

## 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	28FEB2012 05:26:43
Data source version	KSPT_L0/4504-N
Processing scope for products	23FEB2012 00:00:00 to 24FEB2012 00:00:00
Start time of first product within scope	23FEB2012 01:03:43
Stop time of last product within scope	24FEB2012 00:27:37
Total number of level 0 products	15
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__0PNPDE20120223_010343_000101403112_00045_52214_1087.N1	23FEB2012 01:03:43	23FEB2012 03:52:42	0	0	0	0	0
1	MIP_NL__0PNPDE20120223_012247_000013723112_00046_52215_5761.N1	23FEB2012 01:22:47	23FEB2012 01:45:40	0	0	0	0	0
2	MIP_NL__0PNPDE20120223_014542_000076213112_00046_52215_5760.N1	23FEB2012 01:45:42	23FEB2012 03:52:42	0	0	0	0	0
3	MIP_NL__0PNPDE20120223_035205_000062233112_00047_52216_1088.N1	23FEB2012 03:52:05	23FEB2012 05:35:48	0	0	0	0	0
4	MIP_NL__0PNPDE20120223_053510_000061003112_00048_52217_1089.N1	23FEB2012 05:35:10	23FEB2012 07:16:50	0	0	0	0	0
5	MIP_NL__0PNPDK20120223_071612_000039883112_00049_52218_8654.N1	23FEB2012 07:16:12	23FEB2012 08:22:40	0	0	0	0	0
6	MIP_NL__0PNPDK20120223_082129_000061773112_00050_52219_8655.N1	23FEB2012 08:21:29	23FEB2012 10:04:26	0	0	0	0	0
7	MIP_NL__0PNPDK20120223_114202_000060793112_00052_52221_8657.N1	23FEB2012 11:42:02	23FEB2012 13:23:21	0	0	0	0	0
8	MIP_NL__0PNPDK20120223_132140_000058533112_00053_52222_8658.N1	23FEB2012 13:21:40	23FEB2012 14:59:14	0	0	0	0	0
9	MIP_NL__0PNPDK20120223_145736_000059313112_00054_52223_8659.N1	23FEB2012 14:57:36	23FEB2012 16:36:26	0	0	0	0	0
10	MIP_NL__0PNPDK20120223_163553_000060373112_00055_52224_8660.N1	23FEB2012 16:35:53	23FEB2012 18:16:30	0	0	0	0	0
11	MIP_NL__0PNPDK20120223_181534_000059663112_00056_52225_8661.N1	23FEB2012 18:15:34	23FEB2012 19:55:00	0	0	0	0	0
12	MIP_NL__0PNPDE20120223_195326_000040973112_00057_52226_1090.N1	23FEB2012 19:53:26	23FEB2012 21:01:42	0	0	0	0	0
13	MIP_NL__0PNPDE20120223_210044_000063713112_00057_52226_1091.N1	23FEB2012 21:00:44	23FEB2012 22:46:55	0	0	0	0	0
14	MIP_NL__0PNPDE20120223_224546_000061103112_00058_52227_1092.N1	23FEB2012 22:45:46	24FEB2012 00:27:37	0	0	0	0	0

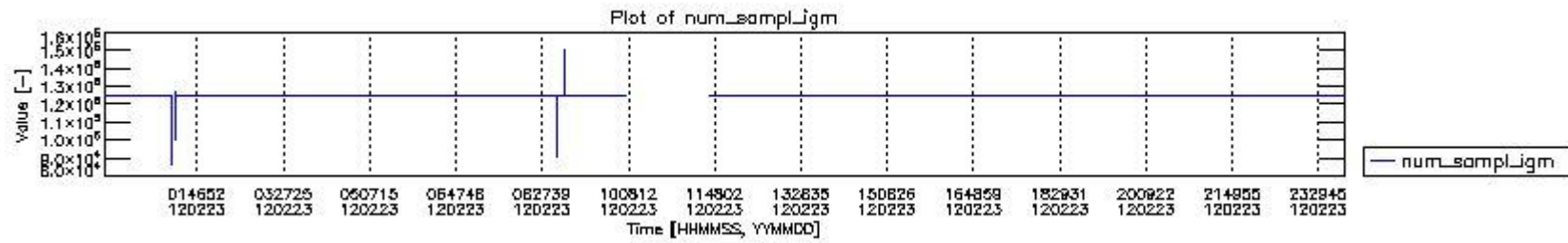
## 0.2 Instrument Operational Performance Parameters

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.

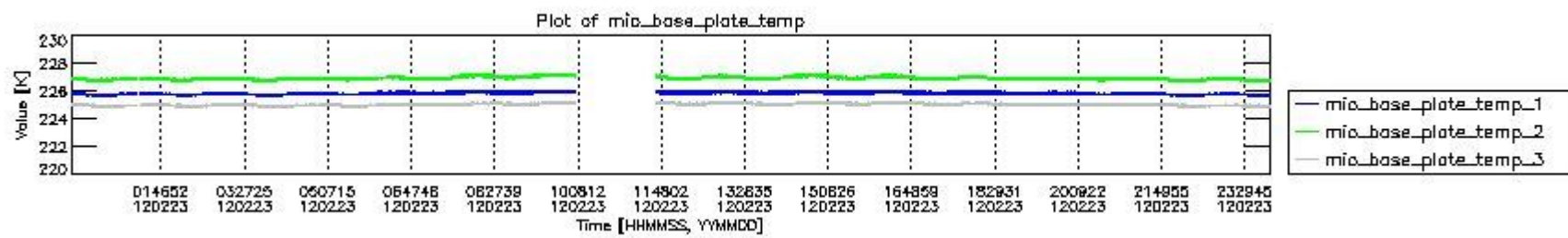
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
86906	1	0.0025805786
90772	1	0.0025805786
95787	1	0.0025805786

