

## 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	13MAR2011 05:24:32
Data source version	KSPT_L0/4504-N
Processing scope for products	08MAR2011 00:00:00 to 09MAR2011 00:00:00
Start time of first product within scope	08MAR2011 01:07:31
Stop time of last product within scope	09MAR2011 00:30:42
Total number of level 0 products	15
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__OPNPDE20110308_010731_000101953100_00160_47157_3061.N1	08MAR2011 01:07:31	08MAR2011 03:57:25	0	0	0	0	0
1	MIP_NL__OPNPDE20110308_035654_000061643100_00162_47159_3062.N1	08MAR2011 03:56:54	08MAR2011 05:39:38	0	0	0	0	0
2	MIP_NL__OPNPDE20110308_053904_000061493100_00163_47160_3063.N1	08MAR2011 05:39:04	08MAR2011 07:21:33	0	0	0	0	0
3	MIP_NL__OPNPDE20110308_065319_000017803100_00164_47161_3072.N1	08MAR2011 06:53:19	08MAR2011 07:22:59	0	0	0	0	0
4	MIP_NL__OPNPDK20110308_072100_000039213100_00164_47161_4502.N1	08MAR2011 07:21:00	08MAR2011 08:26:21	0	0	0	0	0
5	MIP_NL__OPNPDK20110308_082525_000061753100_00165_47162_4503.N1	08MAR2011 08:25:25	08MAR2011 10:08:20	1	1	0	0	0
6	MIP_NL__OPNPDK20110308_100734_000060463100_00166_47163_4504.N1	08MAR2011 10:07:34	08MAR2011 11:48:20	0	0	0	0	0
7	MIP_NL__OPNPDK20110308_114746_000059293100_00167_47164_4505.N1	08MAR2011 11:47:46	08MAR2011 13:26:35	0	0	0	0	0
8	MIP_NL__OPNPDK20110308_132536_000058933100_00168_47165_4506.N1	08MAR2011 13:25:36	08MAR2011 15:03:50	0	0	0	0	0
9	MIP_NL__OPNPDK20110308_150222_000059413100_00169_47166_4507.N1	08MAR2011 15:02:22	08MAR2011 16:41:23	0	0	0	0	0
10	MIP_NL__OPNPDK20110308_163951_000059393100_00170_47167_4508.N1	08MAR2011 16:39:51	08MAR2011 18:18:50	0	0	0	0	0
11	MIP_NL__OPNPDK20110308_181800_000059143100_00171_47168_4509.N1	08MAR2011 18:18:00	08MAR2011 19:56:34	0	0	0	0	0
12	MIP_NL__OPNPDE20110308_195528_000041593100_00172_47169_3065.N1	08MAR2011 19:55:28	08MAR2011 21:04:47	0	0	0	0	0
13	MIP_NL__OPNPDE20110308_210340_000063673100_00172_47169_3066.N1	08MAR2011 21:03:40	08MAR2011 22:49:47	0	0	0	0	0
14	MIP_NL__OPNPDE20110308_224845_000061173100_00173_47170_3067.N1	08MAR2011 22:48:45	09MAR2011 00:30:42	0	0	0	0	0

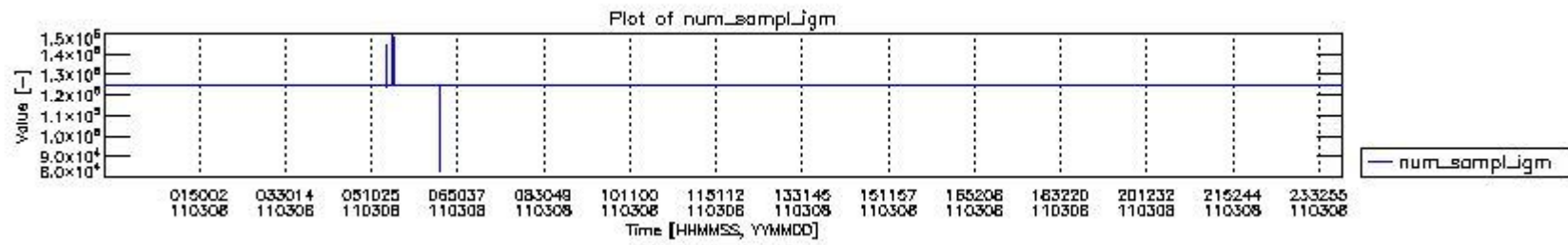
## 0.2 Instrument Operational Performance Parameters

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.

