

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	20NOV2011 05:24:54
Data source version	KSPT_L0/4504-N
Processing scope for products	15NOV2011 00:00:00 to 16NOV2011 00:00:00
Start time of first product within scope	15NOV2011 00:30:08
Stop time of last product within scope	16NOV2011 01:33:02
Total number of level 0 products	18
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__0PNPDE20111115_003008_000058023108_00332_50777_4837.N1	15NOV2011 00:30:08	15NOV2011 02:06:50	0	0	0	0	0
1	MIP_NL__0PNPDE20111115_004901_000046693108_00333_50778_4840.N1	15NOV2011 00:49:01	15NOV2011 02:06:50	0	0	0	0	0
2	MIP_NL__0PNPDE20111115_020551_000044893108_00333_50778_4838.N1	15NOV2011 02:05:51	15NOV2011 03:20:41	0	0	0	0	0
3	MIP_NL__0PNPDE20111115_032007_000061523108_00334_50779_4839.N1	15NOV2011 03:20:07	15NOV2011 05:02:40	0	0	0	0	0
4	MIP_NL__0PNPDE20111115_050204_000060983108_00335_50780_4841.N1	15NOV2011 05:02:04	15NOV2011 06:43:42	0	0	0	0	0
5	MIP_NL__0PNPDK20111115_064306_000040743108_00336_50781_7527.N1	15NOV2011 06:43:06	15NOV2011 07:51:00	0	0	0	0	0
6	MIP_NL__0PNPDK20111115_075002_000060573108_00337_50782_7528.N1	15NOV2011 07:50:02	15NOV2011 09:30:59	0	0	0	0	0
7	MIP_NL__0PNPDK20111115_092915_000061543108_00338_50783_7529.N1	15NOV2011 09:29:15	15NOV2011 11:11:49	0	0	0	0	0
8	MIP_NL__0PNPDK20111115_111005_000059623108_00339_50784_7530.N1	15NOV2011 11:10:05	15NOV2011 12:49:27	0	0	0	0	0
9	MIP_NL__0PNPDK20111115_124826_000059203108_00340_50785_7531.N1	15NOV2011 12:48:26	15NOV2011 14:27:07	0	0	0	0	0
10	MIP_NL__0PNPDK20111115_142604_000060043108_00341_50786_7532.N1	15NOV2011 14:26:04	15NOV2011 16:06:08	1	1	0	0	0
11	MIP_NL__0PNPDK20111115_160522_000055383108_00342_50787_7533.N1	15NOV2011 16:05:22	15NOV2011 17:37:40	0	0	0	0	0
12	MIP_NL__0PNPDK20111115_173740_000003303108_00343_50788_7534.N1	15NOV2011 17:37:40	15NOV2011 17:43:10	0	0	0	0	0
13	MIP_NL__0PNPDK20111115_174210_000059203108_00343_50788_7535.N1	15NOV2011 17:42:10	15NOV2011 19:20:50	0	0	0	0	0
14	MIP_NL__0PNPDK20111115_191901_000061403108_00344_50789_7536.N1	15NOV2011 19:19:01	15NOV2011 21:01:21	0	0	0	0	0
15	MIP_NL__0PNPDE20111115_205914_000043913108_00345_50790_4842.N1	15NOV2011 20:59:14	15NOV2011 22:12:25	0	0	0	0	0
16	MIP_NL__0PNPDE20111115_221116_000060753108_00345_50790_4843.N1	15NOV2011 22:11:16	15NOV2011 23:52:31	0	0	0	0	0
17	MIP_NL__0PNPDE20111115_235122_000061003108_00346_50791_4844.N1	15NOV2011 23:51:22	16NOV2011 01:33:02	0	0	0	0	0

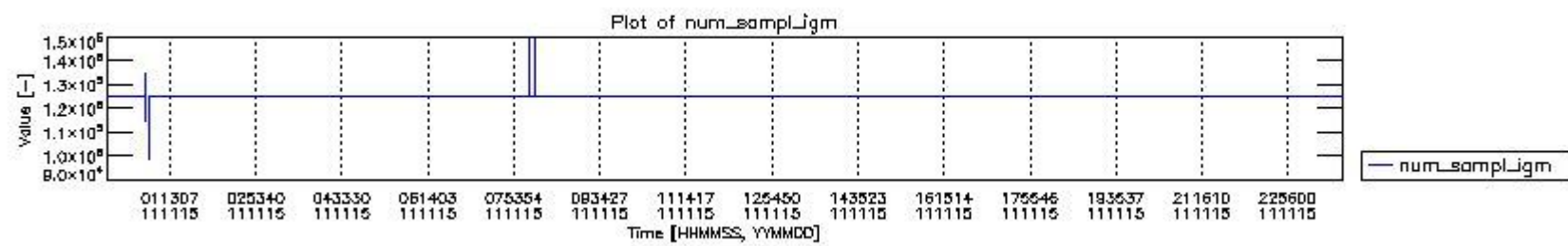
0.2 Instrument Operational Performance Parameters

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.

