

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	07APR2011 05:21:59
Data source version	KSPT_L0/4504-N
Processing scope for products	02APR2011 00:00:00 to 03APR2011 00:00:00
Start time of first product within scope	02APR2011 00:49:53
Stop time of last product within scope	03APR2011 00:13:33
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__OPNPDE20110402_004953_000058683101_00088_47516_3351.N1	02APR2011 00:49:53	02APR2011 02:27:41	0	0	0	0	0
1	MIP_NL__OPNPDE20110402_022642_000045063101_00089_47517_3352.N1	02APR2011 02:26:42	02APR2011 03:41:48	0	0	0	0	0
2	MIP_NL__OPNPDE20110402_034115_000061813101_00090_47518_3353.N1	02APR2011 03:41:15	02APR2011 05:24:16	0	0	0	0	0
3	MIP_NL__OPNPDE20110402_052342_000060393101_00091_47519_3354.N1	02APR2011 05:23:42	02APR2011 07:04:22	0	0	0	0	0
4	MIP_NL__OPNPDK20110402_070348_000040153101_00092_47520_4734.N1	02APR2011 07:03:48	02APR2011 08:10:43	0	0	0	0	0
5	MIP_NL__OPNPDK20110402_081010_000061193101_00093_47521_4735.N1	02APR2011 08:10:10	02APR2011 09:52:09	0	0	0	0	0
6	MIP_NL__OPNPDK20110402_095127_000059893101_00094_47522_4736.N1	02APR2011 09:51:27	02APR2011 11:31:16	0	0	0	0	0
7	MIP_NL__OPNPDK20110402_113035_000059913101_00095_47523_4737.N1	02APR2011 11:30:35	02APR2011 13:10:26	0	0	0	0	0
8	MIP_NL__OPNPDK20110402_130955_000047023101_00096_47524_4738.N1	02APR2011 13:09:55	02APR2011 14:28:17	1	1	0	0	0
9	MIP_NL__OPNPDK20110402_142817_000010843101_00097_47525_4740.N1	02APR2011 14:28:17	02APR2011 14:46:21	0	0	0	0	0
10	MIP_NL__OPNPDK20110402_144445_000059413101_00097_47525_4741.N1	02APR2011 14:44:45	02APR2011 16:23:46	0	0	0	0	0
11	MIP_NL__OPNPDK20110402_162250_000059563101_00098_47526_4742.N1	02APR2011 16:22:50	02APR2011 18:02:05	0	0	0	0	0
12	MIP_NL__OPNPDK20110402_180105_000060923101_00099_47527_4743.N1	02APR2011 18:01:05	02APR2011 19:42:36	0	0	0	0	0
13	MIP_NL__OPNPDE20110402_194056_000040443101_00100_47528_3355.N1	02APR2011 19:40:56	02APR2011 20:48:20	0	0	0	0	0
14	MIP_NL__OPNPDE20110402_204714_000064383101_00100_47528_3356.N1	02APR2011 20:47:14	02APR2011 22:34:32	0	0	0	0	0
15	MIP_NL__OPNPDE20110402_223327_000060063101_00101_47529_3357.N1	02APR2011 22:33:27	03APR2011 00:13:33	0	0	0	0	0

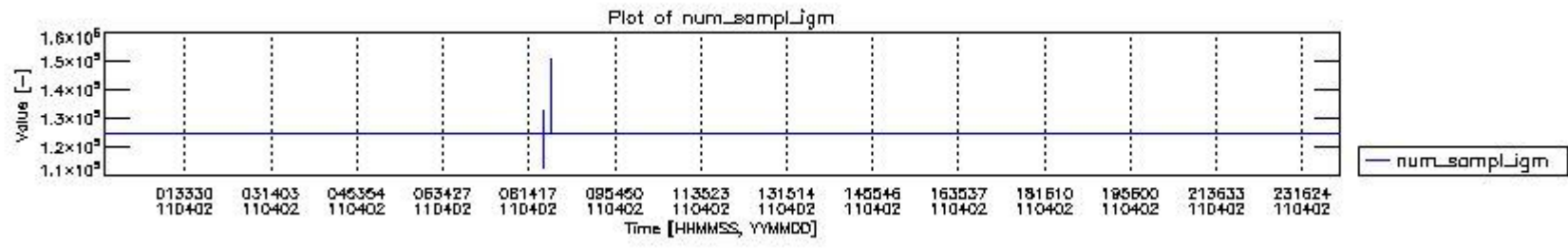
0.2 Instrument Operational Performance Parameters

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.

