

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	21JAN2011 05:23:57
Data source version	KSPT_L0/4504-N
Processing scope for products	16JAN2011 00:00:00 to 17JAN2011 00:00:00
Start time of first product within scope	16JAN2011 00:35:43
Stop time of last product within scope	17JAN2011 01:38:40
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__0PNPDE20110116_003543_000057533098_00289_46424_2723.N1	16JAN2011 00:35:43	16JAN2011 02:11:36	0	0	0	0	0
1	MIP_NL__0PNPDE20110116_021040_000045773098_00290_46425_2724.N1	16JAN2011 02:10:40	16JAN2011 03:26:57	0	0	0	0	0
2	MIP_NL__0PNPDE20110116_032623_000061823098_00291_46426_2725.N1	16JAN2011 03:26:23	16JAN2011 05:09:25	0	0	0	0	0
3	MIP_NL__0PNPDE20110116_050852_000022883098_00292_46427_2726.N1	16JAN2011 05:08:52	16JAN2011 05:47:00	0	0	0	0	0
4	MIP_NL__0PNPDK20110116_100315_000044113098_00295_46430_4034.N1	16JAN2011 10:03:15	16JAN2011 11:16:46	0	0	0	0	0
5	MIP_NL__0PNPDK20110116_111508_000060103098_00296_46431_4035.N1	16JAN2011 11:15:08	16JAN2011 12:55:18	0	0	0	0	0
6	MIP_NL__0PNPDK20110116_125338_000060023098_00297_46432_4036.N1	16JAN2011 12:53:38	16JAN2011 14:33:40	0	0	0	0	0
7	MIP_NL__0PNPDK20110116_143206_000059463098_00298_46433_4037.N1	16JAN2011 14:32:06	16JAN2011 16:11:11	0	0	0	0	0
8	MIP_NL__0PNPDK20110116_161025_000058893098_00299_46434_4038.N1	16JAN2011 16:10:25	16JAN2011 17:48:35	0	0	0	0	0
9	MIP_NL__0PNPDK20110116_174736_000058023098_00300_46435_4039.N1	16JAN2011 17:47:36	16JAN2011 19:24:18	0	0	0	0	0
10	MIP_NL__0PNPDK20110116_192317_000061613098_00301_46436_4040.N1	16JAN2011 19:23:17	16JAN2011 21:05:58	0	0	0	0	0
11	MIP_NL__0PNPDE20110116_210401_000044313098_00302_46437_2727.N1	16JAN2011 21:04:01	16JAN2011 22:17:52	0	0	0	0	0
12	MIP_NL__0PNPDE20110116_221637_000061363098_00302_46437_2728.N1	16JAN2011 22:16:37	16JAN2011 23:58:53	0	0	0	0	0
13	MIP_NL__0PNPDE20110116_235759_000060423098_00303_46438_2729.N1	16JAN2011 23:57:59	17JAN2011 01:38:40	0	0	0	0	0

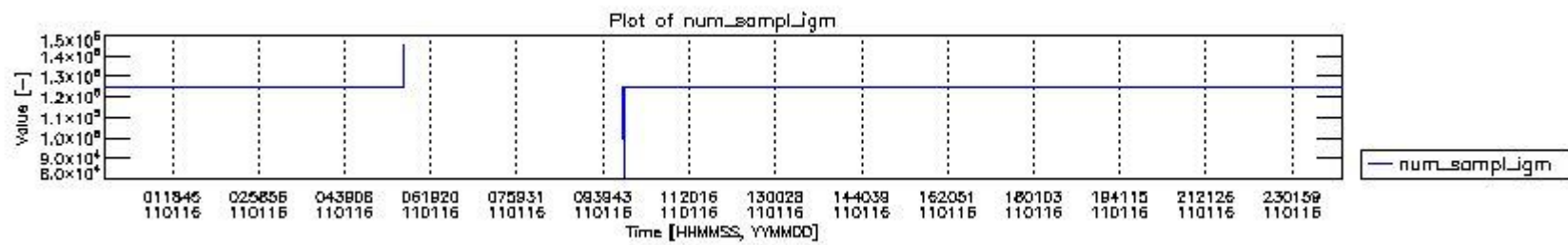
0.2 Instrument Operational Performance Parameters

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.

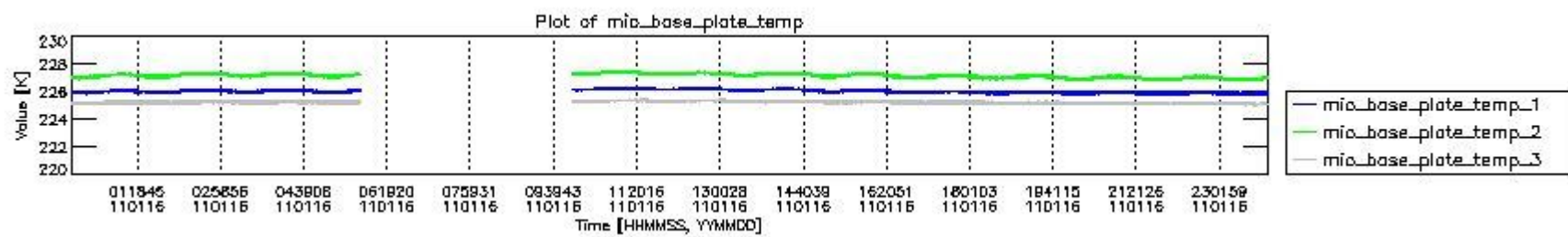
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
80662	1	0.0029136680
92665	1	0.0029136680
99145	1	0.0029136680
112797	1	0.0029136680

