

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	16NOV2011 05:25:05
Data source version	KSPT_L0/4504-N
Processing scope for products	11NOV2011 00:00:00 to 12NOV2011 00:00:00
Start time of first product within scope	11NOV2011 01:14:32
Stop time of last product within scope	12NOV2011 00:40:35
Total number of level 0 products	16
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__0PNPDE20111111_011432_000103403108_00275_50720_4808.N1	11NOV2011 01:14:32	11NOV2011 04:06:52	0	0	0	0	0
1	MIP_NL__0PNPDE20111111_013546_000013603108_00276_50721_9988.N1	11NOV2011 01:35:46	11NOV2011 01:58:26	0	0	0	0	0
2	MIP_NL__0PNPDE20111111_015828_000077043108_00276_50721_4809.N1	11NOV2011 01:58:28	11NOV2011 04:06:52	0	0	0	0	0
3	MIP_NL__0PNPDE20111111_040621_000062093108_00277_50722_4810.N1	11NOV2011 04:06:21	11NOV2011 05:49:50	0	0	0	0	0
4	MIP_NL__0PNPDE20111111_054916_000061443108_00278_50723_4811.N1	11NOV2011 05:49:16	11NOV2011 07:31:40	0	0	0	0	0
5	MIP_NL__0PNPDK20111111_073107_000039063108_00279_50724_7493.N1	11NOV2011 07:31:07	11NOV2011 08:36:13	0	0	0	0	0
6	MIP_NL__0PNPDK20111111_083514_000061023108_00280_50725_7494.N1	11NOV2011 08:35:14	11NOV2011 10:16:56	0	0	0	0	0
7	MIP_NL__0PNPDK20111111_101518_000061003108_00281_50726_7495.N1	11NOV2011 10:15:18	11NOV2011 11:56:58	0	0	0	0	0
8	MIP_NL__0PNPDK20111111_115518_000060603108_00282_50727_7496.N1	11NOV2011 11:55:18	11NOV2011 13:36:18	0	0	0	0	0
9	MIP_NL__0PNPDK20111111_133438_000059603108_00283_50728_7497.N1	11NOV2011 13:34:38	11NOV2011 15:13:58	0	0	0	0	0
10	MIP_NL__0PNPDK20111111_151220_000059143108_00284_50729_7498.N1	11NOV2011 15:12:20	11NOV2011 16:50:54	0	0	0	0	0
11	MIP_NL__0PNPDK20111111_164941_000059043108_00285_50730_7499.N1	11NOV2011 16:49:41	11NOV2011 18:28:04	0	0	0	0	0
12	MIP_NL__0PNPDK20111111_182704_000060603108_00286_50731_7500.N1	11NOV2011 18:27:04	11NOV2011 20:08:04	0	0	0	0	0
13	MIP_NL__0PNPDE20111111_200607_000040803108_00287_50732_4812.N1	11NOV2011 20:06:07	11NOV2011 21:14:07	0	0	0	0	0
14	MIP_NL__0PNPDE20111111_211233_000065013108_00287_50732_4813.N1	11NOV2011 21:12:33	11NOV2011 23:00:54	0	0	0	0	0
15	MIP_NL__0PNPDE20111111_225947_000060483108_00288_50733_4814.N1	11NOV2011 22:59:47	12NOV2011 00:40:35	0	0	0	0	0

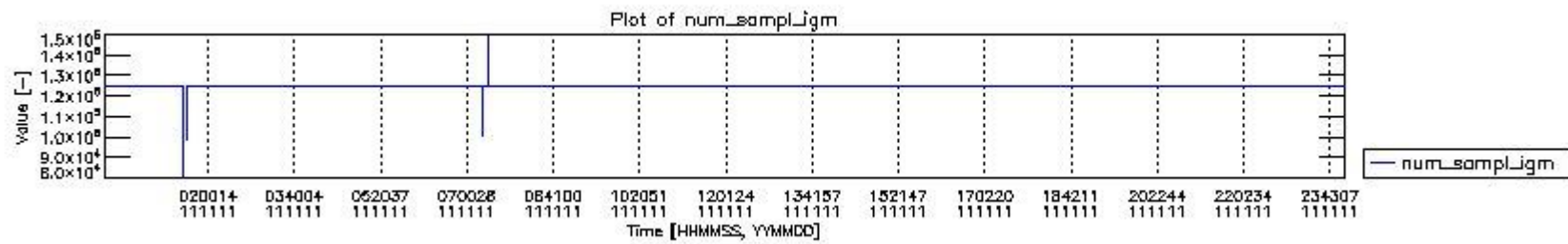
0.2 Instrument Operational Performance Parameters

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.

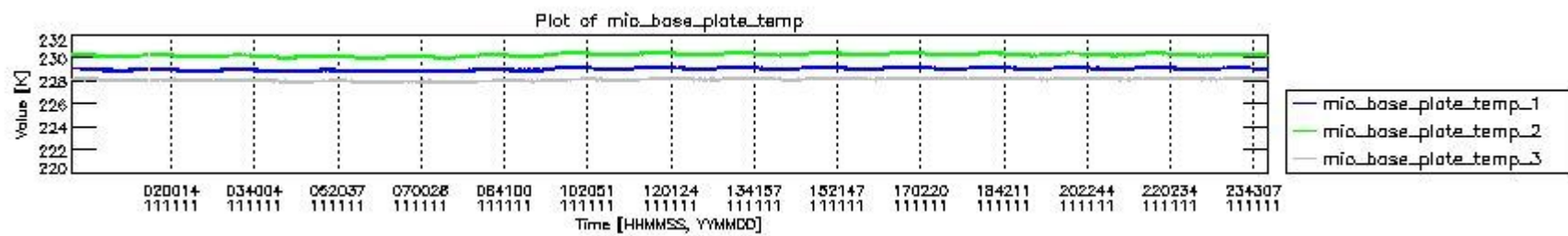
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
80066	1	0.0024089420
92367	1	0.0024089420

