

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	20APR2011 05:23:59
Data source version	KSPT_L0/4504-N
Processing scope for products	15APR2011 00:00:00 to 16APR2011 00:00:00
Start time of first product within scope	15APR2011 01:14:07
Stop time of last product within scope	15APR2011 22:57:40
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__0PNPDE20110415_011407_000102513101_00275_47703_3430.N1	15APR2011 01:14:07	15APR2011 04:04:58	0	0	0	0	0
1	MIP_NL__0PNPDE20110415_013304_000014103101_00276_47704_3432.N1	15APR2011 01:33:04	15APR2011 01:56:34	0	0	0	0	0
2	MIP_NL__0PNPDE20110415_013305_000014083101_00276_47704_3437.N1	15APR2011 01:33:05	15APR2011 01:56:33	0	0	0	0	0
3	MIP_NL__0PNPDE20110415_015635_000077023101_00276_47704_3438.N1	15APR2011 01:56:35	15APR2011 04:04:58	0	0	0	0	0
4	MIP_NL__0PNPDE20110415_015636_000077023101_00276_47704_3433.N1	15APR2011 01:56:36	15APR2011 04:04:59	0	0	0	0	0
5	MIP_NL__0PNPDE20110415_040426_000062053101_00277_47705_3434.N1	15APR2011 04:04:26	15APR2011 05:47:51	0	0	0	0	0
6	MIP_NL__0PNPDE20110415_054715_000061213101_00278_47706_3435.N1	15APR2011 05:47:15	15APR2011 07:29:16	0	0	0	0	0
7	MIP_NL__0PNPDK20110415_072843_000039113101_00279_47707_4854.N1	15APR2011 07:28:43	15APR2011 08:33:53	0	0	0	0	0
8	MIP_NL__0PNPDK20110415_083318_000061923101_00280_47708_4855.N1	15APR2011 08:33:18	15APR2011 10:16:30	0	0	0	0	0
9	MIP_NL__0PNPDK20110415_101546_000059123101_00281_47709_4857.N1	15APR2011 10:15:46	15APR2011 11:54:18	1	1	0	0	0
10	MIP_NL__0PNPDK20110415_115334_000060063101_00282_47710_4858.N1	15APR2011 11:53:34	15APR2011 13:33:40	0	0	0	0	0
11	MIP_NL__0PNPDK20110415_133308_000058723101_00283_47711_4859.N1	15APR2011 13:33:08	15APR2011 15:11:01	0	0	0	0	0
12	MIP_NL__0PNPDK20110415_150937_000059853101_00284_47712_4860.N1	15APR2011 15:09:37	15APR2011 16:49:22	0	0	0	0	0
13	MIP_NL__0PNPDK20110415_164748_000059523101_00285_47713_4861.N1	15APR2011 16:47:48	15APR2011 18:27:00	0	0	0	0	0
14	MIP_NL__0PNPDK20110415_182604_000059393101_00286_47714_4862.N1	15APR2011 18:26:04	15APR2011 20:05:03	0	0	0	0	0
15	MIP_NL__0PNPDE20110415_210917_000065033101_00287_47715_3440.N1	15APR2011 21:09:17	15APR2011 22:57:40	0	0	0	0	0

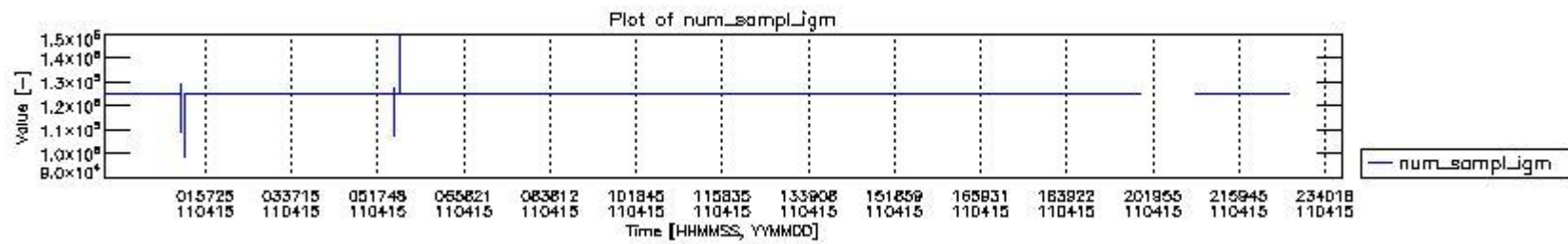
0.2 Instrument Operational Performance Parameters

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.

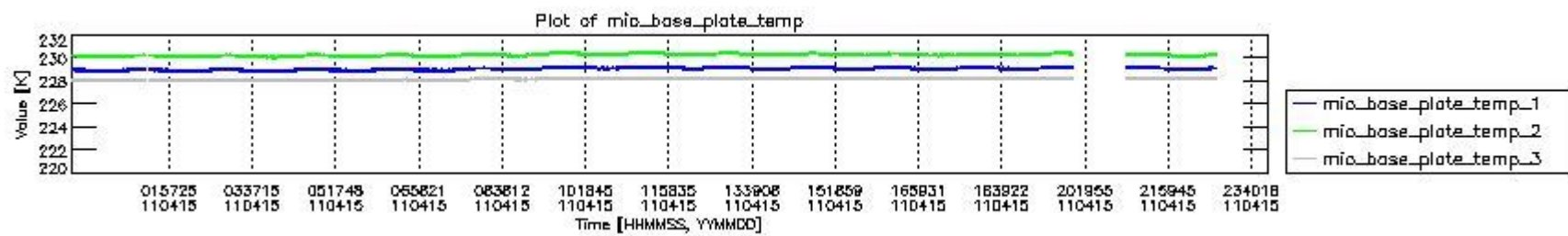
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98699	1	0.0023716352
107607	1	0.0023716352

