

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	18MAR2011 05:23:49
Data source version	KSPT_L0/4504-N
Processing scope for products	13MAR2011 00:00:00 to 14MAR2011 00:00:00
Start time of first product within scope	13MAR2011 01:21:58
Stop time of last product within scope	14MAR2011 00:47:09
Total number of level 0 products	14
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__OPNPDE20110313_012158_000103303100_00232_47229_3098.N1	13MAR2011 01:21:58	13MAR2011 04:14:09	0	0	0	0	0
1	MIP_NL__OPNPDE20110313_041335_000061933100_00234_47231_3099.N1	13MAR2011 04:13:35	13MAR2011 05:56:48	0	0	0	0	0
2	MIP_NL__OPNPDE20110313_055617_000062173100_00235_47232_3100.N1	13MAR2011 05:56:17	13MAR2011 07:39:54	0	0	0	0	0
3	MIP_NL__OPNPDK20110313_073920_000038753100_00236_47233_4549.N1	13MAR2011 07:39:20	13MAR2011 08:43:56	1	1	0	0	0
4	MIP_NL__OPNPDK20110313_084318_000061133100_00237_47234_4551.N1	13MAR2011 08:43:18	13MAR2011 10:25:11	0	0	0	0	0
5	MIP_NL__OPNPDK20110313_102427_000059853100_00238_47235_4552.N1	13MAR2011 10:24:27	13MAR2011 12:04:12	0	0	0	0	0
6	MIP_NL__OPNPDK20110313_120332_000059183100_00239_47236_4553.N1	13MAR2011 12:03:32	13MAR2011 13:42:10	0	0	0	0	0
7	MIP_NL__OPNPDK20110313_134043_000059683100_00240_47237_4554.N1	13MAR2011 13:40:43	13MAR2011 15:20:11	0	0	0	0	0
8	MIP_NL__OPNPDK20110313_151837_000060083100_00241_47238_4555.N1	13MAR2011 15:18:37	13MAR2011 16:58:45	0	0	0	0	0
9	MIP_NL__OPNPDK20110313_165747_000059083100_00242_47239_4556.N1	13MAR2011 16:57:47	13MAR2011 18:36:14	0	0	0	0	0
10	MIP_NL__OPNPDK20110313_183518_000058723100_00243_47240_4557.N1	13MAR2011 18:35:18	13MAR2011 20:13:10	0	0	0	0	0
11	MIP_NL__OPNPDE20110313_201228_000043243100_00244_47241_3101.N1	13MAR2011 20:12:28	13MAR2011 21:24:33	0	0	0	0	0
12	MIP_NL__OPNPDE20110313_212330_000062693100_00244_47241_3102.N1	13MAR2011 21:23:30	13MAR2011 23:07:59	0	0	0	0	0
13	MIP_NL__OPNPDE20110313_230701_000060083100_00245_47242_3103.N1	13MAR2011 23:07:01	14MAR2011 00:47:09	0	0	0	0	0

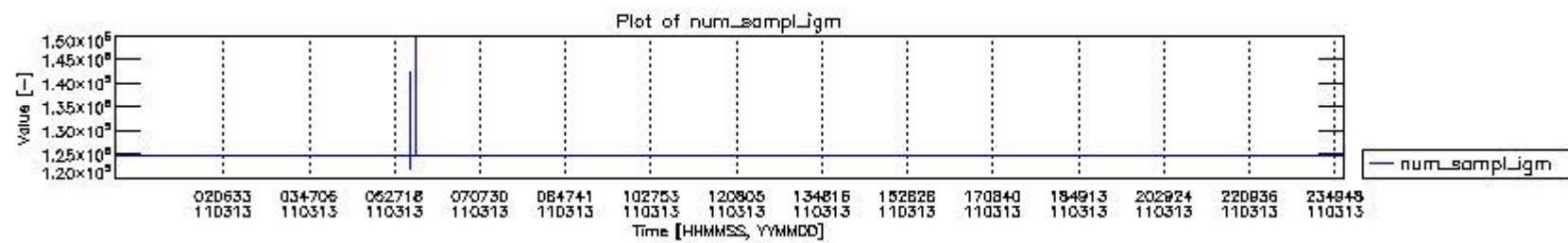
0.2 Instrument Operational Performance Parameters

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.

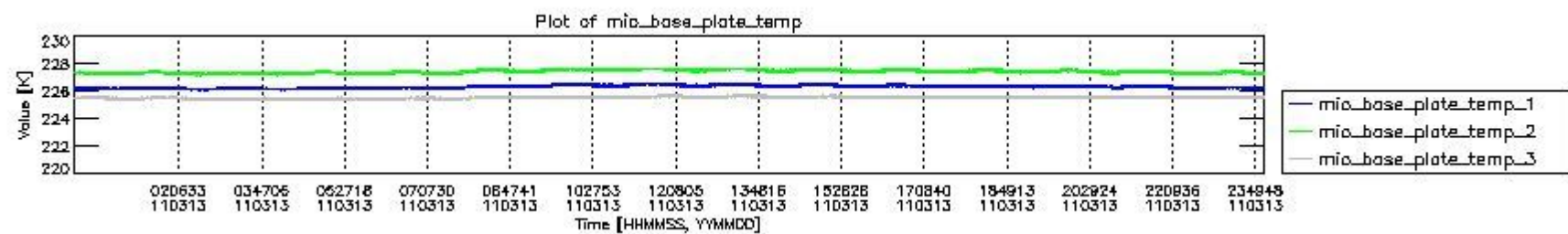
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
122178	1	0.0024011910
124800	38683	92.885271
124803	2957	7.1003218
127085	1	0.0024011910