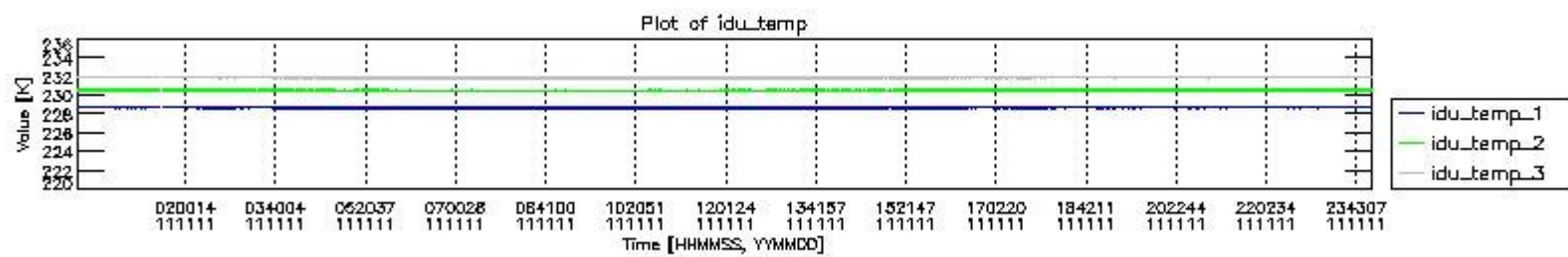
98922	1	0.0024089420
100288	1	0.0024089420
102478	1	0.0024089420
112499	1	0.0024089420
122610	1	0.0024089420
123548	1	0.0024089420
124174	1	0.0024089420
124800	38593	92.968298
124803	2907	7.0027944
127085	1	0.0024089420
147217	1	0.0024089420
149502	1	0.0024089420



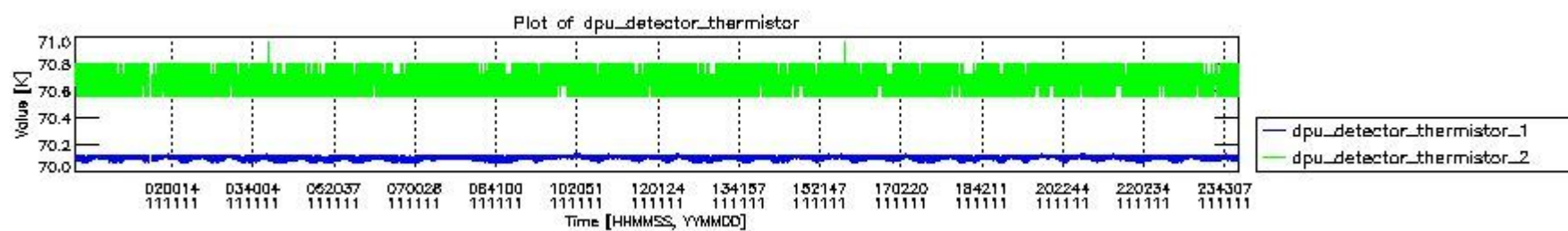
mipas_daily_report_level0_KSPT_L0_4504_N_20111111_0.PNG



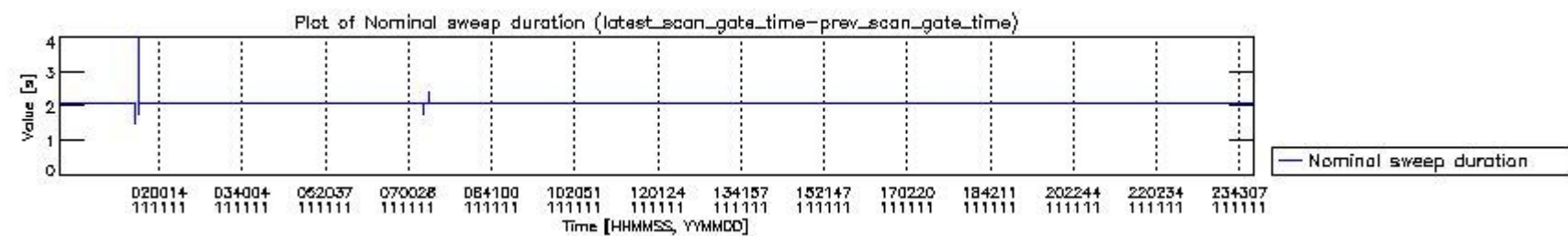
mipas_daily_report_level0_KSPT_L0_4504_N_20111111_1.PNG



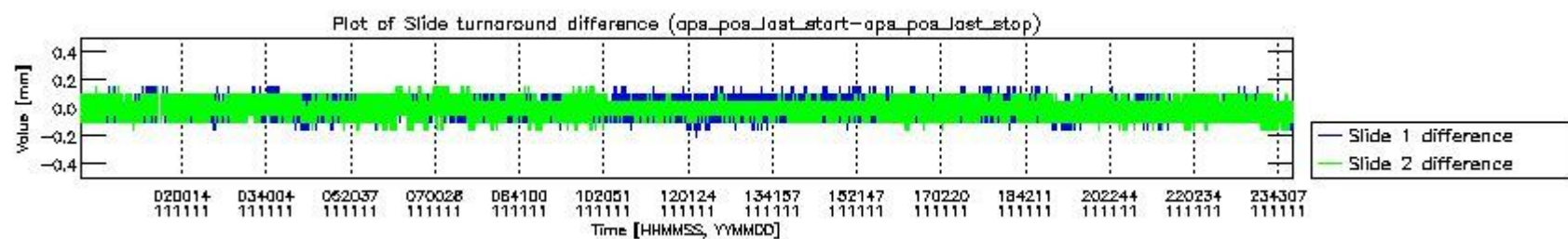
mipas_daily_report_level0_KSPT_L0_4504_N_20111111_2.PNG



