

## 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	01SEP2011 05:23:42
Data source version	KSPT_L0/4504-N
Processing scope for products	27AUG2011 00:00:00 to 28AUG2011 00:00:00
Start time of first product within scope	27AUG2011 01:01:12
Stop time of last product within scope	28AUG2011 00:26:08
Total number of level 0 products	14
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__0PNPDE20110827_010112_000102463106_00045_49628_9526.N1	27AUG2011 01:01:12	27AUG2011 03:51:58	0	0	0	0	0
1	MIP_NL__0PNPDE20110827_035121_000062483106_00047_49630_9527.N1	27AUG2011 03:51:21	27AUG2011 05:35:29	0	0	0	0	0
2	MIP_NL__0PNPDE20110827_053451_000060663106_00048_49631_9528.N1	27AUG2011 05:34:51	27AUG2011 07:15:58	0	0	0	0	0
3	MIP_NL__0PNPDK20110827_071510_000040823106_00049_49632_6155.N1	27AUG2011 07:15:10	27AUG2011 08:23:12	0	0	0	0	0
4	MIP_NL__0PNPDK20110827_082234_000061003106_00050_49633_6156.N1	27AUG2011 08:22:34	27AUG2011 10:04:14	0	0	0	0	0
5	MIP_NL__0PNPDK20110827_100324_000059163106_00051_49634_6157.N1	27AUG2011 10:03:24	27AUG2011 11:42:00	0	0	0	0	0
6	MIP_NL__0PNPDK20110827_114112_000060253106_00052_49635_6158.N1	27AUG2011 11:41:12	27AUG2011 13:21:37	0	0	0	0	0
7	MIP_NL__0PNPDK20110827_132101_000059373106_00053_49636_6159.N1	27AUG2011 13:21:01	27AUG2011 14:59:58	0	0	0	0	0
8	MIP_NL__0PNPDK20110827_145904_000059313106_00054_49637_6160.N1	27AUG2011 14:59:04	27AUG2011 16:37:55	0	0	0	0	0
9	MIP_NL__0PNPDK20110827_163658_000059293106_00055_49638_6161.N1	27AUG2011 16:36:58	27AUG2011 18:15:47	0	0	0	0	0
10	MIP_NL__0PNPDK20110827_181446_000059833106_00056_49639_6162.N1	27AUG2011 18:14:46	27AUG2011 19:54:29	0	0	0	0	0
11	MIP_NL__0PNPDE20110827_195312_000040093106_00057_49640_9529.N1	27AUG2011 19:53:12	27AUG2011 21:00:01	0	0	0	0	0
12	MIP_NL__0PNPDE20110827_205806_000065263106_00057_49640_9530.N1	27AUG2011 20:58:06	27AUG2011 22:46:52	0	0	0	0	0
13	MIP_NL__0PNPDE20110827_224553_000060143106_00058_49641_9531.N1	27AUG2011 22:45:53	28AUG2011 00:26:08	0	0	0	0	0

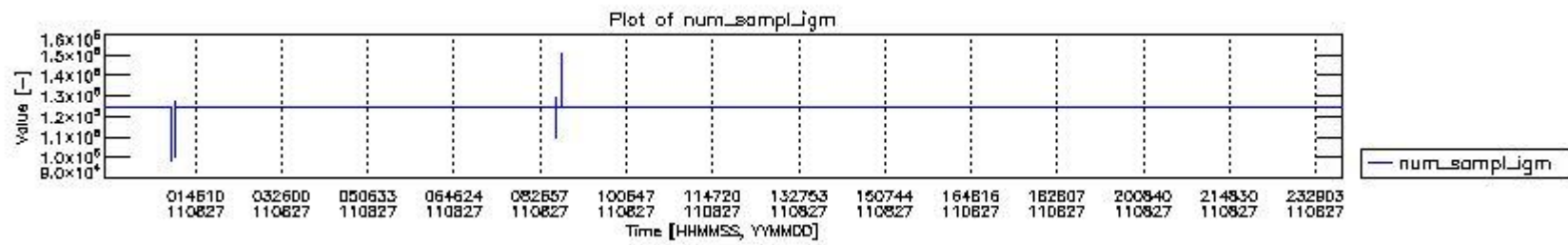
## 0.2 Instrument Operational Performance Parameters

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.

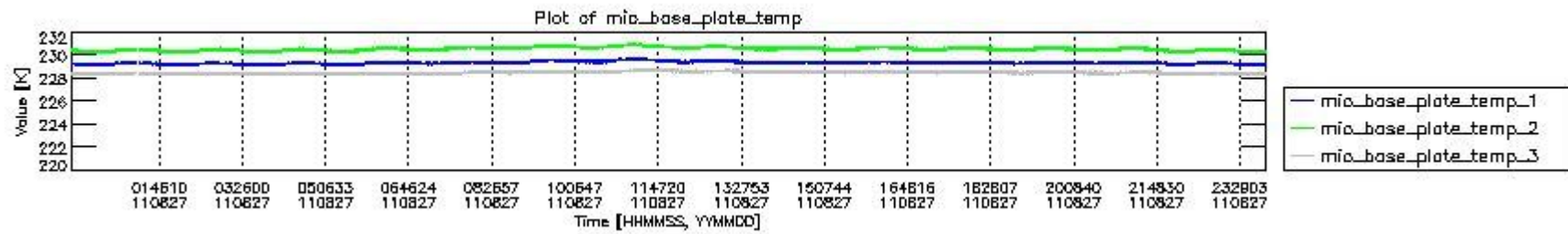
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98058	1	0.0024079559
100706	1	0.0024079559
101363	1	0.0024079559
109466	1	0.0024079559

