

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	20JUL2011 05:25:11
Data source version	KSPT_L0/4504-N
Processing scope for products	15JUL2011 00:00:00 to 16JUL2011 00:00:00
Start time of first product within scope	15JUL2011 00:38:51
Stop time of last product within scope	16JUL2011 00:01:42
Total number of level 0 products	15
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__0PNPDE20110715_003851_000057613104_00289_49010_9235.N1	15JUL2011 00:38:51	15JUL2011 02:14:52	0	0	0	0	0
1	MIP_NL__0PNPDE20110715_021318_000046593104_00290_49011_9236.N1	15JUL2011 02:13:18	15JUL2011 03:30:56	0	0	0	0	0
2	MIP_NL__0PNPDE20110715_033023_000060633104_00291_49012_9238.N1	15JUL2011 03:30:23	15JUL2011 05:11:26	0	0	0	0	0
3	MIP_NL__0PNPDE20110715_051050_000060773104_00292_49013_9239.N1	15JUL2011 05:10:50	15JUL2011 06:52:07	0	0	0	0	0
4	MIP_NL__0PNPDK20110715_065134_000040973104_00293_49014_5776.N1	15JUL2011 06:51:34	15JUL2011 07:59:50	0	0	0	0	0
5	MIP_NL__0PNPDK20110715_075907_000061023104_00294_49015_5777.N1	15JUL2011 07:59:07	15JUL2011 09:40:49	0	0	0	0	0
6	MIP_NL__0PNPDK20110715_094005_000060003104_00295_49016_5778.N1	15JUL2011 09:40:05	15JUL2011 11:20:05	0	0	0	0	0
7	MIP_NL__0PNPDK20110715_111923_000059463104_00296_49017_5779.N1	15JUL2011 11:19:23	15JUL2011 12:58:29	0	0	0	0	0
8	MIP_NL__0PNPDK20110715_125756_000059563104_00297_49018_5780.N1	15JUL2011 12:57:56	15JUL2011 14:37:12	0	0	0	0	0
9	MIP_NL__0PNPDK20110715_143630_000058583104_00298_49019_5781.N1	15JUL2011 14:36:30	15JUL2011 16:14:08	0	0	0	0	0
10	MIP_NL__0PNPDK20110715_161335_000058243104_00299_49020_5782.N1	15JUL2011 16:13:35	15JUL2011 17:50:39	0	0	0	0	0
11	MIP_NL__0PNPDK20110715_174940_000060233104_00300_49021_5783.N1	15JUL2011 17:49:40	15JUL2011 19:30:03	1	1	0	0	0
12	MIP_NL__0PNPDK20110715_192909_000061193104_00301_49022_5784.N1	15JUL2011 19:29:09	15JUL2011 21:11:08	0	0	0	0	0
13	MIP_NL__0PNPDE20110715_211010_000042073104_00302_49023_9240.N1	15JUL2011 21:10:10	15JUL2011 22:20:17	0	0	0	0	0
14	MIP_NL__0PNPDE20110715_221912_000061503104_00302_49023_9241.N1	15JUL2011 22:19:12	16JUL2011 00:01:42	0	0	0	0	0

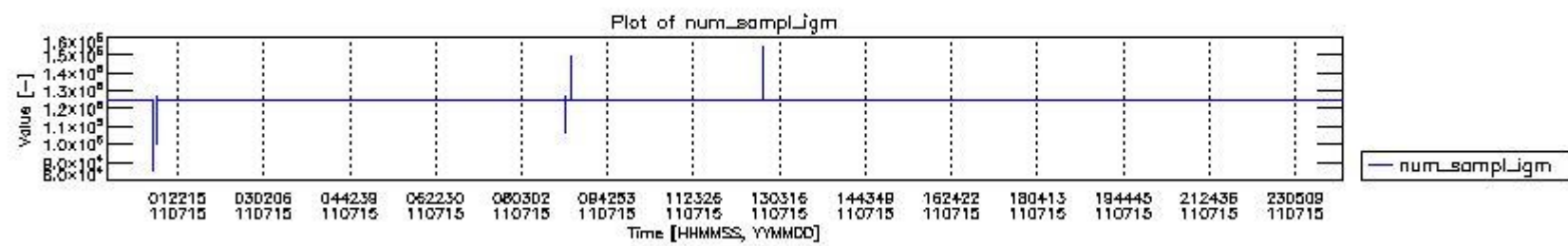
0.2 Instrument Operational Performance Parameters

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.

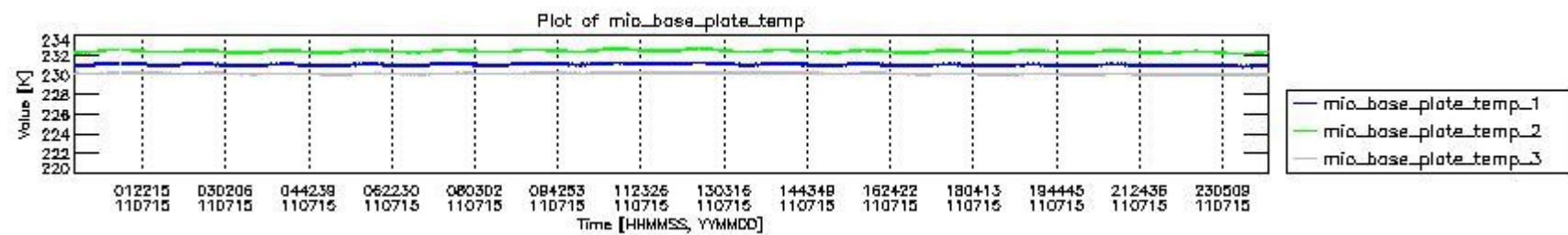
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
85866	1	0.0024098708
95267	1	0.0024098708
100557	1	0.0024098708

