

## 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	08NOV2011 05:24:50
Data source version	KSPT_L0/4504-N
Processing scope for products	03NOV2011 00:00:00 to 04NOV2011 00:00:00
Start time of first product within scope	03NOV2011 01:09:51
Stop time of last product within scope	03NOV2011 22:53:12
Total number of level 0 products	14
Number of level 0 products with errors	1

### 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__0PNPDE20111103_010951_000102453108_00160_50605_9929.N1	03NOV2011 01:09:51	03NOV2011 04:00:35	0	0	0	0	0
1	MIP_NL__0PNPDE20111103_015203_000077133108_00161_50606_9931.N1	03NOV2011 01:52:03	03NOV2011 04:00:35	0	0	0	0	0
2	MIP_NL__0PNPDE20111103_040002_000061633108_00162_50607_9932.N1	03NOV2011 04:00:02	03NOV2011 05:42:45	0	0	0	0	0
3	MIP_NL__0PNPDE20111103_054211_000061483108_00163_50608_9933.N1	03NOV2011 05:42:11	03NOV2011 07:24:39	0	0	0	0	0
4	MIP_NL__0PNPDK20111103_072406_000039273108_00164_50609_7422.N1	03NOV2011 07:24:06	03NOV2011 08:29:33	0	0	0	0	0
5	MIP_NL__0PNPDK20111103_082835_000060733108_00165_50610_7423.N1	03NOV2011 08:28:35	03NOV2011 10:09:48	0	0	0	0	0
6	MIP_NL__0PNPDK20111103_100812_000060243108_00166_50611_7424.N1	03NOV2011 10:08:12	03NOV2011 11:48:35	0	0	0	0	0
7	MIP_NL__0PNPDK20111103_114731_000061423108_00167_50612_7425.N1	03NOV2011 11:47:31	03NOV2011 13:29:52	0	0	0	0	0
8	MIP_NL__0PNPDK20111103_132814_000059813108_00168_50613_7426.N1	03NOV2011 13:28:14	03NOV2011 15:07:55	0	0	0	0	0
9	MIP_NL__0PNPDK20111103_150613_000059123108_00169_50614_7427.N1	03NOV2011 15:06:13	03NOV2011 16:44:45	0	0	0	0	0
10	MIP_NL__0PNPDK20111103_164401_000058833108_00170_50615_7428.N1	03NOV2011 16:44:01	03NOV2011 18:22:03	0	0	0	0	0
11	MIP_NL__0PNPDK20111103_182103_000058763108_00171_50616_7430.N1	03NOV2011 18:21:03	03NOV2011 19:58:59	1	1	0	0	0
12	MIP_NL__0PNPDE20111103_195750_000041153108_00172_50617_9934.N1	03NOV2011 19:57:50	03NOV2011 21:06:26	0	0	0	0	0
13	MIP_NL__0PNPDE20111103_210451_000065013108_00172_50617_9935.N1	03NOV2011 21:04:51	03NOV2011 22:53:12	0	0	0	0	0

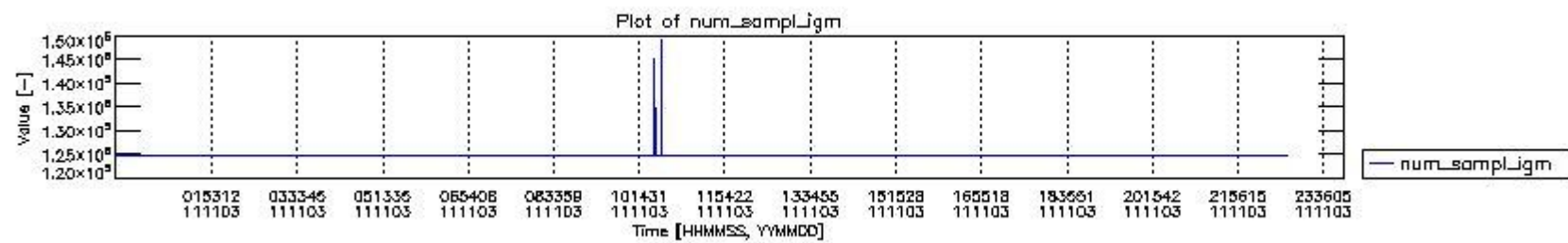
## 0.2 Instrument Operational Performance Parameters

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.

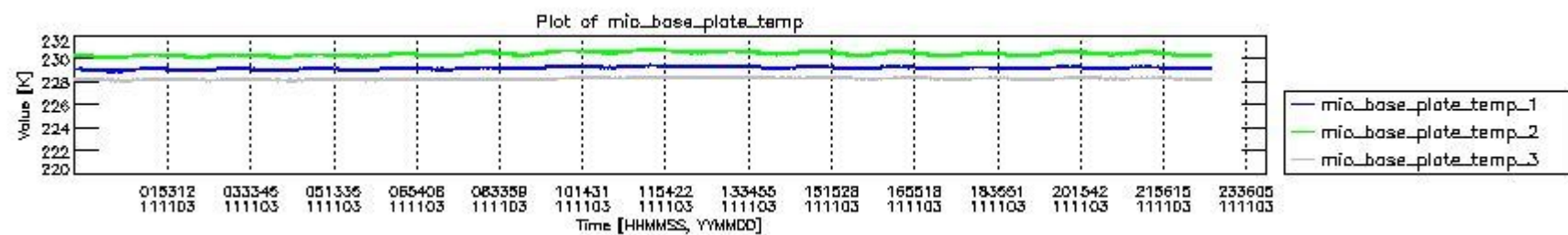
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124800	36876	92.891330
124803	2816	7.0935564
125003	1	0.0025190186
126936	1	0.0025190186