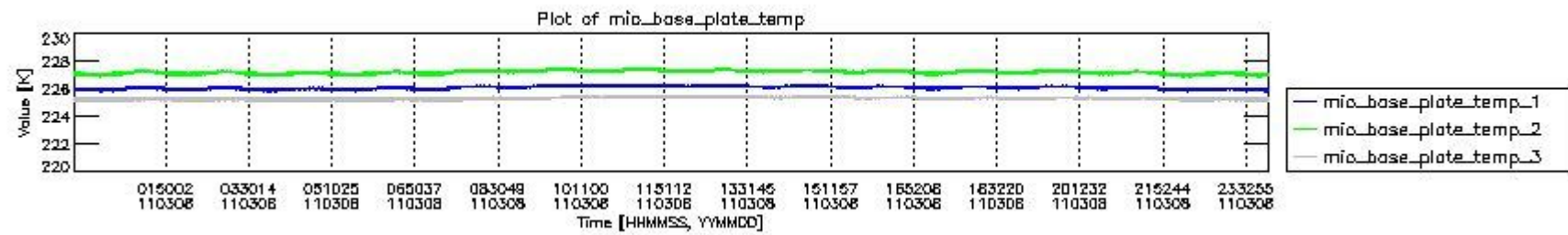
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
82446	1	0.0024029220
93557	1	0.0024029220
113689	1	0.0024029220

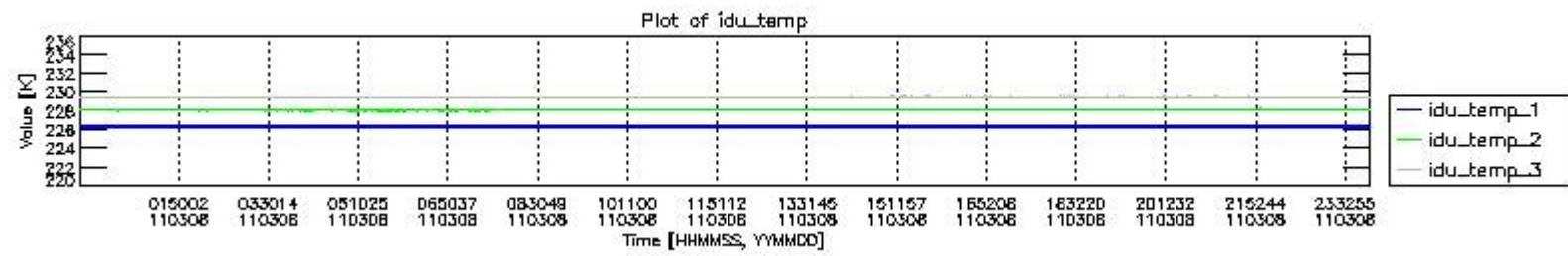
124260	1	0.0024029220
124800	38651	92.875336
124803	2956	7.1030373
127010	1	0.0024029220
143852	1	0.0024029220
144392	1	0.0024029220
147142	1	0.0024029220
149352	1	0.0024029220



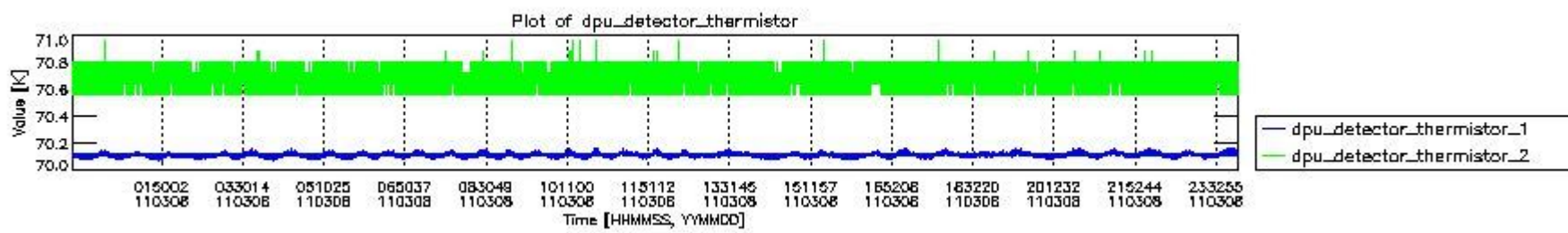
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110308\_0.PNG



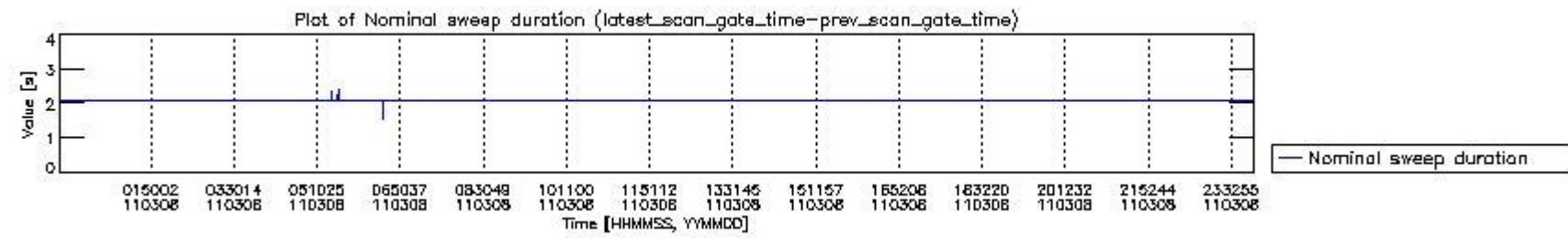
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110308\_1.PNG



