

## 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	03NOV2011 05:24:11
Data source version	KSPT_L0/4504-N
Processing scope for products	29OCT2011 00:00:00 to 30OCT2011 00:00:00
Start time of first product within scope	29OCT2011 00:51:48
Stop time of last product within scope	30OCT2011 00:18:01
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__0PNPDE20111029_005148_000058263108_00088_50533_9891.N1	29OCT2011 00:51:48	29OCT2011 02:28:54	0	0	0	0	0
1	MIP_NL__0PNPDE20111029_022755_000046333108_00089_50534_9892.N1	29OCT2011 02:27:55	29OCT2011 03:45:09	0	0	0	0	0
2	MIP_NL__0PNPDE20111029_034437_000060923108_00090_50535_9893.N1	29OCT2011 03:44:37	29OCT2011 05:26:09	0	0	0	0	0
3	MIP_NL__0PNPDE20111029_052536_000060663108_00091_50536_9894.N1	29OCT2011 05:25:36	29OCT2011 07:06:42	0	0	0	0	0
4	MIP_NL__0PNPDK20111029_070609_000040093108_00092_50537_7379.N1	29OCT2011 07:06:09	29OCT2011 08:12:57	0	0	0	0	0
5	MIP_NL__0PNPDK20111029_081159_000061613108_00093_50538_7380.N1	29OCT2011 08:11:59	29OCT2011 09:54:40	0	0	0	0	0
6	MIP_NL__0PNPDK20111029_095304_000060643108_00094_50539_7381.N1	29OCT2011 09:53:04	29OCT2011 11:34:08	0	0	0	0	0
7	MIP_NL__0PNPDK20111029_113230_000059793108_00095_50540_7382.N1	29OCT2011 11:32:30	29OCT2011 13:12:09	0	0	0	0	0
8	MIP_NL__0PNPDK20111029_131029_000058743108_00096_50541_7383.N1	29OCT2011 13:10:29	29OCT2011 14:48:23	0	0	0	0	0
9	MIP_NL__0PNPDK20111029_144716_000060233108_00097_50542_7384.N1	29OCT2011 14:47:16	29OCT2011 16:27:39	0	0	0	0	0
10	MIP_NL__0PNPDK20111029_162705_000059373108_00098_50543_7385.N1	29OCT2011 16:27:05	29OCT2011 18:06:02	0	0	0	0	0
11	MIP_NL__0PNPDK20111029_180502_000058793108_00099_50544_7386.N1	29OCT2011 18:05:02	29OCT2011 19:43:00	0	0	0	0	0
12	MIP_NL__0PNPDE20111029_194120_000042763108_00100_50545_9895.N1	29OCT2011 19:41:20	29OCT2011 20:52:36	0	0	0	0	0
13	MIP_NL__0PNPDE20111029_223449_000061923108_00101_50546_9897.N1	29OCT2011 22:34:49	30OCT2011 00:18:01	0	0	0	0	0

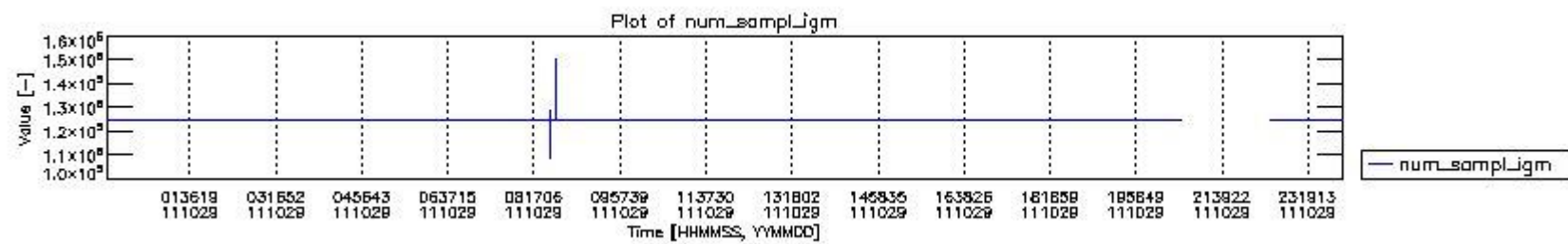
## 0.2 Instrument Operational Performance Parameters

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.

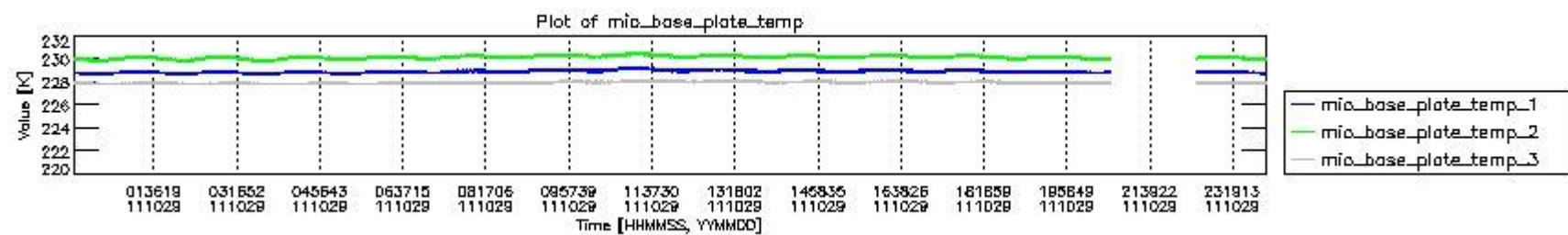
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
109020	1	0.0025845136
113372	1	0.0025845136
124800	35942	92.892588
124803	2744	7.0919053

