

## 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	17NOV2011 05:23:26
Data source version	KSPT_L0/4504-N
Processing scope for products	12NOV2011 00:00:00 to 13NOV2011 00:00:00
Start time of first product within scope	12NOV2011 00:39:28
Stop time of last product within scope	13NOV2011 00:03:58
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__0PNPDE20111112_003928_000058183108_00289_50734_4815.N1	12NOV2011 00:39:28	12NOV2011 02:16:26	0	0	0	0	0
1	MIP_NL__0PNPDE20111112_021530_000045543108_00290_50735_4816.N1	12NOV2011 02:15:30	12NOV2011 03:31:24	0	0	0	0	0
2	MIP_NL__0PNPDE20111112_033051_000061543108_00291_50736_4817.N1	12NOV2011 03:30:51	12NOV2011 05:13:25	0	0	0	0	0
3	MIP_NL__0PNPDE20111112_051251_000024303108_00292_50737_4818.N1	12NOV2011 05:12:51	12NOV2011 05:53:22	0	0	0	0	0
4	MIP_NL__0PNPDK20111112_091113_000017543108_00294_50739_7501.N1	12NOV2011 09:11:13	12NOV2011 09:40:28	0	0	0	0	0
5	MIP_NL__0PNPDK20111112_093850_000060253108_00295_50740_7502.N1	12NOV2011 09:38:50	12NOV2011 11:19:14	0	0	0	0	0
6	MIP_NL__0PNPDK20111112_111759_000061353108_00296_50741_7503.N1	12NOV2011 11:17:59	12NOV2011 13:00:15	0	0	0	0	0
7	MIP_NL__0PNPDK20111112_125916_000058183108_00297_50742_7504.N1	12NOV2011 12:59:16	12NOV2011 14:36:14	0	0	0	0	0
8	MIP_NL__0PNPDK20111112_143511_000059833108_00298_50743_7505.N1	12NOV2011 14:35:11	12NOV2011 16:14:54	0	0	0	0	0
9	MIP_NL__0PNPDK20111112_161421_000058783108_00299_50744_7506.N1	12NOV2011 16:14:21	12NOV2011 17:52:19	0	0	0	0	0
10	MIP_NL__0PNPDK20111112_175117_000059953108_00300_50745_7507.N1	12NOV2011 17:51:17	12NOV2011 19:31:12	0	0	0	0	0
11	MIP_NL__0PNPDK20111112_192917_000061023108_00301_50746_7508.N1	12NOV2011 19:29:17	12NOV2011 21:10:59	0	0	0	0	0
12	MIP_NL__0PNPDE20111112_210904_000044063108_00302_50747_4819.N1	12NOV2011 21:09:04	12NOV2011 22:22:30	0	0	0	0	0
13	MIP_NL__0PNPDE20111112_222125_000061523108_00302_50747_4820.N1	12NOV2011 22:21:25	13NOV2011 00:03:58	0	0	0	0	0

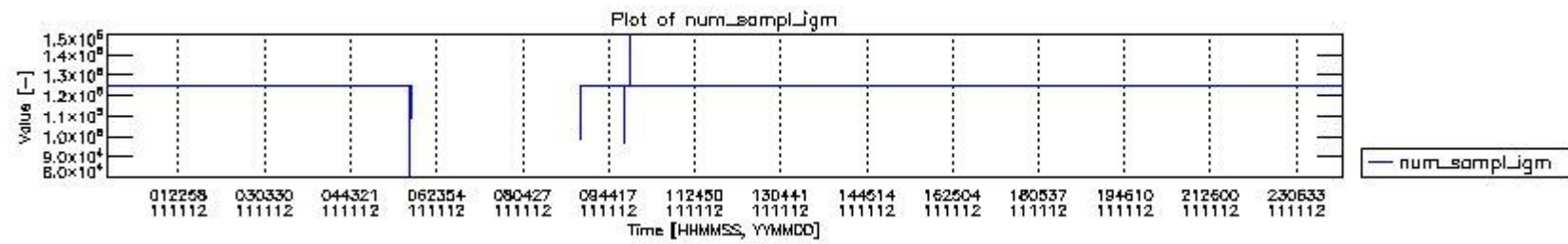
## 0.2 Instrument Operational Performance Parameters

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.

