

## 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	07JAN2011 05:25:11
Data source version	KSPT_L0/4504-N
Processing scope for products	02JAN2011 00:00:00 to 03JAN2011 00:00:00
Start time of first product within scope	02JAN2011 08:20:14
Stop time of last product within scope	03JAN2011 00:11:28
Total number of level 0 products	10
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__0PNPDK20110102_082014_000054693098_00093_46228_3837.N1	02JAN2011 08:20:14	02JAN2011 09:51:23	0	0	0	0	0
1	MIP_NL__0PNPDK20110102_094947_000060213098_00094_46229_3838.N1	02JAN2011 09:49:47	02JAN2011 11:30:07	0	0	0	0	0
2	MIP_NL__0PNPDK20110102_112825_000059663098_00095_46230_3839.N1	02JAN2011 11:28:25	02JAN2011 13:07:51	0	0	0	0	0
3	MIP_NL__0PNPDK20110102_130642_000059163098_00096_46231_3840.N1	02JAN2011 13:06:42	02JAN2011 14:45:18	0	0	0	0	0
4	MIP_NL__0PNPDK20110102_144432_000059793098_00097_46232_3841.N1	02JAN2011 14:44:32	02JAN2011 16:24:11	0	0	0	0	0
5	MIP_NL__0PNPDK20110102_162315_000059023098_00098_46233_3842.N1	02JAN2011 16:23:15	02JAN2011 18:01:36	0	0	0	0	0
6	MIP_NL__0PNPDK20110102_180036_000059853098_00099_46234_3843.N1	02JAN2011 18:00:36	02JAN2011 19:40:21	0	0	0	0	0
7	MIP_NL__0PNPDE20110102_193904_000040053098_00100_46235_2636.N1	02JAN2011 19:39:04	02JAN2011 20:45:48	0	0	0	0	0
8	MIP_NL__0PNPDE20110102_204412_000063923098_00100_46235_2637.N1	02JAN2011 20:44:12	02JAN2011 22:30:45	0	0	0	0	0
9	MIP_NL__0PNPDE20110102_222913_000061363098_00101_46236_2638.N1	02JAN2011 22:29:13	03JAN2011 00:11:28	0	0	0	0	0

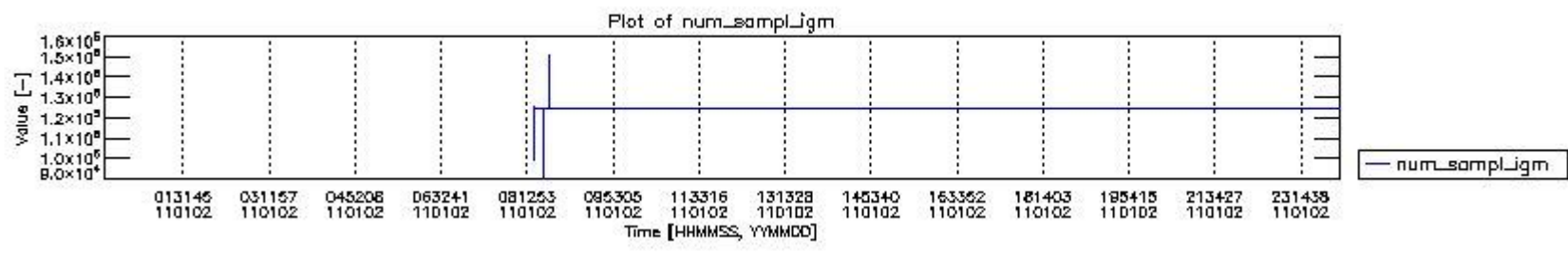
## 0.2 Instrument Operational Performance Parameters

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.

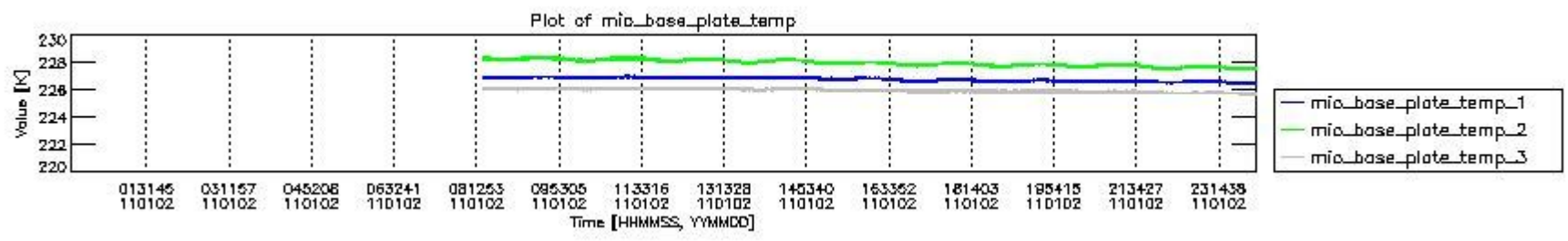
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
90326	1	0.0036703982
97497	1	0.0036703982
99665	1	0.0036703982
117629	1	0.0036703982
124800	25310	92.897779
124803	1926	7.0691870
124917	1	0.0036703982
125034	1	0.0036703982

