

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	25NOV2010 05:24:01
Data source version	KSPT_L0/4504-N
Processing scope for products	20NOV2010 00:00:00 to 21NOV2010 00:00:00
Start time of first product within scope	20NOV2010 00:22:45
Stop time of last product within scope	21NOV2010 01:25:38
Total number of level 0 products	15
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__0PNPDE20101120_002245_000058353096_00332_45605_2053.N1	20NOV2010 00:22:45	20NOV2010 02:00:00	0	0	0	0	0
1	MIP_NL__0PNPDE20101120_015820_000045883096_00333_45606_2054.N1	20NOV2010 01:58:20	20NOV2010 03:14:48	0	0	0	0	0
2	MIP_NL__0PNPDE20101120_031414_000062213096_00334_45607_2055.N1	20NOV2010 03:14:14	20NOV2010 04:57:56	0	0	0	0	0
3	MIP_NL__0PNPDE20101120_045722_000059913096_00335_45608_2056.N1	20NOV2010 04:57:22	20NOV2010 06:37:13	0	0	0	0	0
4	MIP_NL__0PNPDK20101120_074214_000062093096_00337_45610_3323.N1	20NOV2010 07:42:14	20NOV2010 09:25:43	0	0	0	0	0
5	MIP_NL__0PNPDK20101120_092403_000060063096_00338_45611_3324.N1	20NOV2010 09:24:03	20NOV2010 11:04:09	0	0	0	0	0
6	MIP_NL__0PNPDK20101120_110310_000060463096_00339_45612_3325.N1	20NOV2010 11:03:10	20NOV2010 12:43:56	1	1	0	0	0
7	MIP_NL__0PNPDK20101120_124258_000059483096_00340_45613_3326.N1	20NOV2010 12:42:58	20NOV2010 14:22:06	0	0	0	0	0
8	MIP_NL__0PNPDK20101120_142107_000059623096_00341_45614_3327.N1	20NOV2010 14:21:07	20NOV2010 16:00:30	0	0	0	0	0
9	MIP_NL__0PNPDK20101120_155956_000058083096_00342_45615_3328.N1	20NOV2010 15:59:56	20NOV2010 17:36:44	0	0	0	0	0
10	MIP_NL__0PNPDK20101120_173543_000059503096_00343_45616_3329.N1	20NOV2010 17:35:43	20NOV2010 19:14:53	0	0	0	0	0
11	MIP_NL__0PNPDK20101120_191344_000061323096_00344_45617_3330.N1	20NOV2010 19:13:44	20NOV2010 20:55:56	0	0	0	0	0
12	MIP_NL__0PNPDE20101120_205430_000043223096_00345_45618_2058.N1	20NOV2010 20:54:30	20NOV2010 22:06:33	0	0	0	0	0
13	MIP_NL__0PNPDE20101120_220450_000061103096_00345_45618_2059.N1	20NOV2010 22:04:50	20NOV2010 23:46:41	0	0	0	0	0
14	MIP_NL__0PNPDE20101120_234534_000060043096_00346_45619_2060.N1	20NOV2010 23:45:34	21NOV2010 01:25:38	0	0	0	0	0

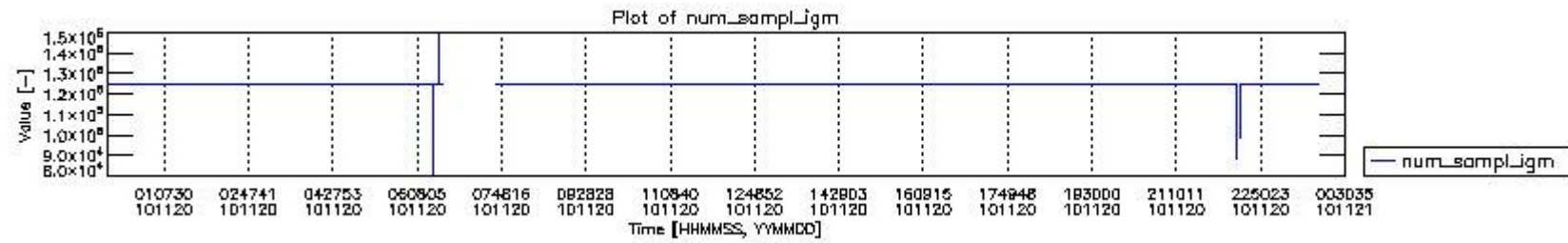
0.2 Instrument Operational Performance Parameters

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.

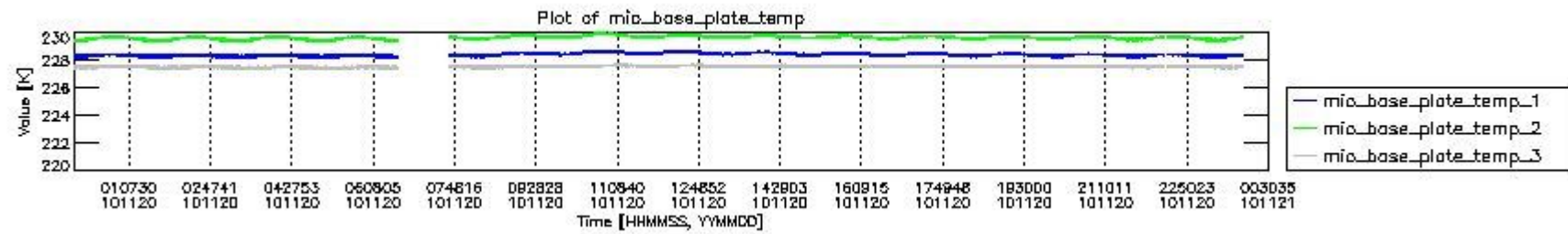
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
80662	1	0.0025245513
88244	1	0.0025245513
92665	1	0.0025245513

