

## 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	22JAN2012 05:20:10
Data source version	KSPT_L0/4504-N
Processing scope for products	17JAN2012 00:00:00 to 18JAN2012 00:00:00
Start time of first product within scope	17JAN2012 00:20:11
Stop time of last product within scope	18JAN2012 01:23:26
Total number of level 0 products	17
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__0PNPDE20120117_002011_000058263110_00375_51682_5365.N1	17JAN2012 00:20:11	17JAN2012 01:57:18	0	0	0	0	0
1	MIP_NL__0PNPDE20120117_015611_000044873110_00376_51683_5366.N1	17JAN2012 01:56:11	17JAN2012 03:10:58	0	0	0	0	0
2	MIP_NL__0PNPDE20120117_031020_000061713110_00377_51684_5367.N1	17JAN2012 03:10:20	17JAN2012 04:53:11	0	0	0	0	0
3	MIP_NL__0PNPDE20120117_045234_000060183110_00378_51685_5368.N1	17JAN2012 04:52:34	17JAN2012 06:32:52	0	0	0	0	0
4	MIP_NL__0PNPDK20120117_063216_000041263110_00379_51686_8288.N1	17JAN2012 06:32:16	17JAN2012 07:41:02	0	0	0	0	0
5	MIP_NL__0PNPDK20120117_073955_000061773110_00380_51687_8289.N1	17JAN2012 07:39:55	17JAN2012 09:22:53	0	0	0	0	0
6	MIP_NL__0PNPDK20120117_092117_000059393110_00381_51688_8290.N1	17JAN2012 09:21:17	17JAN2012 11:00:16	0	0	0	0	0
7	MIP_NL__0PNPDK20120117_105850_000060753110_00382_51689_8294.N1	17JAN2012 10:58:50	17JAN2012 12:40:05	1	1	0	0	0
8	MIP_NL__0PNPDK20120117_114328_000033973110_00382_51689_8292.N1	17JAN2012 11:43:28	17JAN2012 12:40:05	0	0	0	0	0
9	MIP_NL__0PNPDK20120117_123827_000060373110_00383_51690_8293.N1	17JAN2012 12:38:27	17JAN2012 14:19:04	0	0	0	0	0
10	MIP_NL__0PNPDK20120117_141755_000059063110_00384_51691_8295.N1	17JAN2012 14:17:55	17JAN2012 15:56:20	0	0	0	0	0
11	MIP_NL__0PNPDK20120117_155545_000058643110_00385_51692_8296.N1	17JAN2012 15:55:45	17JAN2012 17:33:29	0	0	0	0	0
12	MIP_NL__0PNPDK20120117_173228_000059813110_00386_51693_8297.N1	17JAN2012 17:32:28	17JAN2012 19:12:09	0	0	0	0	0
13	MIP_NL__0PNPDK20120117_191008_000059773110_00387_51694_8298.N1	17JAN2012 19:10:08	17JAN2012 20:49:44	0	0	0	0	0
14	MIP_NL__0PNPDE20120117_204743_000045563110_00388_51695_5369.N1	17JAN2012 20:47:43	17JAN2012 22:03:39	0	0	0	0	0
15	MIP_NL__0PNPDE20120117_220234_000061083110_00388_51695_5370.N1	17JAN2012 22:02:34	17JAN2012 23:44:22	0	0	0	0	0
16	MIP_NL__0PNPDE20120117_234316_000060103110_00389_51696_5371.N1	17JAN2012 23:43:16	18JAN2012 01:23:26	0	0	0	0	0

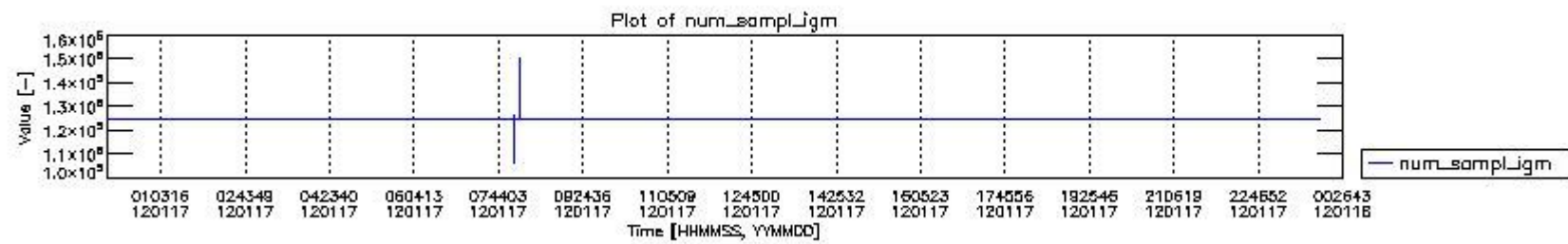
## 0.2 Instrument Operational Performance Parameters

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.

