

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	17JUL2011 05:23:19
Data source version	KSPT_L0/4504-N
Processing scope for products	12JUL2011 00:00:00 to 13JUL2011 00:00:00
Start time of first product within scope	12JUL2011 00:48:28
Stop time of last product within scope	13JUL2011 00:13:22
Total number of level 0 products	16
Number of level 0 products with errors	1

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__0PNPDE20110712_004828_000057663104_00246_48967_9216.N1	12JUL2011 00:48:28	12JUL2011 02:24:34	0	0	0	0	0
1	MIP_NL__0PNPDE20110712_022306_000046613104_00247_48968_9217.N1	12JUL2011 02:23:06	12JUL2011 03:40:47	0	0	0	0	0
2	MIP_NL__0PNPDE20110712_034011_000060903104_00248_48969_9218.N1	12JUL2011 03:40:11	12JUL2011 05:21:41	0	0	0	0	0
3	MIP_NL__0PNPDE20110712_052109_000060773104_00249_48970_9219.N1	12JUL2011 05:21:09	12JUL2011 07:02:26	0	0	0	0	0
4	MIP_NL__0PNPDK20110712_070153_000040383104_00250_48971_5746.N1	12JUL2011 07:01:53	12JUL2011 08:09:11	0	0	0	0	0
5	MIP_NL__0PNPDK20110712_080838_000061423104_00251_48972_5747.N1	12JUL2011 08:08:38	12JUL2011 09:50:59	0	0	0	0	0
6	MIP_NL__0PNPDK20110712_095016_000059813104_00252_48973_5748.N1	12JUL2011 09:50:16	12JUL2011 11:29:57	0	0	0	0	0
7	MIP_NL__0PNPDK20110712_112921_000059623104_00253_48974_5749.N1	12JUL2011 11:29:21	12JUL2011 13:08:43	0	0	0	0	0
8	MIP_NL__0PNPDK20110712_130810_000059123104_00254_48975_5756.N1	12JUL2011 13:08:10	12JUL2011 14:46:42	1	1	0	0	0
9	MIP_NL__0PNPDK20110712_132122_000051203104_00254_48975_5751.N1	12JUL2011 13:21:22	12JUL2011 14:46:42	0	0	0	0	0
10	MIP_NL__0PNPDK20110712_144609_000058723104_00255_48976_5752.N1	12JUL2011 14:46:09	12JUL2011 16:24:01	0	0	0	0	0
11	MIP_NL__0PNPDK20110712_162328_000059163104_00256_48977_5753.N1	12JUL2011 16:23:28	12JUL2011 18:02:04	0	0	0	0	0
12	MIP_NL__0PNPDK20110712_180110_000059083104_00257_48978_5754.N1	12JUL2011 18:01:10	12JUL2011 19:39:37	0	0	0	0	0
13	MIP_NL__0PNPDK20110712_193808_000061253104_00258_48979_5755.N1	12JUL2011 19:38:08	12JUL2011 21:20:13	0	0	0	0	0
14	MIP_NL__0PNPDE20110712_211841_000043543104_00259_48980_9220.N1	12JUL2011 21:18:41	12JUL2011 22:31:14	0	0	0	0	0
15	MIP_NL__0PNPDE20110712_223020_000061823104_00259_48980_9221.N1	12JUL2011 22:30:20	13JUL2011 00:13:22	0	0	0	0	0

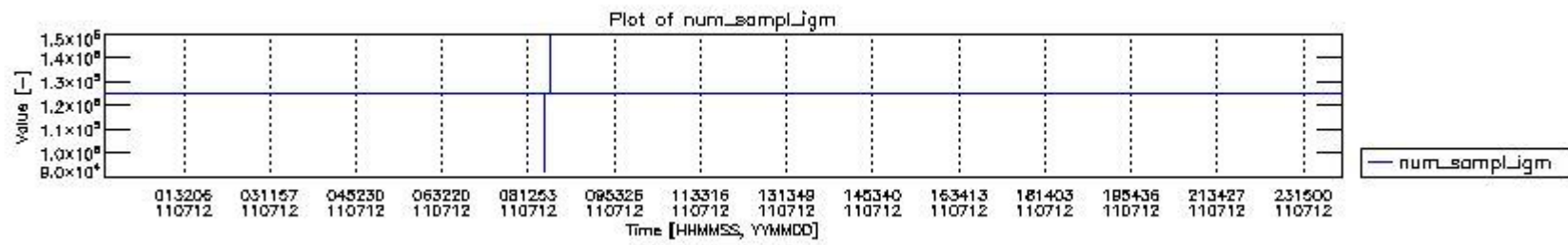
0.2 Instrument Operational Performance Parameters

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.

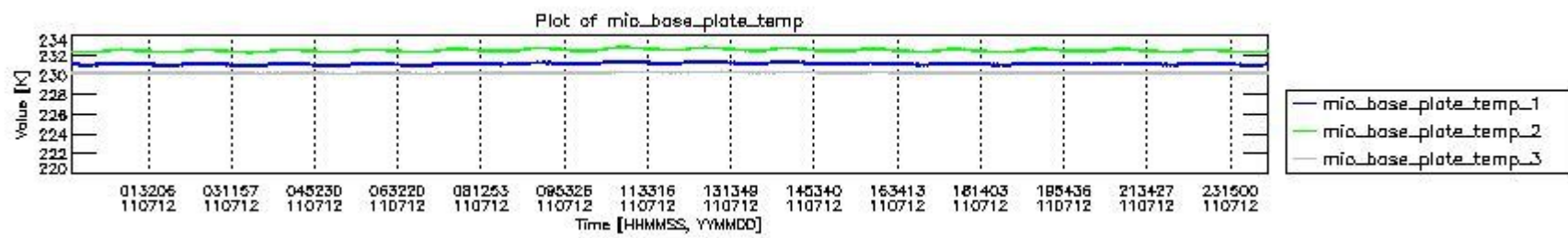
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
92704	1	0.0022716431
98686	1	0.0022716431

