

0. MIPAS Daily Report for level 0 products

[0.1 General Info](#)

[0.2 Instrument Operational Performance Parameters](#)

[0.3 ADF monitoring](#)

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	03FEB2011 05:24:18
Data source version	KSPT_L0/4504-N
Processing scope for products	29JAN2011 00:00:00 to 30JAN2011 00:00:00
Start time of first product within scope	29JAN2011 00:59:40
Stop time of last product within scope	30JAN2011 00:23:56
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__0PNPDE20110129_005940_000101953099_00045_46611_2811.N1	29JAN2011 00:59:40	29JAN2011 03:49:34	0	0	0	0	0
1	MIP_NL__0PNPDE20110129_034901_000062193099_00047_46613_2812.N1	29JAN2011 03:49:01	29JAN2011 05:32:40	0	0	0	0	0
2	MIP_NL__0PNPDE20110129_053207_000060503099_00048_46614_2813.N1	29JAN2011 05:32:07	29JAN2011 07:12:56	0	0	0	0	0
3	MIP_NL__0PNPDK20110129_071223_000040843099_00049_46615_4147.N1	29JAN2011 07:12:23	29JAN2011 08:20:27	0	0	0	0	0
4	MIP_NL__0PNPDK20110129_081931_000060783099_00050_46616_4148.N1	29JAN2011 08:19:31	29JAN2011 10:00:48	0	0	0	0	0
5	MIP_NL__0PNPDK20110129_095912_000059893099_00051_46617_4149.N1	29JAN2011 09:59:12	29JAN2011 11:39:02	0	0	0	0	0
6	MIP_NL__0PNPDK20110129_113742_000059983099_00052_46618_4150.N1	29JAN2011 11:37:42	29JAN2011 13:17:40	0	0	0	0	0
7	MIP_NL__0PNPDK20110129_131610_000060793099_00053_46619_4151.N1	29JAN2011 13:16:10	29JAN2011 14:57:29	0	0	0	0	0
8	MIP_NL__0PNPDK20110129_145553_000058453099_00054_46620_4152.N1	29JAN2011 14:55:53	29JAN2011 16:33:18	0	0	0	0	0
9	MIP_NL__0PNPDK20110129_163232_000059583099_00055_46621_4153.N1	29JAN2011 16:32:32	29JAN2011 18:11:50	0	0	0	0	0
10	MIP_NL__0PNPDK20110129_181052_000059623099_00056_46622_4154.N1	29JAN2011 18:10:52	29JAN2011 19:50:14	0	0	0	0	0
11	MIP_NL__0PNPDE20110129_194913_000040653099_00057_46623_2814.N1	29JAN2011 19:49:13	29JAN2011 20:56:59	0	0	0	0	0
12	MIP_NL__0PNPDE20110129_205600_000064533099_00057_46623_2815.N1	29JAN2011 20:56:00	29JAN2011 22:43:33	0	0	0	0	0
13	MIP_NL__0PNPDE20110129_224227_000060903099_00058_46624_2816.N1	29JAN2011 22:42:27	30JAN2011 00:23:56	0	0	0	0	0

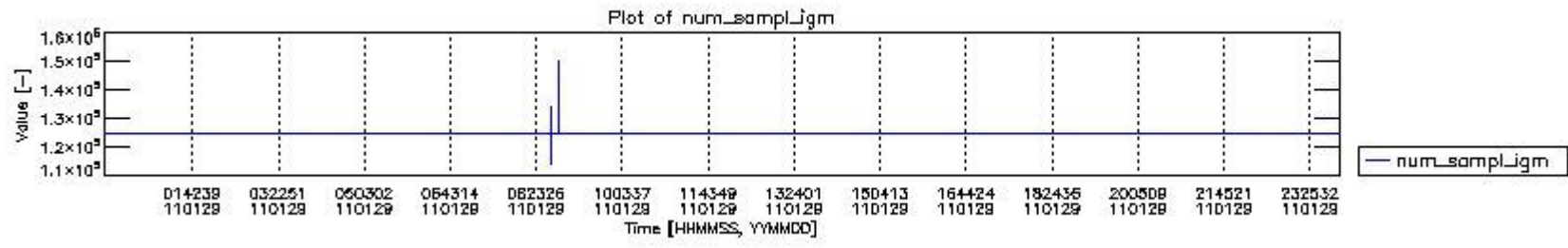
0.2 Instrument Operational Performance Parameters

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.

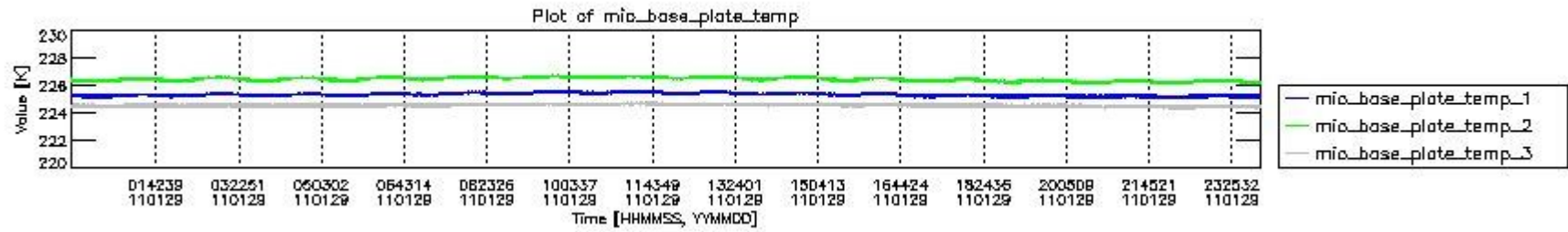
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
113703	1	0.0024000960
122738	1	0.0024000960
124800	38703	92.890916
124803	2956	7.0946838

