

## 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	30SEP2011 05:21:24
Data source version	KSPT_L0/4504-N
Processing scope for products	25SEP2011 00:00:00 to 26SEP2011 00:00:00
Start time of first product within scope	25SEP2011 01:38:28
Stop time of last product within scope	26SEP2011 01:03:05
Total number of level 0 products	6
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.

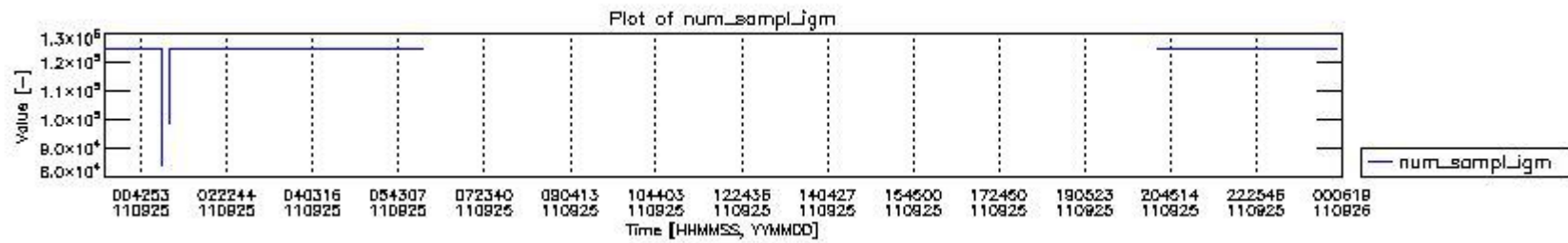
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110925_013828_000043513107_00031_50045_9709.N1	25SEP2011 01:38:28	25SEP2011 02:50:59	0	0	0	0	0
1	MIP_NL__0PNPDE20110925_025026_000061613107_00032_50046_9710.N1	25SEP2011 02:50:26	25SEP2011 04:33:06	0	0	0	0	0
2	MIP_NL__0PNPDE20110925_043233_000059913107_00033_50047_9711.N1	25SEP2011 04:32:33	25SEP2011 06:12:24	0	0	0	0	0
3	MIP_NL__0PNPDE20110925_202948_000042933107_00043_50057_9712.N1	25SEP2011 20:29:48	25SEP2011 21:41:21	0	0	0	0	0
4	MIP_NL__0PNPDE20110925_214023_000062113107_00043_50057_9713.N1	25SEP2011 21:40:23	25SEP2011 23:23:54	0	0	0	0	0
5	MIP_NL__0PNPDE20110925_232253_000060123107_00044_50058_9714.N1	25SEP2011 23:22:53	26SEP2011 01:03:05	0	0	0	0	0

## 0.2 Instrument Operational Performance Parameters

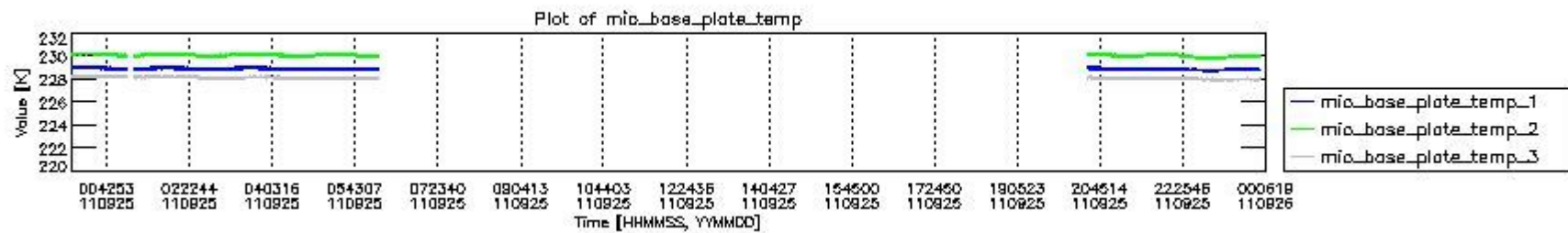
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP\_NL\_\_0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is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