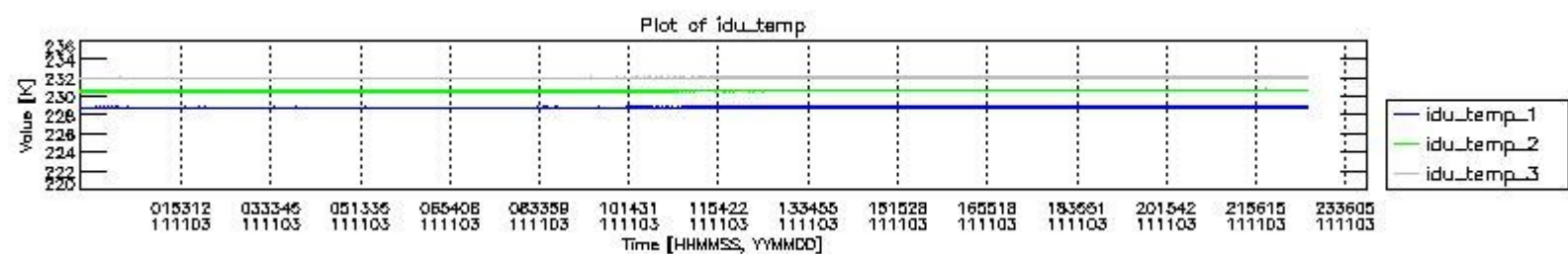
145135	1	0.0025190186
145338	1	0.0025190186
147068	1	0.0025190186
149204	1	0.0025190186



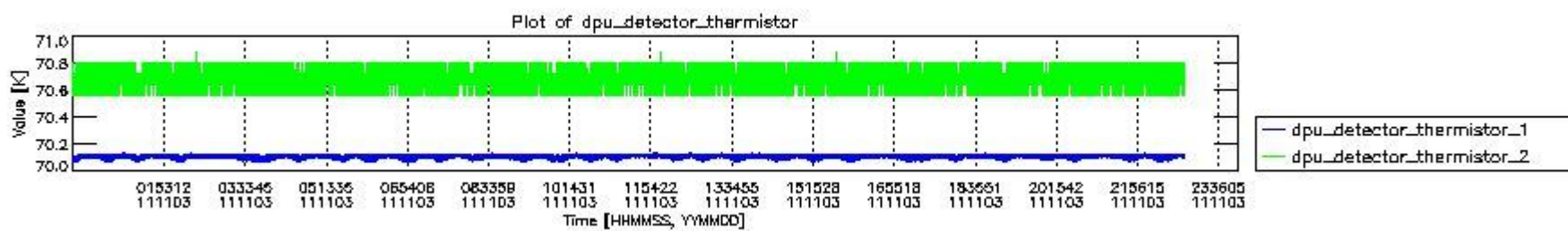
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111103\_0.PNG



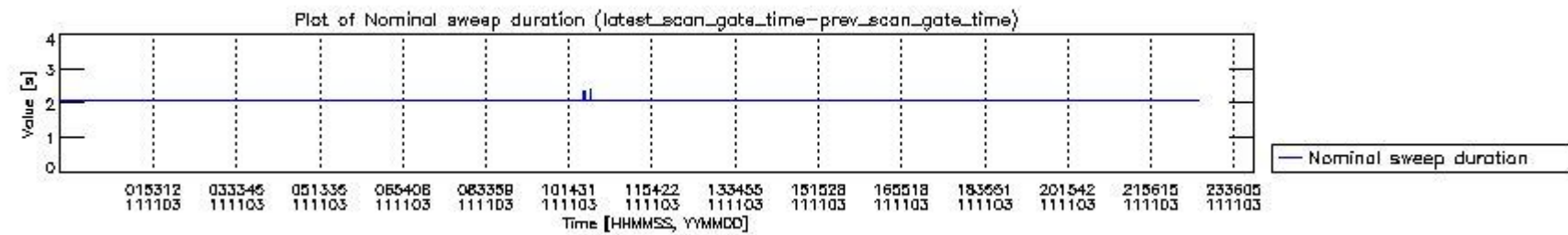
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111103\_1.PNG



