

0. MIPAS Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Instrument Operational Performance Parameters](#)

[0.3 ADF monitoring](#)

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	04JAN2012 05:24:44
Data source version	KSPT_L0/4504-N
Processing scope for products	30DEC2011 00:00:00 to 31DEC2011 00:00:00
Start time of first product within scope	30DEC2011 01:19:15
Stop time of last product within scope	31DEC2011 00:44:42
Total number of level 0 products	14
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__0PNPDE20111230_011915_000102733110_00117_51424_5239.N1	30DEC2011 01:19:15	30DEC2011 04:10:28	0	0	0	0	0
1	MIP_NL__0PNPDE20111230_040954_000062023110_00119_51426_5240.N1	30DEC2011 04:09:54	30DEC2011 05:53:16	0	0	0	0	0
2	MIP_NL__0PNPDE20111230_055241_000061733110_00120_51427_5241.N1	30DEC2011 05:52:41	30DEC2011 07:35:34	0	0	0	0	0
3	MIP_NL__0PNPDK20111230_073500_000038963110_00121_51428_7936.N1	30DEC2011 07:35:00	30DEC2011 08:39:56	0	0	0	0	0
4	MIP_NL__0PNPDK20111230_083854_000060913110_00122_51429_7937.N1	30DEC2011 08:38:54	30DEC2011 10:20:25	0	0	0	0	0
5	MIP_NL__0PNPDK20111230_101845_000059683110_00123_51430_7938.N1	30DEC2011 10:18:45	30DEC2011 11:58:13	0	0	0	0	0
6	MIP_NL__0PNPDK20111230_115645_000060233110_00124_51431_7939.N1	30DEC2011 11:56:45	30DEC2011 13:37:08	0	0	0	0	0
7	MIP_NL__0PNPDK20111230_133622_000060483110_00125_51432_7940.N1	30DEC2011 13:36:22	30DEC2011 15:17:09	0	0	0	0	0
8	MIP_NL__0PNPDK20111230_151624_000058973110_00126_51433_7941.N1	30DEC2011 15:16:24	30DEC2011 16:54:41	0	0	0	0	0
9	MIP_NL__0PNPDK20111230_165311_000057873110_00127_51434_7942.N1	30DEC2011 16:53:11	30DEC2011 18:29:37	0	0	0	0	0
10	MIP_NL__0PNPDK20111230_182829_000061583110_00128_51435_7943.N1	30DEC2011 18:28:29	30DEC2011 20:11:07	0	0	0	0	0
11	MIP_NL__0PNPDE20111230_200857_000044353110_00129_51436_5242.N1	30DEC2011 20:08:57	30DEC2011 21:22:52	0	0	0	0	0
12	MIP_NL__0PNPDE20111230_212152_000061753110_00129_51436_5243.N1	30DEC2011 21:21:52	30DEC2011 23:04:47	0	0	0	0	0
13	MIP_NL__0PNPDE20111230_230338_000060643110_00130_51437_5244.N1	30DEC2011 23:03:38	31DEC2011 00:44:42	0	0	0	0	0

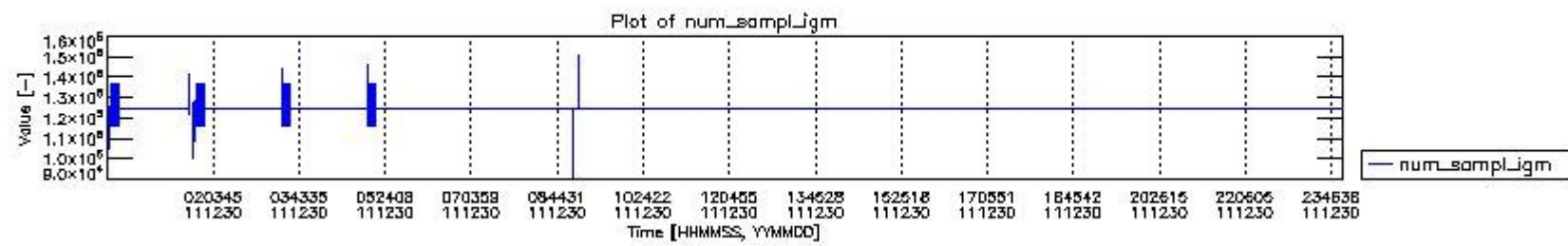
0.2 Instrument Operational Performance Parameters

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.

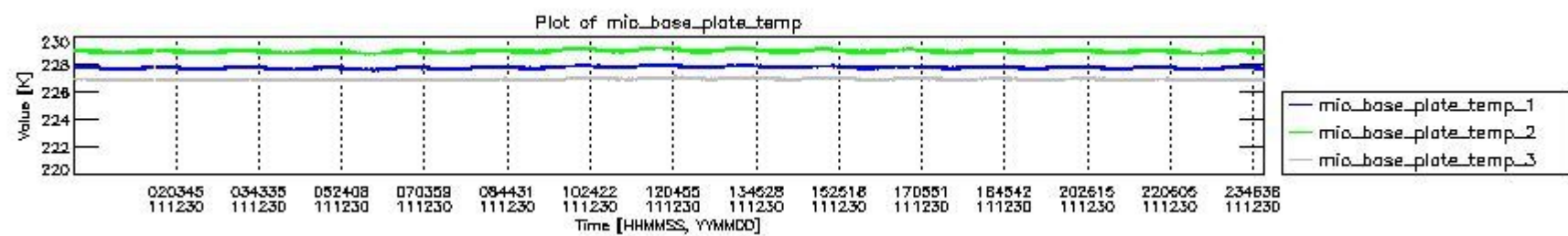
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
90474	1	0.0024044241
97571	1	0.0024044241
100706	1	0.0024044241
105005	1	0.0024044241