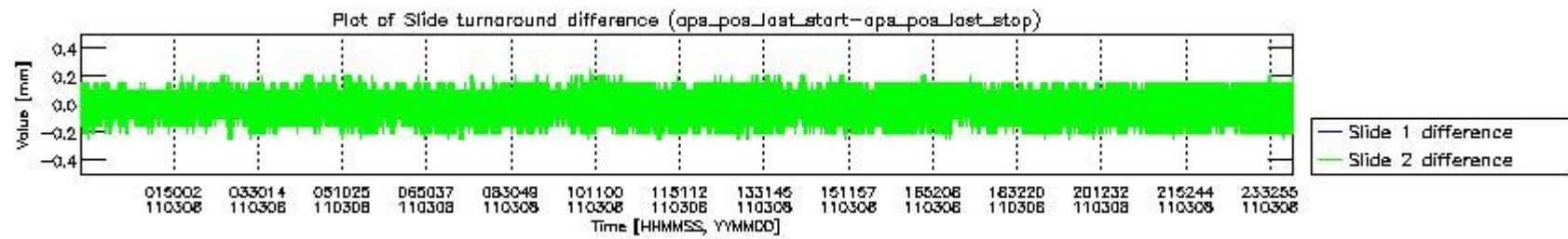
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110308\_2.PNG



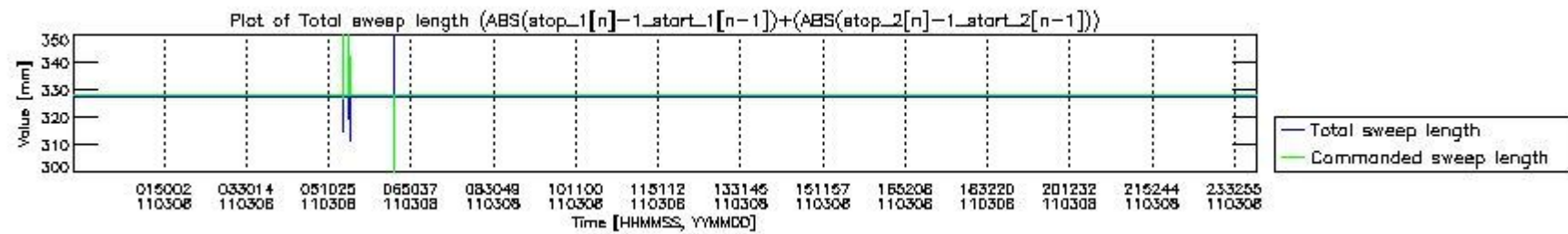
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110308\_3.PNG



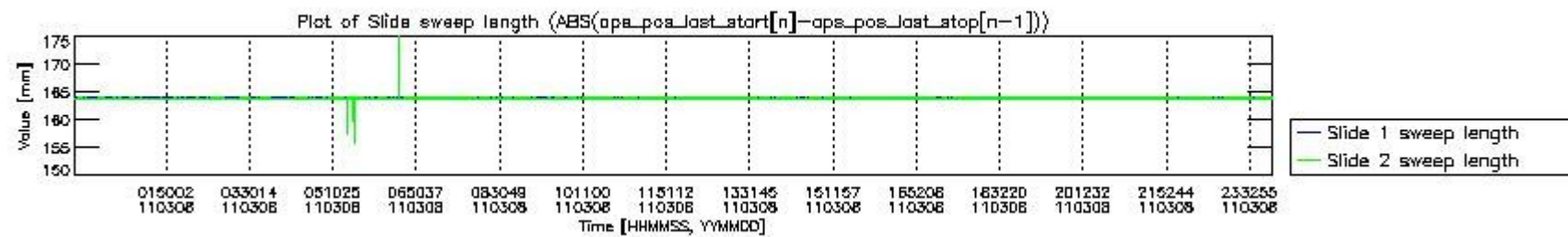
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110308\_4.PNG



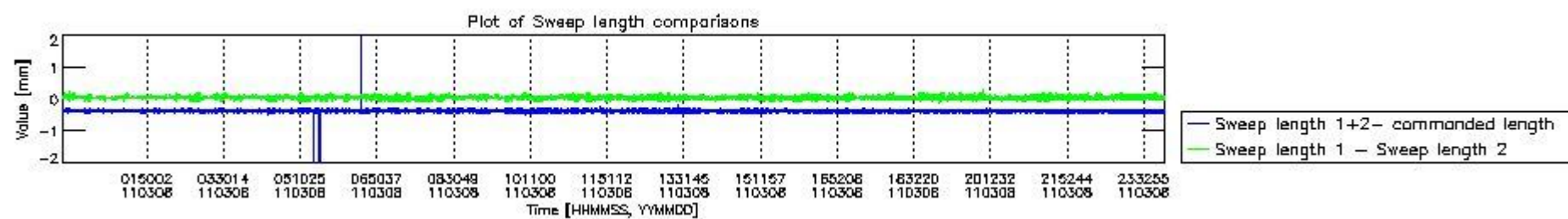
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110308\_5.PNG