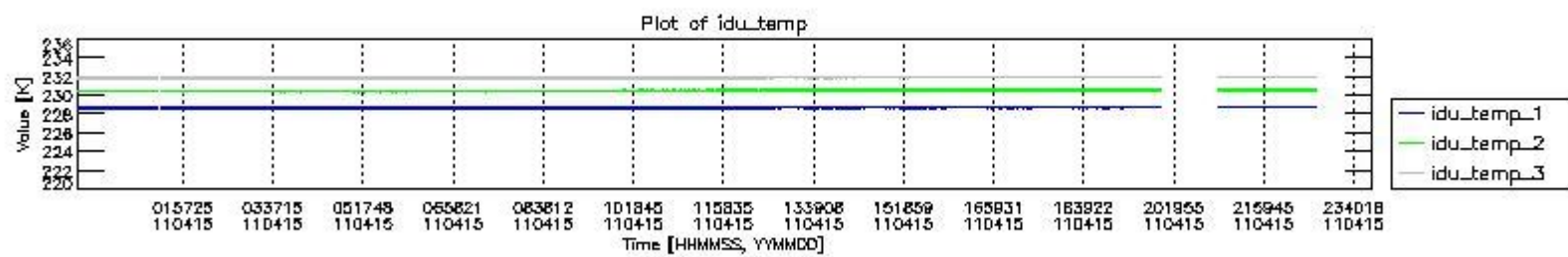
108871	1	0.0023716352
110546	1	0.0023716352
113074	1	0.0023716352
123102	1	0.0023716352
123951	2	0.0047432705
124800	39195	92.956243
124803	2957	7.0129254
127308	1	0.0023716352
127739	1	0.0023716352
129003	1	0.0023716352
147440	1	0.0023716352
149948	1	0.0023716352



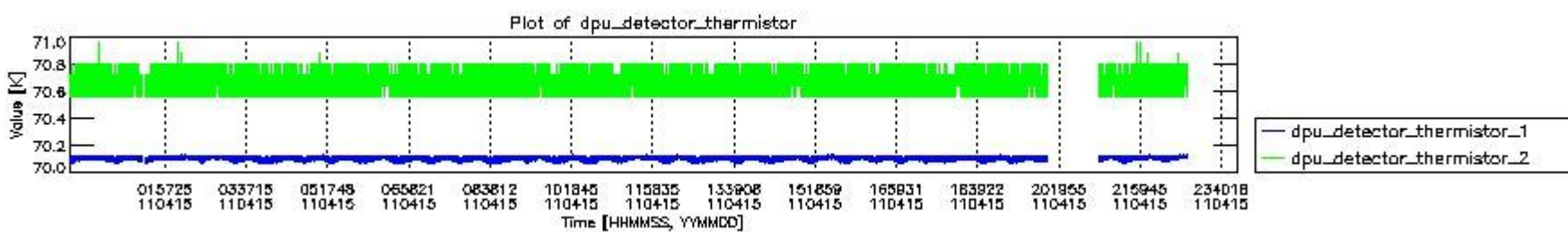
mipas_daily_report_level0_KSPT_L0_4504_N_20110415_0.PNG



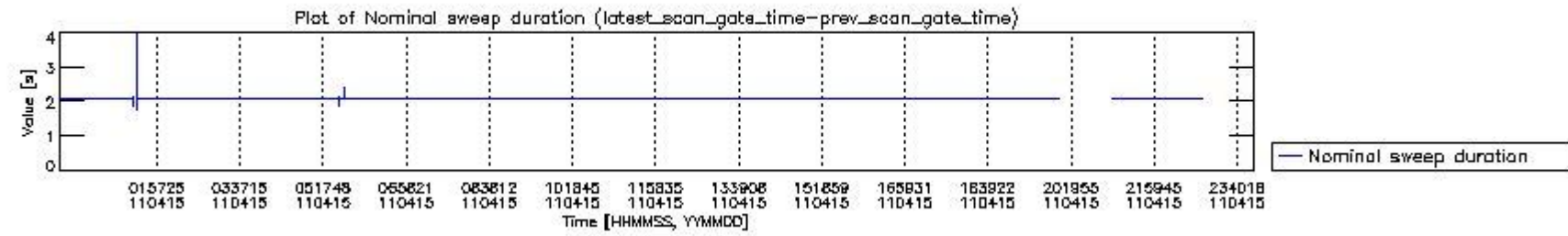
mipas_daily_report_level0_KSPT_L0_4504_N_20110415_1.PNG



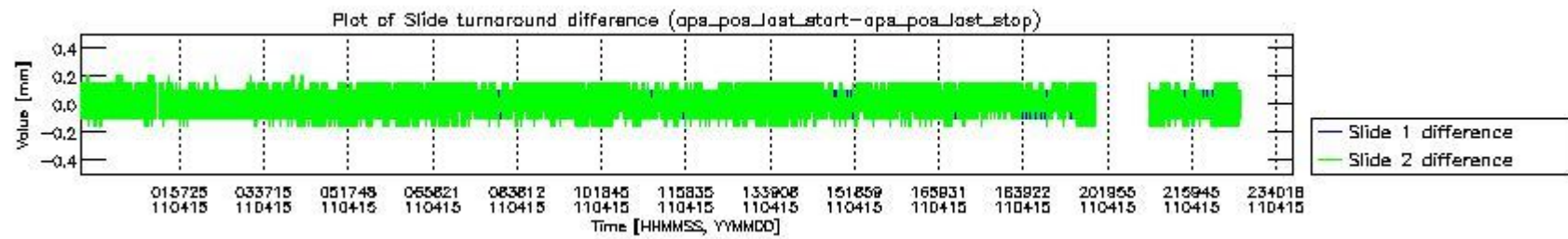
mipas_daily_report_level0_KSPT_L0_4504_N_20110415_2.PNG