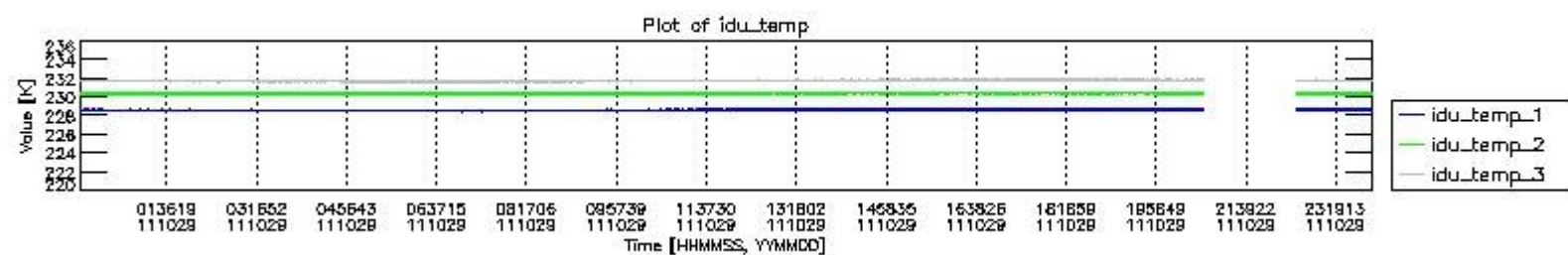
127382	1	0.0025845136
129152	1	0.0025845136
147514	1	0.0025845136
150096	1	0.0025845136



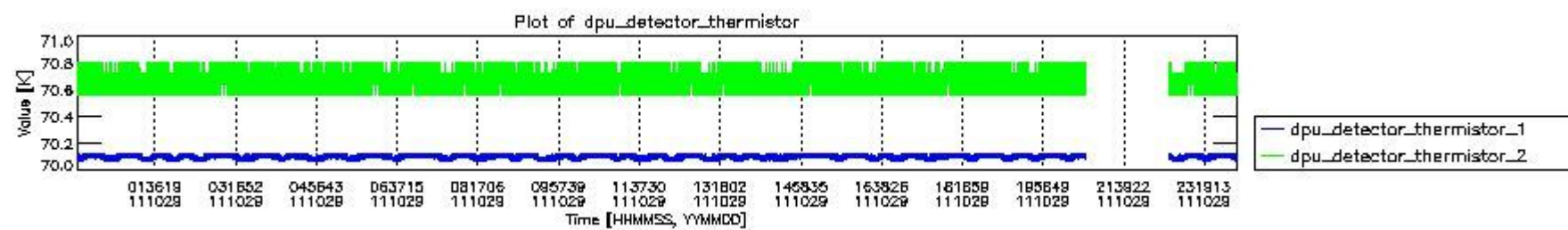
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111029\_0.PNG



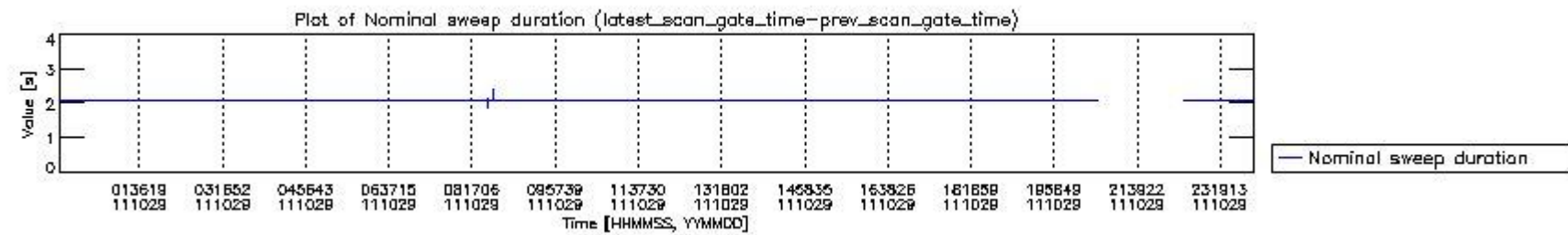
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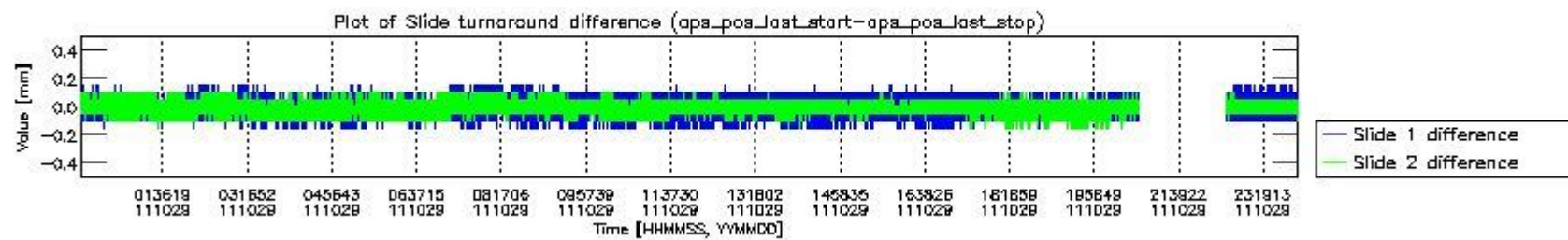
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111029\_2.PNG



