

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	09DEC2010 05:20:11
Data source version	KSPT_L0/4504-N
Processing scope for products	04DEC2010 00:00:00 to 05DEC2010 00:00:00
Start time of first product within scope	04DEC2010 00:11:17
Stop time of last product within scope	05DEC2010 01:13:16
Total number of level 0 products	16
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__0PNPDE20101204_001117_000059233097_00102_45806_2260.N1	04DEC2010 00:11:17	04DEC2010 01:50:00	0	0	0	0	0
1	MIP_NL__0PNPDE20101204_014859_000044183097_00103_45807_2261.N1	04DEC2010 01:48:59	04DEC2010 03:02:38	0	0	0	0	0
2	MIP_NL__0PNPDE20101204_030202_000061713097_00104_45808_2262.N1	04DEC2010 03:02:02	04DEC2010 04:44:53	0	0	0	0	0
3	MIP_NL__0PNPDE20101204_044420_000060333097_00105_45809_2263.N1	04DEC2010 04:44:20	04DEC2010 06:24:53	0	0	0	0	0
4	MIP_NL__0PNPDK20101204_062420_000040173097_00106_45810_3458.N1	04DEC2010 06:24:20	04DEC2010 07:31:17	0	0	0	0	0
5	MIP_NL__0PNPDK20101204_073019_000061043097_00107_45811_3459.N1	04DEC2010 07:30:19	04DEC2010 09:12:03	0	0	0	0	0
6	MIP_NL__0PNPDK20101204_091025_000060643097_00108_45812_3460.N1	04DEC2010 09:10:25	04DEC2010 10:51:29	0	0	0	0	0
7	MIP_NL__0PNPDK20101204_104953_000059643097_00109_45813_3461.N1	04DEC2010 10:49:53	04DEC2010 12:29:17	0	0	0	0	0
8	MIP_NL__0PNPDK20101204_122745_000061253097_00110_45814_3462.N1	04DEC2010 12:27:45	04DEC2010 14:09:50	0	0	0	0	0
9	MIP_NL__0PNPDK20101204_140854_000059333097_00111_45815_3463.N1	04DEC2010 14:08:54	04DEC2010 15:47:47	0	0	0	0	0
10	MIP_NL__0PNPDK20101204_154703_000057223097_00112_45816_3464.N1	04DEC2010 15:47:03	04DEC2010 17:22:25	0	0	0	0	0
11	MIP_NL__0PNPDK20101204_172118_000059543097_00113_45817_3465.N1	04DEC2010 17:21:18	04DEC2010 19:00:32	0	0	0	0	0
12	MIP_NL__0PNPDK20101204_185904_000062593097_00114_45818_3466.N1	04DEC2010 18:59:04	04DEC2010 20:43:23	0	0	0	0	0
13	MIP_NL__0PNPDE20101204_204124_000043953097_00115_45819_2264.N1	04DEC2010 20:41:24	04DEC2010 21:54:40	0	0	0	0	0
14	MIP_NL__0PNPDE20101204_215333_000060373097_00115_45819_2265.N1	04DEC2010 21:53:33	04DEC2010 23:34:10	0	0	0	0	0
15	MIP_NL__0PNPDE20101204_233307_000060083097_00116_45820_2266.N1	04DEC2010 23:33:07	05DEC2010 01:13:16	0	0	0	0	0

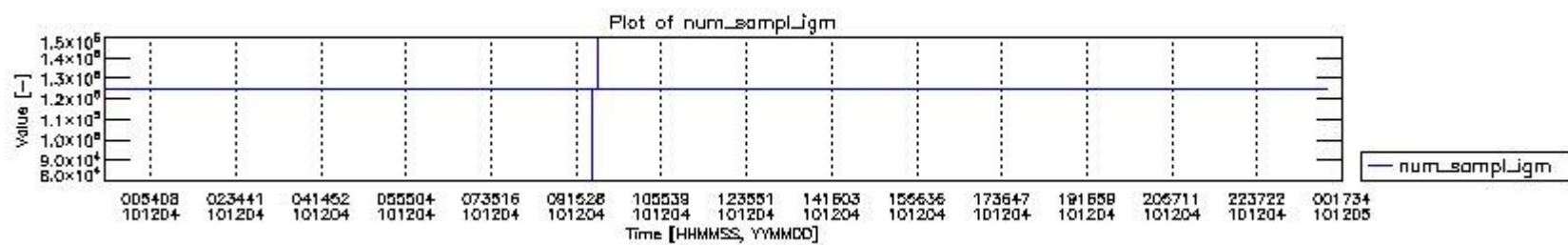
0.2 Instrument Operational Performance Parameters

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.

