

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	07MAR2011 05:23:40
Data source version	KSPT_L0/4504-N
Processing scope for products	02MAR2011 00:00:00 to 03MAR2011 00:00:00
Start time of first product within scope	02MAR2011 01:25:37
Stop time of last product within scope	03MAR2011 00:49:57
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__OPNPDE20110302_012537_000102883100_00074_47071_6640.N1	02MAR2011 01:25:37	02MAR2011 04:17:05	0	0	0	0	0
1	MIP_NL__OPNPDE20110302_041632_000062323100_00076_47073_3020.N1	02MAR2011 04:16:32	02MAR2011 06:00:24	0	0	0	0	0
2	MIP_NL__OPNPDK20110302_055950_000041163100_00077_47074_4444.N1	02MAR2011 05:59:50	02MAR2011 07:08:27	0	0	0	0	0
3	MIP_NL__OPNPDK20110302_070753_000060693100_00078_47075_4445.N1	02MAR2011 07:07:53	02MAR2011 08:49:02	0	0	0	0	0
4	MIP_NL__OPNPDK20110302_084831_000059933100_00079_47076_4446.N1	02MAR2011 08:48:31	02MAR2011 10:28:24	0	0	0	0	0
5	MIP_NL__OPNPDK20110302_102707_000059543100_00080_47077_4447.N1	02MAR2011 10:27:07	02MAR2011 12:06:21	0	0	0	0	0
6	MIP_NL__OPNPDK20110302_120524_000059773100_00081_47078_4448.N1	02MAR2011 12:05:24	02MAR2011 13:45:01	0	0	0	0	0
7	MIP_NL__OPNPDK20110302_134352_000059753100_00082_47079_4449.N1	02MAR2011 13:43:52	02MAR2011 15:23:27	0	0	0	0	0
8	MIP_NL__OPNPDK20110302_152157_000060813100_00083_47080_4450.N1	02MAR2011 15:21:57	02MAR2011 17:03:18	0	0	0	0	0
9	MIP_NL__OPNPDK20110302_170140_000057743100_00084_47081_4451.N1	02MAR2011 17:01:40	02MAR2011 18:37:54	0	0	0	0	0
10	MIP_NL__OPNPDK20110302_183710_000060753100_00085_47082_4452.N1	02MAR2011 18:37:10	02MAR2011 20:18:25	0	0	0	0	0
11	MIP_NL__OPNPDE20110302_201718_000042113100_00086_47083_3021.N1	02MAR2011 20:17:18	02MAR2011 21:27:29	0	0	0	0	0
12	MIP_NL__OPNPDE20110302_212622_000062733100_00086_47083_3022.N1	02MAR2011 21:26:22	02MAR2011 23:10:56	0	0	0	0	0
13	MIP_NL__OPNPDE20110302_230953_000060043100_00087_47084_3023.N1	02MAR2011 23:09:53	03MAR2011 00:49:57	0	0	0	0	0

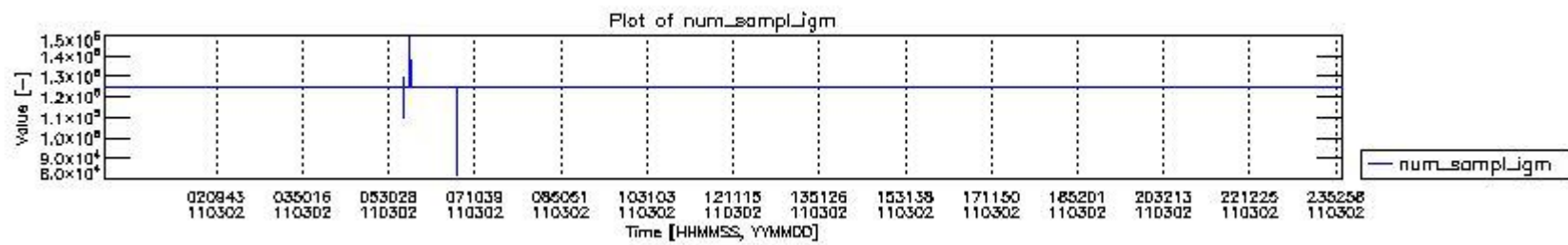
0.2 Instrument Operational Performance Parameters

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.

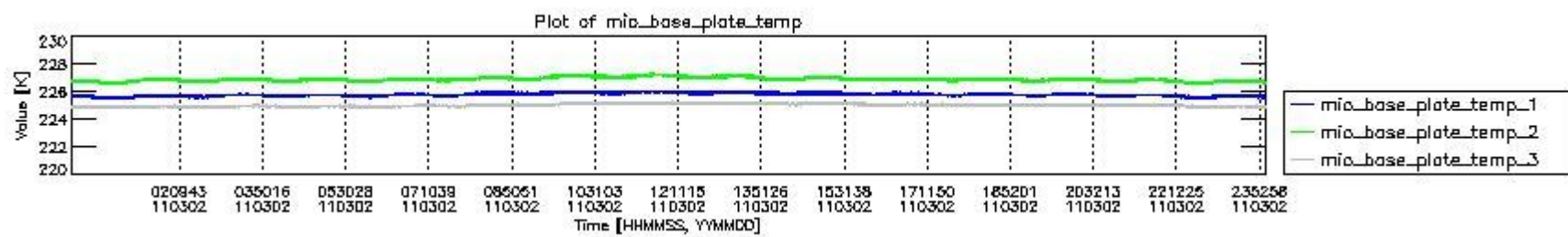
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
81850	1	0.0024021716
93259	1	0.0024021716
109466	1	0.0024021716
113391	1	0.0024021716