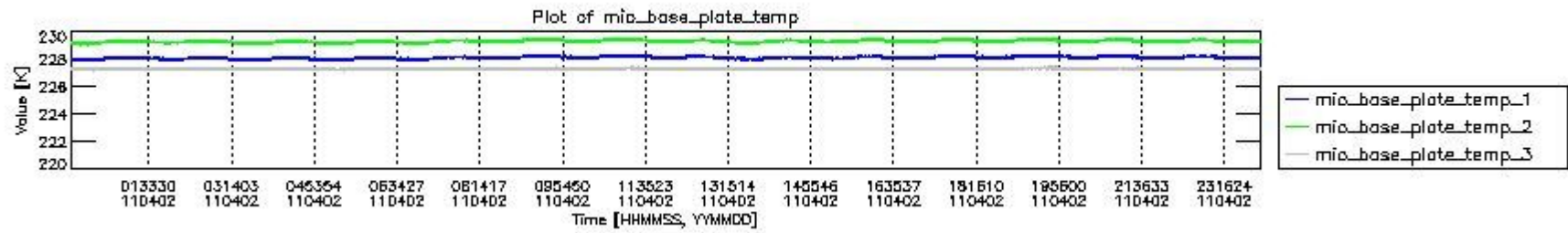
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
112737	1	0.0024050602
120806	1	0.0024050602

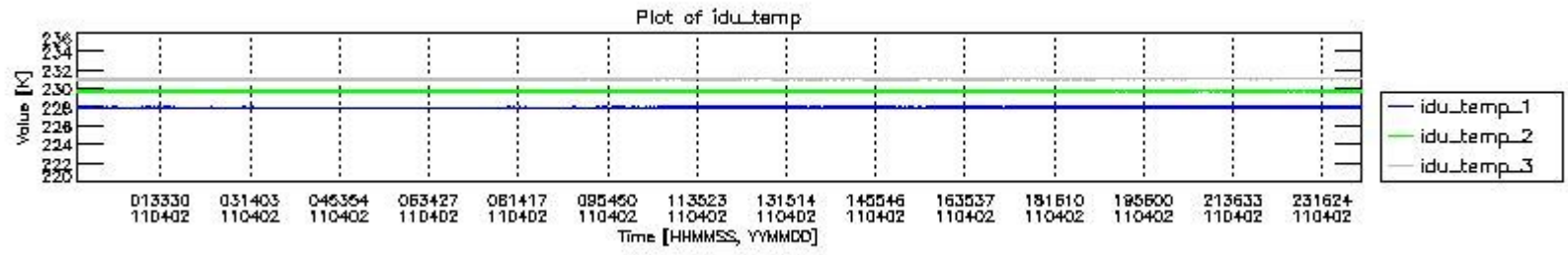
124800	38622	92.888237
124803	2951	7.0973328
127531	1	0.0024050602
132869	1	0.0024050602
147663	1	0.0024050602
150394	1	0.0024050602



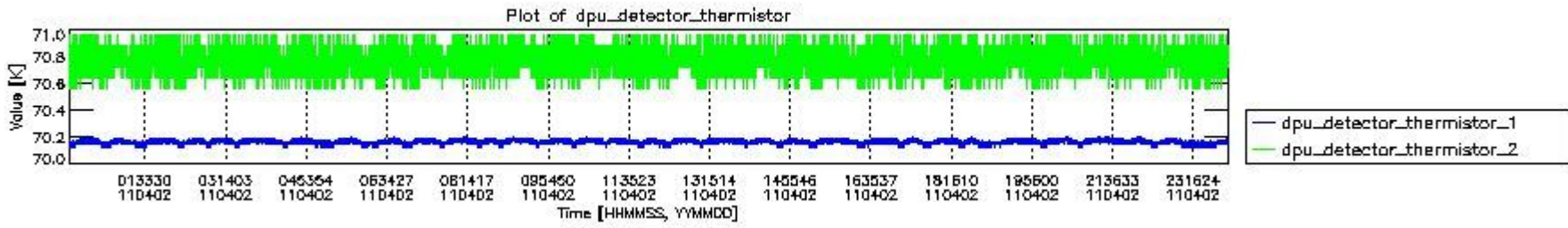
mipas_daily_report_level0_KSPT_L0_4504_N_20110402_0.PNG



