

## 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	08JUL2011 05:21:52
Data source version	KSPT_L0/4504-N
Processing scope for products	03JUL2011 00:00:00 to 04JUL2011 00:00:00
Start time of first product within scope	03JUL2011 01:17:44
Stop time of last product within scope	04JUL2011 00:43:12
Total number of level 0 products	14
Number of level 0 products with errors	1

### 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__0PNPDE20110703_011744_000102543104_00117_48838_9158.N1	03JUL2011 01:17:44	03JUL2011 04:08:38	0	0	0	0	0
1	MIP_NL__0PNPDE20110703_040803_000062363104_00119_48840_9159.N1	03JUL2011 04:08:03	03JUL2011 05:51:59	0	0	0	0	0
2	MIP_NL__0PNPDE20110703_055123_000061563104_00120_48841_9160.N1	03JUL2011 05:51:23	03JUL2011 07:34:00	0	0	0	0	0
3	MIP_NL__0PNPDK20110703_073326_000039253104_00121_48842_5653.N1	03JUL2011 07:33:26	03JUL2011 08:38:51	0	0	0	0	0
4	MIP_NL__0PNPDK20110703_083805_000061193104_00122_48843_5654.N1	03JUL2011 08:38:05	03JUL2011 10:20:04	0	0	0	0	0
5	MIP_NL__0PNPDK20110703_101918_000059983104_00123_48844_5655.N1	03JUL2011 10:19:18	03JUL2011 11:59:16	0	0	0	0	0
6	MIP_NL__0PNPDK20110703_115830_000059453104_00124_48845_5656.N1	03JUL2011 11:58:30	03JUL2011 13:37:35	1	1	0	0	0
7	MIP_NL__0PNPDK20110703_133700_000058893104_00125_48846_5658.N1	03JUL2011 13:37:00	03JUL2011 15:15:09	0	0	0	0	0
8	MIP_NL__0PNPDK20110703_151425_000059683104_00126_48847_5659.N1	03JUL2011 15:14:25	03JUL2011 16:53:53	0	0	0	0	0
9	MIP_NL__0PNPDK20110703_165320_000057893104_00127_48848_5660.N1	03JUL2011 16:53:20	03JUL2011 18:29:49	0	0	0	0	0
10	MIP_NL__0PNPDK20110703_182848_000060333104_00128_48849_5661.N1	03JUL2011 18:28:48	03JUL2011 20:09:21	0	0	0	0	0
11	MIP_NL__0PNPDE20110703_200756_000044043104_00129_48850_9161.N1	03JUL2011 20:07:56	03JUL2011 21:21:19	0	0	0	0	0
12	MIP_NL__0PNPDE20110703_212015_000061403104_00129_48850_9162.N1	03JUL2011 21:20:15	03JUL2011 23:02:34	0	0	0	0	0
13	MIP_NL__0PNPDE20110703_230132_000061003104_00130_48851_9163.N1	03JUL2011 23:01:32	04JUL2011 00:43:12	0	0	0	0	0

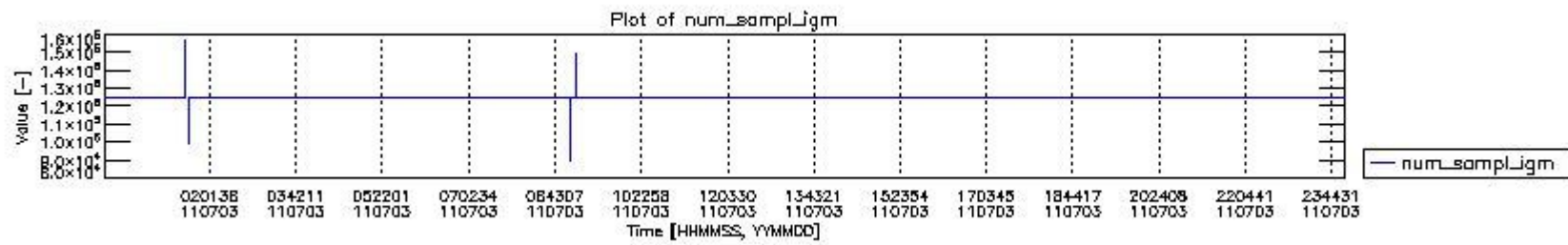
## 0.2 Instrument Operational Performance Parameters

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.

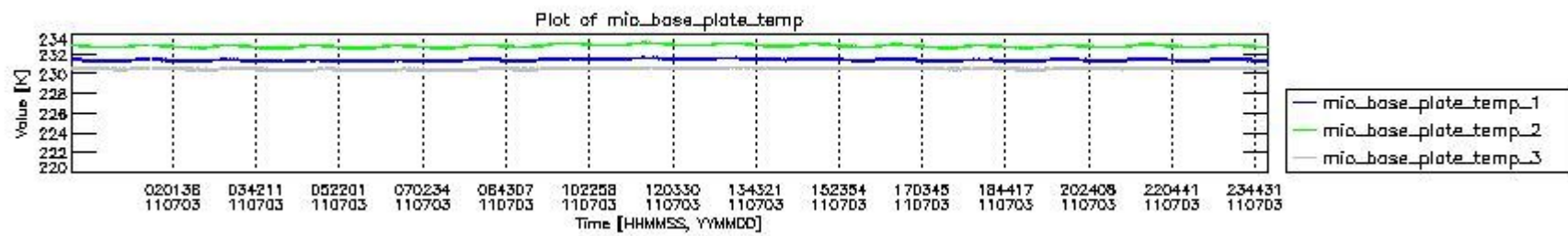
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
89732	1	0.0024100451
97200	1	0.0024100451
98773	1	0.0024100451
117332	1	0.0024100451

