

## 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	01JAN2012 05:24:09
Data source version	KSPT_L0/4504-N
Processing scope for products	27DEC2011 00:00:00 to 28DEC2011 00:00:00
Start time of first product within scope	27DEC2011 01:27:46
Stop time of last product within scope	28DEC2011 00:53:31
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__0PNPDE20111227_012746_000103533110_00074_51381_5220.N1	27DEC2011 01:27:46	27DEC2011 04:20:19	0	0	0	0	0
1	MIP_NL__0PNPDE20111227_021211_000076883110_00075_51382_0499.N1	27DEC2011 02:12:11	27DEC2011 04:20:19	0	0	0	0	0
2	MIP_NL__0PNPDE20111227_041945_000062363110_00076_51383_5221.N1	27DEC2011 04:19:45	27DEC2011 06:03:42	0	0	0	0	0
3	MIP_NL__0PNPDK20111227_060308_000041513110_00077_51384_7909.N1	27DEC2011 06:03:08	27DEC2011 07:12:19	0	0	0	0	0
4	MIP_NL__0PNPDK20111227_071123_000059613110_00078_51385_7910.N1	27DEC2011 07:11:23	27DEC2011 08:50:44	0	0	0	0	0
5	MIP_NL__0PNPDK20111227_084923_000060623110_00079_51386_7911.N1	27DEC2011 08:49:23	27DEC2011 10:30:25	0	0	0	0	0
6	MIP_NL__0PNPDK20111227_102849_000060353110_00080_51387_7912.N1	27DEC2011 10:28:49	27DEC2011 12:09:23	0	0	0	0	0
7	MIP_NL__0PNPDK20111227_120756_000061043110_00081_51388_7913.N1	27DEC2011 12:07:56	27DEC2011 13:49:39	0	0	0	0	0
8	MIP_NL__0PNPDK20111227_134841_000059313110_00082_51389_7914.N1	27DEC2011 13:48:41	27DEC2011 15:27:31	0	0	0	0	0
9	MIP_NL__0PNPDK20111227_152656_000060043110_00083_51390_7915.N1	27DEC2011 15:26:56	27DEC2011 17:07:00	0	0	0	0	0
10	MIP_NL__0PNPDK20111227_170626_000057093110_00084_51391_7916.N1	27DEC2011 17:06:26	27DEC2011 18:41:35	0	0	0	0	0
11	MIP_NL__0PNPDK20111227_184029_000060873110_00085_51392_7917.N1	27DEC2011 18:40:29	27DEC2011 20:21:56	0	0	0	0	0
12	MIP_NL__0PNPDE20111227_201949_000043183110_00086_51393_5222.N1	27DEC2011 20:19:49	27DEC2011 21:31:46	0	0	0	0	0
13	MIP_NL__0PNPDE20111227_213050_000061403110_00086_51393_5223.N1	27DEC2011 21:30:50	27DEC2011 23:13:10	0	0	0	0	0
14	MIP_NL__0PNPDE20111227_231213_000060783110_00087_51394_5224.N1	27DEC2011 23:12:13	28DEC2011 00:53:31	0	0	0	0	0

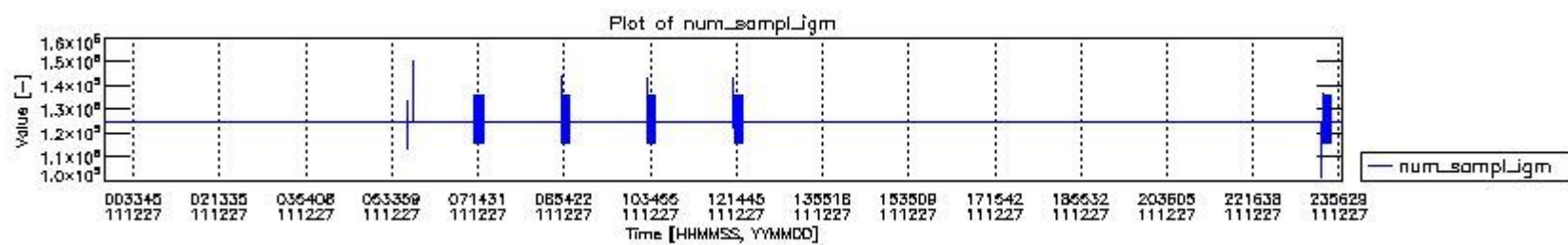
## 0.2 Instrument Operational Performance Parameters

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.

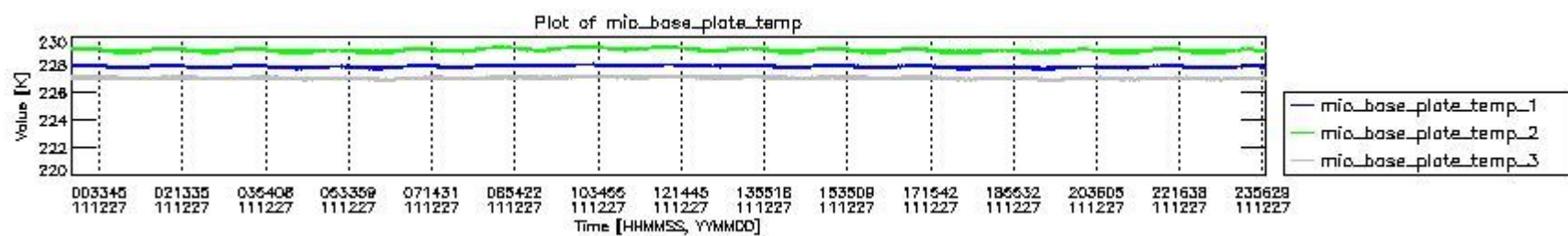
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
101922	1	0.0024065072
103295	1	0.0024065072
113406	1	0.0024065072

