

## 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	08DEC2010 05:22:28
Data source version	KSPT_L0/4504-N
Processing scope for products	03DEC2010 00:00:00 to 04DEC2010 00:00:00
Start time of first product within scope	03DEC2010 00:46:46
Stop time of last product within scope	04DEC2010 00:12:26
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__OPNPDE20101203_004646_000058893097_00088_45792_2253.N1	03DEC2010 00:46:46	03DEC2010 02:24:55	0	0	0	0	0
1	MIP_NL__OPNPDE20101203_022348_000045043097_00089_45793_2254.N1	03DEC2010 02:23:48	03DEC2010 03:38:52	0	0	0	0	0
2	MIP_NL__OPNPDE20101203_033817_000062073097_00090_45794_2255.N1	03DEC2010 03:38:17	03DEC2010 05:21:43	0	0	0	0	0
3	MIP_NL__OPNPDE20101203_052110_000059943097_00091_45795_2256.N1	03DEC2010 05:21:10	03DEC2010 07:01:03	0	0	0	0	0
4	MIP_NL__OPNPDK20101203_070030_000040863097_00092_45796_3450.N1	03DEC2010 07:00:30	03DEC2010 08:08:36	0	0	0	0	0
5	MIP_NL__OPNPDK20101203_080738_000060443097_00093_45797_3451.N1	03DEC2010 08:07:38	03DEC2010 09:48:21	0	0	0	0	0
6	MIP_NL__OPNPDK20101203_094704_000060123097_00094_45798_3452.N1	03DEC2010 09:47:04	03DEC2010 11:27:17	0	0	0	0	0
7	MIP_NL__OPNPDK20101203_112545_000061253097_00095_45799_3453.N1	03DEC2010 11:25:45	03DEC2010 13:07:50	0	0	0	0	0
8	MIP_NL__OPNPDK20101203_130654_000058683097_00096_45800_3454.N1	03DEC2010 13:06:54	03DEC2010 14:44:42	0	0	0	0	0
9	MIP_NL__OPNPDK20101203_144406_000059313097_00097_45801_3455.N1	03DEC2010 14:44:06	03DEC2010 16:22:57	0	0	0	0	0
10	MIP_NL__OPNPDK20101203_162121_000059313097_00098_45802_3456.N1	03DEC2010 16:21:21	03DEC2010 18:00:12	0	0	0	0	0
11	MIP_NL__OPNPDK20101203_175911_000060043097_00099_45803_3457.N1	03DEC2010 17:59:11	03DEC2010 19:39:15	0	0	0	0	0
12	MIP_NL__OPNPDE20101203_193708_000040883097_00100_45804_2257.N1	03DEC2010 19:37:08	03DEC2010 20:45:16	0	0	0	0	0
13	MIP_NL__OPNPDE20101203_204412_000064073097_00100_45804_2258.N1	03DEC2010 20:44:12	03DEC2010 22:30:59	0	0	0	0	0
14	MIP_NL__OPNPDE20101203_222956_000061503097_00101_45805_2259.N1	03DEC2010 22:29:56	04DEC2010 00:12:26	0	0	0	0	0

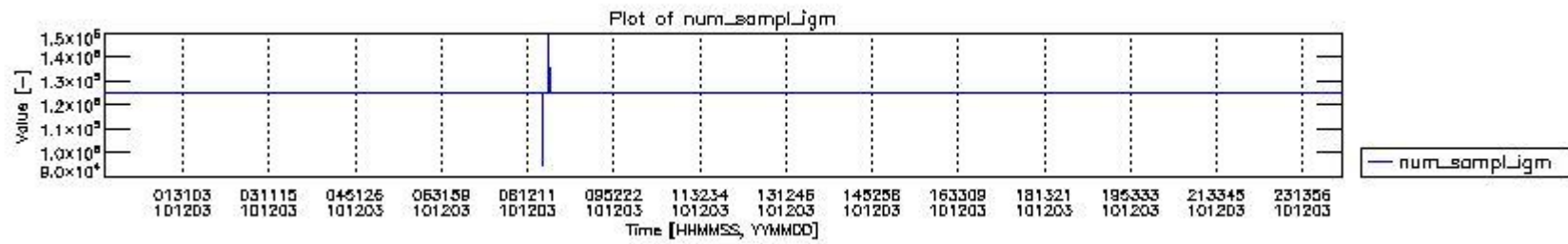
## 0.2 Instrument Operational Performance Parameters

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.

