

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	08MAR2011 05:23:50
Data source version	KSPT_L0/4504-N
Processing scope for products	03MAR2011 00:00:00 to 04MAR2011 00:00:00
Start time of first product within scope	03MAR2011 00:48:56
Stop time of last product within scope	04MAR2011 00:13:23
Total number of level 0 products	17
Number of level 0 products with errors	2

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__0PNPDE20110303_004856_000057893100_00088_47085_3024.N1	03MAR2011 00:48:56	03MAR2011 02:25:25	0	0	0	0	0
1	MIP_NL__0PNPDE20110303_022418_000046403100_00089_47086_3025.N1	03MAR2011 02:24:18	03MAR2011 03:41:38	0	0	0	0	0
2	MIP_NL__0PNPDE20110303_034106_000061073100_00090_47087_3026.N1	03MAR2011 03:41:06	03MAR2011 05:22:54	0	0	0	0	0
3	MIP_NL__0PNPDE20110303_052220_000060783100_00091_47088_3027.N1	03MAR2011 05:22:20	03MAR2011 07:03:38	0	0	0	0	0
4	MIP_NL__0PNPDK20110303_070305_000040533100_00092_47089_4453.N1	03MAR2011 07:03:05	03MAR2011 08:10:38	0	0	0	0	0
5	MIP_NL__0PNPDK20110303_080941_000060853100_00093_47090_4462.N1	03MAR2011 08:09:41	03MAR2011 09:51:07	1	1	1	0	1
6	MIP_NL__0PNPDK20110303_082201_000000043100_00093_47090_4457.N1	03MAR2011 08:22:01	03MAR2011 08:22:05	1	0	1	0	0
7	MIP_NL__0PNPDK20110303_082205_000053423100_00093_47090_4459.N1	03MAR2011 08:22:05	03MAR2011 09:51:07	0	0	0	0	0
8	MIP_NL__0PNPDK20110303_094933_000061063100_00094_47091_4460.N1	03MAR2011 09:49:33	03MAR2011 11:31:19	0	0	0	0	0
9	MIP_NL__0PNPDK20110303_112945_000059643100_00095_47092_4461.N1	03MAR2011 11:29:45	03MAR2011 13:09:09	0	0	0	0	0
10	MIP_NL__0PNPDK20110303_130729_000060583100_00096_47093_4463.N1	03MAR2011 13:07:29	03MAR2011 14:48:27	0	0	0	0	0
11	MIP_NL__0PNPDK20110303_144707_000057363100_00097_47094_4464.N1	03MAR2011 14:47:07	03MAR2011 16:22:44	0	0	0	0	0
12	MIP_NL__0PNPDK20110303_162143_000060103100_00098_47095_4465.N1	03MAR2011 16:21:43	03MAR2011 18:01:53	0	0	0	0	0
13	MIP_NL__0PNPDK20110303_180034_000059543100_00099_47096_4466.N1	03MAR2011 18:00:34	03MAR2011 19:39:48	0	0	0	0	0
14	MIP_NL__0PNPDE20110303_193830_000042413100_00100_47097_3028.N1	03MAR2011 19:38:30	03MAR2011 20:49:11	0	0	0	0	0
15	MIP_NL__0PNPDE20110303_204804_000063993100_00100_47097_3029.N1	03MAR2011 20:48:04	03MAR2011 22:34:43	0	0	0	0	0
16	MIP_NL__0PNPDE20110303_223340_000059833100_00101_47098_3030.N1	03MAR2011 22:33:40	04MAR2011 00:13:23	0	0	0	0	0

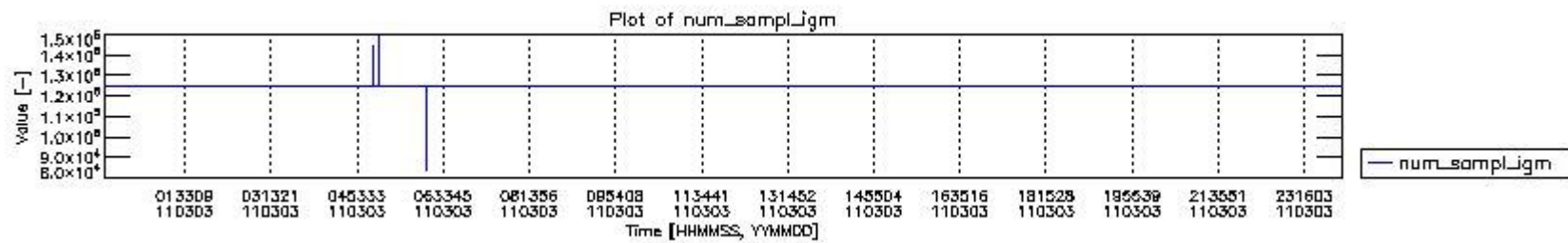
0.2 Instrument Operational Performance Parameters

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.