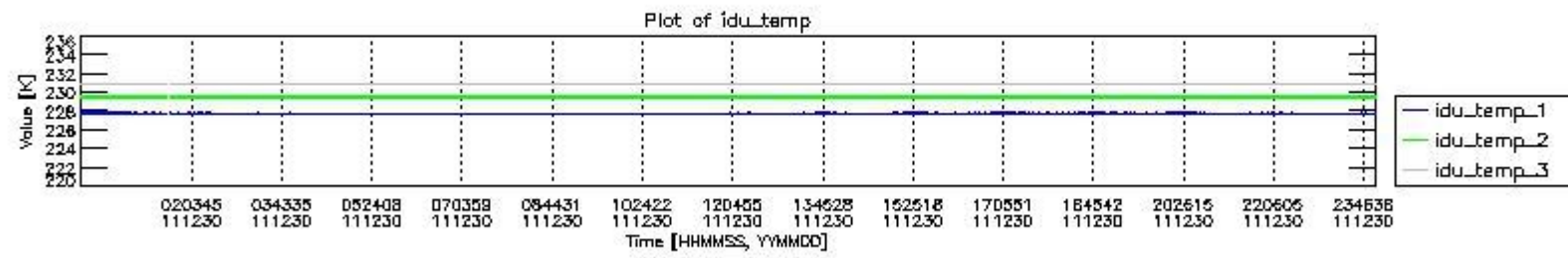
105342	1	0.0024044241
108574	1	0.0024044241
112480	1	0.0024044241
116008	3	0.0072132724
116082	43	0.10339024
116156	19	0.045684059
116231	5	0.012022121
116305	1	0.0024044241
116379	1	0.0024044241
117703	1	0.0024044241
121435	1	0.0024044241
123739	1	0.0024044241
124800	39009	93.794181
124803	2342	5.6311613
125137	1	0.0024044241
125375	1	0.0024044241
125958	1	0.0024044241
127116	1	0.0024044241
127348	3	0.0072132724
127496	42	0.10098581
127605	1	0.0024044241
127644	19	0.045684059
127794	5	0.012022121
127942	1	0.0024044241
128090	1	0.0024044241
128706	1	0.0024044241
136140	3	0.0072132724
136214	43	0.10339024
136288	19	0.045684059
136363	5	0.012022121
136437	1	0.0024044241
136511	1	0.0024044241
138202	1	0.0024044241
141567	1	0.0024044241
142810	1	0.0024044241
143871	1	0.0024044241
145507	1	0.0024044241
146082	1	0.0024044241
147737	1	0.0024044241
150542	1	0.0024044241



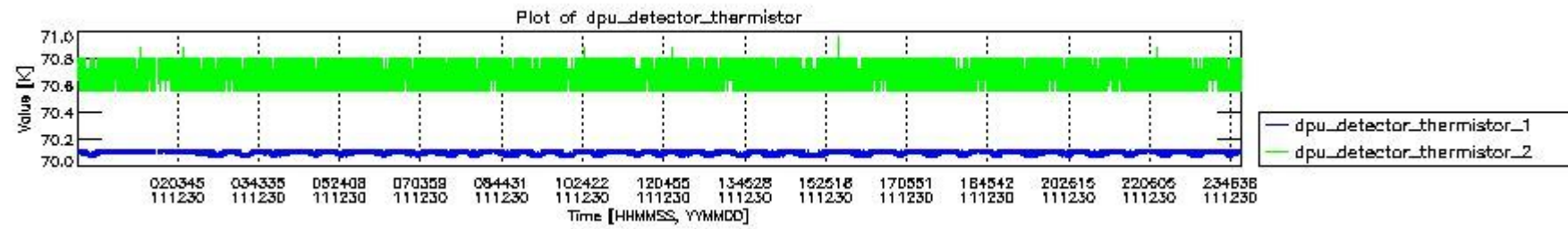
mipas_daily_report_level0_KSPT_L0_4504_N_20111230_0.PNG



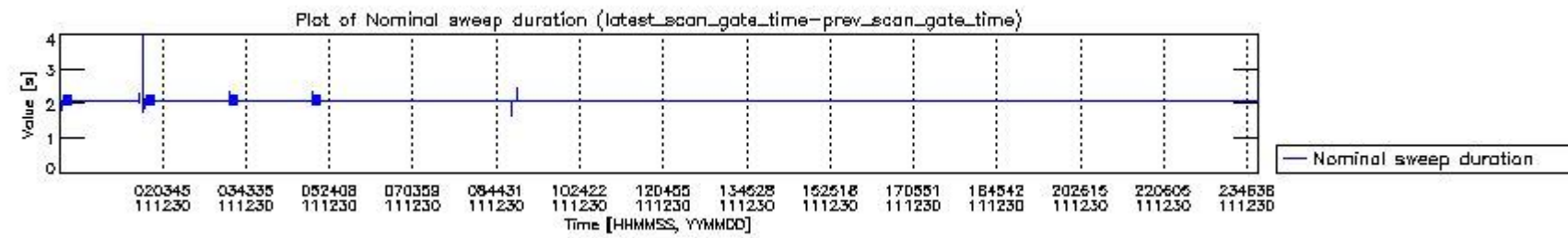
mipas_daily_report_level0_KSPT_L0_4504_N_20111230_1.PNG



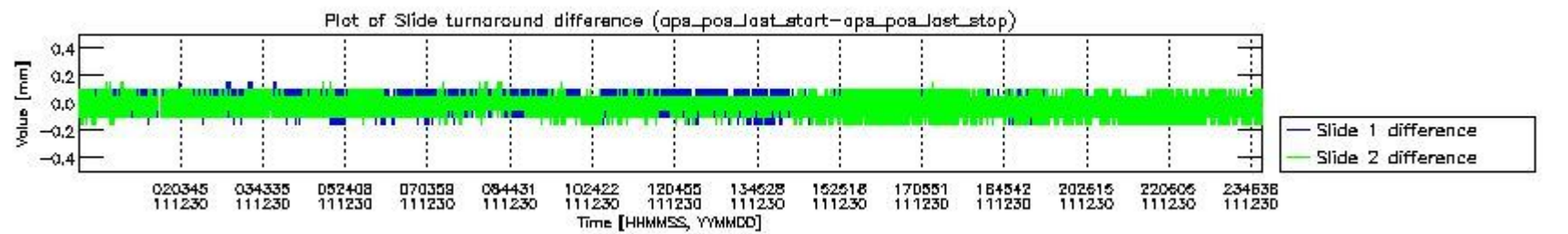
mipas_daily_report_level0_KSPT_L0_4504_N_20111230_2.PNG