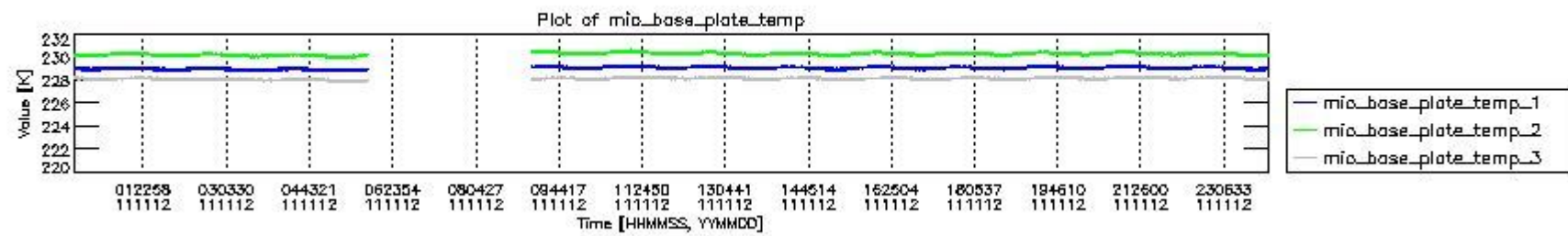
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
80512	1	0.0027775463
92590	1	0.0027775463
96868	1	0.0027775463
99070	1	0.0027775463

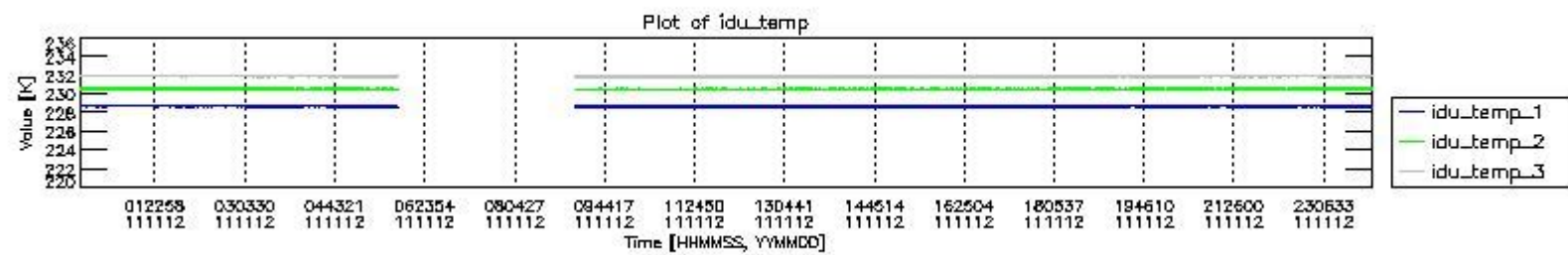
100768	1	0.0027775463
112722	1	0.0027775463
120900	1	0.0027775463
123844	1	0.0027775463
124322	1	0.0027775463
124800	33436	92.870039
124803	2555	7.0966308
127159	1	0.0027775463
147291	1	0.0027775463
149650	1	0.0027775463



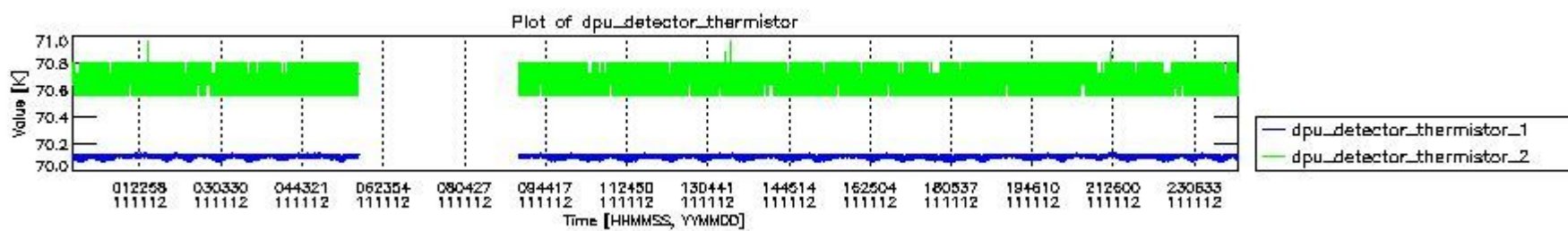
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111112\_0.PNG



