

## 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	29SEP2011 05:21:27
Data source version	KSPT_L0/4504-N
Processing scope for products	24SEP2011 00:00:00 to 25SEP2011 00:00:00
Start time of first product within scope	24SEP2011 00:34:50
Stop time of last product within scope	25SEP2011 01:39:26
Total number of level 0 products	7
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.

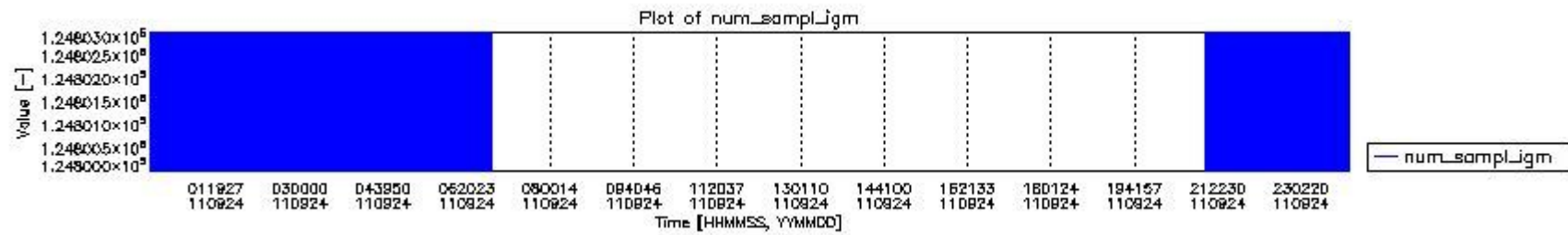
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110924_003450_000059623107_00016_50030_9702.N1	24SEP2011 00:34:50	24SEP2011 02:14:12	0	0	0	0	0
1	MIP_NL__0PNPDE20110924_021311_000044583107_00017_50031_9703.N1	24SEP2011 02:13:11	24SEP2011 03:27:29	0	0	0	0	0
2	MIP_NL__0PNPDE20110924_032656_000061543107_00018_50032_9704.N1	24SEP2011 03:26:56	24SEP2011 05:09:30	0	0	0	0	0
3	MIP_NL__0PNPDE20110924_050857_000060143107_00019_50033_9705.N1	24SEP2011 05:08:57	24SEP2011 06:49:11	0	0	0	0	0
4	MIP_NL__0PNPDE20110924_210655_000042513107_00029_50043_9706.N1	24SEP2011 21:06:55	24SEP2011 22:17:47	0	0	0	0	0
5	MIP_NL__0PNPDE20110924_221648_000061463107_00029_50043_9707.N1	24SEP2011 22:16:48	24SEP2011 23:59:14	0	0	0	0	0
6	MIP_NL__0PNPDE20110924_235809_000060773107_00030_50044_9708.N1	24SEP2011 23:58:09	25SEP2011 01:39:26	0	0	0	0	0

## 0.2 Instrument Operational Performance Parameters

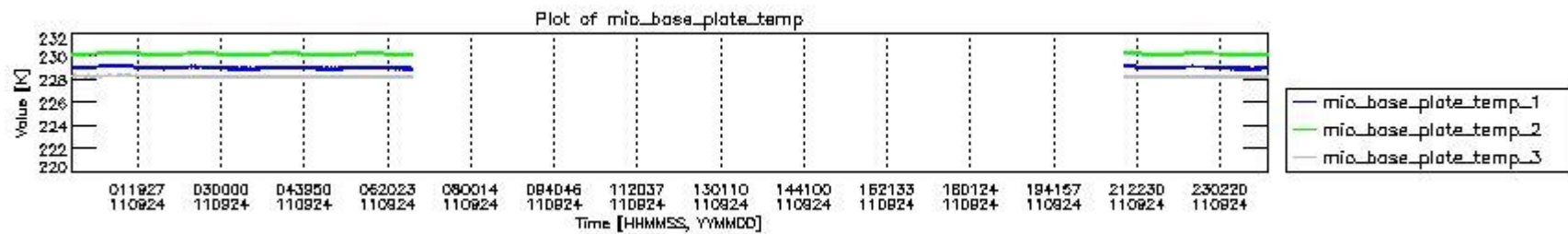
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP\_NL\_\_0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is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