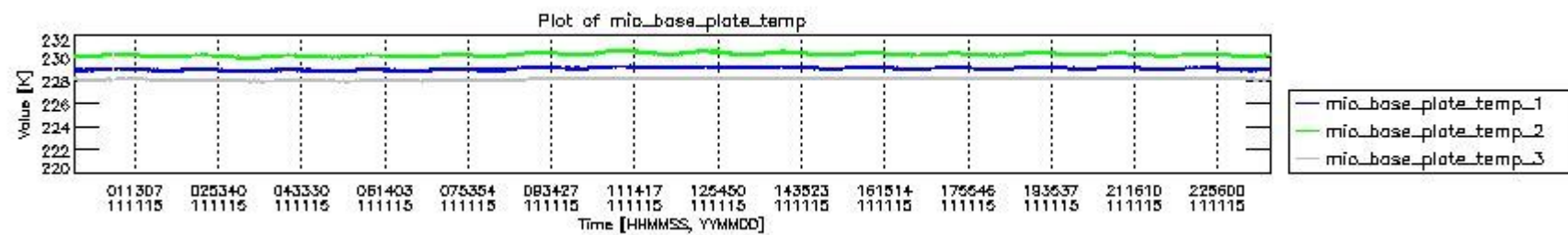
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
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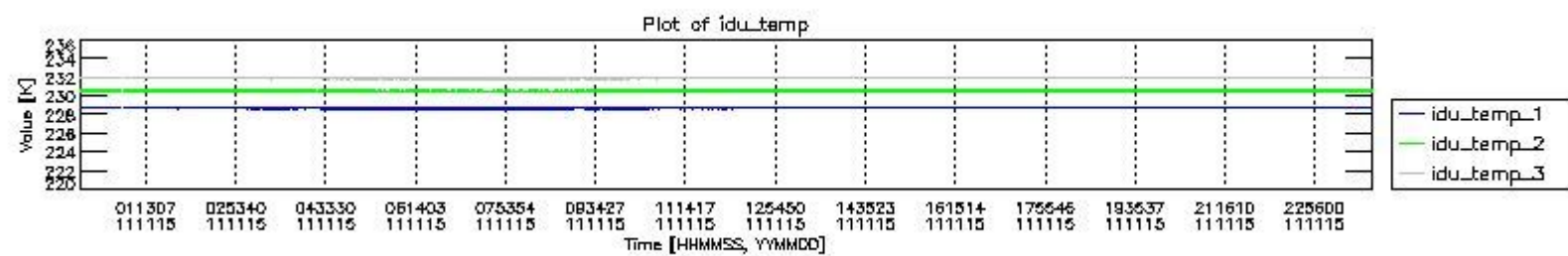
98847	1	0.0024014216
114893	1	0.0024014216
123398	1	0.0024014216
124099	1	0.0024014216
124800	38843	93.278421
124803	2787	6.6927621
125118	1	0.0024014216
127010	1	0.0024014216
127159	1	0.0024014216
135025	1	0.0024014216
147142	1	0.0024014216
147291	1	0.0024014216
149352	1	0.0024014216
149650	1	0.0024014216



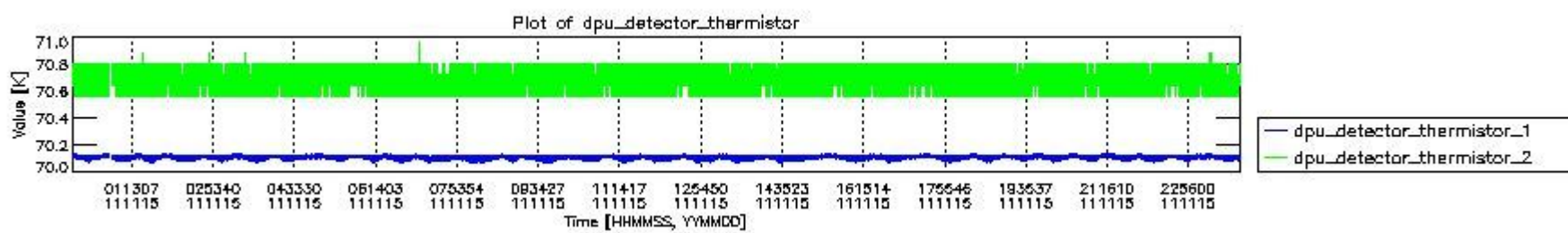
mipas_daily_report_level0_KSPT_L0_4504_N_20111115_0.PNG



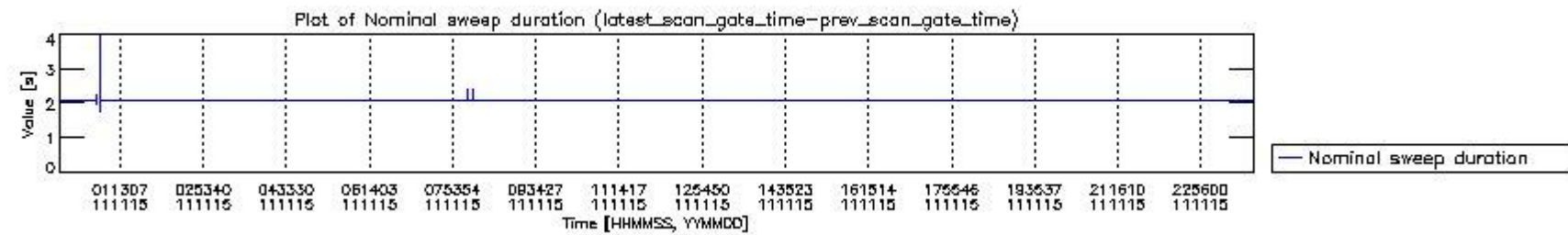
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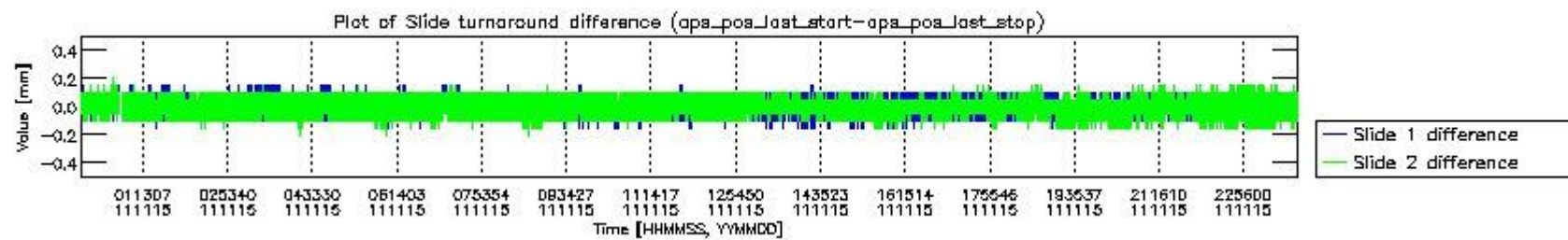
mipas_daily_report_level0_KSPT_L0_4504_N_20111115_2.PNG