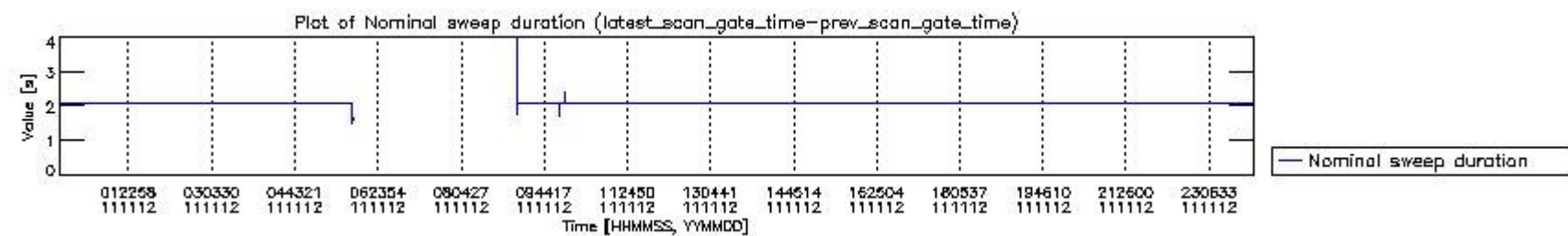
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111112\_1.PNG



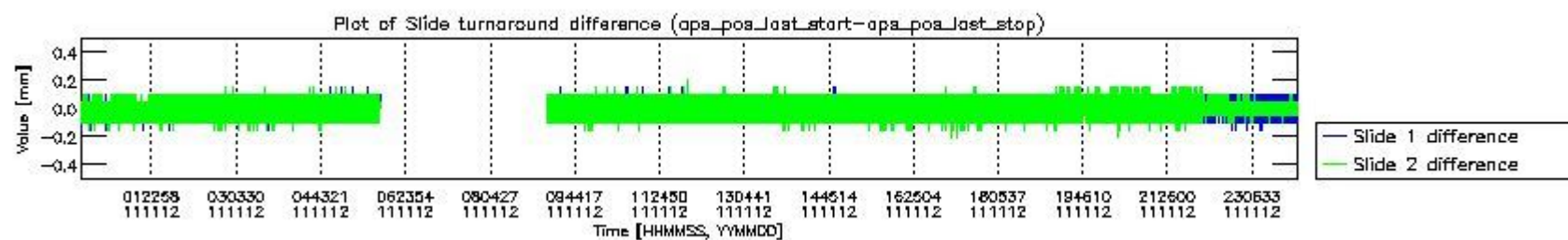
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111112\_2.PNG



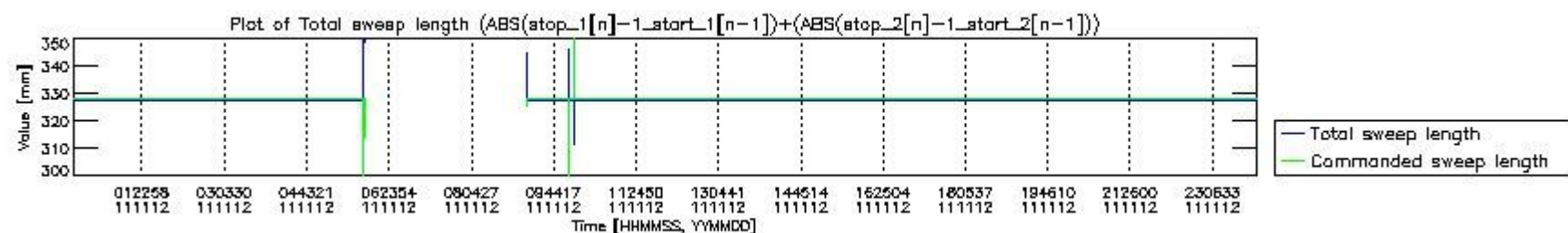
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111112\_3.PNG



