

## 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	12NOV2010 05:25:44
Data source version	KSPT_L0/4504-N
Processing scope for products	08NOV2010 00:00:00 to 09NOV2010 00:00:00
Start time of first product within scope	08NOV2010 01:02:34
Stop time of last product within scope	08NOV2010 20:36:09
Total number of level 0 products	12
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__0PNPDE20101108_010234_000103093096_00160_45433_1810.N1	08NOV2010 01:02:34	08NOV2010 03:54:24	0	0	0	0	0
1	MIP_NL__0PNPDE20101108_035352_000062073096_00162_45435_1811.N1	08NOV2010 03:53:52	08NOV2010 05:37:19	0	0	0	0	0
2	MIP_NL__0PNPDE20101108_053648_000060963096_00163_45436_1812.N1	08NOV2010 05:36:48	08NOV2010 07:18:23	0	0	0	0	0
3	MIP_NL__0PNPDK20101108_071750_000039573096_00164_45437_3216.N1	08NOV2010 07:17:50	08NOV2010 08:23:47	0	0	0	0	0
4	MIP_NL__0PNPDK20101108_082248_000060853096_00165_45438_3217.N1	08NOV2010 08:22:48	08NOV2010 10:04:14	0	0	0	0	0
5	MIP_NL__0PNPDK20101108_100315_000061223096_00166_45439_3218.N1	08NOV2010 10:03:15	08NOV2010 11:45:17	0	0	0	0	0
6	MIP_NL__0PNPDK20101108_114355_000059683096_00167_45440_3219.N1	08NOV2010 11:43:55	08NOV2010 13:23:24	0	0	0	0	0
7	MIP_NL__0PNPDK20101108_132227_000059143096_00168_45441_3220.N1	08NOV2010 13:22:27	08NOV2010 15:01:01	0	0	0	0	0
8	MIP_NL__0PNPDK20101108_150003_000059103096_00169_45442_3221.N1	08NOV2010 15:00:03	08NOV2010 16:38:33	0	0	0	0	0
9	MIP_NL__0PNPDK20101108_163759_000059163096_00170_45443_3222.N1	08NOV2010 16:37:59	08NOV2010 18:16:36	0	0	0	0	0
10	MIP_NL__0PNPDK20101108_181535_000059313096_00171_45444_3223.N1	08NOV2010 18:15:35	08NOV2010 19:54:26	0	0	0	0	0
11	MIP_NL__0PNPDE20101108_195235_000026133096_00172_45445_1813.N1	08NOV2010 19:52:35	08NOV2010 20:36:09	0	0	0	0	0

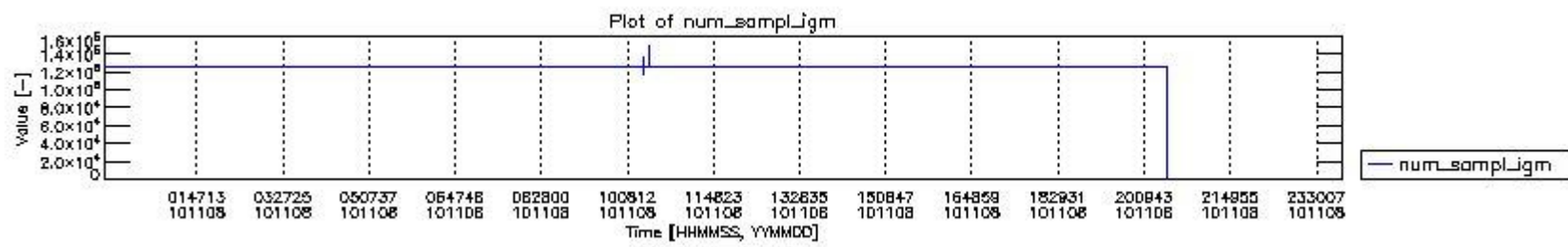
## 0.2 Instrument Operational Performance Parameters

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.

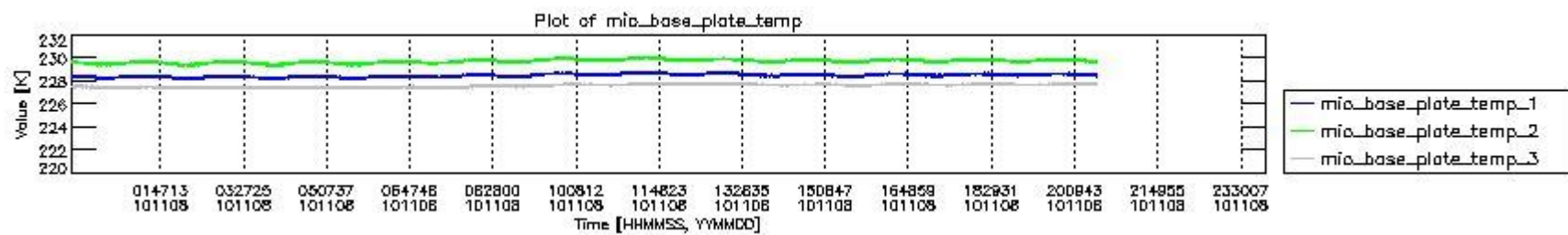
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
88	1	0.0028020623
116379	1	0.0028020623
124800	33149	92.885564
124803	2532	7.0948218
127010	1	0.0028020623
128090	1	0.0028020623