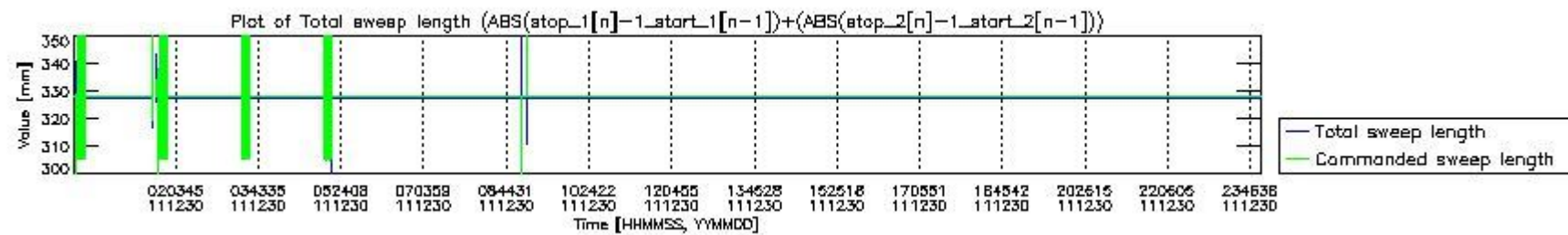
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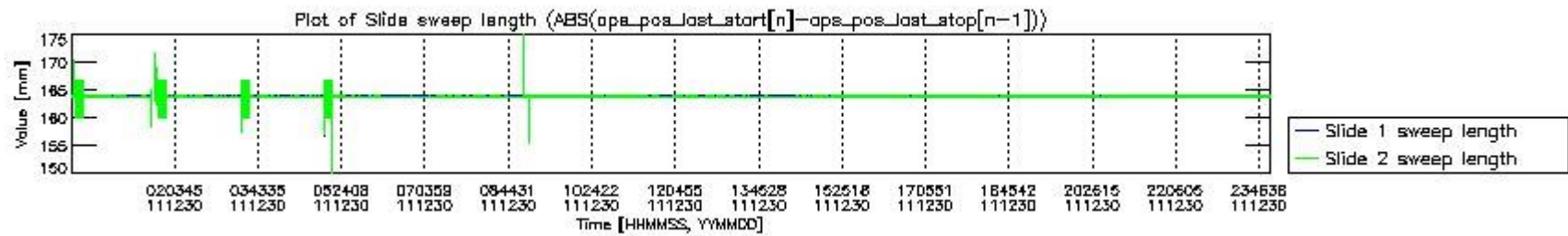
mipas_daily_report_level0_KSPT_L0_4504_N_20111230_4.PNG



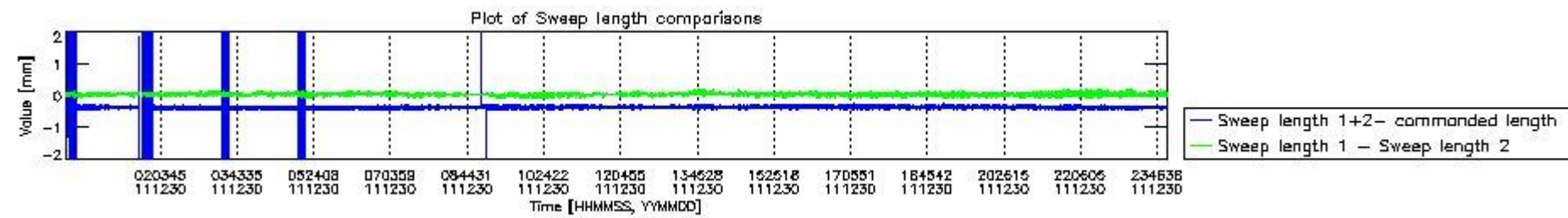
mipas_daily_report_level0_KSPT_L0_4504_N_20111230_5.PNG



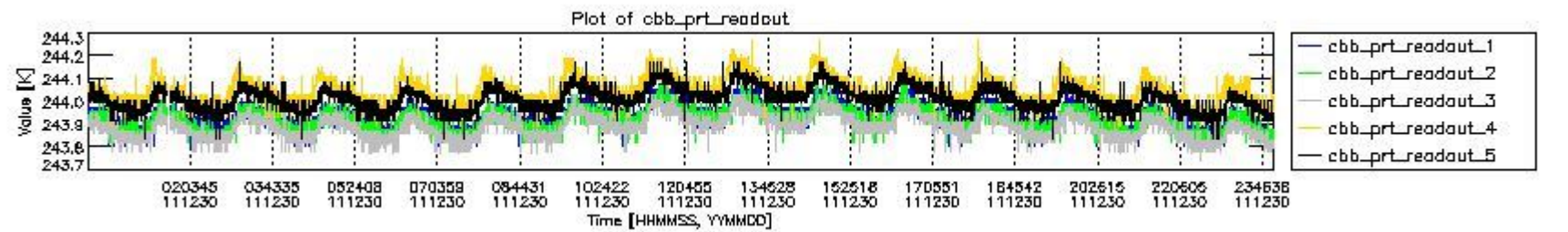
mipas_daily_report_level0_KSPT_L0_4504_N_20111230_6.PNG



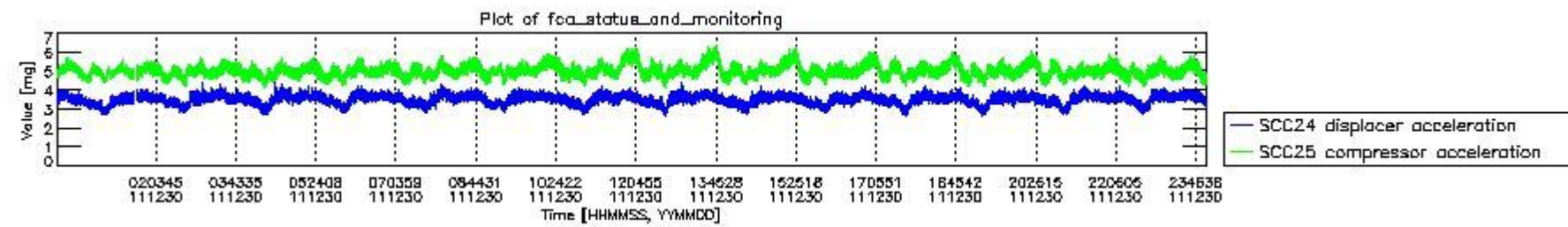
mipas_daily_report_level0_KSPT_L0_4504_N_20111230_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111230_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111230_9.PNG

