

## 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	21FEB2012 16:05:49
Data source version	KSPT_L0/4504-N
Processing scope for products	16FEB2012 00:00:00 to 17FEB2012 00:00:00
Start time of first product within scope	16FEB2012 00:20:23
Stop time of last product within scope	17FEB2012 01:23:58
Total number of level 0 products	12
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.

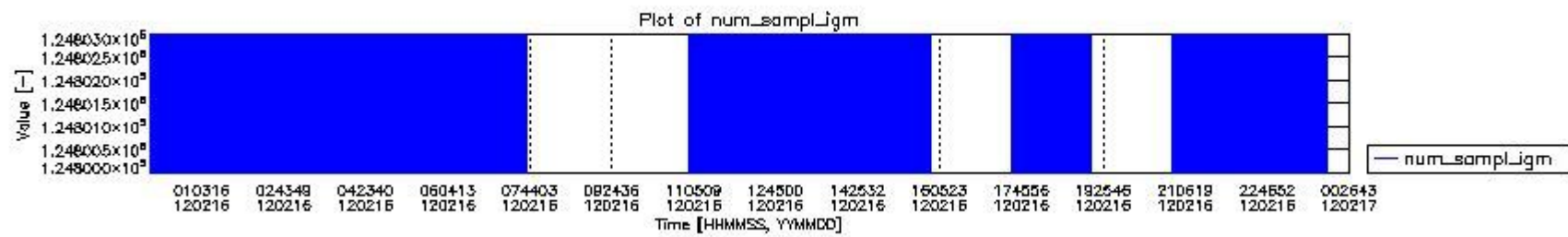
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__OPNPDE20120216_002023_000059223111_00375_52113_1042.N1	16FEB2012 00:20:23	16FEB2012 01:59:06	0	0	0	0	0
1	MIP_NL__OPNPDE20120216_015759_000044123111_00376_52114_1043.N1	16FEB2012 01:57:59	16FEB2012 03:11:31	0	0	0	0	0
2	MIP_NL__OPNPDE20120216_031057_000061653111_00377_52115_1044.N1	16FEB2012 03:10:57	16FEB2012 04:53:42	0	0	0	0	0
3	MIP_NL__OPNPDE20120216_045309_000060123111_00378_52116_1045.N1	16FEB2012 04:53:09	16FEB2012 06:33:21	0	0	0	0	0
4	MIP_NL__OPNPDK20120216_063247_000040973111_00379_52117_8537.N1	16FEB2012 06:32:47	16FEB2012 07:41:04	0	0	0	0	0
5	MIP_NL__OPNPDK20120216_105811_000060983111_00382_52120_8540.N1	16FEB2012 10:58:11	16FEB2012 12:39:49	0	0	0	0	0
6	MIP_NL__OPNPDK20120216_123811_000059753111_00383_52121_8541.N1	16FEB2012 12:38:11	16FEB2012 14:17:45	0	0	0	0	0
7	MIP_NL__OPNPDK20120216_141647_000058853111_00384_52122_8542.N1	16FEB2012 14:16:47	16FEB2012 15:54:52	0	0	0	0	0
8	MIP_NL__OPNPDK20120216_173300_000058893111_00386_52124_8545.N1	16FEB2012 17:33:00	16FEB2012 19:11:09	0	0	0	0	0
9	MIP_NL__OPNPDE20120216_204956_000043393111_00388_52126_1046.N1	16FEB2012 20:49:56	16FEB2012 22:02:15	0	0	0	0	0
10	MIP_NL__OPNPDE20120216_220108_000061793111_00388_52126_1047.N1	16FEB2012 22:01:08	16FEB2012 23:44:07	0	0	0	0	0
11	MIP_NL__OPNPDE20120216_234300_000060583111_00389_52127_1048.N1	16FEB2012 23:43:00	17FEB2012 01:23:58	0	0	0	0	0

## 0.2 Instrument Operational Performance Parameters

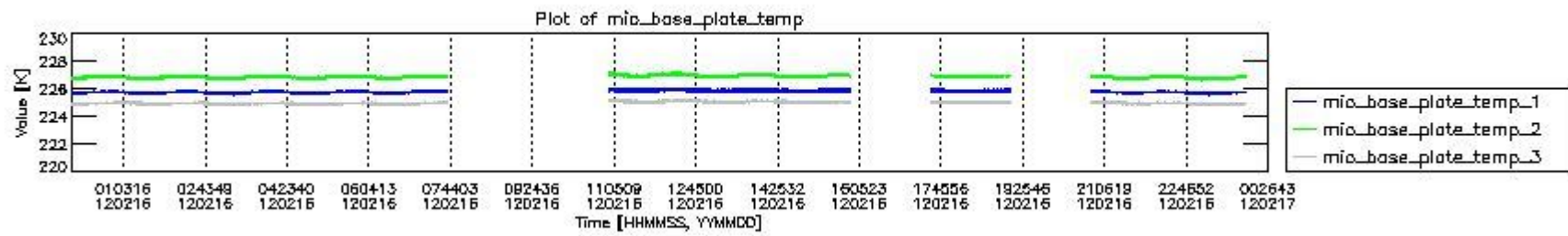
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP\_NL\_\_0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

