

## 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	01NOV2011 05:23:51
Data source version	KSPT_L0/4504-N
Processing scope for products	27OCT2011 00:00:00 to 28OCT2011 00:00:00
Start time of first product within scope	27OCT2011 06:39:18
Stop time of last product within scope	28OCT2011 01:28:20
Total number of level 0 products	10
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.

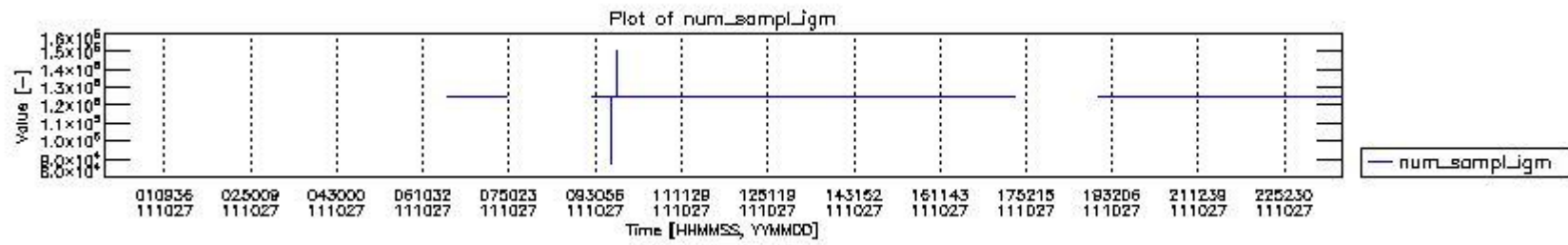
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDK20111027_063918_000040863108_00063_50508_7360.N1	27OCT2011 06:39:18	27OCT2011 07:47:24	0	0	0	0	0
1	MIP_NL__0PNPDK20111027_092630_000059913108_00065_50510_7362.N1	27OCT2011 09:26:30	27OCT2011 11:06:20	0	0	0	0	0
2	MIP_NL__0PNPDK20111027_110453_000060023108_00066_50511_7363.N1	27OCT2011 11:04:53	27OCT2011 12:44:54	0	0	0	0	0
3	MIP_NL__0PNPDK20111027_124356_000059743108_00067_50512_7364.N1	27OCT2011 12:43:56	27OCT2011 14:23:30	0	0	0	0	0
4	MIP_NL__0PNPDK20111027_142230_000060203108_00068_50513_7365.N1	27OCT2011 14:22:30	27OCT2011 16:02:50	0	0	0	0	0
5	MIP_NL__0PNPDK20111027_160114_000059223108_00069_50514_7366.N1	27OCT2011 16:01:14	27OCT2011 17:39:56	0	0	0	0	0
6	MIP_NL__0PNPDK20111027_191730_000060213108_00071_50516_7369.N1	27OCT2011 19:17:30	27OCT2011 20:57:51	0	0	0	0	0
7	MIP_NL__0PNPDE20111027_205604_000043283108_00072_50517_9881.N1	27OCT2011 20:56:04	27OCT2011 22:08:12	0	0	0	0	0
8	MIP_NL__0PNPDE20111027_220708_000061673108_00072_50517_9882.N1	27OCT2011 22:07:08	27OCT2011 23:49:54	0	0	0	0	0
9	MIP_NL__0PNPDE20111027_234848_000059733108_00073_50518_9883.N1	27OCT2011 23:48:48	28OCT2011 01:28:20	0	0	0	0	0

## 0.2 Instrument Operational Performance Parameters

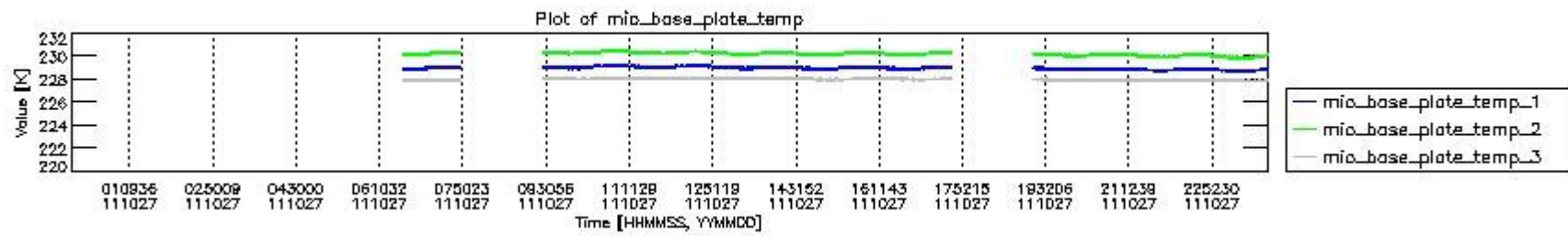
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP\_NL\_\_0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

