

## 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	18FEB2012 05:24:14
Data source version	KSPT_L0/4504-N
Processing scope for products	13FEB2012 00:00:00 to 14FEB2012 00:00:00
Start time of first product within scope	13FEB2012 00:30:06
Stop time of last product within scope	14FEB2012 01:32:18
Total number of level 0 products	17
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__0PNPDE20120213_003006_000057843111_00332_52070_1016.N1	13FEB2012 00:30:06	13FEB2012 02:06:31	0	0	0	0	0
1	MIP_NL__0PNPDE20120213_004923_000046273111_00333_52071_1021.N1	13FEB2012 00:49:23	13FEB2012 02:06:31	0	0	0	0	0
2	MIP_NL__0PNPDE20120213_020532_000045373111_00333_52071_1017.N1	13FEB2012 02:05:32	13FEB2012 03:21:09	0	0	0	0	0
3	MIP_NL__0PNPDE20120213_032034_000061423111_00334_52072_1018.N1	13FEB2012 03:20:34	13FEB2012 05:02:56	0	0	0	0	0
4	MIP_NL__0PNPDE20120213_050222_000060923111_00335_52073_1022.N1	13FEB2012 05:02:22	13FEB2012 06:43:54	0	0	0	0	0
5	MIP_NL__0PNPDK20120213_064319_000040493111_00336_52074_8511.N1	13FEB2012 06:43:19	13FEB2012 07:50:47	0	0	0	0	0
6	MIP_NL__0PNPDK20120213_074949_000060233111_00337_52075_8512.N1	13FEB2012 07:49:49	13FEB2012 09:30:12	0	0	0	0	0
7	MIP_NL__0PNPDK20120213_092828_000061983111_00338_52076_8513.N1	13FEB2012 09:28:28	13FEB2012 11:11:46	0	0	0	0	0
8	MIP_NL__0PNPDK20120213_111008_000060293111_00339_52077_8514.N1	13FEB2012 11:10:08	13FEB2012 12:50:36	0	0	0	0	0
9	MIP_NL__0PNPDK20120213_124854_000058533111_00340_52078_8515.N1	13FEB2012 12:48:54	13FEB2012 14:26:28	0	0	0	0	0
10	MIP_NL__0PNPDK20120213_142443_000061153111_00341_52079_8516.N1	13FEB2012 14:24:43	13FEB2012 16:06:38	0	0	0	0	0
11	MIP_NL__0PNPDK20120213_160453_000058703111_00342_52080_8517.N1	13FEB2012 16:04:53	13FEB2012 17:42:43	0	0	0	0	0
12	MIP_NL__0PNPDK20120213_174202_000059393111_00343_52081_8518.N1	13FEB2012 17:42:02	13FEB2012 19:21:01	0	0	0	0	0
13	MIP_NL__0PNPDK20120213_191914_000060963111_00344_52082_8519.N1	13FEB2012 19:19:14	13FEB2012 21:00:50	0	0	0	0	0
14	MIP_NL__0PNPDE20120213_205901_000044663111_00345_52083_1023.N1	13FEB2012 20:59:01	13FEB2012 22:13:28	0	0	0	0	0
15	MIP_NL__0PNPDE20120213_221221_000060753111_00345_52083_1024.N1	13FEB2012 22:12:21	13FEB2012 23:53:36	0	0	0	0	0
16	MIP_NL__0PNPDE20120213_235229_000059893111_00346_52084_1025.N1	13FEB2012 23:52:29	14FEB2012 01:32:18	0	0	0	0	0

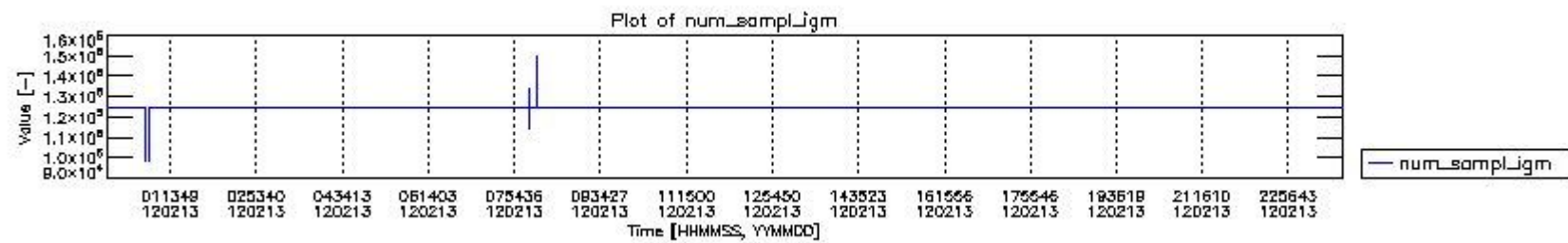
## 0.2 Instrument Operational Performance Parameters

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.