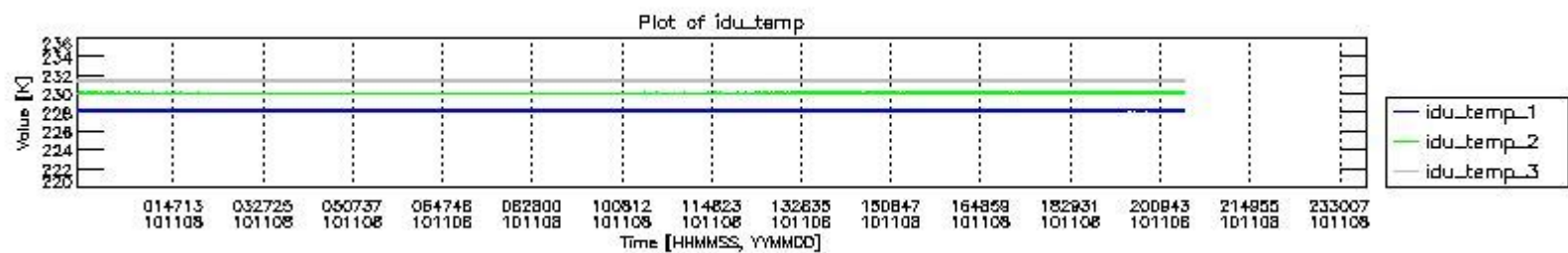
136511	1	0.0028020623
147142	1	0.0028020623
149352	1	0.0028020623



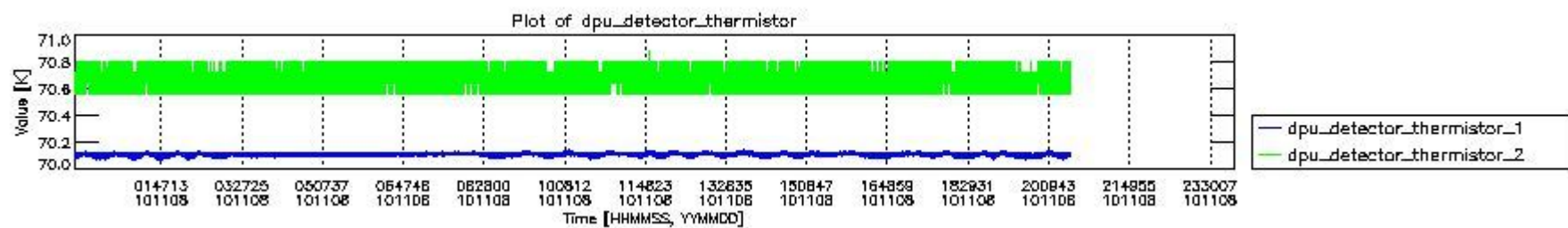
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101108\_0.PNG