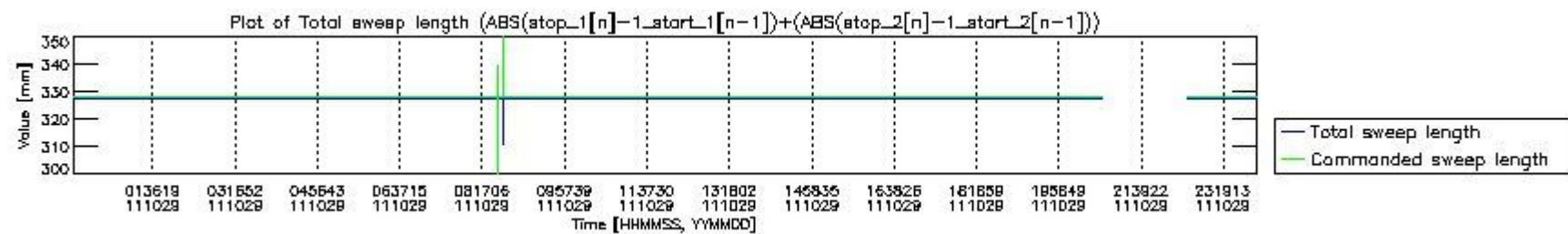
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111029\_3.PNG



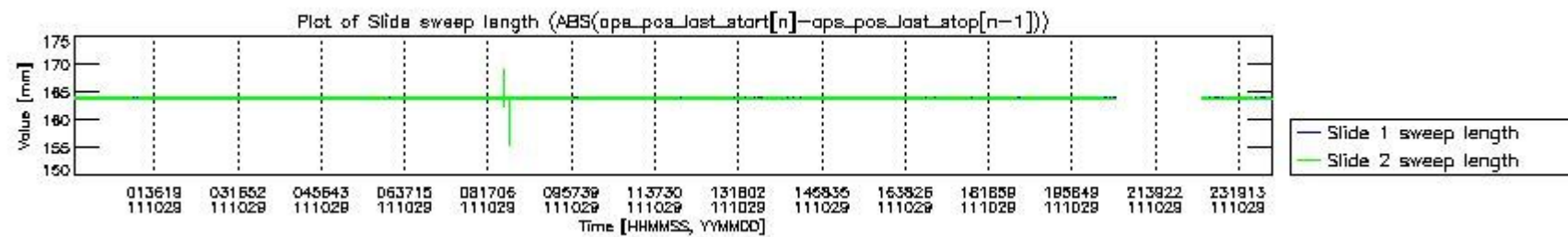
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111029\_4.PNG



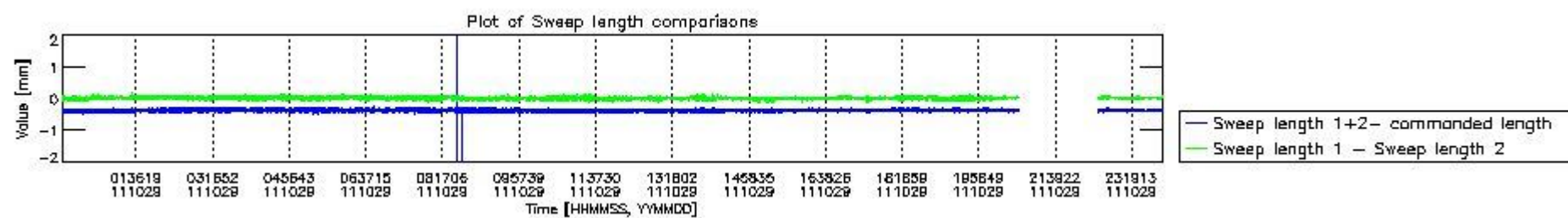
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111029\_5.PNG