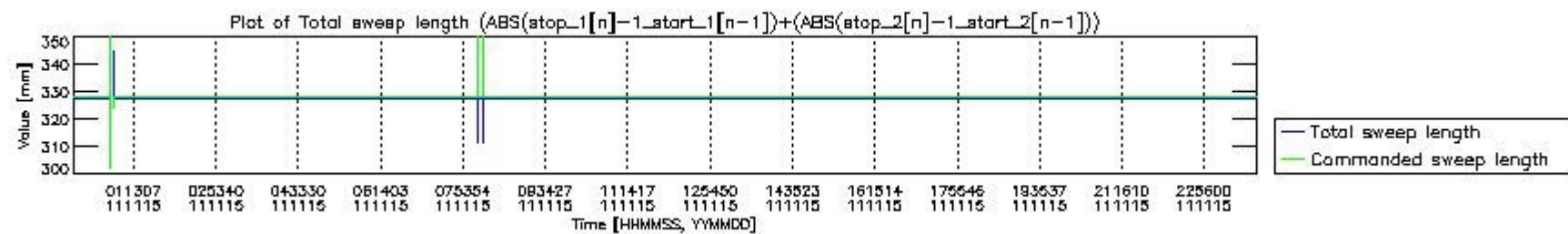
mipas_daily_report_level0_KSPT_L0_4504_N_20111115_3.PNG



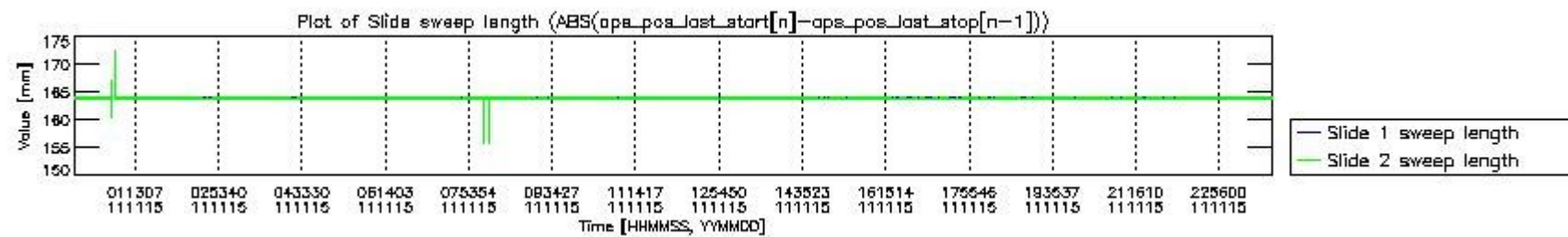
mipas_daily_report_level0_KSPT_L0_4504_N_20111115_4.PNG