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

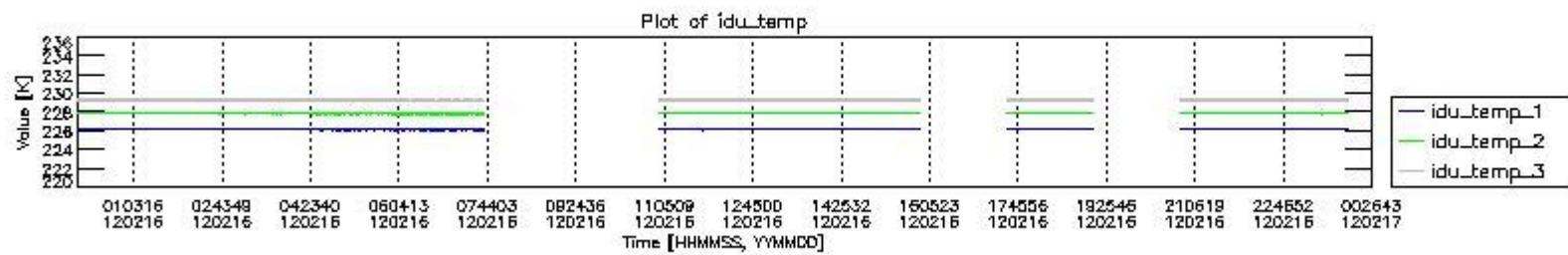
Number of igm samples	Count [#]	Count [%]
124800	28009	92.837256
124803	2161	7.1627444



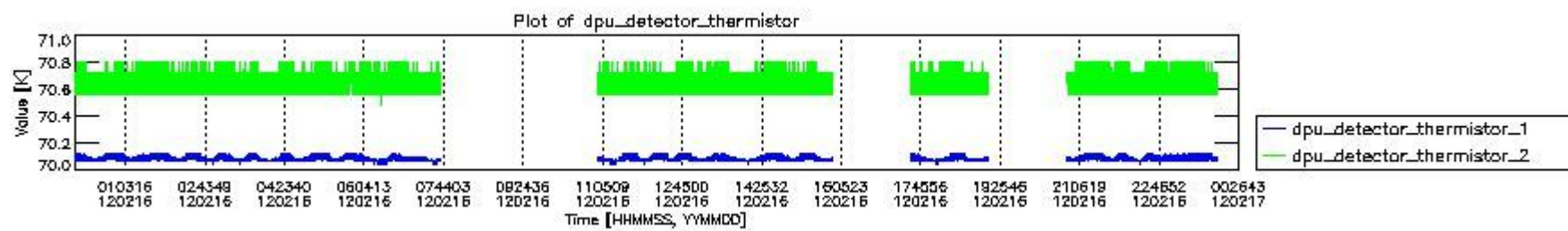
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120216\_0.PNG



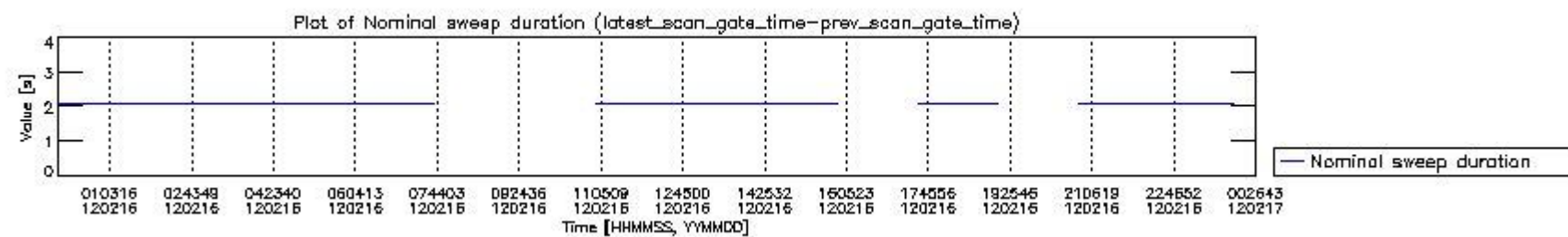
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120216\_1.PNG



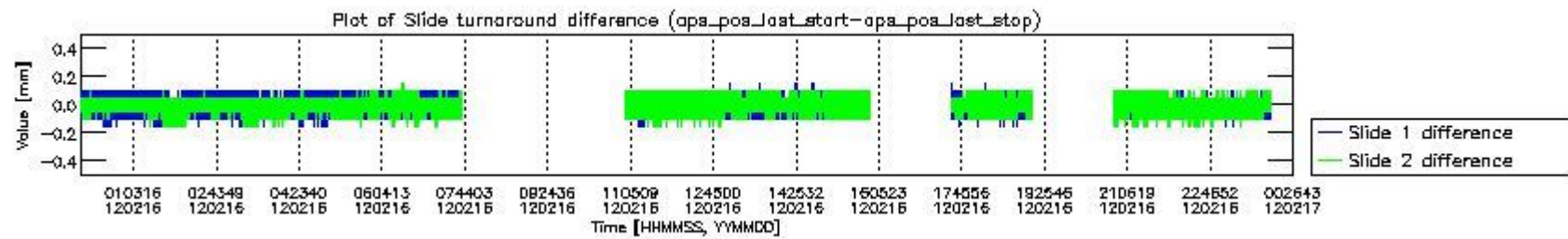
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120216\_2.PNG