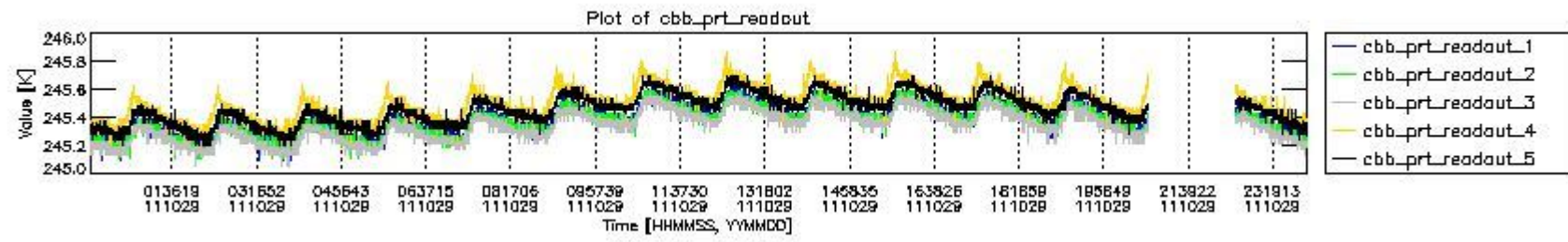
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111029\_6.PNG



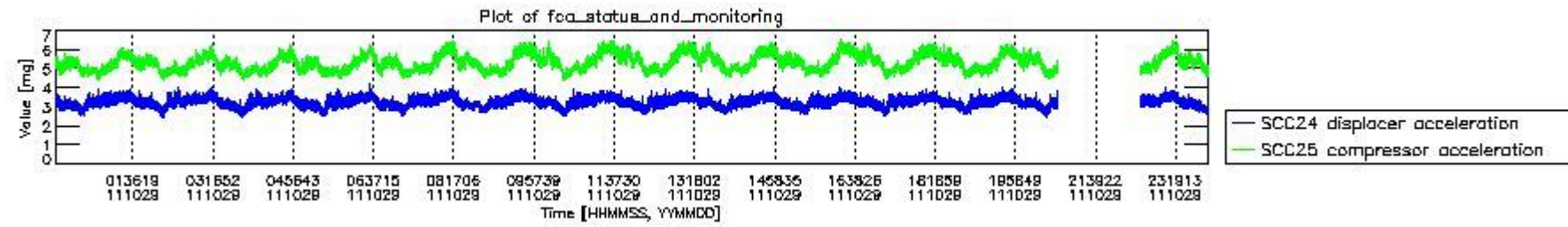
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111029\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111029\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111029\_9.PNG