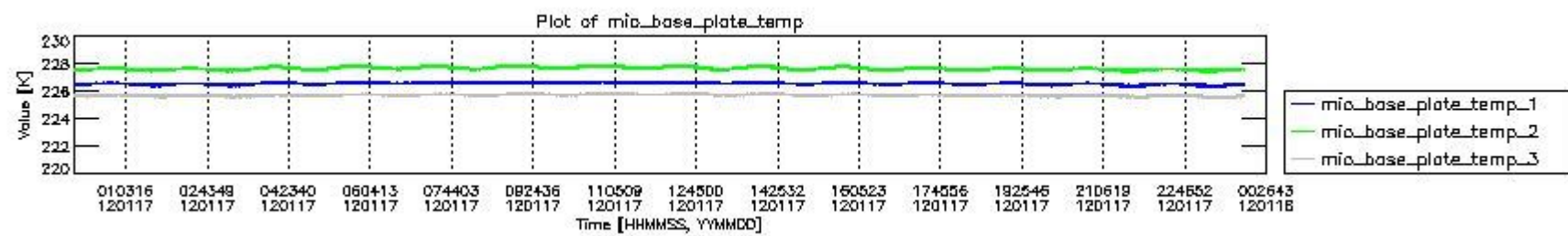
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
106046	1	0.0023977365

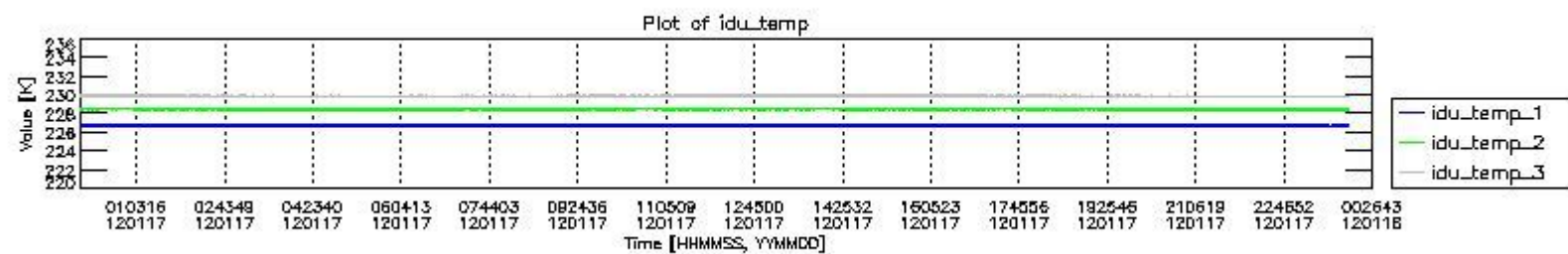
107424	1	0.0023977365
124800	38738	92.883518
124803	2962	7.1020956
126178	1	0.0023977365
127605	1	0.0023977365
147737	1	0.0023977365
150542	1	0.0023977365



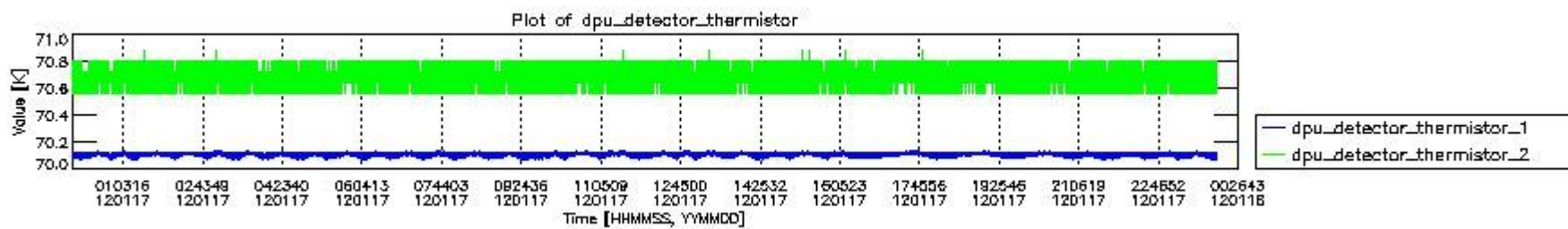
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120117\_0.PNG



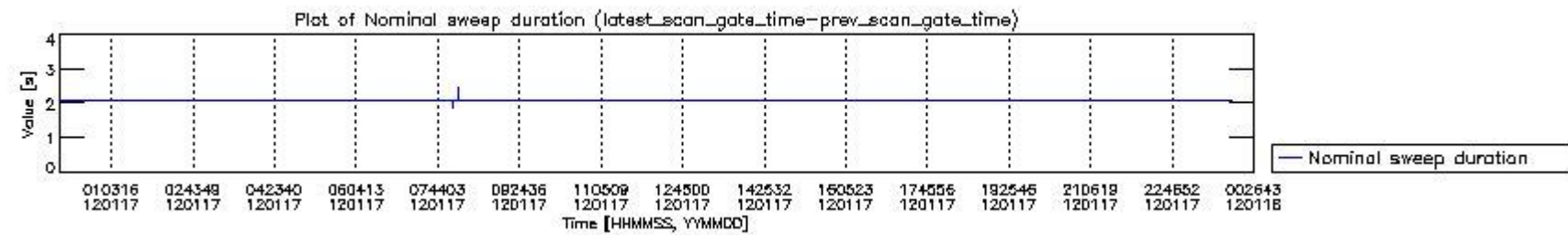
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120117\_1.PNG



