

## 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	02JUL2011 05:24:42
Data source version	KSPT_L0/4504-N
Processing scope for products	27JUN2011 00:00:00 to 28JUN2011 00:00:00
Start time of first product within scope	27JUN2011 01:37:08
Stop time of last product within scope	28JUN2011 01:03:10
Total number of level 0 products	15
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__0PNPDE20110627_013708_000043453104_00031_48752_9119.N1	27JUN2011 01:37:08	27JUN2011 02:49:33	0	0	0	0	0
1	MIP_NL__0PNPDE20110627_024900_000061803104_00032_48753_9120.N1	27JUN2011 02:49:00	27JUN2011 04:31:59	0	0	0	0	0
2	MIP_NL__0PNPDK20110627_061140_000041033104_00034_48755_5598.N1	27JUN2011 06:11:40	27JUN2011 07:20:03	0	0	0	0	0
3	MIP_NL__0PNPDK20110627_071930_000061193104_00035_48756_5599.N1	27JUN2011 07:19:30	27JUN2011 09:01:29	0	0	0	0	0
4	MIP_NL__0PNPDK20110627_090045_000059383104_00036_48757_5605.N1	27JUN2011 09:00:45	27JUN2011 10:39:43	1	1	0	0	0
5	MIP_NL__0PNPDK20110627_094526_000032573104_00036_48757_5601.N1	27JUN2011 09:45:26	27JUN2011 10:39:43	0	0	0	0	0
6	MIP_NL__0PNPDK20110627_103901_000059623104_00037_48758_5602.N1	27JUN2011 10:39:01	27JUN2011 12:18:23	0	0	0	0	0
7	MIP_NL__0PNPDK20110627_121741_000059693104_00038_48759_5603.N1	27JUN2011 12:17:41	27JUN2011 13:57:10	0	0	0	0	0
8	MIP_NL__0PNPDK20110627_135637_000059523104_00039_48760_5604.N1	27JUN2011 13:56:37	27JUN2011 15:35:48	0	0	0	0	0
9	MIP_NL__0PNPDK20110627_153504_000058563104_00040_48761_5606.N1	27JUN2011 15:35:04	27JUN2011 17:12:40	0	0	0	0	0
10	MIP_NL__0PNPDK20110627_171156_000059353104_00041_48762_5607.N1	27JUN2011 17:11:56	27JUN2011 18:50:51	0	0	0	0	0
11	MIP_NL__0PNPDK20110627_184953_000059143104_00042_48763_5608.N1	27JUN2011 18:49:53	27JUN2011 20:28:27	0	0	0	0	0
12	MIP_NL__0PNPDE20110627_202728_000043563104_00043_48764_9122.N1	27JUN2011 20:27:28	27JUN2011 21:40:04	0	0	0	0	0
13	MIP_NL__0PNPDE20110627_213905_000061593104_00043_48764_9123.N1	27JUN2011 21:39:05	27JUN2011 23:21:44	0	0	0	0	0
14	MIP_NL__0PNPDE20110627_232046_000061443104_00044_48765_9124.N1	27JUN2011 23:20:46	28JUN2011 01:03:10	0	0	0	0	0

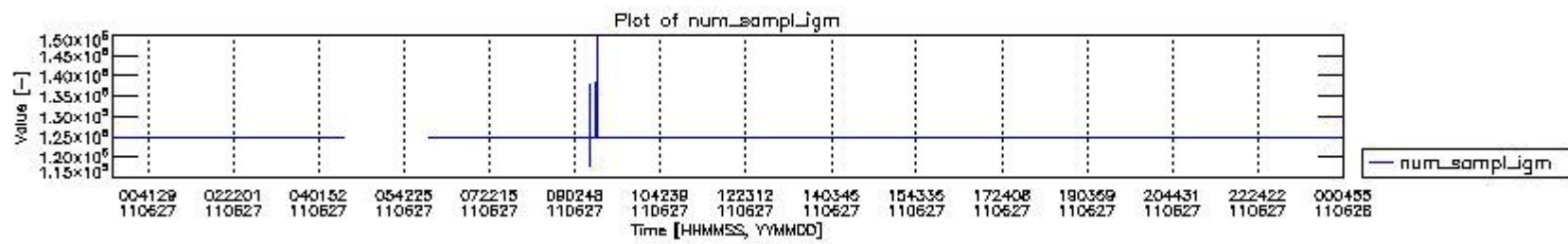
## 0.2 Instrument Operational Performance Parameters

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.