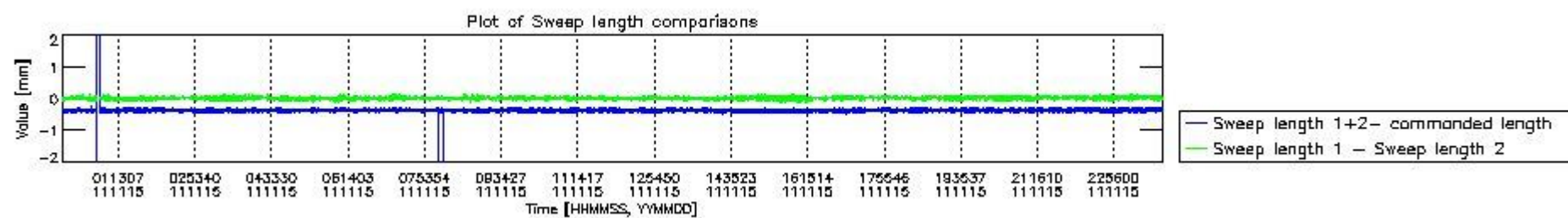
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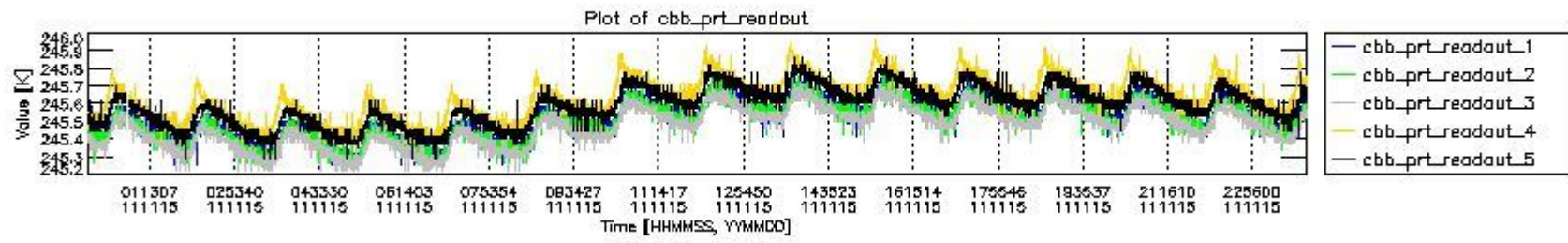
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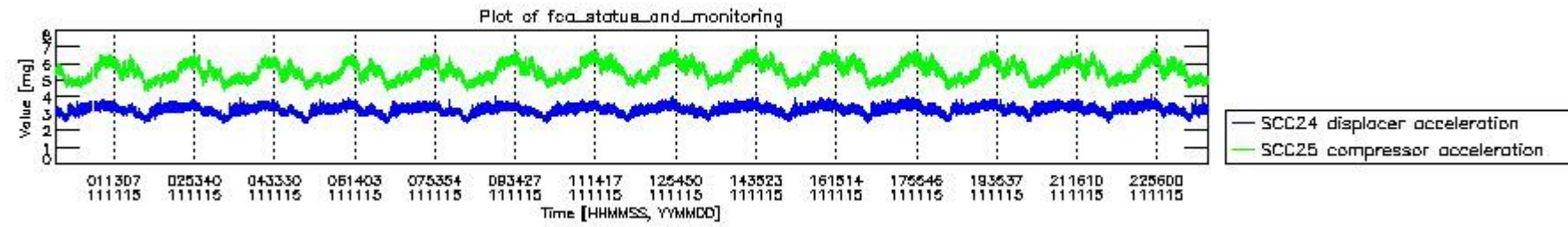
mipas_daily_report_level0_KSPT_L0_4504_N_20111115_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111115_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20111115_9.PNG

