

## 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	16JUL2011 05:23:28
Data source version	KSPT_L0/4504-N
Processing scope for products	11JUL2011 00:00:00 to 12JUL2011 00:00:00
Start time of first product within scope	11JUL2011 01:23:36
Stop time of last product within scope	12JUL2011 00:49:28
Total number of level 0 products	14
Number of level 0 products with errors	2

### 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__0PNPDE20110711_012336_000103253104_00232_48953_9210.N1	11JUL2011 01:23:36	11JUL2011 04:15:41	0	0	0	0	0
1	MIP_NL__0PNPDE20110711_041508_000061943104_00234_48955_9211.N1	11JUL2011 04:15:08	11JUL2011 05:58:22	0	0	0	0	0
2	MIP_NL__0PNPDE20110711_055750_000061873104_00235_48956_9212.N1	11JUL2011 05:57:50	11JUL2011 07:40:58	0	0	0	0	0
3	MIP_NL__0PNPDK20110711_074024_000039423104_00236_48957_5738.N1	11JUL2011 07:40:24	11JUL2011 08:46:06	0	0	0	0	0
4	MIP_NL__0PNPDK20110711_084522_000060813104_00237_48958_5739.N1	11JUL2011 08:45:22	11JUL2011 10:26:43	0	0	0	0	0
5	MIP_NL__0PNPDK20110711_102600_000060353104_00238_48959_5740.N1	11JUL2011 10:26:00	11JUL2011 12:06:35	0	0	0	0	0
6	MIP_NL__0PNPDK20110711_120604_000059353104_00239_48960_5741.N1	11JUL2011 12:06:04	11JUL2011 13:44:59	1	1	0	0	0
7	MIP_NL__0PNPDK20110711_134425_000058493104_00240_48961_5742.N1	11JUL2011 13:44:25	11JUL2011 15:21:55	0	0	0	0	0
8	MIP_NL__0PNPDK20110711_152113_000058933104_00241_48962_5743.N1	11JUL2011 15:21:13	11JUL2011 16:59:26	1	1	1	0	0
9	MIP_NL__0PNPDK20110711_165840_000059023104_00242_48963_5744.N1	11JUL2011 16:58:40	11JUL2011 18:37:02	0	0	0	0	0
10	MIP_NL__0PNPDK20110711_183603_000060143104_00243_48964_5745.N1	11JUL2011 18:36:03	11JUL2011 20:16:18	0	0	0	0	0
11	MIP_NL__0PNPDE20110711_201448_000043663104_00244_48965_9213.N1	11JUL2011 20:14:48	11JUL2011 21:27:34	0	0	0	0	0
12	MIP_NL__0PNPDE20110711_212633_000061753104_00244_48965_9214.N1	11JUL2011 21:26:33	11JUL2011 23:09:29	0	0	0	0	0
13	MIP_NL__0PNPDE20110711_230826_000060623104_00245_48966_9215.N1	11JUL2011 23:08:26	12JUL2011 00:49:28	0	0	0	0	0

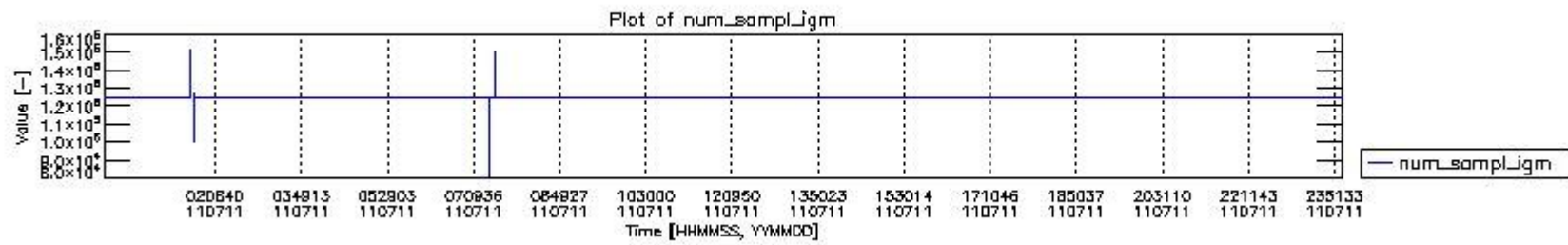
## 0.2 Instrument Operational Performance Parameters

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.

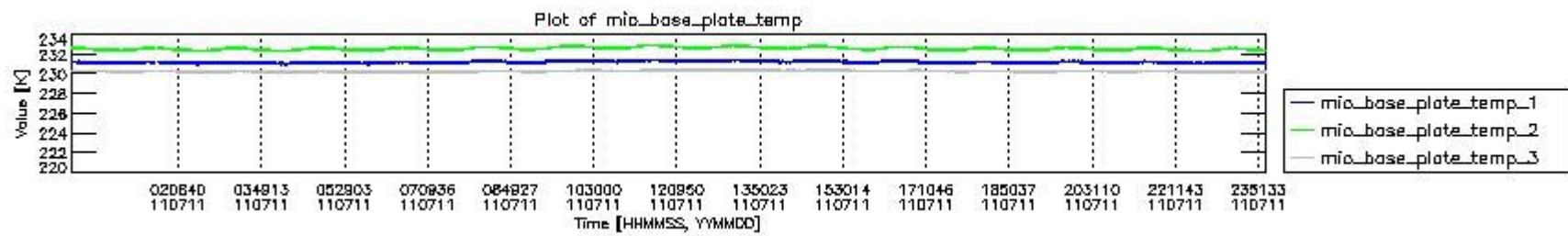
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
81108	1	0.0024123706
92888	1	0.0024123706
100632	1	0.0024123706
113020	1	0.0024123706