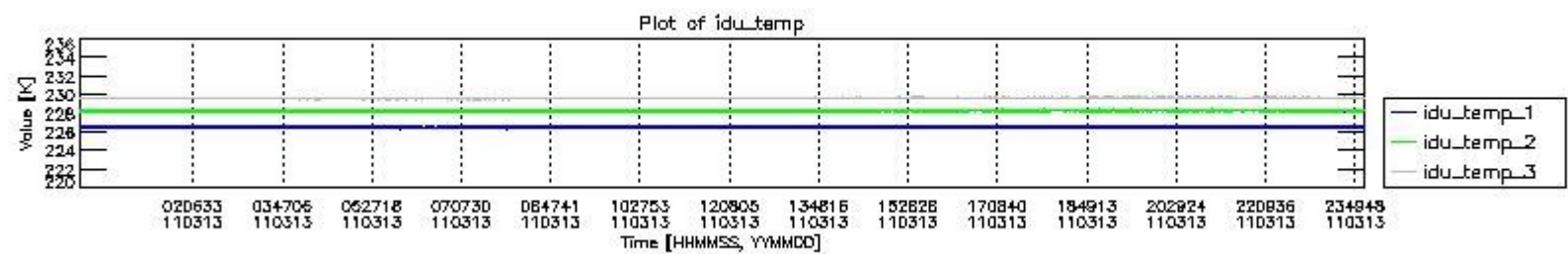
139688	1	0.0024011910
142310	1	0.0024011910
147217	1	0.0024011910
149502	1	0.0024011910



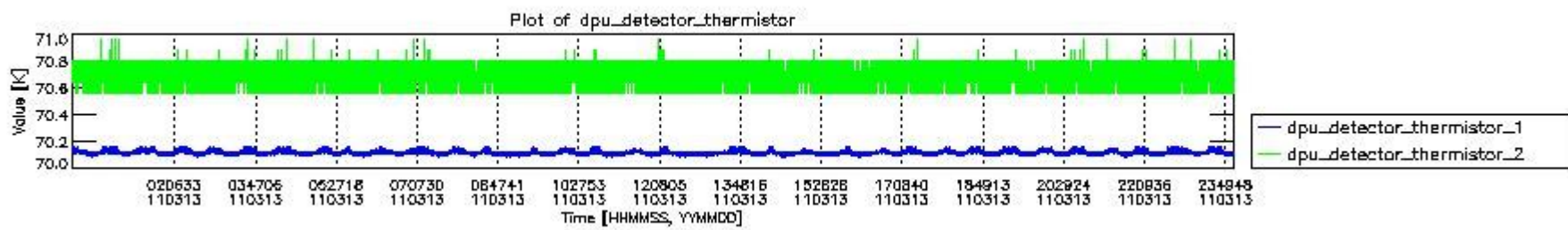
mipas_daily_report_level0_KSPT_L0_4504_N_20110313_0.PNG