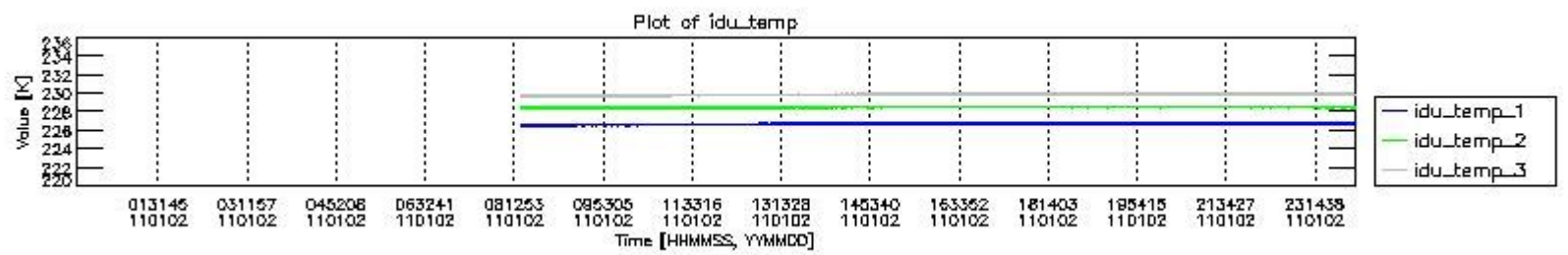
127605	1	0.0036703982
147737	1	0.0036703982
150542	1	0.0036703982



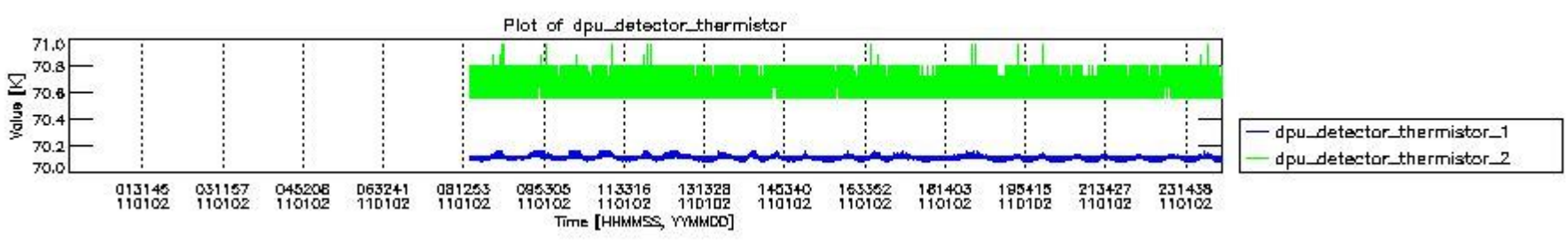
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110102\_0.PNG



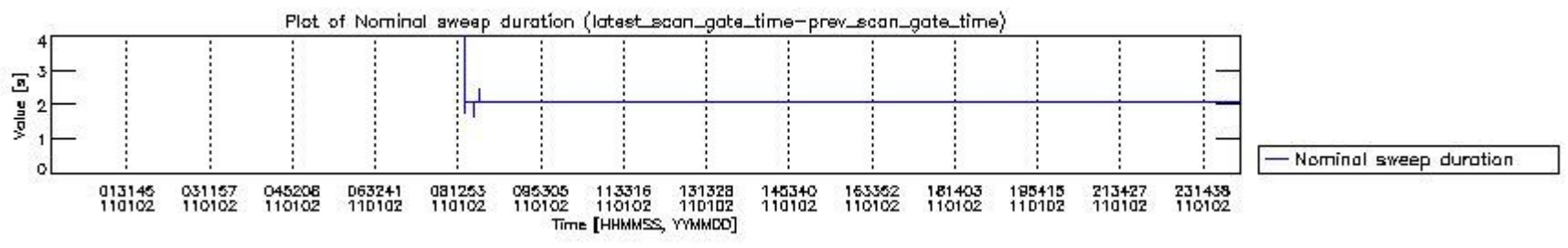
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110102\_1.PNG



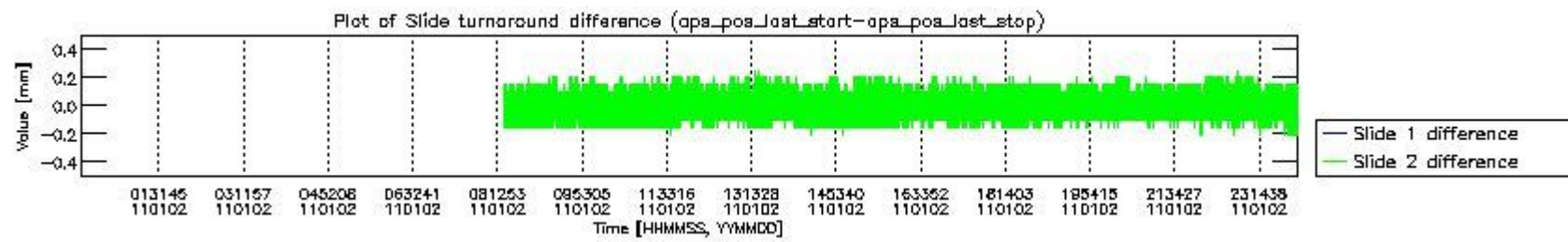
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110102\_2.PNG