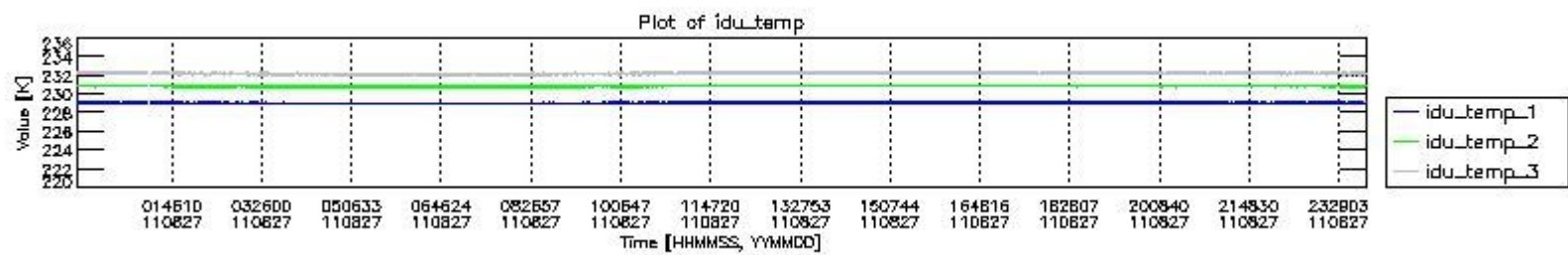
114264	1	0.0024079559
121495	1	0.0024079559
124800	38732	93.264947
124803	2785	6.7061571
125958	1	0.0024079559
127116	1	0.0024079559
127679	1	0.0024079559
129598	1	0.0024079559
147811	1	0.0024079559
150690	1	0.0024079559



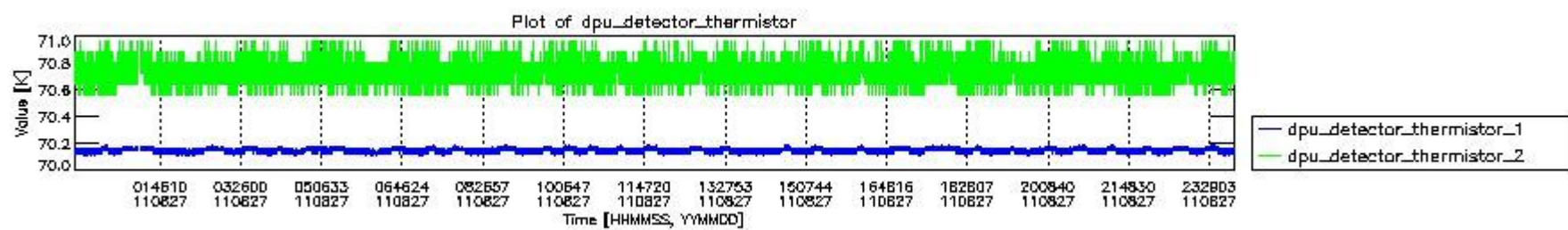
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110827\_0.PNG



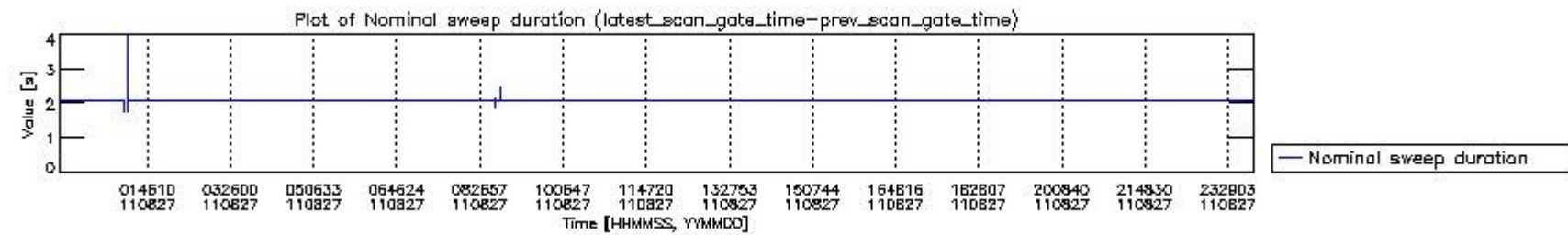
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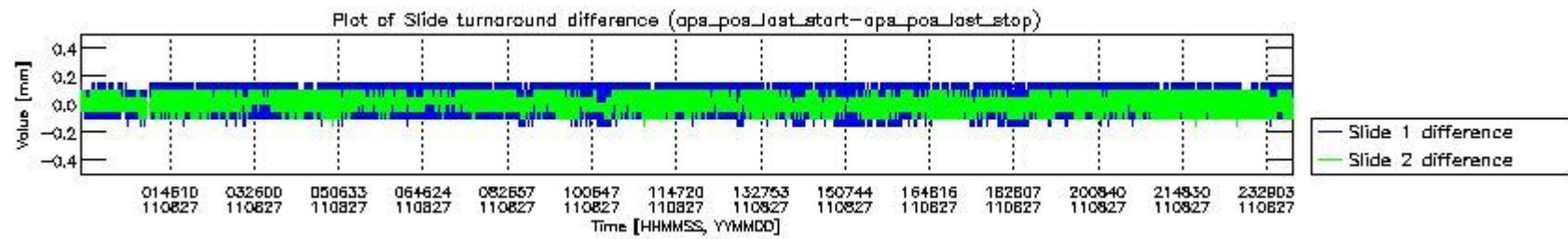
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110827\_2.PNG



