

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	04DEC2010 05:24:14
Data source version	KSPT_L0/4504-N
Processing scope for products	29NOV2010 00:00:00 to 30NOV2010 00:00:00
Start time of first product within scope	29NOV2010 01:31:08
Stop time of last product within scope	30NOV2010 00:57:47
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__0PNPDE20101129_013108_000044393097_00031_45735_2231.N1	29NOV2010 01:31:08	29NOV2010 02:45:07	0	0	0	0	0
1	MIP_NL__0PNPDE20101129_024434_000061733097_00032_45736_2232.N1	29NOV2010 02:44:34	29NOV2010 04:27:27	0	0	0	0	0
2	MIP_NL__0PNPDE20101129_042651_000060723097_00033_45737_2233.N1	29NOV2010 04:26:51	29NOV2010 06:08:03	0	0	0	0	0
3	MIP_NL__0PNPDK20101129_060730_000040673097_00034_45738_3415.N1	29NOV2010 06:07:30	29NOV2010 07:15:17	0	0	0	0	0
4	MIP_NL__0PNPDK20101129_071419_000061713097_00035_45739_3416.N1	29NOV2010 07:14:19	29NOV2010 08:57:10	0	0	0	0	0
5	MIP_NL__0PNPDK20101129_085542_000059273097_00036_45740_3417.N1	29NOV2010 08:55:42	29NOV2010 10:34:29	0	0	0	0	0
6	MIP_NL__0PNPDK20101129_103333_000059563097_00037_45741_3418.N1	29NOV2010 10:33:33	29NOV2010 12:12:49	0	0	0	0	0
7	MIP_NL__0PNPDK20101129_121152_000060583097_00038_45742_3419.N1	29NOV2010 12:11:52	29NOV2010 13:52:50	0	0	0	0	0
8	MIP_NL__0PNPDK20101129_135154_000059583097_00039_45743_3420.N1	29NOV2010 13:51:54	29NOV2010 15:31:12	0	0	0	0	0
9	MIP_NL__0PNPDK20101129_153028_000058663097_00040_45744_3421.N1	29NOV2010 15:30:28	29NOV2010 17:08:14	0	0	0	0	0
10	MIP_NL__0PNPDK20101129_170638_000059433097_00041_45745_3422.N1	29NOV2010 17:06:38	29NOV2010 18:45:42	0	0	0	0	0
11	MIP_NL__0PNPDK20101129_184435_000060443097_00042_45746_3423.N1	29NOV2010 18:44:35	29NOV2010 20:25:18	0	0	0	0	0
12	MIP_NL__0PNPDE20101129_202357_000043183097_00043_45747_2234.N1	29NOV2010 20:23:57	29NOV2010 21:35:55	0	0	0	0	0
13	MIP_NL__0PNPDE20101129_213454_000062343097_00043_45747_2238.N1	29NOV2010 21:34:54	29NOV2010 23:18:48	0	0	0	0	0
14	MIP_NL__0PNPDE20101129_231739_000060083097_00044_45748_2237.N1	29NOV2010 23:17:39	30NOV2010 00:57:47	0	0	0	0	0

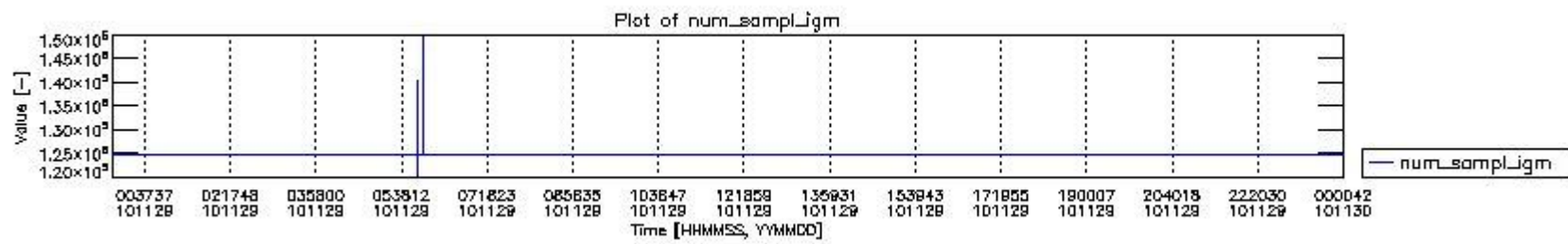
0.2 Instrument Operational Performance Parameters

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.

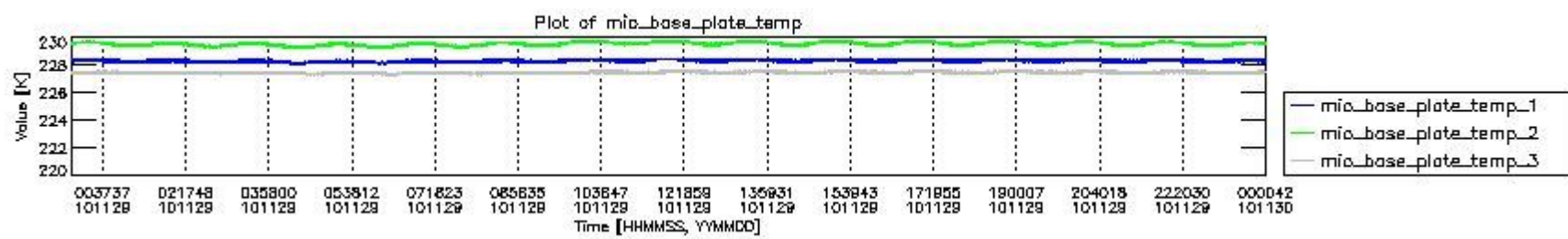
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
120394	1	0.0024044241
124800	38632	92.887713
124803	2952	7.0978601