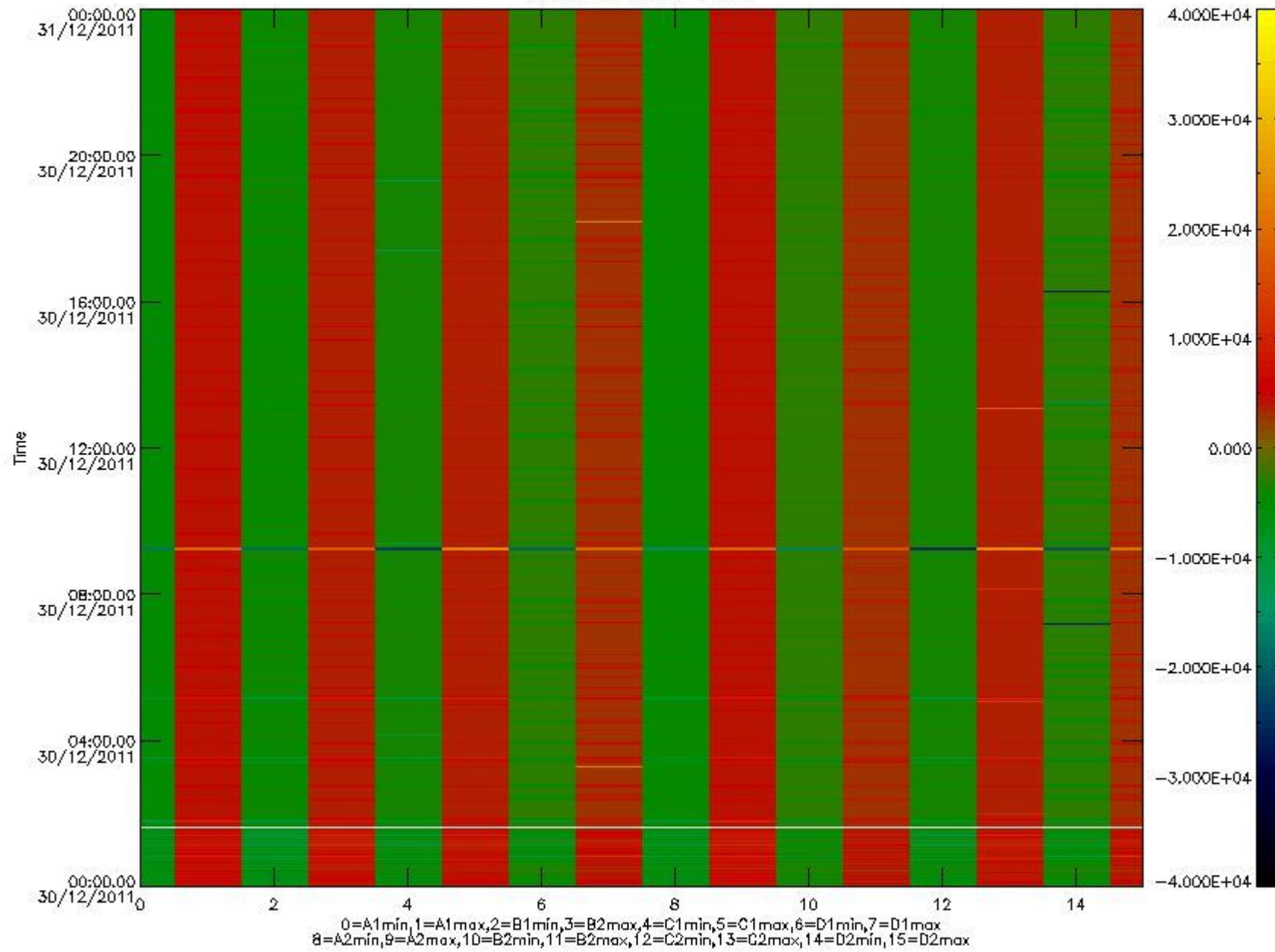


mipas_daily_report_level0_KSPT_L0_4504_N_20111230_10.PNG

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

Channel	Min	Max	ADC
A1	-17923	18945	16bit
B1	-20083	17314	16bit
C1	-29892	24008	16bit
D1	-20093	32767	16bit
A2	-15585	19163	16bit
B2	-17912	17598	16bit
C2	-25163	24725	16bit
D2	-32768	21895	16bit

MIPNLOP_MIPSOUPAC_aux_fields_1gm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20111230_11.PNG

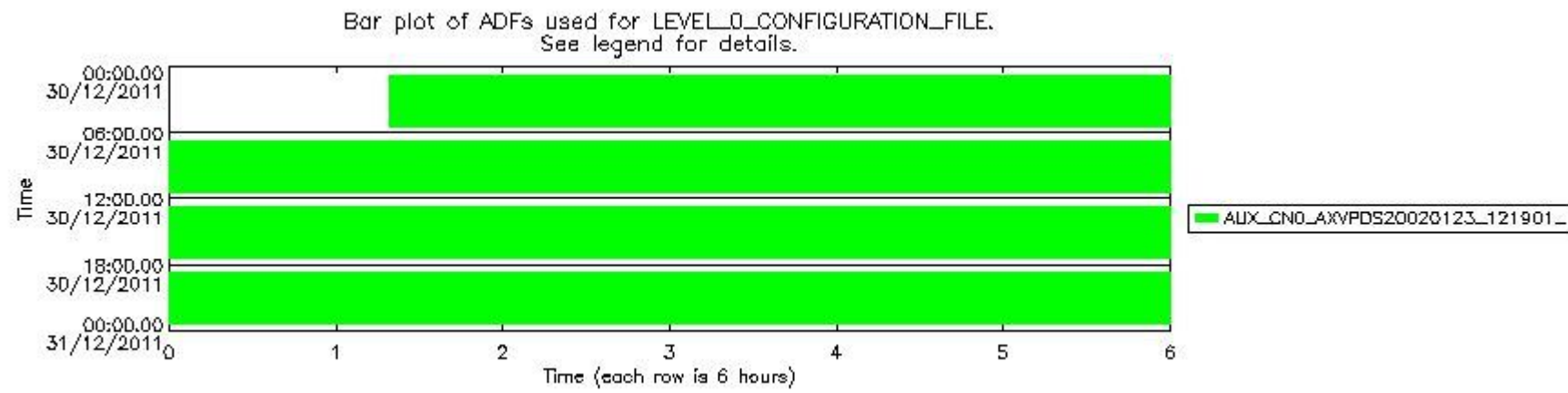
0.3 ADF monitoring

The use of ADFs is shown in two ways:

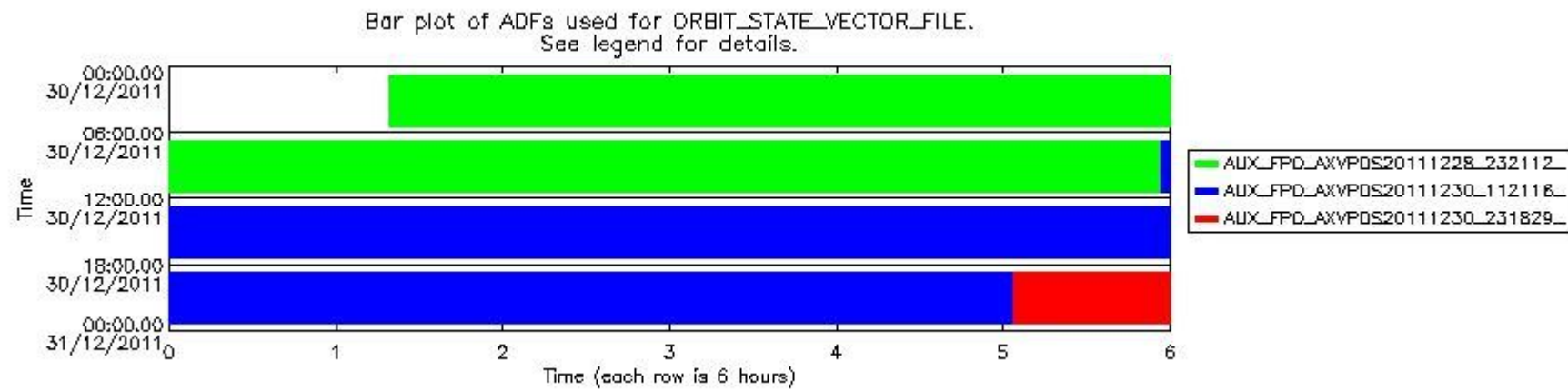
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111228_232112_20111228_192723_20120107_200051
2	AUX_FPO_AXVPDS20111230_112116_20111229_185039_20120108_210419
3	AUX_FPO_AXVPDS20111230_231829_20111230_195408_20120109_202734

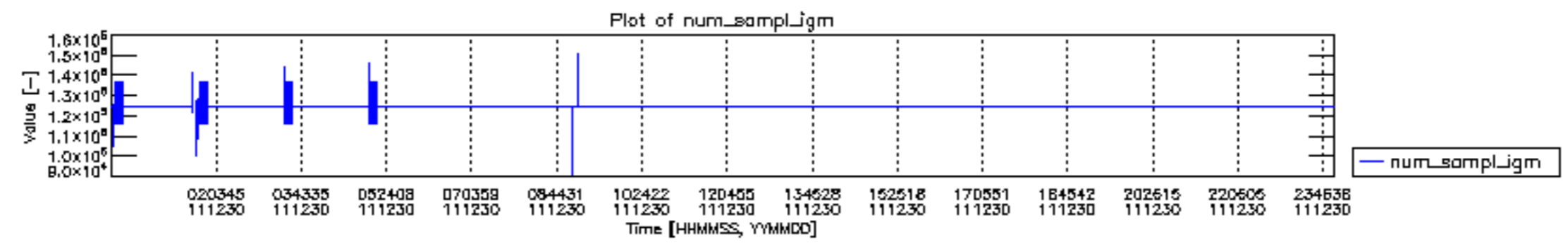
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20111230_011915_000102733110_00117_51424_5239.N1	0	1
1	MIP_NL__0PNPDE20111230_040954_000062023110_00119_51426_5240.N1	0	1
2	MIP_NL__0PNPDE20111230_055241_000061733110_00120_51427_5241.N1	0	1
3	MIP_NL__0PNPDK20111230_073500_000038963110_00121_51428_7936.N1	0	1
4	MIP_NL__0PNPDK20111230_083854_000060913110_00122_51429_7937.N1	0	1
5	MIP_NL__0PNPDK20111230_101845_000059683110_00123_51430_7938.N1	0	1
6	MIP_NL__0PNPDK20111230_115645_000060233110_00124_51431_7939.N1	0	2
7	MIP_NL__0PNPDK20111230_133622_000060483110_00125_51432_7940.N1	0	2
8	MIP_NL__0PNPDK20111230_151624_000058973110_00126_51433_7941.N1	0	2
9	MIP_NL__0PNPDK20111230_165311_000057873110_00127_51434_7942.N1	0	2
10	MIP_NL__0PNPDK20111230_182829_000061583110_00128_51435_7943.N1	0	2
11	MIP_NL__0PNPDE20111230_200857_000044353110_00129_51436_5242.N1	0	2
12	MIP_NL__0PNPDE20111230_212152_000061753110_00129_51436_5243.N1	0	2
13	MIP_NL__0PNPDE20111230_230338_000060643110_00130_51437_5244.N1	0	3