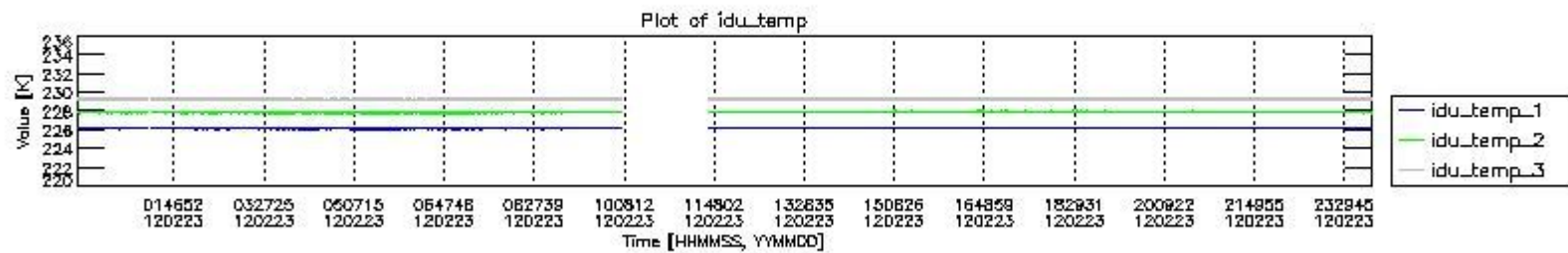
97720	1	0.0025805786
100632	1	0.0025805786
115919	1	0.0025805786
117852	1	0.0025805786
124800	36147	93.280173
124803	2592	6.6888596
125884	1	0.0025805786
126968	1	0.0025805786
127531	1	0.0025805786
147663	1	0.0025805786
150394	1	0.0025805786



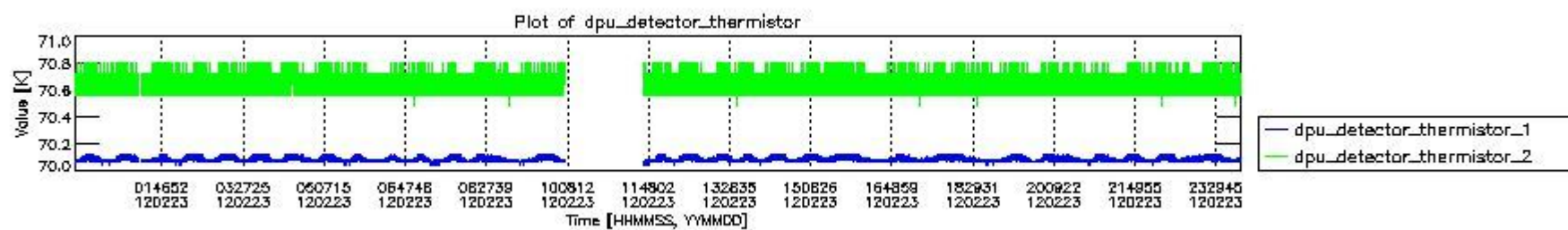
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120223\_0.PNG



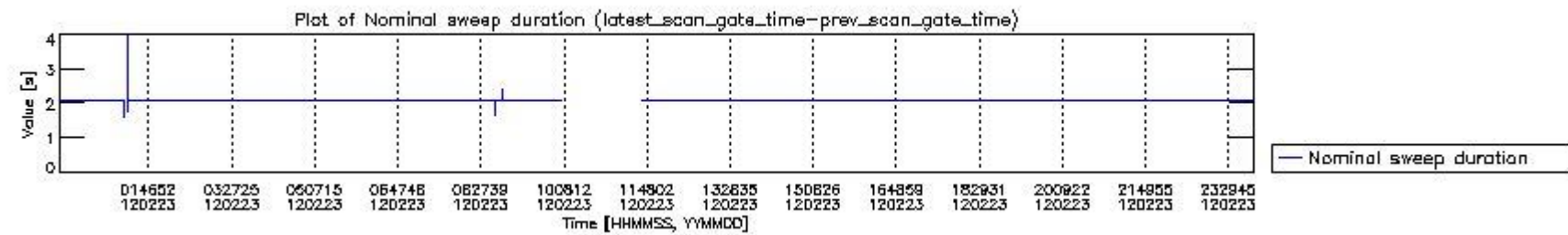
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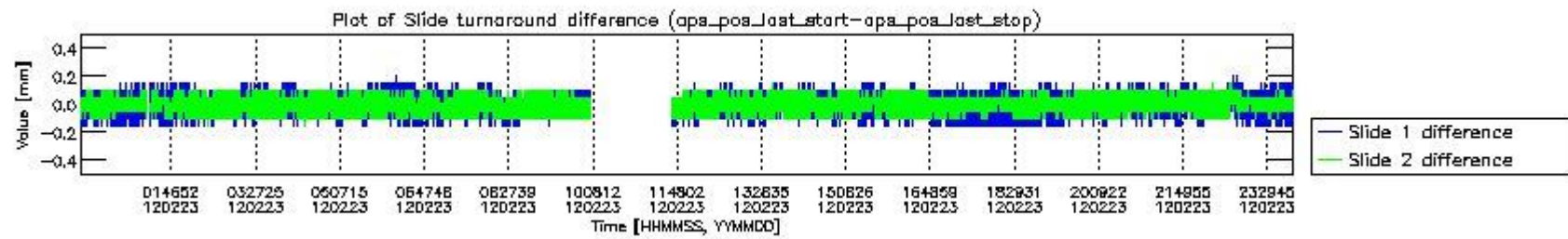
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120223\_2.PNG