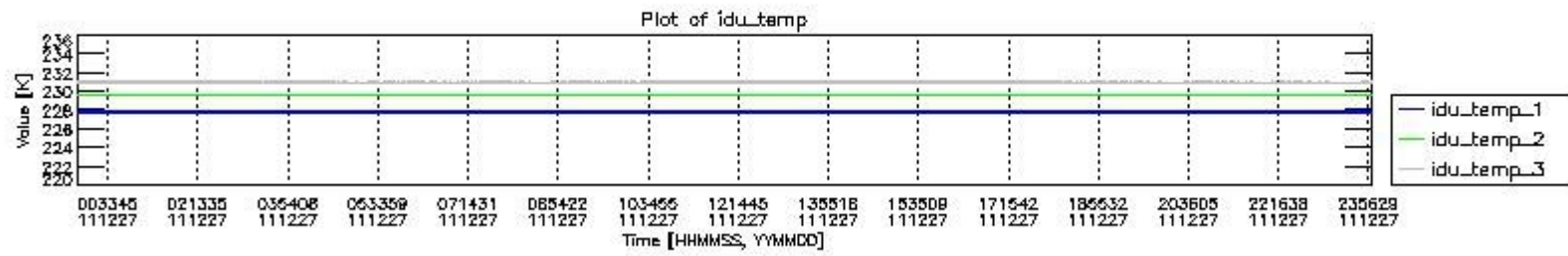
115636	1	0.0024065072
116008	11	0.026471579
116082	56	0.13476440
116156	18	0.043317130
116231	5	0.012032536
116305	1	0.0024065072
122144	1	0.0024065072
122773	1	0.0024065072
123219	1	0.0024065072
123427	1	0.0024065072
123665	1	0.0024065072
124800	38401	92.412283
124803	2860	6.8826106
126604	1	0.0024065072
127348	11	0.026471579
127496	55	0.13235790
127531	1	0.0024065072
127644	18	0.043317130
127794	5	0.012032536
127942	1	0.0024065072
133538	1	0.0024065072
135768	1	0.0024065072
136140	11	0.026471579
136214	56	0.13476440
136288	18	0.043317130
136363	5	0.012032536
136437	1	0.0024065072
140878	1	0.0024065072
141770	1	0.0024065072
142662	1	0.0024065072
142905	1	0.0024065072
143351	1	0.0024065072
143797	1	0.0024065072
147663	1	0.0024065072
150394	1	0.0024065072



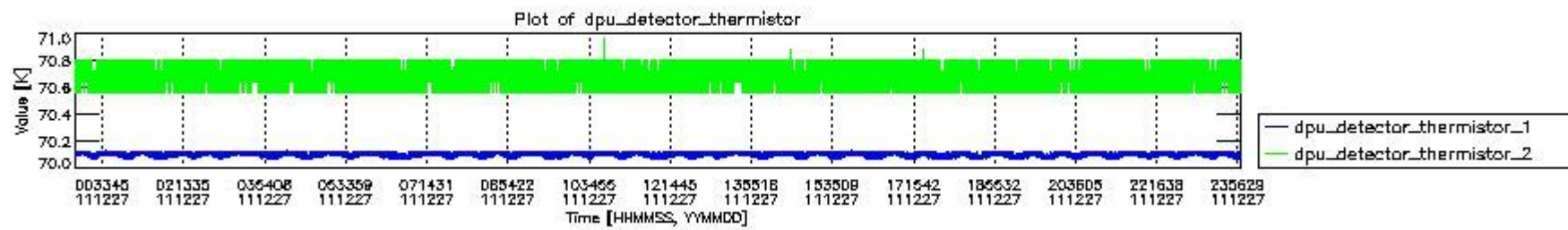
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111227\_0.PNG