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

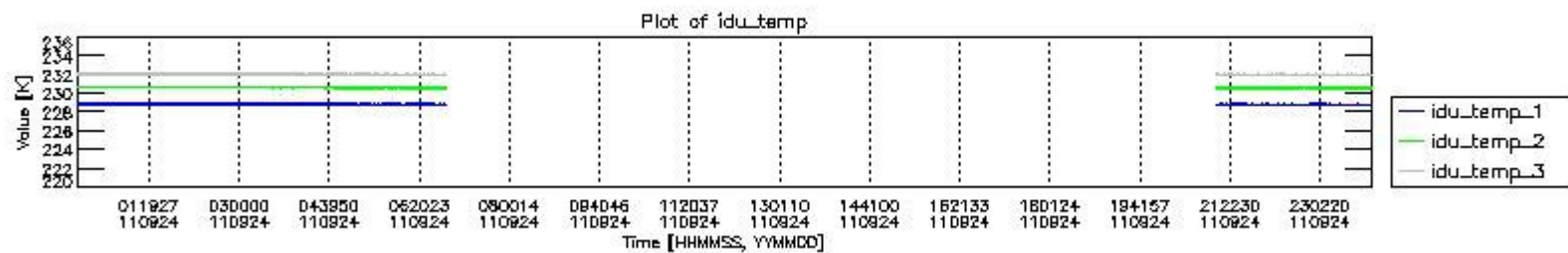
Number of igm samples	Count [#]	Count [%]
124800	15607	92.826979
124803	1206	7.1730209



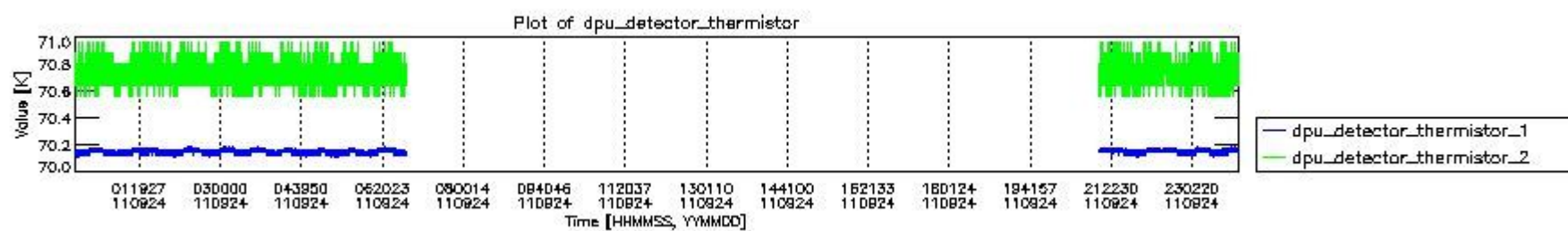
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110924\_0.PNG



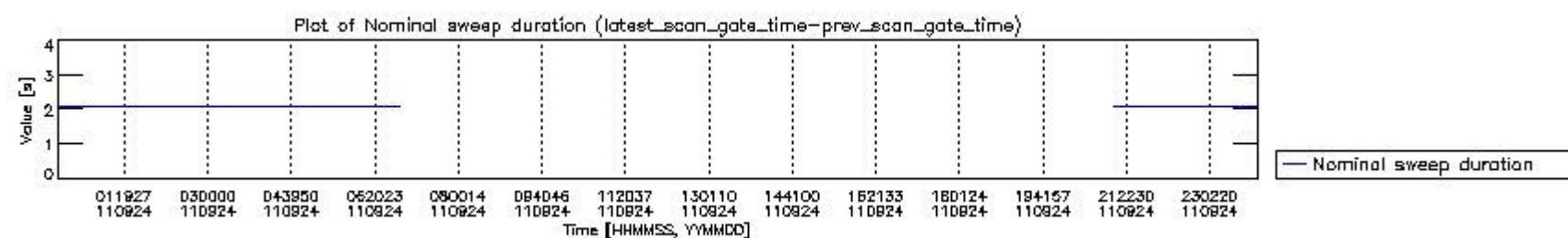
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110924\_1.PNG



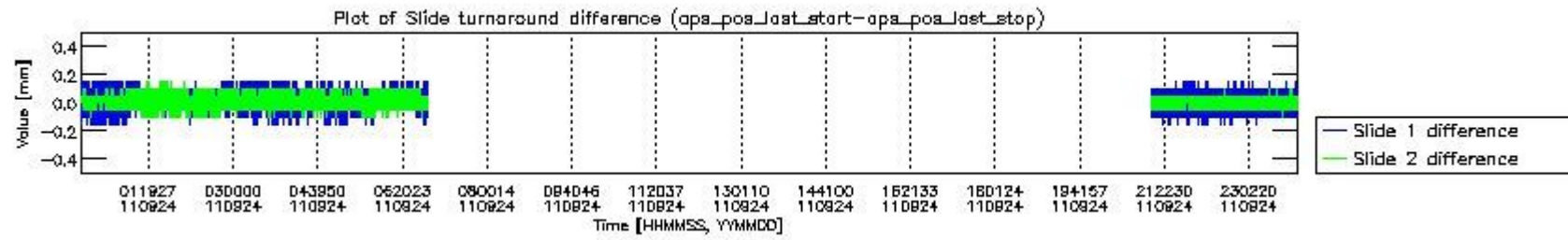
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110924\_2.PNG