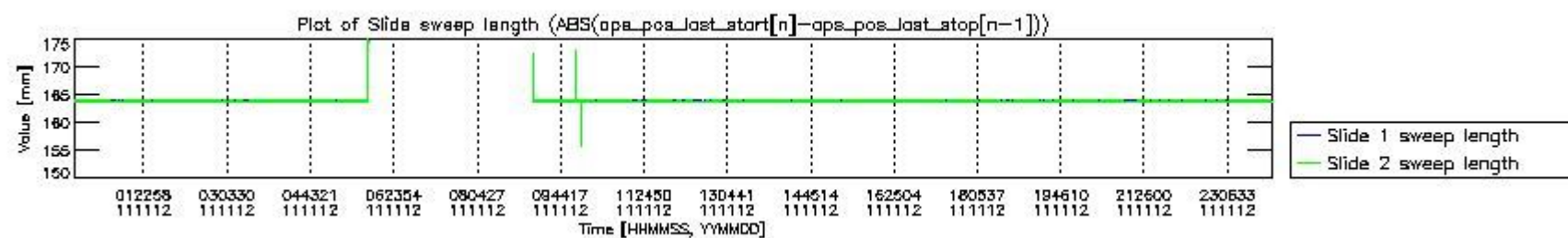
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111112\_4.PNG



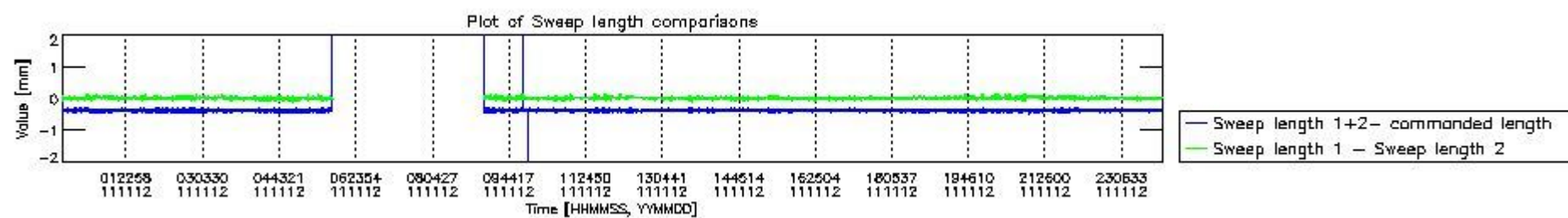
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111112\_5.PNG



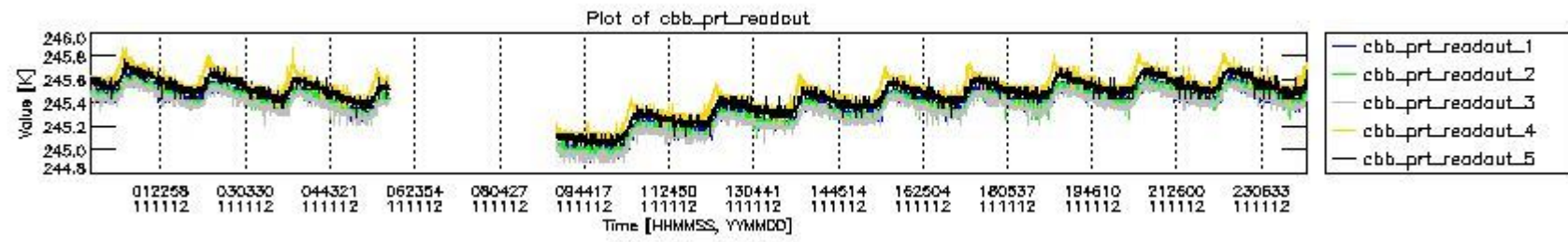
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111112\_6.PNG