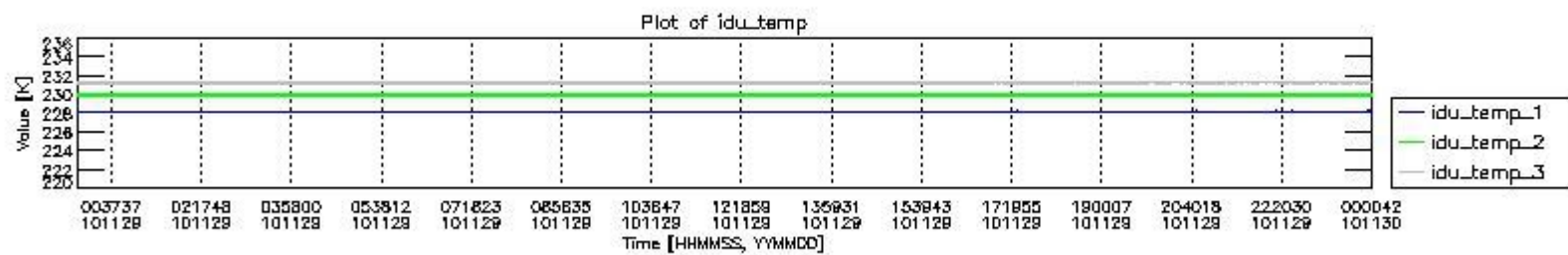
127159	1	0.0024044241
136120	1	0.0024044241
140526	1	0.0024044241
147291	1	0.0024044241
149650	1	0.0024044241



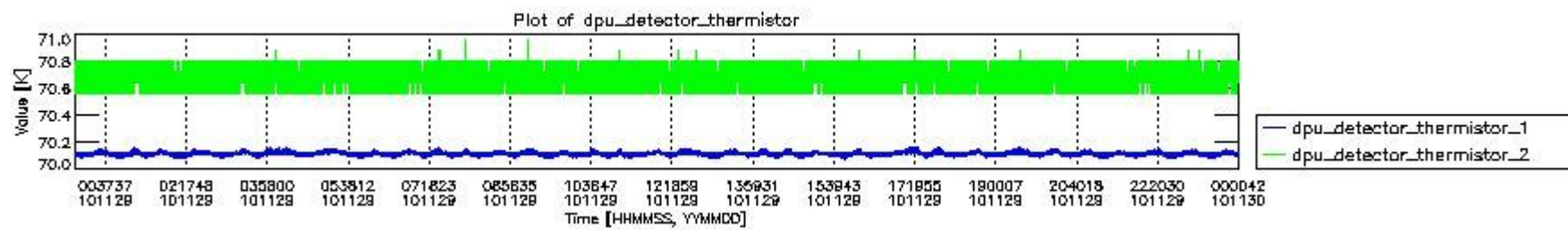
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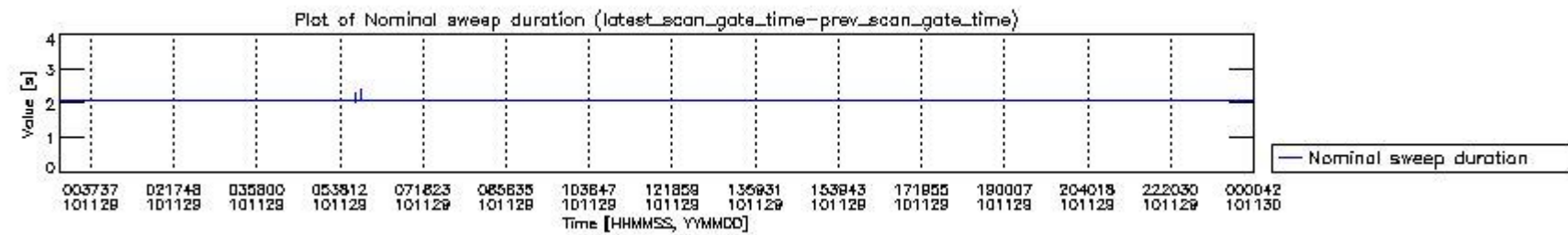
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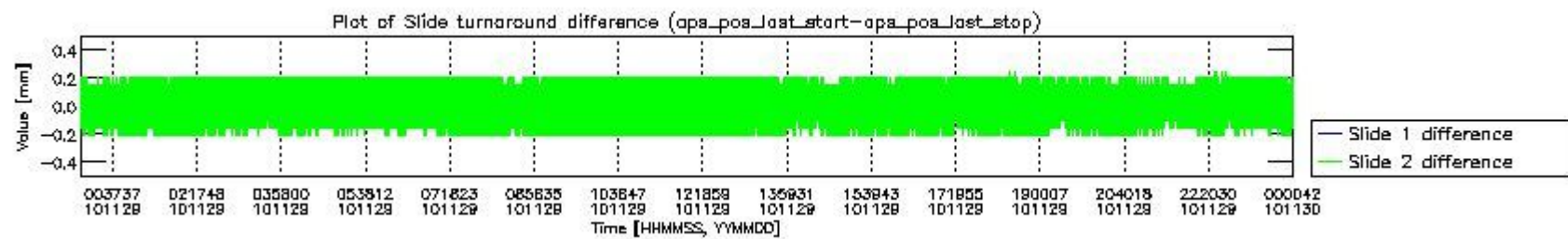
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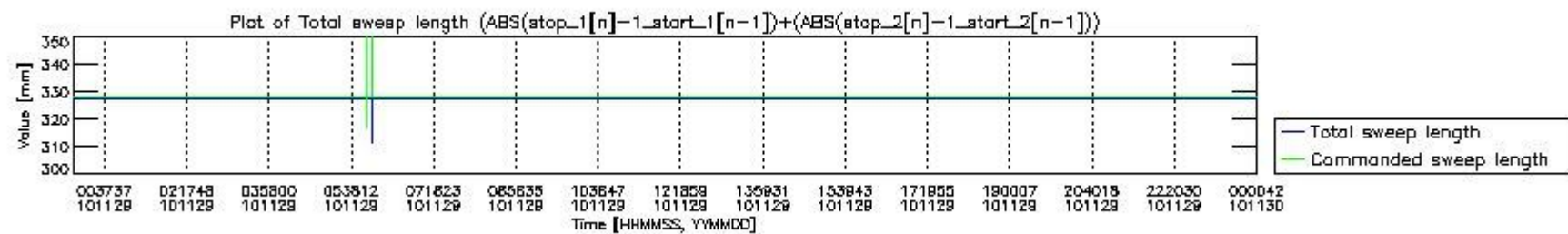
mipas_daily_report_level0_KSPT_L0_4504_N_20101129_3.PNG