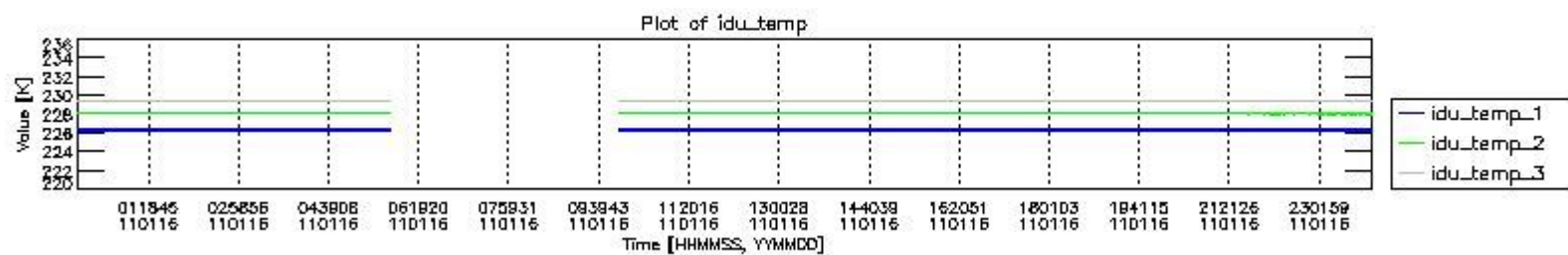
123994	1	0.0029136680
124397	1	0.0029136680
124800	31866	92.846945
124803	2446	7.1268320
124929	1	0.0029136680
145061	1	0.0029136680
145190	1	0.0029136680



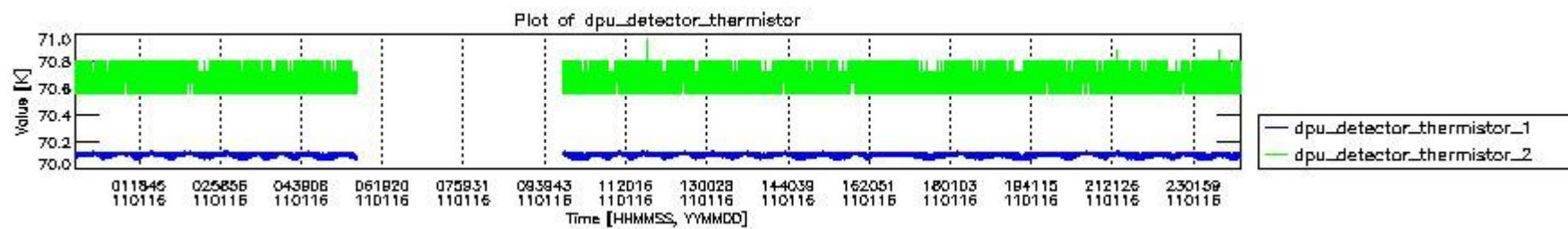
mipas_daily_report_level0_KSPT_L0_4504_N_20110116_0.PNG



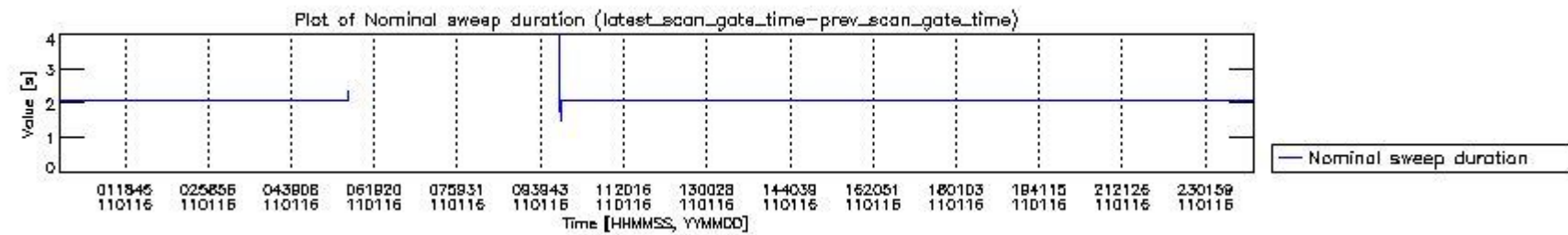
mipas_daily_report_level0_KSPT_L0_4504_N_20110116_1.PNG