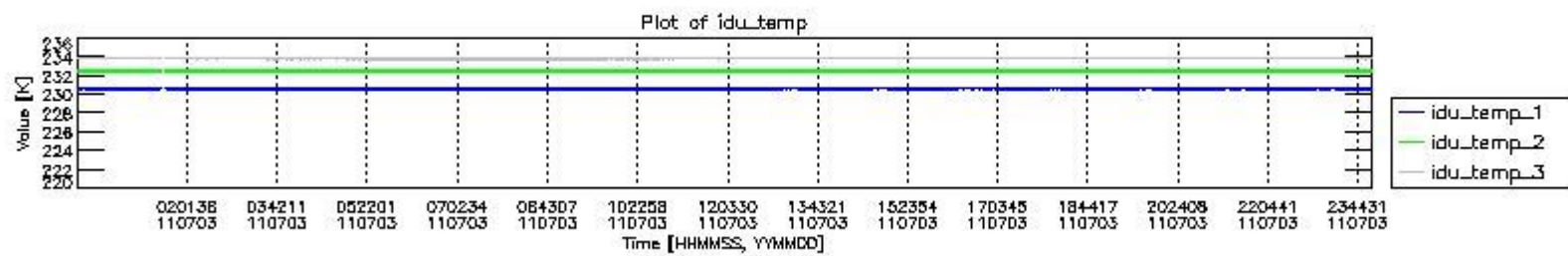
123250	1	0.0024100451
124025	1	0.0024100451
124800	39087	94.201432
124803	2394	5.7696479
127233	1	0.0024100451
130950	1	0.0024100451
147365	1	0.0024100451
149798	1	0.0024100451
151082	1	0.0024100451
157232	1	0.0024100451



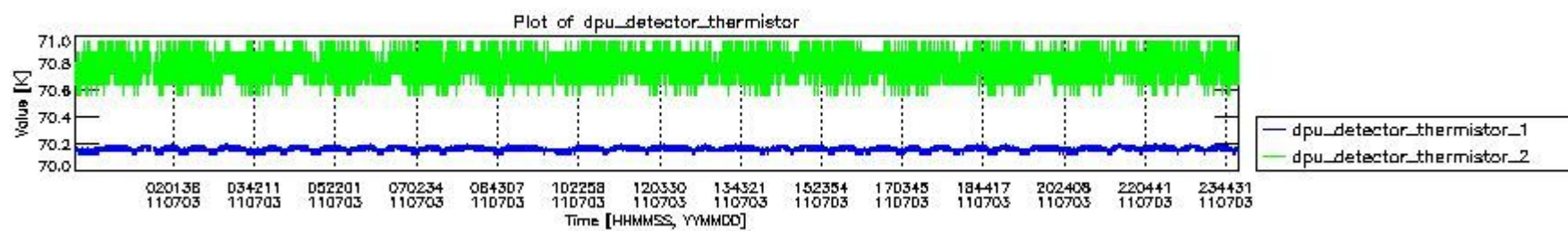
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110703\_0.PNG



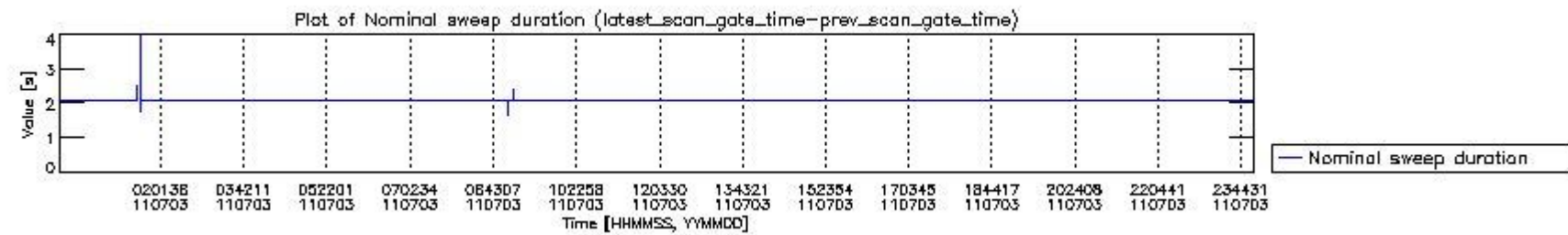
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110703\_1.PNG