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

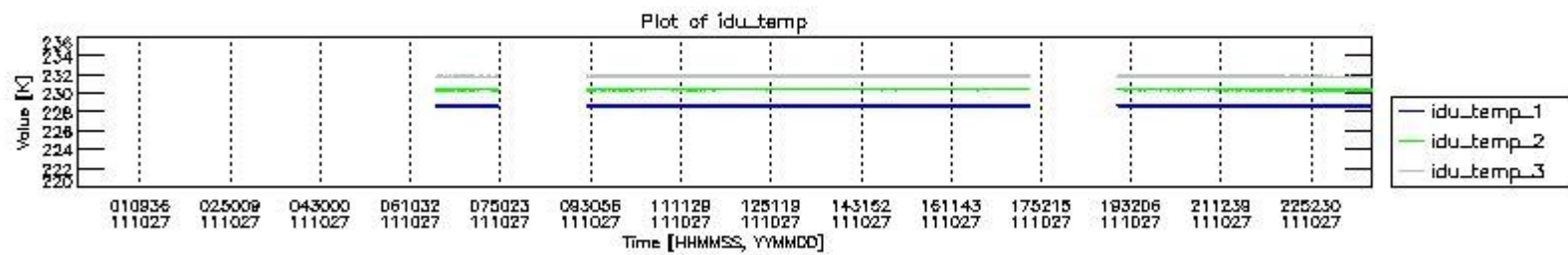
Number of igm samples	Count [#]	Count [%]
87204	1	0.0041037426
95936	1	0.0041037426
116068	1	0.0041037426
124800	22648	92.941563
124803	1714	7.0338148
127456	1	0.0041037426
147588	1	0.0041037426
150244	1	0.0041037426



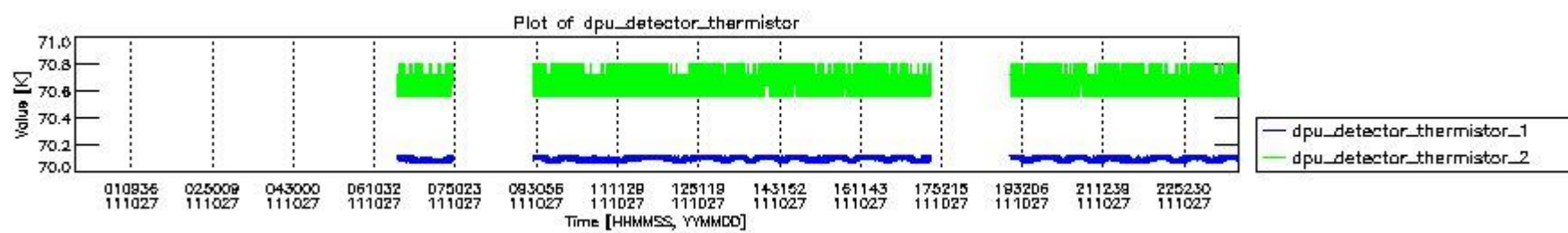
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111027\_0.PNG



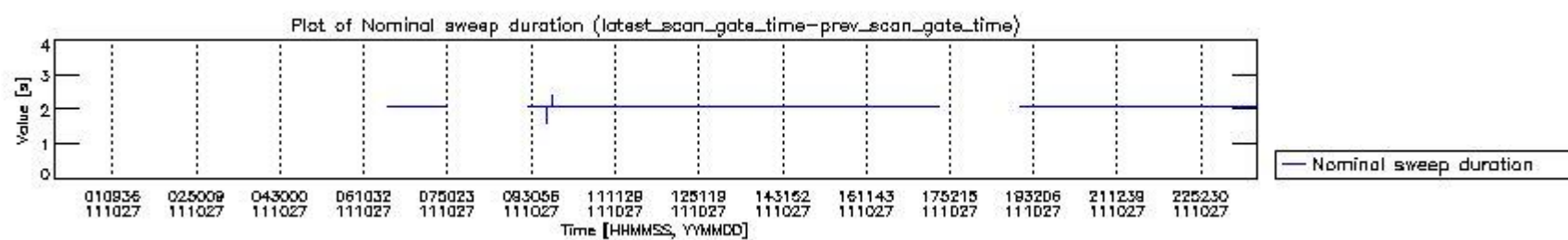
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111027\_1.PNG



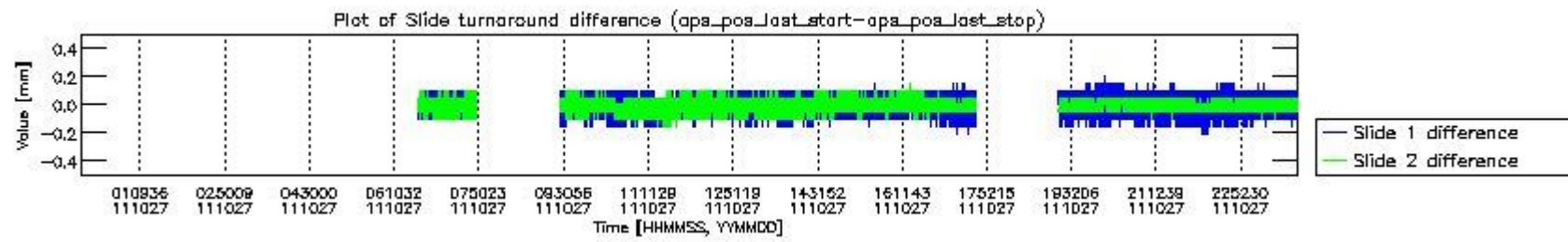
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111027\_2.PNG