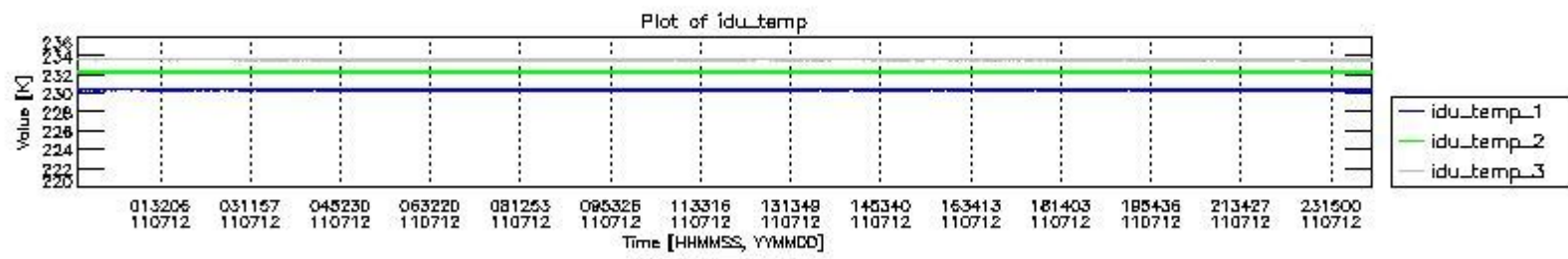
118818	1	0.0022716431
124800	40889	92.885214
124803	3126	7.1011563
126936	1	0.0022716431
147068	1	0.0022716431
149204	1	0.0022716431



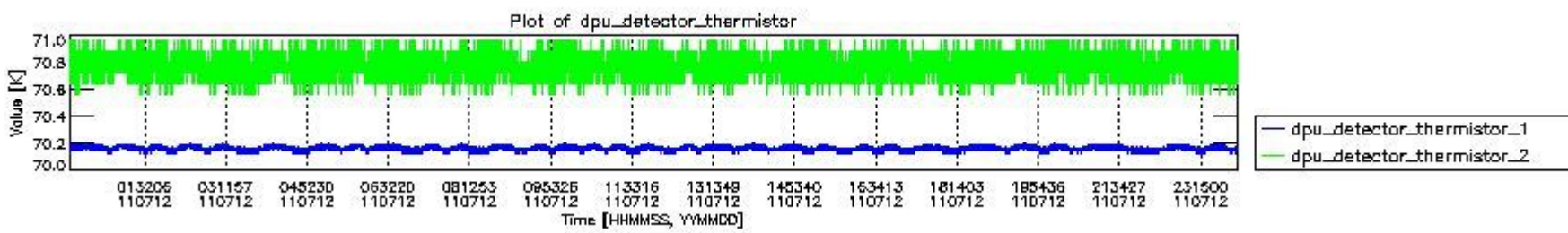
mipas_daily_report_level0_KSPT_L0_4504_N_20110712_0.PNG



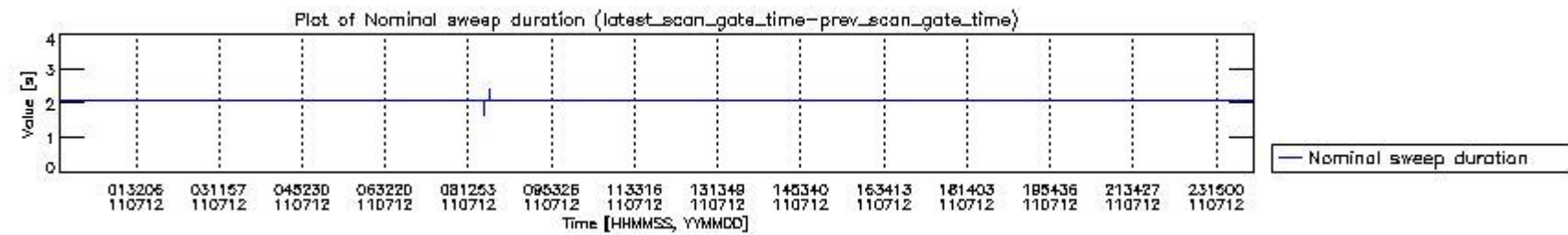
mipas_daily_report_level0_KSPT_L0_4504_N_20110712_1.PNG



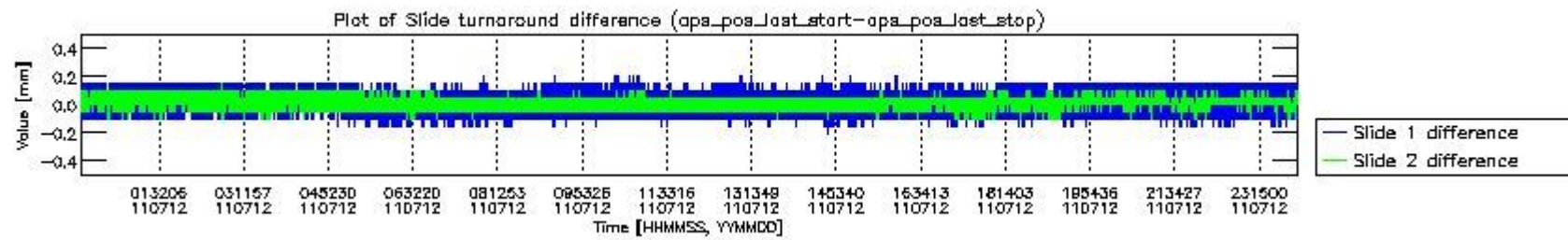
mipas_daily_report_level0_KSPT_L0_4504_N_20110712_2.PNG