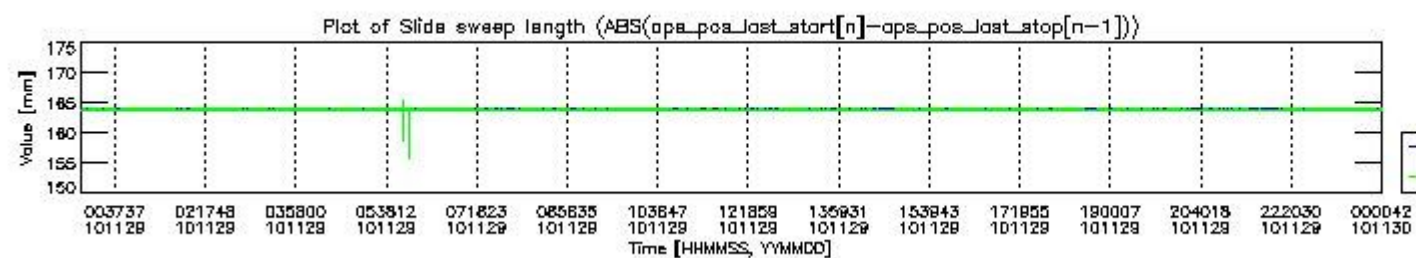
mipas_daily_report_level0_KSPT_L0_4504_N_20101129_4.PNG



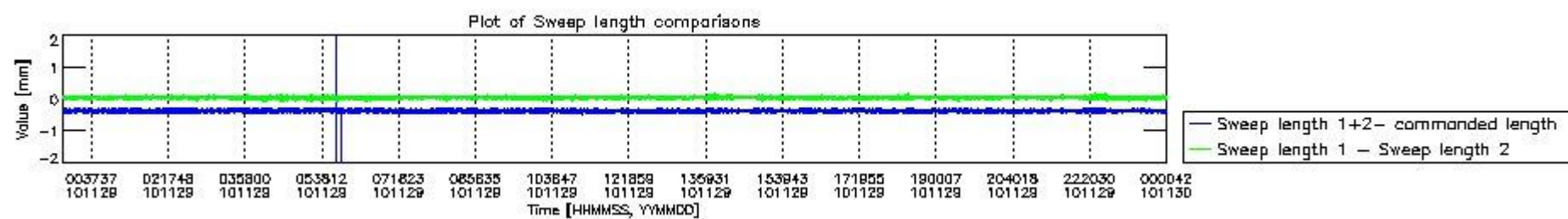
mipas_daily_report_level0_KSPT_L0_4504_N_20101129_5.PNG