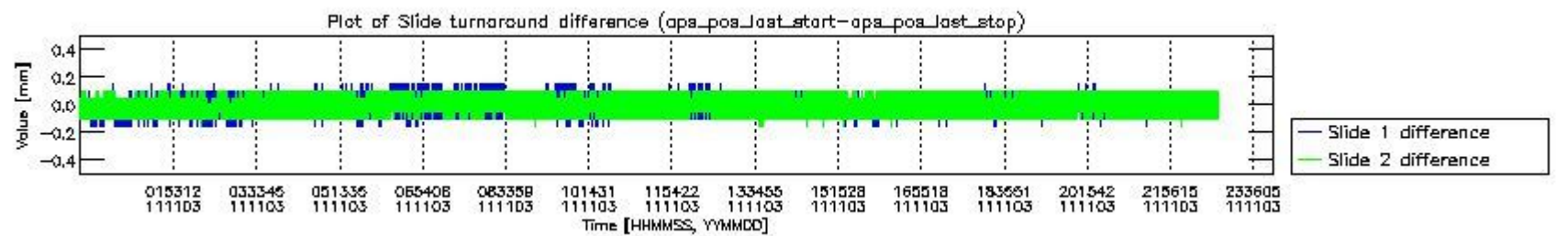
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111103\_2.PNG



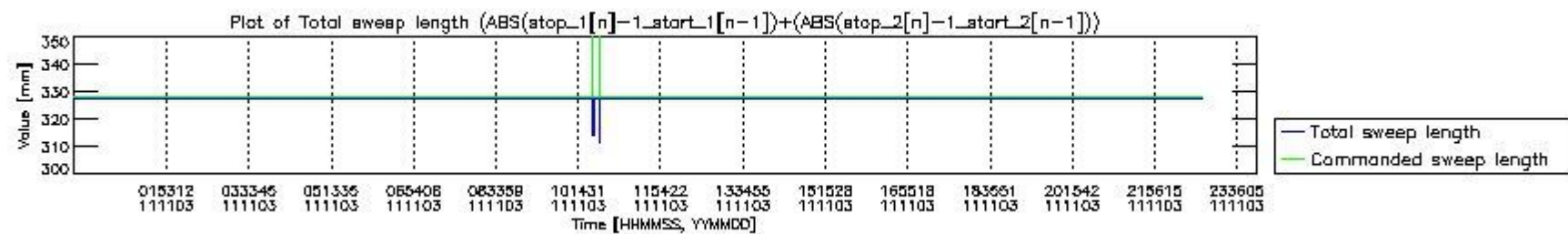
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111103\_3.PNG



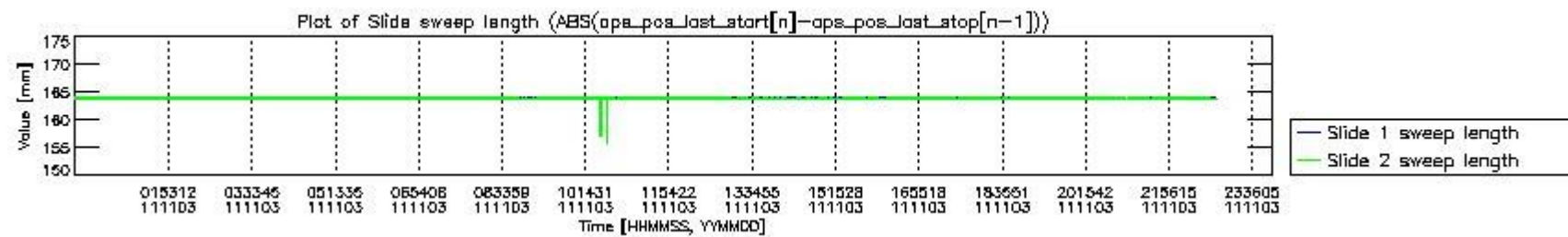
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111103\_4.PNG



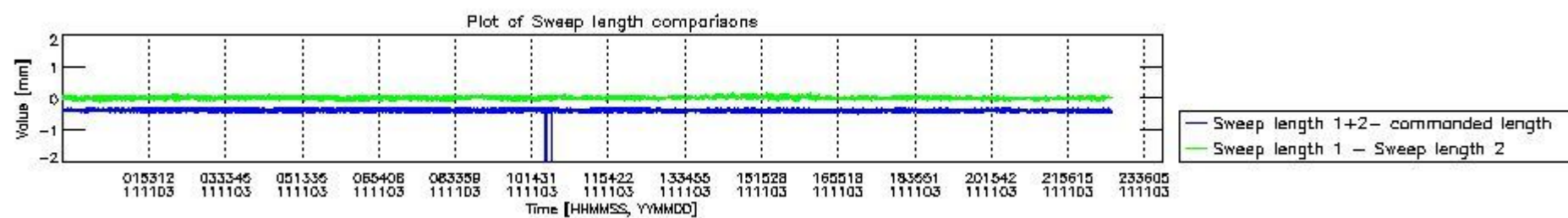
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111103\_5.PNG