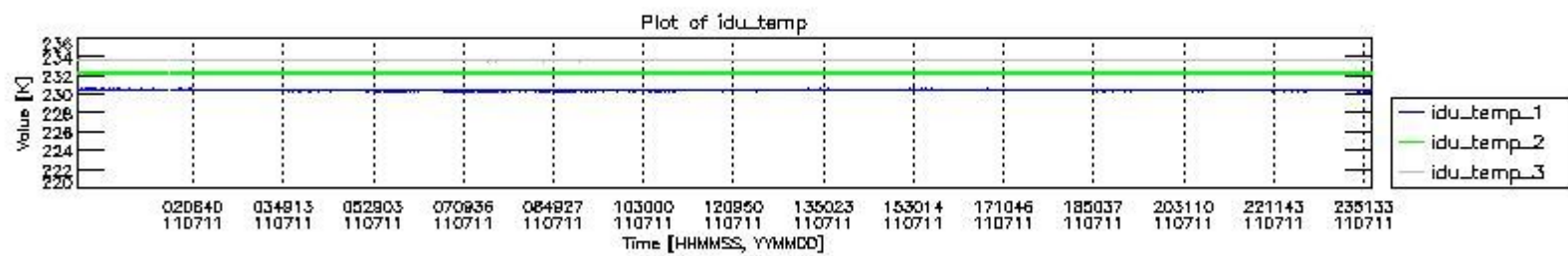
124800	38480	92.828022
124803	2961	7.1430295
125884	1	0.0024123706
126968	1	0.0024123706
127308	1	0.0024123706
127902	1	0.0024123706
147440	1	0.0024123706
148034	1	0.0024123706
149948	1	0.0024123706
151136	1	0.0024123706



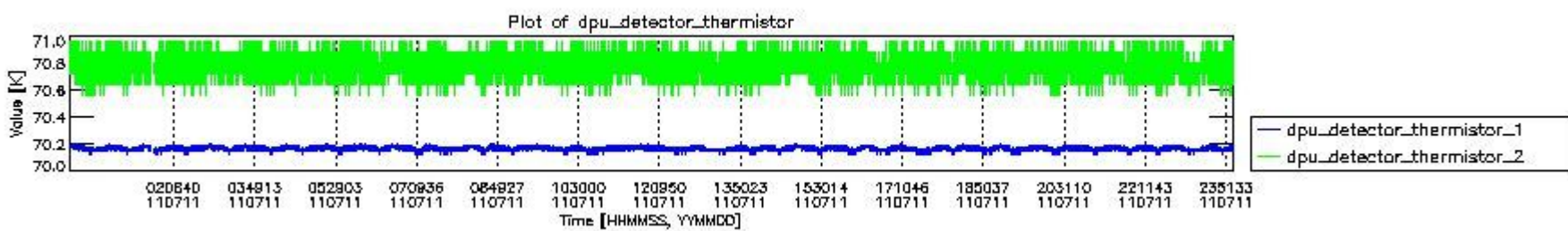
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110711\_0.PNG



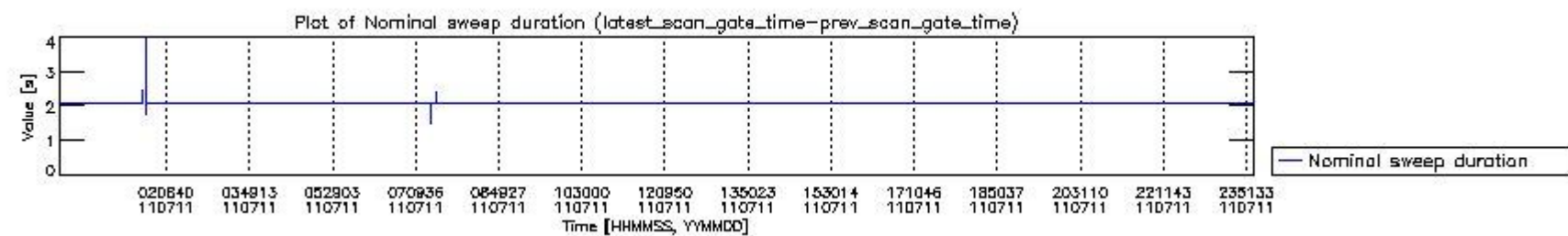
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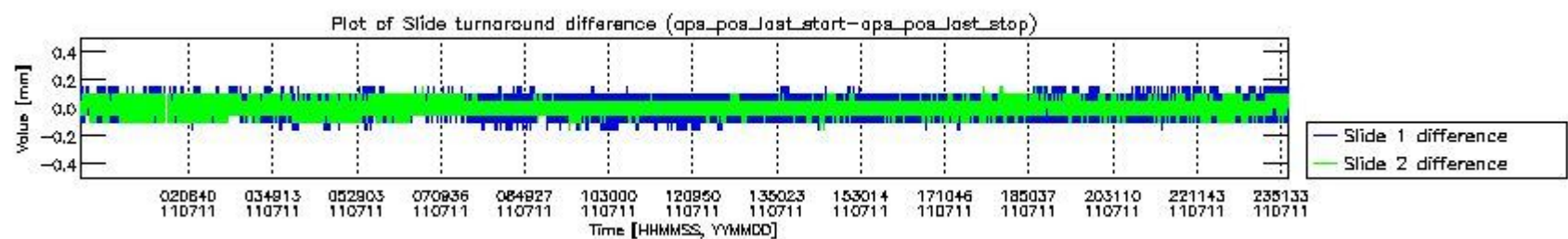
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110711\_2.PNG