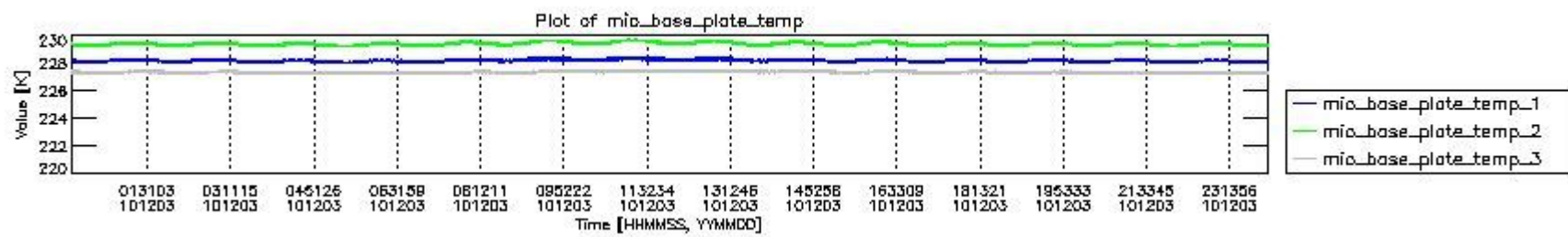
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
94488	1	0.0023979665
99578	1	0.0023979665
119710	1	0.0023979665

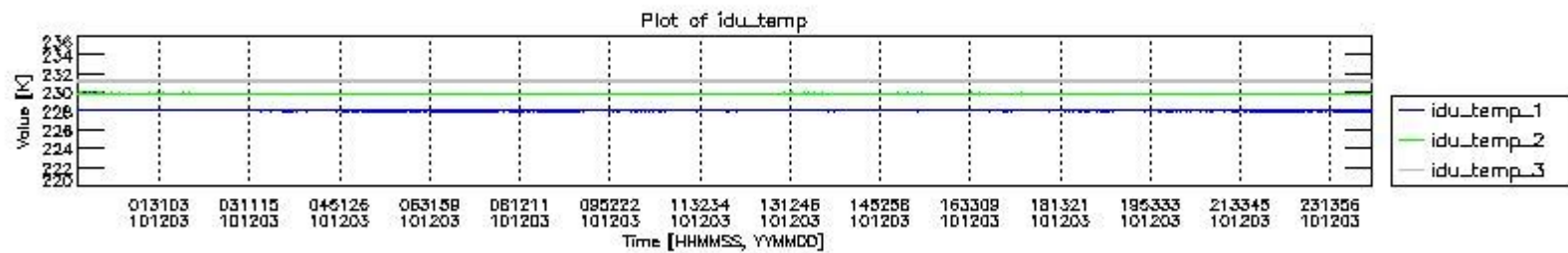
124800	38734	92.882835
124803	2962	7.1027768
126936	1	0.0023979665
147068	1	0.0023979665
149204	1	0.0023979665



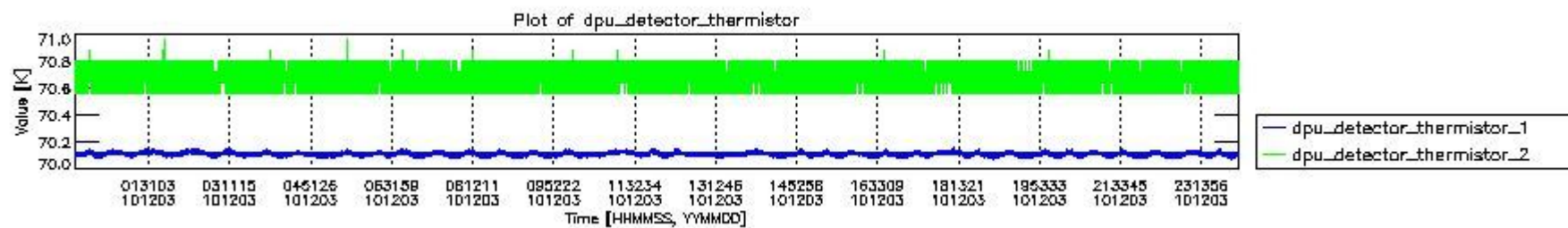
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101203\_0.PNG



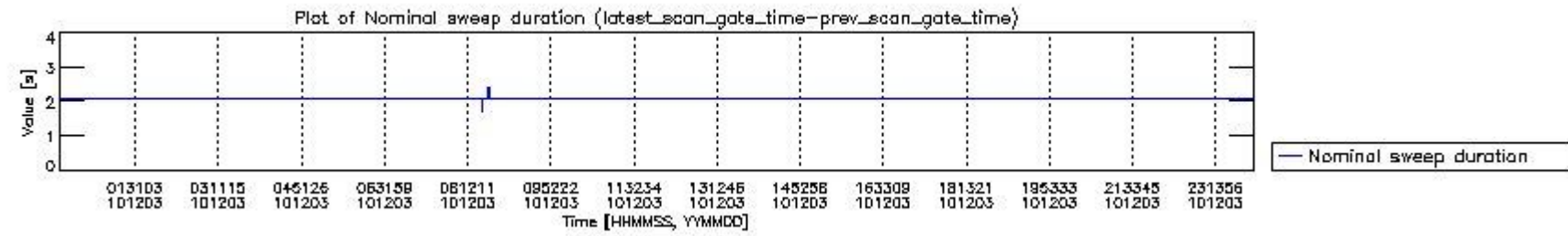
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101203\_1.PNG