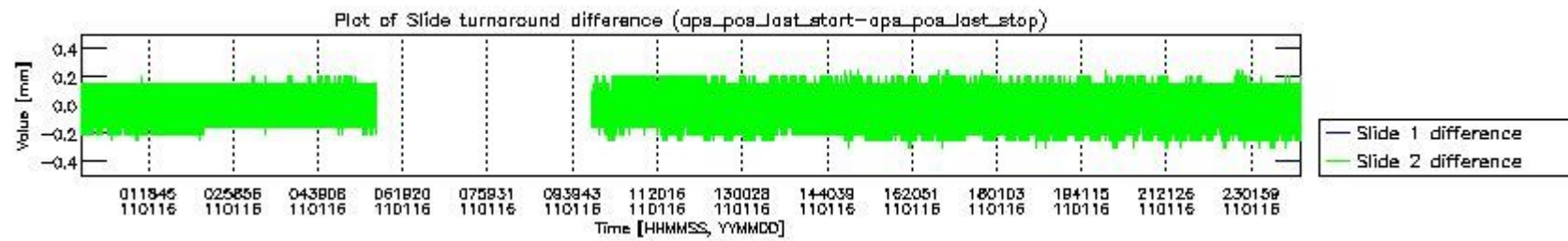
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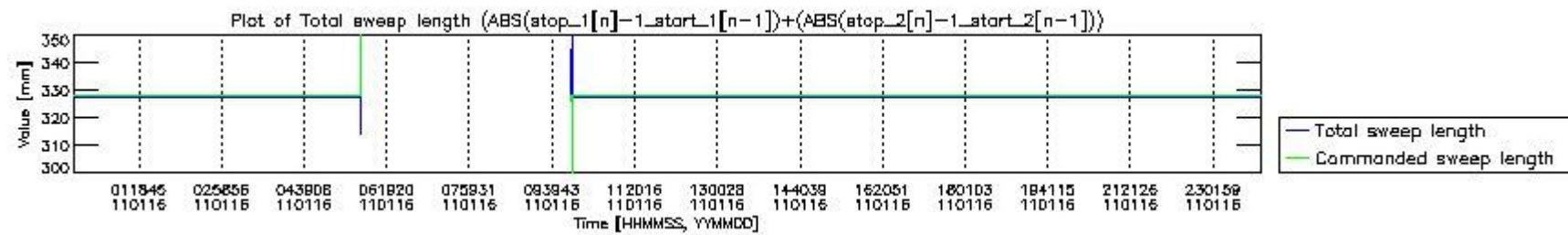
mipas_daily_report_level0_KSPT_L0_4504_N_20110116_3.PNG



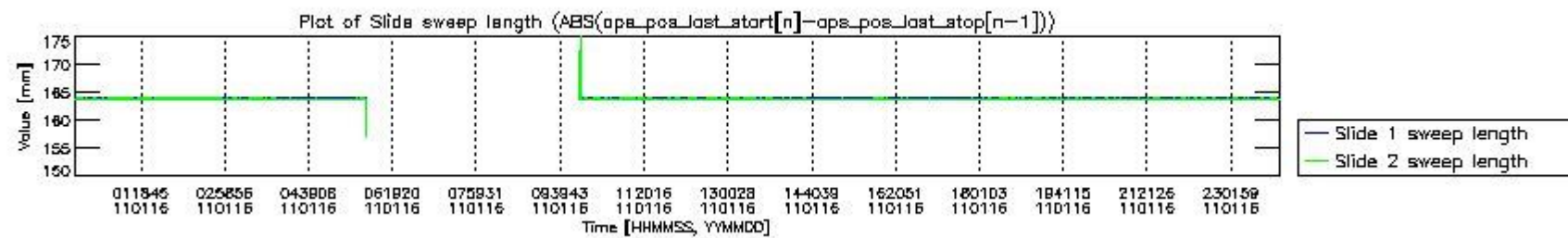
mipas_daily_report_level0_KSPT_L0_4504_N_20110116_4.PNG



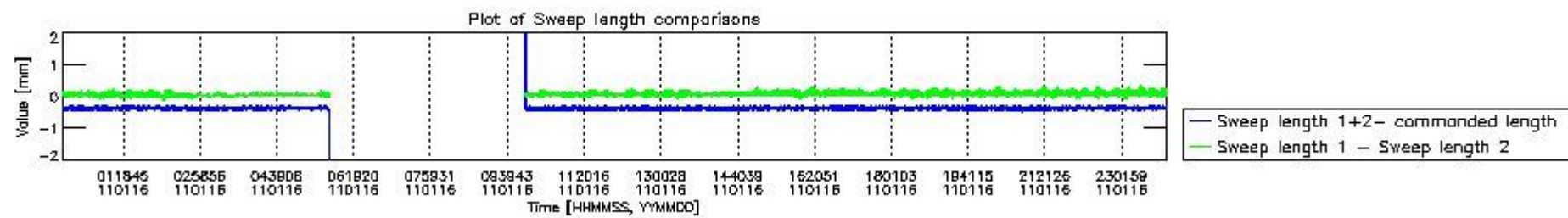
mipas_daily_report_level0_KSPT_L0_4504_N_20110116_5.PNG