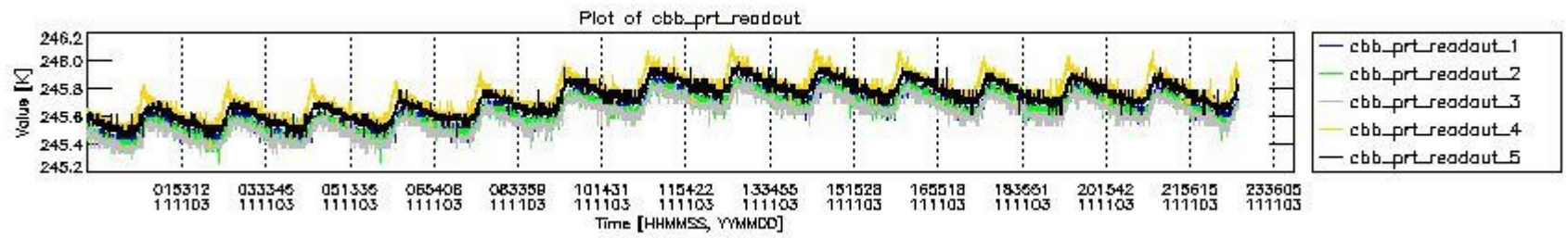
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111103\_6.PNG



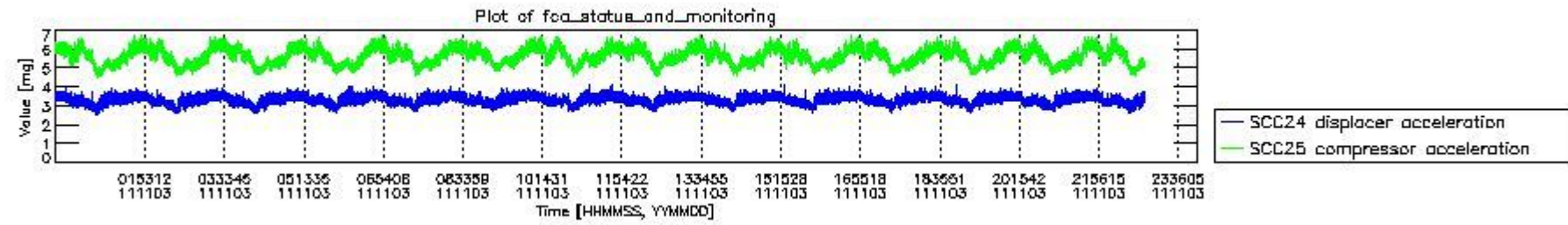
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111103\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111103\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111103\_9.PNG