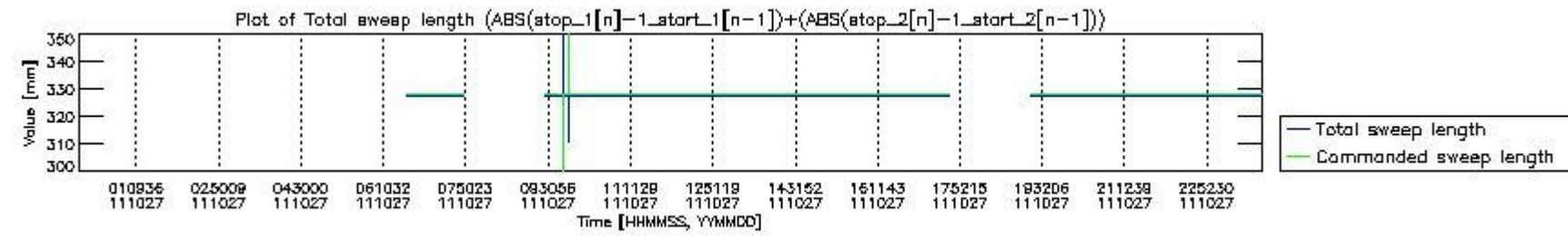
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111027\_3.PNG



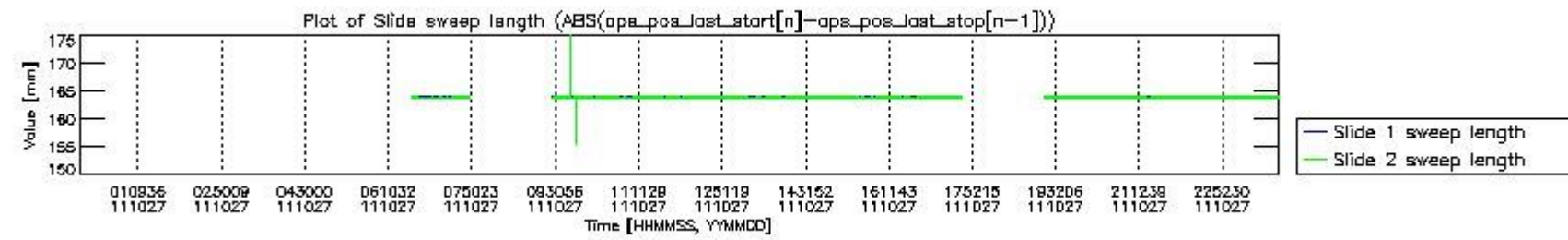
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111027\_4.PNG



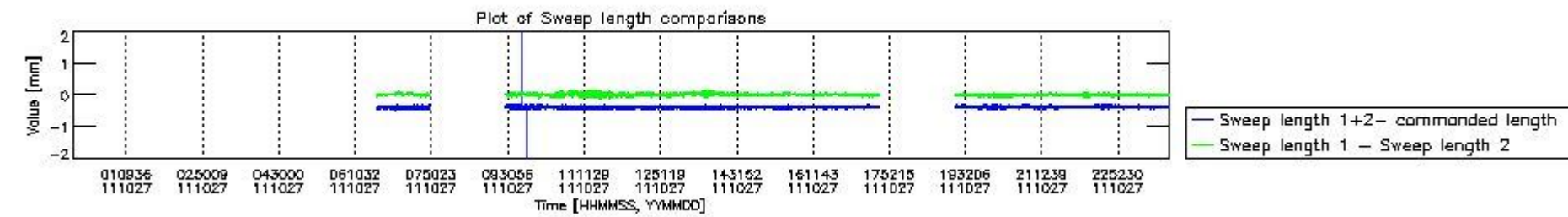
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111027\_5.PNG



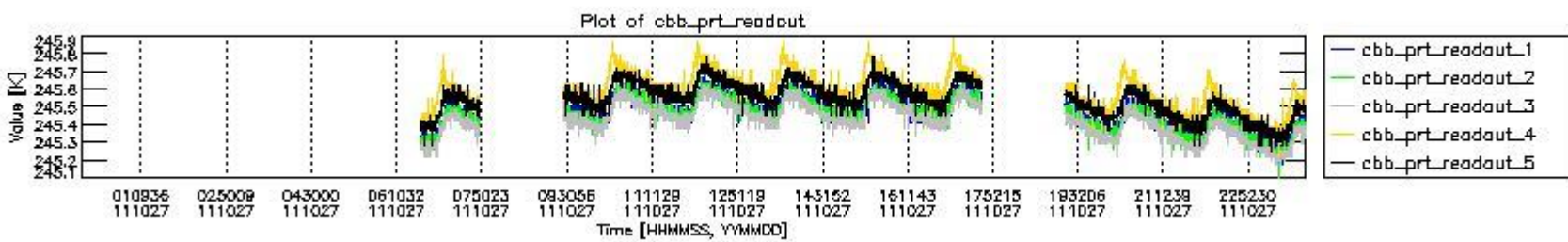
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111027\_6.PNG