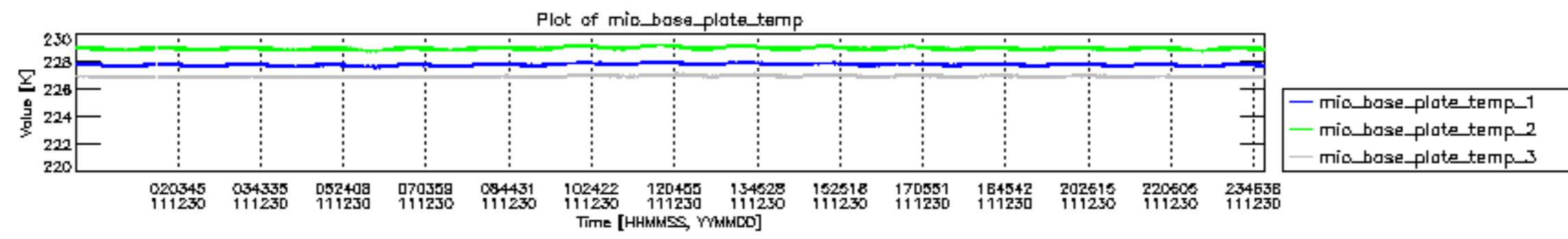


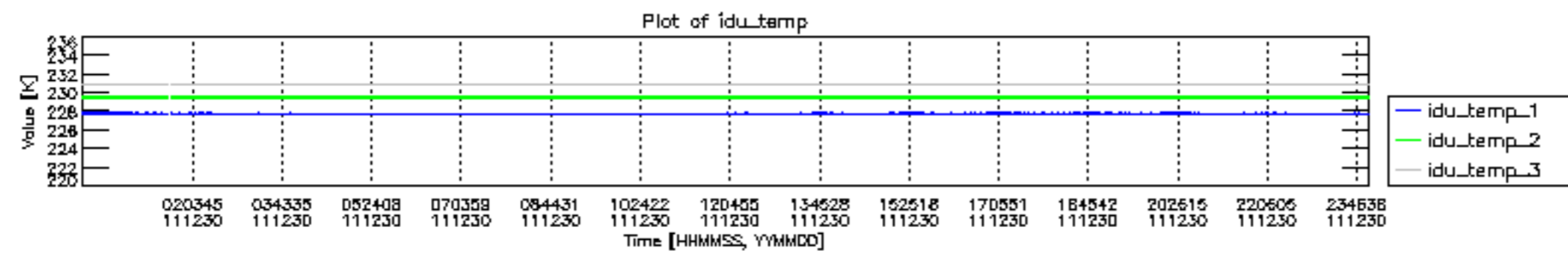
mipas_daily_report_level0_KSPT_L0_4504_N_20111230_12.PNG

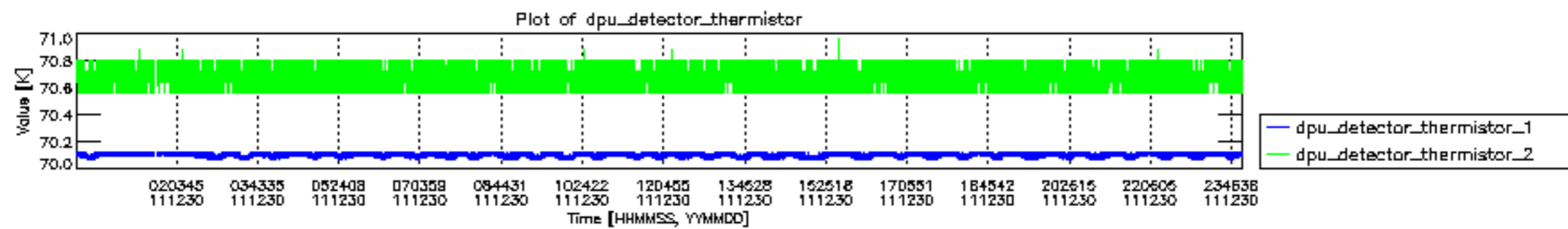


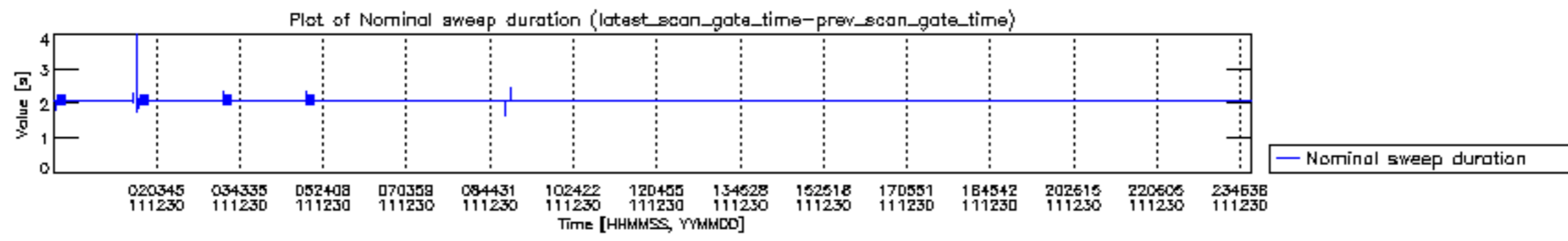
mipas_daily_report_level0_KSPT_L0_4504_N_20111230_13.PNG