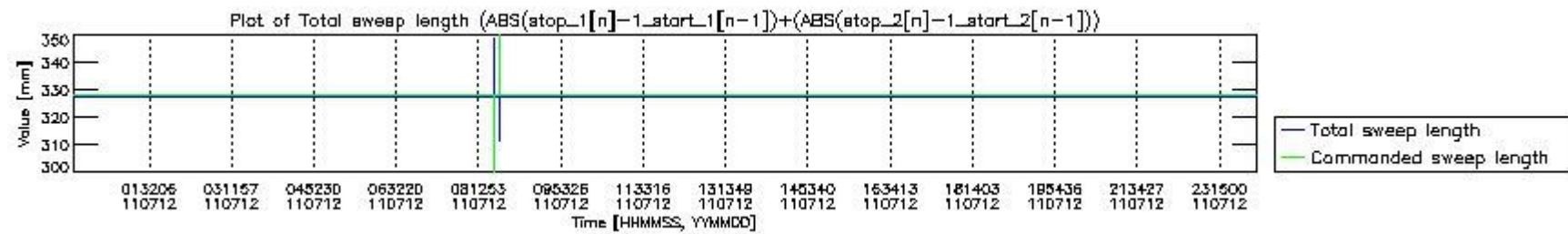
mipas_daily_report_level0_KSPT_L0_4504_N_20110712_3.PNG



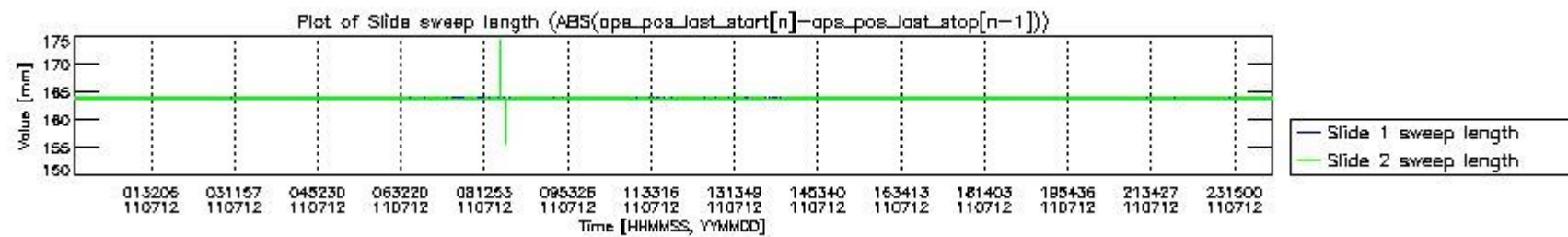
mipas_daily_report_level0_KSPT_L0_4504_N_20110712_4.PNG



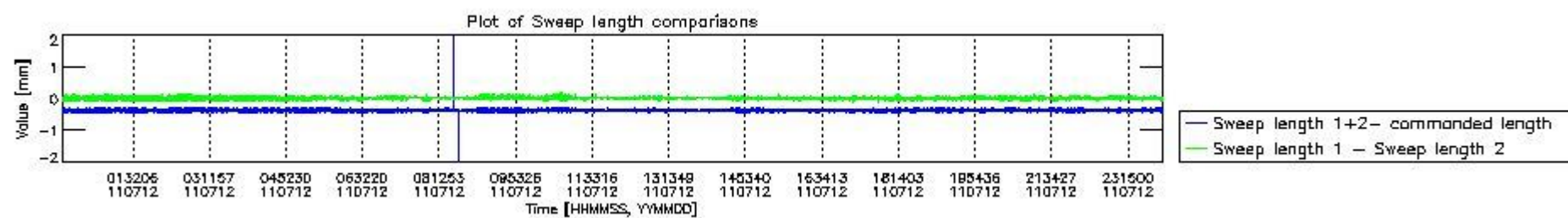
mipas_daily_report_level0_KSPT_L0_4504_N_20110712_5.PNG



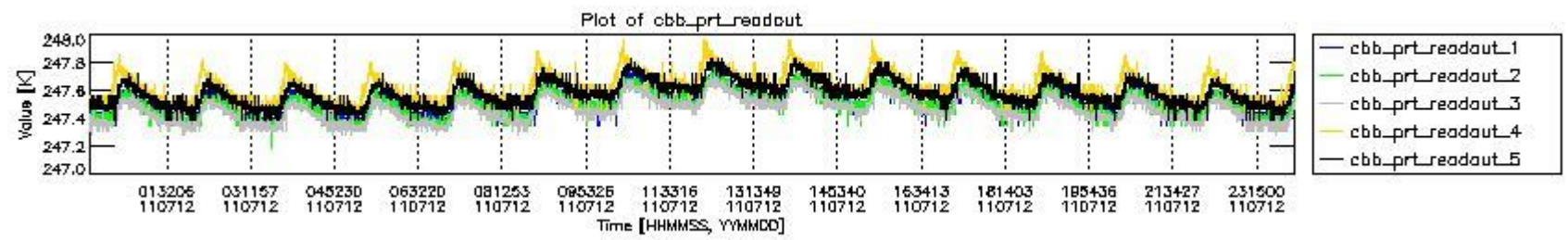
mipas_daily_report_level0_KSPT_L0_4504_N_20110712_6.PNG



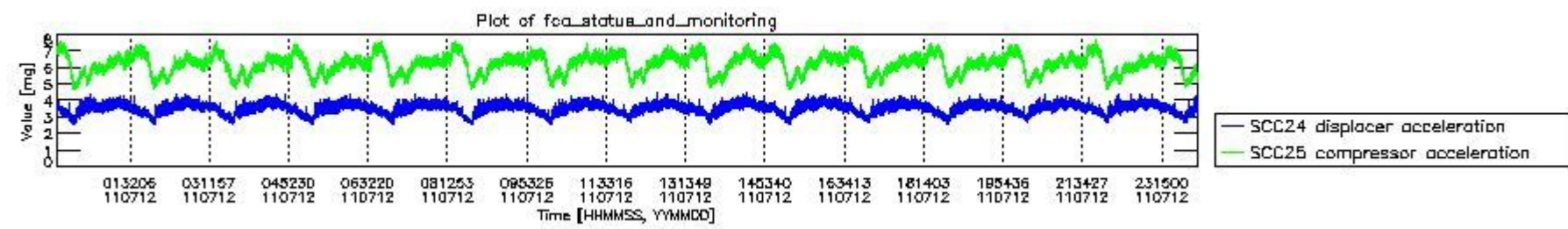
mipas_daily_report_level0_KSPT_L0_4504_N_20110712_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110712_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110712_9.PNG

