

## 0. MIPAS Daily Report for level 0 products

### [0.1 General Info](#)

### [0.2 Instrument Operational Performance Parameters](#)

### [0.3 ADF monitoring](#)

## 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	28DEC2011 05:24:40
Data source version	KSPT_L0/4504-N
Processing scope for products	23DEC2011 00:00:00 to 24DEC2011 00:00:00
Start time of first product within scope	23DEC2011 00:36:28
Stop time of last product within scope	24DEC2011 00:01:10
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__0PNPDE20111223_003628_000058853110_00016_51323_5194.N1	23DEC2011 00:36:28	23DEC2011 02:14:33	0	0	0	0	0
1	MIP_NL__0PNPDE20111223_021337_000044563110_00017_51324_5195.N1	23DEC2011 02:13:37	23DEC2011 03:27:52	0	0	0	0	0
2	MIP_NL__0PNPDE20111223_032719_000061833110_00018_51325_5196.N1	23DEC2011 03:27:19	23DEC2011 05:10:22	0	0	0	0	0
3	MIP_NL__0PNPDE20111223_050949_000060253110_00019_51326_5197.N1	23DEC2011 05:09:49	23DEC2011 06:50:14	0	0	0	0	0
4	MIP_NL__0PNPDK20111223_064940_000040073110_00020_51327_7872.N1	23DEC2011 06:49:40	23DEC2011 07:56:27	0	0	0	0	0
5	MIP_NL__0PNPDK20111223_075528_000061813110_00021_51328_7873.N1	23DEC2011 07:55:28	23DEC2011 09:38:30	0	0	0	0	0
6	MIP_NL__0PNPDK20111223_093650_000059853110_00022_51329_7874.N1	23DEC2011 09:36:50	23DEC2011 11:16:35	0	0	0	0	0
7	MIP_NL__0PNPDK20111223_111456_000060523110_00023_51330_7875.N1	23DEC2011 11:14:56	23DEC2011 12:55:48	0	0	0	0	0
8	MIP_NL__0PNPDK20111223_125452_000060623110_00024_51331_7876.N1	23DEC2011 12:54:52	23DEC2011 14:35:54	0	0	0	0	0
9	MIP_NL__0PNPDK20111223_143456_000058763110_00025_51332_7877.N1	23DEC2011 14:34:56	23DEC2011 16:12:52	0	0	0	0	0
10	MIP_NL__0PNPDK20111223_161156_000058263110_00026_51333_7878.N1	23DEC2011 16:11:56	23DEC2011 17:49:02	0	0	0	0	0
11	MIP_NL__0PNPDK20111223_174755_000060353110_00027_51334_7879.N1	23DEC2011 17:47:55	23DEC2011 19:28:30	0	0	0	0	0
12	MIP_NL__0PNPDK20111223_192623_000059893110_00028_51335_7880.N1	23DEC2011 19:26:23	23DEC2011 21:06:12	0	0	0	0	0
13	MIP_NL__0PNPDE20111223_210434_000044563110_00029_51336_5198.N1	23DEC2011 21:04:34	23DEC2011 22:18:50	0	0	0	0	0
14	MIP_NL__0PNPDE20111223_221753_000061963110_00029_51336_5199.N1	23DEC2011 22:17:53	24DEC2011 00:01:10	0	0	0	0	0

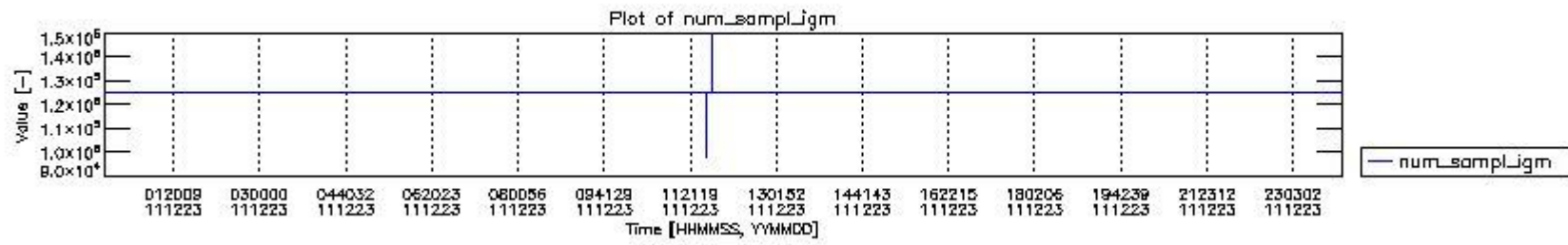
## 0.2 Instrument Operational Performance Parameters

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.

