

## 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	17SEP2011 05:29:42
Data source version	KSPT_L0/4504-N
Processing scope for products	12SEP2011 00:00:00 to 13SEP2011 00:00:00
Start time of first product within scope	12SEP2011 01:14:32
Stop time of last product within scope	13SEP2011 00:40:22
Total number of level 0 products	13
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__0PNPDE20110912_011432_000103453106_00275_49858_9617.N1	12SEP2011 01:14:32	12SEP2011 04:06:57	0	0	0	0	0
1	MIP_NL__0PNPDE20110912_040626_000061633106_00277_49860_9618.N1	12SEP2011 04:06:26	12SEP2011 05:49:08	0	0	0	0	0
2	MIP_NL__0PNPDK20110912_072955_000040193106_00279_49862_6293.N1	12SEP2011 07:29:55	12SEP2011 08:36:55	0	0	0	0	0
3	MIP_NL__0PNPDK20110912_083621_000060713106_00280_49863_6294.N1	12SEP2011 08:36:21	12SEP2011 10:17:32	0	0	0	0	0
4	MIP_NL__0PNPDK20110912_101648_000060253106_00281_49864_6295.N1	12SEP2011 10:16:48	12SEP2011 11:57:13	0	0	0	0	0
5	MIP_NL__0PNPDK20110912_115629_000059063106_00282_49865_6296.N1	12SEP2011 11:56:29	12SEP2011 13:34:55	0	0	0	0	0
6	MIP_NL__0PNPDK20110912_133413_000058783106_00283_49866_6297.N1	12SEP2011 13:34:13	12SEP2011 15:12:11	0	0	0	0	0
7	MIP_NL__0PNPDK20110912_151033_000059123106_00284_49867_6298.N1	12SEP2011 15:10:33	12SEP2011 16:49:05	0	0	0	0	0
8	MIP_NL__0PNPDK20110912_164804_000060563106_00285_49868_6299.N1	12SEP2011 16:48:04	12SEP2011 18:29:00	0	0	0	0	0
9	MIP_NL__0PNPDK20110912_182802_000058433106_00286_49869_6300.N1	12SEP2011 18:28:02	12SEP2011 20:05:25	0	0	0	0	0
10	MIP_NL__0PNPDE20110912_200414_000040783106_00287_49870_9623.N1	12SEP2011 20:04:14	12SEP2011 21:12:12	0	0	0	0	0
11	MIP_NL__0PNPDE20110912_211015_000066433106_00287_49870_9624.N1	12SEP2011 21:10:15	12SEP2011 23:00:58	0	0	0	0	0
12	MIP_NL__0PNPDE20110912_225953_000060293106_00288_49871_9625.N1	12SEP2011 22:59:53	13SEP2011 00:40:22	0	0	0	0	0

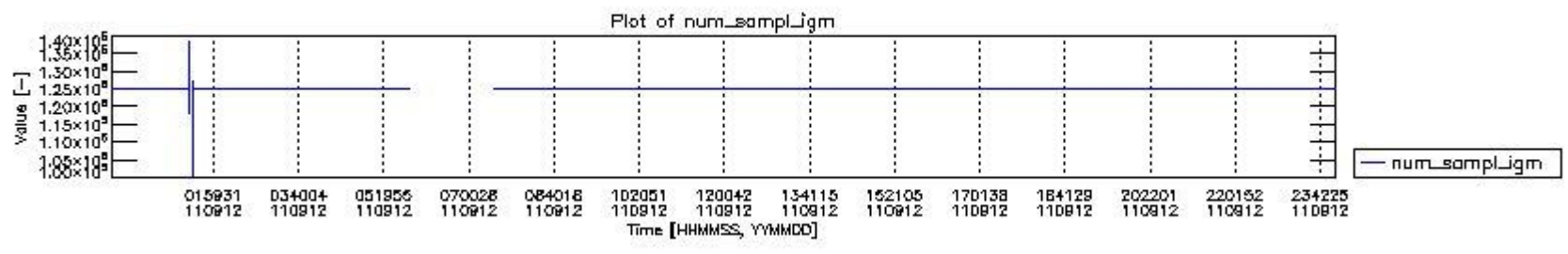
## 0.2 Instrument Operational Performance Parameters

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.

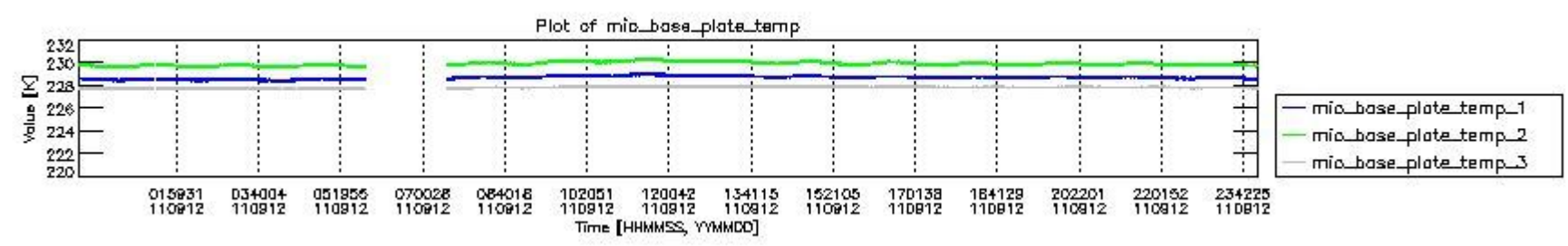
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100706	1	0.0025916807
118312	1	0.0025916807
124800	35857	92.929895
124803	2722	7.0545549
125958	1	0.0025916807