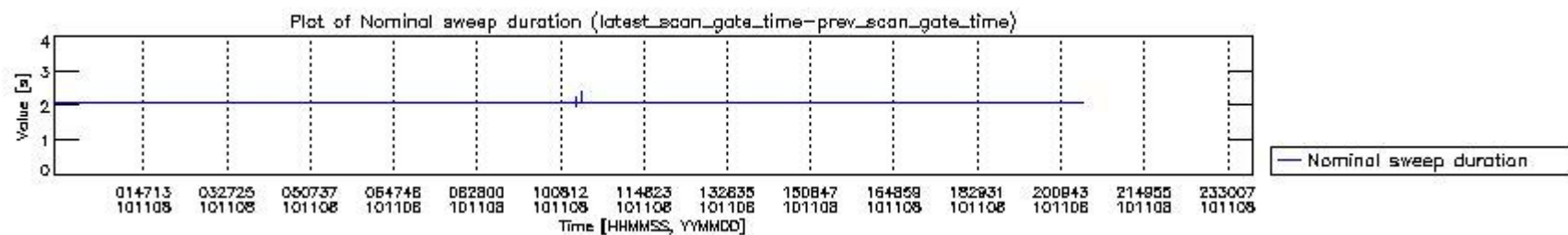
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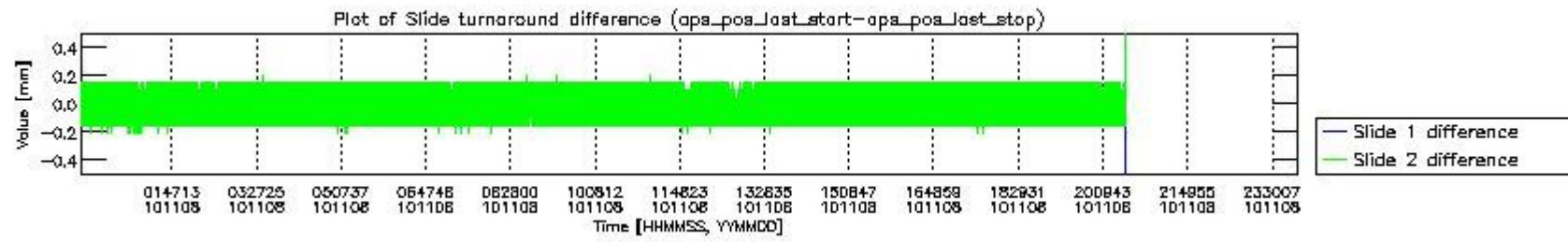
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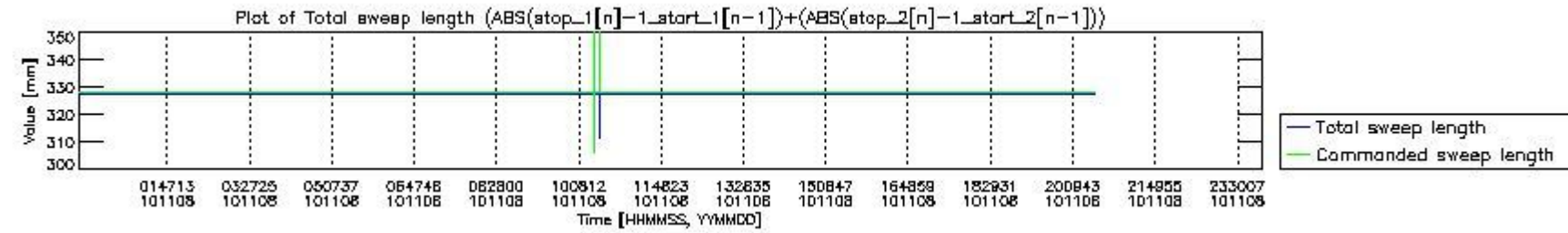
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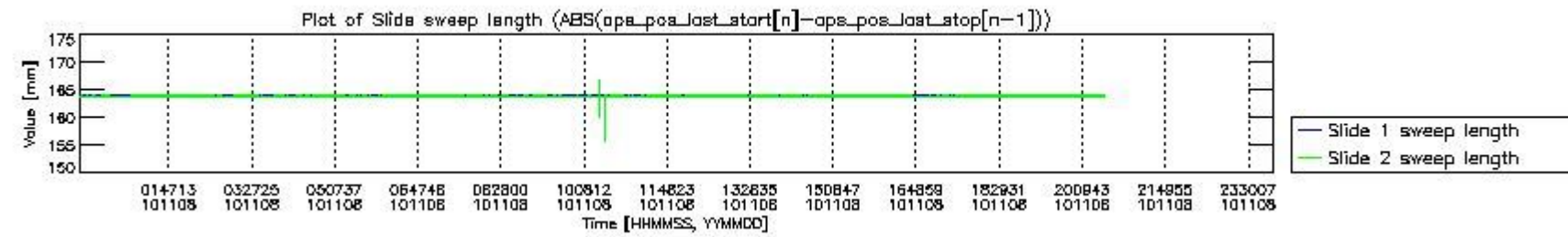
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101108\_4.PNG



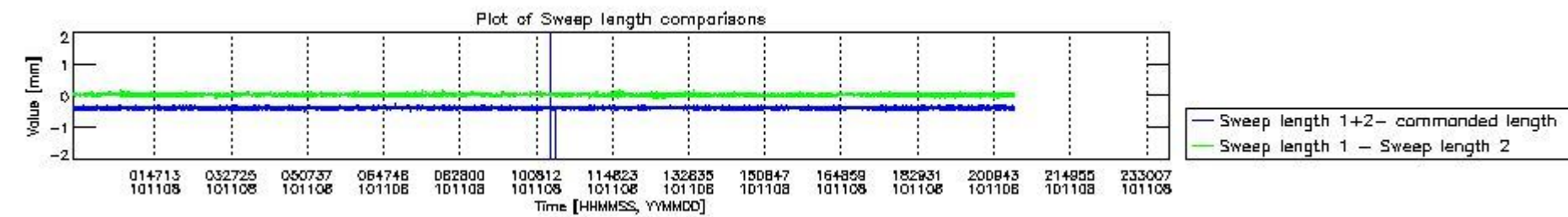
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101108\_5.PNG



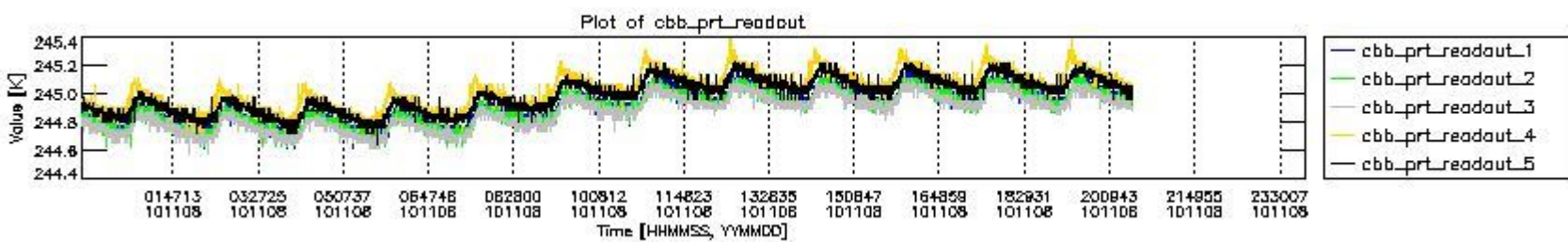
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101108\_6.PNG