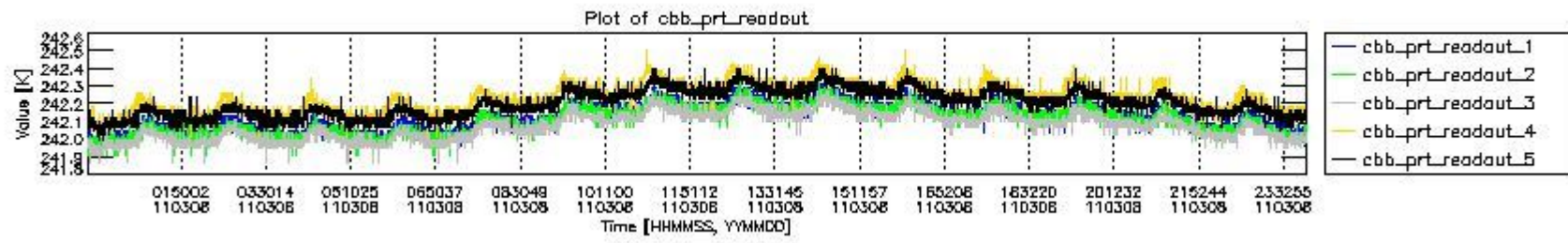
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110308\_6.PNG



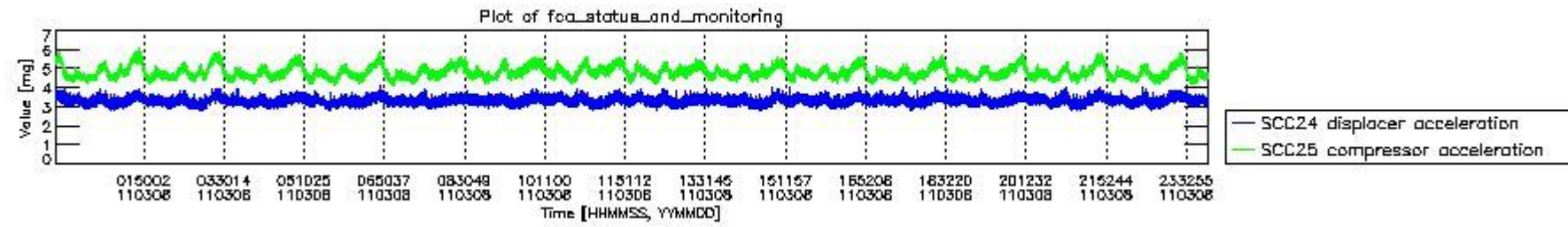
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110308\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110308\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110308\_9.PNG