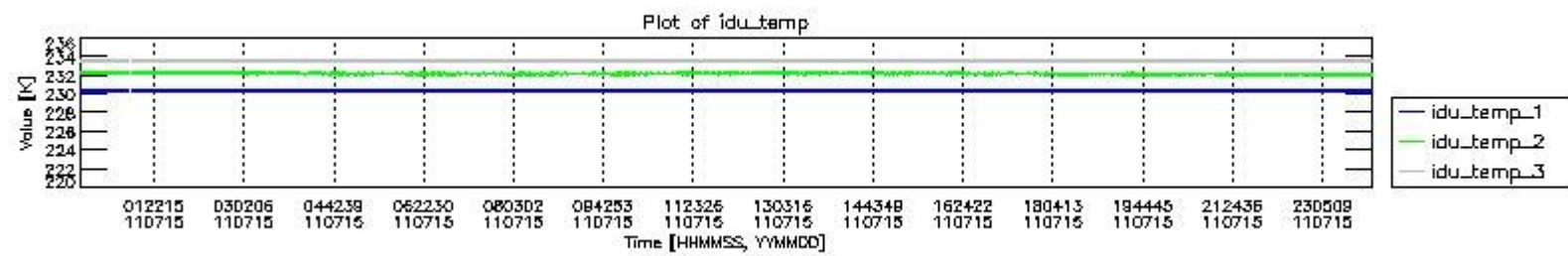
106343	1	0.0024098708
108018	1	0.0024098708
115399	1	0.0024098708
124800	38553	92.907750
124803	2928	7.0561018
125809	1	0.0024098708
126475	1	0.0024098708
126818	1	0.0024098708
127233	1	0.0024098708
129686	1	0.0024098708
147365	1	0.0024098708
149798	1	0.0024098708
149818	1	0.0024098708
154704	1	0.0024098708



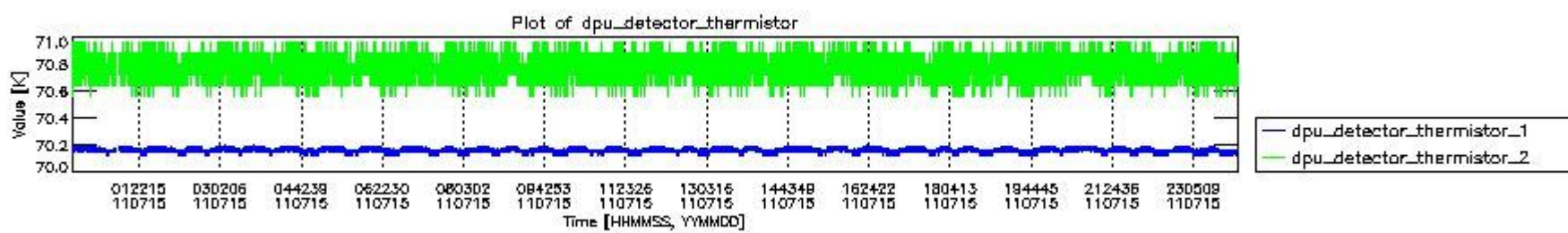
mipas_daily_report_level0_KSPT_L0_4504_N_20110715_0.PNG



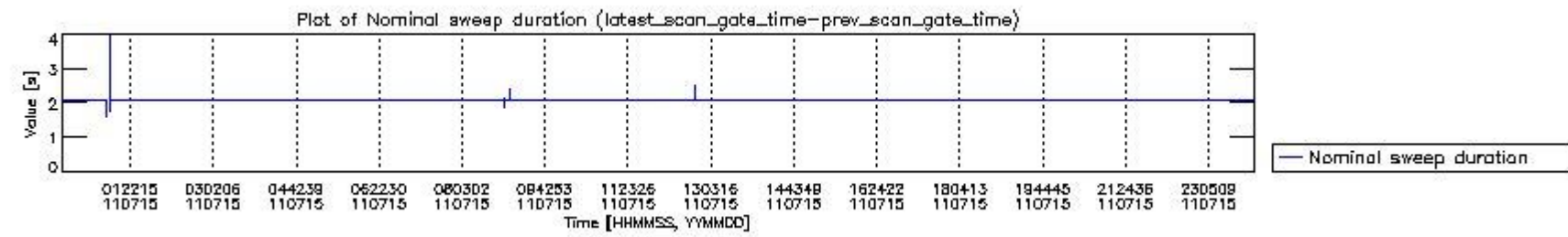
mipas_daily_report_level0_KSPT_L0_4504_N_20110715_1.PNG



