

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	08OCT2011 05:23:49
Data source version	KSPT_L0/4504-N
Processing scope for products	03OCT2011 00:00:00 to 04OCT2011 00:00:00
Start time of first product within scope	03OCT2011 00:04:52
Stop time of last product within scope	04OCT2011 01:09:35
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__0PNPDE20111003_000452_000059583107_00145_50159_9759.N1	03OCT2011 00:04:52	03OCT2011 01:44:10	0	0	0	0	0
1	MIP_NL__0PNPDE20111003_014303_000044623107_00146_50160_9760.N1	03OCT2011 01:43:03	03OCT2011 02:57:25	0	0	0	0	0
2	MIP_NL__0PNPDE20111003_025652_000061613107_00147_50161_9761.N1	03OCT2011 02:56:52	03OCT2011 04:39:32	0	0	0	0	0
3	MIP_NL__0PNPDE20111003_043859_000060563107_00148_50162_9762.N1	03OCT2011 04:38:59	03OCT2011 06:19:55	0	0	0	0	0
4	MIP_NL__0PNPDK20111003_061924_000024333107_00149_50163_7196.N1	03OCT2011 06:19:24	03OCT2011 06:59:56	0	0	0	0	0
5	MIP_NL__0PNPDK20111003_101904_000016563107_00152_50166_7197.N1	03OCT2011 10:19:04	03OCT2011 10:46:40	0	0	0	0	0
6	MIP_NL__0PNPDK20111003_104506_000060243107_00152_50166_7199.N1	03OCT2011 10:45:06	03OCT2011 12:25:30	0	0	0	0	0
7	MIP_NL__0PNPDK20111003_122413_000060583107_00153_50167_7200.N1	03OCT2011 12:24:13	03OCT2011 14:05:11	0	0	0	0	0
8	MIP_NL__0PNPDK20111003_140415_000059003107_00154_50168_7201.N1	03OCT2011 14:04:15	03OCT2011 15:42:34	0	0	0	0	0
9	MIP_NL__0PNPDK20111003_154056_000059003107_00155_50169_7203.N1	03OCT2011 15:40:56	03OCT2011 17:19:16	0	0	0	0	0
10	MIP_NL__0PNPDK20111003_185622_000061233107_00157_50171_7205.N1	03OCT2011 18:56:22	03OCT2011 20:38:25	0	0	0	0	0
11	MIP_NL__0PNPDE20111003_203743_000042143107_00158_50172_9763.N1	03OCT2011 20:37:43	03OCT2011 21:47:57	0	0	0	0	0
12	MIP_NL__0PNPDE20111003_214659_000061523107_00158_50172_9764.N1	03OCT2011 21:46:59	03OCT2011 23:29:31	0	0	0	0	0
13	MIP_NL__0PNPDE20111003_232828_000060673107_00159_50173_9765.N1	03OCT2011 23:28:28	04OCT2011 01:09:35	0	0	0	0	0

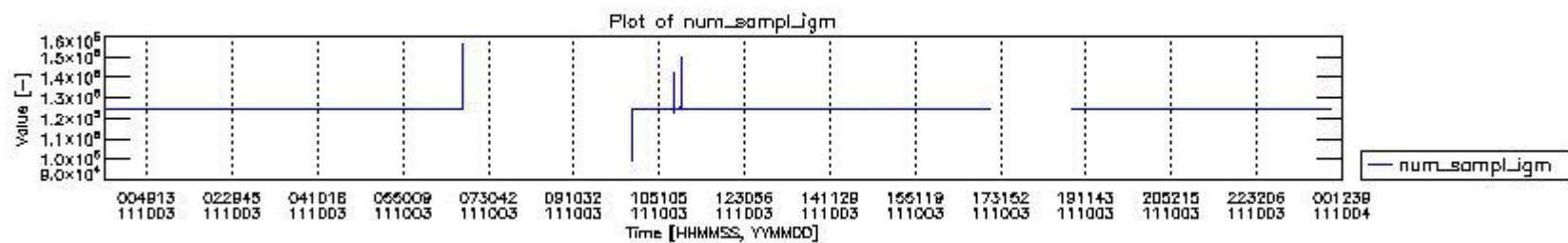
0.2 Instrument Operational Performance Parameters

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.

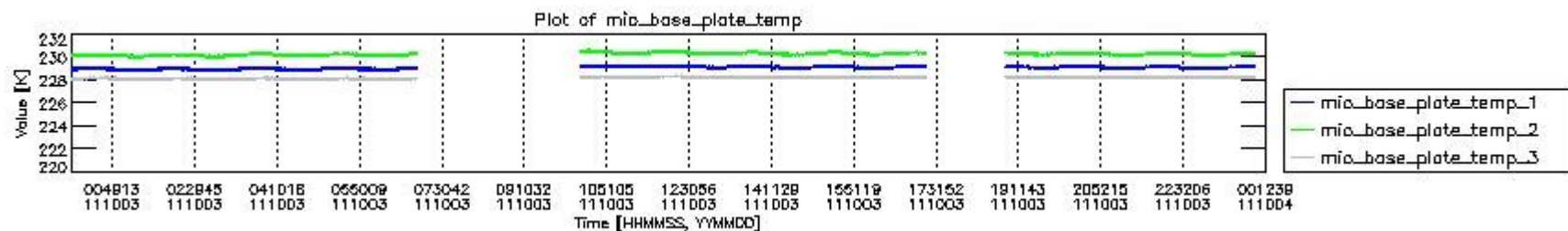
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
99145	1	0.0030293850
122475	1	0.0030293850
123994	1	0.0030293850
124397	1	0.0030293850