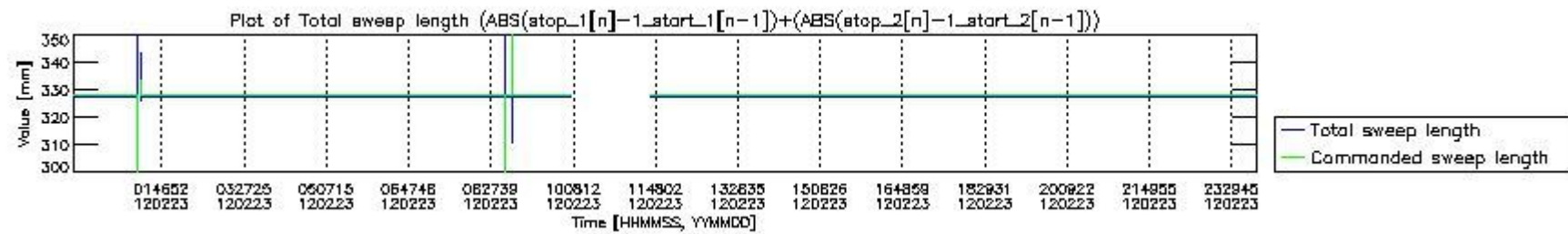
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120223\_3.PNG



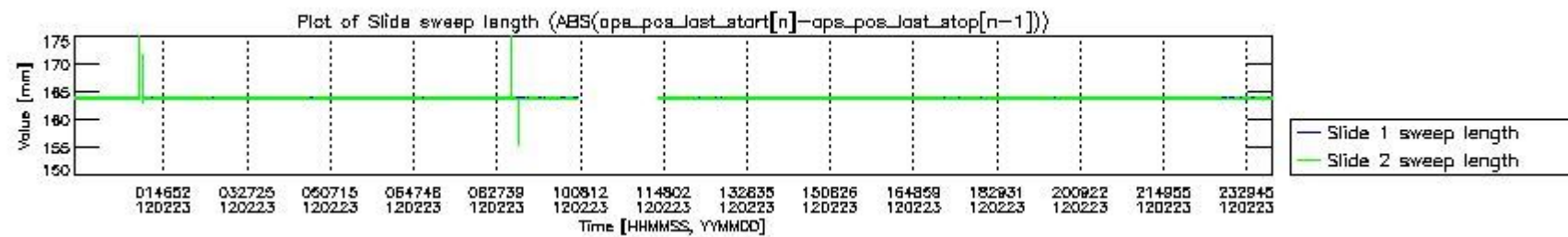
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120223\_4.PNG



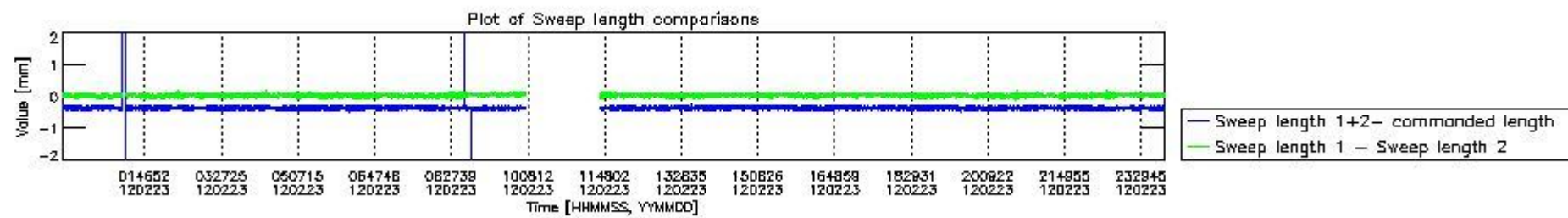
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120223\_5.PNG



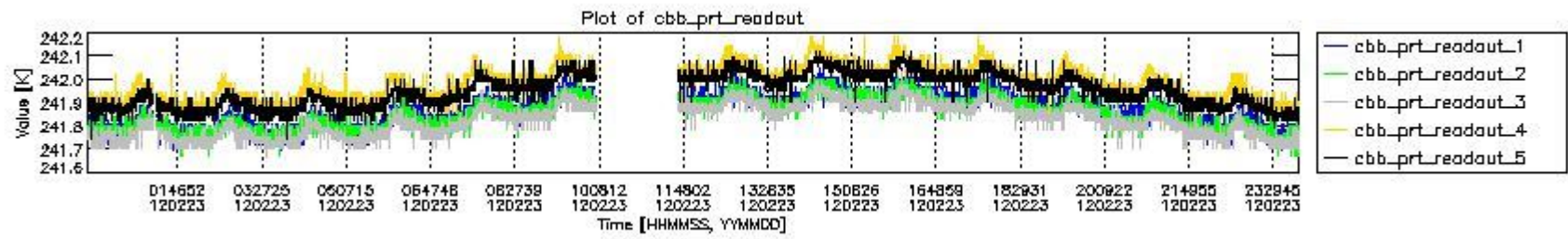
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120223\_6.PNG