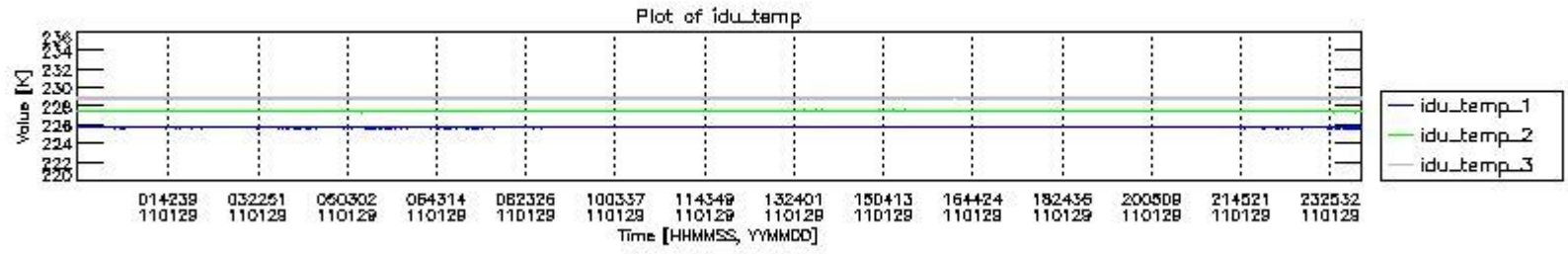
127456	1	0.0024000960
133835	1	0.0024000960
147588	1	0.0024000960
150244	1	0.0024000960



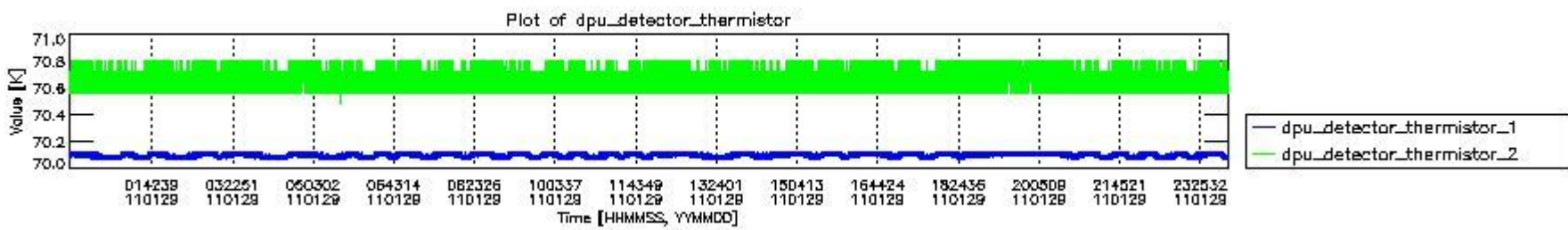
mipas_daily_report_level0_KSPT_L0_4504_N_20110129_0.PNG