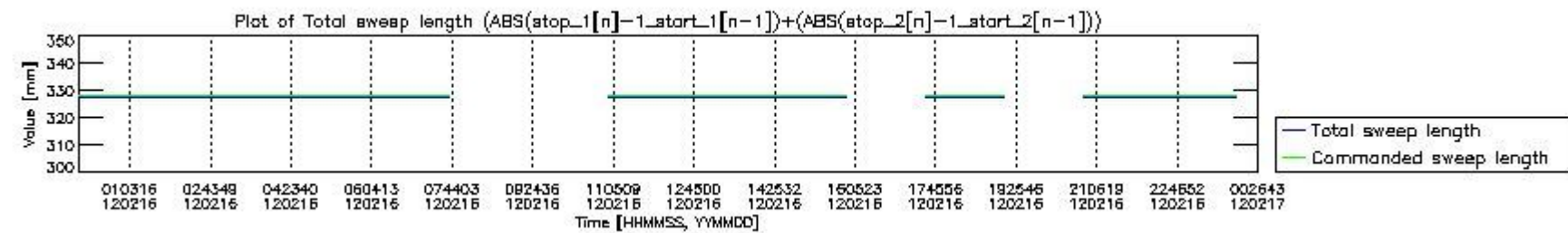
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120216\_3.PNG



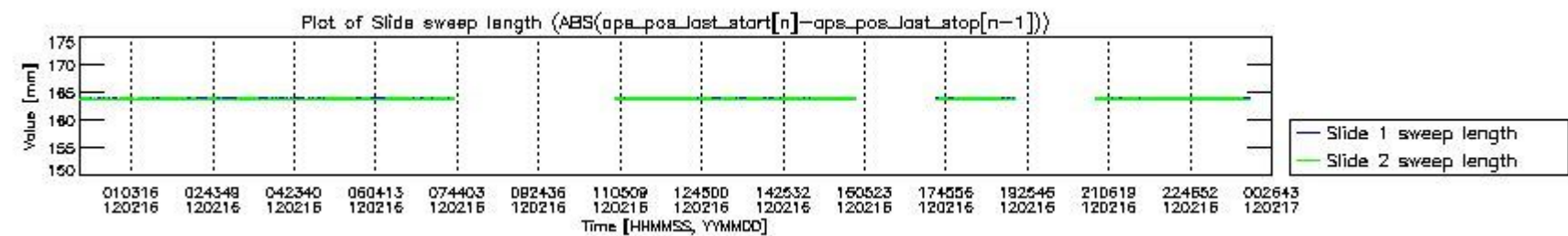
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120216\_4.PNG



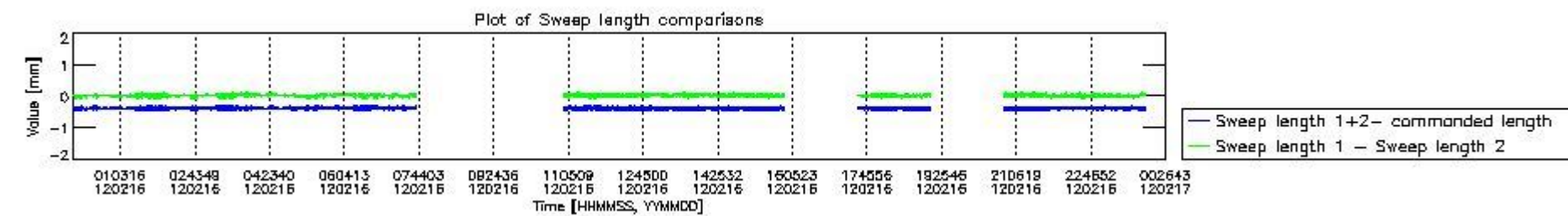
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120216\_5.PNG



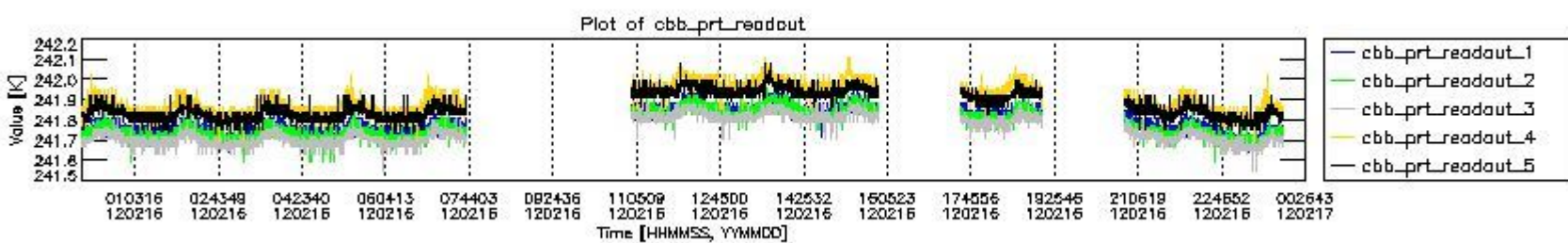
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120216\_6.PNG



