

## 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	12MAY2011 05:21:26
Data source version	KSPT_L0/4504-N
Processing scope for products	07MAY2011 00:00:00 to 08MAY2011 00:00:00
Start time of first product within scope	07MAY2011 01:07:01
Stop time of last product within scope	08MAY2011 00:32:01
Total number of level 0 products	16
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__0PNPDE20110507_010701_000102493102_00160_48019_3588.N1	07MAY2011 01:07:01	07MAY2011 03:57:50	0	0	0	0	0
1	MIP_NL__0PNPDE20110507_015013_000076563102_00161_48020_3590.N1	07MAY2011 01:50:13	07MAY2011 03:57:50	0	0	0	0	0
2	MIP_NL__0PNPDE20110507_035716_000062503102_00162_48021_3591.N1	07MAY2011 03:57:16	07MAY2011 05:41:27	0	0	0	0	0
3	MIP_NL__0PNPDE20110507_054053_000060673102_00163_48022_3592.N1	07MAY2011 05:40:53	07MAY2011 07:22:00	0	0	0	0	0
4	MIP_NL__0PNPDK20110507_072116_000040403102_00164_48023_5078.N1	07MAY2011 07:21:16	07MAY2011 08:28:36	0	0	0	0	0
5	MIP_NL__0PNPDK20110507_082803_000060833102_00165_48024_5079.N1	07MAY2011 08:28:03	07MAY2011 10:09:26	0	0	0	0	0
6	MIP_NL__0PNPDK20110507_100846_000014973102_00166_48025_5080.N1	07MAY2011 10:08:46	07MAY2011 10:33:43	0	0	0	0	0
7	MIP_NL__0PNPDK20110507_103343_000045133102_00166_48025_5081.N1	07MAY2011 10:33:43	07MAY2011 11:48:56	0	0	0	0	0
8	MIP_NL__0PNPDK20110507_114823_000059143102_00167_48026_5082.N1	07MAY2011 11:48:23	07MAY2011 13:26:57	0	0	0	0	0
9	MIP_NL__0PNPDK20110507_132613_000059733102_00168_48027_5083.N1	07MAY2011 13:26:13	07MAY2011 15:05:46	0	0	0	0	0
10	MIP_NL__0PNPDK20110507_150504_000057873102_00169_48028_5084.N1	07MAY2011 15:05:04	07MAY2011 16:41:30	0	0	0	0	0
11	MIP_NL__0PNPDK20110507_164034_000060063102_00170_48029_5085.N1	07MAY2011 16:40:34	07MAY2011 18:20:40	0	0	0	0	0
12	MIP_NL__0PNPDK20110507_181912_000060103102_00171_48030_5086.N1	07MAY2011 18:19:12	07MAY2011 19:59:22	0	0	0	0	0
13	MIP_NL__0PNPDE20110507_195750_000040973102_00172_48031_3593.N1	07MAY2011 19:57:50	07MAY2011 21:06:07	0	0	0	0	0
14	MIP_NL__0PNPDE20110507_210508_000063953102_00172_48031_3594.N1	07MAY2011 21:05:08	07MAY2011 22:51:43	0	0	0	0	0
15	MIP_NL__0PNPDE20110507_225047_000060753102_00173_48032_3595.N1	07MAY2011 22:50:47	08MAY2011 00:32:01	0	0	0	0	0

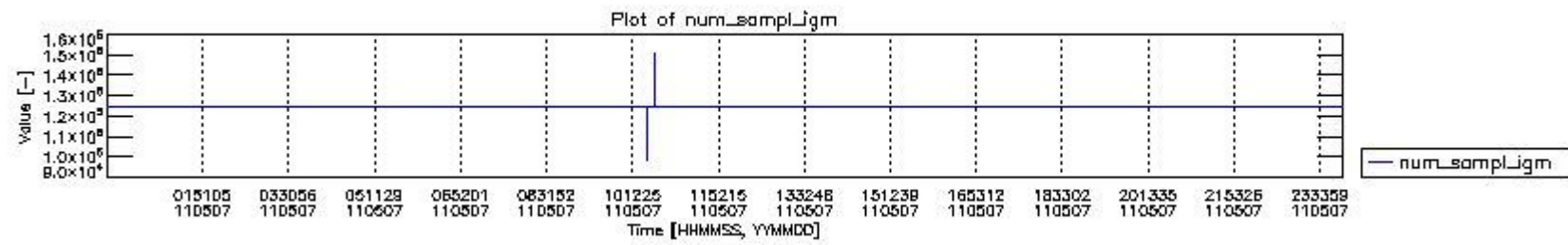
## 0.2 Instrument Operational Performance Parameters

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.