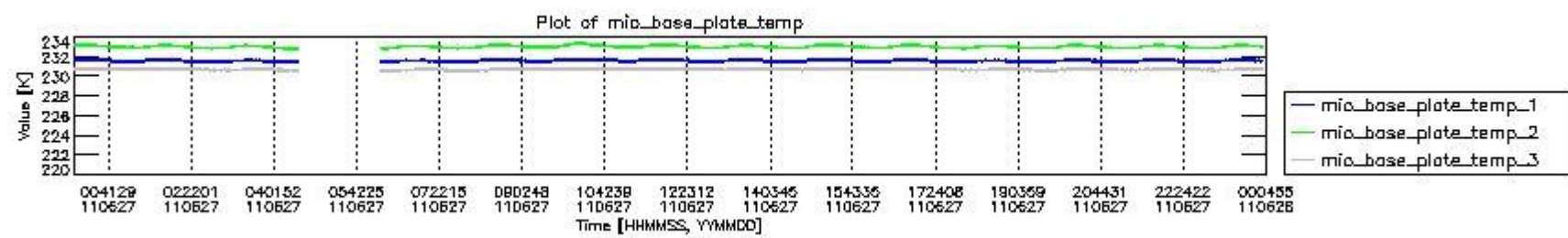
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
117569	1	0.0025854491
124800	35933	92.902942
124803	2739	7.0815451

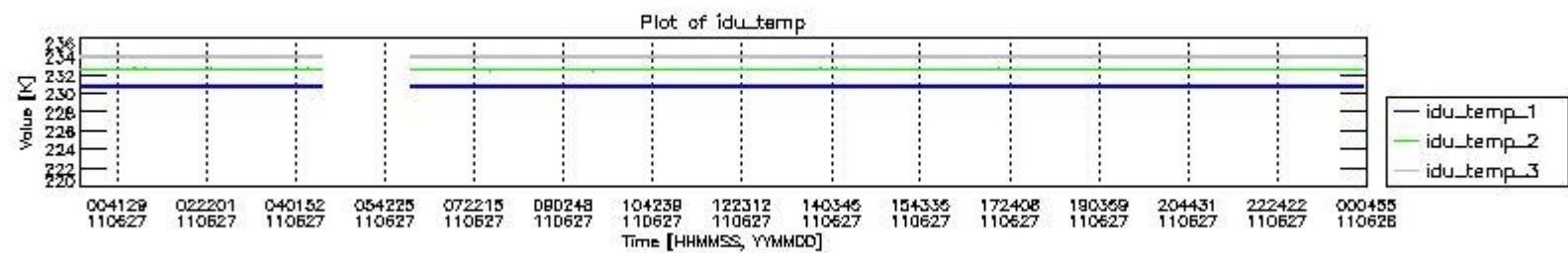
127233	1	0.0025854491
130470	1	0.0025854491
137701	1	0.0025854491
147365	1	0.0025854491
149798	1	0.0025854491



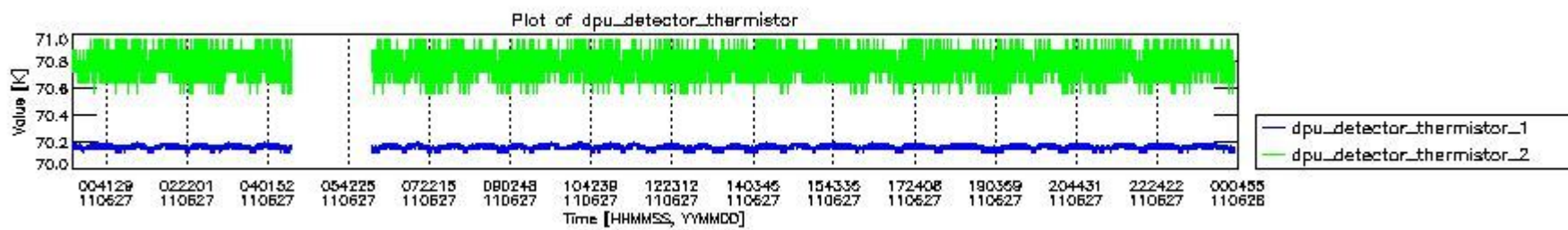
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110627\_0.PNG



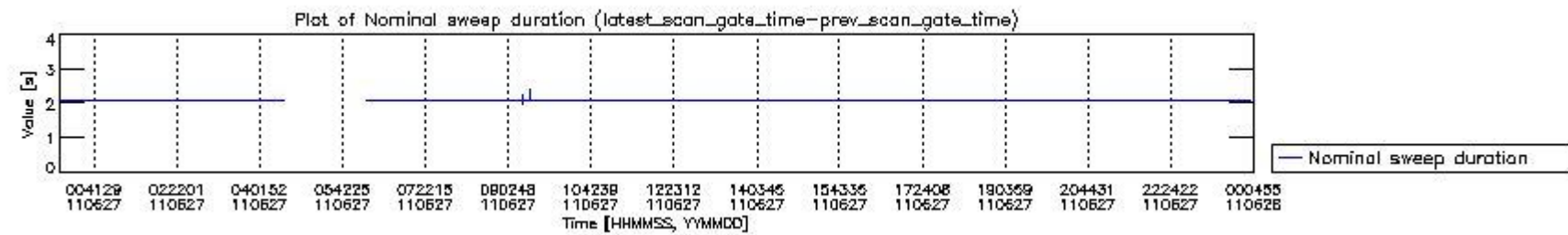
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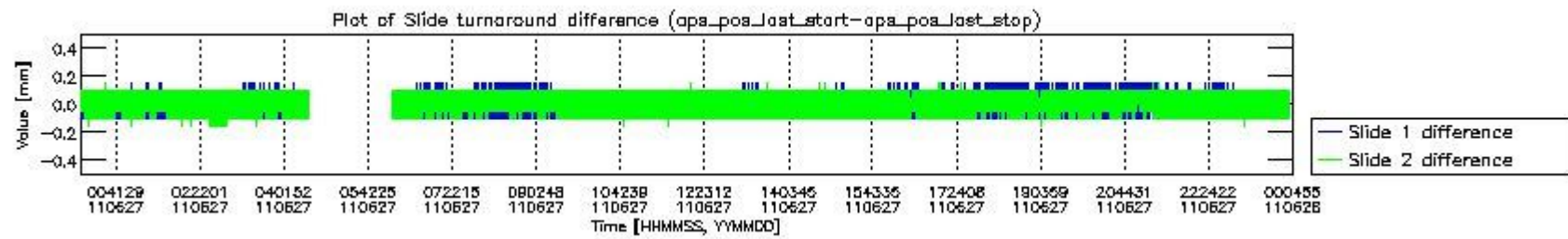
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110627\_2.PNG