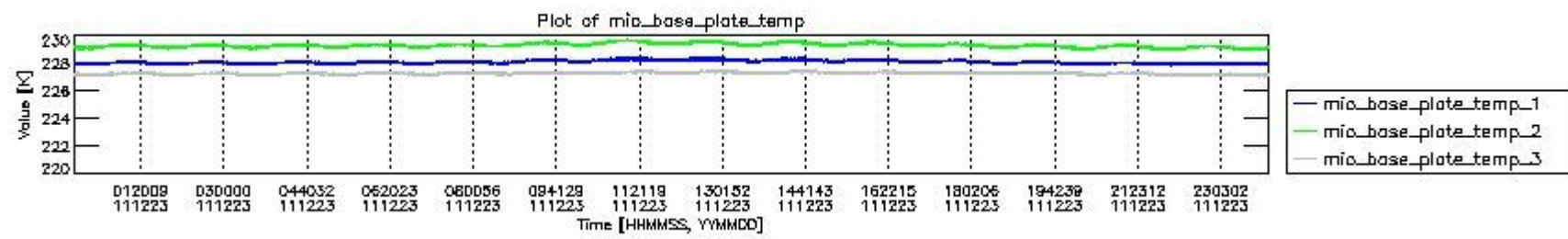
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
97612	1	0.0023973342
101140	1	0.0023973342
121272	1	0.0023973342

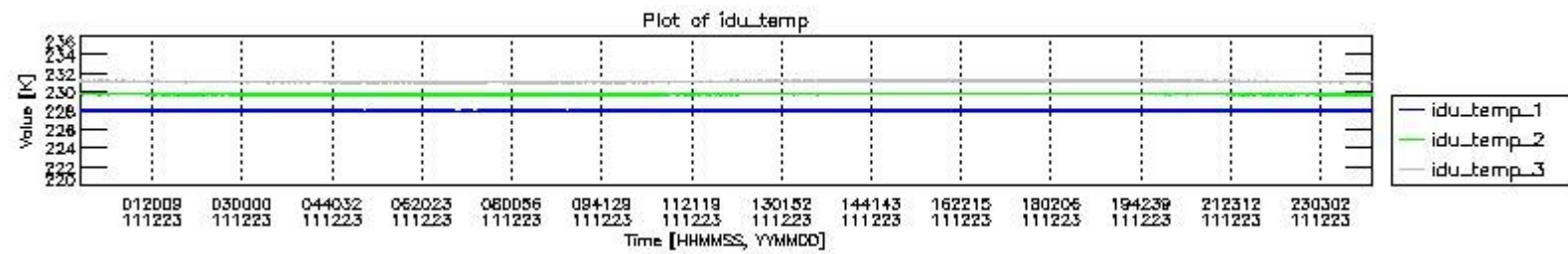
124800	38746	92.887110
124803	2961	7.0985065
127308	1	0.0023973342
147440	1	0.0023973342
149948	1	0.0023973342



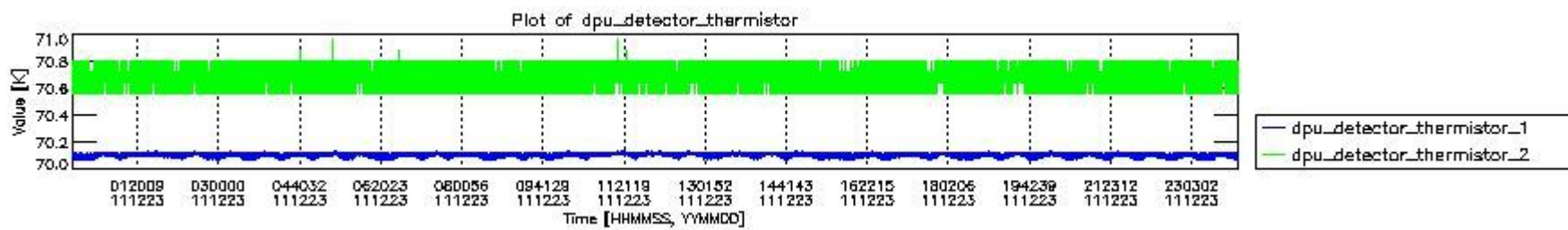
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111223\_0.PNG



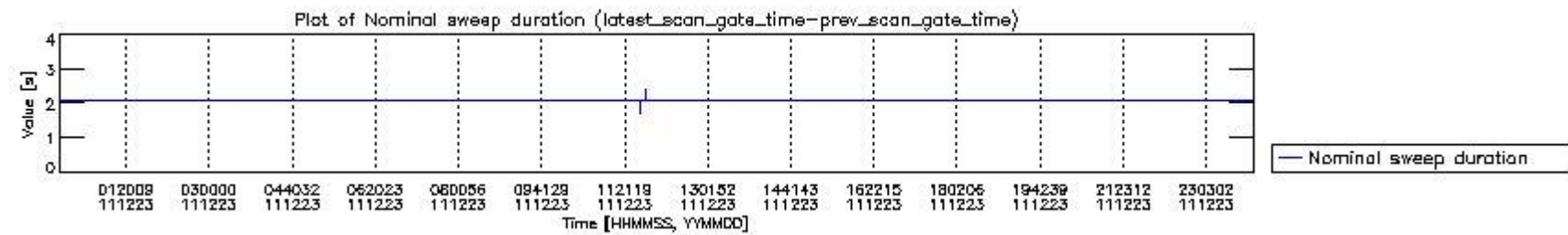
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111223\_1.PNG



