

## 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	28SEP2011 05:21:23
Data source version	KSPT_L0/4504-N
Processing scope for products	23SEP2011 00:00:00 to 24SEP2011 00:00:00
Start time of first product within scope	23SEP2011 01:10:26
Stop time of last product within scope	24SEP2011 00:35:53
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.

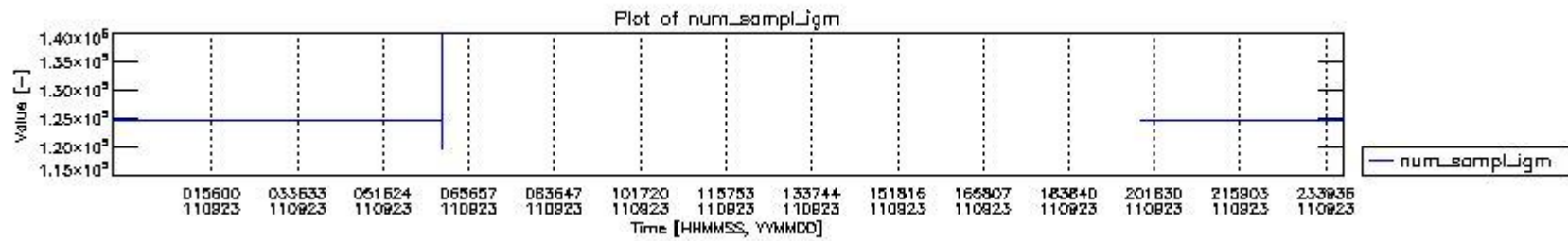
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110923_011026_000103183107_00002_50016_9696.N1	23SEP2011 01:10:26	23SEP2011 04:02:24	0	0	0	0	0
1	MIP_NL__0PNPDE20110923_040146_000062023107_00004_50018_9697.N1	23SEP2011 04:01:46	23SEP2011 05:45:08	0	0	0	0	0
2	MIP_NL__0PNPDE20110923_054431_000024783107_00005_50019_9698.N1	23SEP2011 05:44:31	23SEP2011 06:25:49	0	0	0	0	0
3	MIP_NL__0PNPDE20110923_200225_000040923107_00014_50028_9699.N1	23SEP2011 20:02:25	23SEP2011 21:10:38	0	0	0	0	0
4	MIP_NL__0PNPDE20110923_210835_000065373107_00014_50028_9700.N1	23SEP2011 21:08:35	23SEP2011 22:57:31	0	0	0	0	0
5	MIP_NL__0PNPDE20110923_225629_000059643107_00015_50029_9701.N1	23SEP2011 22:56:29	24SEP2011 00:35:53	0	0	0	0	0

## 0.2 Instrument Operational Performance Parameters

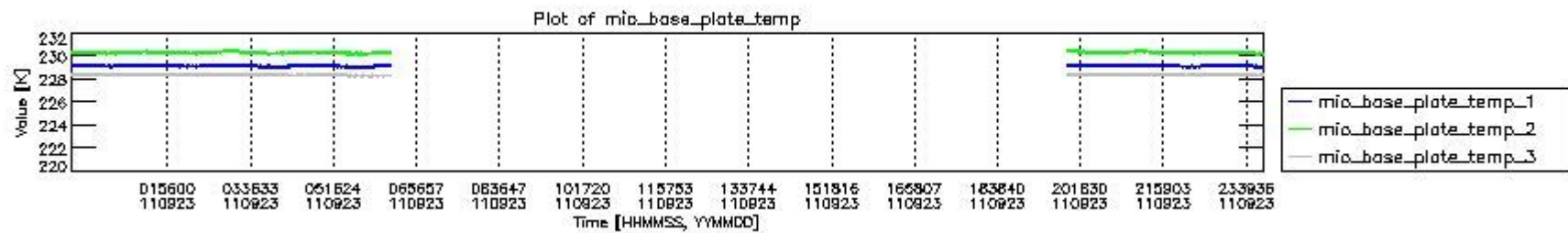
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP\_NL\_\_0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is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

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

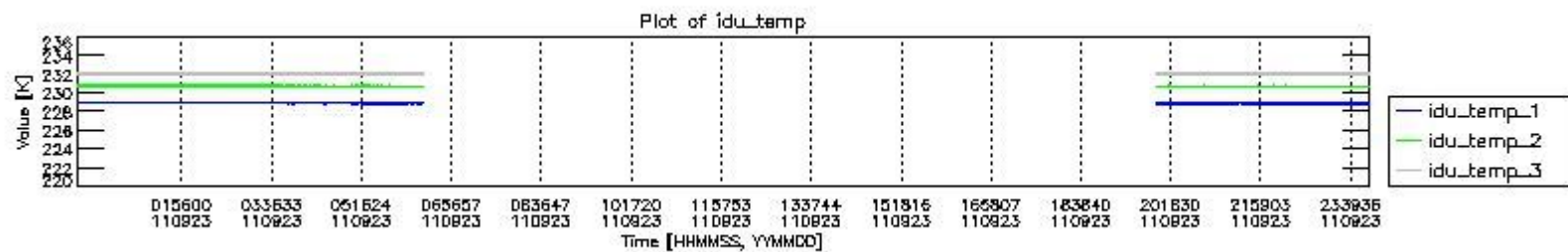
Number of igm samples	Count [#]	Count [%]
119799	1	0.0055623540
124800	16685	92.807876
124803	1290	7.1754366
134930	1	0.0055623540
139931	1	0.0055623540