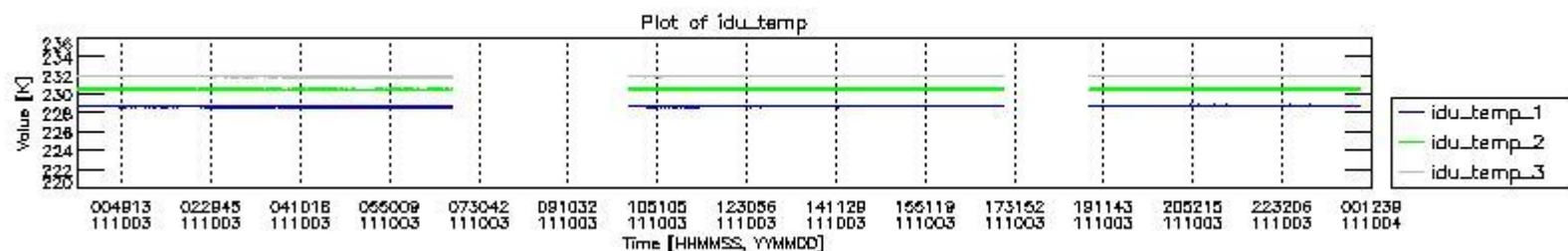
124800	30660	92.880945
124803	2338	7.0827022
127159	1	0.0030293850
130504	1	0.0030293850
140282	1	0.0030293850
142607	1	0.0030293850
147291	1	0.0030293850
149650	1	0.0030293850
150636	1	0.0030293850
156340	1	0.0030293850



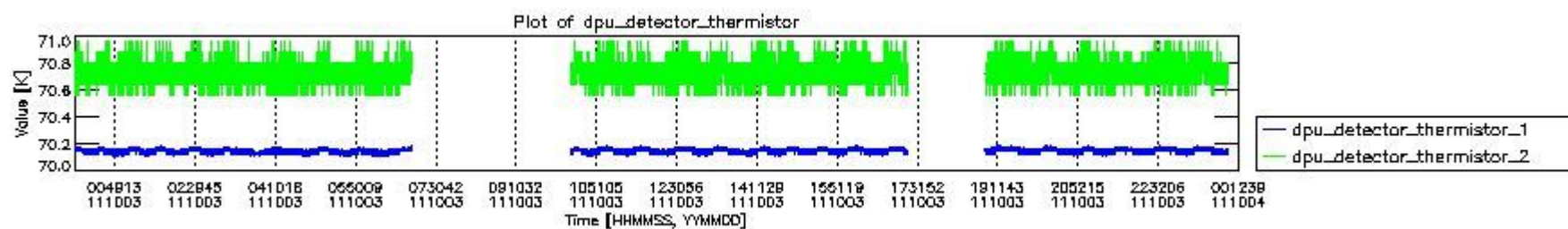
mipas_daily_report_level0_KSPT_L0_4504_N_20111003_0.PNG