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

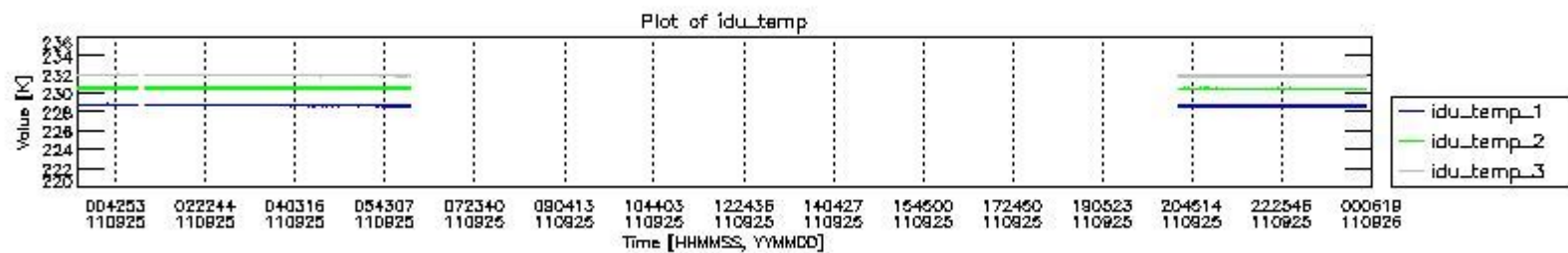
Number of igm samples	Count [#]	Count [%]
84230	1	0.0060353673
94449	1	0.0060353673
98773	1	0.0060353673
114581	1	0.0060353673
123250	1	0.0060353673
124025	1	0.0060353673
124800	15377	92.805842
124803	1186	7.1579456



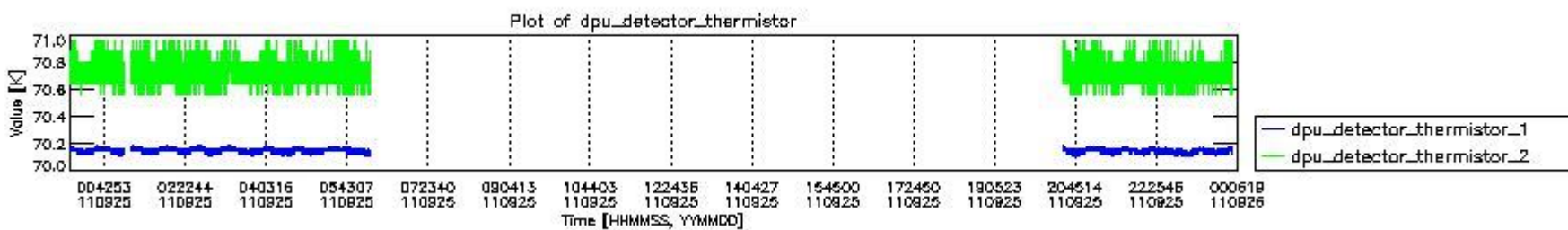
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110925\_0.PNG



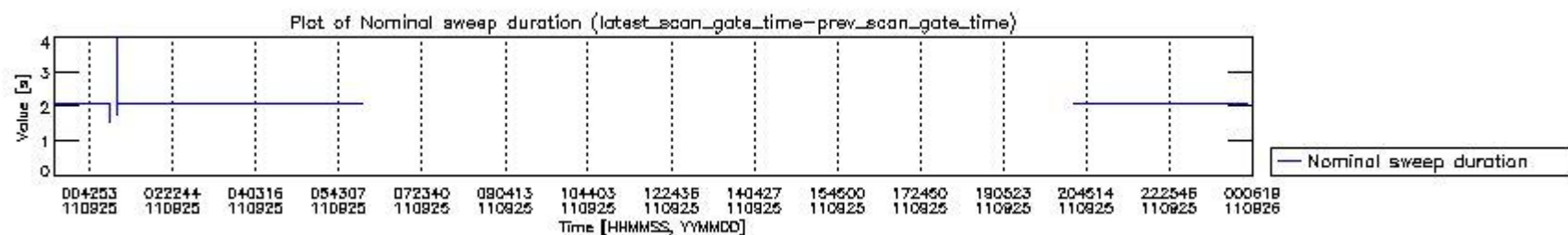
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110925\_1.PNG



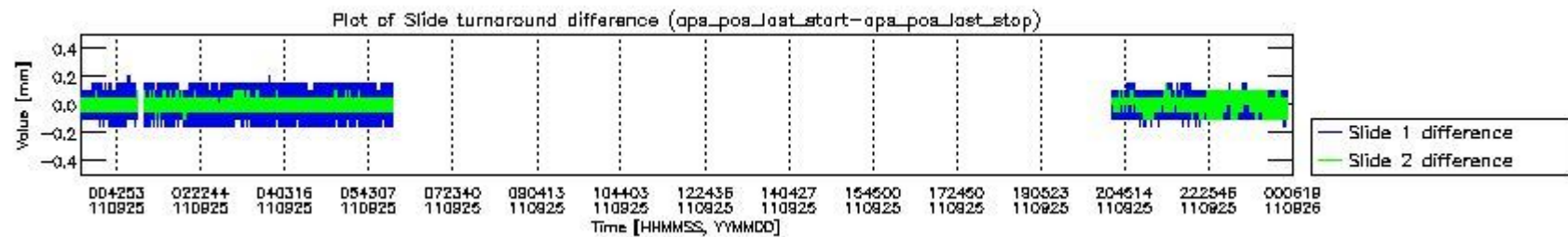
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110925\_2.PNG