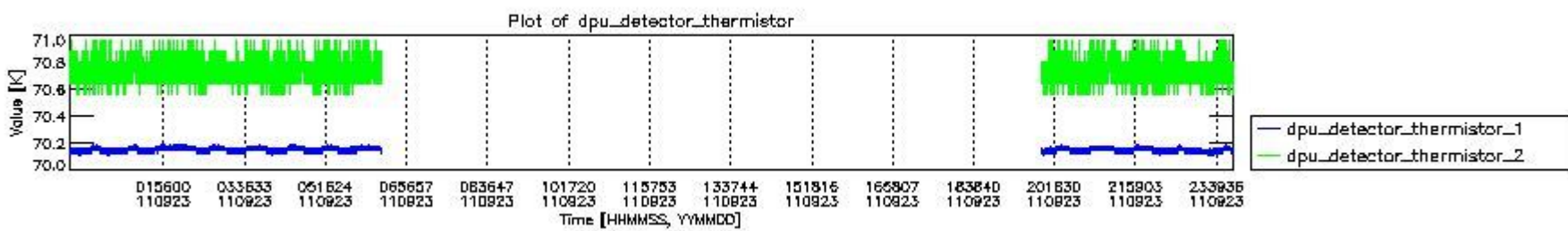
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110923\_0.PNG



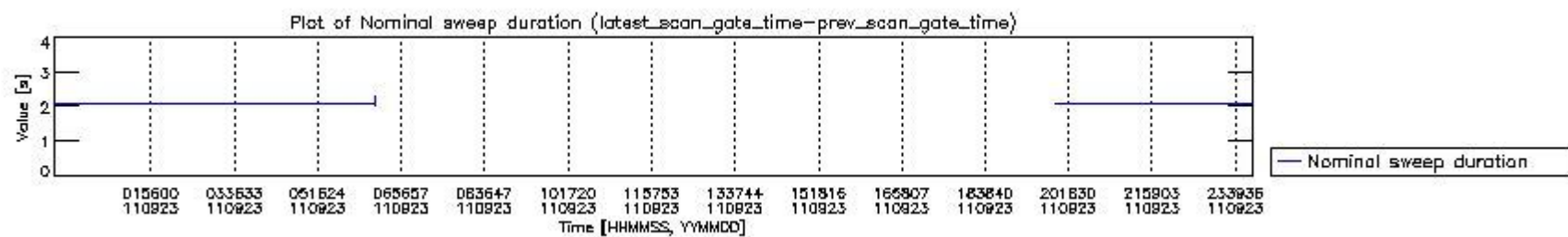
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110923\_1.PNG



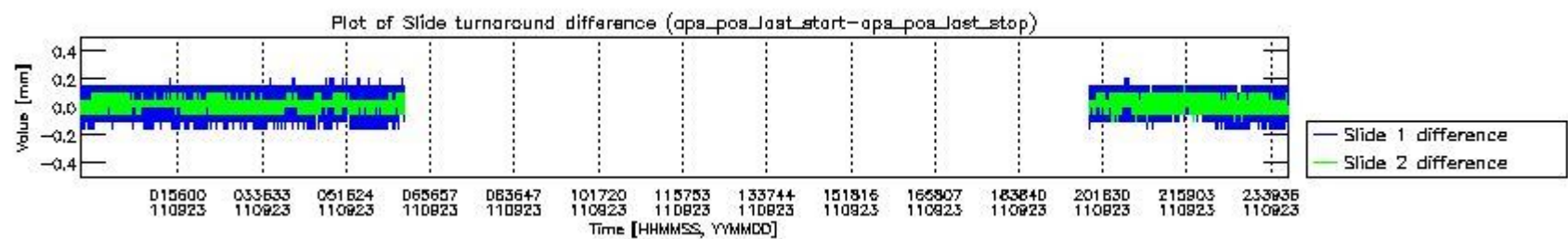
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110923\_2.PNG