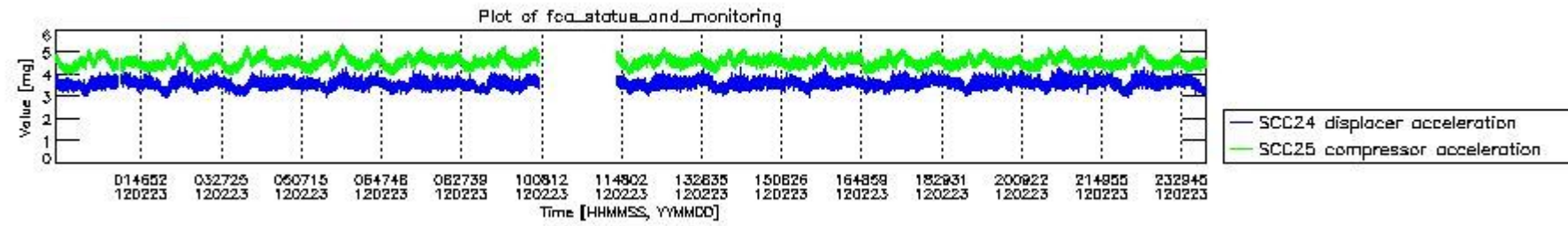
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120223\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120223\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120223\_9.PNG

