

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	16AUG2011 05:24:00
Data source version	KSPT_L0/4504-N
Processing scope for products	11AUG2011 00:00:00 to 12AUG2011 00:00:00
Start time of first product within scope	11AUG2011 00:48:43
Stop time of last product within scope	12AUG2011 00:13:26
Total number of level 0 products	15
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__0PNPDE20110811_004843_000058513105_00246_49398_9414.N1	11AUG2011 00:48:43	11AUG2011 02:26:15	0	0	0	0	0
1	MIP_NL__0PNPDE20110811_022514_000045523105_00247_49399_9415.N1	11AUG2011 02:25:14	11AUG2011 03:41:06	0	0	0	0	0
2	MIP_NL__0PNPDE20110811_034033_000060853105_00248_49400_9416.N1	11AUG2011 03:40:33	11AUG2011 05:21:58	0	0	0	0	0
3	MIP_NL__0PNPDE20110811_052124_000060873105_00249_49401_9417.N1	11AUG2011 05:21:24	11AUG2011 07:02:52	0	0	0	0	0
4	MIP_NL__0PNPDK20110811_070214_000040493105_00250_49402_6019.N1	11AUG2011 07:02:14	11AUG2011 08:09:43	0	0	0	0	0
5	MIP_NL__0PNPDK20110811_080907_000061723105_00251_49403_6020.N1	11AUG2011 08:09:07	11AUG2011 09:51:59	0	0	0	0	0
6	MIP_NL__0PNPDK20110811_095128_000059453105_00252_49404_6021.N1	11AUG2011 09:51:28	11AUG2011 11:30:33	0	0	0	0	0
7	MIP_NL__0PNPDK20110811_112953_000059353105_00253_49405_6022.N1	11AUG2011 11:29:53	11AUG2011 13:08:48	0	0	0	0	0
8	MIP_NL__0PNPDK20110811_130817_000059043105_00254_49406_6023.N1	11AUG2011 13:08:17	11AUG2011 14:46:41	0	0	0	0	0
9	MIP_NL__0PNPDK20110811_144557_000058433105_00255_49407_6024.N1	11AUG2011 14:45:57	11AUG2011 16:23:20	0	0	0	0	0
10	MIP_NL__0PNPDK20110811_162228_000059373105_00256_49408_6025.N1	11AUG2011 16:22:28	11AUG2011 18:01:25	0	0	0	0	0
11	MIP_NL__0PNPDK20110811_180026_000060253105_00257_49409_6026.N1	11AUG2011 18:00:26	11AUG2011 19:40:51	0	0	0	0	0
12	MIP_NL__0PNPDK20110811_193933_000060123105_00258_49410_6027.N1	11AUG2011 19:39:33	11AUG2011 21:19:46	0	0	0	0	0
13	MIP_NL__0PNPDE20110811_211810_000044503105_00259_49411_9418.N1	11AUG2011 21:18:10	11AUG2011 22:32:19	0	0	0	0	0
14	MIP_NL__0PNPDE20110811_223117_000061293105_00259_49411_9419.N1	11AUG2011 22:31:17	12AUG2011 00:13:26	0	0	0	0	0

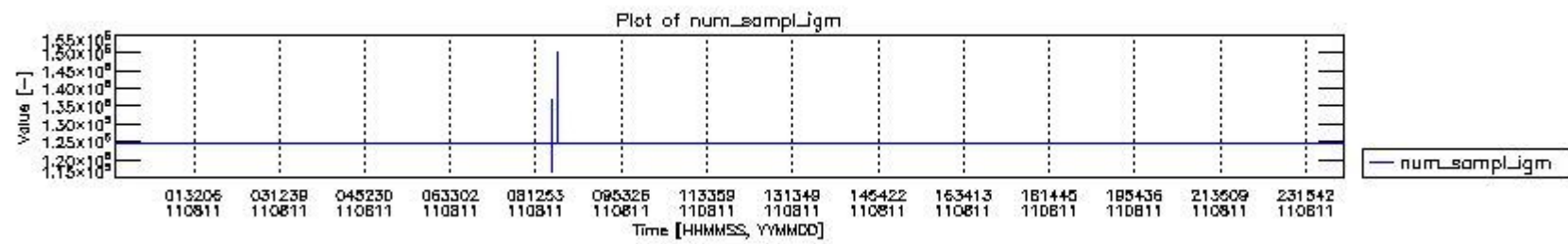
0.2 Instrument Operational Performance Parameters

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.

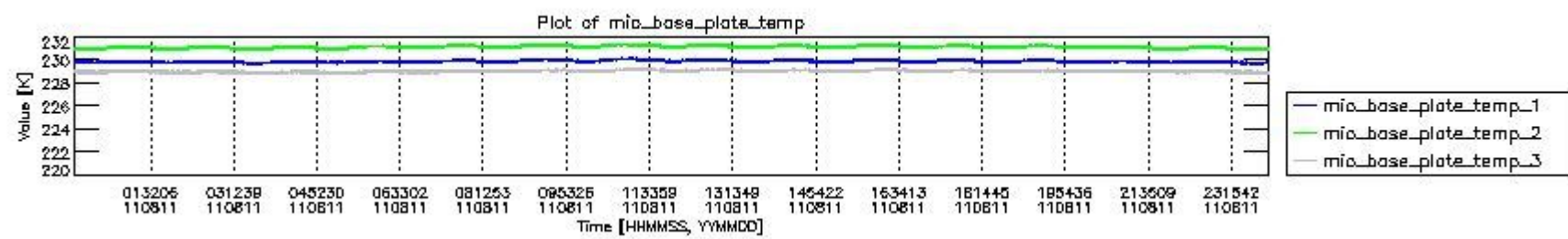
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
116751	1	0.0024051759
124800	38618	92.883084
124803	2953	7.1024845