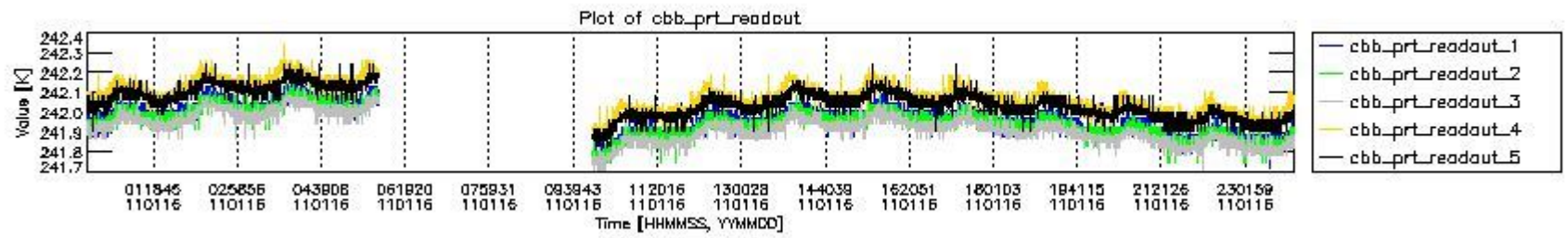
mipas_daily_report_level0_KSPT_L0_4504_N_20110116_6.PNG



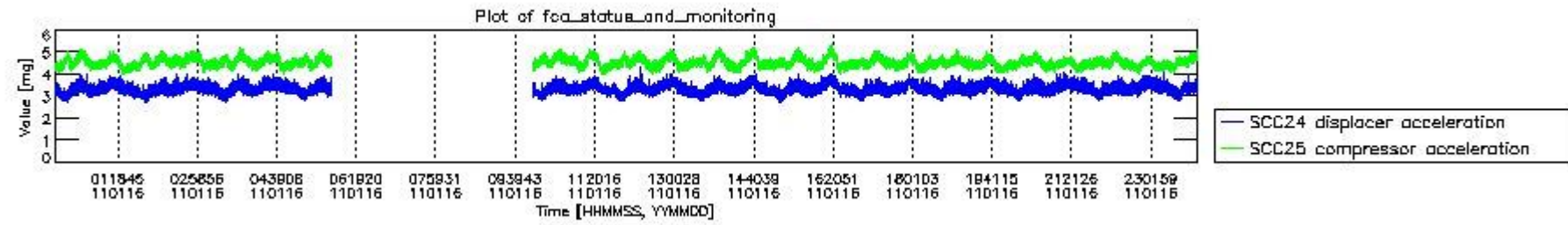
mipas_daily_report_level0_KSPT_L0_4504_N_20110116_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110116_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110116_9.PNG

