

## 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	24DEC2010 05:23:41
Data source version	KSPT_L0/4504-N
Processing scope for products	19DEC2010 00:00:00 to 20DEC2010 00:00:00
Start time of first product within scope	19DEC2010 01:01:12
Stop time of last product within scope	20DEC2010 00:25:08
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__0PNPDE20101219_010112_000102573097_00318_46022_2527.N1	19DEC2010 01:01:12	19DEC2010 03:52:10	0	0	0	0	0
1	MIP_NL__0PNPDE20101219_014347_000077023097_00319_46023_2531.N1	19DEC2010 01:43:47	19DEC2010 03:52:10	0	0	0	0	0
2	MIP_NL__0PNPDE20101219_035136_000061983097_00320_46024_2528.N1	19DEC2010 03:51:36	19DEC2010 05:34:54	0	0	0	0	0
3	MIP_NL__0PNPDE20101219_053421_000060883097_00321_46025_2529.N1	19DEC2010 05:34:21	19DEC2010 07:15:49	0	0	0	0	0
4	MIP_NL__0PNPDK20101219_071517_000037983097_00322_46026_3721.N1	19DEC2010 07:15:17	19DEC2010 08:18:35	0	0	0	0	0
5	MIP_NL__0PNPDK20101219_082955_000052793097_00323_46027_3722.N1	19DEC2010 08:29:55	19DEC2010 09:57:54	0	0	0	0	0
6	MIP_NL__0PNPDK20101219_100841_000055283097_00324_46028_3723.N1	19DEC2010 10:08:41	19DEC2010 11:40:50	0	0	0	0	0
7	MIP_NL__0PNPDK20101219_113916_000060103097_00325_46029_3724.N1	19DEC2010 11:39:16	19DEC2010 13:19:26	0	0	0	0	0
8	MIP_NL__0PNPDK20101219_131813_000060963097_00326_46030_3725.N1	19DEC2010 13:18:13	19DEC2010 14:59:49	0	0	0	0	0
9	MIP_NL__0PNPDK20101219_145850_000058853097_00327_46031_3726.N1	19DEC2010 14:58:50	19DEC2010 16:36:55	0	0	0	0	0
10	MIP_NL__0PNPDK20101219_163517_000058993097_00328_46032_3727.N1	19DEC2010 16:35:17	19DEC2010 18:13:36	0	0	0	0	0
11	MIP_NL__0PNPDK20101219_181208_000060233097_00329_46033_3728.N1	19DEC2010 18:12:08	19DEC2010 19:52:31	0	0	0	0	0
12	MIP_NL__0PNPDE20101219_195034_000040953097_00330_46034_2532.N1	19DEC2010 19:50:34	19DEC2010 20:58:49	0	0	0	0	0
13	MIP_NL__0PNPDE20101219_205727_000064383097_00330_46034_2533.N1	19DEC2010 20:57:27	19DEC2010 22:44:46	0	0	0	0	0
14	MIP_NL__0PNPDE20101219_224347_000060813097_00331_46035_2534.N1	19DEC2010 22:43:47	20DEC2010 00:25:08	0	0	0	0	0

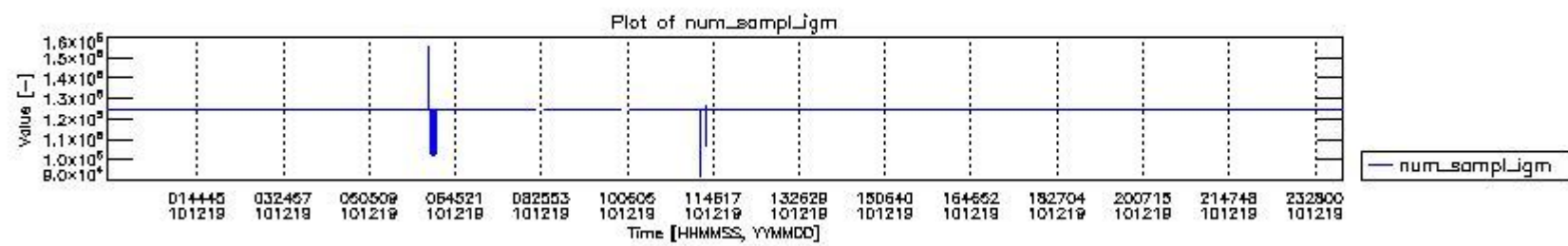
## 0.2 Instrument Operational Performance Parameters

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.

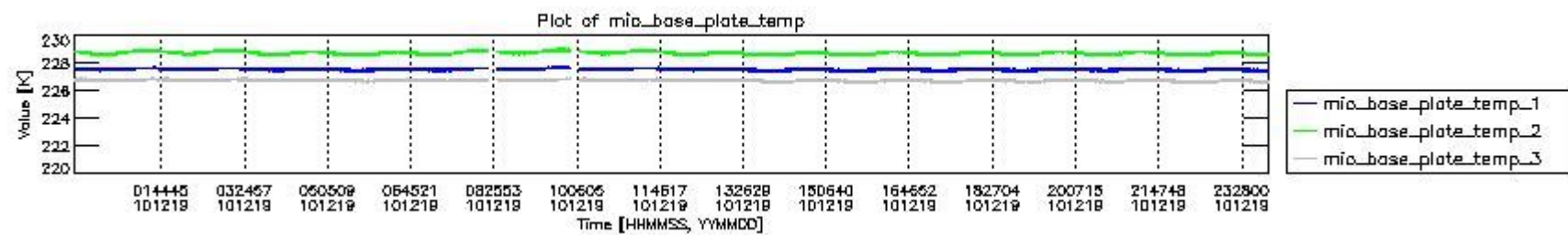
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
91812	1	0.0024402743
98240	1	0.0024402743
102518	2	0.0048805486