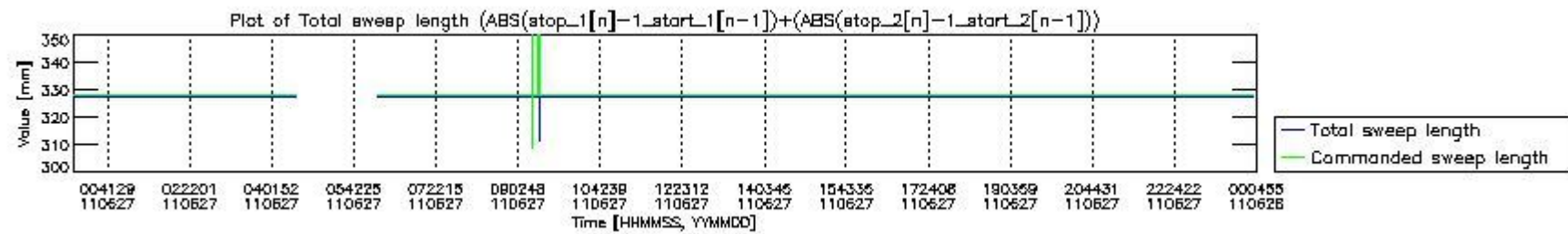
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110627\_3.PNG



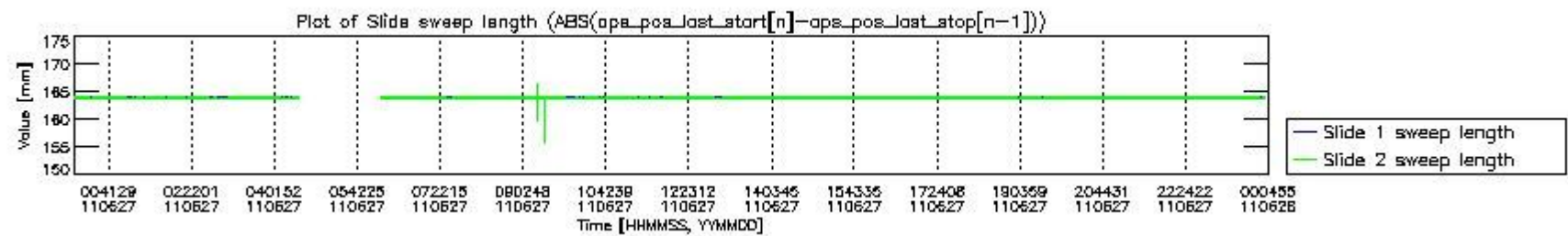
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110627\_4.PNG



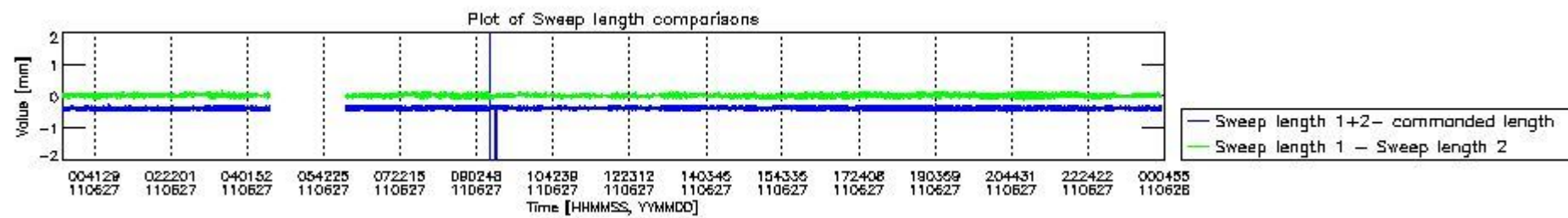
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110627\_5.PNG



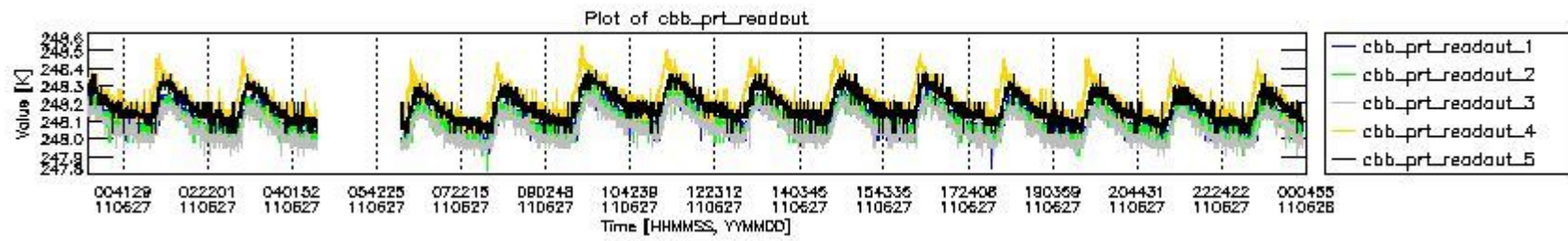
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110627\_6.PNG