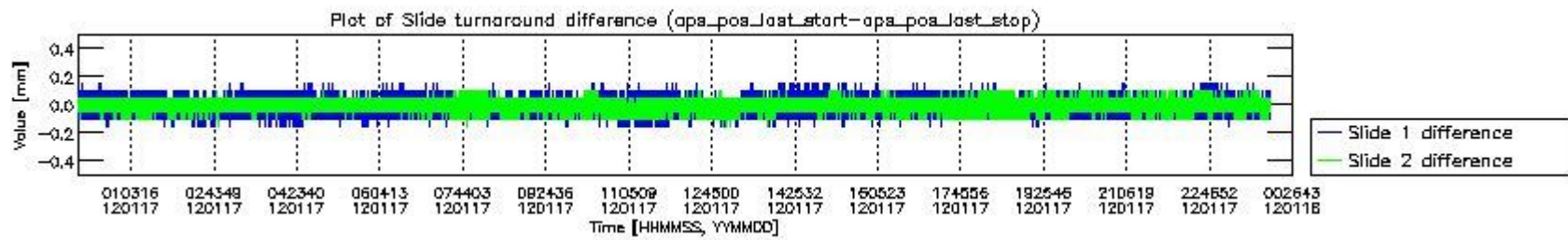
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120117\_2.PNG



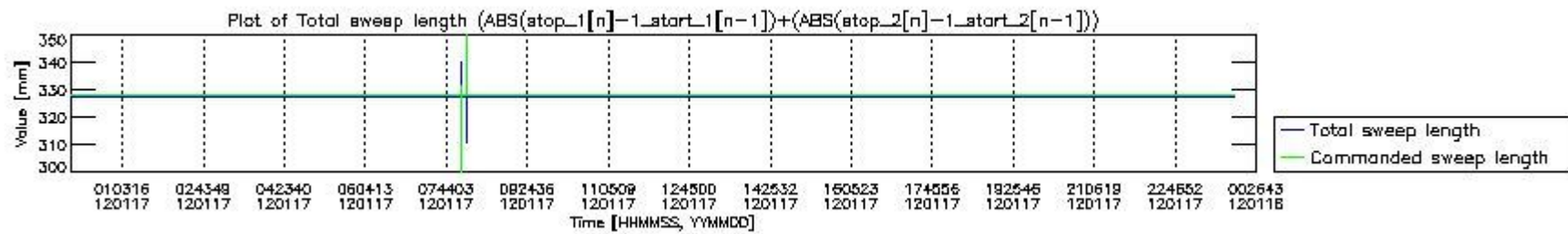
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120117\_3.PNG



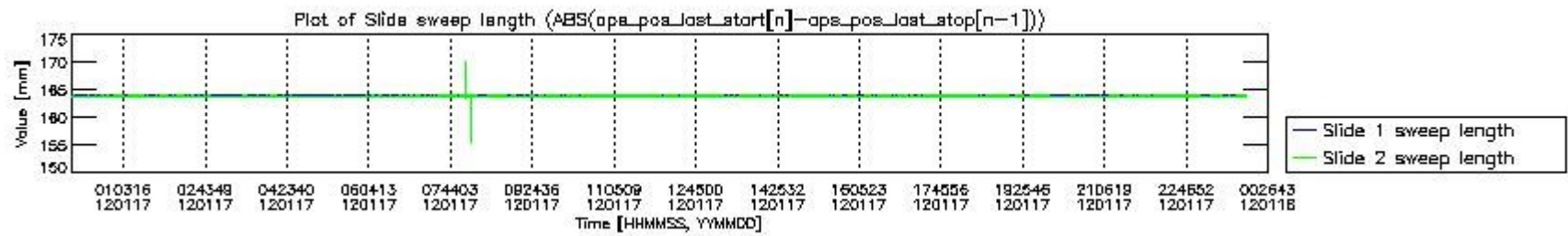
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120117\_4.PNG



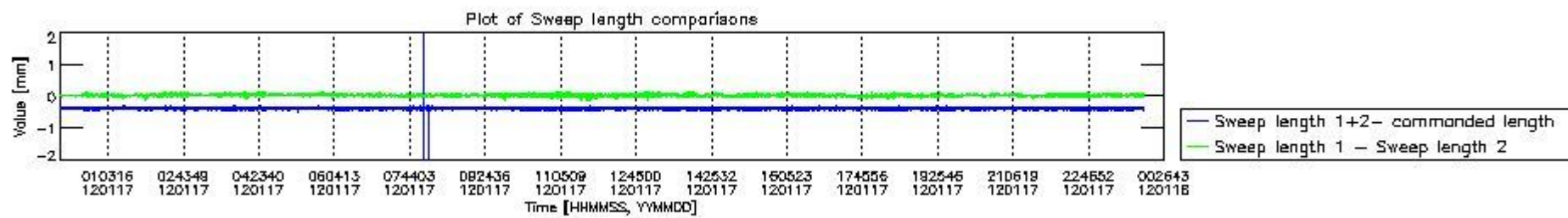
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120117\_5.PNG