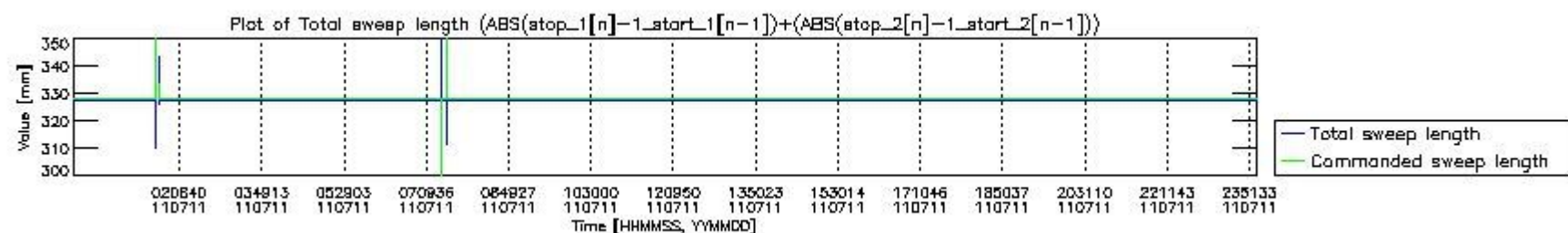
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110711\_3.PNG



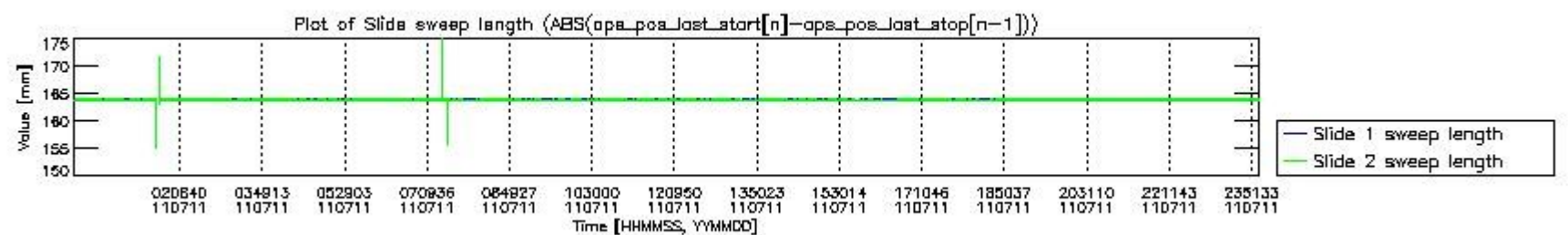
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110711\_4.PNG



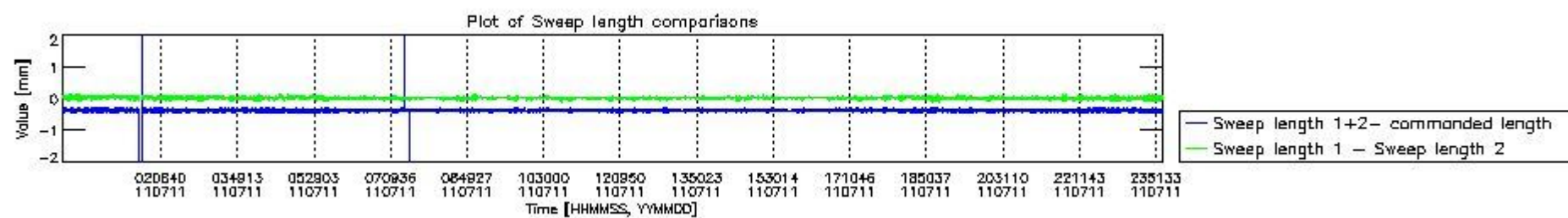
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110711\_5.PNG