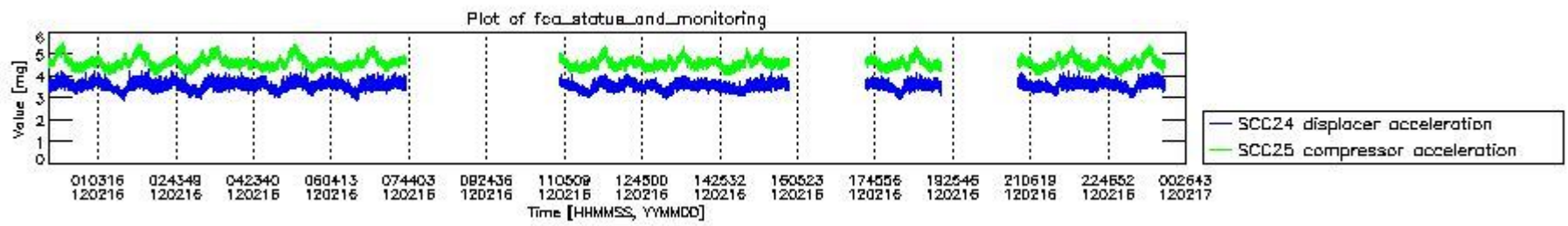
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120216\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120216\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120216\_9.PNG