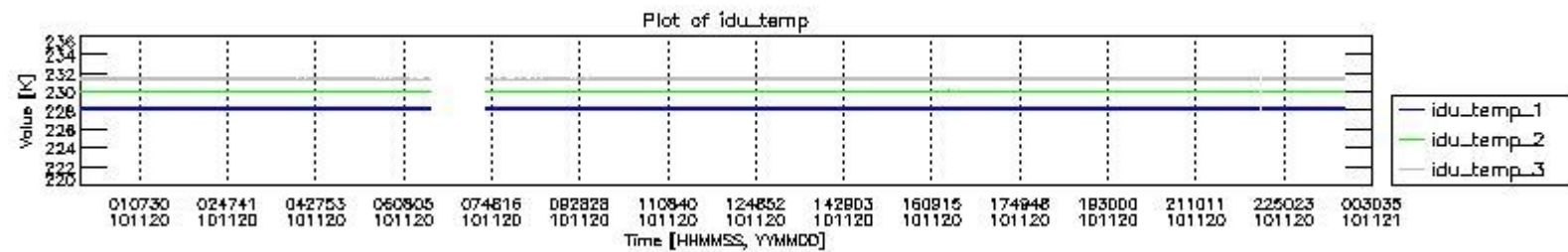
96456	1	0.0025245513
98699	1	0.0025245513
112797	1	0.0025245513
116588	1	0.0025245513
123102	1	0.0025245513
123951	1	0.0025245513
124800	36943	93.264497
124803	2656	6.7052081
126787	1	0.0025245513
146919	1	0.0025245513
148906	1	0.0025245513



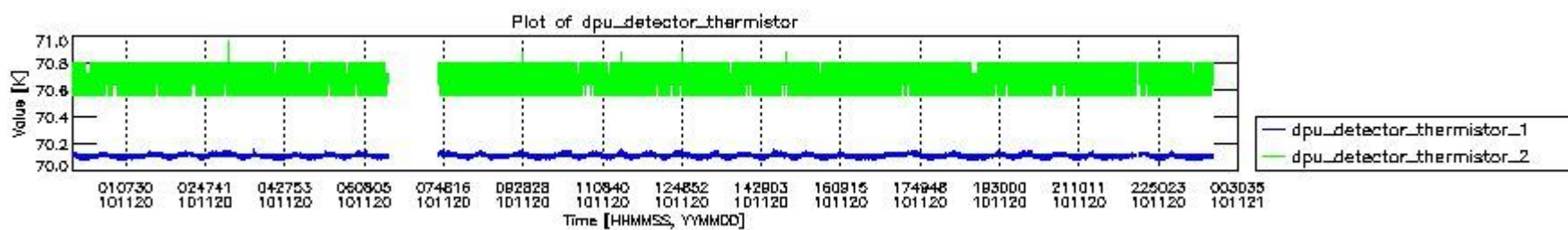
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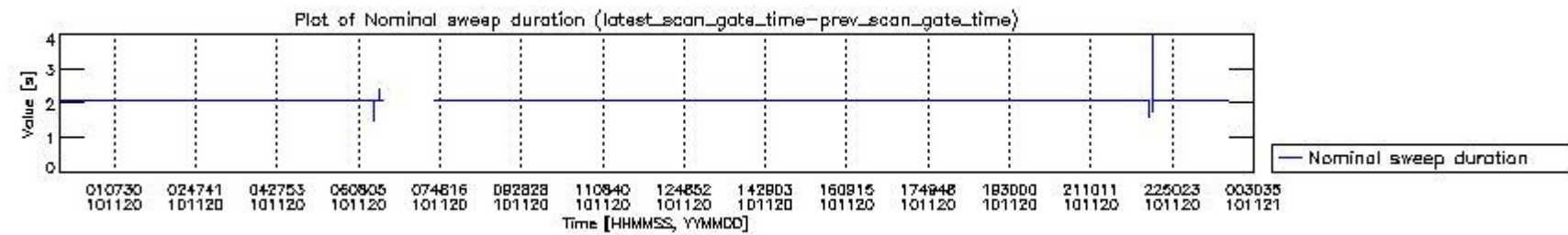
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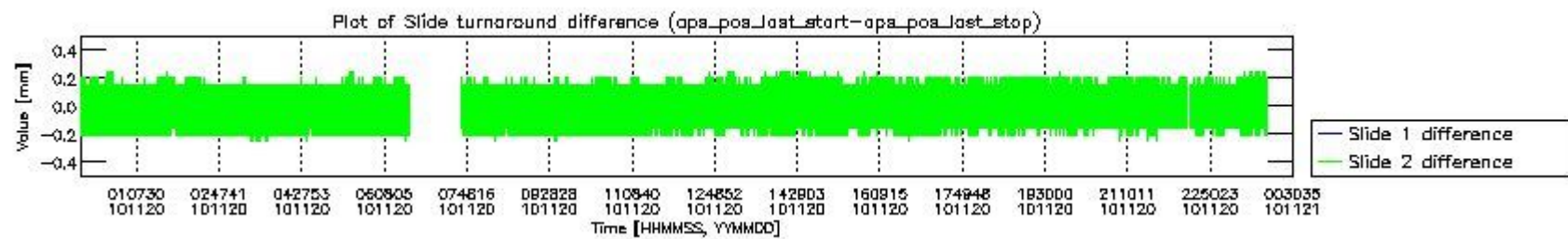
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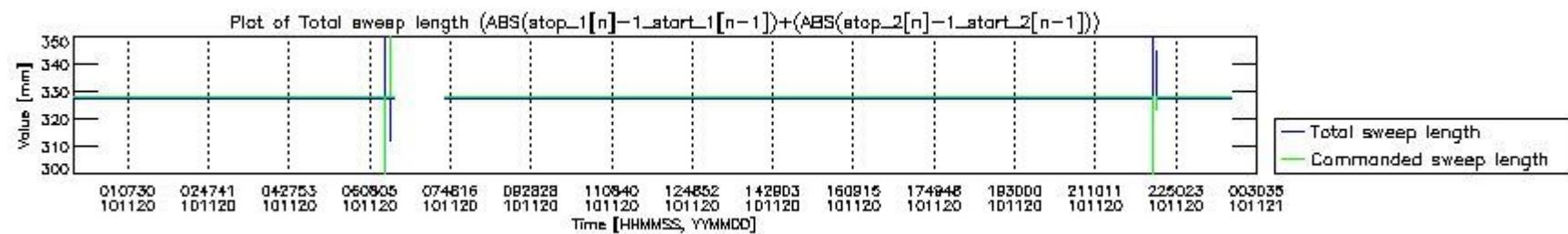
mipas_daily_report_level0_KSPT_L0_4504_N_20101120_3.PNG