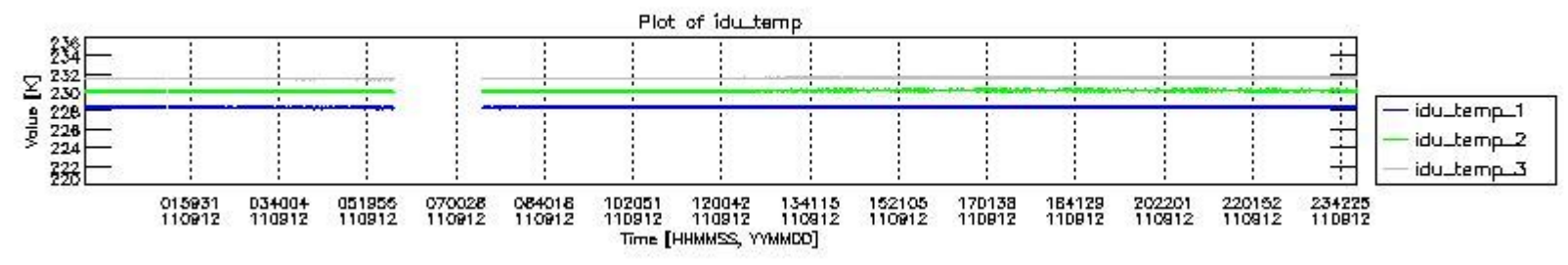
127116	1	0.0025916807
131956	1	0.0025916807
138444	1	0.0025916807



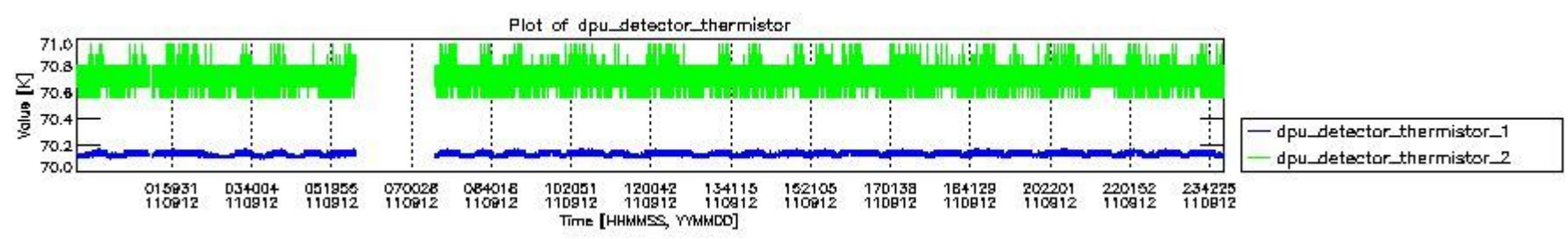
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110912\_0.PNG



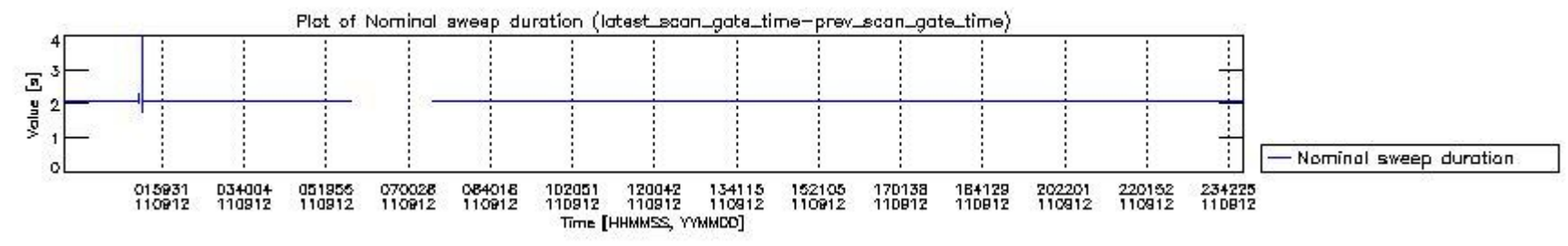
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110912\_1.PNG