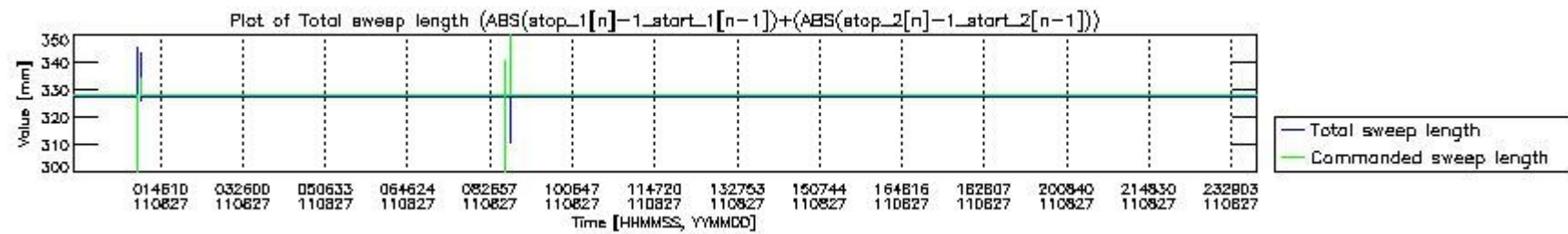
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110827\_3.PNG



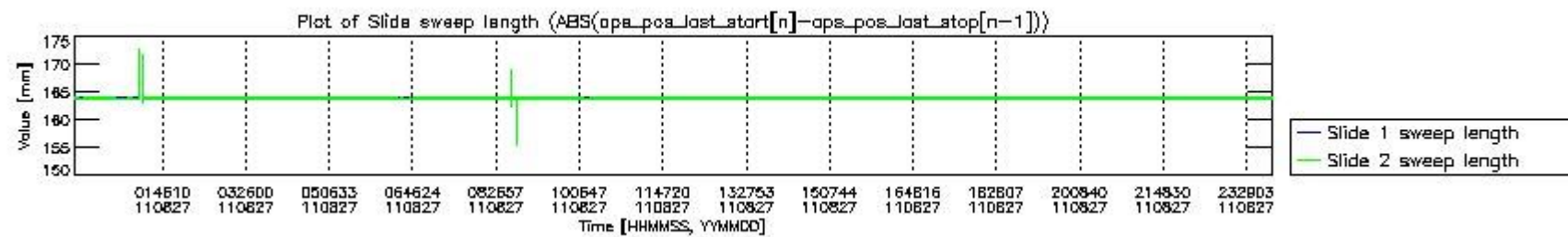
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110827\_4.PNG



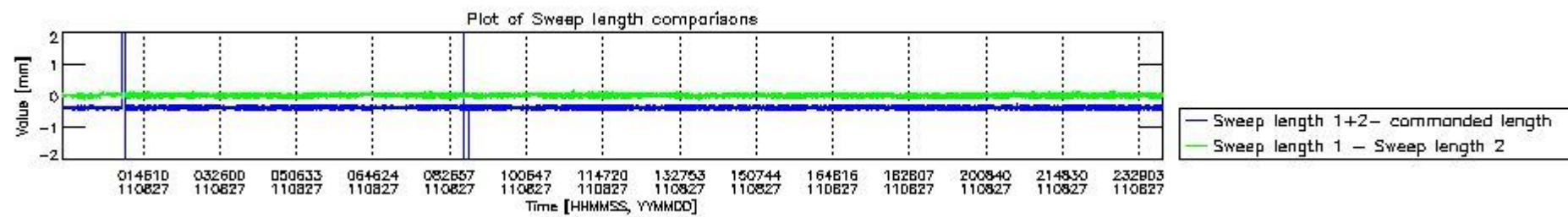
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110827\_5.PNG