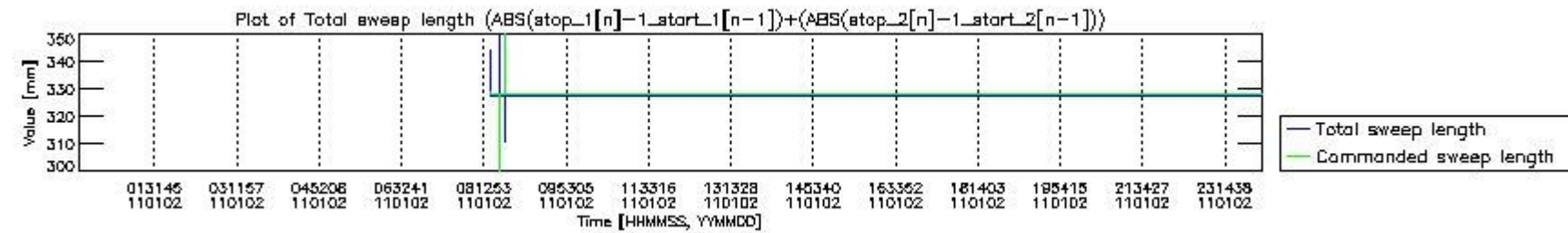
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110102\_3.PNG



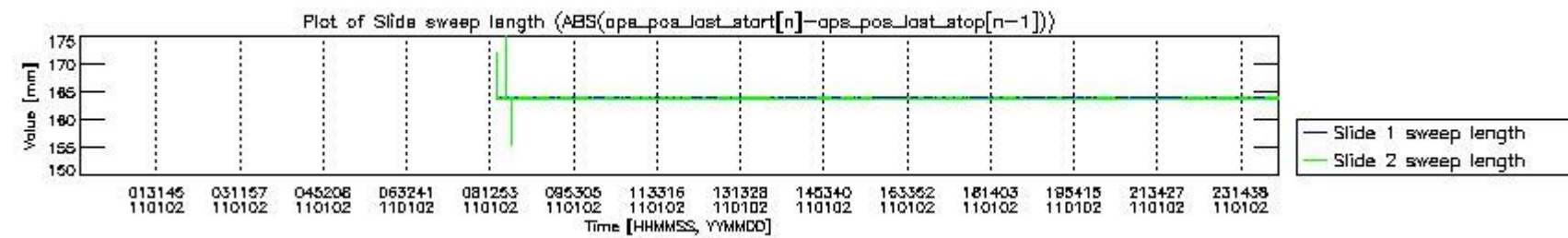
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110102\_4.PNG



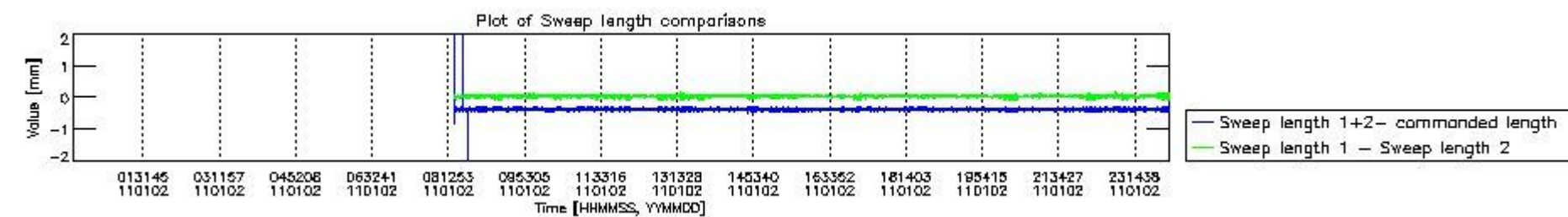
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110102\_5.PNG



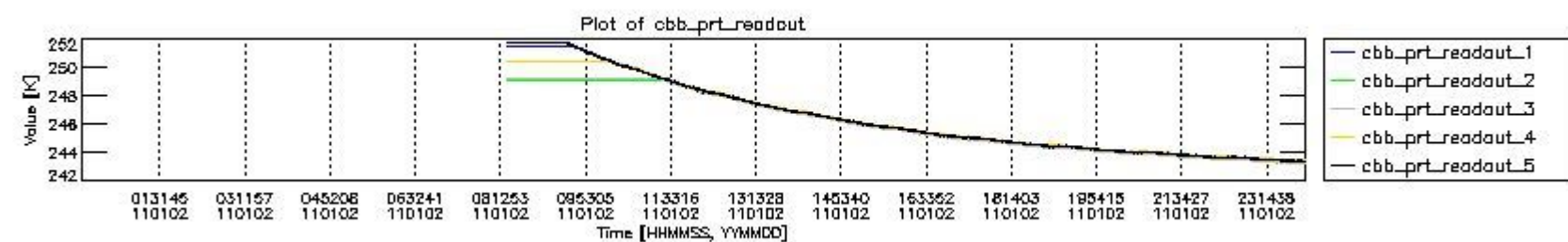
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110102\_6.PNG