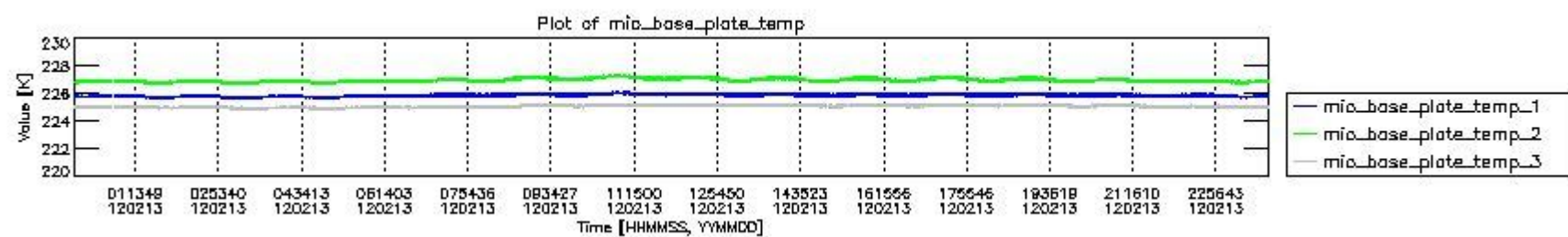
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98206	1	0.0024025178

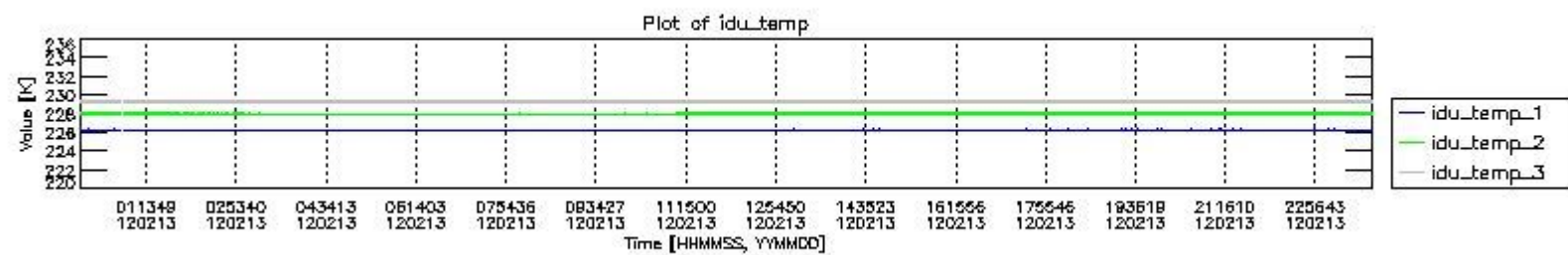
98773	1	0.0024025178
101437	1	0.0024025178
113926	1	0.0024025178
121569	1	0.0024025178
123184	1	0.0024025178
123250	1	0.0024025178
124025	1	0.0024025178
124800	38825	93.277755
124803	2786	6.6934147
127382	1	0.0024025178
134058	1	0.0024025178
147514	1	0.0024025178
150096	1	0.0024025178



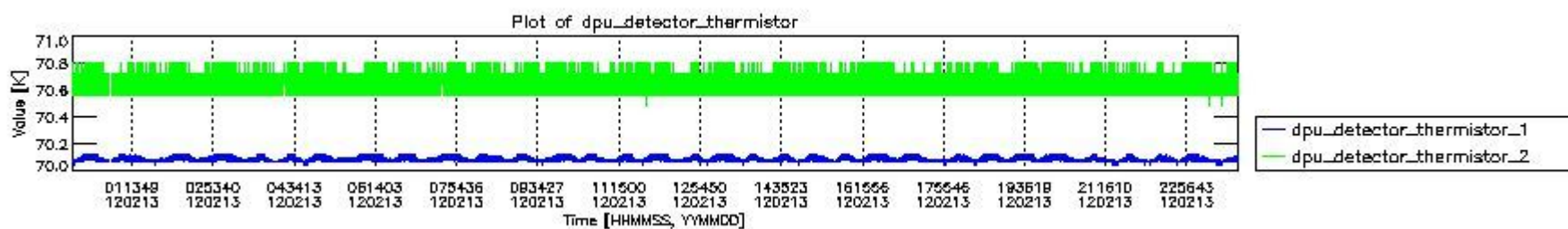
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120213\_0.PNG



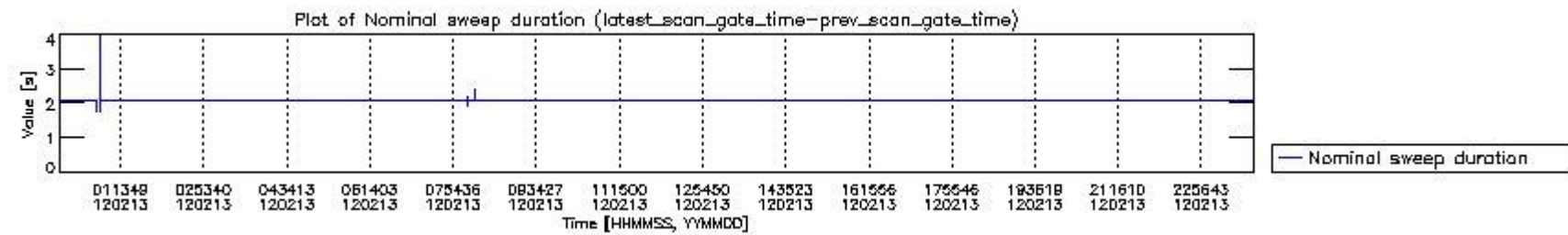
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120213\_1.PNG



