

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	07MAY2011 05:23:25
Data source version	KSPT_L0/4504-N
Processing scope for products	02MAY2011 00:00:00 to 03MAY2011 00:00:00
Start time of first product within scope	02MAY2011 00:51:16
Stop time of last product within scope	03MAY2011 00:14:32
Total number of level 0 products	15
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__0PNPDE20110502_005116_000057493102_00088_47947_3554.N1	02MAY2011 00:51:16	02MAY2011 02:27:05	0	0	0	0	0
1	MIP_NL__0PNPDE20110502_022609_000045693102_00089_47948_3555.N1	02MAY2011 02:26:09	02MAY2011 03:42:18	0	0	0	0	0
2	MIP_NL__0PNPDE20110502_034146_000061433102_00090_47949_3556.N1	02MAY2011 03:41:46	02MAY2011 05:24:09	0	0	0	0	0
3	MIP_NL__0PNPDE20110502_052336_000060523102_00091_47950_3557.N1	02MAY2011 05:23:36	02MAY2011 07:04:28	0	0	0	0	0
4	MIP_NL__0PNPDK20110502_070354_000040973102_00092_47951_5014.N1	02MAY2011 07:03:54	02MAY2011 08:12:11	0	0	0	0	0
5	MIP_NL__0PNPDK20110502_081138_000061083102_00093_47952_5015.N1	02MAY2011 08:11:38	02MAY2011 09:53:26	0	0	0	0	0
6	MIP_NL__0PNPDK20110502_095242_000059773102_00094_47953_5016.N1	02MAY2011 09:52:42	02MAY2011 11:32:19	0	0	0	0	0
7	MIP_NL__0PNPDK20110502_113137_000059663102_00095_47954_5017.N1	02MAY2011 11:31:37	02MAY2011 13:11:04	0	0	0	0	0
8	MIP_NL__0PNPDK20110502_131032_000059253102_00096_47955_5018.N1	02MAY2011 13:10:32	02MAY2011 14:49:17	0	0	0	0	0
9	MIP_NL__0PNPDK20110502_144833_000057953102_00097_47956_5019.N1	02MAY2011 14:48:33	02MAY2011 16:25:08	0	0	0	0	0
10	MIP_NL__0PNPDK20110502_162351_000059393102_00098_47957_5020.N1	02MAY2011 16:23:51	02MAY2011 18:02:50	0	0	0	0	0
11	MIP_NL__0PNPDK20110502_180157_000060003102_00099_47958_5021.N1	02MAY2011 18:01:57	02MAY2011 19:41:57	0	0	0	0	0
12	MIP_NL__0PNPDE20110502_194021_000041553102_00100_47959_3558.N1	02MAY2011 19:40:21	02MAY2011 20:49:36	0	0	0	0	0
13	MIP_NL__0PNPDE20110502_204844_000063053102_00100_47959_3559.N1	02MAY2011 20:48:44	02MAY2011 22:33:49	0	0	0	0	0
14	MIP_NL__0PNPDE20110502_223248_000061043102_00101_47960_3560.N1	02MAY2011 22:32:48	03MAY2011 00:14:32	0	0	0	0	0

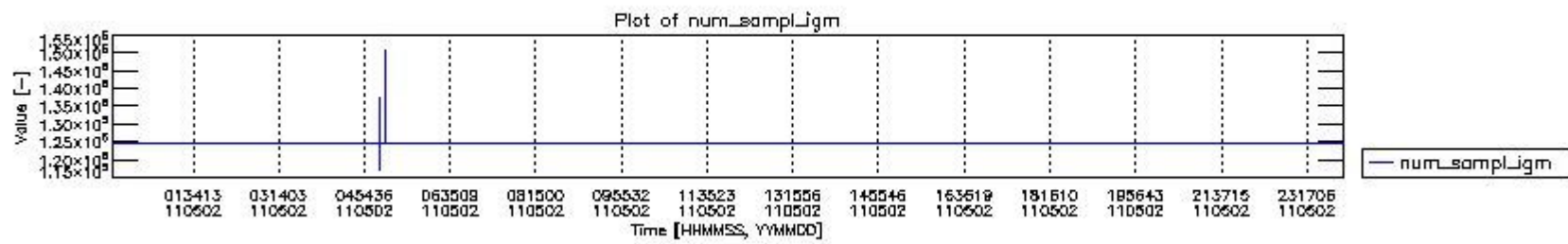
0.2 Instrument Operational Performance Parameters

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.

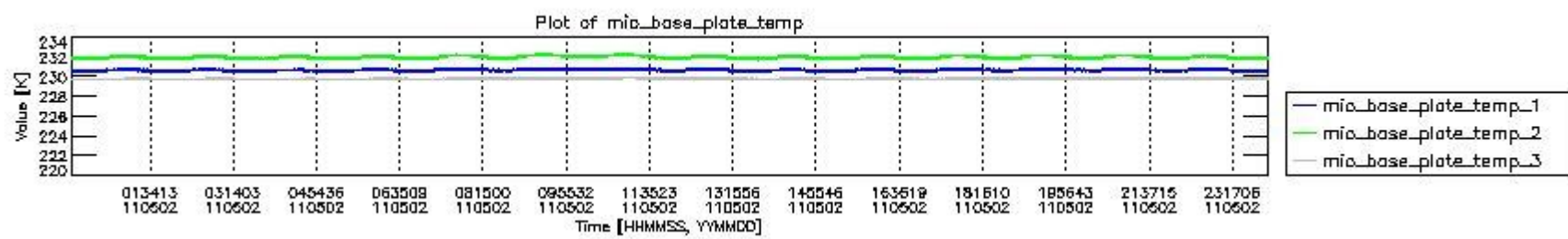
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
117049	1	0.0024021716
124800	38671	92.894377
124803	2952	7.0912105