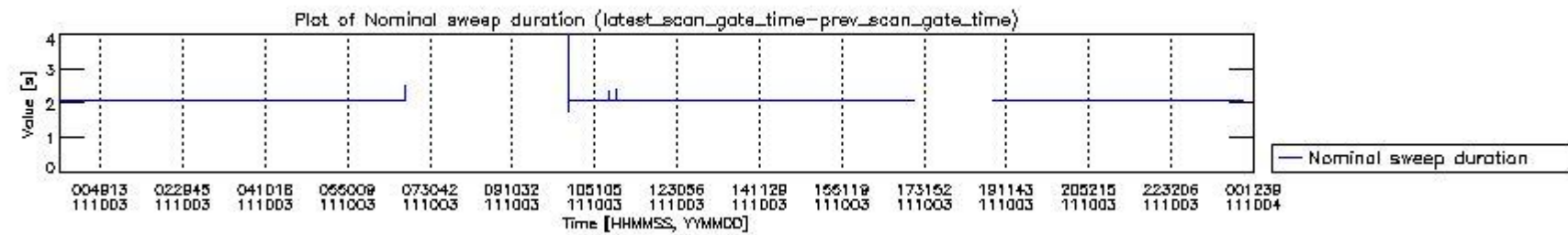
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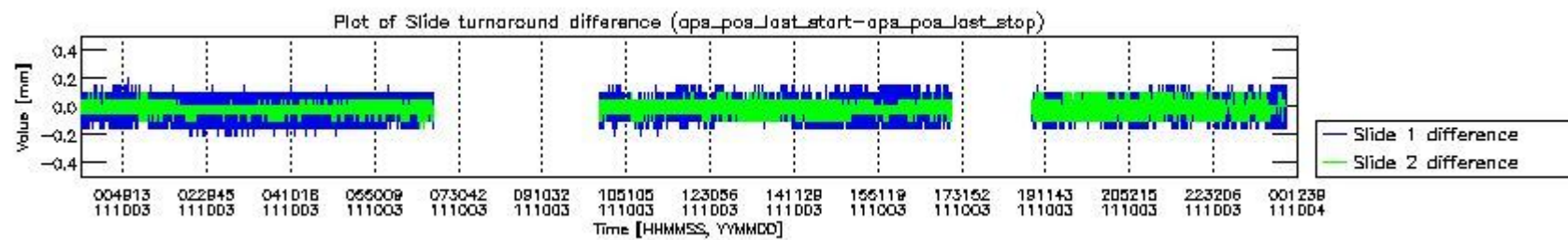
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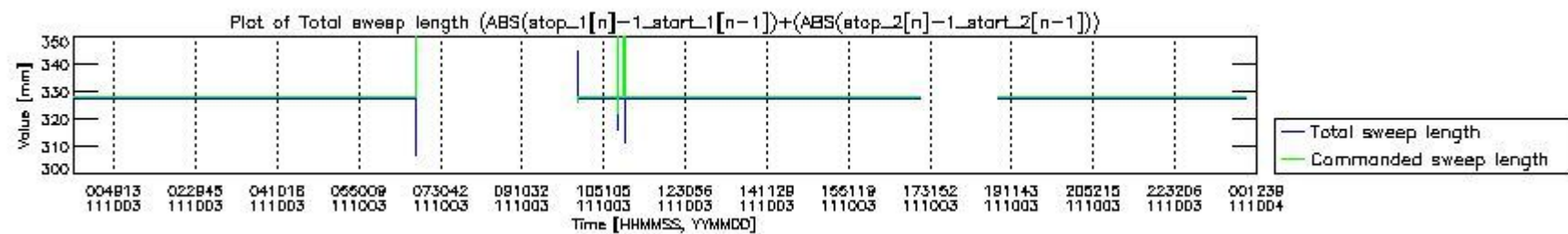
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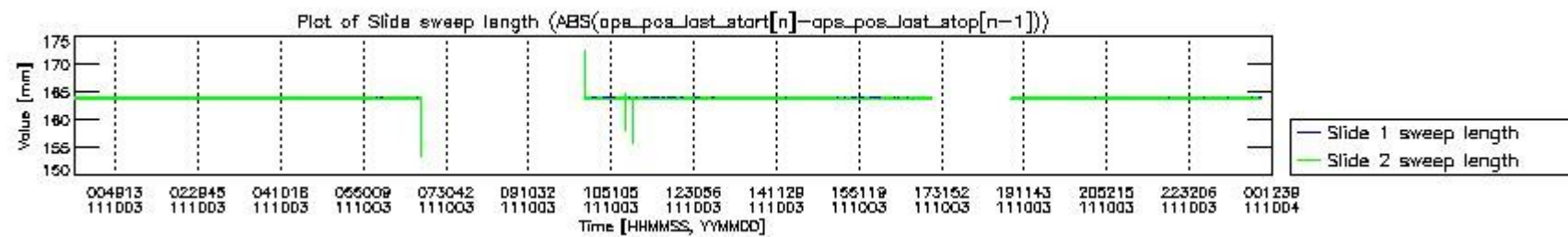
mipas_daily_report_level0_KSPT_L0_4504_N_20111003_4.PNG



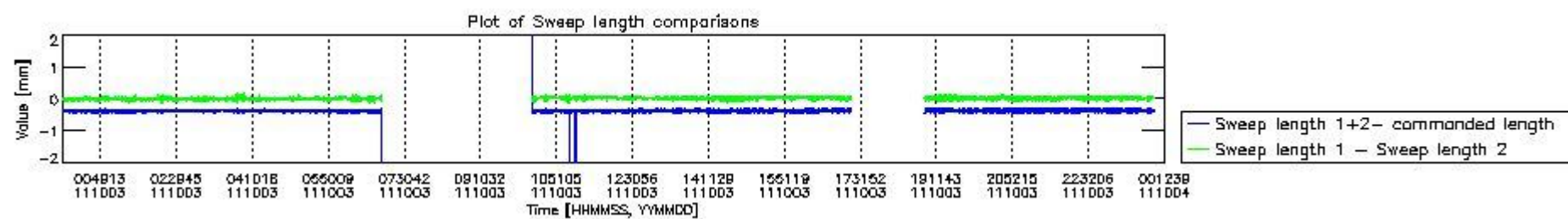
mipas_daily_report_level0_KSPT_L0_4504_N_20111003_5.PNG