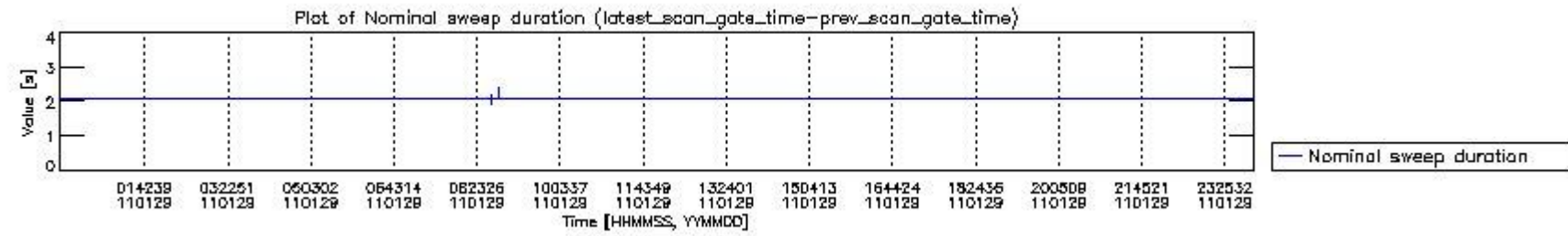
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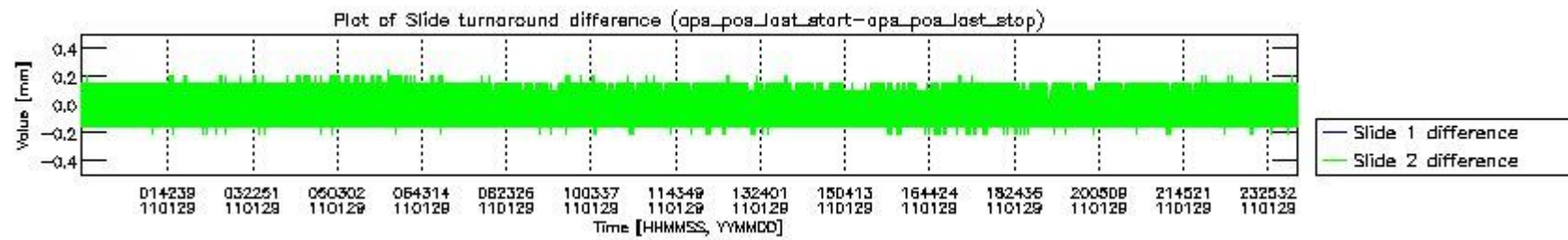
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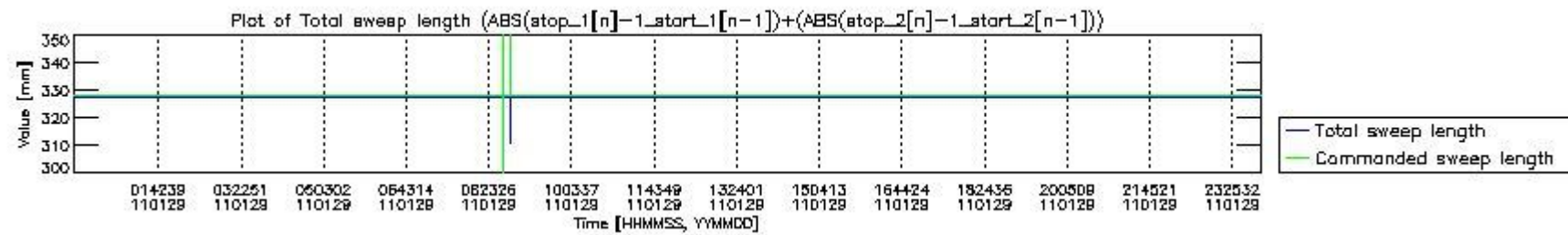
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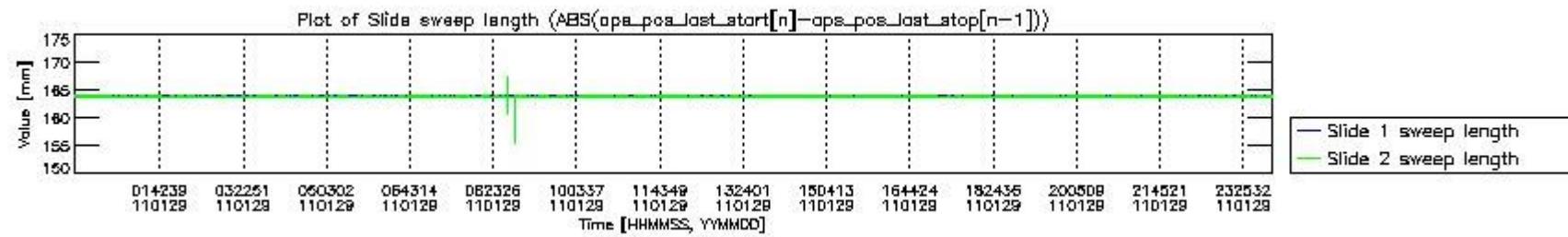
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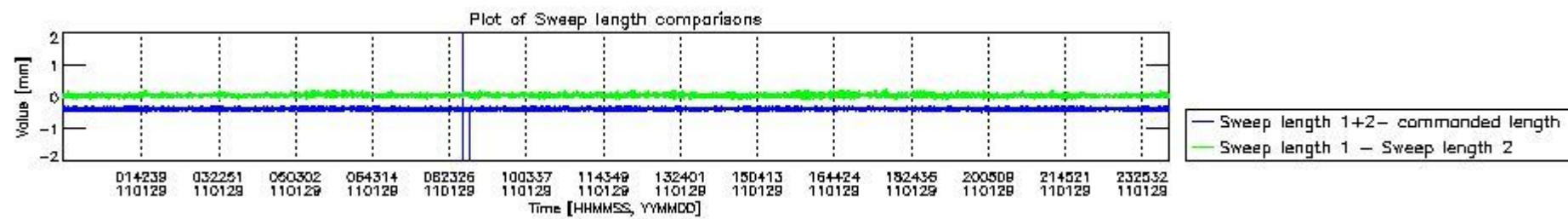
mipas_daily_report_level0_KSPT_L0_4504_N_20110129_5.PNG



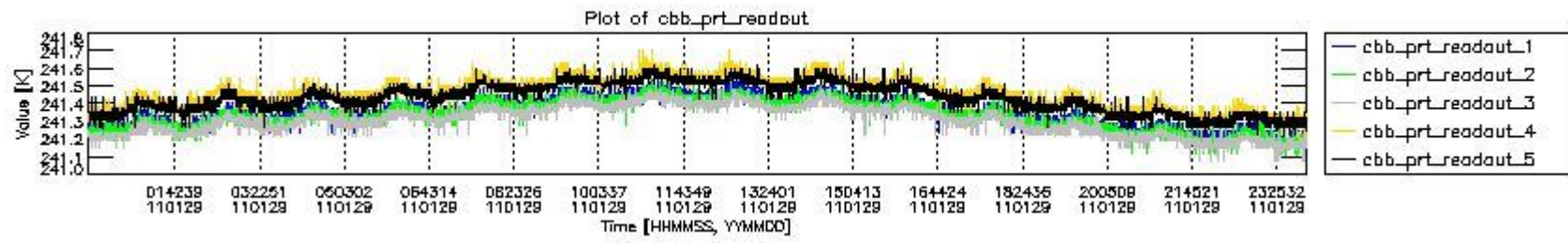
mipas_daily_report_level0_KSPT_L0_4504_N_20110129_6.PNG