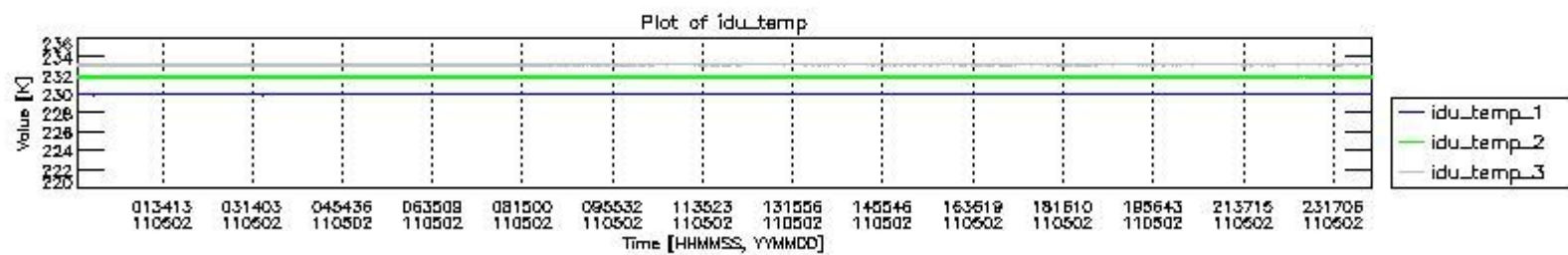
127605	1	0.0024021716
129430	1	0.0024021716
137181	1	0.0024021716
147737	1	0.0024021716
150542	1	0.0024021716



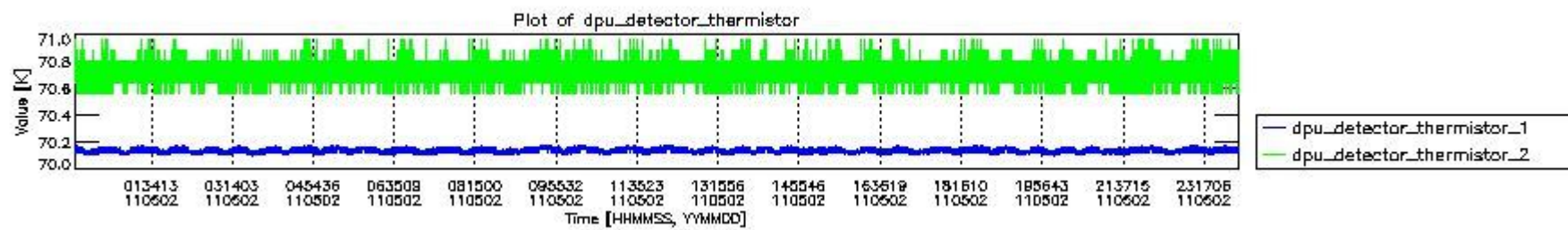
mipas_daily_report_level0_KSPT_L0_4504_N_20110502_0.PNG



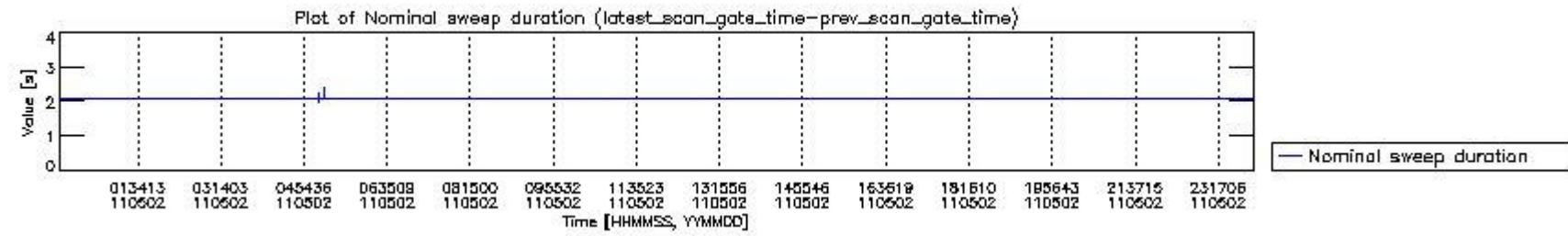
mipas_daily_report_level0_KSPT_L0_4504_N_20110502_1.PNG