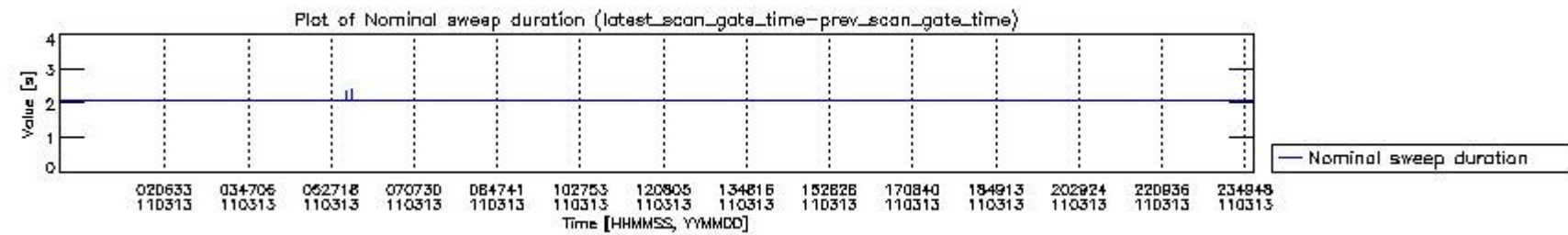
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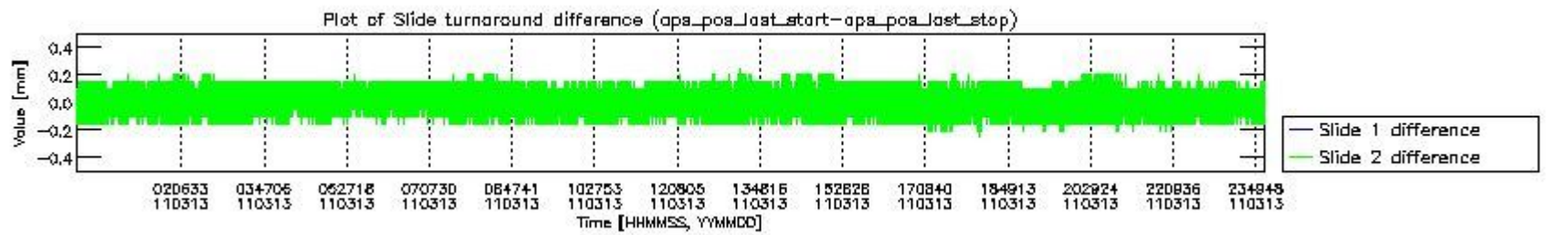
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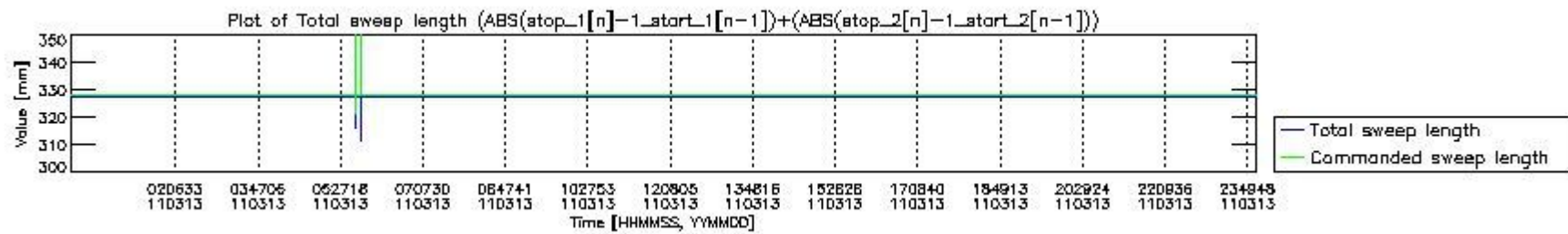
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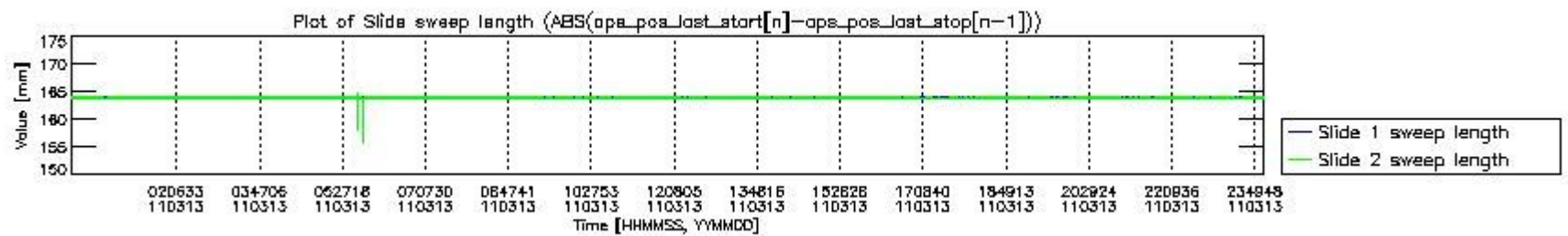
mipas_daily_report_level0_KSPT_L0_4504_N_20110313_4.PNG



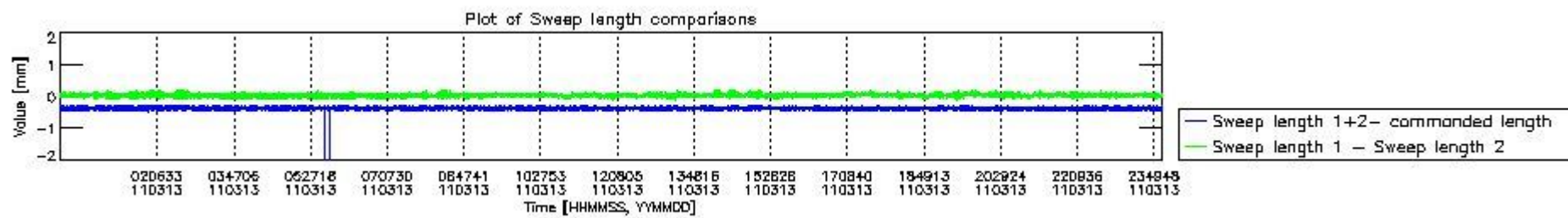
mipas_daily_report_level0_KSPT_L0_4504_N_20110313_5.PNG



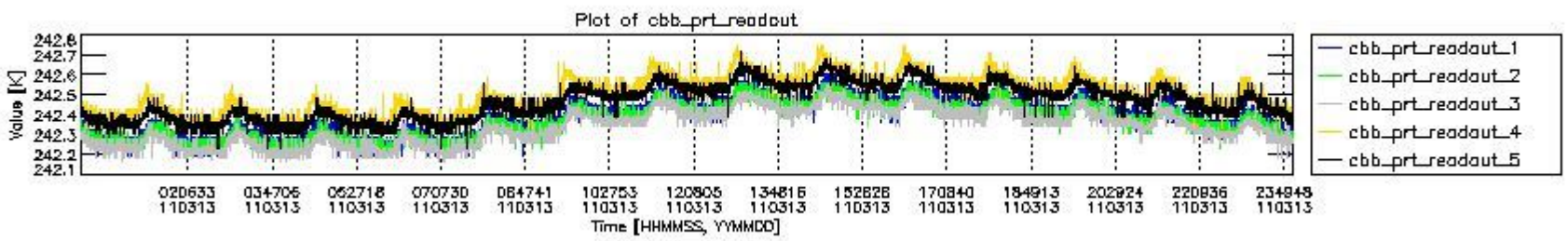
mipas_daily_report_level0_KSPT_L0_4504_N_20110313_6.PNG