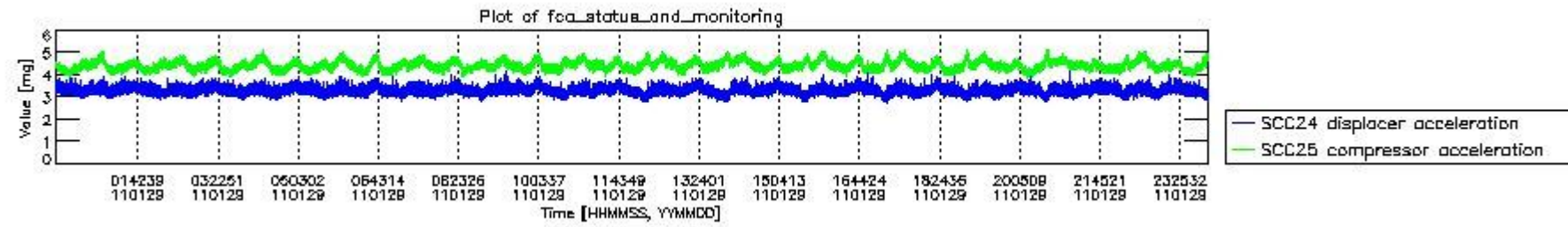
mipas_daily_report_level0_KSPT_L0_4504_N_20110129_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110129_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110129_9.PNG