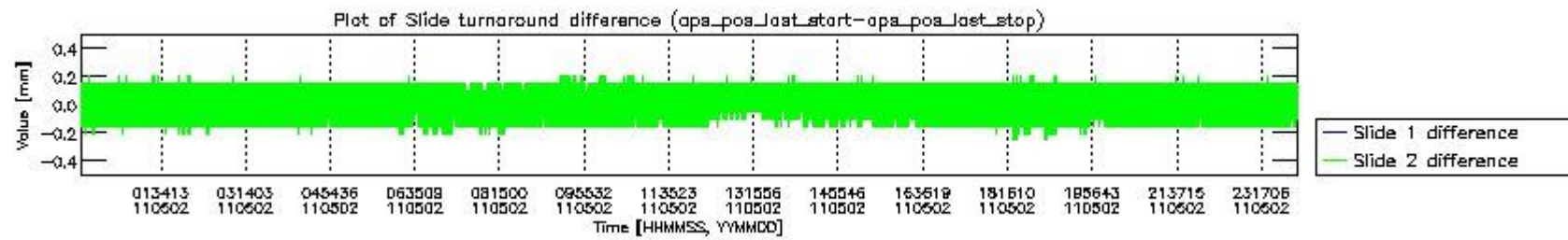
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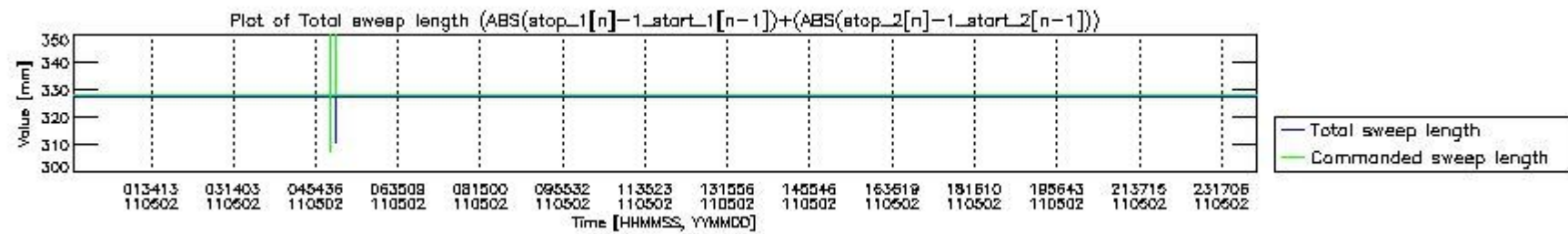
mipas_daily_report_level0_KSPT_L0_4504_N_20110502_3.PNG



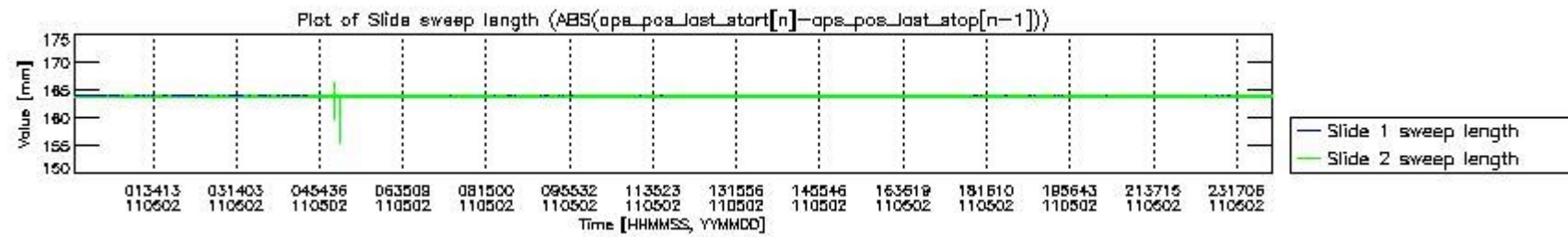
mipas_daily_report_level0_KSPT_L0_4504_N_20110502_4.PNG



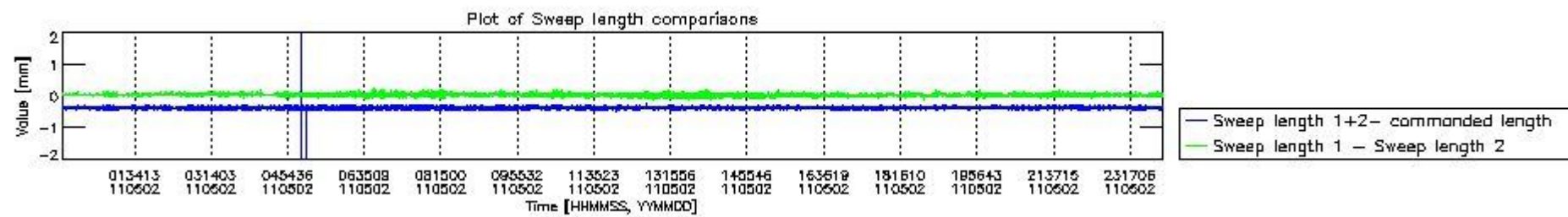
mipas_daily_report_level0_KSPT_L0_4504_N_20110502_5.PNG