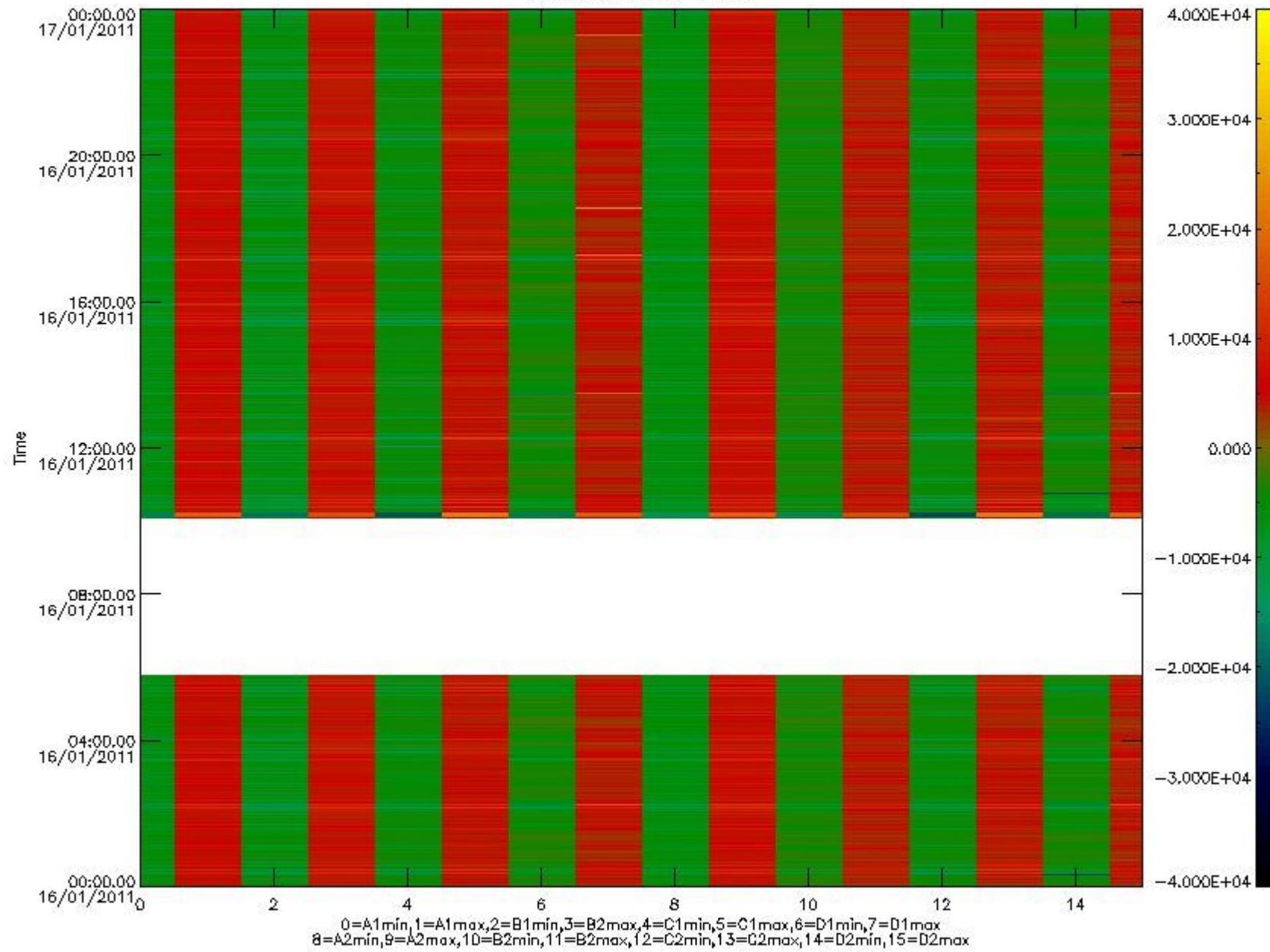


mipas_daily_report_level0_KSPT_L0_4504_N_20110116_10.PNG

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

Channel	Min	Max	ADC
A1	-32768	32767	16bit
B1	-32768	32767	16bit
C1	-23737	22150	16bit
D1	-32768	32767	16bit
A2	-32768	28637	16bit
B2	-32768	32767	16bit
C2	-23145	23793	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_20110116_11.PNG

0.3 ADF monitoring

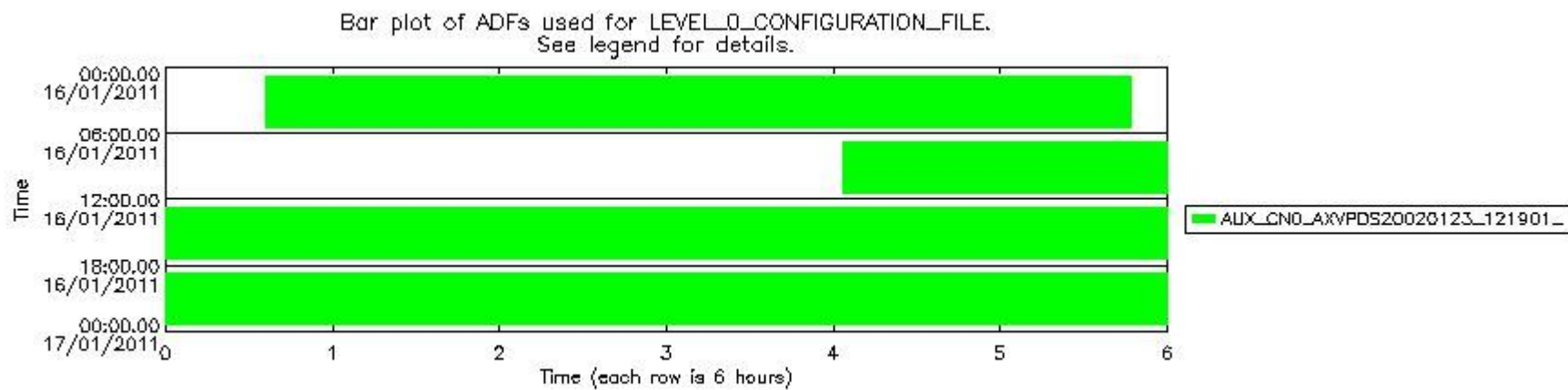
The use of ADFs is shown in two ways:

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.

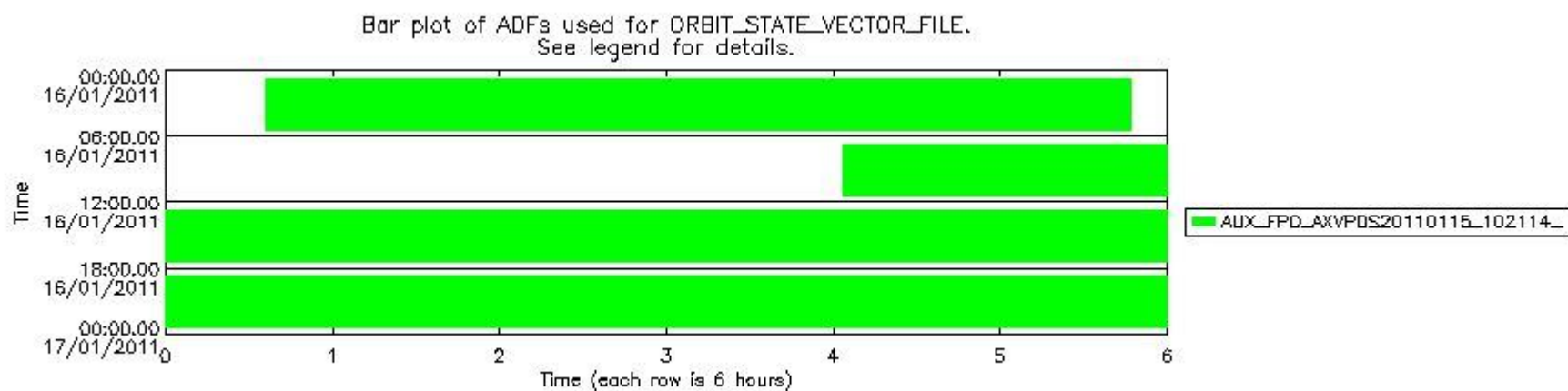
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110115_102114_20110114_184234_20110124_205626