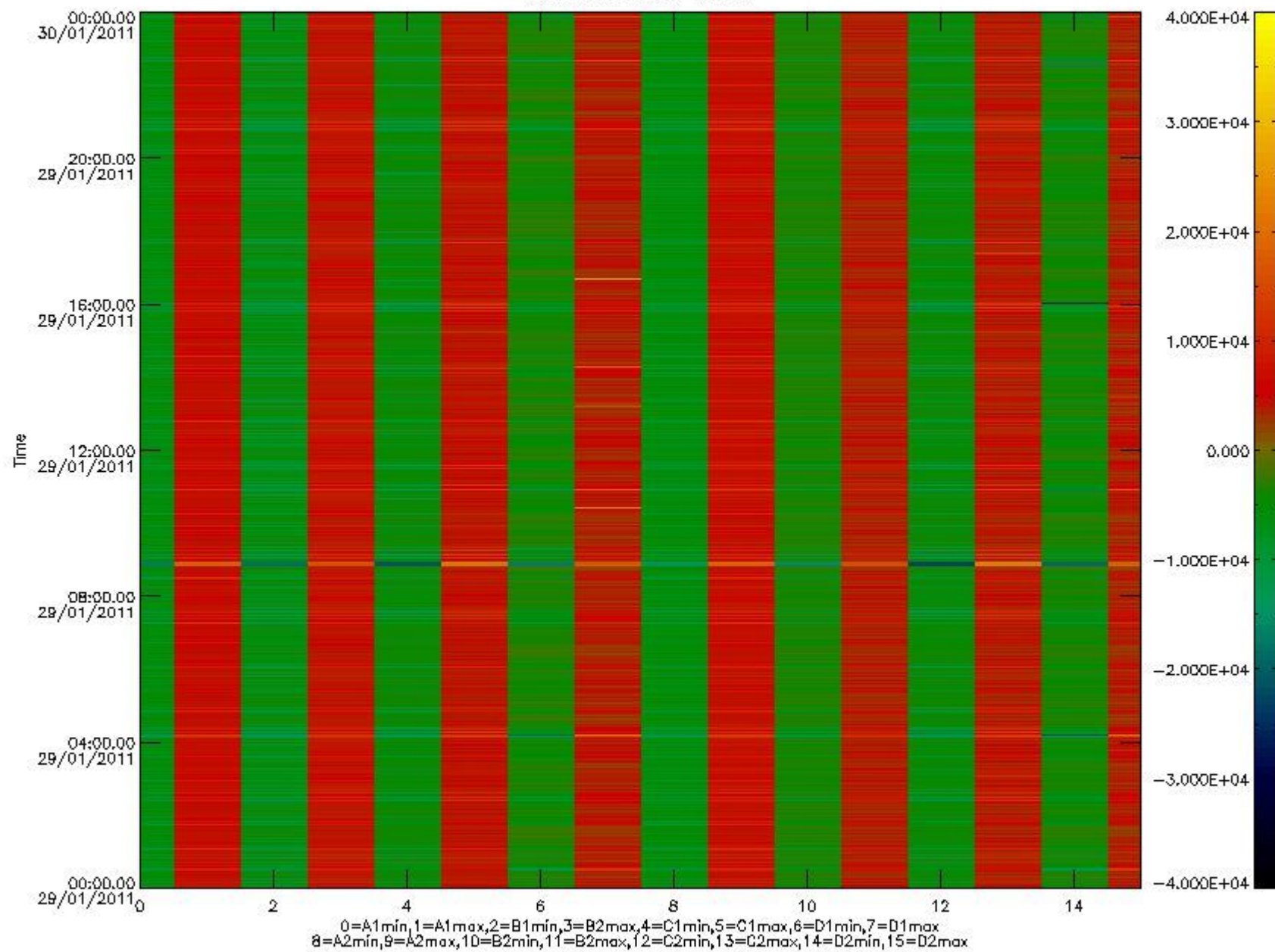


mipas_daily_report_level0_KSPT_L0_4504_N_20110129_10.PNG

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

Channel	Min	Max	ADC
A1	-17489	18496	16bit
B1	-18798	16353	16bit
C1	-24036	21683	16bit
D1	-23778	32767	16bit
A2	-15177	18609	16bit
B2	-16817	16538	16bit
C2	-22772	23685	16bit
D2	-32768	25391	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20110129_11.PNG

0.3 ADF monitoring

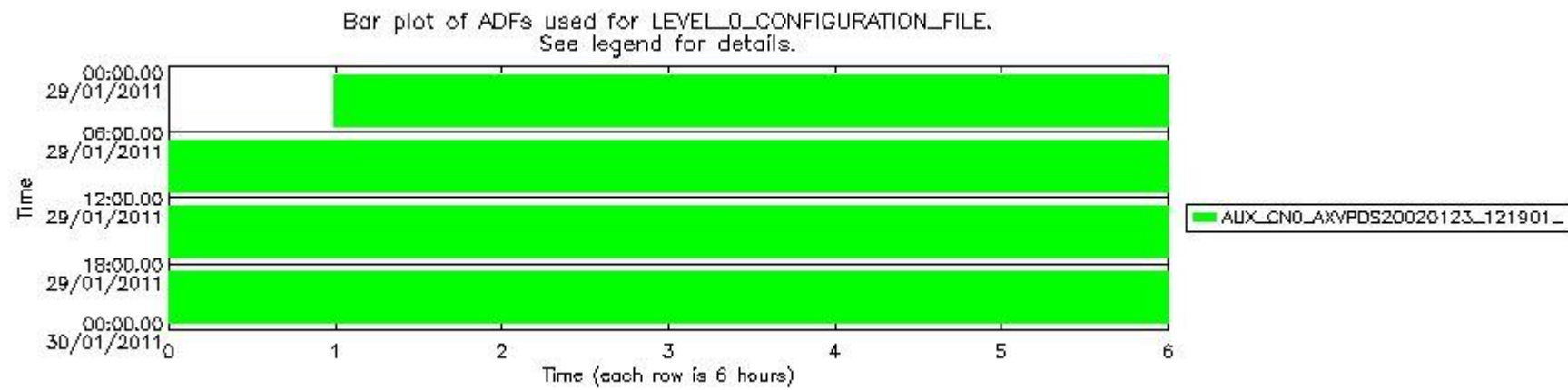
The use of ADFs is shown in two ways:

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.

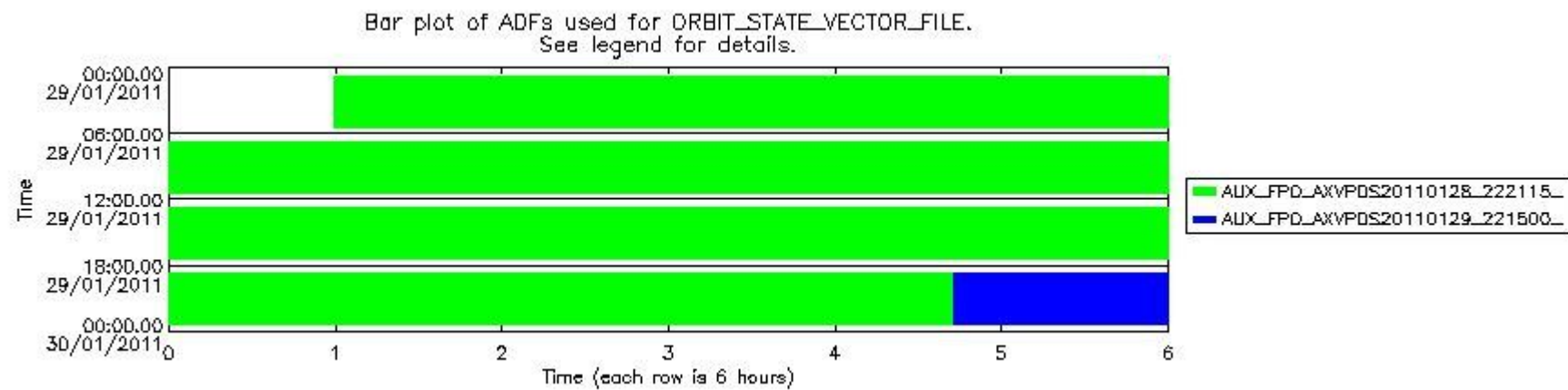
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110128_222115_20110128_182931_20110207_204323
2	AUX_FPO_AXVPDS20110129_221500_20110129_193301_20110208_200639