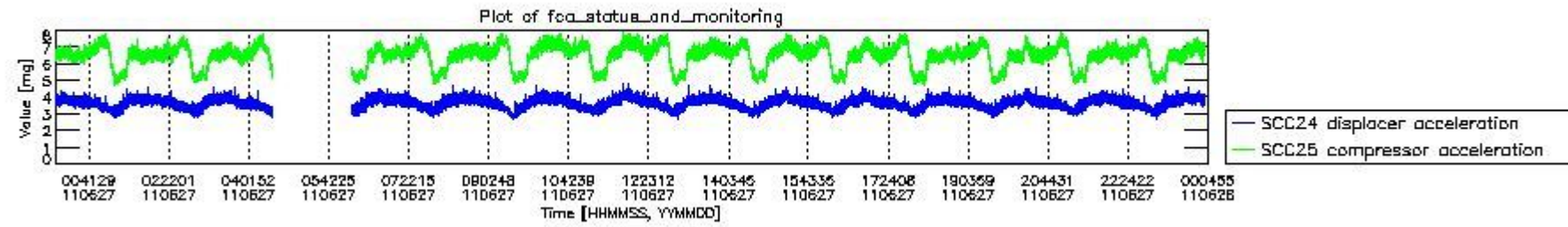
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110627\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110627\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110627\_9.PNG