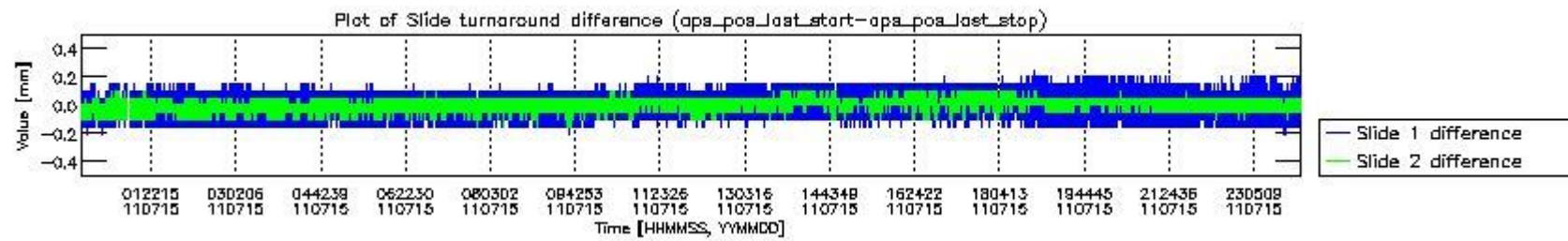
mipas_daily_report_level0_KSPT_L0_4504_N_20110715_2.PNG



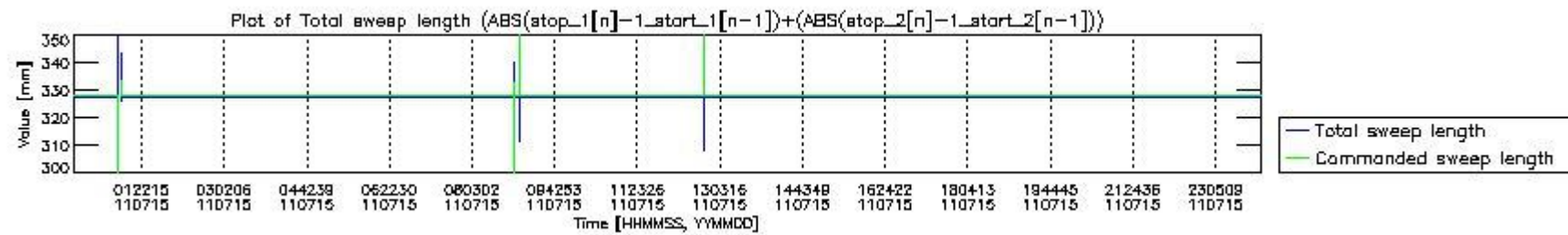
mipas_daily_report_level0_KSPT_L0_4504_N_20110715_3.PNG



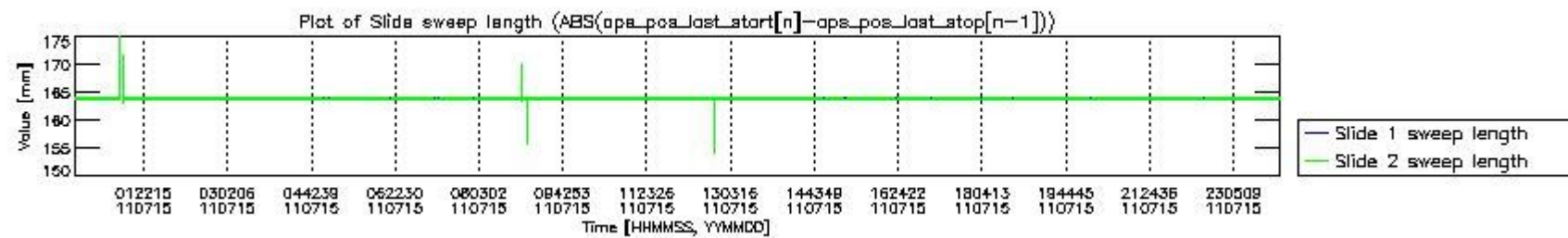
mipas_daily_report_level0_KSPT_L0_4504_N_20110715_4.PNG



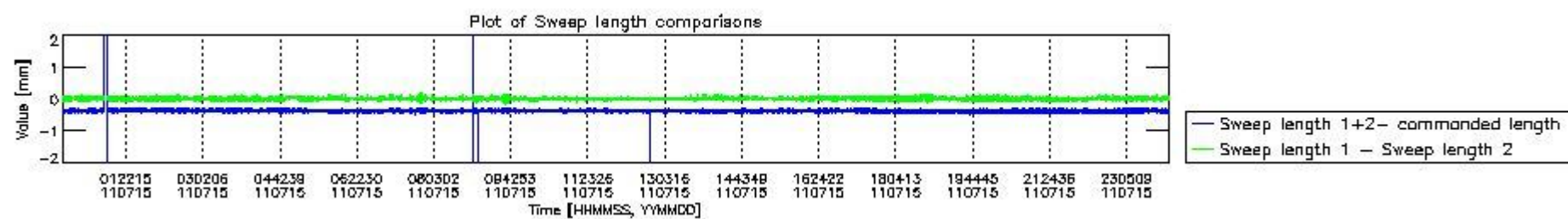
mipas_daily_report_level0_KSPT_L0_4504_N_20110715_5.PNG