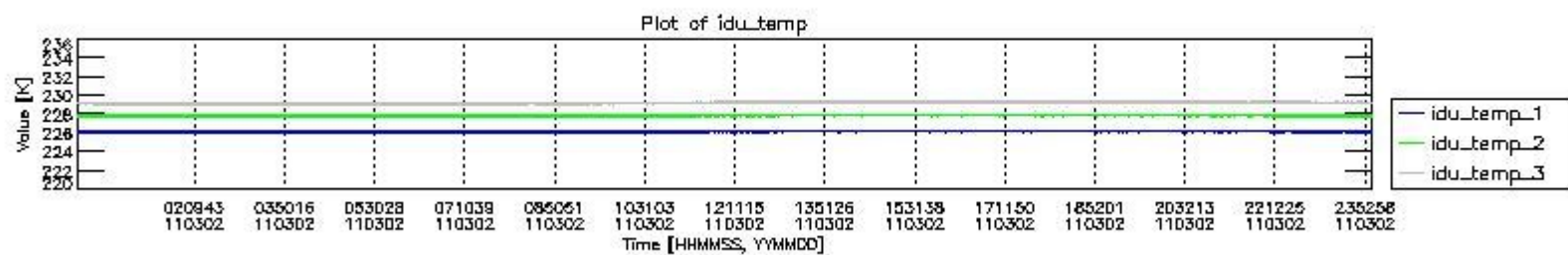
114264	1	0.0024021716
124800	38666	92.882366
124803	2954	7.0960148
127085	1	0.0024021716
129598	1	0.0024021716
147217	1	0.0024021716
149502	1	0.0024021716



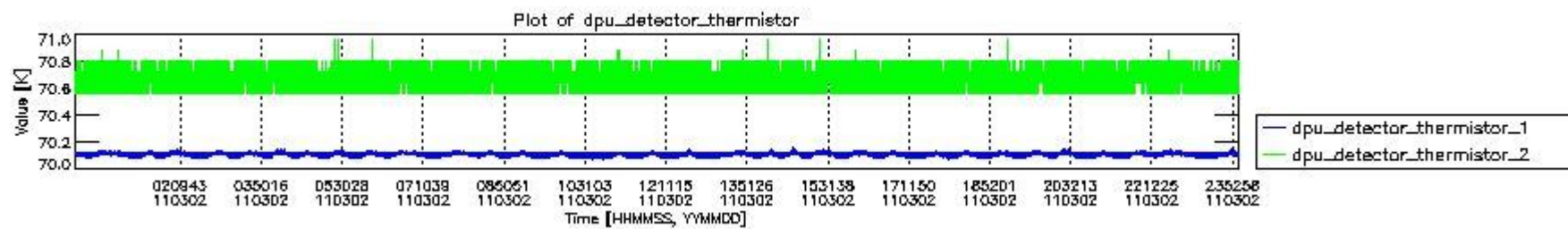
mipas_daily_report_level0_KSPT_L0_4504_N_20110302_0.PNG