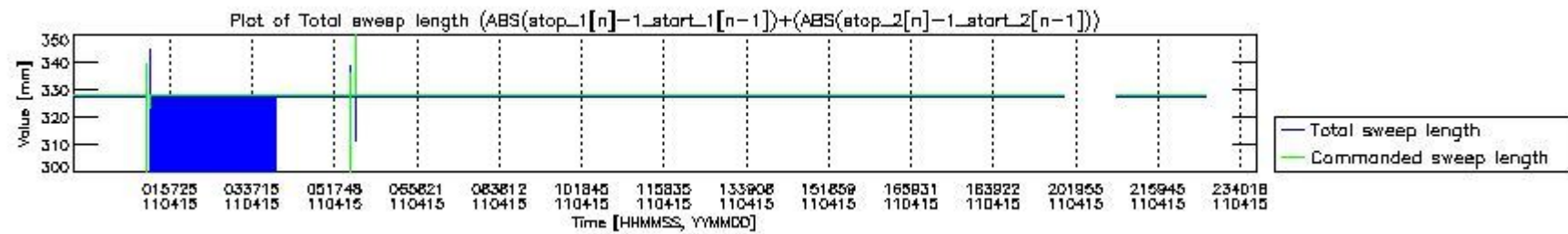
mipas_daily_report_level0_KSPT_L0_4504_N_20110415_3.PNG



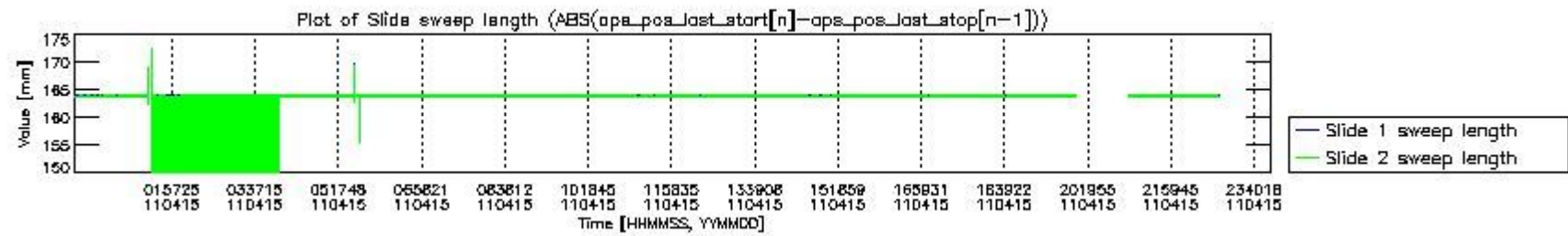
mipas_daily_report_level0_KSPT_L0_4504_N_20110415_4.PNG



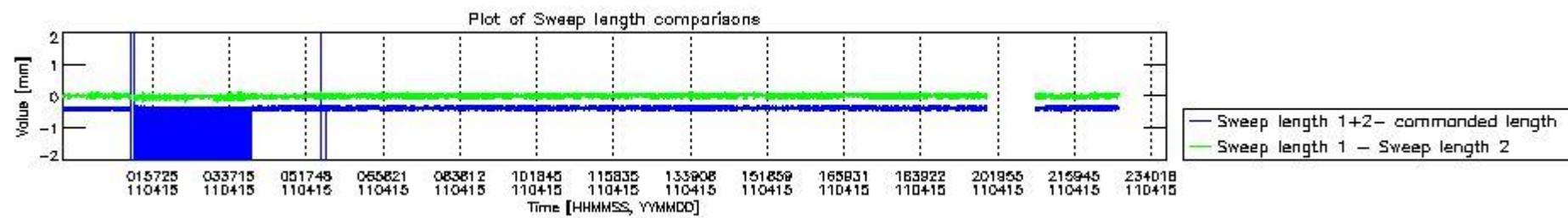
mipas_daily_report_level0_KSPT_L0_4504_N_20110415_5.PNG



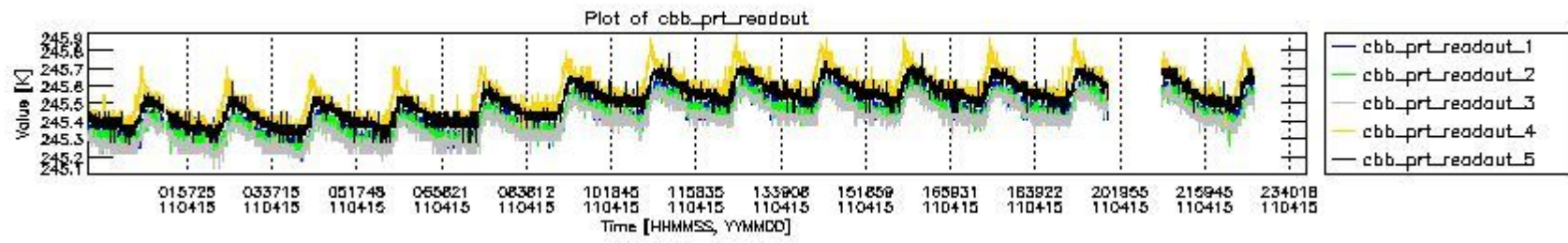
mipas_daily_report_level0_KSPT_L0_4504_N_20110415_6.PNG



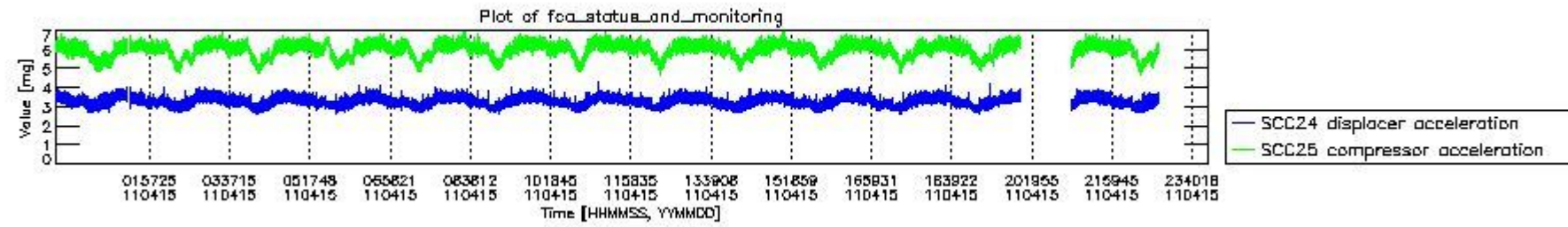
mipas_daily_report_level0_KSPT_L0_4504_N_20110415_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110415_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110415_9.PNG