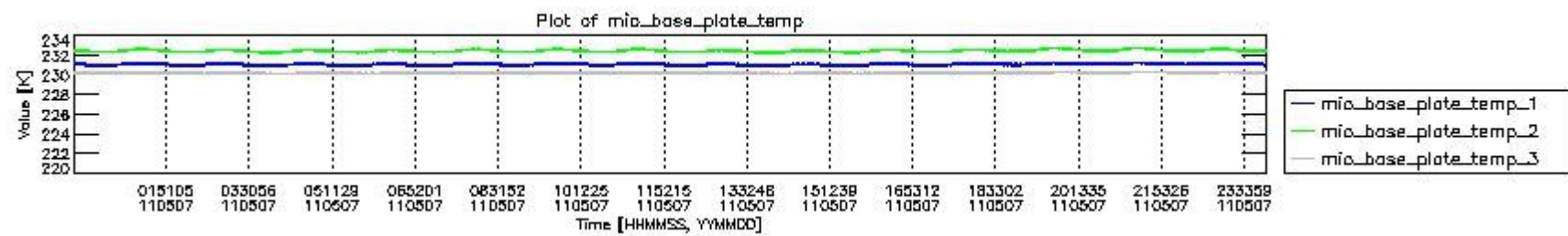
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98354	1	0.0024123706
101511	1	0.0024123706

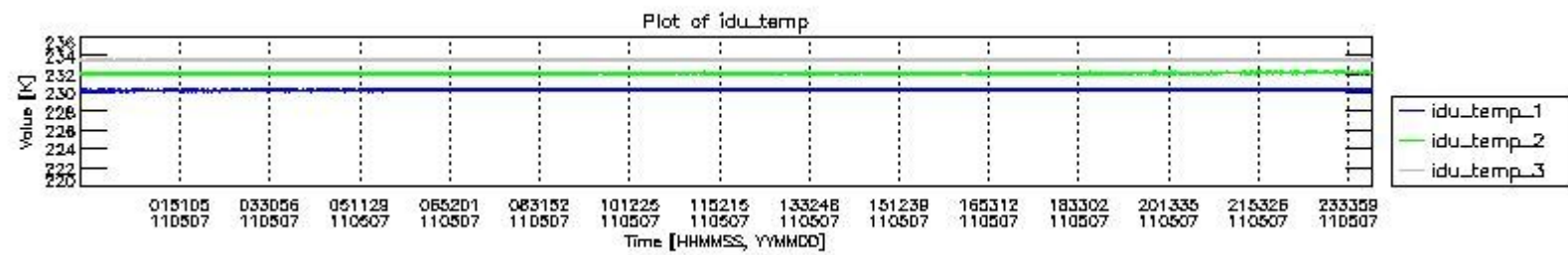
121643	1	0.0024123706
124800	38506	92.890744
124803	2941	7.0947820
127679	1	0.0024123706
147811	1	0.0024123706
150690	1	0.0024123706



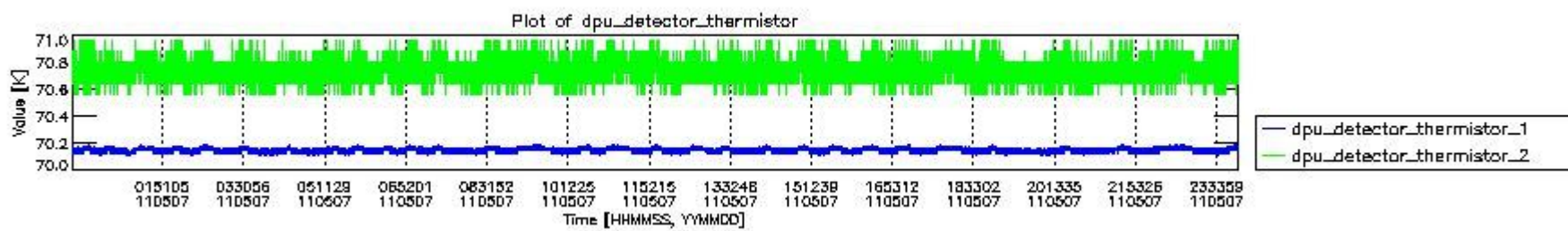
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110507\_0.PNG



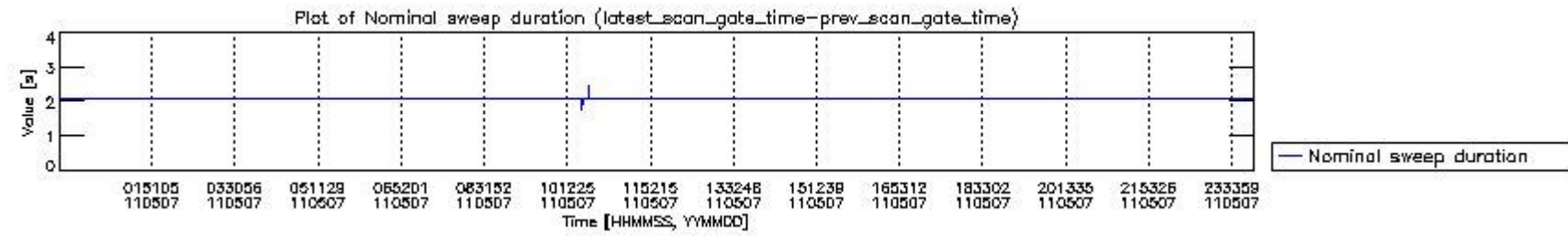
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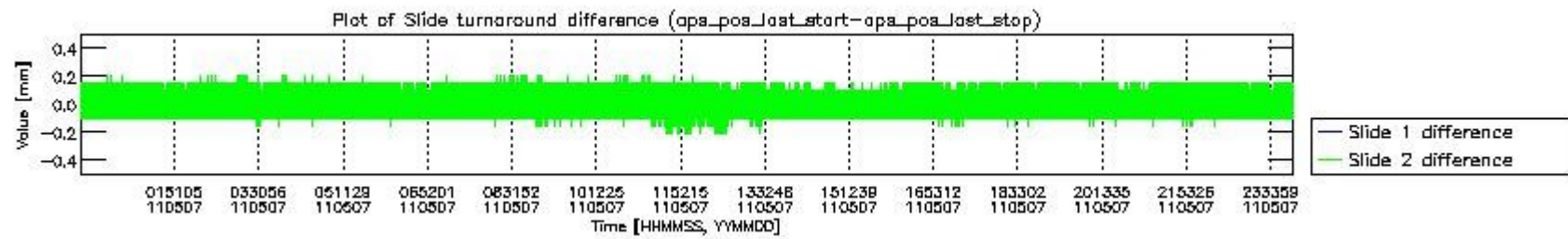
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110507\_2.PNG