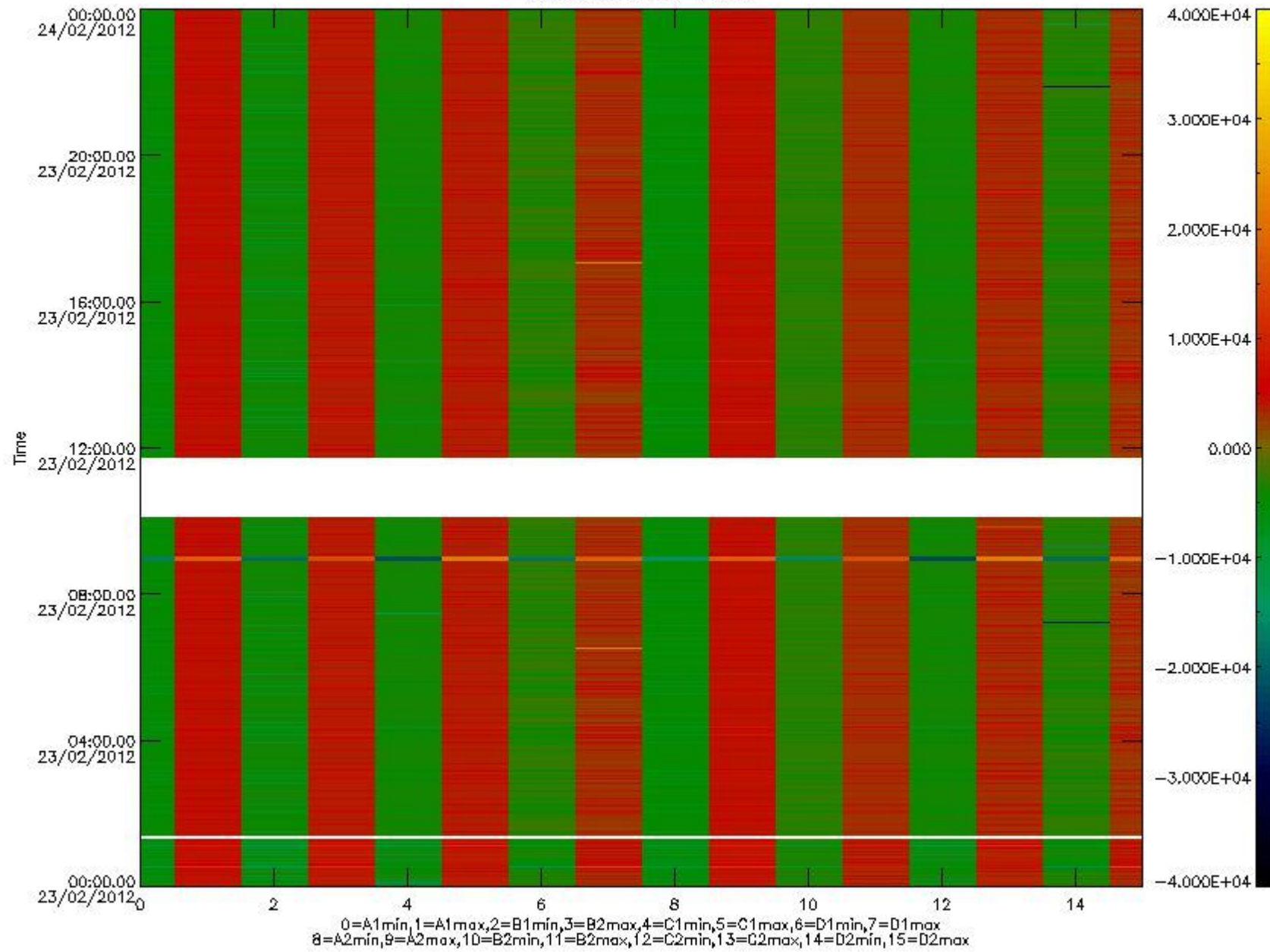


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120223\_10.PNG

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

Channel	Min	Max	ADC
A1	-17149	18050	16bit
B1	-18853	16388	16bit
C1	-23672	22031	16bit
D1	-18301	32767	16bit
A2	-14965	18267	16bit
B2	-16553	16355	16bit
C2	-23198	23577	16bit
D2	-32768	19847	16bit

MIPNLOP\_MIPSOUPAC\_aux\_fields\_1gm\_cal, channel statistics plot  
Colour indicates value.



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120223\_11.PNG

### 0.3 ADF monitoring

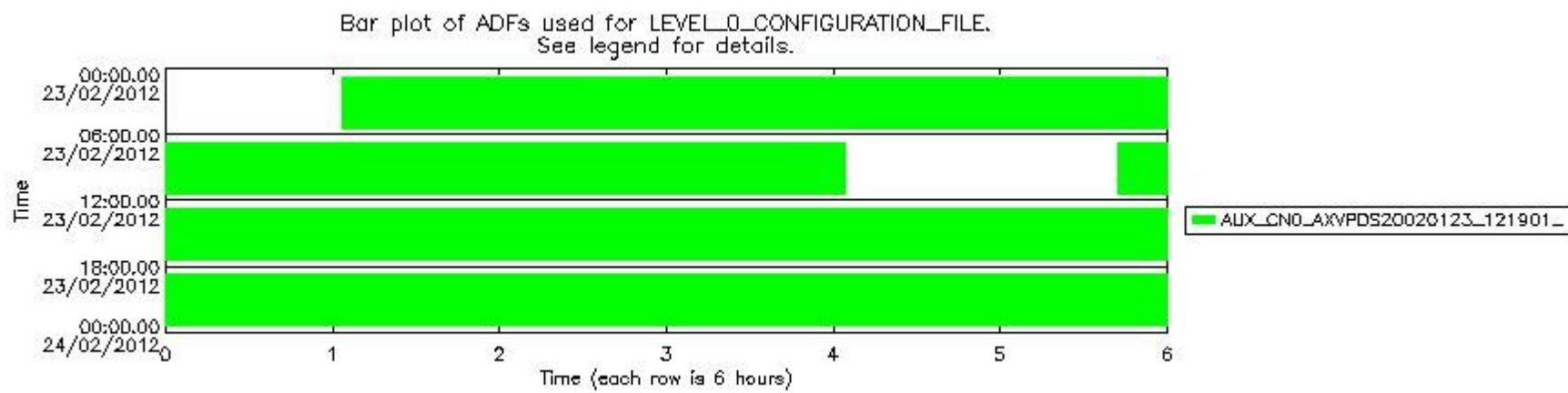
The use of ADFs is shown in two ways:

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.

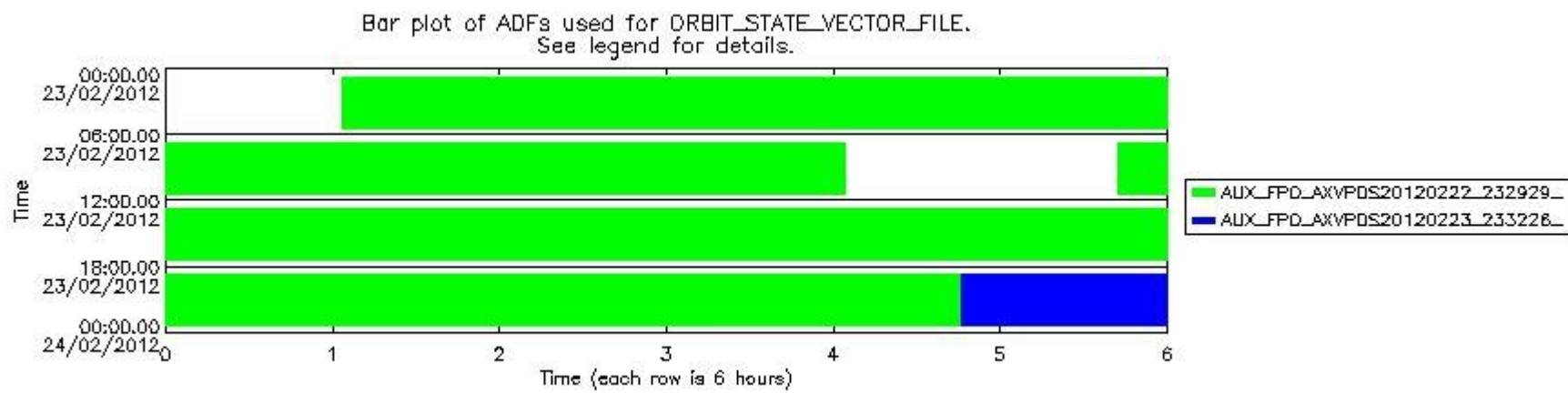
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120222_232929_20120221_191047_20120302_212428
2	AUX_FPO_AXVPDS20120223_233226_20120223_125634_20120304_151016