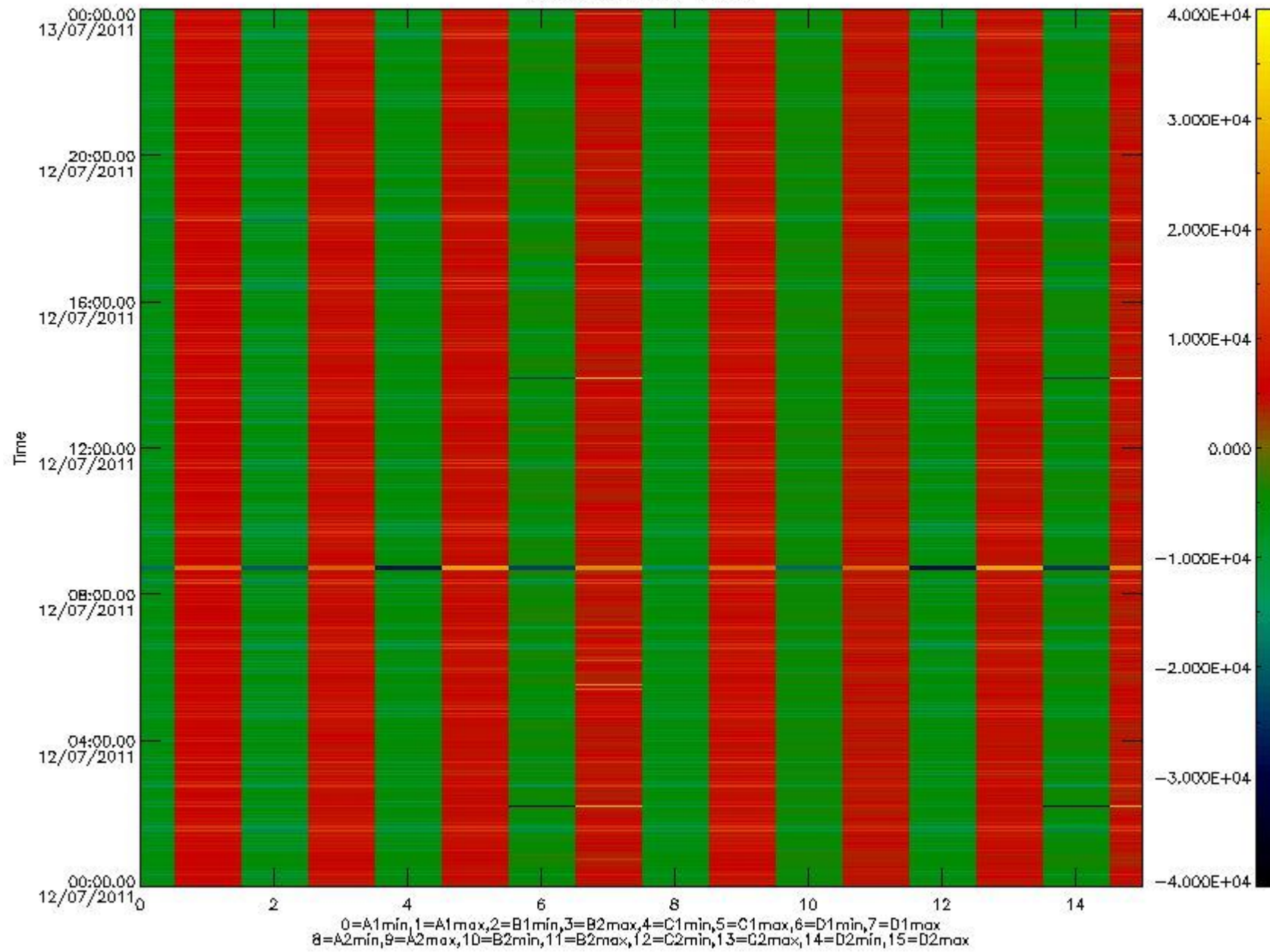


mipas_daily_report_level0_KSPT_L0_4504_N_20110712_10.PNG

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

Channel	Min	Max	ADC
A1	-18866	20041	16bit
B1	-21709	18553	16bit
C1	-27745	27702	16bit
D1	-32768	32767	16bit
A2	-16289	20201	16bit
B2	-20054	19610	16bit
C2	-28867	28520	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_20110712_11.PNG

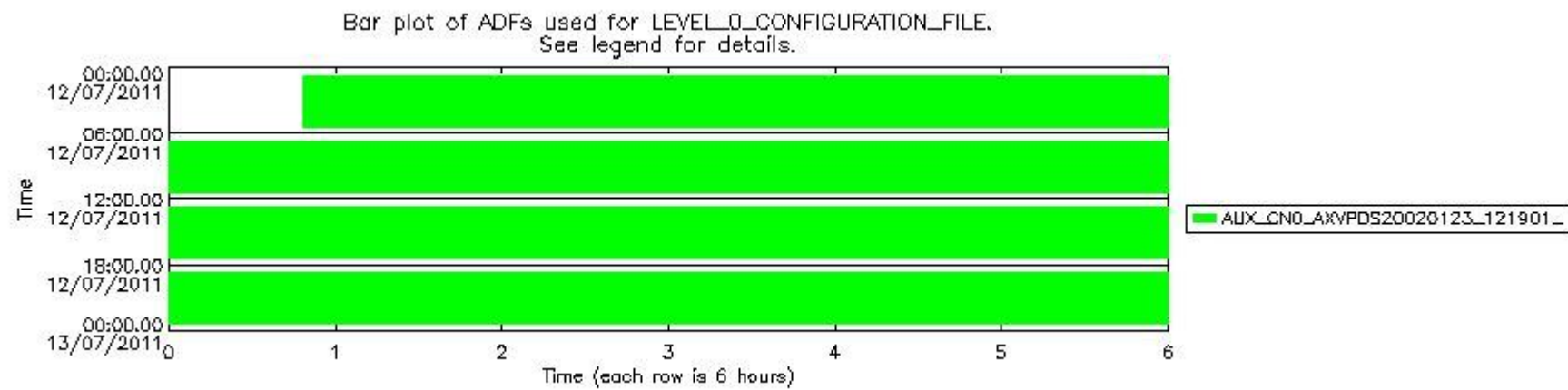
0.3 ADF monitoring

The use of ADFs is shown in two ways:

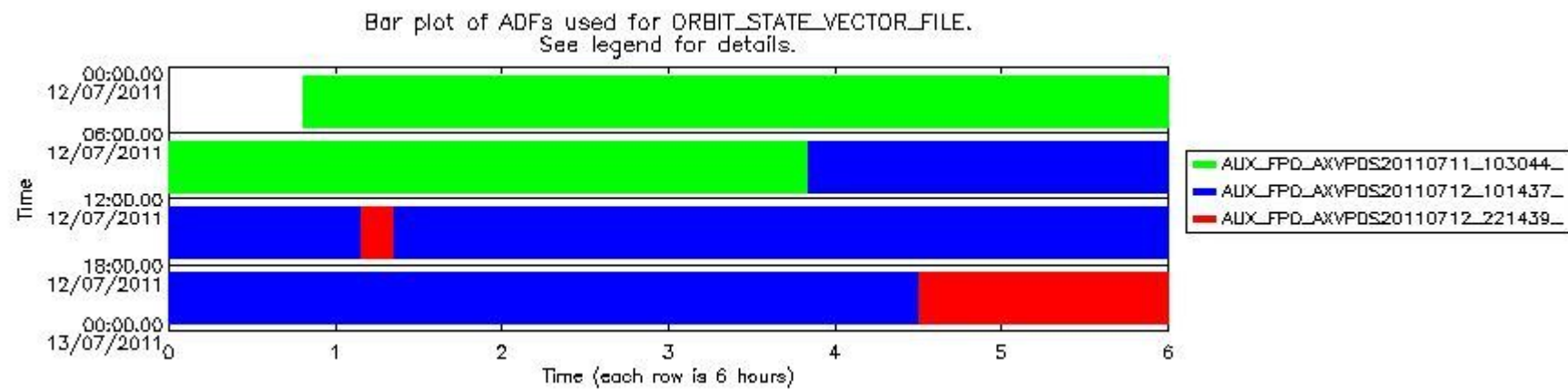
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110711_103044_20110710_185543_20110720_210931
2	AUX_FPO_AXVPDS20110712_101437_20110711_195912_20110721_203246
3	AUX_FPO_AXVPDS20110712_221439_20110712_110118_20110722_131506

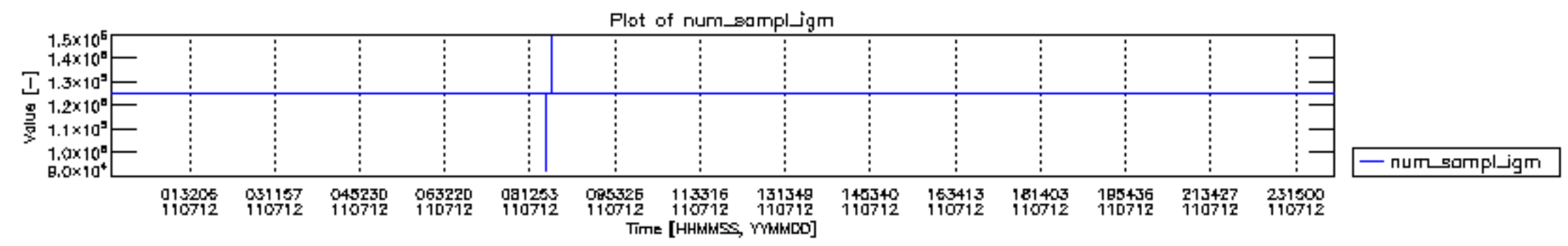
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110712_004828_000057663104_00246_48967_9216.N1	0	1
1	MIP_NL__0PNPDE20110712_022306_000046613104_00247_48968_9217.N1	0	1
2	MIP_NL__0PNPDE20110712_034011_000060903104_00248_48969_9218.N1	0	1
3	MIP_NL__0PNPDE20110712_052109_000060773104_00249_48970_9219.N1	0	1
4	MIP_NL__0PNPDK20110712_070153_000040383104_00250_48971_5746.N1	0	1
5	MIP_NL__0PNPDK20110712_080838_000061423104_00251_48972_5747.N1	0	1
6	MIP_NL__0PNPDK20110712_095016_000059813104_00252_48973_5748.N1	0	2
7	MIP_NL__0PNPDK20110712_112921_000059623104_00253_48974_5749.N1	0	2
8	MIP_NL__0PNPDK20110712_130810_000059123104_00254_48975_5756.N1	0	3
9	MIP_NL__0PNPDK20110712_132122_000051203104_00254_48975_5751.N1	0	2
10	MIP_NL__0PNPDK20110712_144609_000058723104_00255_48976_5752.N1	0	2
11	MIP_NL__0PNPDK20110712_162328_000059163104_00256_48977_5753.N1	0	2
12	MIP_NL__0PNPDK20110712_180110_000059083104_00257_48978_5754.N1	0	2
13	MIP_NL__0PNPDK20110712_193808_000061253104_00258_48979_5755.N1	0	2
14	MIP_NL__0PNPDE20110712_211841_000043543104_00259_48980_9220.N1	0	2
15	MIP_NL__0PNPDE20110712_223020_000061823104_00259_48980_9221.N1	0	3