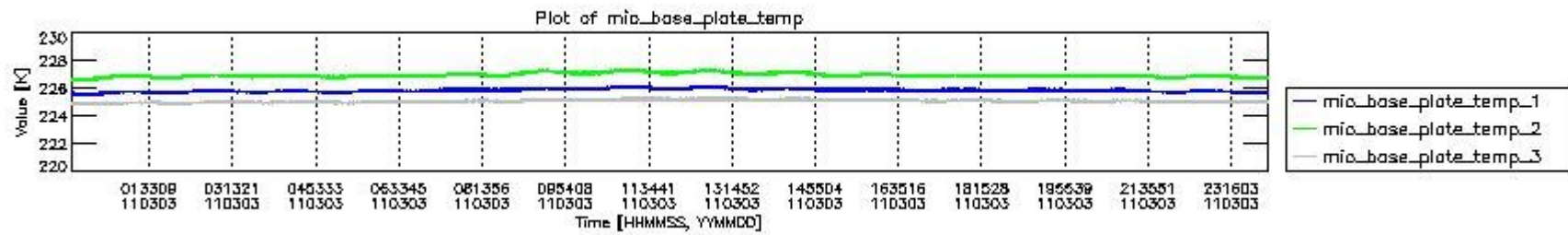
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
83932	1	0.0024012486

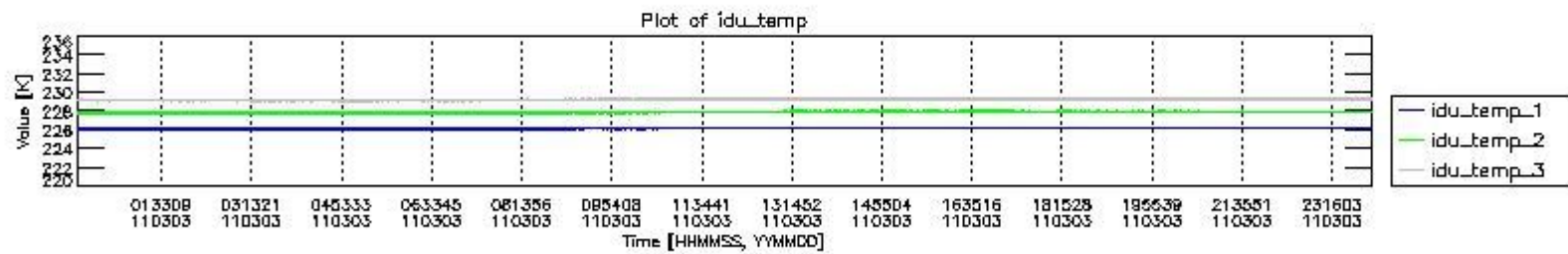
94300	1	0.0024012486
114432	1	0.0024012486
124706	1	0.0024012486
124800	38682	92.885100
124803	2954	7.0932885
127085	1	0.0024012486
144744	1	0.0024012486
144838	1	0.0024012486
147217	1	0.0024012486
149502	1	0.0024012486



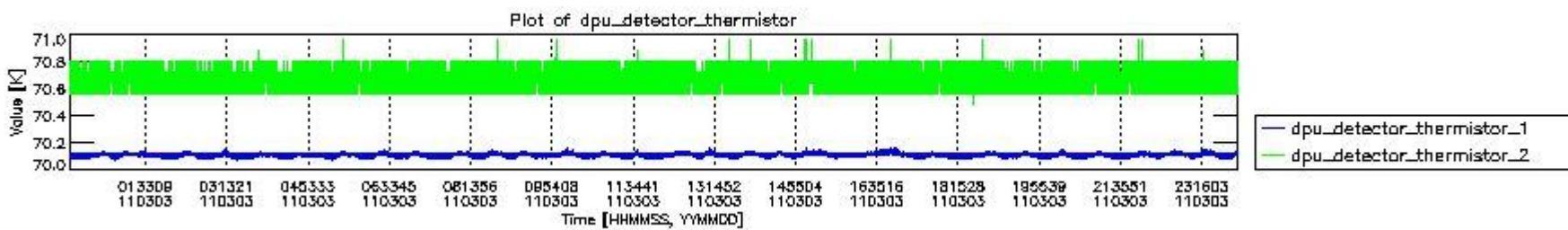
mipas_daily_report_level0_KSPT_L0_4504_N_20110303_0.PNG



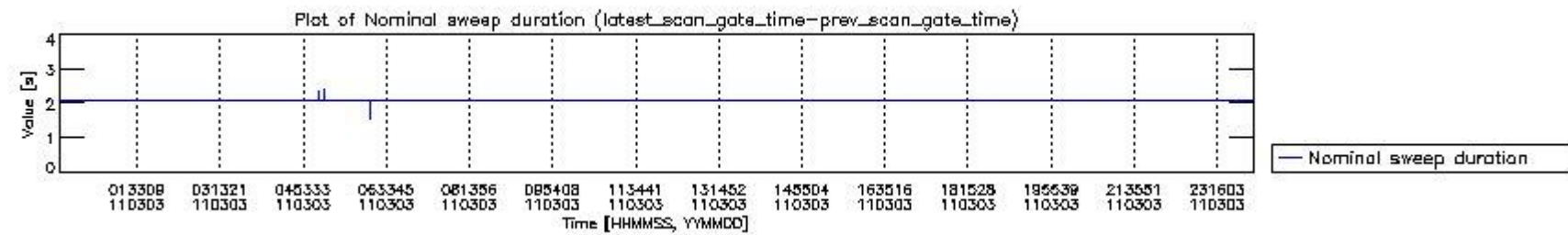
mipas_daily_report_level0_KSPT_L0_4504_N_20110303_1.PNG