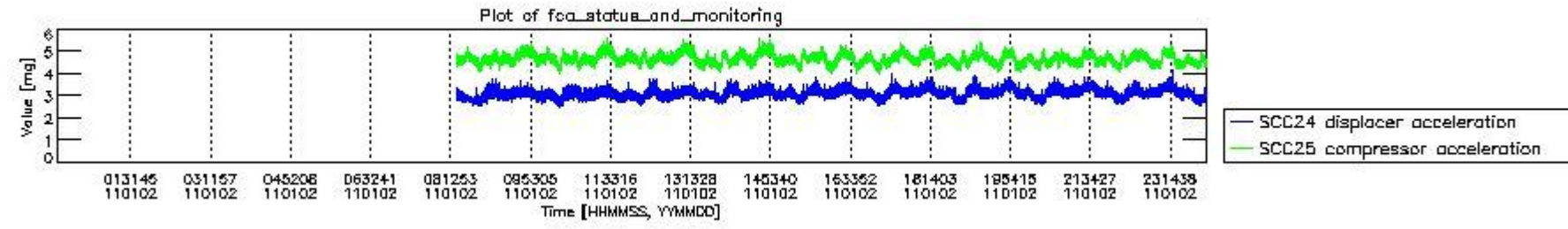
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110102\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110102\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110102\_9.PNG



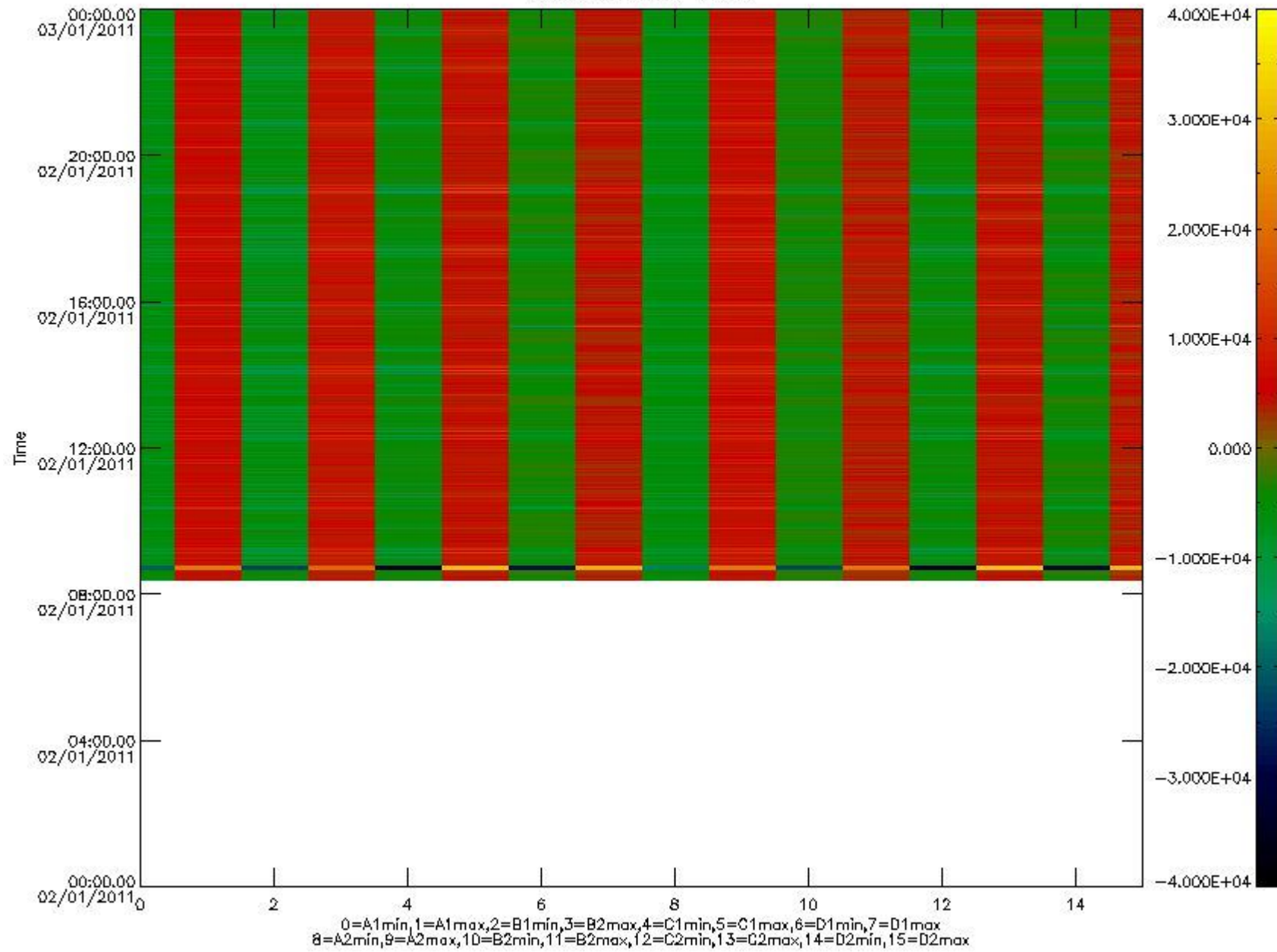
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110102\_10.PNG