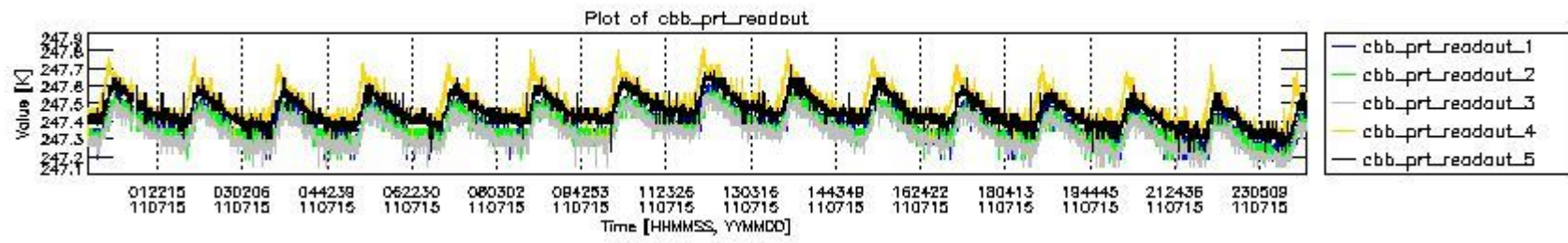
mipas_daily_report_level0_KSPT_L0_4504_N_20110715_6.PNG



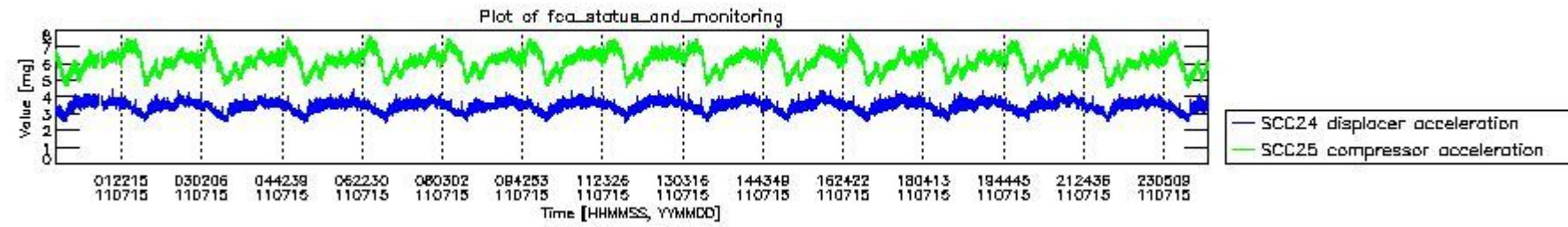
mipas_daily_report_level0_KSPT_L0_4504_N_20110715_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110715_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110715_9.PNG