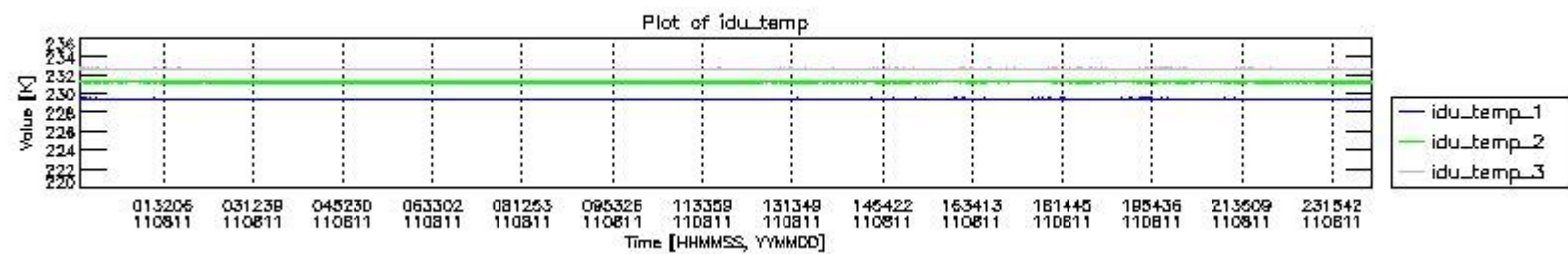
127456	1	0.0024051759
128834	1	0.0024051759
136883	1	0.0024051759
147588	1	0.0024051759
150244	1	0.0024051759



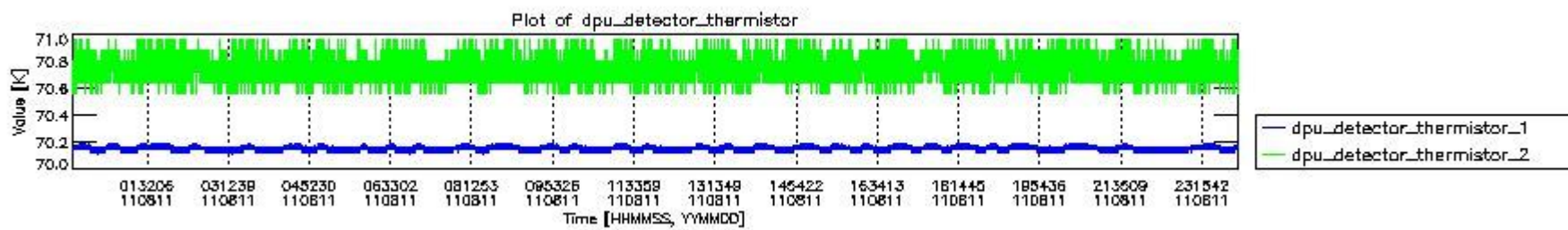
mipas_daily_report_level0_KSPT_L0_4504_N_20110811_0.PNG



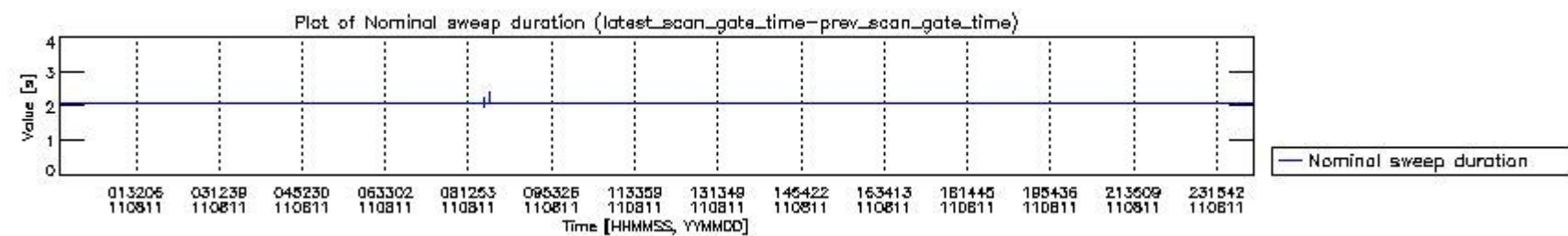
mipas_daily_report_level0_KSPT_L0_4504_N_20110811_1.PNG