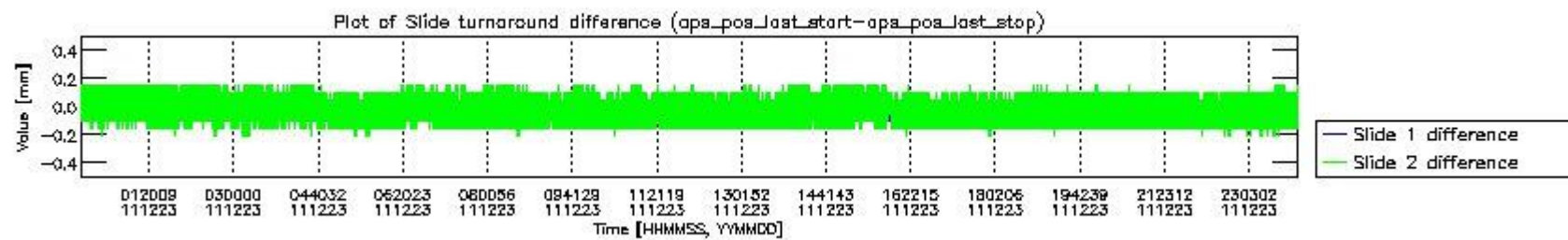
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111223\_2.PNG



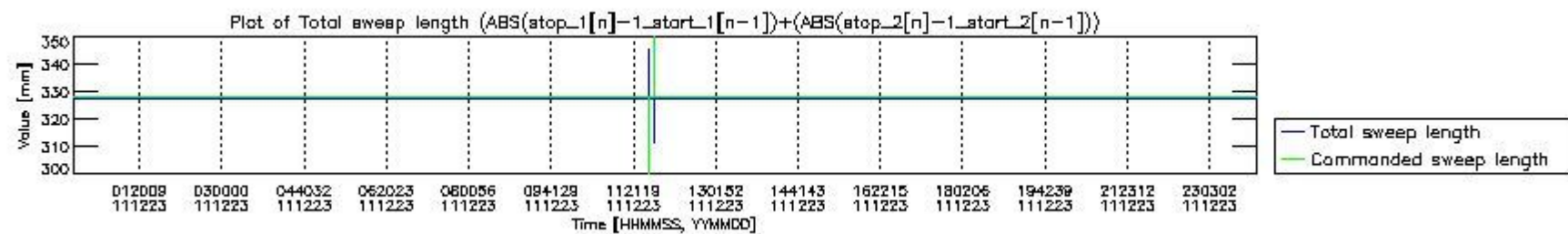
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111223\_3.PNG



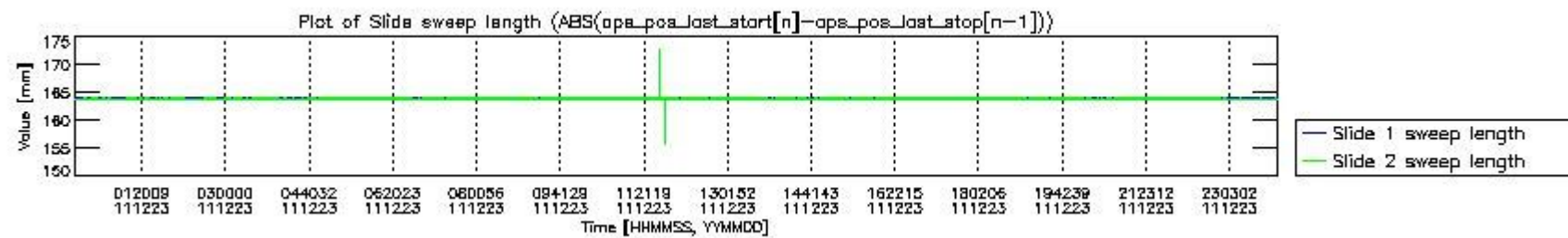
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111223\_4.PNG



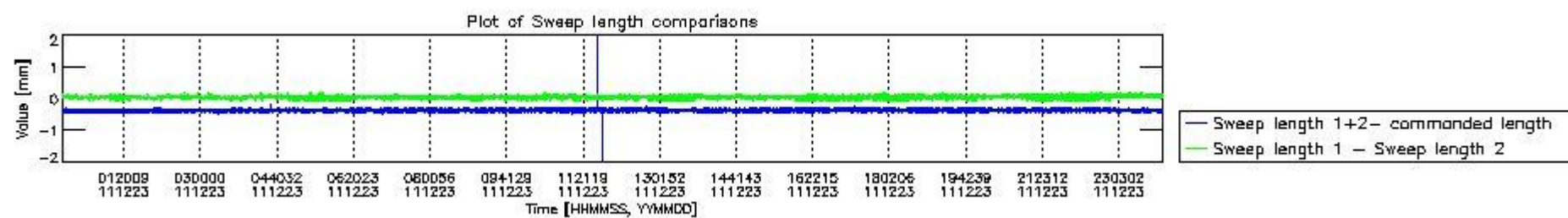
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111223\_5.PNG