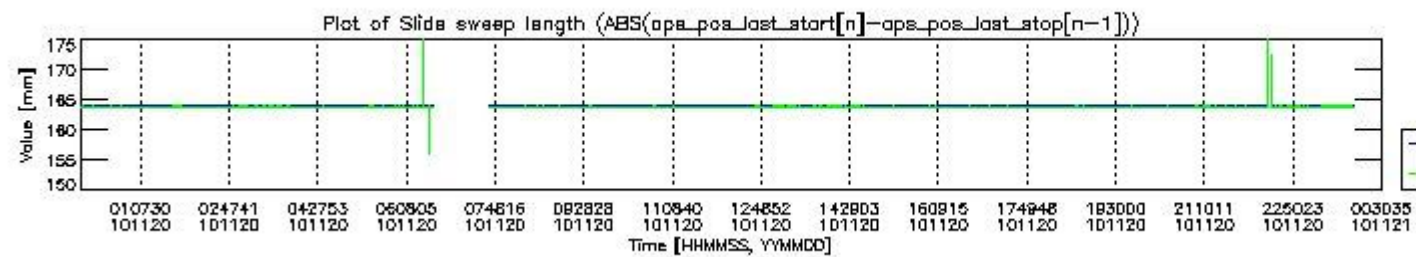
mipas_daily_report_level0_KSPT_L0_4504_N_20101120_4.PNG



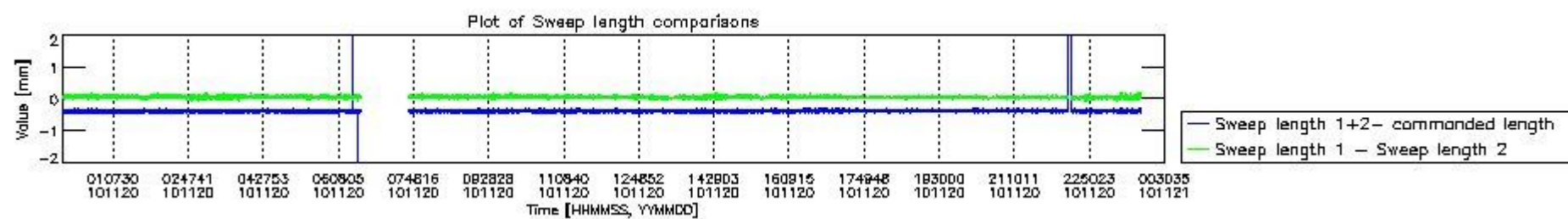
mipas_daily_report_level0_KSPT_L0_4504_N_20101120_5.PNG