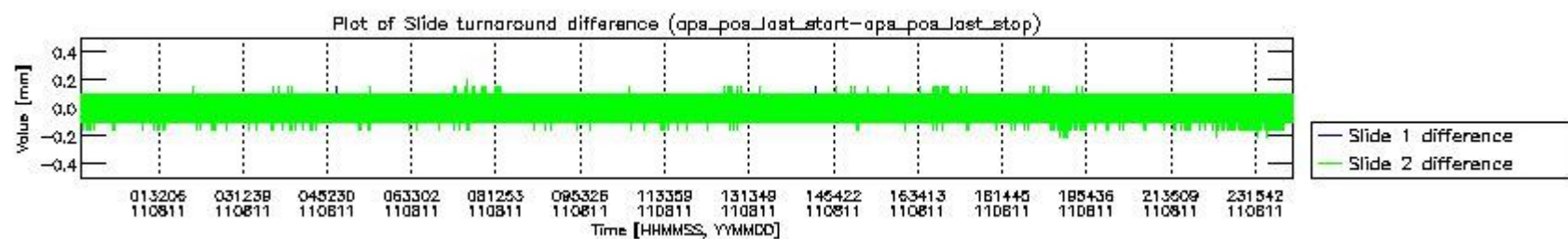
mipas_daily_report_level0_KSPT_L0_4504_N_20110811_2.PNG



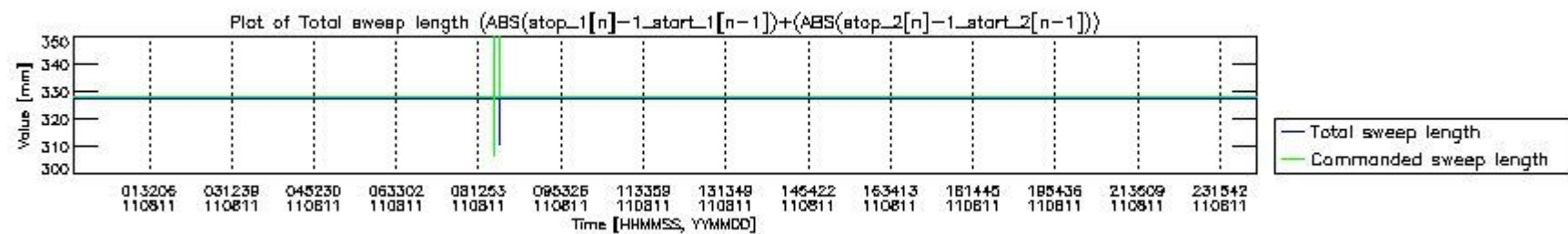
mipas_daily_report_level0_KSPT_L0_4504_N_20110811_3.PNG



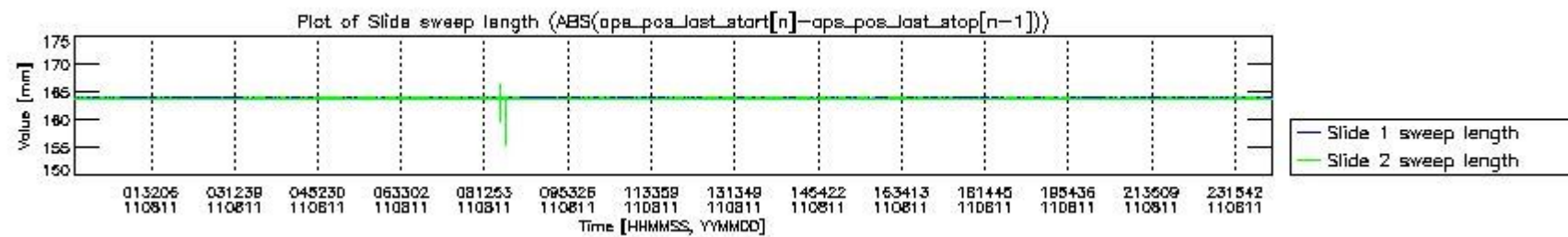
mipas_daily_report_level0_KSPT_L0_4504_N_20110811_4.PNG



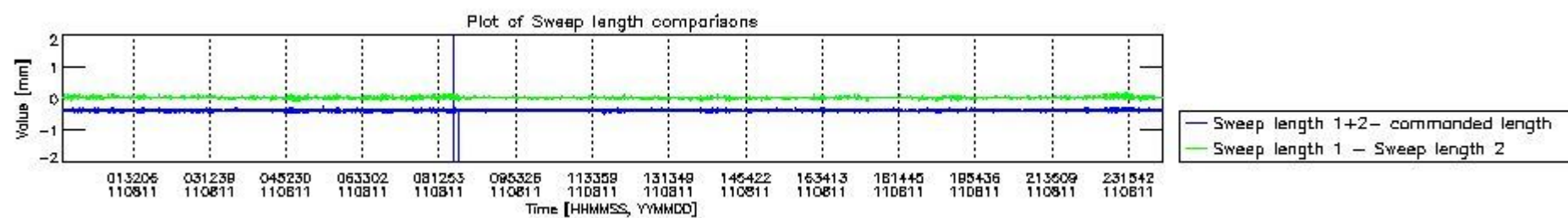
mipas_daily_report_level0_KSPT_L0_4504_N_20110811_5.PNG