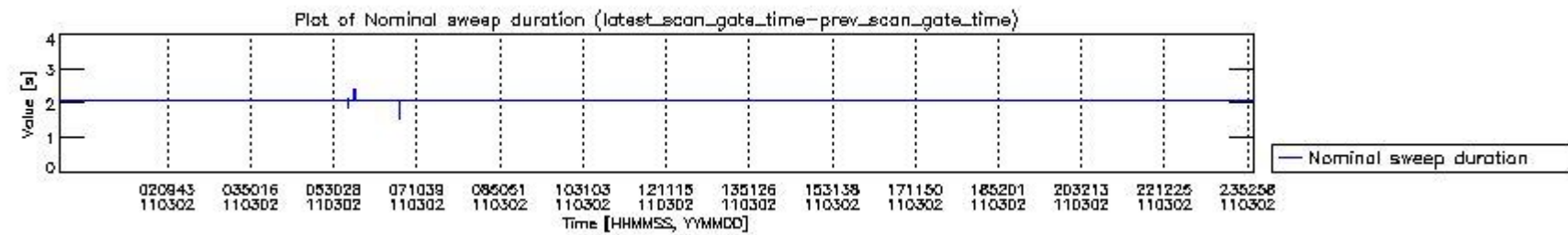
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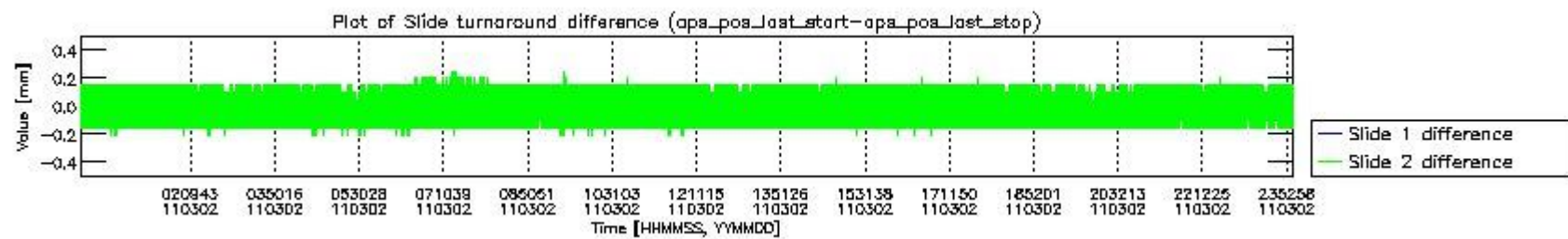
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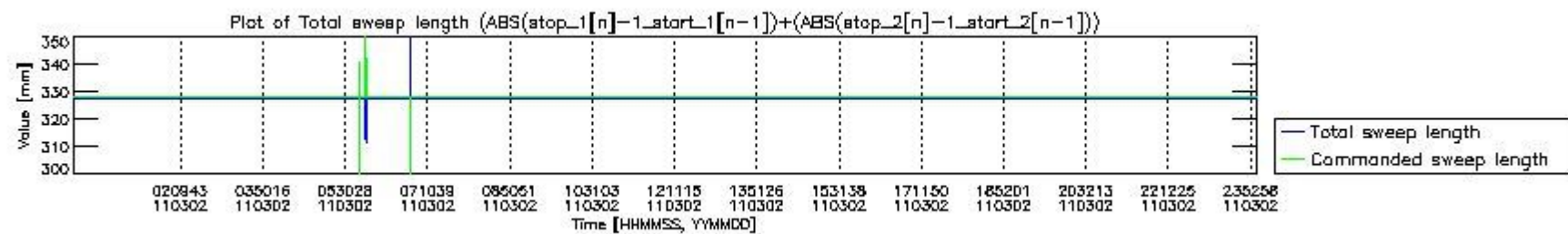
mipas_daily_report_level0_KSPT_L0_4504_N_20110302_3.PNG



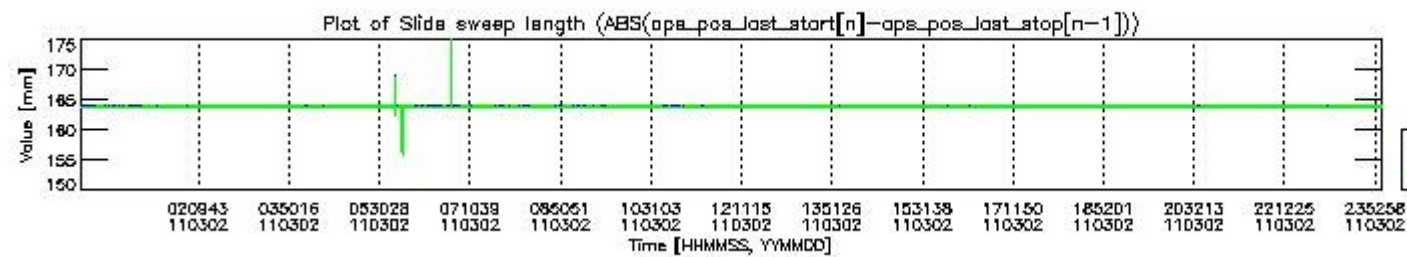
mipas_daily_report_level0_KSPT_L0_4504_N_20110302_4.PNG



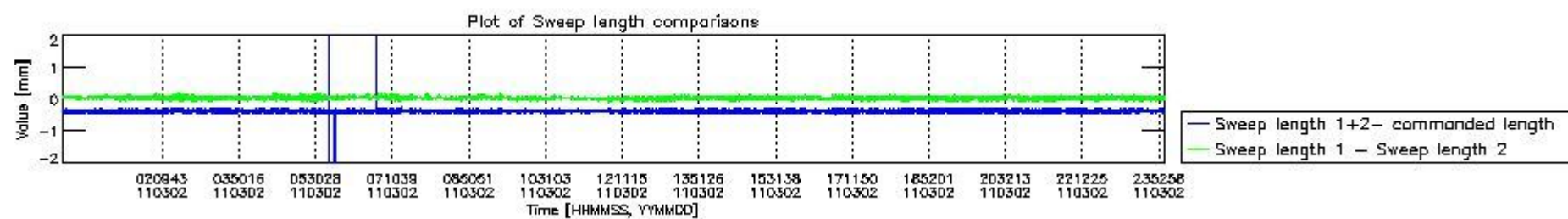
mipas_daily_report_level0_KSPT_L0_4504_N_20110302_5.PNG



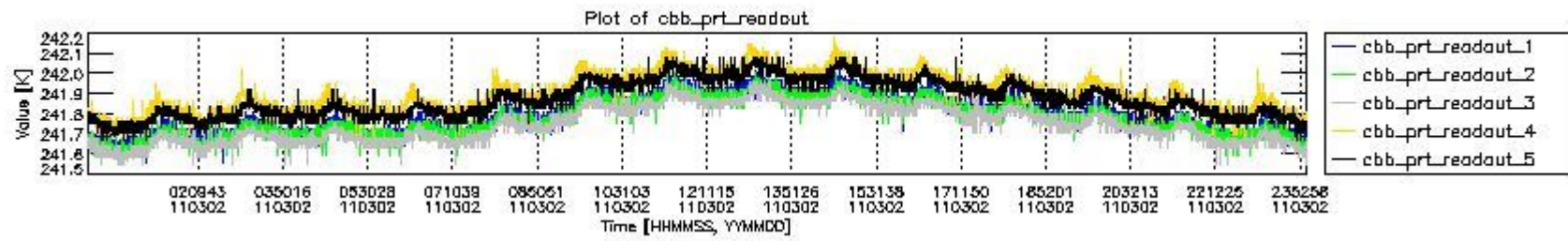
mipas_daily_report_level0_KSPT_L0_4504_N_20110302_6.PNG