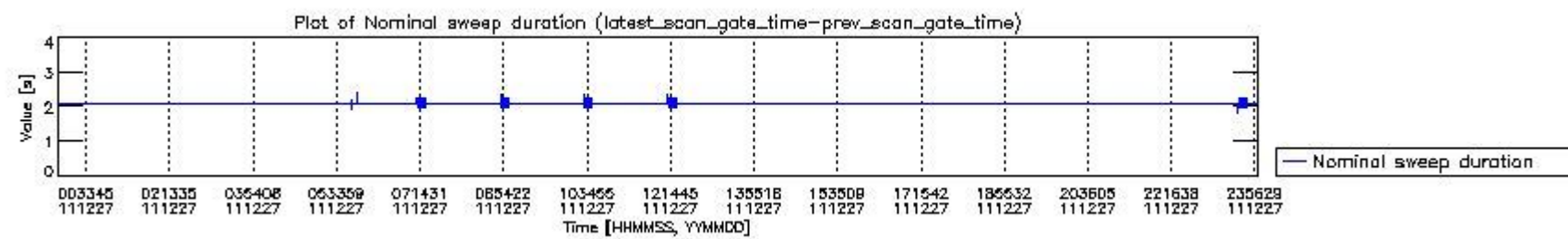
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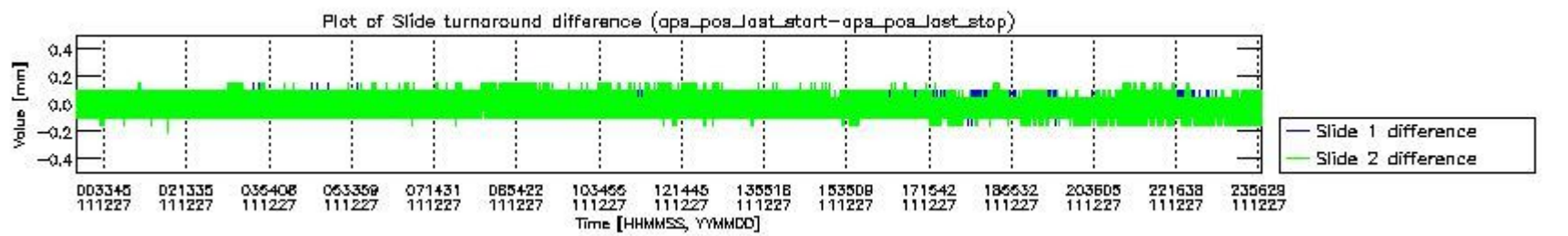
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111227\_2.PNG



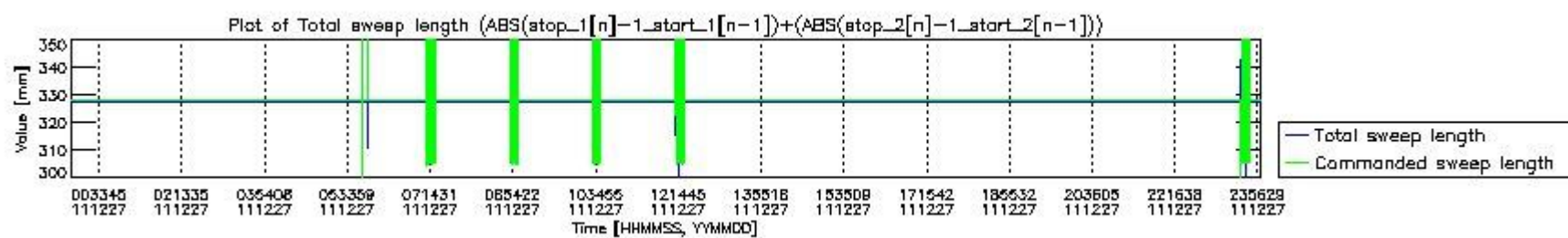
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111227\_3.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111227\_4.PNG