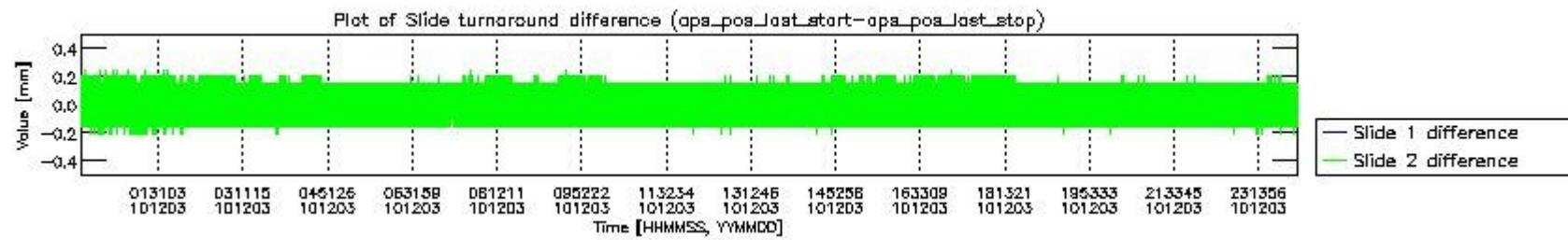
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101203\_2.PNG



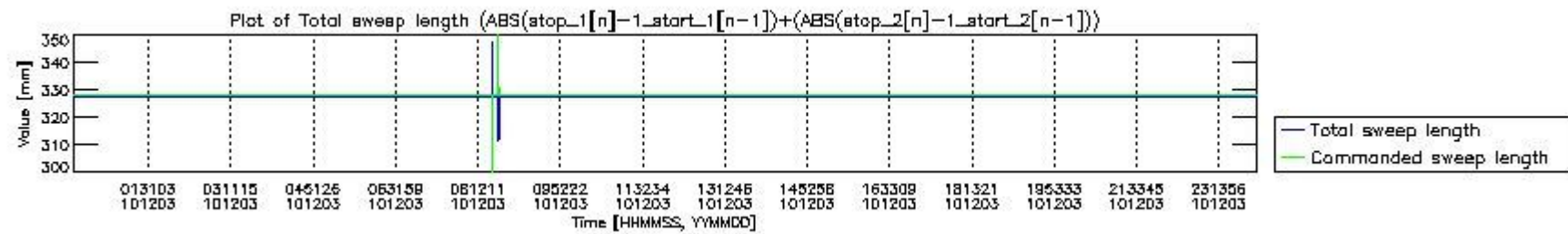
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101203\_3.PNG



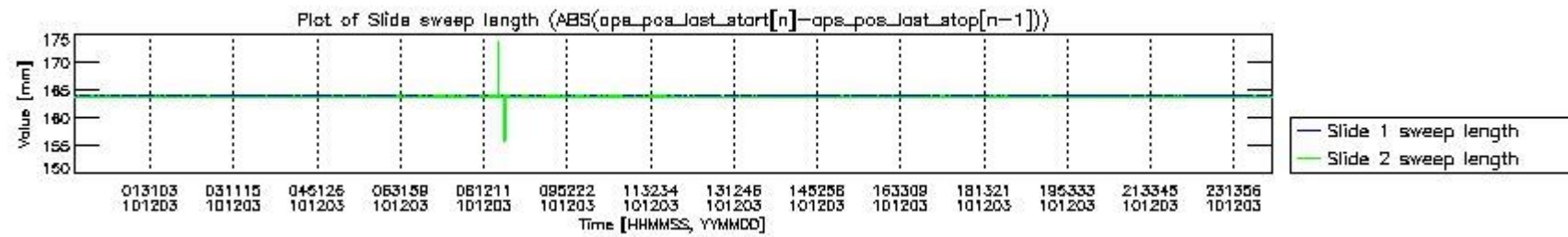
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101203\_4.PNG



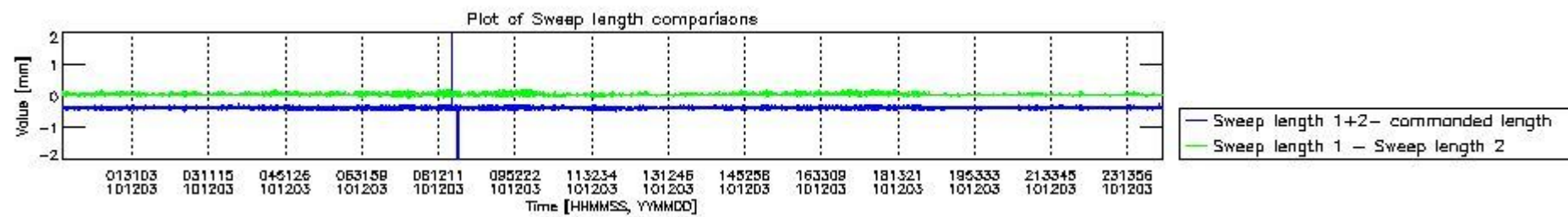
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101203\_5.PNG