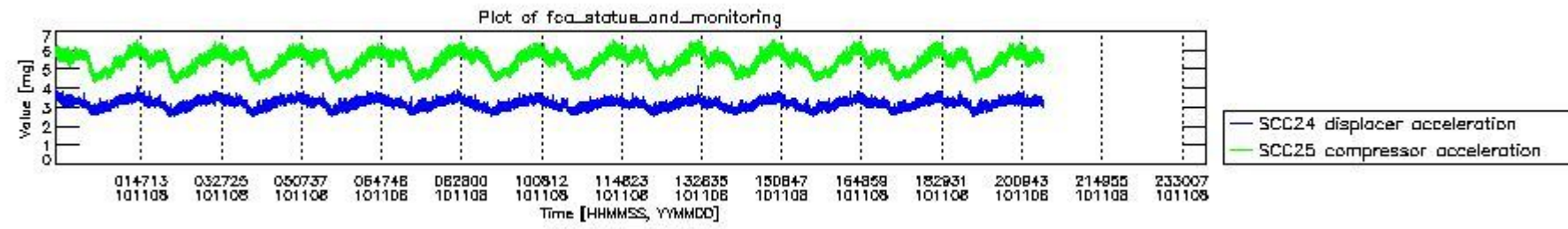
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101108\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101108\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101108\_9.PNG



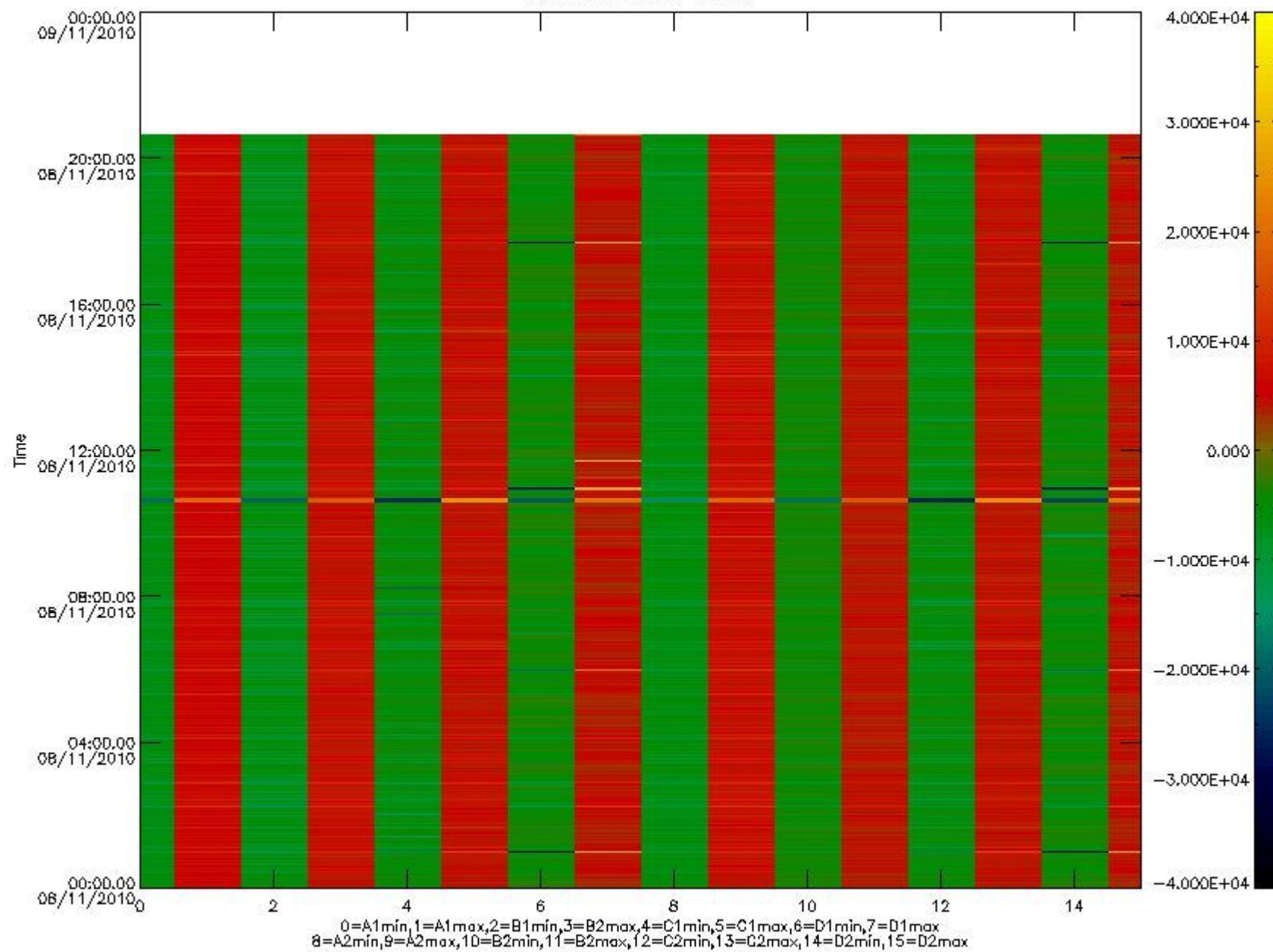
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101108\_10.PNG