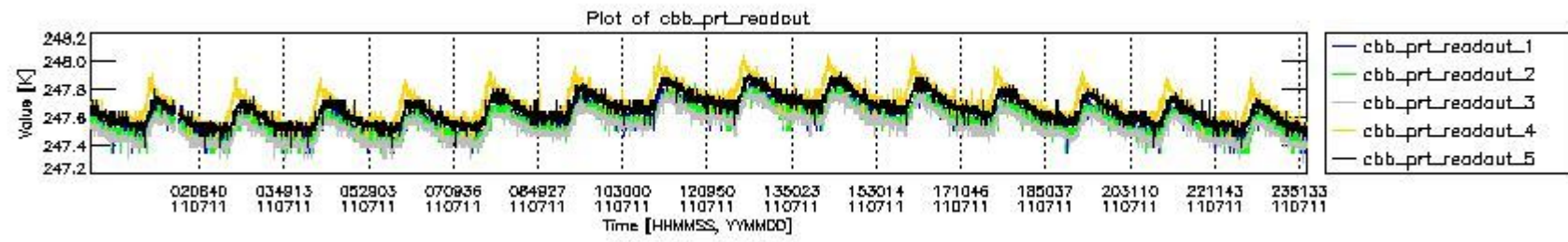
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110711\_6.PNG



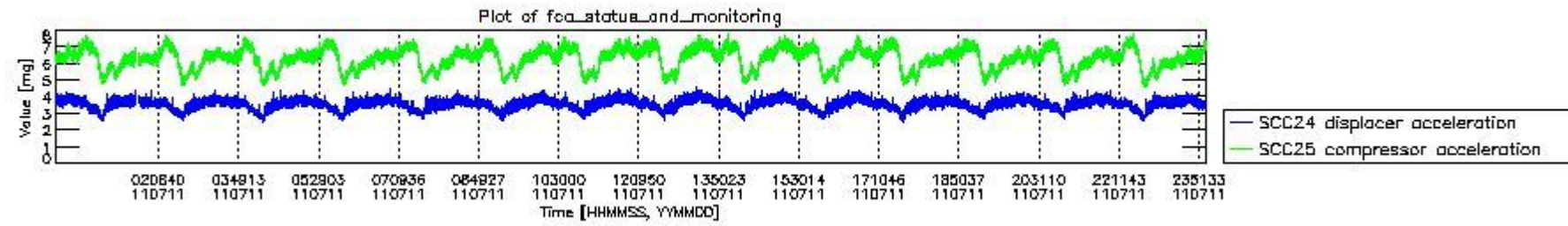
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110711\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110711\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110711\_9.PNG



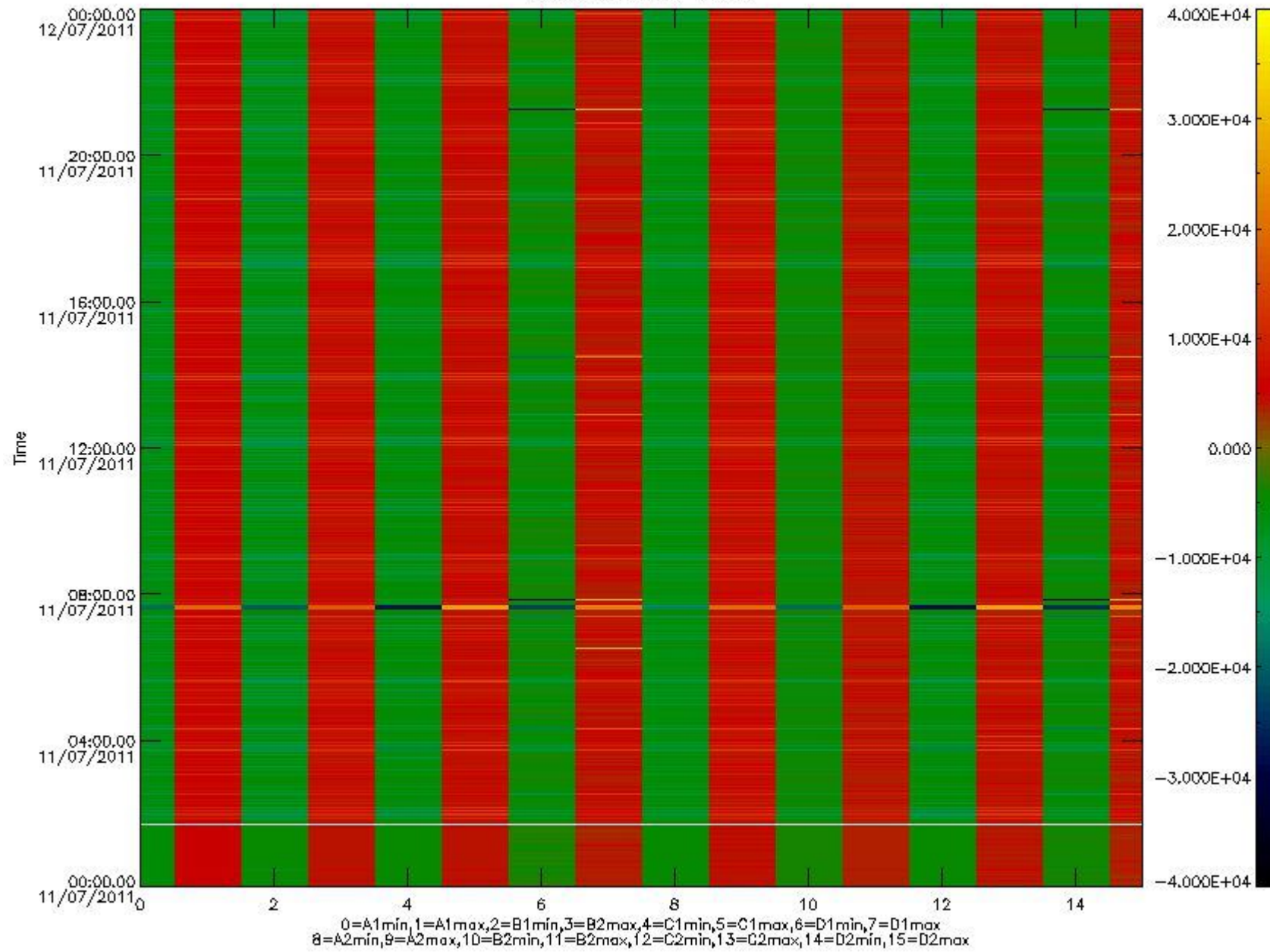
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110711\_10.PNG