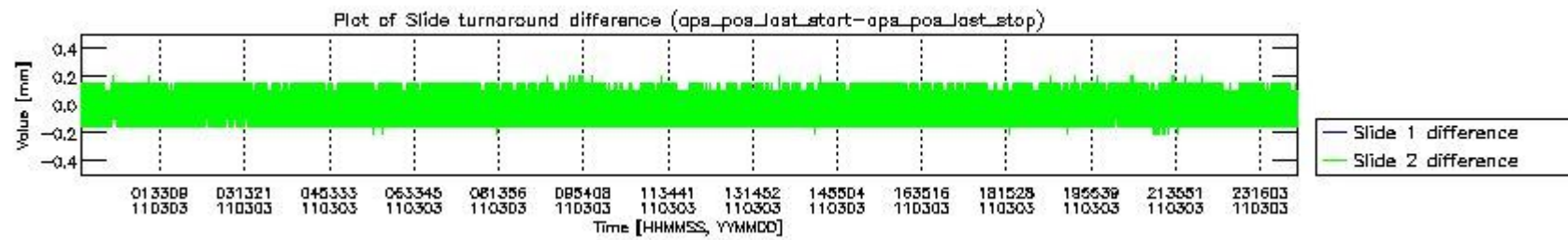
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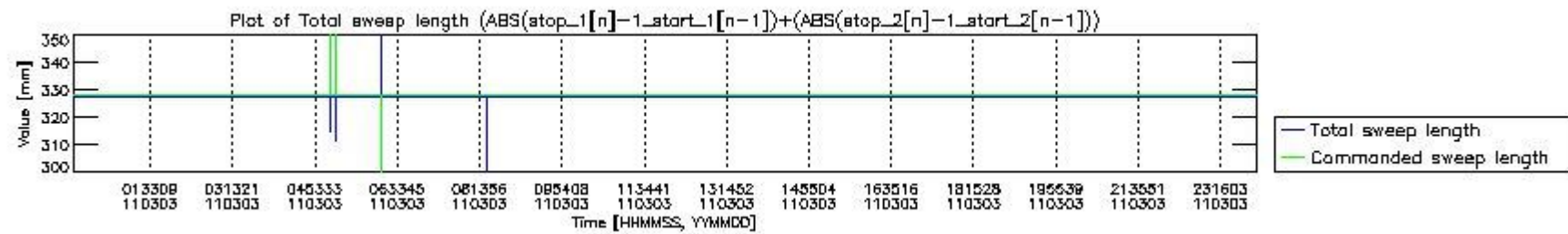
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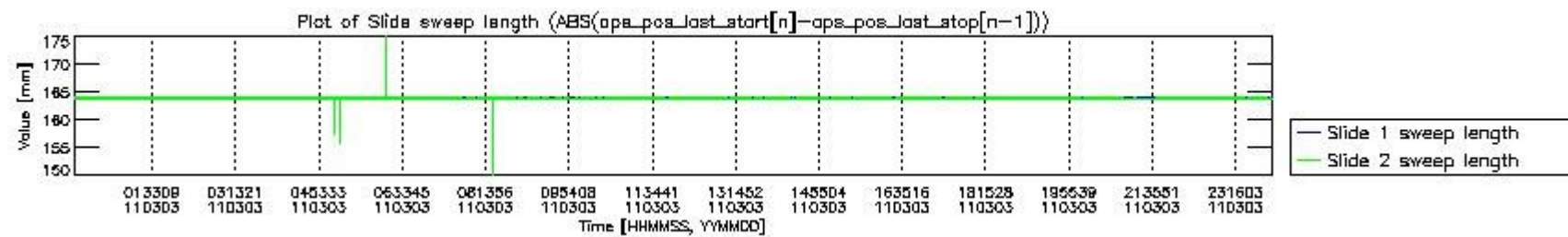
mipas_daily_report_level0_KSPT_L0_4504_N_20110303_4.PNG



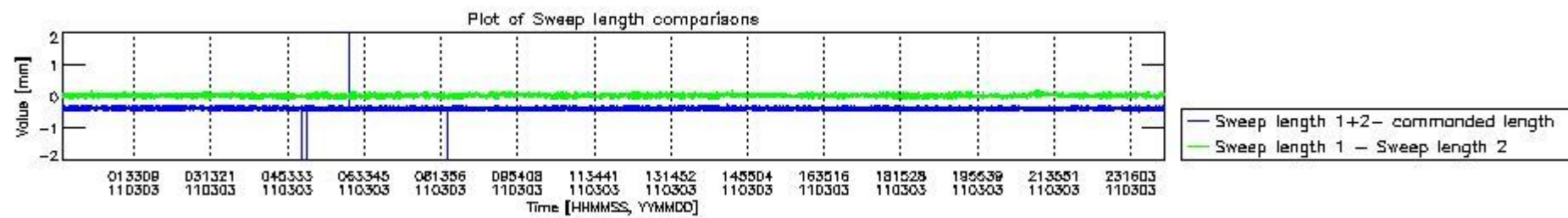
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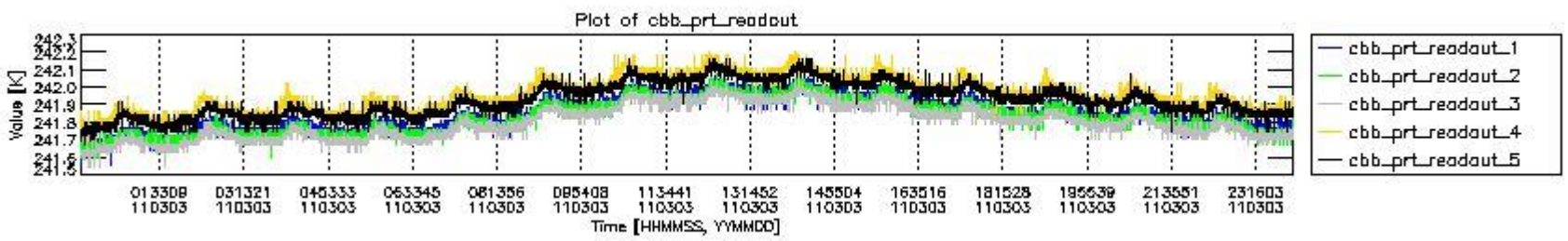
mipas_daily_report_level0_KSPT_L0_4504_N_20110303_6.PNG