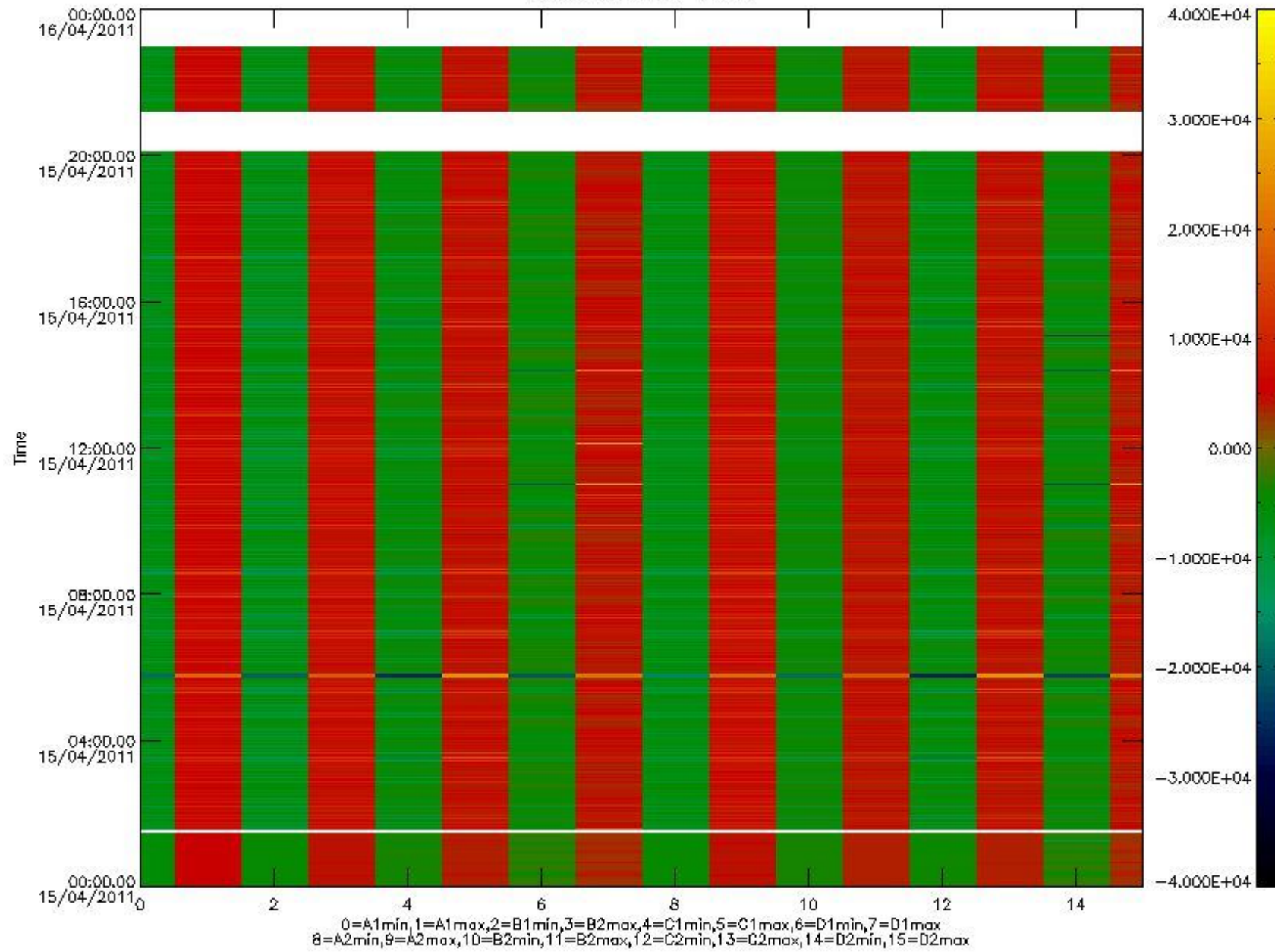


mipas_daily_report_level0_KSPT_L0_4504_N_20110415_10.PNG

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

Channel	Min	Max	ADC
A1	-18796	20202	16bit
B1	-21058	17920	16bit
C1	-25330	25245	16bit
D1	-32768	32767	16bit
A2	-16187	20295	16bit
B2	-19469	18774	16bit
C2	-26397	26013	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_20110415_11.PNG

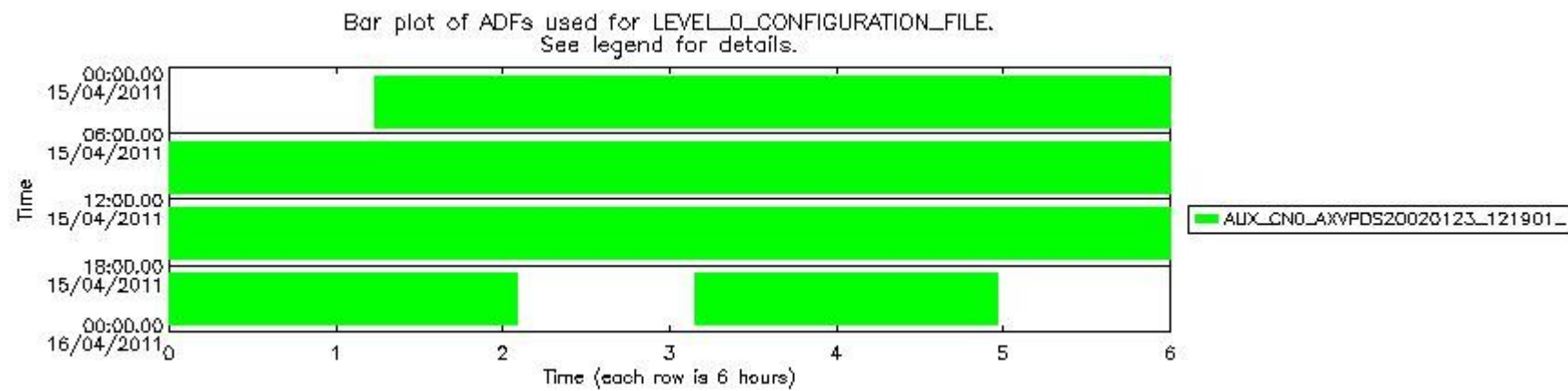
0.3 ADF monitoring

The use of ADFs is shown in two ways:

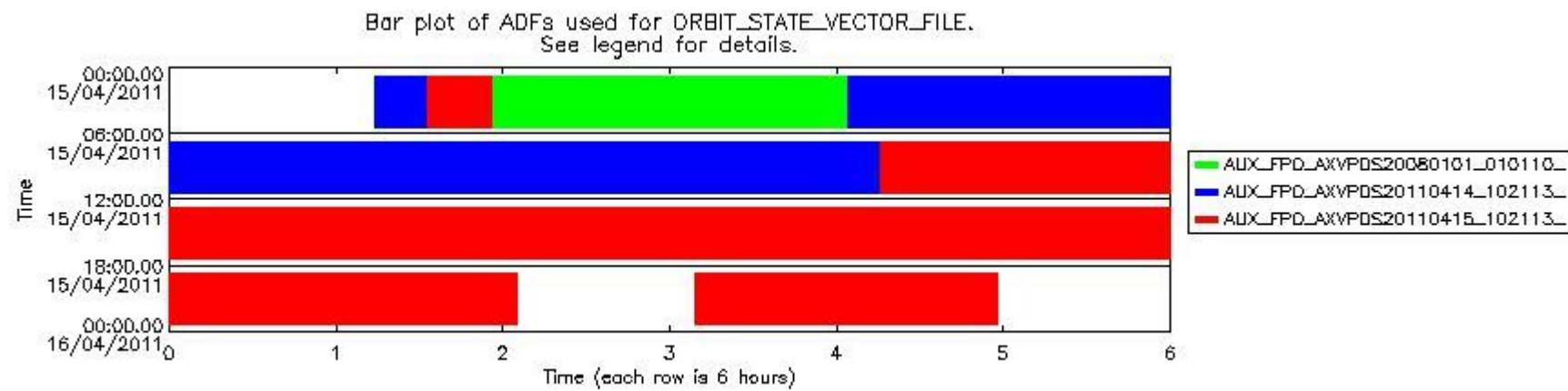
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20080101_010110_20071231_185826_20080110_202439
2	AUX_FPO_AXVPDS20110414_102113_20110413_192103_20110423_213452
3	AUX_FPO_AXVPDS20110415_102113_20110414_184419_20110424_205807

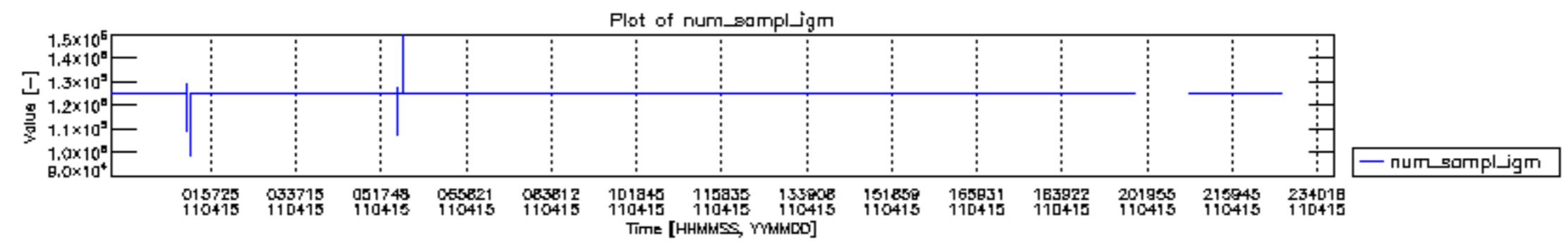
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110415_011407_000102513101_00275_47703_3430.N1	0	2
1	MIP_NL__0PNPDE20110415_013304_000014103101_00276_47704_3432.N1	0	1
2	MIP_NL__0PNPDE20110415_013305_000014083101_00276_47704_3437.N1	0	3
3	MIP_NL__0PNPDE20110415_015635_000077023101_00276_47704_3438.N1	0	3
4	MIP_NL__0PNPDE20110415_015636_000077023101_00276_47704_3433.N1	0	1
5	MIP_NL__0PNPDE20110415_040426_000062053101_00277_47705_3434.N1	0	2
6	MIP_NL__0PNPDE20110415_054715_000061213101_00278_47706_3435.N1	0	2
7	MIP_NL__0PNPDK20110415_072843_000039113101_00279_47707_4854.N1	0	2
8	MIP_NL__0PNPDK20110415_083318_000061923101_00280_47708_4855.N1	0	2
9	MIP_NL__0PNPDK20110415_101546_000059123101_00281_47709_4857.N1	0	3
10	MIP_NL__0PNPDK20110415_115334_000060063101_00282_47710_4858.N1	0	3
11	MIP_NL__0PNPDK20110415_133308_000058723101_00283_47711_4859.N1	0	3
12	MIP_NL__0PNPDK20110415_150937_000059853101_00284_47712_4860.N1	0	3
13	MIP_NL__0PNPDK20110415_164748_000059523101_00285_47713_4861.N1	0	3
14	MIP_NL__0PNPDK20110415_182604_000059393101_00286_47714_4862.N1	0	3
15	MIP_NL__0PNPDE20110415_210917_000065033101_00287_47715_3440.N1	0	3