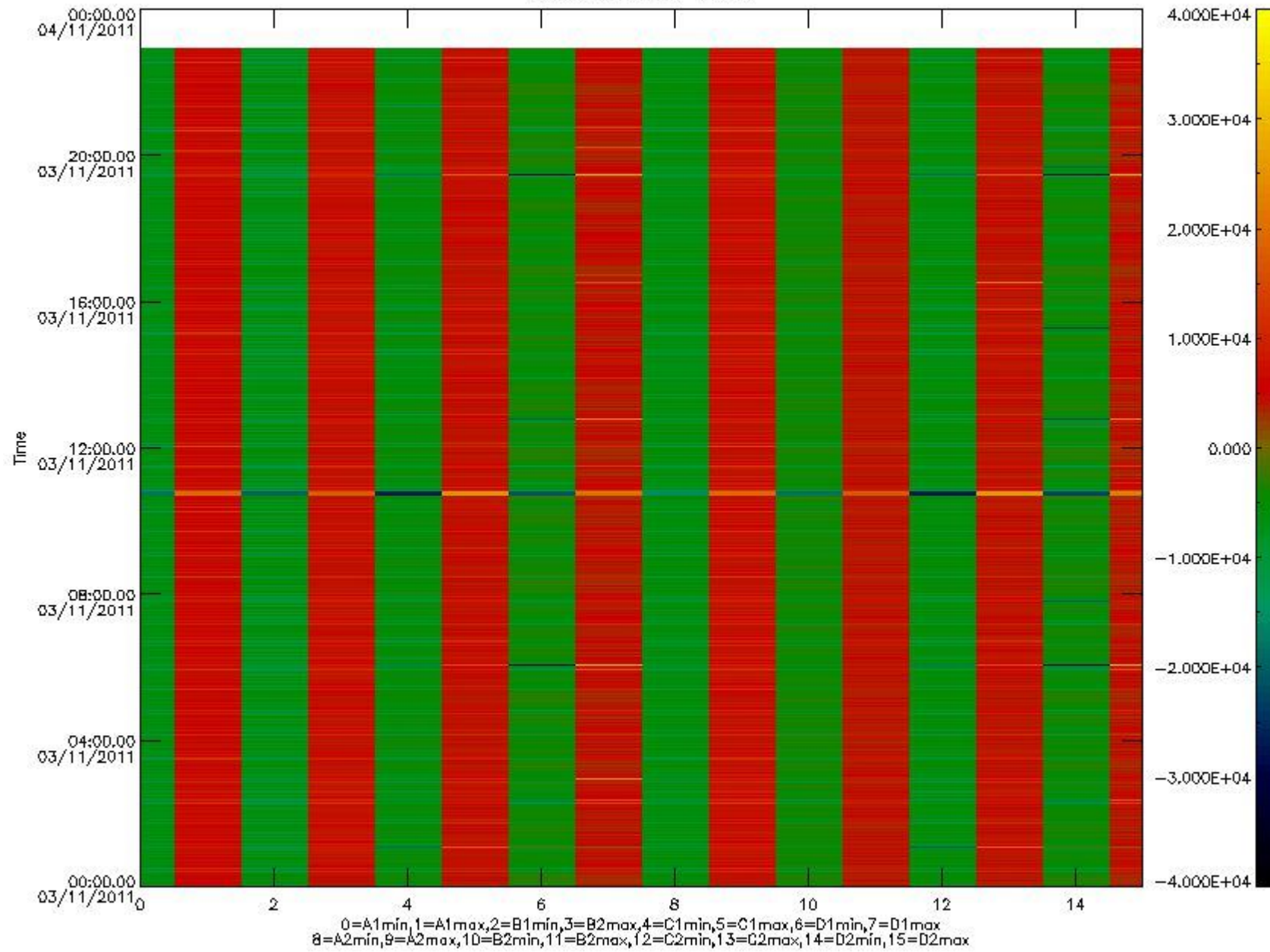


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111103\_10.PNG

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

Channel	Min	Max	ADC
A1	-18597	19744	16bit
B1	-20966	17999	16bit
C1	-26021	25895	16bit
D1	-32768	32767	16bit
A2	-16072	19905	16bit
B2	-18979	18584	16bit
C2	-27055	26640	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\_20111103\_11.PNG

### 0.3 ADF monitoring

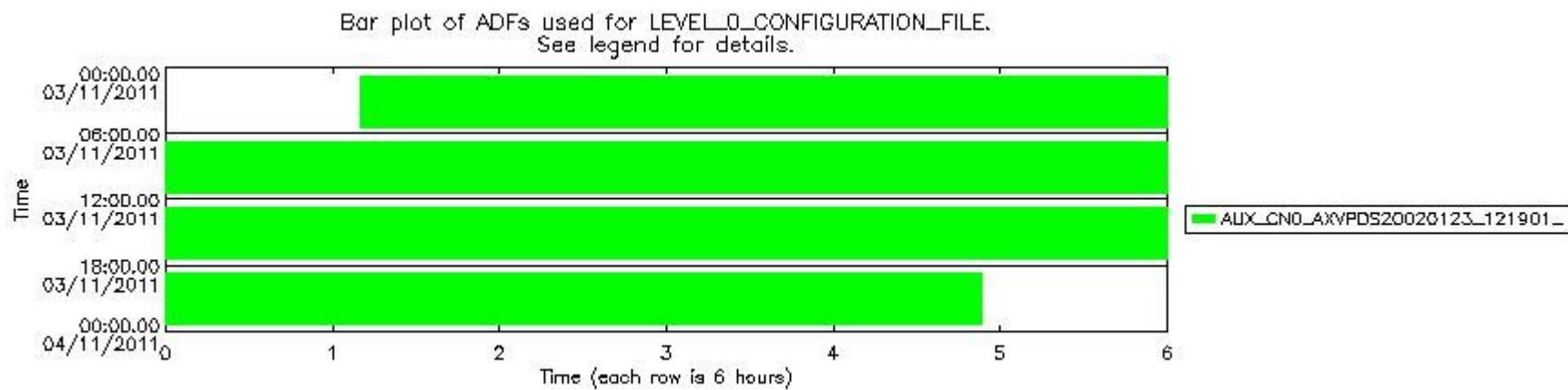
The use of ADFs is shown in two ways:

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.

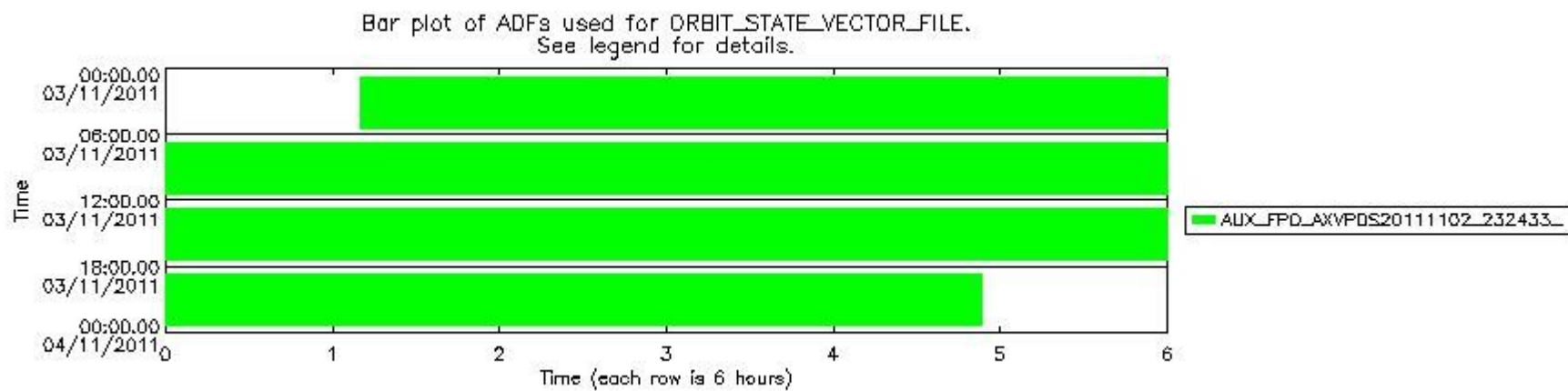
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111102_232433_20111102_184018_20111112_205400