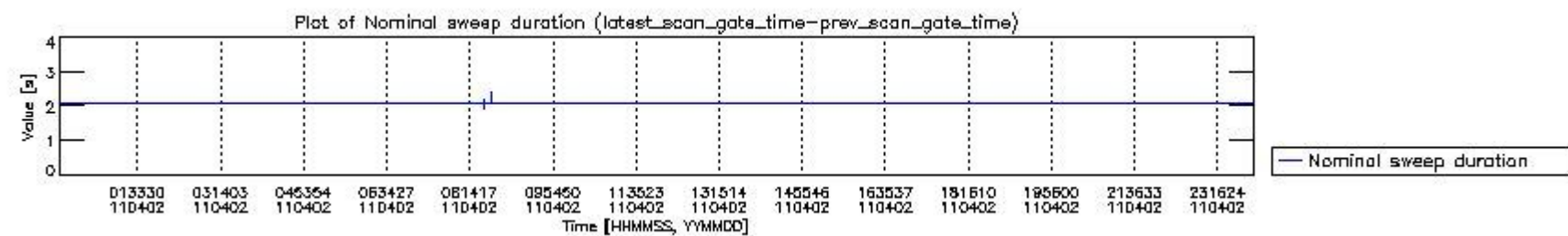
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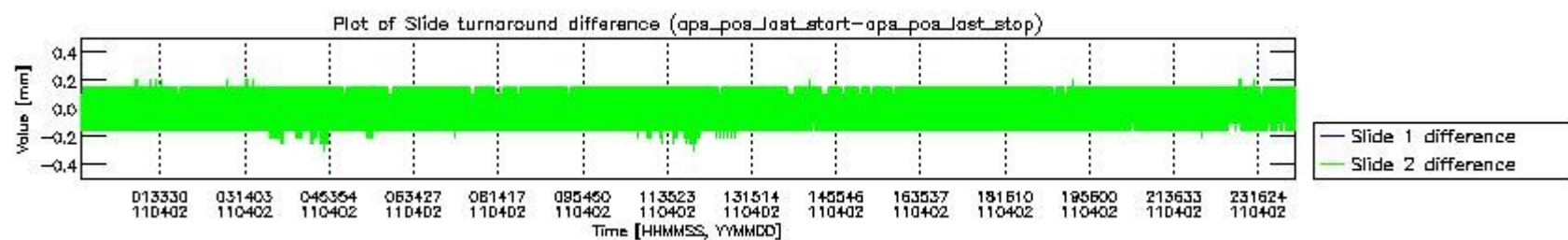
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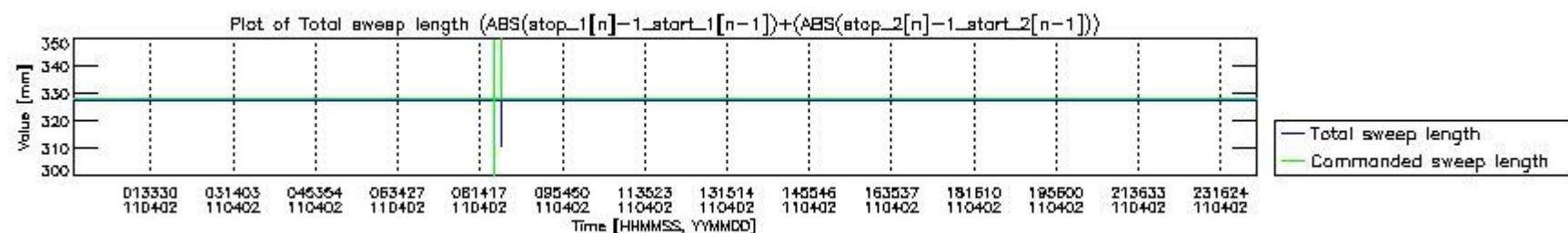
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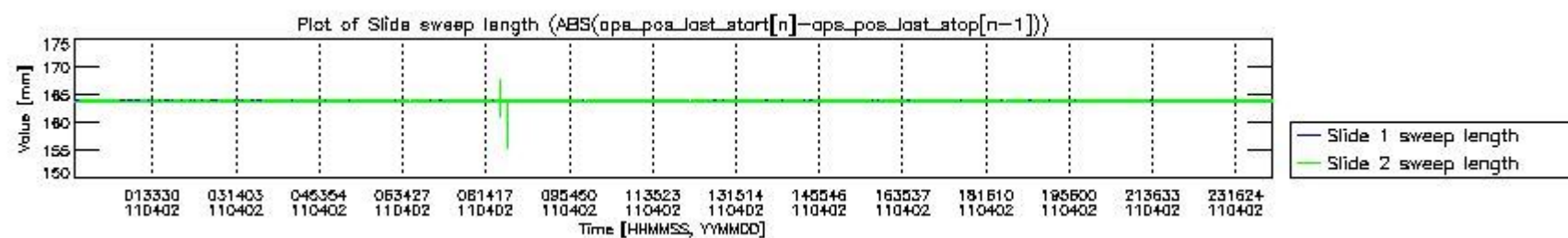
mipas_daily_report_level0_KSPT_L0_4504_N_20110402_4.PNG



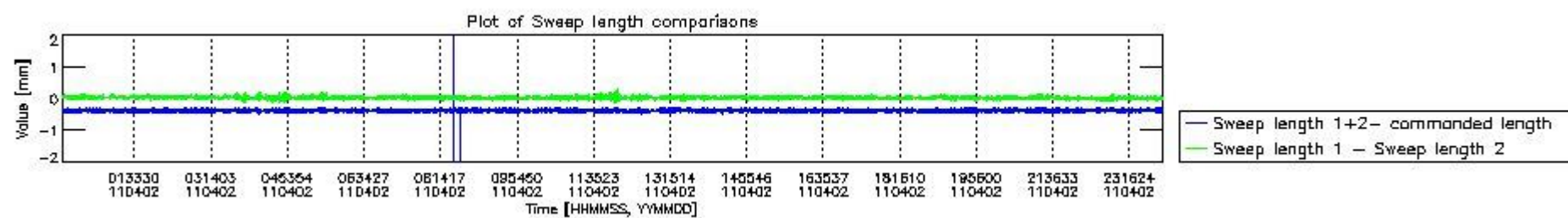
mipas_daily_report_level0_KSPT_L0_4504_N_20110402_5.PNG