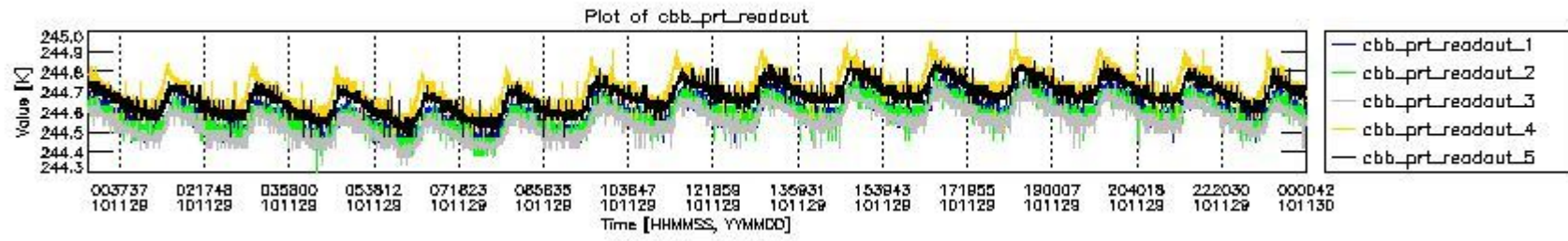
mipas_daily_report_level0_KSPT_L0_4504_N_20101129_6.PNG



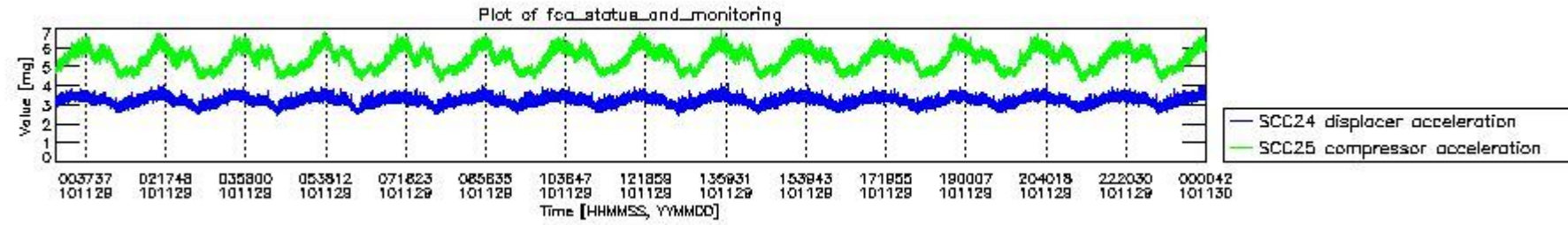
mipas_daily_report_level0_KSPT_L0_4504_N_20101129_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101129_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101129_9.PNG