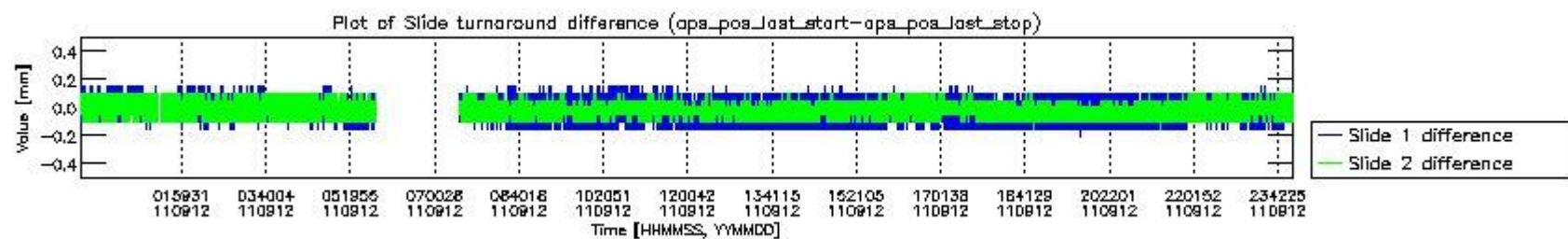
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110912\_2.PNG



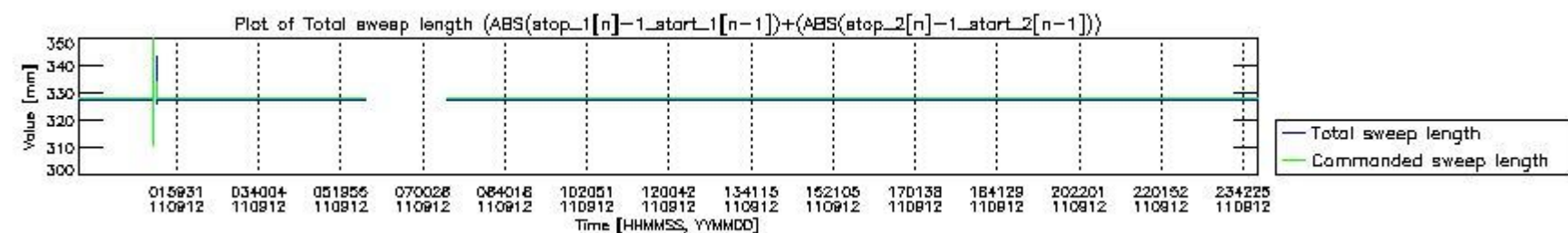
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110912\_3.PNG



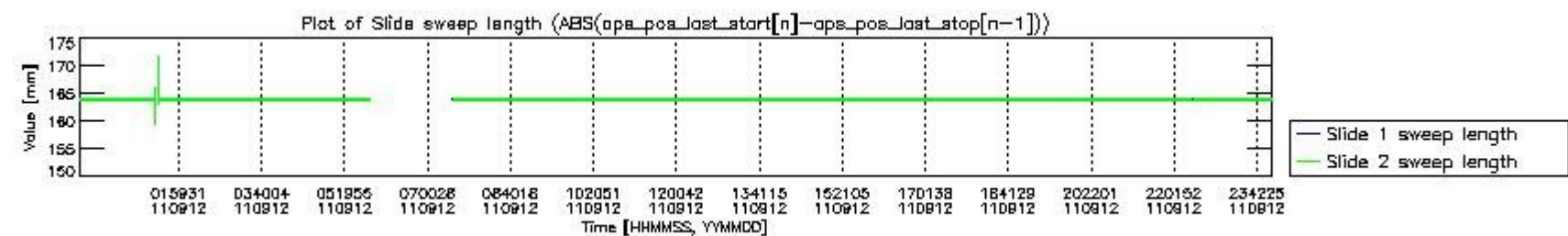
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110912\_4.PNG



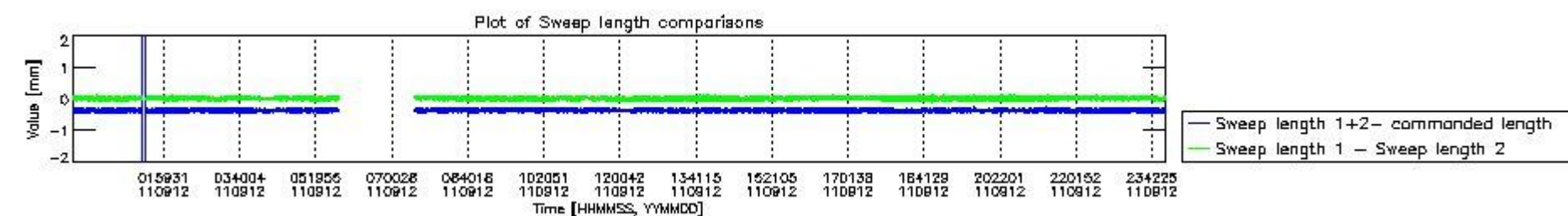
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110912\_5.PNG



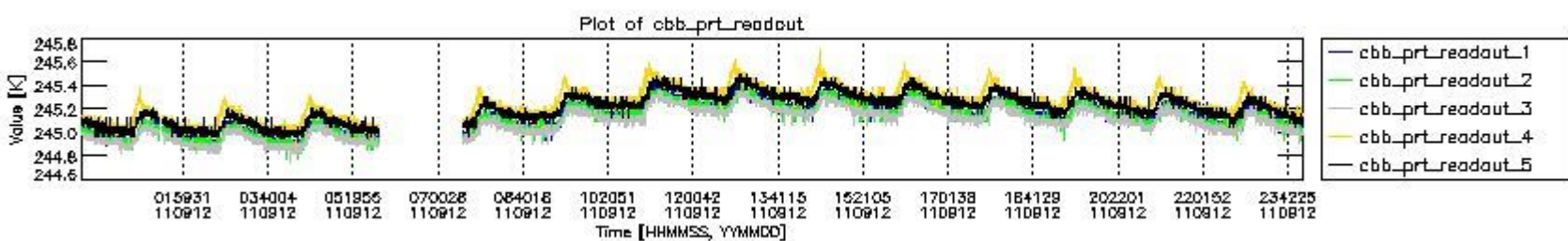
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110912\_6.PNG