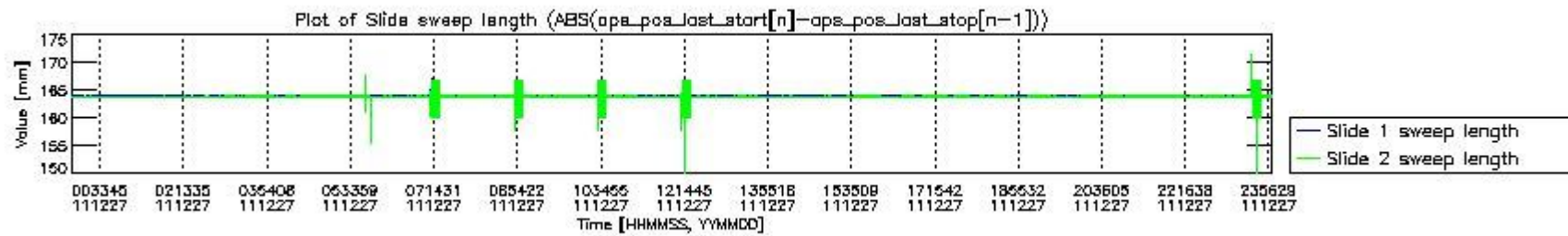


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111227\_5.PNG

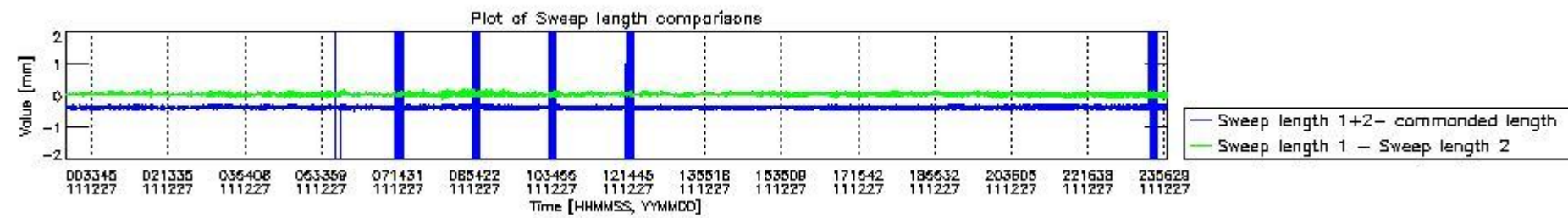


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111227\_6.PNG

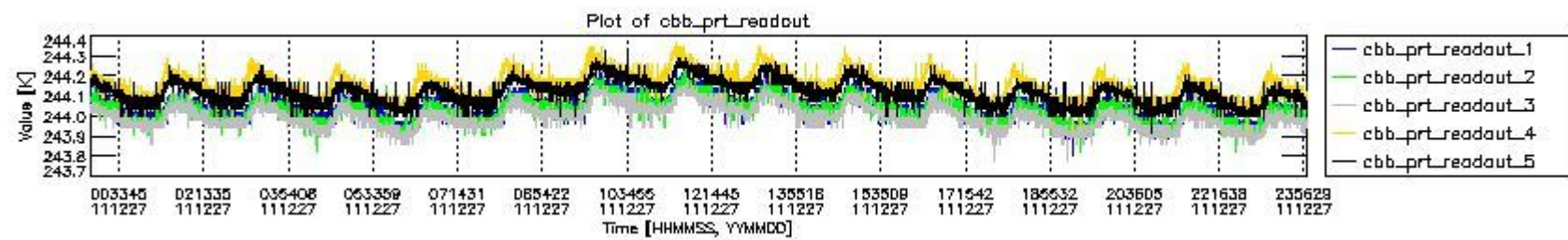




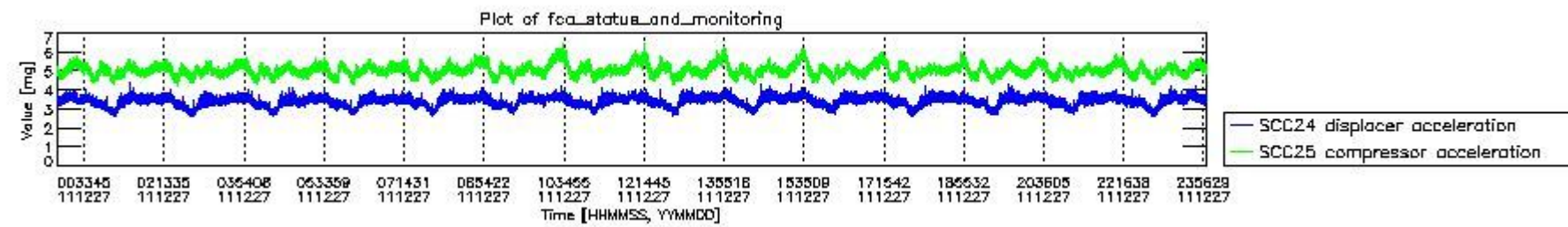
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111227\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111227\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111227\_9.PNG