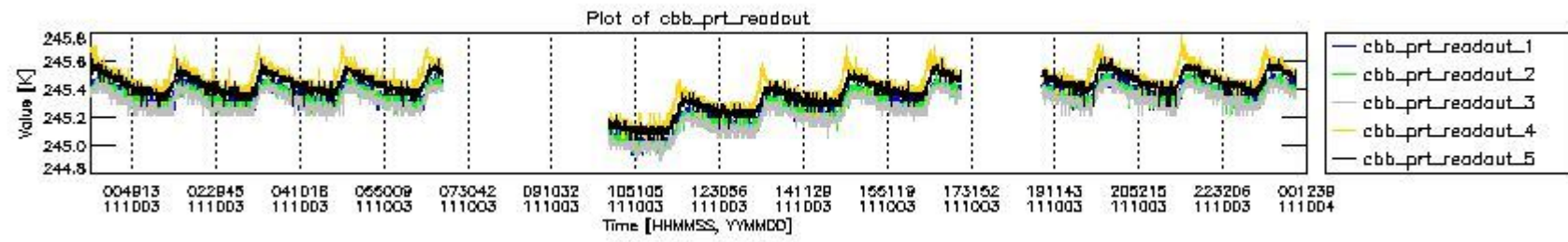
mipas_daily_report_level0_KSPT_L0_4504_N_20111003_6.PNG



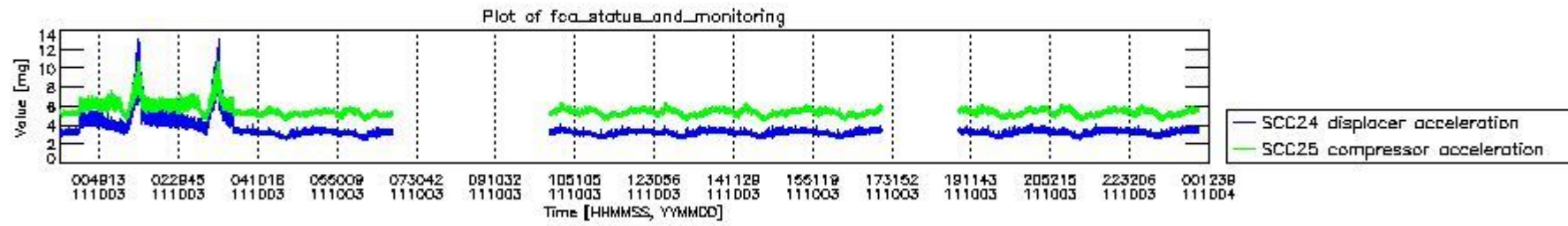
mipas_daily_report_level0_KSPT_L0_4504_N_20111003_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111003_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111003_9.PNG