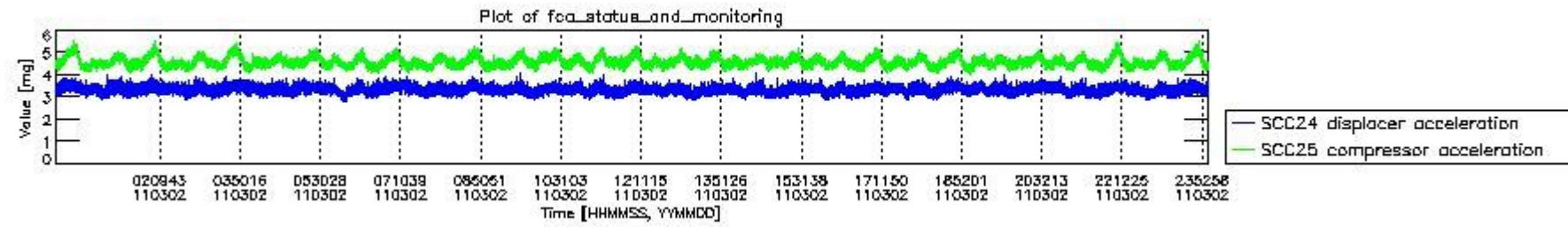
mipas_daily_report_level0_KSPT_L0_4504_N_20110302_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110302_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110302_9.PNG