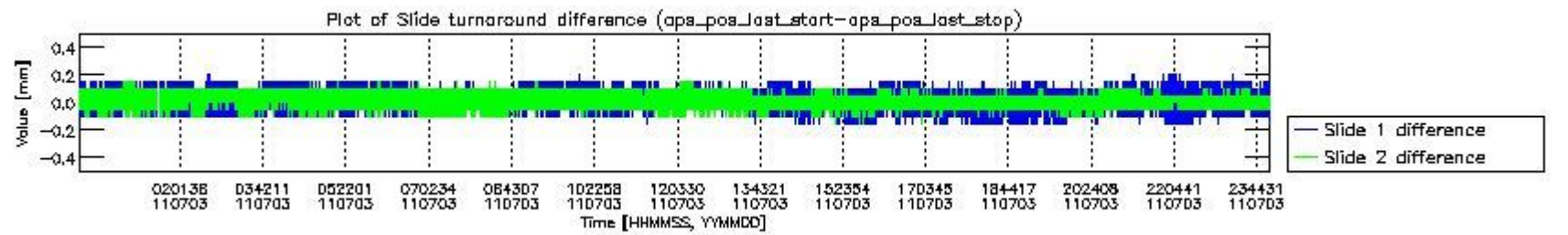
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110703\_2.PNG



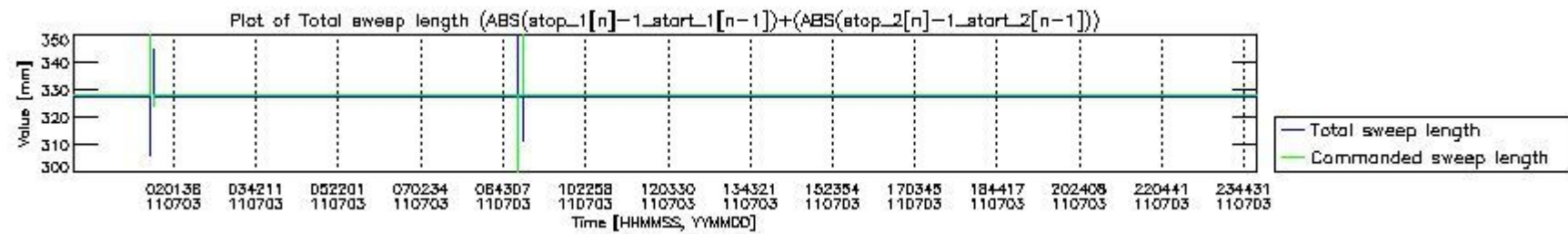
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110703\_3.PNG



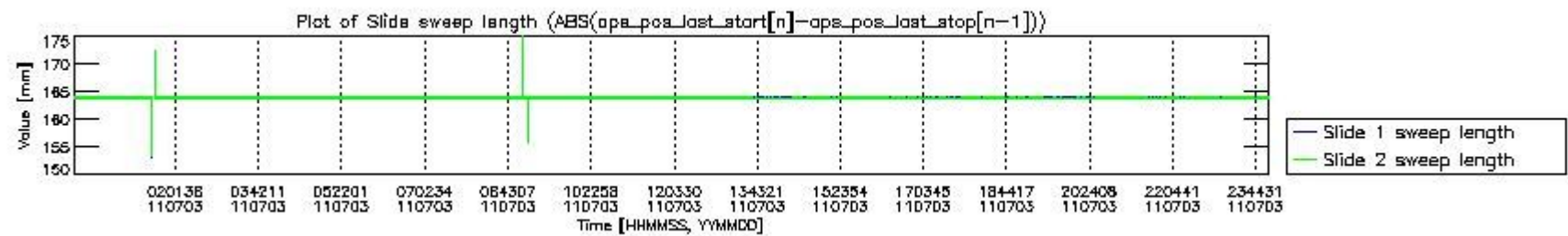
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110703\_4.PNG



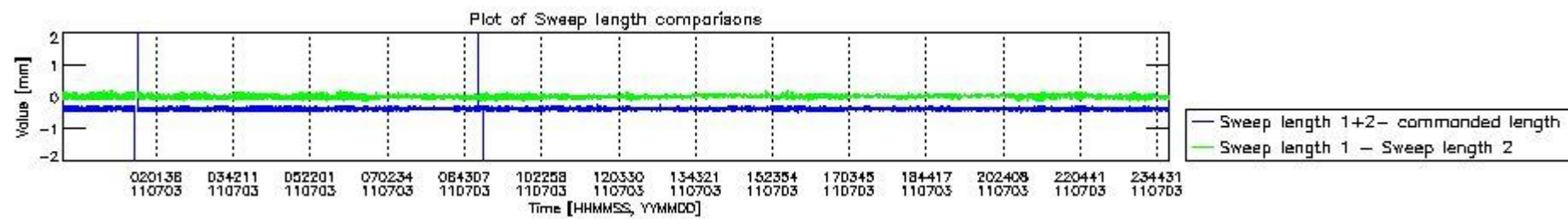
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110703\_5.PNG