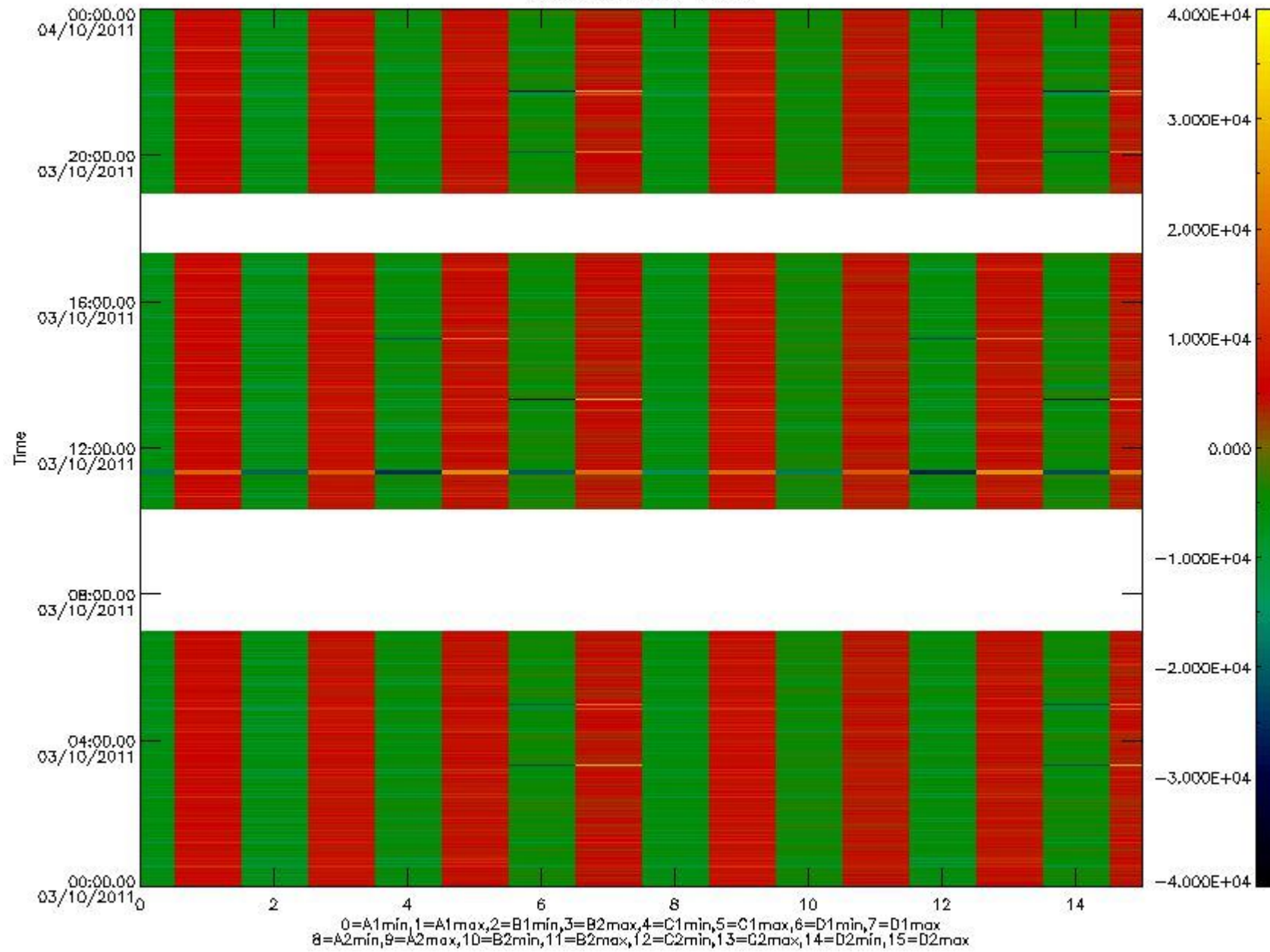


mipas_daily_report_level0_KSPT_L0_4504_N_20111003_10.PNG

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

Channel	Min	Max	ADC
A1	-32768	32767	16bit
B1	-32768	32767	16bit
C1	-25157	25067	16bit
D1	-32768	32767	16bit
A2	-32768	28249	16bit
B2	-32768	32767	16bit
C2	-26189	25800	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_20111003_11.PNG

0.3 ADF monitoring

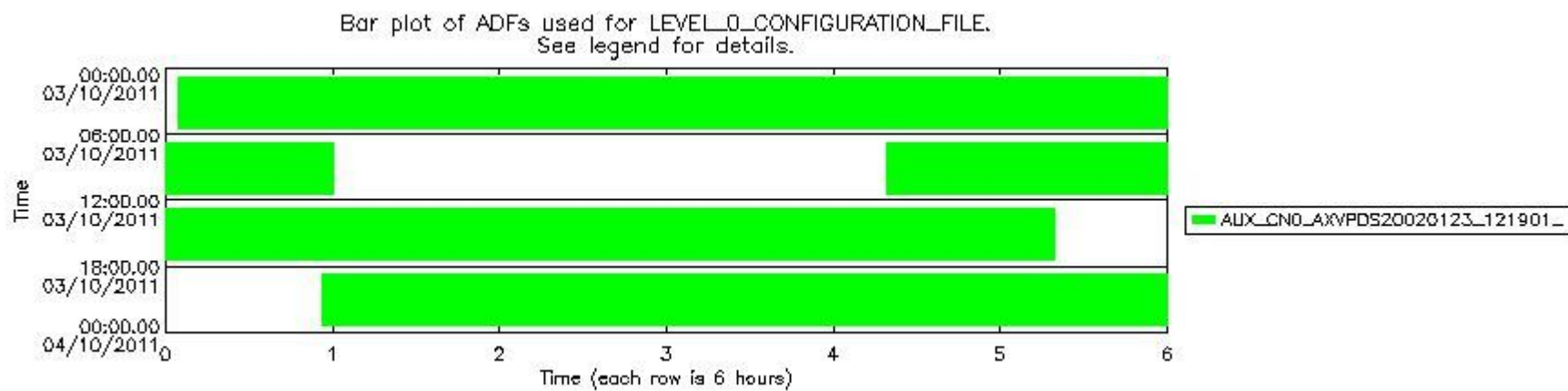
The use of ADFs is shown in two ways:

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.

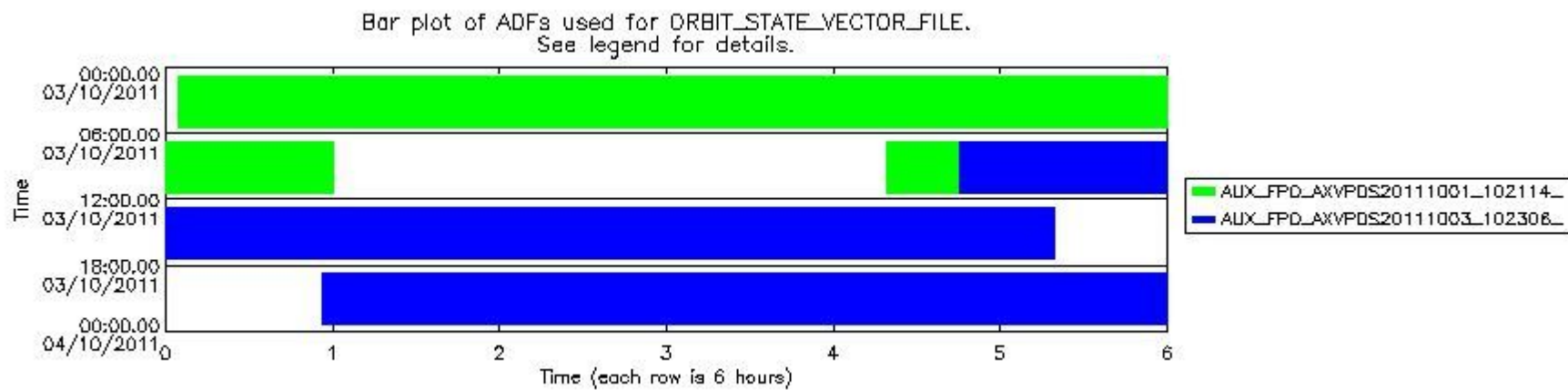
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111001_102114_20110930_185003_20111010_210347
2	AUX_FPO_AXVPDS20111003_102306_20111002_191648_20111012_213031