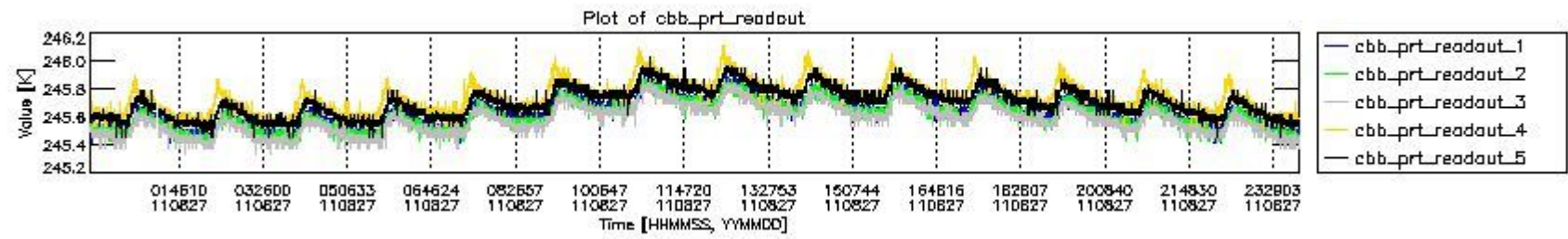
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110827\_6.PNG



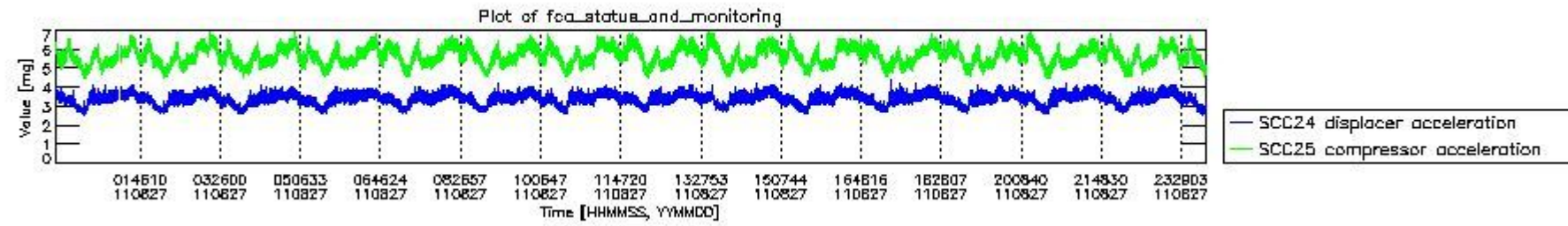
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110827\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110827\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110827\_9.PNG