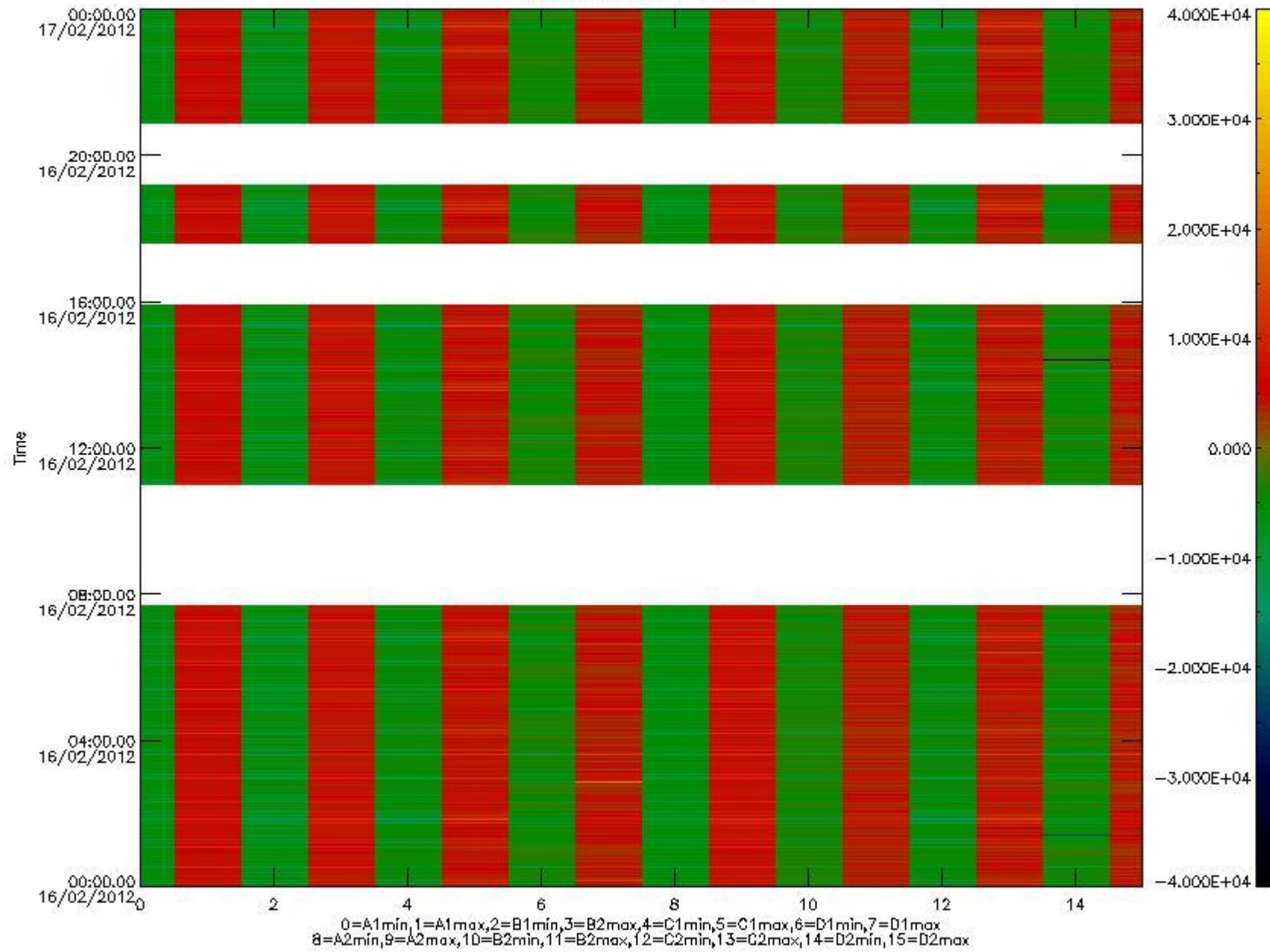


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120216\_10.PNG

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

Channel	Min	Max	ADC
A1	-16568	17210	16bit
B1	-16422	14247	16bit
C1	-24777	15431	16bit
D1	-29826	32767	16bit
A2	-14229	17114	16bit
B2	-12569	12625	16bit
C2	-16223	18863	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\_20120216\_11.PNG

### 0.3 ADF monitoring

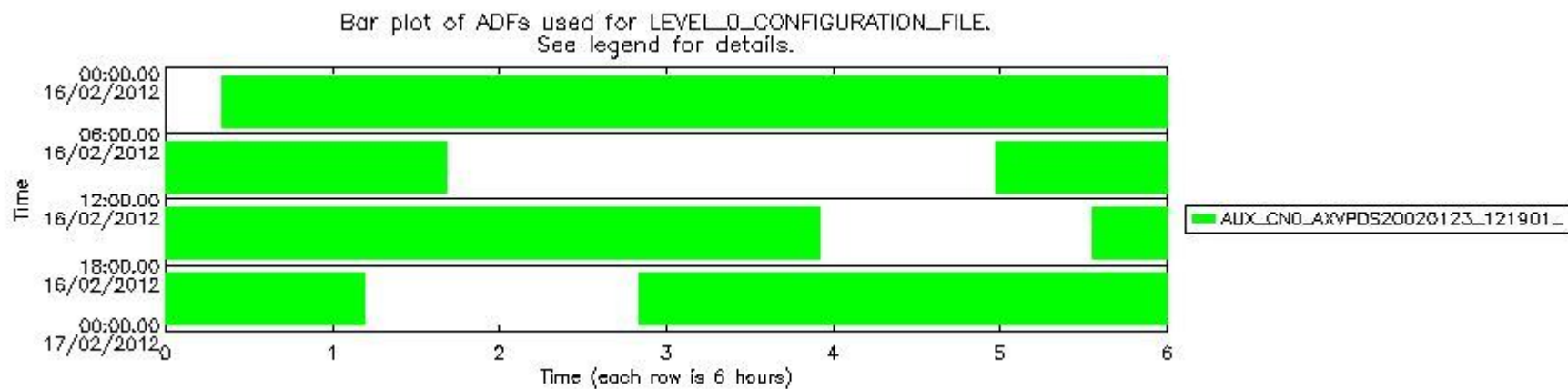
The use of ADFs is shown in two ways:

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.

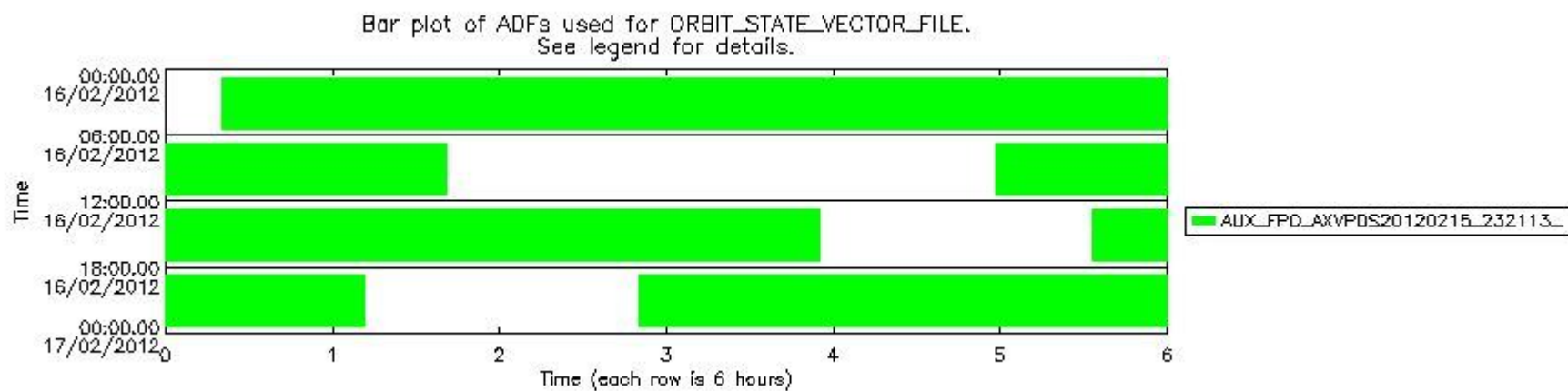
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120215_232113_20120215_193050_20120225_200414

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120216_002023_000059223111_00375_52113_1042.N1	0	1