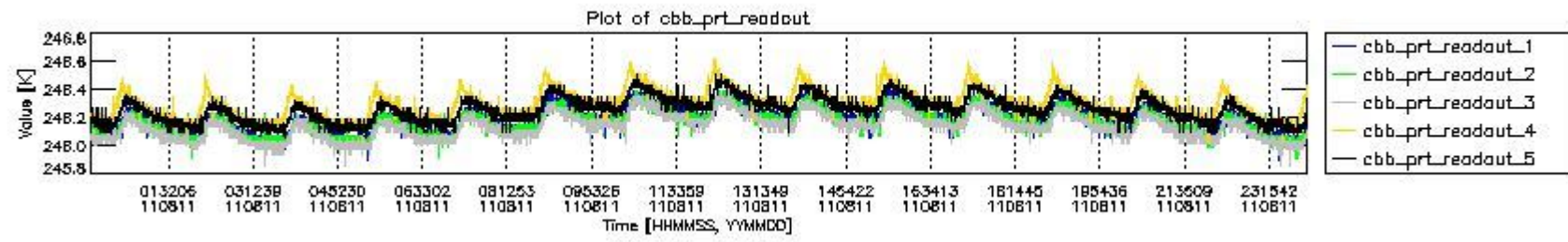
mipas_daily_report_level0_KSPT_L0_4504_N_20110811_6.PNG



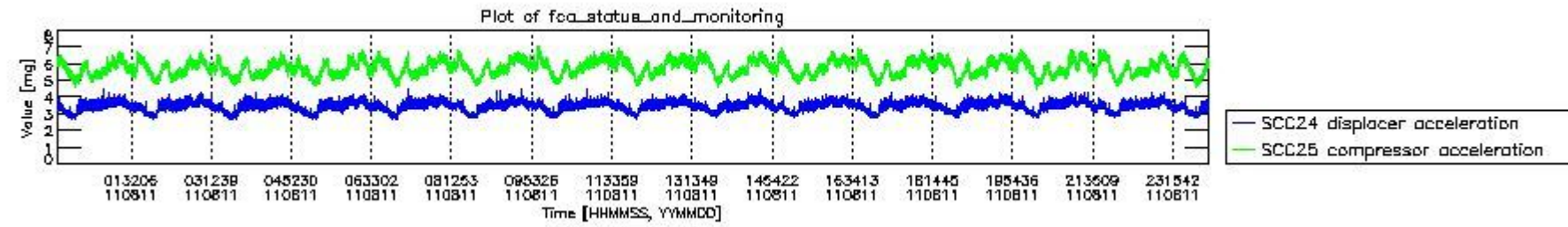
mipas_daily_report_level0_KSPT_L0_4504_N_20110811_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110811_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110811_9.PNG