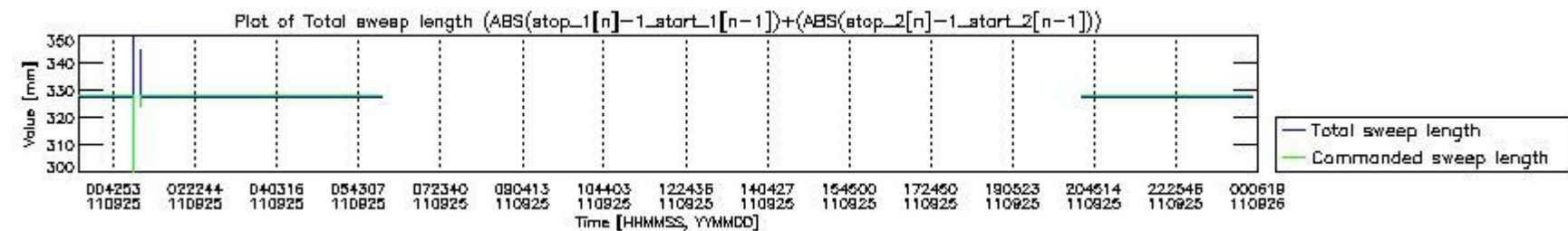
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110925\_3.PNG



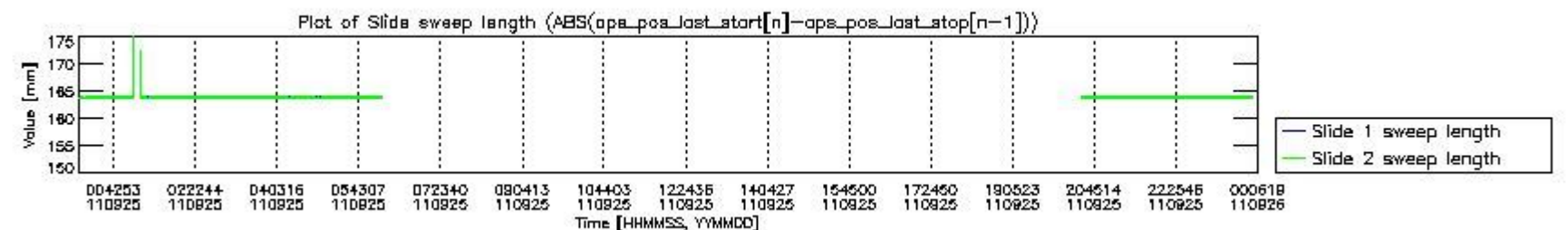
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110925\_4.PNG



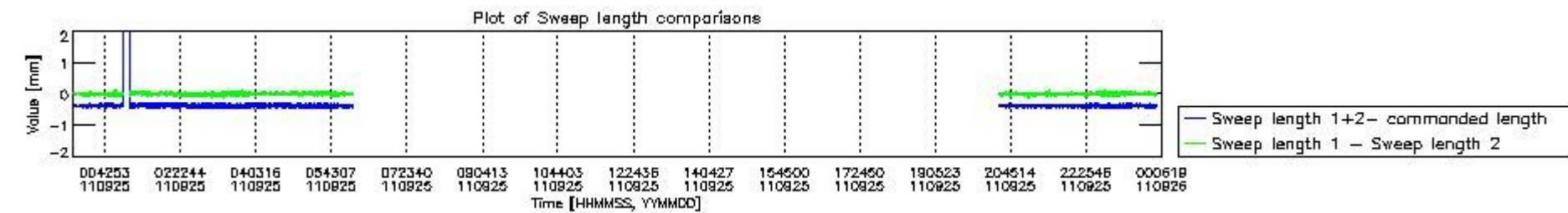
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110925\_5.PNG



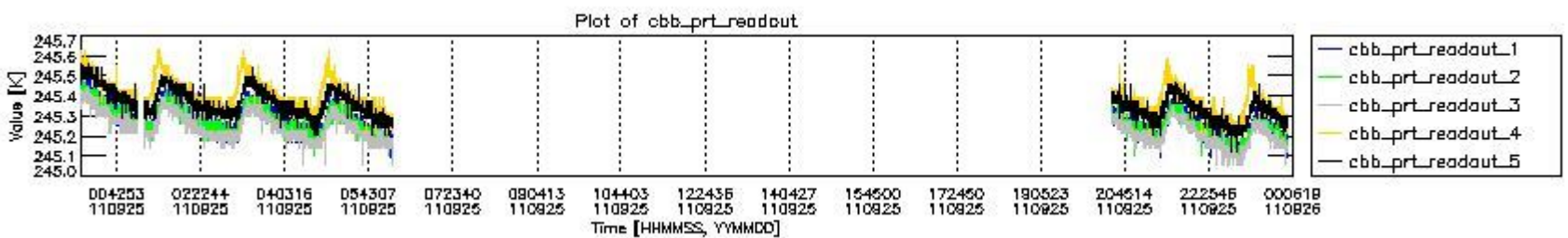
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110925\_6.PNG