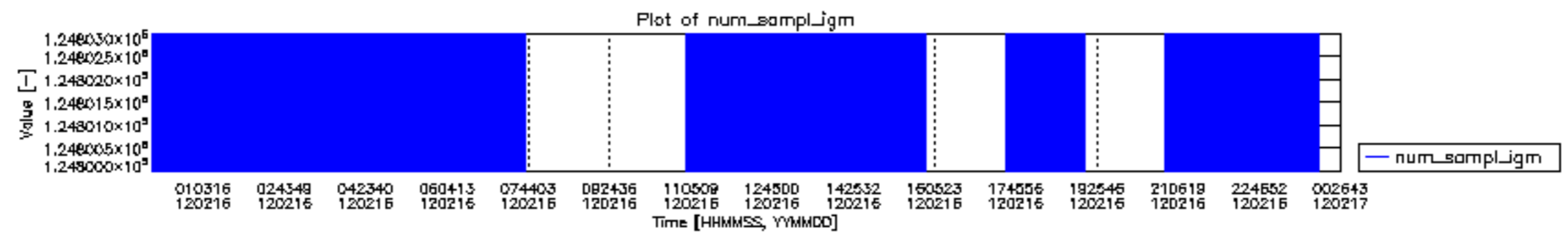
1	MIP_NL__0PNPDE20120216_015759_000044123111_00376_52114_1043.N1	0	1
2	MIP_NL__0PNPDE20120216_031057_000061653111_00377_52115_1044.N1	0	1
3	MIP_NL__0PNPDE20120216_045309_000060123111_00378_52116_1045.N1	0	1
4	MIP_NL__0PNPDK20120216_063247_000040973111_00379_52117_8537.N1	0	1
5	MIP_NL__0PNPDK20120216_105811_000060983111_00382_52120_8540.N1	0	1
6	MIP_NL__0PNPDK20120216_123811_000059753111_00383_52121_8541.N1	0	1
7	MIP_NL__0PNPDK20120216_141647_000058853111_00384_52122_8542.N1	0	1
8	MIP_NL__0PNPDK20120216_173300_000058893111_00386_52124_8545.N1	0	1
9	MIP_NL__0PNPDE20120216_204956_000043393111_00388_52126_1046.N1	0	1
10	MIP_NL__0PNPDE20120216_220108_000061793111_00388_52126_1047.N1	0	1
11	MIP_NL__0PNPDE20120216_234300_000060583111_00389_52127_1048.N1	0	1