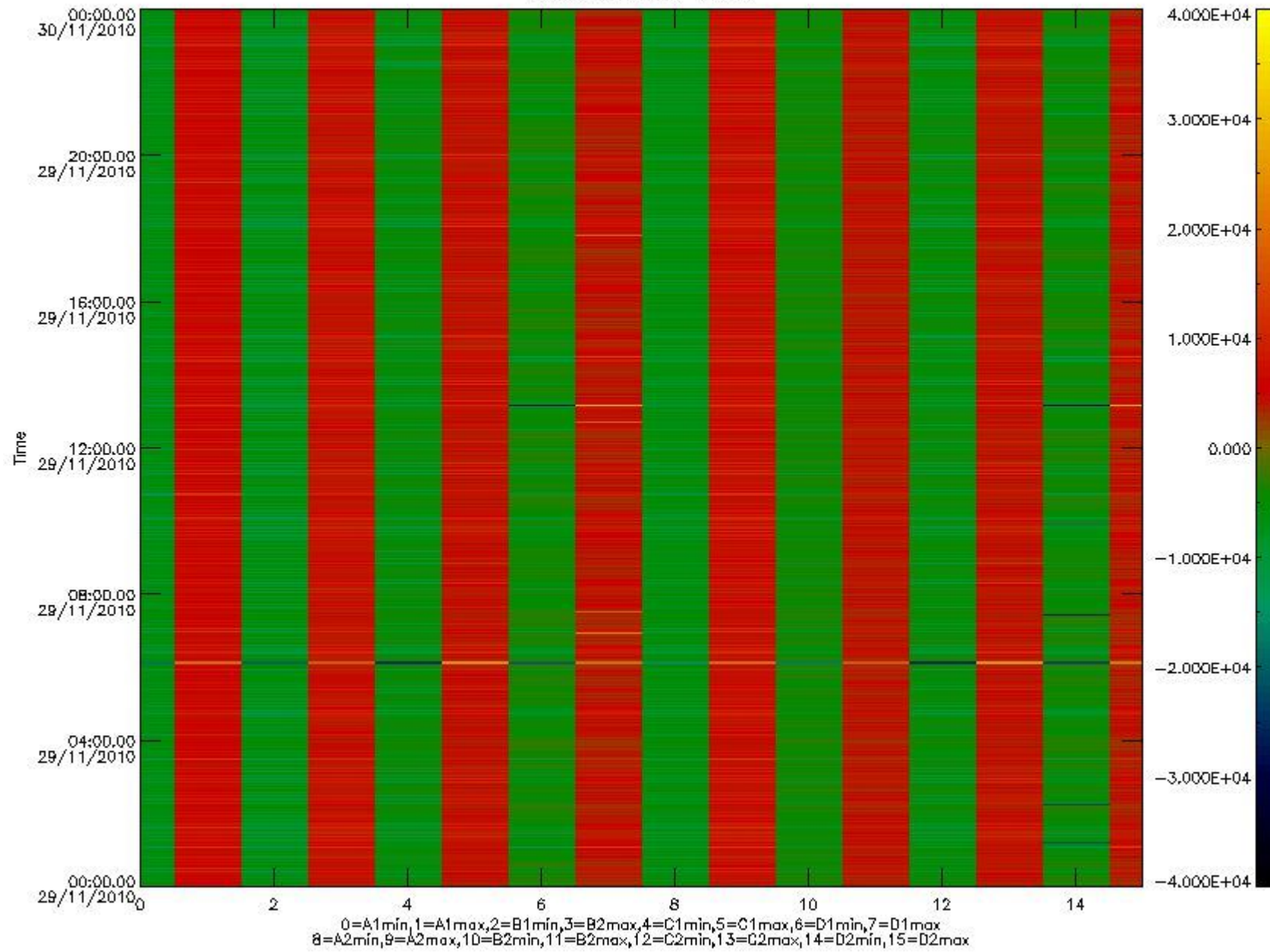


mipas_daily_report_level0_KSPT_L0_4504_N_20101129_10.PNG

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

Channel	Min	Max	ADC
A1	-18504	19713	16bit
B1	-20503	17632	16bit
C1	-24864	24712	16bit
D1	-32768	32767	16bit
A2	-15973	19799	16bit
B2	-18629	18205	16bit
C2	-25889	25416	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_20101129_11.PNG

0.3 ADF monitoring

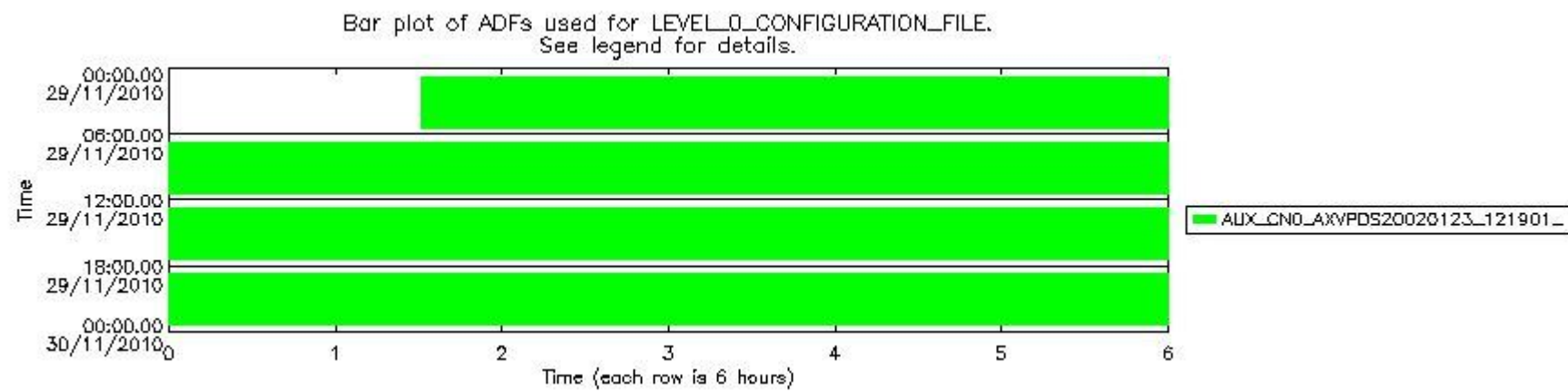
The use of ADFs is shown in two ways:

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.

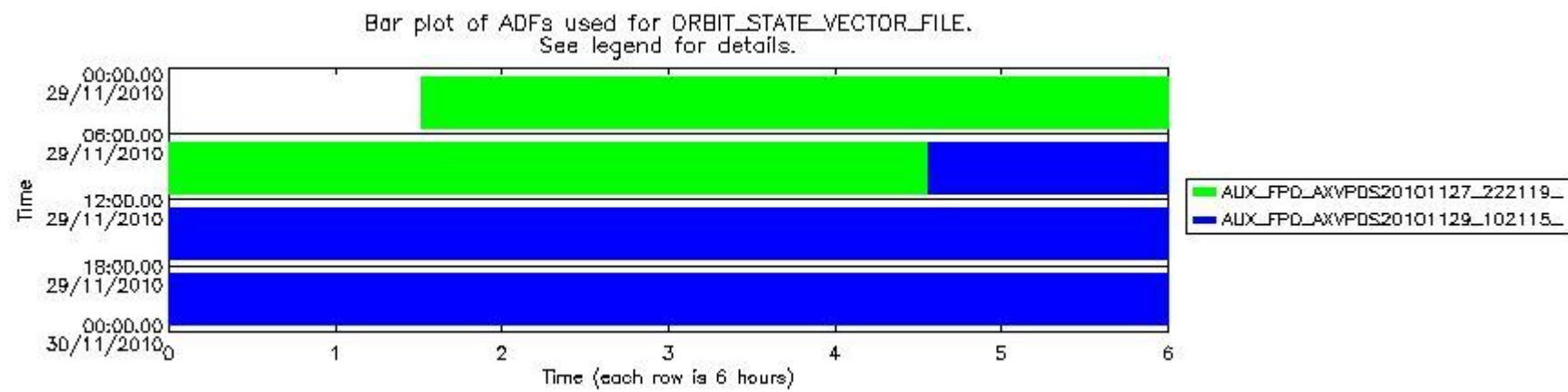
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101127_222119_20101127_194131_20101207_201512
2	AUX_FPO_AXVPDS20101129_102115_20101128_190448_20101208_211842