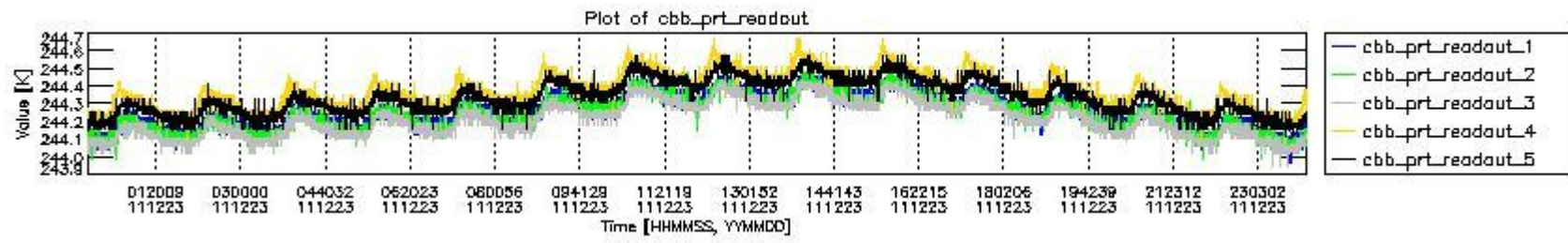
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111223\_6.PNG



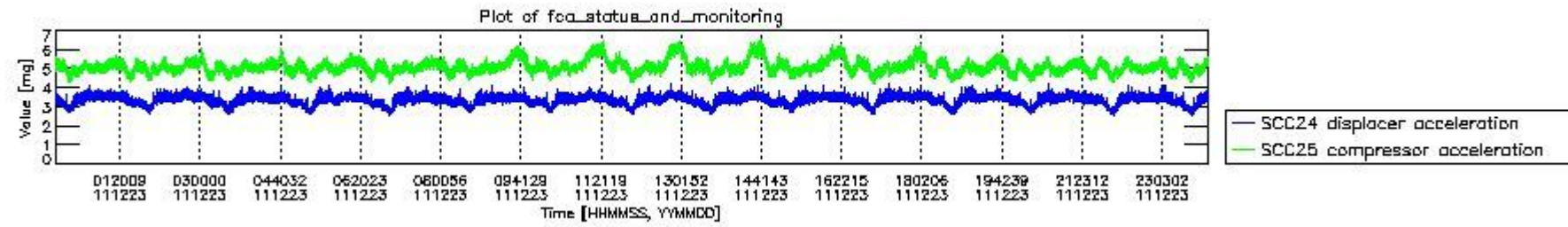
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111223\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111223\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111223\_9.PNG