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

Channel	Min	Max	ADC
A1	-18981	20055	16bit
B1	-21765	18593	16bit
C1	-27841	27820	16bit
D1	-32768	32767	16bit
A2	-16299	20232	16bit
B2	-20113	19662	16bit
C2	-28949	28625	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\_20110711\_11.PNG

### 0.3 ADF monitoring

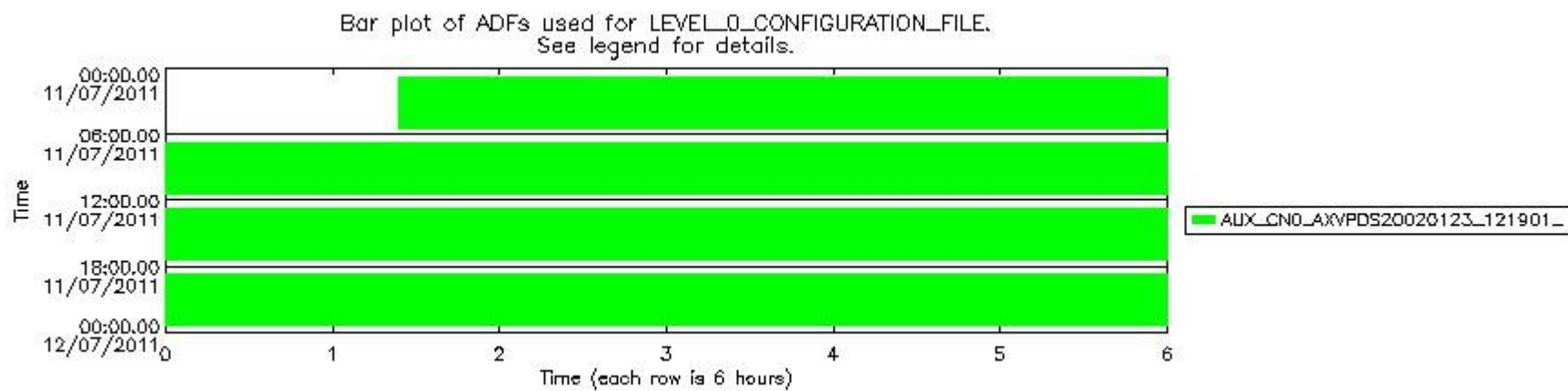
The use of ADFs is shown in two ways:

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.

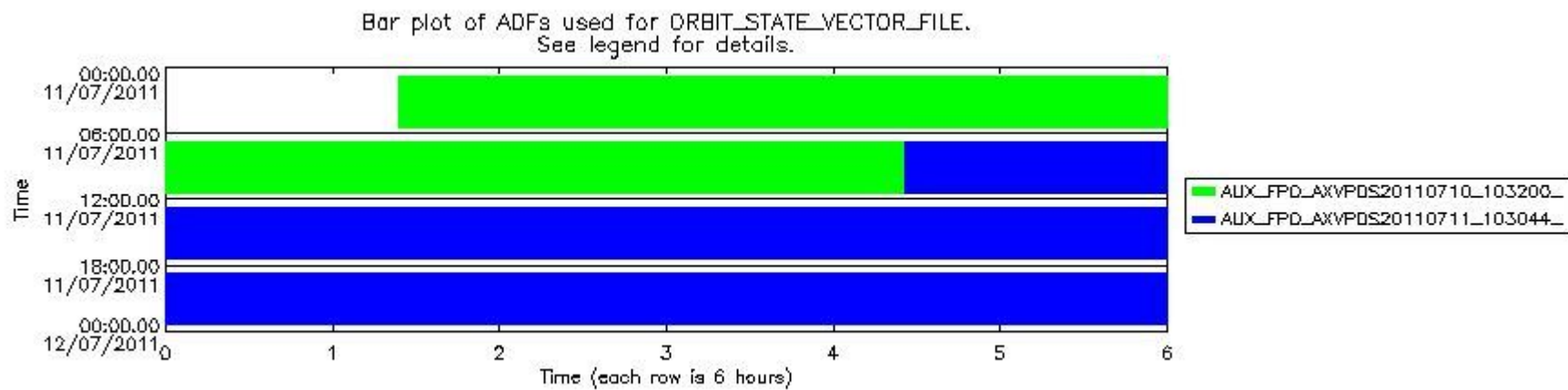
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110710_103200_20110709_193227_20110719_200601
2	AUX_FPO_AXVPDS20110711_103044_20110710_185543_20110720_210931