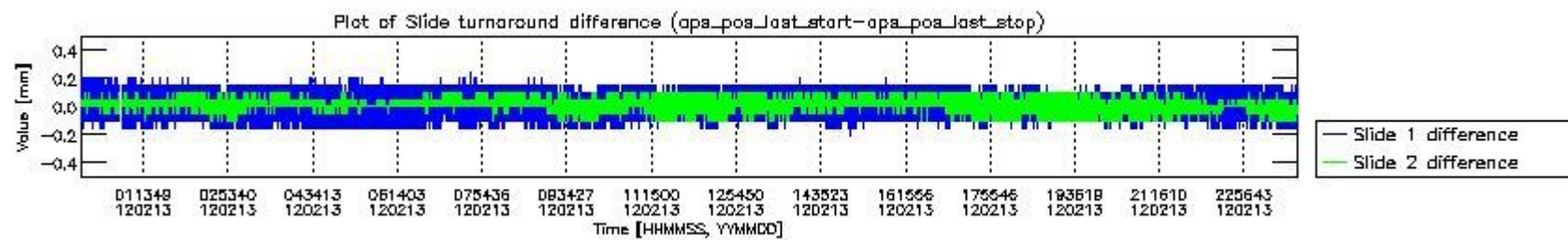
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120213\_2.PNG



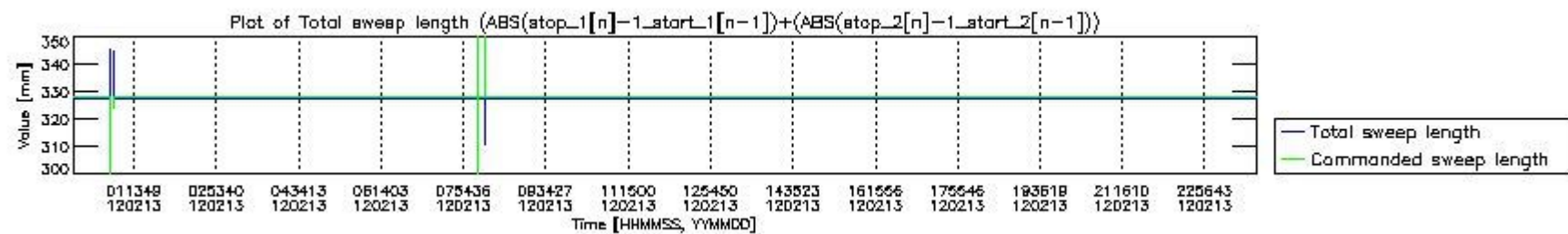
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120213\_3.PNG



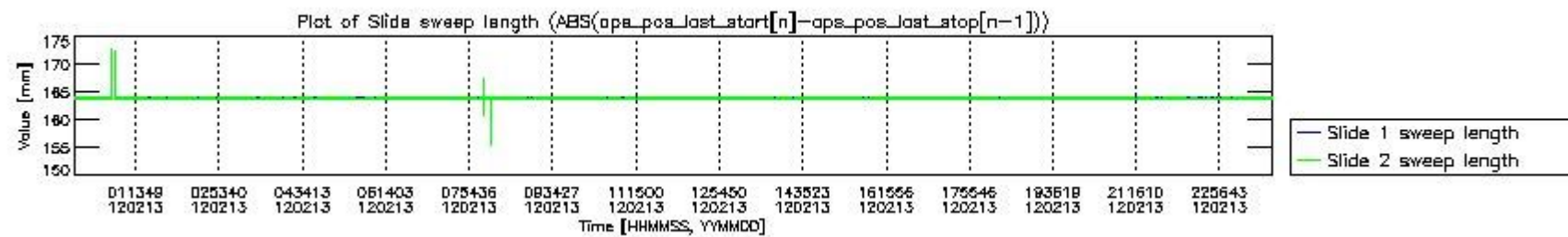
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120213\_4.PNG



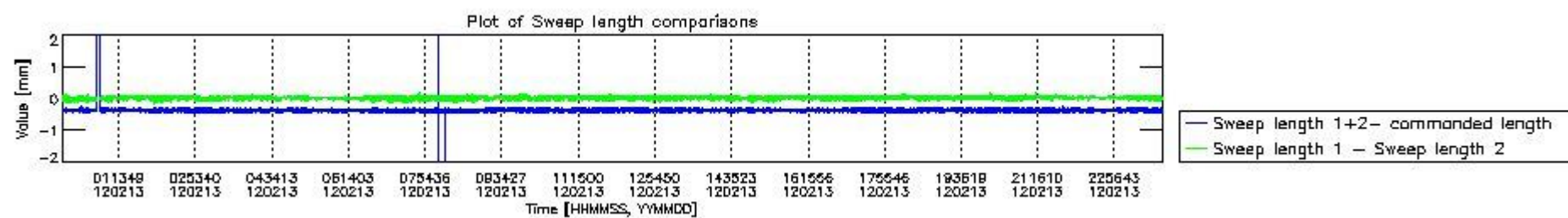
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120213\_5.PNG