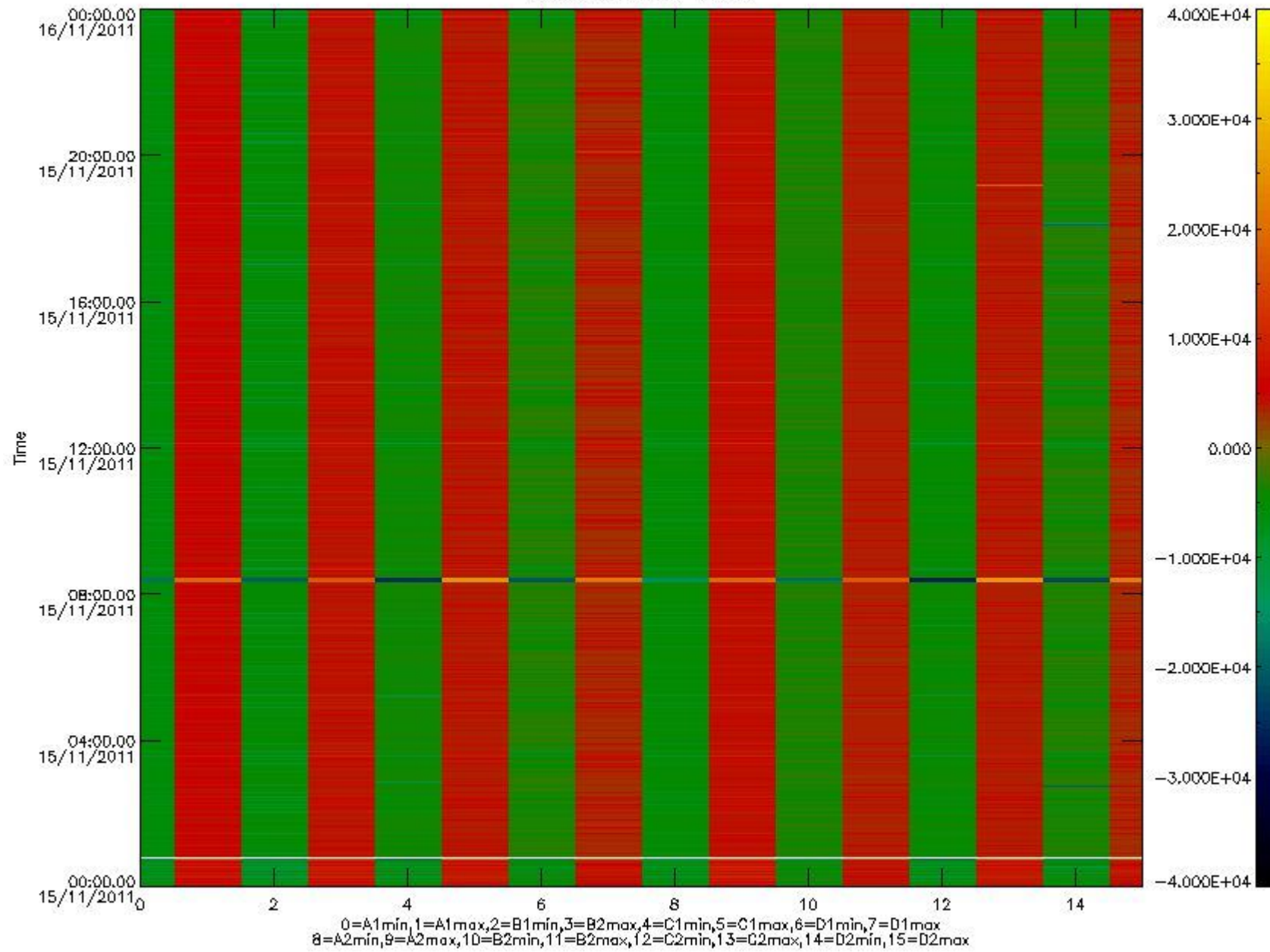


mipas_daily_report_level0_KSPT_L0_4504_N_20111115_10.PNG

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

Channel	Min	Max	ADC
A1	-18464	19597	16bit
B1	-20804	17859	16bit
C1	-25682	25564	16bit
D1	-21564	32767	16bit
A2	-15992	19772	16bit
B2	-18813	18432	16bit
C2	-26687	26283	16bit
D2	-32768	23505	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20111115_11.PNG

0.3 ADF monitoring

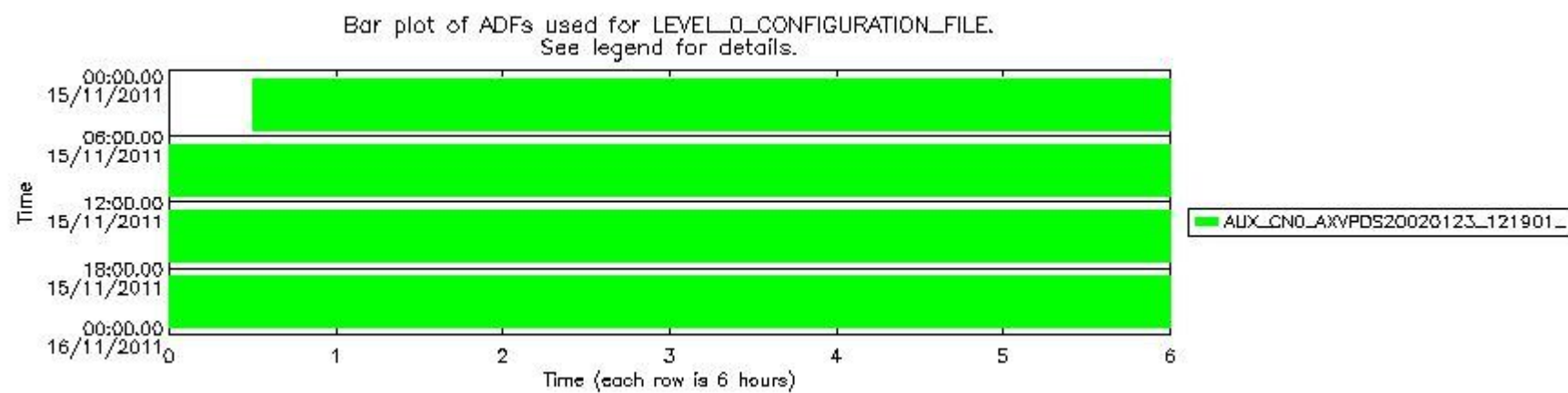
The use of ADFs is shown in two ways:

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.

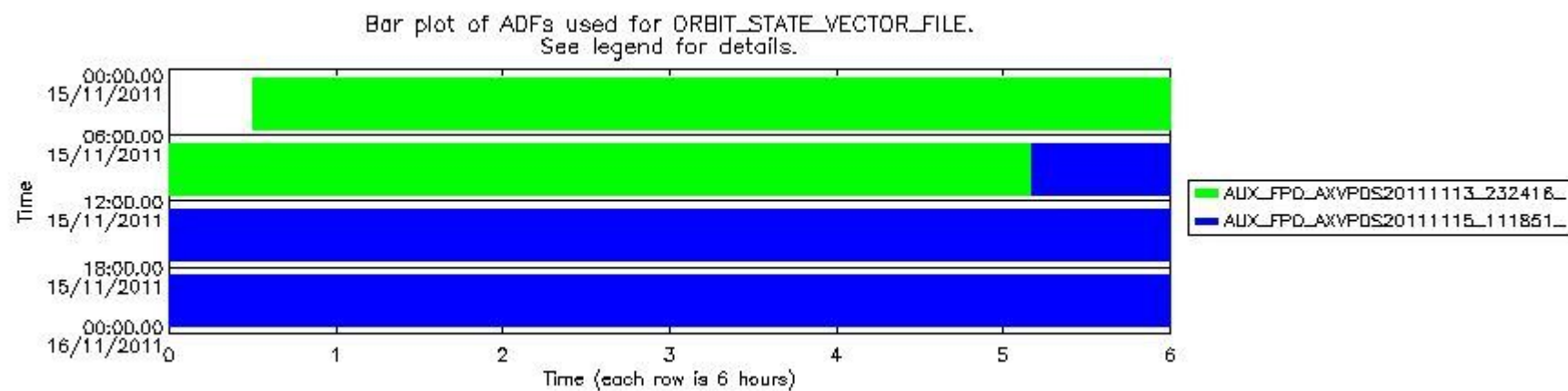
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111113_232416_20111113_183702_20111123_205044
2	AUX_FPO_AXVPDS20111115_111851_20111114_194031_20111124_201400