Number	Product name	#CN0	#FPO
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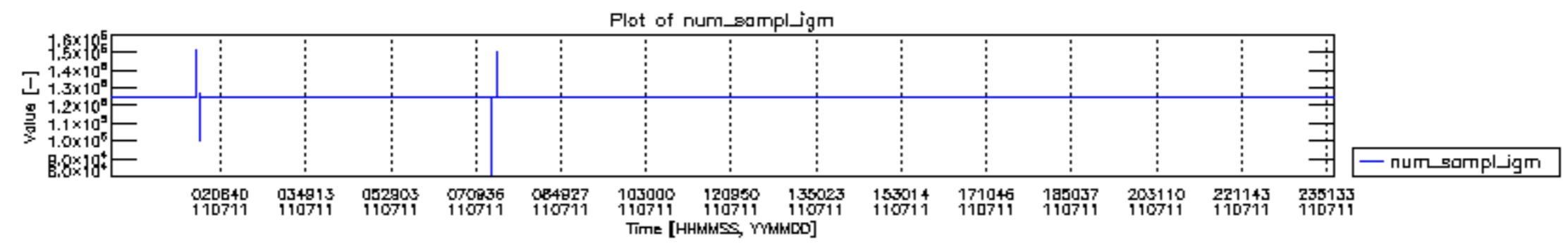
0	MIP_NL__0PNPDE20110711_012336_000103253104_00232_48953_9210.N1	0	1
1	MIP_NL__0PNPDE20110711_041508_000061943104_00234_48955_9211.N1	0	1
2	MIP_NL__0PNPDE20110711_055750_000061873104_00235_48956_9212.N1	0	1
3	MIP_NL__0PNPDK20110711_074024_000039423104_00236_48957_5738.N1	0	1
4	MIP_NL__0PNPDK20110711_084522_000060813104_00237_48958_5739.N1	0	1
5	MIP_NL__0PNPDK20110711_102600_000060353104_00238_48959_5740.N1	0	2
6	MIP_NL__0PNPDK20110711_120604_000059353104_00239_48960_5741.N1	0	2
7	MIP_NL__0PNPDK20110711_134425_000058493104_00240_48961_5742.N1	0	2
8	MIP_NL__0PNPDK20110711_152113_000058933104_00241_48962_5743.N1	0	2
9	MIP_NL__0PNPDK20110711_165840_000059023104_00242_48963_5744.N1	0	2
10	MIP_NL__0PNPDK20110711_183603_000060143104_00243_48964_5745.N1	0	2
11	MIP_NL__0PNPDE20110711_201448_000043663104_00244_48965_9213.N1	0	2
12	MIP_NL__0PNPDE20110711_212633_000061753104_00244_48965_9214.N1	0	2
13	MIP_NL__0PNPDE20110711_230826_000060623104_00245_48966_9215.N1	0	2