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20111103_010951_000102453108_00160_50605_9929.N1	0	1

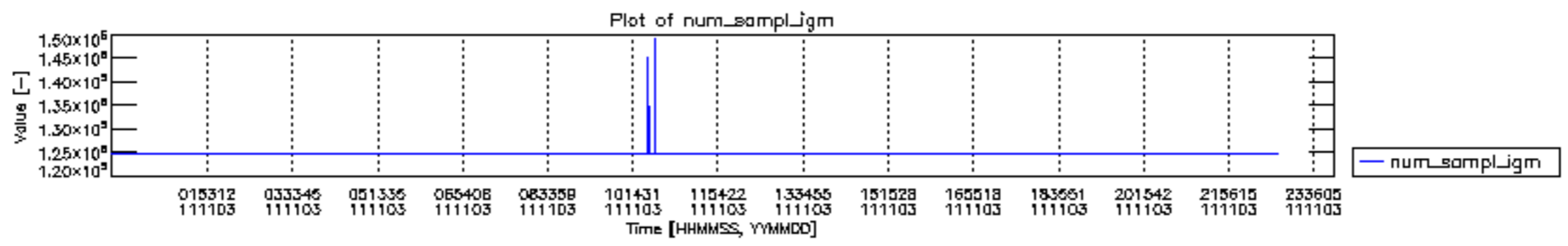
1	MIP_NL__0PNPDE20111103_015203_000077133108_00161_50606_9931.N1	0	1
2	MIP_NL__0PNPDE20111103_040002_000061633108_00162_50607_9932.N1	0	1
3	MIP_NL__0PNPDE20111103_054211_000061483108_00163_50608_9933.N1	0	1
4	MIP_NL__0PNPDK20111103_072406_000039273108_00164_50609_7422.N1	0	1
5	MIP_NL__0PNPDK20111103_082835_000060733108_00165_50610_7423.N1	0	1
6	MIP_NL__0PNPDK20111103_100812_000060243108_00166_50611_7424.N1	0	1
7	MIP_NL__0PNPDK20111103_114731_000061423108_00167_50612_7425.N1	0	1
8	MIP_NL__0PNPDK20111103_132814_000059813108_00168_50613_7426.N1	0	1
9	MIP_NL__0PNPDK20111103_150613_000059123108_00169_50614_7427.N1	0	1
10	MIP_NL__0PNPDK20111103_164401_000058833108_00170_50615_7428.N1	0	1
11	MIP_NL__0PNPDK20111103_182103_000058763108_00171_50616_7430.N1	0	1
12	MIP_NL__0PNPDE20111103_195750_000041153108_00172_50617_9934.N1	0	1
13	MIP_NL__0PNPDE20111103_210451_000065013108_00172_50617_9935.N1	0	1