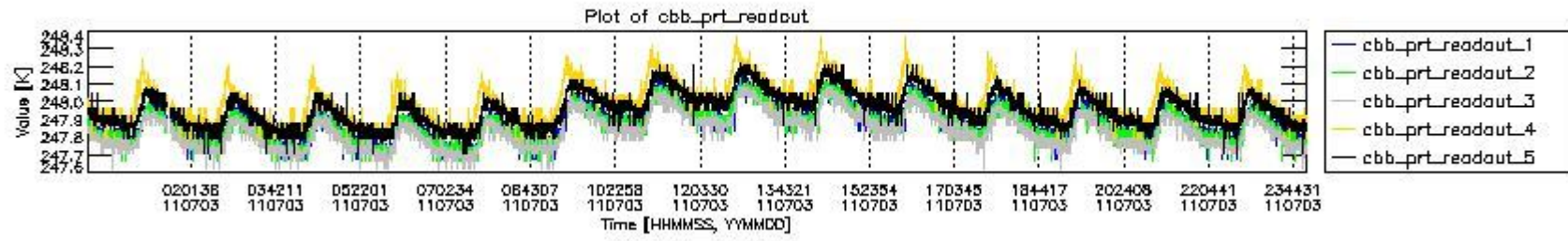
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110703\_6.PNG



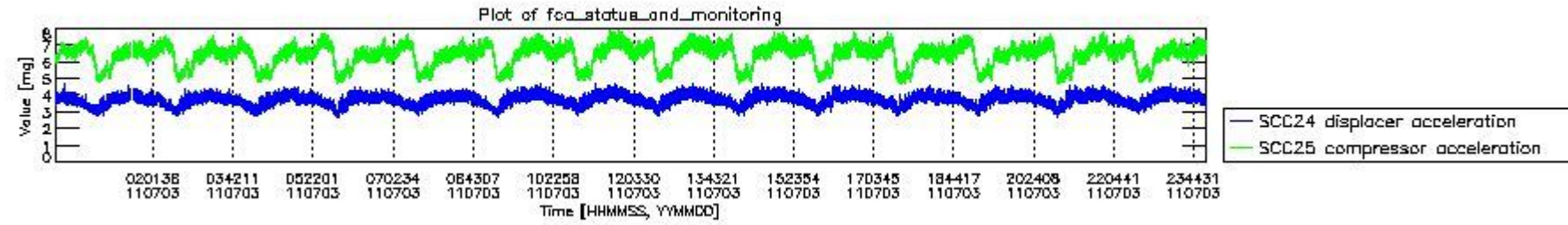
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110703\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110703\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110703\_9.PNG