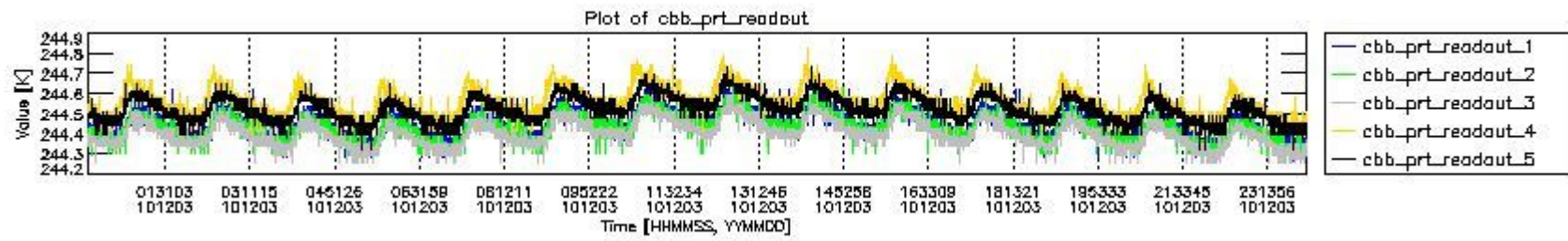
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101203\_6.PNG



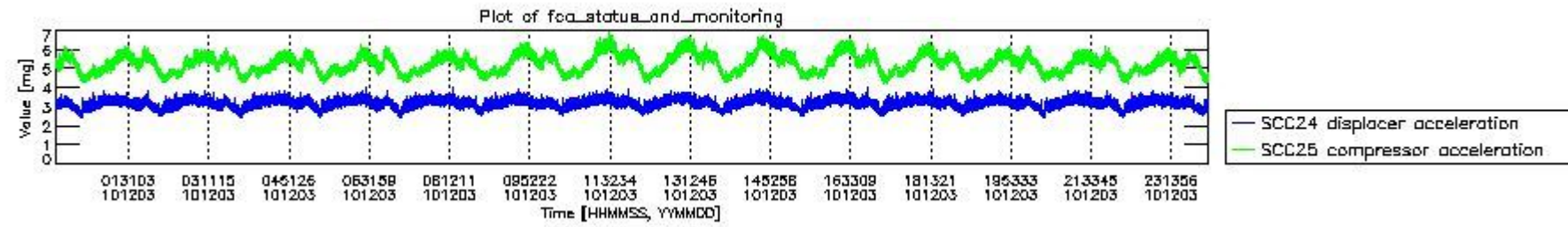
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101203\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101203\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101203\_9.PNG



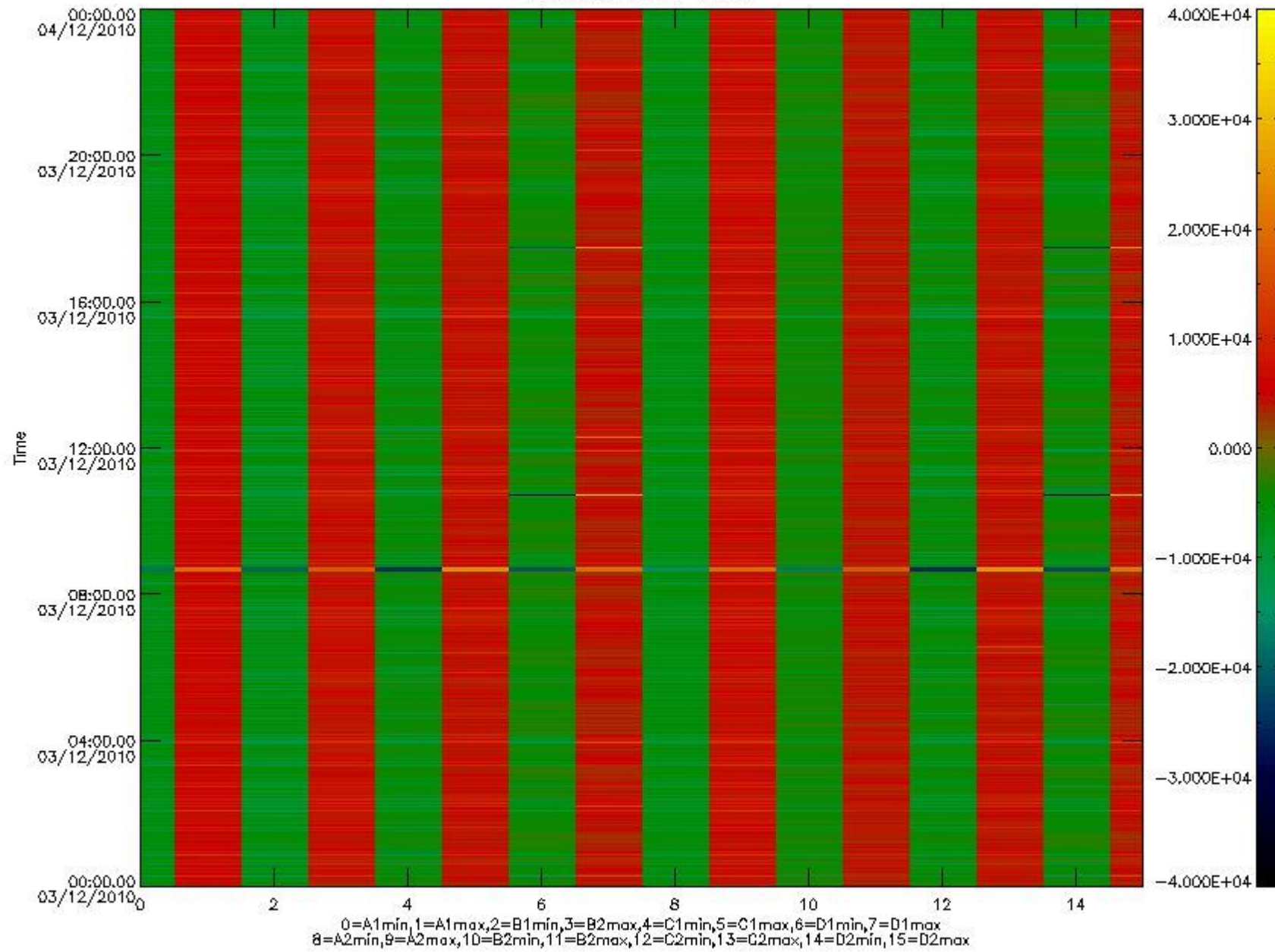
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101203\_10.PNG