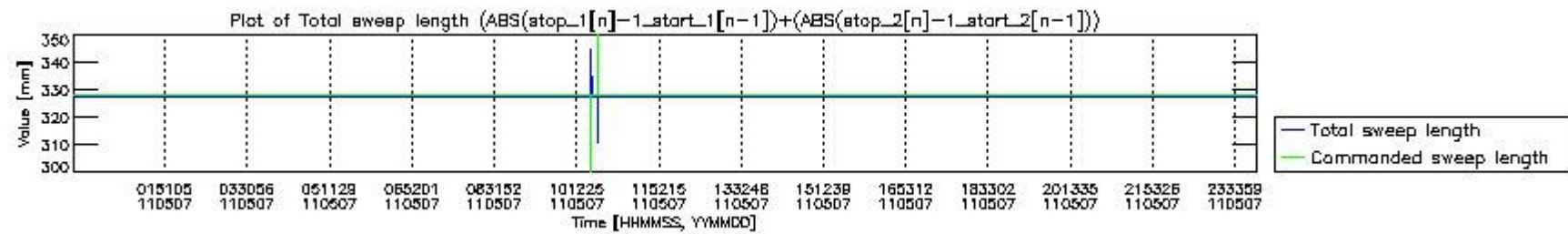
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110507\_3.PNG



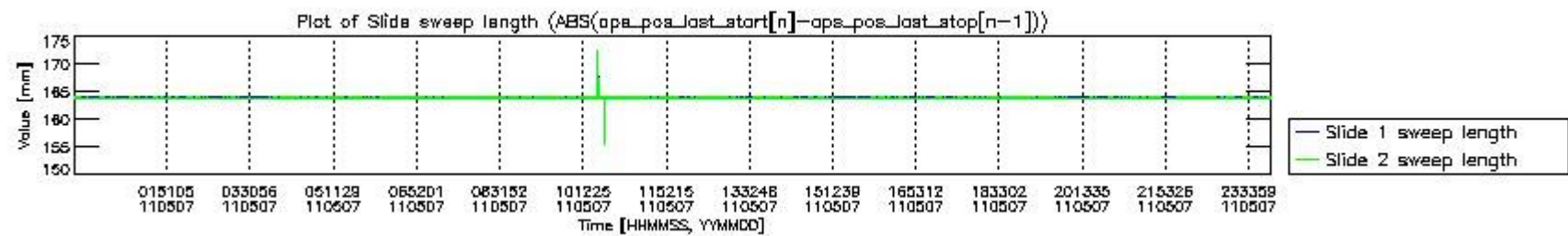
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110507\_4.PNG



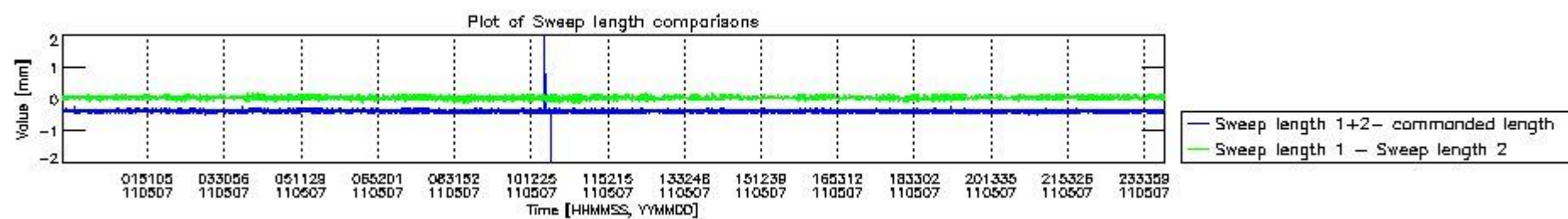
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110507\_5.PNG



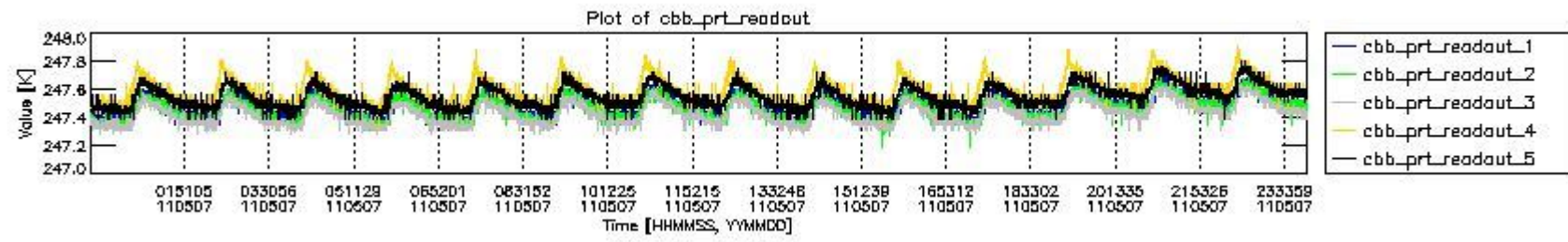
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110507\_6.PNG