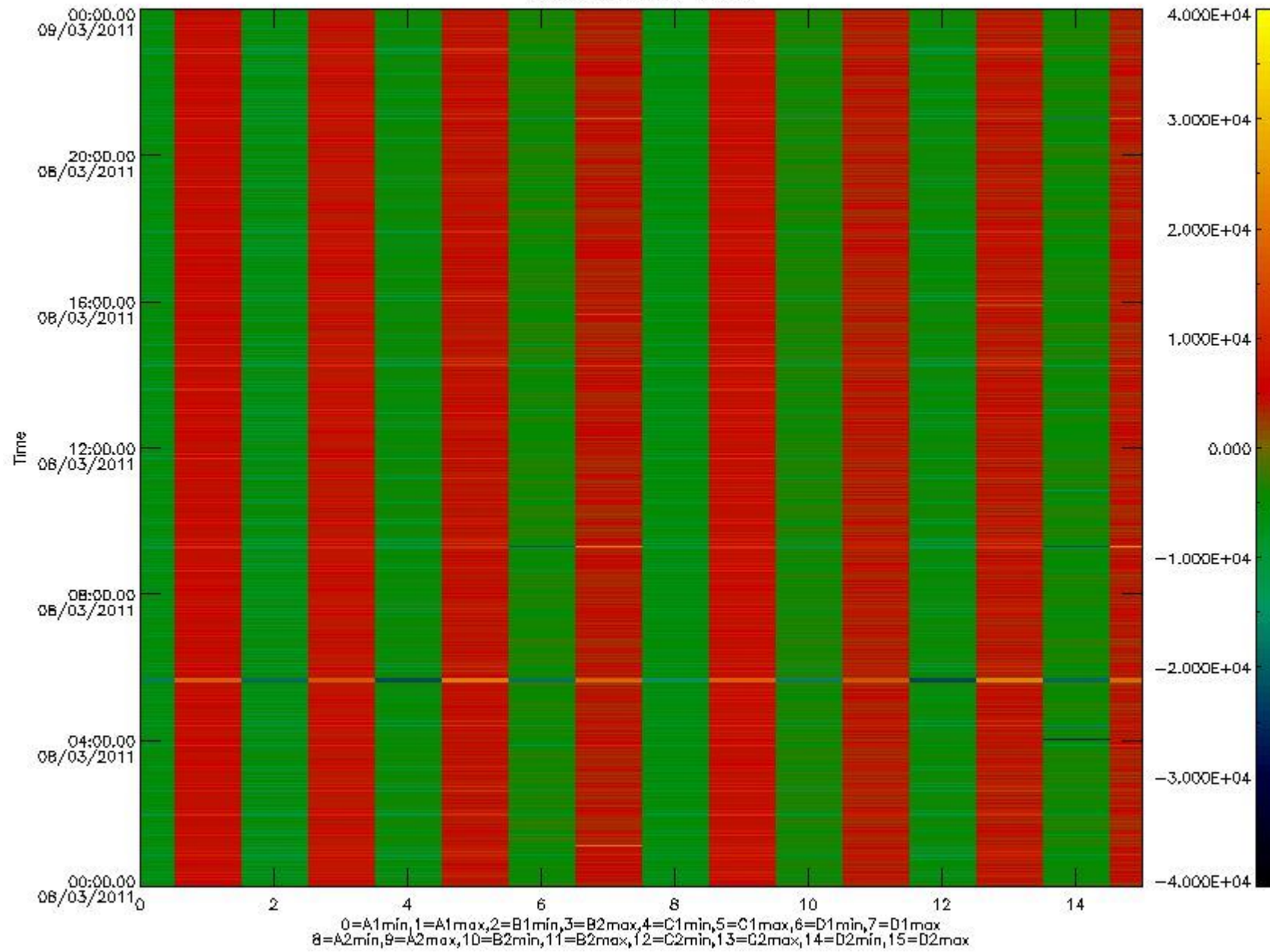


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110308\_10.PNG

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

Channel	Min	Max	ADC
A1	-17490	18510	16bit
B1	-19035	16543	16bit
C1	-23745	22217	16bit
D1	-25675	32767	16bit
A2	-15185	18636	16bit
B2	-17163	16873	16bit
C2	-23300	25289	16bit
D2	-32768	28582	16bit

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



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110308\_11.PNG

### 0.3 ADF monitoring

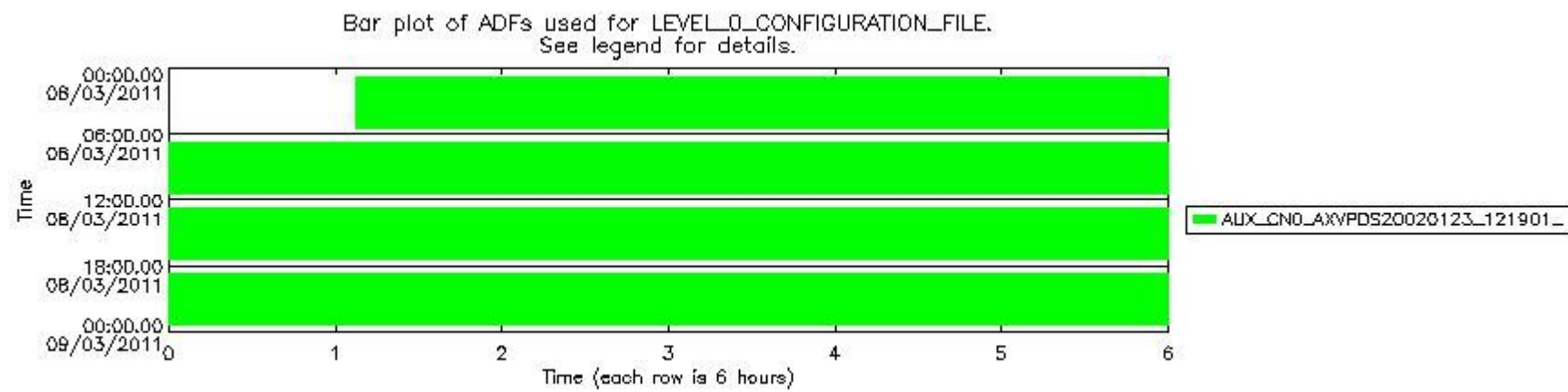
The use of ADFs is shown in two ways:

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.

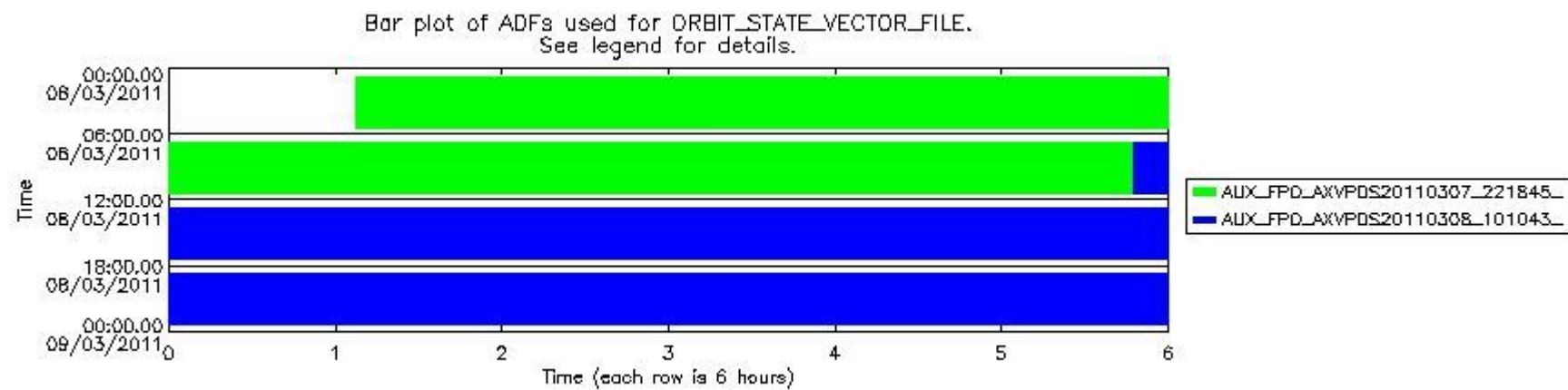
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110307_221845_20110306_191342_20110316_212732
2	AUX_FPO_AXVPDS20110308_101043_20110307_183658_20110317_205047