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

Channel	Min	Max	ADC
A1	-18482	19670	16bit
B1	-20484	17638	16bit
C1	-24858	24787	16bit
D1	-32768	32767	16bit
A2	-15971	19792	16bit
B2	-18609	18203	16bit
C2	-25851	25591	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\_20101203\_11.PNG

### 0.3 ADF monitoring

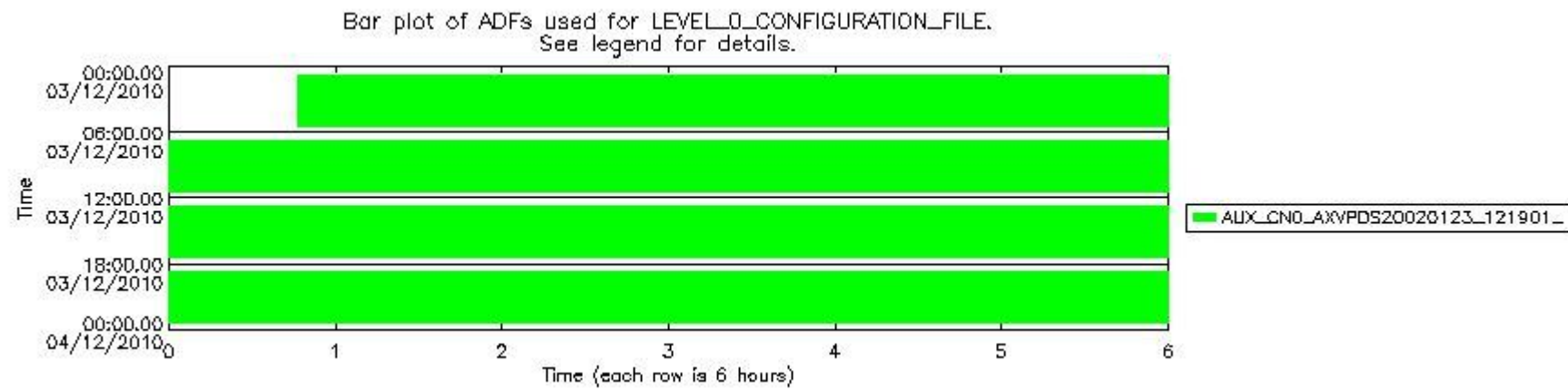
The use of ADFs is shown in two ways:

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.

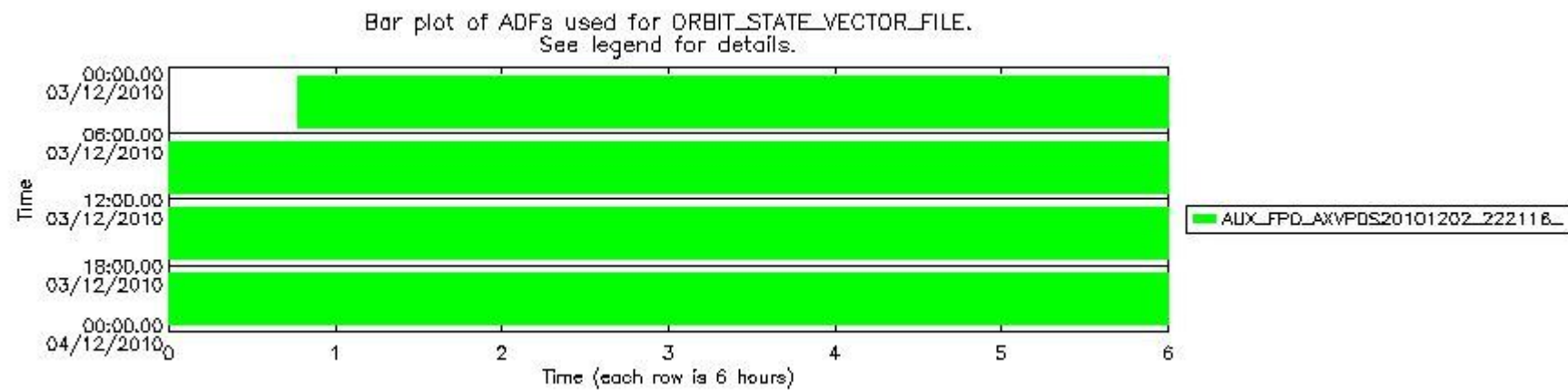
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101202_222116_20101202_195822_20101212_203202