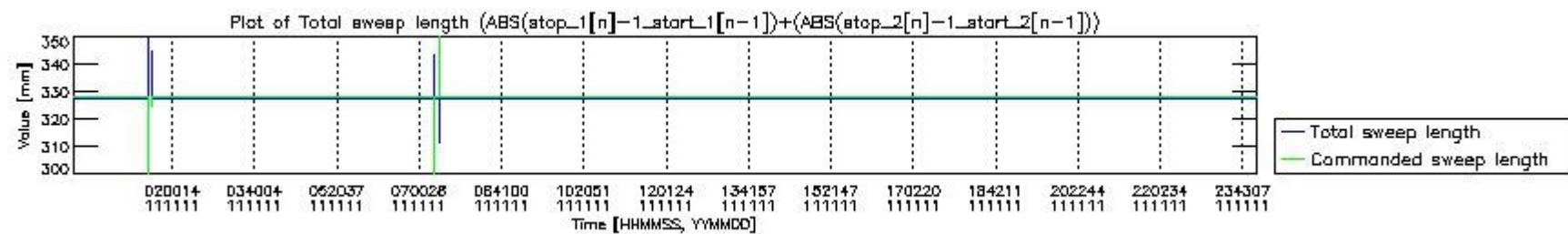
mipas_daily_report_level0_KSPT_L0_4504_N_20111111_3.PNG



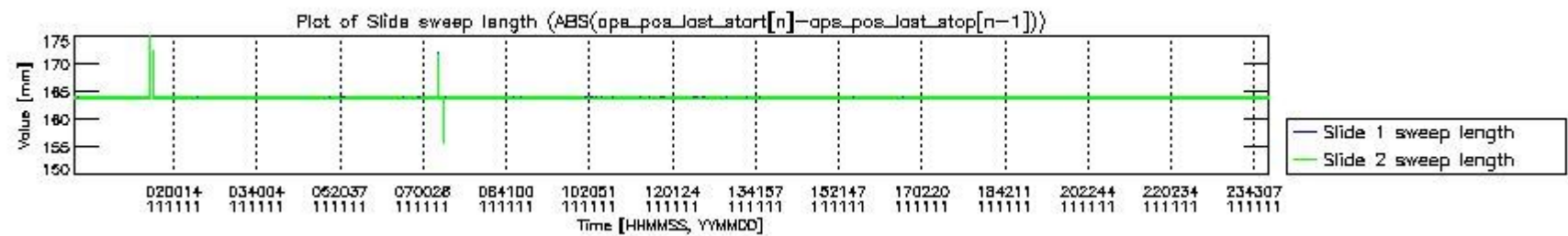
mipas_daily_report_level0_KSPT_L0_4504_N_20111111_4.PNG



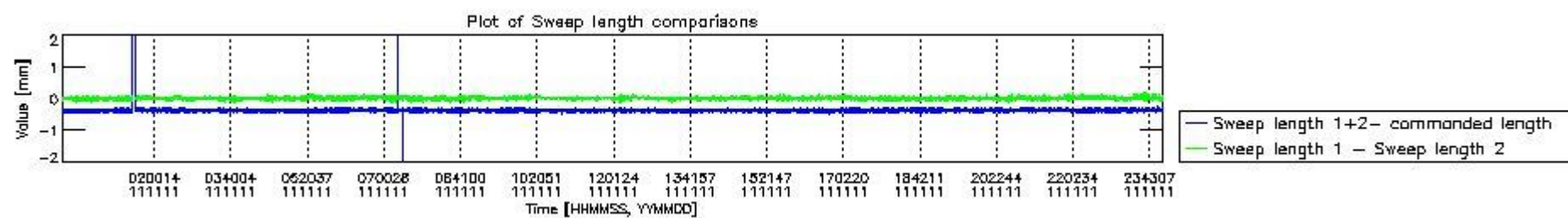
mipas_daily_report_level0_KSPT_L0_4504_N_20111111_5.PNG



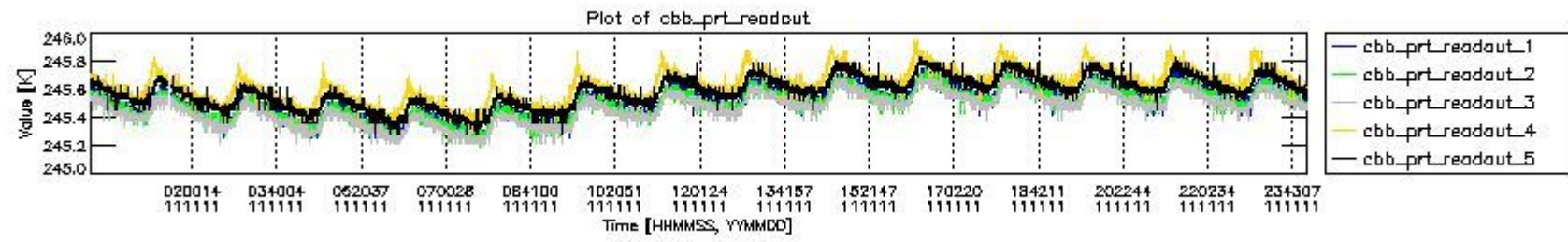
mipas_daily_report_level0_KSPT_L0_4504_N_20111111_6.PNG



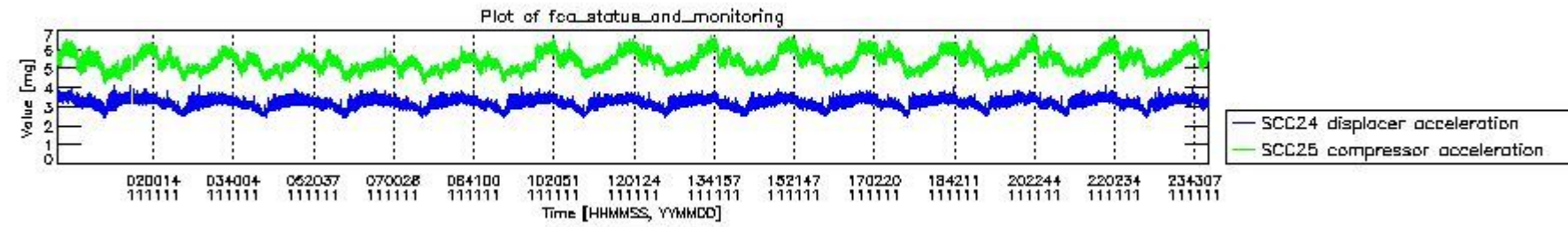
mipas_daily_report_level0_KSPT_L0_4504_N_20111111_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111111_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111111_9.PNG