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

Channel	Min	Max	ADC
A1	-20322	22042	16bit
B1	-24189	20586	16bit
C1	-32585	32418	16bit
D1	-29112	32593	16bit
A2	-17527	22331	16bit
B2	-22829	22191	16bit
C2	-32768	32767	16bit
D2	-32768	31981	16bit



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



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110102\_11.PNG

### 0.3 ADF monitoring

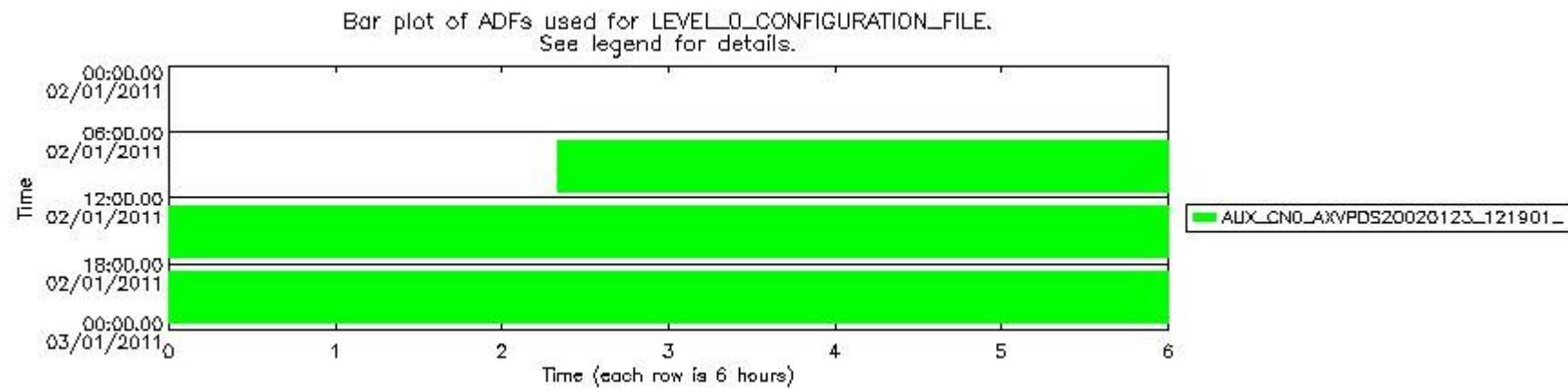
The use of ADFs is shown in two ways:

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.

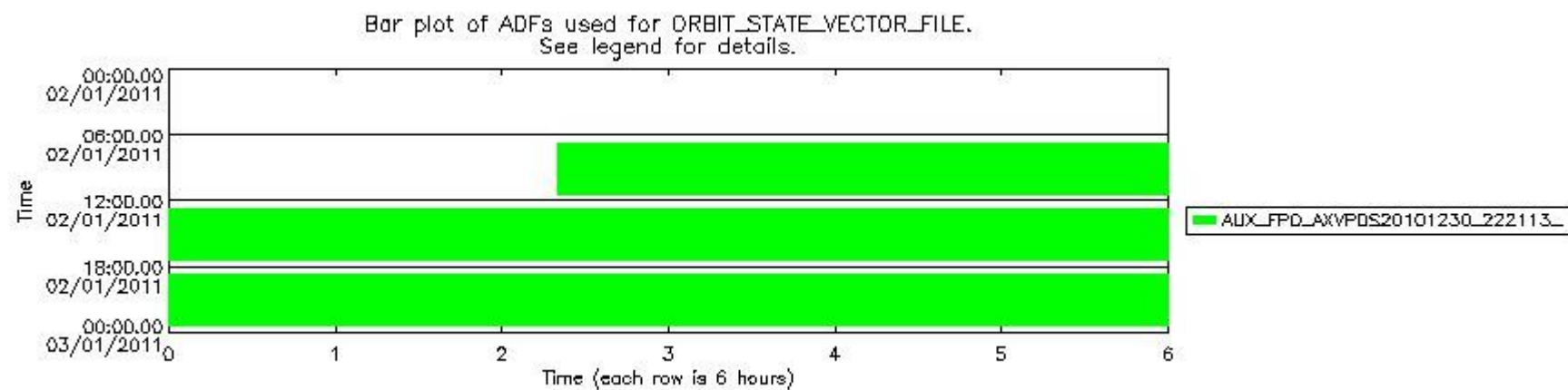
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101230_222113_20101230_193220_20110109_200559