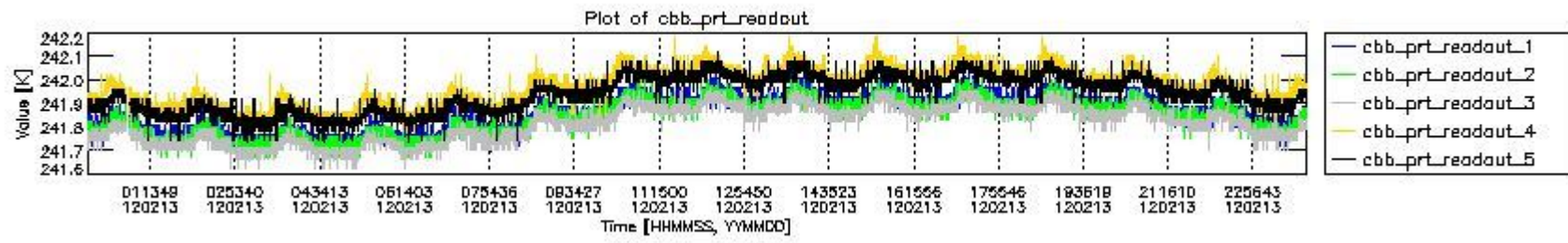
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120213\_6.PNG



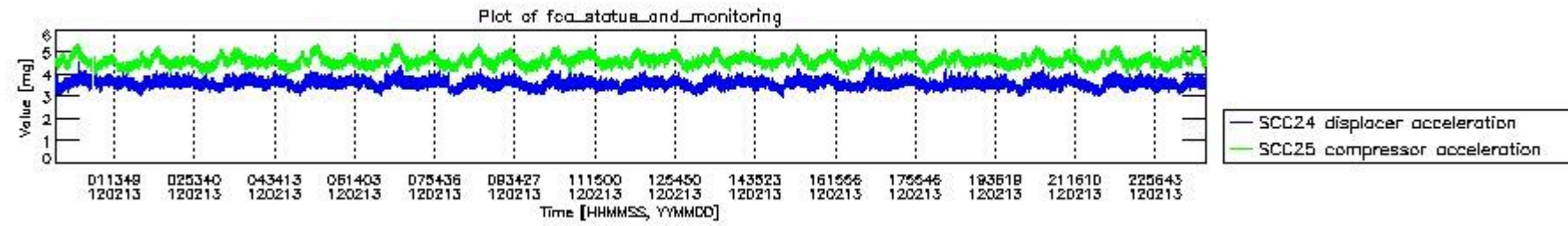
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120213\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120213\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120213\_9.PNG