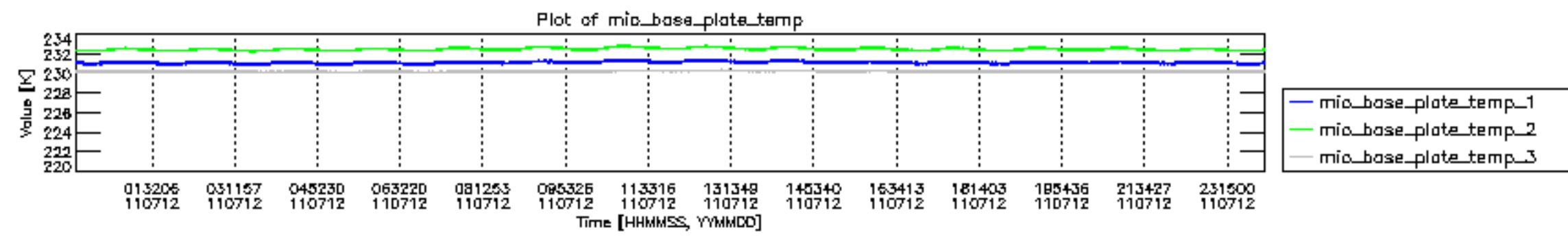


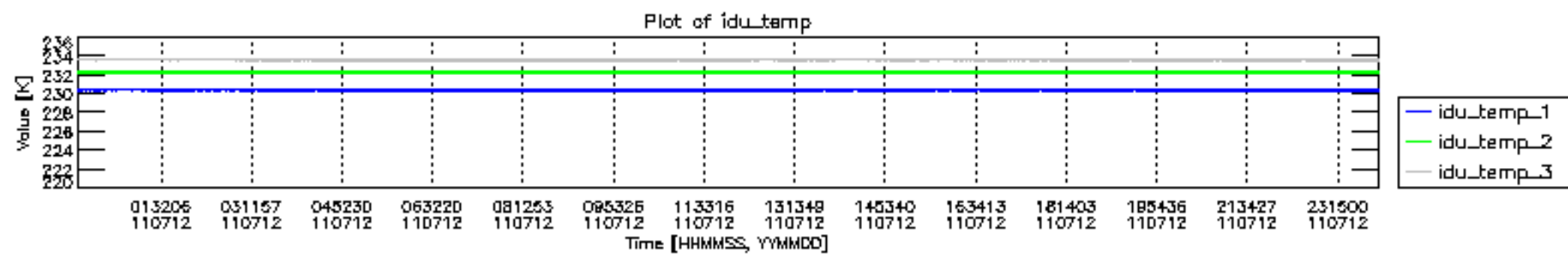
mipas_daily_report_level0_KSPT_L0_4504_N_20110712_12.PNG

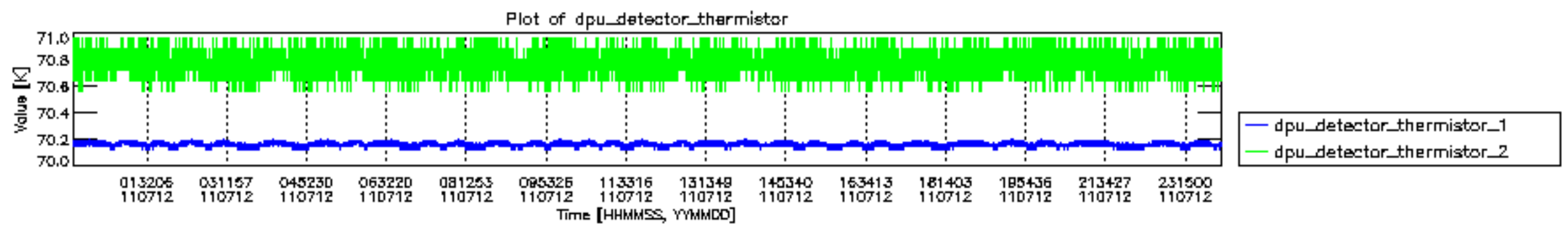


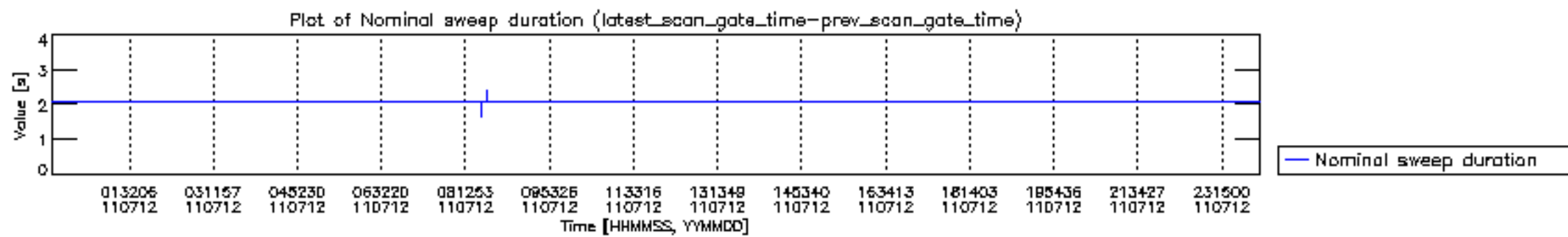
mipas_daily_report_level0_KSPT_L0_4504_N_20110712_13.PNG