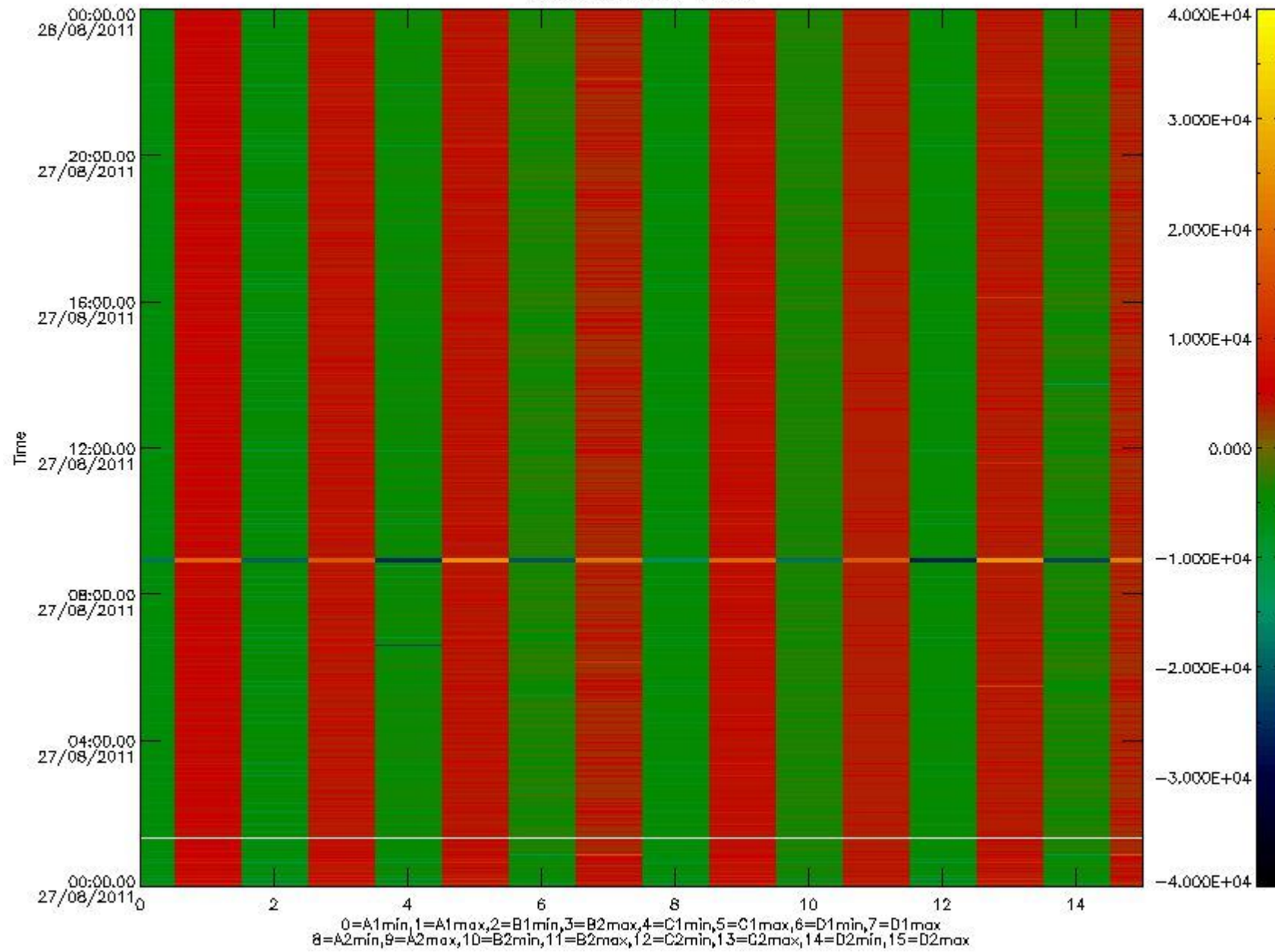


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110827\_10.PNG

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

Channel	Min	Max	ADC
A1	-18178	19252	16bit
B1	-20620	17740	16bit
C1	-25808	25696	16bit
D1	-32768	32767	16bit
A2	-15794	19470	16bit
B2	-18864	18531	16bit
C2	-26871	26456	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\_20110827\_11.PNG

### 0.3 ADF monitoring

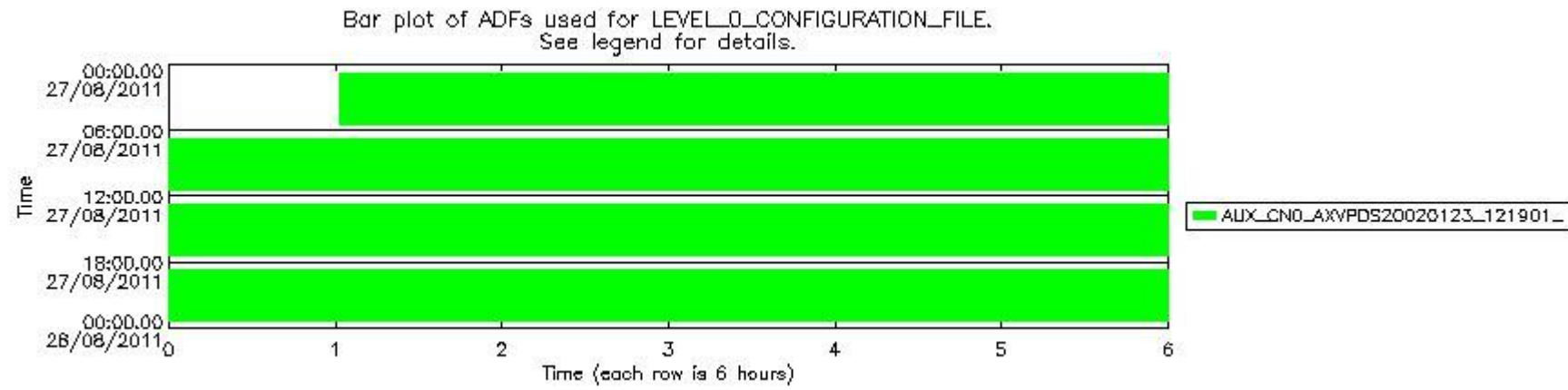
The use of ADFs is shown in two ways:

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.

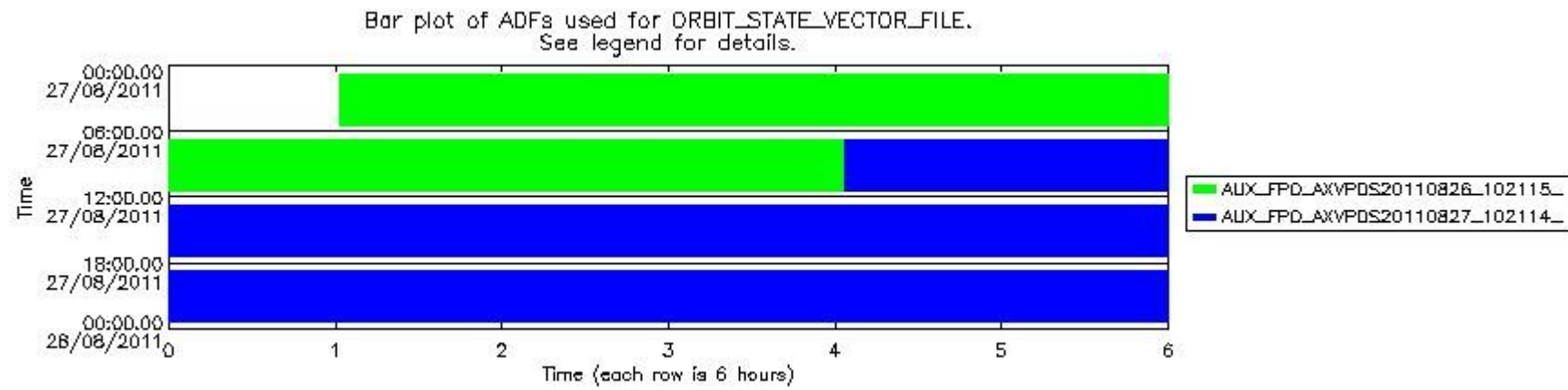
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110826_102115_20110825_190943_20110904_212328
2	AUX_FPO_AXVPDS20110827_102114_20110826_183258_20110905_204644