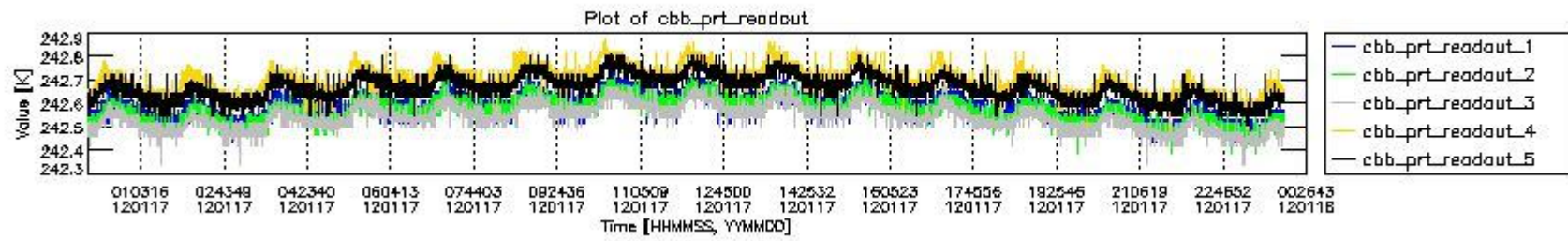
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120117\_6.PNG



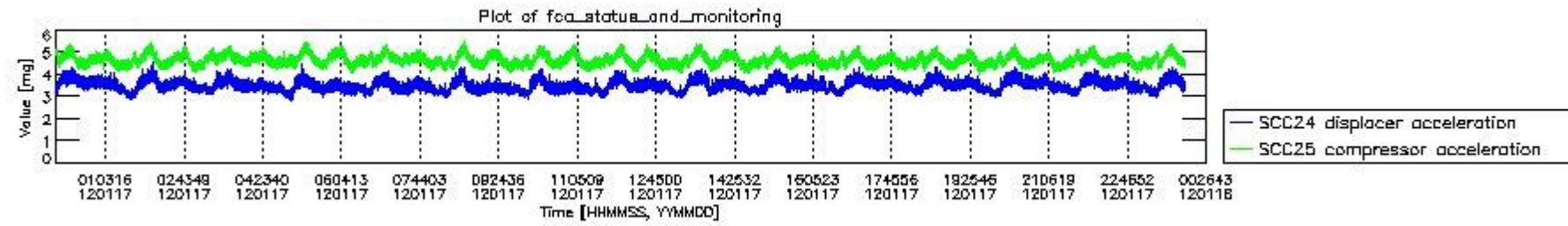
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120117\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120117\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120117\_9.PNG