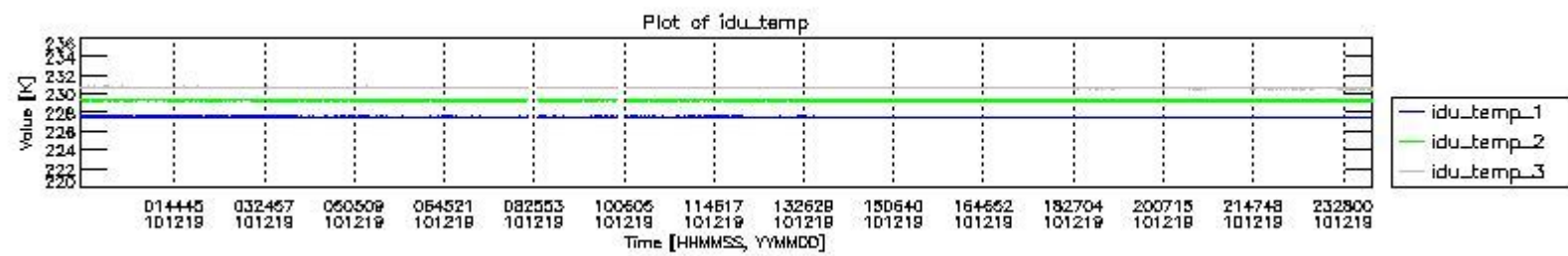
102666	6	0.014641646
103593	2	0.0048805486
103667	6	0.014641646
106566	1	0.0024402743
108464	1	0.0024402743
118372	1	0.0024402743
123725	2	0.0048805486
123799	6	0.014641646
124800	38024	92.788989
124803	2922	7.1304815
126698	1	0.0024402743
130133	1	0.0024402743
150265	1	0.0024402743
155598	1	0.0024402743



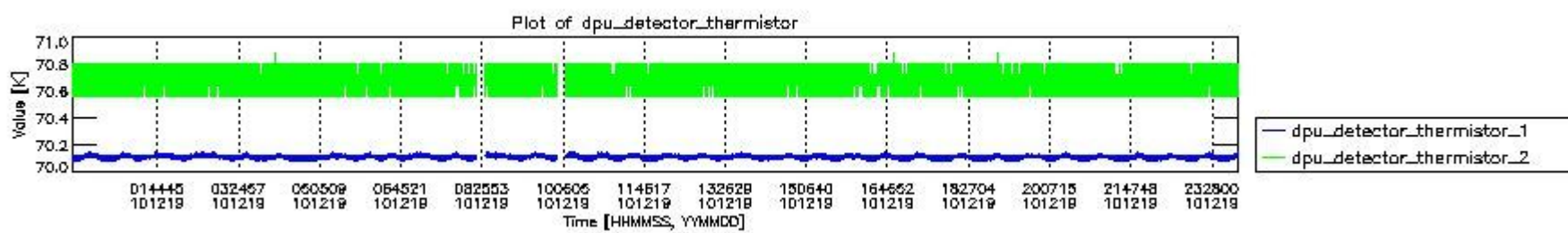
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101219\_0.PNG



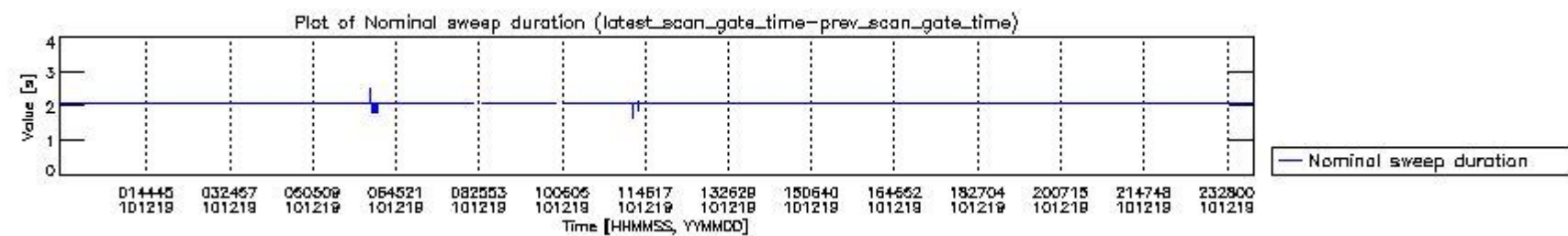
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101219\_1.PNG