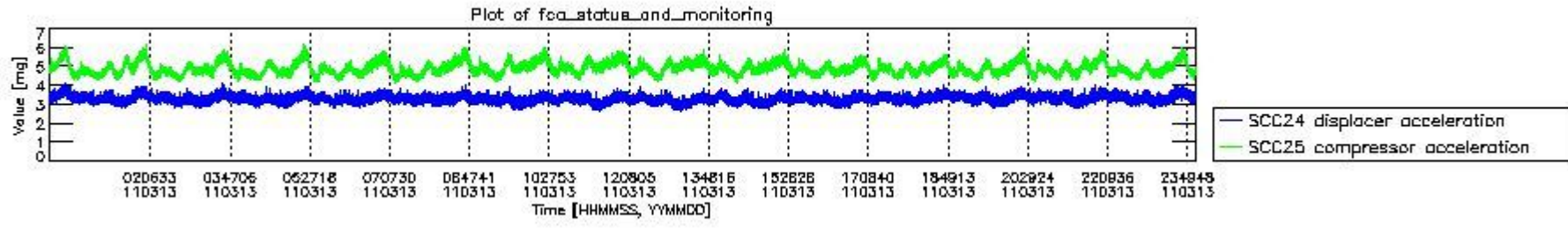
mipas_daily_report_level0_KSPT_L0_4504_N_20110313_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110313_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110313_9.PNG