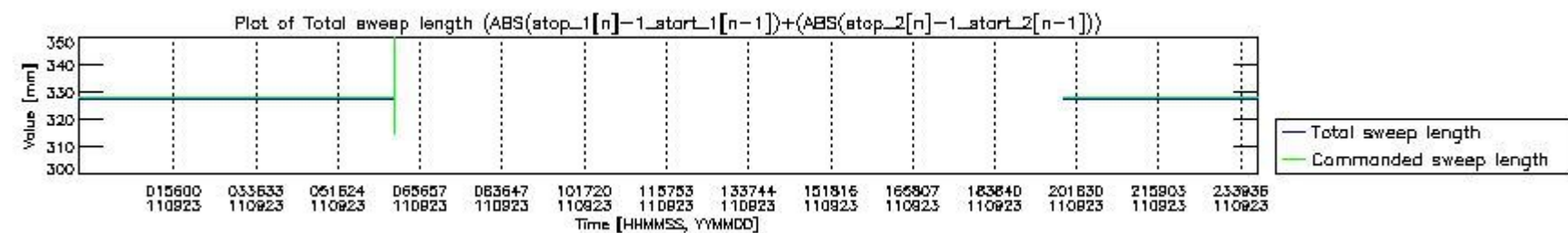
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110923\_3.PNG



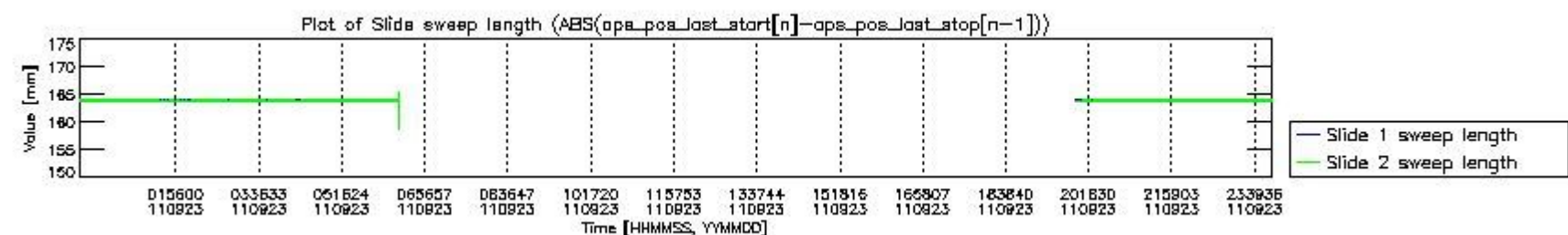
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110923\_4.PNG



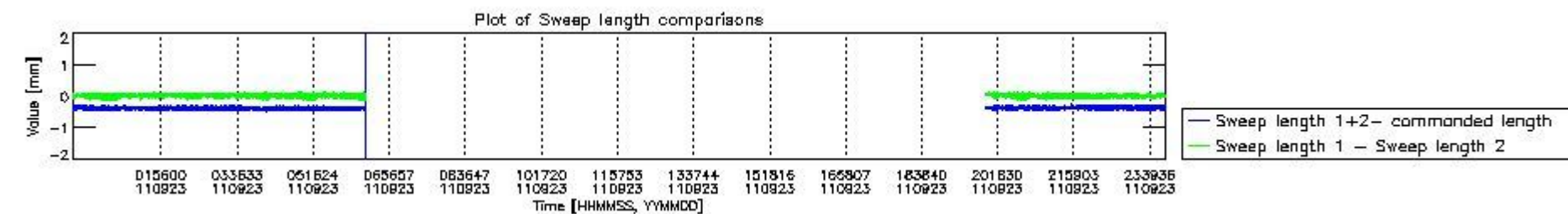
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110923\_5.PNG



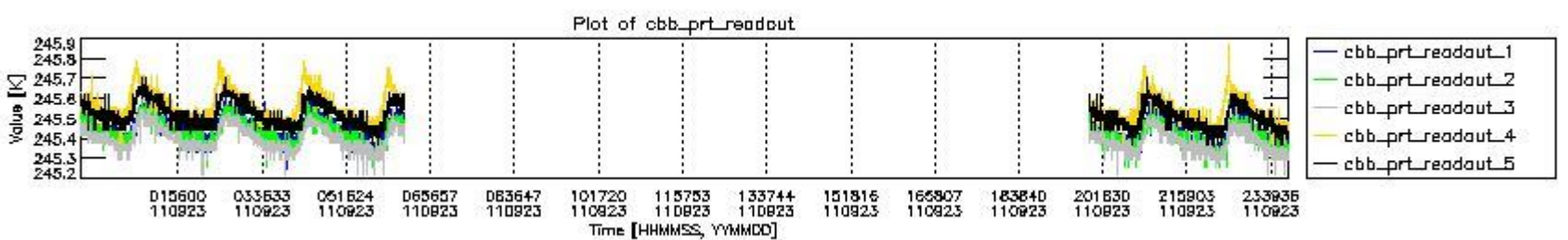
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110923\_6.PNG