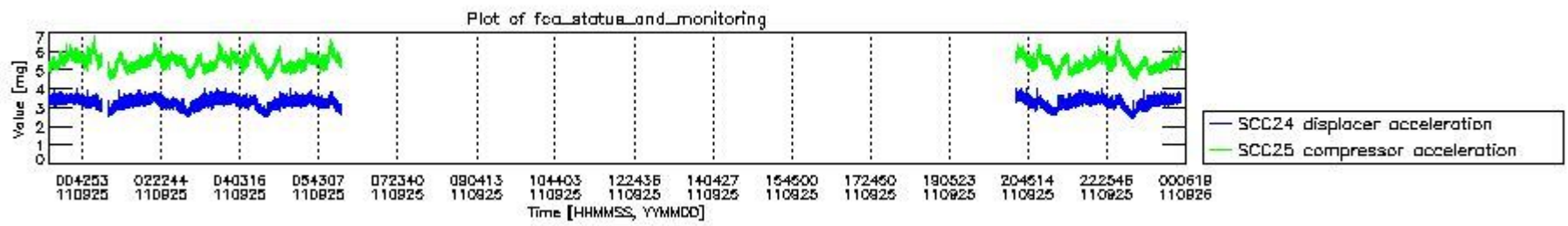
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110925\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110925\_8.PNG



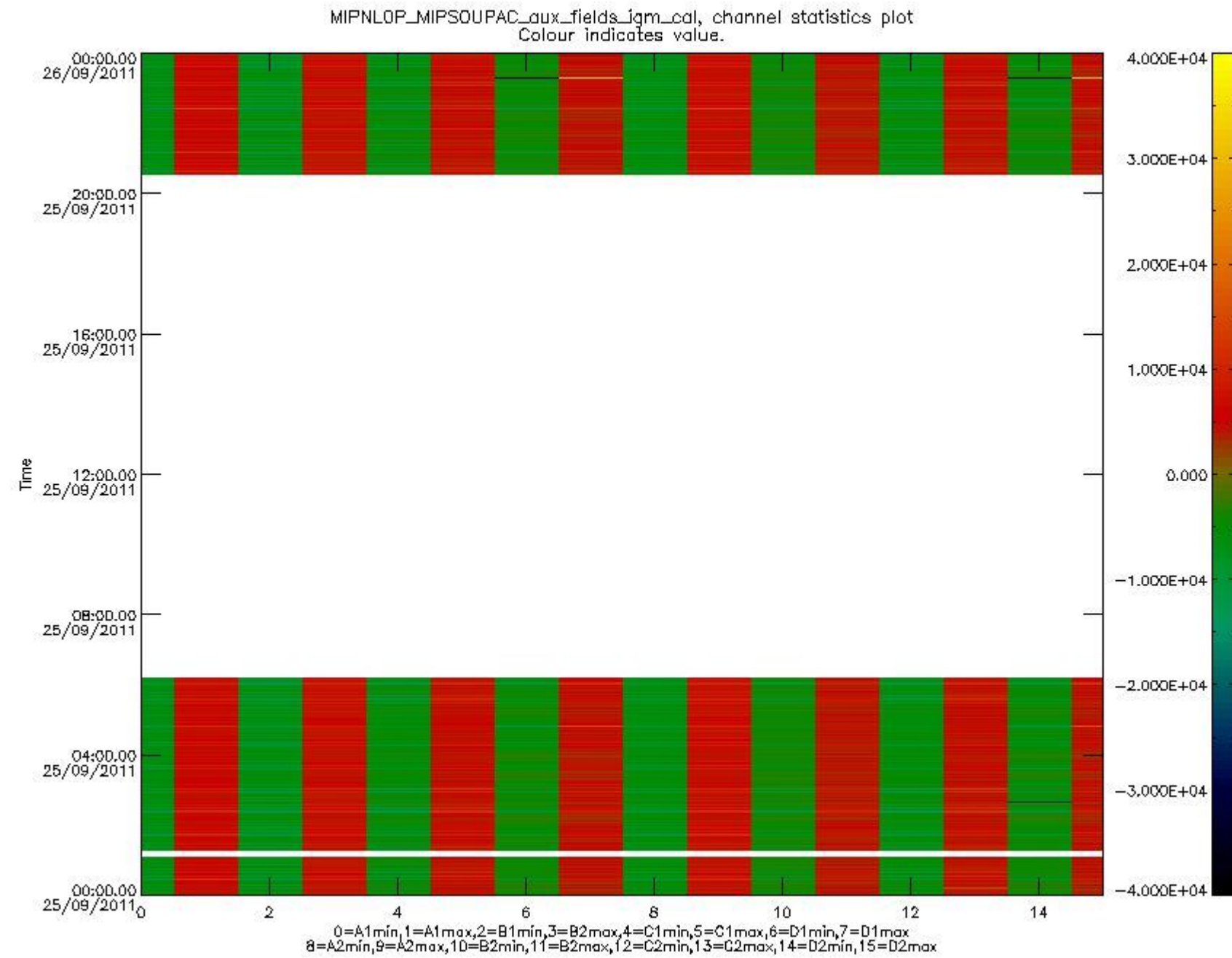
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110925\_9.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110925\_10.PNG

