

## 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	12JAN2011 05:26:00
Data source version	KSPT_L0/4504-N
Processing scope for products	07JAN2011 00:00:00 to 08JAN2011 00:00:00
Start time of first product within scope	07JAN2011 01:04:21
Stop time of last product within scope	08JAN2011 00:29:57
Total number of level 0 products	14
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__0PNPDE20110107_010421_000102843098_00160_46295_2666.N1	07JAN2011 01:04:21	07JAN2011 03:55:45	0	0	0	0	0
1	MIP_NL__0PNPDE20110107_035512_000062003098_00162_46297_2667.N1	07JAN2011 03:55:12	07JAN2011 05:38:32	0	0	0	0	0
2	MIP_NL__0PNPDE20110107_053801_000061043098_00163_46298_2668.N1	07JAN2011 05:38:01	07JAN2011 07:19:45	0	0	0	0	0
3	MIP_NL__0PNPDK20110107_071912_000039983098_00164_46299_3915.N1	07JAN2011 07:19:12	07JAN2011 08:25:50	0	0	0	0	0
4	MIP_NL__0PNPDK20110107_082450_000061153098_00165_46300_3916.N1	07JAN2011 08:24:50	07JAN2011 10:06:44	0	0	0	0	0
5	MIP_NL__0PNPDK20110107_100508_000060713098_00166_46301_3917.N1	07JAN2011 10:05:08	07JAN2011 11:46:19	0	0	0	0	0
6	MIP_NL__0PNPDK20110107_114445_000060313098_00167_46302_3918.N1	07JAN2011 11:44:45	07JAN2011 13:25:16	0	0	0	0	0
7	MIP_NL__0PNPDK20110107_132358_000058603098_00168_46303_3919.N1	07JAN2011 13:23:58	07JAN2011 15:01:38	0	0	0	0	0
8	MIP_NL__0PNPDK20110107_150054_000059203098_00169_46304_3920.N1	07JAN2011 15:00:54	07JAN2011 16:39:34	0	0	0	0	0
9	MIP_NL__0PNPDK20110107_163826_000059953098_00170_46305_3921.N1	07JAN2011 16:38:26	07JAN2011 18:18:21	0	0	0	0	0
10	MIP_NL__0PNPDK20110107_181723_000059123098_00171_46306_3922.N1	07JAN2011 18:17:23	07JAN2011 19:55:54	0	0	0	0	0
11	MIP_NL__0PNPDE20110107_195402_000041033098_00172_46307_2669.N1	07JAN2011 19:54:02	07JAN2011 21:02:24	0	0	0	0	0
12	MIP_NL__0PNPDE20110107_210130_000065373098_00172_46307_2670.N1	07JAN2011 21:01:30	07JAN2011 22:50:27	0	0	0	0	0
13	MIP_NL__0PNPDE20110107_224924_000060333098_00173_46308_2671.N1	07JAN2011 22:49:24	08JAN2011 00:29:57	0	0	0	0	0

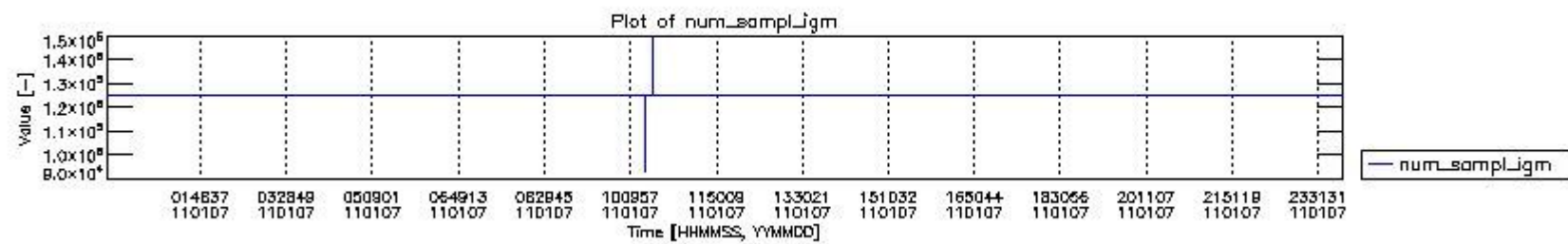
## 0.2 Instrument Operational Performance Parameters

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.

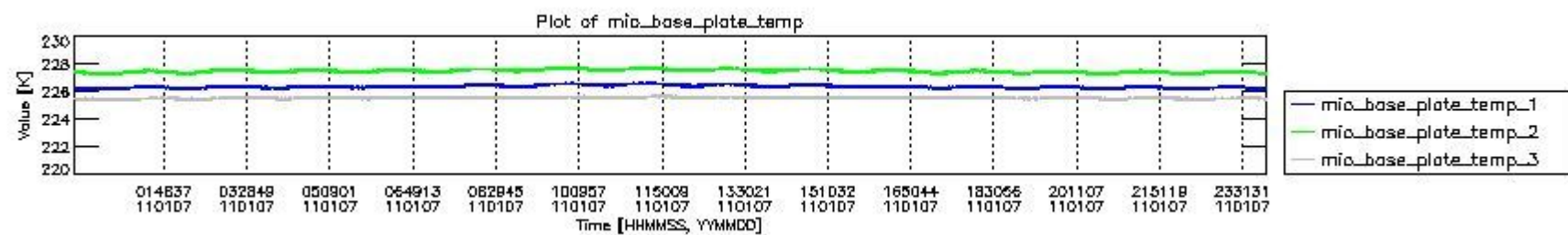
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
92854	1	0.0024014216
98761	1	0.0024014216
118893	1	0.0024014216
124800	38674	92.872581