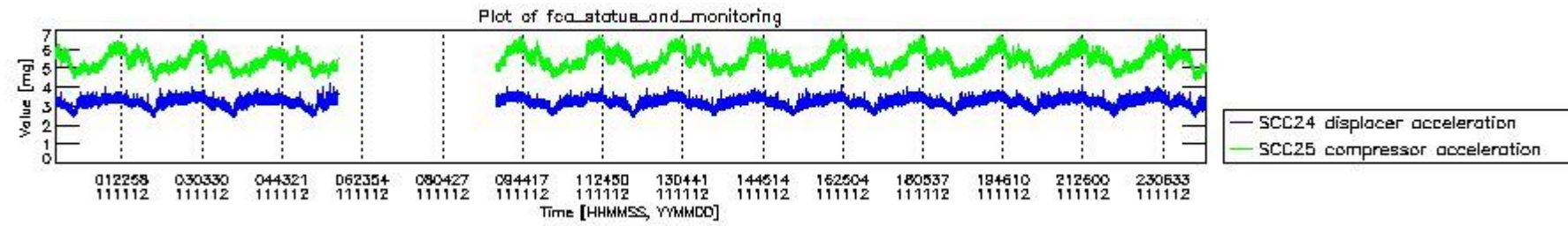
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111112\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111112\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111112\_9.PNG



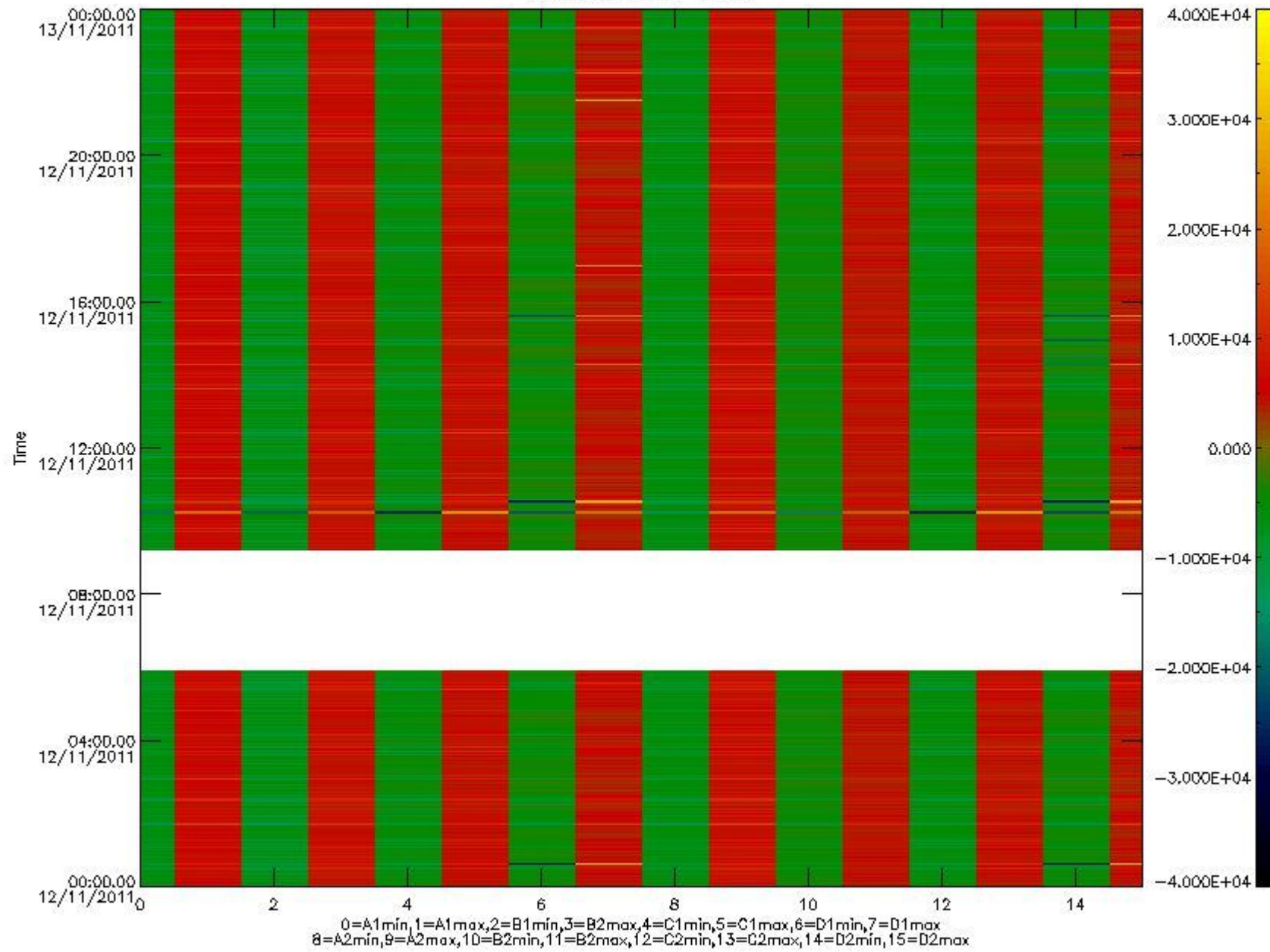
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111112\_10.PNG