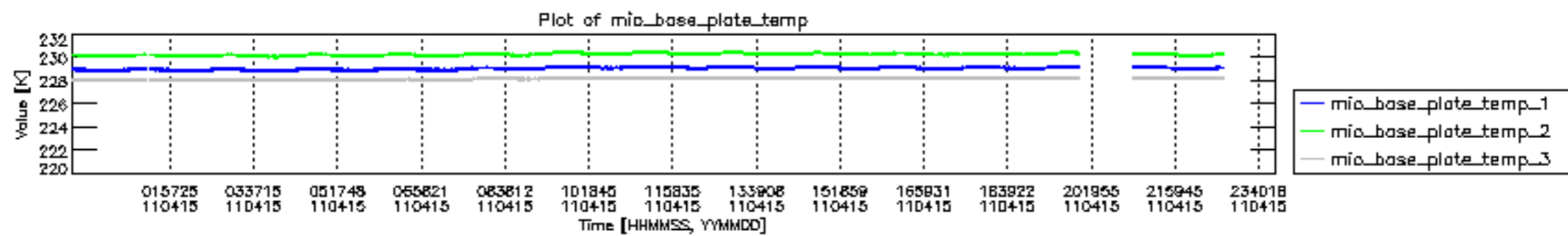


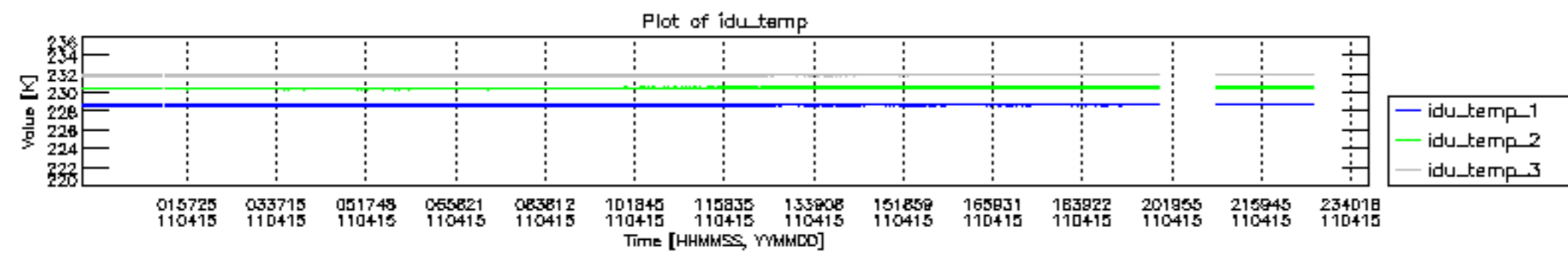
mipas_daily_report_level0_KSPT_L0_4504_N_20110415_12.PNG

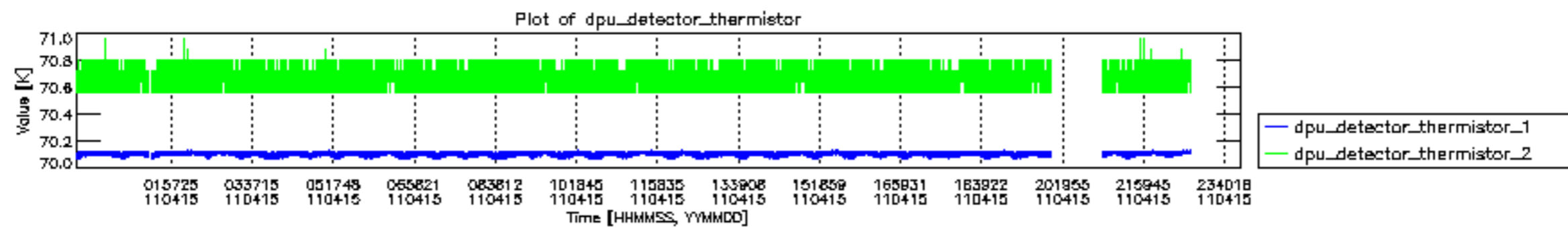


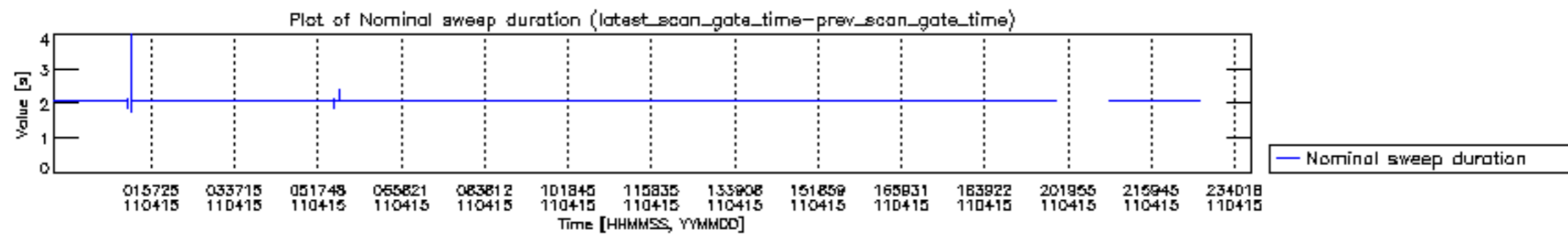
mipas_daily_report_level0_KSPT_L0_4504_N_20110415_13.PNG