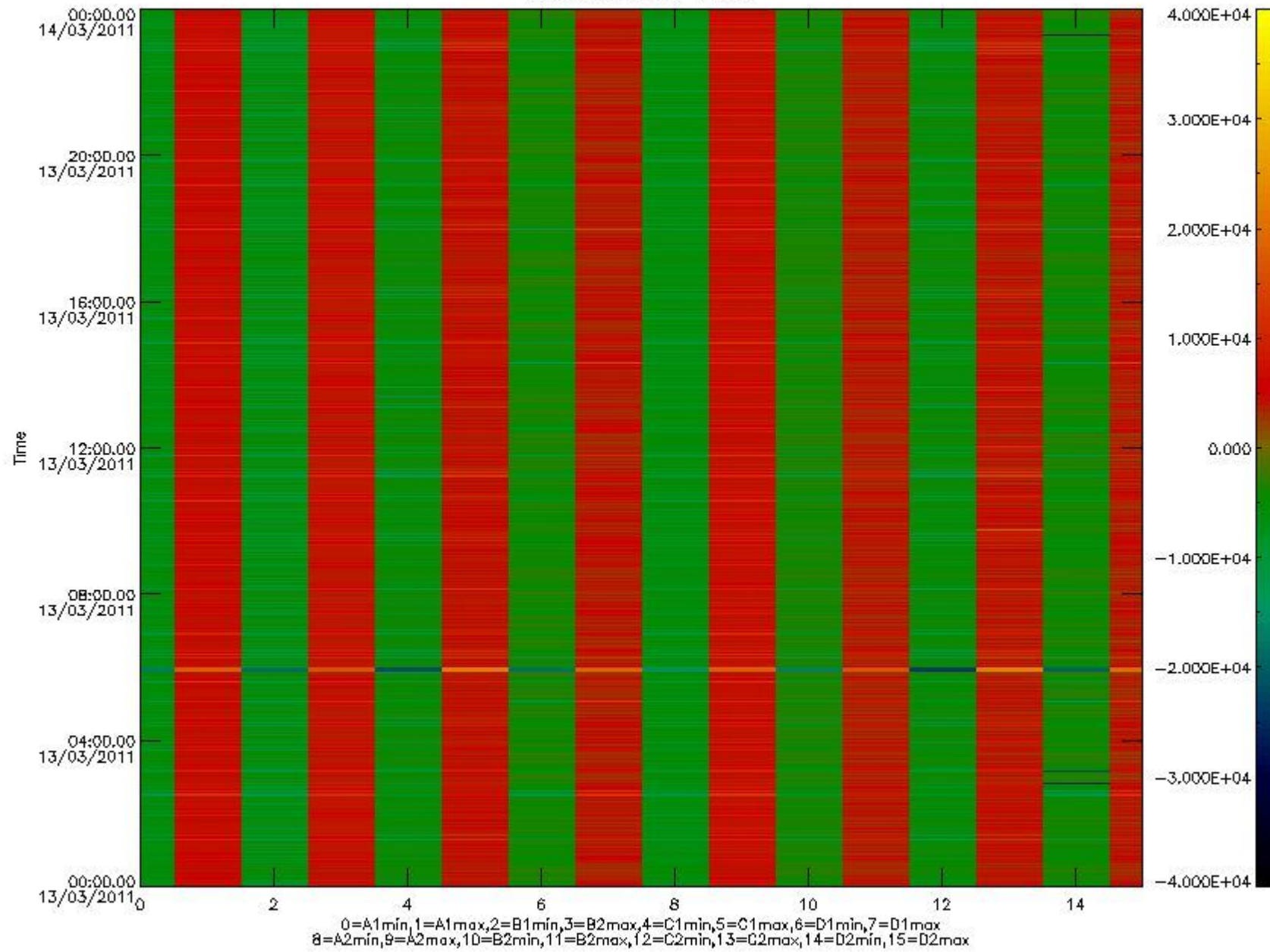


mipas_daily_report_level0_KSPT_L0_4504_N_20110313_10.PNG

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

Channel	Min	Max	ADC
A1	-17540	18541	16bit
B1	-19174	16663	16bit
C1	-24161	22481	16bit
D1	-32768	32767	16bit
A2	-15236	18709	16bit
B2	-17301	17007	16bit
C2	-23566	23468	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_20110313_11.PNG

0.3 ADF monitoring

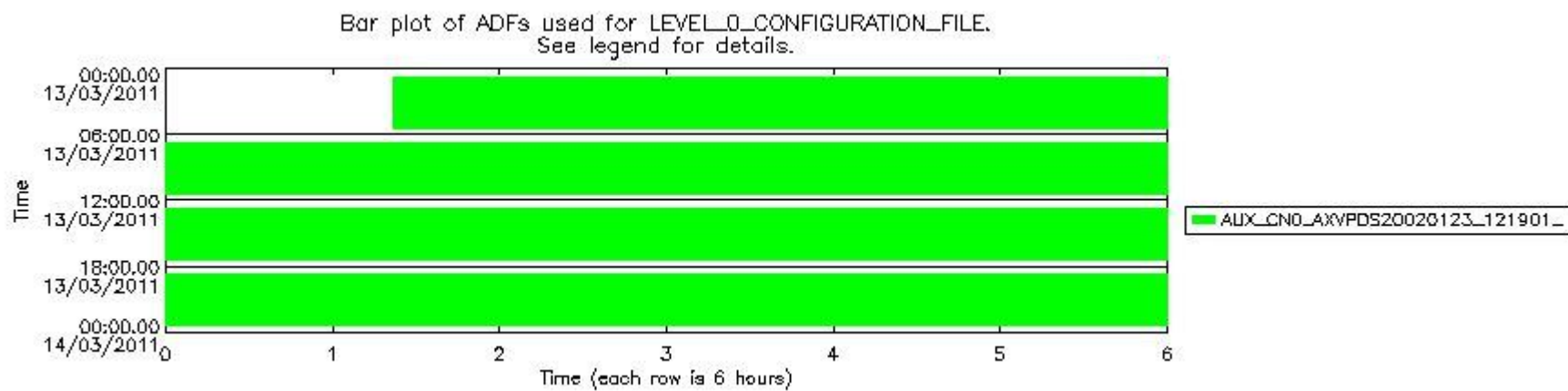
The use of ADFs is shown in two ways:

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.

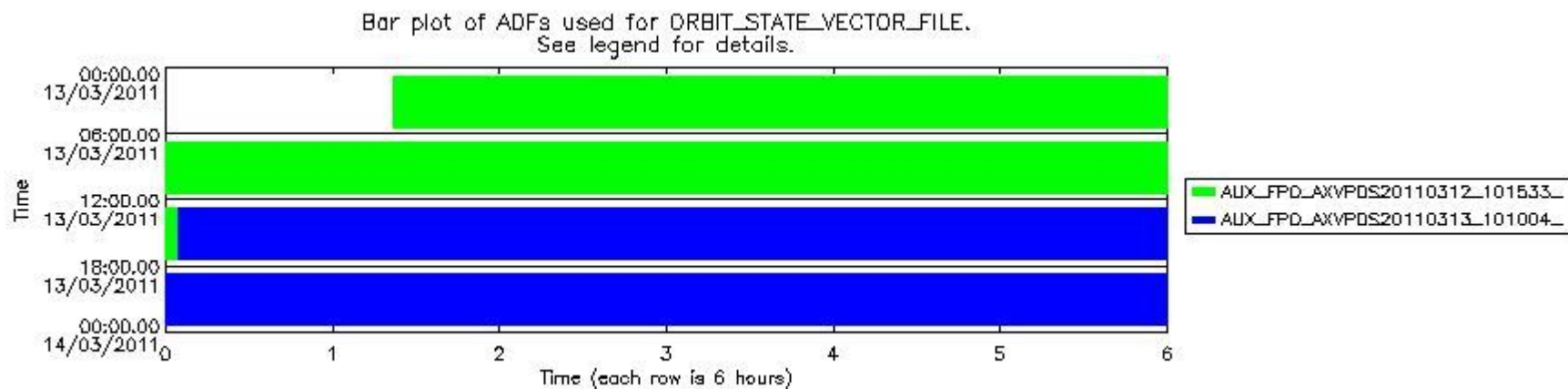
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110312_101533_20110311_193030_20110321_200406
2	AUX_FPO_AXVPDS20110313_101004_20110312_185346_20110322_210736