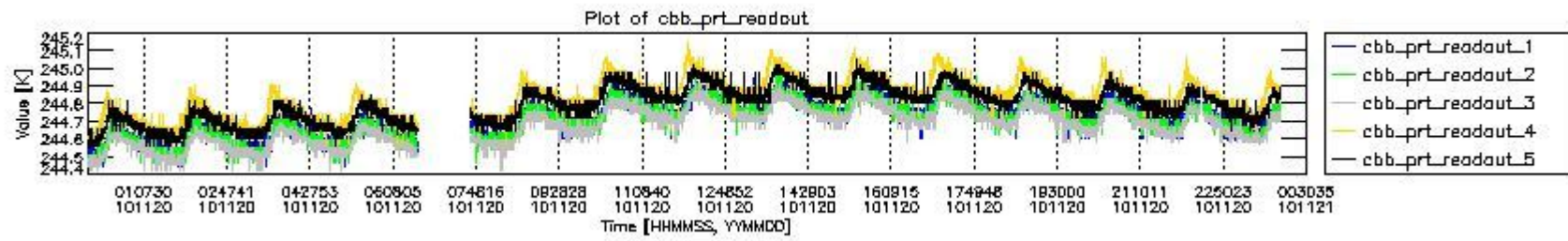
mipas_daily_report_level0_KSPT_L0_4504_N_20101120_6.PNG



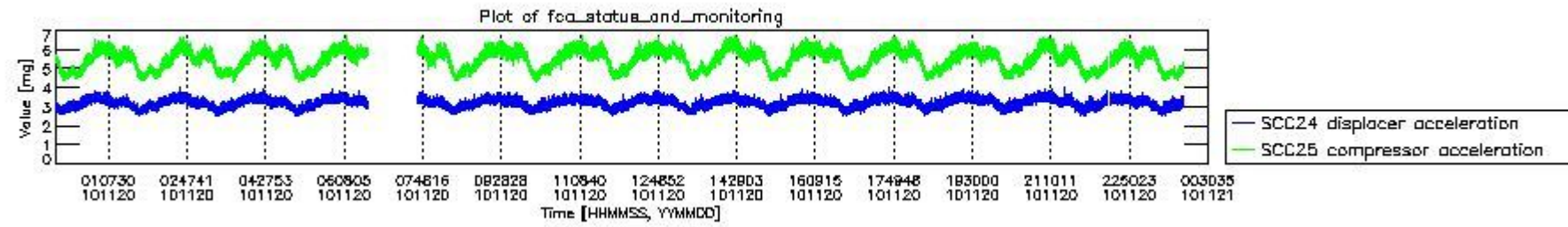
mipas_daily_report_level0_KSPT_L0_4504_N_20101120_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101120_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101120_9.PNG