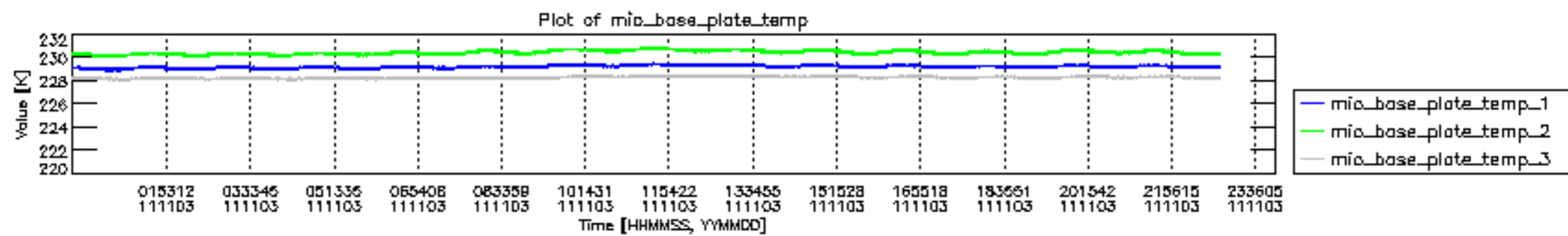


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111103\_12.PNG

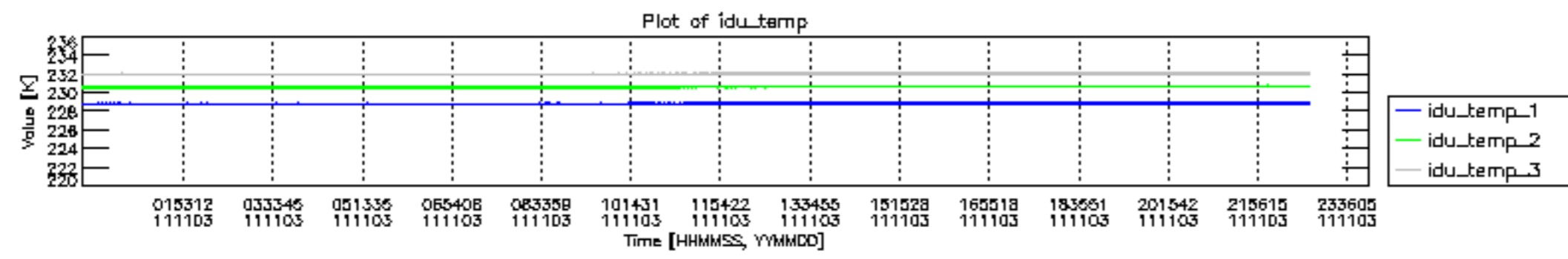


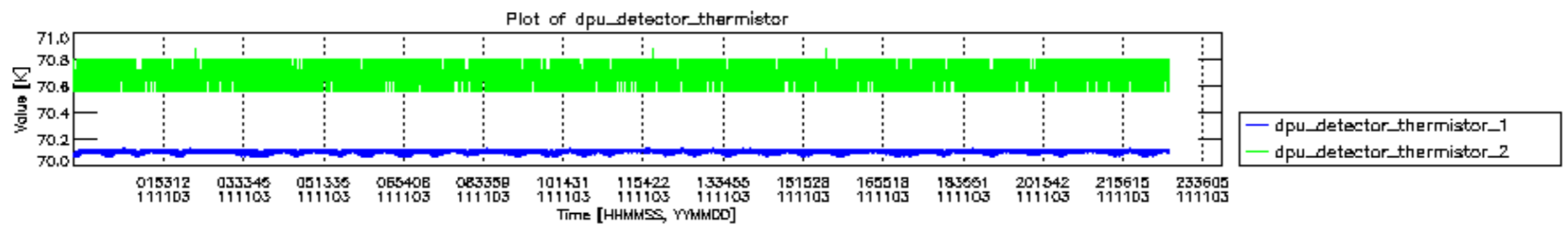
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111103\_13.PNG