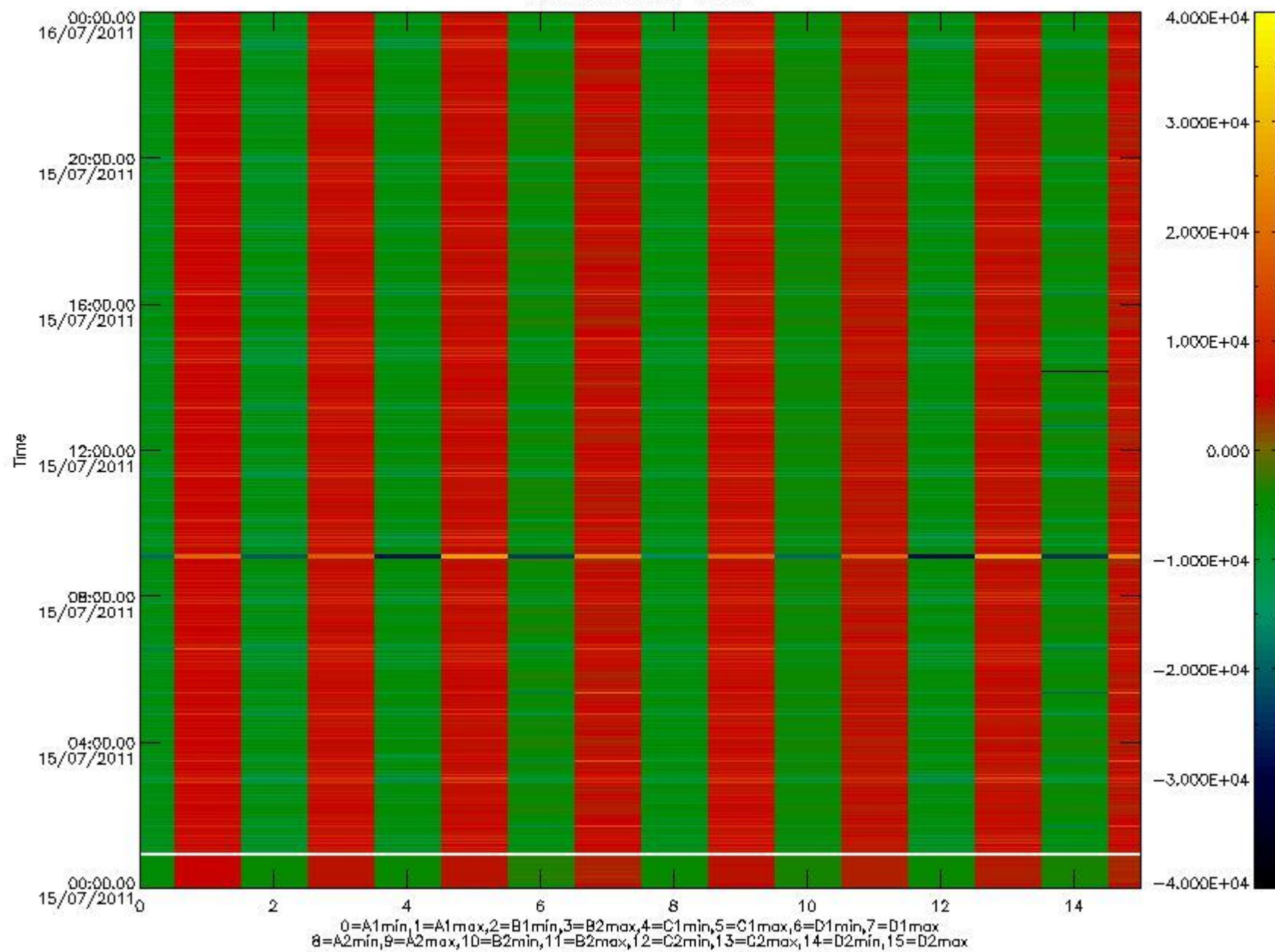


mipas_daily_report_level0_KSPT_L0_4504_N_20110715_10.PNG

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

Channel	Min	Max	ADC
A1	-18952	20013	16bit
B1	-21760	18580	16bit
C1	-27820	27817	16bit
D1	-32768	32767	16bit
A2	-16297	20210	16bit
B2	-20091	19667	16bit
C2	-28883	28674	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_20110715_11.PNG

0.3 ADF monitoring

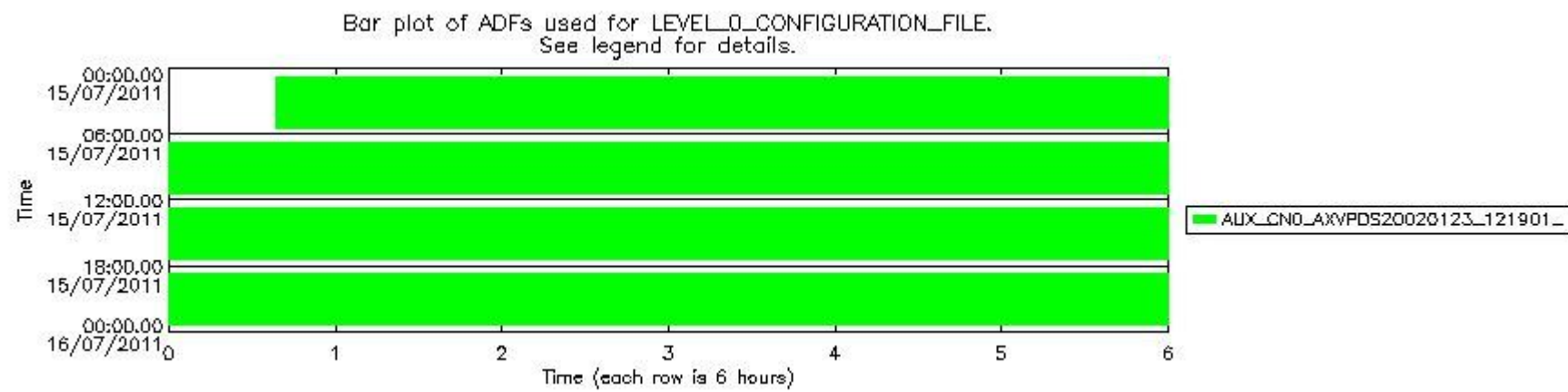
The use of ADFs is shown in two ways:

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.

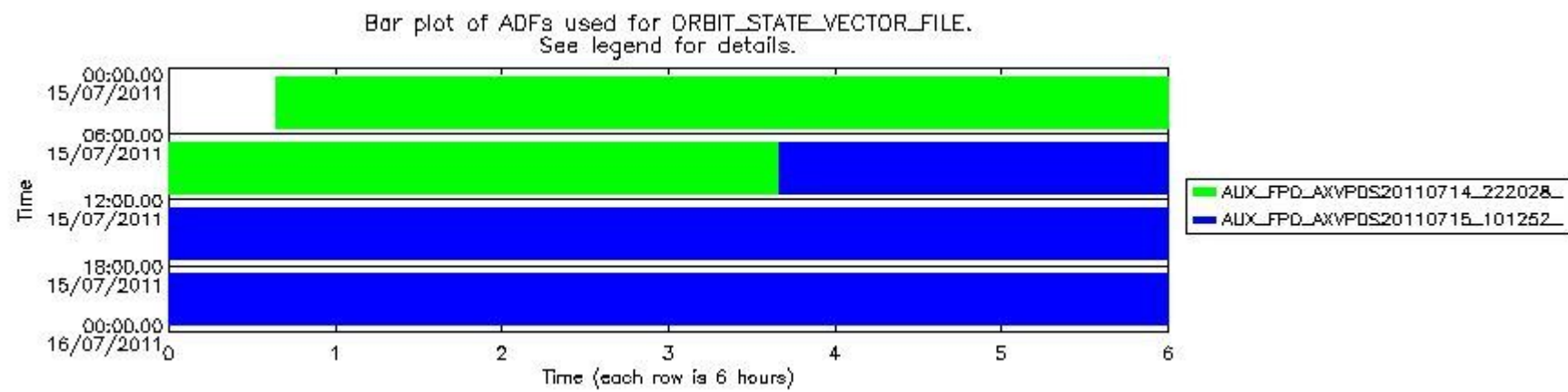
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110714_222028_20110713_184544_20110723_205930
2	AUX_FPO_AXVPDS20110715_101252_20110714_194914_20110724_202248