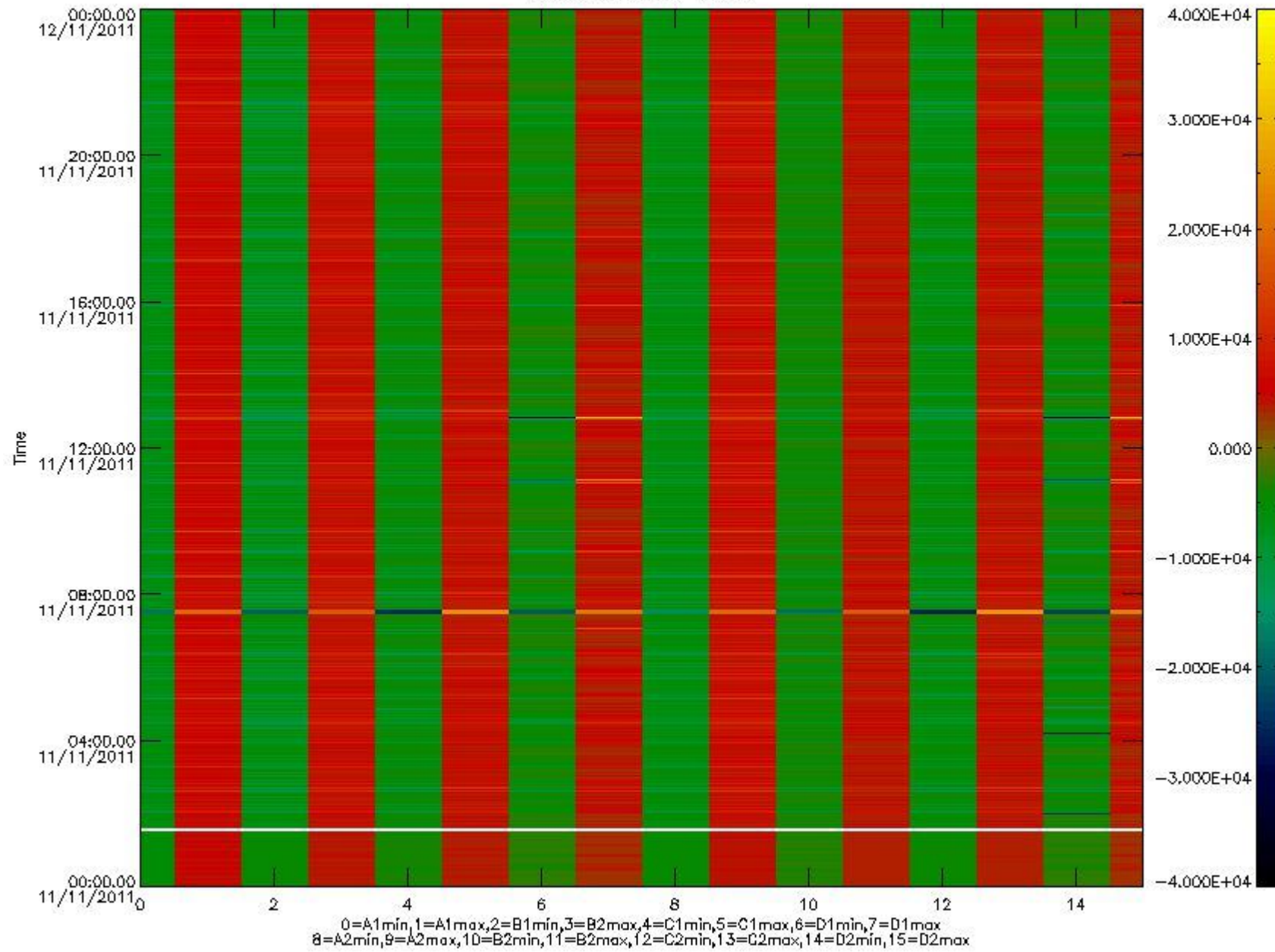


mipas_daily_report_level0_KSPT_L0_4504_N_20111111_10.PNG

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

Channel	Min	Max	ADC
A1	-18458	19578	16bit
B1	-20770	17822	16bit
C1	-25584	25508	16bit
D1	-32768	32767	16bit
A2	-15976	19753	16bit
B2	-18766	18407	16bit
C2	-26601	26240	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_20111111_11.PNG

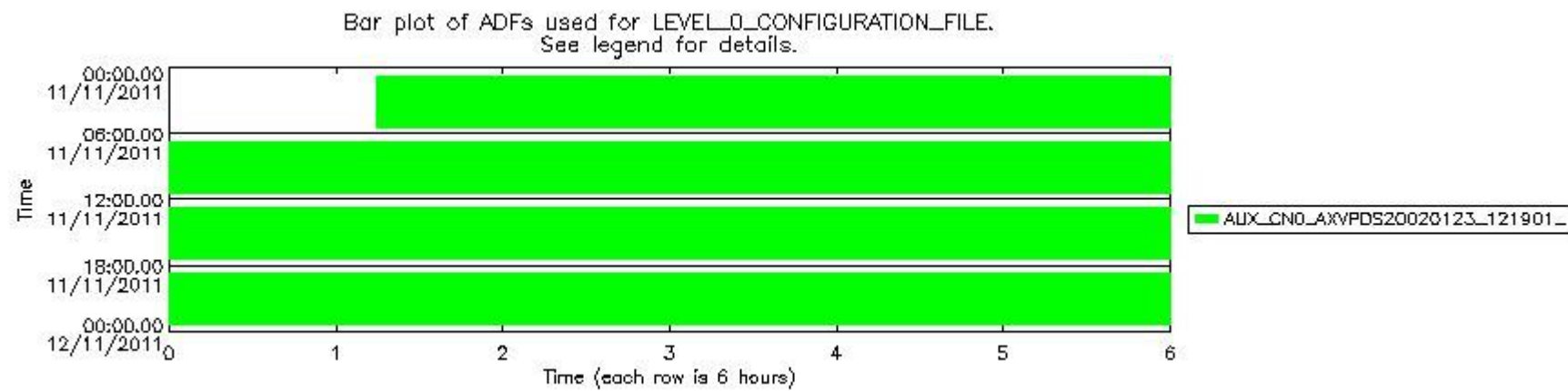
0.3 ADF monitoring

The use of ADFs is shown in two ways:

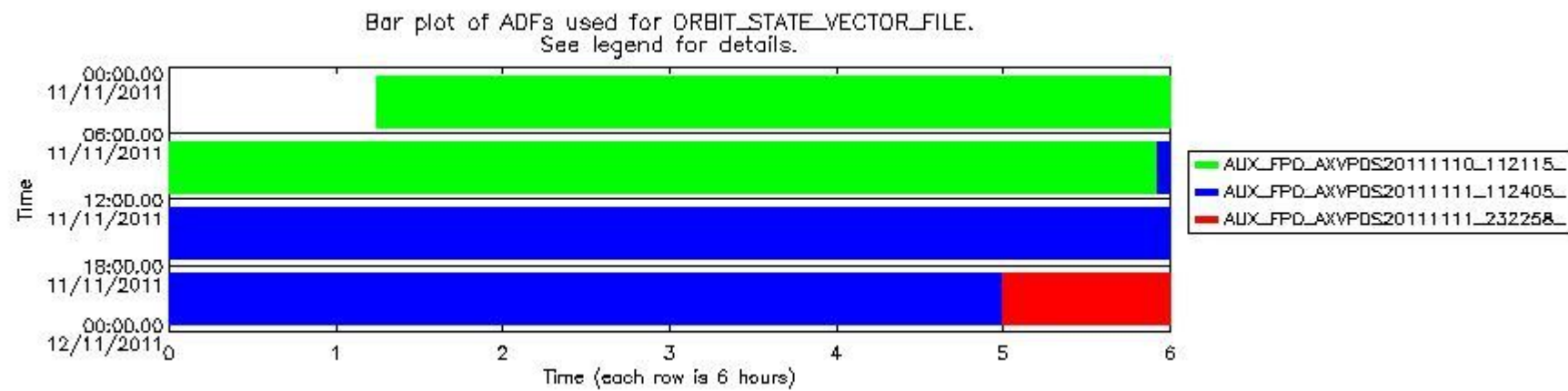
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111110_112115_20111110_084539_20111120_105920
2	AUX_FPO_AXVPDS20111111_112405_20111110_184702_20111120_210044
3	AUX_FPO_AXVPDS20111111_232258_20111111_195031_20111121_202359

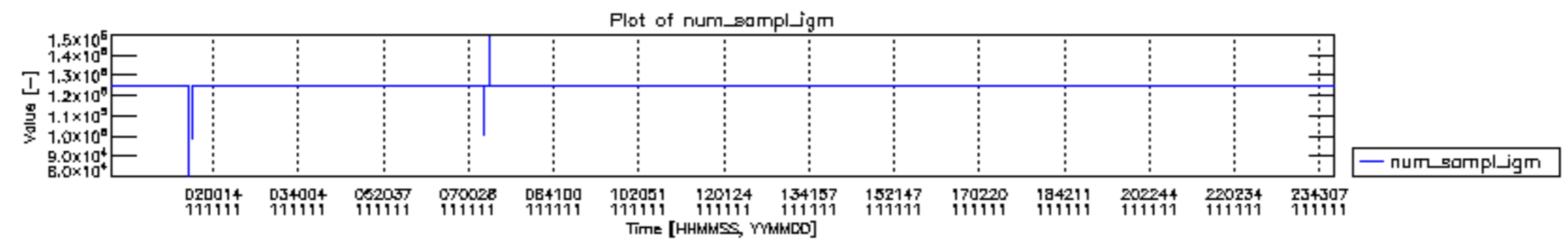
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20111111_011432_000103403108_00275_50720_4808.N1	0	1
1	MIP_NL__0PNPDE20111111_013546_000013603108_00276_50721_9988.N1	0	1
2	MIP_NL__0PNPDE20111111_015828_000077043108_00276_50721_4809.N1	0	1
3	MIP_NL__0PNPDE20111111_040621_000062093108_00277_50722_4810.N1	0	1
4	MIP_NL__0PNPDE20111111_054916_000061443108_00278_50723_4811.N1	0	1
5	MIP_NL__0PNPDK20111111_073107_000039063108_00279_50724_7493.N1	0	1
6	MIP_NL__0PNPDK20111111_083514_000061023108_00280_50725_7494.N1	0	1
7	MIP_NL__0PNPDK20111111_101518_000061003108_00281_50726_7495.N1	0	1
8	MIP_NL__0PNPDK20111111_115518_000060603108_00282_50727_7496.N1	0	2
9	MIP_NL__0PNPDK20111111_133438_000059603108_00283_50728_7497.N1	0	2
10	MIP_NL__0PNPDK20111111_151220_000059143108_00284_50729_7498.N1	0	2
11	MIP_NL__0PNPDK20111111_164941_000059043108_00285_50730_7499.N1	0	2
12	MIP_NL__0PNPDK20111111_182704_000060603108_00286_50731_7500.N1	0	2
13	MIP_NL__0PNPDE20111111_200607_000040803108_00287_50732_4812.N1	0	2
14	MIP_NL__0PNPDE20111111_211233_000065013108_00287_50732_4813.N1	0	2
15	MIP_NL__0PNPDE20111111_225947_000060483108_00288_50733_4814.N1	0	3