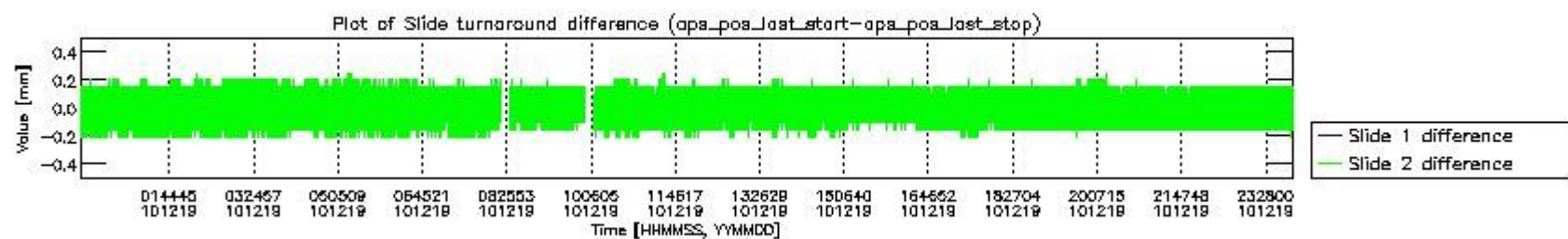
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101219\_2.PNG



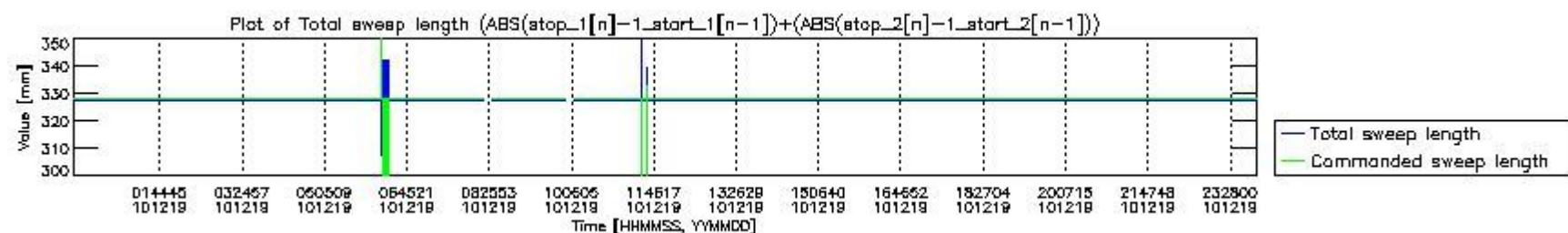
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101219\_3.PNG



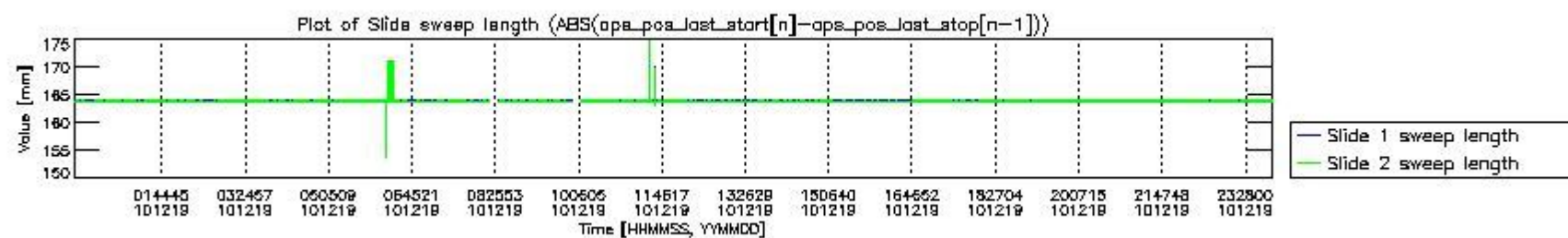
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101219\_4.PNG



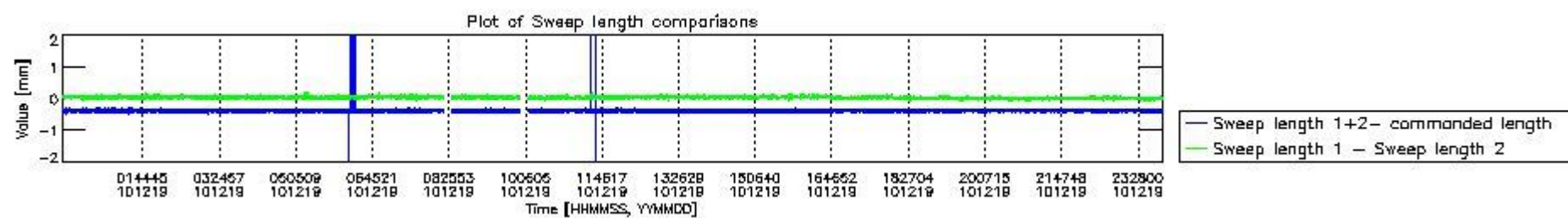
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101219\_5.PNG