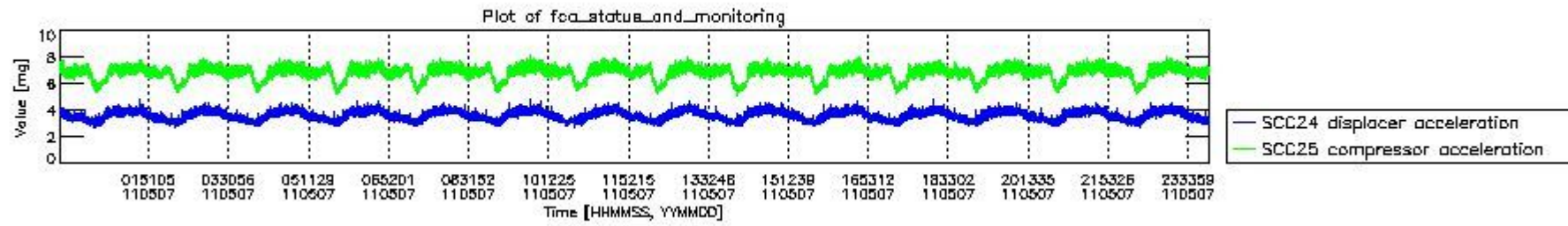
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110507\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110507\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110507\_9.PNG