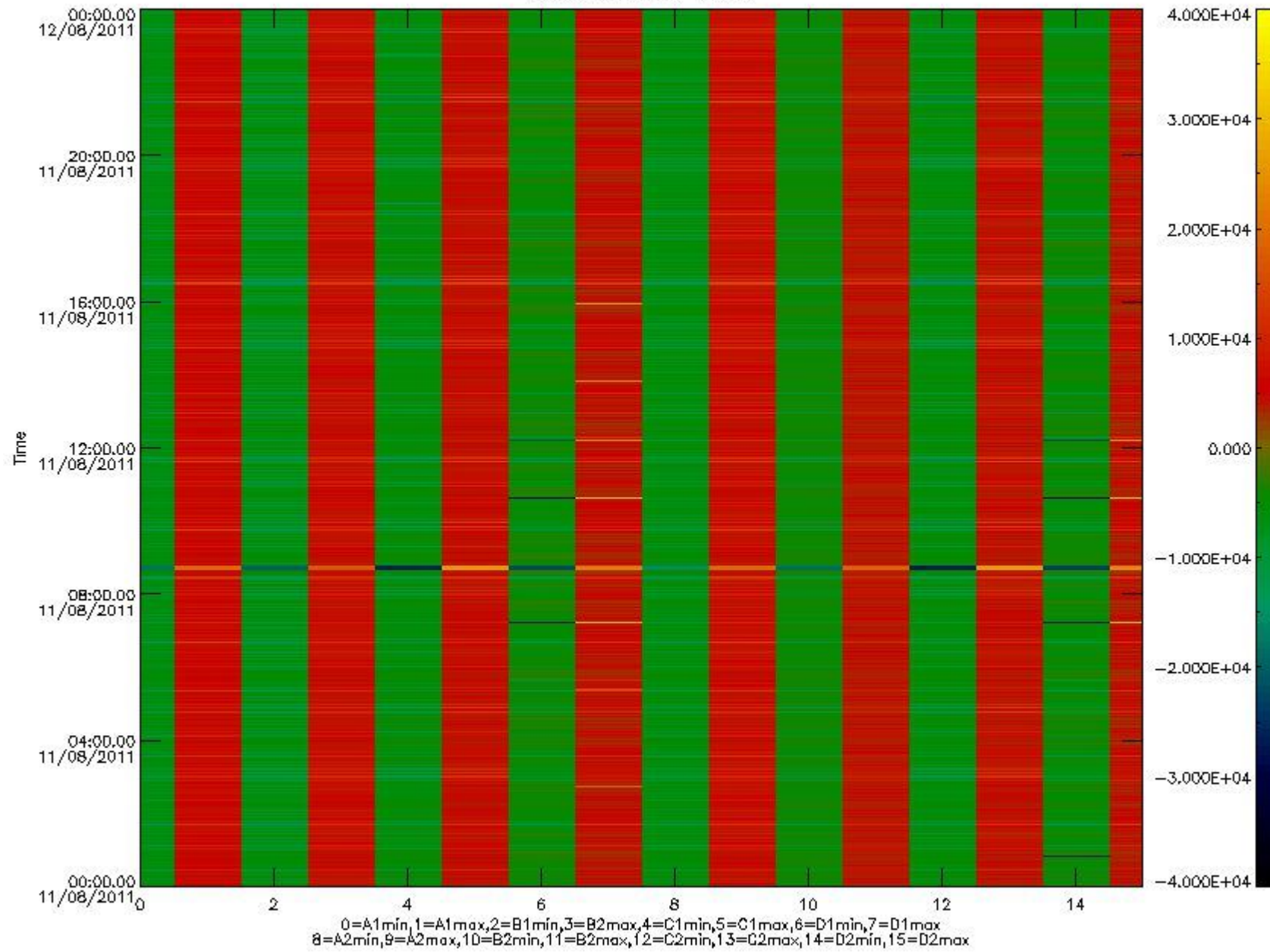


mipas_daily_report_level0_KSPT_L0_4504_N_20110811_10.PNG

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

Channel	Min	Max	ADC
A1	-19120	20287	16bit
B1	-20933	17988	16bit
C1	-26351	26267	16bit
D1	-32768	32767	16bit
A2	-16101	19926	16bit
B2	-19202	18829	16bit
C2	-27394	27045	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_20110811_11.PNG

0.3 ADF monitoring

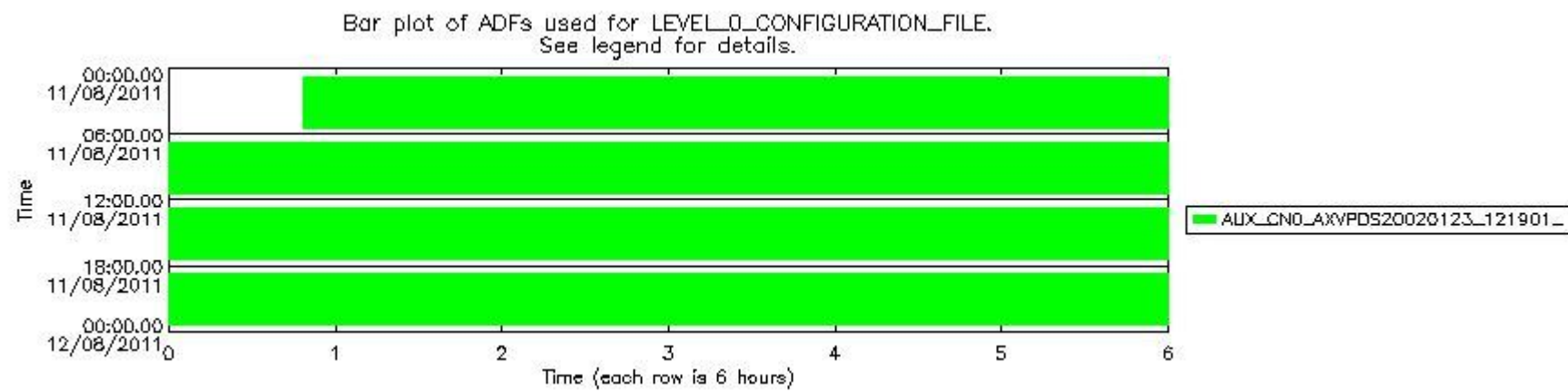
The use of ADFs is shown in two ways:

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.

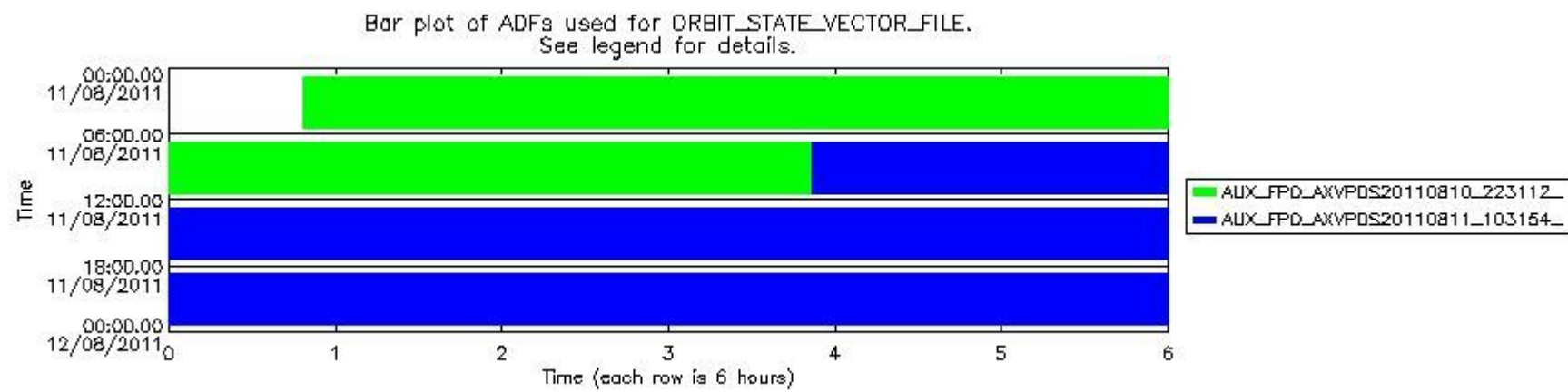
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110810_223112_20110810_113827_20110820_135214
2	AUX_FPO_AXVPDS20110811_103154_20110810_195937_20110820_203310