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20101203_004646_000058893097_00088_45792_2253.N1	0	1

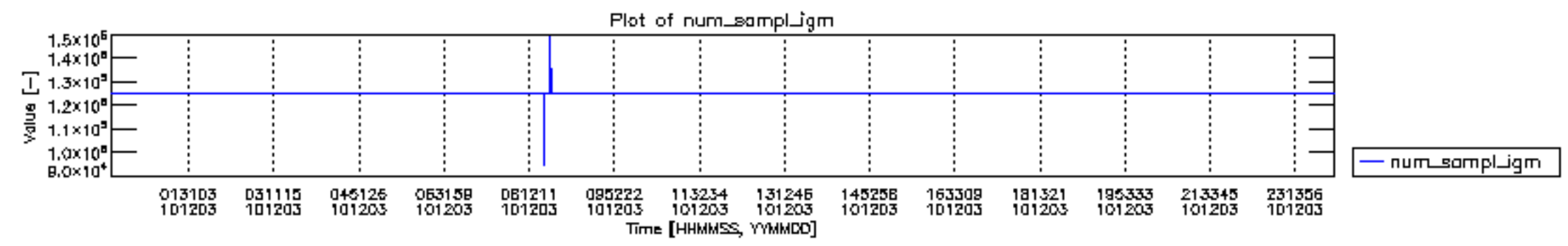
1	MIP_NL__0PNPDE20101203_022348_000045043097_00089_45793_2254.N1	0	1
2	MIP_NL__0PNPDE20101203_033817_000062073097_00090_45794_2255.N1	0	1
3	MIP_NL__0PNPDE20101203_052110_000059943097_00091_45795_2256.N1	0	1
4	MIP_NL__0PNPDK20101203_070030_000040863097_00092_45796_3450.N1	0	1
5	MIP_NL__0PNPDK20101203_080738_000060443097_00093_45797_3451.N1	0	1
6	MIP_NL__0PNPDK20101203_094704_000060123097_00094_45798_3452.N1	0	1
7	MIP_NL__0PNPDK20101203_112545_000061253097_00095_45799_3453.N1	0	1
8	MIP_NL__0PNPDK20101203_130654_000058683097_00096_45800_3454.N1	0	1
9	MIP_NL__0PNPDK20101203_144406_000059313097_00097_45801_3455.N1	0	1
10	MIP_NL__0PNPDK20101203_162121_000059313097_00098_45802_3456.N1	0	1
11	MIP_NL__0PNPDK20101203_175911_000060043097_00099_45803_3457.N1	0	1
12	MIP_NL__0PNPDE20101203_193708_000040883097_00100_45804_2257.N1	0	1
13	MIP_NL__0PNPDE20101203_204412_000064073097_00100_45804_2258.N1	0	1
14	MIP_NL__0PNPDE20101203_222956_000061503097_00101_45805_2259.N1	0	1