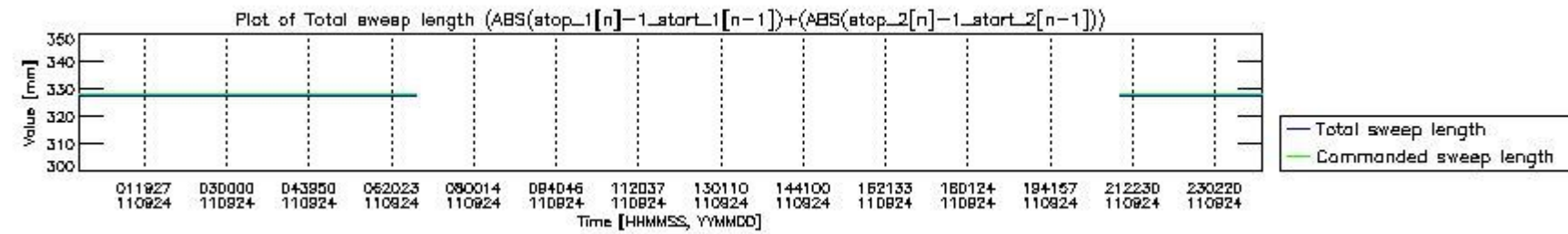
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110924\_3.PNG



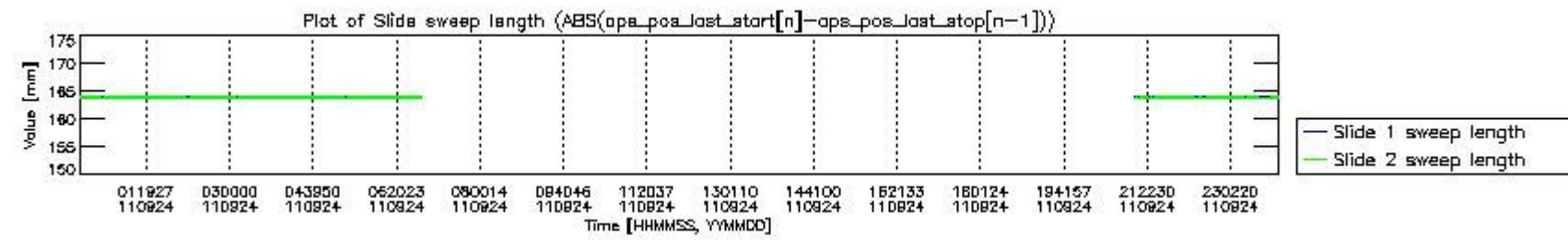
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110924\_4.PNG



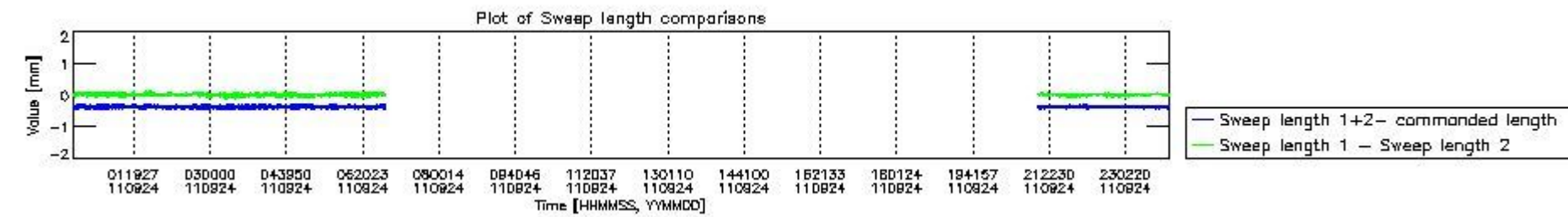
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110924\_5.PNG



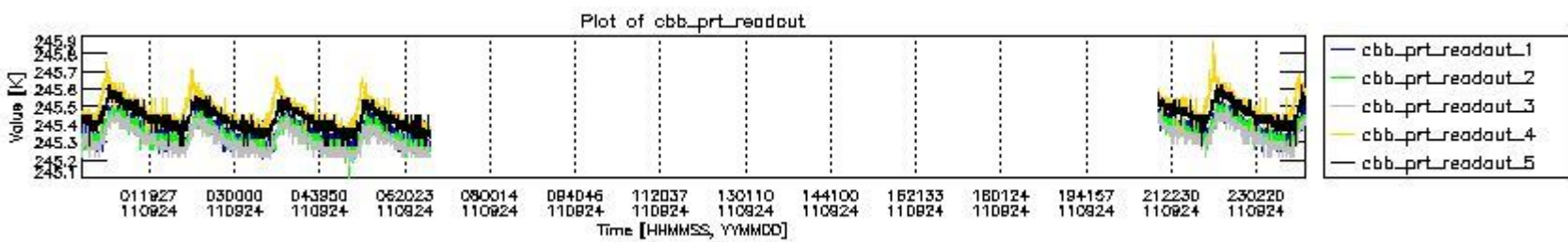
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110924\_6.PNG