Number	Product name	#CN0	#FPO
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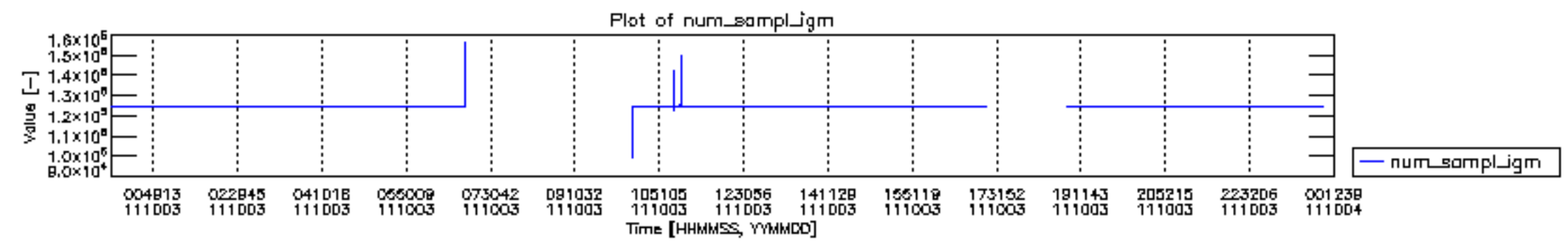
0	MIP_NL__0PNPDE20111003_000452_000059583107_00145_50159_9759.N1	0	1
1	MIP_NL__0PNPDE20111003_014303_000044623107_00146_50160_9760.N1	0	1
2	MIP_NL__0PNPDE20111003_025652_000061613107_00147_50161_9761.N1	0	1
3	MIP_NL__0PNPDE20111003_043859_000060563107_00148_50162_9762.N1	0	1
4	MIP_NL__0PNPDK20111003_061924_000024333107_00149_50163_7196.N1	0	1
5	MIP_NL__0PNPDK20111003_101904_000016563107_00152_50166_7197.N1	0	1
6	MIP_NL__0PNPDK20111003_104506_000060243107_00152_50166_7199.N1	0	2
7	MIP_NL__0PNPDK20111003_122413_000060583107_00153_50167_7200.N1	0	2
8	MIP_NL__0PNPDK20111003_140415_000059003107_00154_50168_7201.N1	0	2
9	MIP_NL__0PNPDK20111003_154056_000059003107_00155_50169_7203.N1	0	2
10	MIP_NL__0PNPDK20111003_185622_000061233107_00157_50171_7205.N1	0	2
11	MIP_NL__0PNPDE20111003_203743_000042143107_00158_50172_9763.N1	0	2
12	MIP_NL__0PNPDE20111003_214659_000061523107_00158_50172_9764.N1	0	2
13	MIP_NL__0PNPDE20111003_232828_000060673107_00159_50173_9765.N1	0	2