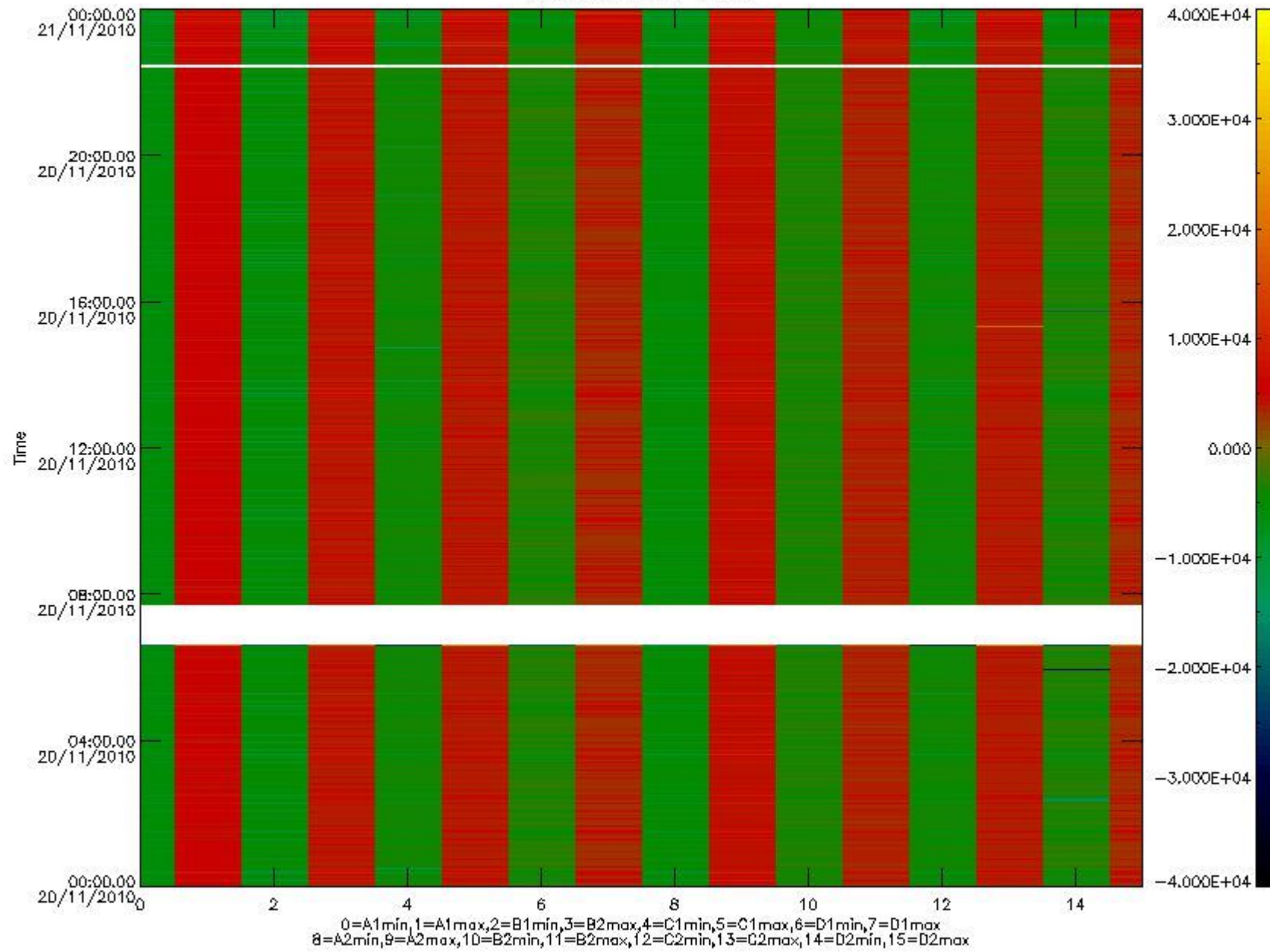


mipas_daily_report_level0_KSPT_L0_4504_N_20101120_10.PNG

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

Channel	Min	Max	ADC
A1	-18570	19756	16bit
B1	-20567	17672	16bit
C1	-32768	25941	16bit
D1	-32768	32767	16bit
A2	-16025	19870	16bit
B2	-22647	19471	16bit
C2	-26682	32767	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_20101120_11.PNG

0.3 ADF monitoring

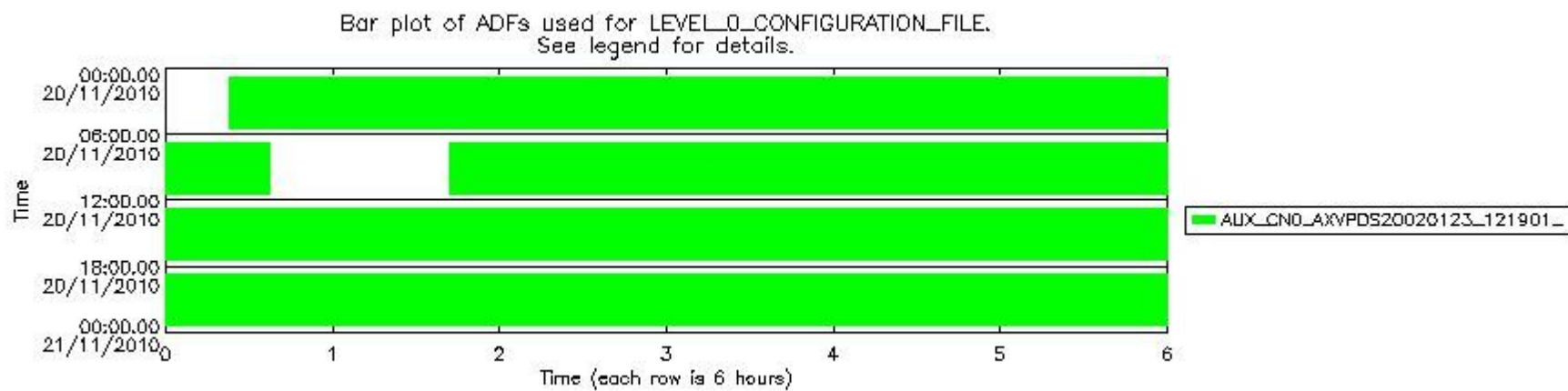
The use of ADFs is shown in two ways:

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.

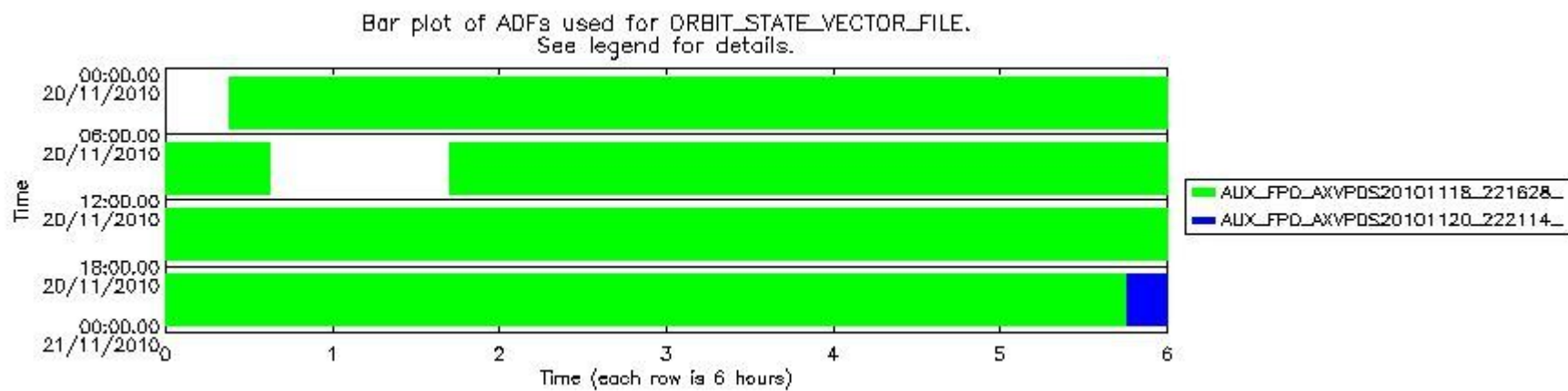
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101118_221628_20101118_183107_20101128_204501
2	AUX_FPO_AXVPDS20101120_222114_20101119_193438_20101129_200818