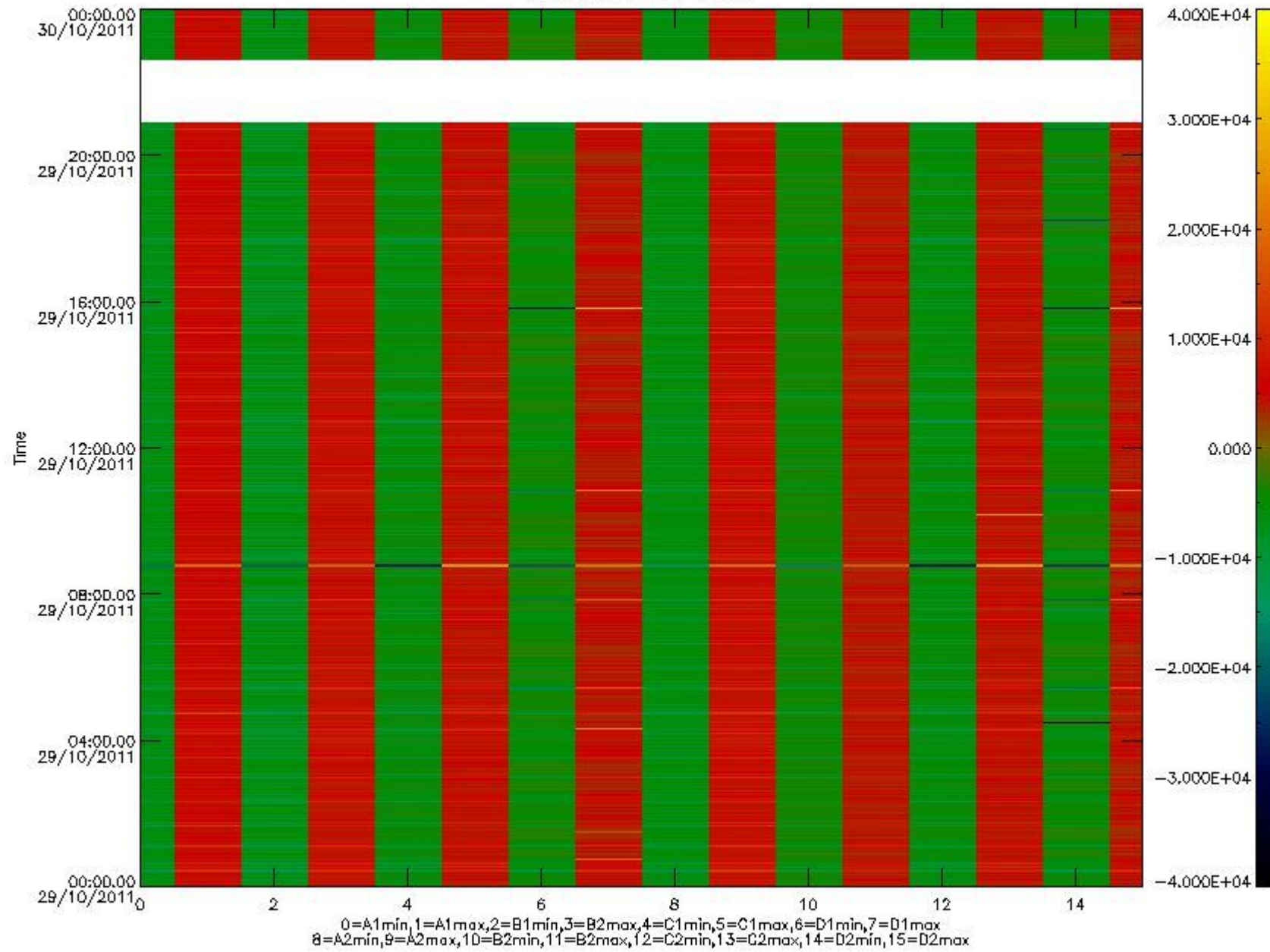


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111029\_10.PNG

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

Channel	Min	Max	ADC
A1	-18515	19655	16bit
B1	-20742	17818	16bit
C1	-25608	25488	16bit
D1	-32768	32767	16bit
A2	-15992	19780	16bit
B2	-18752	18377	16bit
C2	-26654	26229	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\_20111029\_11.PNG

### 0.3 ADF monitoring

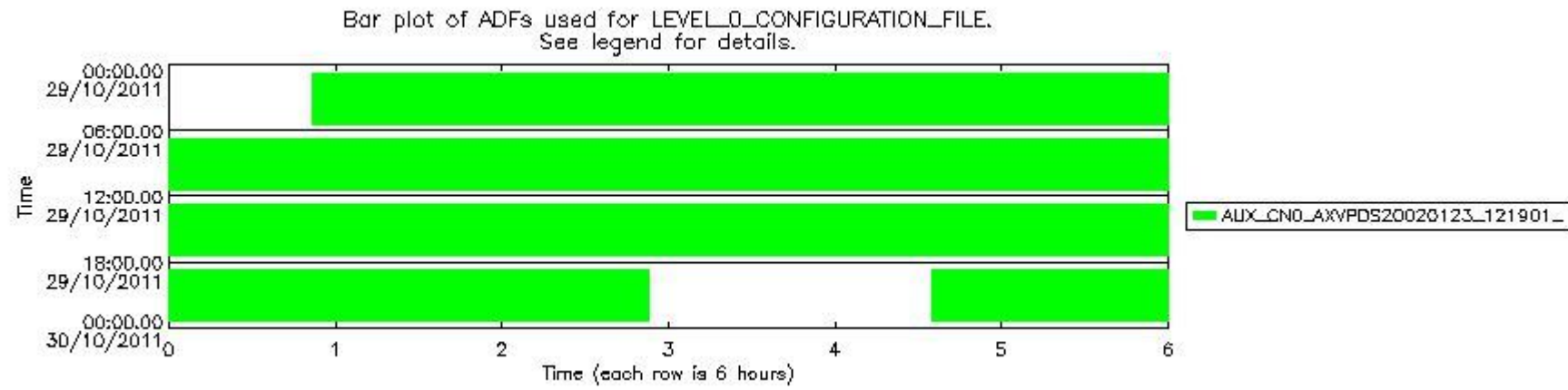
The use of ADFs is shown in two ways:

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.

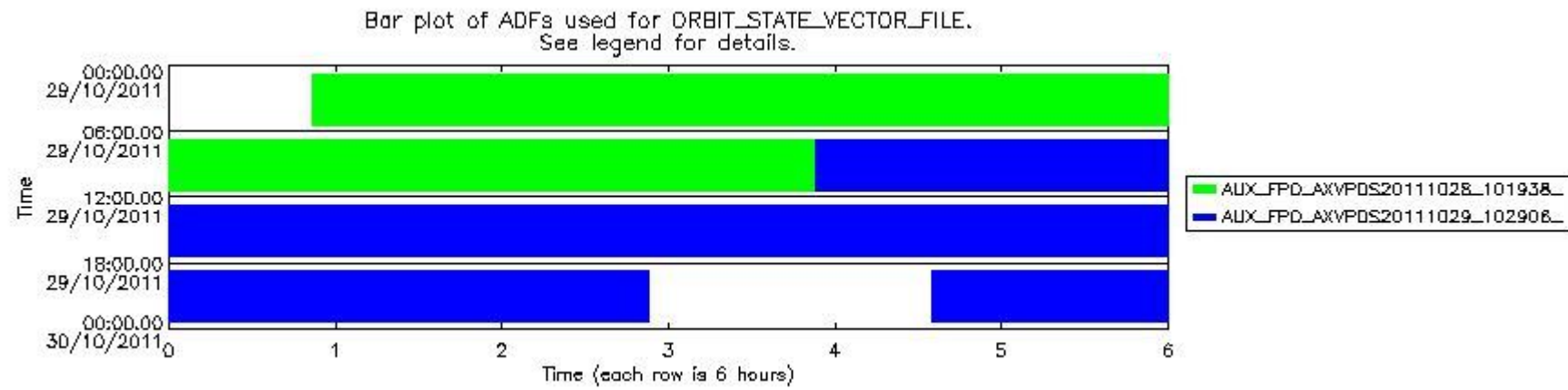
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111028_101938_20111027_190017_20111106_211401
2	AUX_FPO_AXVPDS20111029_102906_20111028_182333_20111107_203717