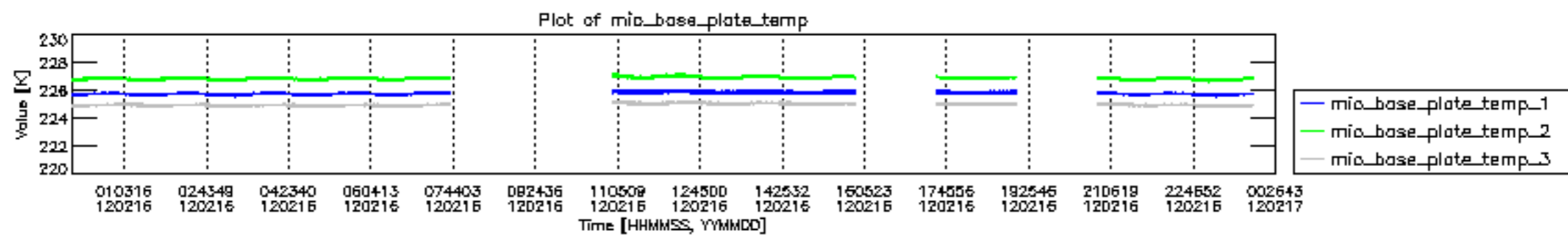


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120216\_12.PNG

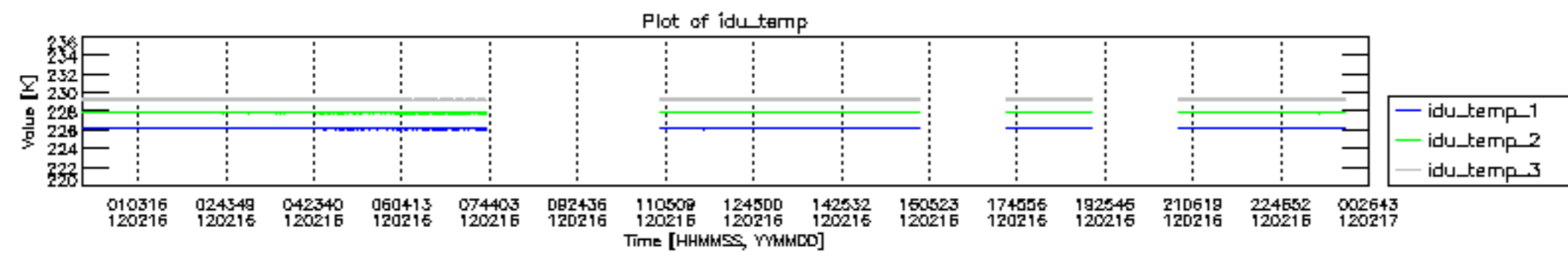


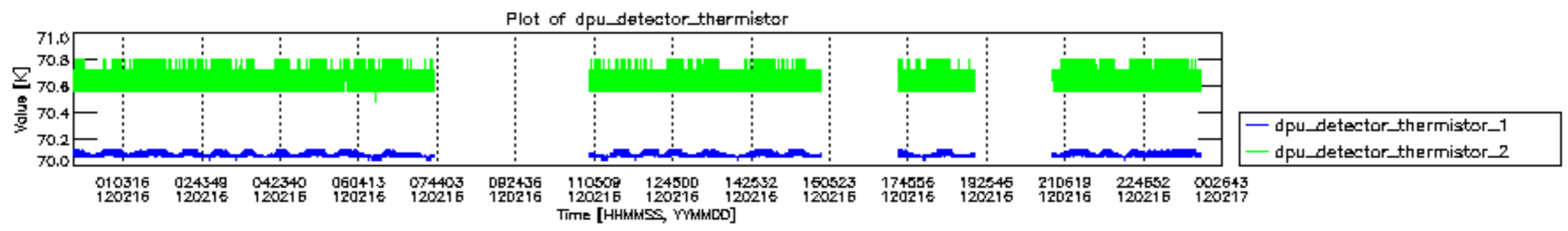
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120216\_13.PNG