Number	Product name	#CN0	#FPO
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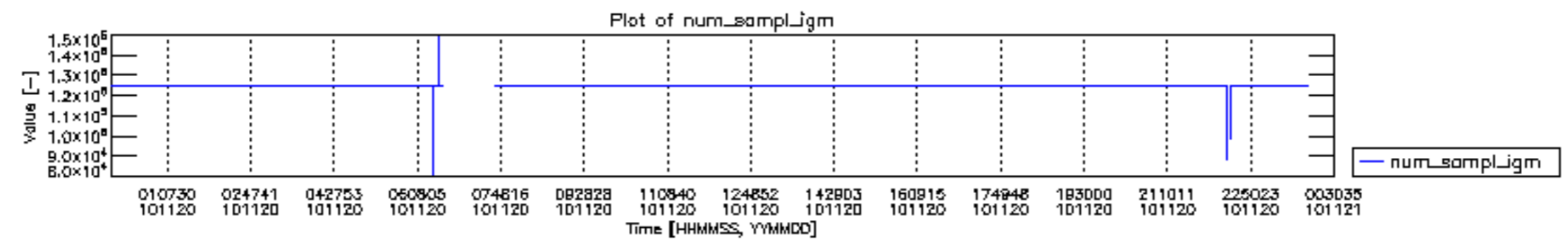
0	MIP_NL__0PNPDE20101120_002245_000058353096_00332_45605_2053.N1	0	1
1	MIP_NL__0PNPDE20101120_015820_000045883096_00333_45606_2054.N1	0	1
2	MIP_NL__0PNPDE20101120_031414_000062213096_00334_45607_2055.N1	0	1
3	MIP_NL__0PNPDE20101120_045722_000059913096_00335_45608_2056.N1	0	1
4	MIP_NL__0PNPDK20101120_074214_000062093096_00337_45610_3323.N1	0	1
5	MIP_NL__0PNPDK20101120_092403_000060063096_00338_45611_3324.N1	0	1
6	MIP_NL__0PNPDK20101120_110310_000060463096_00339_45612_3325.N1	0	1
7	MIP_NL__0PNPDK20101120_124258_000059483096_00340_45613_3326.N1	0	1
8	MIP_NL__0PNPDK20101120_142107_000059623096_00341_45614_3327.N1	0	1
9	MIP_NL__0PNPDK20101120_155956_000058083096_00342_45615_3328.N1	0	1
10	MIP_NL__0PNPDK20101120_173543_000059503096_00343_45616_3329.N1	0	1
11	MIP_NL__0PNPDK20101120_191344_000061323096_00344_45617_3330.N1	0	1
12	MIP_NL__0PNPDE20101120_205430_000043223096_00345_45618_2058.N1	0	1
13	MIP_NL__0PNPDE20101120_220450_000061103096_00345_45618_2059.N1	0	1
14	MIP_NL__0PNPDE20101120_234534_000060043096_00346_45619_2060.N1	0	2