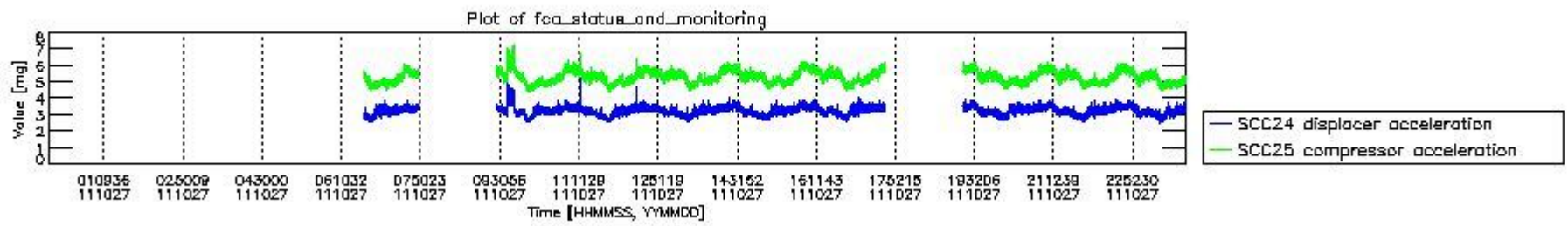
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111027\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111027\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111027\_9.PNG