Number	Product name	#CN0	#FPO
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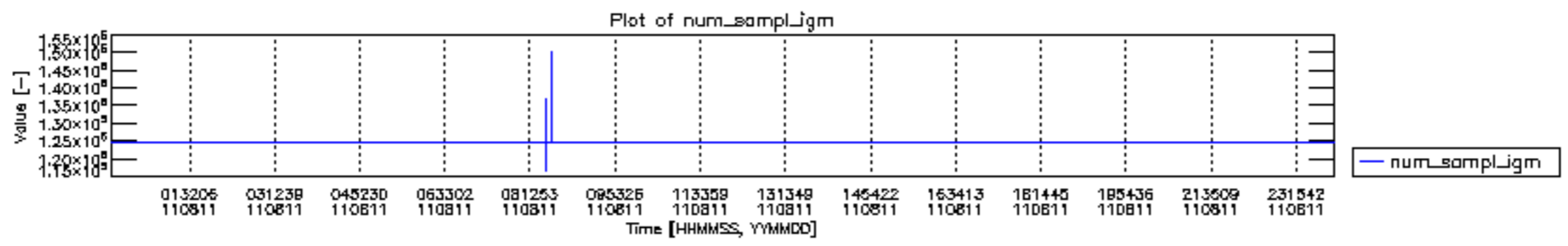
0	MIP_NL__0PNPDE20110811_004843_000058513105_00246_49398_9414.N1	0	1
1	MIP_NL__0PNPDE20110811_022514_000045523105_00247_49399_9415.N1	0	1
2	MIP_NL__0PNPDE20110811_034033_000060853105_00248_49400_9416.N1	0	1
3	MIP_NL__0PNPDE20110811_052124_000060873105_00249_49401_9417.N1	0	1
4	MIP_NL__0PNPDK20110811_070214_000040493105_00250_49402_6019.N1	0	1
5	MIP_NL__0PNPDK20110811_080907_000061723105_00251_49403_6020.N1	0	1
6	MIP_NL__0PNPDK20110811_095128_000059453105_00252_49404_6021.N1	0	2
7	MIP_NL__0PNPDK20110811_112953_000059353105_00253_49405_6022.N1	0	2
8	MIP_NL__0PNPDK20110811_130817_000059043105_00254_49406_6023.N1	0	2
9	MIP_NL__0PNPDK20110811_144557_000058433105_00255_49407_6024.N1	0	2
10	MIP_NL__0PNPDK20110811_162228_000059373105_00256_49408_6025.N1	0	2
11	MIP_NL__0PNPDK20110811_180026_000060253105_00257_49409_6026.N1	0	2
12	MIP_NL__0PNPDK20110811_193933_000060123105_00258_49410_6027.N1	0	2
13	MIP_NL__0PNPDE20110811_211810_000044503105_00259_49411_9418.N1	0	2
14	MIP_NL__0PNPDE20110811_223117_000061293105_00259_49411_9419.N1	0	2