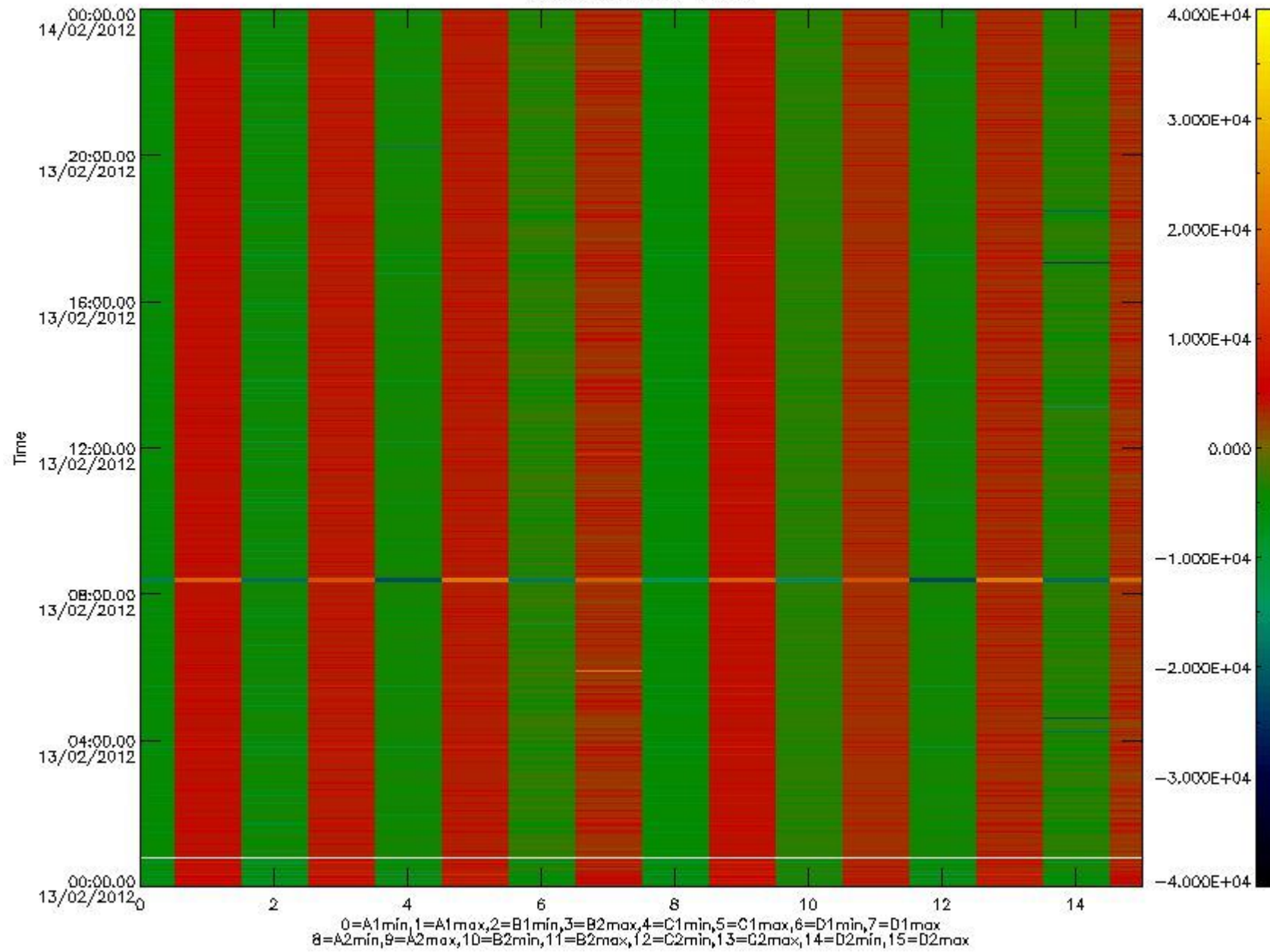


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120213\_10.PNG

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

Channel	Min	Max	ADC
A1	-17145	18041	16bit
B1	-18793	16335	16bit
C1	-23515	21917	16bit
D1	-18127	31243	16bit
A2	-14968	18244	16bit
B2	-16491	16309	16bit
C2	-23063	24609	16bit
D2	-32768	20286	16bit

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



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120213\_11.PNG

### 0.3 ADF monitoring

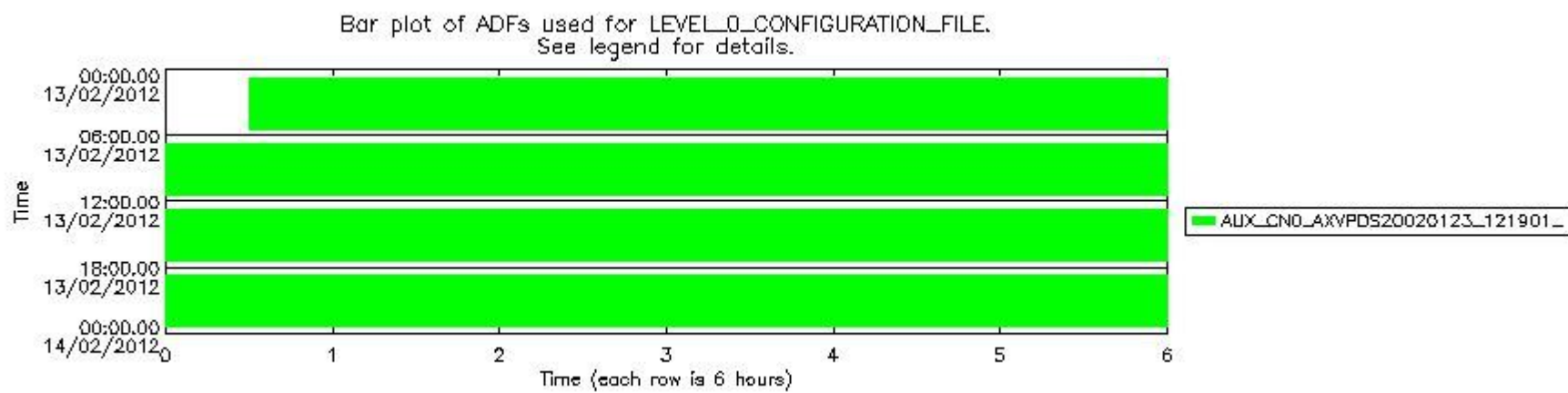
The use of ADFs is shown in two ways:

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.

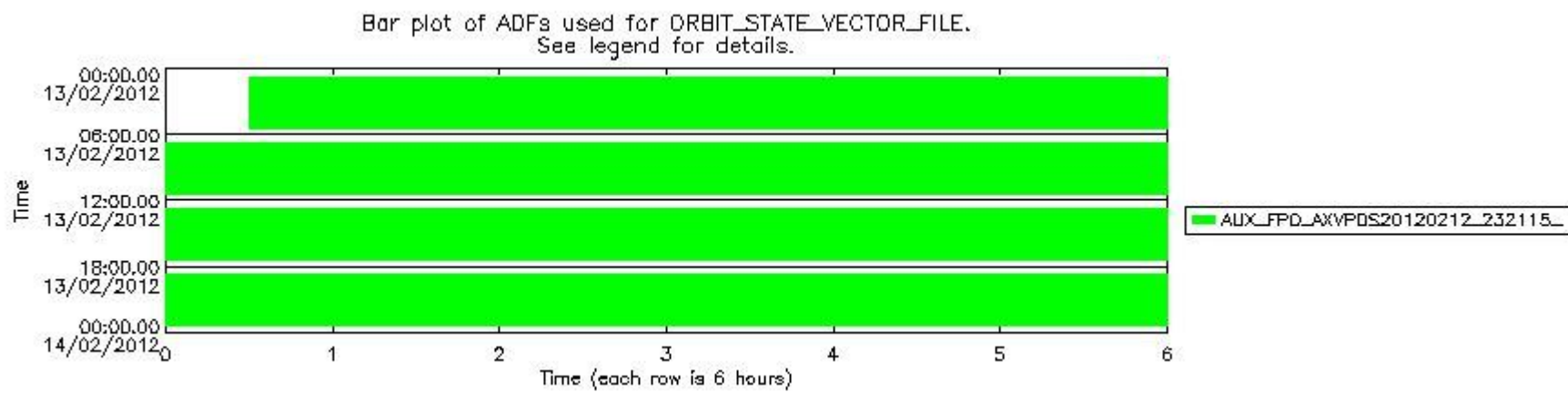
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120212_232115_20120212_194051_20120222_201416