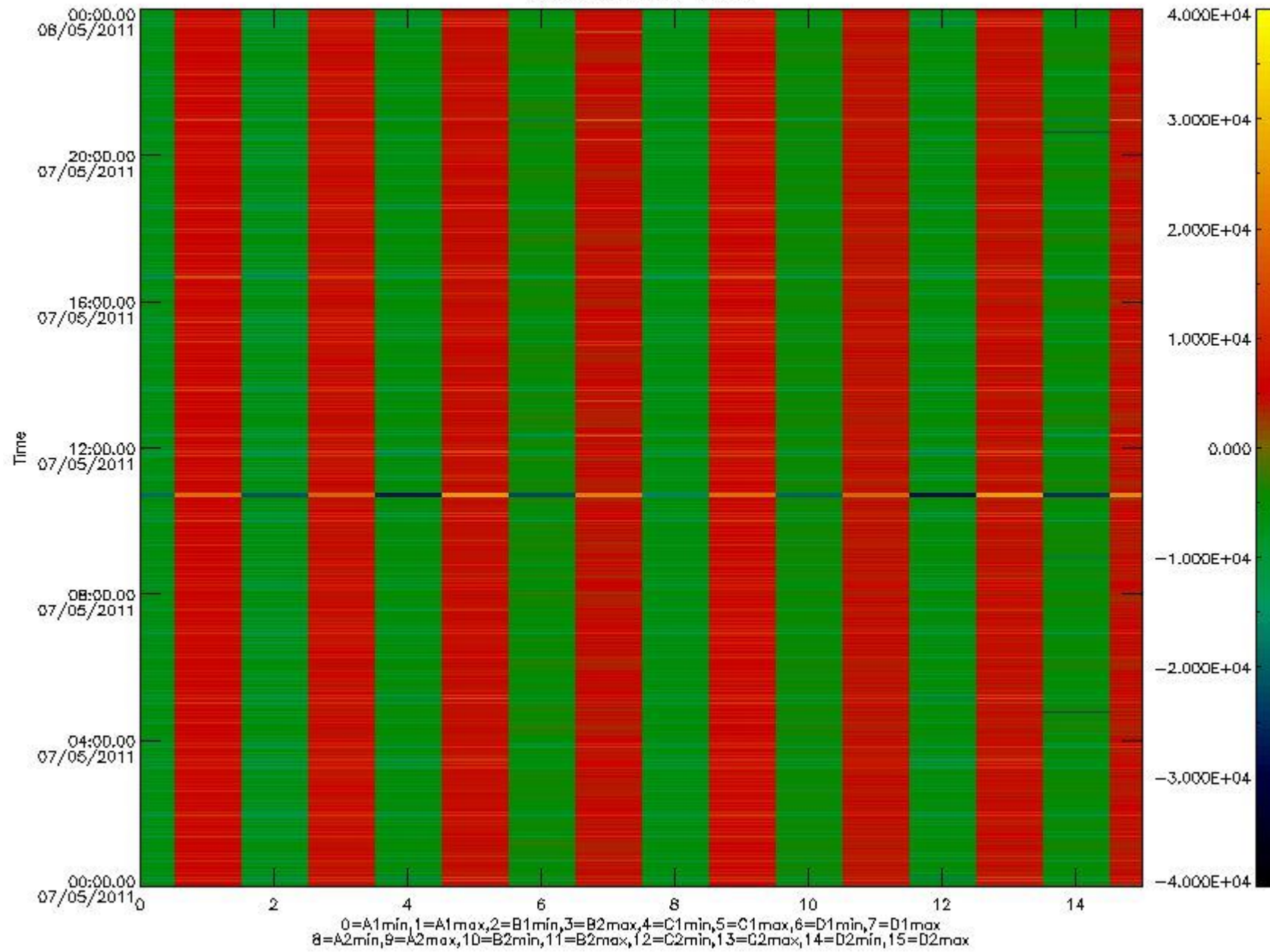


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110507\_10.PNG

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

Channel	Min	Max	ADC
A1	-19201	20662	16bit
B1	-22390	18881	16bit
C1	-27531	27447	16bit
D1	-32768	32767	16bit
A2	-16535	20827	16bit
B2	-20740	19954	16bit
C2	-28622	28262	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\_20110507\_11.PNG

### 0.3 ADF monitoring

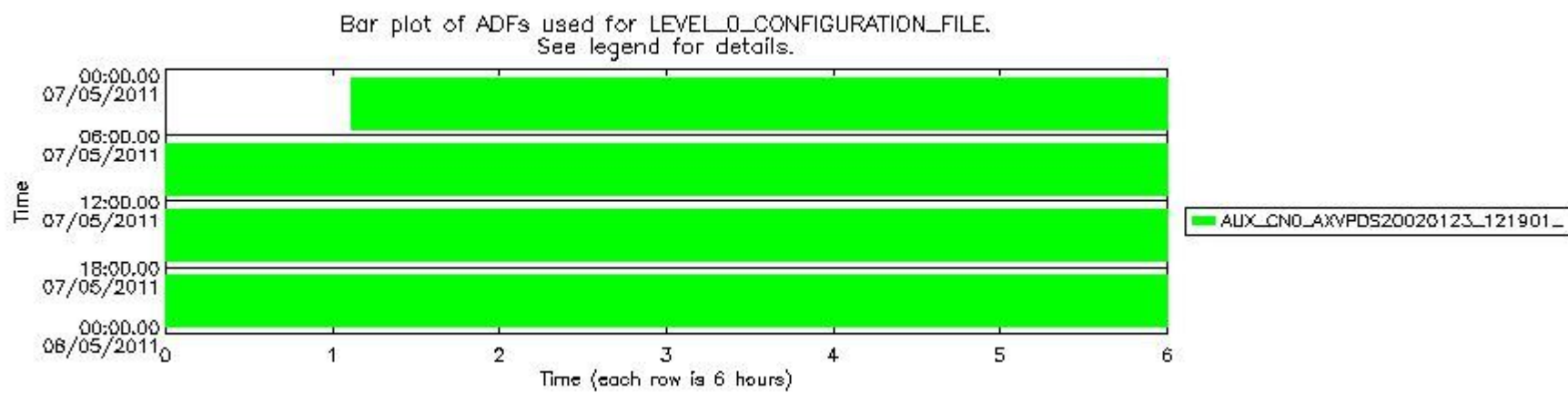
The use of ADFs is shown in two ways:

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.

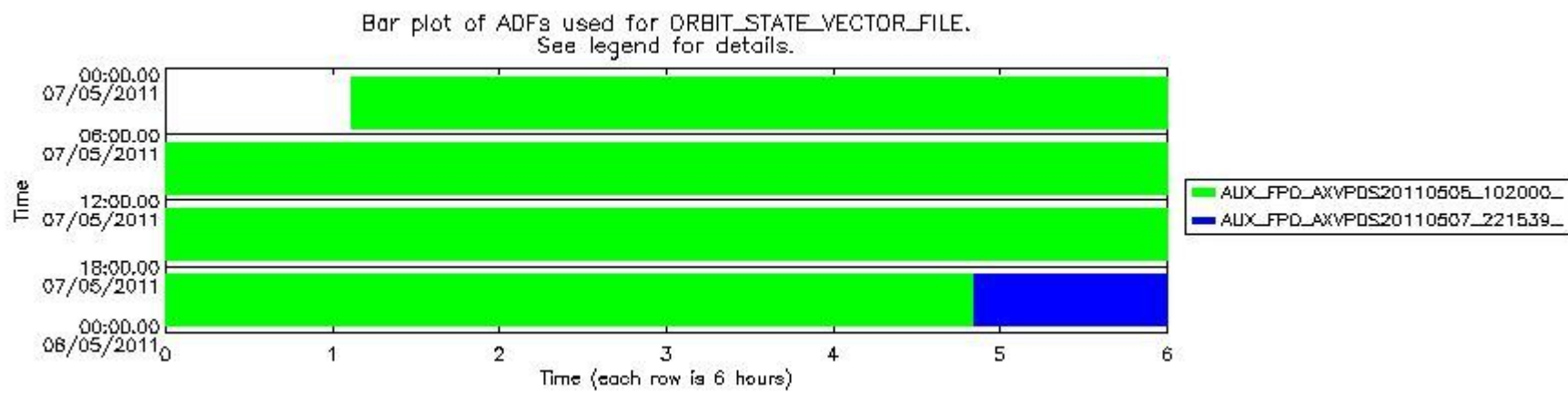
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110505_102000_20110504_195128_20110514_202503
2	AUX_FPO_AXVPDS20110507_221539_20110506_183800_20110516_205149