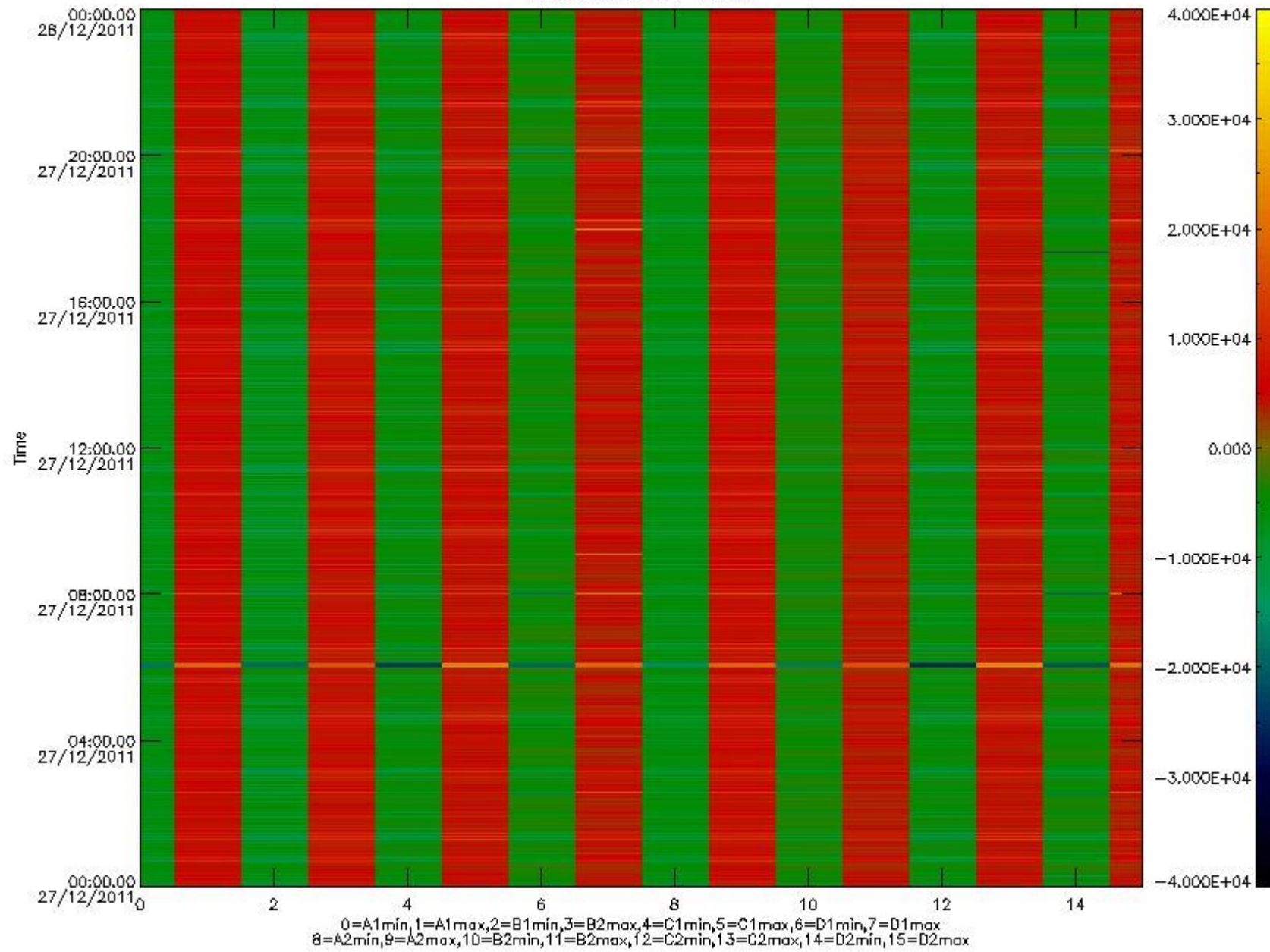


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111227\_10.PNG

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

Channel	Min	Max	ADC
A1	-17947	18968	16bit
B1	-20133	17347	16bit
C1	-24246	24189	16bit
D1	-32073	32767	16bit
A2	-15614	19193	16bit
B2	-17965	17662	16bit
C2	-25232	24947	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\_20111227\_11.PNG

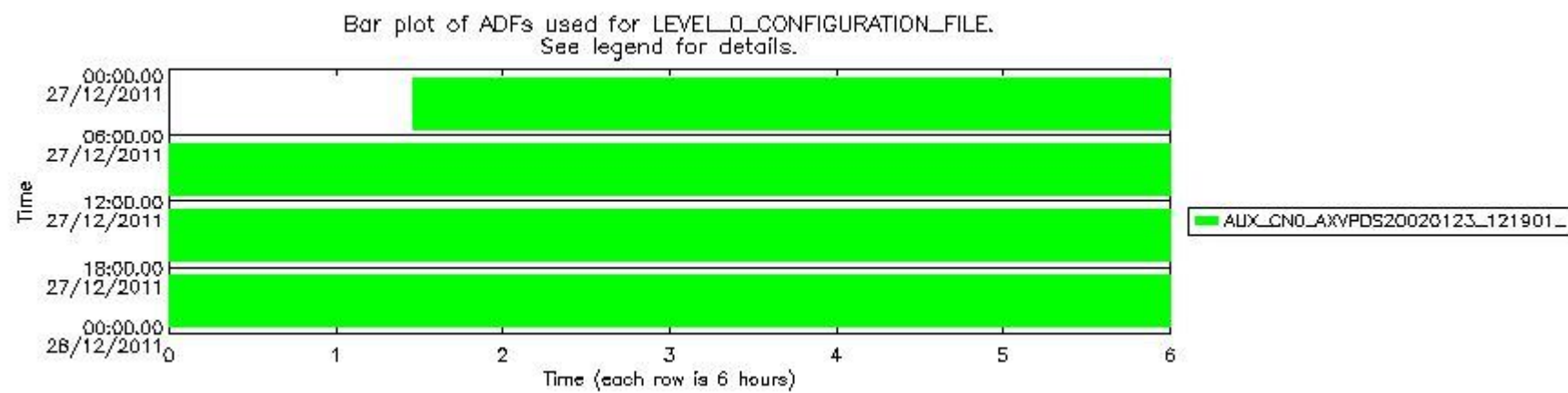
### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

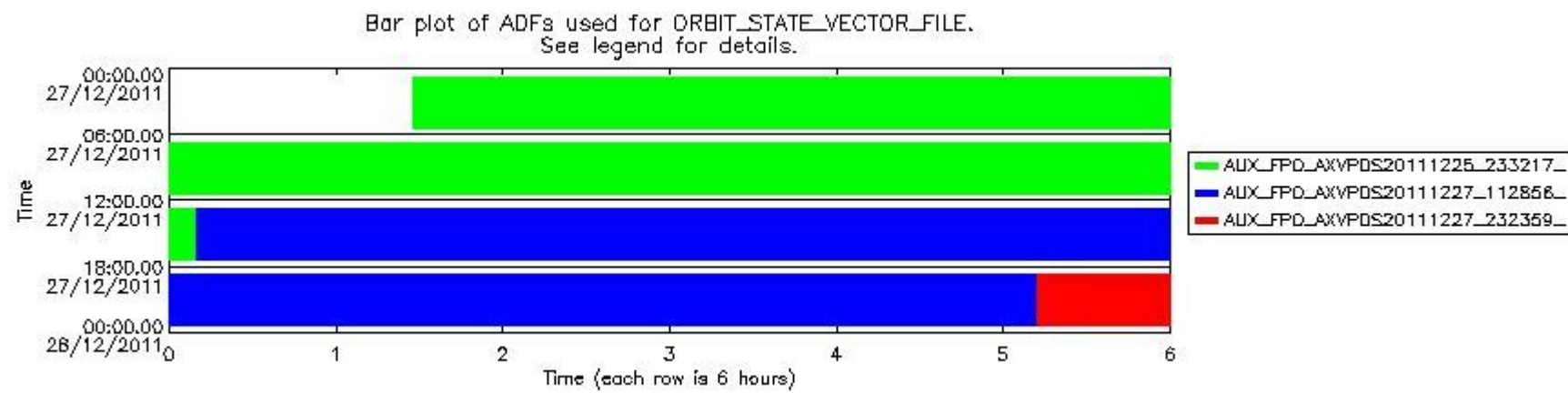
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111225_233217_20111225_193724_20120104_201051
2	AUX_FPO_AXVPDS20111227_112856_20111226_190039_20120105_211420
3	AUX_FPO_AXVPDS20111227_232359_20111227_182354_20120106_203736