Number	Product name	#CN0	#FPO
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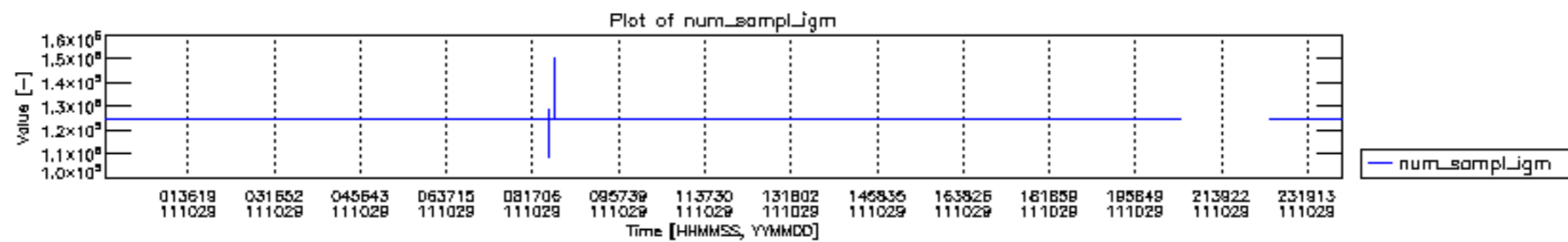
0	MIP_NL__0PNPDE20111029_005148_000058263108_00088_50533_9891.N1	0	1
1	MIP_NL__0PNPDE20111029_022755_000046333108_00089_50534_9892.N1	0	1
2	MIP_NL__0PNPDE20111029_034437_000060923108_00090_50535_9893.N1	0	1
3	MIP_NL__0PNPDE20111029_052536_000060663108_00091_50536_9894.N1	0	1
4	MIP_NL__0PNPDK20111029_070609_000040093108_00092_50537_7379.N1	0	1
5	MIP_NL__0PNPDK20111029_081159_000061613108_00093_50538_7380.N1	0	1
6	MIP_NL__0PNPDK20111029_095304_000060643108_00094_50539_7381.N1	0	2
7	MIP_NL__0PNPDK20111029_113230_000059793108_00095_50540_7382.N1	0	2
8	MIP_NL__0PNPDK20111029_131029_000058743108_00096_50541_7383.N1	0	2
9	MIP_NL__0PNPDK20111029_144716_000060233108_00097_50542_7384.N1	0	2
10	MIP_NL__0PNPDK20111029_162705_000059373108_00098_50543_7385.N1	0	2
11	MIP_NL__0PNPDK20111029_180502_000058793108_00099_50544_7386.N1	0	2
12	MIP_NL__0PNPDE20111029_194120_000042763108_00100_50545_9895.N1	0	2
13	MIP_NL__0PNPDE20111029_223449_000061923108_00101_50546_9897.N1	0	2