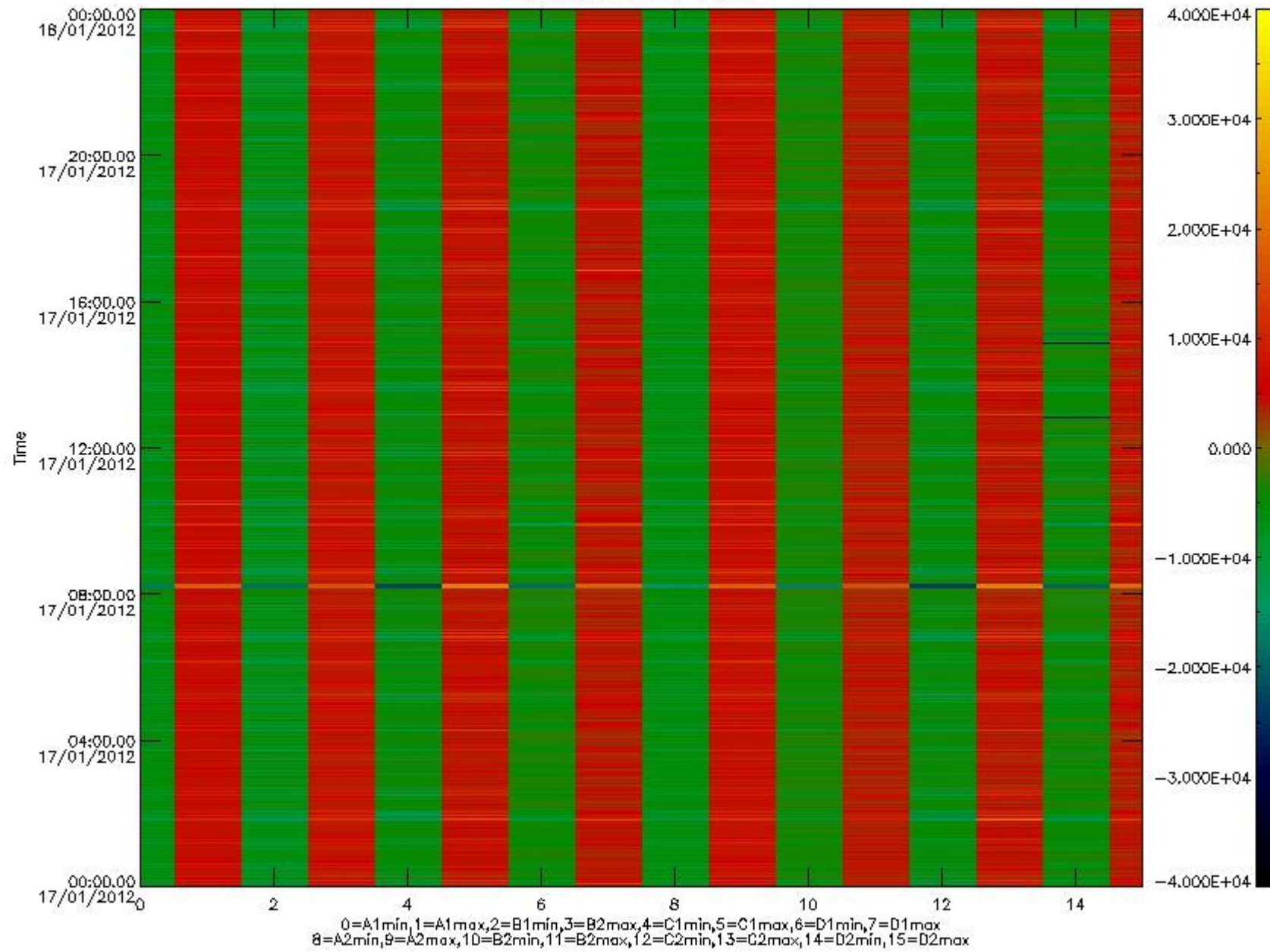


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120117\_10.PNG

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

Channel	Min	Max	ADC
A1	-17520	18498	16bit
B1	-19342	16745	16bit
C1	-23054	22728	16bit
D1	-24899	32767	16bit
A2	-15246	18695	16bit
B2	-17125	16875	16bit
C2	-23867	23881	16bit
D2	-32768	27592	16bit

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



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120117\_11.PNG

### 0.3 ADF monitoring

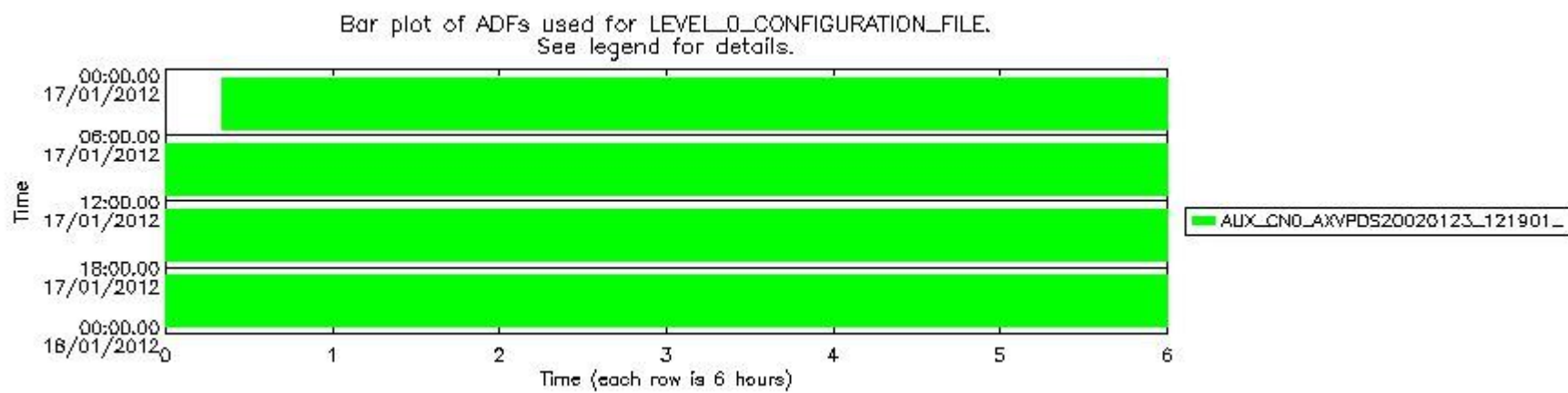
The use of ADFs is shown in two ways:

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.

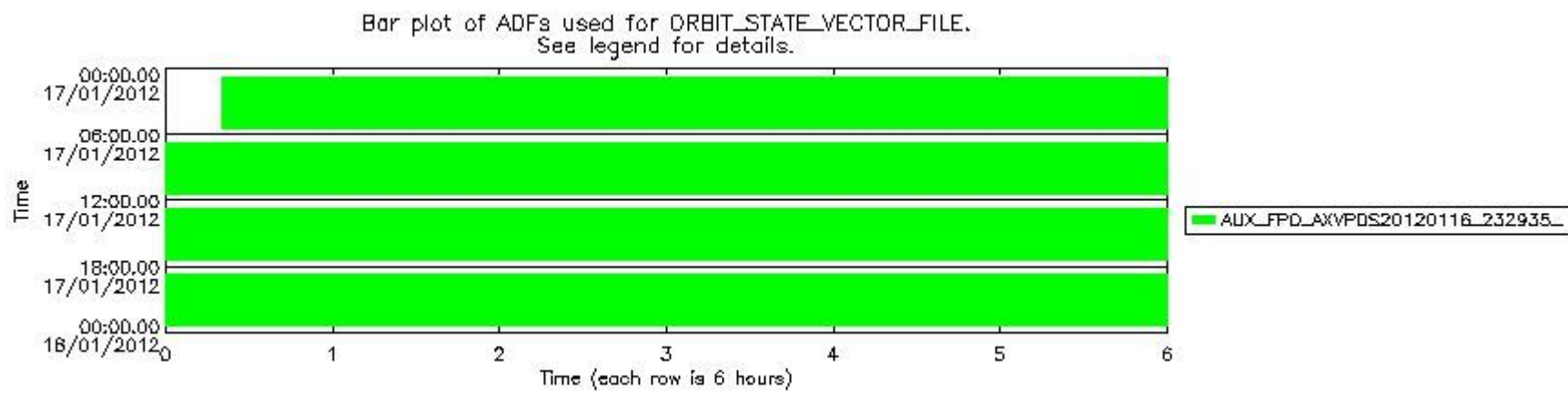
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120116_232935_20120116_193048_20120126_200414