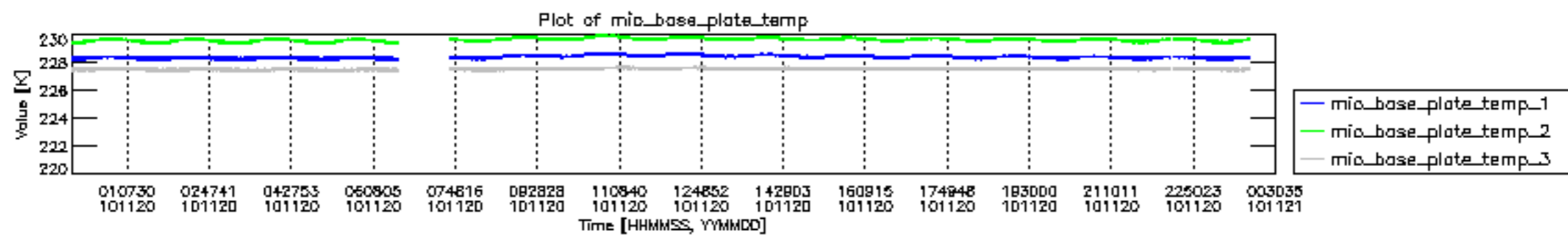


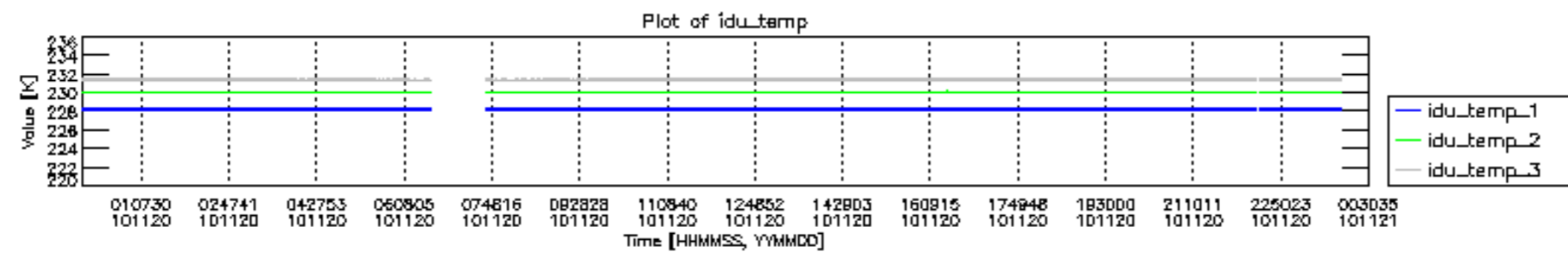
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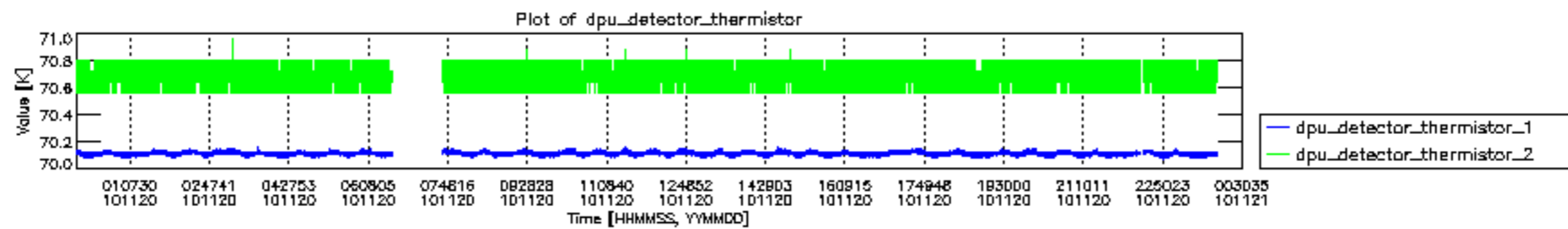


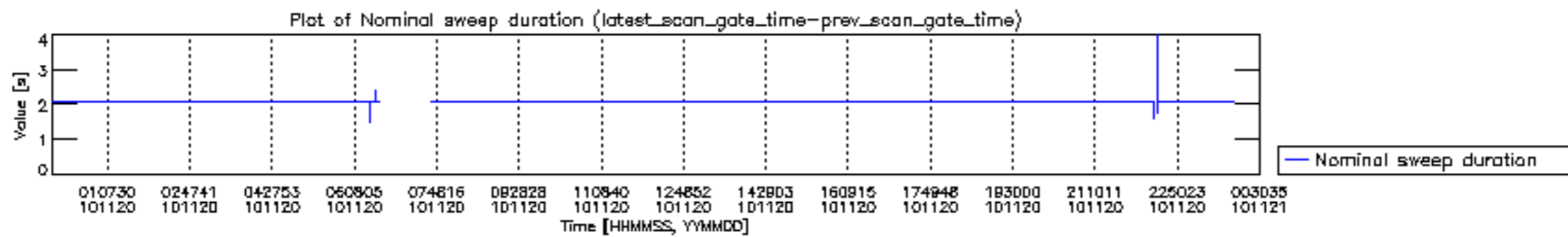
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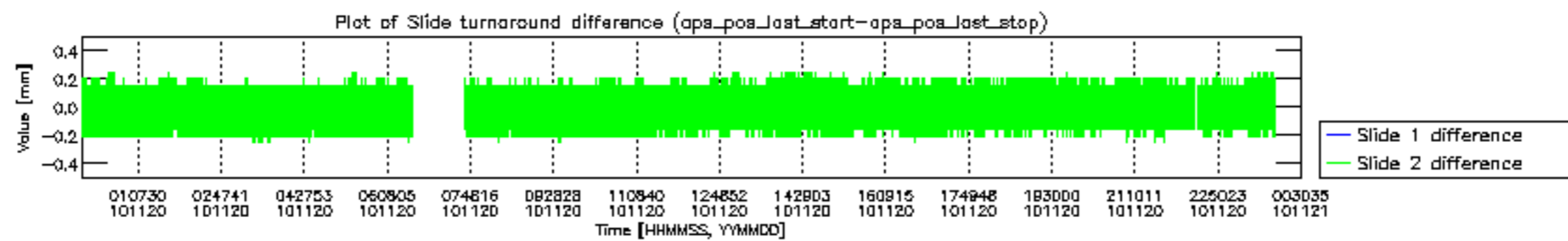