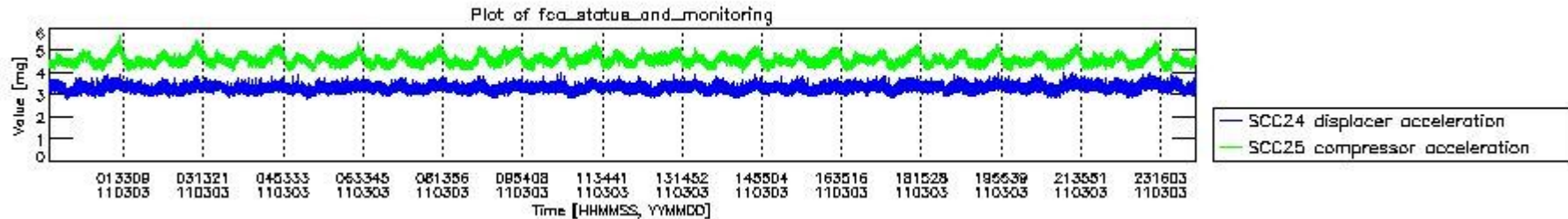
mipas_daily_report_level0_KSPT_L0_4504_N_20110303_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110303_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110303_9.PNG

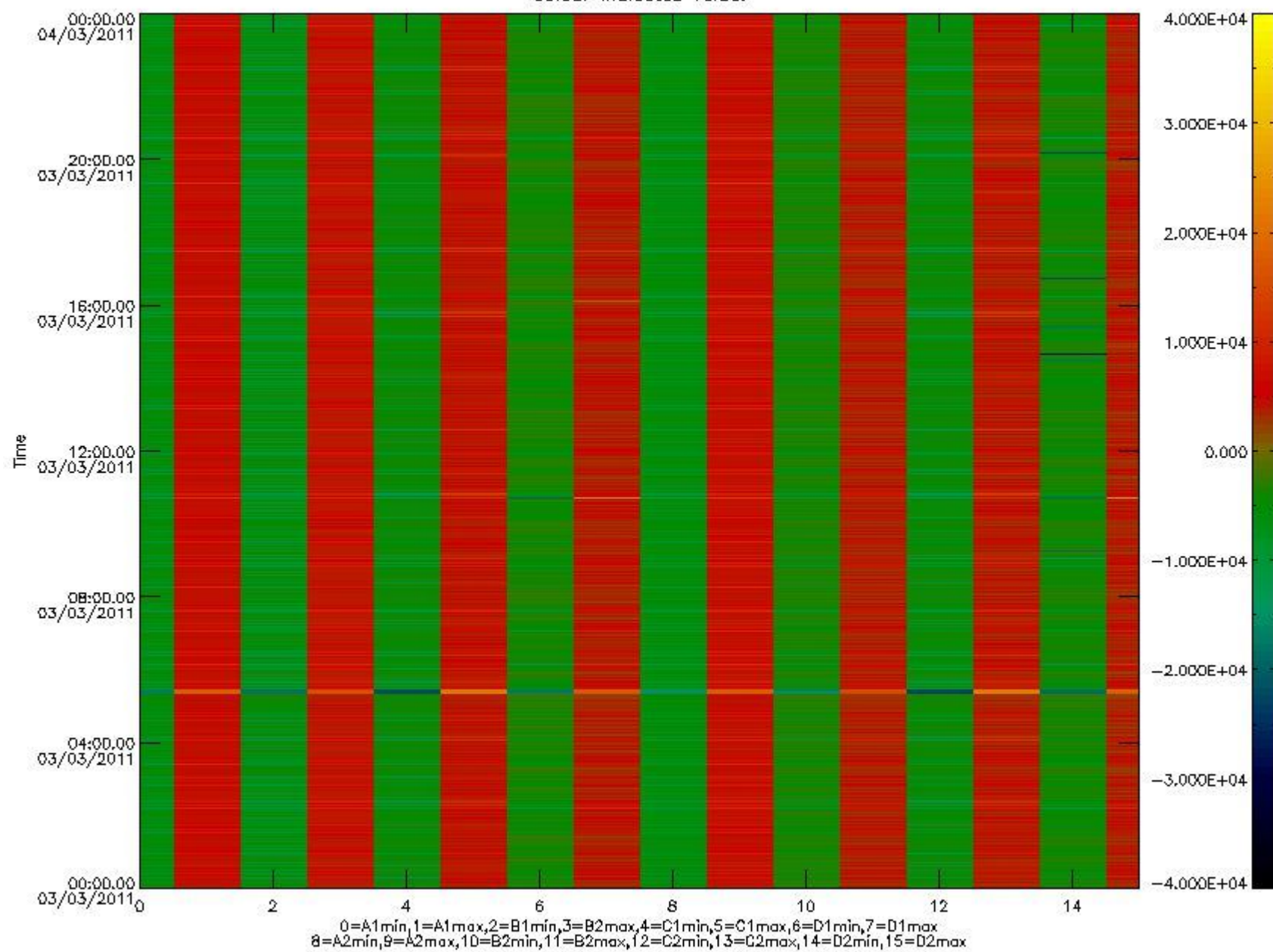


mipas_daily_report_level0_KSPT_L0_4504_N_20110303_10.PNG

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

Channel	Min	Max	ADC
A1	-17447	18463	16bit
B1	-18911	16444	16bit
C1	-24700	21950	16bit
D1	-26826	32767	16bit
A2	-15139	18574	16bit