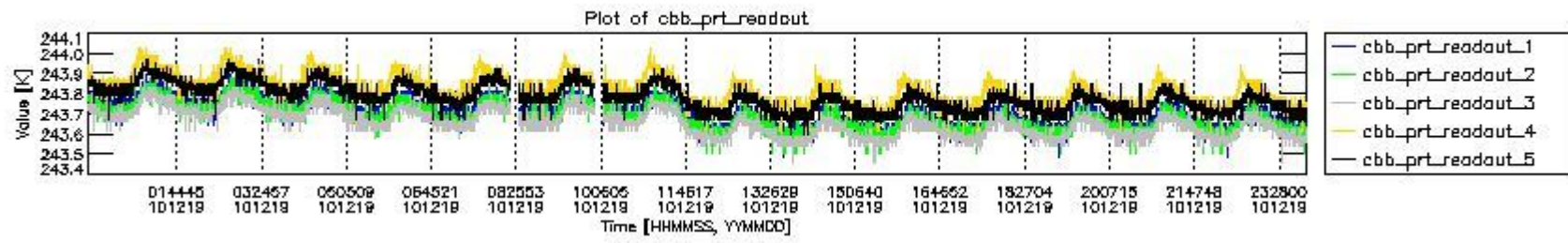
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101219\_6.PNG



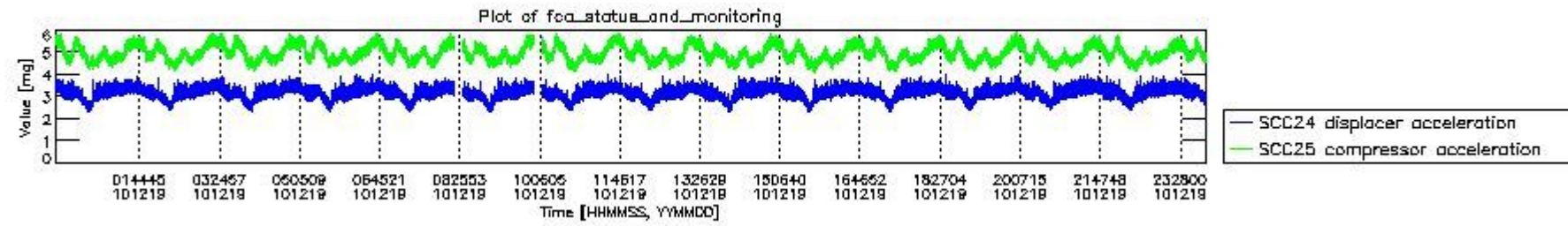
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101219\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101219\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101219\_9.PNG



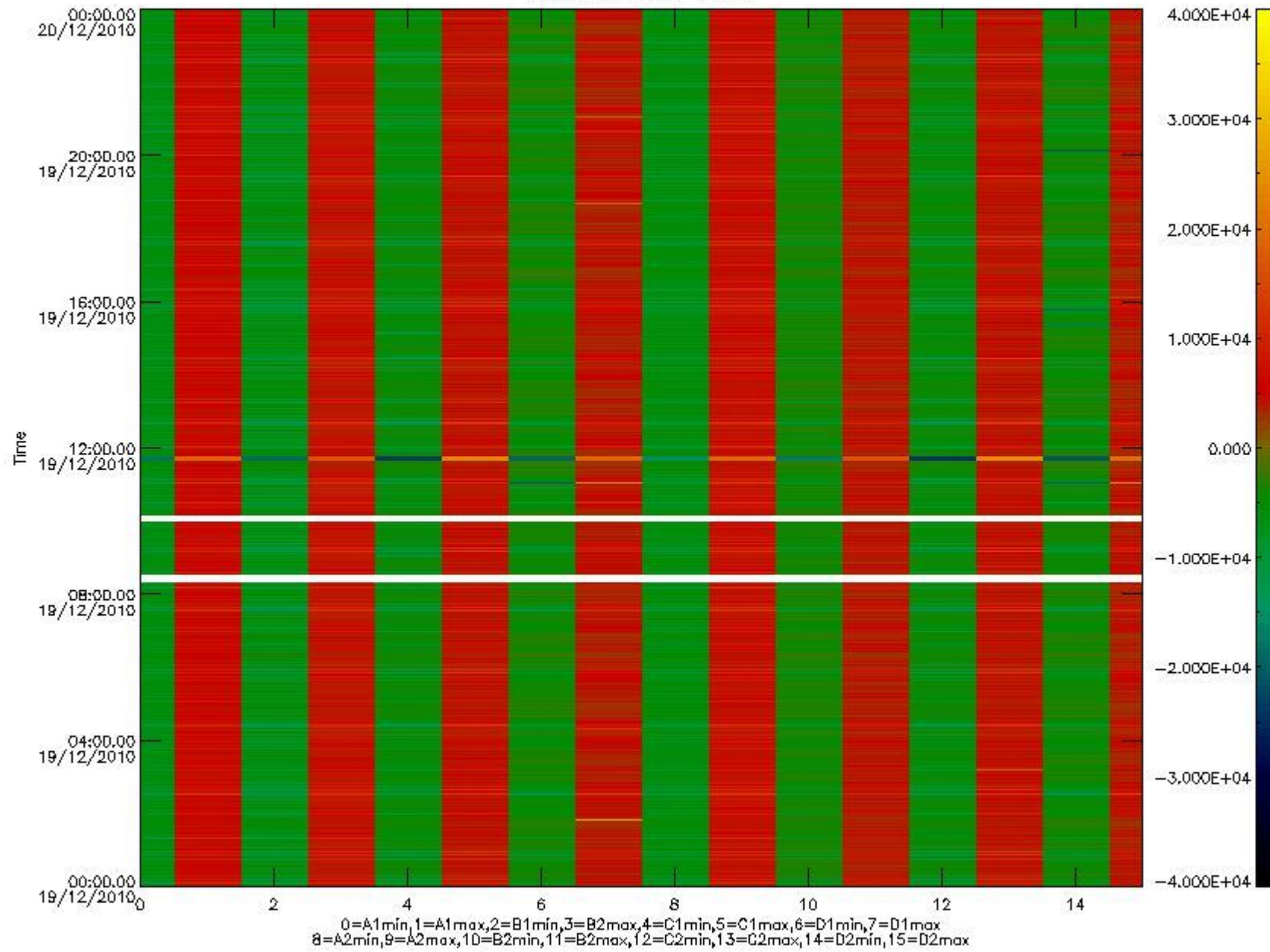
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101219\_10.PNG