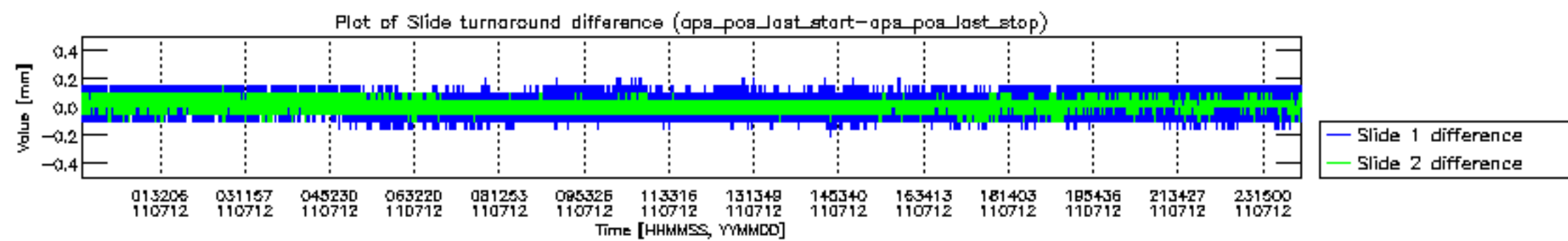


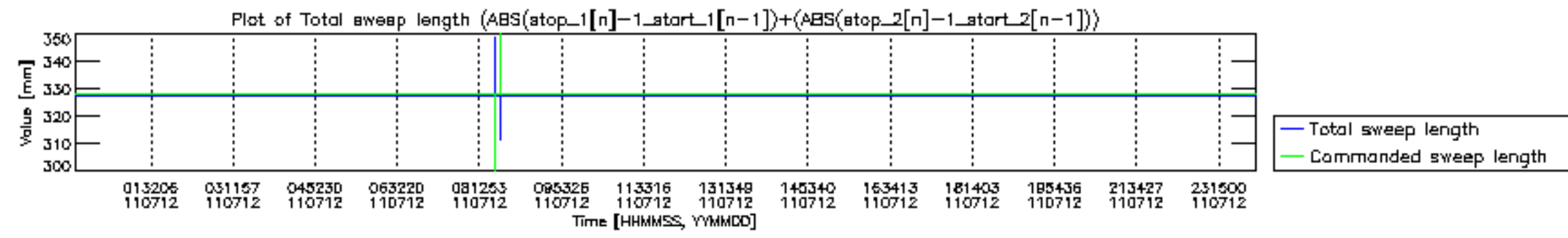


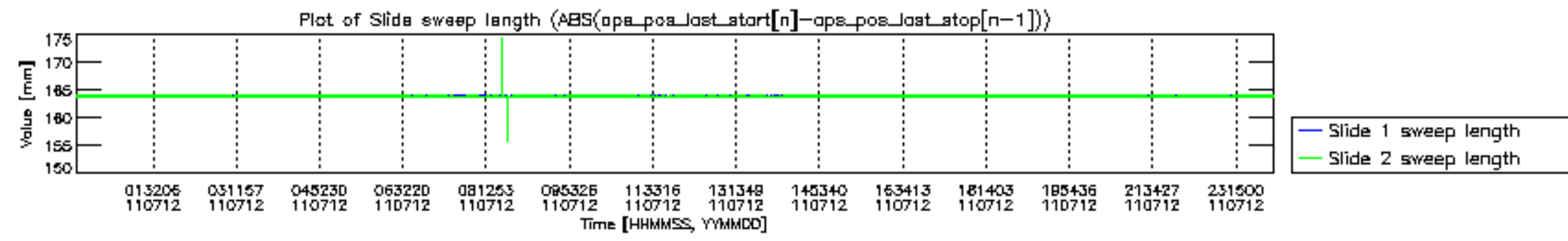


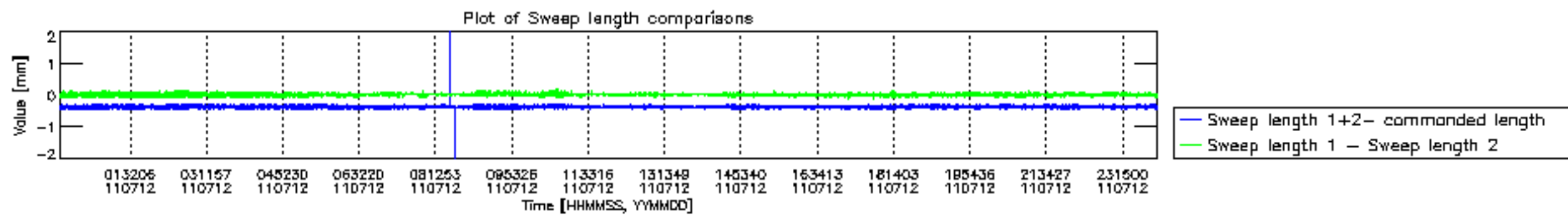


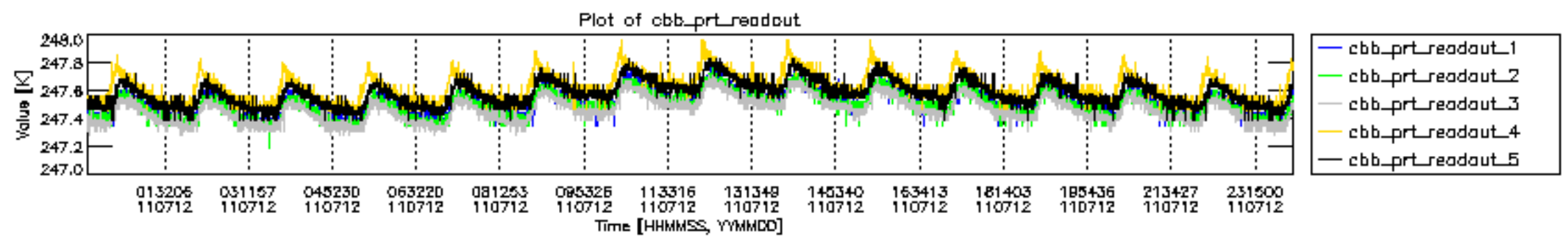