Number	Product name	#CN0	#FPO
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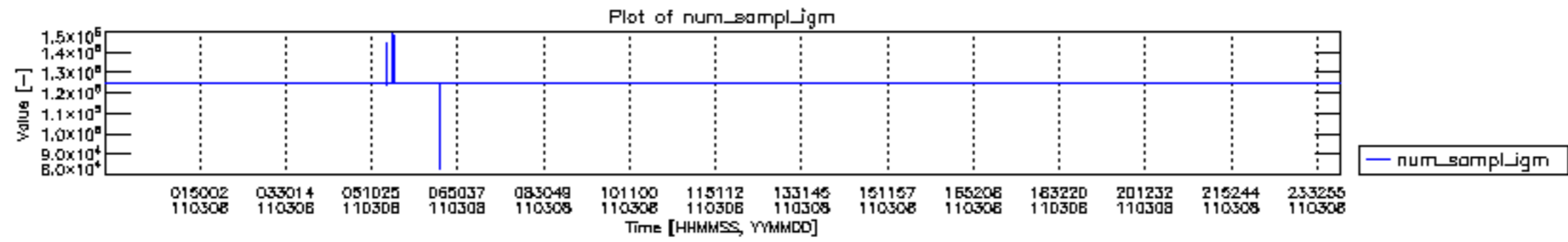
0	MIP_NL__0PNPDE20110308_010731_000101953100_00160_47157_3061.N1	0	1
1	MIP_NL__0PNPDE20110308_035654_000061643100_00162_47159_3062.N1	0	1
2	MIP_NL__0PNPDE20110308_053904_000061493100_00163_47160_3063.N1	0	1
3	MIP_NL__0PNPDE20110308_065319_000017803100_00164_47161_3072.N1	0	2
4	MIP_NL__0PNPDK20110308_072100_000039213100_00164_47161_4502.N1	0	1
5	MIP_NL__0PNPDK20110308_082525_000061753100_00165_47162_4503.N1	0	1
6	MIP_NL__0PNPDK20110308_100734_000060463100_00166_47163_4504.N1	0	1
7	MIP_NL__0PNPDK20110308_114746_000059293100_00167_47164_4505.N1	0	2
8	MIP_NL__0PNPDK20110308_132536_000058933100_00168_47165_4506.N1	0	2
9	MIP_NL__0PNPDK20110308_150222_000059413100_00169_47166_4507.N1	0	2
10	MIP_NL__0PNPDK20110308_163951_000059393100_00170_47167_4508.N1	0	2
11	MIP_NL__0PNPDK20110308_181800_000059143100_00171_47168_4509.N1	0	2
12	MIP_NL__0PNPDE20110308_195528_000041593100_00172_47169_3065.N1	0	2
13	MIP_NL__0PNPDE20110308_210340_000063673100_00172_47169_3066.N1	0	2
14	MIP_NL__0PNPDE20110308_224845_000061173100_00173_47170_3067.N1	0	2