B2	-17018	16734	16bit
C2	-23088	22570	16bit
D2	-32768	31157	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110303_11.PNG

0.3 ADF monitoring

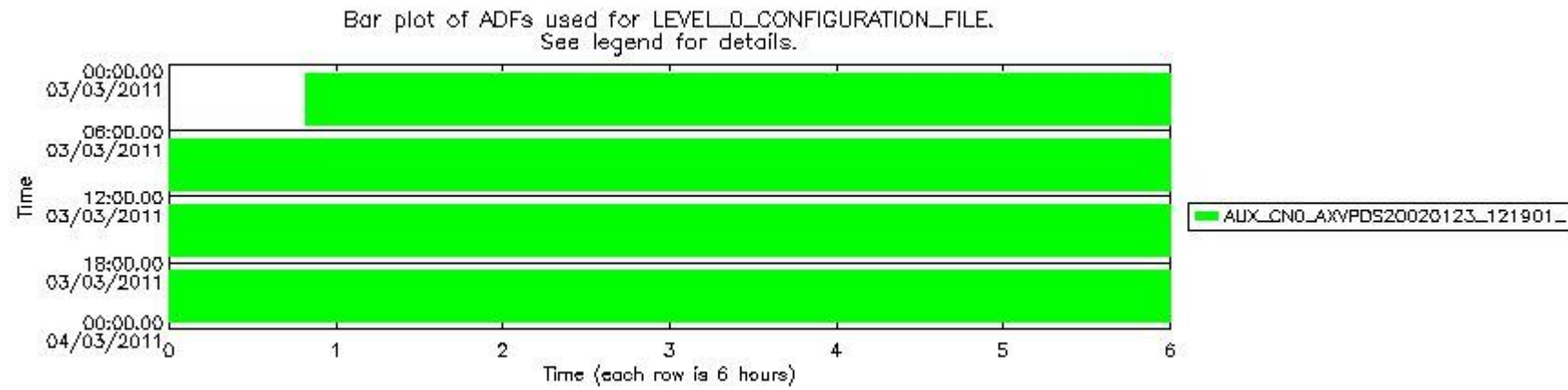
The use of ADFs is shown in two ways:

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.

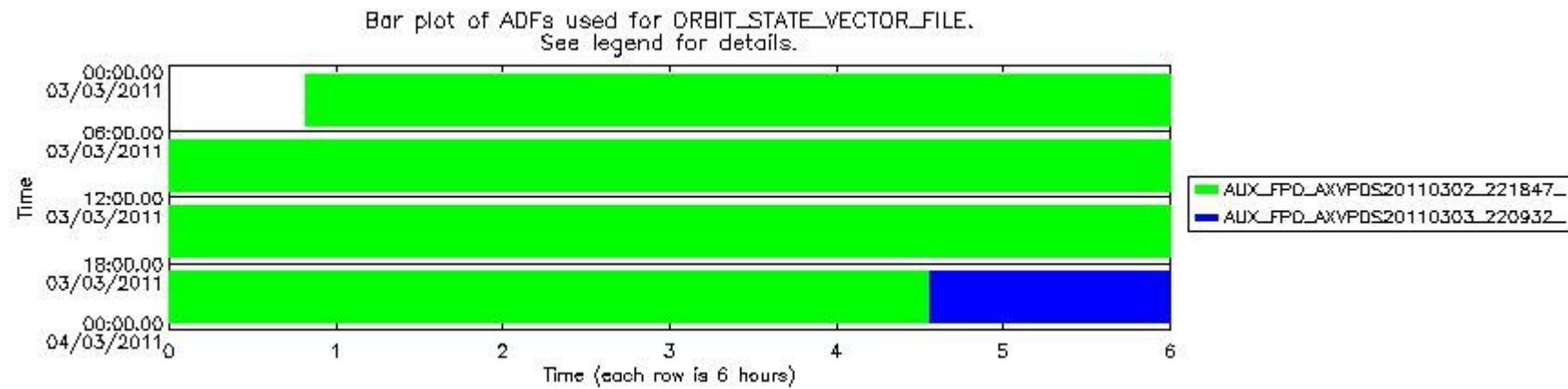
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110302_221847_20110302_182010_20110312_203400
2	AUX_FPO_AXVPDS20110303_220932_20110303_192340_20110313_213730