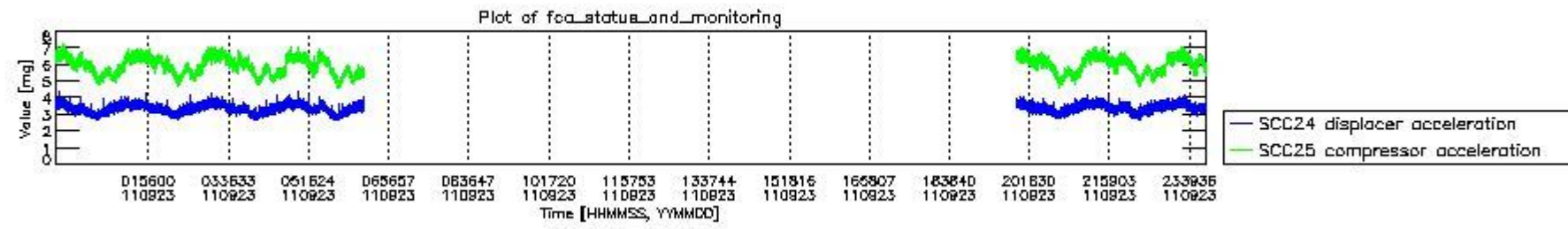
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110923\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110923\_8.PNG



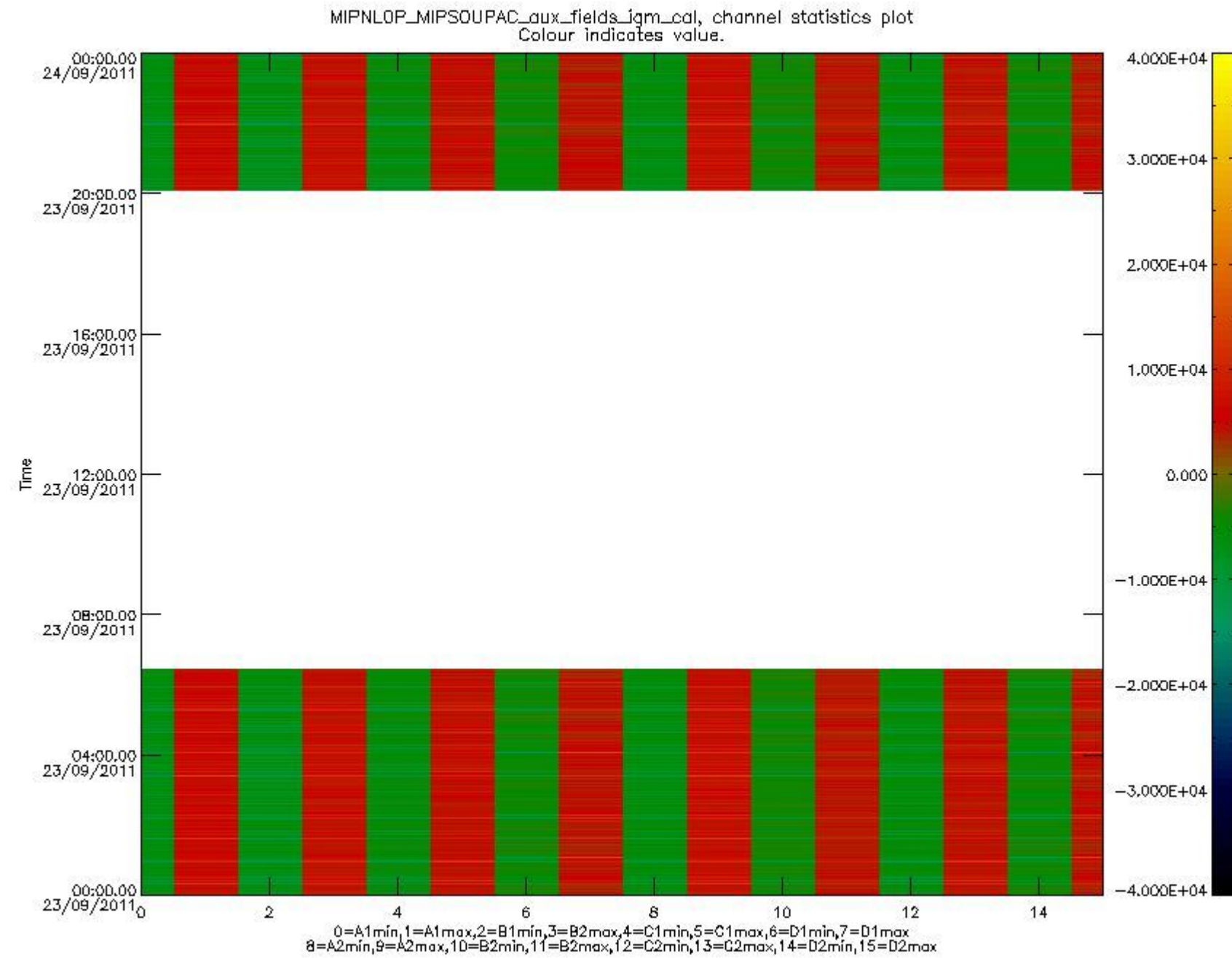
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110923\_9.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110923\_10.PNG