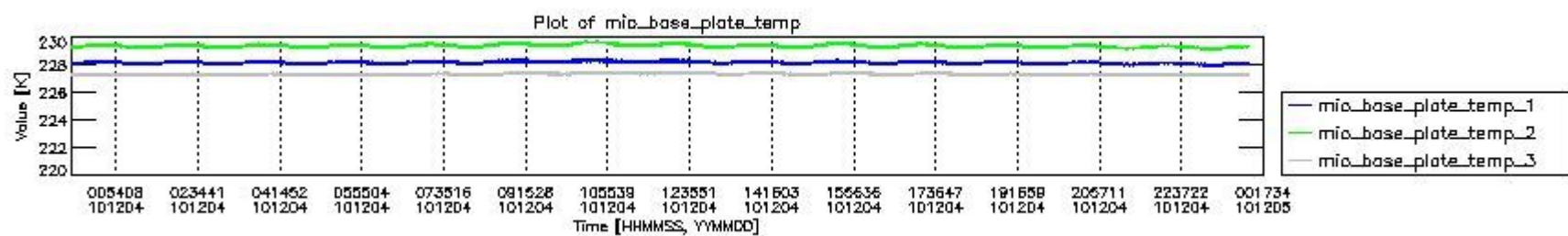
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
80958	1	0.0024029797
92813	1	0.0024029797

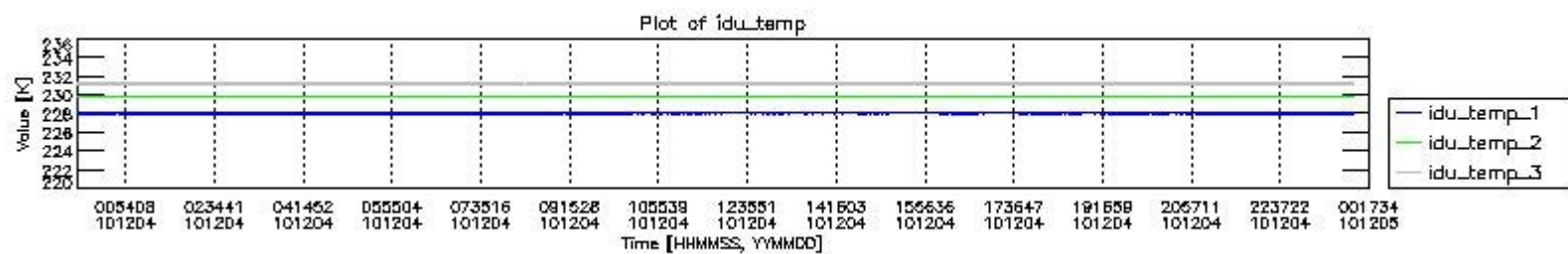
112945	1	0.0024029797
124800	38658	92.894389
124803	2951	7.0911931
127085	1	0.0024029797
147217	1	0.0024029797
149502	1	0.0024029797



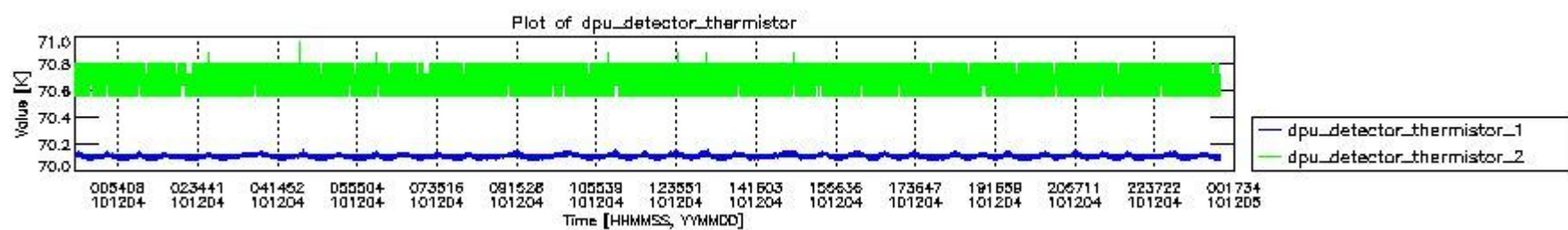
mipas_daily_report_level0_KSPT_L0_4504_N_20101204_0.PNG