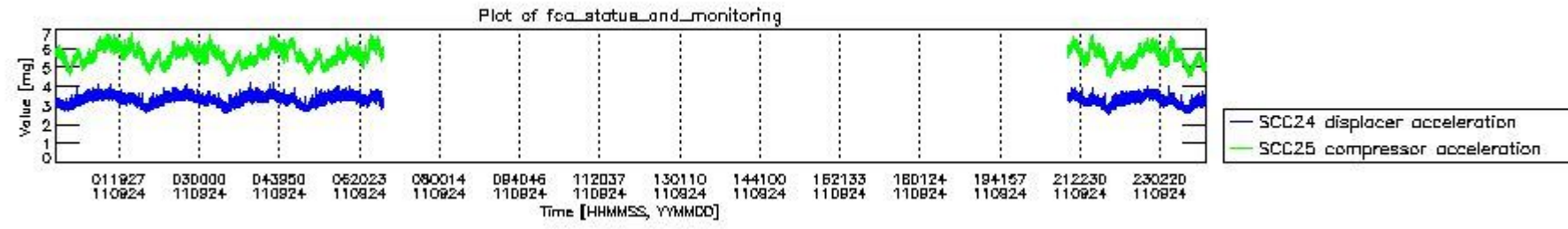
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110924\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110924\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110924\_9.PNG



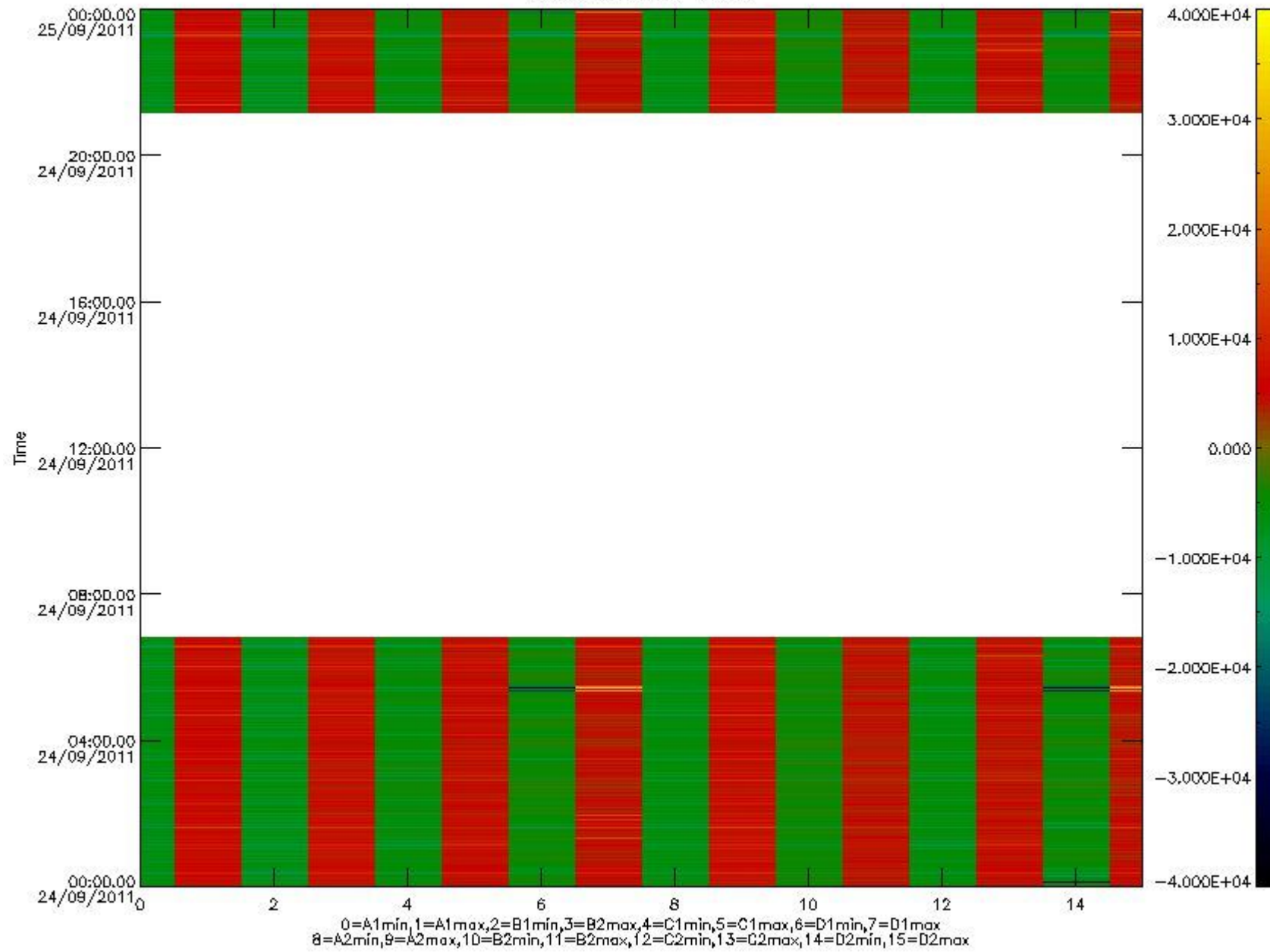
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110924\_10.PNG