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

Channel	Min	Max	ADC
A1	-32768	32767	16bit
B1	-32768	32767	16bit
C1	-22050	19502	16bit
D1	-32768	32767	16bit
A2	-32768	28256	16bit
B2	-32768	32767	16bit
C2	-20070	25175	16bit
D2	-32768	32767	16bit



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110923\_11.PNG

### 0.3 ADF monitoring

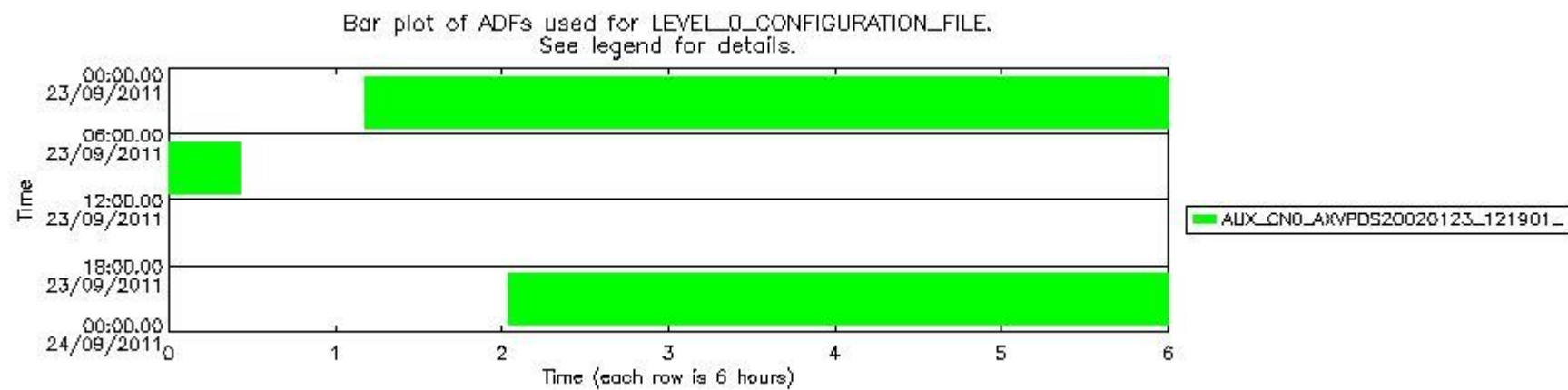
The use of ADFs is shown in two ways:

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.

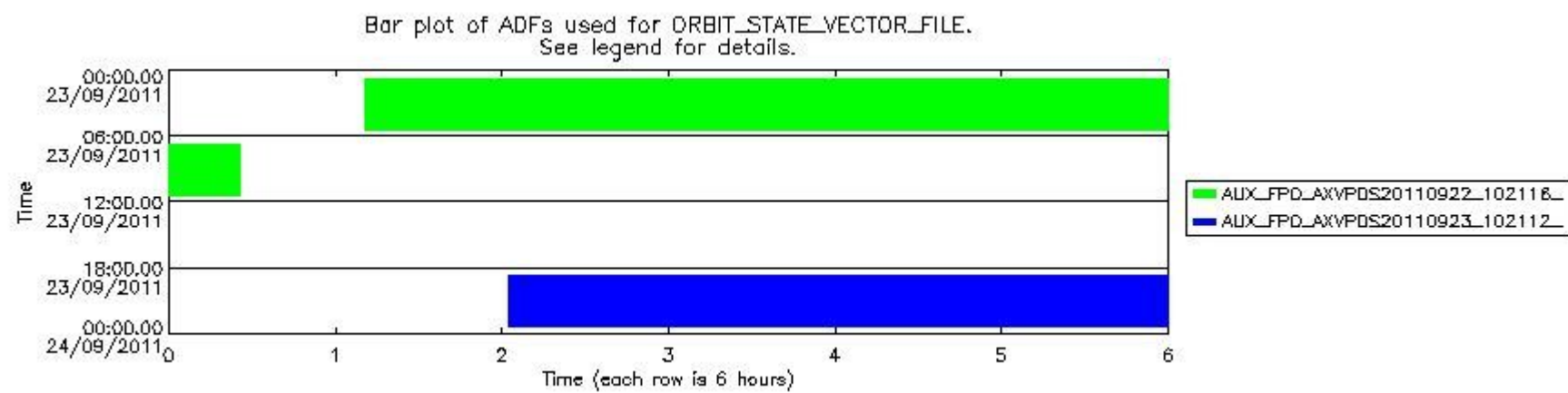
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110922_102116_20110922_070139_20111002_091524
2	AUX_FPO_AXVPDS20110923_102112_20110922_184317_20111002_205702