Number	Product name	#CN0	#FPO
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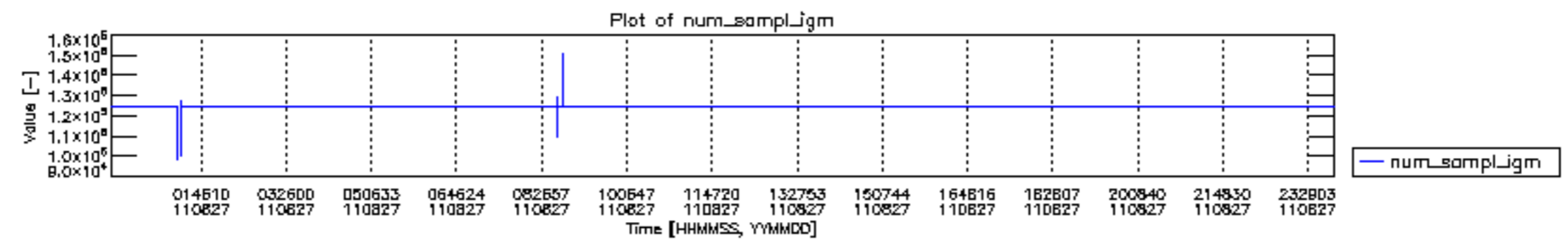
0	MIP_NL__0PNPDE20110827_010112_000102463106_00045_49628_9526.N1	0	1
1	MIP_NL__0PNPDE20110827_035121_000062483106_00047_49630_9527.N1	0	1
2	MIP_NL__0PNPDE20110827_053451_000060663106_00048_49631_9528.N1	0	1
3	MIP_NL__0PNPDK20110827_071510_000040823106_00049_49632_6155.N1	0	1
4	MIP_NL__0PNPDK20110827_082234_000061003106_00050_49633_6156.N1	0	1
5	MIP_NL__0PNPDK20110827_100324_000059163106_00051_49634_6157.N1	0	2
6	MIP_NL__0PNPDK20110827_114112_000060253106_00052_49635_6158.N1	0	2
7	MIP_NL__0PNPDK20110827_132101_000059373106_00053_49636_6159.N1	0	2
8	MIP_NL__0PNPDK20110827_145904_000059313106_00054_49637_6160.N1	0	2
9	MIP_NL__0PNPDK20110827_163658_000059293106_00055_49638_6161.N1	0	2
10	MIP_NL__0PNPDK20110827_181446_000059833106_00056_49639_6162.N1	0	2
11	MIP_NL__0PNPDE20110827_195312_000040093106_00057_49640_9529.N1	0	2
12	MIP_NL__0PNPDE20110827_205806_000065263106_00057_49640_9530.N1	0	2
13	MIP_NL__0PNPDE20110827_224553_000060143106_00058_49641_9531.N1	0	2