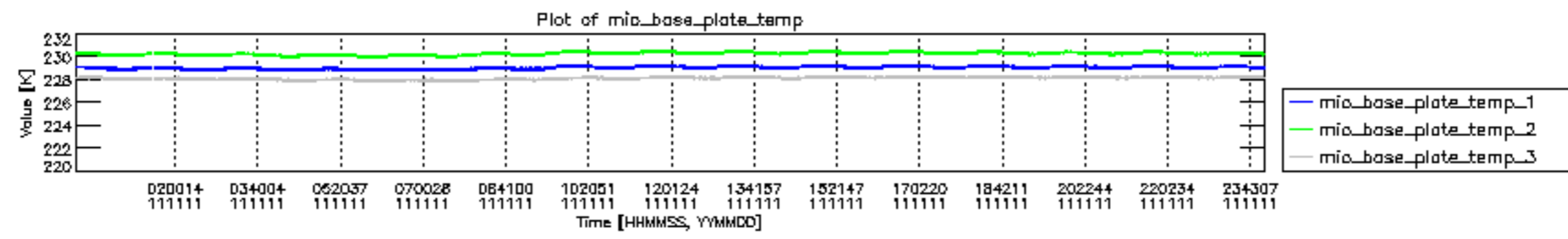


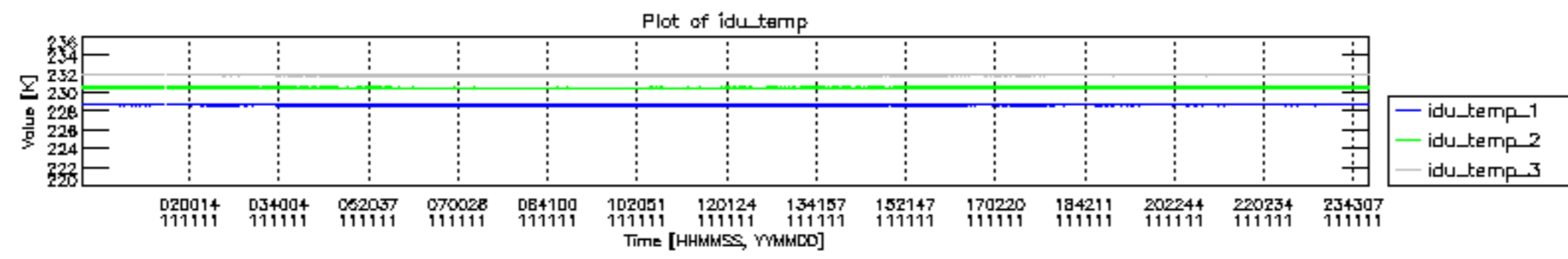
mipas_daily_report_level0_KSPT_L0_4504_N_20111111_12.PNG

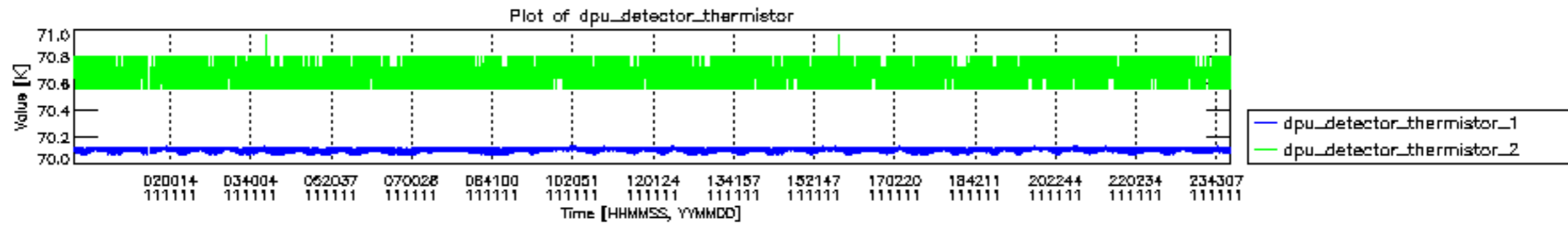


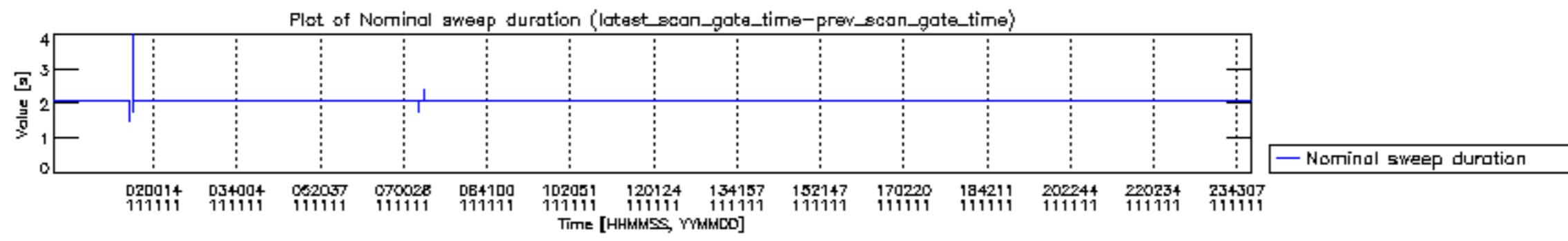
mipas_daily_report_level0_KSPT_L0_4504_N_20111111_13.PNG