Number	Product name	#CN0	#FPO
--------	--------------	------	------

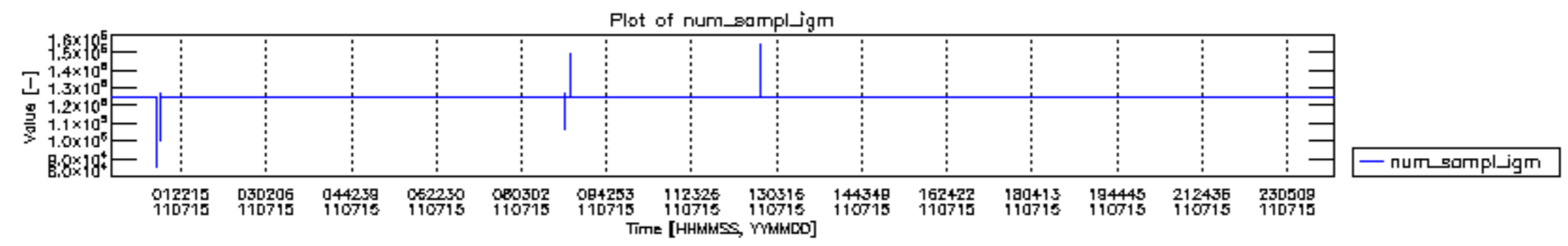
0	MIP_NL__0PNPDE20110715_003851_000057613104_00289_49010_9235.N1	0	1
1	MIP_NL__0PNPDE20110715_021318_000046593104_00290_49011_9236.N1	0	1
2	MIP_NL__0PNPDE20110715_033023_000060633104_00291_49012_9238.N1	0	1
3	MIP_NL__0PNPDE20110715_051050_000060773104_00292_49013_9239.N1	0	1
4	MIP_NL__0PNPDK20110715_065134_000040973104_00293_49014_5776.N1	0	1
5	MIP_NL__0PNPDK20110715_075907_000061023104_00294_49015_5777.N1	0	1
6	MIP_NL__0PNPDK20110715_094005_000060003104_00295_49016_5778.N1	0	2
7	MIP_NL__0PNPDK20110715_111923_000059463104_00296_49017_5779.N1	0	2
8	MIP_NL__0PNPDK20110715_125756_000059563104_00297_49018_5780.N1	0	2
9	MIP_NL__0PNPDK20110715_143630_000058583104_00298_49019_5781.N1	0	2
10	MIP_NL__0PNPDK20110715_161335_000058243104_00299_49020_5782.N1	0	2
11	MIP_NL__0PNPDK20110715_174940_000060233104_00300_49021_5783.N1	0	2
12	MIP_NL__0PNPDK20110715_192909_000061193104_00301_49022_5784.N1	0	2
13	MIP_NL__0PNPDE20110715_211010_000042073104_00302_49023_9240.N1	0	2
14	MIP_NL__0PNPDE20110715_221912_000061503104_00302_49023_9241.N1	0	2

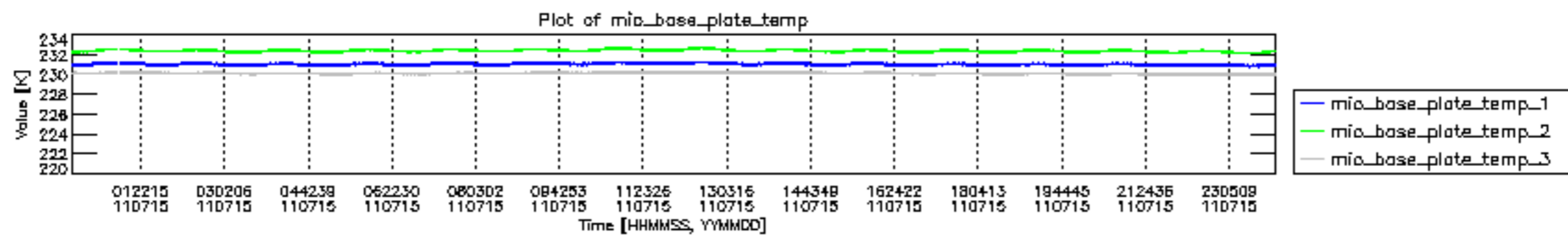


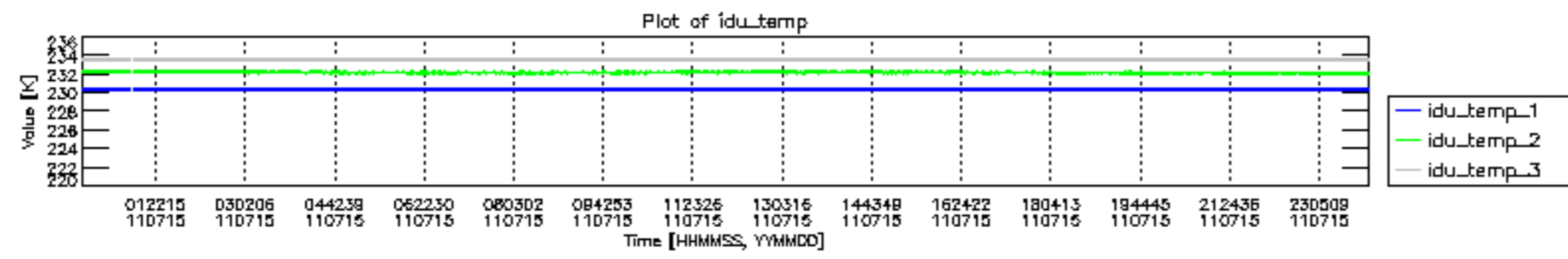
mipas_daily_report_level0_KSPT_L0_4504_N_20110715_12.PNG