Number	Product name	#CN0	#FPO
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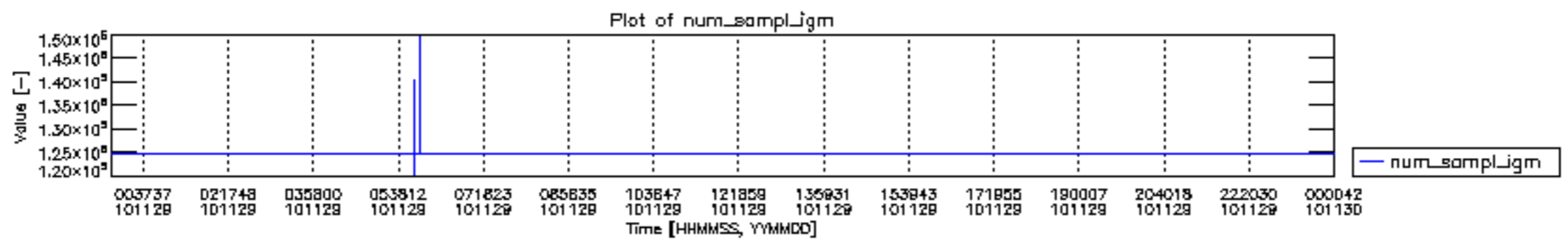
0	MIP_NL__0PNPDE20101129_013108_000044393097_00031_45735_2231.N1	0	1
1	MIP_NL__0PNPDE20101129_024434_000061733097_00032_45736_2232.N1	0	1
2	MIP_NL__0PNPDE20101129_042651_000060723097_00033_45737_2233.N1	0	1
3	MIP_NL__0PNPDK20101129_060730_000040673097_00034_45738_3415.N1	0	1
4	MIP_NL__0PNPDK20101129_071419_000061713097_00035_45739_3416.N1	0	1
5	MIP_NL__0PNPDK20101129_085542_000059273097_00036_45740_3417.N1	0	1
6	MIP_NL__0PNPDK20101129_103333_000059563097_00037_45741_3418.N1	0	2
7	MIP_NL__0PNPDK20101129_121152_000060583097_00038_45742_3419.N1	0	2
8	MIP_NL__0PNPDK20101129_135154_000059583097_00039_45743_3420.N1	0	2
9	MIP_NL__0PNPDK20101129_153028_000058663097_00040_45744_3421.N1	0	2
10	MIP_NL__0PNPDK20101129_170638_000059433097_00041_45745_3422.N1	0	2
11	MIP_NL__0PNPDK20101129_184435_000060443097_00042_45746_3423.N1	0	2
12	MIP_NL__0PNPDE20101129_202357_000043183097_00043_45747_2234.N1	0	2
13	MIP_NL__0PNPDE20101129_213454_000062343097_00043_45747_2238.N1	0	2
14	MIP_NL__0PNPDE20101129_231739_000060083097_00044_45748_2237.N1	0	2