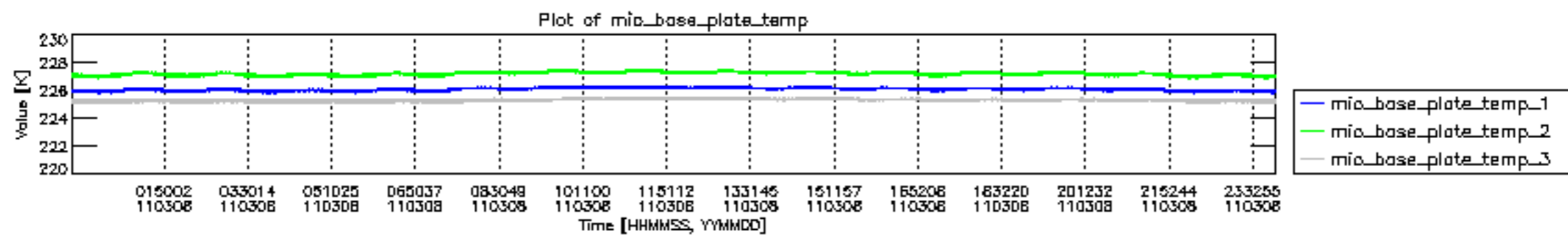


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110308\_12.PNG

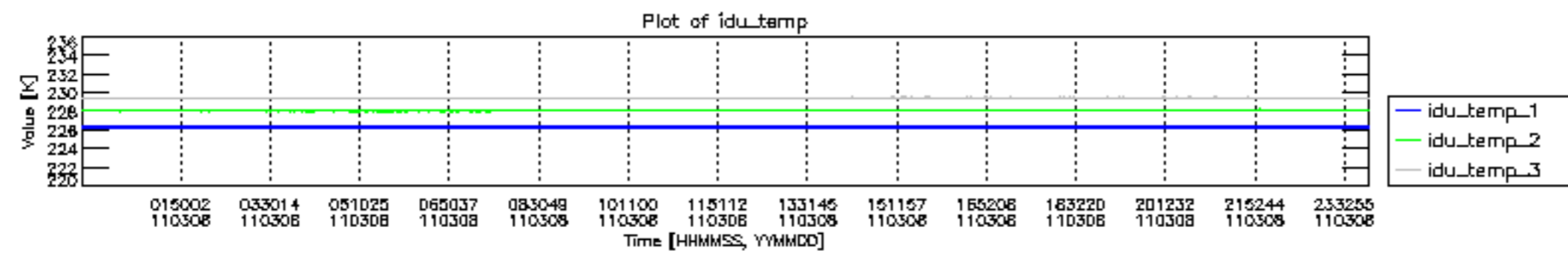


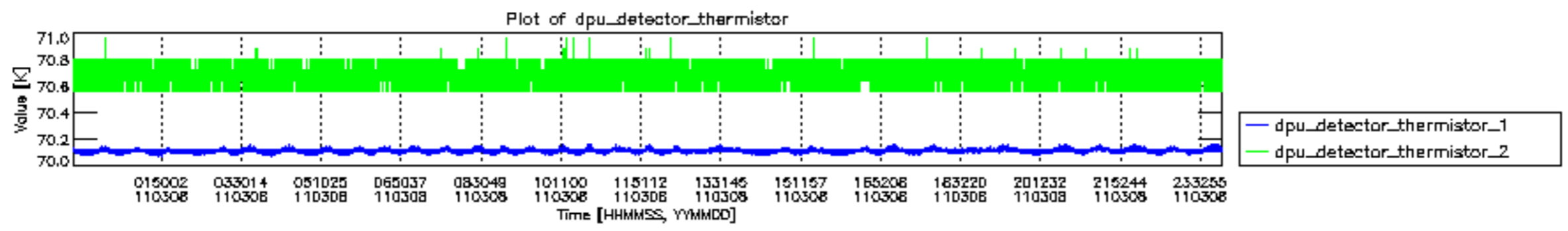
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110308\_13.PNG