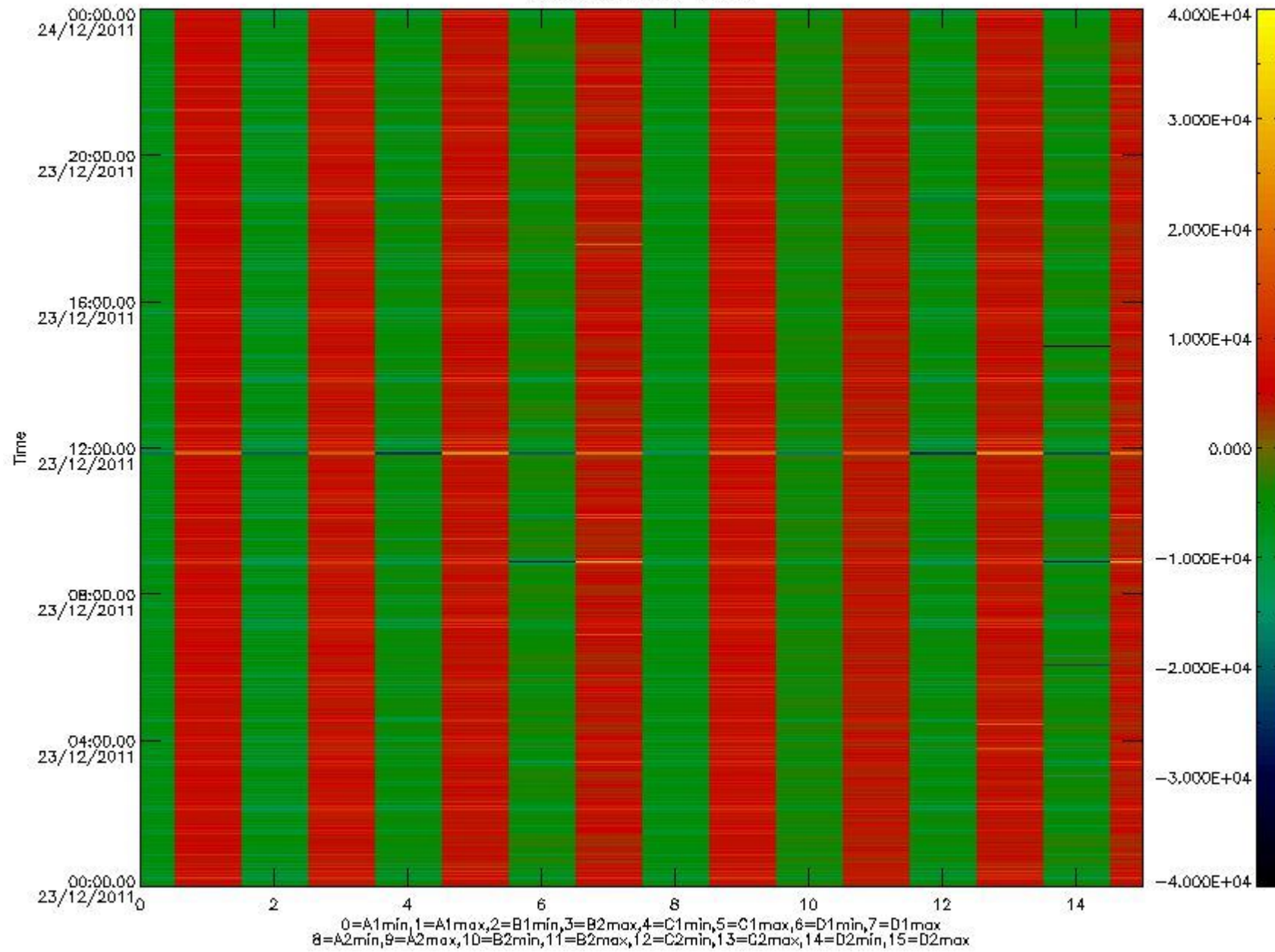


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111223\_10.PNG

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

Channel	Min	Max	ADC
A1	-18076	19124	16bit
B1	-20366	17518	16bit
C1	-29242	24544	16bit
D1	-32768	32767	16bit
A2	-15698	19338	16bit
B2	-18214	17886	16bit
C2	-25695	25231	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\_20111223\_11.PNG

### 0.3 ADF monitoring

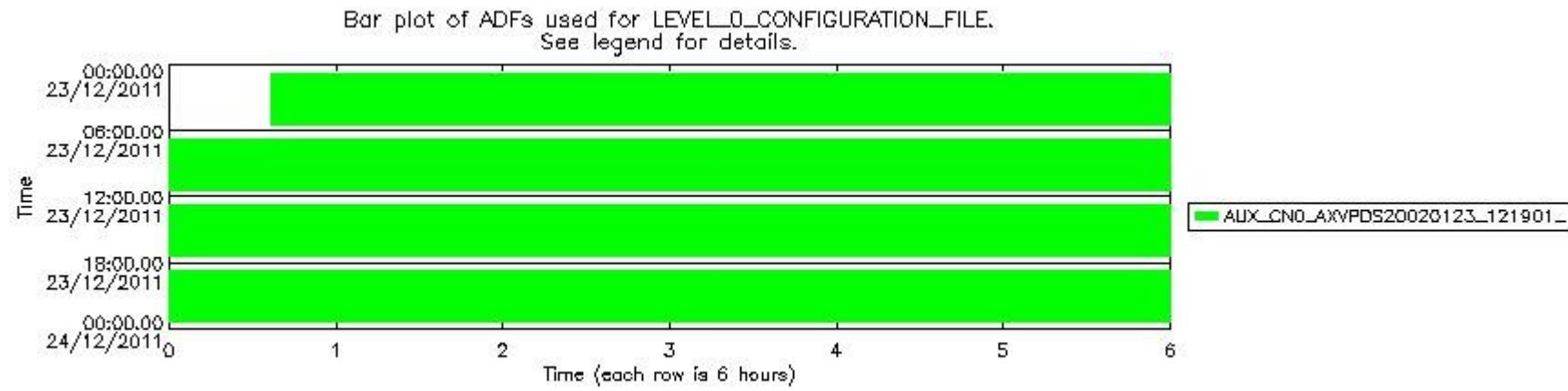
The use of ADFs is shown in two ways:

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.

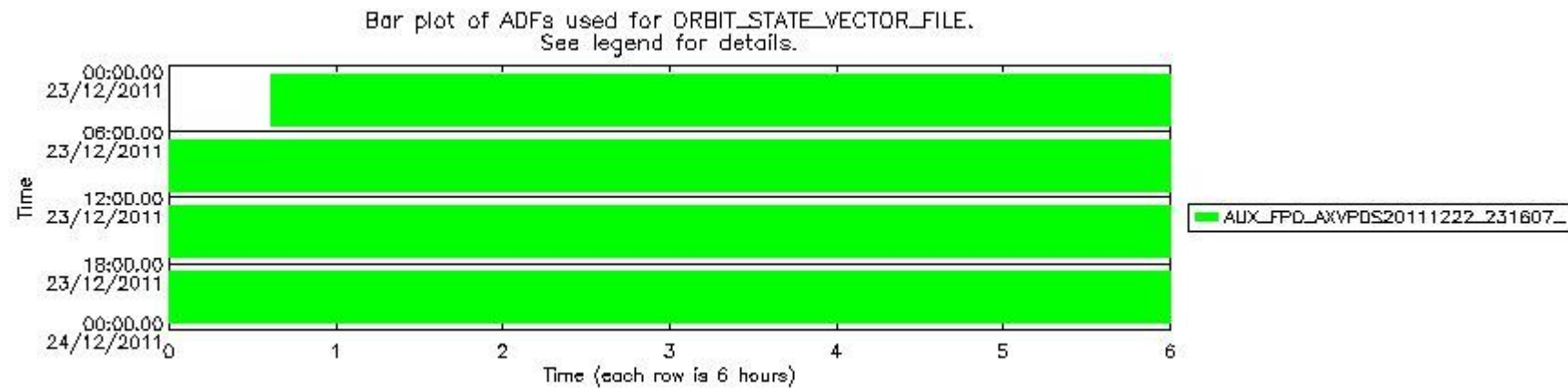
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111222_231607_20111221_184355_20111231_205737