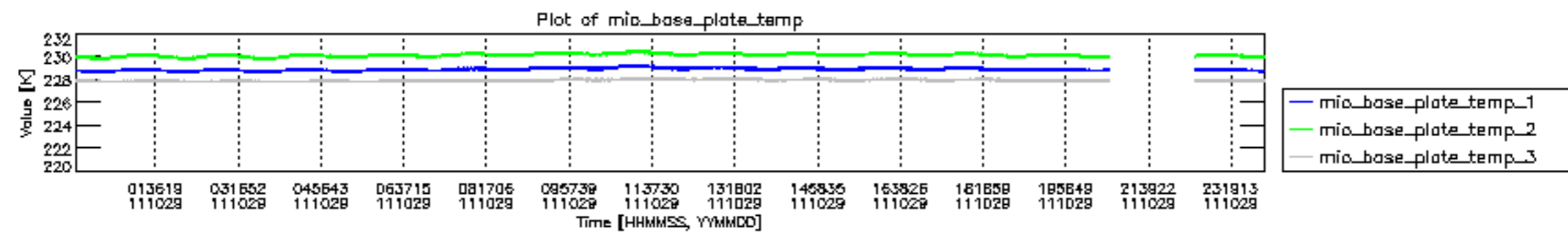


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111029\_12.PNG

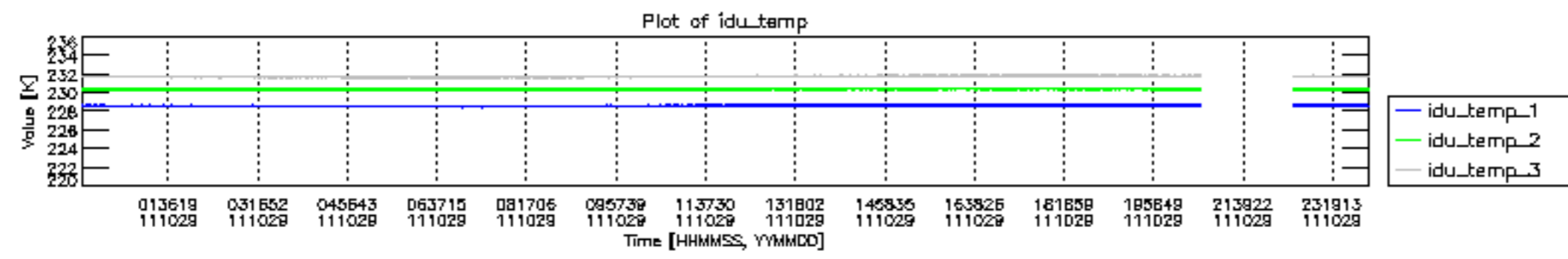


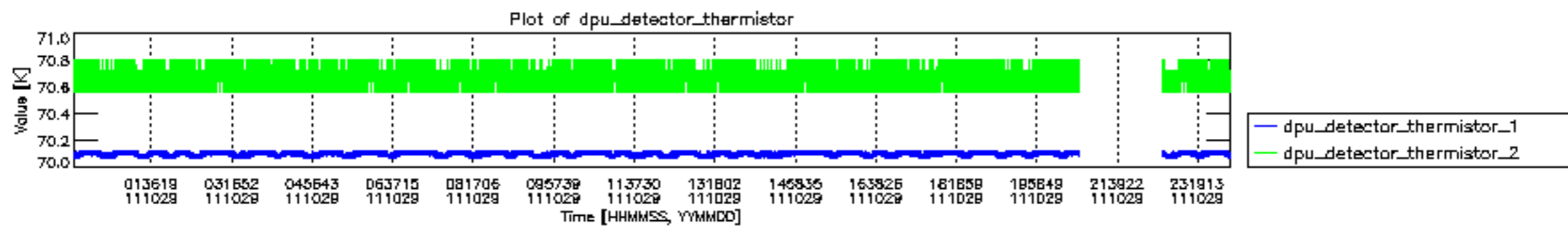
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111029\_13.PNG