Number	Product name	#CN0	#FPO
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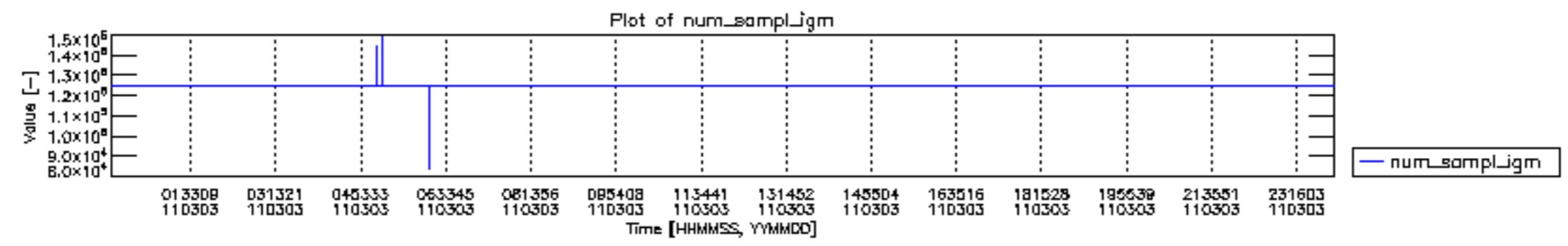
0	MIP_NL__0PNPDE20110303_004856_000057893100_00088_47085_3024.N1	0	1
1	MIP_NL__0PNPDE20110303_022418_000046403100_00089_47086_3025.N1	0	1
2	MIP_NL__0PNPDE20110303_034106_000061073100_00090_47087_3026.N1	0	1
3	MIP_NL__0PNPDE20110303_052220_000060783100_00091_47088_3027.N1	0	1
4	MIP_NL__0PNPDK20110303_070305_000040533100_00092_47089_4453.N1	0	1
5	MIP_NL__0PNPDK20110303_080941_000060853100_00093_47090_4462.N1	0	1
6	MIP_NL__0PNPDK20110303_082201_000000043100_00093_47090_4457.N1	0	1
7	MIP_NL__0PNPDK20110303_082205_000053423100_00093_47090_4459.N1	0	1
8	MIP_NL__0PNPDK20110303_094933_000061063100_00094_47091_4460.N1	0	1
9	MIP_NL__0PNPDK20110303_112945_000059643100_00095_47092_4461.N1	0	1
10	MIP_NL__0PNPDK20110303_130729_000060583100_00096_47093_4463.N1	0	1
11	MIP_NL__0PNPDK20110303_144707_000057363100_00097_47094_4464.N1	0	1
12	MIP_NL__0PNPDK20110303_162143_000060103100_00098_47095_4465.N1	0	1
13	MIP_NL__0PNPDK20110303_180034_000059543100_00099_47096_4466.N1	0	1
14	MIP_NL__0PNPDE20110303_193830_000042413100_00100_47097_3028.N1	0	1
15	MIP_NL__0PNPDE20110303_204804_000063993100_00100_47097_3029.N1	0	1
16	MIP_NL__0PNPDE20110303_223340_000059833100_00101_47098_3030.N1	0	2

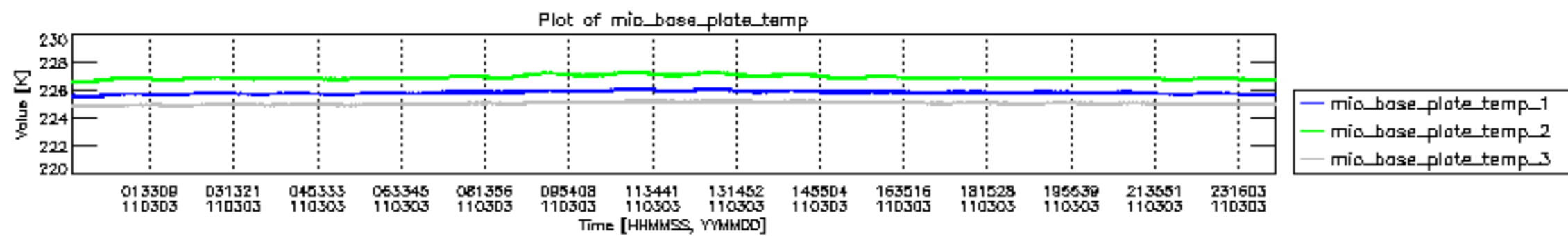


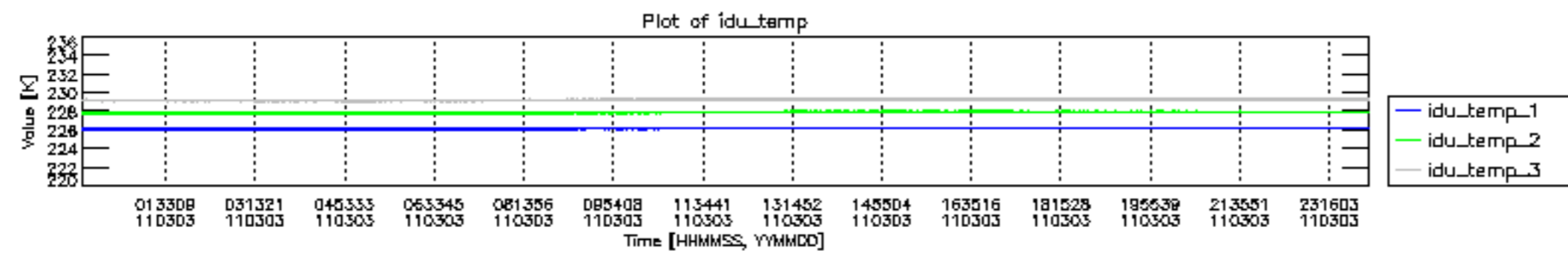
mipas_daily_report_level0_KSPT_L0_4504_N_20110303_12.PNG