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20111223_003628_000058853110_00016_51323_5194.N1	0	1

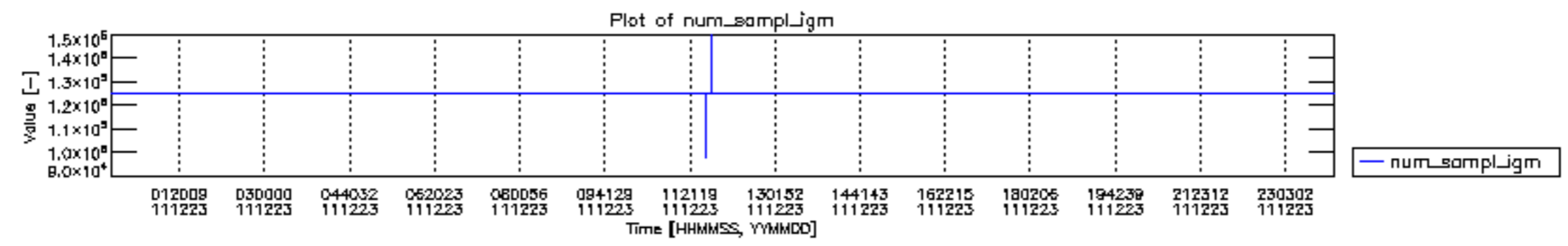
1	MIP_NL__0PNPDE20111223_021337_000044563110_00017_51324_5195.N1	0	1
2	MIP_NL__0PNPDE20111223_032719_000061833110_00018_51325_5196.N1	0	1
3	MIP_NL__0PNPDE20111223_050949_000060253110_00019_51326_5197.N1	0	1
4	MIP_NL__0PNPDK20111223_064940_000040073110_00020_51327_7872.N1	0	1
5	MIP_NL__0PNPDK20111223_075528_000061813110_00021_51328_7873.N1	0	1
6	MIP_NL__0PNPDK20111223_093650_000059853110_00022_51329_7874.N1	0	1
7	MIP_NL__0PNPDK20111223_111456_000060523110_00023_51330_7875.N1	0	1
8	MIP_NL__0PNPDK20111223_125452_000060623110_00024_51331_7876.N1	0	1
9	MIP_NL__0PNPDK20111223_143456_000058763110_00025_51332_7877.N1	0	1
10	MIP_NL__0PNPDK20111223_161156_000058263110_00026_51333_7878.N1	0	1
11	MIP_NL__0PNPDK20111223_174755_000060353110_00027_51334_7879.N1	0	1
12	MIP_NL__0PNPDK20111223_192623_000059893110_00028_51335_7880.N1	0	1
13	MIP_NL__0PNPDE20111223_210434_000044563110_00029_51336_5198.N1	0	1
14	MIP_NL__0PNPDE20111223_221753_000061963110_00029_51336_5199.N1	0	1