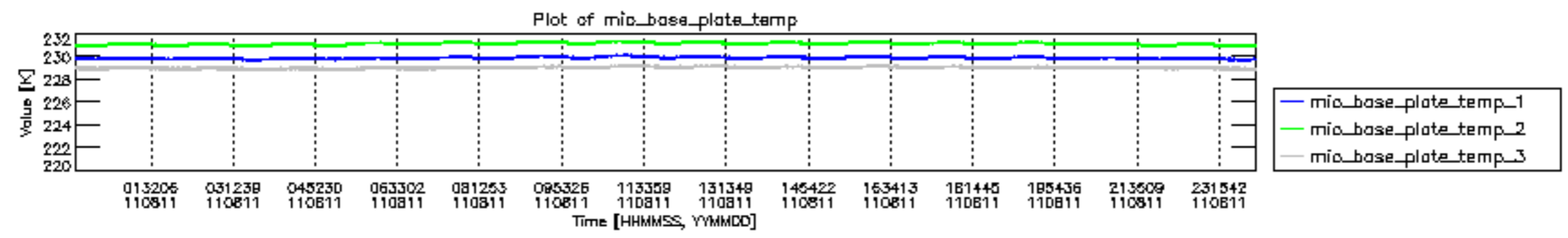


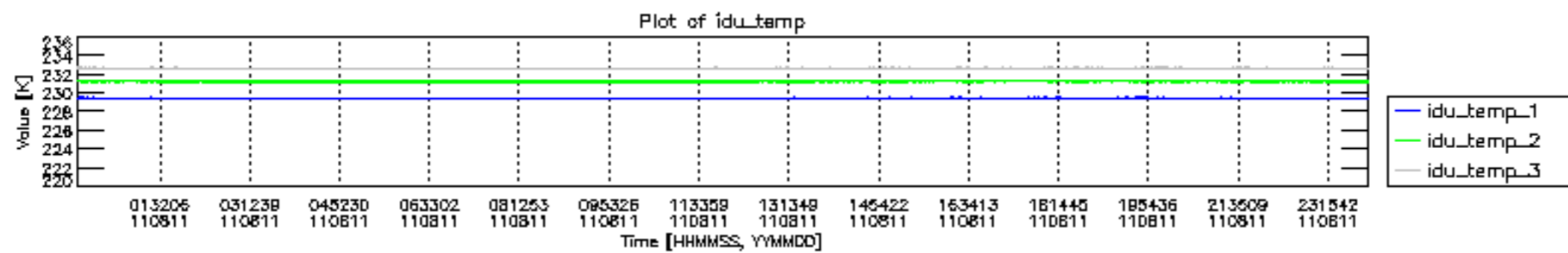
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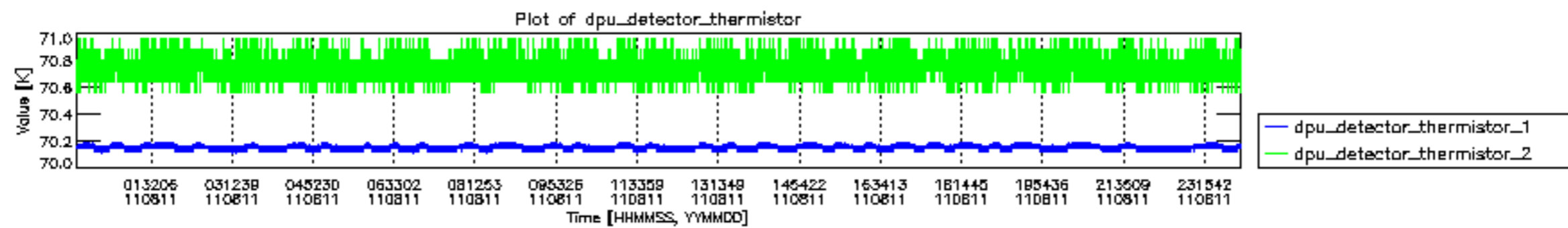


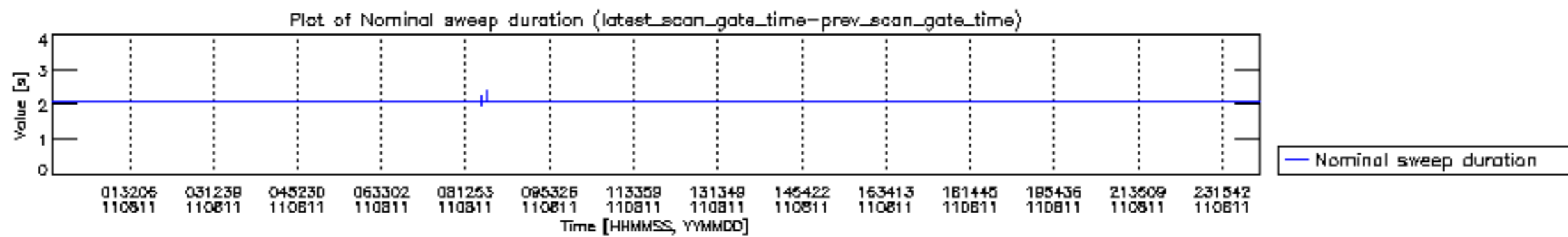
mipas_daily_report_level0_KSPT_L0_4504_N_20110811_13.PNG