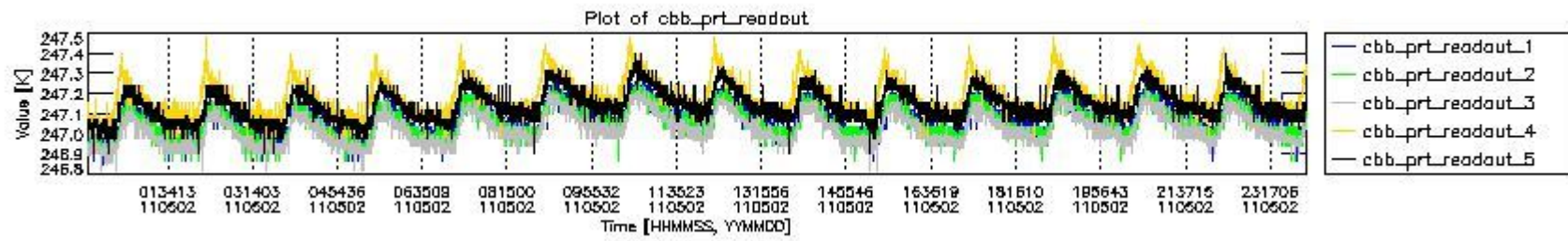
mipas_daily_report_level0_KSPT_L0_4504_N_20110502_6.PNG



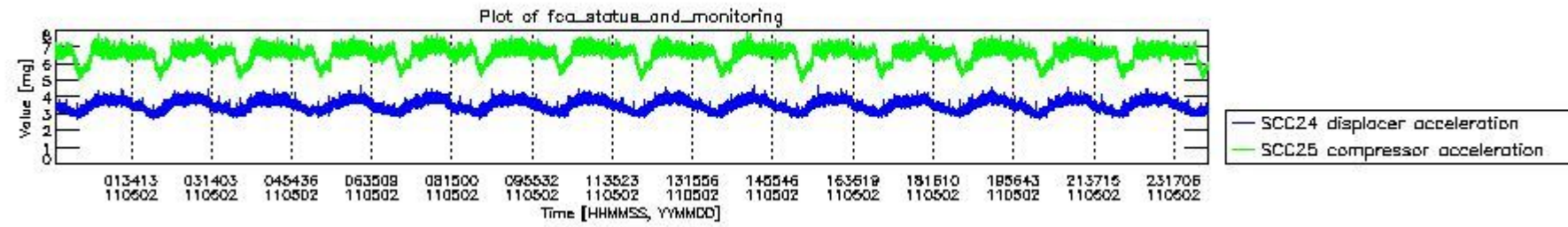
mipas_daily_report_level0_KSPT_L0_4504_N_20110502_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110502_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110502_9.PNG