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

Channel	Min	Max	ADC
A1	-16515	17065	16bit
B1	-15335	13962	16bit
C1	-24337	14762	16bit
D1	-32768	32767	16bit
A2	-13976	16686	16bit
B2	-12834	12875	16bit
C2	-15375	18444	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\_20110924\_11.PNG

### 0.3 ADF monitoring

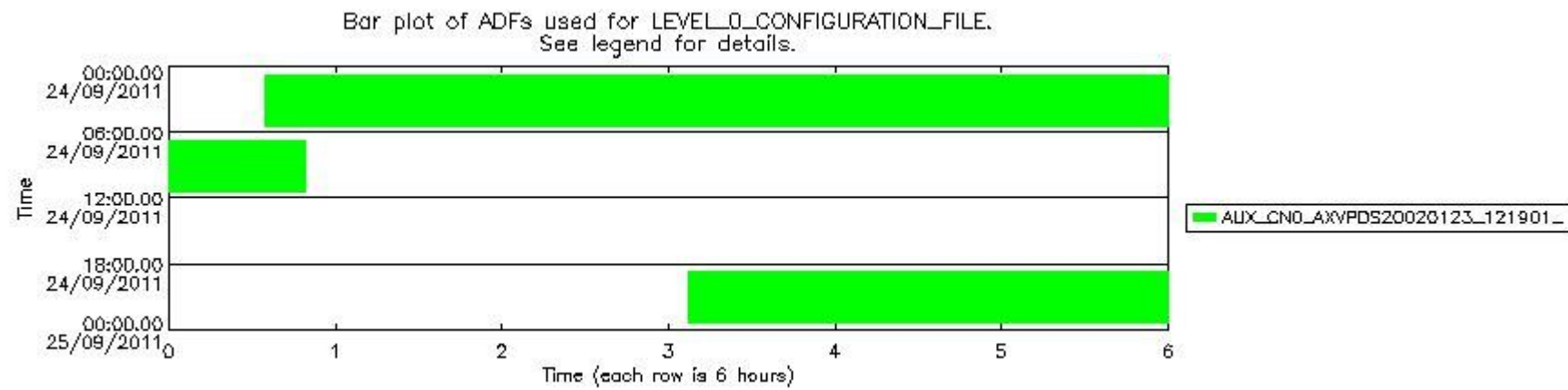
The use of ADFs is shown in two ways:

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.

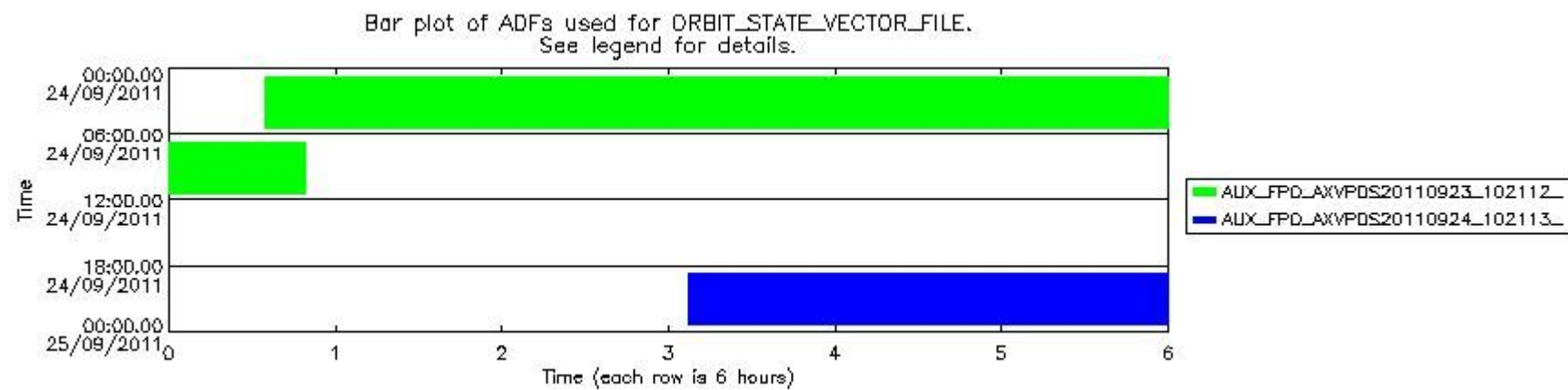
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110923_102112_20110922_184317_20111002_205702
2	AUX_FPO_AXVPDS20110924_102113_20110923_194646_20111003_202017