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDK20110102_082014_000054693098_00093_46228_3837.N1	0	1

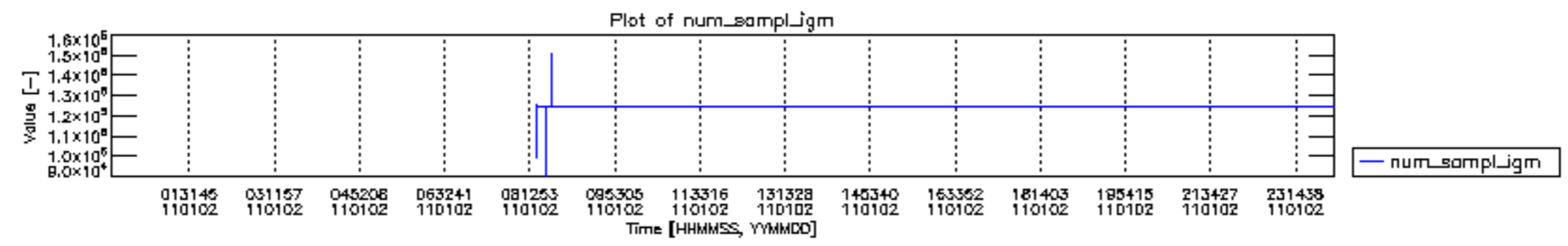
1	MIP_NL__0PNPDK20110102_094947_000060213098_00094_46229_3838.N1	0	1
2	MIP_NL__0PNPDK20110102_112825_000059663098_00095_46230_3839.N1	0	1
3	MIP_NL__0PNPDK20110102_130642_000059163098_00096_46231_3840.N1	0	1
4	MIP_NL__0PNPDK20110102_144432_000059793098_00097_46232_3841.N1	0	1
5	MIP_NL__0PNPDK20110102_162315_000059023098_00098_46233_3842.N1	0	1
6	MIP_NL__0PNPDK20110102_180036_000059853098_00099_46234_3843.N1	0	1
7	MIP_NL__0PNPDE20110102_193904_000040053098_00100_46235_2636.N1	0	1
8	MIP_NL__0PNPDE20110102_204412_000063923098_00100_46235_2637.N1	0	1
9	MIP_NL__0PNPDE20110102_222913_000061363098_00101_46236_2638.N1	0	1