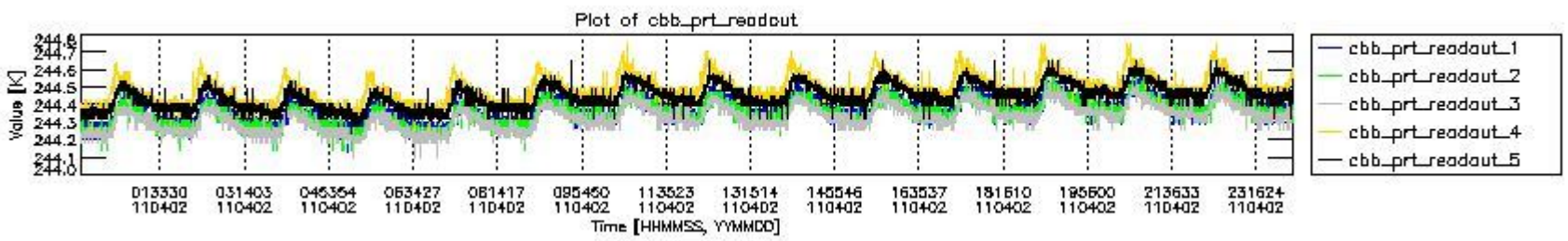
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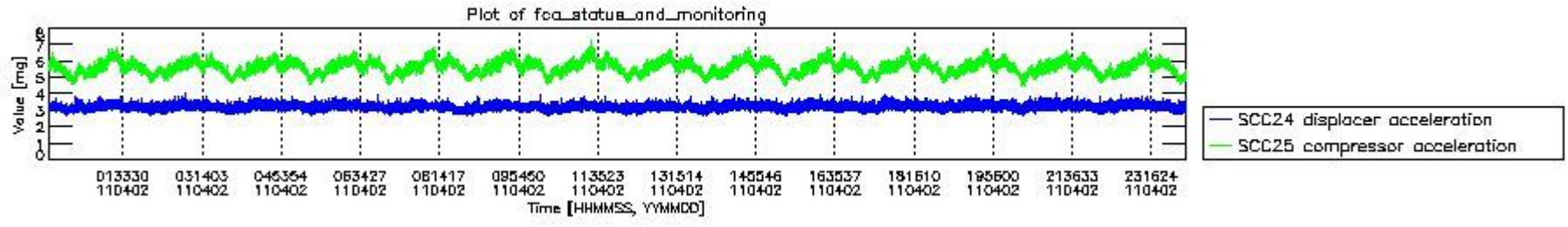
mipas_daily_report_level0_KSPT_L0_4504_N_20110402_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110402_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110402_9.PNG