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

Channel	Min	Max	ADC
A1	-18239	19361	16bit
B1	-20100	17325	16bit
C1	-24114	24094	16bit
D1	-29929	32767	16bit
A2	-15783	19497	16bit
B2	-18174	17818	16bit
C2	-25059	24775	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\_20101219\_11.PNG

### 0.3 ADF monitoring

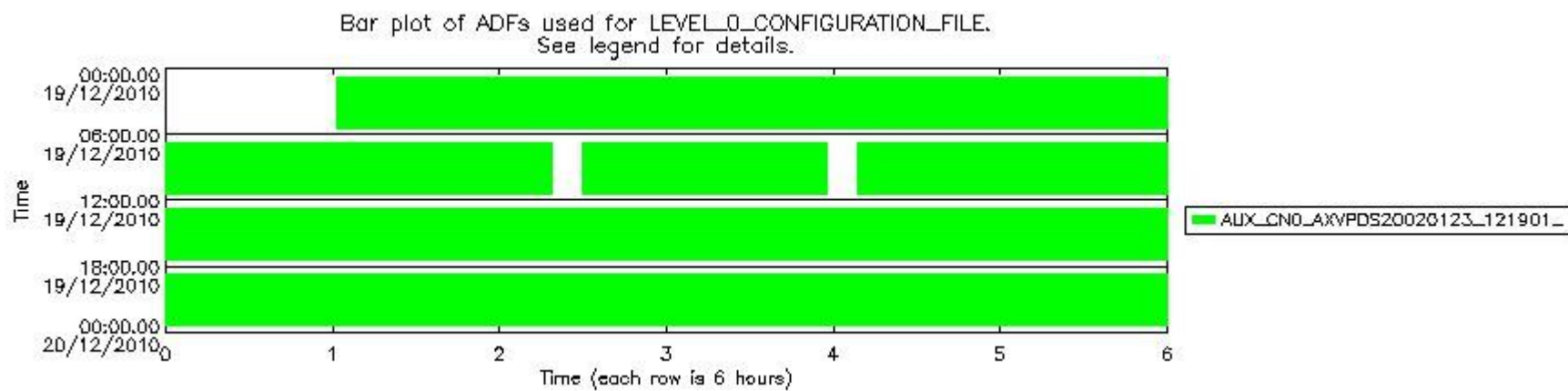
The use of ADFs is shown in two ways:

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.

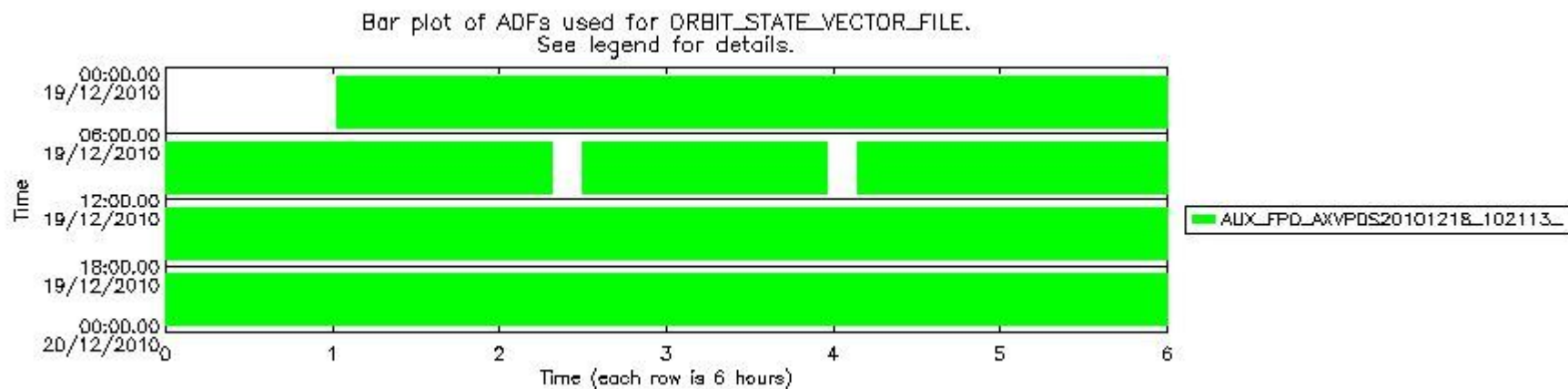
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101218_102113_20101217_190837_20101227_212231