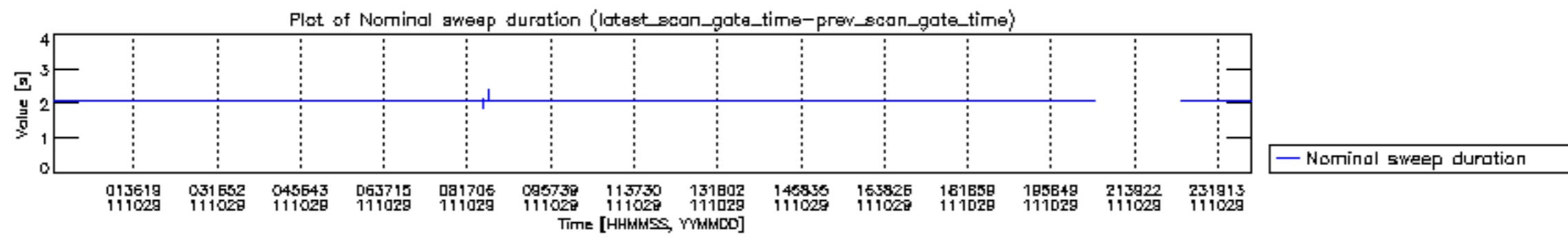




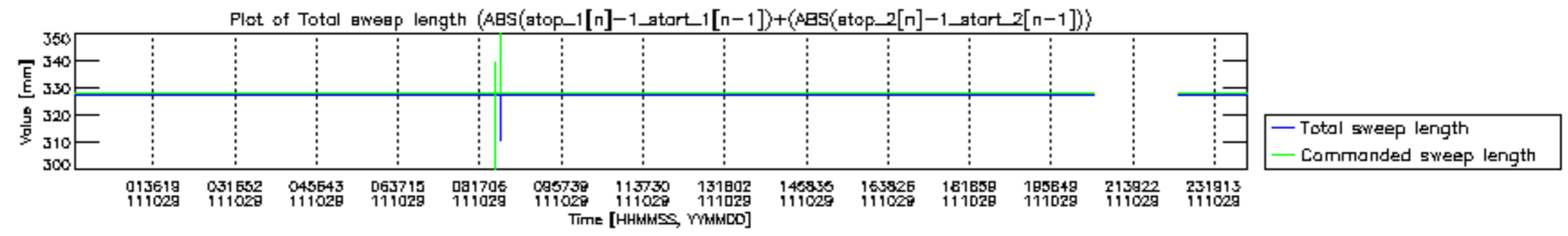


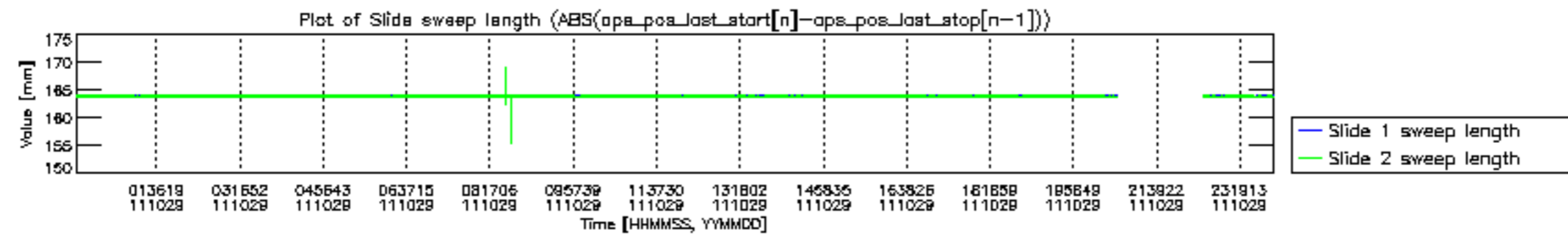


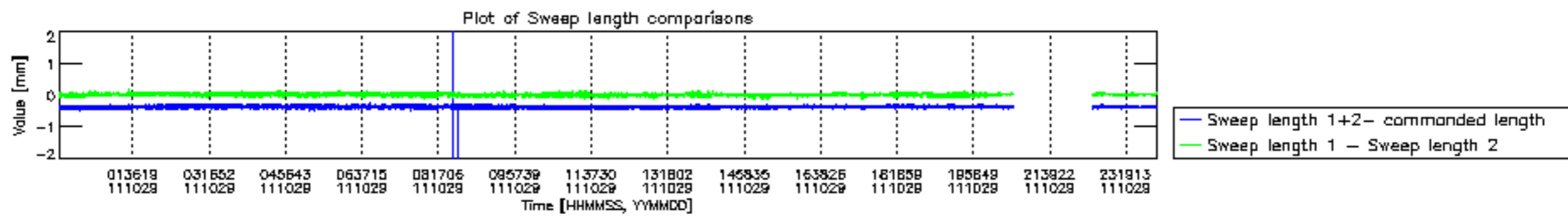


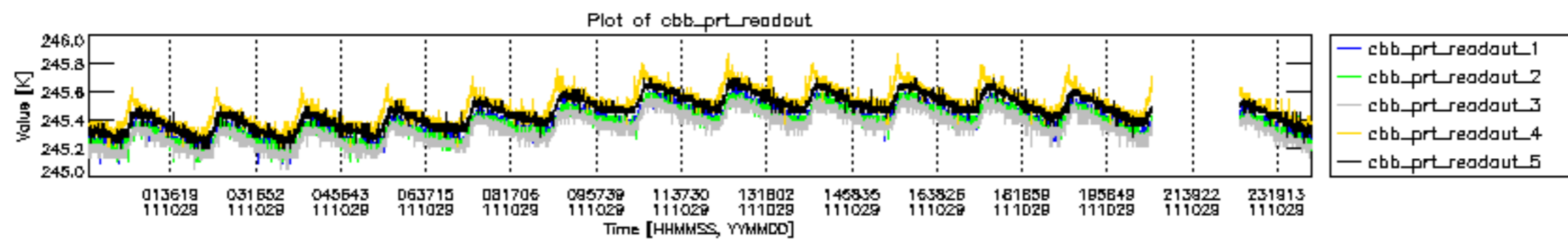




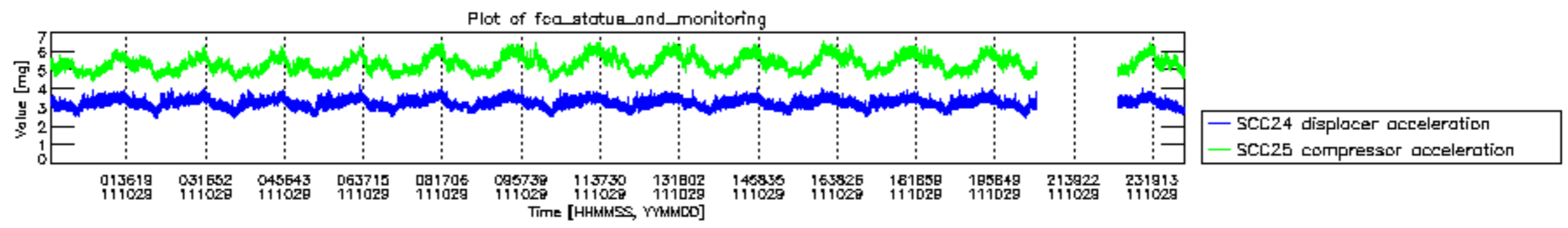












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.