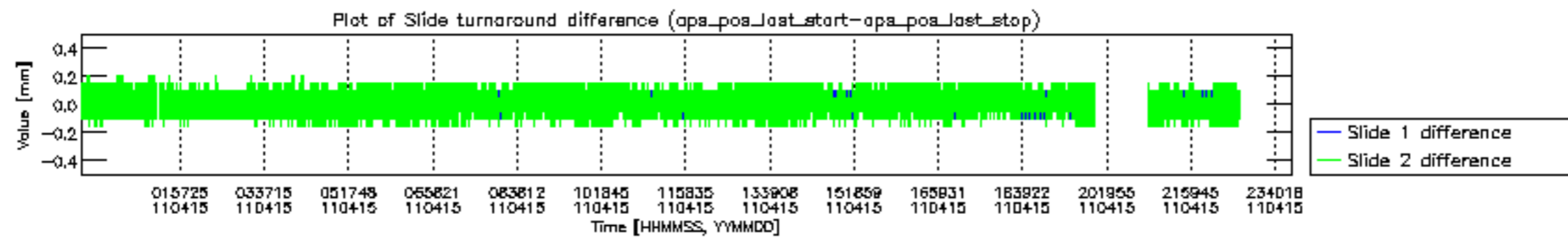


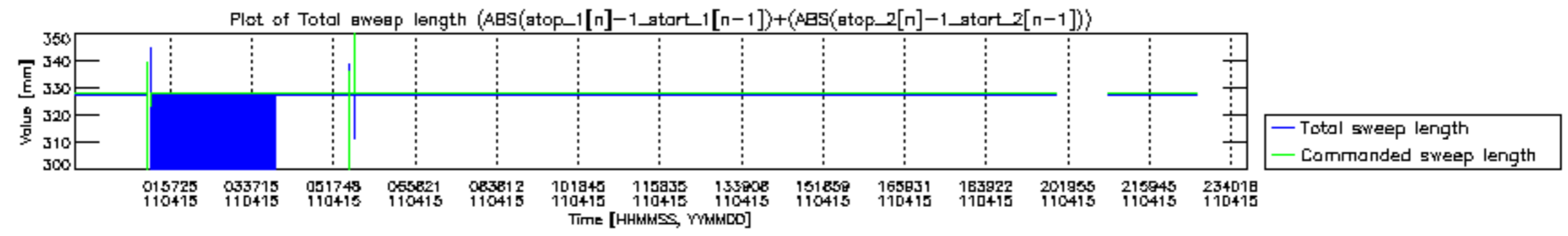


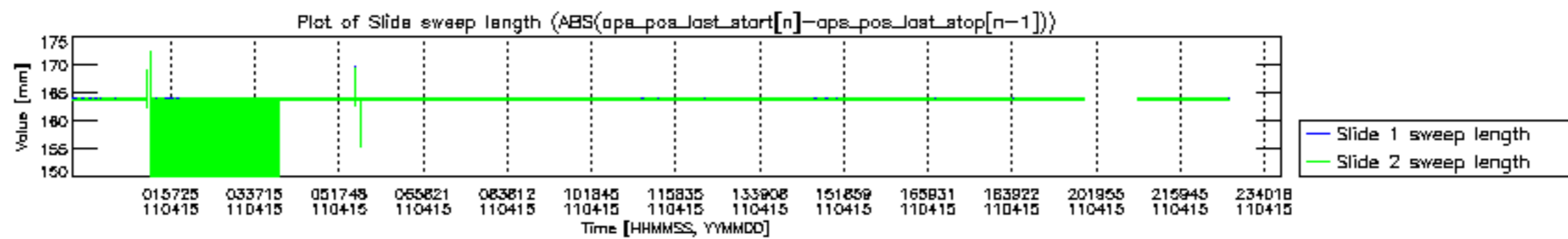


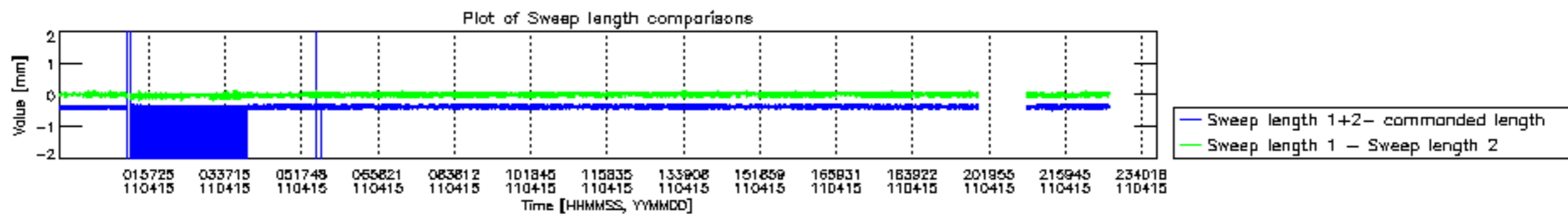


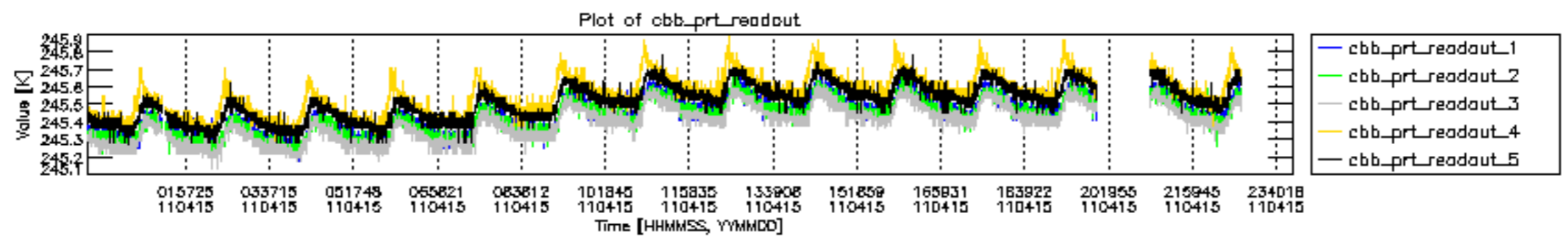