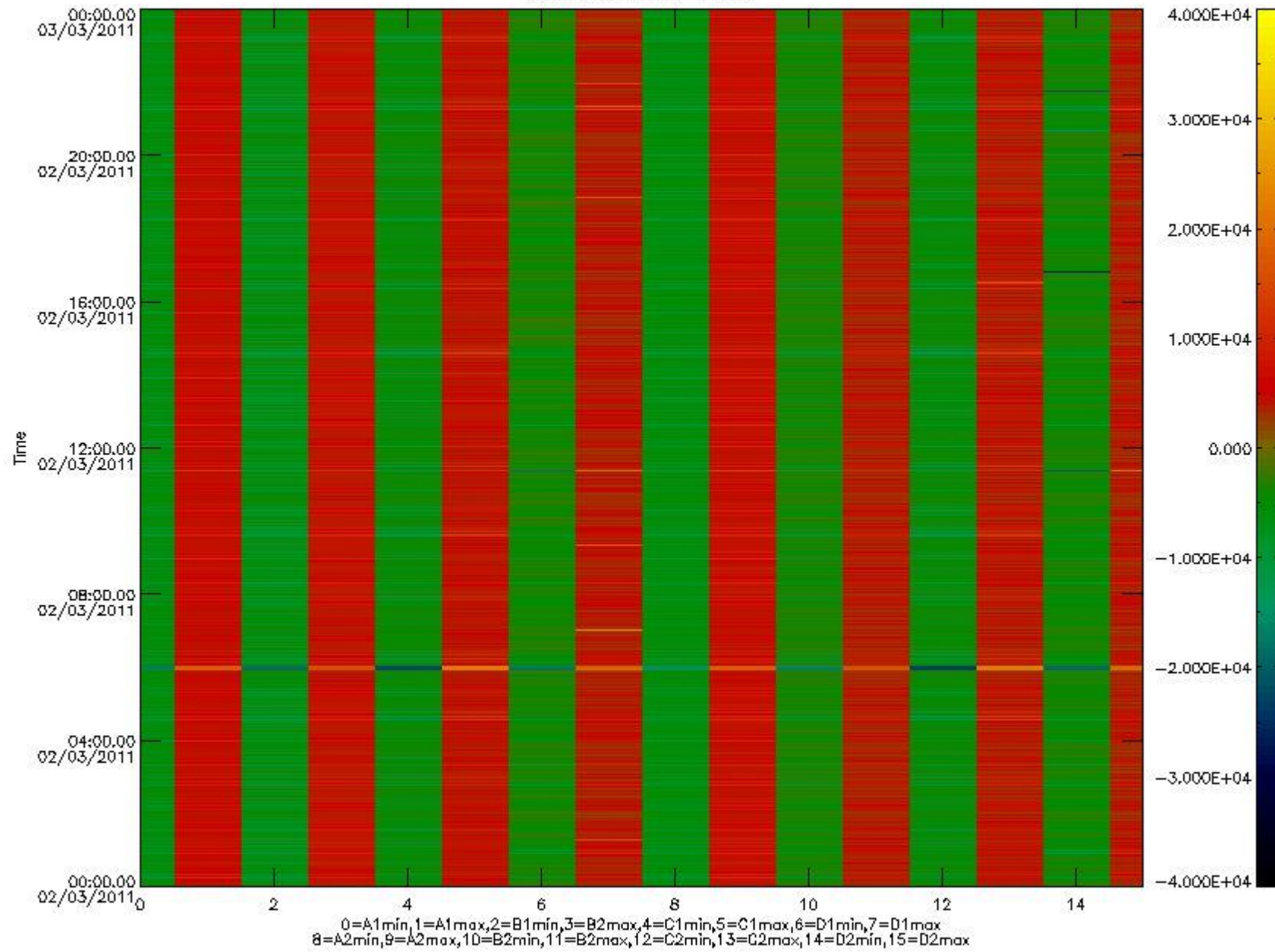


mipas_daily_report_level0_KSPT_L0_4504_N_20110302_10.PNG

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

Channel	Min	Max	ADC
A1	-17467	18453	16bit
B1	-18937	16455	16bit
C1	-23778	22006	16bit
D1	-26837	32767	16bit
A2	-15159	18582	16bit
B2	-17045	16759	16bit
C2	-23093	25151	16bit
D2	-32768	30605	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110302_11.PNG

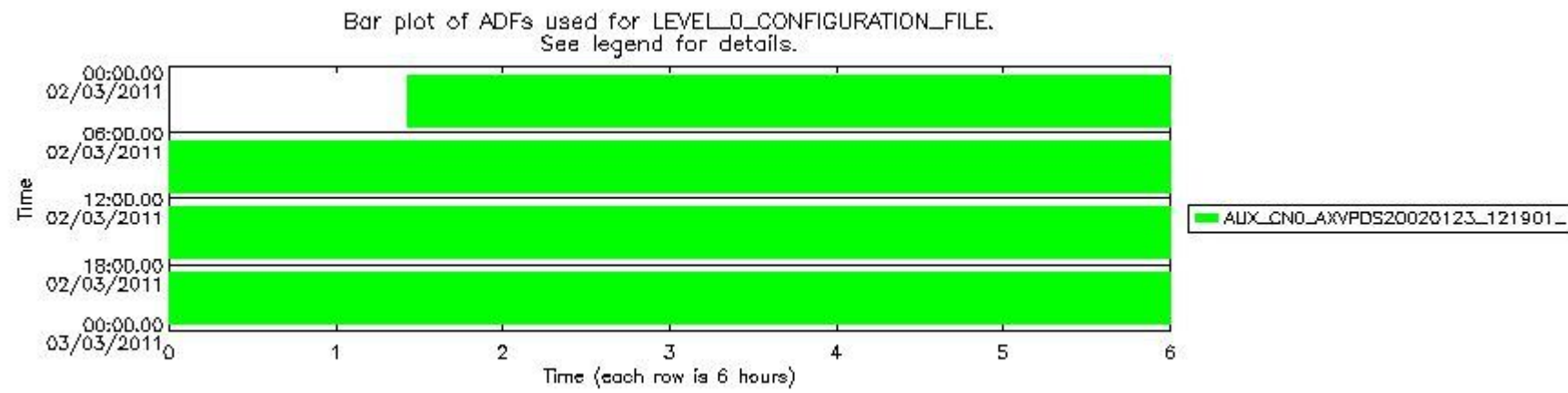
0.3 ADF monitoring

The use of ADFs is shown in two ways:

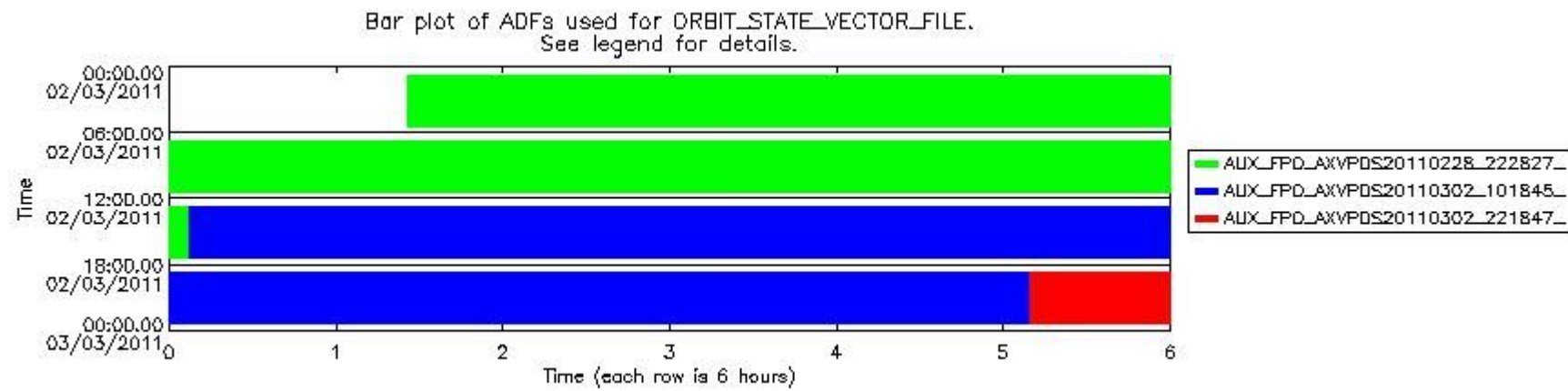
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110228_222827_20110228_193338_20110310_200714
2	AUX_FPO_AXVPDS20110302_101845_20110301_185654_20110311_211044
3	AUX_FPO_AXVPDS20110302_221847_20110302_182010_20110312_203400