Number	Product name	#CN0	#FPO
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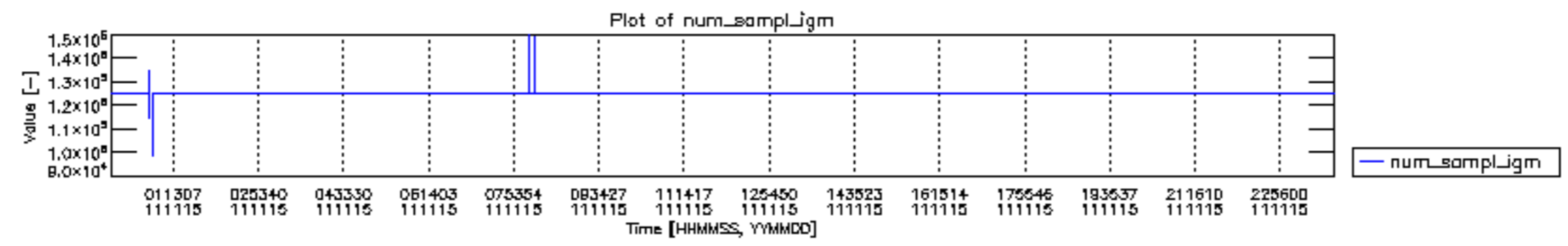
0	MIP_NL__0PNPDE20111115_003008_000058023108_00332_50777_4837.N1	0	1
1	MIP_NL__0PNPDE20111115_004901_000046693108_00333_50778_4840.N1	0	1
2	MIP_NL__0PNPDE20111115_020551_000044893108_00333_50778_4838.N1	0	1
3	MIP_NL__0PNPDE20111115_032007_000061523108_00334_50779_4839.N1	0	1
4	MIP_NL__0PNPDE20111115_050204_000060983108_00335_50780_4841.N1	0	1
5	MIP_NL__0PNPDK20111115_064306_000040743108_00336_50781_7527.N1	0	1
6	MIP_NL__0PNPDK20111115_075002_000060573108_00337_50782_7528.N1	0	1
7	MIP_NL__0PNPDK20111115_092915_000061543108_00338_50783_7529.N1	0	1
8	MIP_NL__0PNPDK20111115_111005_000059623108_00339_50784_7530.N1	0	2
9	MIP_NL__0PNPDK20111115_124826_000059203108_00340_50785_7531.N1	0	2
10	MIP_NL__0PNPDK20111115_142604_000060043108_00341_50786_7532.N1	0	2
11	MIP_NL__0PNPDK20111115_160522_000055383108_00342_50787_7533.N1	0	2
12	MIP_NL__0PNPDK20111115_173740_000003303108_00343_50788_7534.N1	0	2
13	MIP_NL__0PNPDK20111115_174210_000059203108_00343_50788_7535.N1	0	2
14	MIP_NL__0PNPDK20111115_191901_000061403108_00344_50789_7536.N1	0	2
15	MIP_NL__0PNPDE20111115_205914_000043913108_00345_50790_4842.N1	0	2
16	MIP_NL__0PNPDE20111115_221116_000060753108_00345_50790_4843.N1	0	2
17	MIP_NL__0PNPDE20111115_235122_000061003108_00346_50791_4844.N1	0	2

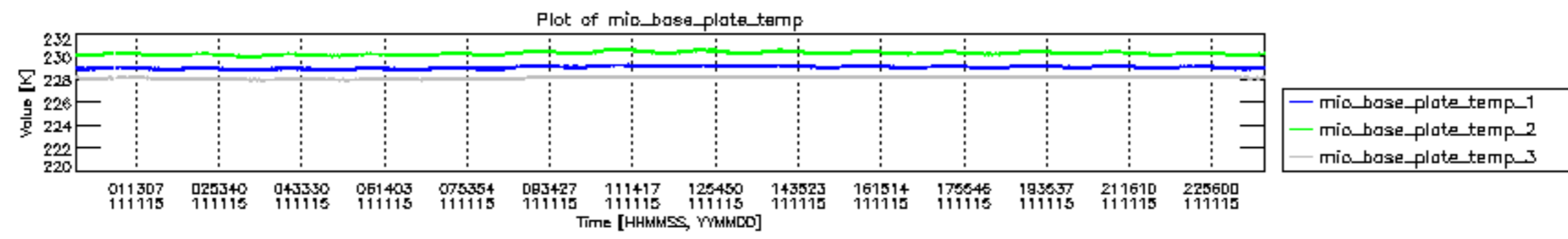


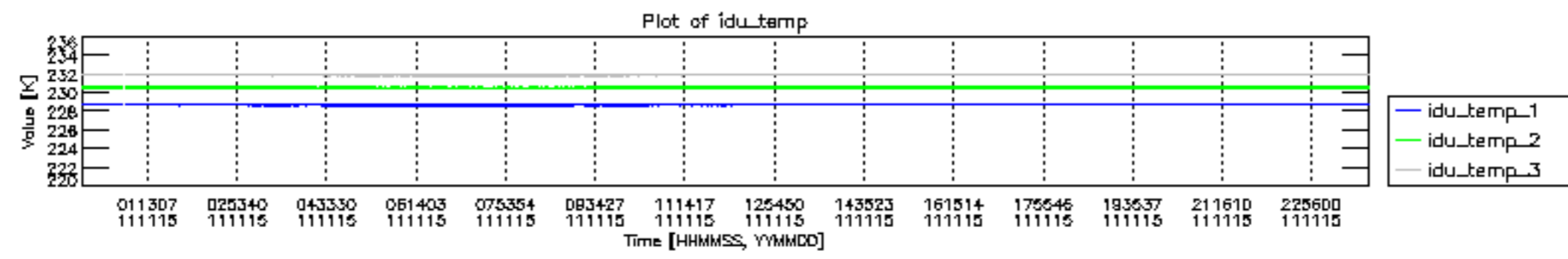
mipas_daily_report_level0_KSPT_L0_4504_N_20111115_12.PNG