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20101219_010112_000102573097_00318_46022_2527.N1	0	1

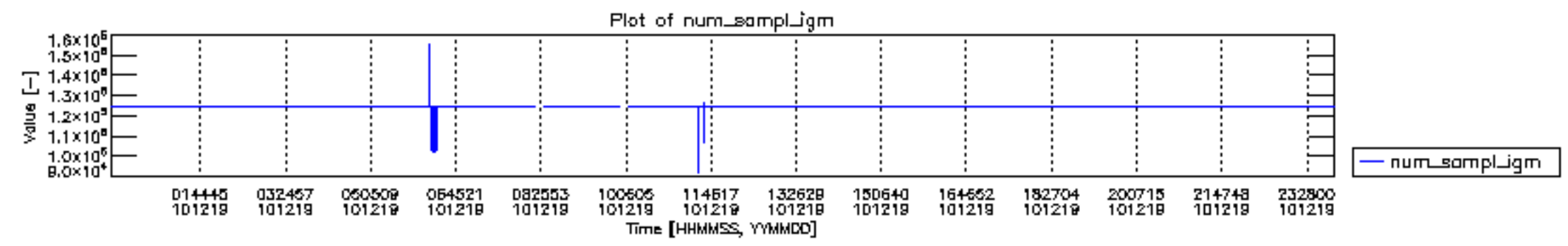
1	MIP_NL__0PNPDE20101219_014347_000077023097_00319_46023_2531.N1	0	1
2	MIP_NL__0PNPDE20101219_035136_000061983097_00320_46024_2528.N1	0	1
3	MIP_NL__0PNPDE20101219_053421_000060883097_00321_46025_2529.N1	0	1
4	MIP_NL__0PNPDK20101219_071517_000037983097_00322_46026_3721.N1	0	1
5	MIP_NL__0PNPDK20101219_082955_000052793097_00323_46027_3722.N1	0	1
6	MIP_NL__0PNPDK20101219_100841_000055283097_00324_46028_3723.N1	0	1
7	MIP_NL__0PNPDK20101219_113916_000060103097_00325_46029_3724.N1	0	1
8	MIP_NL__0PNPDK20101219_131813_000060963097_00326_46030_3725.N1	0	1
9	MIP_NL__0PNPDK20101219_145850_000058853097_00327_46031_3726.N1	0	1
10	MIP_NL__0PNPDK20101219_163517_000058993097_00328_46032_3727.N1	0	1
11	MIP_NL__0PNPDK20101219_181208_000060233097_00329_46033_3728.N1	0	1
12	MIP_NL__0PNPDE20101219_195034_000040953097_00330_46034_2532.N1	0	1
13	MIP_NL__0PNPDE20101219_205727_000064383097_00330_46034_2533.N1	0	1
14	MIP_NL__0PNPDE20101219_224347_000060813097_00331_46035_2534.N1	0	1