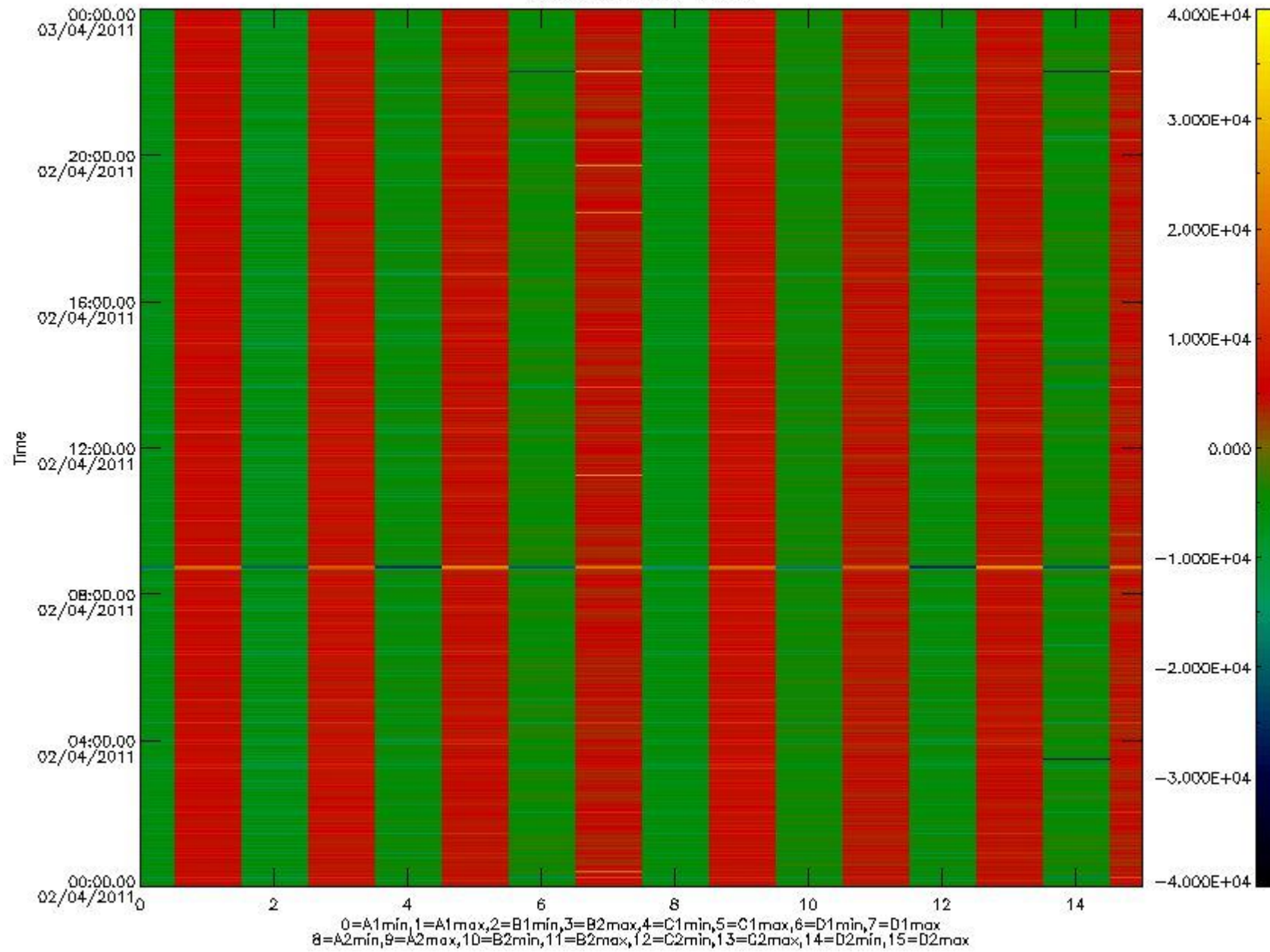


mipas_daily_report_level0_KSPT_L0_4504_N_20110402_10.PNG

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

Channel	Min	Max	ADC
A1	-17944	19001	16bit
B1	-20258	17460	16bit
C1	-24406	24347	16bit
D1	-32768	32767	16bit
A2	-15573	19179	16bit
B2	-18369	18001	16bit
C2	-25440	25035	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_20110402_11.PNG

0.3 ADF monitoring

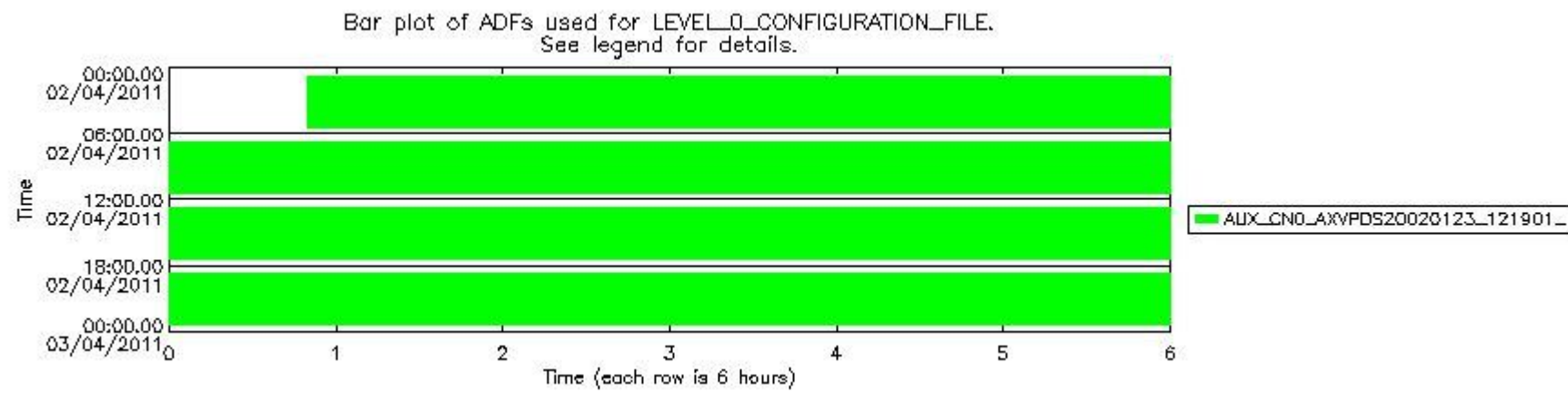
The use of ADFs is shown in two ways:

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.

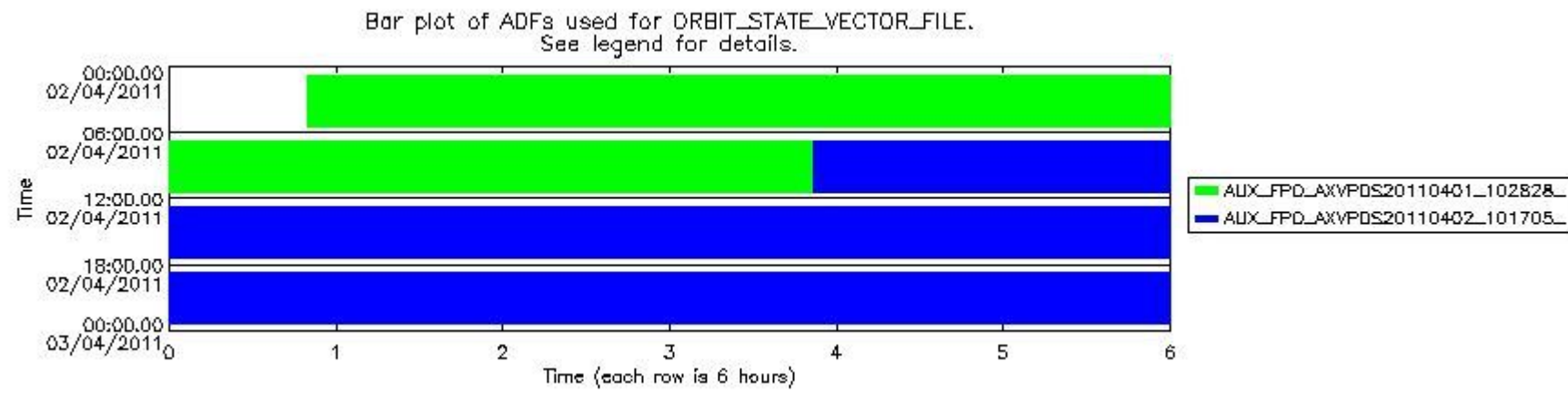
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110401_102828_20110331_185727_20110410_211115
2	AUX_FPO_AXVPDS20110402_101705_20110401_182043_20110411_203431