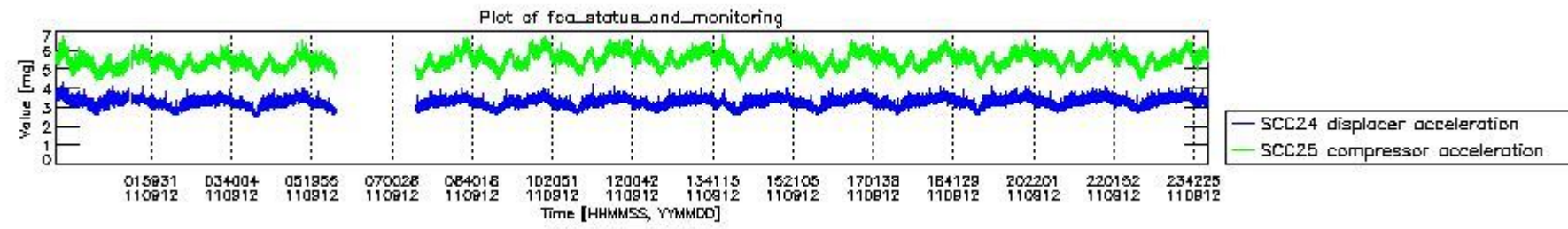
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110912\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110912\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110912\_9.PNG