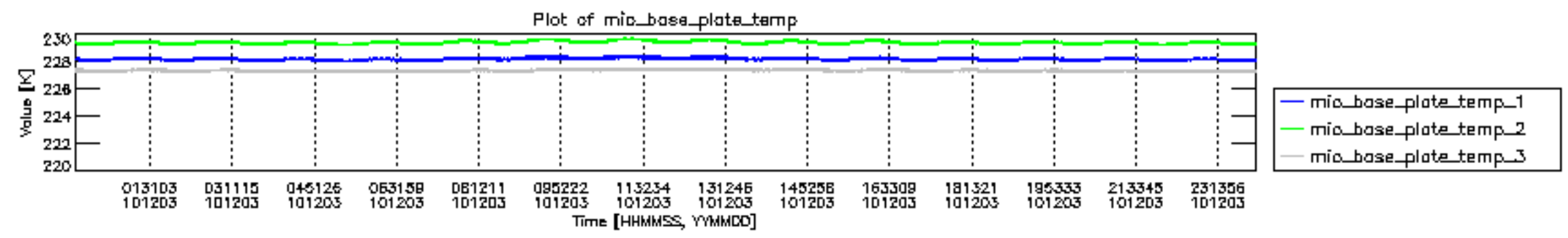


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101203\_12.PNG

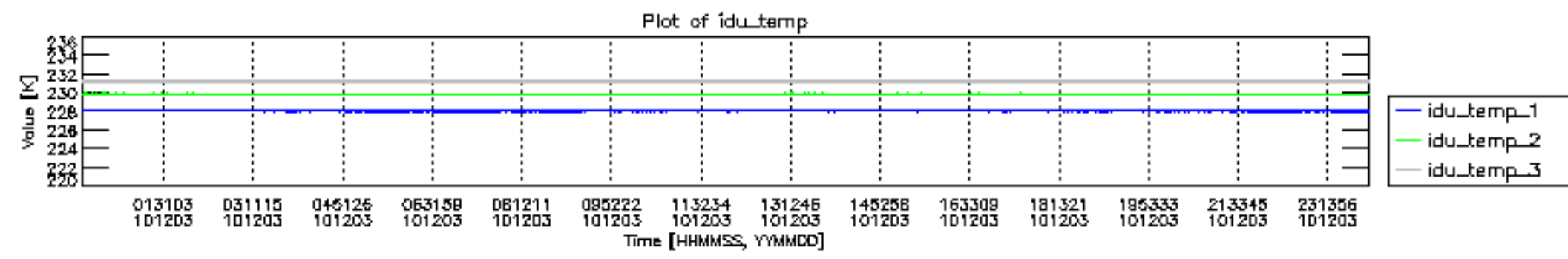


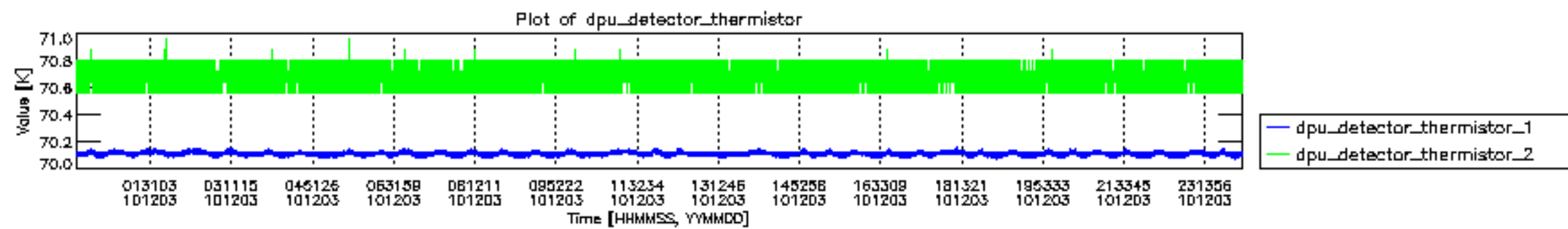
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101203\_13.PNG