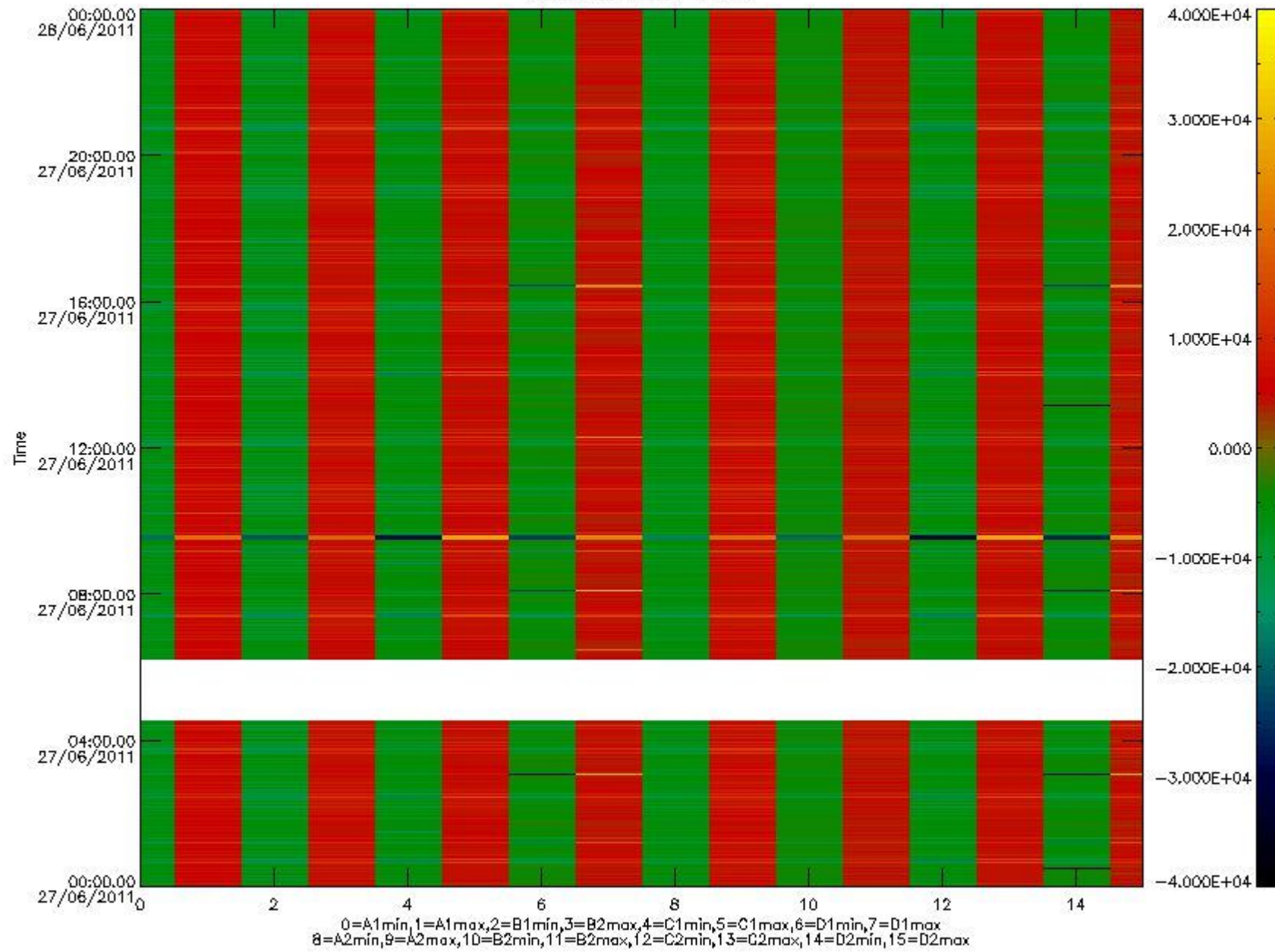


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110627\_10.PNG

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

Channel	Min	Max	ADC
A1	-19093	20298	16bit
B1	-22082	18819	16bit
C1	-28445	28387	16bit
D1	-32768	32767	16bit
A2	-16464	20464	16bit
B2	-20453	19972	16bit
C2	-29524	29243	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\_20110627\_11.PNG

### 0.3 ADF monitoring

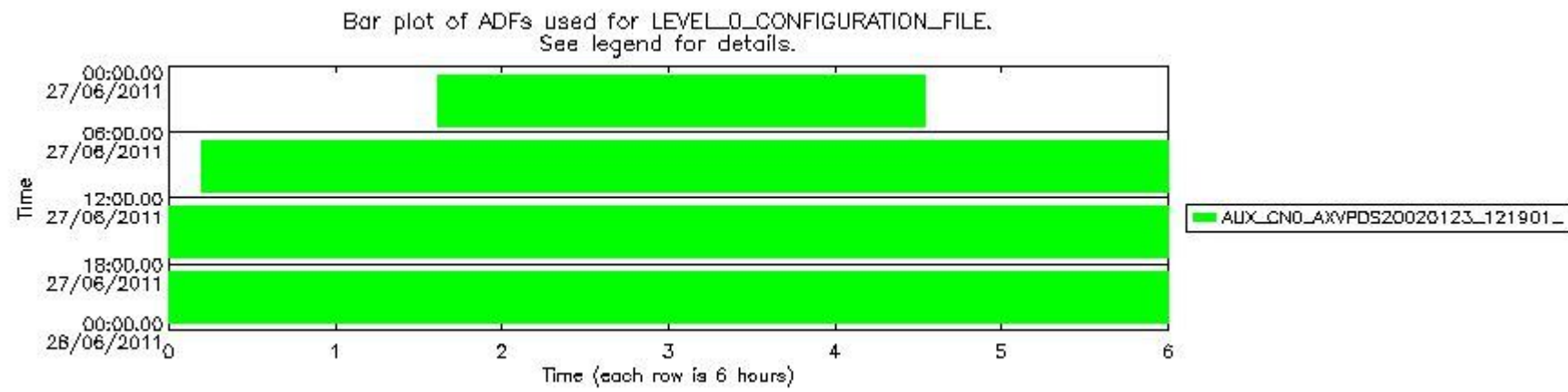
The use of ADFs is shown in two ways:

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.

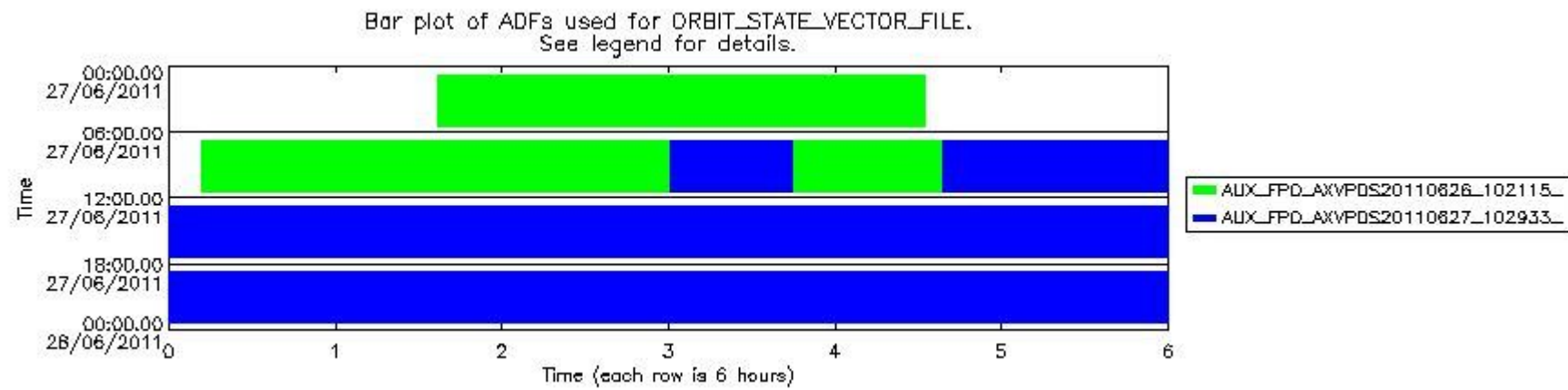
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110626_102115_20110625_194537_20110705_201910
2	AUX_FPO_AXVPDS20110627_102933_20110626_190853_20110706_212240