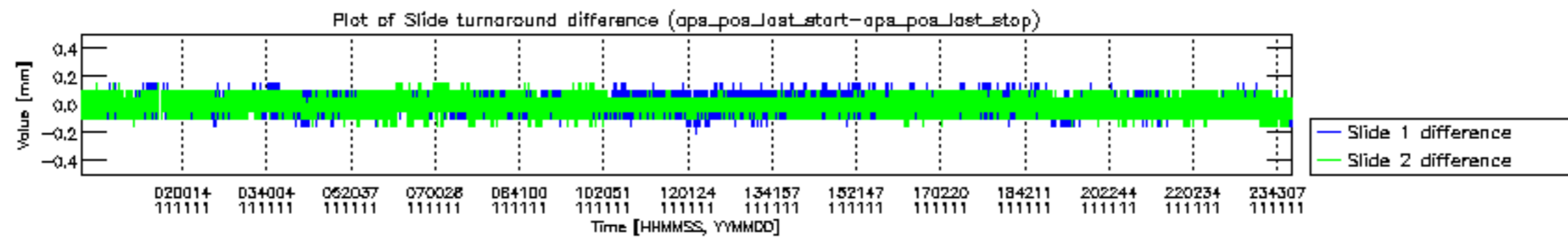


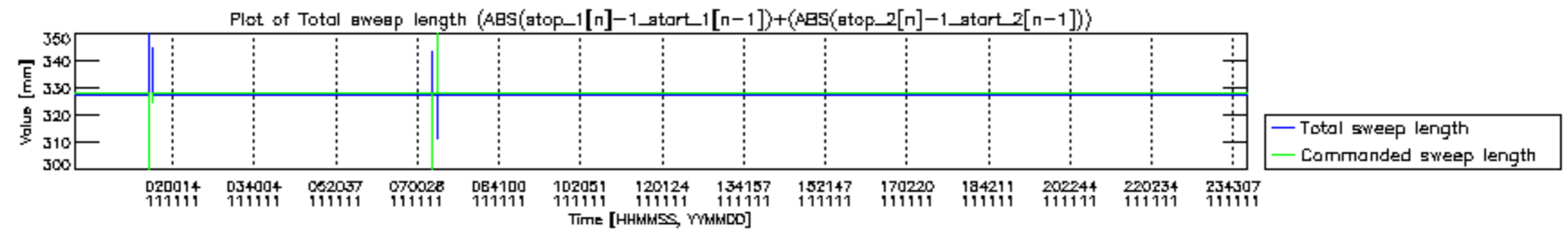


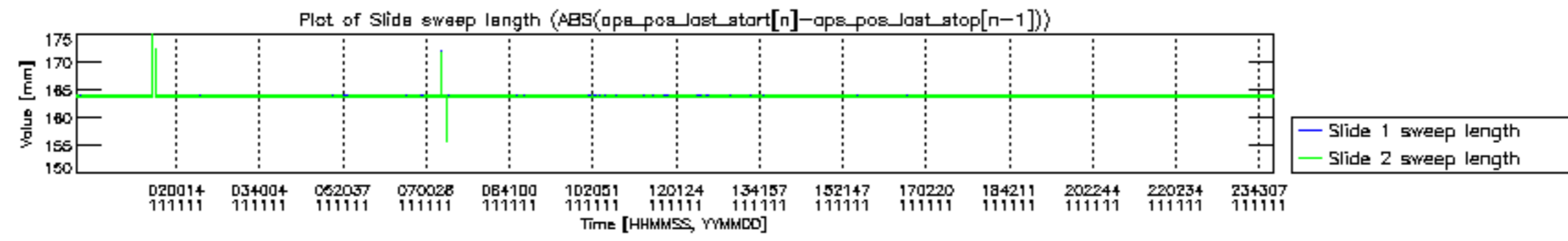


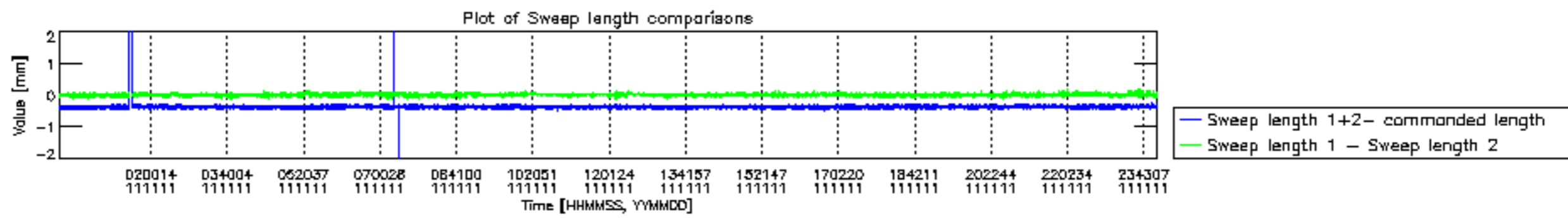


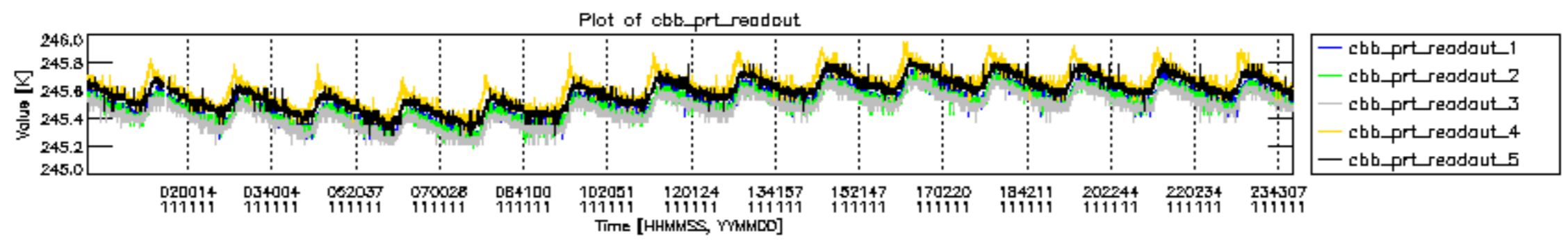