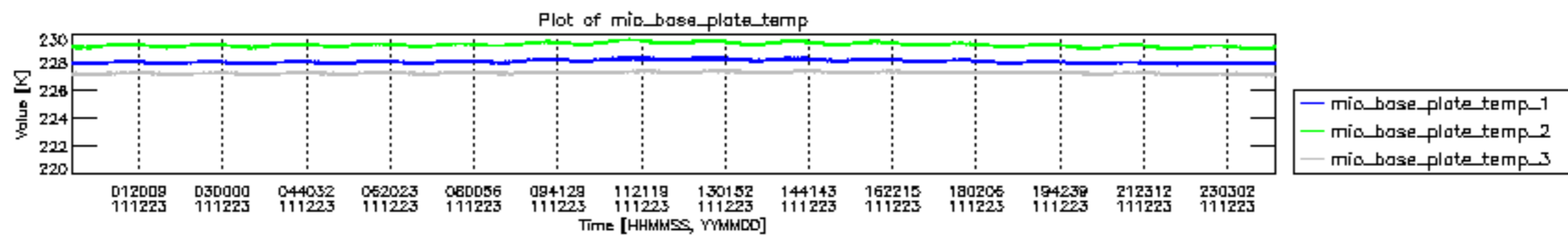


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111223\_12.PNG

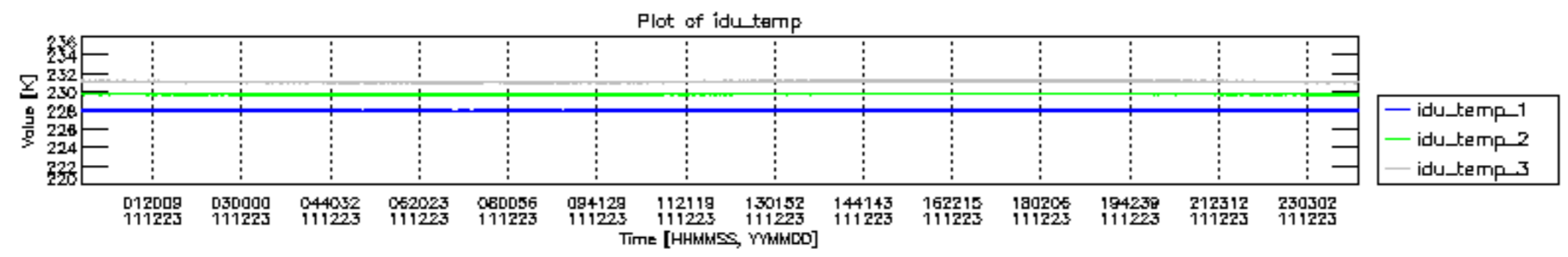


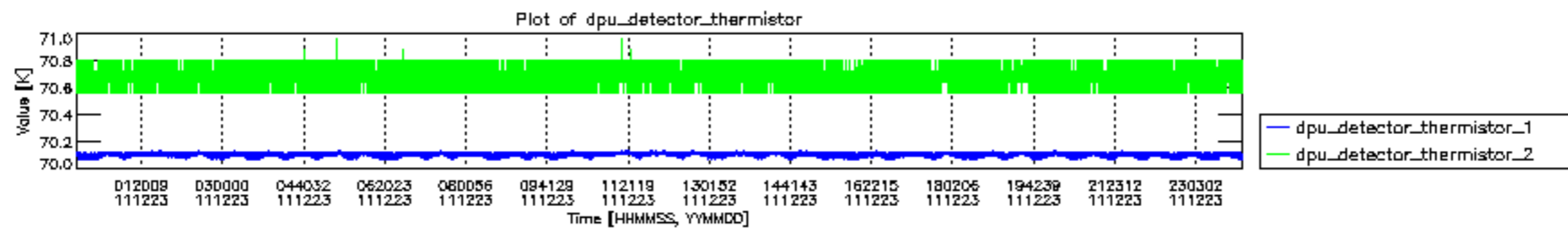
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111223\_13.PNG