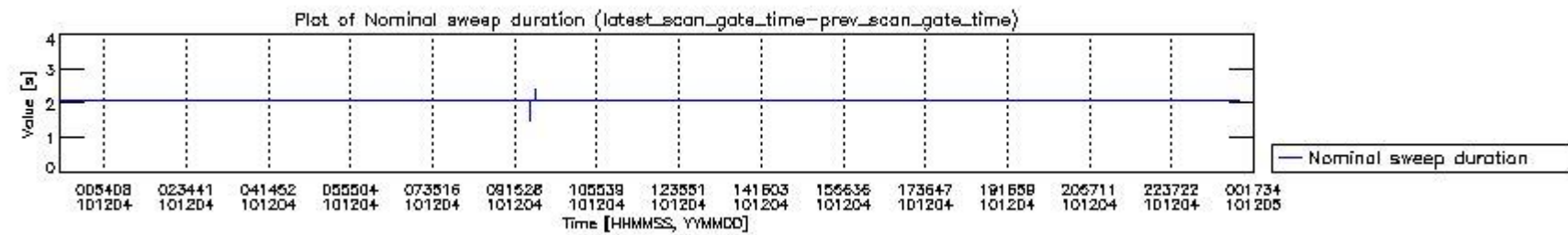
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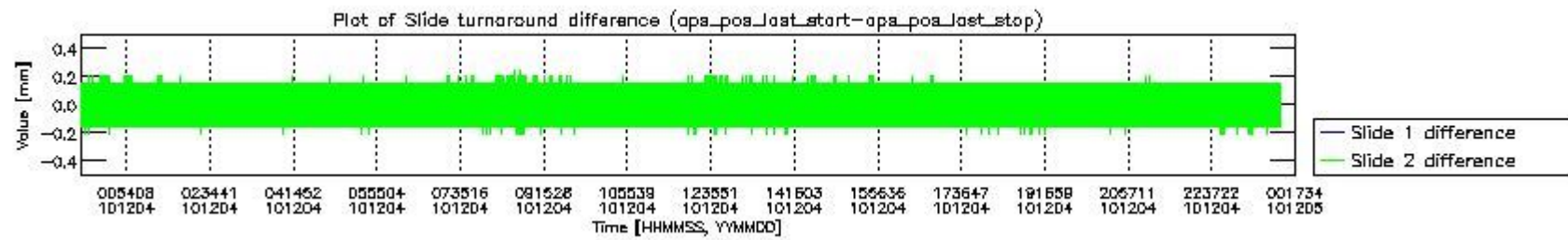
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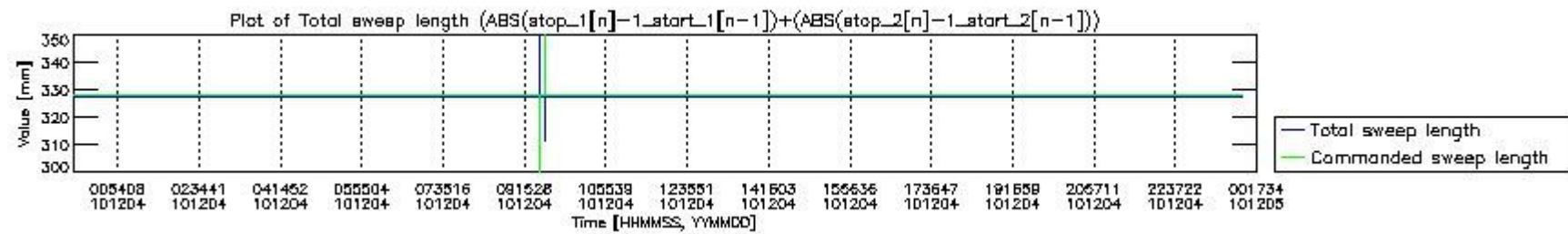
mipas_daily_report_level0_KSPT_L0_4504_N_20101204_3.PNG



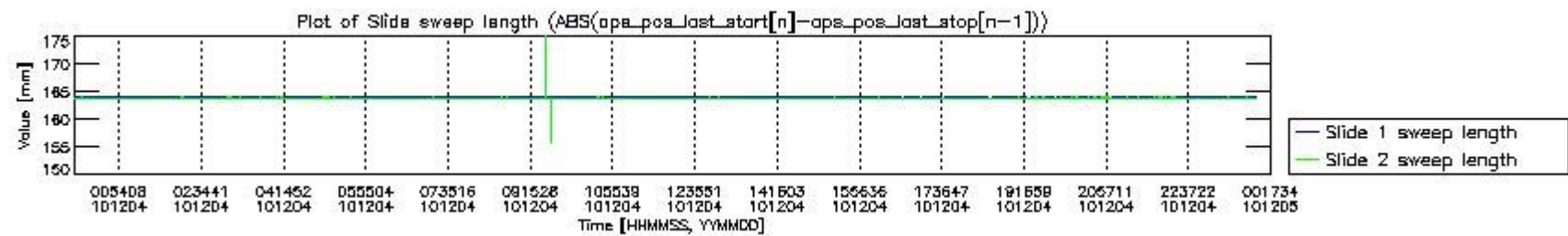
mipas_daily_report_level0_KSPT_L0_4504_N_20101204_4.PNG



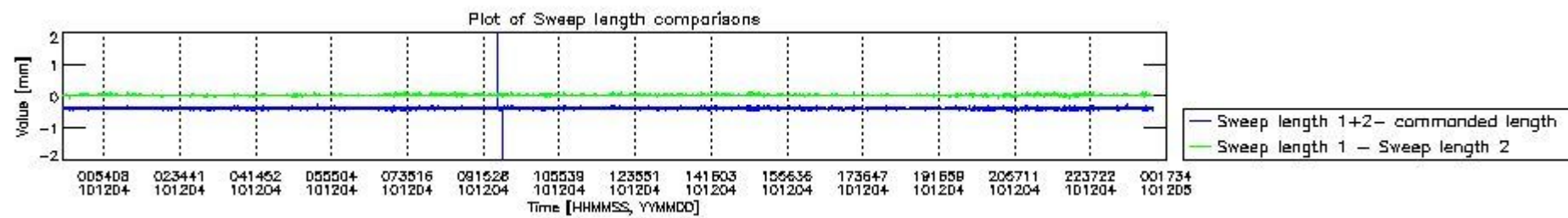
mipas_daily_report_level0_KSPT_L0_4504_N_20101204_5.PNG