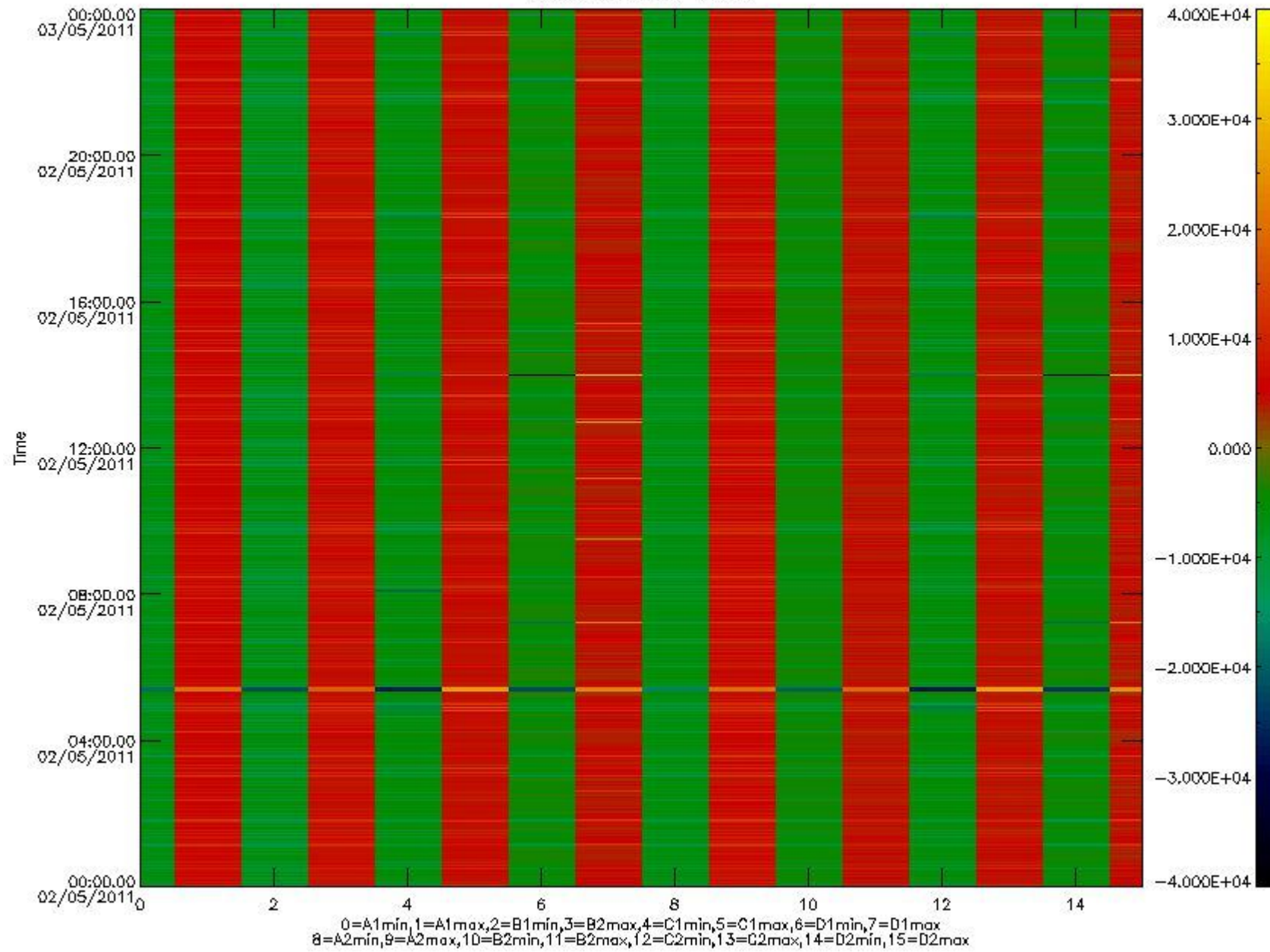


mipas_daily_report_level0_KSPT_L0_4504_N_20110502_10.PNG

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

Channel	Min	Max	ADC
A1	-19135	20573	16bit
B1	-22165	18717	16bit
C1	-27144	27130	16bit
D1	-32768	32767	16bit
A2	-16477	20722	16bit
B2	-20512	19738	16bit
C2	-28206	27909	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_20110502_11.PNG

0.3 ADF monitoring

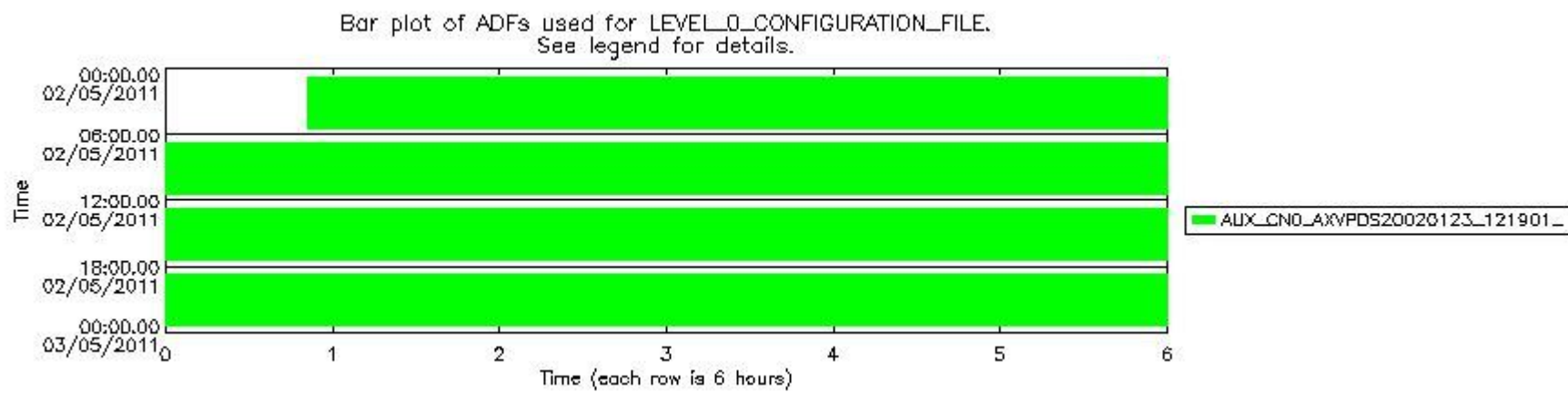
The use of ADFs is shown in two ways:

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.

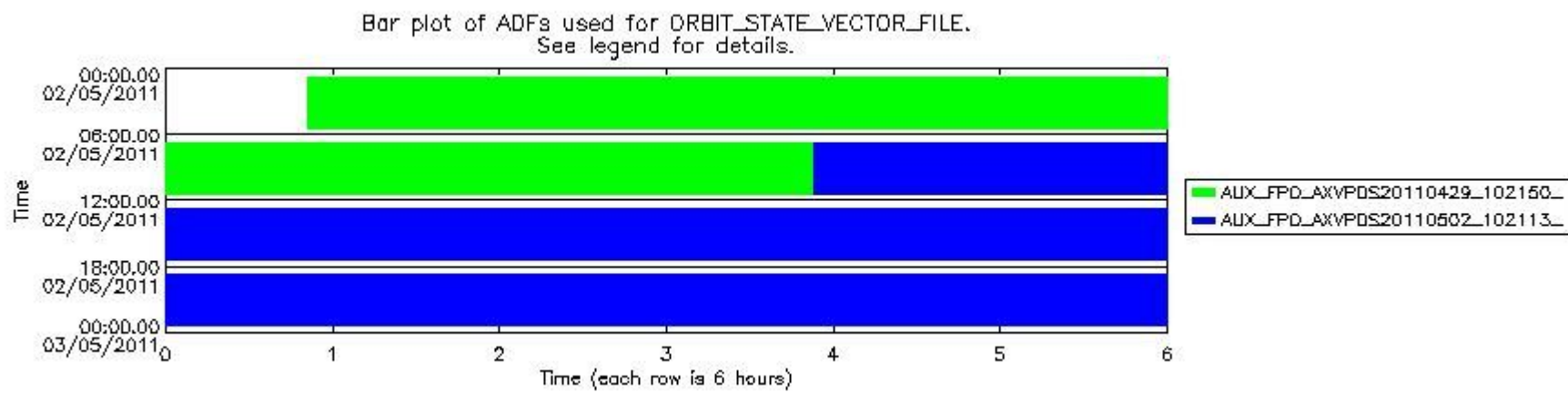
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110429_102150_20110428_183112_20110508_204459
2	AUX_FPO_AXVPDS20110502_102113_20110430_185757_20110510_211146