Number	Product name	#CN0	#FPO
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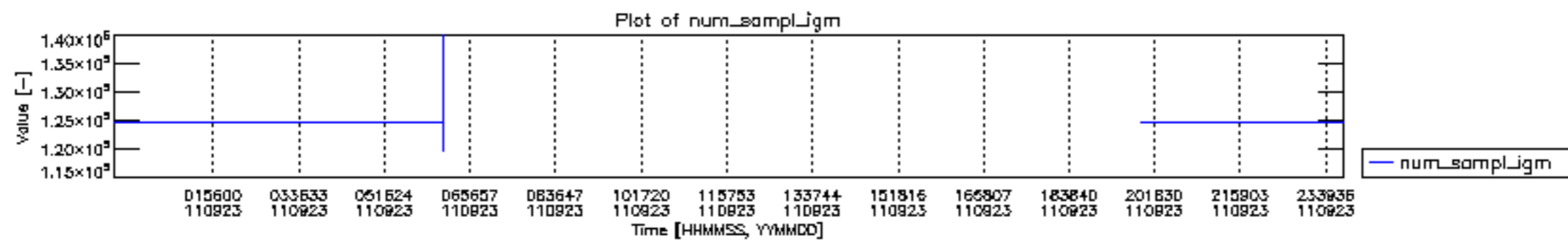
0	MIP_NL__0PNPDE20110923_011026_000103183107_00002_50016_9696.N1	0	1
1	MIP_NL__0PNPDE20110923_040146_000062023107_00004_50018_9697.N1	0	1
2	MIP_NL__0PNPDE20110923_054431_000024783107_00005_50019_9698.N1	0	1
3	MIP_NL__0PNPDE20110923_200225_000040923107_00014_50028_9699.N1	0	2
4	MIP_NL__0PNPDE20110923_210835_000065373107_00014_50028_9700.N1	0	2
5	MIP_NL__0PNPDE20110923_225629_000059643107_00015_50029_9701.N1	0	2