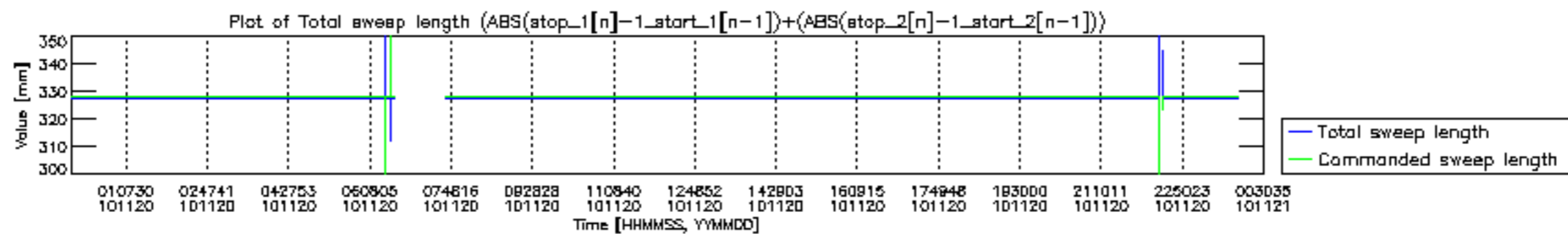


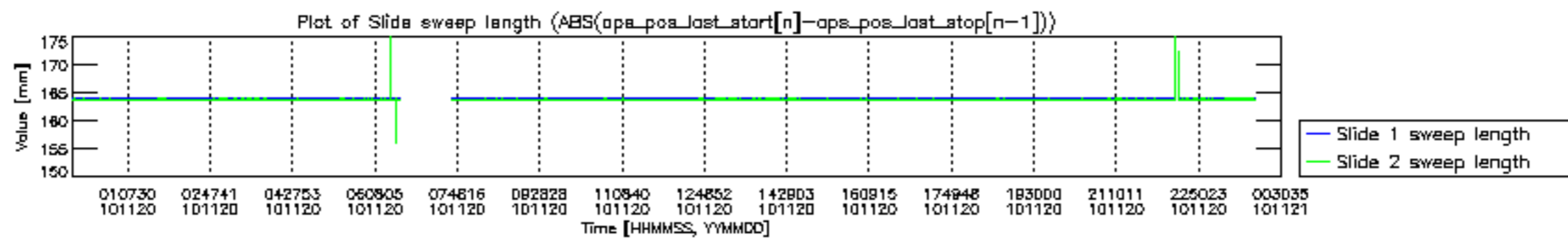


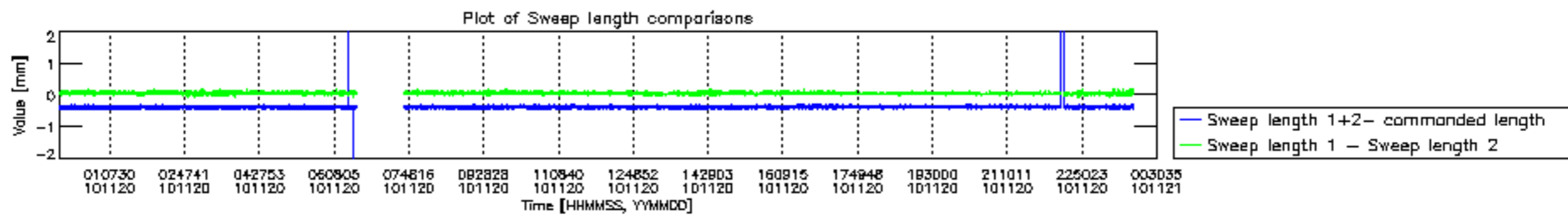


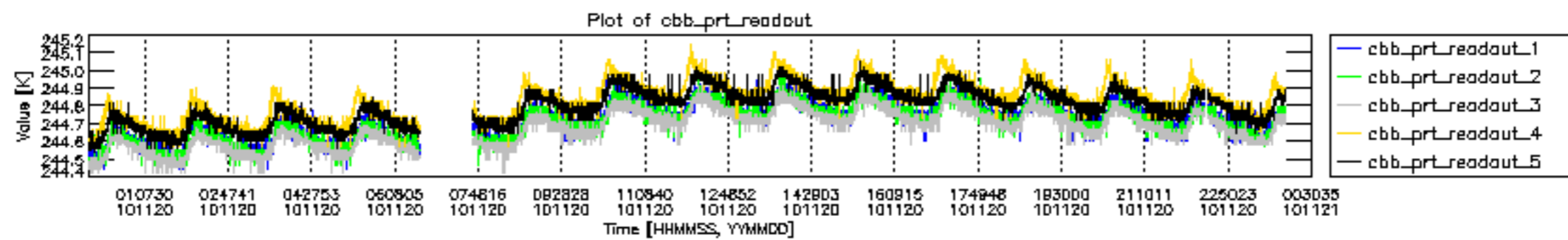


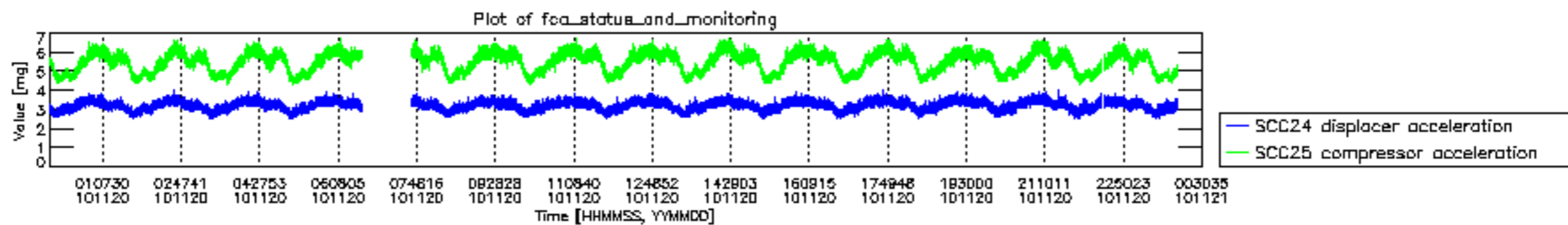












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