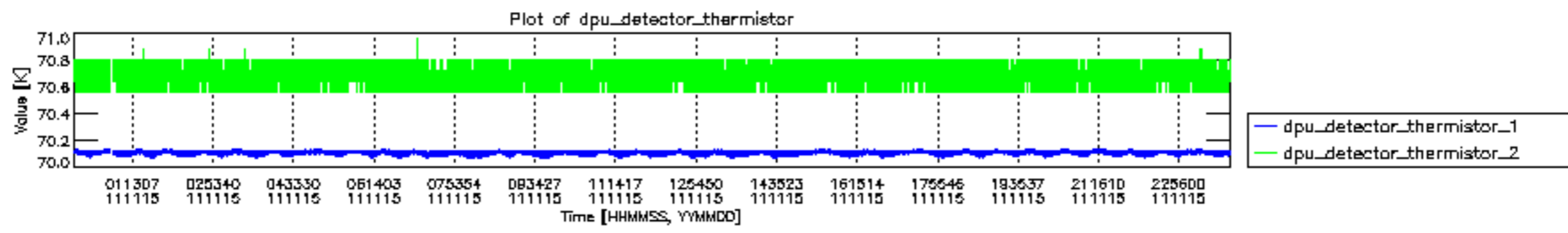


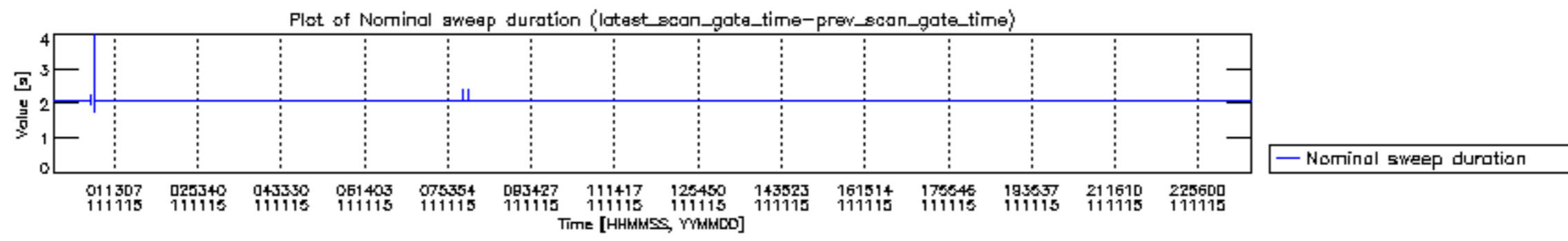
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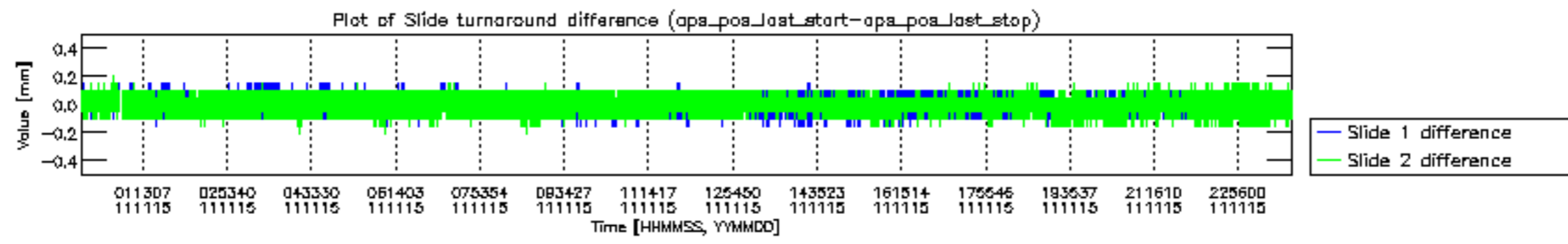