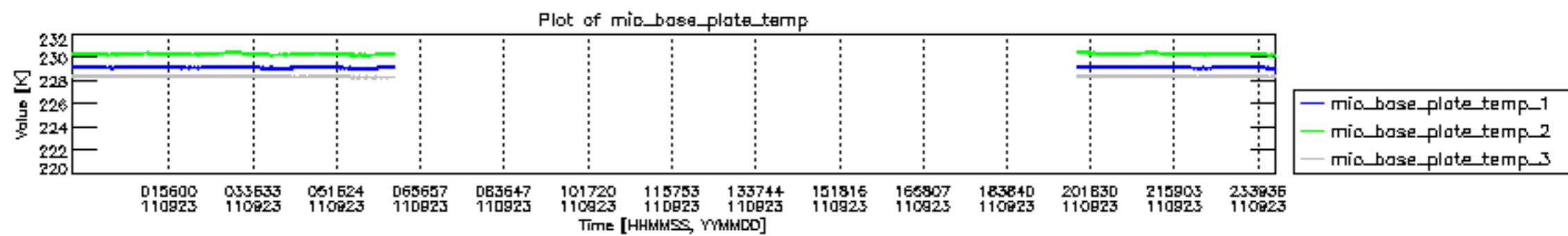


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110923\_12.PNG

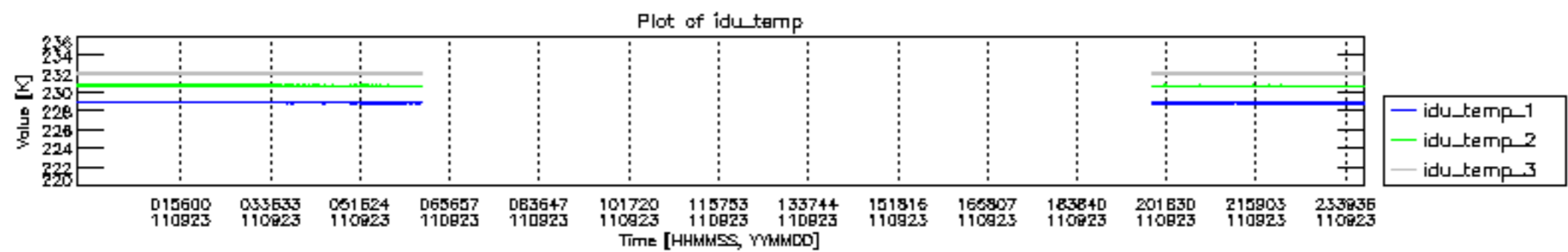


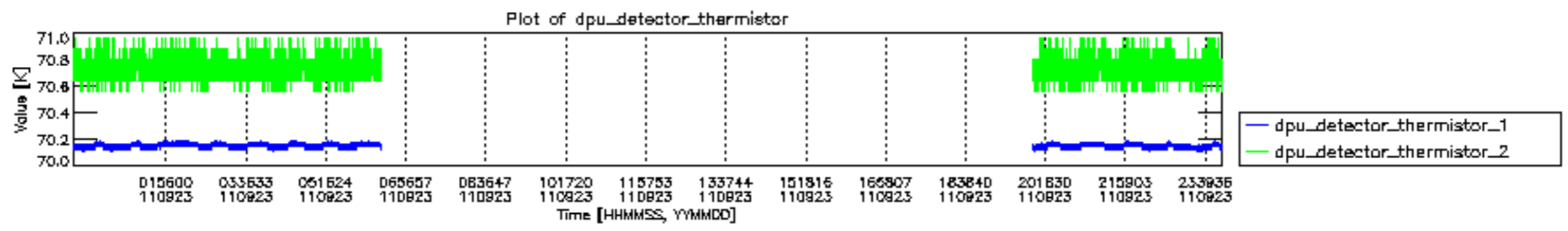
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110923\_13.PNG