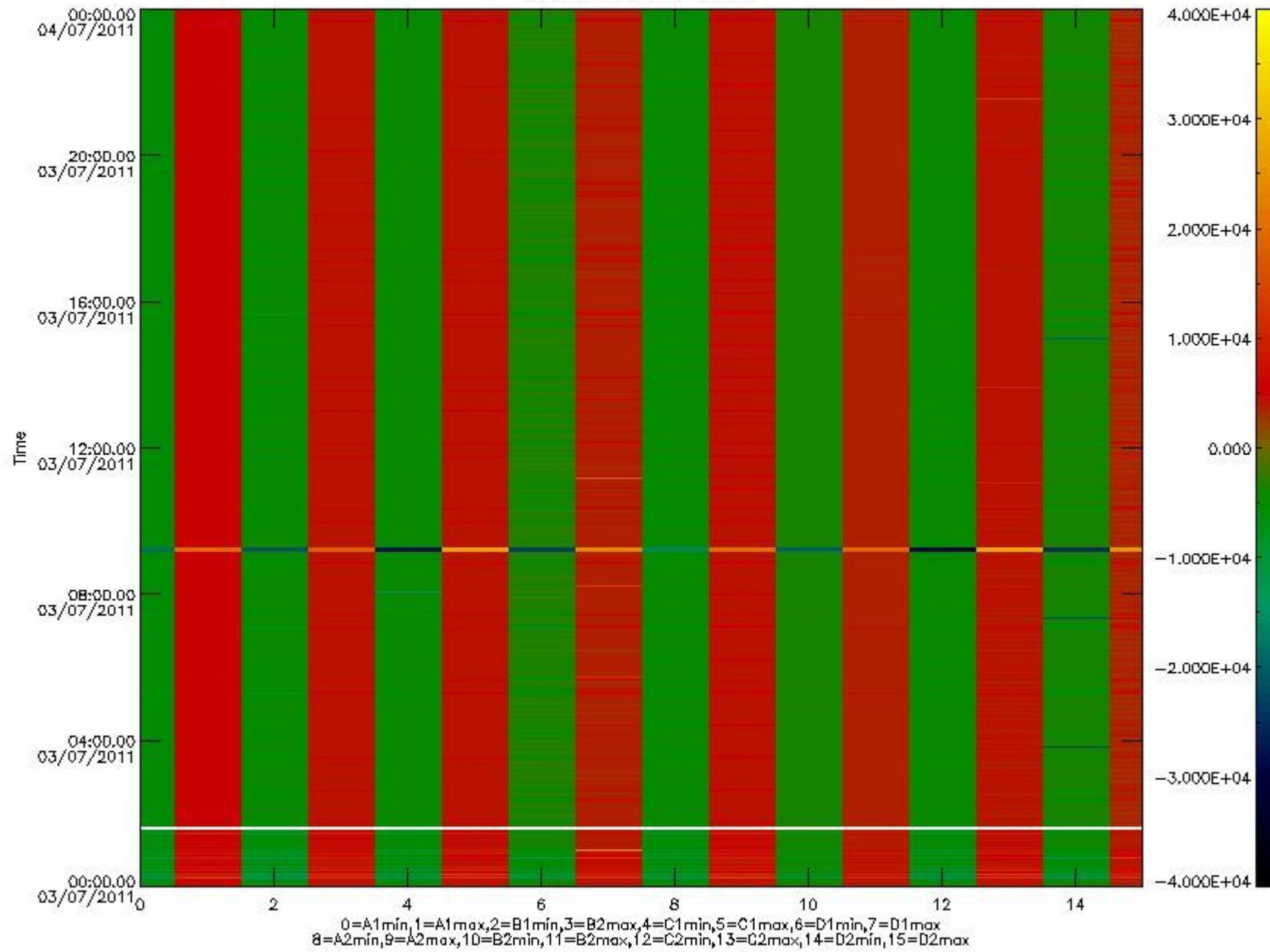


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110703\_10.PNG

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

Channel	Min	Max	ADC
A1	-19016	20201	16bit
B1	-21974	18749	16bit
C1	-28223	28192	16bit
D1	-31227	32767	16bit
A2	-16405	20379	16bit
B2	-20326	19863	16bit
C2	-29337	29028	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\_20110703\_11.PNG

### 0.3 ADF monitoring

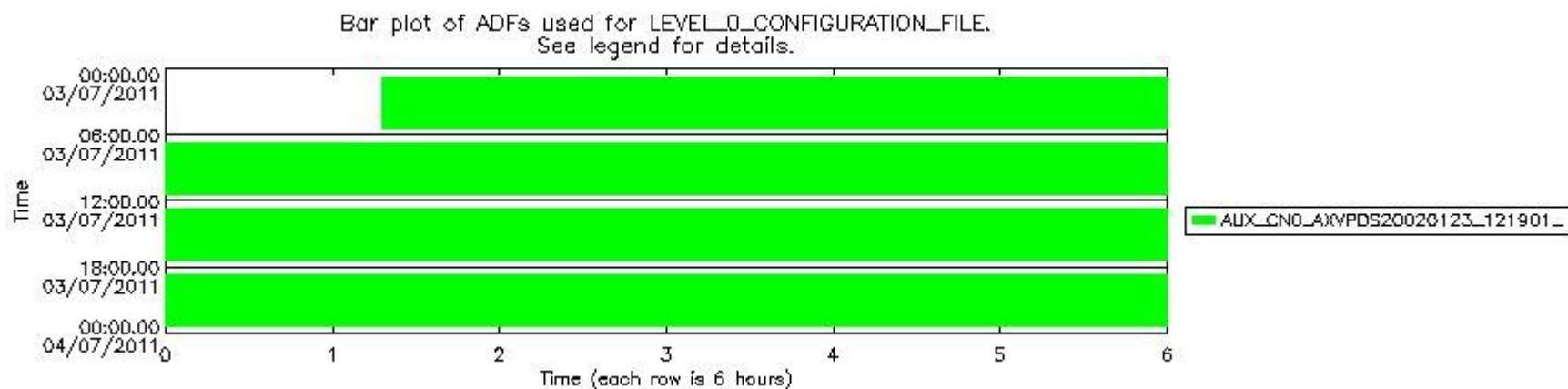
The use of ADFs is shown in two ways:

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.

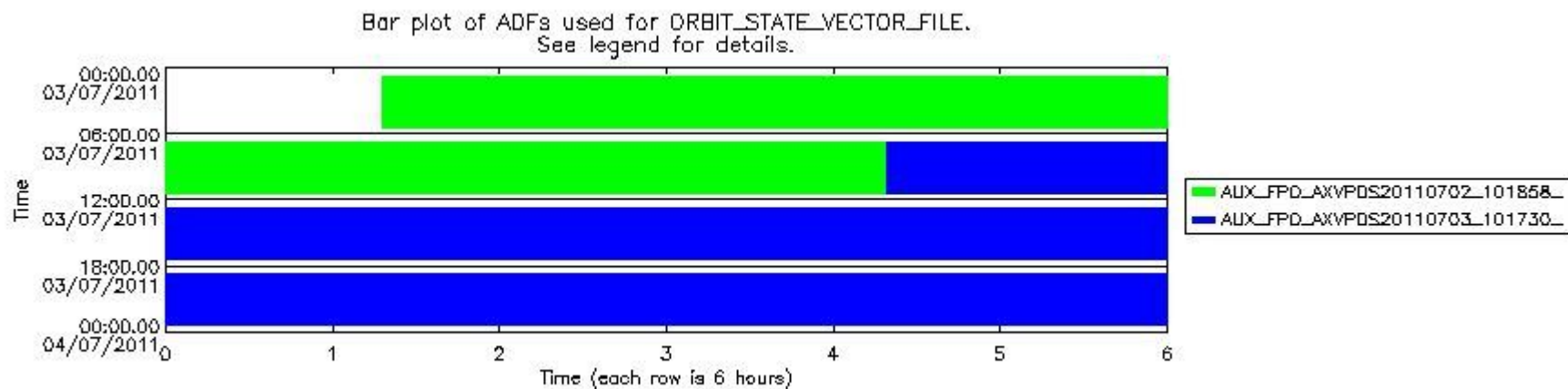
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110702_101858_20110701_192539_20110711_213926
2	AUX_FPO_AXVPDS20110703_101730_20110702_184855_20110712_210242