Number	Product name	#CN0	#FPO
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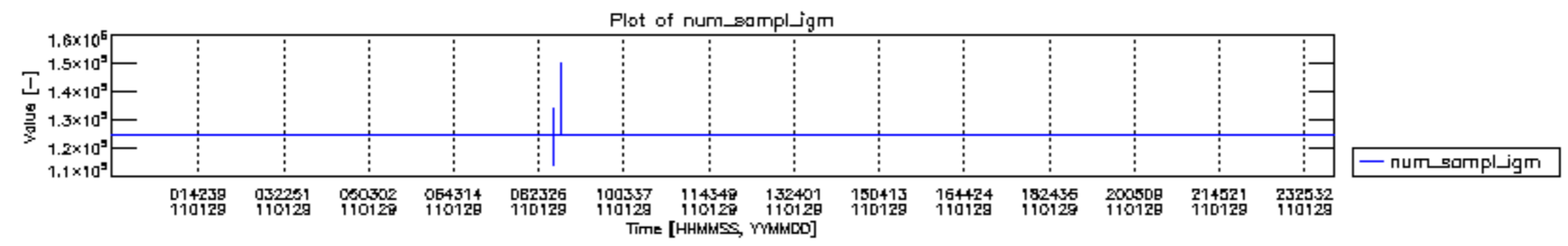
0	MIP_NL__0PNPDE20110129_005940_000101953099_00045_46611_2811.N1	0	1
1	MIP_NL__0PNPDE20110129_034901_000062193099_00047_46613_2812.N1	0	1
2	MIP_NL__0PNPDE20110129_053207_000060503099_00048_46614_2813.N1	0	1
3	MIP_NL__0PNPDK20110129_071223_000040843099_00049_46615_4147.N1	0	1
4	MIP_NL__0PNPDK20110129_081931_000060783099_00050_46616_4148.N1	0	1
5	MIP_NL__0PNPDK20110129_095912_000059893099_00051_46617_4149.N1	0	1
6	MIP_NL__0PNPDK20110129_113742_000059983099_00052_46618_4150.N1	0	1
7	MIP_NL__0PNPDK20110129_131610_000060793099_00053_46619_4151.N1	0	1
8	MIP_NL__0PNPDK20110129_145553_000058453099_00054_46620_4152.N1	0	1
9	MIP_NL__0PNPDK20110129_163232_000059583099_00055_46621_4153.N1	0	1
10	MIP_NL__0PNPDK20110129_181052_000059623099_00056_46622_4154.N1	0	1
11	MIP_NL__0PNPDE20110129_194913_000040653099_00057_46623_2814.N1	0	1
12	MIP_NL__0PNPDE20110129_205600_000064533099_00057_46623_2815.N1	0	1
13	MIP_NL__0PNPDE20110129_224227_000060903099_00058_46624_2816.N1	0	2