Number	Product name	#CN0	#FPO
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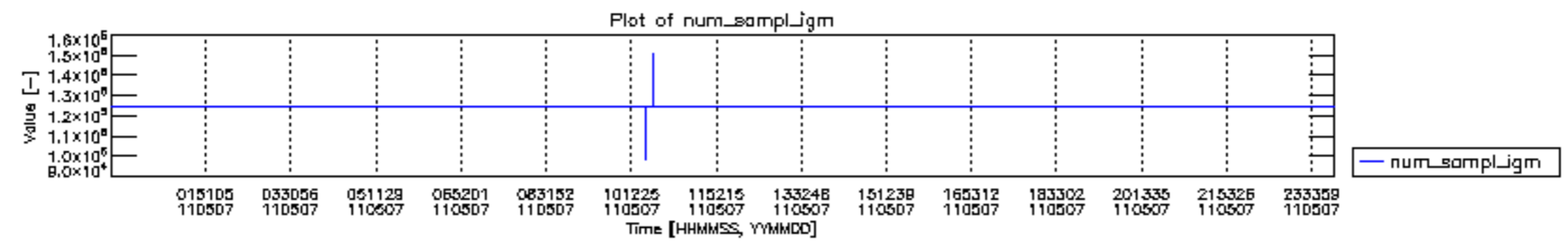
0	MIP_NL__0PNPDE20110507_010701_000102493102_00160_48019_3588.N1	0	1
1	MIP_NL__0PNPDE20110507_015013_000076563102_00161_48020_3590.N1	0	1
2	MIP_NL__0PNPDE20110507_035716_000062503102_00162_48021_3591.N1	0	1
3	MIP_NL__0PNPDE20110507_054053_000060673102_00163_48022_3592.N1	0	1
4	MIP_NL__0PNPDK20110507_072116_000040403102_00164_48023_5078.N1	0	1
5	MIP_NL__0PNPDK20110507_082803_000060833102_00165_48024_5079.N1	0	1
6	MIP_NL__0PNPDK20110507_100846_000014973102_00166_48025_5080.N1	0	1
7	MIP_NL__0PNPDK20110507_103343_000045133102_00166_48025_5081.N1	0	1
8	MIP_NL__0PNPDK20110507_114823_000059143102_00167_48026_5082.N1	0	1
9	MIP_NL__0PNPDK20110507_132613_000059733102_00168_48027_5083.N1	0	1
10	MIP_NL__0PNPDK20110507_150504_000057873102_00169_48028_5084.N1	0	1
11	MIP_NL__0PNPDK20110507_164034_000060063102_00170_48029_5085.N1	0	1
12	MIP_NL__0PNPDK20110507_181912_000060103102_00171_48030_5086.N1	0	1
13	MIP_NL__0PNPDE20110507_195750_000040973102_00172_48031_3593.N1	0	1
14	MIP_NL__0PNPDE20110507_210508_000063953102_00172_48031_3594.N1	0	1
15	MIP_NL__0PNPDE20110507_225047_000060753102_00173_48032_3595.N1	0	2