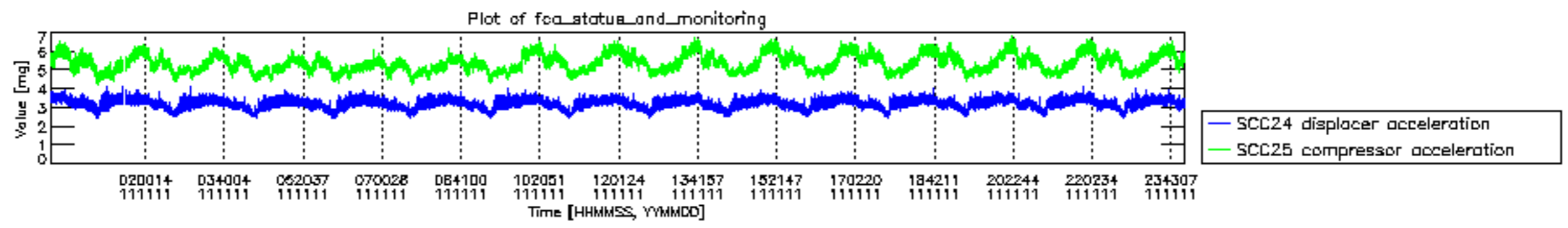




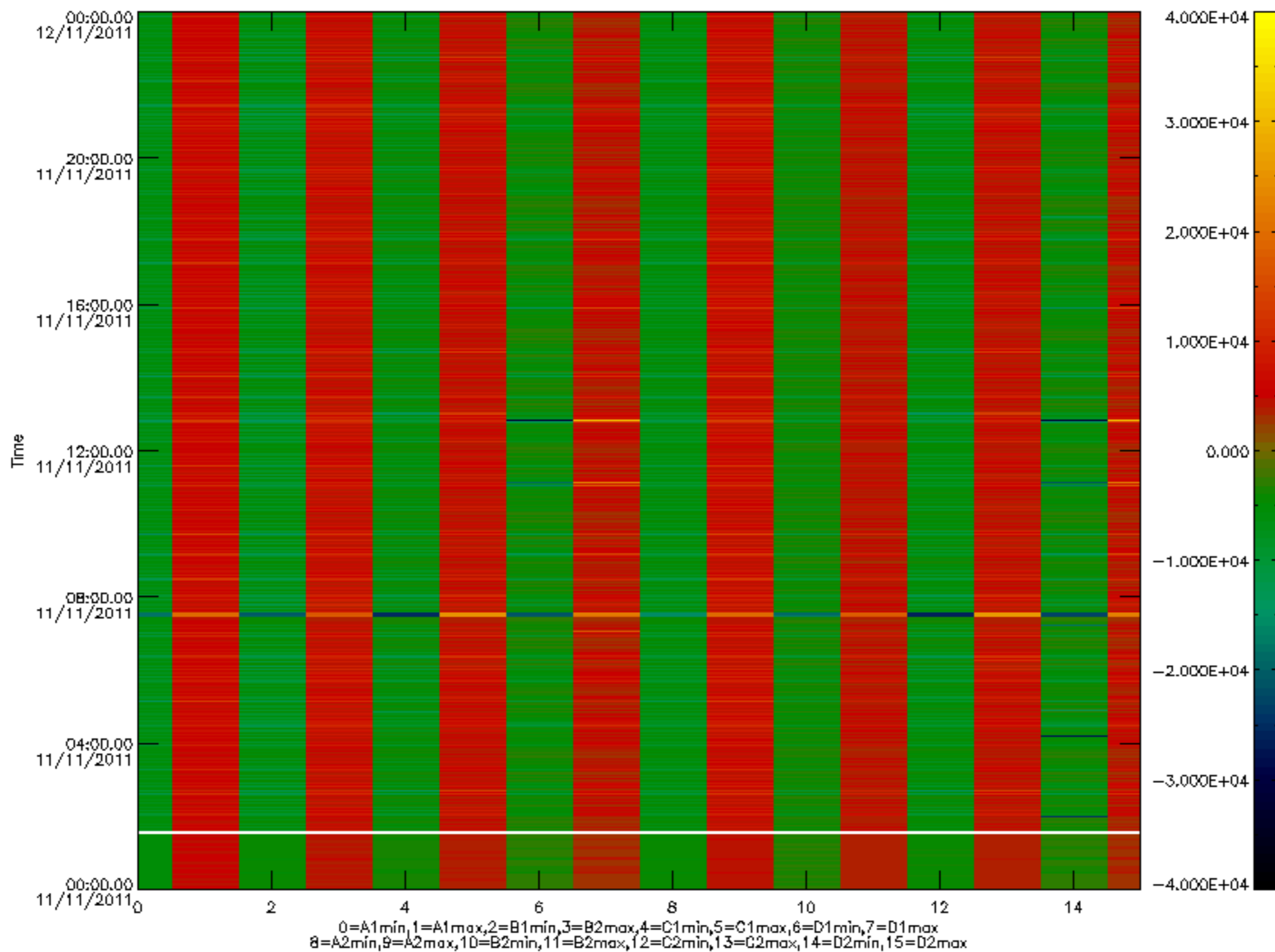


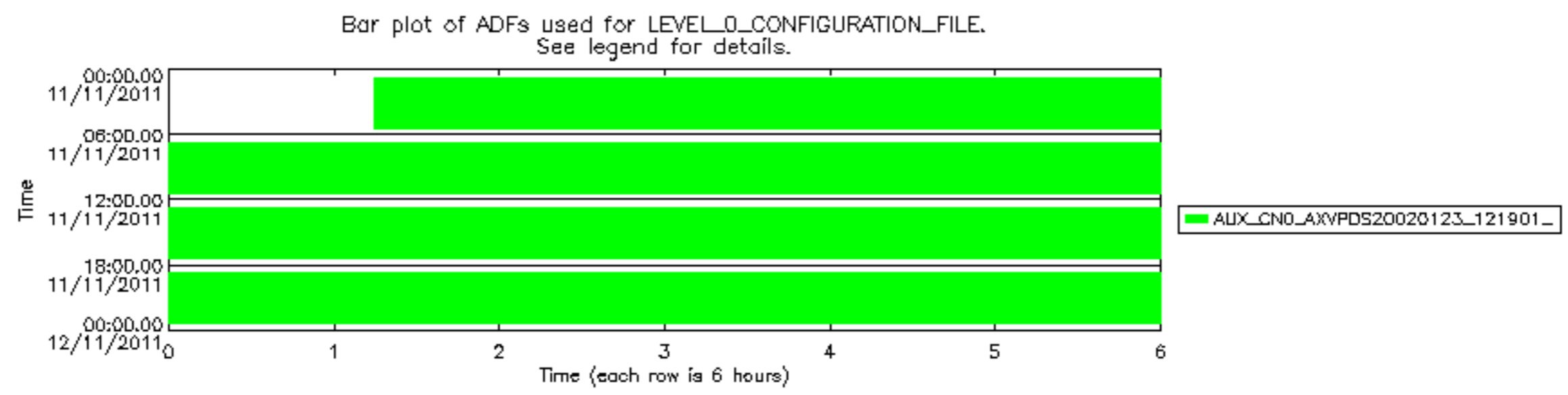






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