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

Channel	Min	Max	ADC
A1	-32768	32767	16bit
B1	-32768	32767	16bit
C1	-25310	25208	16bit
D1	-32768	32767	16bit
A2	-32768	28256	16bit
B2	-32768	32767	16bit
C2	-26368	25921	16bit
D2	-32768	32767	16bit



MIPNLOP\_MIPSOUPAC\_aux\_fields\_1gm\_cal, channel statistics plot  
Colour indicates value.



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111112\_11.PNG

### 0.3 ADF monitoring

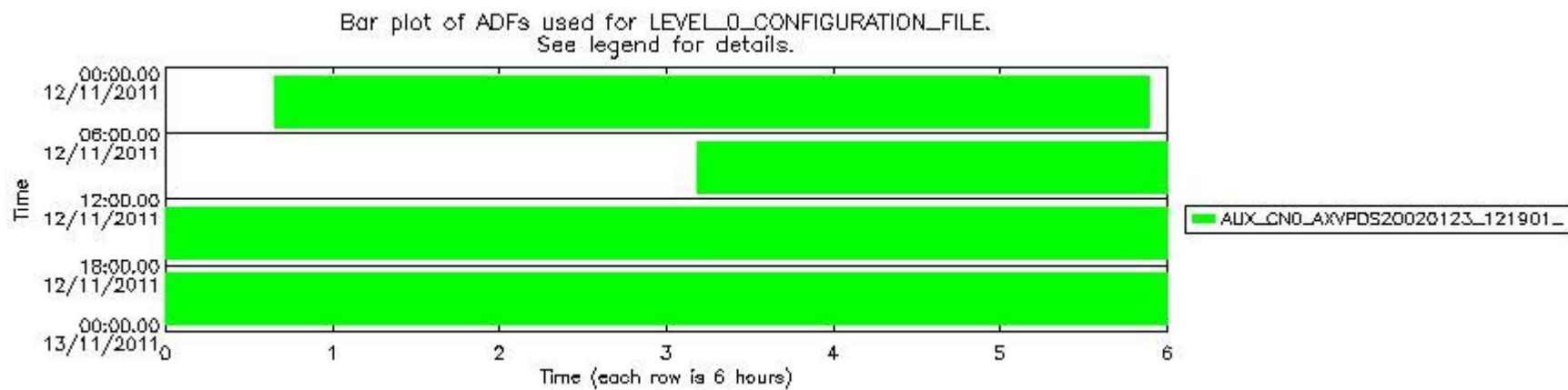
The use of ADFs is shown in two ways:

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.

