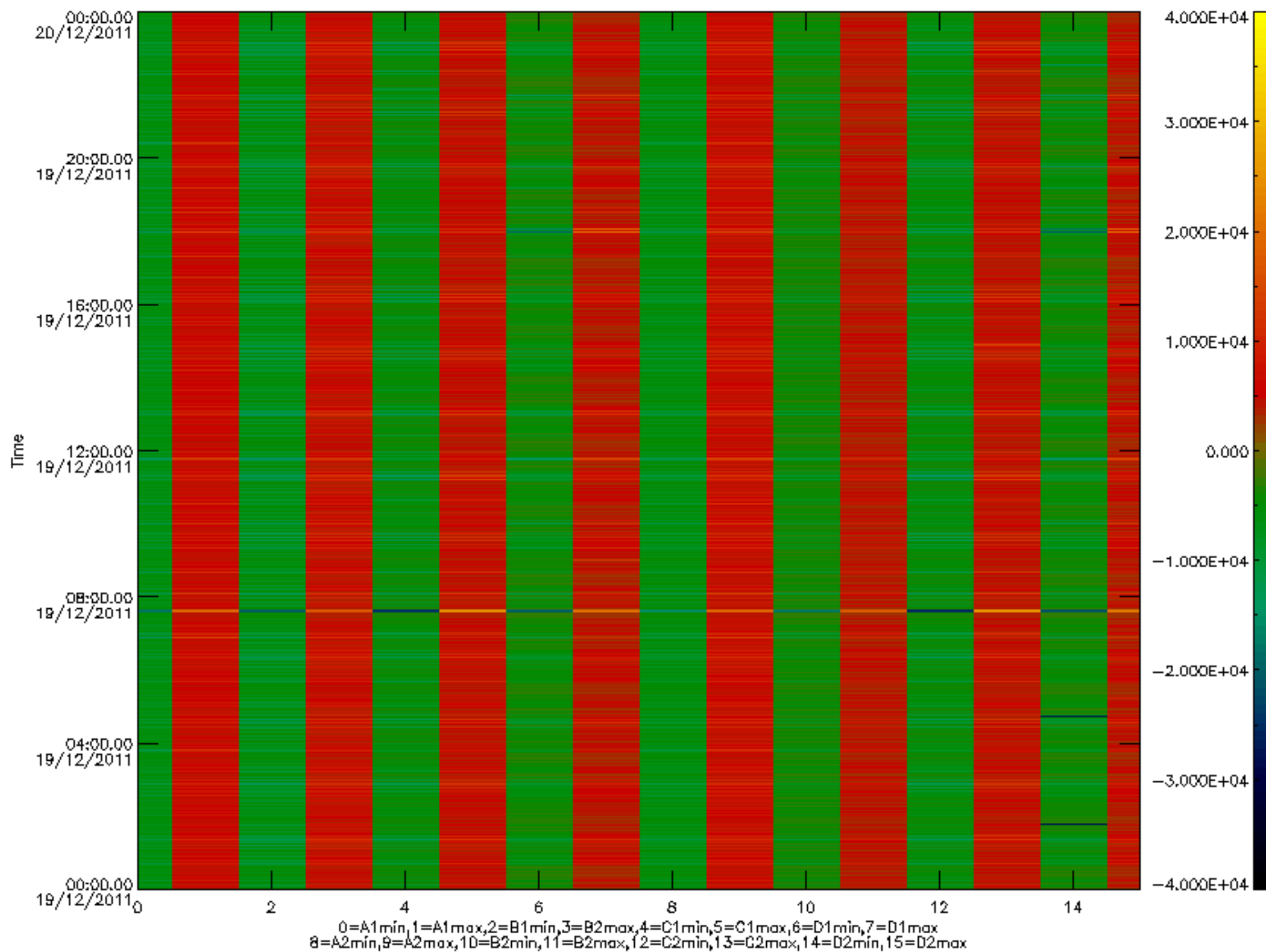


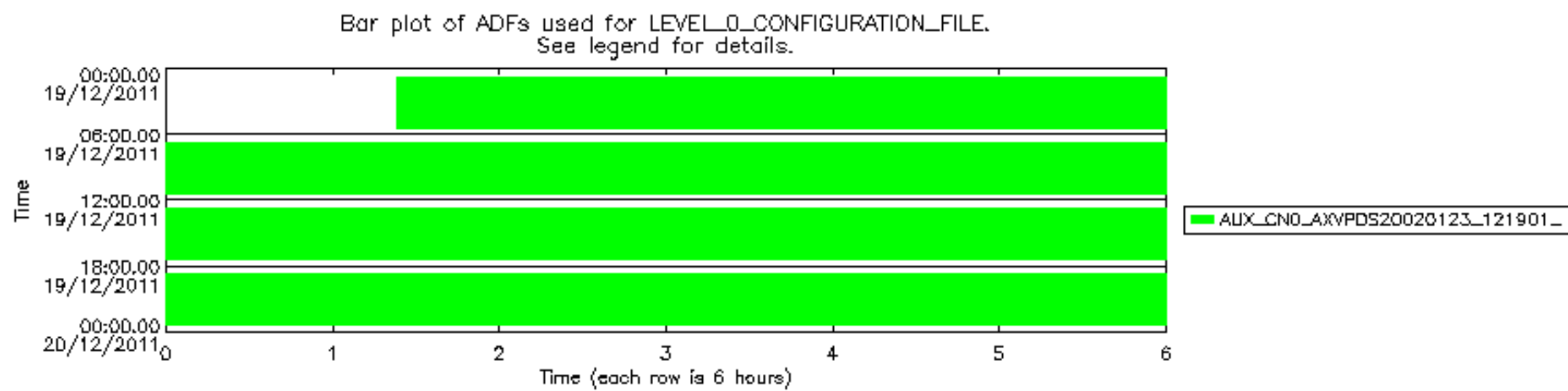






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