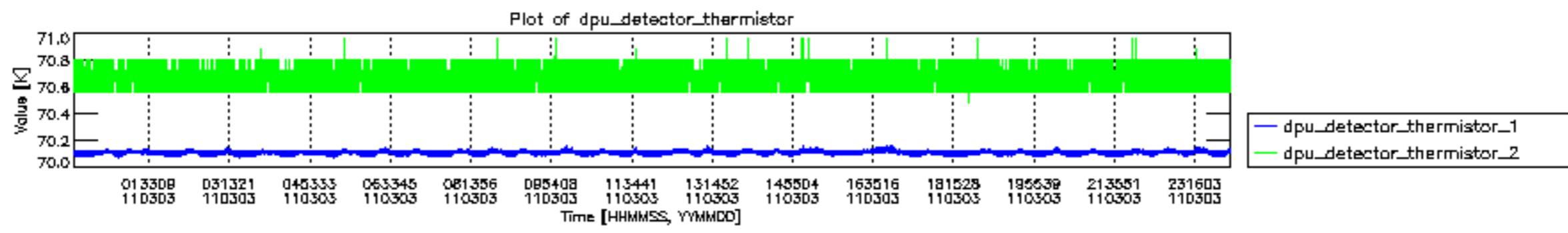


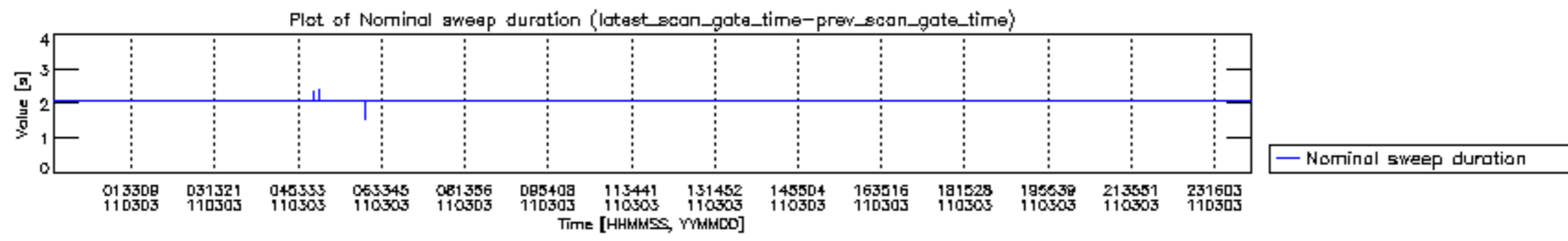
mipas_daily_report_level0_KSPT_L0_4504_N_20110303_13.PNG