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

Channel	Min	Max	ADC
A1	-18726	19937	16bit
B1	-20776	17858	16bit
C1	-25404	25305	16bit
D1	-32768	32767	16bit
A2	-16151	20036	16bit
B2	-18945	18496	16bit
C2	-26368	26035	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\_20101108\_11.PNG

### 0.3 ADF monitoring

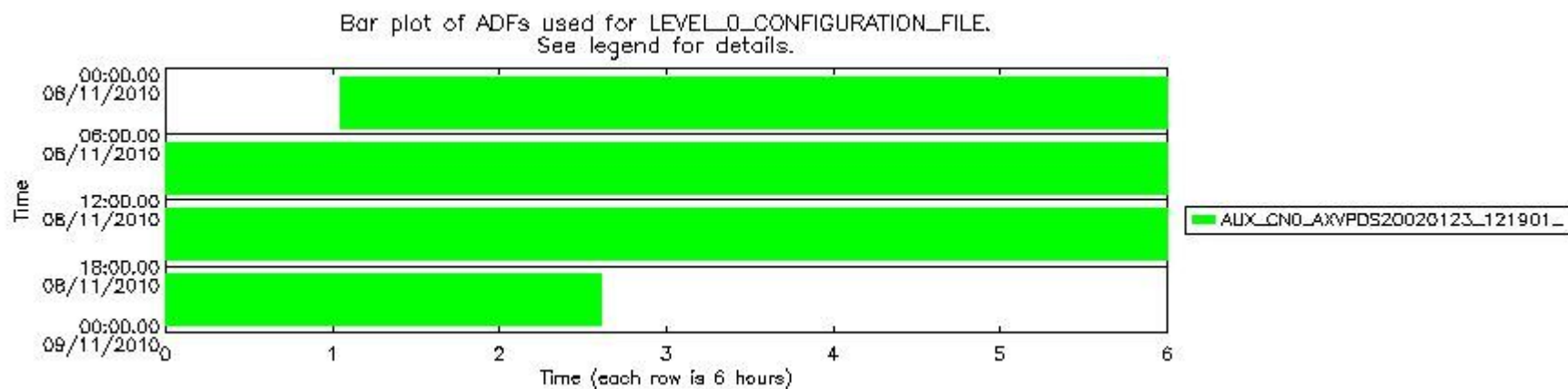
The use of ADFs is shown in two ways:

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.

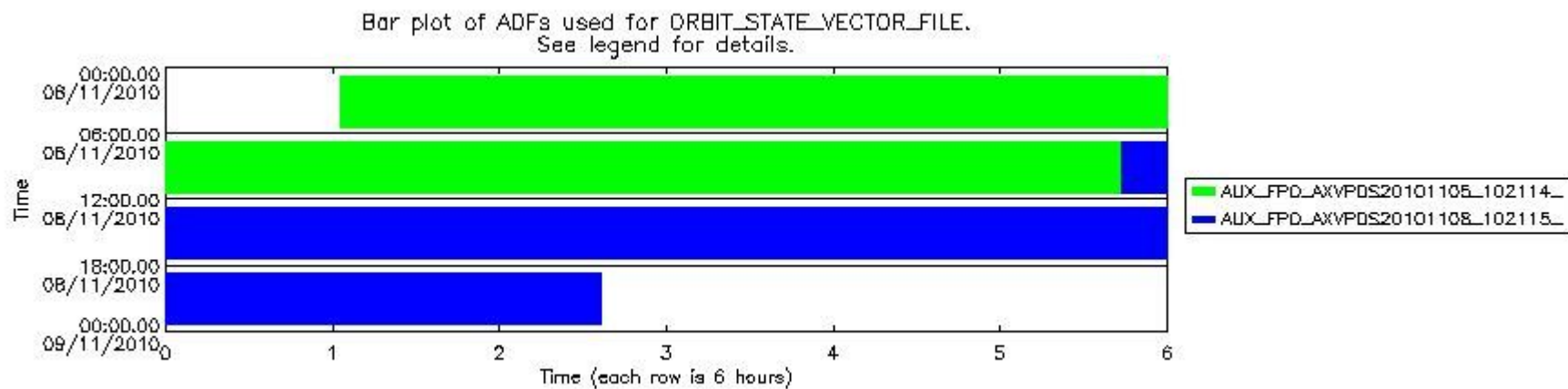
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101105_102114_20101104_184405_20101114_205801
2	AUX_FPO_AXVPDS20101108_102115_20101106_191053_20101116_212448