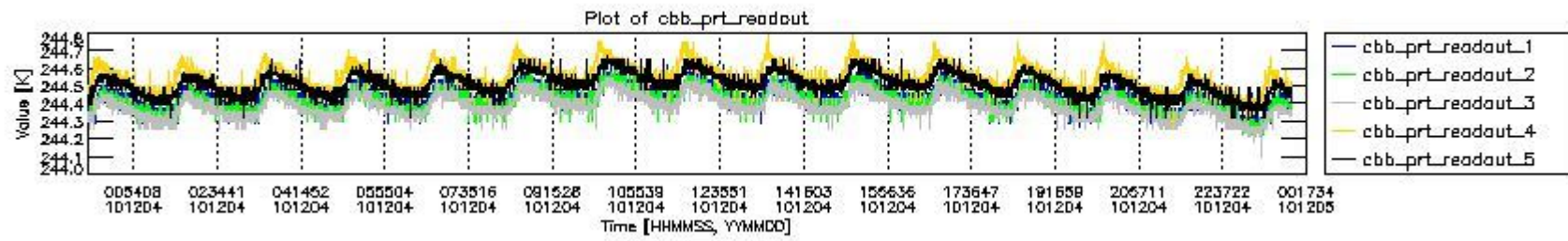
mipas_daily_report_level0_KSPT_L0_4504_N_20101204_6.PNG



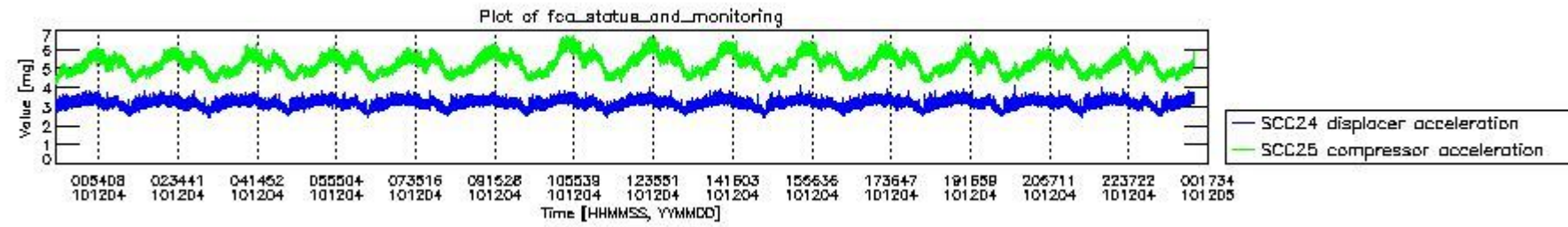
mipas_daily_report_level0_KSPT_L0_4504_N_20101204_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101204_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101204_9.PNG