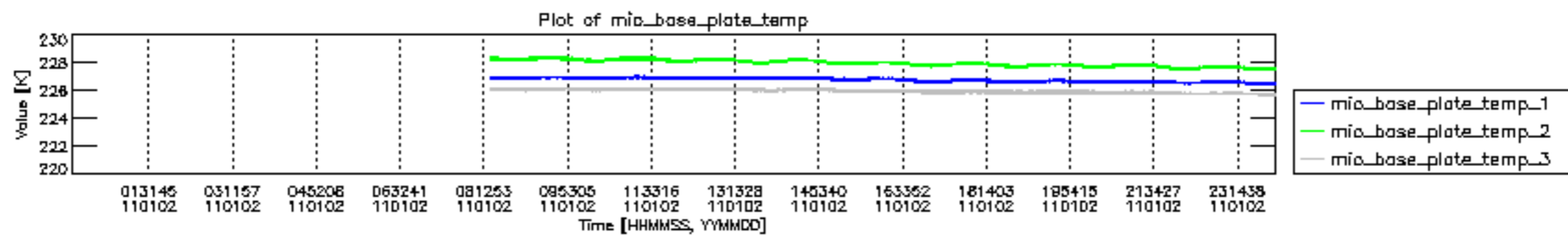


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110102\_12.PNG

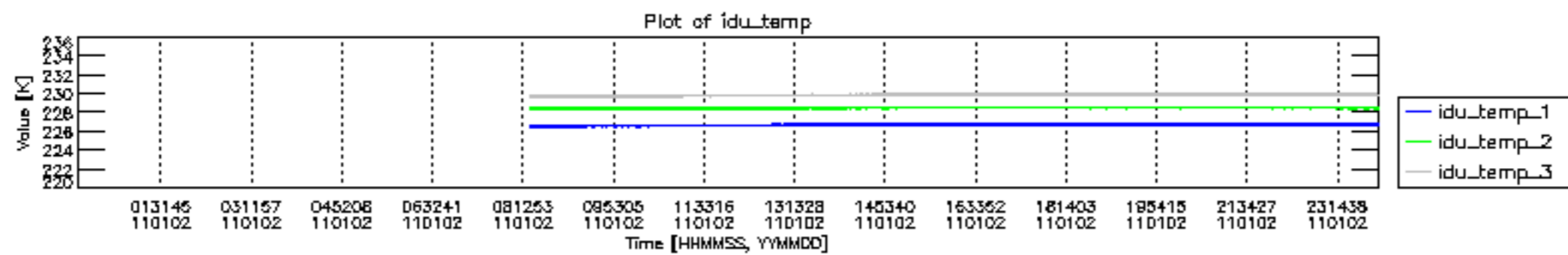


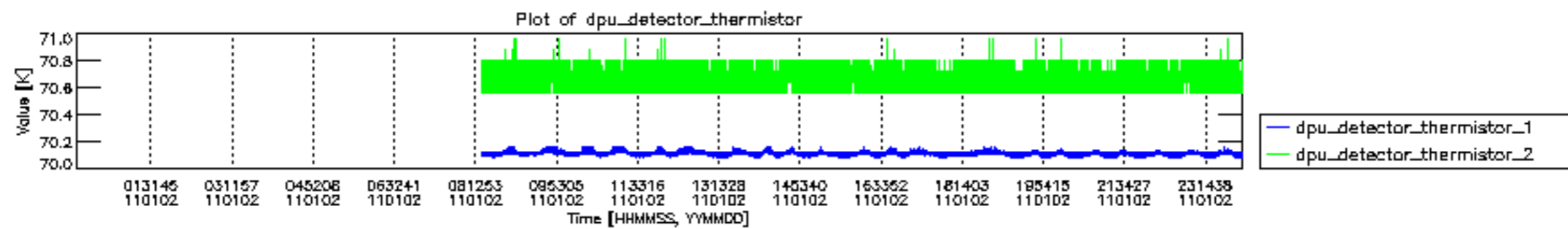
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110102\_13.PNG