Number	Product name	#CN0	#FPO
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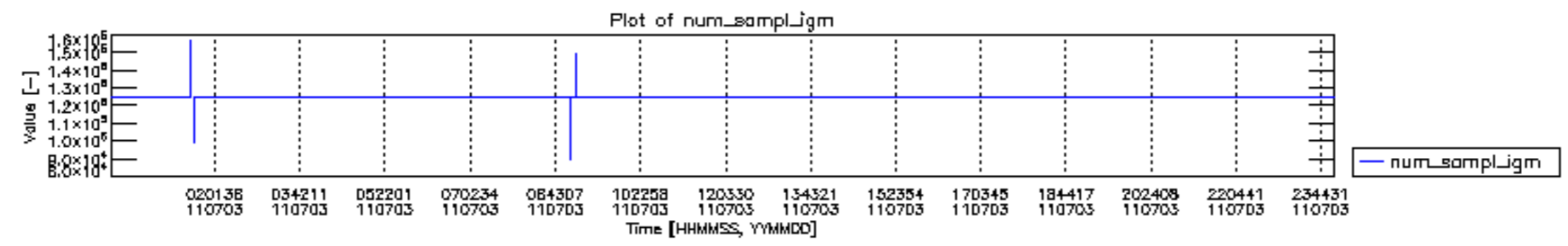
0	MIP_NL__0PNPDE20110703_011744_000102543104_00117_48838_9158.N1	0	1
1	MIP_NL__0PNPDE20110703_040803_000062363104_00119_48840_9159.N1	0	1
2	MIP_NL__0PNPDE20110703_055123_000061563104_00120_48841_9160.N1	0	1
3	MIP_NL__0PNPDK20110703_073326_000039253104_00121_48842_5653.N1	0	1
4	MIP_NL__0PNPDK20110703_083805_000061193104_00122_48843_5654.N1	0	1
5	MIP_NL__0PNPDK20110703_101918_000059983104_00123_48844_5655.N1	0	2
6	MIP_NL__0PNPDK20110703_115830_000059453104_00124_48845_5656.N1	0	2
7	MIP_NL__0PNPDK20110703_133700_000058893104_00125_48846_5658.N1	0	2
8	MIP_NL__0PNPDK20110703_151425_000059683104_00126_48847_5659.N1	0	2
9	MIP_NL__0PNPDK20110703_165320_000057893104_00127_48848_5660.N1	0	2
10	MIP_NL__0PNPDK20110703_182848_000060333104_00128_48849_5661.N1	0	2
11	MIP_NL__0PNPDE20110703_200756_000044043104_00129_48850_9161.N1	0	2
12	MIP_NL__0PNPDE20110703_212015_000061403104_00129_48850_9162.N1	0	2
13	MIP_NL__0PNPDE20110703_230132_000061003104_00130_48851_9163.N1	0	2