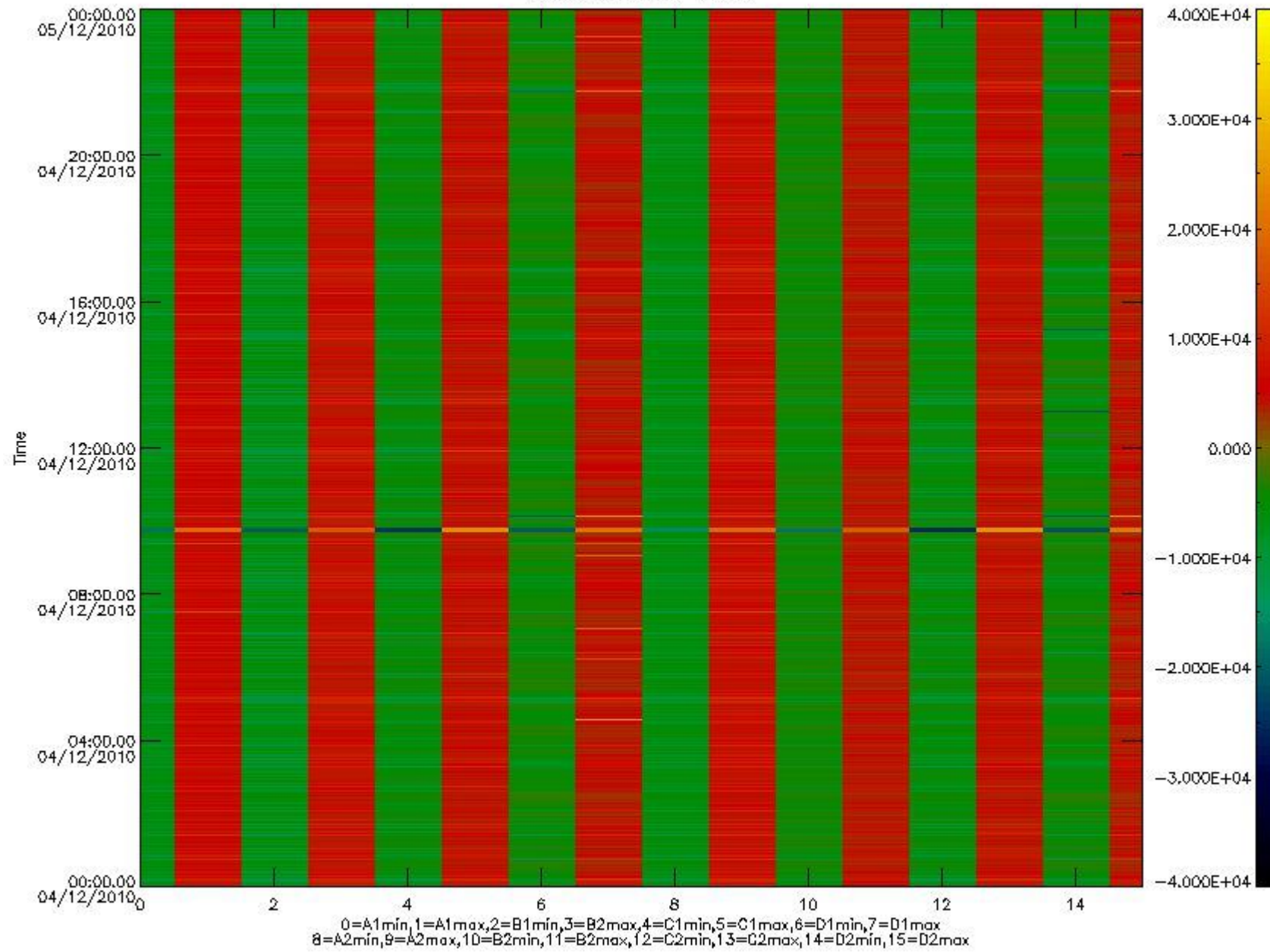


mipas_daily_report_level0_KSPT_L0_4504_N_20101204_10.PNG

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

Channel	Min	Max	ADC
A1	-18480	19670	16bit
B1	-20486	17628	16bit
C1	-24818	24738	16bit
D1	-32768	32767	16bit
A2	-15962	19784	16bit
B2	-18599	18194	16bit
C2	-25841	25471	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_20101204_11.PNG

0.3 ADF monitoring

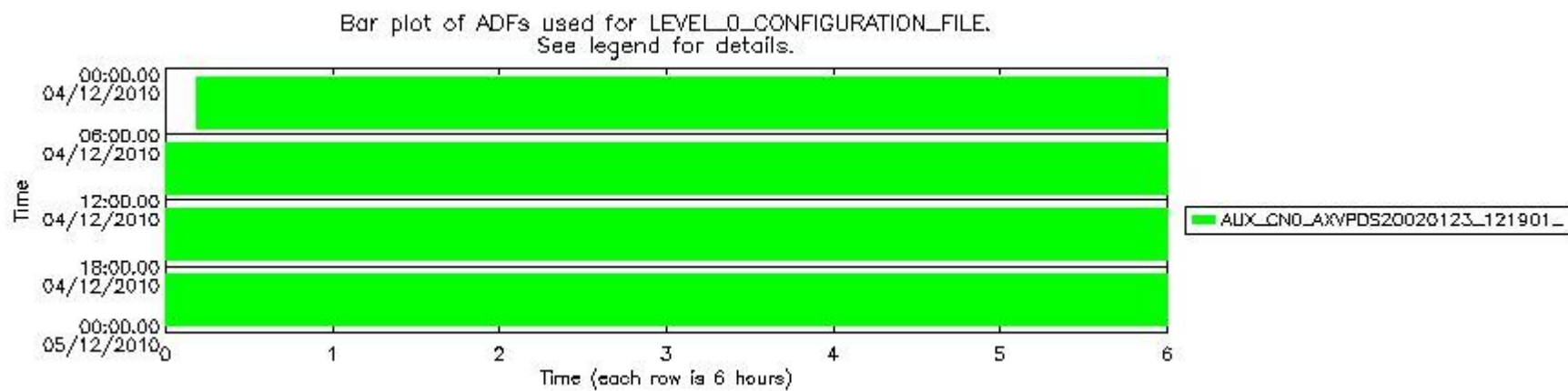
The use of ADFs is shown in two ways:

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.

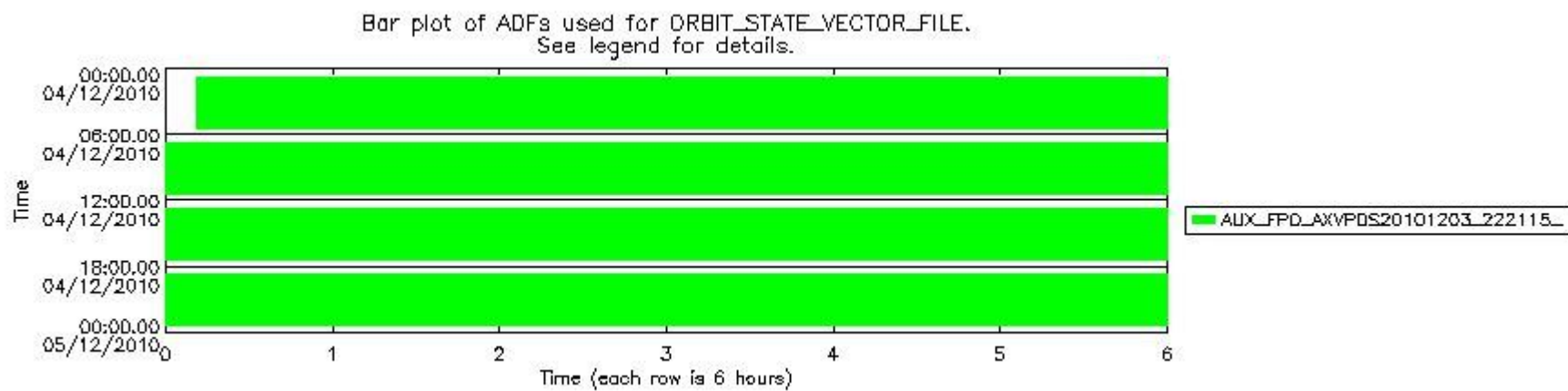
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101203_222115_20101203_192138_20101213_213532