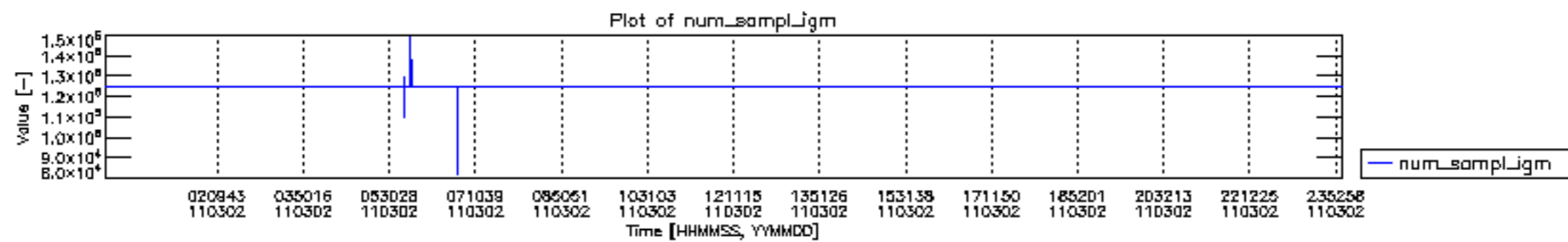
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110302_012537_000102883100_00074_47071_6640.N1	0	1
1	MIP_NL__0PNPDE20110302_041632_000062323100_00076_47073_3020.N1	0	1
2	MIP_NL__0PNPDK20110302_055950_000041163100_00077_47074_4444.N1	0	1
3	MIP_NL__0PNPDK20110302_070753_000060693100_00078_47075_4445.N1	0	1
4	MIP_NL__0PNPDK20110302_084831_000059933100_00079_47076_4446.N1	0	1
5	MIP_NL__0PNPDK20110302_102707_000059543100_00080_47077_4447.N1	0	1
6	MIP_NL__0PNPDK20110302_120524_000059773100_00081_47078_4448.N1	0	2
7	MIP_NL__0PNPDK20110302_134352_000059753100_00082_47079_4449.N1	0	2
8	MIP_NL__0PNPDK20110302_152157_000060813100_00083_47080_4450.N1	0	2
9	MIP_NL__0PNPDK20110302_170140_000057743100_00084_47081_4451.N1	0	2
10	MIP_NL__0PNPDK20110302_183710_000060753100_00085_47082_4452.N1	0	2
11	MIP_NL__0PNPDE20110302_201718_000042113100_00086_47083_3021.N1	0	2
12	MIP_NL__0PNPDE20110302_212622_000062733100_00086_47083_3022.N1	0	2
13	MIP_NL__0PNPDE20110302_230953_000060043100_00087_47084_3023.N1	0	3