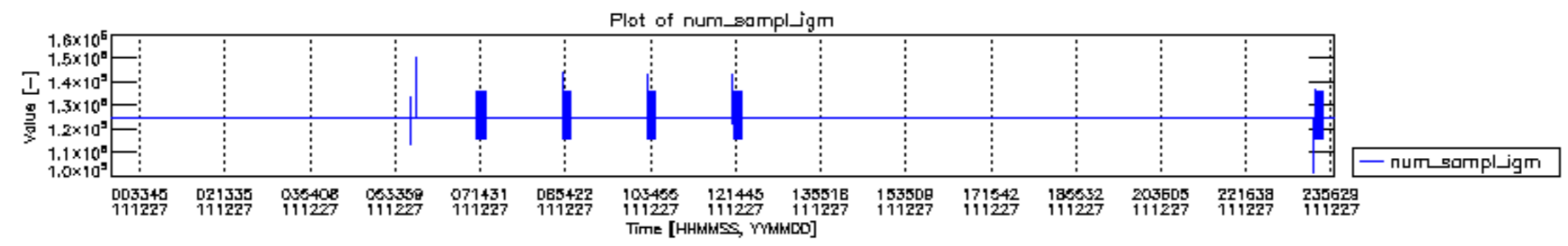
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20111227_012746_000103533110_00074_51381_5220.N1	0	1
1	MIP_NL__0PNPDE20111227_021211_000076883110_00075_51382_0499.N1	0	1
2	MIP_NL__0PNPDE20111227_041945_000062363110_00076_51383_5221.N1	0	1
3	MIP_NL__0PNPDK20111227_060308_000041513110_00077_51384_7909.N1	0	1
4	MIP_NL__0PNPDK20111227_071123_000059613110_00078_51385_7910.N1	0	1
5	MIP_NL__0PNPDK20111227_084923_000060623110_00079_51386_7911.N1	0	1
6	MIP_NL__0PNPDK20111227_102849_000060353110_00080_51387_7912.N1	0	1
7	MIP_NL__0PNPDK20111227_120756_000061043110_00081_51388_7913.N1	0	2
8	MIP_NL__0PNPDK20111227_134841_000059313110_00082_51389_7914.N1	0	2
9	MIP_NL__0PNPDK20111227_152656_000060043110_00083_51390_7915.N1	0	2
10	MIP_NL__0PNPDK20111227_170626_000057093110_00084_51391_7916.N1	0	2
11	MIP_NL__0PNPDK20111227_184029_000060873110_00085_51392_7917.N1	0	2
12	MIP_NL__0PNPDE20111227_201949_000043183110_00086_51393_5222.N1	0	2
13	MIP_NL__0PNPDE20111227_213050_000061403110_00086_51393_5223.N1	0	2
14	MIP_NL__0PNPDE20111227_231213_000060783110_00087_51394_5224.N1	0	3