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110116_003543_000057533098_00289_46424_2723.N1	0	1

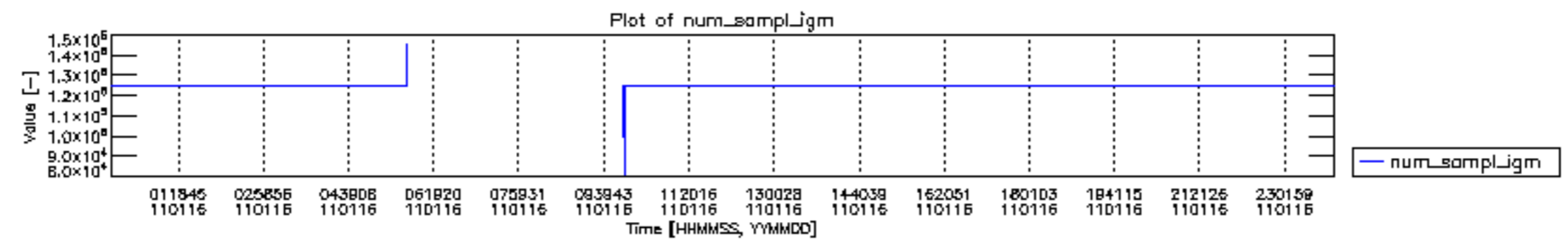
1	MIP_NL__0PNPDE20110116_021040_000045773098_00290_46425_2724.N1	0	1
2	MIP_NL__0PNPDE20110116_032623_000061823098_00291_46426_2725.N1	0	1
3	MIP_NL__0PNPDE20110116_050852_000022883098_00292_46427_2726.N1	0	1
4	MIP_NL__0PNPDK20110116_100315_000044113098_00295_46430_4034.N1	0	1
5	MIP_NL__0PNPDK20110116_111508_000060103098_00296_46431_4035.N1	0	1
6	MIP_NL__0PNPDK20110116_125338_000060023098_00297_46432_4036.N1	0	1
7	MIP_NL__0PNPDK20110116_143206_000059463098_00298_46433_4037.N1	0	1
8	MIP_NL__0PNPDK20110116_161025_000058893098_00299_46434_4038.N1	0	1
9	MIP_NL__0PNPDK20110116_174736_000058023098_00300_46435_4039.N1	0	1
10	MIP_NL__0PNPDK20110116_192317_000061613098_00301_46436_4040.N1	0	1
11	MIP_NL__0PNPDE20110116_210401_000044313098_00302_46437_2727.N1	0	1
12	MIP_NL__0PNPDE20110116_221637_000061363098_00302_46437_2728.N1	0	1
13	MIP_NL__0PNPDE20110116_235759_000060423098_00303_46438_2729.N1	0	1

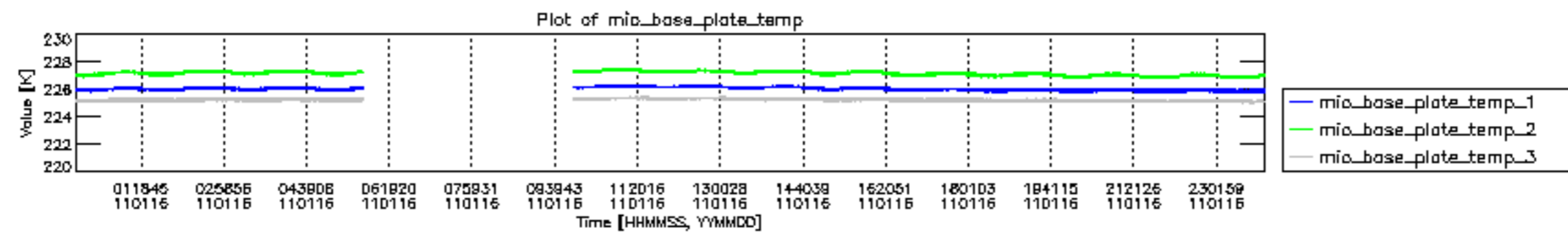


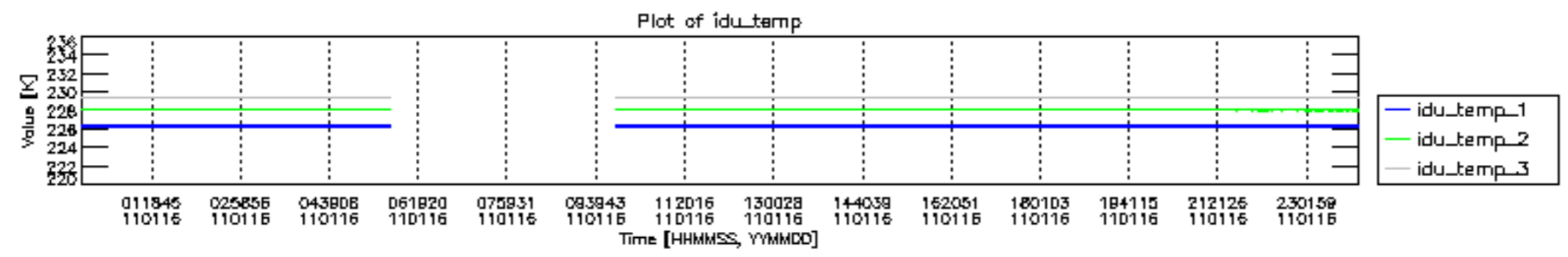
mipas_daily_report_level0_KSPT_L0_4504_N_20110116_12.PNG