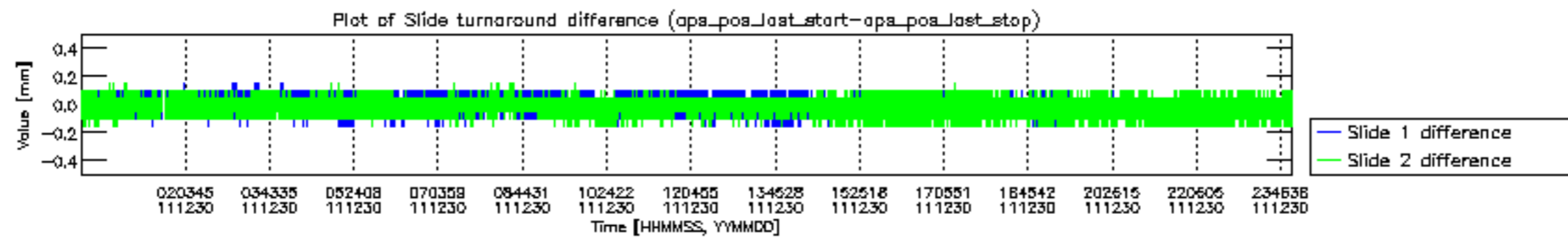


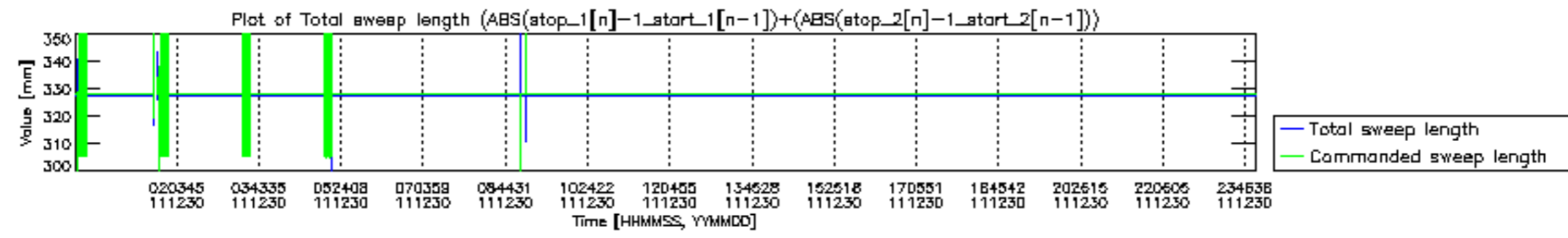


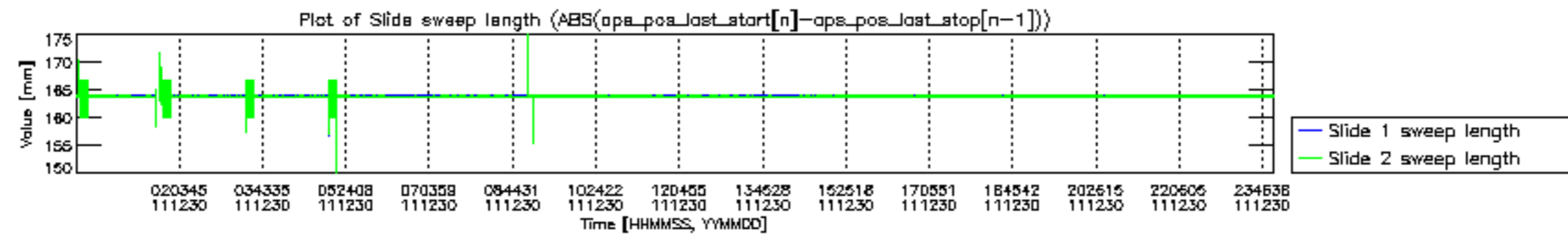


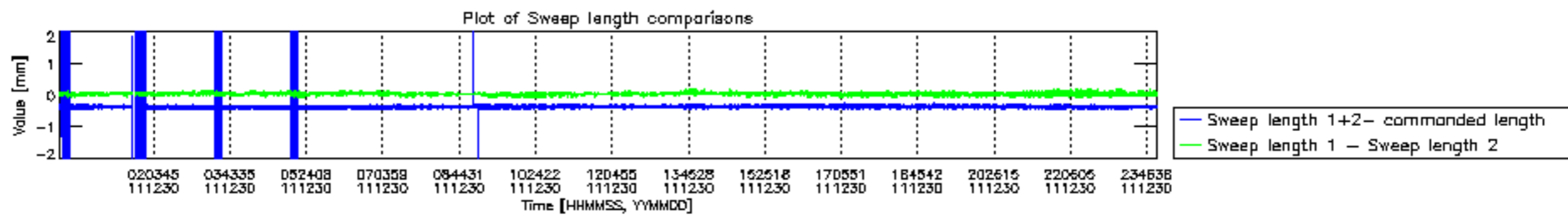


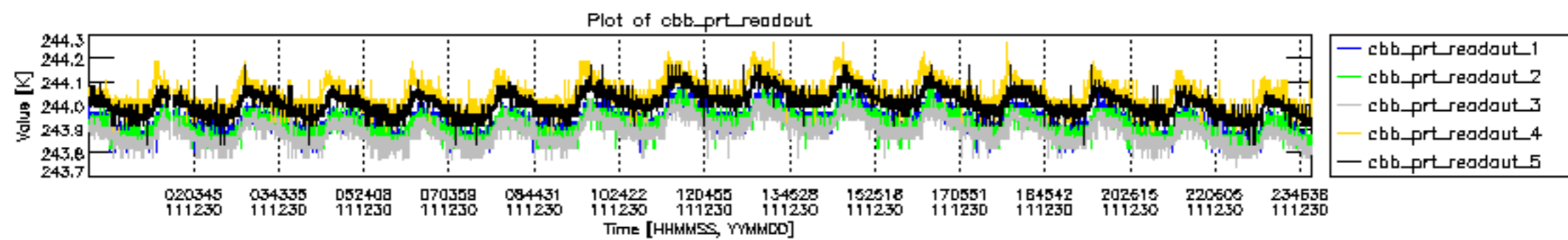