Number	Product name	#CN0	#FPO
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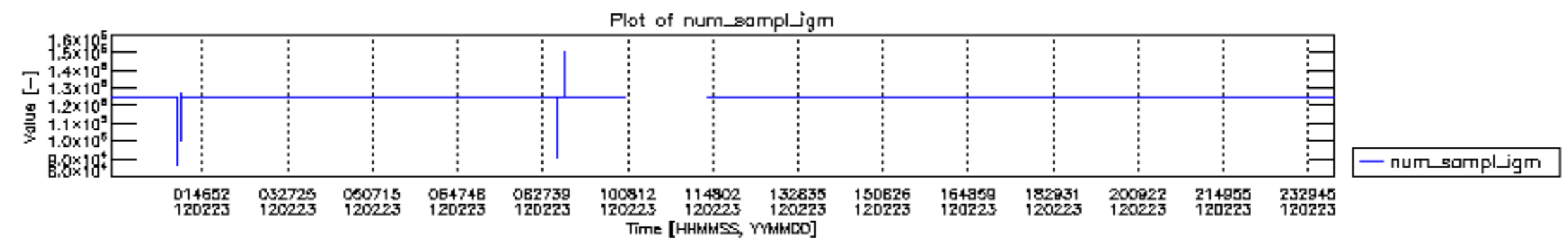
0	MIP_NL__0PNPDE20120223_010343_000101403112_00045_52214_1087.N1	0	1
1	MIP_NL__0PNPDE20120223_012247_000013723112_00046_52215_5761.N1	0	1
2	MIP_NL__0PNPDE20120223_014542_000076213112_00046_52215_5760.N1	0	1
3	MIP_NL__0PNPDE20120223_035205_000062233112_00047_52216_1088.N1	0	1
4	MIP_NL__0PNPDE20120223_053510_000061003112_00048_52217_1089.N1	0	1
5	MIP_NL__0PNPDK20120223_071612_000039883112_00049_52218_8654.N1	0	1
6	MIP_NL__0PNPDK20120223_082129_000061773112_00050_52219_8655.N1	0	1
7	MIP_NL__0PNPDK20120223_114202_000060793112_00052_52221_8657.N1	0	1
8	MIP_NL__0PNPDK20120223_132140_000058533112_00053_52222_8658.N1	0	1
9	MIP_NL__0PNPDK20120223_145736_000059313112_00054_52223_8659.N1	0	1
10	MIP_NL__0PNPDK20120223_163553_000060373112_00055_52224_8660.N1	0	1
11	MIP_NL__0PNPDK20120223_181534_000059663112_00056_52225_8661.N1	0	1
12	MIP_NL__0PNPDE20120223_195326_000040973112_00057_52226_1090.N1	0	1
13	MIP_NL__0PNPDE20120223_210044_000063713112_00057_52226_1091.N1	0	1
14	MIP_NL__0PNPDE20120223_224546_000061103112_00058_52227_1092.N1	0	2