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

Channel	Min	Max	ADC
A1	-16368	17082	16bit
B1	-17021	14990	16bit
C1	-23816	22489	16bit
D1	-32768	32767	16bit
A2	-14133	16936	16bit
B2	-14691	14481	16bit
C2	-23744	23990	16bit
D2	-32768	32767	16bit



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110925\_11.PNG

### 0.3 ADF monitoring

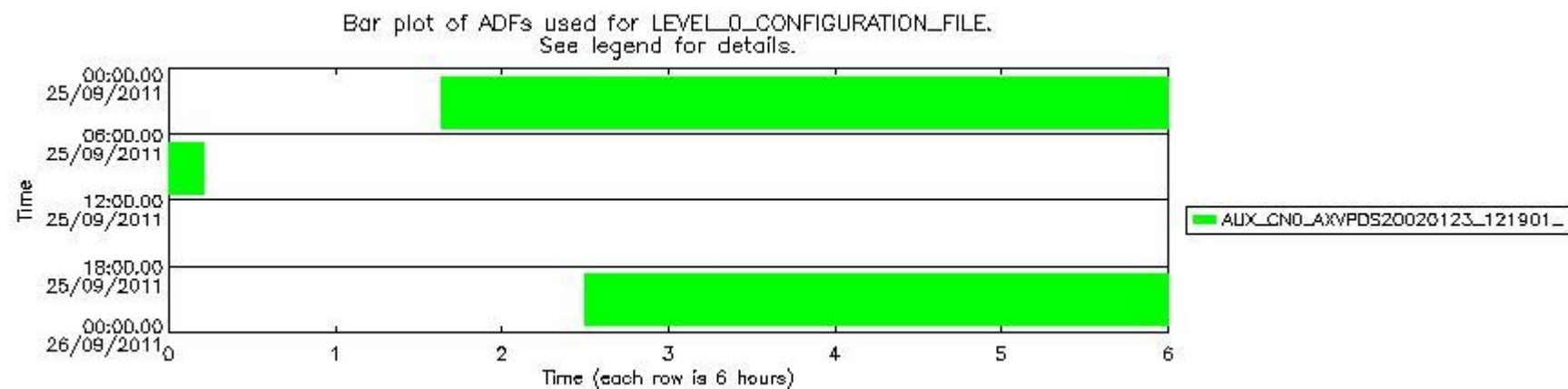
The use of ADFs is shown in two ways:

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.

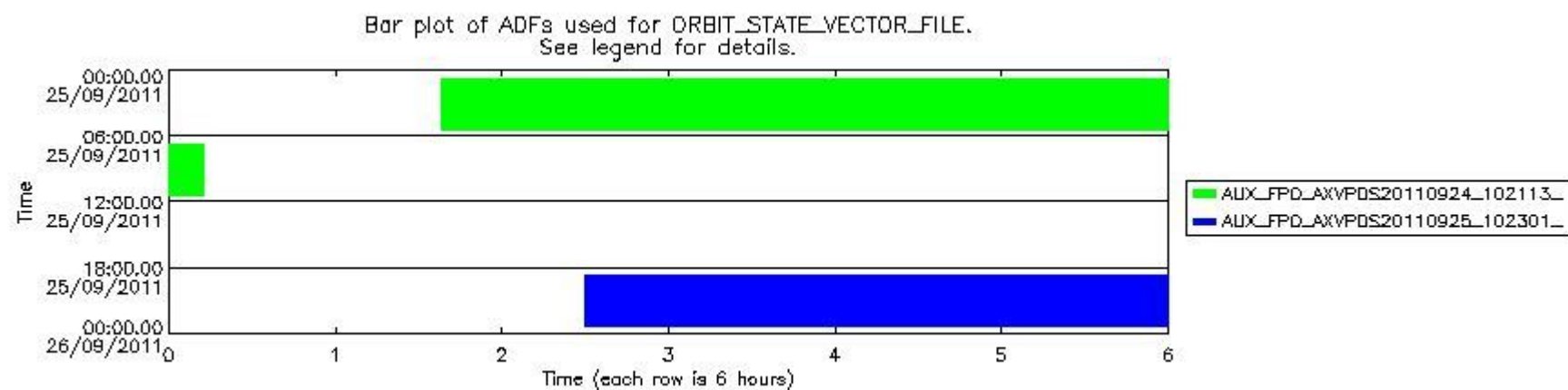
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110924_102113_20110923_194646_20111003_202017
2	AUX_FPO_AXVPDS20110925_102301_20110924_191002_20111004_212346