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120117_002011_000058263110_00375_51682_5365.N1	0	1

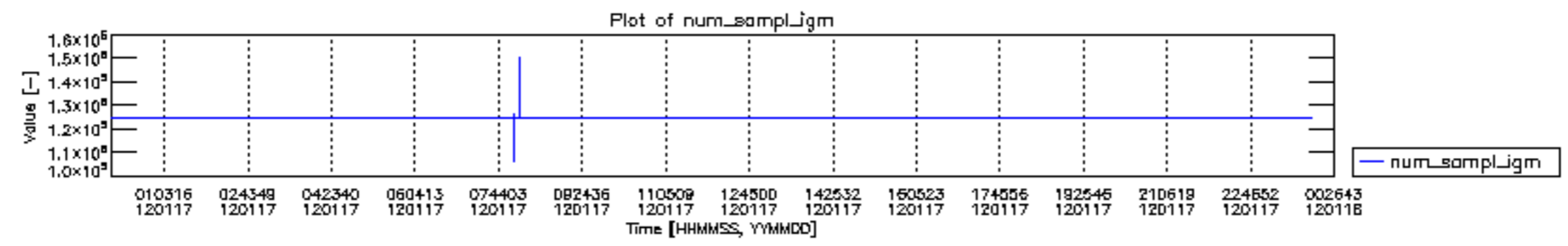
1	MIP_NL__0PNPDE20120117_015611_000044873110_00376_51683_5366.N1	0	1
2	MIP_NL__0PNPDE20120117_031020_000061713110_00377_51684_5367.N1	0	1
3	MIP_NL__0PNPDE20120117_045234_000060183110_00378_51685_5368.N1	0	1
4	MIP_NL__0PNPDK20120117_063216_000041263110_00379_51686_8288.N1	0	1
5	MIP_NL__0PNPDK20120117_073955_000061773110_00380_51687_8289.N1	0	1
6	MIP_NL__0PNPDK20120117_092117_000059393110_00381_51688_8290.N1	0	1
7	MIP_NL__0PNPDK20120117_105850_000060753110_00382_51689_8294.N1	0	1
8	MIP_NL__0PNPDK20120117_114328_000033973110_00382_51689_8292.N1	0	1
9	MIP_NL__0PNPDK20120117_123827_000060373110_00383_51690_8293.N1	0	1
10	MIP_NL__0PNPDK20120117_141755_000059063110_00384_51691_8295.N1	0	1
11	MIP_NL__0PNPDK20120117_155545_000058643110_00385_51692_8296.N1	0	1
12	MIP_NL__0PNPDK20120117_173228_000059813110_00386_51693_8297.N1	0	1
13	MIP_NL__0PNPDK20120117_191008_000059773110_00387_51694_8298.N1	0	1
14	MIP_NL__0PNPDE20120117_204743_000045563110_00388_51695_5369.N1	0	1
15	MIP_NL__0PNPDE20120117_220234_000061083110_00388_51695_5370.N1	0	1
16	MIP_NL__0PNPDE20120117_234316_000060103110_00389_51696_5371.N1	0	1