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20101204_001117_000059233097_00102_45806_2260.N1	0	1

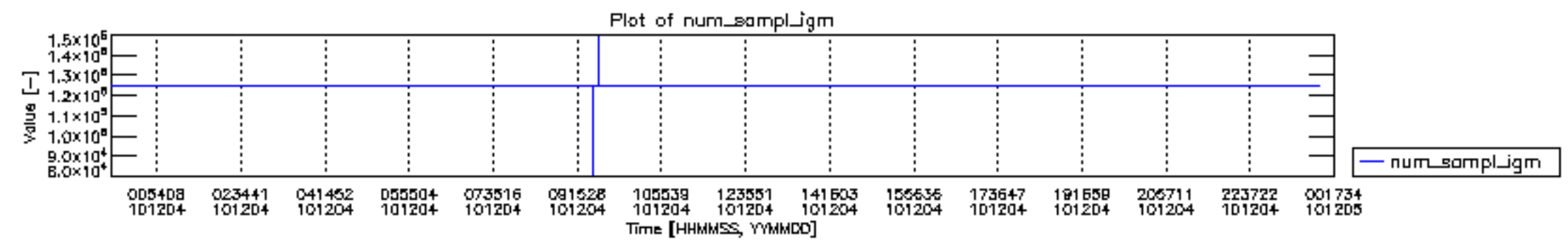
1	MIP_NL__0PNPDE20101204_014859_000044183097_00103_45807_2261.N1	0	1
2	MIP_NL__0PNPDE20101204_030202_000061713097_00104_45808_2262.N1	0	1
3	MIP_NL__0PNPDE20101204_044420_000060333097_00105_45809_2263.N1	0	1
4	MIP_NL__0PNPDK20101204_062420_000040173097_00106_45810_3458.N1	0	1
5	MIP_NL__0PNPDK20101204_073019_000061043097_00107_45811_3459.N1	0	1
6	MIP_NL__0PNPDK20101204_091025_000060643097_00108_45812_3460.N1	0	1
7	MIP_NL__0PNPDK20101204_104953_000059643097_00109_45813_3461.N1	0	1
8	MIP_NL__0PNPDK20101204_122745_000061253097_00110_45814_3462.N1	0	1
9	MIP_NL__0PNPDK20101204_140854_000059333097_00111_45815_3463.N1	0	1
10	MIP_NL__0PNPDK20101204_154703_000057223097_00112_45816_3464.N1	0	1
11	MIP_NL__0PNPDK20101204_172118_000059543097_00113_45817_3465.N1	0	1
12	MIP_NL__0PNPDK20101204_185904_000062593097_00114_45818_3466.N1	0	1
13	MIP_NL__0PNPDE20101204_204124_000043953097_00115_45819_2264.N1	0	1
14	MIP_NL__0PNPDE20101204_215333_000060373097_00115_45819_2265.N1	0	1
15	MIP_NL__0PNPDE20101204_233307_000060083097_00116_45820_2266.N1	0	1

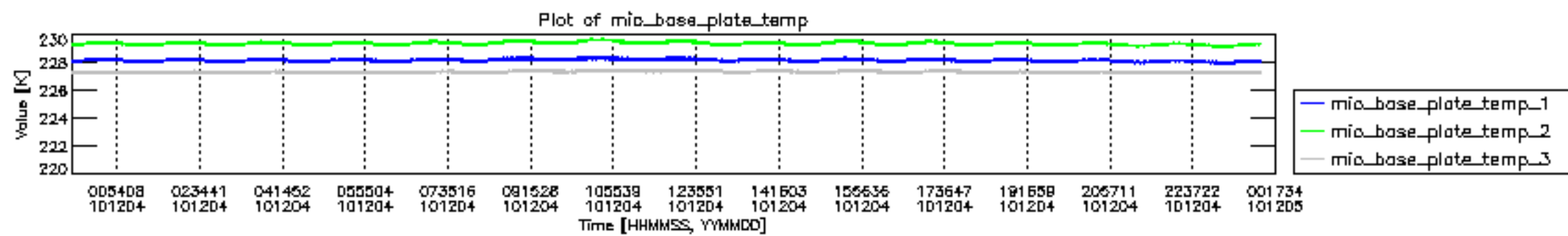


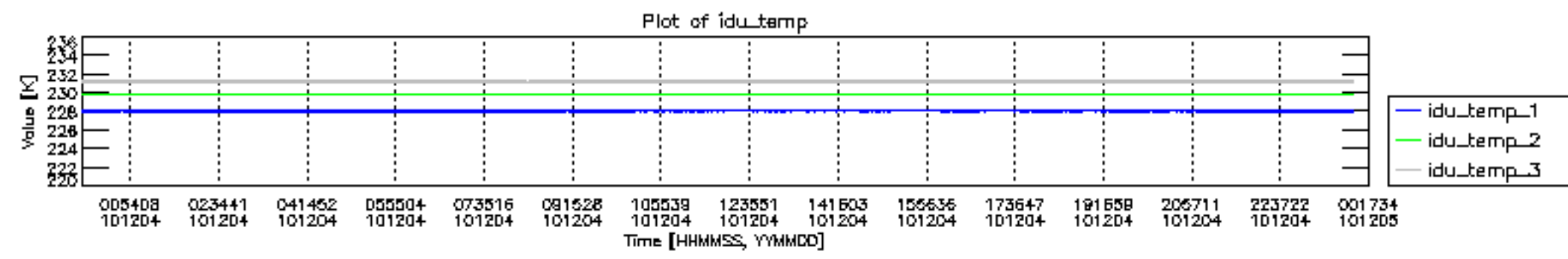
mipas_daily_report_level0_KSPT_L0_4504_N_20101204_12.PNG