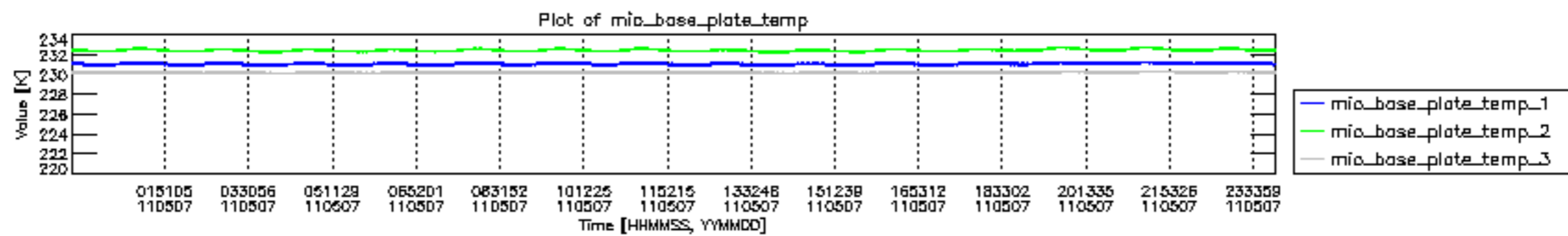


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110507\_12.PNG

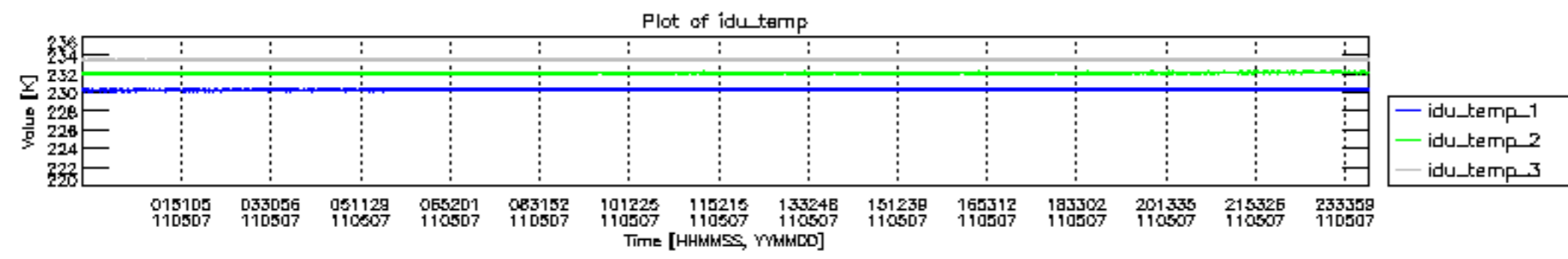


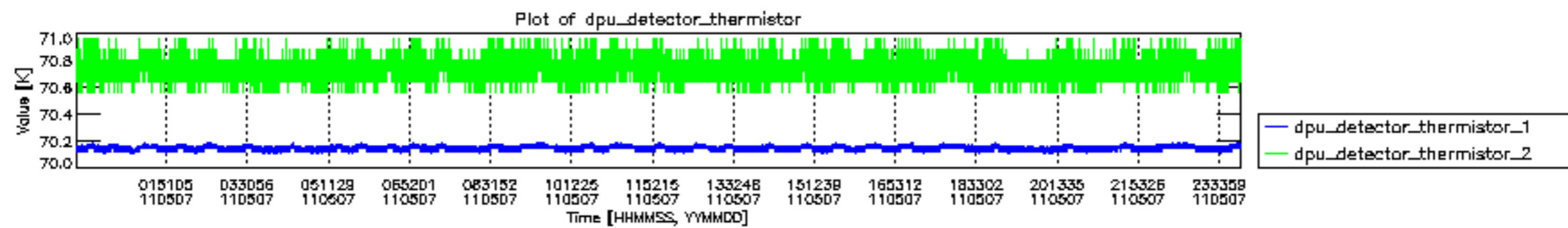
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110507\_13.PNG