Number	Product name	#CN0	#FPO
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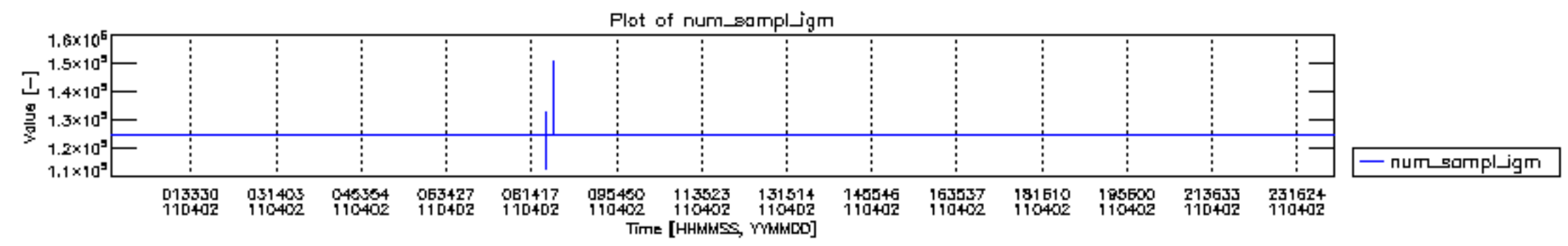
0	MIP_NL__0PNPDE20110402_004953_000058683101_00088_47516_3351.N1	0	1
1	MIP_NL__0PNPDE20110402_022642_000045063101_00089_47517_3352.N1	0	1
2	MIP_NL__0PNPDE20110402_034115_000061813101_00090_47518_3353.N1	0	1
3	MIP_NL__0PNPDE20110402_052342_000060393101_00091_47519_3354.N1	0	1
4	MIP_NL__0PNPDK20110402_070348_000040153101_00092_47520_4734.N1	0	1
5	MIP_NL__0PNPDK20110402_081010_000061193101_00093_47521_4735.N1	0	1
6	MIP_NL__0PNPDK20110402_095127_000059893101_00094_47522_4736.N1	0	2
7	MIP_NL__0PNPDK20110402_113035_000059913101_00095_47523_4737.N1	0	2
8	MIP_NL__0PNPDK20110402_130955_000047023101_00096_47524_4738.N1	0	2
9	MIP_NL__0PNPDK20110402_142817_000010843101_00097_47525_4740.N1	0	2
10	MIP_NL__0PNPDK20110402_144445_000059413101_00097_47525_4741.N1	0	2
11	MIP_NL__0PNPDK20110402_162250_000059563101_00098_47526_4742.N1	0	2
12	MIP_NL__0PNPDK20110402_180105_000060923101_00099_47527_4743.N1	0	2
13	MIP_NL__0PNPDE20110402_194056_000040443101_00100_47528_3355.N1	0	2
14	MIP_NL__0PNPDE20110402_204714_000064383101_00100_47528_3356.N1	0	2
15	MIP_NL__0PNPDE20110402_223327_000060063101_00101_47529_3357.N1	0	2