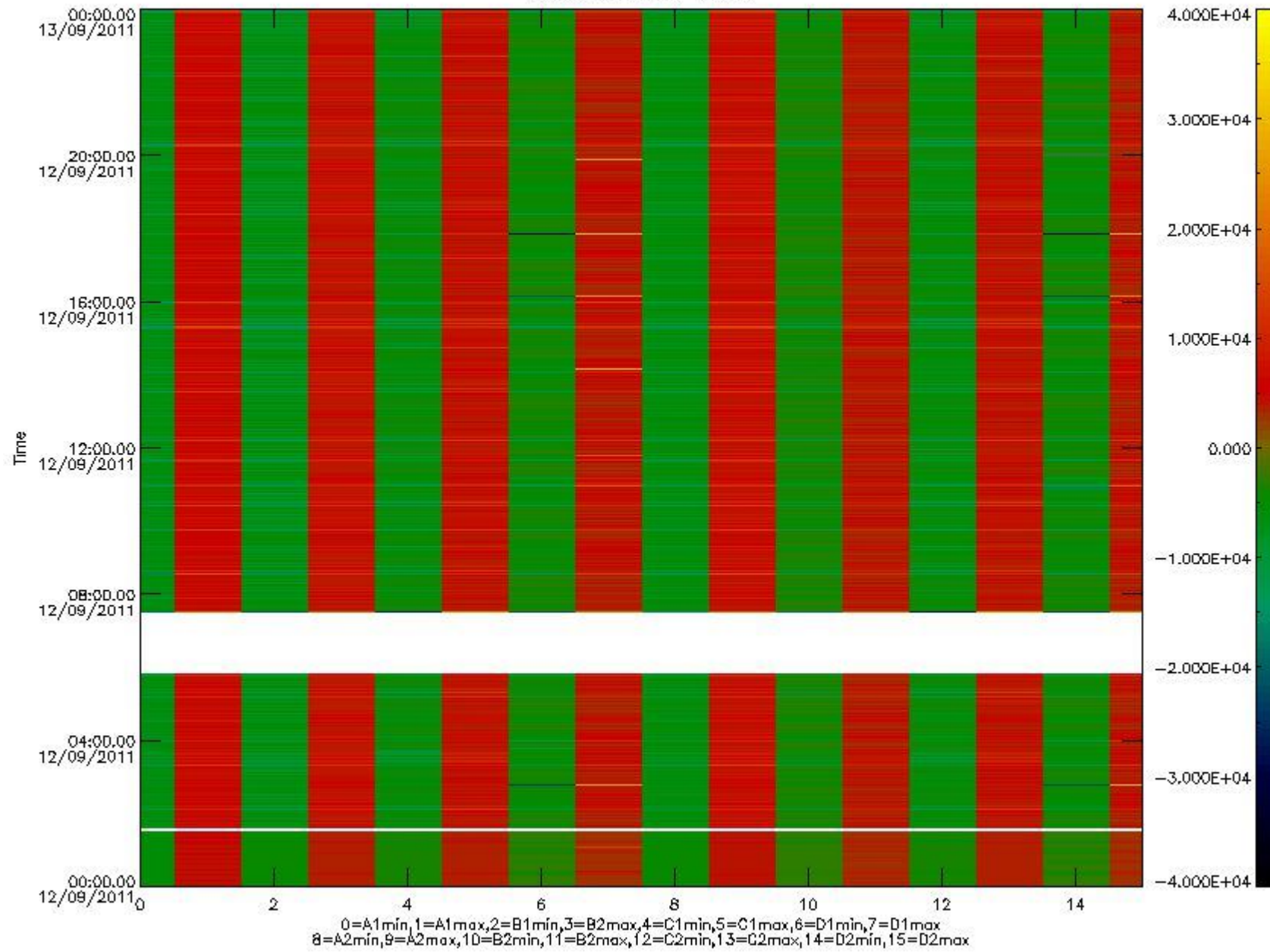


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110912\_10.PNG

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

Channel	Min	Max	ADC
A1	-18151	19308	16bit
B1	-20321	17513	16bit
C1	-25151	24904	16bit
D1	-32768	32767	16bit
A2	-15723	19429	16bit
B2	-18105	17805	16bit
C2	-26208	25666	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\_20110912\_11.PNG

### 0.3 ADF monitoring

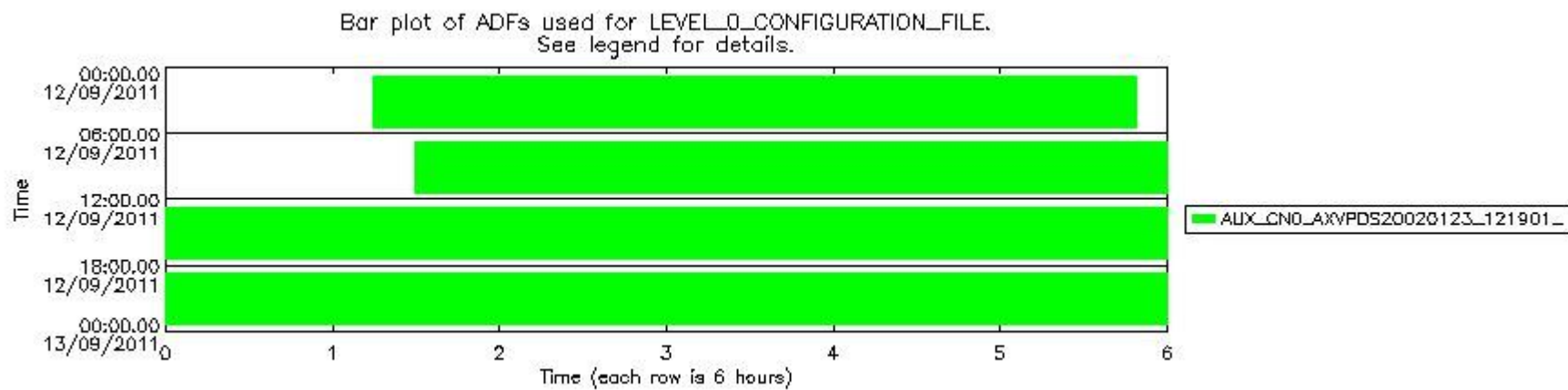
The use of ADFs is shown in two ways:

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.

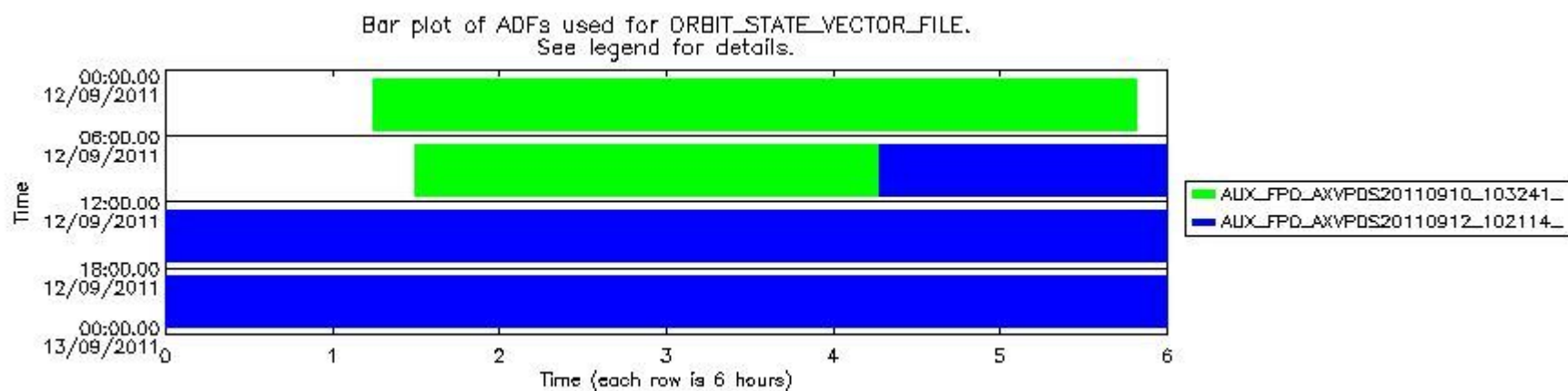
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110910_103241_20110909_181945_20110919_203331
2	AUX_FPO_AXVPDS20110912_102114_20110910_192315_20110920_213700