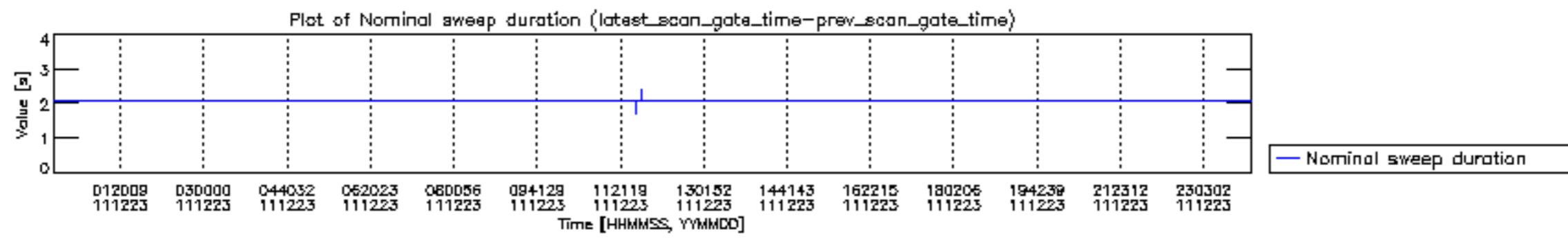




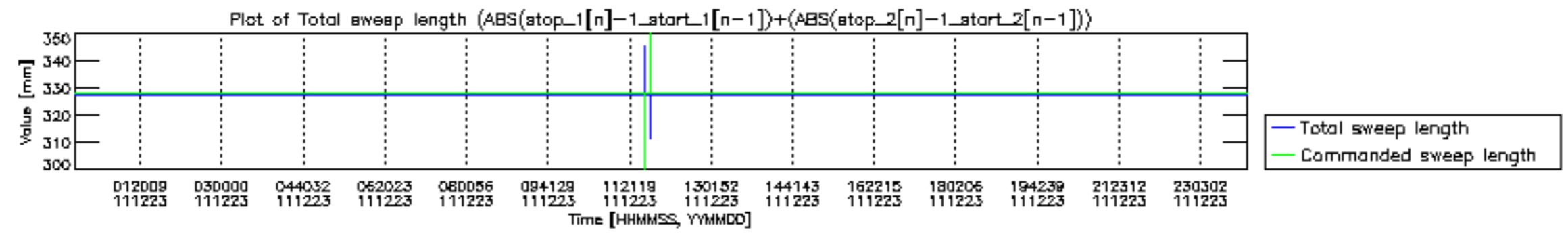


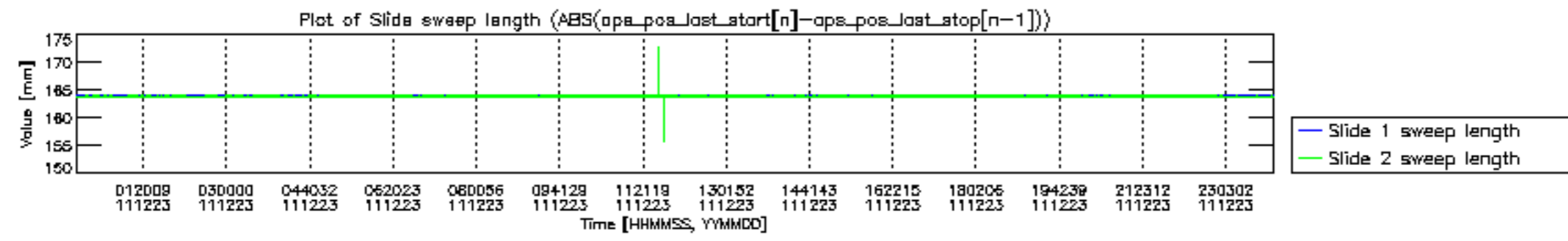


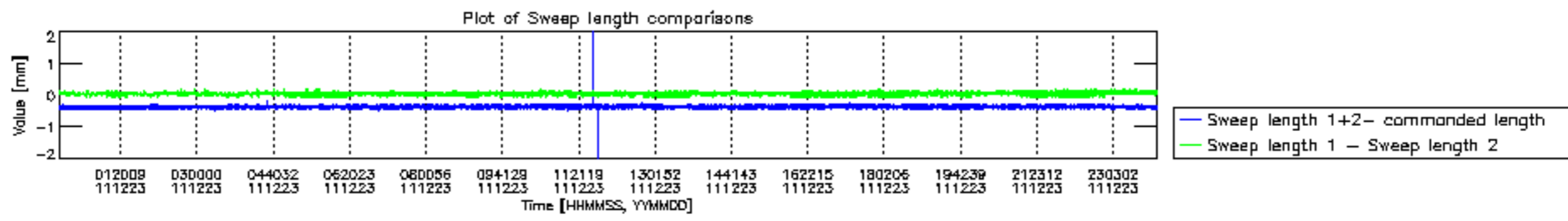


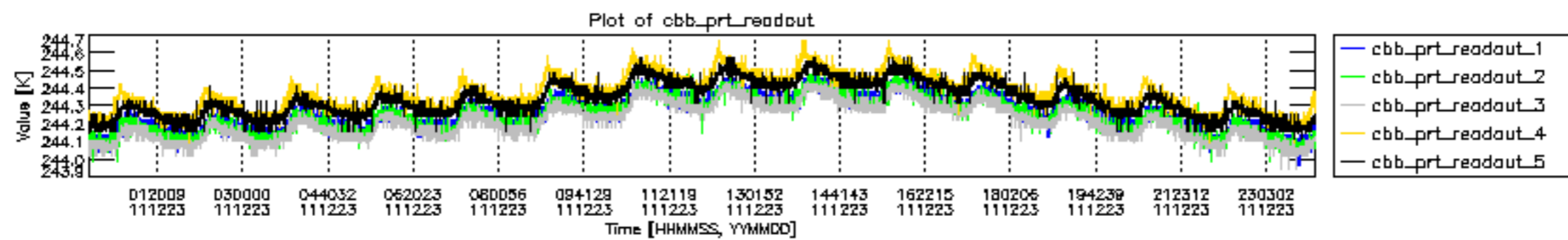




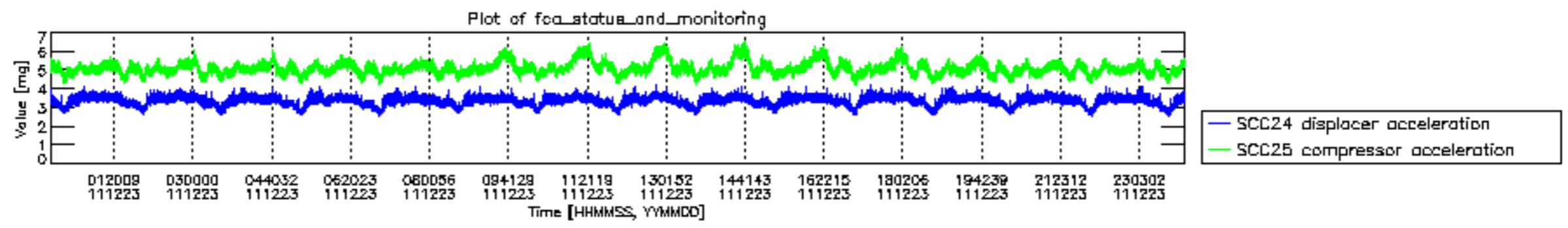












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