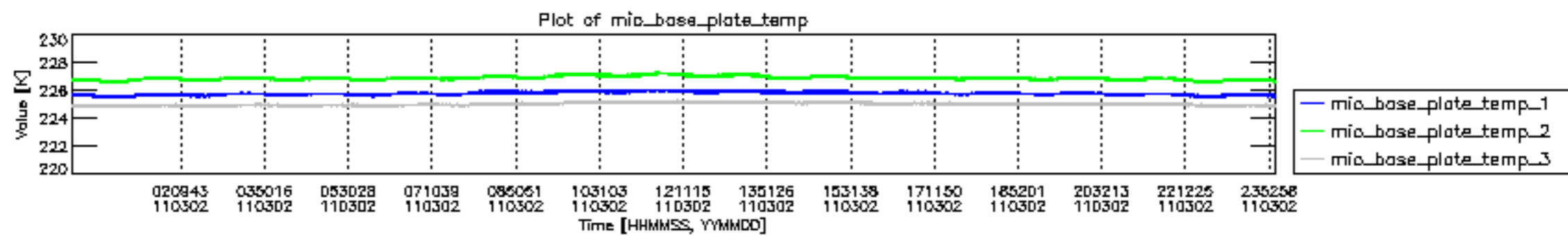


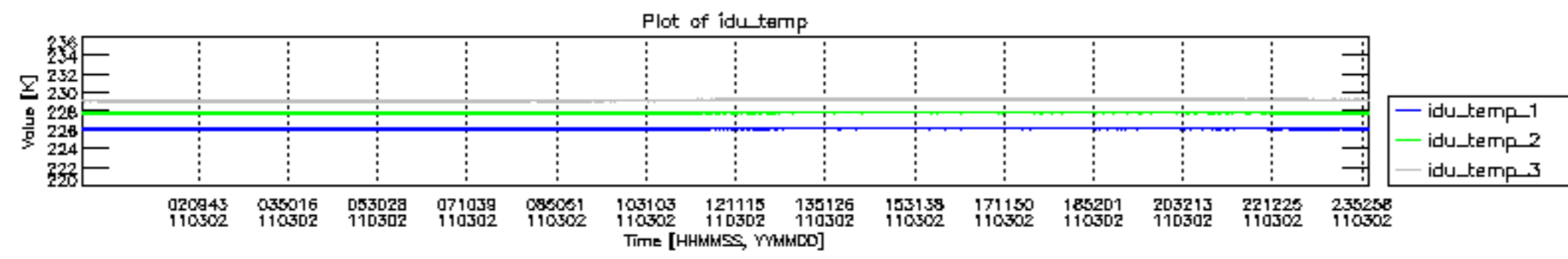
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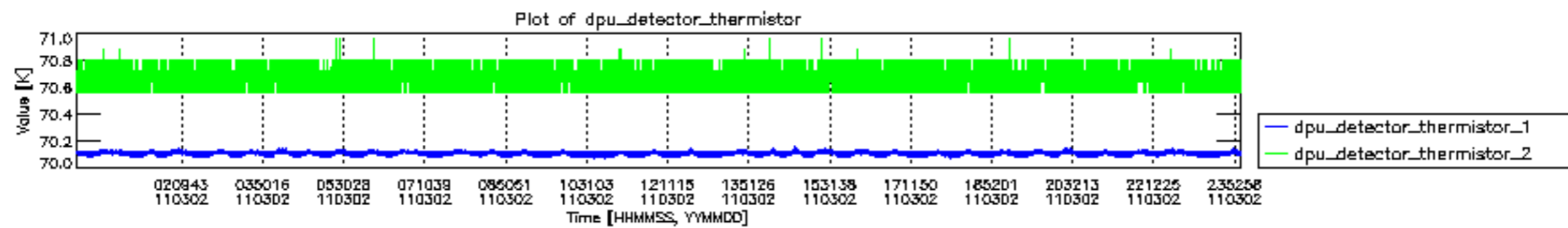


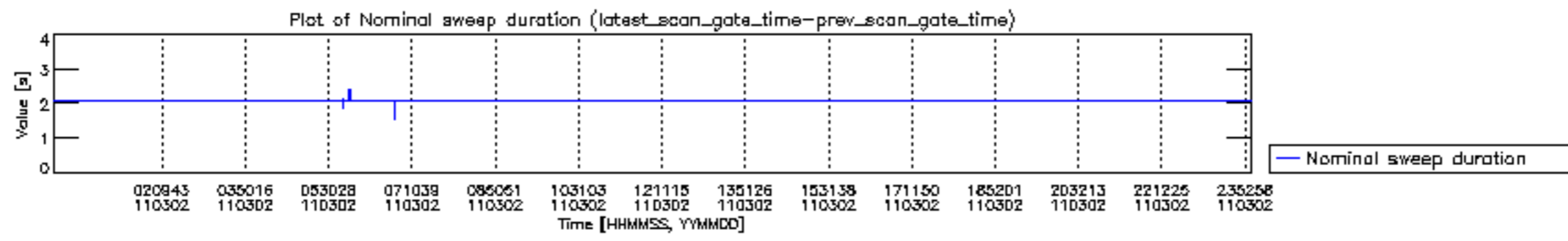
mipas_daily_report_level0_KSPT_L0_4504_N_20110302_13.PNG