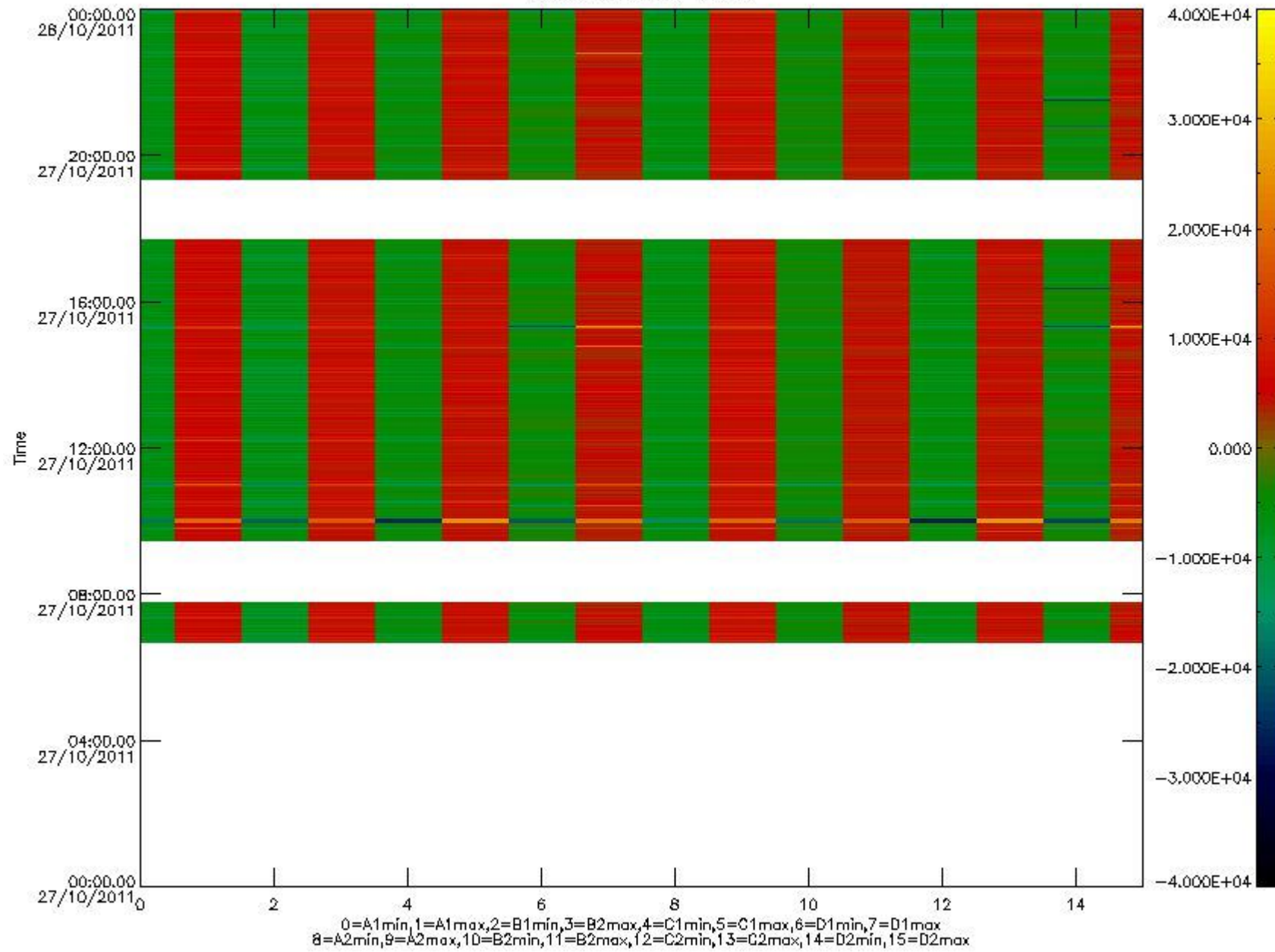


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111027\_10.PNG

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

Channel	Min	Max	ADC
A1	-18566	19705	16bit
B1	-20824	17877	16bit
C1	-25777	25661	16bit
D1	-32768	32767	16bit
A2	-16023	19828	16bit
B2	-18841	18456	16bit
C2	-26853	26433	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\_20111027\_11.PNG

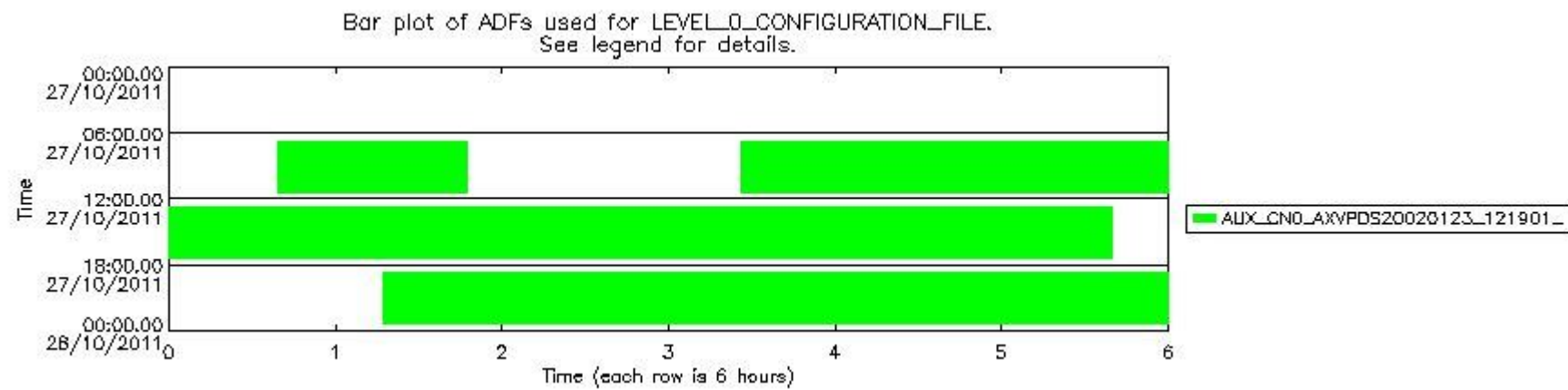
### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

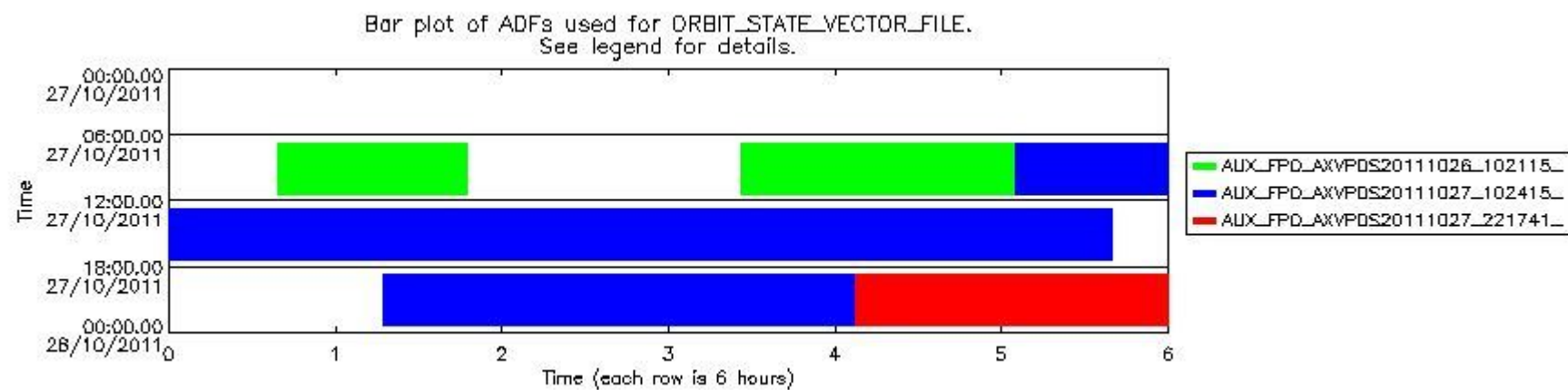
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111026_102115_20111025_183333_20111104_204716
2	AUX_FPO_AXVPDS20111027_102415_20111026_193702_20111105_201032
3	AUX_FPO_AXVPDS20111027_221741_20111027_085854_20111106_111237