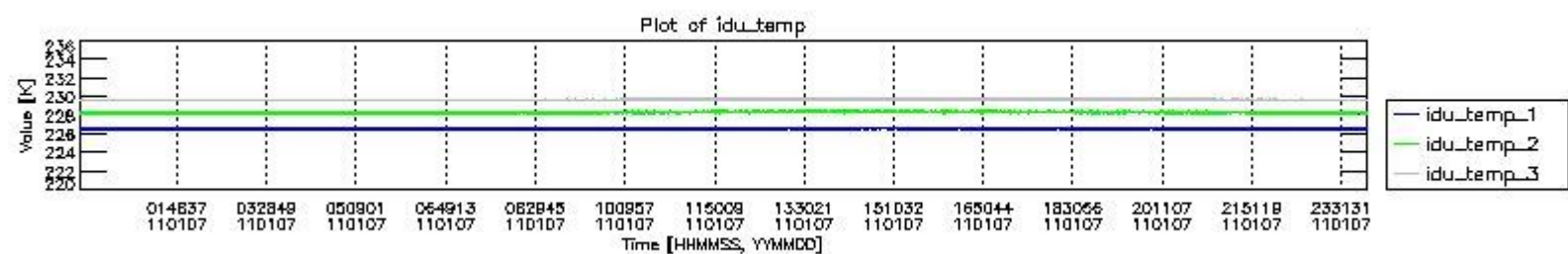
124803	2962	7.1130109
127308	1	0.0024014216
147440	1	0.0024014216
149948	1	0.0024014216



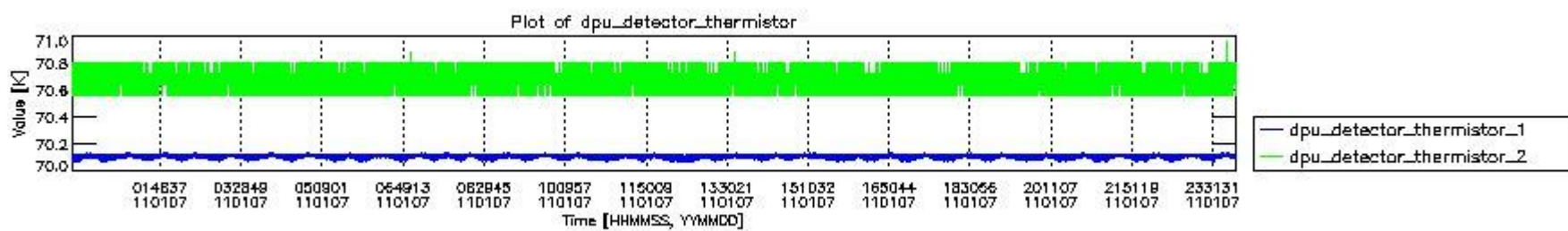
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110107\_0.PNG