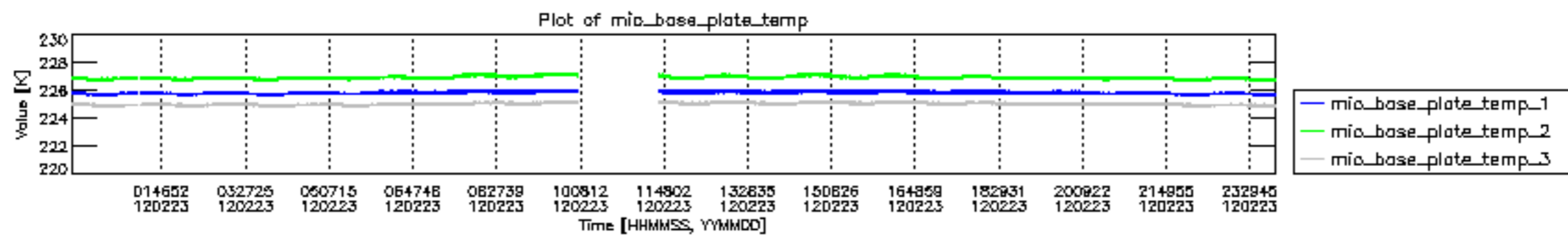


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120223\_12.PNG

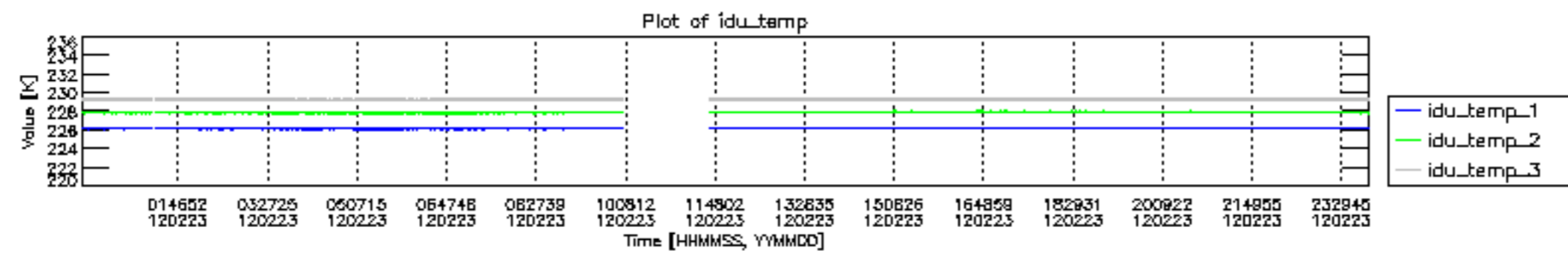


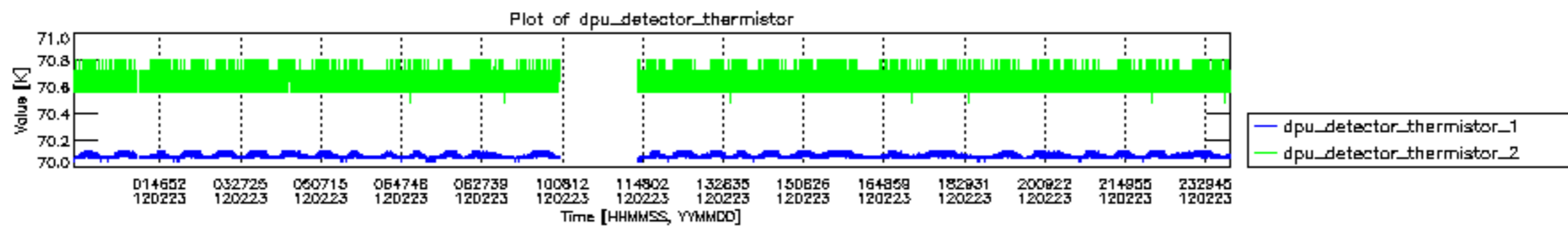
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120223\_13.PNG