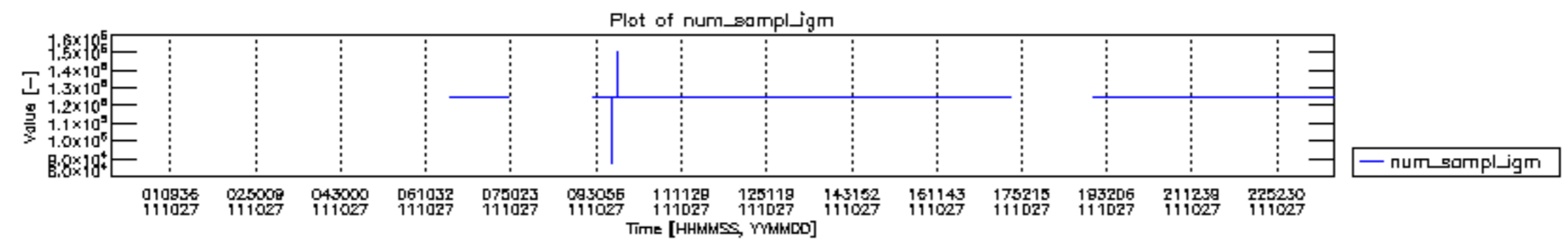
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDK20111027_063918_000040863108_00063_50508_7360.N1	0	1
1	MIP_NL__0PNPDK20111027_092630_000059913108_00065_50510_7362.N1	0	1
2	MIP_NL__0PNPDK20111027_110453_000060023108_00066_50511_7363.N1	0	2
3	MIP_NL__0PNPDK20111027_124356_000059743108_00067_50512_7364.N1	0	2
4	MIP_NL__0PNPDK20111027_142230_000060203108_00068_50513_7365.N1	0	2
5	MIP_NL__0PNPDK20111027_160114_000059223108_00069_50514_7366.N1	0	2
6	MIP_NL__0PNPDK20111027_191730_000060213108_00071_50516_7369.N1	0	2
7	MIP_NL__0PNPDE20111027_205604_000043283108_00072_50517_9881.N1	0	2
8	MIP_NL__0PNPDE20111027_220708_000061673108_00072_50517_9882.N1	0	3
9	MIP_NL__0PNPDE20111027_234848_000059733108_00073_50518_9883.N1	0	3