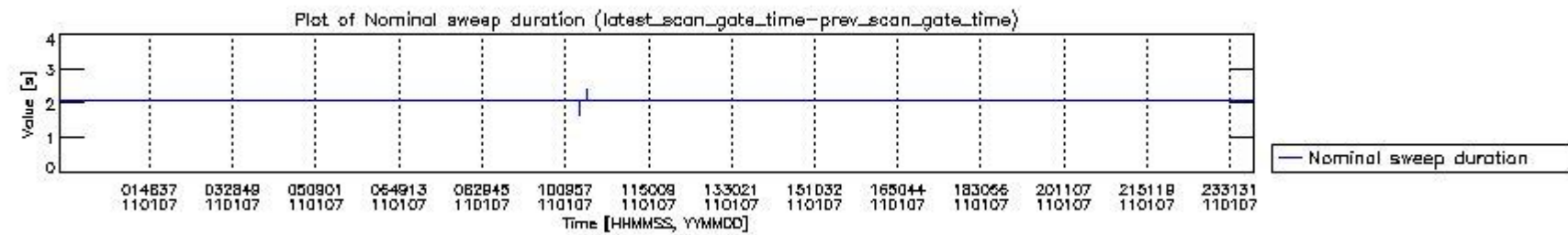
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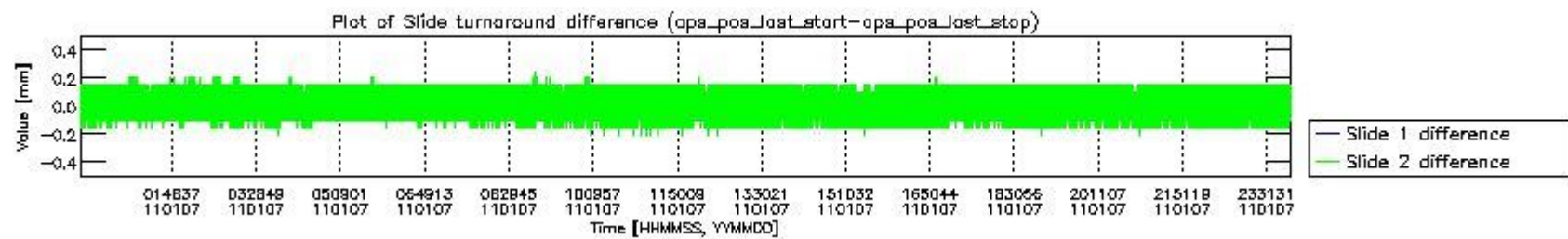
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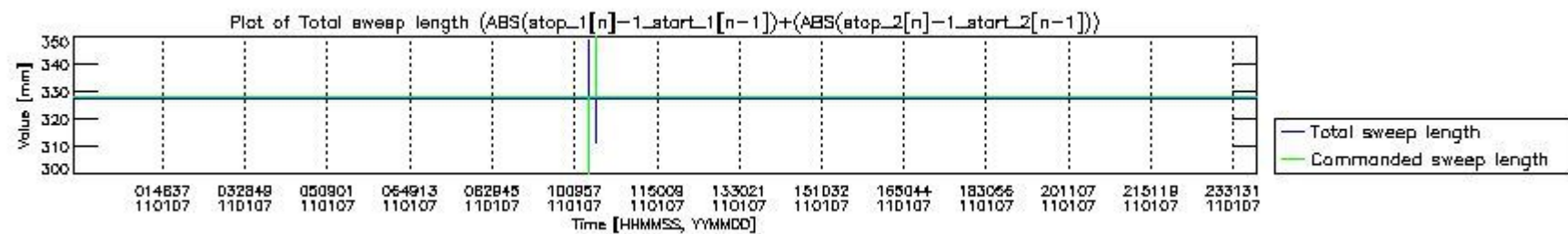
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110107\_3.PNG



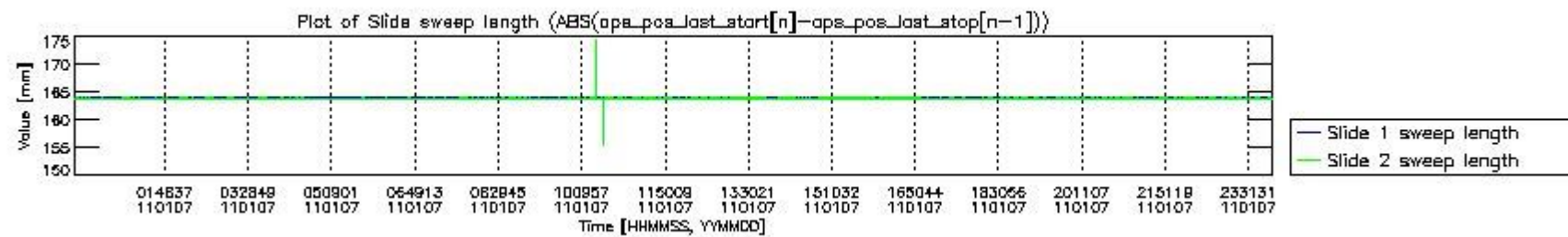
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110107\_4.PNG



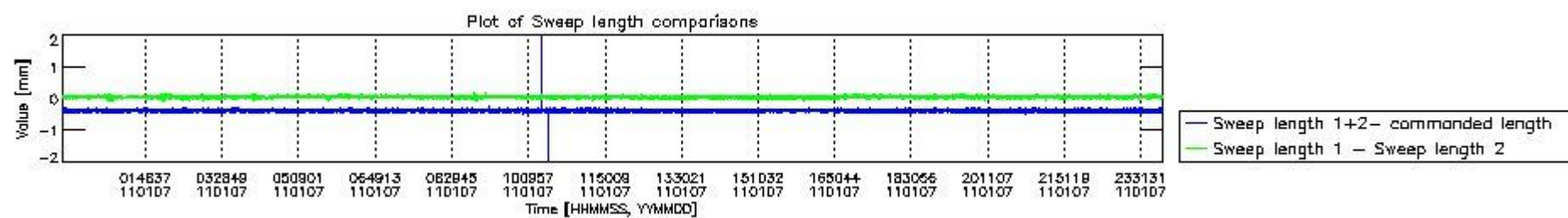
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110107\_5.PNG



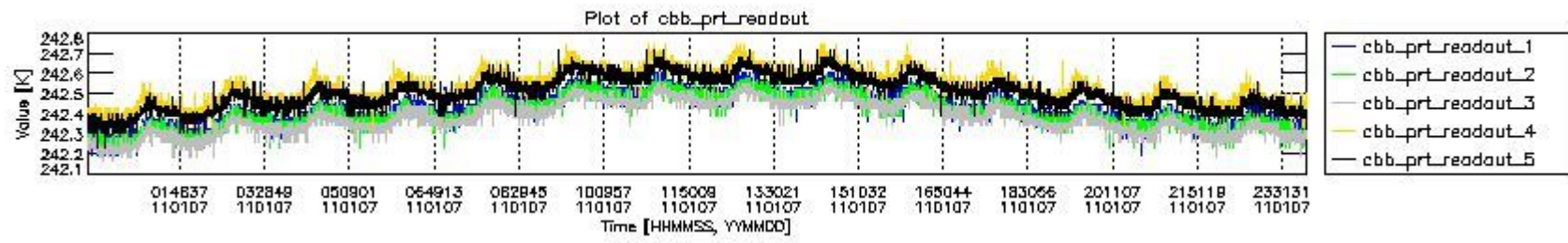
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110107\_6.PNG