Number	Product name	#CN0	#FPO
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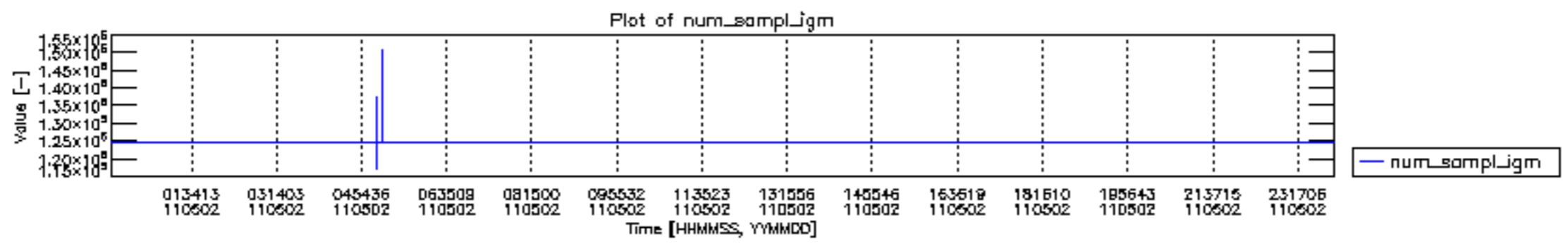
0	MIP_NL__0PNPDE20110502_005116_000057493102_00088_47947_3554.N1	0	1
1	MIP_NL__0PNPDE20110502_022609_000045693102_00089_47948_3555.N1	0	1
2	MIP_NL__0PNPDE20110502_034146_000061433102_00090_47949_3556.N1	0	1
3	MIP_NL__0PNPDE20110502_052336_000060523102_00091_47950_3557.N1	0	1
4	MIP_NL__0PNPDK20110502_070354_000040973102_00092_47951_5014.N1	0	1
5	MIP_NL__0PNPDK20110502_081138_000061083102_00093_47952_5015.N1	0	1
6	MIP_NL__0PNPDK20110502_095242_000059773102_00094_47953_5016.N1	0	2
7	MIP_NL__0PNPDK20110502_113137_000059663102_00095_47954_5017.N1	0	2
8	MIP_NL__0PNPDK20110502_131032_000059253102_00096_47955_5018.N1	0	2
9	MIP_NL__0PNPDK20110502_144833_000057953102_00097_47956_5019.N1	0	2
10	MIP_NL__0PNPDK20110502_162351_000059393102_00098_47957_5020.N1	0	2
11	MIP_NL__0PNPDK20110502_180157_000060003102_00099_47958_5021.N1	0	2
12	MIP_NL__0PNPDE20110502_194021_000041553102_00100_47959_3558.N1	0	2
13	MIP_NL__0PNPDE20110502_204844_000063053102_00100_47959_3559.N1	0	2
14	MIP_NL__0PNPDE20110502_223248_000061043102_00101_47960_3560.N1	0	2