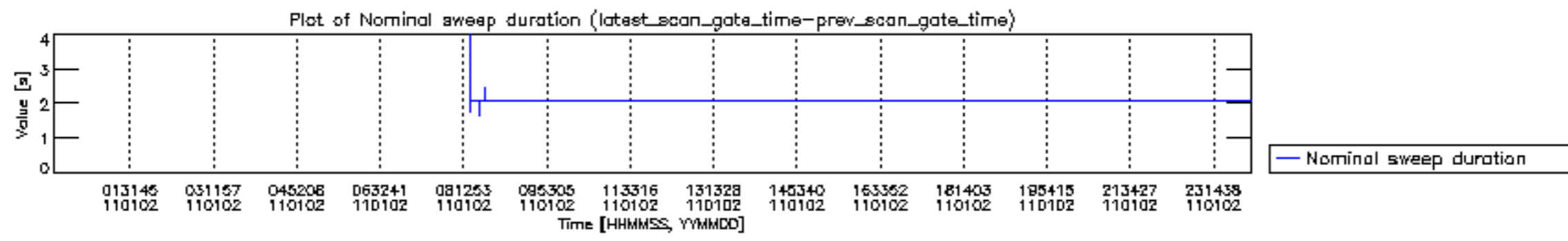


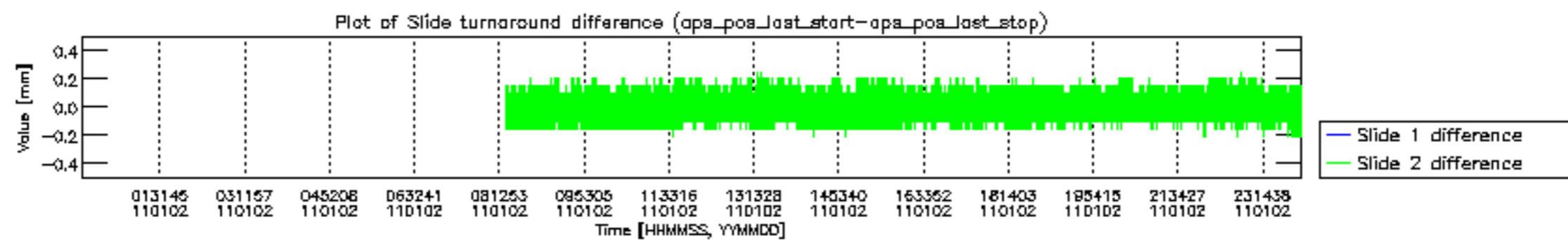


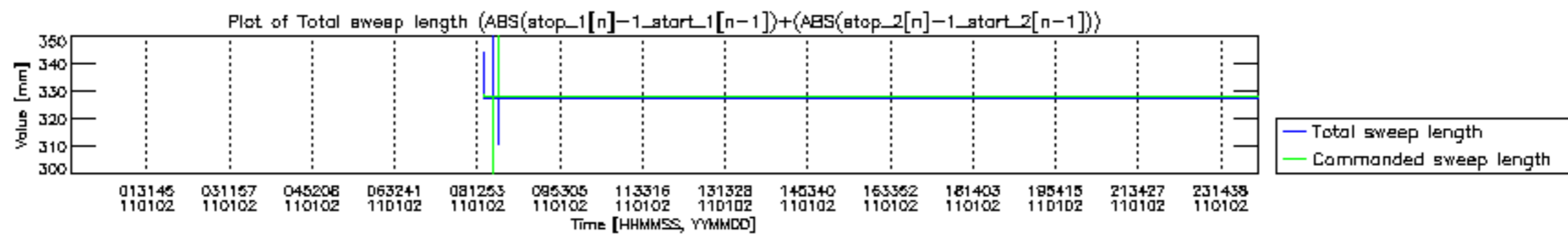


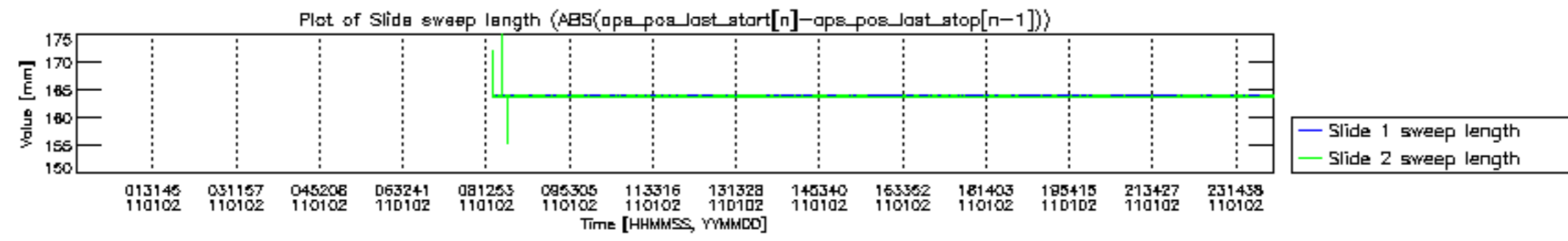




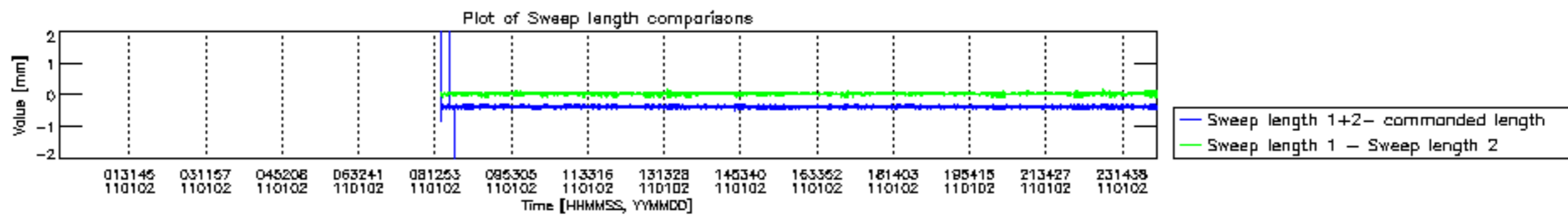


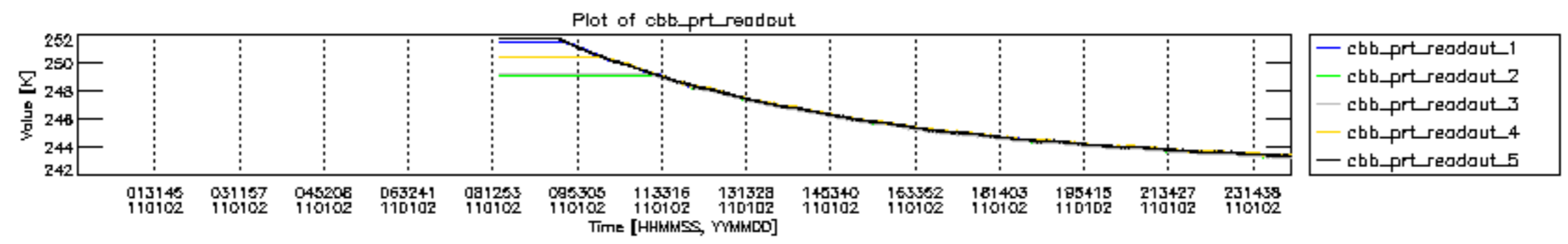


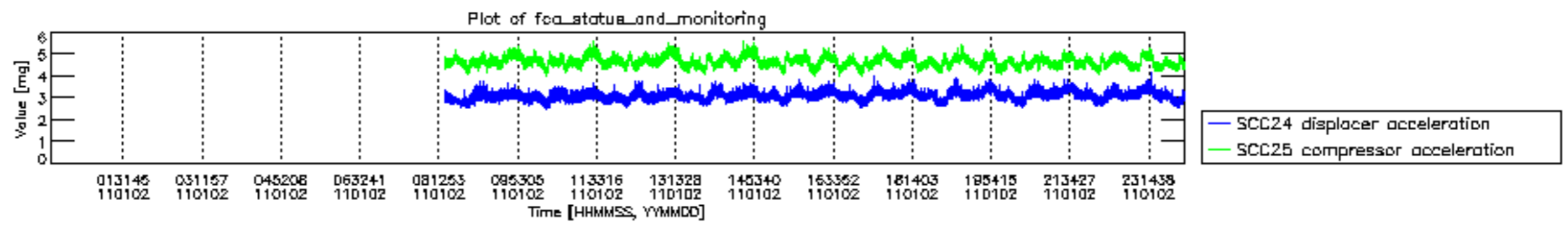












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