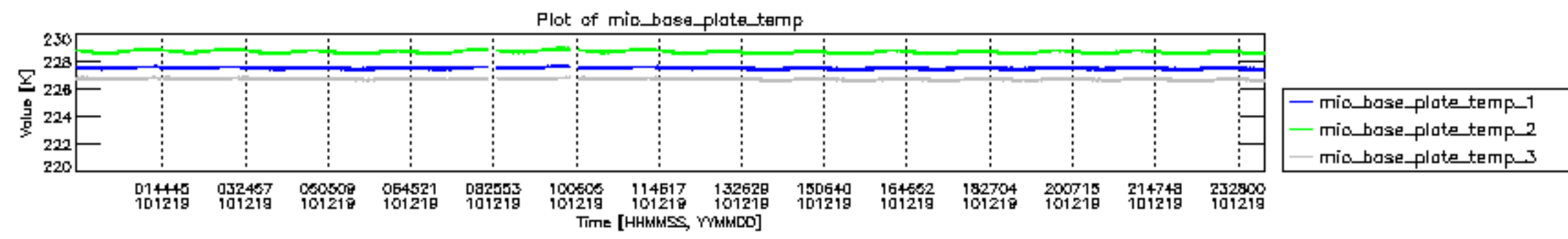


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101219\_12.PNG

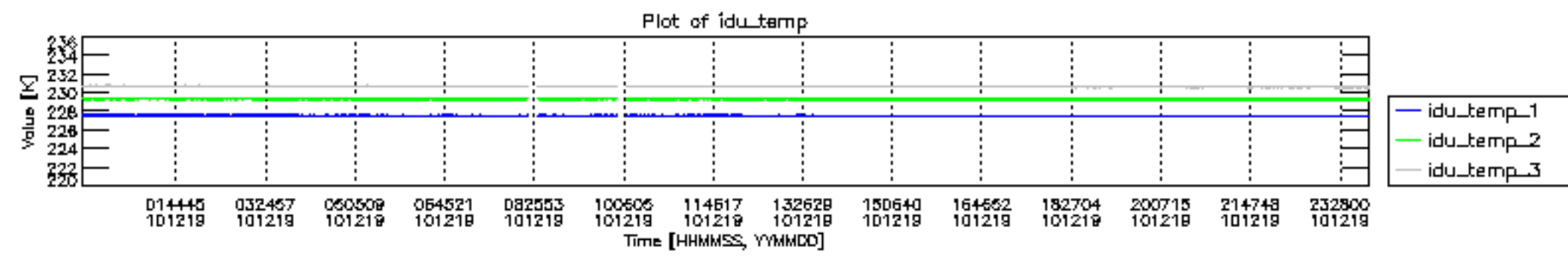


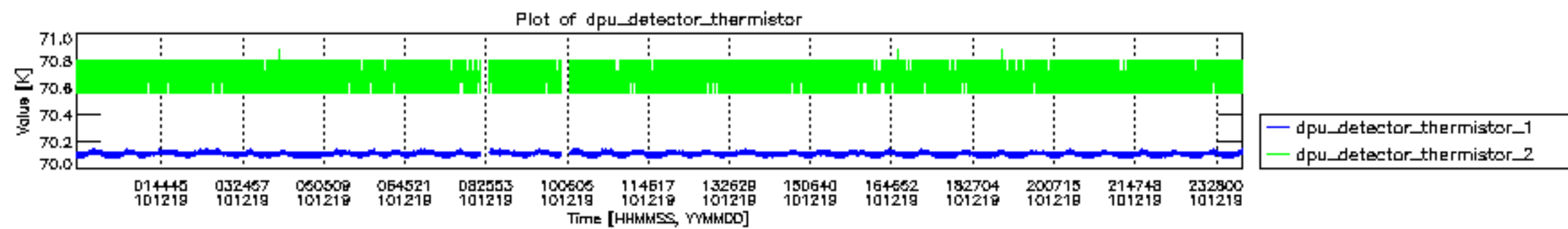
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101219\_13.PNG