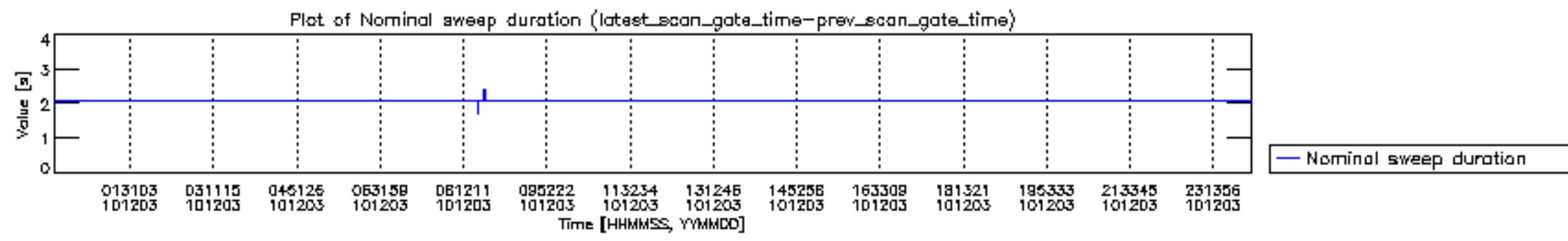


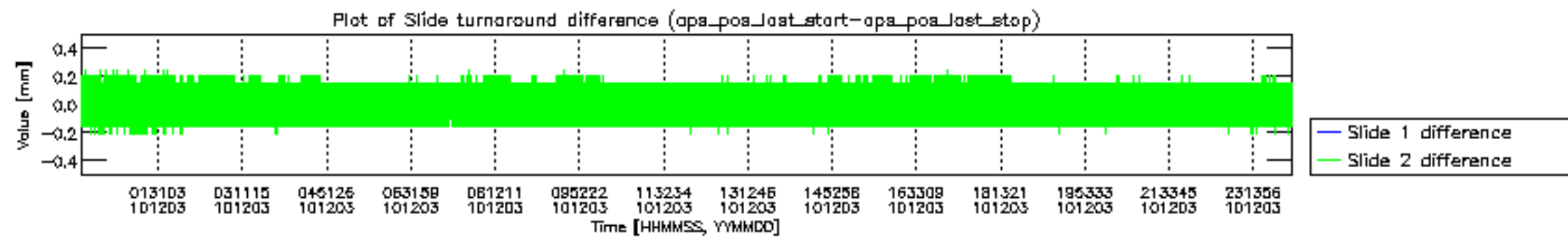


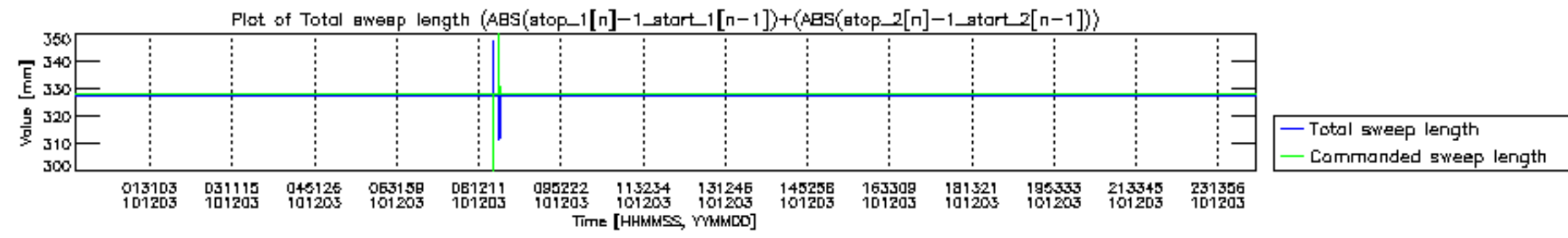




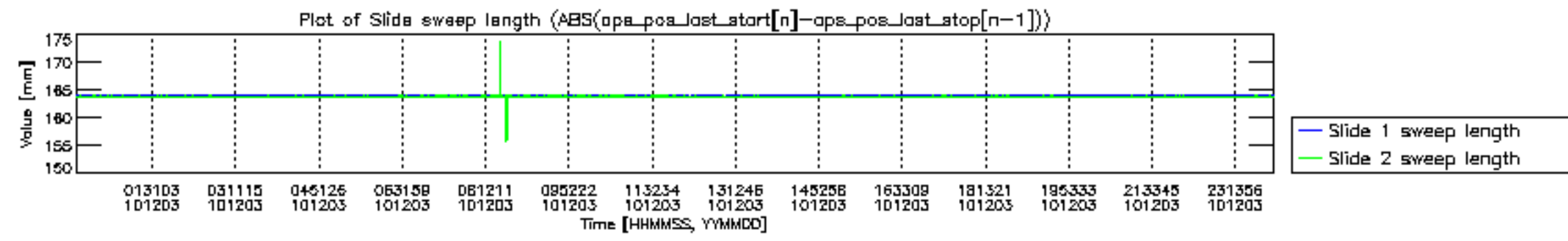


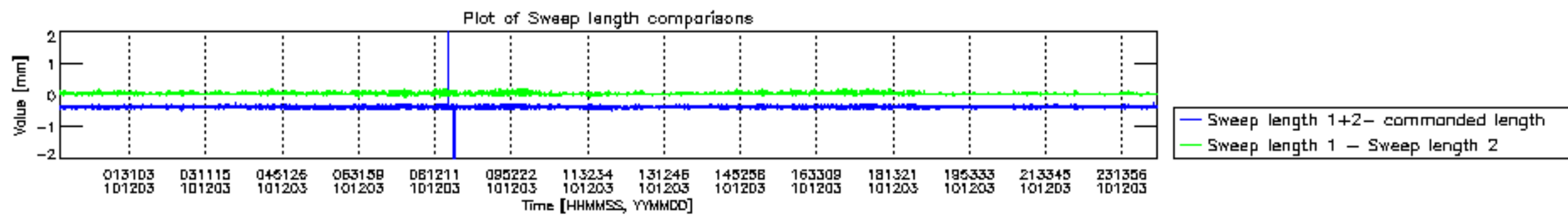


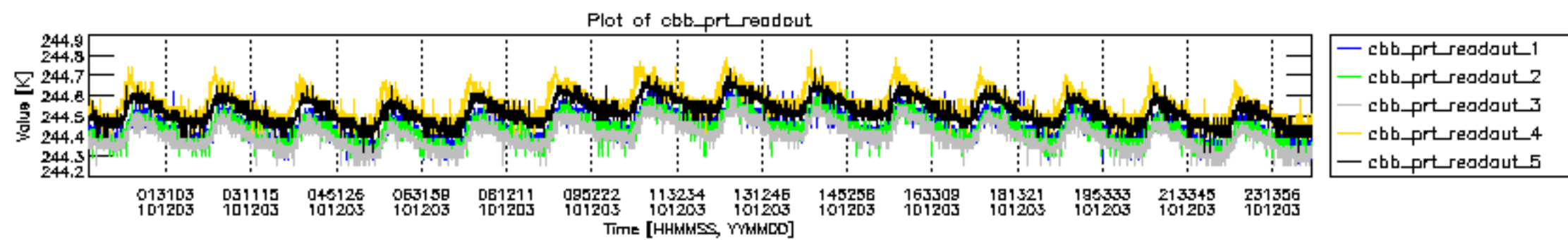


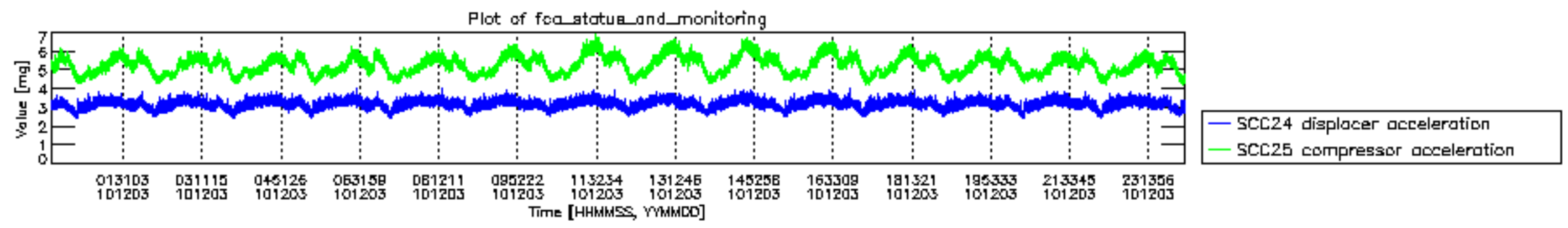












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