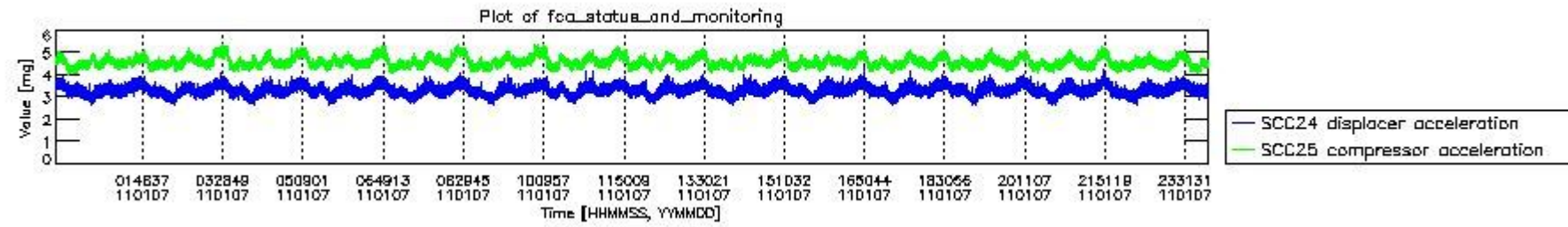
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110107\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110107\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110107\_9.PNG