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120213_003006_000057843111_00332_52070_1016.N1	0	1

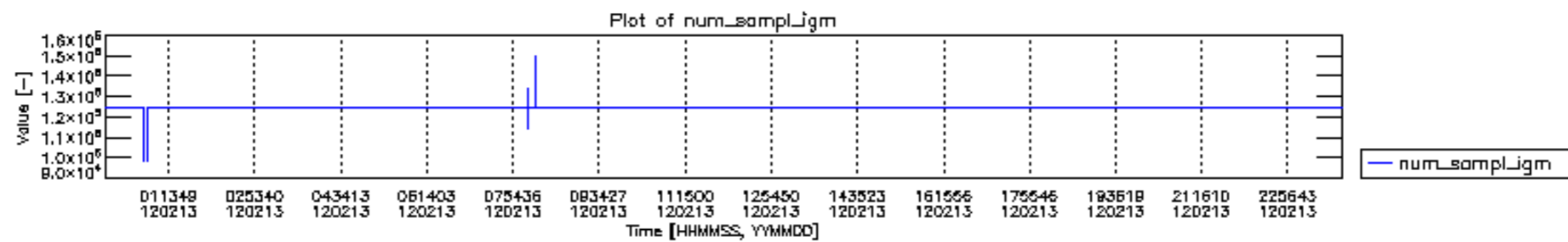
1	MIP_NL__0PNPDE20120213_004923_000046273111_00333_52071_1021.N1	0	1
2	MIP_NL__0PNPDE20120213_020532_000045373111_00333_52071_1017.N1	0	1
3	MIP_NL__0PNPDE20120213_032034_000061423111_00334_52072_1018.N1	0	1
4	MIP_NL__0PNPDE20120213_050222_000060923111_00335_52073_1022.N1	0	1
5	MIP_NL__0PNPDK20120213_064319_000040493111_00336_52074_8511.N1	0	1
6	MIP_NL__0PNPDK20120213_074949_000060233111_00337_52075_8512.N1	0	1
7	MIP_NL__0PNPDK20120213_092828_000061983111_00338_52076_8513.N1	0	1
8	MIP_NL__0PNPDK20120213_111008_000060293111_00339_52077_8514.N1	0	1
9	MIP_NL__0PNPDK20120213_124854_000058533111_00340_52078_8515.N1	0	1
10	MIP_NL__0PNPDK20120213_142443_000061153111_00341_52079_8516.N1	0	1
11	MIP_NL__0PNPDK20120213_160453_000058703111_00342_52080_8517.N1	0	1
12	MIP_NL__0PNPDK20120213_174202_000059393111_00343_52081_8518.N1	0	1
13	MIP_NL__0PNPDK20120213_191914_000060963111_00344_52082_8519.N1	0	1
14	MIP_NL__0PNPDE20120213_205901_000044663111_00345_52083_1023.N1	0	1
15	MIP_NL__0PNPDE20120213_221221_000060753111_00345_52083_1024.N1	0	1
16	MIP_NL__0PNPDE20120213_235229_000059893111_00346_52084_1025.N1	0	1