Number	Product name	#CN0	#FPO
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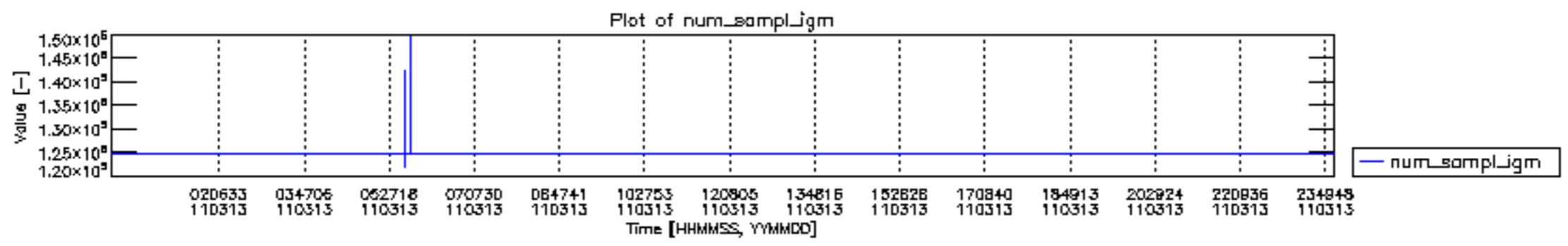
0	MIP_NL__0PNPDE20110313_012158_000103303100_00232_47229_3098.N1	0	1
1	MIP_NL__0PNPDE20110313_041335_000061933100_00234_47231_3099.N1	0	1
2	MIP_NL__0PNPDE20110313_055617_000062173100_00235_47232_3100.N1	0	1
3	MIP_NL__0PNPDK20110313_073920_000038753100_00236_47233_4549.N1	0	1
4	MIP_NL__0PNPDK20110313_084318_000061133100_00237_47234_4551.N1	0	1
5	MIP_NL__0PNPDK20110313_102427_000059853100_00238_47235_4552.N1	0	1
6	MIP_NL__0PNPDK20110313_120332_000059183100_00239_47236_4553.N1	0	2
7	MIP_NL__0PNPDK20110313_134043_000059683100_00240_47237_4554.N1	0	2
8	MIP_NL__0PNPDK20110313_151837_000060083100_00241_47238_4555.N1	0	2
9	MIP_NL__0PNPDK20110313_165747_000059083100_00242_47239_4556.N1	0	2
10	MIP_NL__0PNPDK20110313_183518_000058723100_00243_47240_4557.N1	0	2
11	MIP_NL__0PNPDE20110313_201228_000043243100_00244_47241_3101.N1	0	2
12	MIP_NL__0PNPDE20110313_212330_000062693100_00244_47241_3102.N1	0	2
13	MIP_NL__0PNPDE20110313_230701_000060083100_00245_47242_3103.N1	0	2