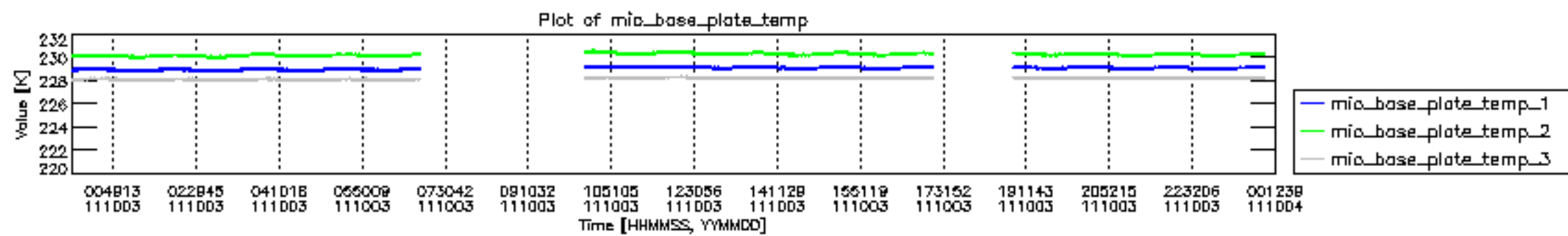


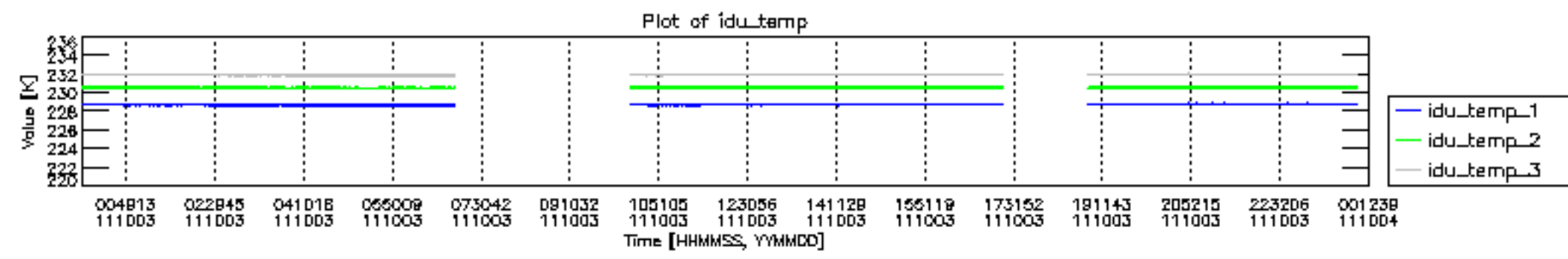
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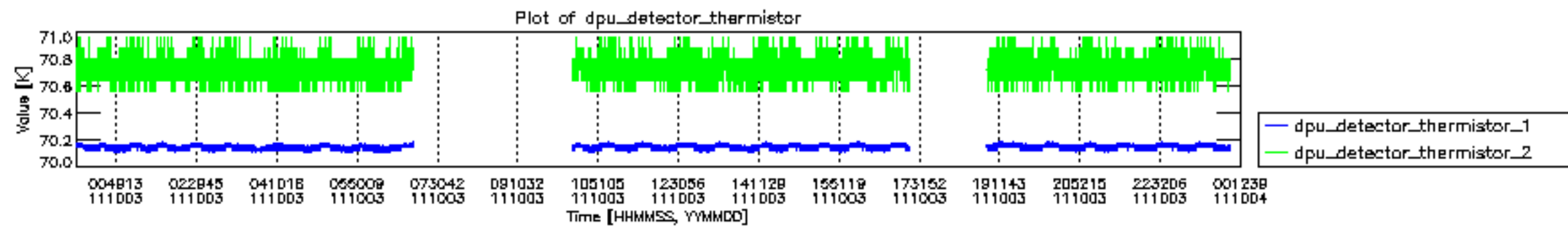


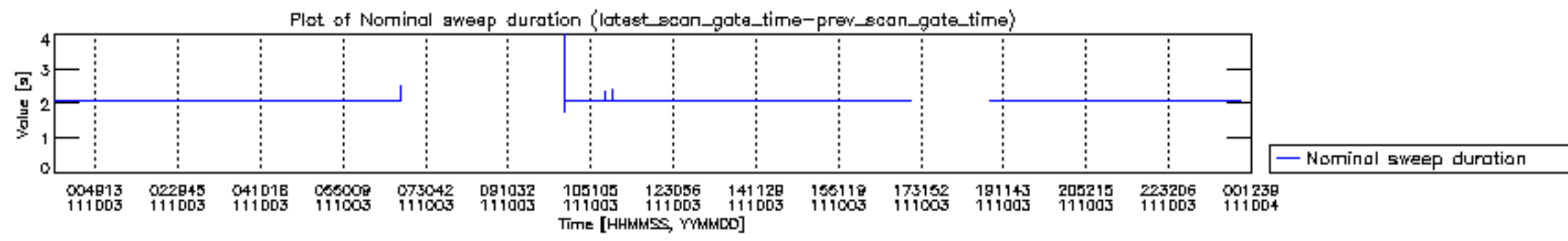
mipas_daily_report_level0_KSPT_L0_4504_N_20111003_13.PNG