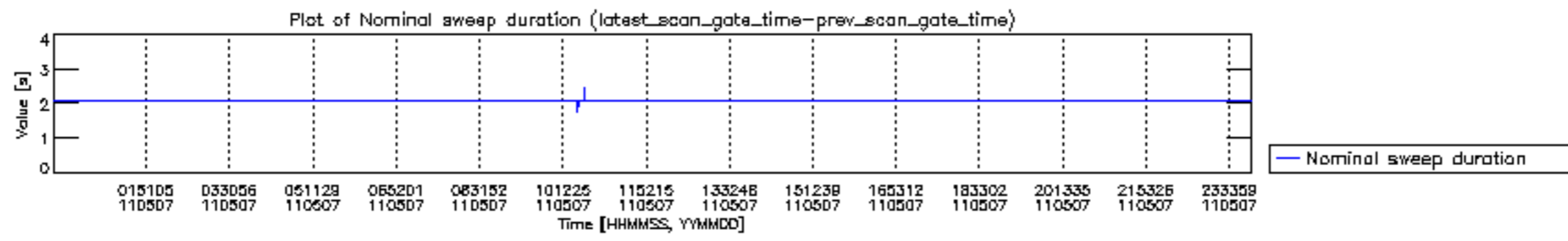


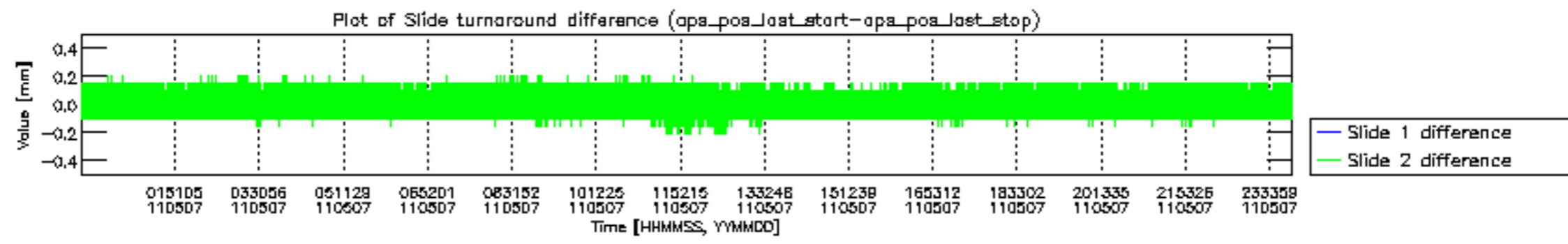


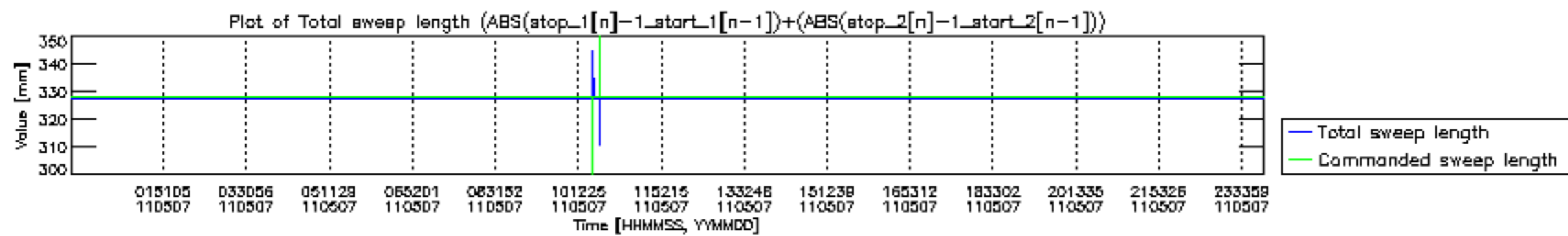


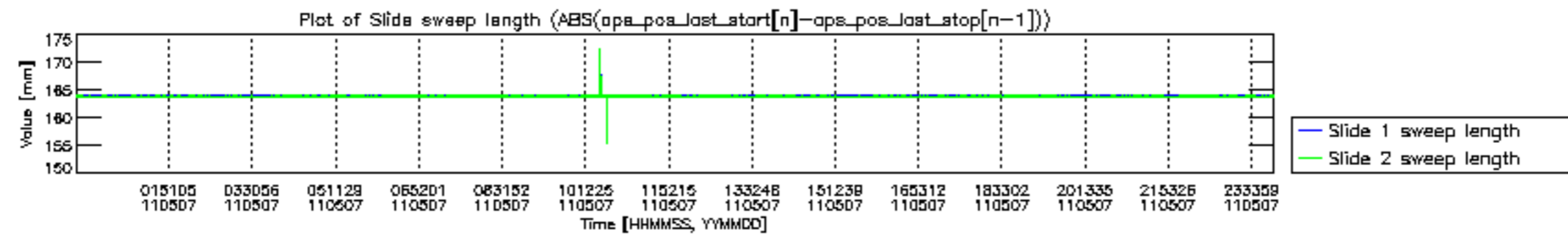


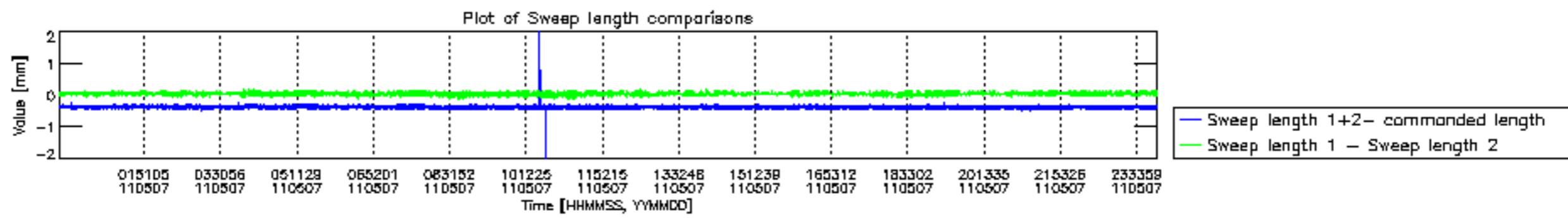


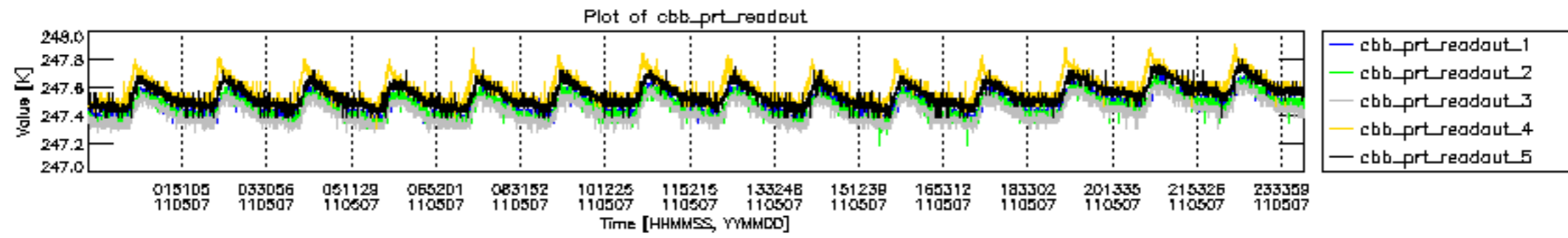




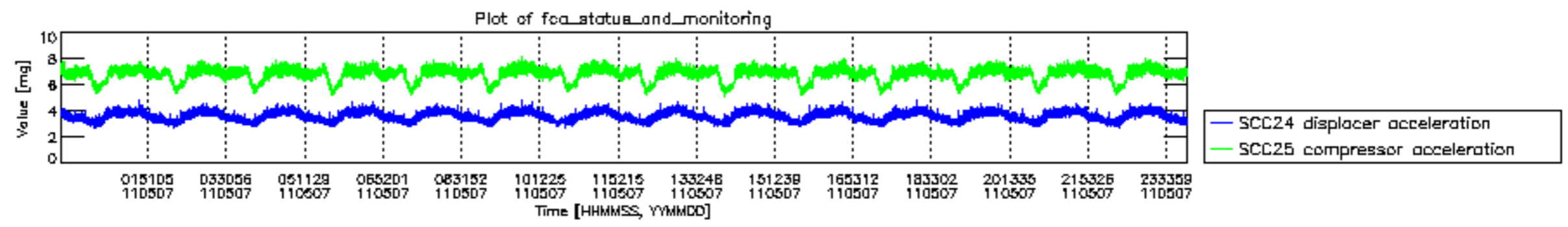












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