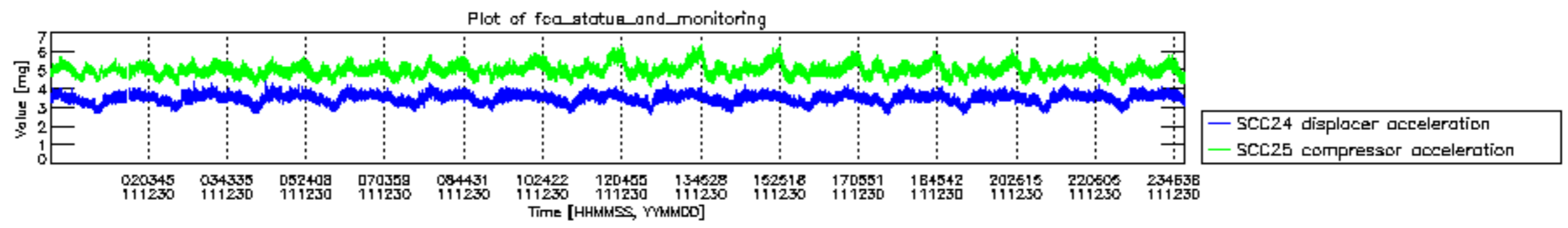




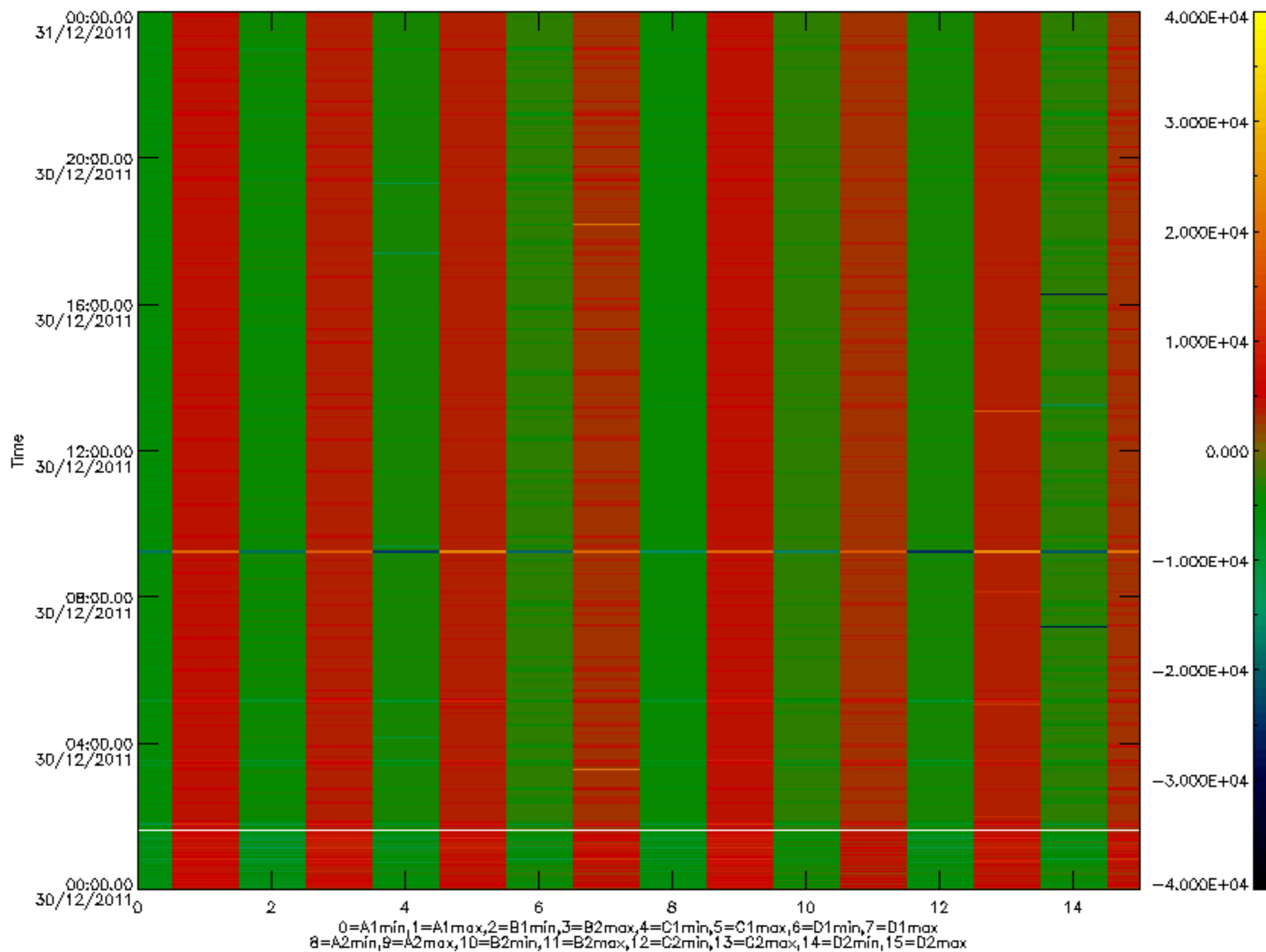


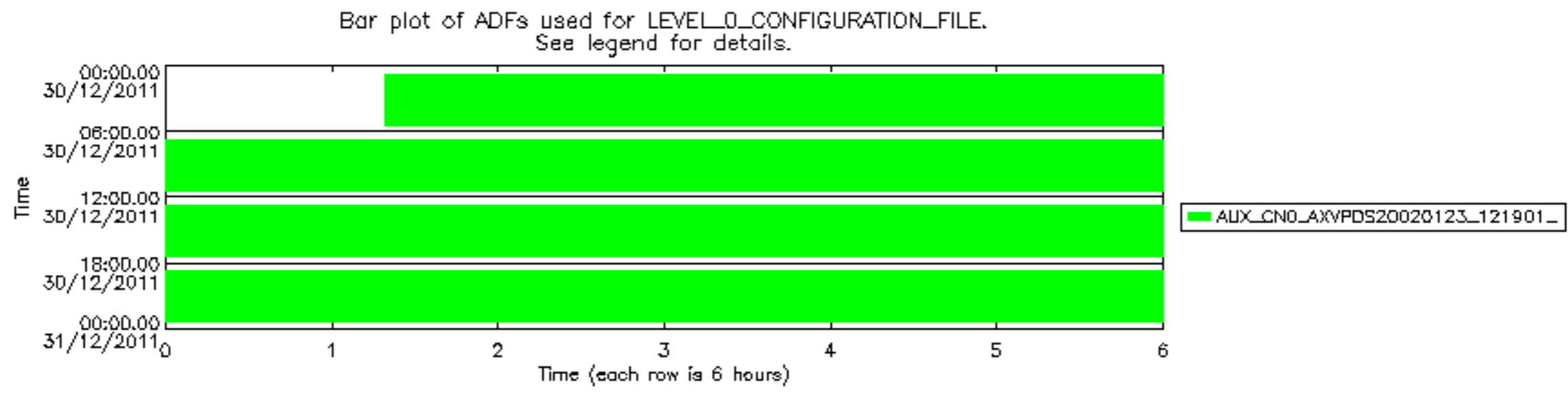






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