Number	Product name	#CN0	#FPO
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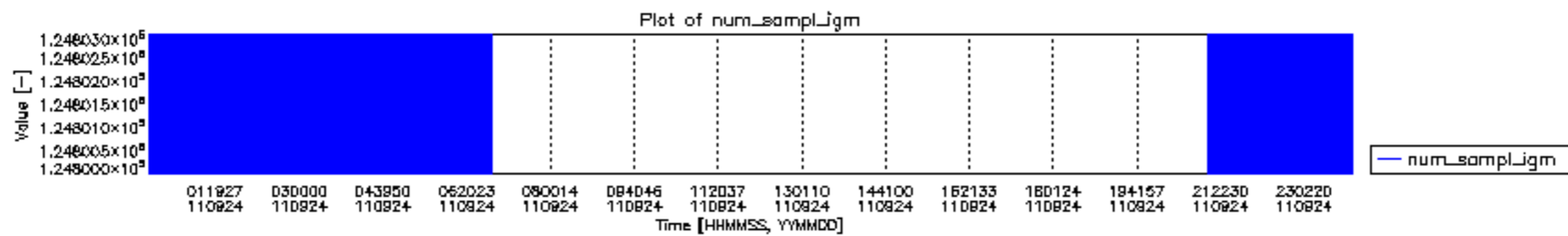
0	MIP_NL__0PNPDE20110924_003450_000059623107_00016_50030_9702.N1	0	1
1	MIP_NL__0PNPDE20110924_021311_000044583107_00017_50031_9703.N1	0	1
2	MIP_NL__0PNPDE20110924_032656_000061543107_00018_50032_9704.N1	0	1
3	MIP_NL__0PNPDE20110924_050857_000060143107_00019_50033_9705.N1	0	1
4	MIP_NL__0PNPDE20110924_210655_000042513107_00029_50043_9706.N1	0	2
5	MIP_NL__0PNPDE20110924_221648_000061463107_00029_50043_9707.N1	0	2
6	MIP_NL__0PNPDE20110924_235809_000060773107_00030_50044_9708.N1	0	2