Number	Product name	#CN0	#FPO
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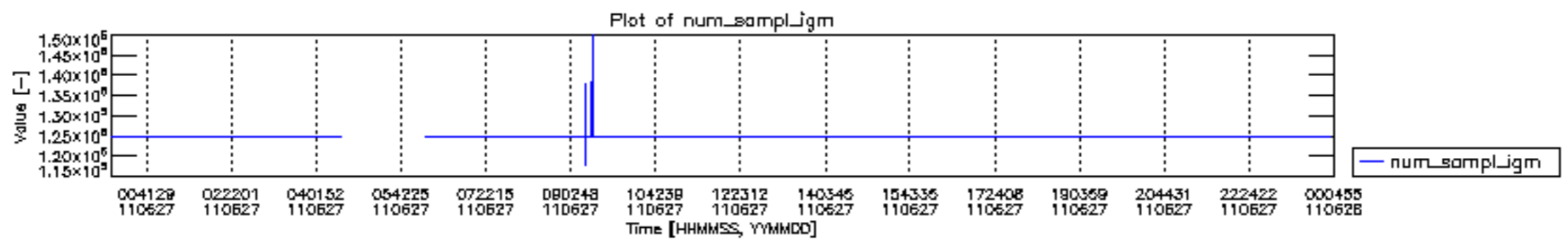
0	MIP_NL__0PNPDE20110627_013708_000043453104_00031_48752_9119.N1	0	1
1	MIP_NL__0PNPDE20110627_024900_000061803104_00032_48753_9120.N1	0	1
2	MIP_NL__0PNPDK20110627_061140_000041033104_00034_48755_5598.N1	0	1
3	MIP_NL__0PNPDK20110627_071930_000061193104_00035_48756_5599.N1	0	1
4	MIP_NL__0PNPDK20110627_090045_000059383104_00036_48757_5605.N1	0	2
5	MIP_NL__0PNPDK20110627_094526_000032573104_00036_48757_5601.N1	0	1
6	MIP_NL__0PNPDK20110627_103901_000059623104_00037_48758_5602.N1	0	2
7	MIP_NL__0PNPDK20110627_121741_000059693104_00038_48759_5603.N1	0	2
8	MIP_NL__0PNPDK20110627_135637_000059523104_00039_48760_5604.N1	0	2
9	MIP_NL__0PNPDK20110627_153504_000058563104_00040_48761_5606.N1	0	2
10	MIP_NL__0PNPDK20110627_171156_000059353104_00041_48762_5607.N1	0	2
11	MIP_NL__0PNPDK20110627_184953_000059143104_00042_48763_5608.N1	0	2
12	MIP_NL__0PNPDE20110627_202728_000043563104_00043_48764_9122.N1	0	2
13	MIP_NL__0PNPDE20110627_213905_000061593104_00043_48764_9123.N1	0	2
14	MIP_NL__0PNPDE20110627_232046_000061443104_00044_48765_9124.N1	0	2