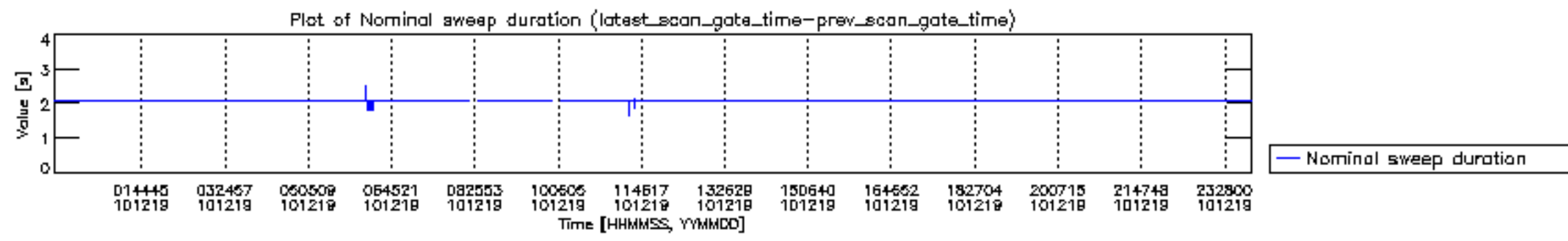


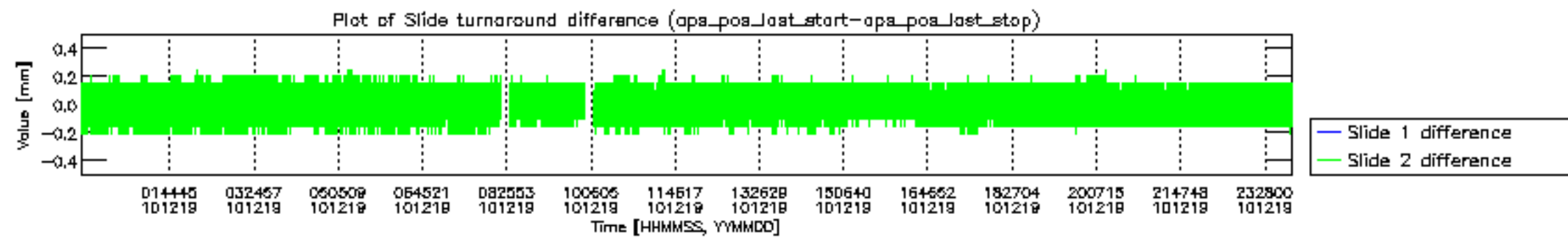


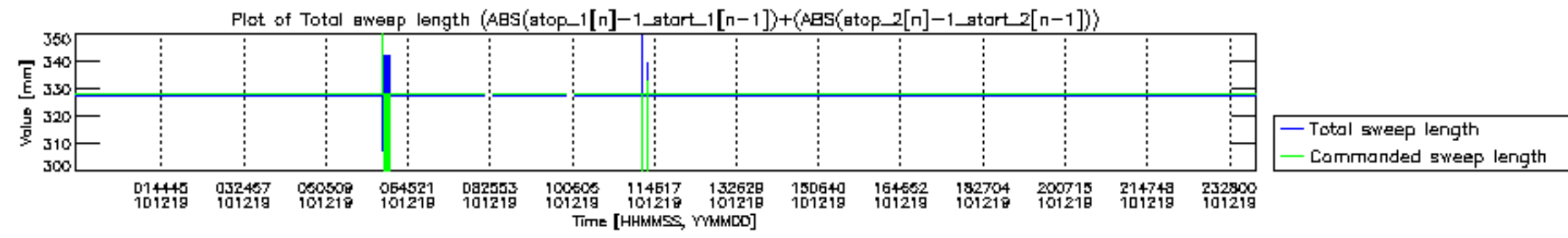




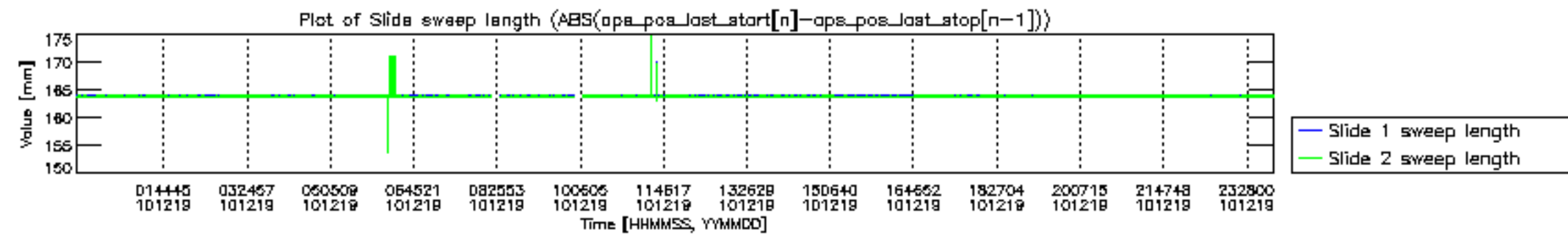


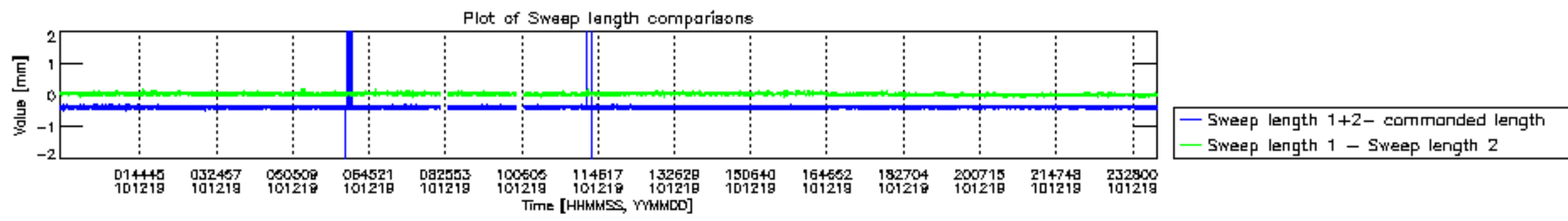


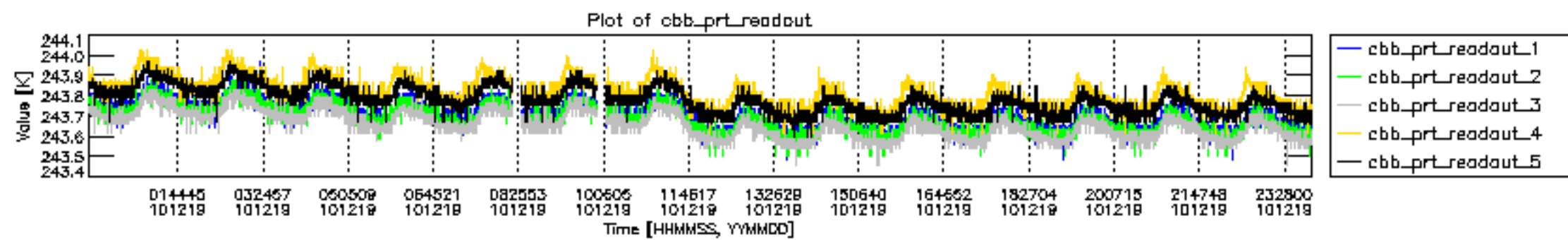


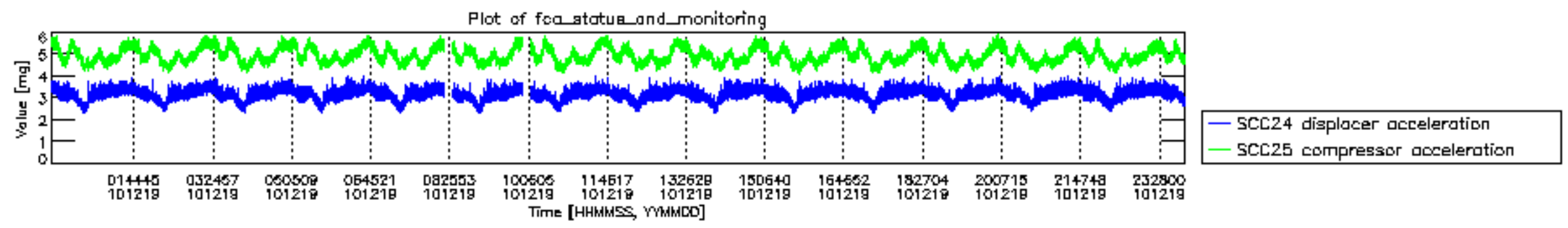












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