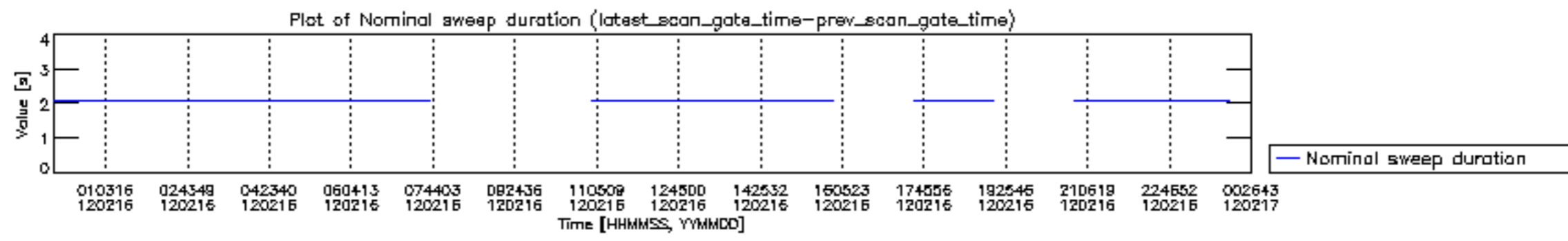


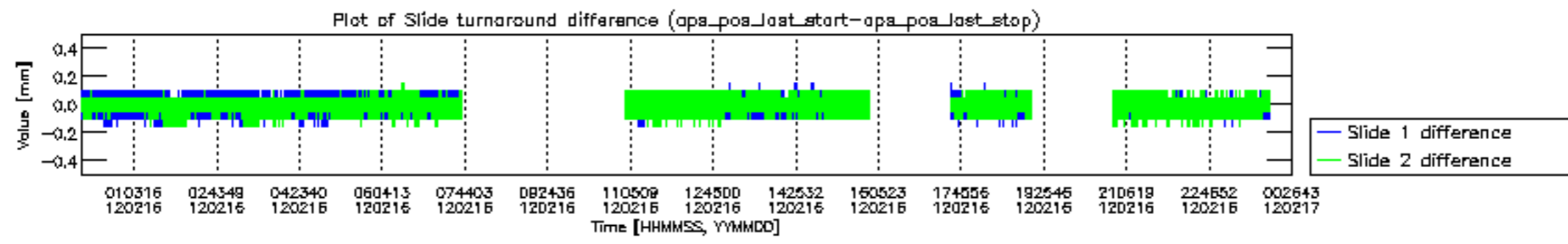


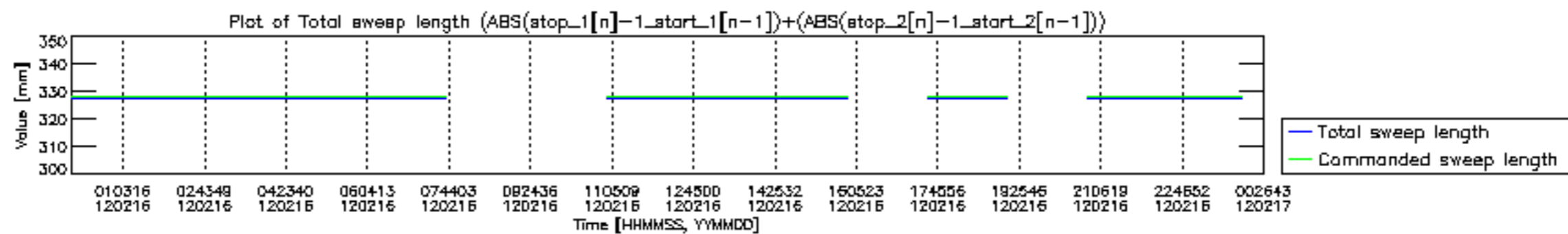


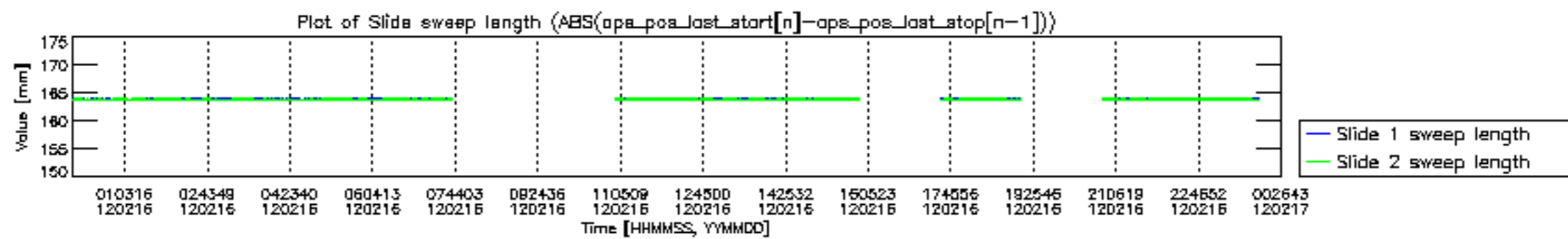


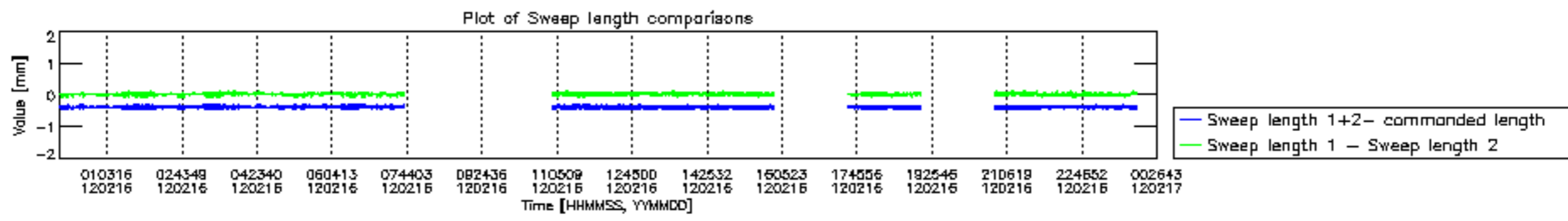


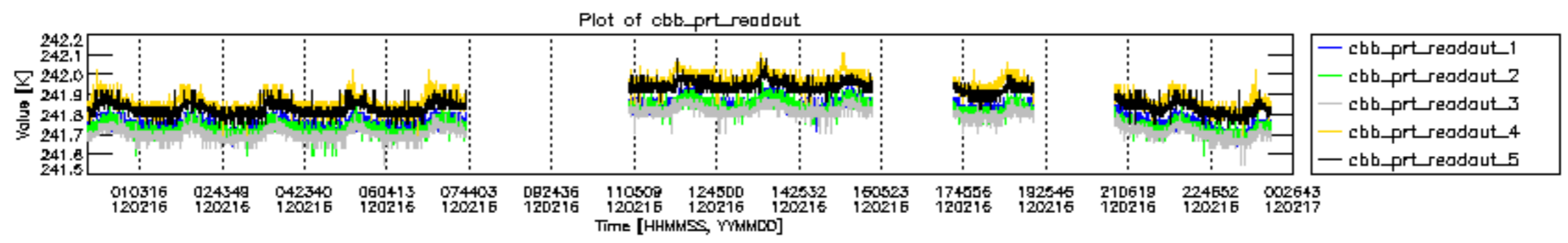




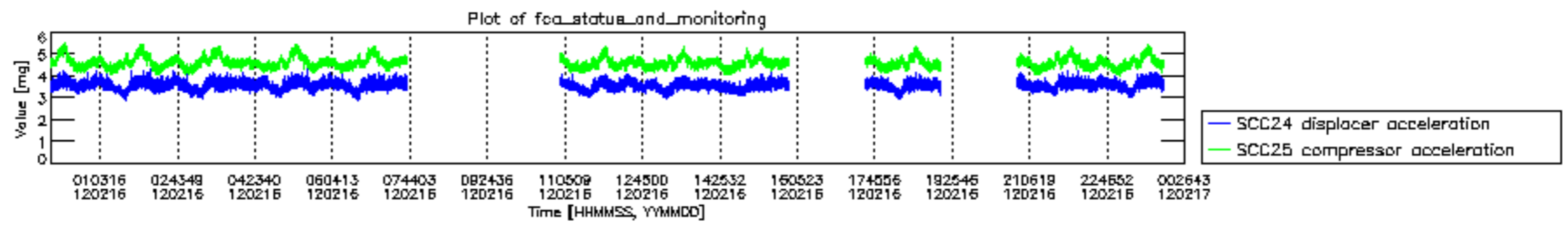












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