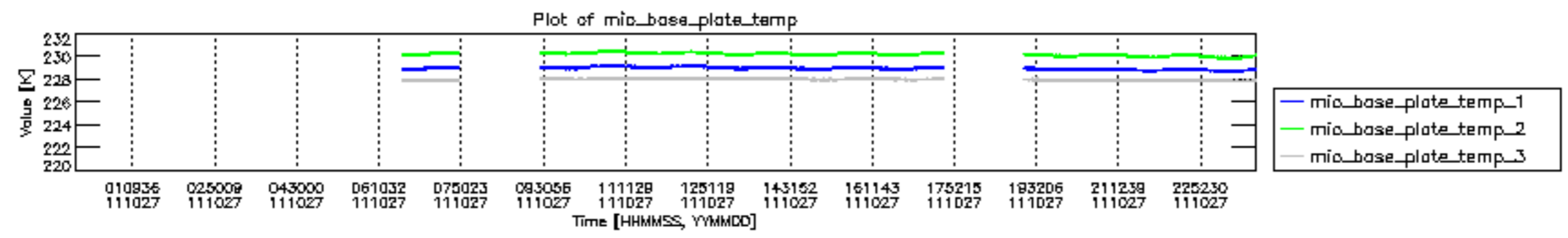


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111027\_12.PNG

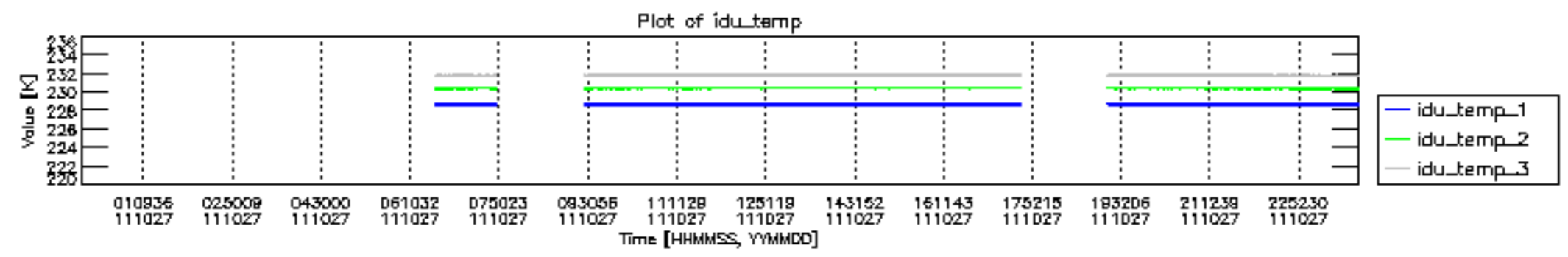


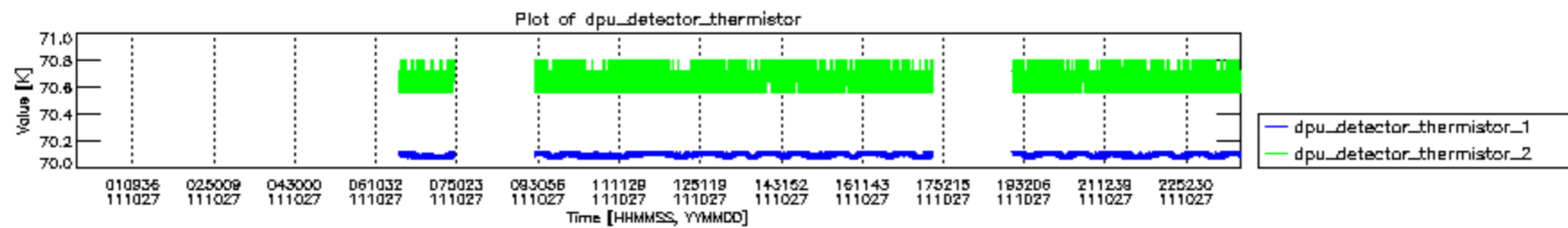
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111027\_13.PNG