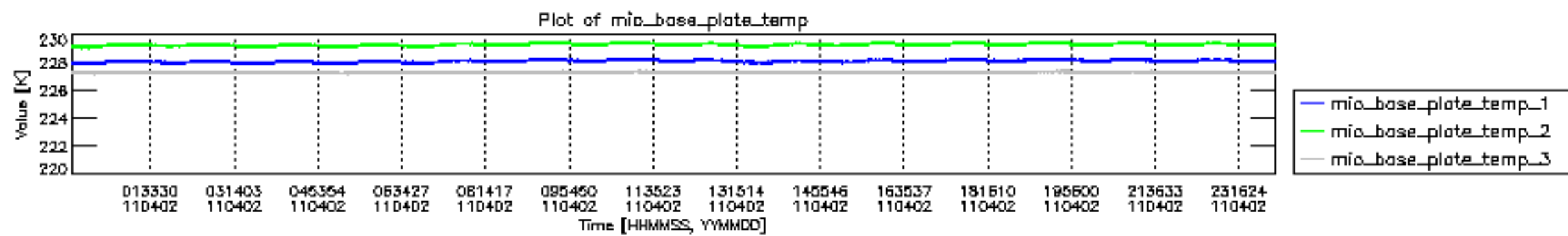


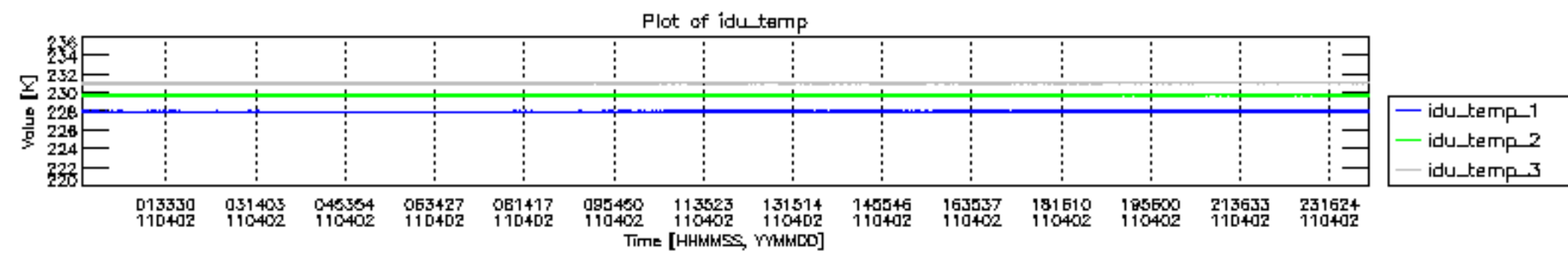
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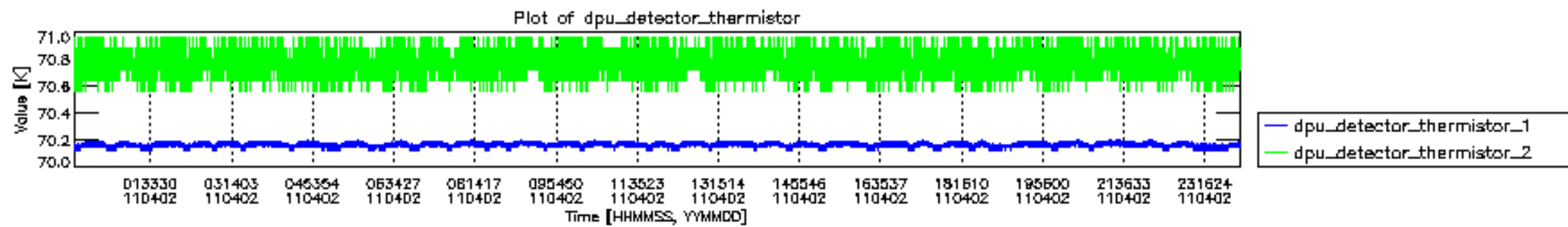


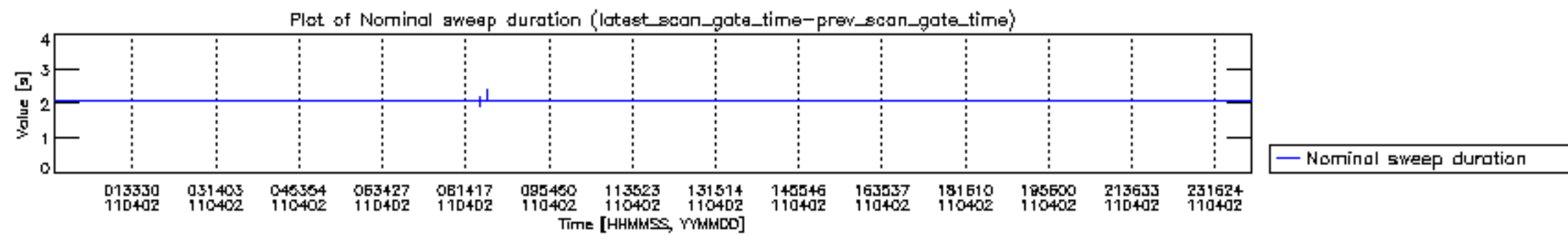
mipas_daily_report_level0_KSPT_L0_4504_N_20110402_13.PNG