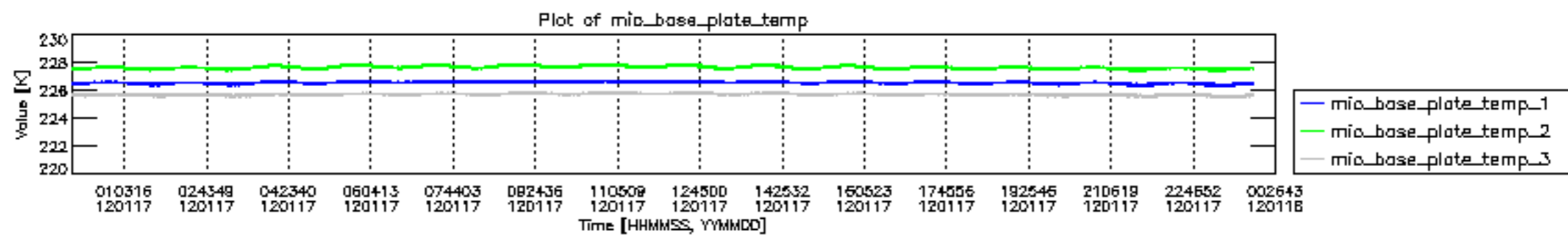


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120117\_12.PNG

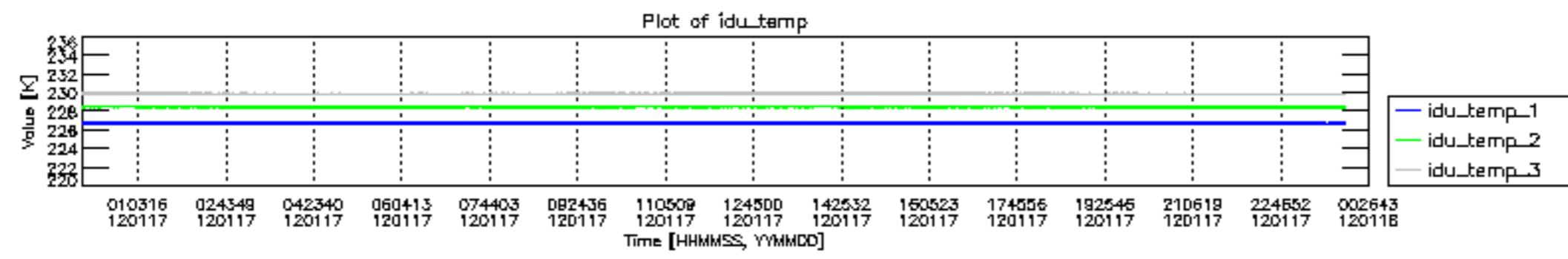


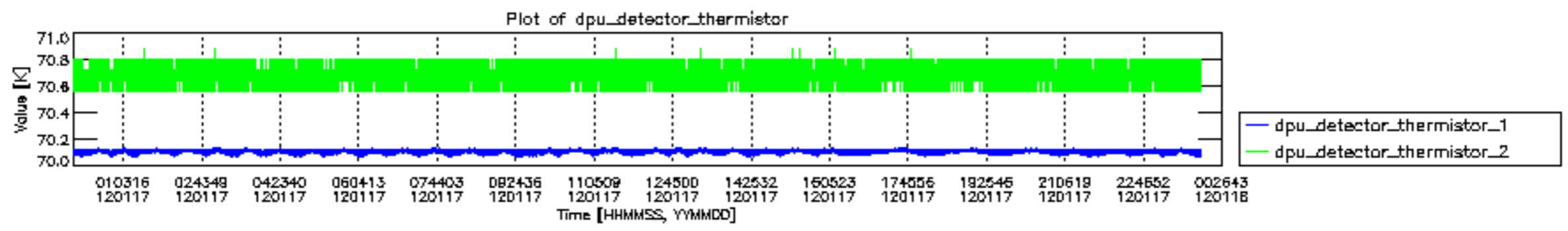
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120117\_13.PNG