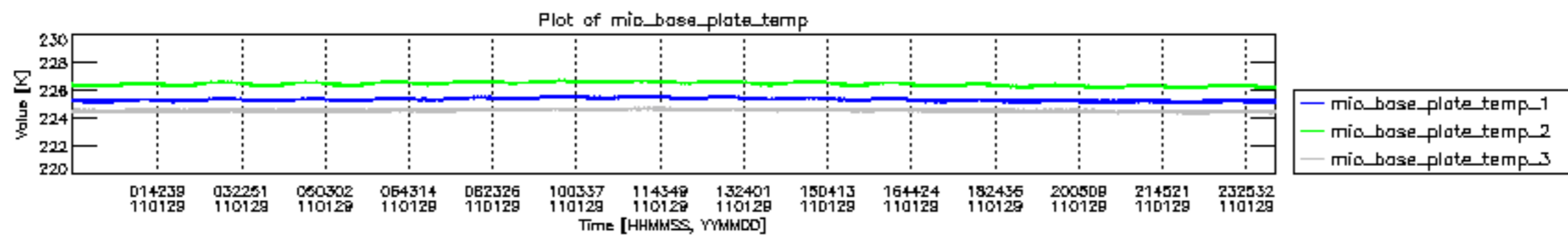


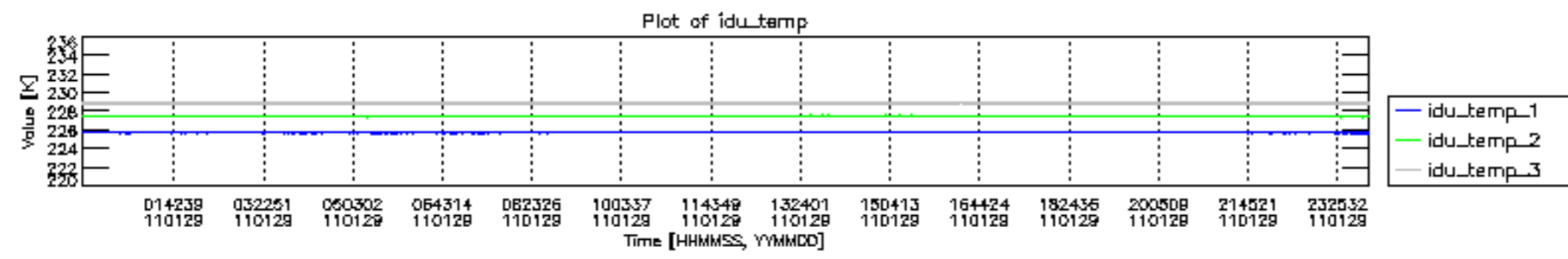
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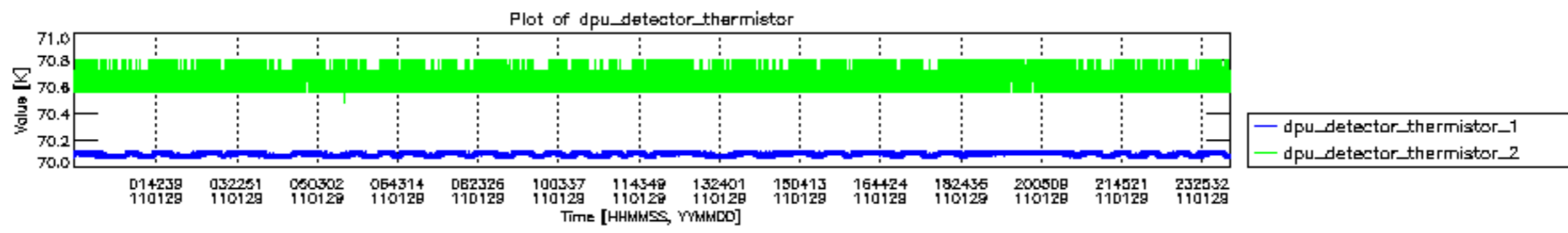


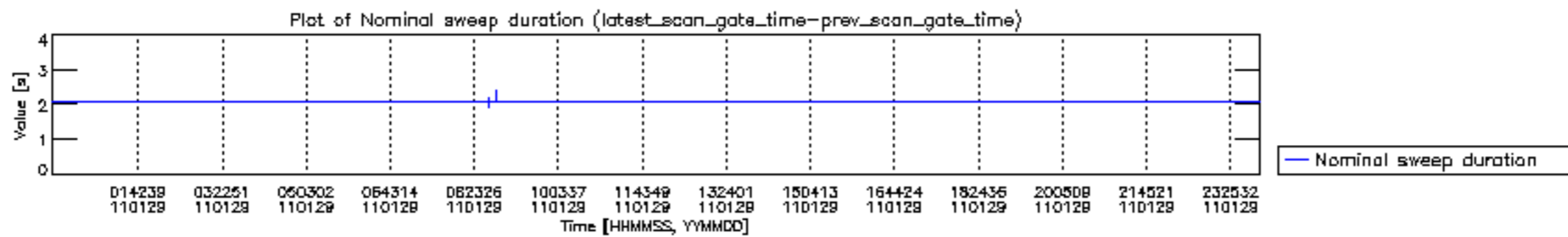
mipas_daily_report_level0_KSPT_L0_4504_N_20110129_13.PNG