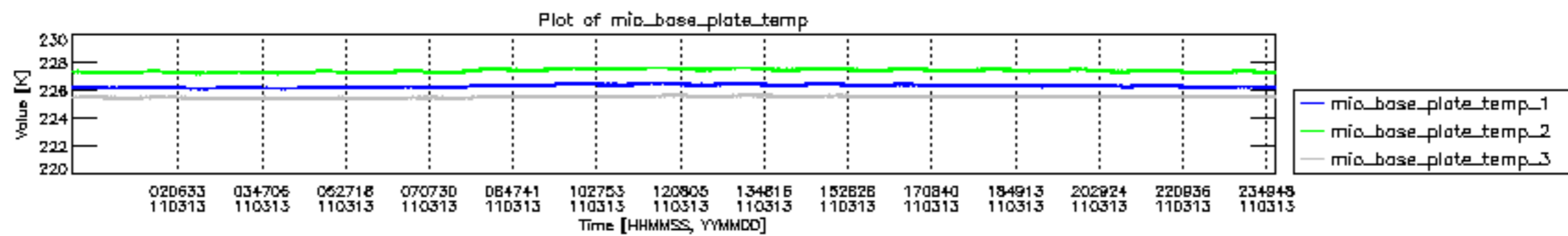


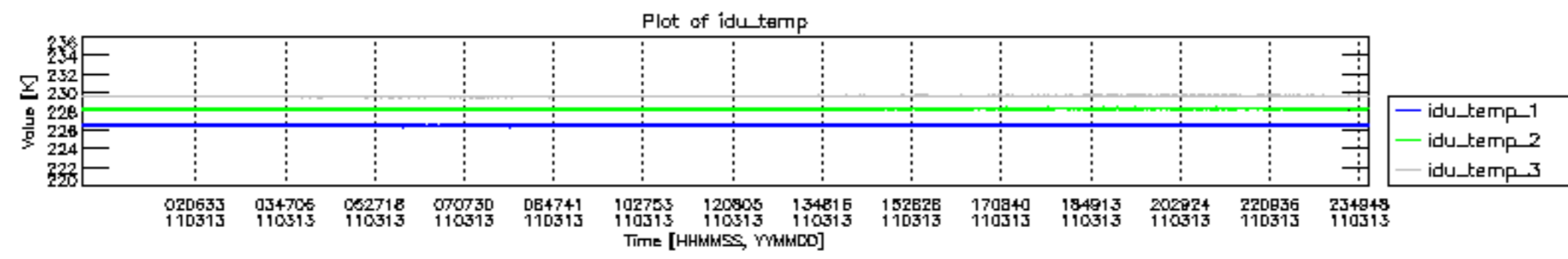
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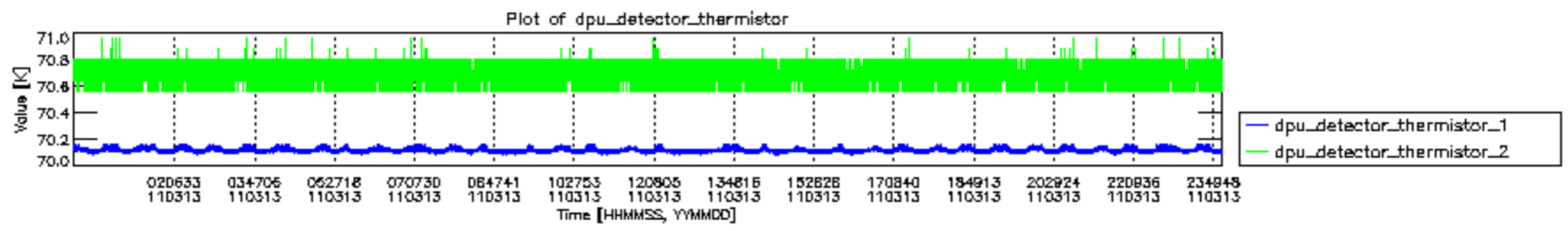


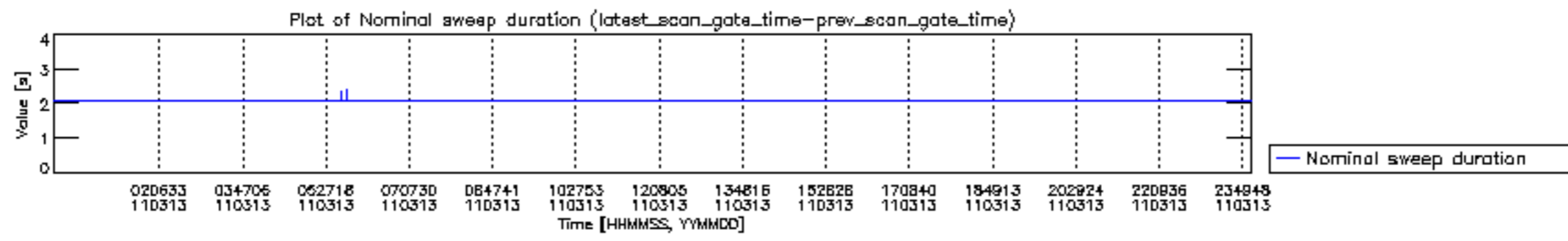
mipas_daily_report_level0_KSPT_L0_4504_N_20110313_13.PNG