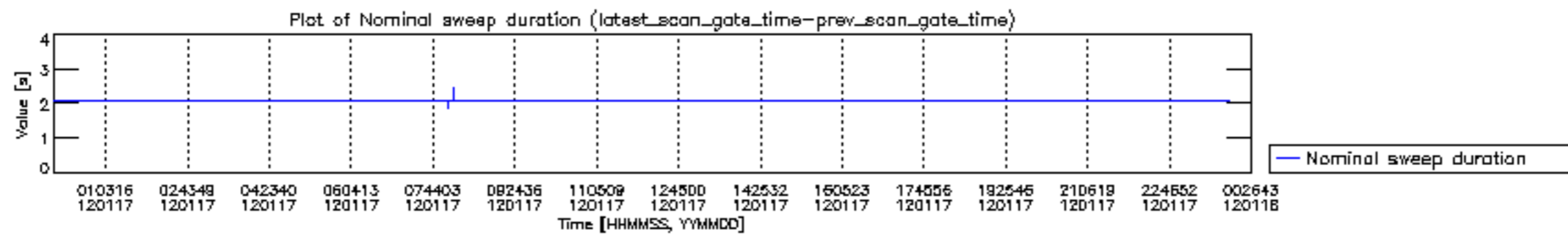


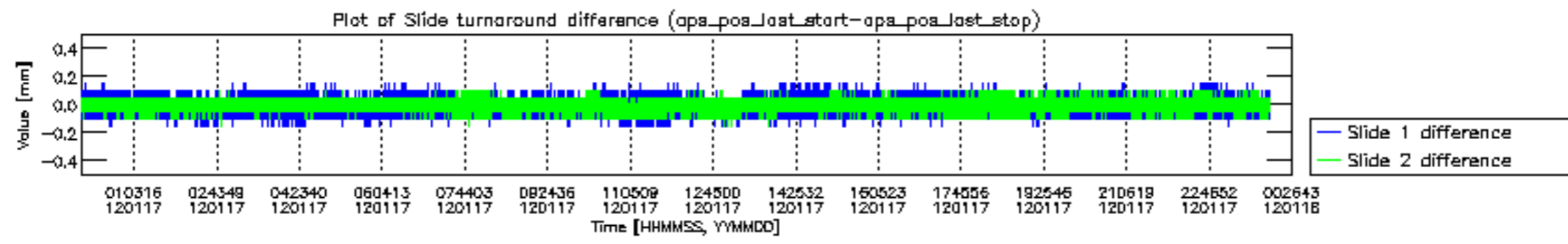


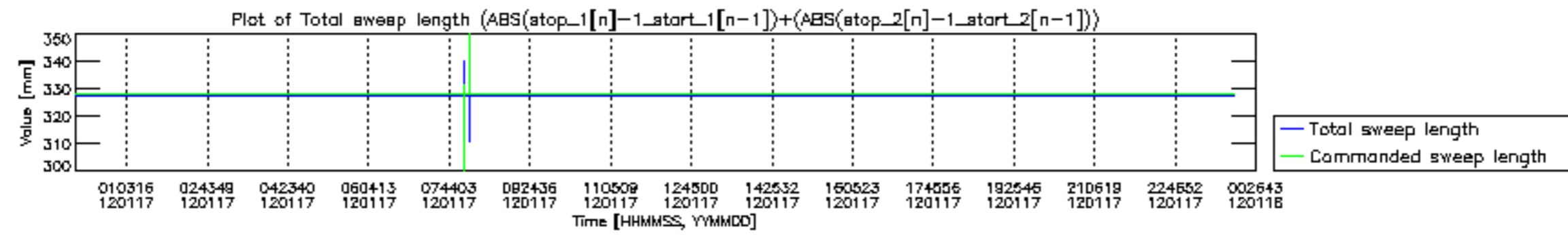


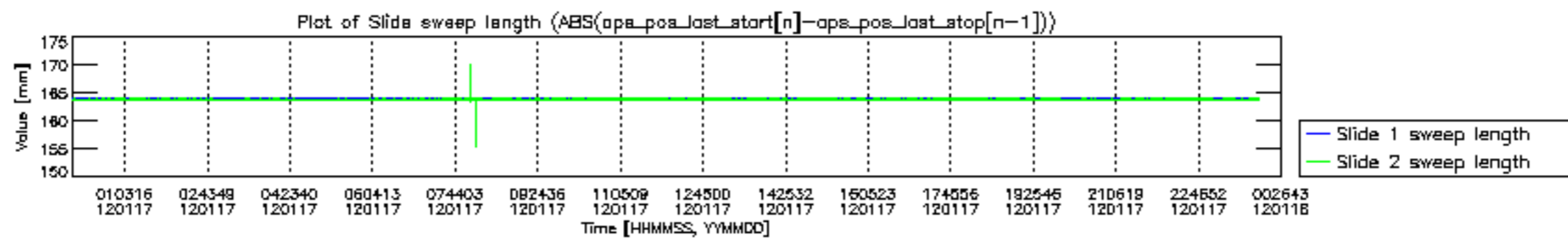


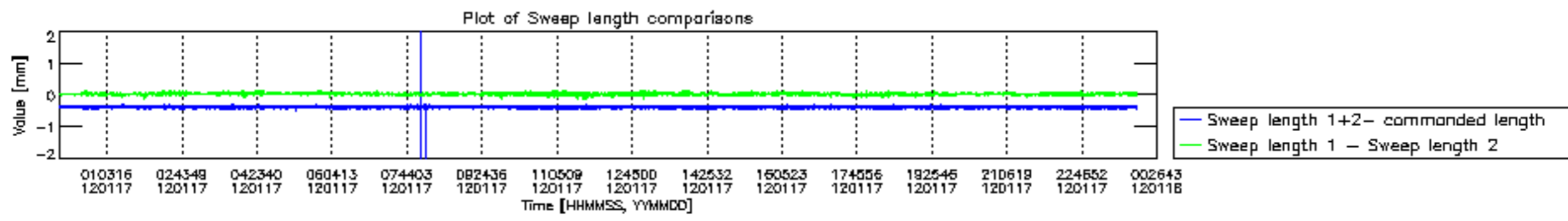


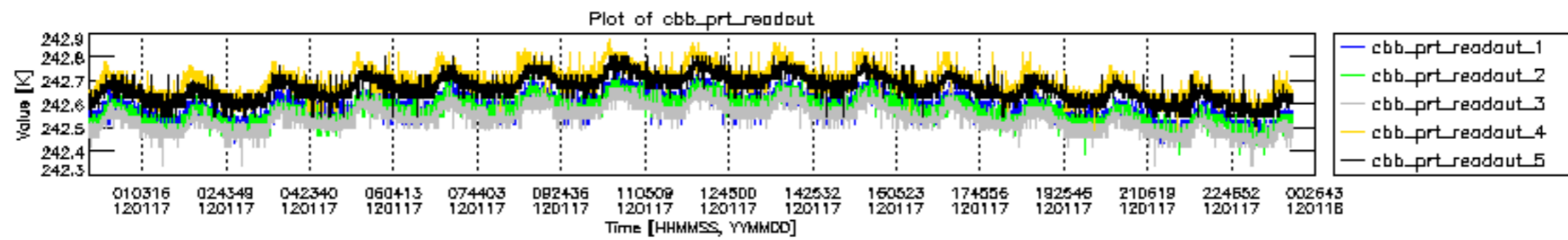




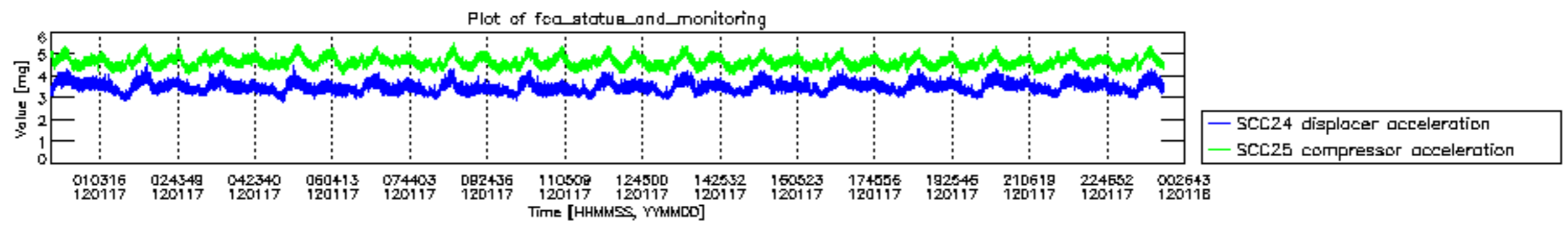












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