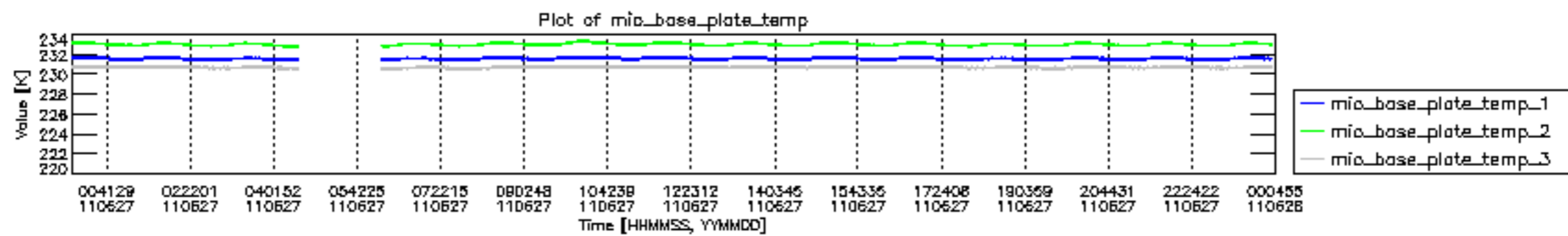


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110627\_12.PNG

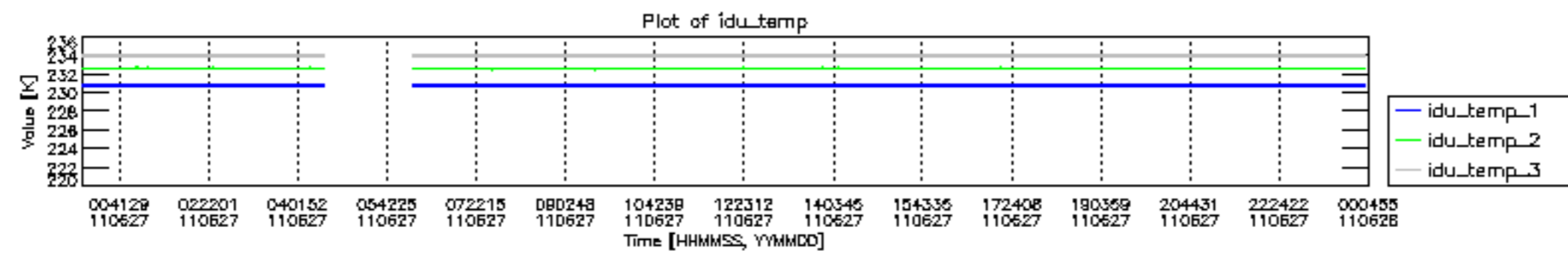


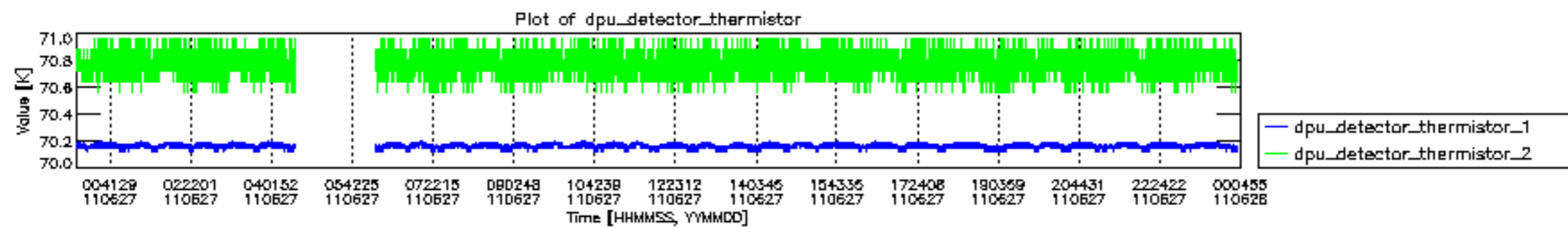
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110627\_13.PNG