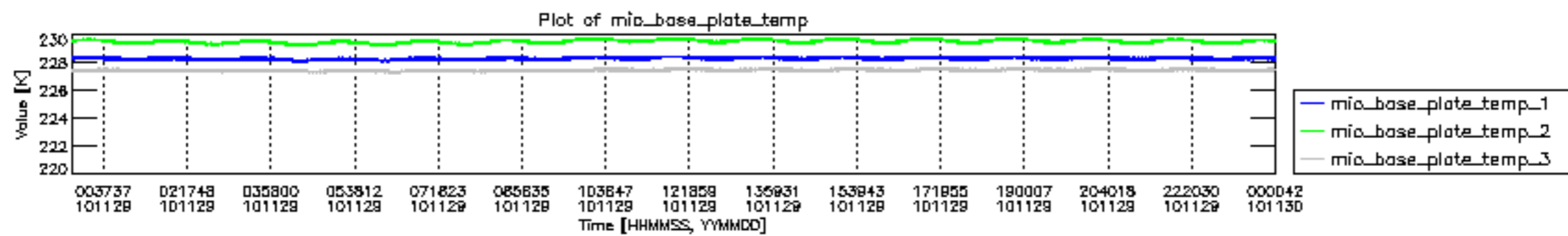


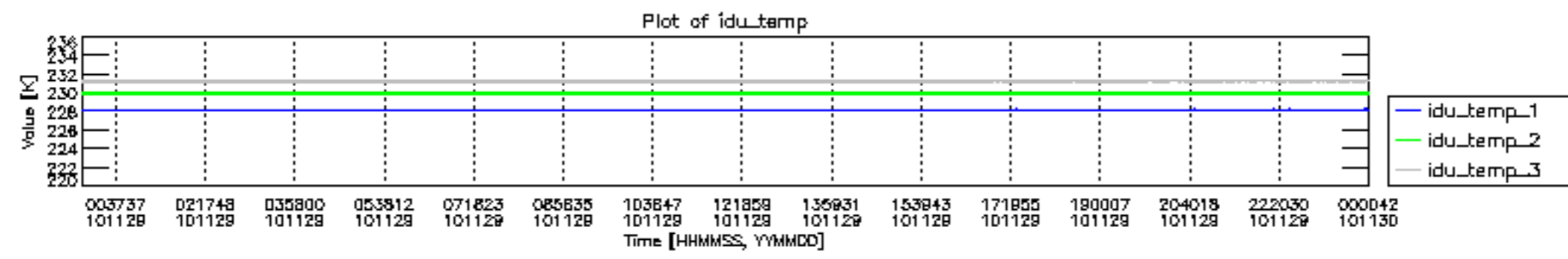
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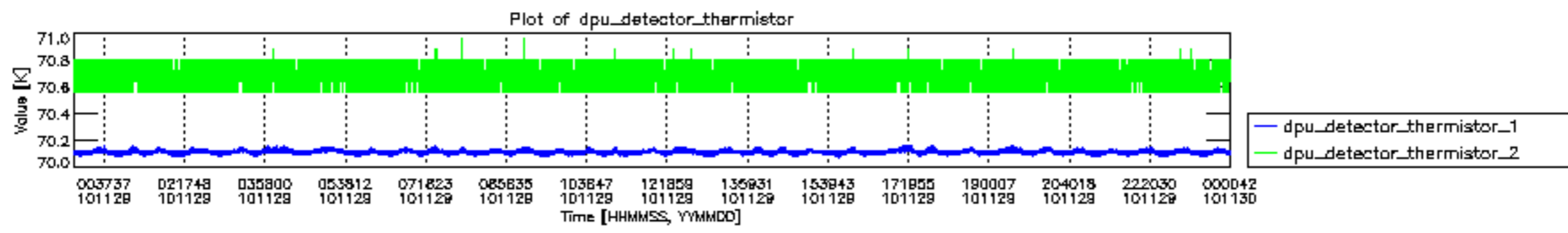


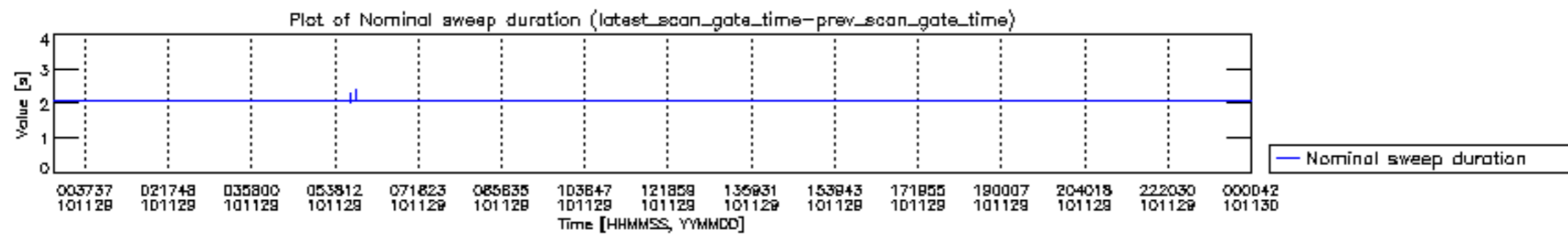
mipas_daily_report_level0_KSPT_L0_4504_N_20101129_13.PNG