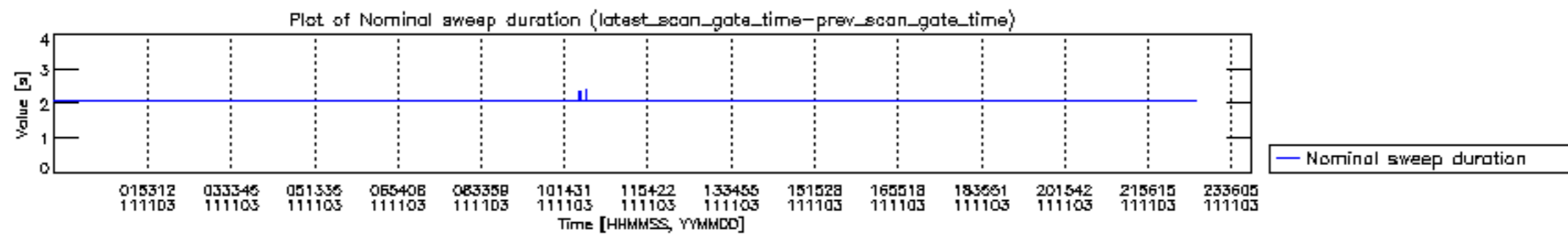


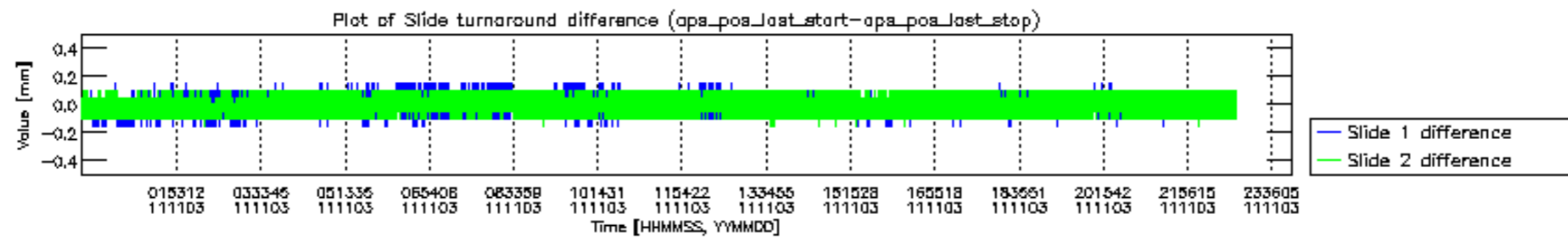


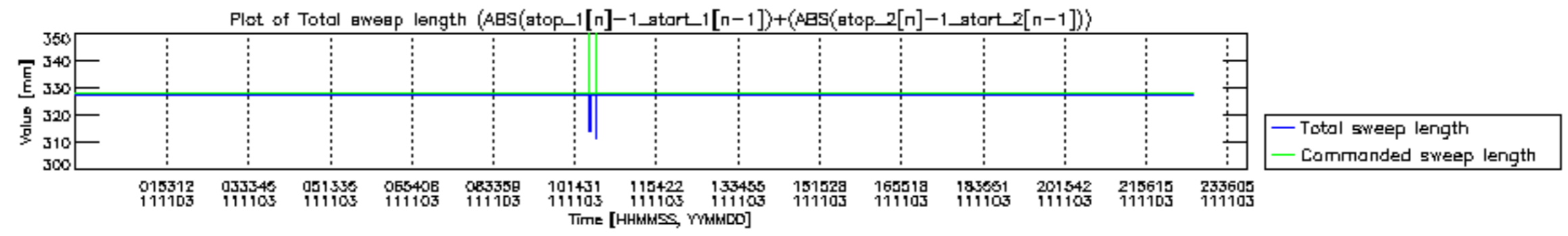


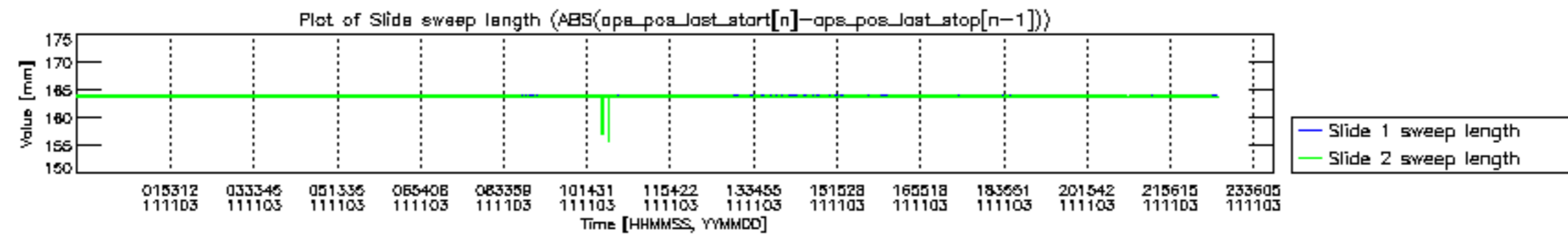


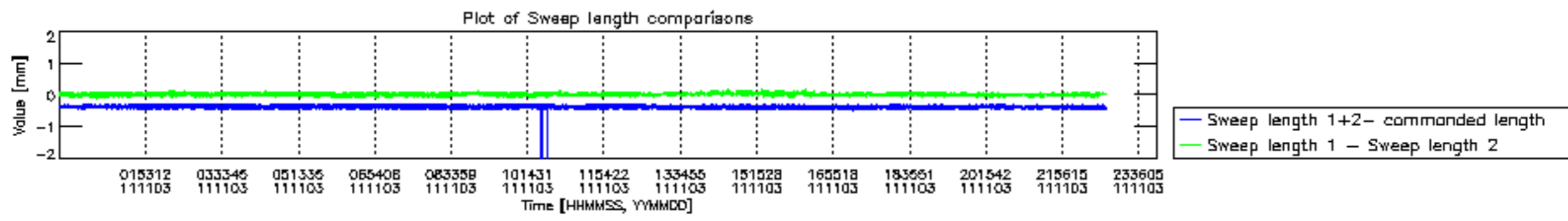


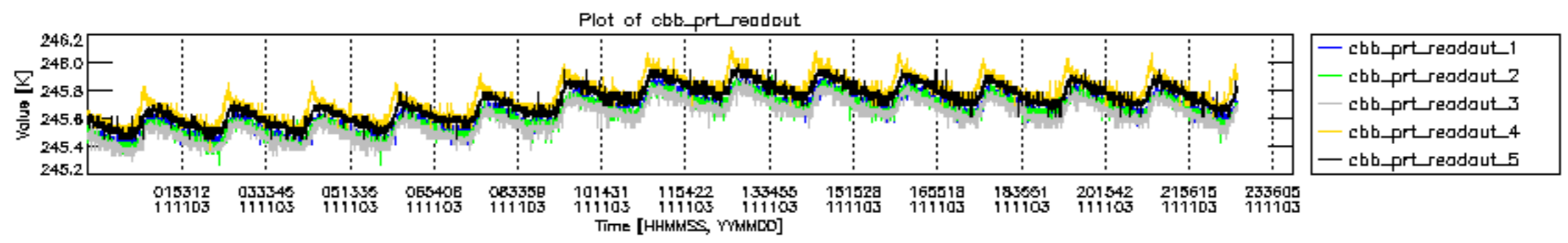




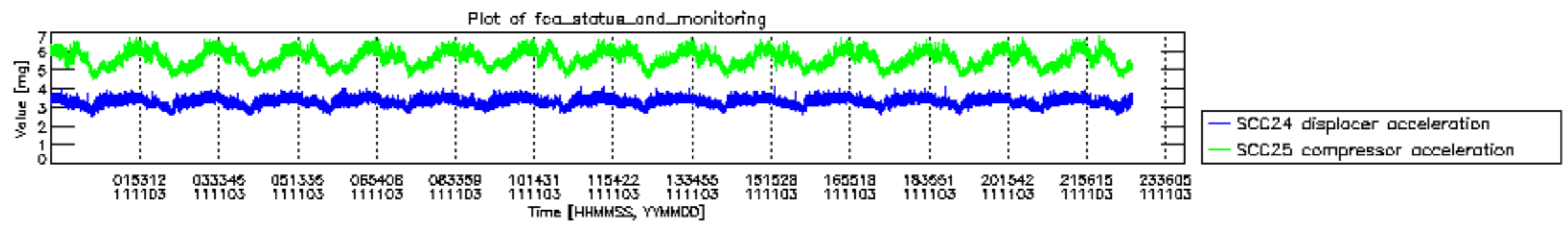












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