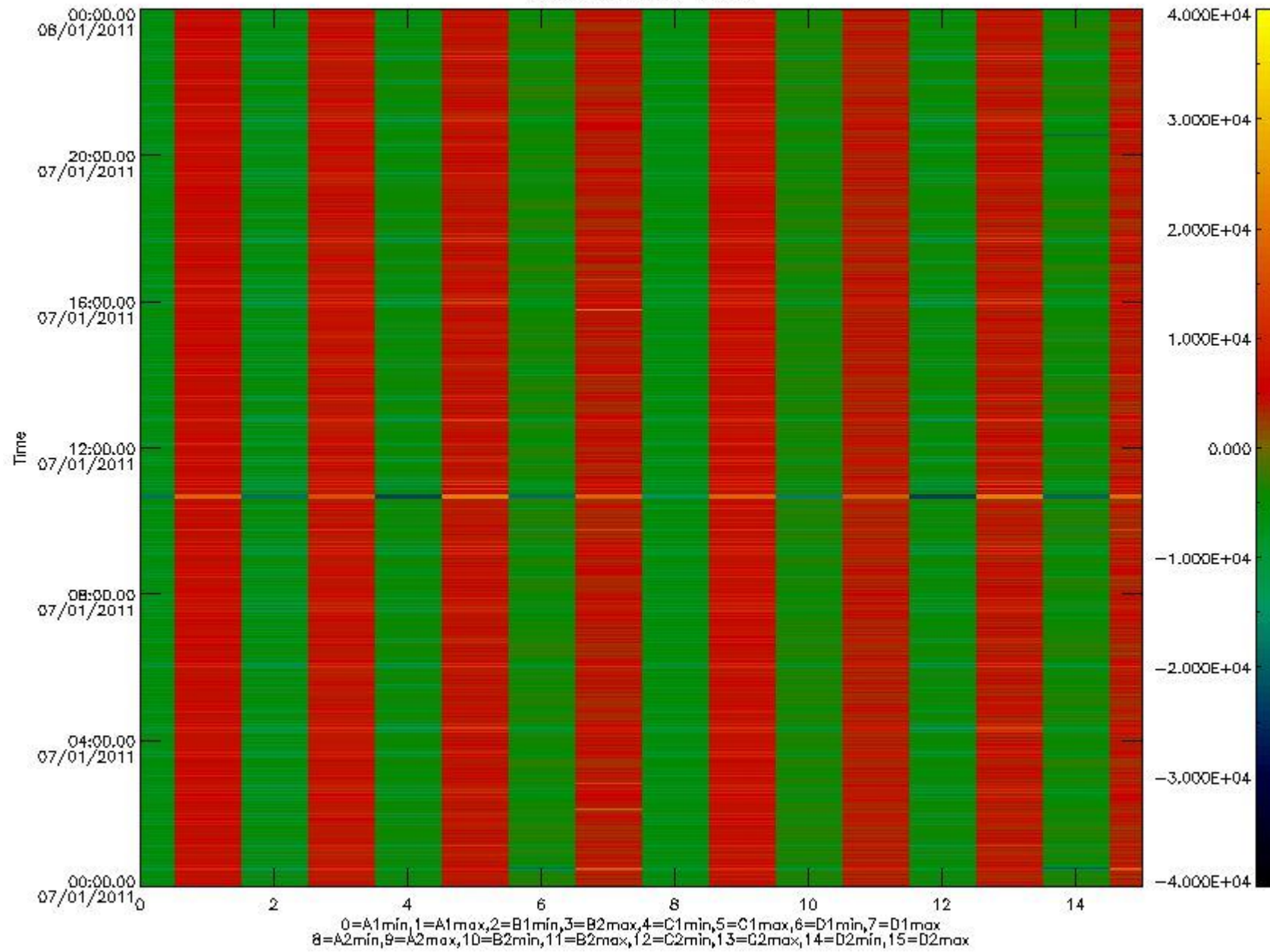


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110107\_10.PNG

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

Channel	Min	Max	ADC
A1	-17850	18930	16bit
B1	-19360	16783	16bit
C1	-23996	22811	16bit
D1	-29421	32767	16bit
A2	-15456	19030	16bit
B2	-17468	17161	16bit
C2	-23837	23500	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\_20110107\_11.PNG

### 0.3 ADF monitoring

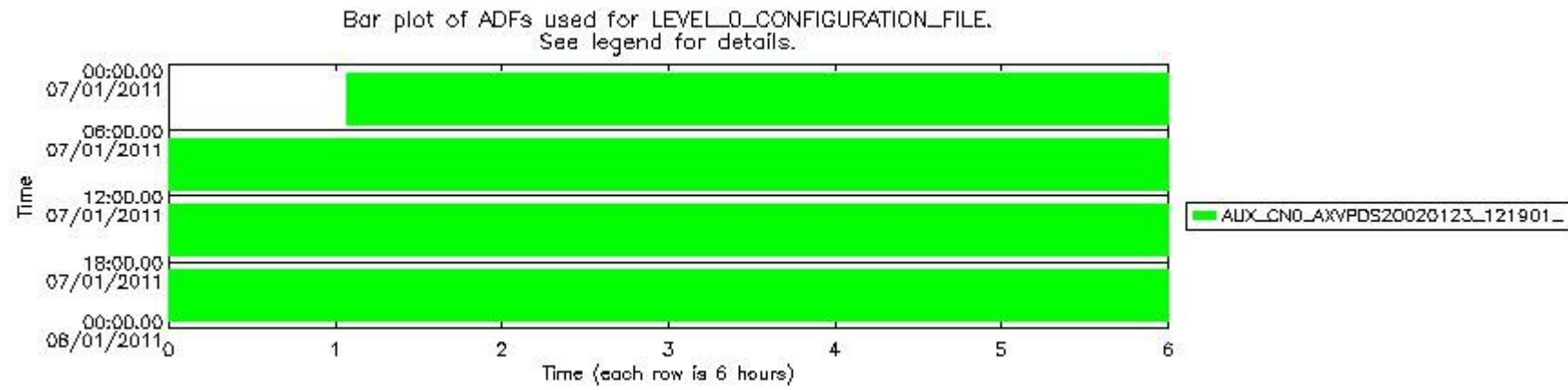
The use of ADFs is shown in two ways:

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.

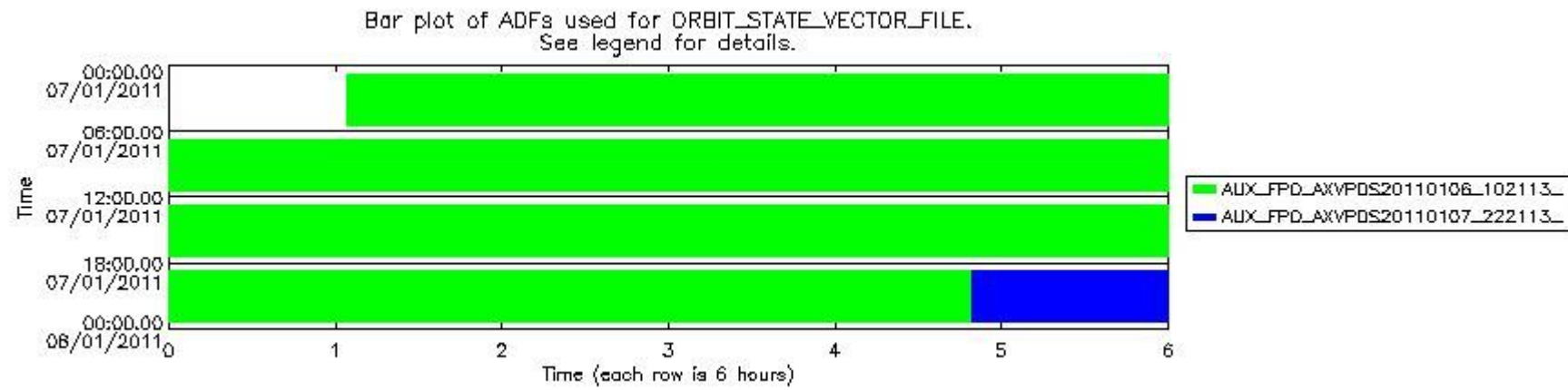
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110106_102113_20110105_191226_20110115_212618
2	AUX_FPO_AXVPDS20110107_222113_20110107_193912_20110117_201250