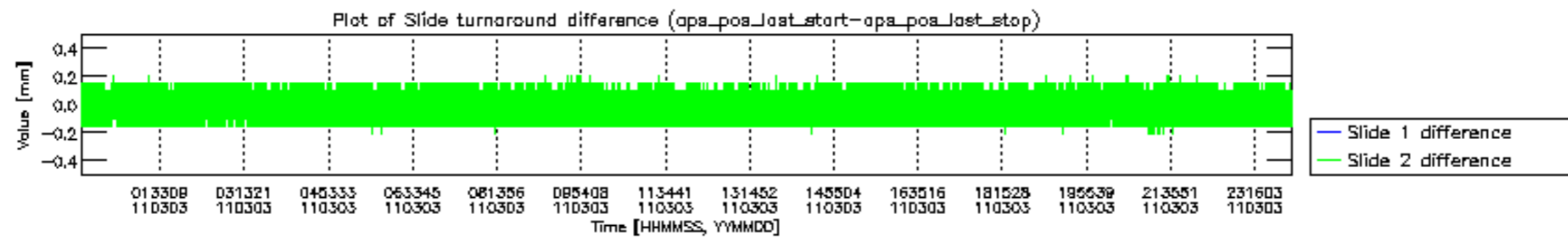


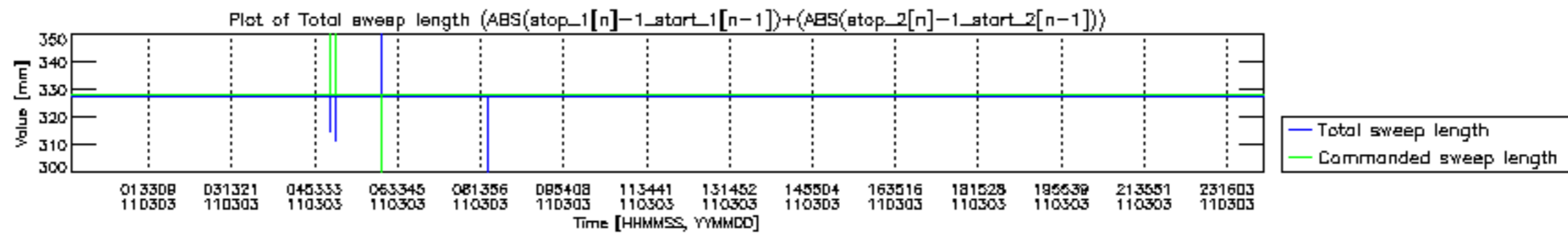


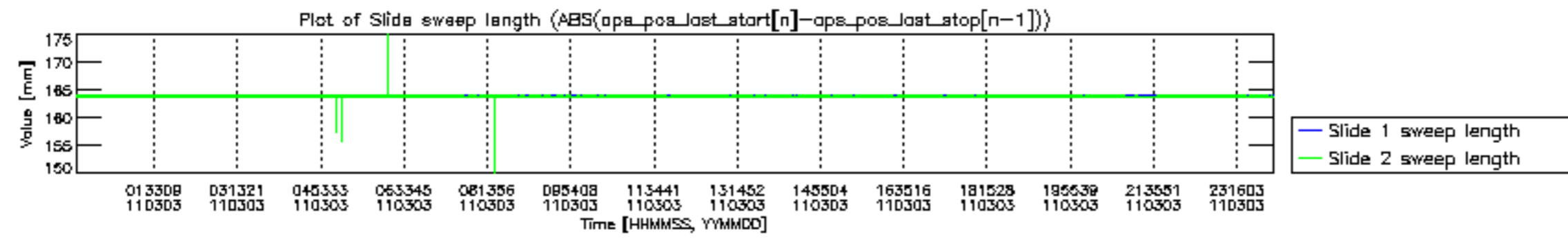


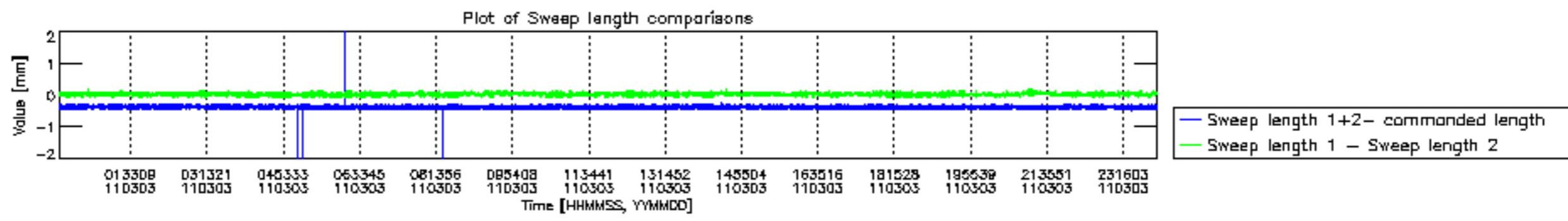


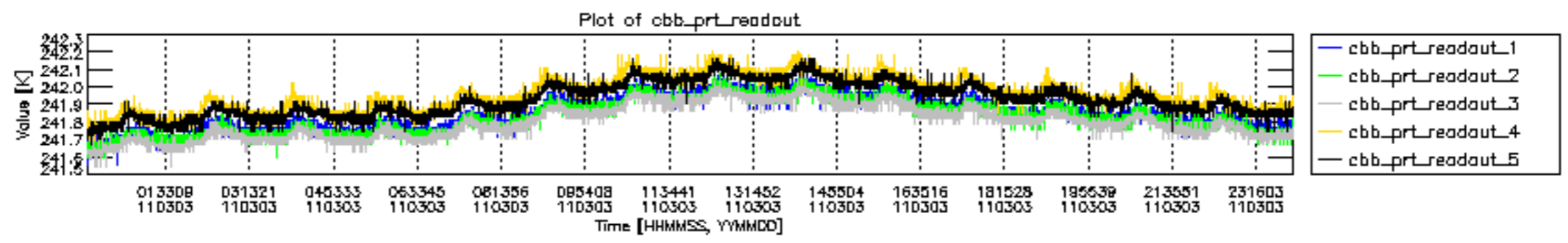


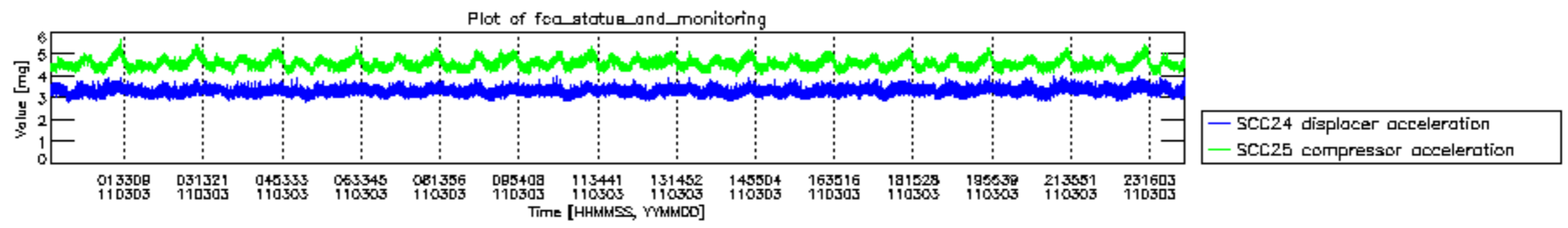












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.