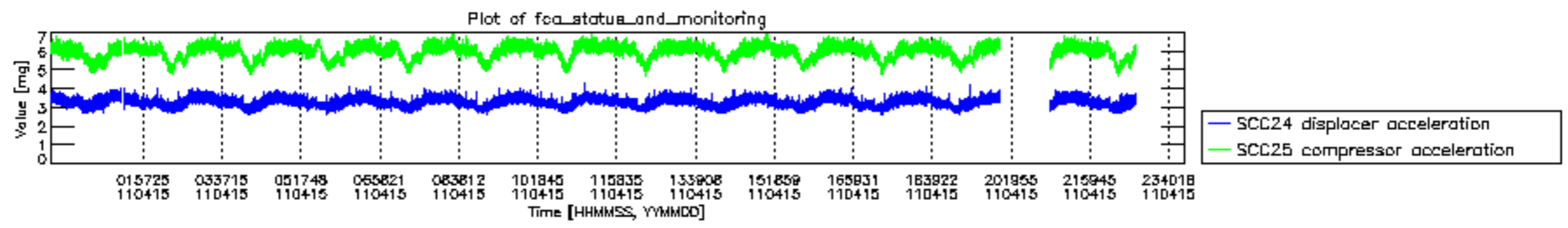




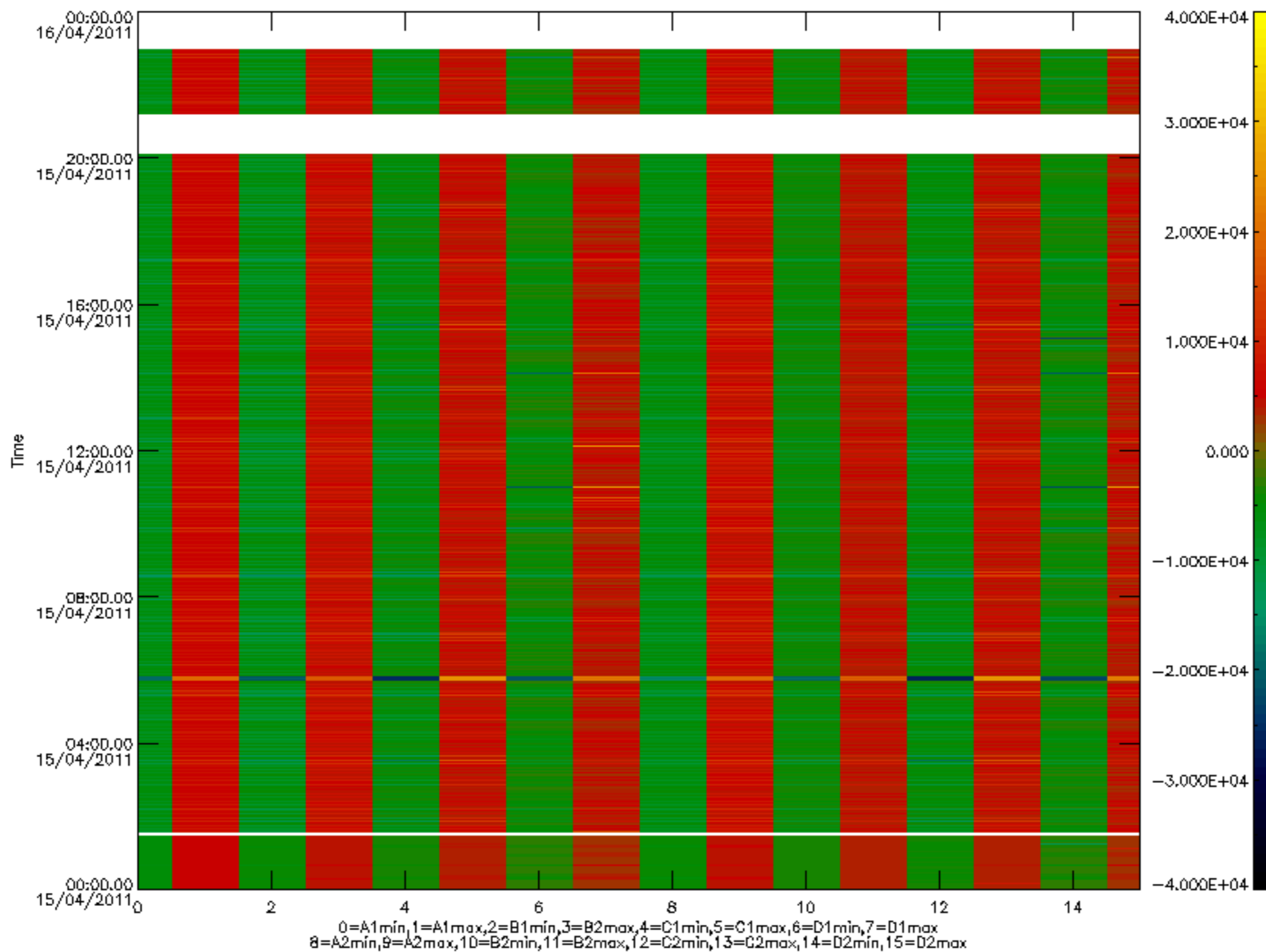


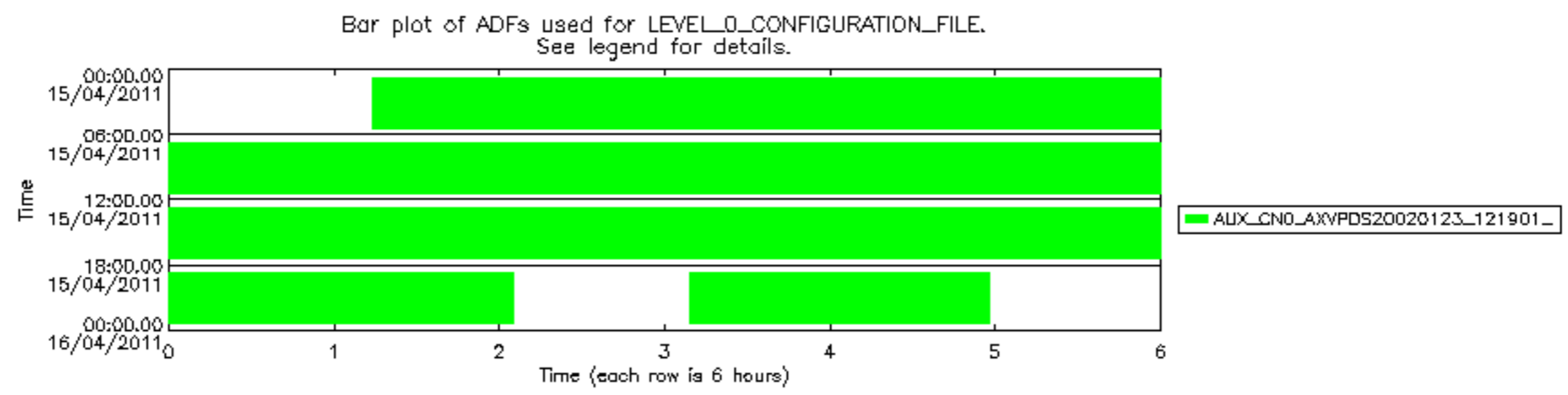






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





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