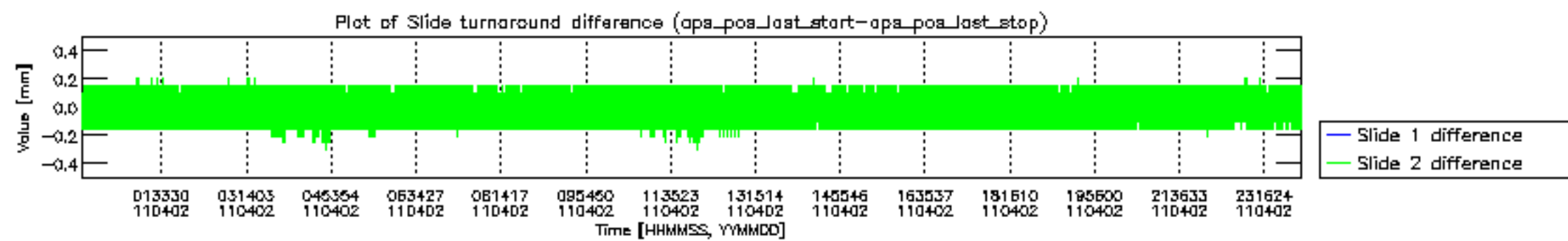


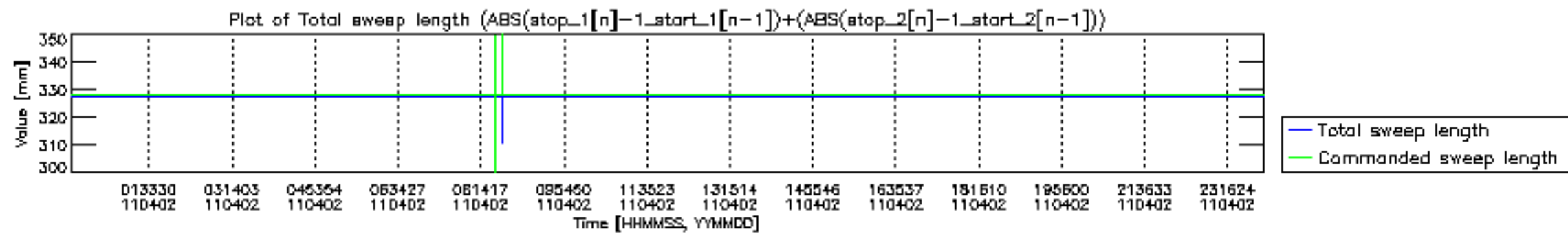


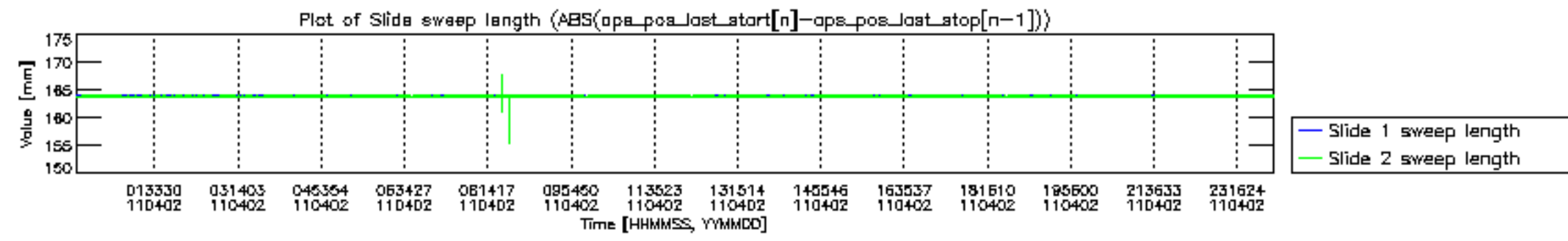


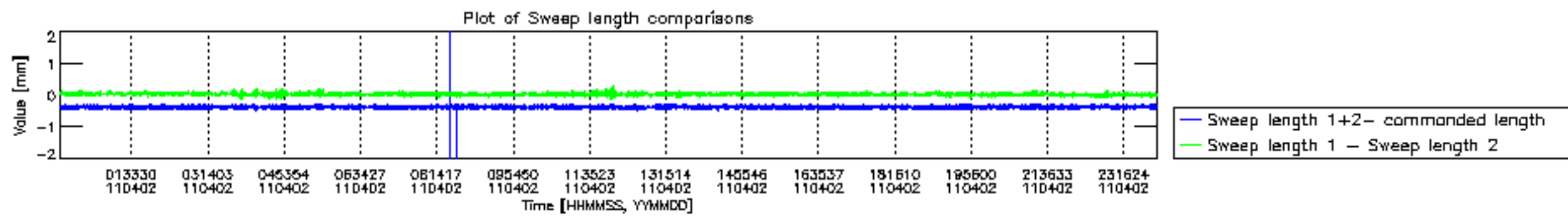


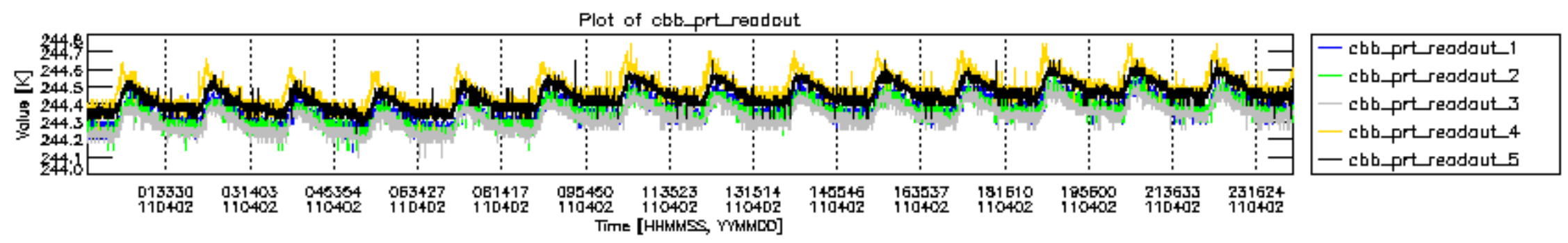


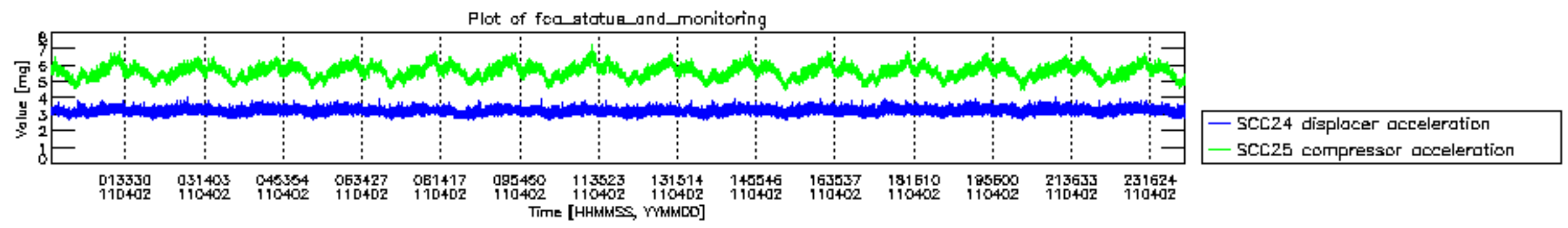












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.