Number	Product name	#CN0	#FPO
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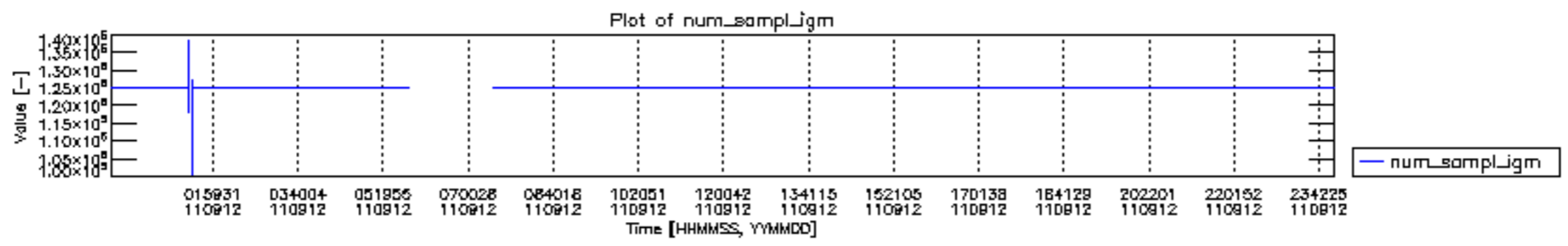
0	MIP_NL__0PNPDE20110912_011432_000103453106_00275_49858_9617.N1	0	1
1	MIP_NL__0PNPDE20110912_040626_000061633106_00277_49860_9618.N1	0	1
2	MIP_NL__0PNPDK20110912_072955_000040193106_00279_49862_6293.N1	0	1
3	MIP_NL__0PNPDK20110912_083621_000060713106_00280_49863_6294.N1	0	1
4	MIP_NL__0PNPDK20110912_101648_000060253106_00281_49864_6295.N1	0	2
5	MIP_NL__0PNPDK20110912_115629_000059063106_00282_49865_6296.N1	0	2
6	MIP_NL__0PNPDK20110912_133413_000058783106_00283_49866_6297.N1	0	2
7	MIP_NL__0PNPDK20110912_151033_000059123106_00284_49867_6298.N1	0	2
8	MIP_NL__0PNPDK20110912_164804_000060563106_00285_49868_6299.N1	0	2
9	MIP_NL__0PNPDK20110912_182802_000058433106_00286_49869_6300.N1	0	2
10	MIP_NL__0PNPDE20110912_200414_000040783106_00287_49870_9623.N1	0	2
11	MIP_NL__0PNPDE20110912_211015_000066433106_00287_49870_9624.N1	0	2
12	MIP_NL__0PNPDE20110912_225953_000060293106_00288_49871_9625.N1	0	2