Number	Product name	#CN0	#FPO
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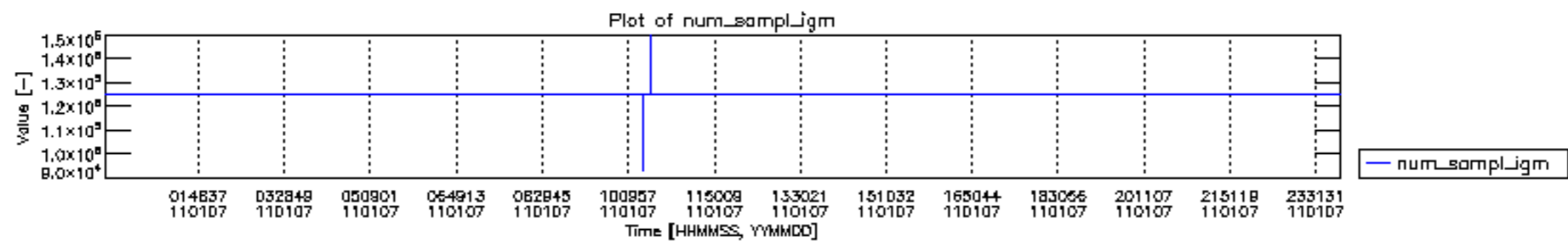
0	MIP_NL__0PNPDE20110107_010421_000102843098_00160_46295_2666.N1	0	1
1	MIP_NL__0PNPDE20110107_035512_000062003098_00162_46297_2667.N1	0	1
2	MIP_NL__0PNPDE20110107_053801_000061043098_00163_46298_2668.N1	0	1
3	MIP_NL__0PNPDK20110107_071912_000039983098_00164_46299_3915.N1	0	1
4	MIP_NL__0PNPDK20110107_082450_000061153098_00165_46300_3916.N1	0	1
5	MIP_NL__0PNPDK20110107_100508_000060713098_00166_46301_3917.N1	0	1
6	MIP_NL__0PNPDK20110107_114445_000060313098_00167_46302_3918.N1	0	1
7	MIP_NL__0PNPDK20110107_132358_000058603098_00168_46303_3919.N1	0	1
8	MIP_NL__0PNPDK20110107_150054_000059203098_00169_46304_3920.N1	0	1
9	MIP_NL__0PNPDK20110107_163826_000059953098_00170_46305_3921.N1	0	1
10	MIP_NL__0PNPDK20110107_181723_000059123098_00171_46306_3922.N1	0	1
11	MIP_NL__0PNPDE20110107_195402_000041033098_00172_46307_2669.N1	0	1
12	MIP_NL__0PNPDE20110107_210130_000065373098_00172_46307_2670.N1	0	1
13	MIP_NL__0PNPDE20110107_224924_000060333098_00173_46308_2671.N1	0	2