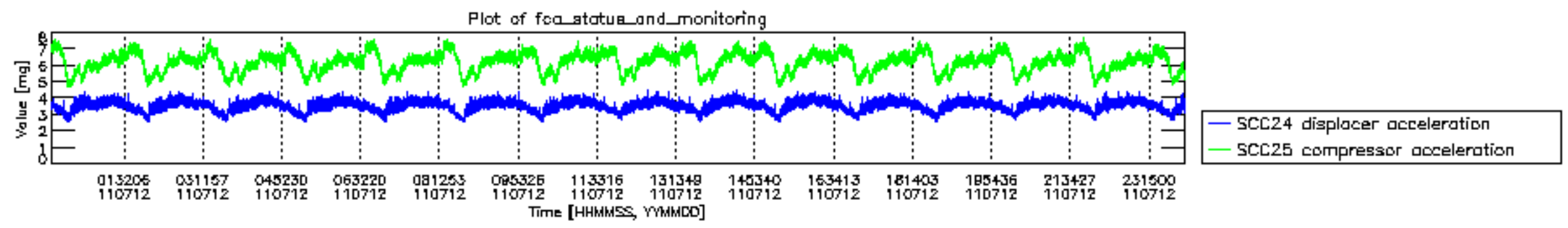




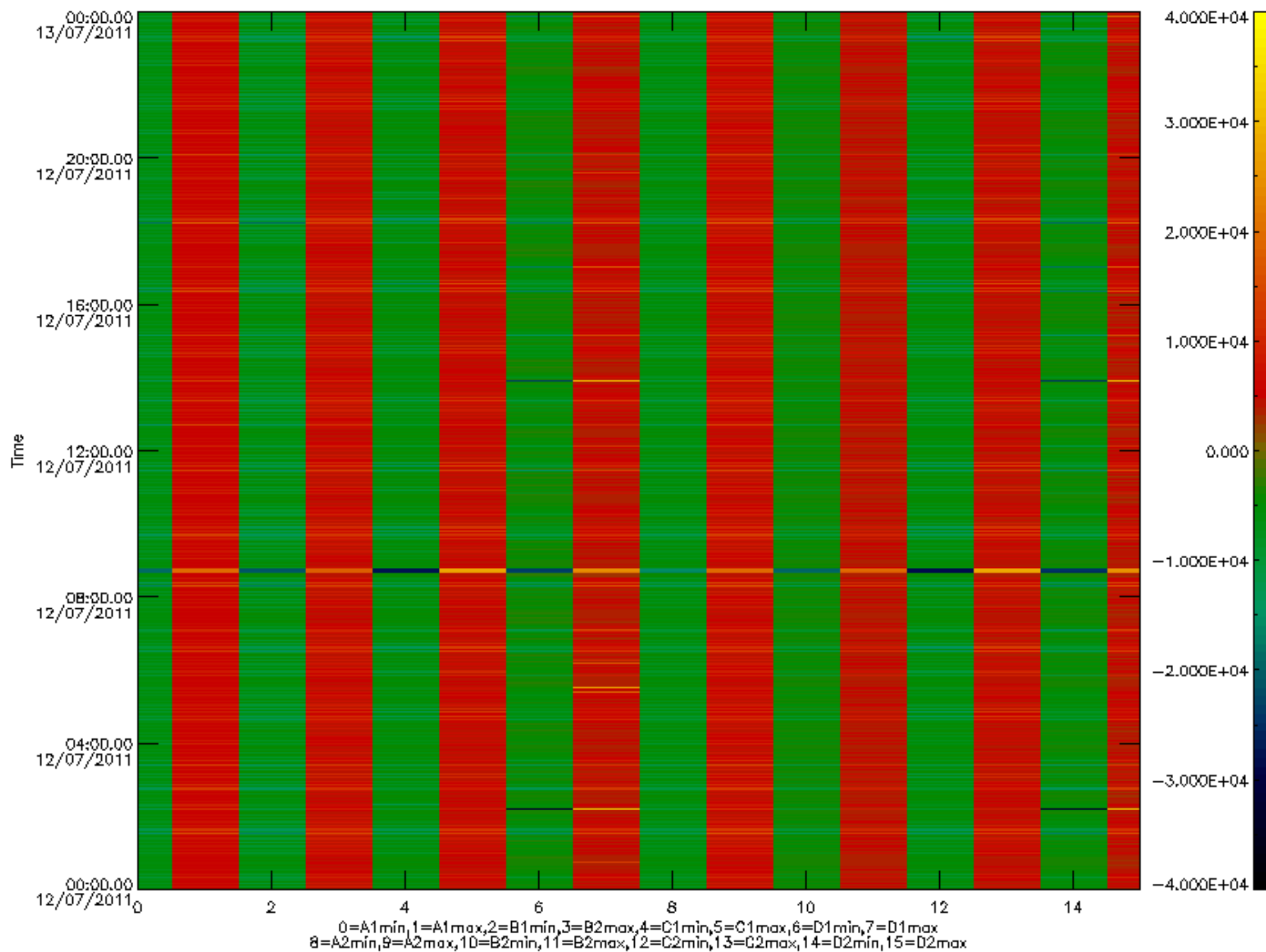


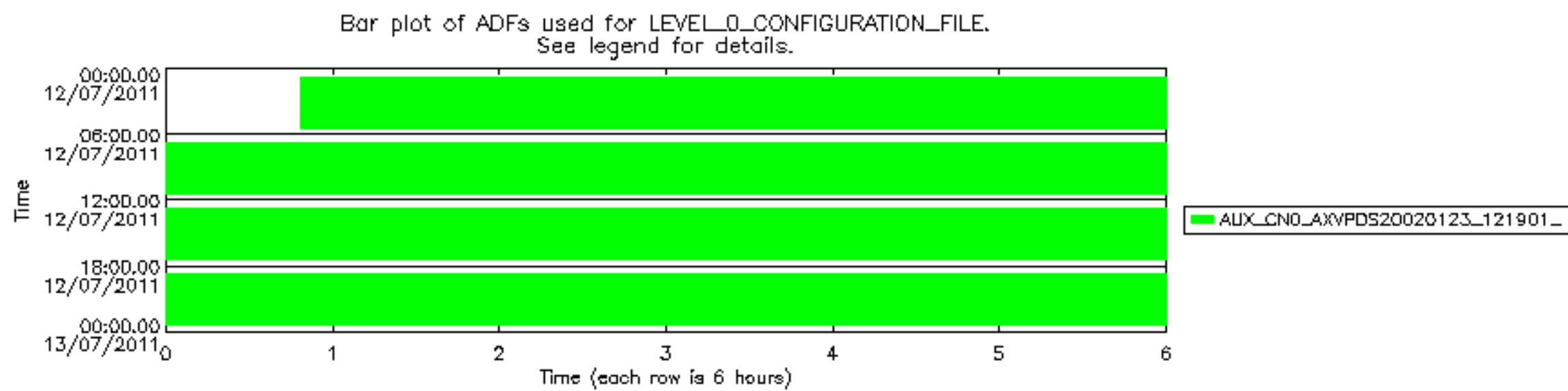






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