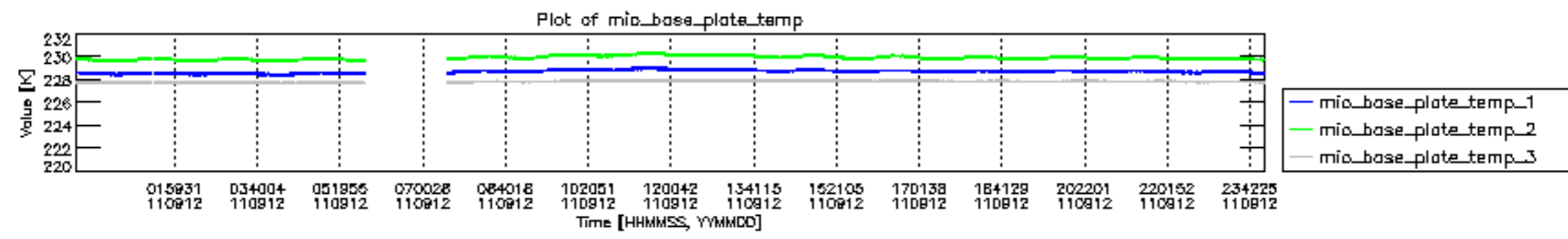


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110912\_12.PNG

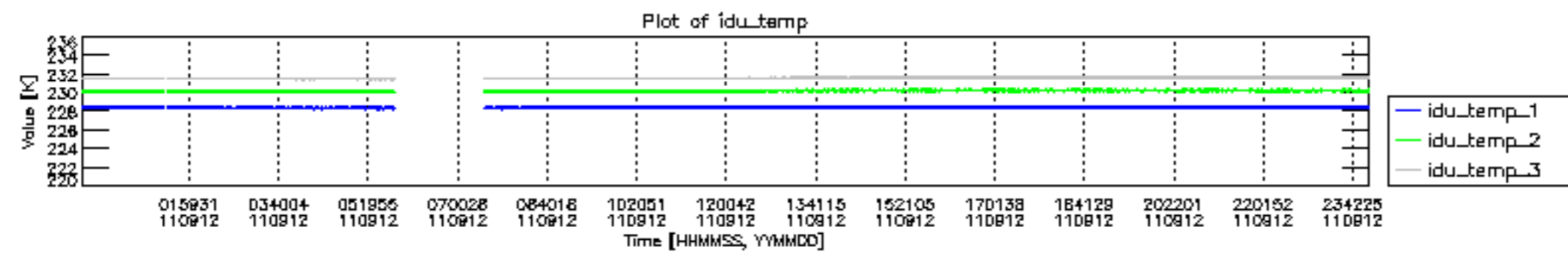


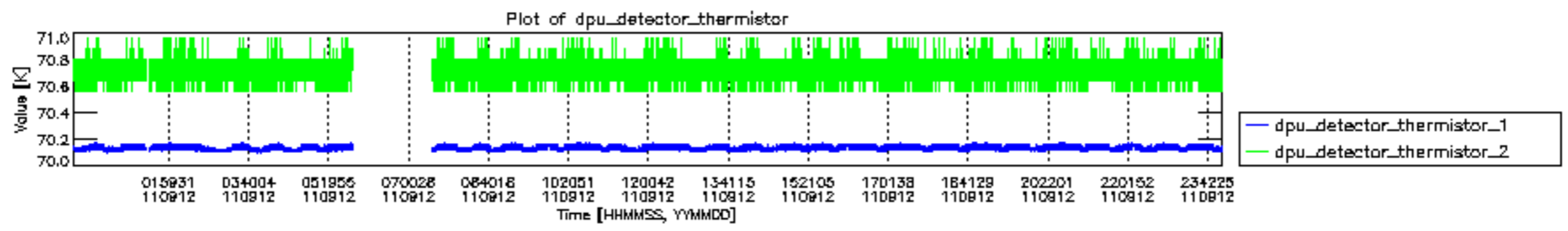
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110912\_13.PNG