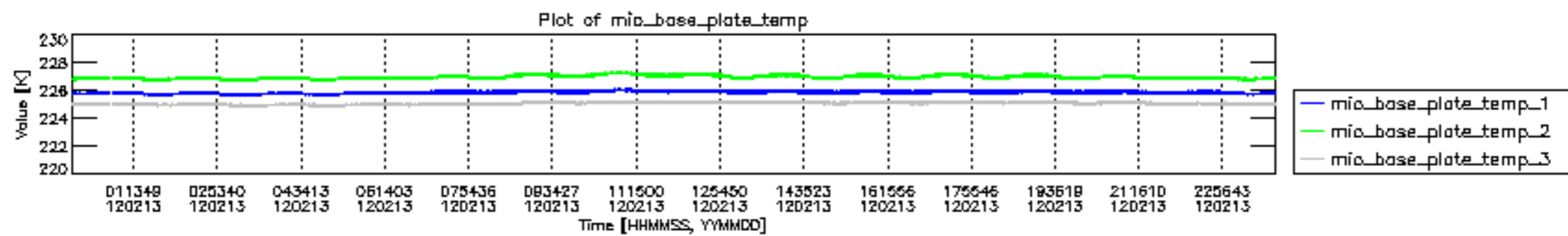


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120213\_12.PNG

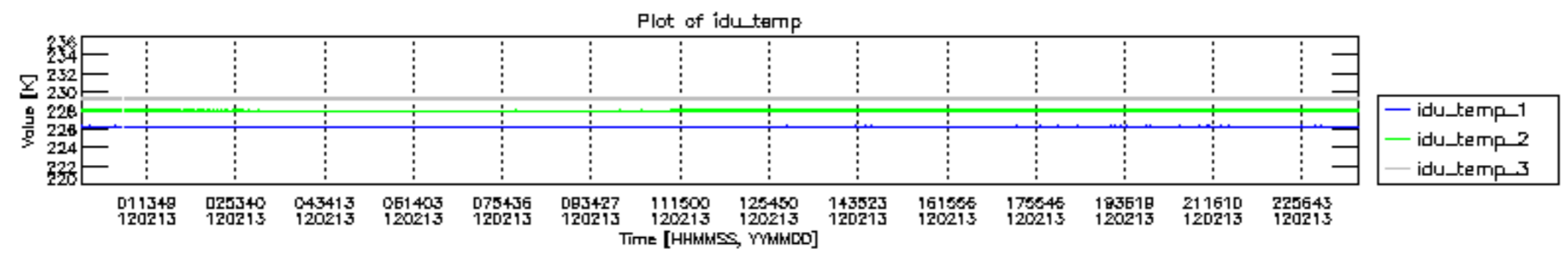


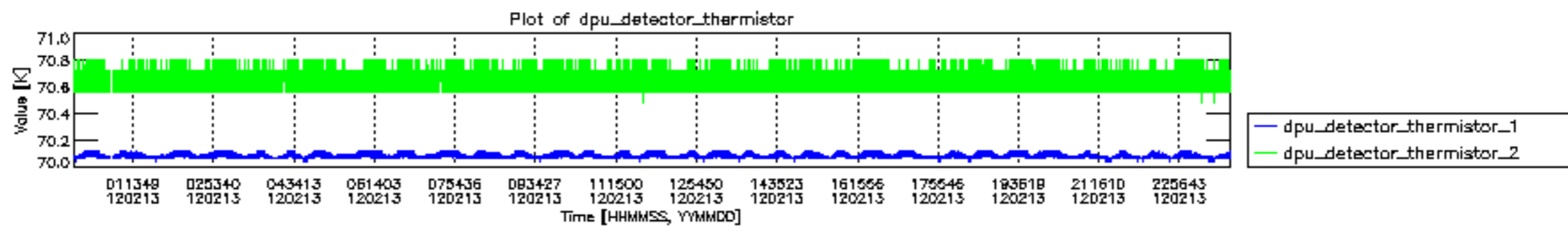
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120213\_13.PNG