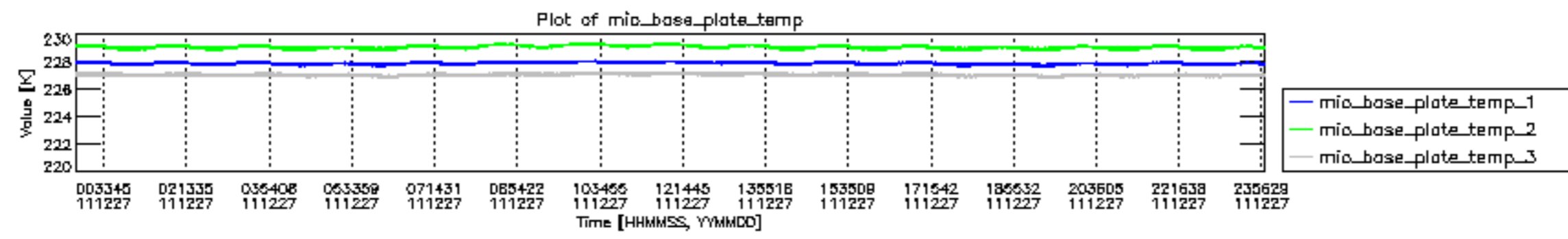


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111227\_12.PNG

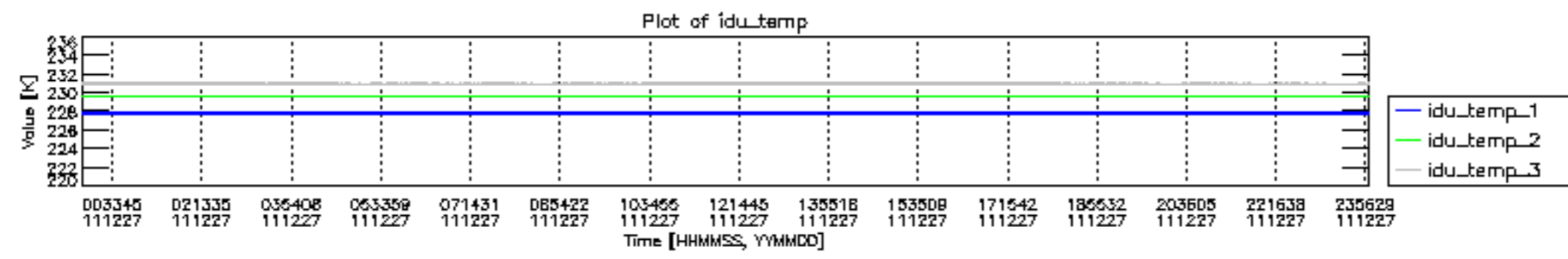


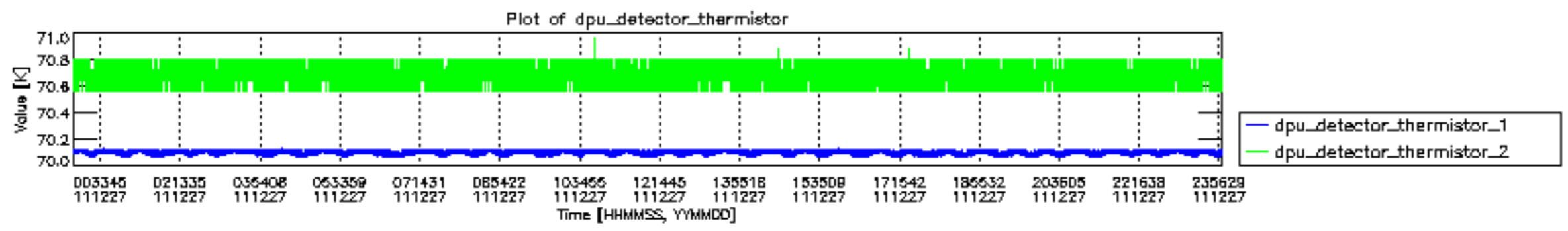
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111227\_13.PNG