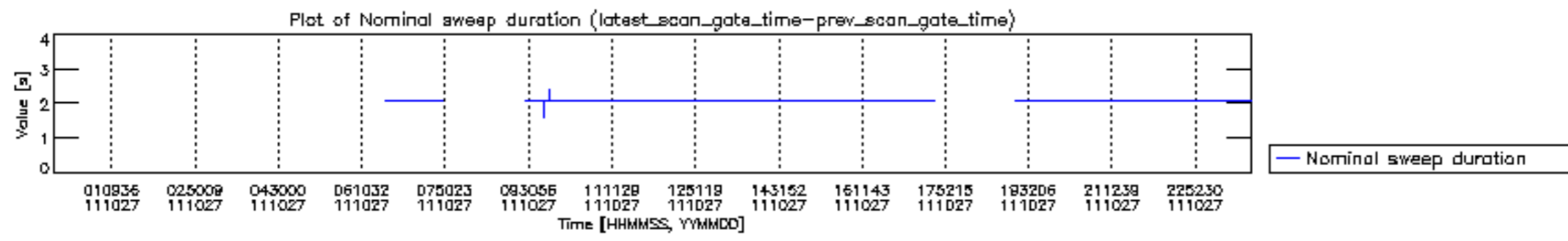


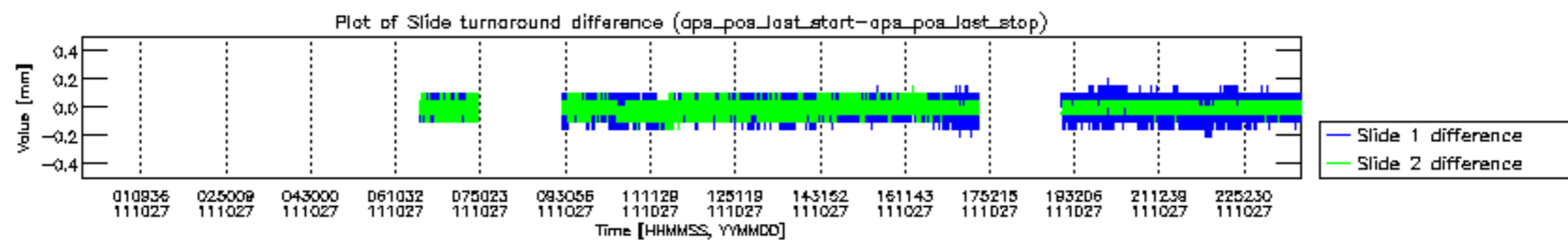


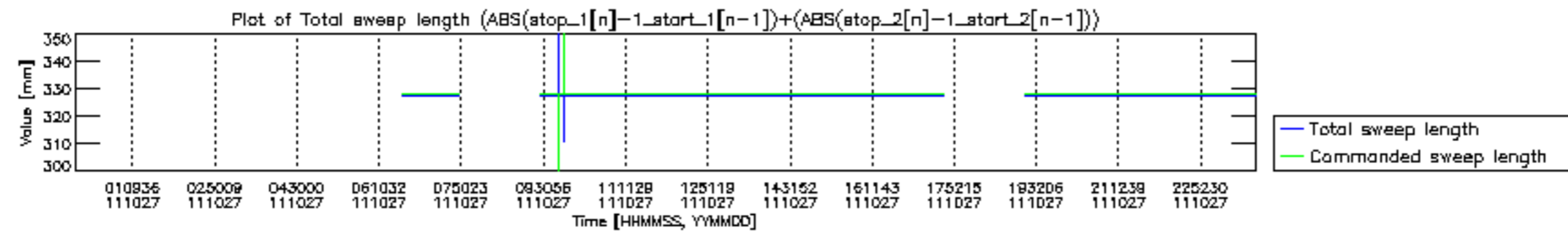


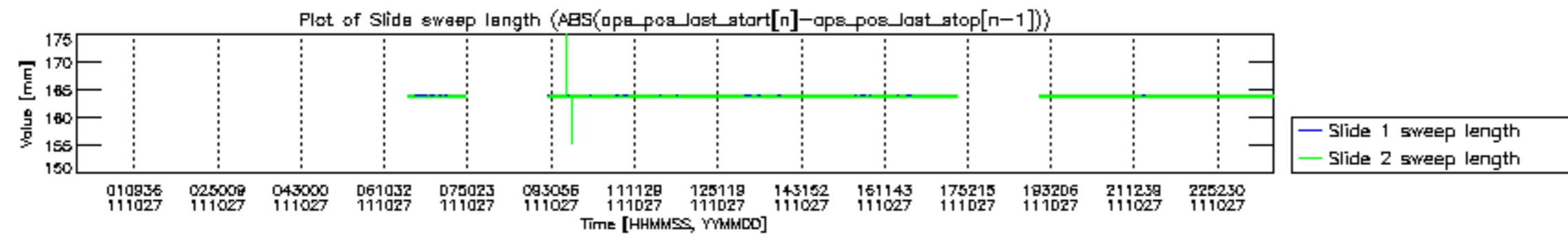


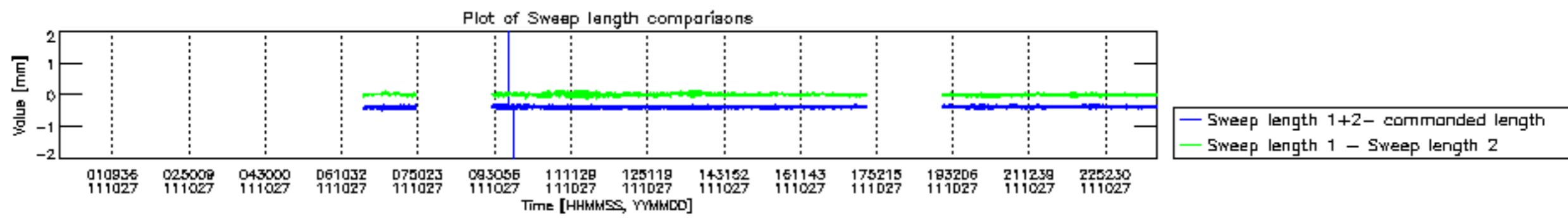


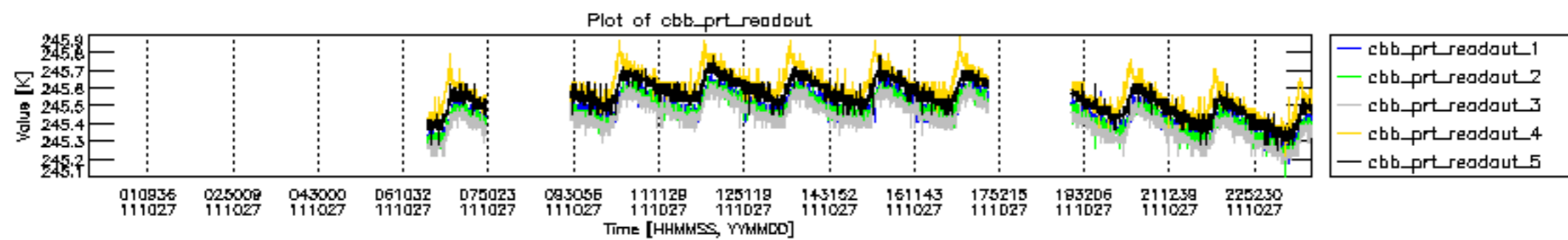




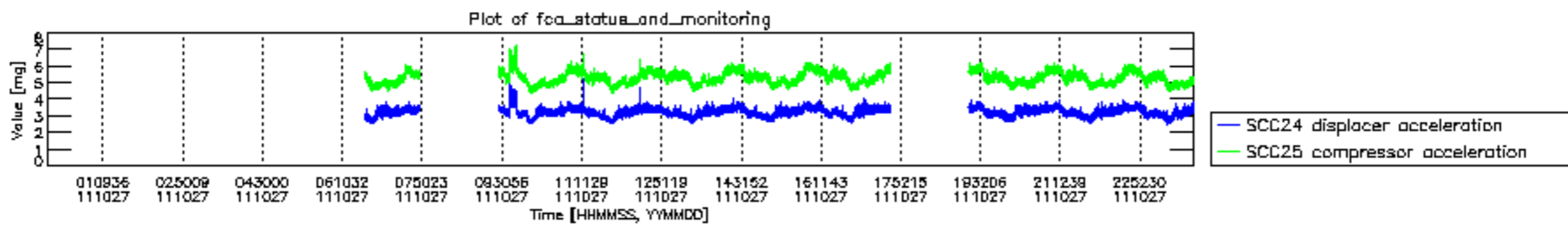












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