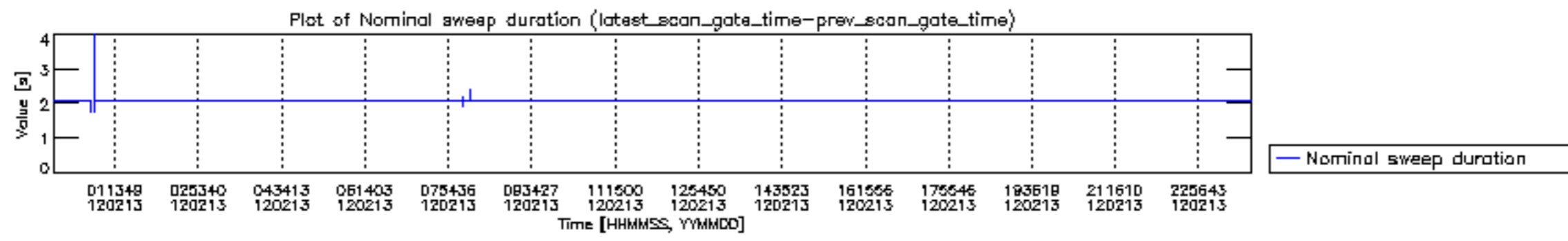


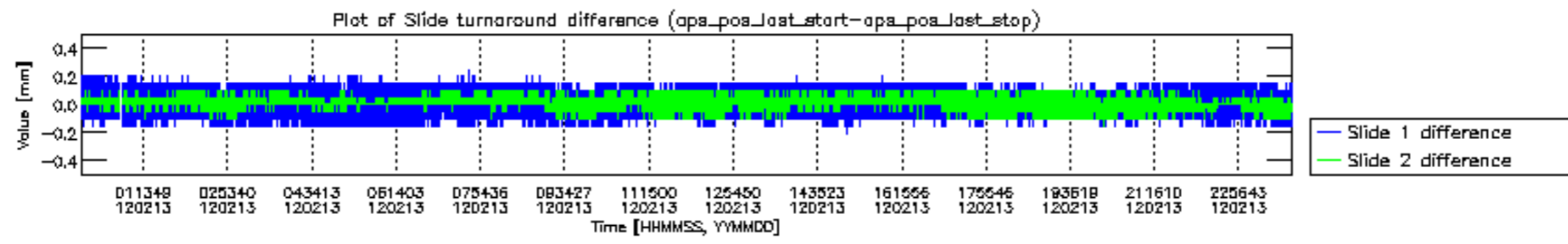


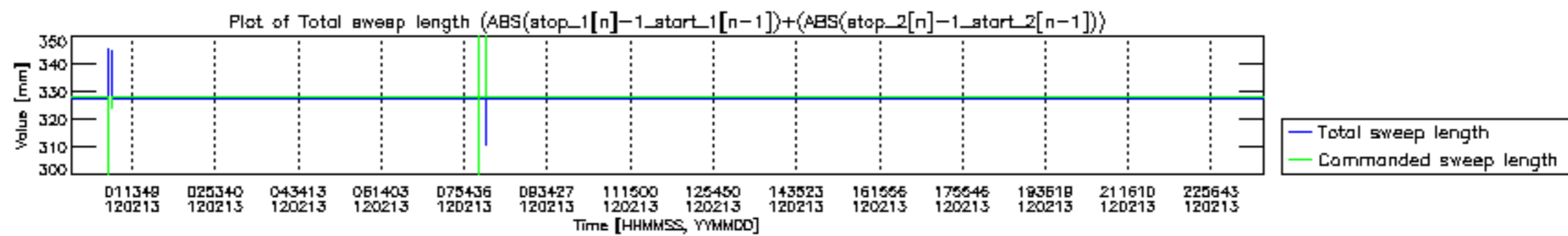


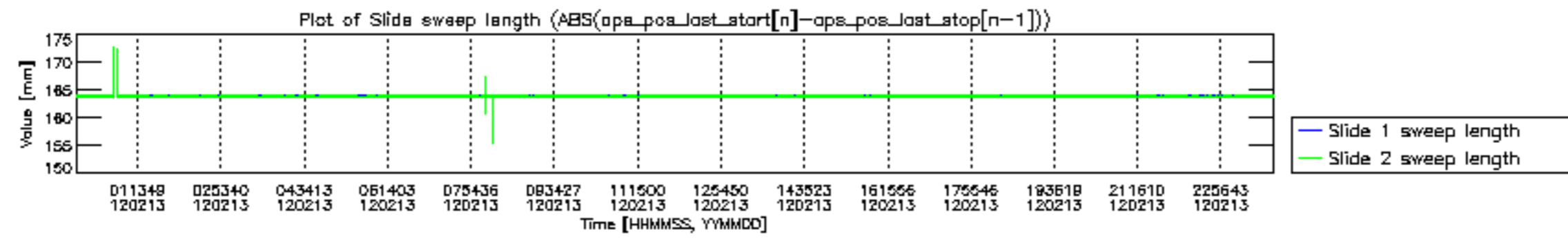


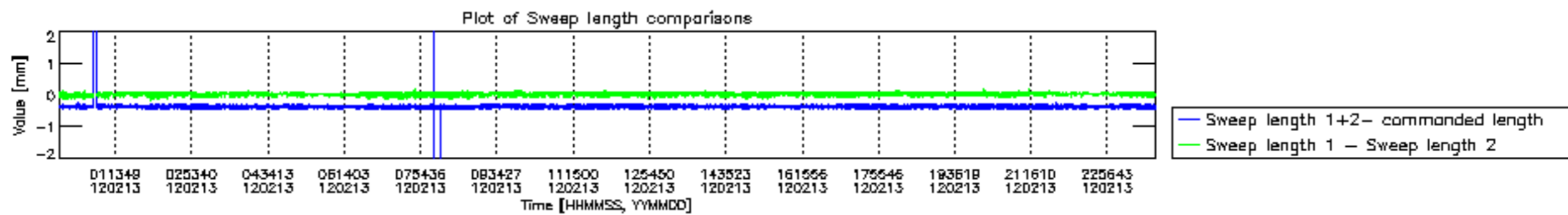


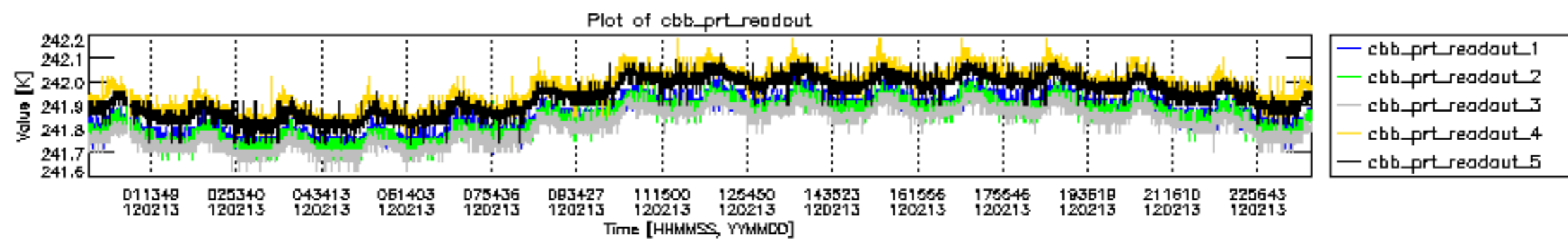




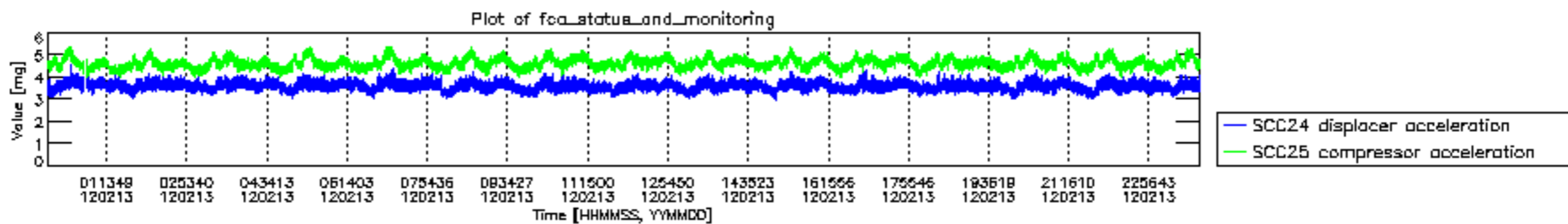












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