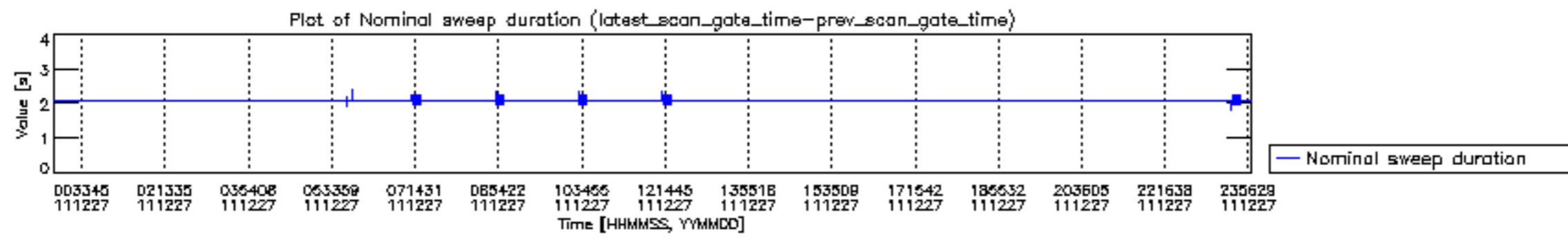


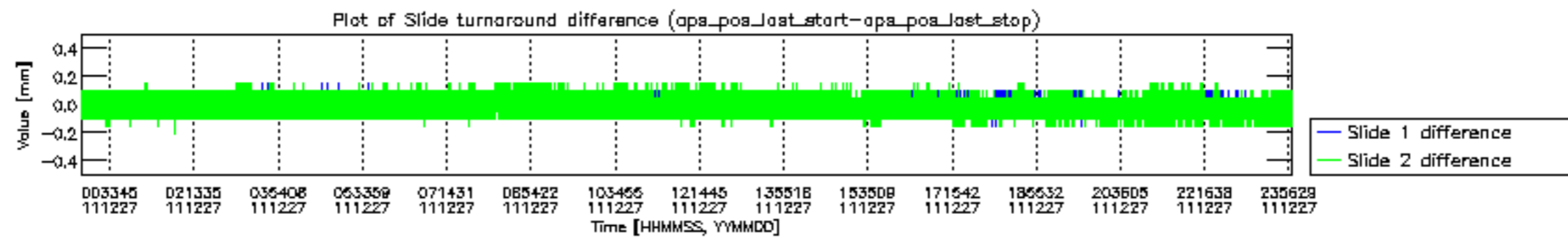


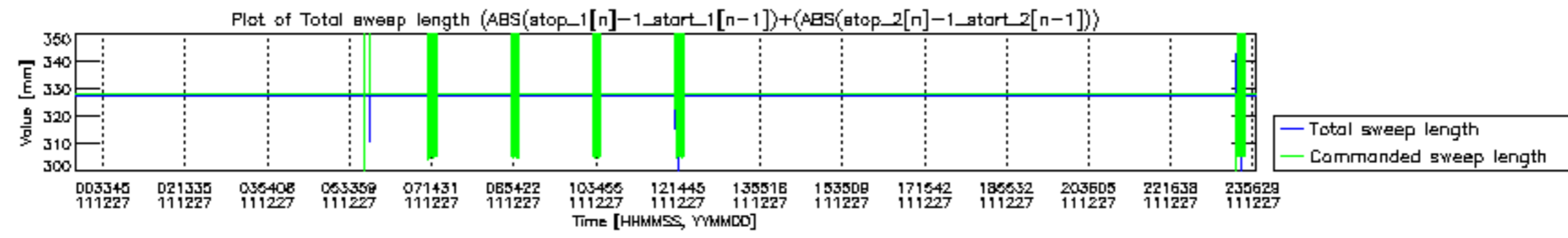




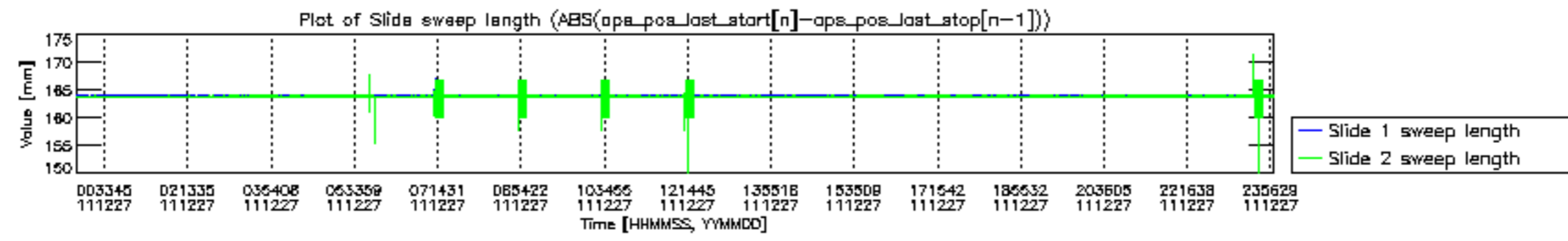


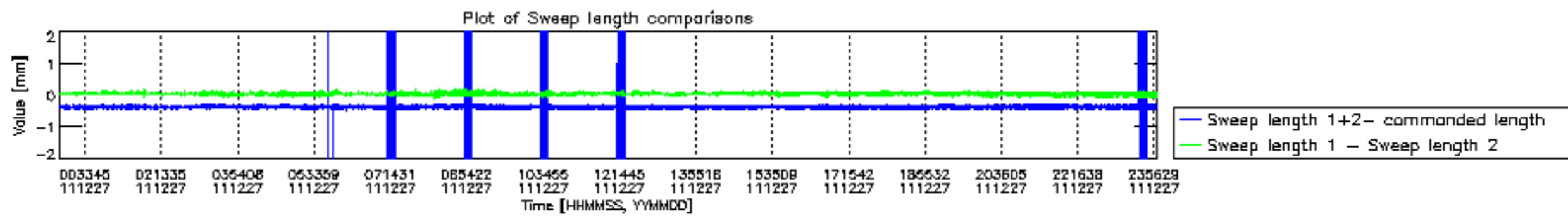


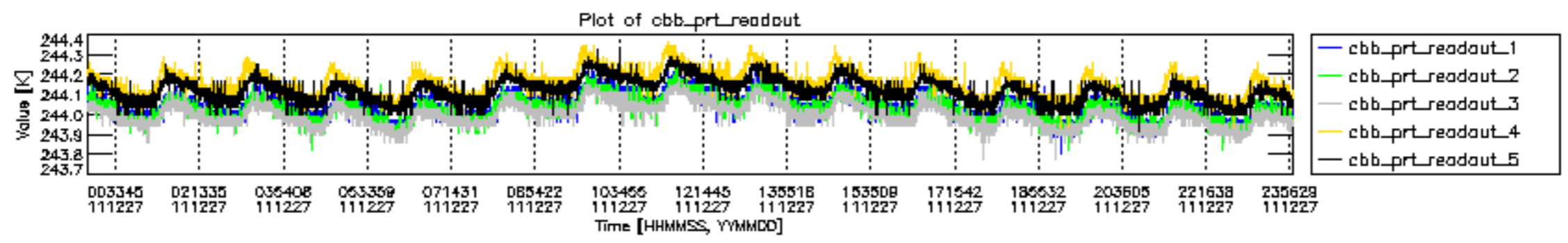


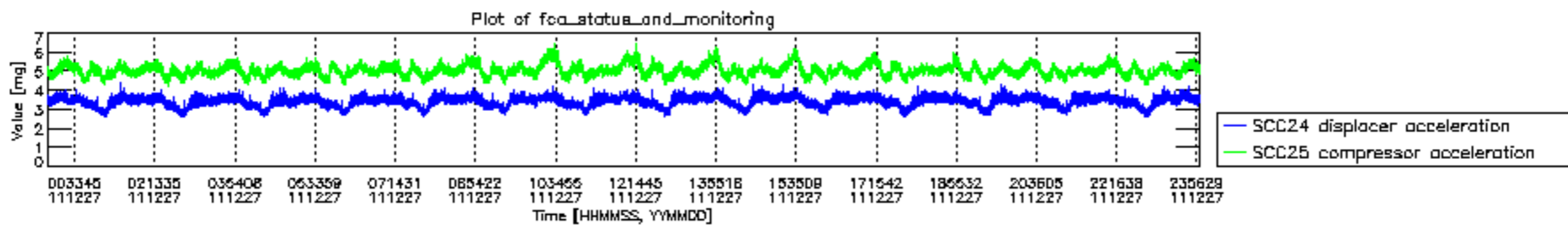












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