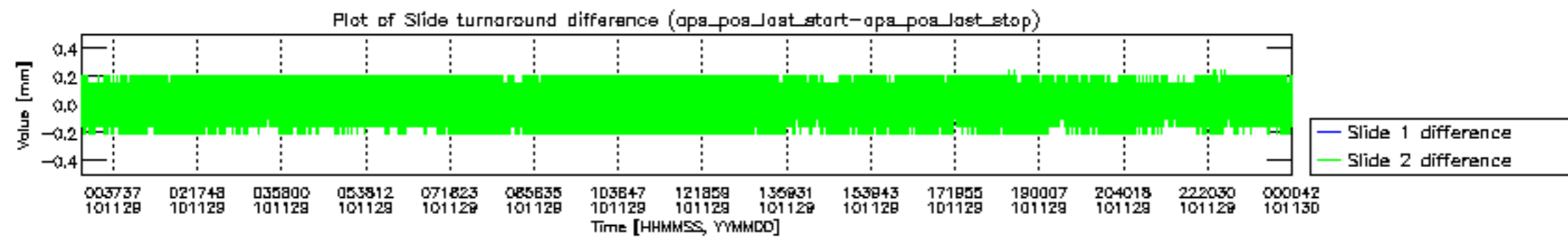


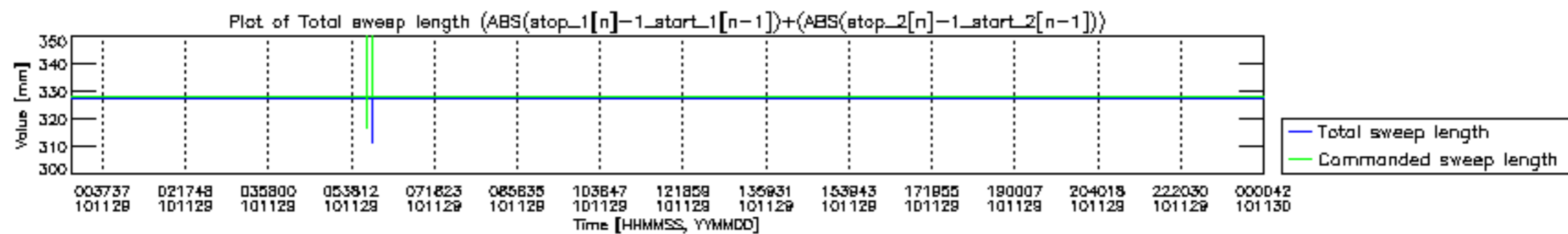


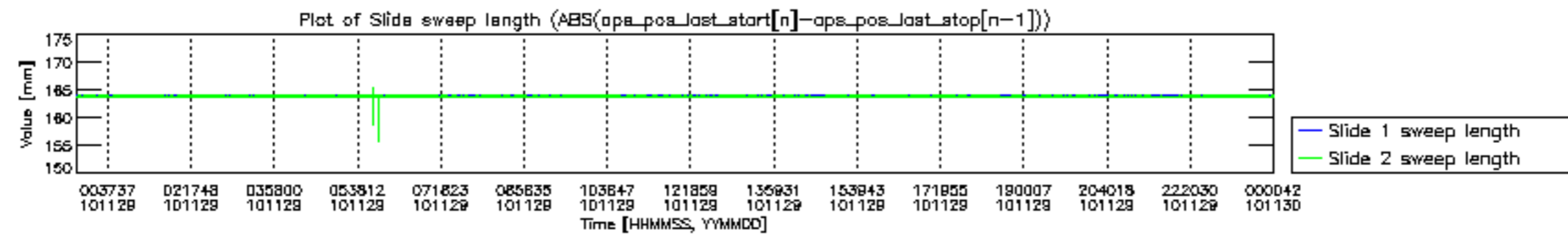


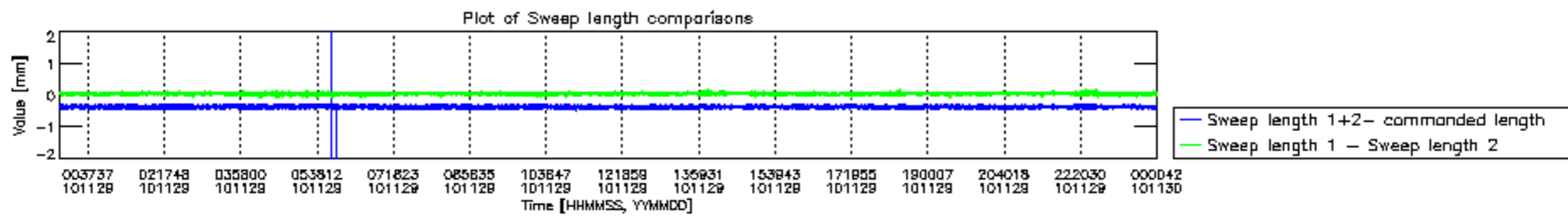


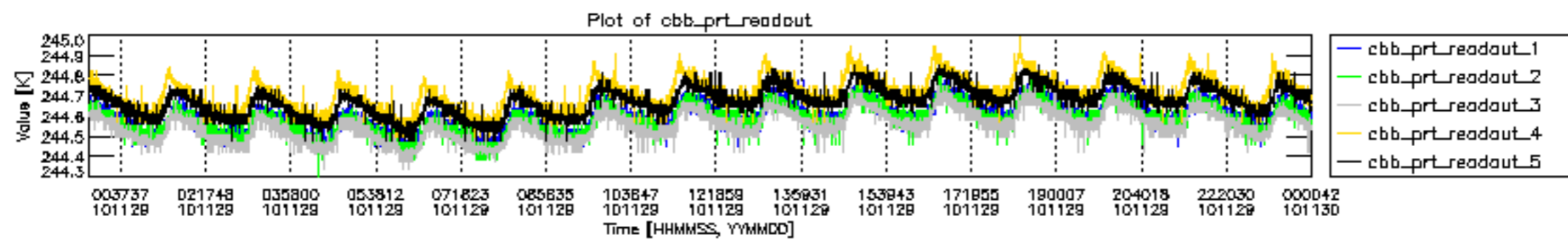


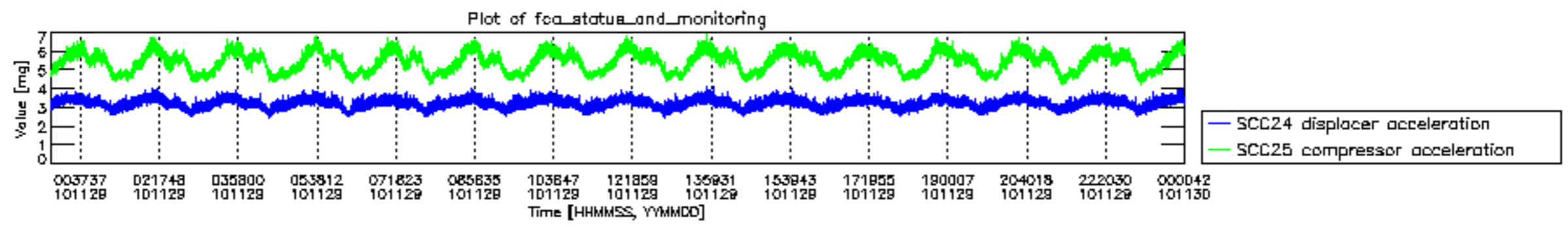












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