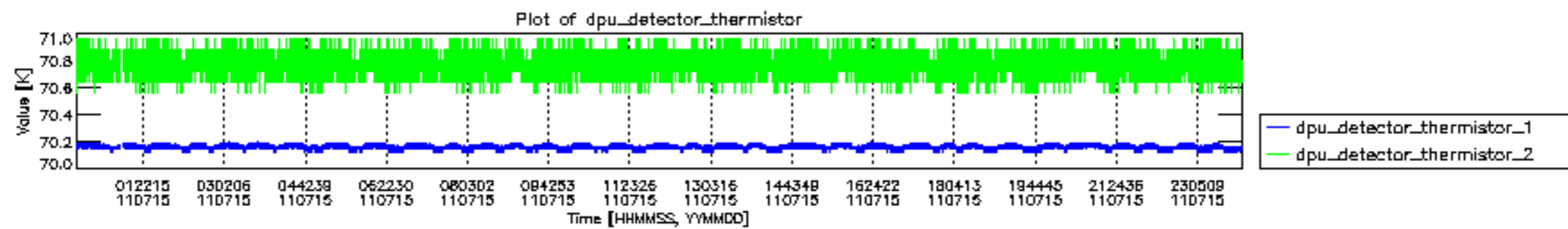


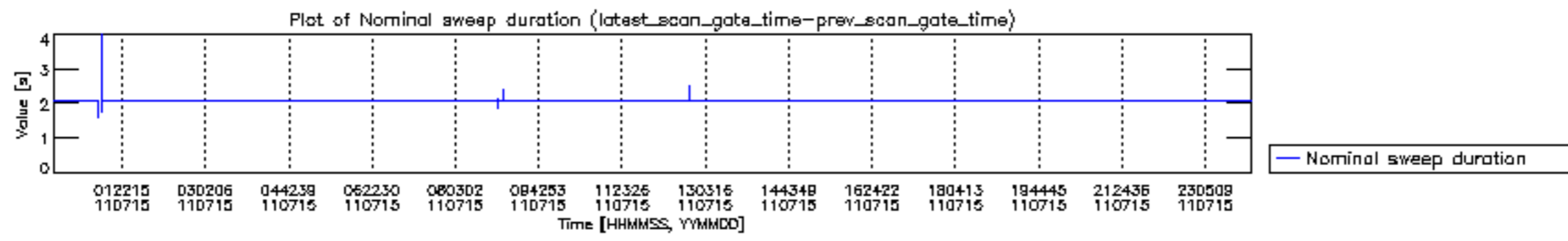
mipas_daily_report_level0_KSPT_L0_4504_N_20110715_13.PNG