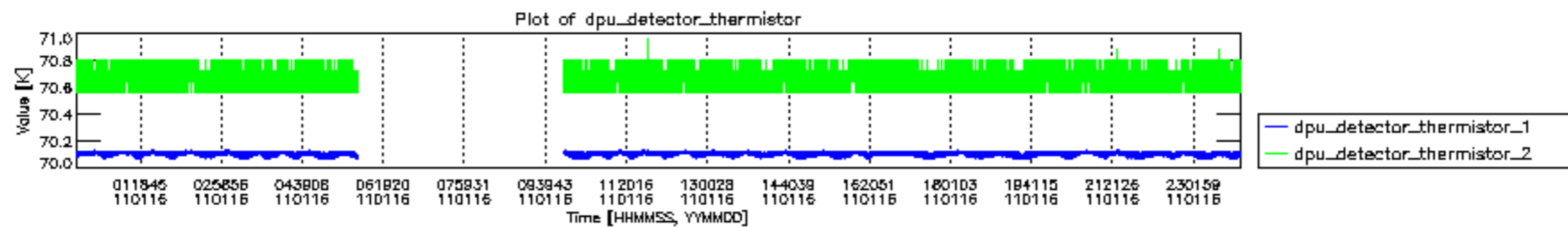


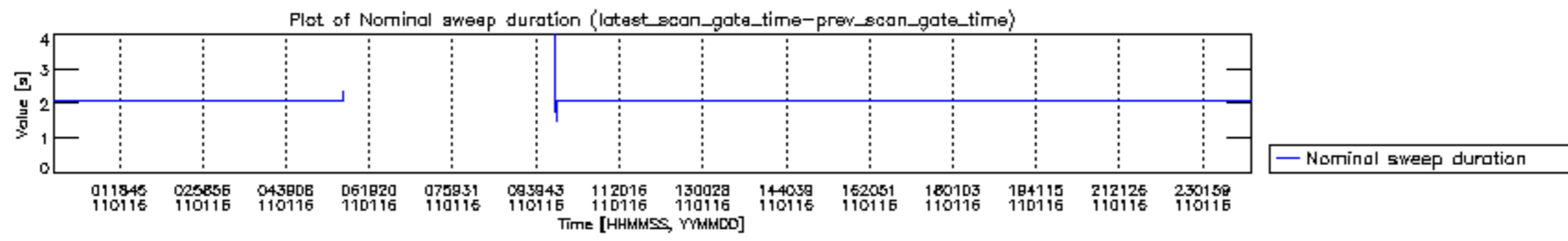
mipas_daily_report_level0_KSPT_L0_4504_N_20110116_13.PNG