Number	Product name	#CN0	#FPO
--------	--------------	------	------

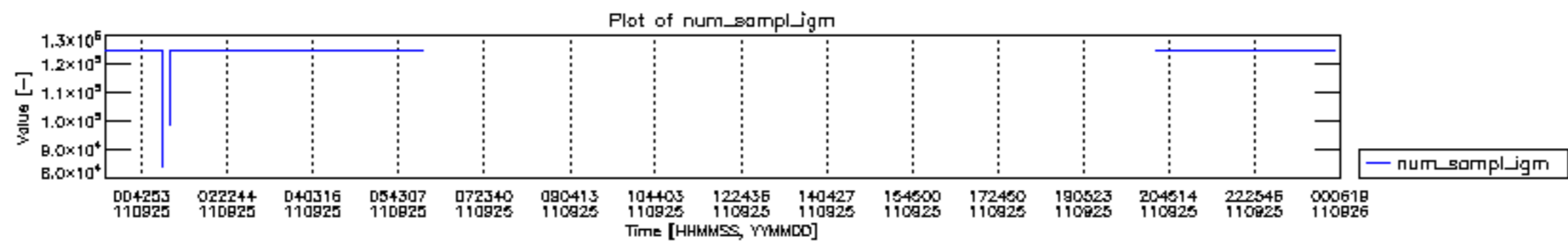
0	MIP_NL__0PNPDE20110925_013828_000043513107_00031_50045_9709.N1	0	1
1	MIP_NL__0PNPDE20110925_025026_000061613107_00032_50046_9710.N1	0	1
2	MIP_NL__0PNPDE20110925_043233_000059913107_00033_50047_9711.N1	0	1
3	MIP_NL__0PNPDE20110925_202948_000042933107_00043_50057_9712.N1	0	2
4	MIP_NL__0PNPDE20110925_214023_000062113107_00043_50057_9713.N1	0	2
5	MIP_NL__0PNPDE20110925_232253_000060123107_00044_50058_9714.N1	0	2