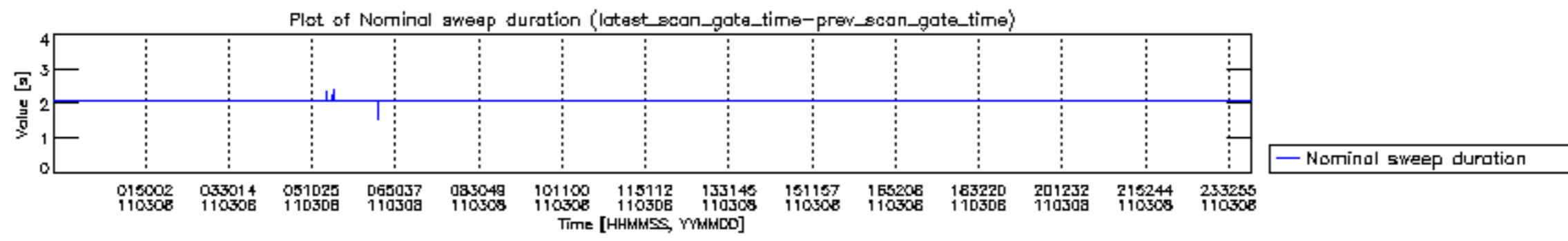


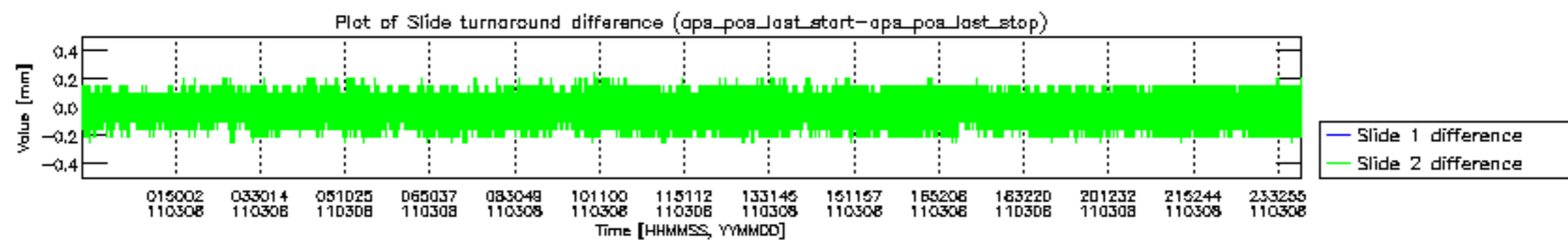


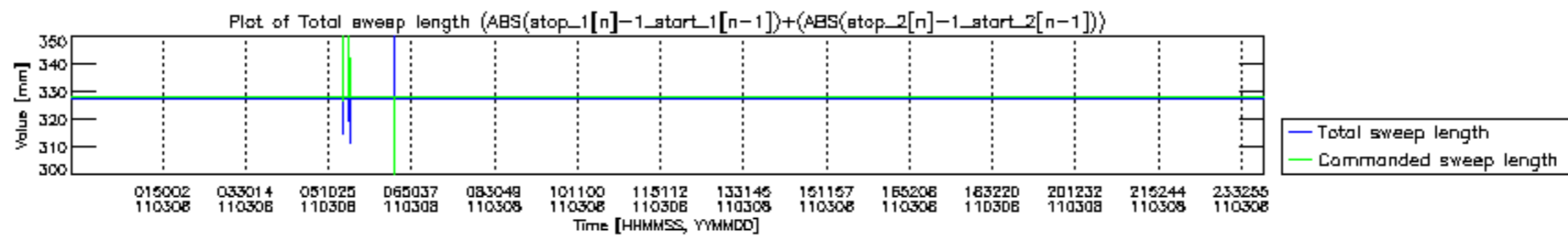


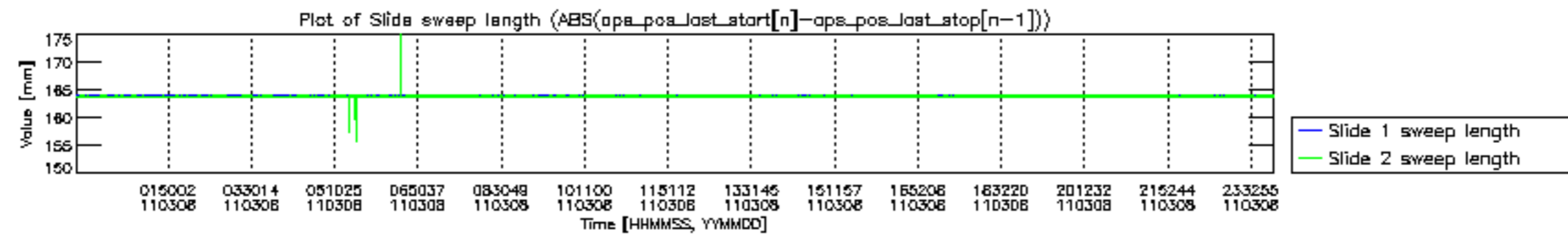


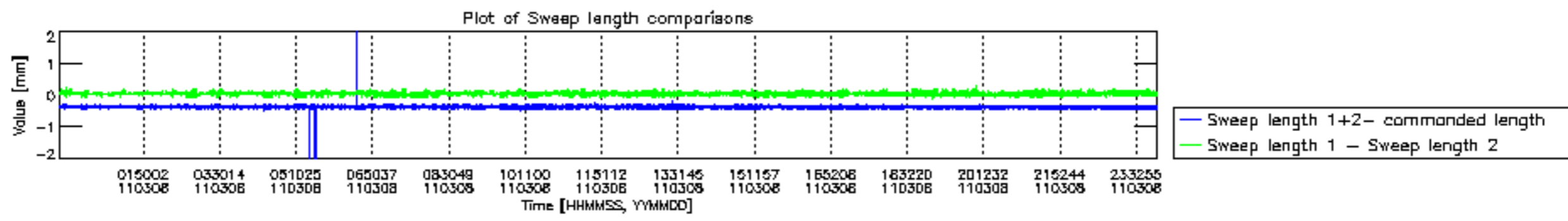


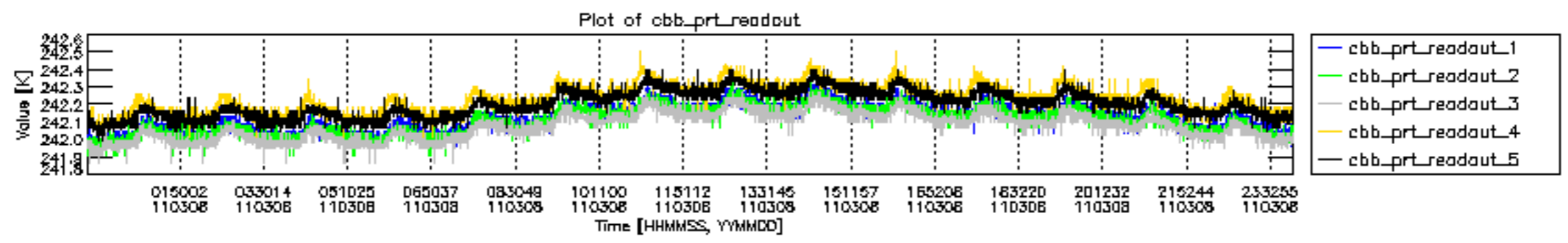




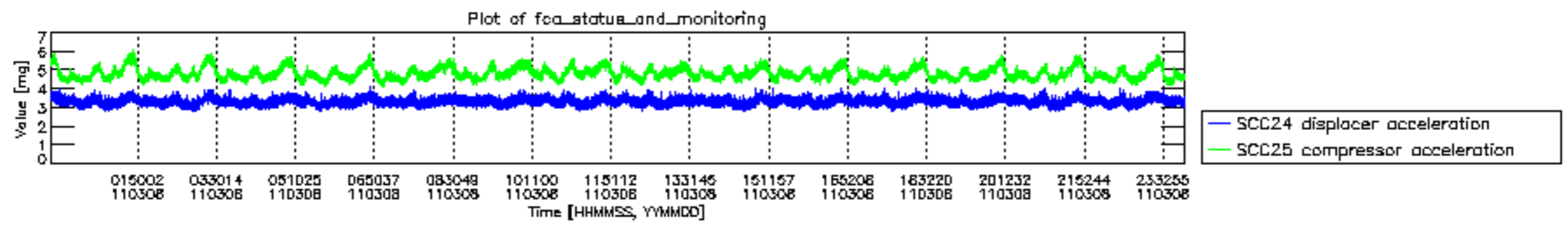












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.