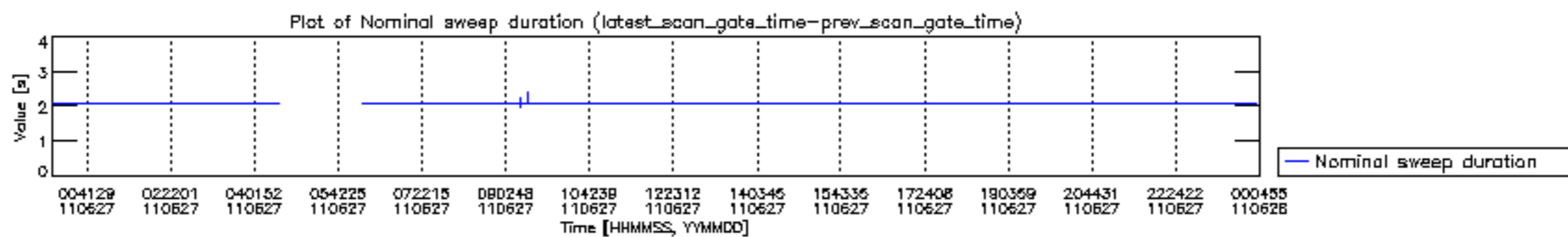


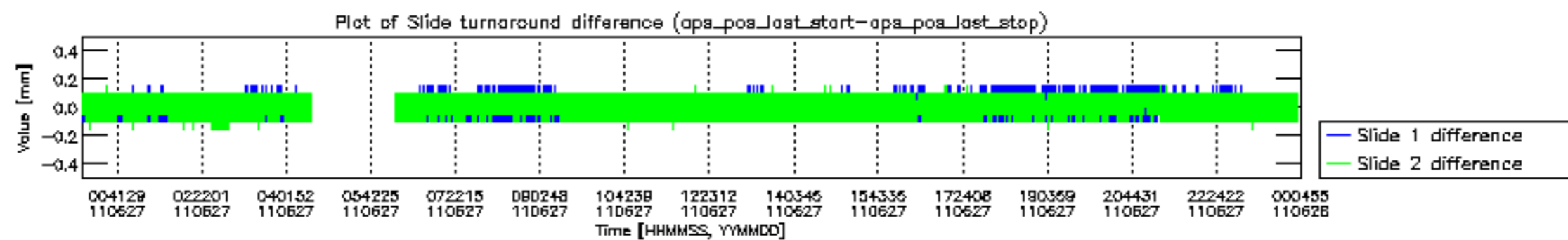


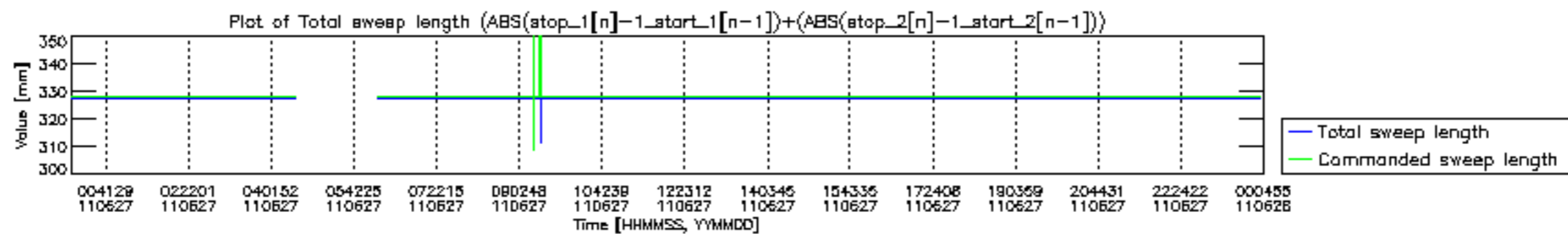


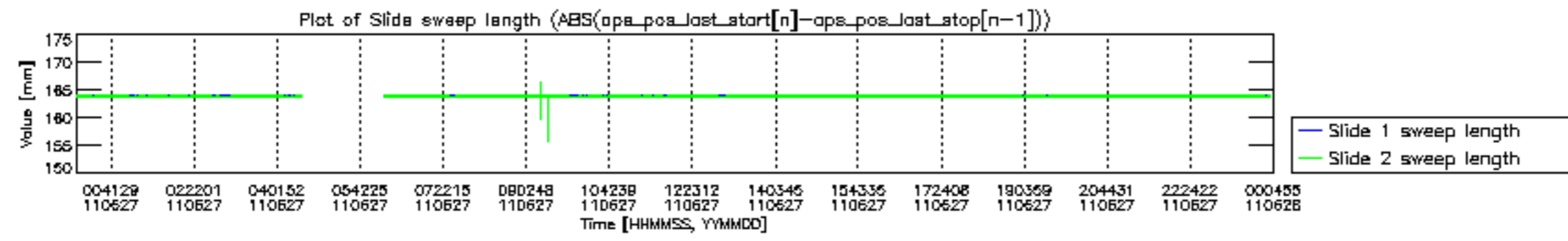


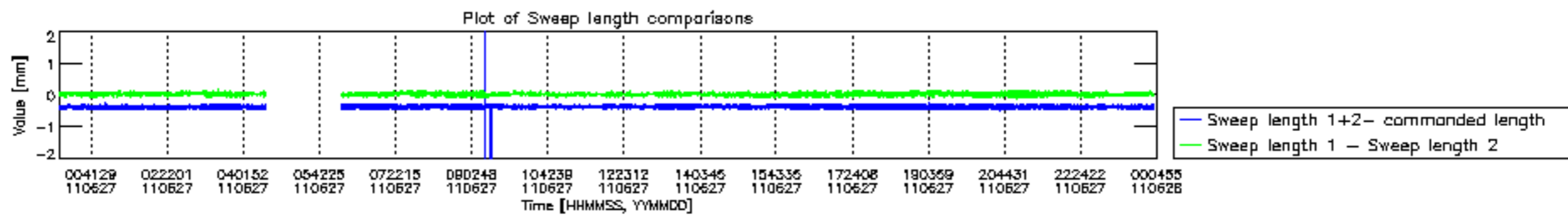


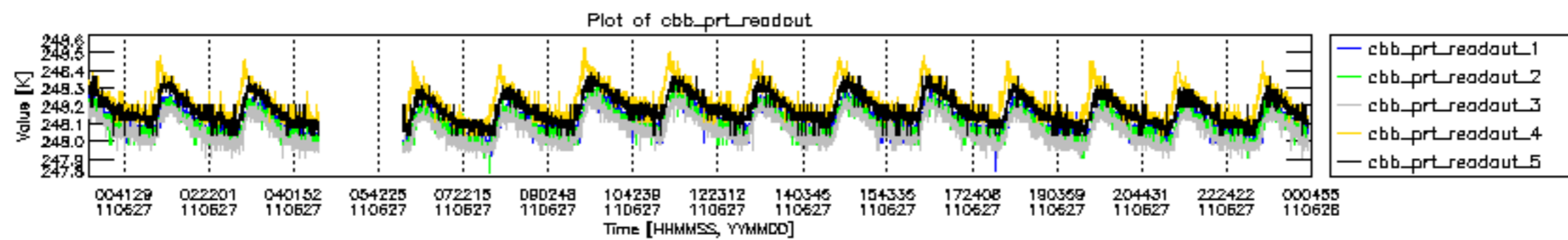




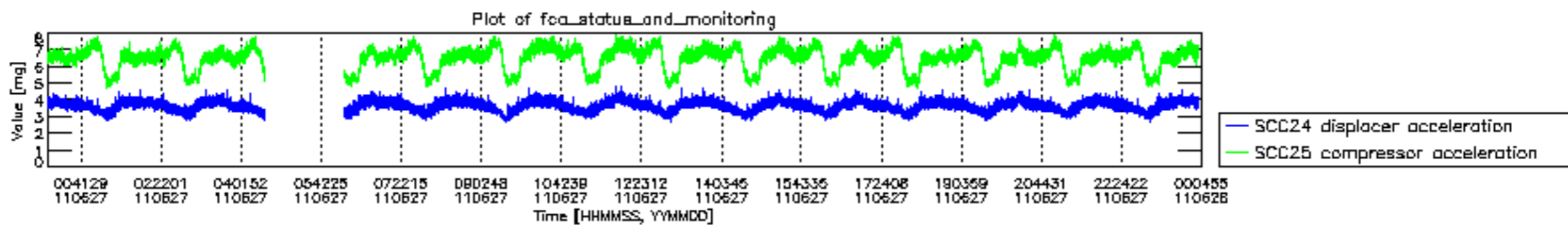












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