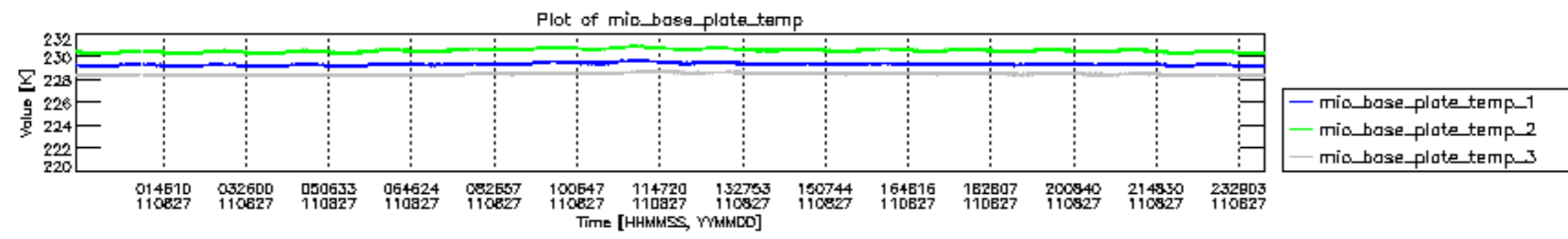


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110827\_12.PNG

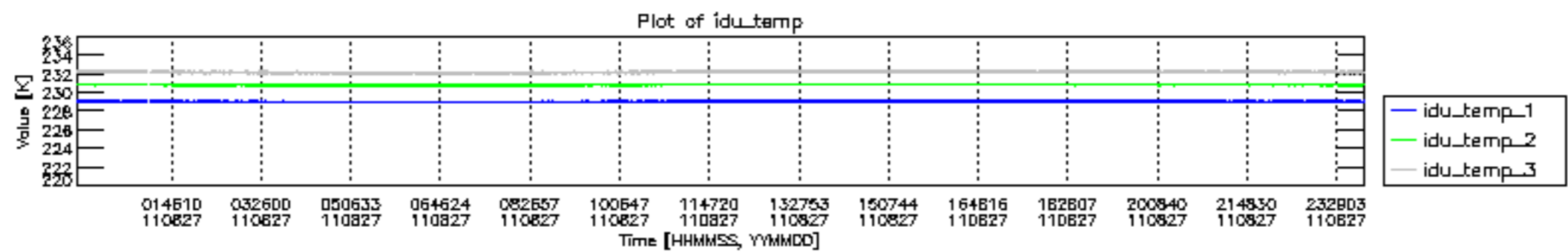


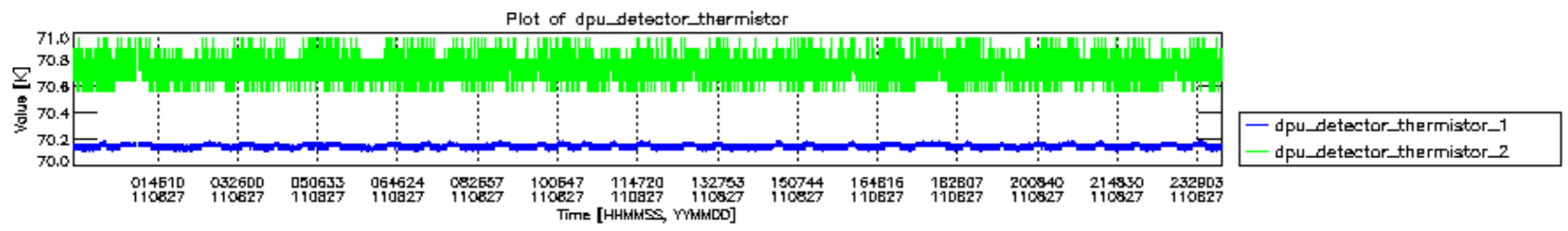
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110827\_13.PNG