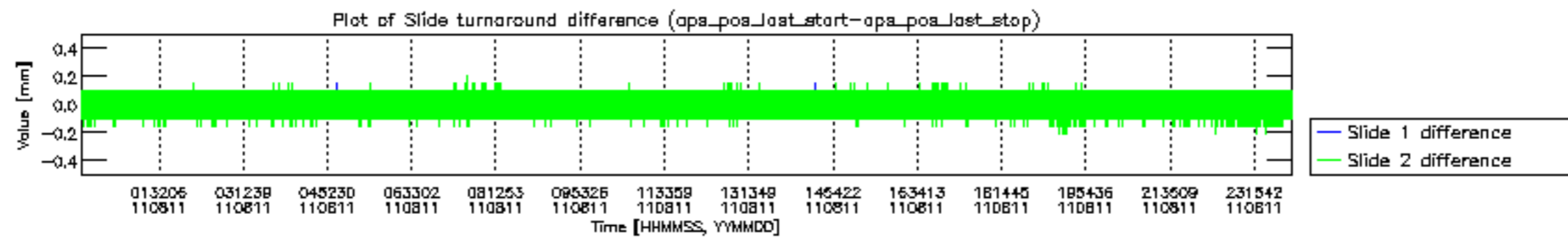


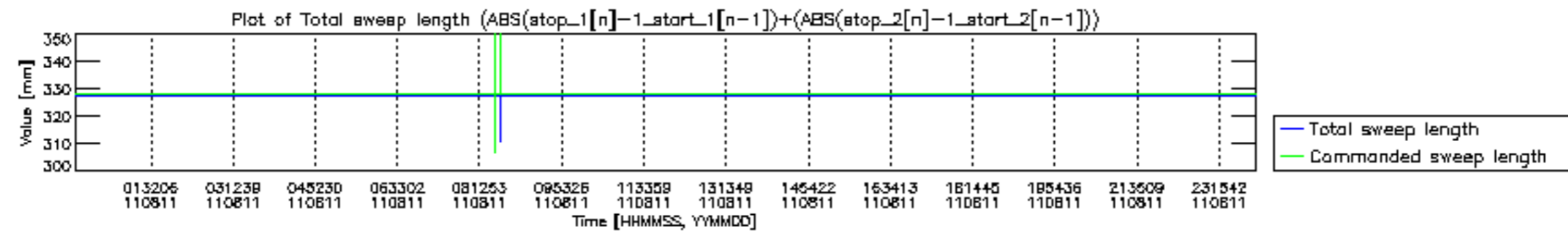


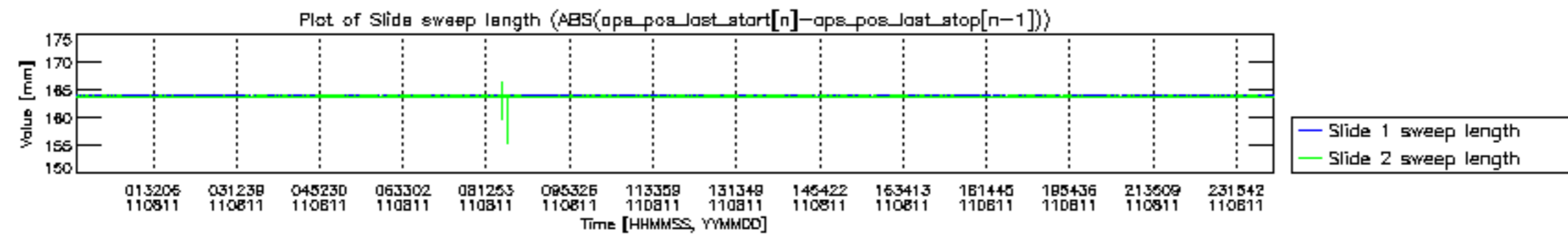


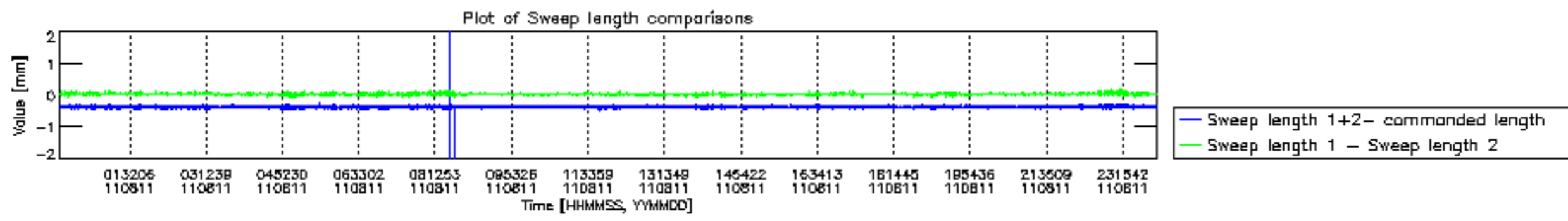


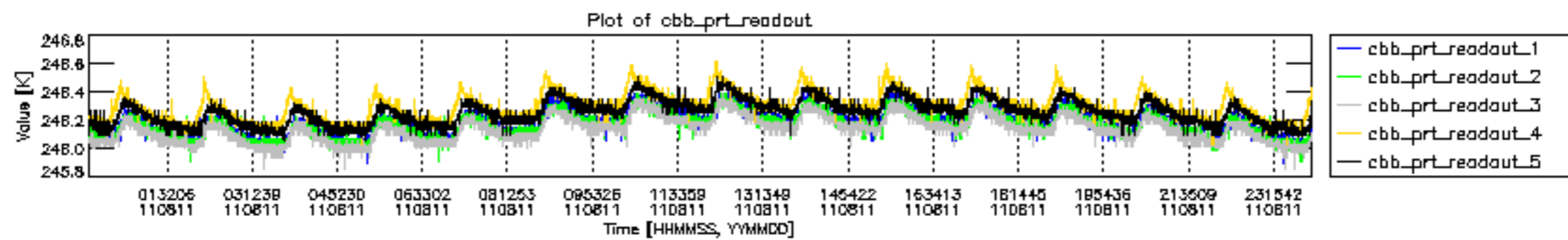


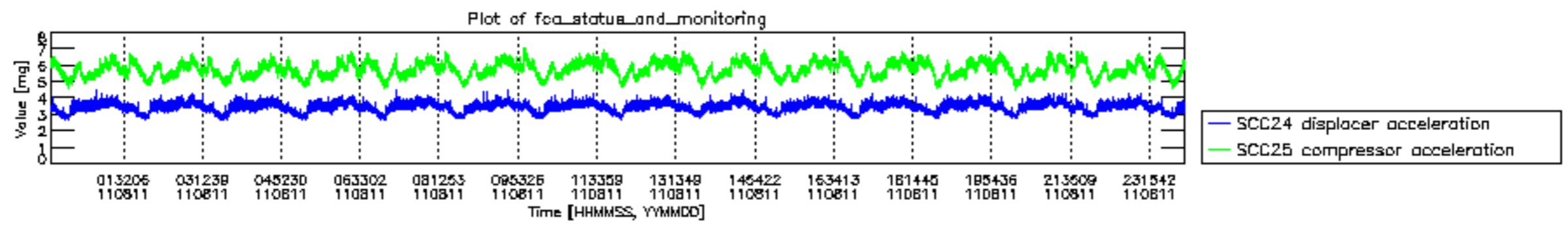












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