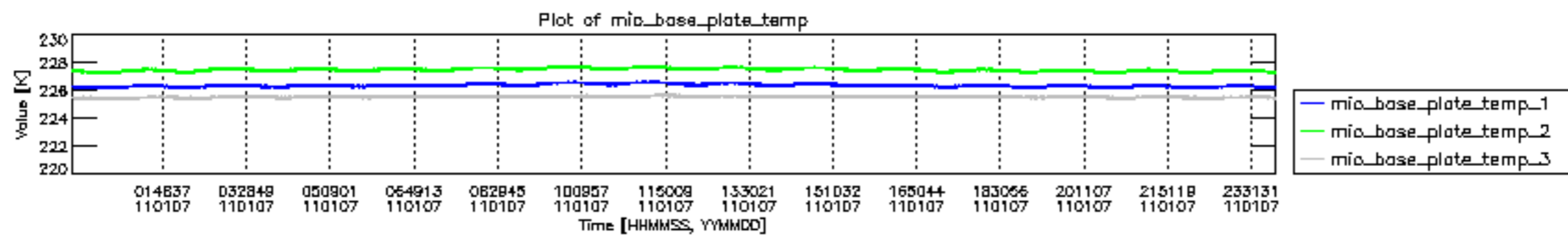


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110107\_12.PNG

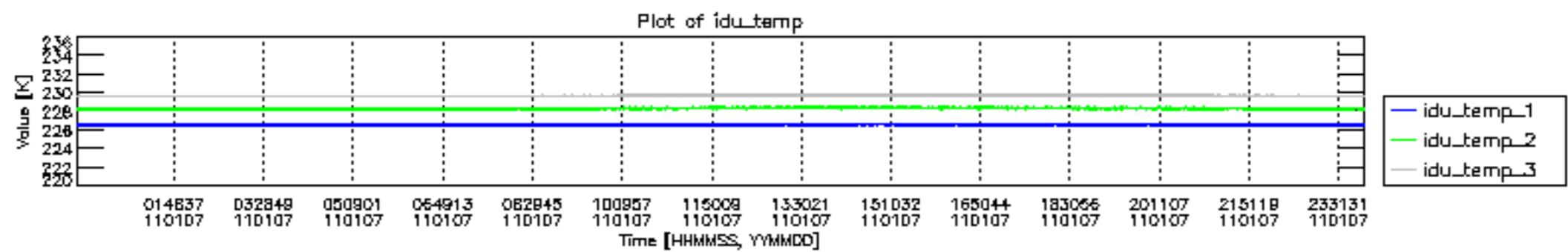


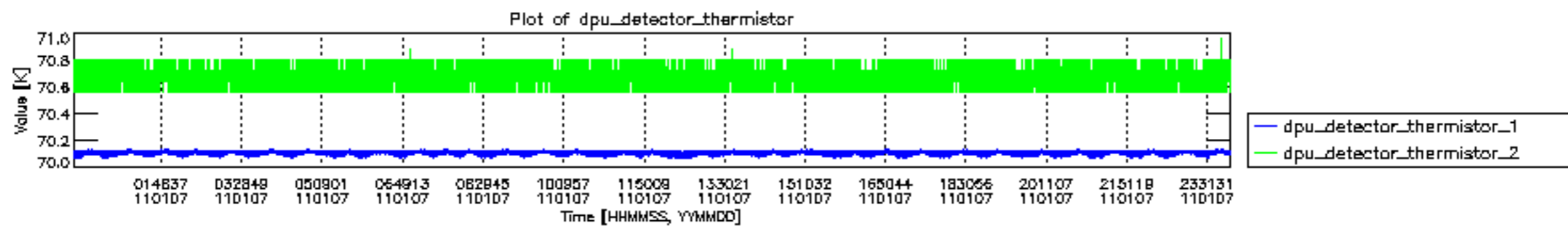
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110107\_13.PNG