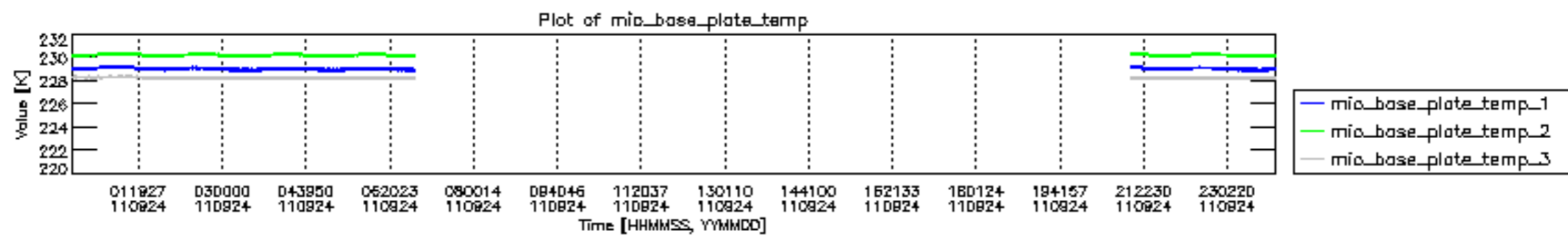


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110924\_12.PNG

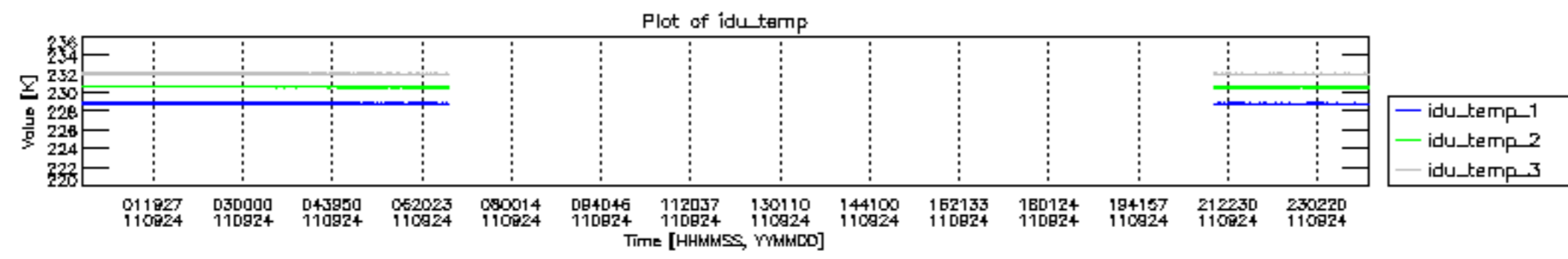


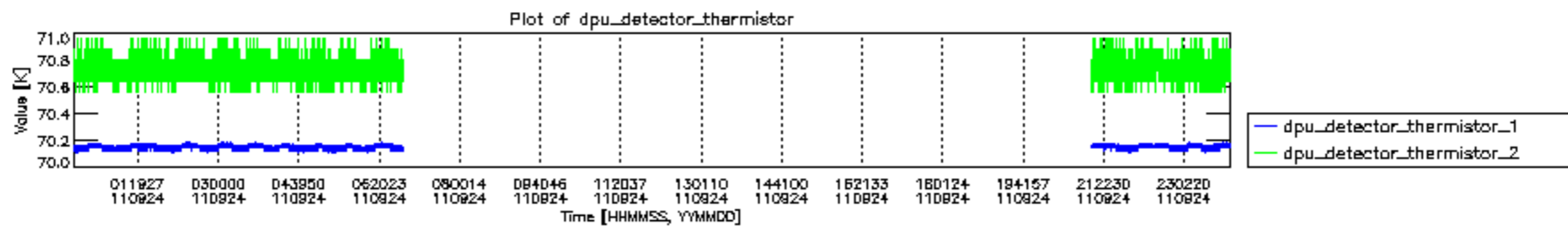
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110924\_13.PNG