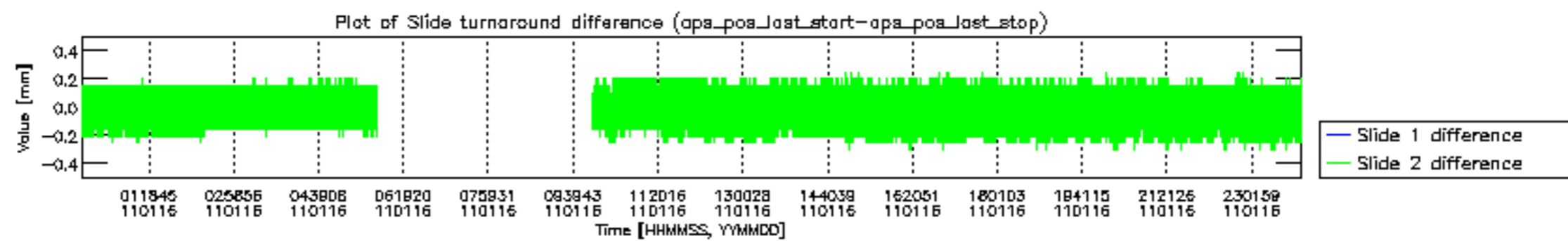


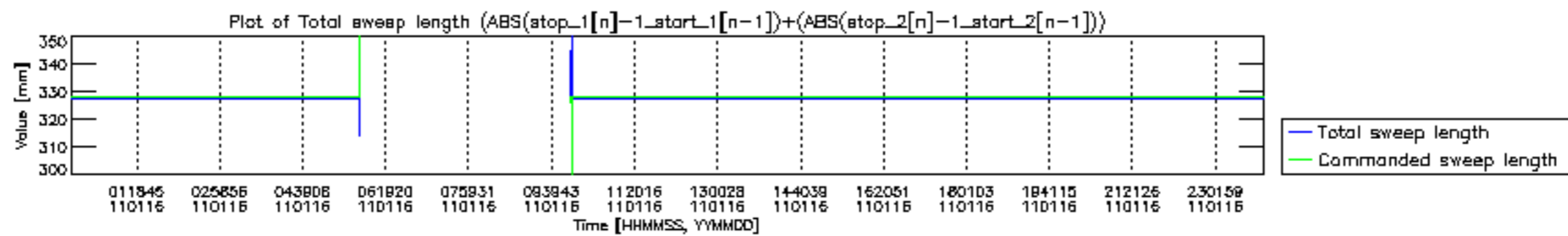


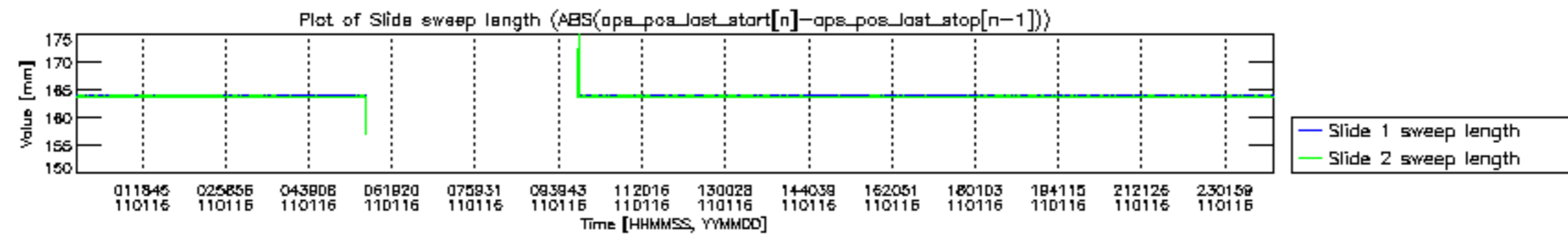


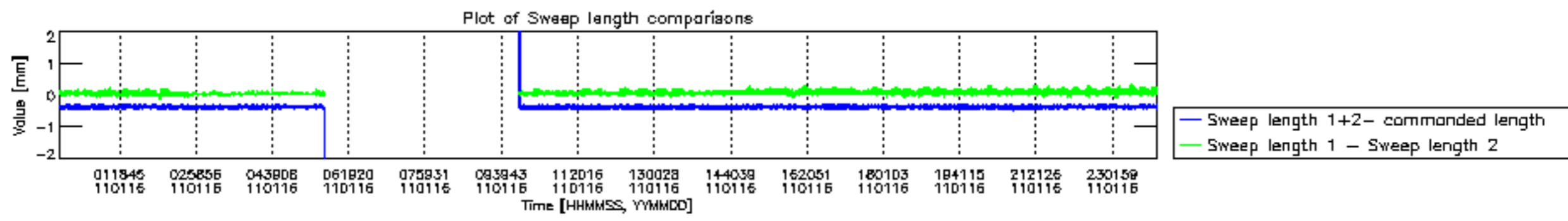


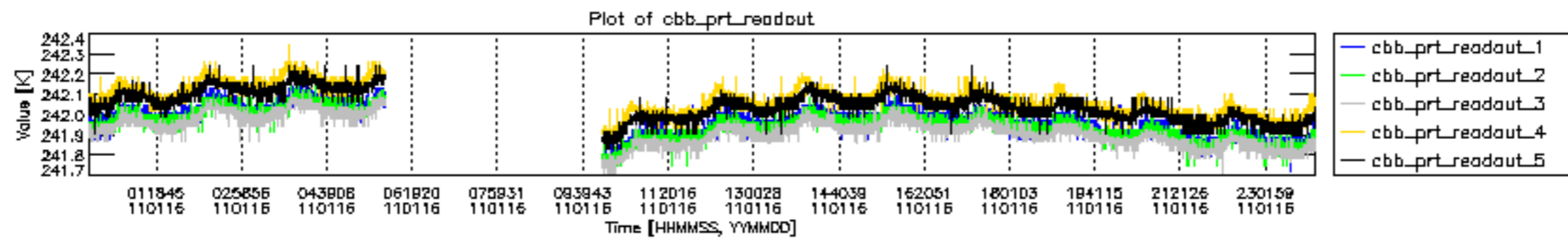


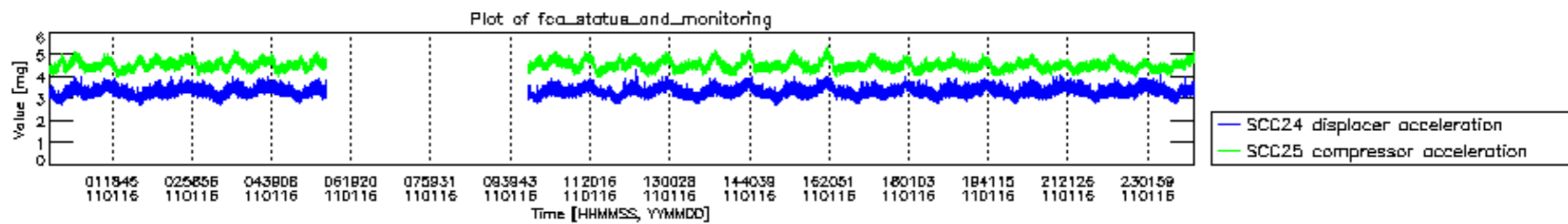












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