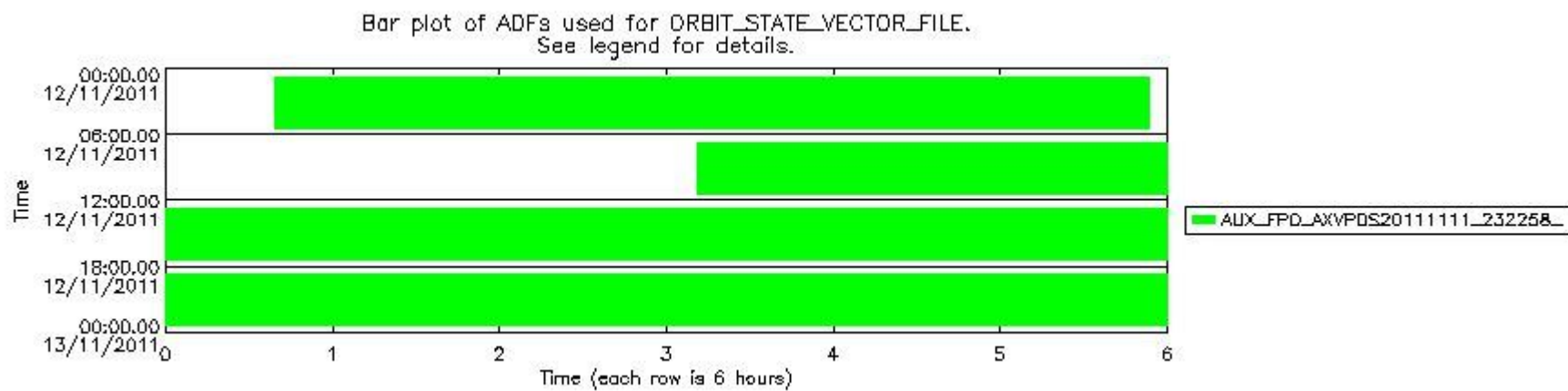
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111111_232258_20111111_195031_20111121_202359

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20111112_003928_000058183108_00289_50734_4815.N1	0	1

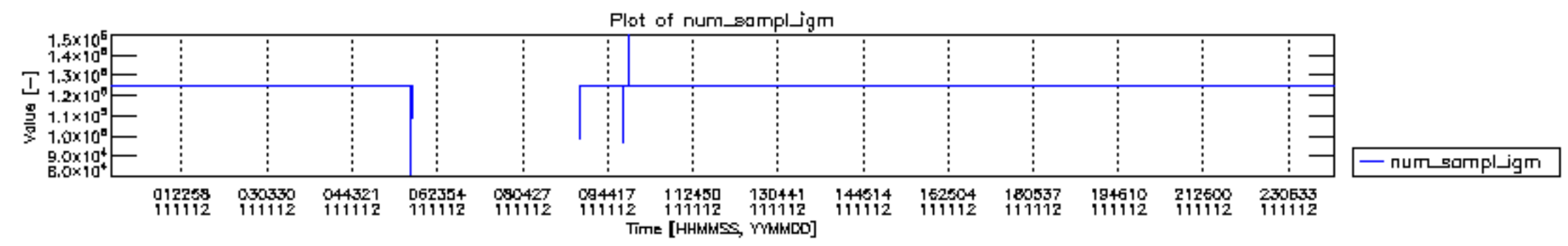
1	MIP_NL__0PNPDE20111112_021530_000045543108_00290_50735_4816.N1	0	1
2	MIP_NL__0PNPDE20111112_033051_000061543108_00291_50736_4817.N1	0	1
3	MIP_NL__0PNPDE20111112_051251_000024303108_00292_50737_4818.N1	0	1
4	MIP_NL__0PNPDK20111112_091113_000017543108_00294_50739_7501.N1	0	1
5	MIP_NL__0PNPDK20111112_093850_000060253108_00295_50740_7502.N1	0	1
6	MIP_NL__0PNPDK20111112_111759_000061353108_00296_50741_7503.N1	0	1
7	MIP_NL__0PNPDK20111112_125916_000058183108_00297_50742_7504.N1	0	1
8	MIP_NL__0PNPDK20111112_143511_000059833108_00298_50743_7505.N1	0	1
9	MIP_NL__0PNPDK20111112_161421_000058783108_00299_50744_7506.N1	0	1
10	MIP_NL__0PNPDK20111112_175117_000059953108_00300_50745_7507.N1	0	1
11	MIP_NL__0PNPDK20111112_192917_000061023108_00301_50746_7508.N1	0	1
12	MIP_NL__0PNPDE20111112_210904_000044063108_00302_50747_4819.N1	0	1
13	MIP_NL__0PNPDE20111112_222125_000061523108_00302_50747_4820.N1	0	1