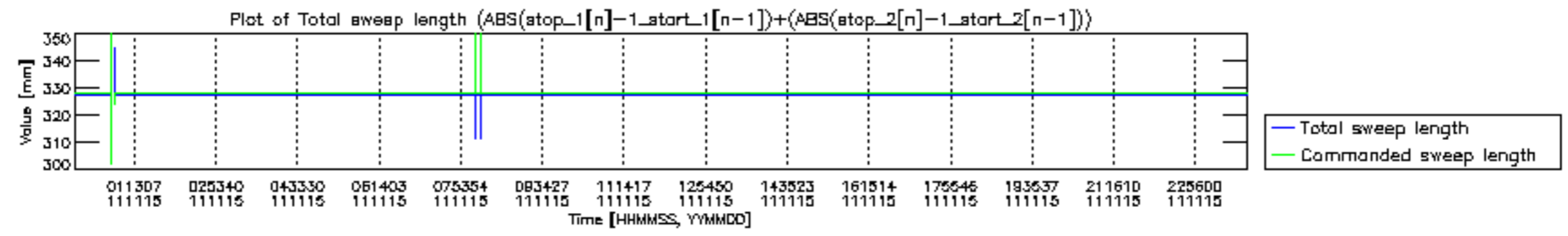


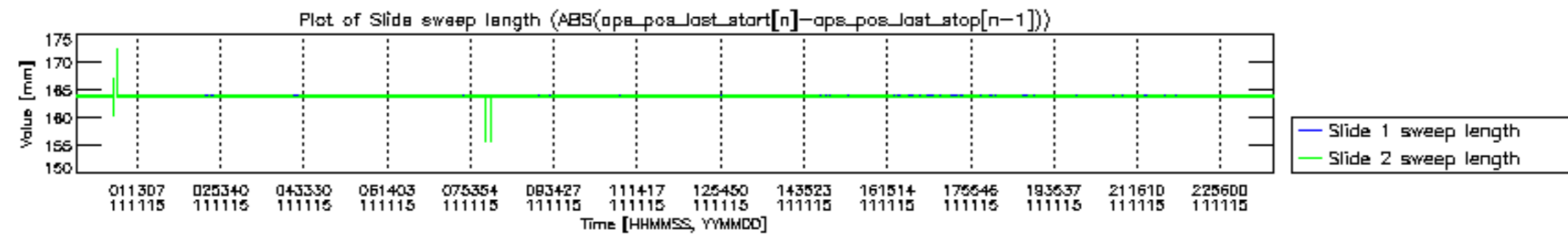


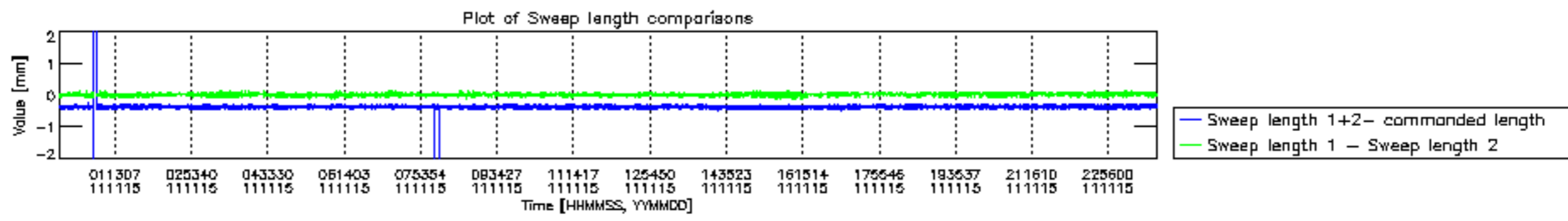


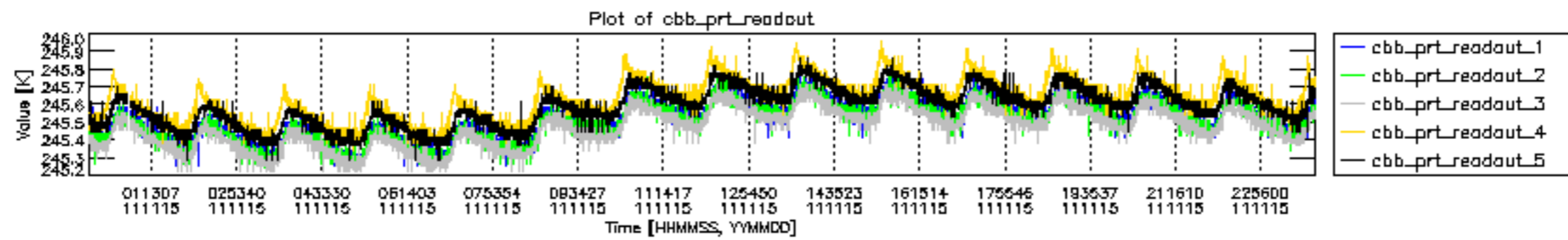


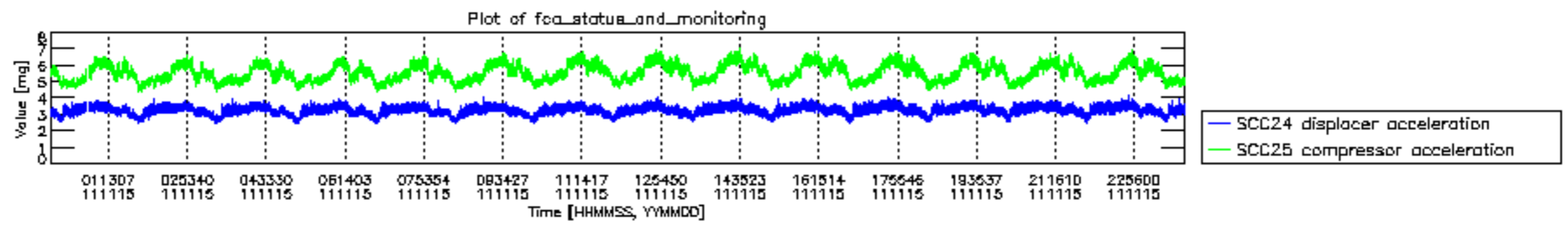












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