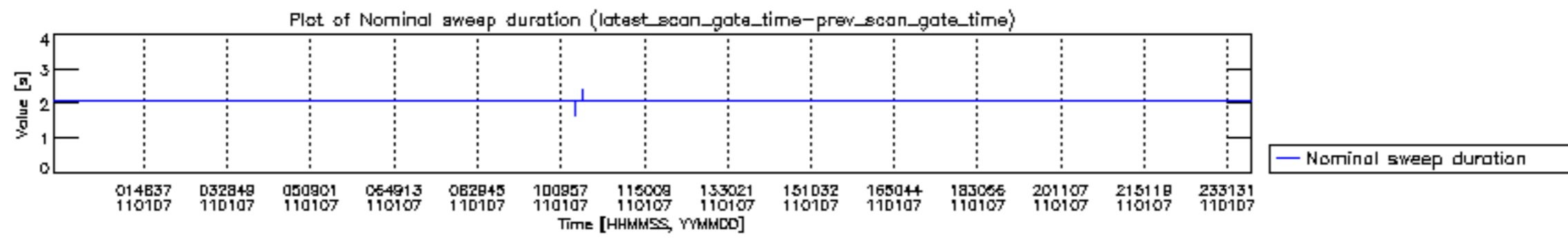


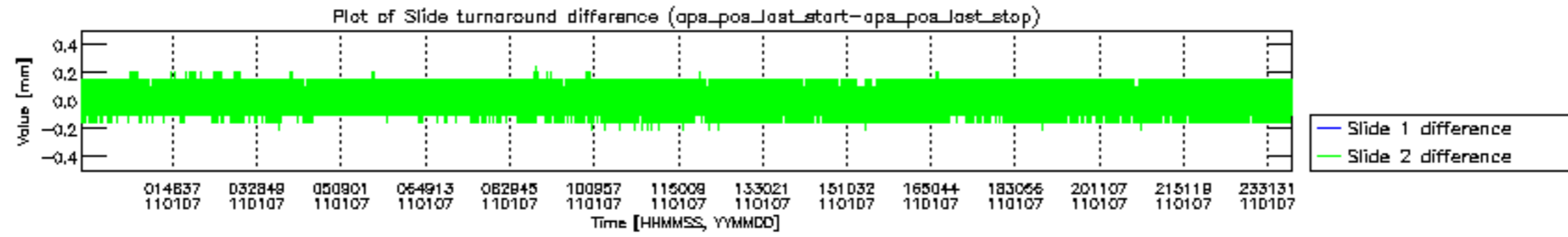


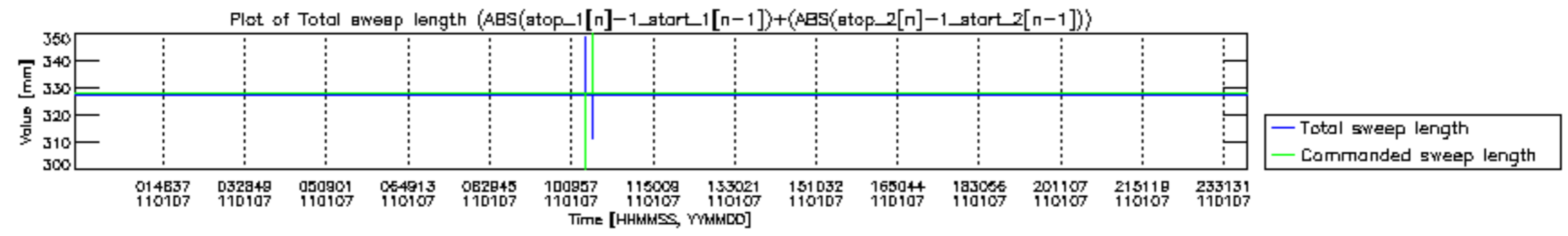


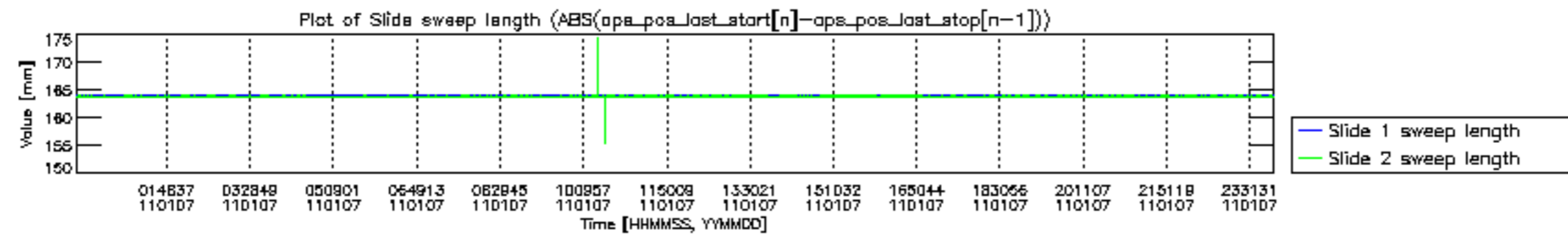


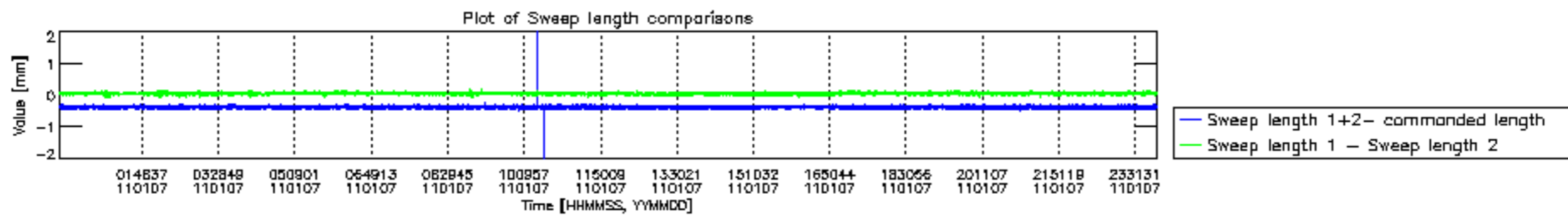


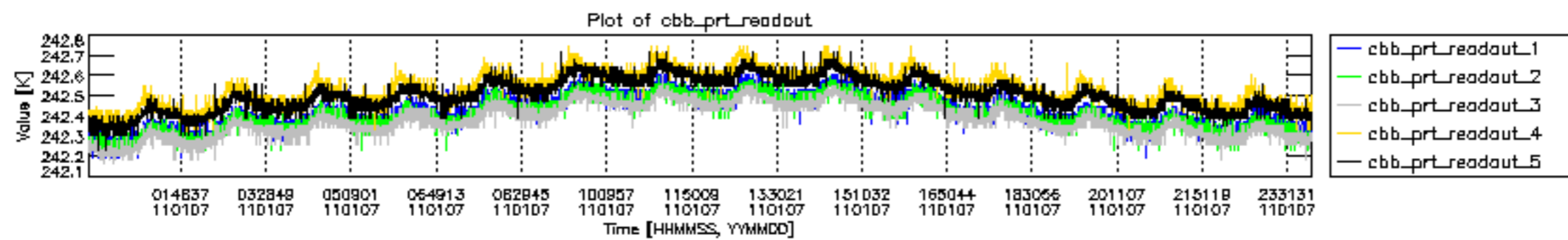




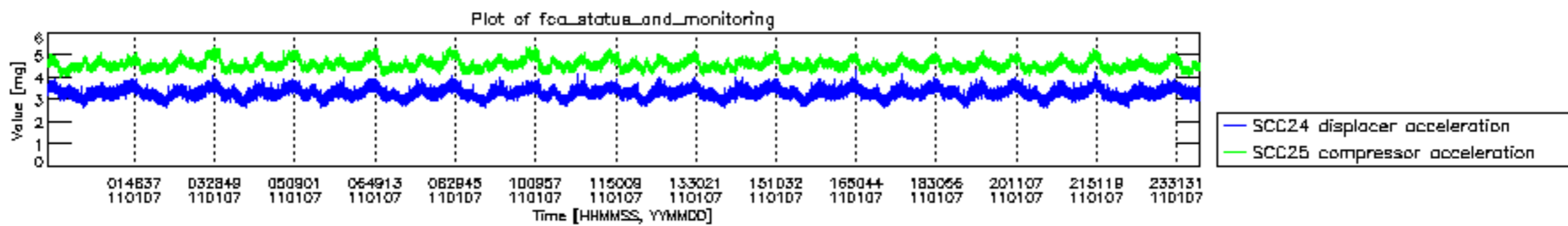












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