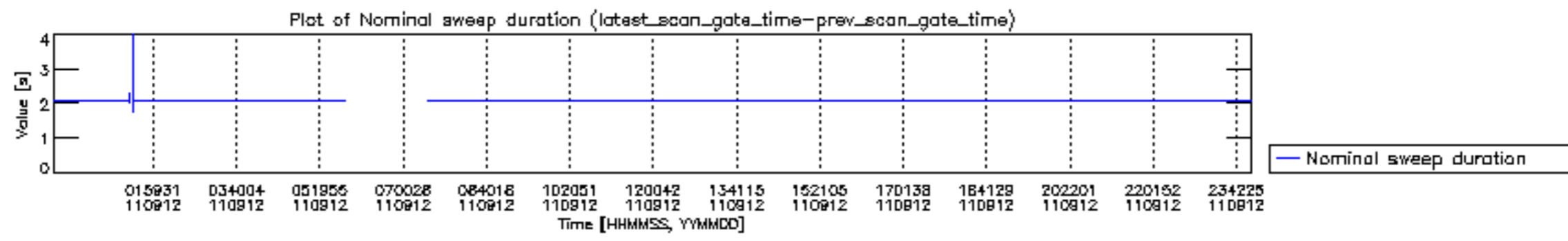


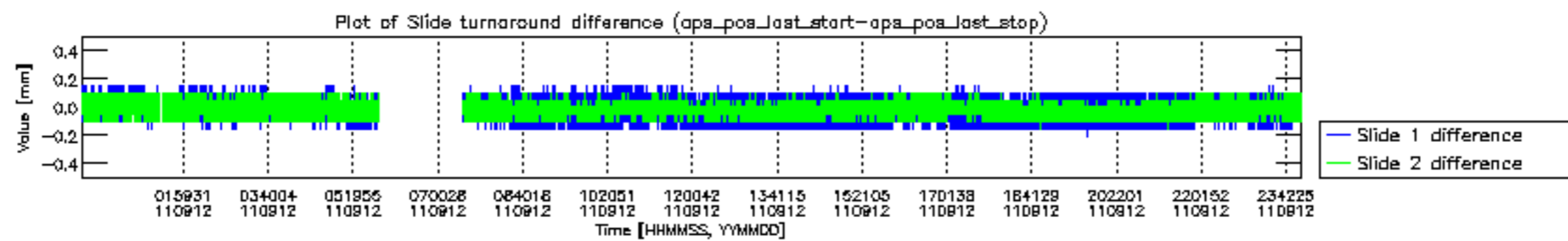


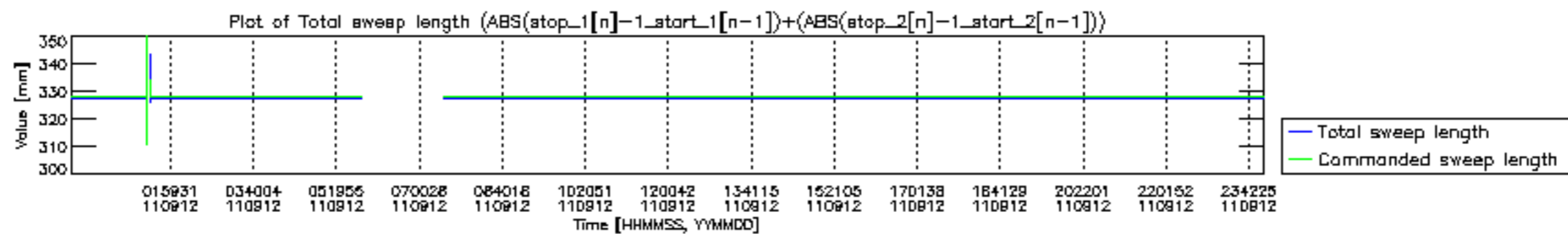


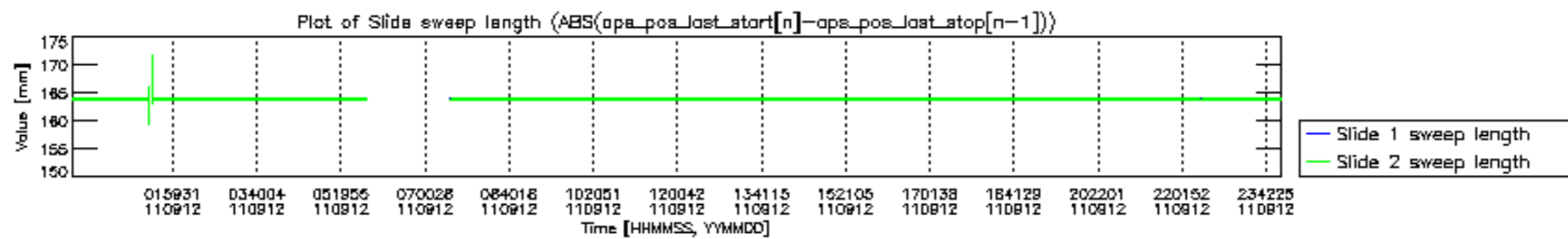


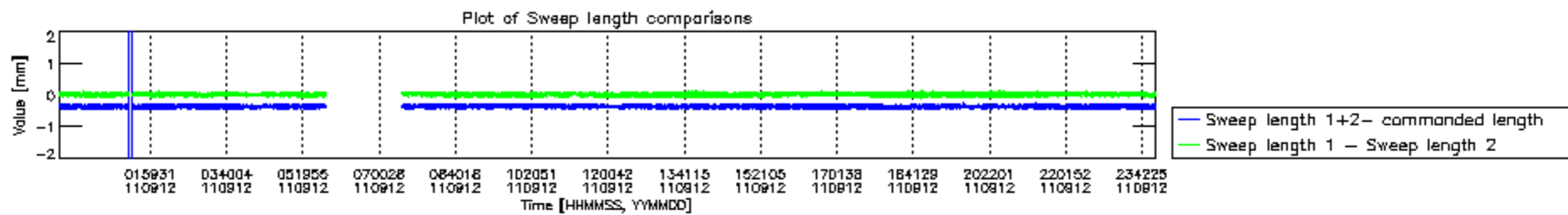


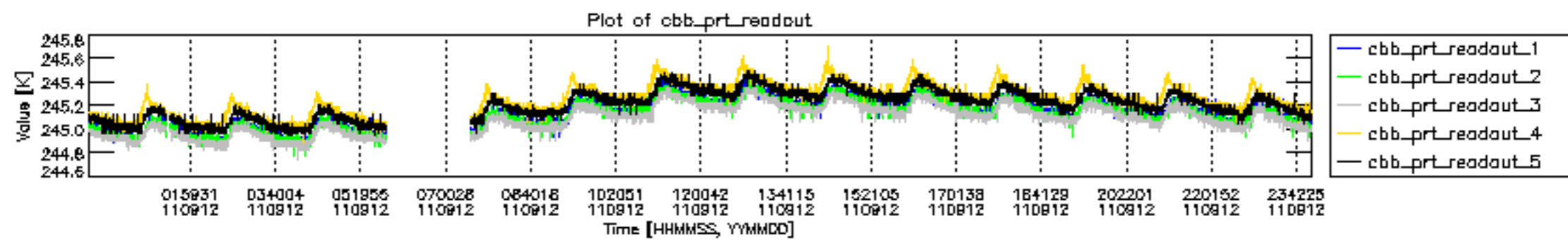




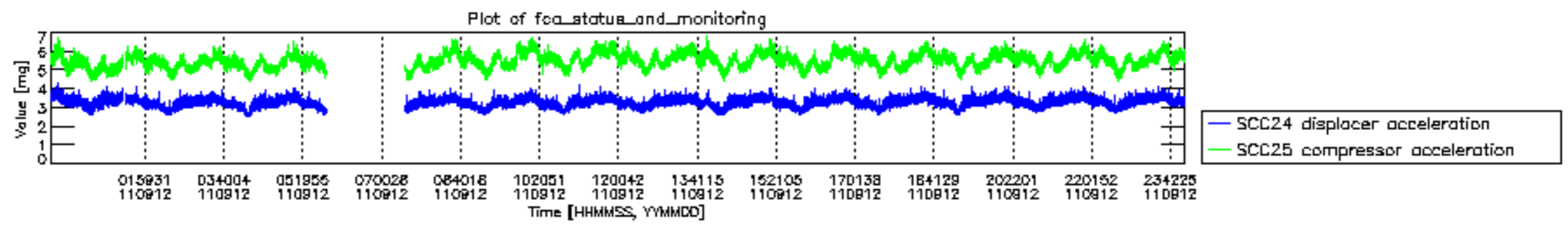












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