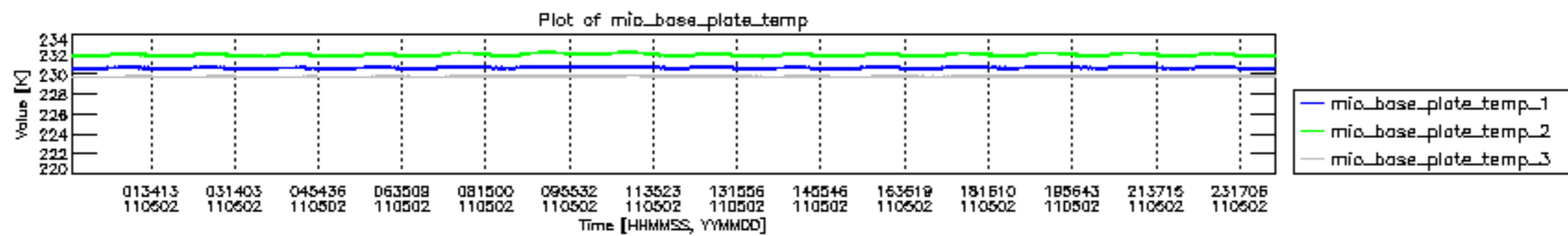


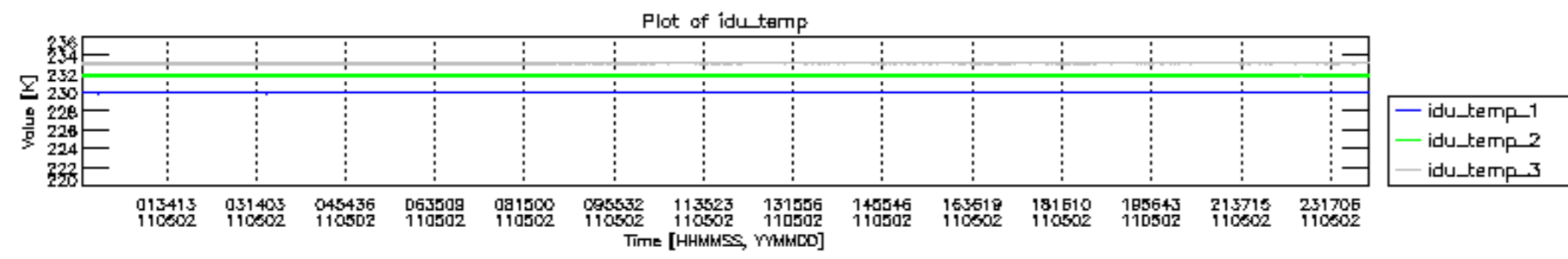
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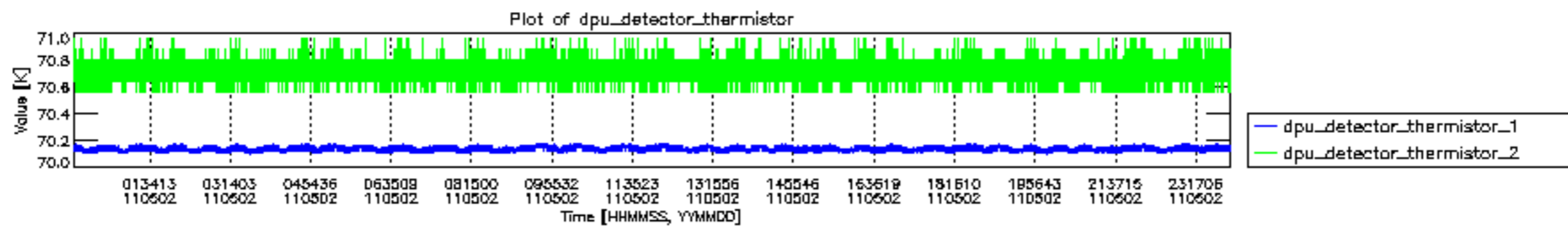


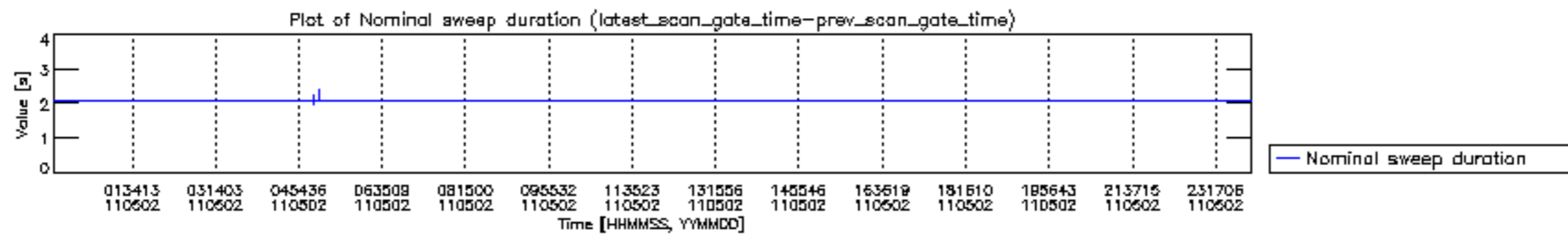
mipas_daily_report_level0_KSPT_L0_4504_N_20110502_13.PNG