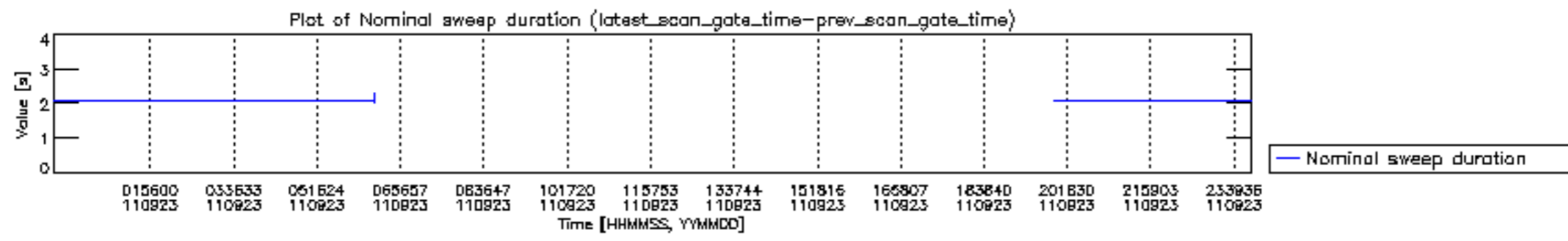


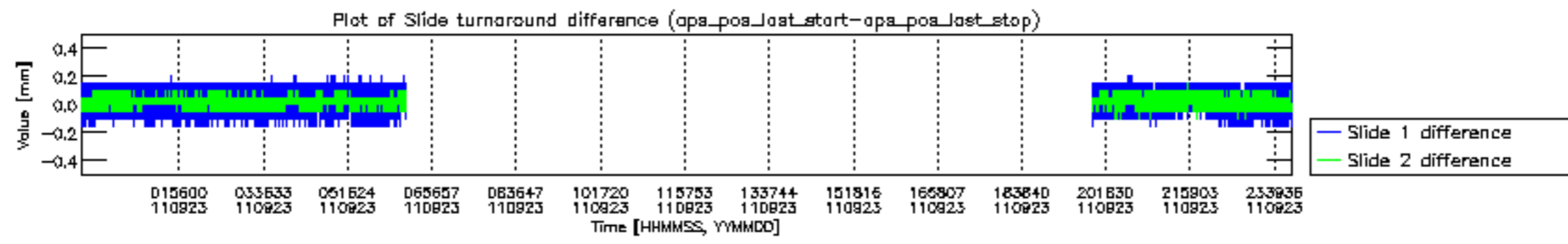


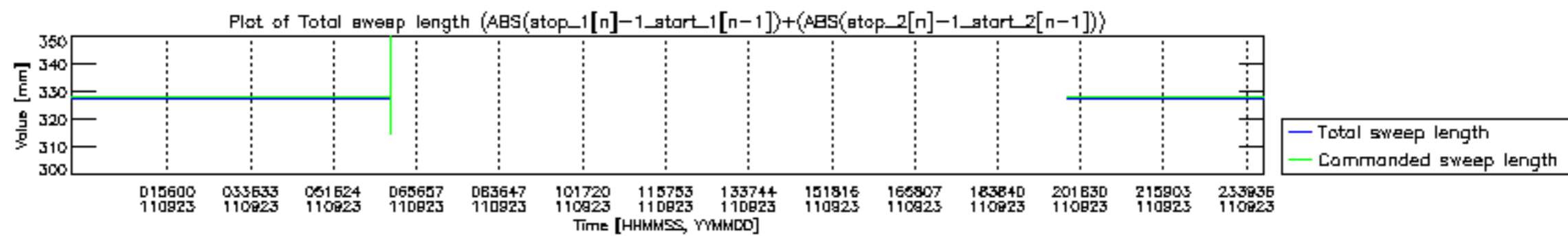


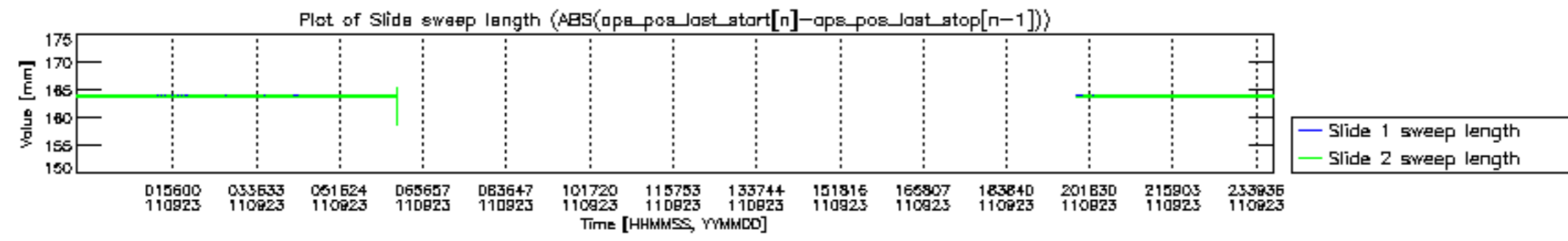


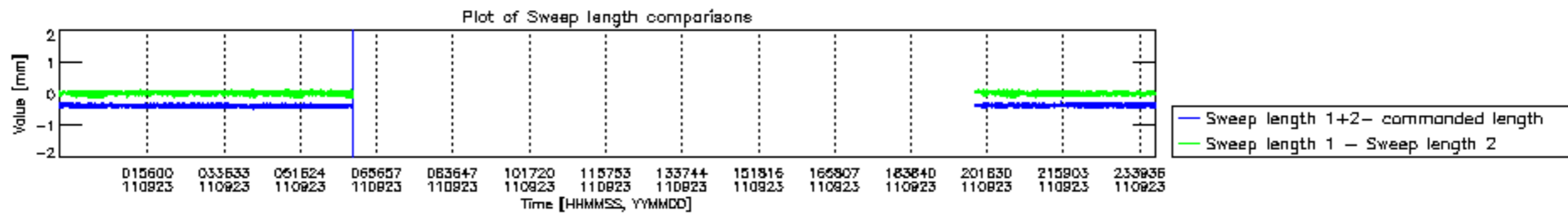


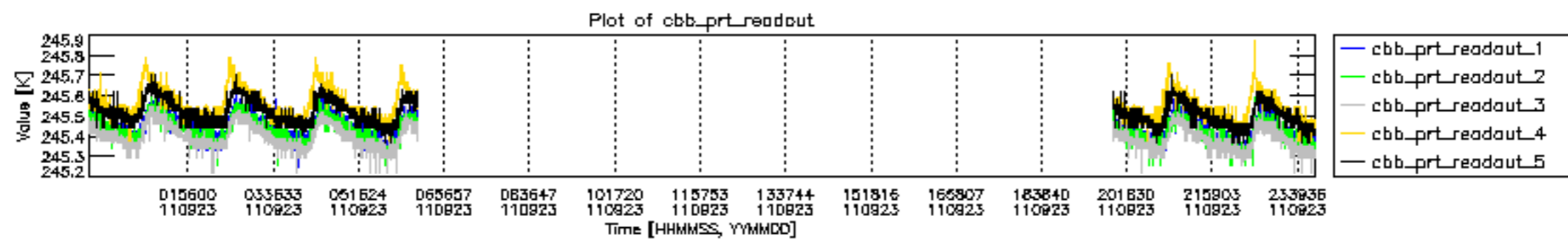




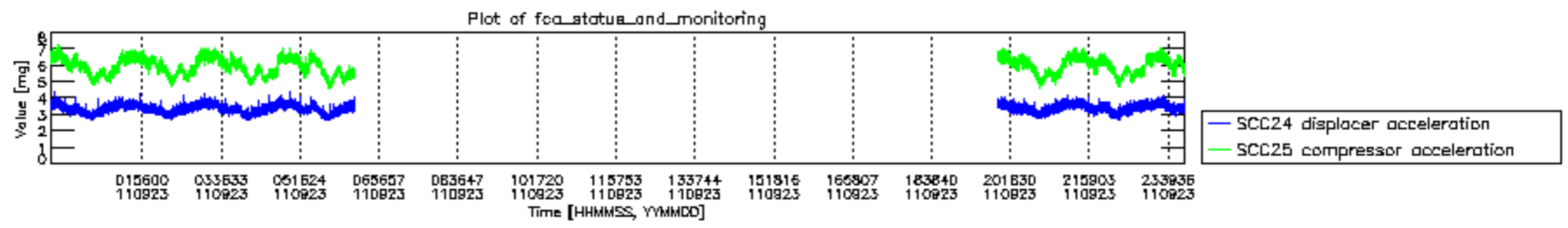












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