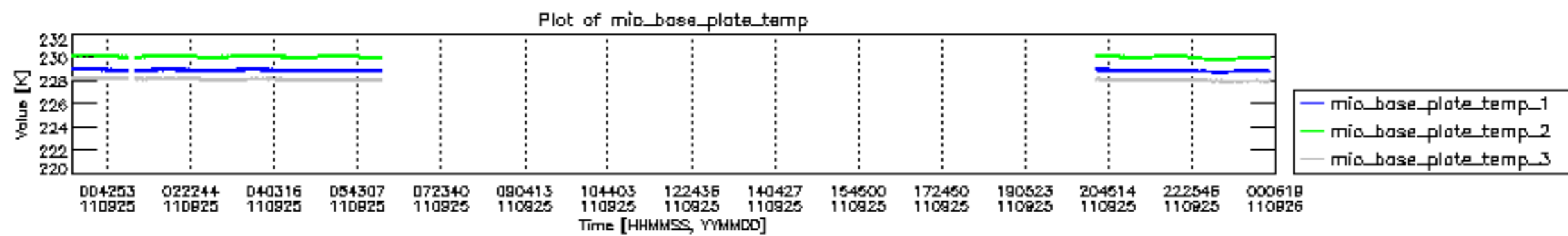


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110925\_12.PNG

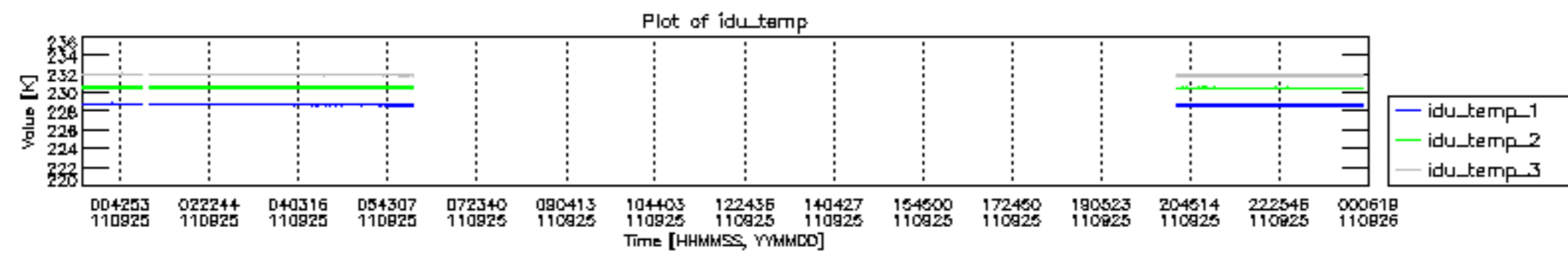


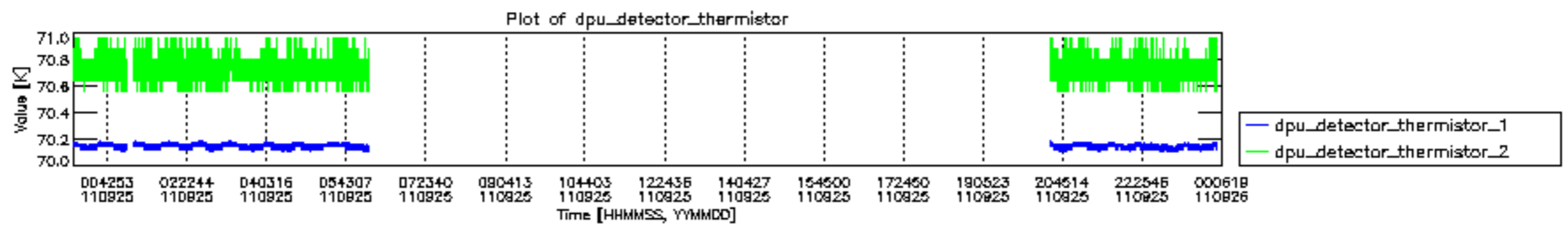
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110925\_13.PNG