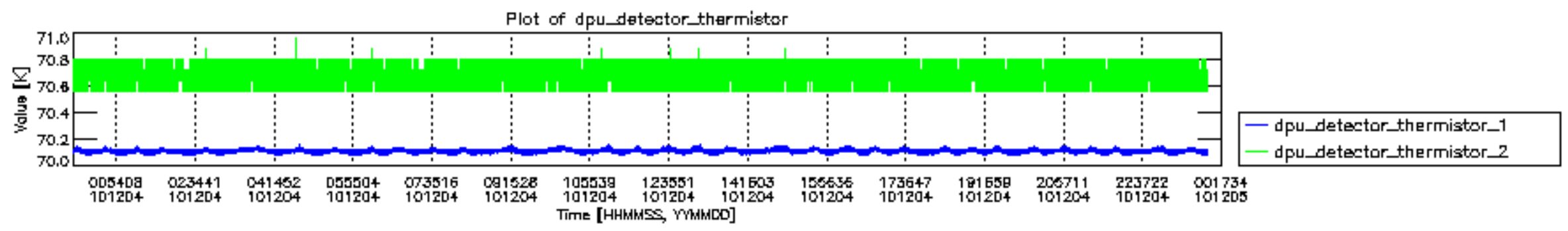


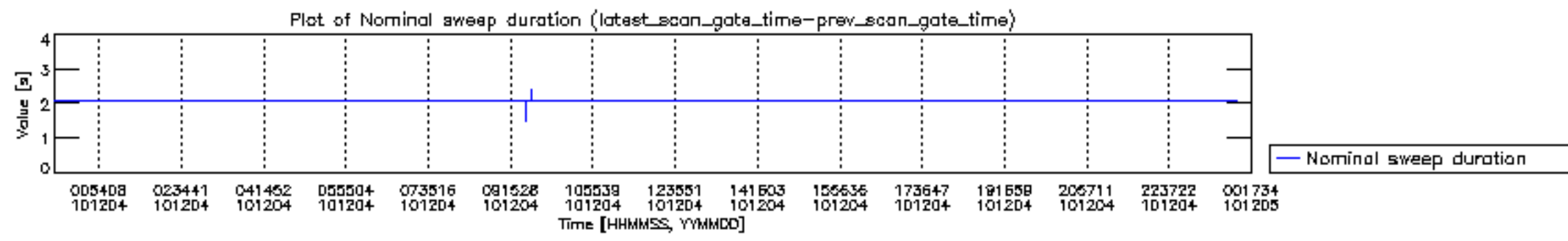
mipas_daily_report_level0_KSPT_L0_4504_N_20101204_13.PNG