Number	Product name	#CN0	#FPO
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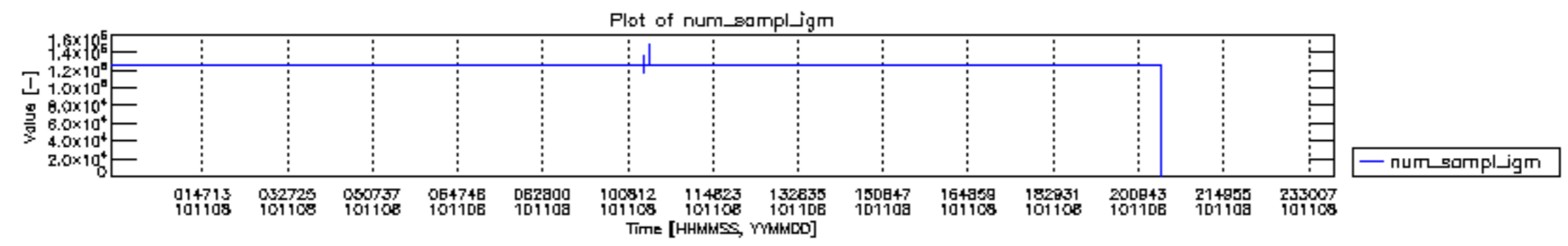
0	MIP_NL__0PNPDE20101108_010234_000103093096_00160_45433_1810.N1	0	1
1	MIP_NL__0PNPDE20101108_035352_000062073096_00162_45435_1811.N1	0	1
2	MIP_NL__0PNPDE20101108_053648_000060963096_00163_45436_1812.N1	0	1
3	MIP_NL__0PNPDK20101108_071750_000039573096_00164_45437_3216.N1	0	1
4	MIP_NL__0PNPDK20101108_082248_000060853096_00165_45438_3217.N1	0	1
5	MIP_NL__0PNPDK20101108_100315_000061223096_00166_45439_3218.N1	0	1
6	MIP_NL__0PNPDK20101108_114355_000059683096_00167_45440_3219.N1	0	2
7	MIP_NL__0PNPDK20101108_132227_000059143096_00168_45441_3220.N1	0	2
8	MIP_NL__0PNPDK20101108_150003_000059103096_00169_45442_3221.N1	0	2
9	MIP_NL__0PNPDK20101108_163759_000059163096_00170_45443_3222.N1	0	2
10	MIP_NL__0PNPDK20101108_181535_000059313096_00171_45444_3223.N1	0	2
11	MIP_NL__0PNPDE20101108_195235_000026133096_00172_45445_1813.N1	0	2