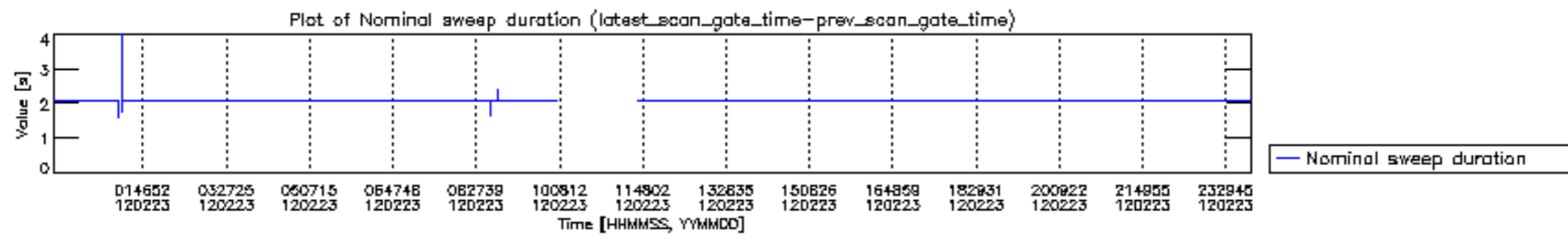


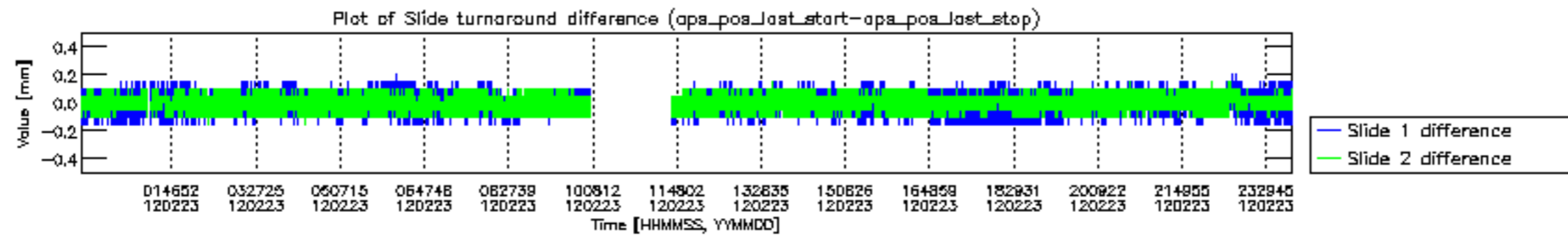


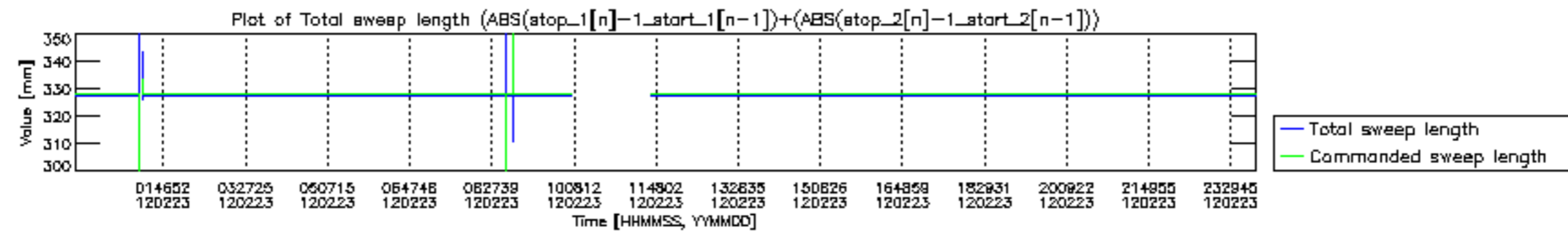


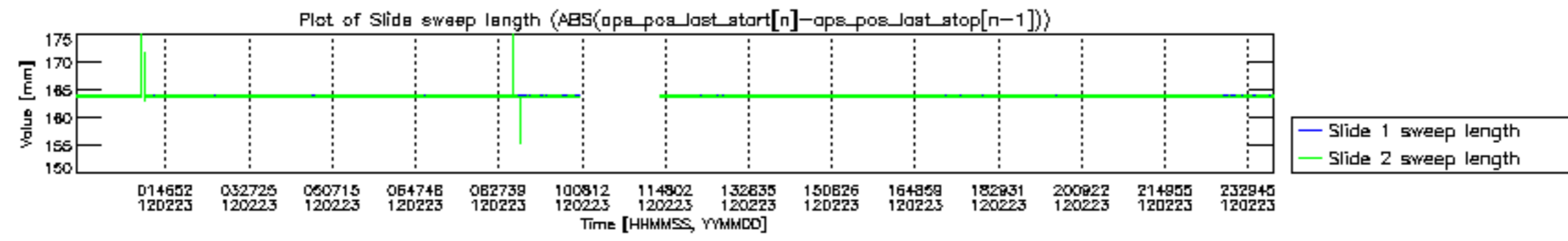


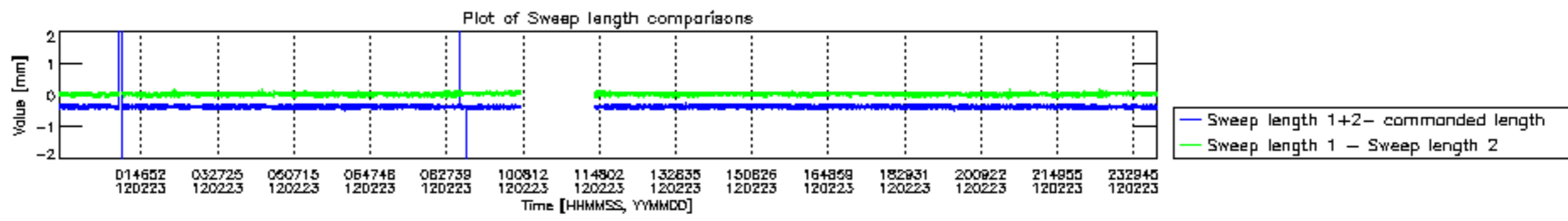


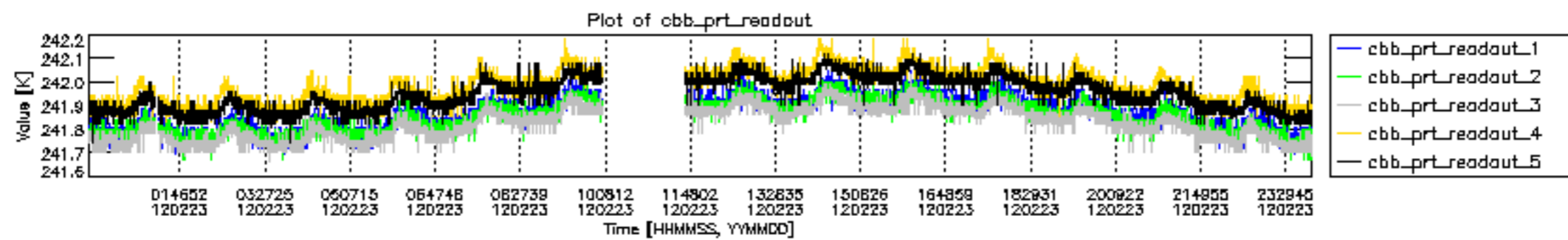




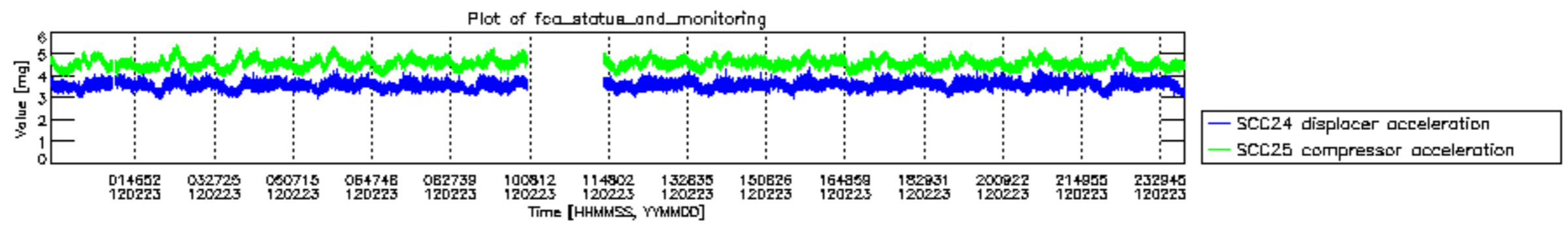












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