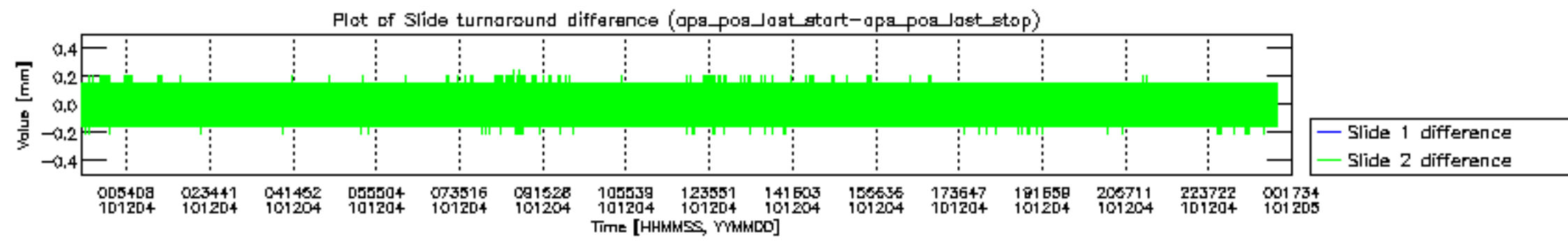


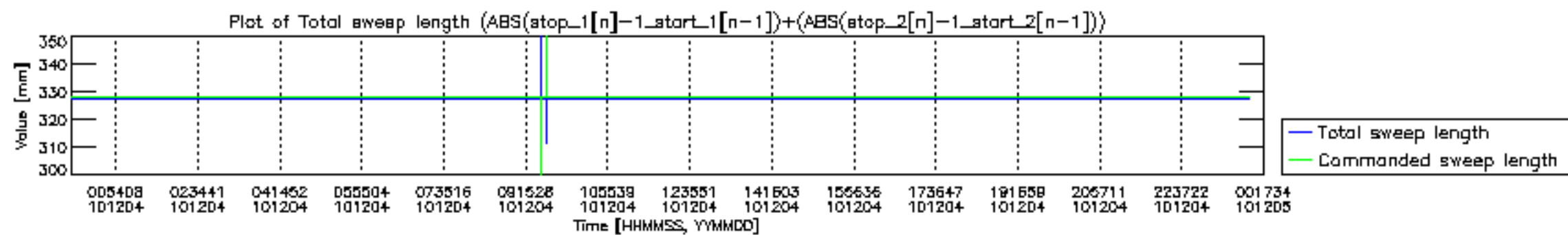


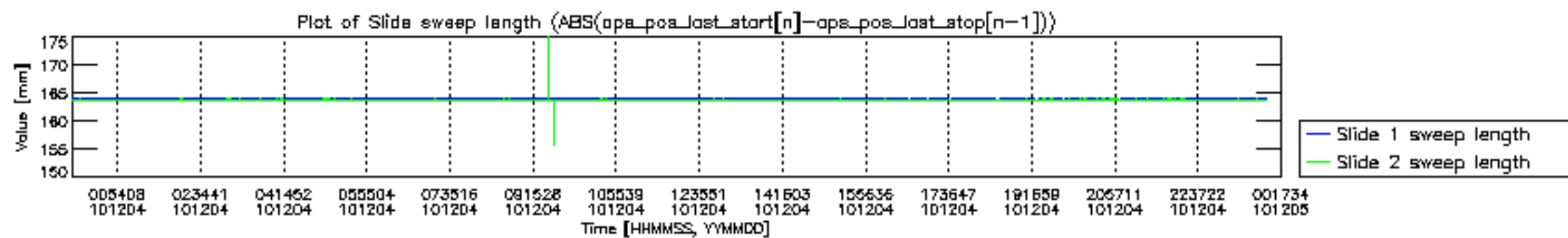


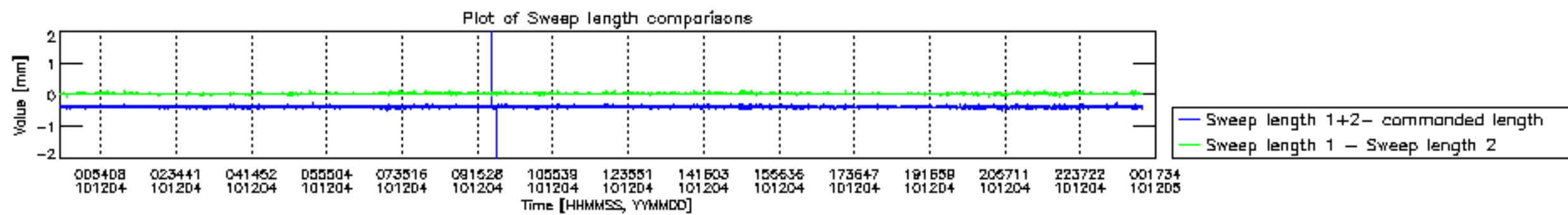


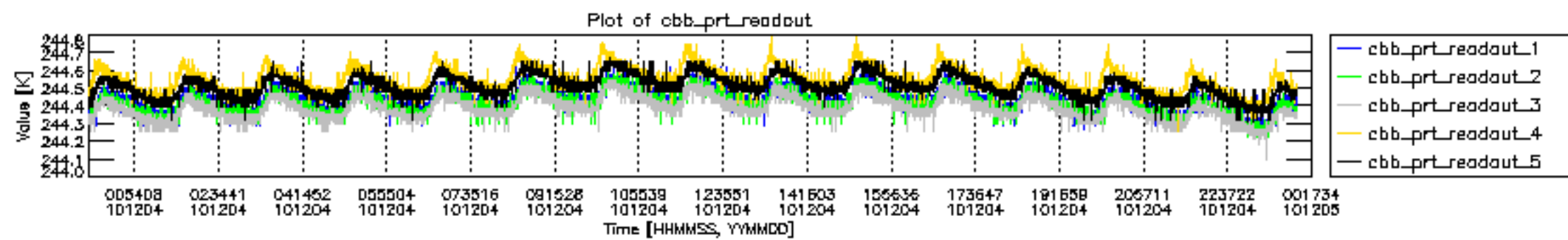


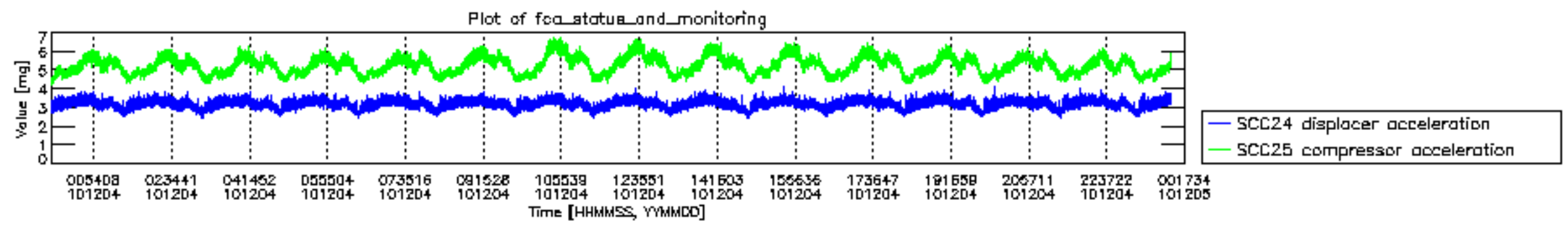












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