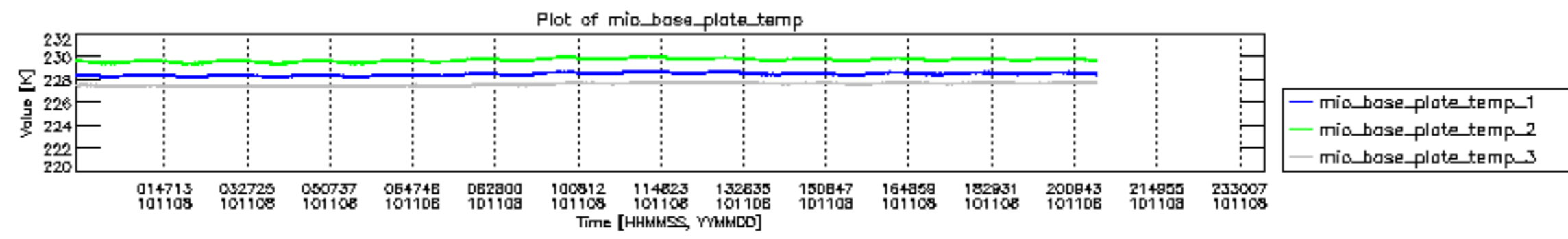


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101108\_12.PNG

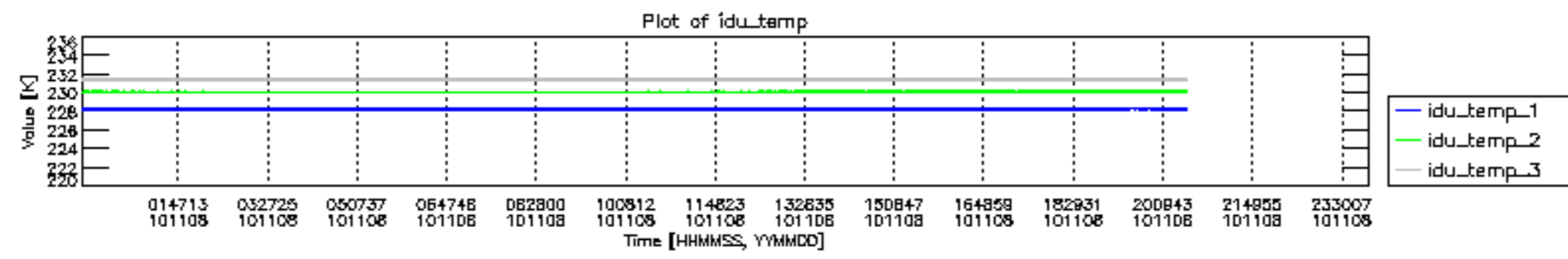


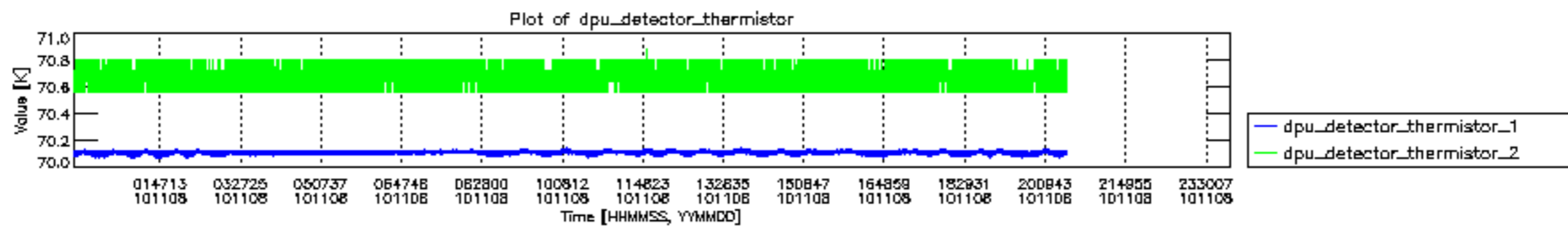
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101108\_13.PNG