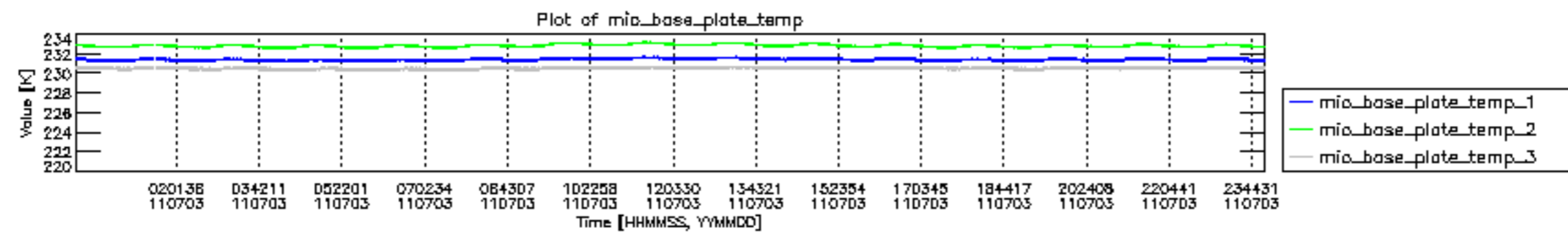


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110703\_12.PNG

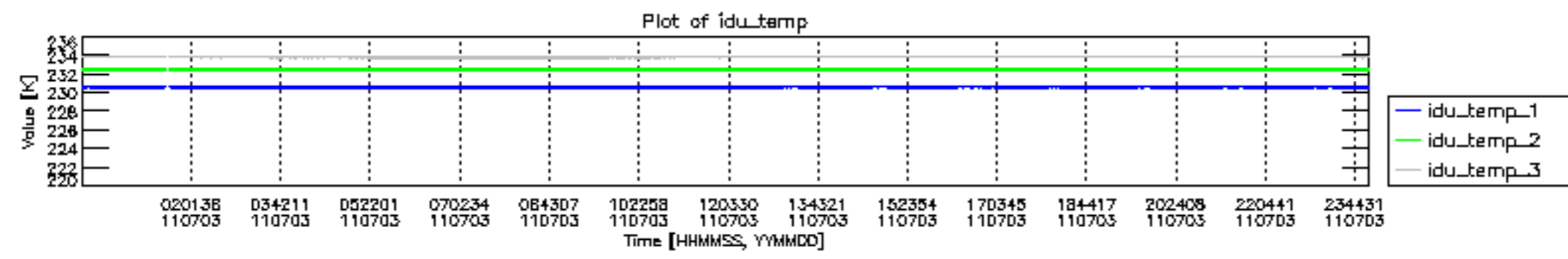


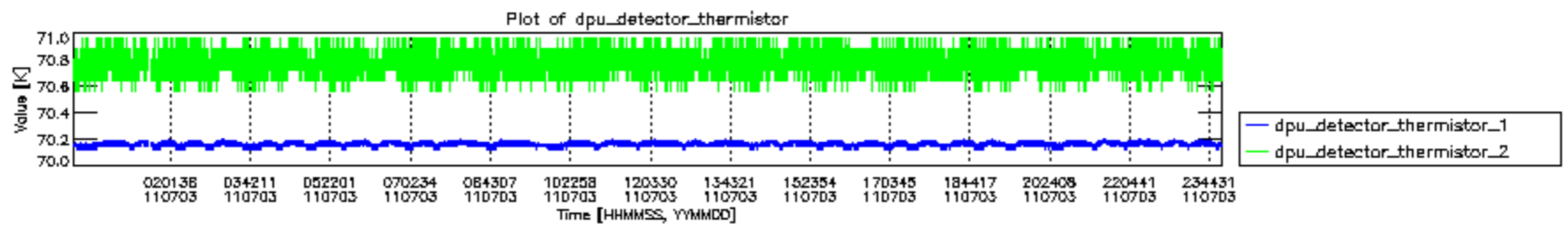
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110703\_13.PNG