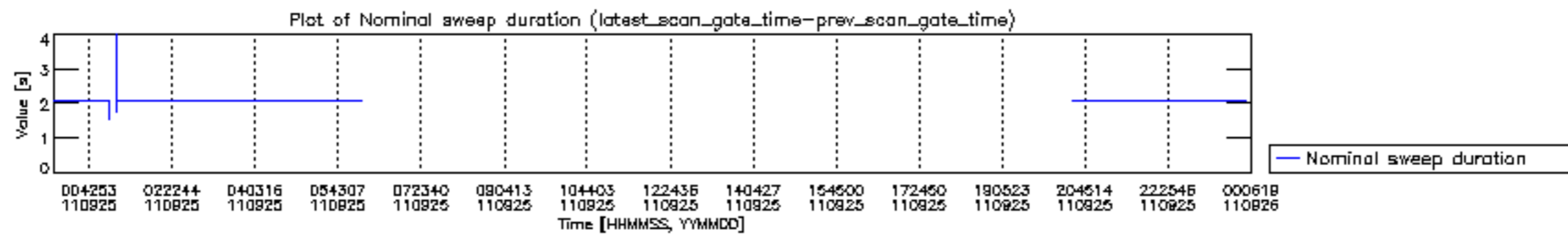


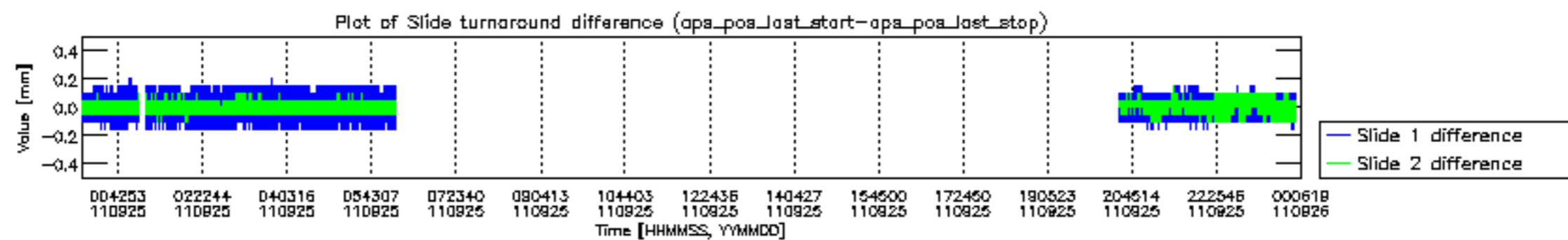


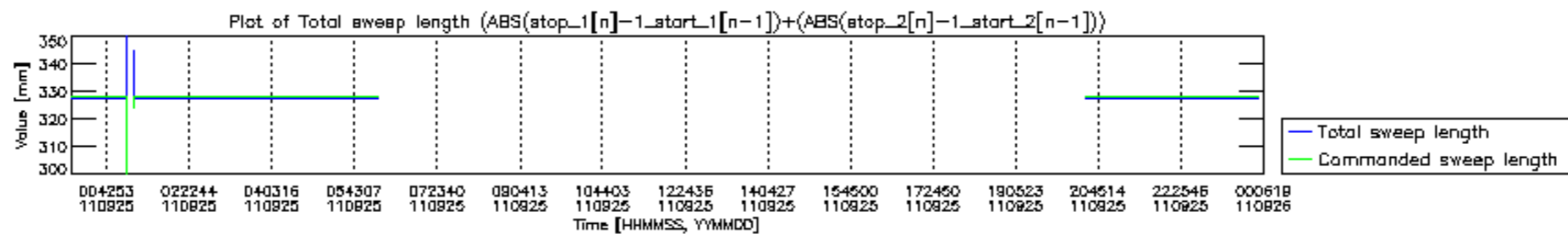


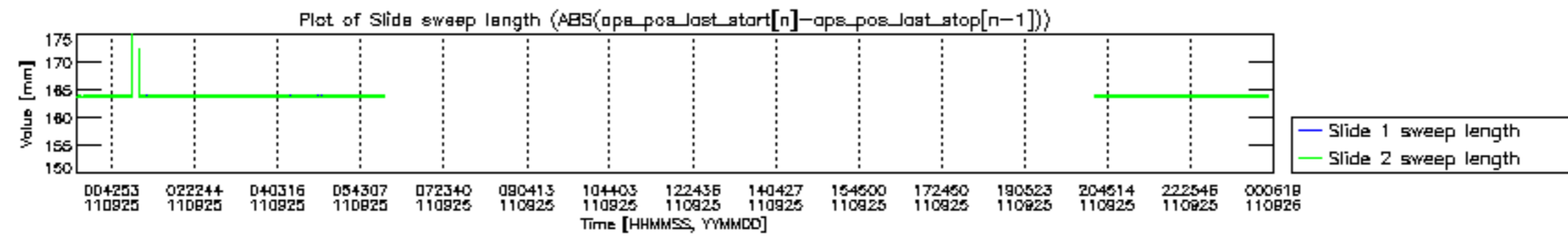


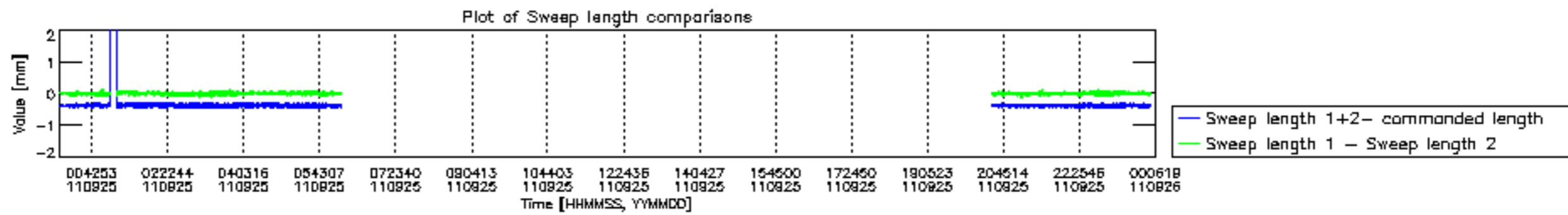


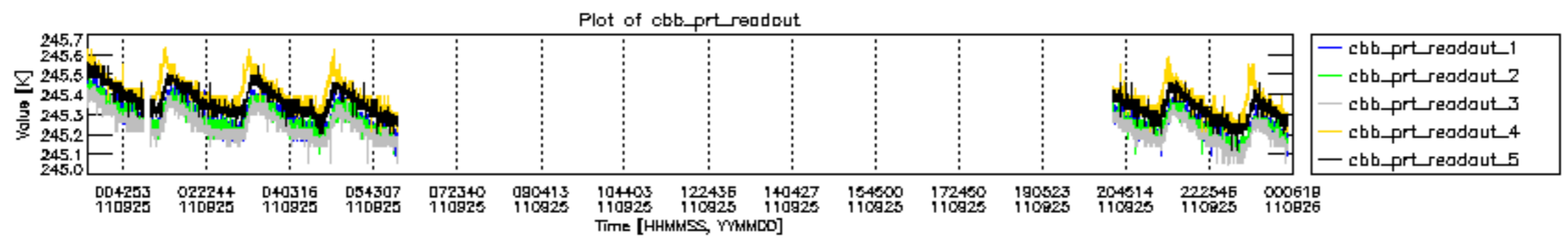




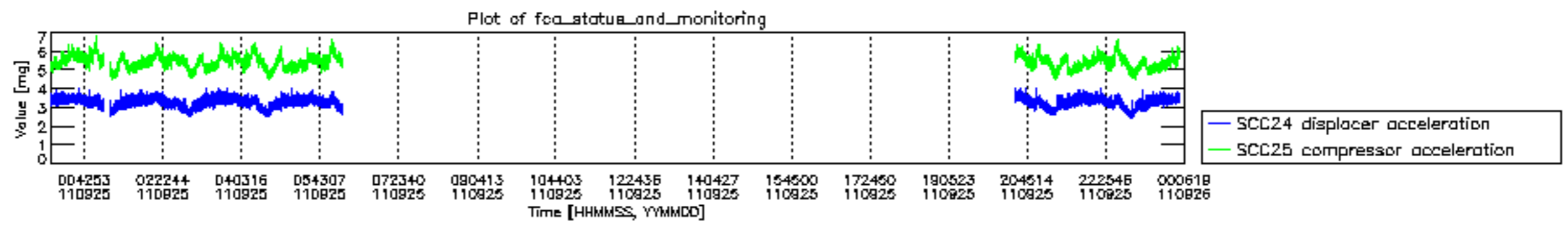












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