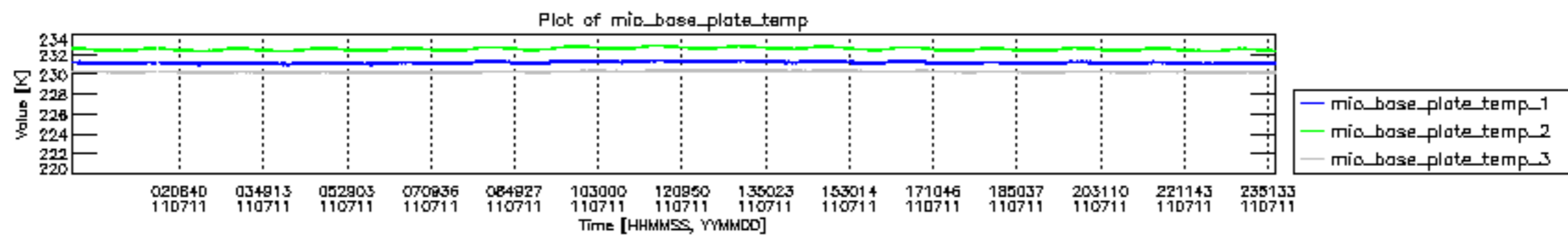


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110711\_12.PNG

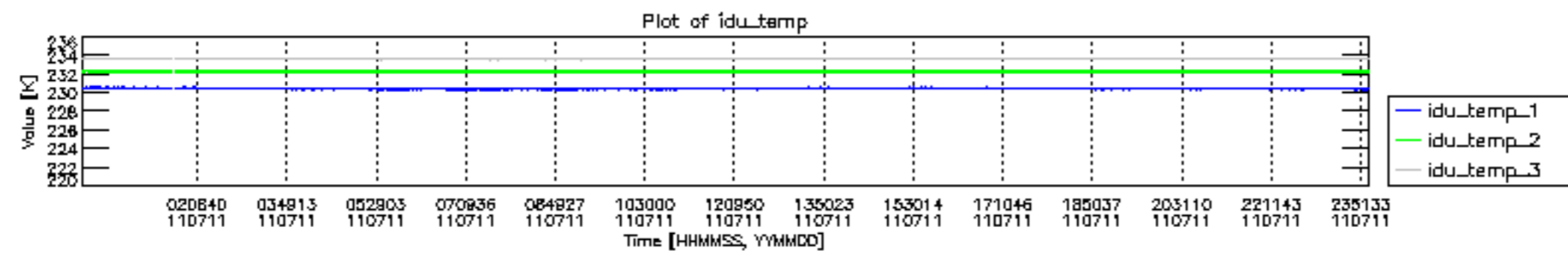


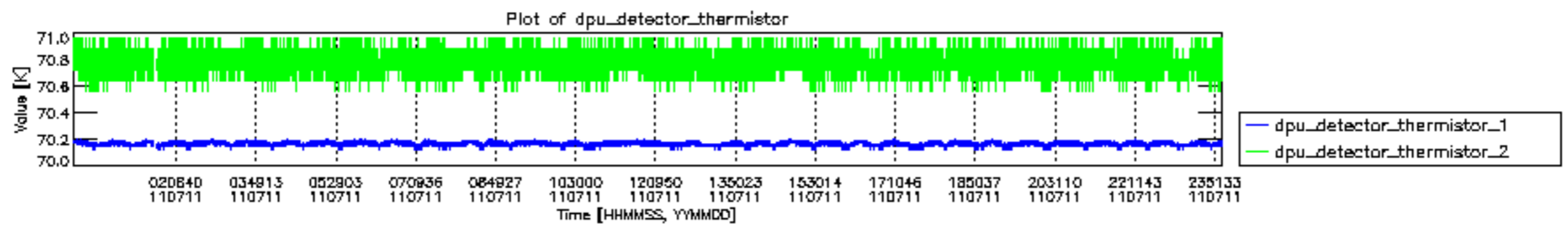
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110711\_13.PNG