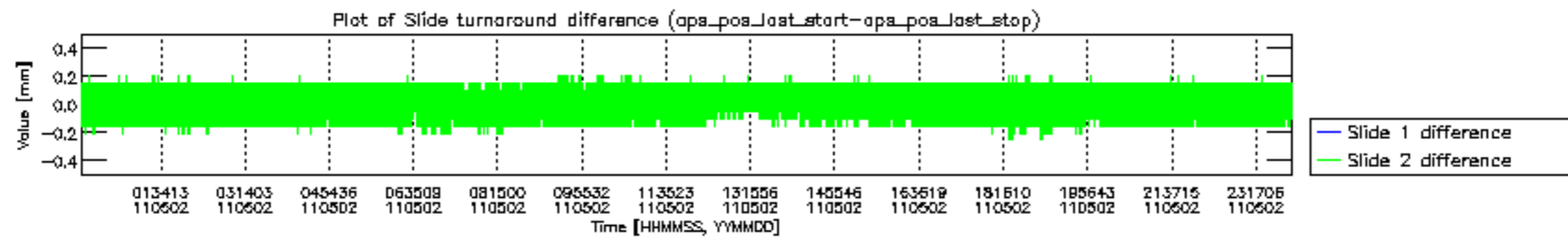


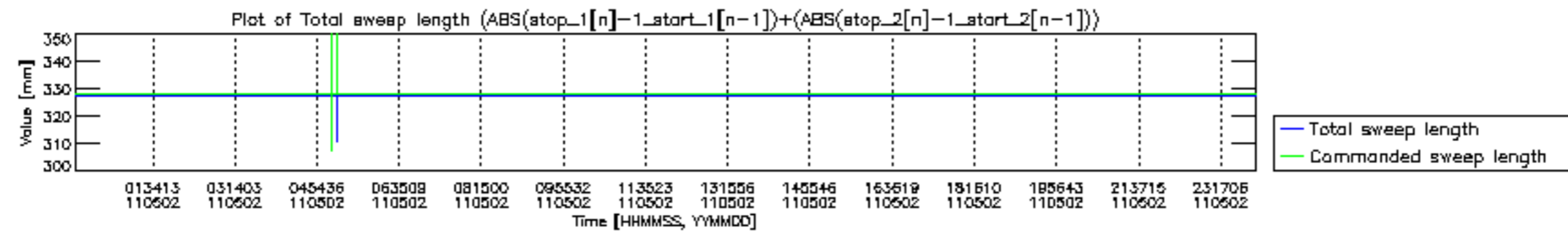


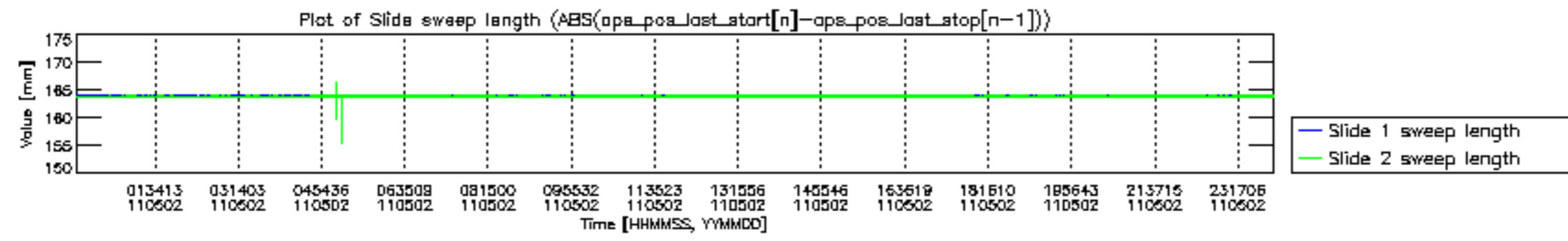


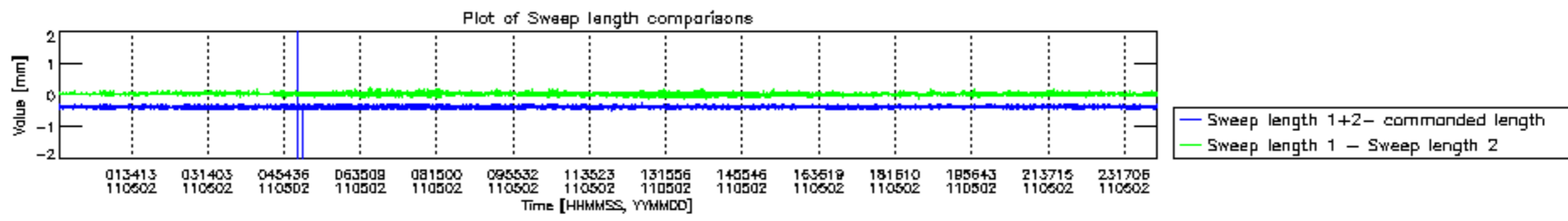


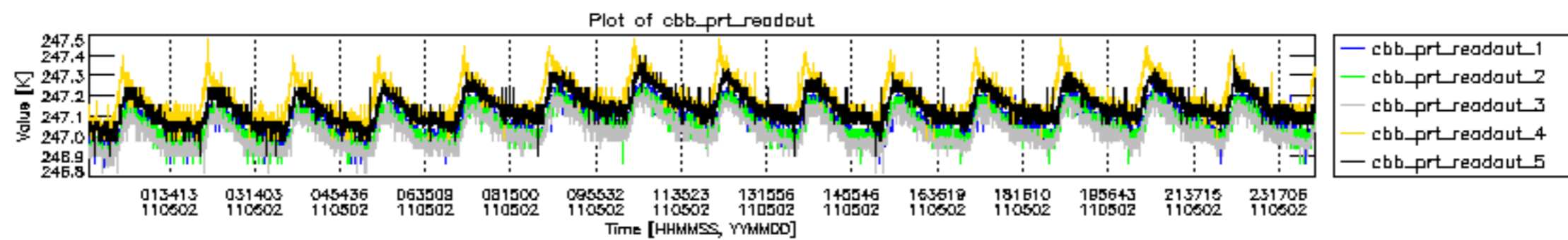


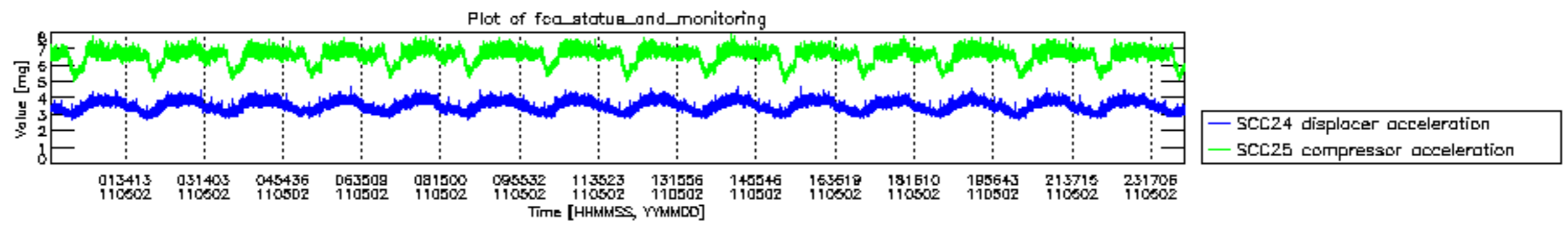












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