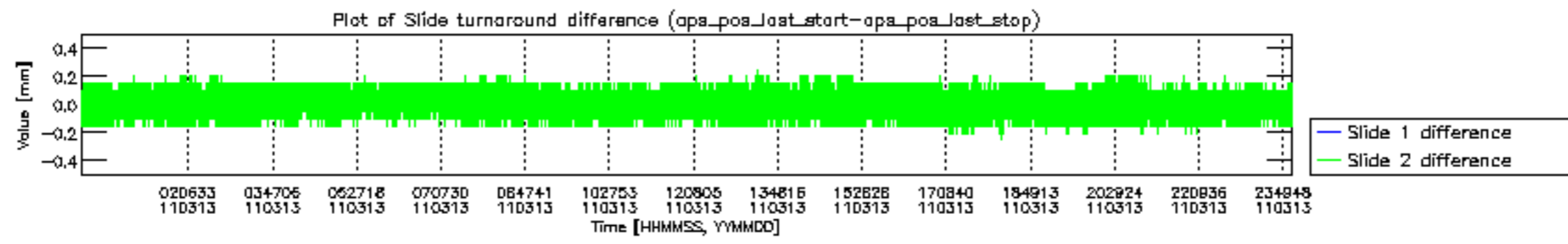


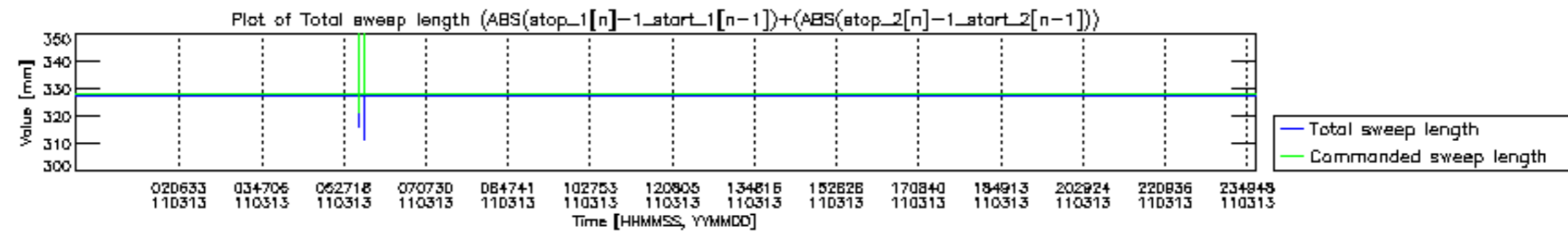


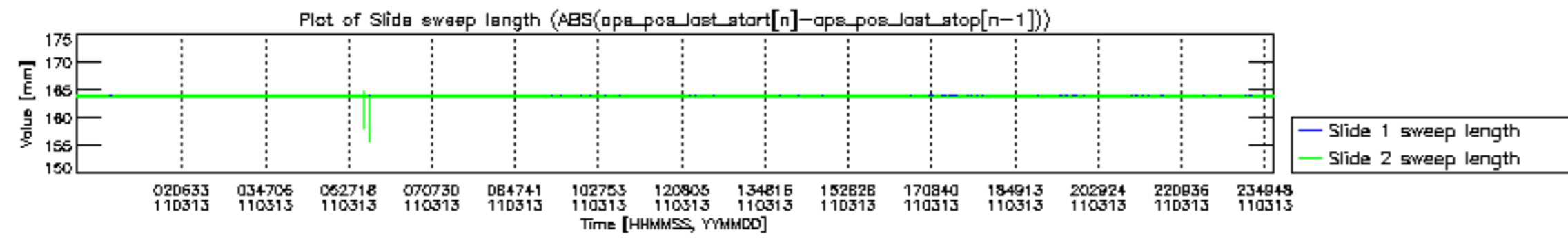


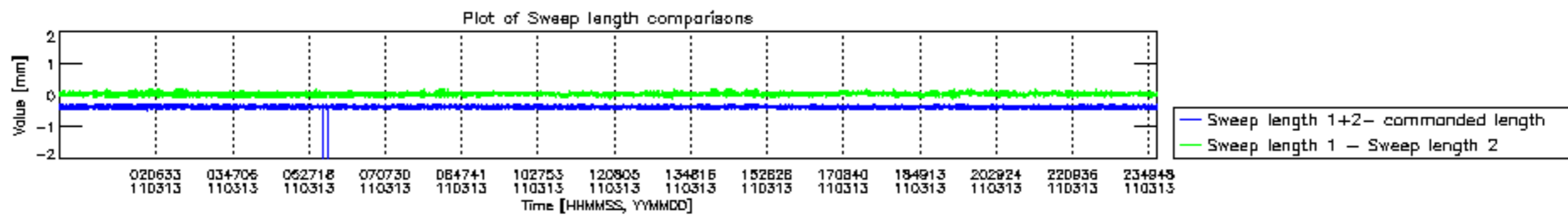


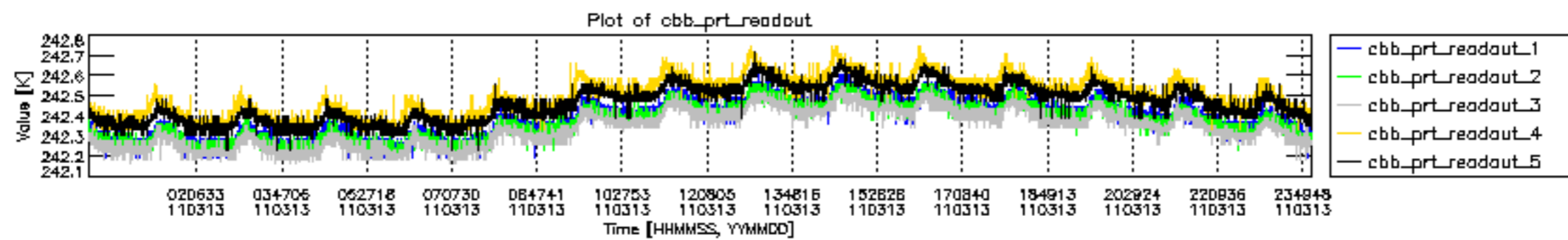


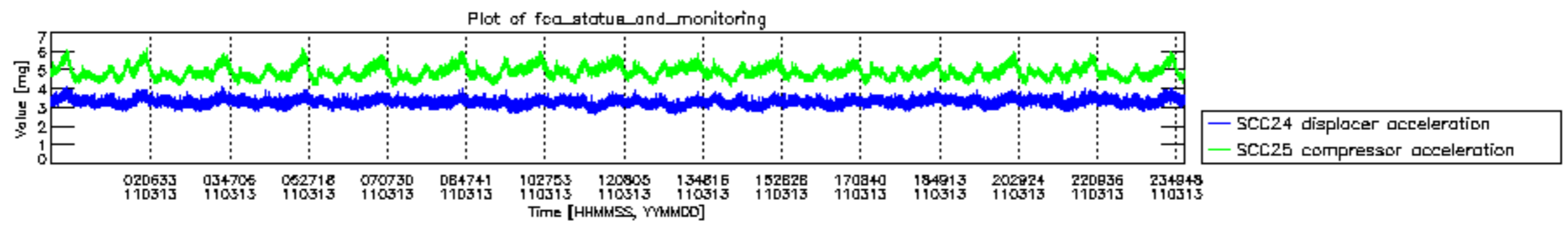












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.