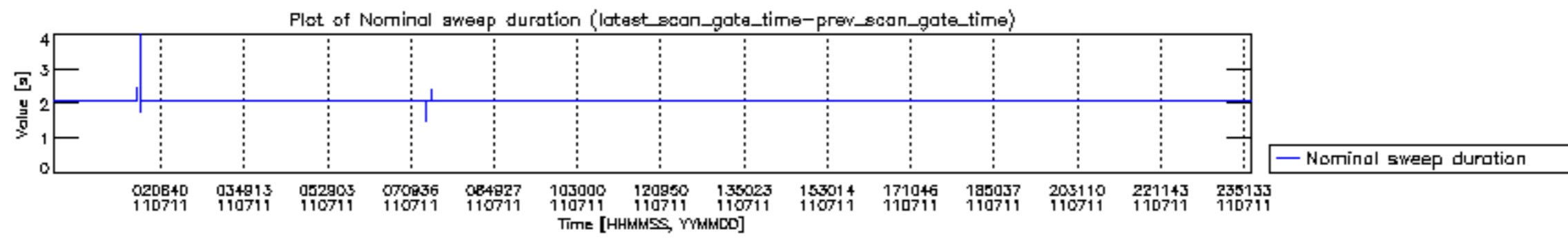


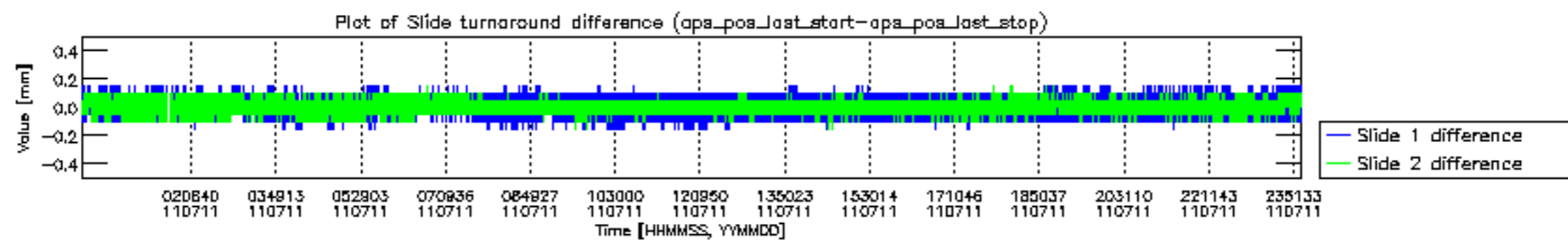


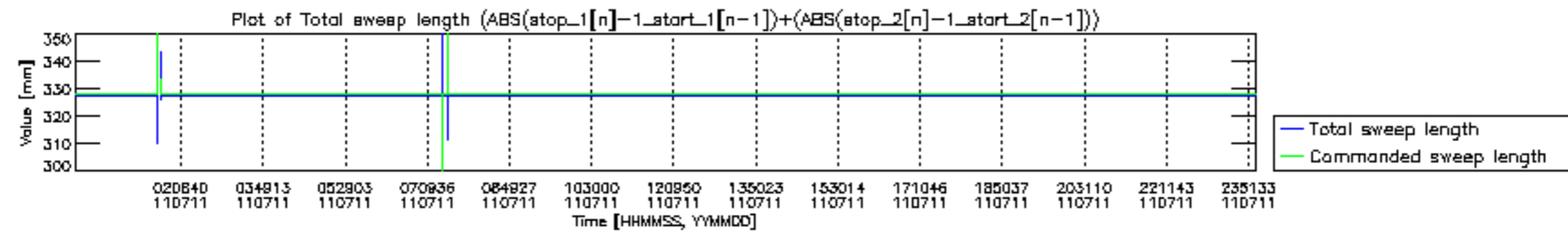




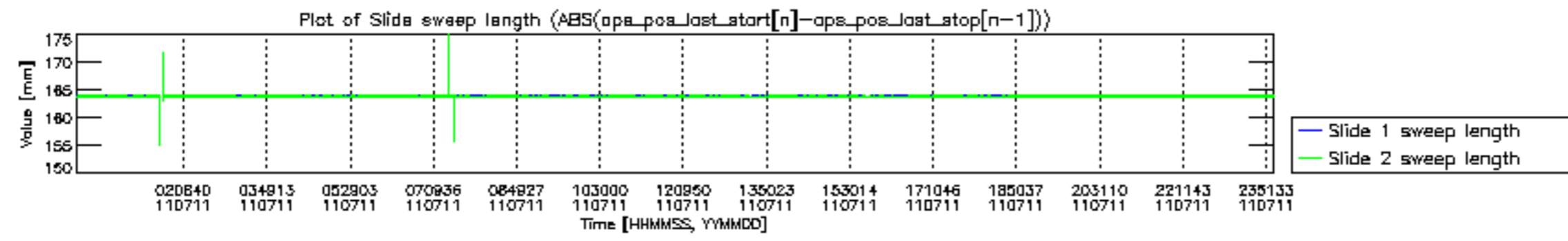


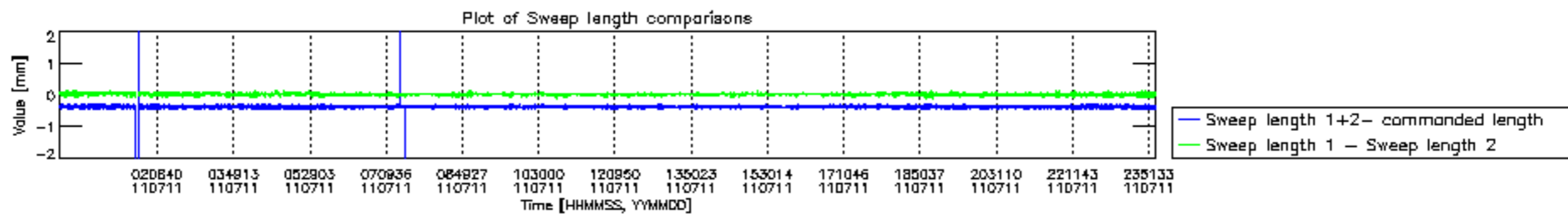


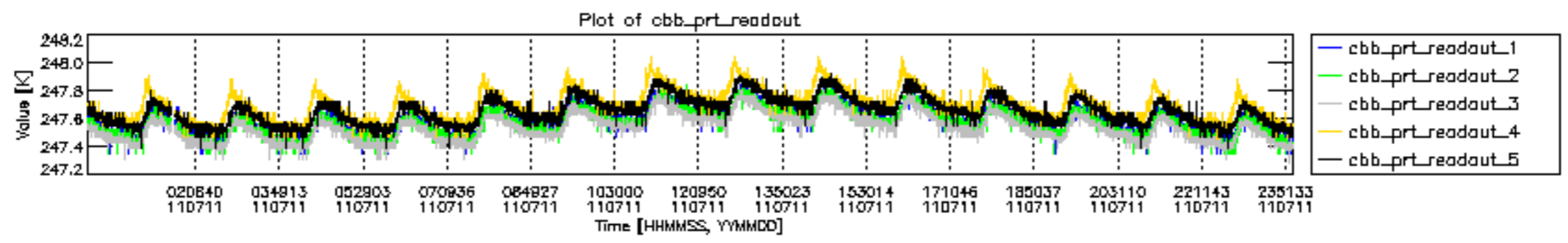


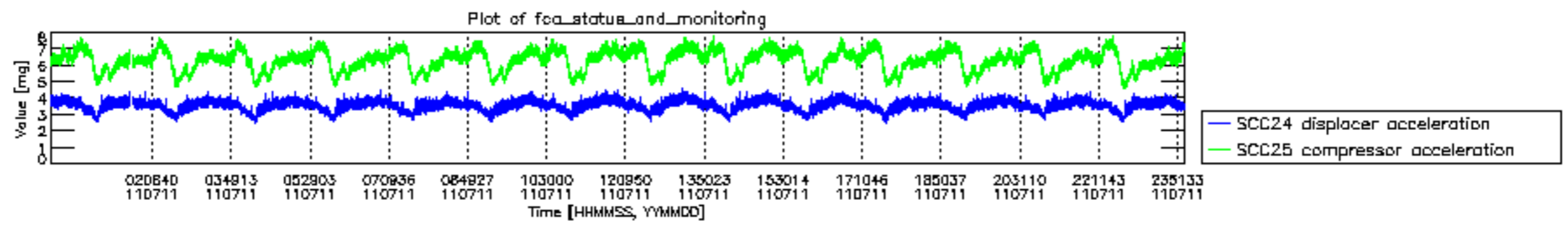












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