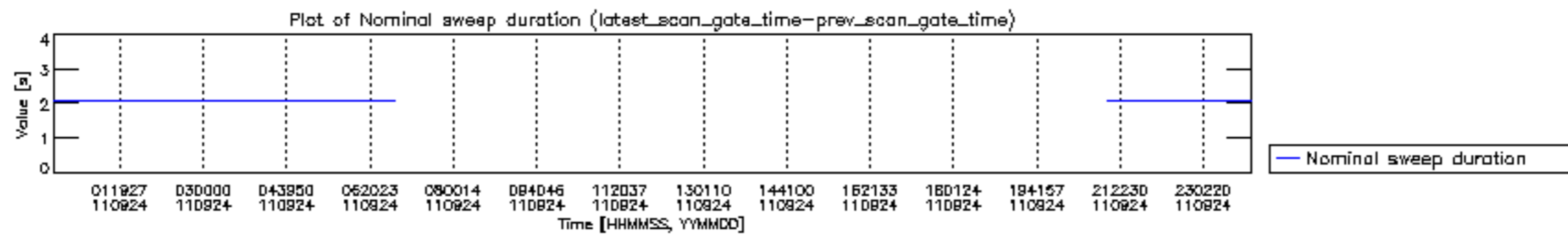


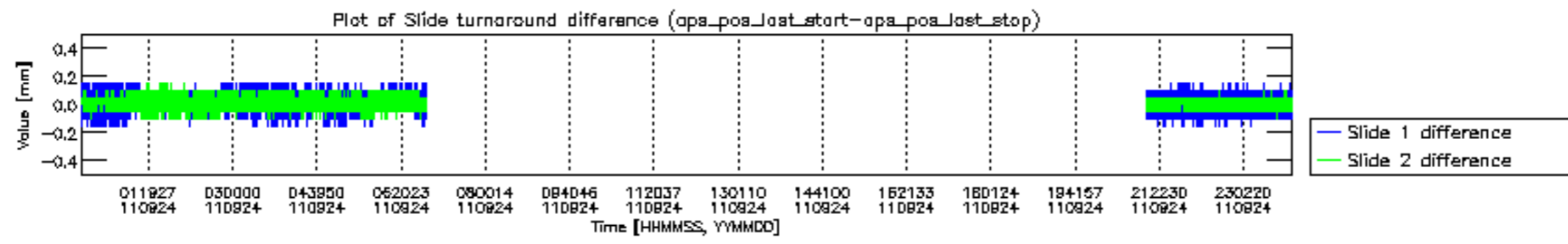


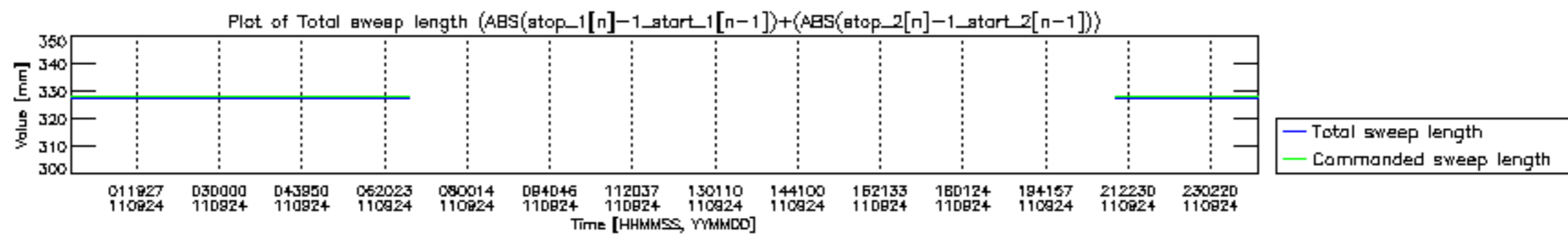


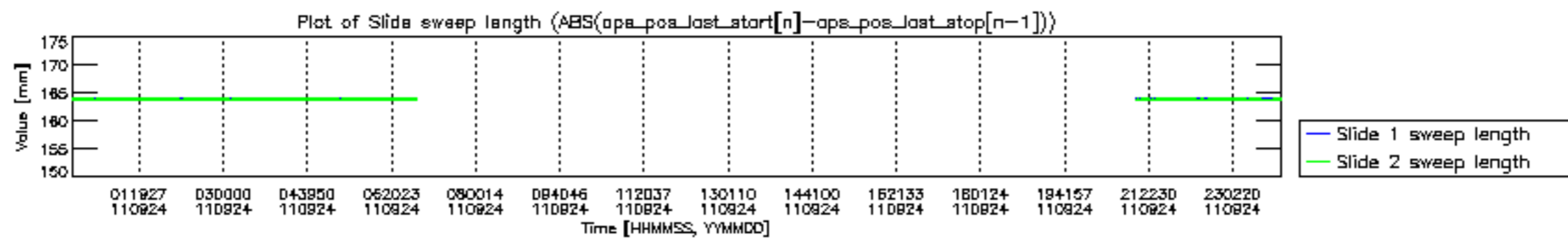




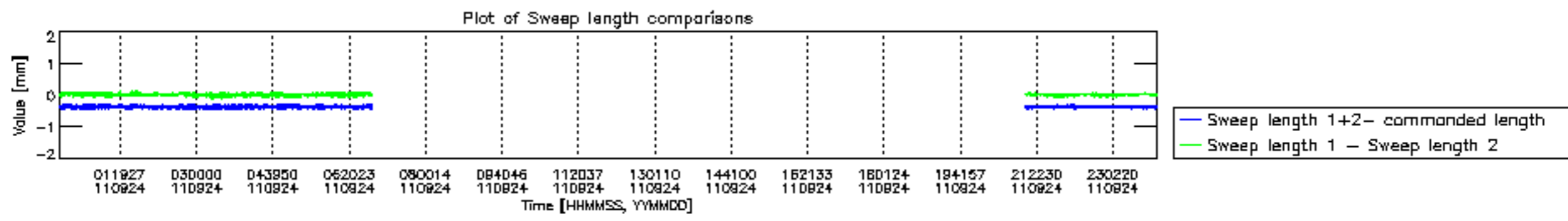


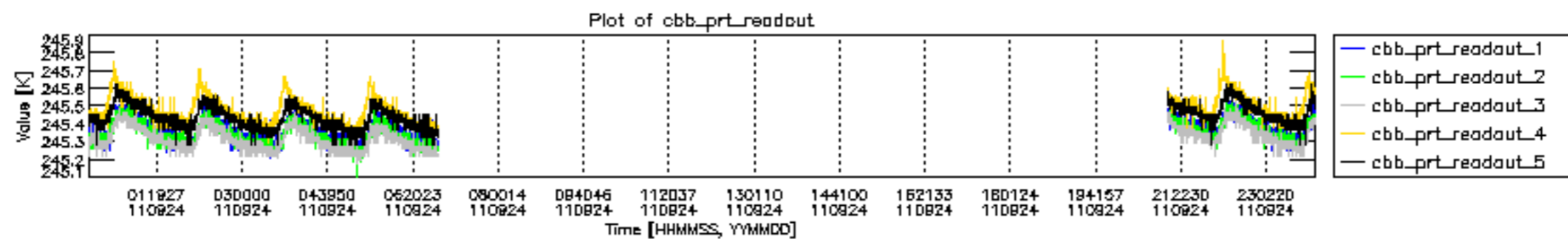


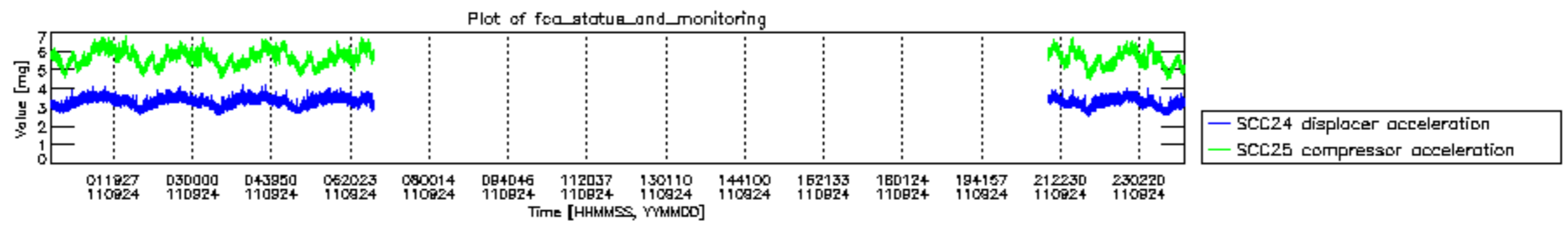












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