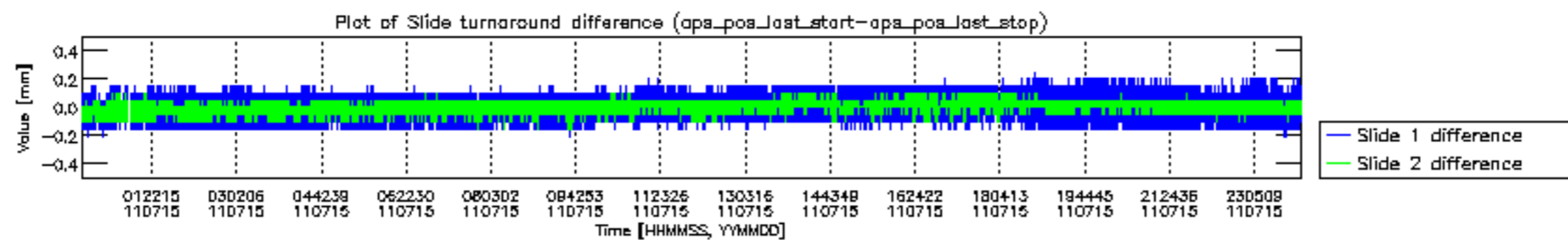


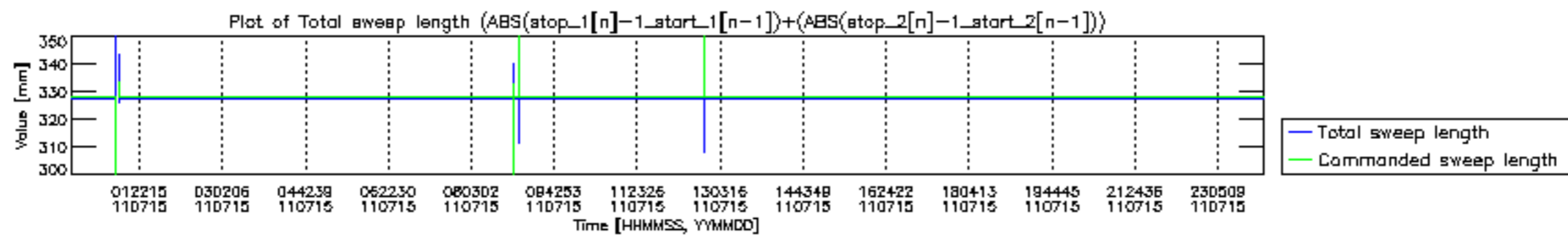


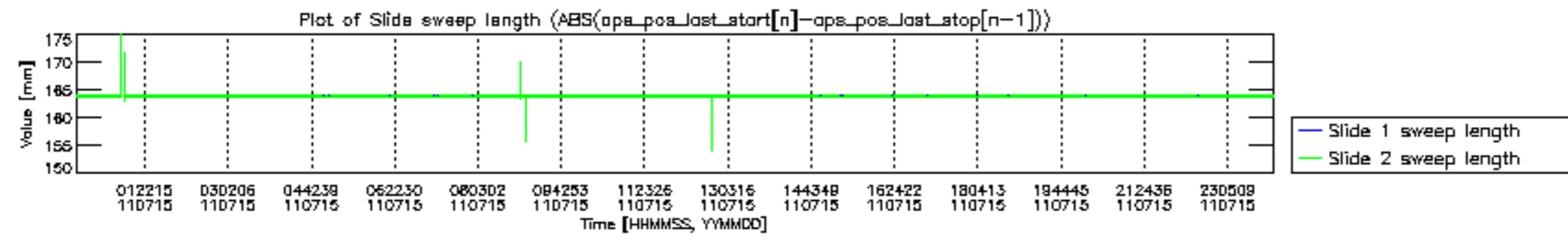


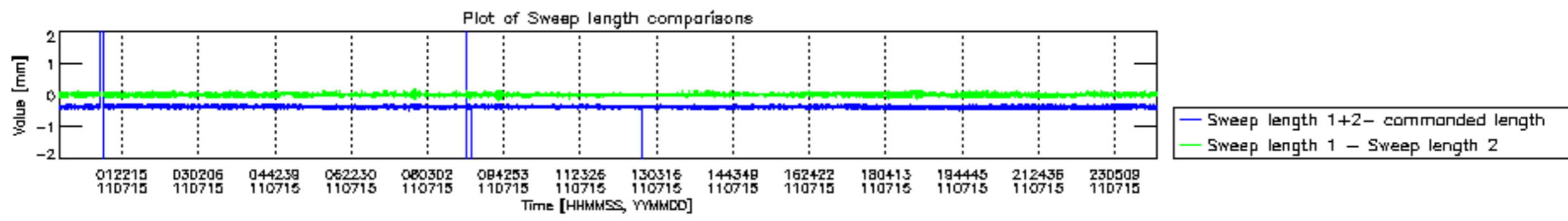


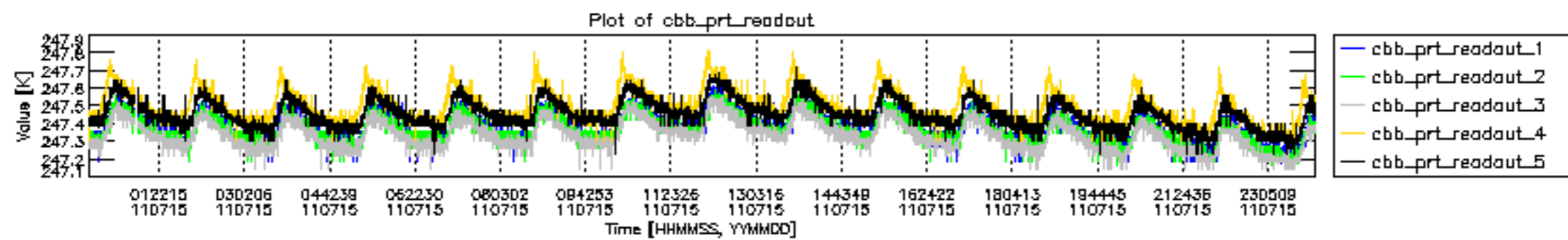


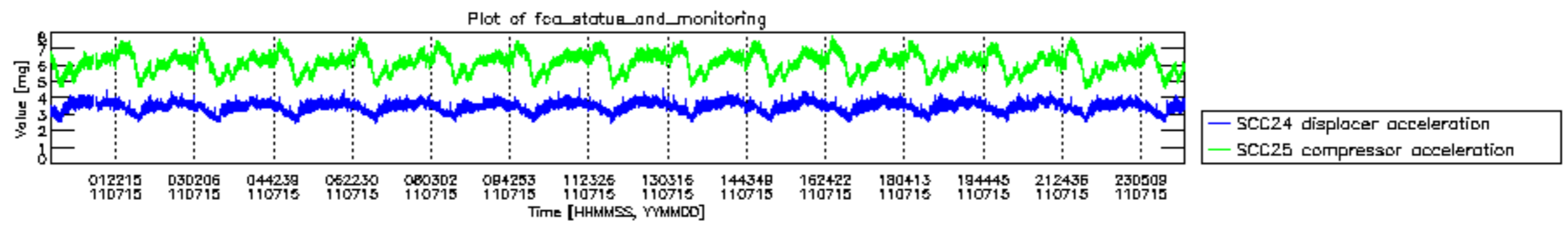












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