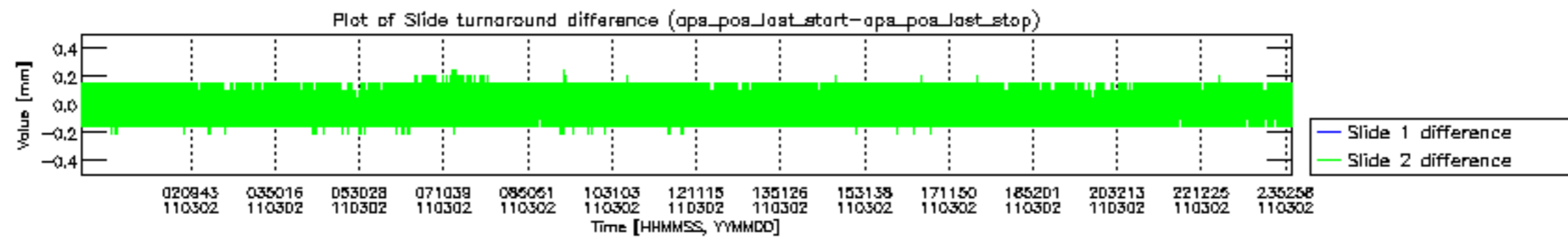


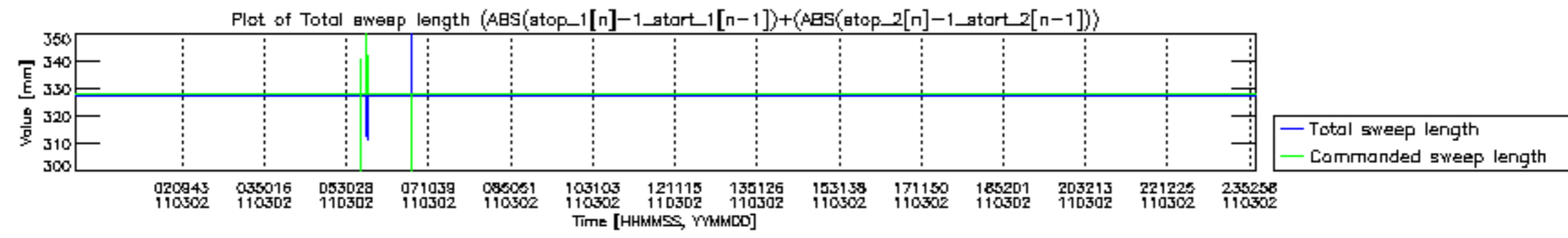


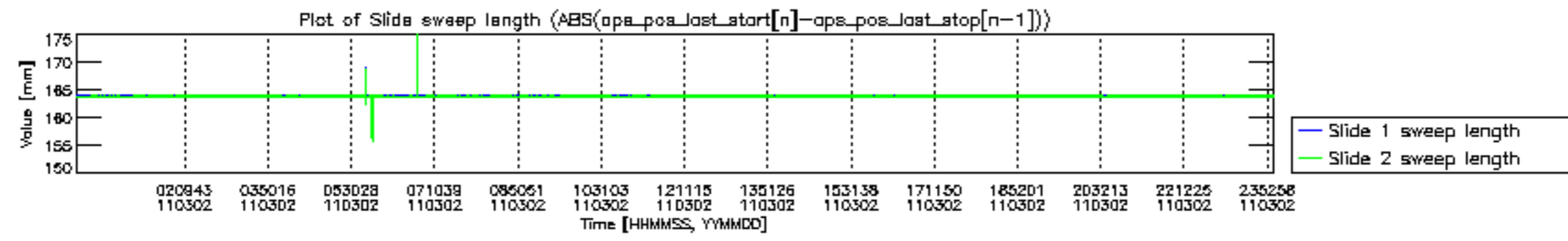


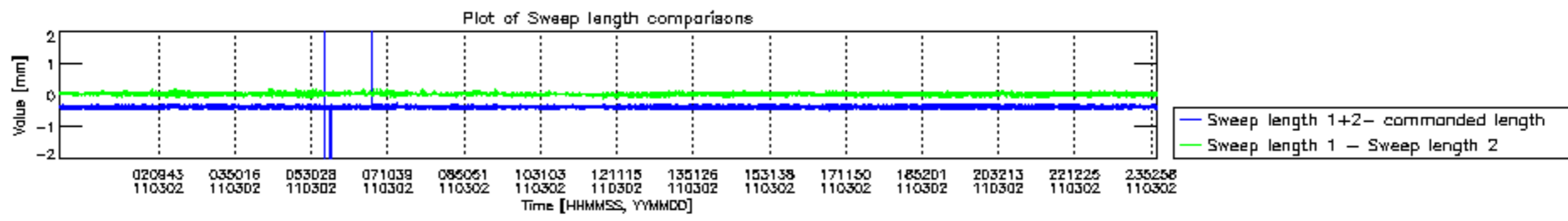


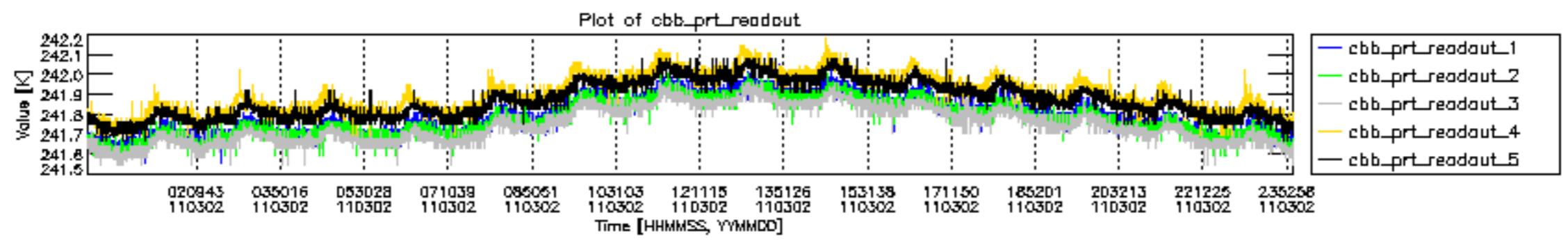


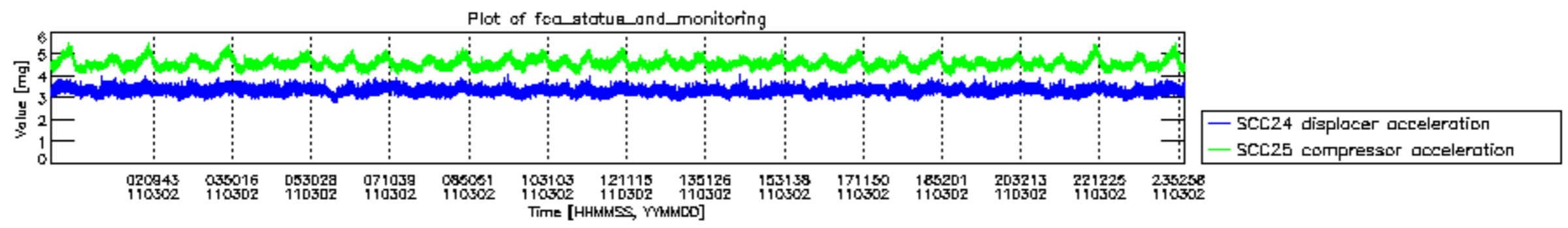












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