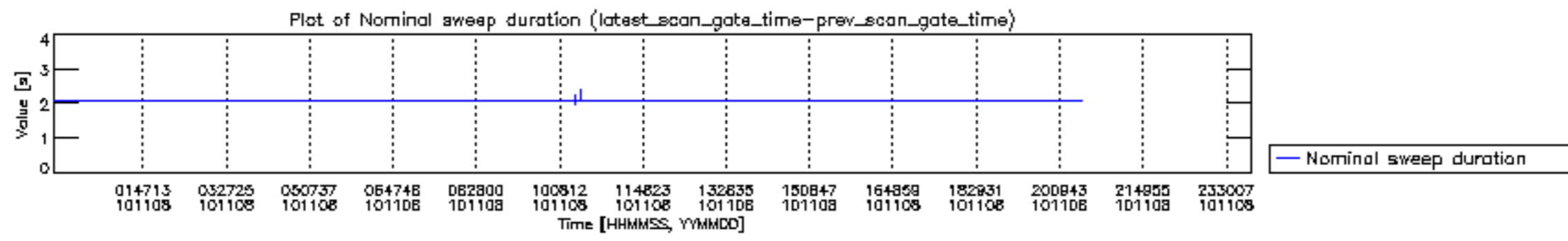


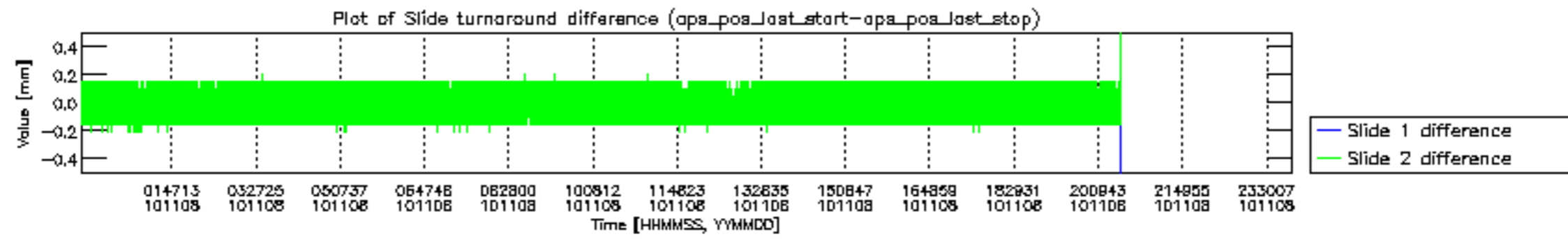


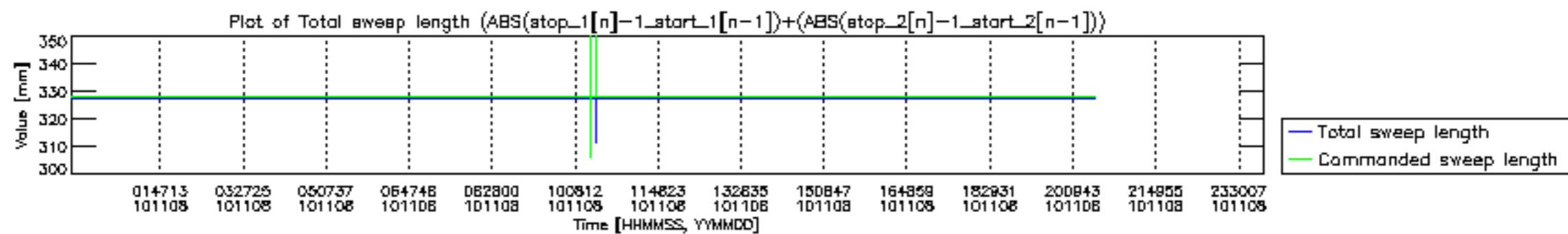




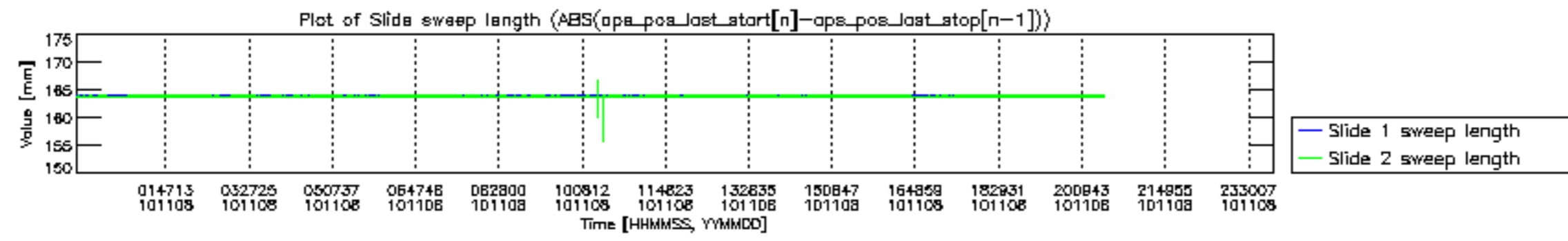


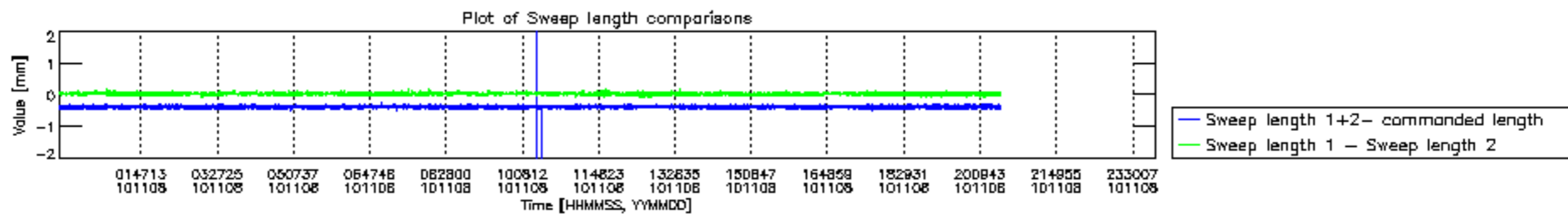


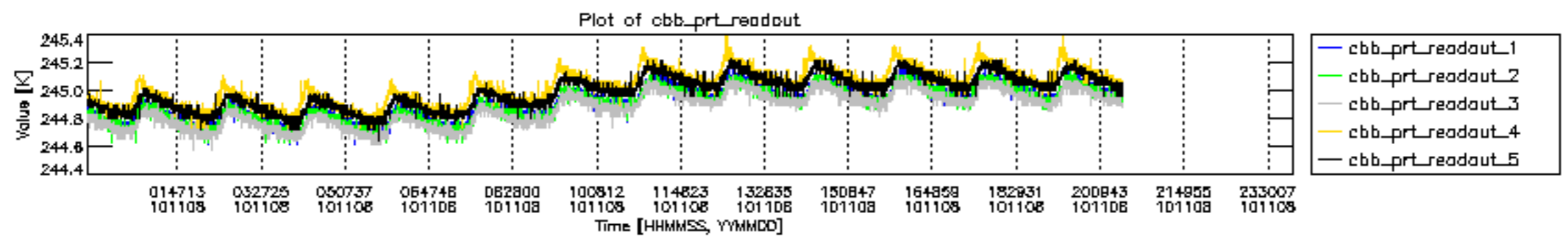


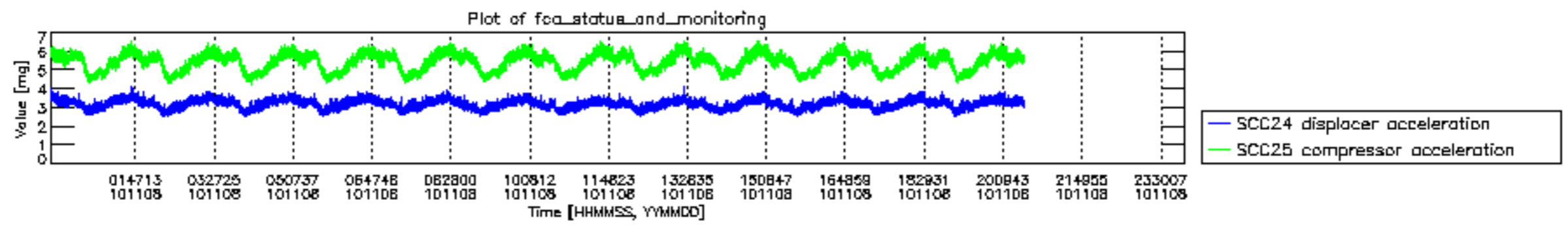












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