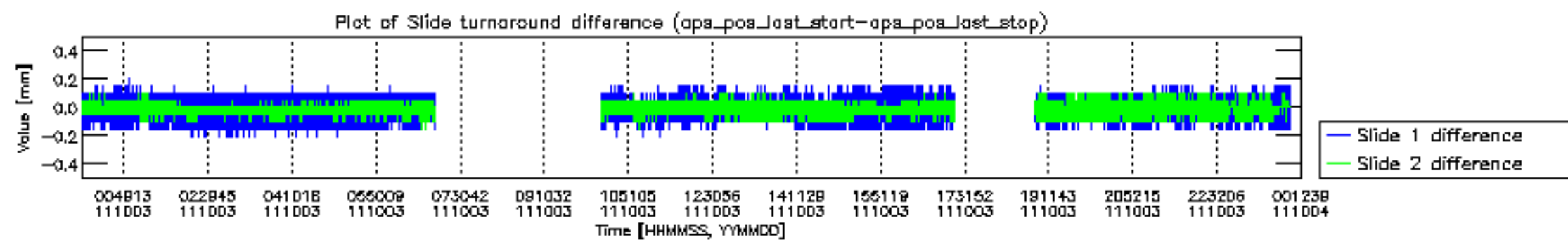


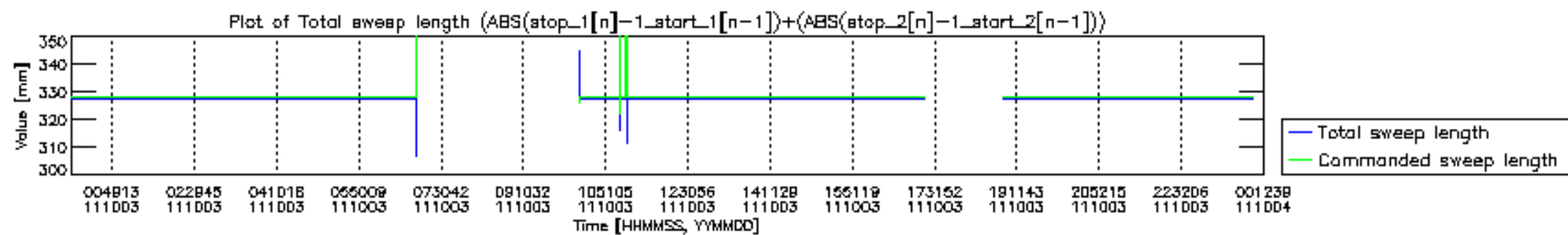


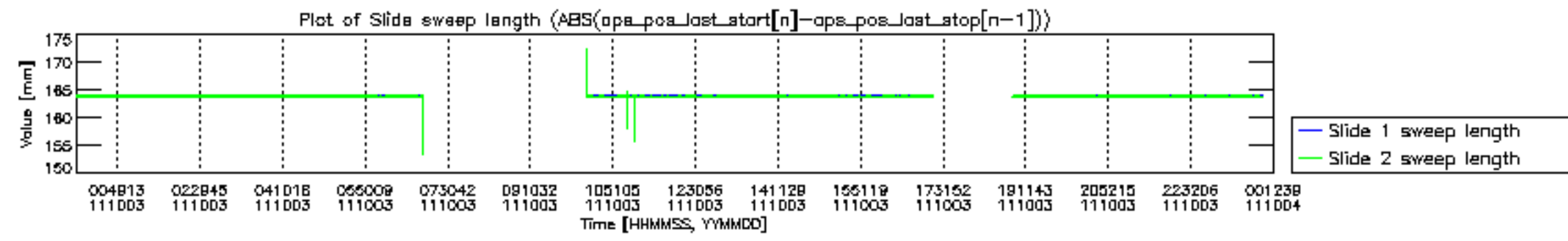


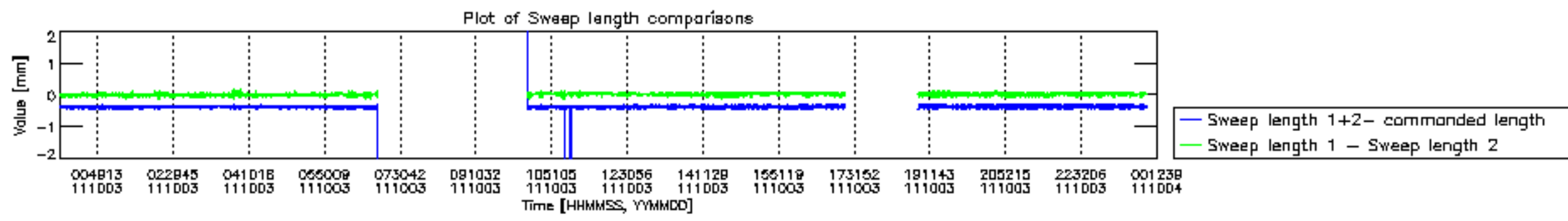


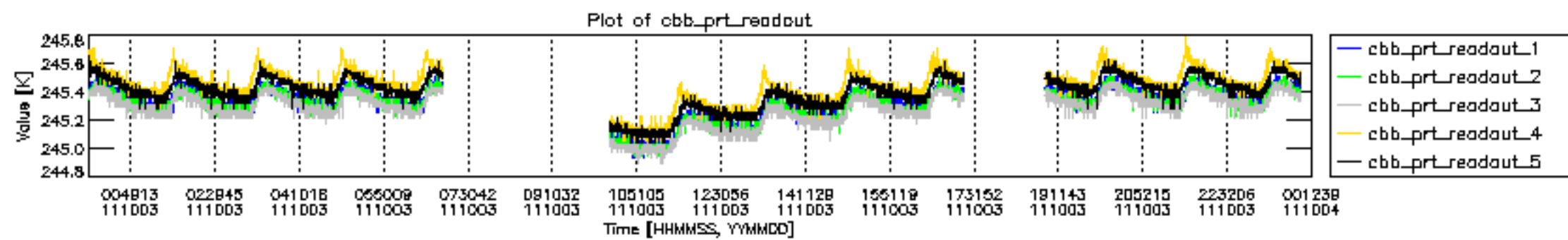


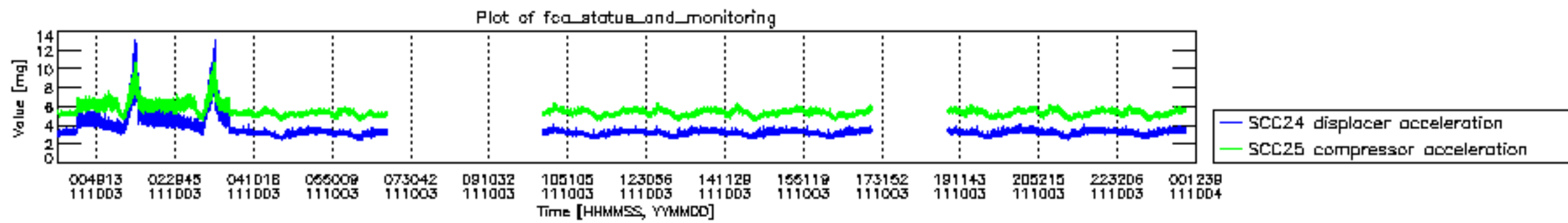












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