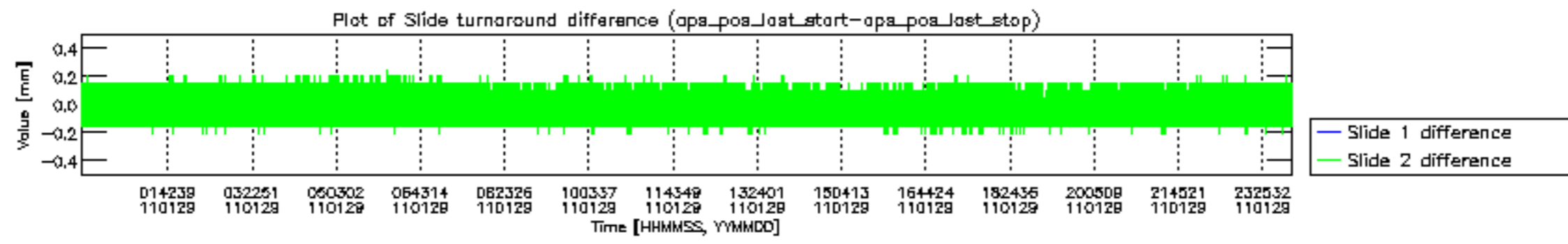


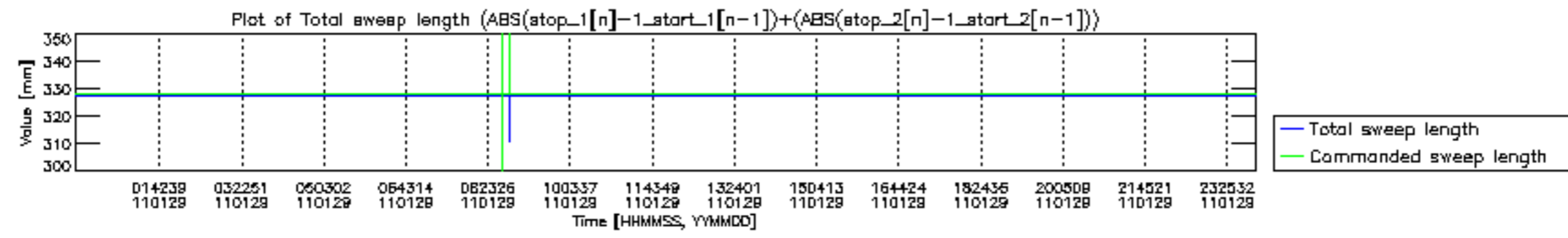


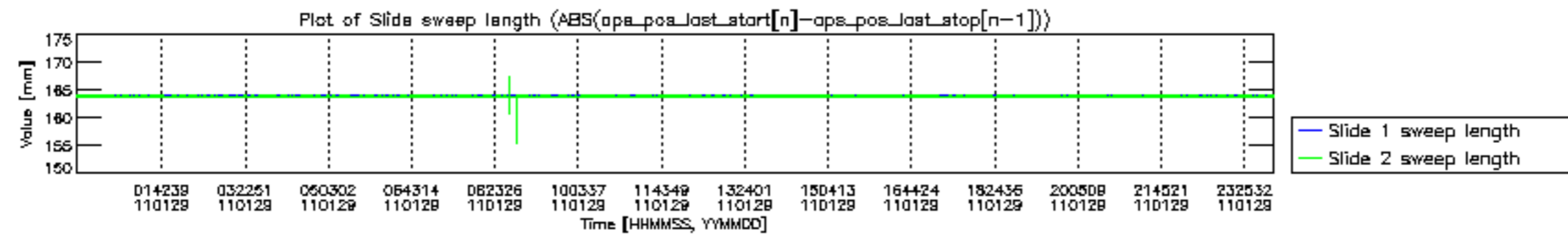


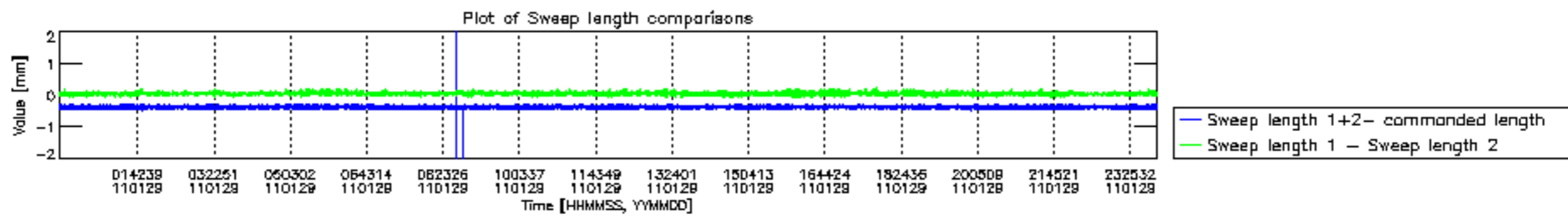


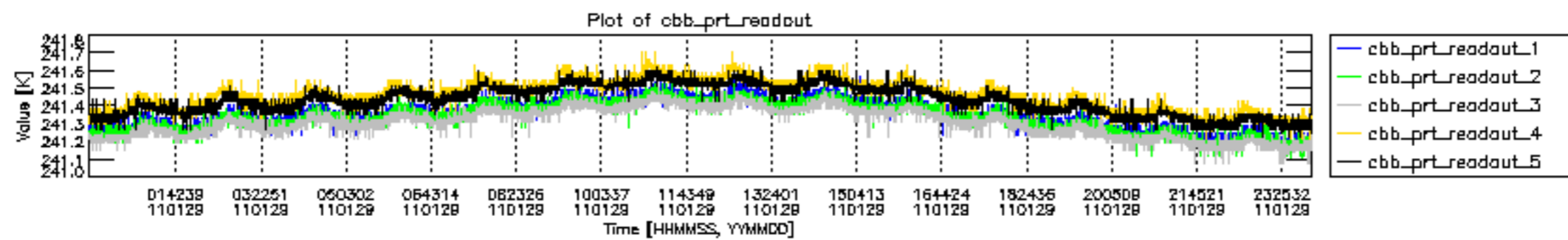


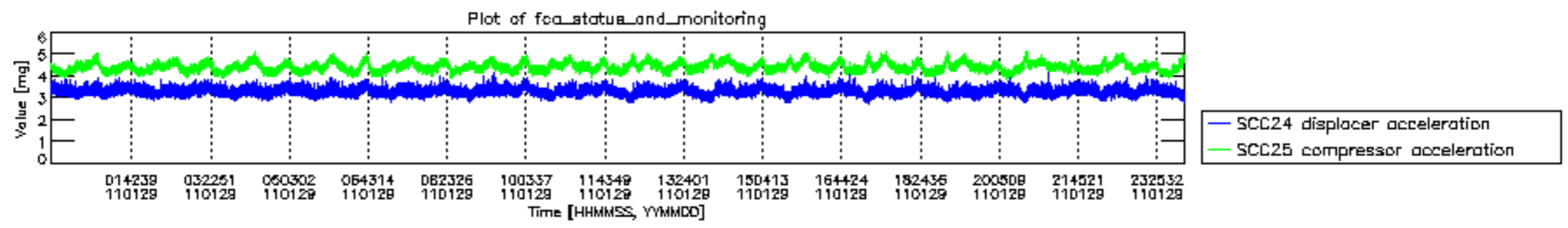












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