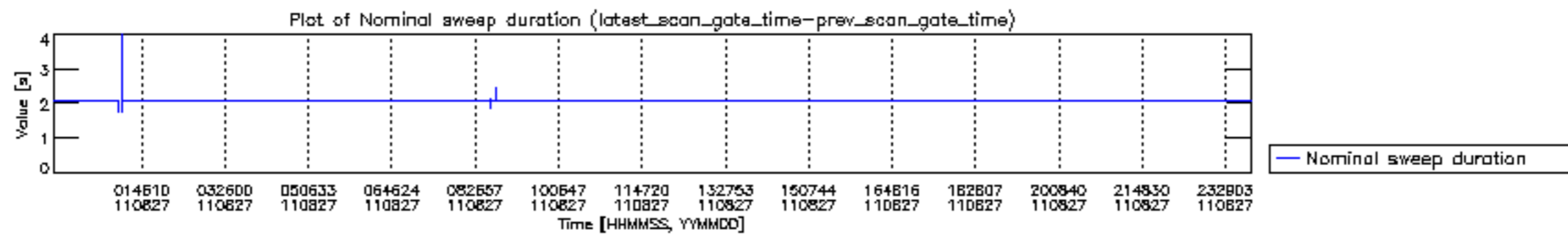


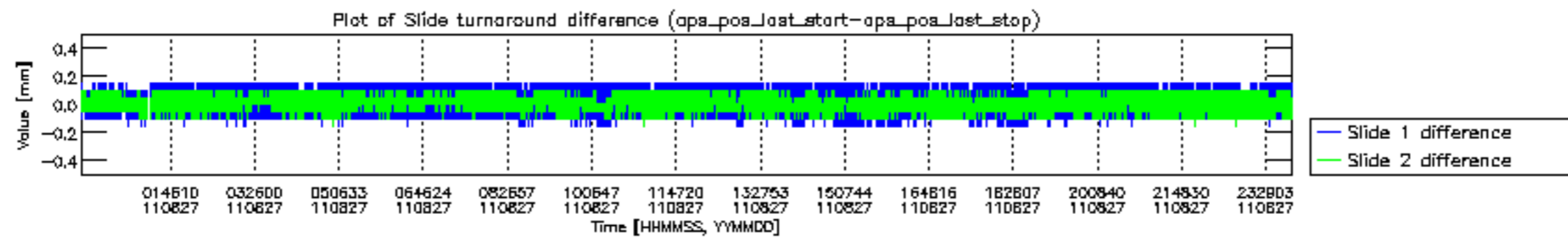


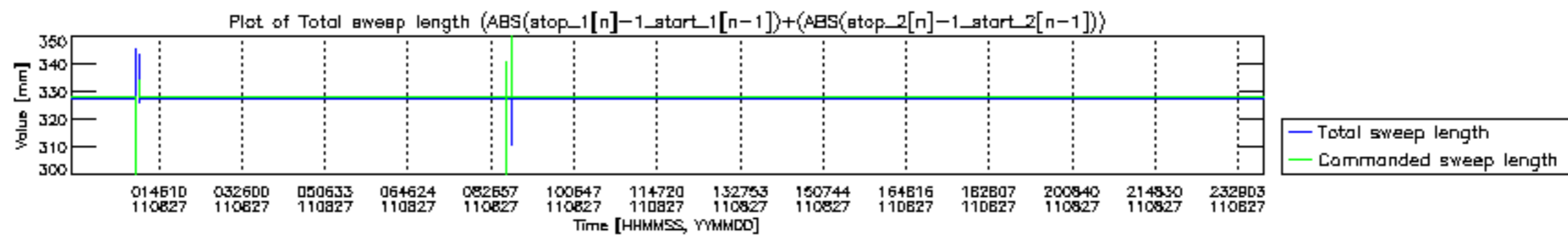


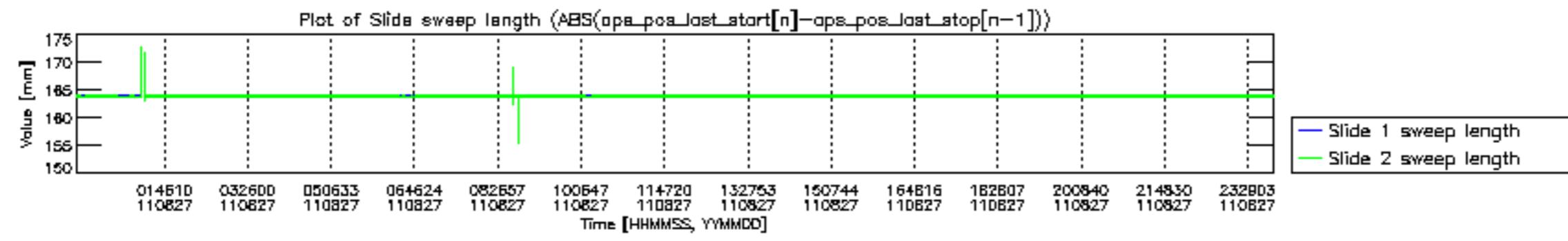


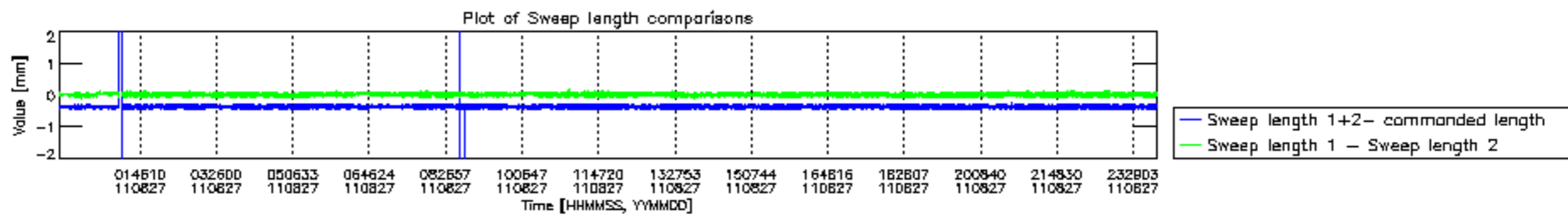


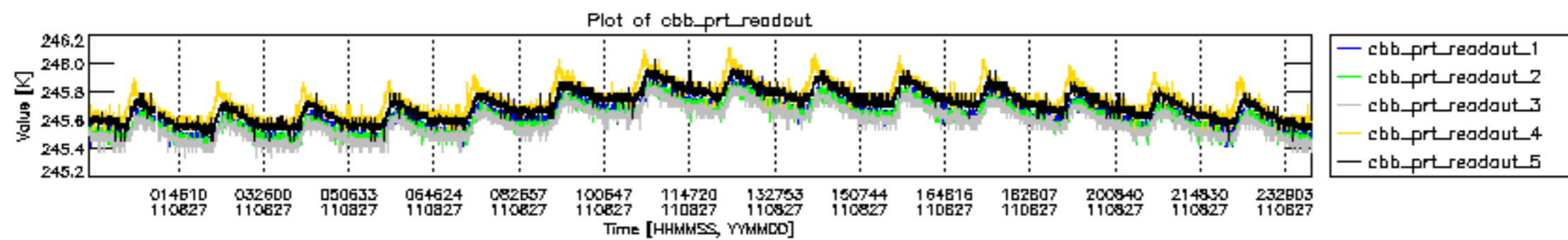




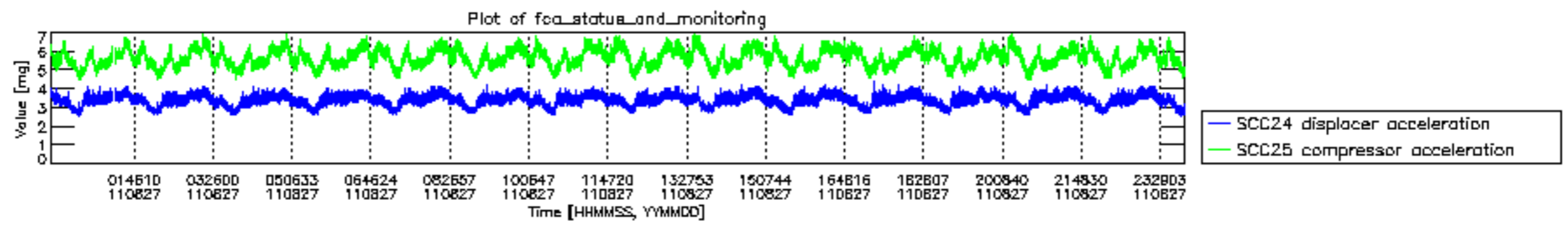












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