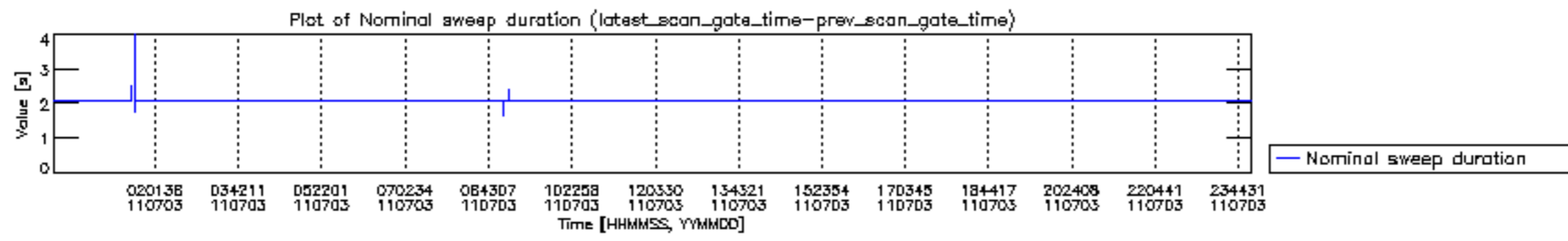


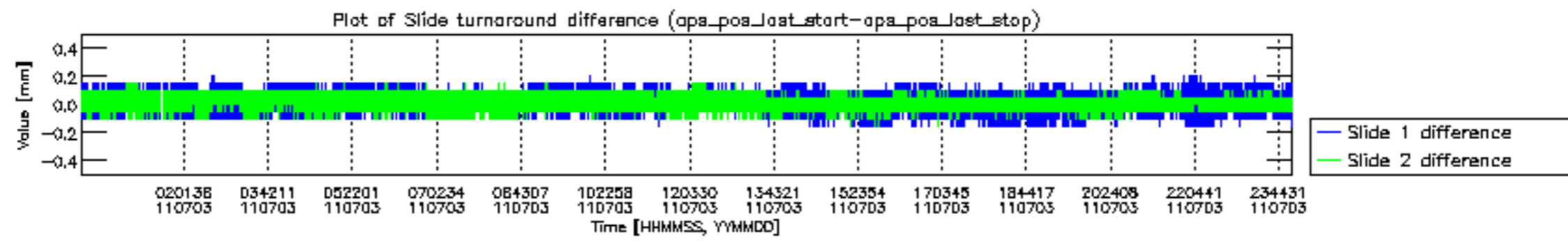


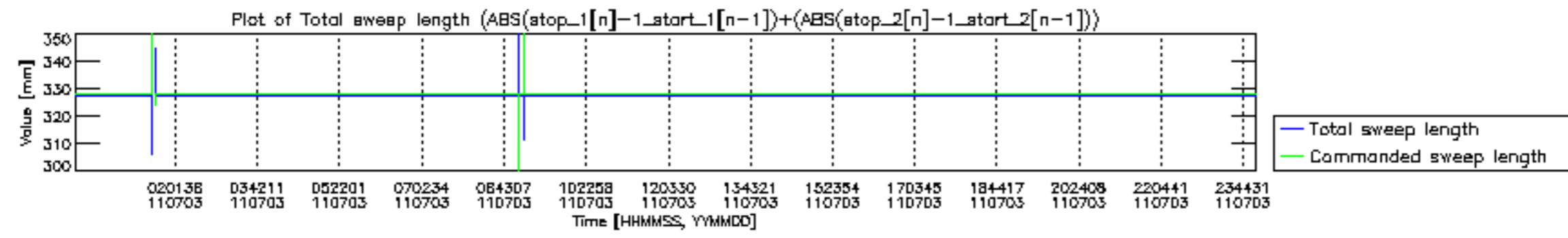


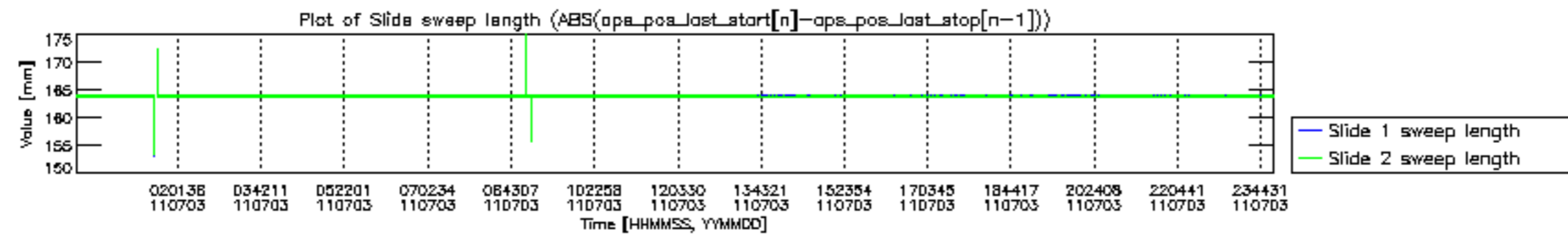


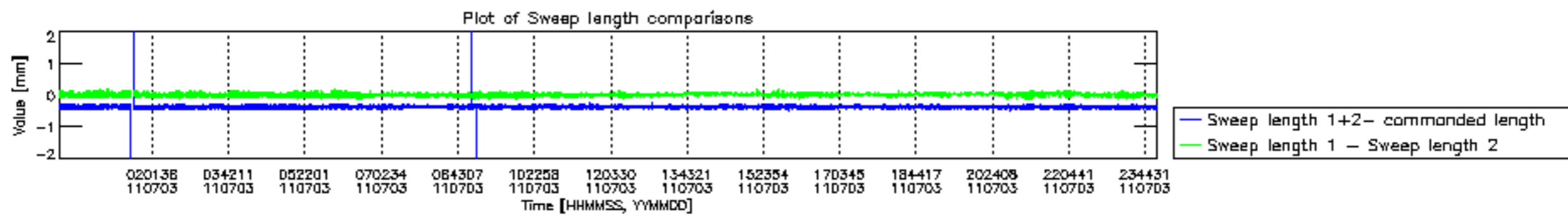


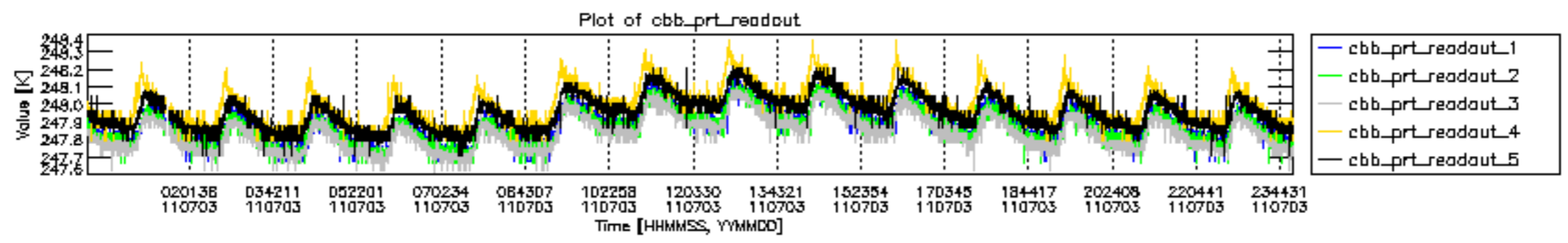




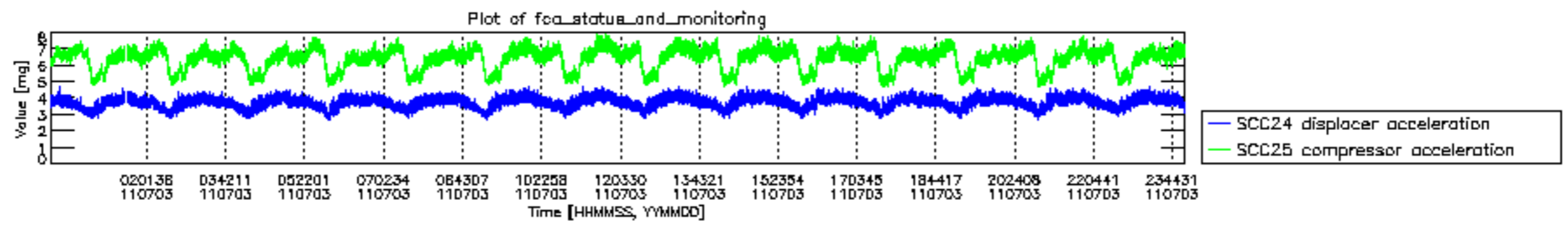












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