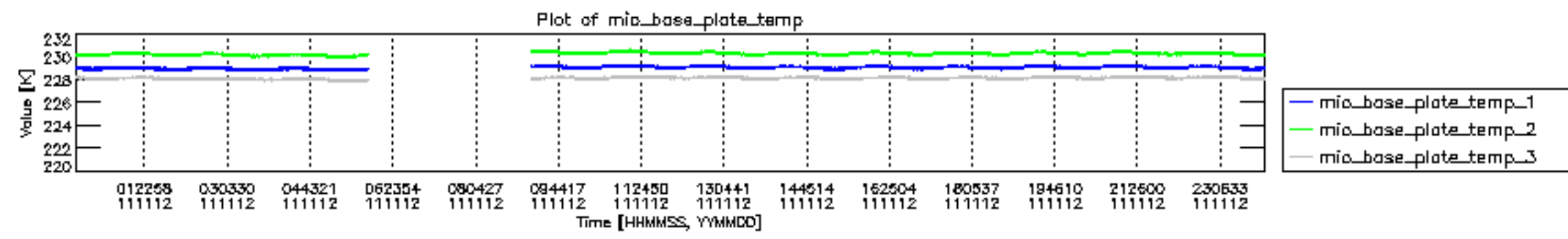


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111112\_12.PNG

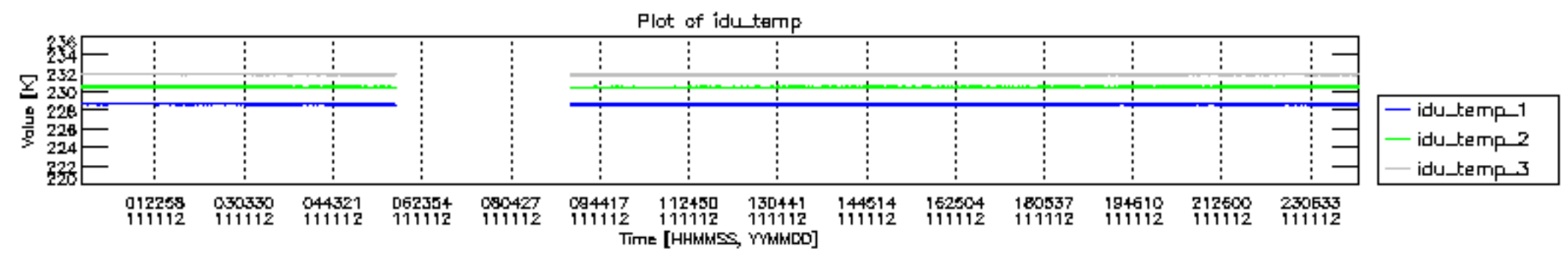


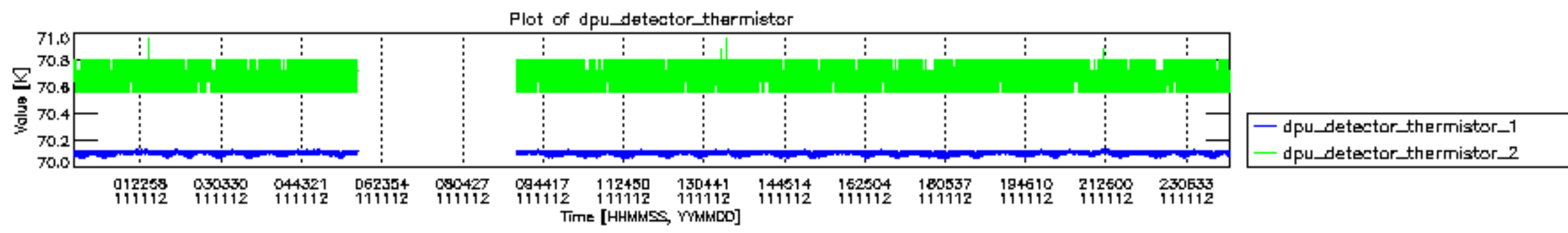
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111112\_13.PNG

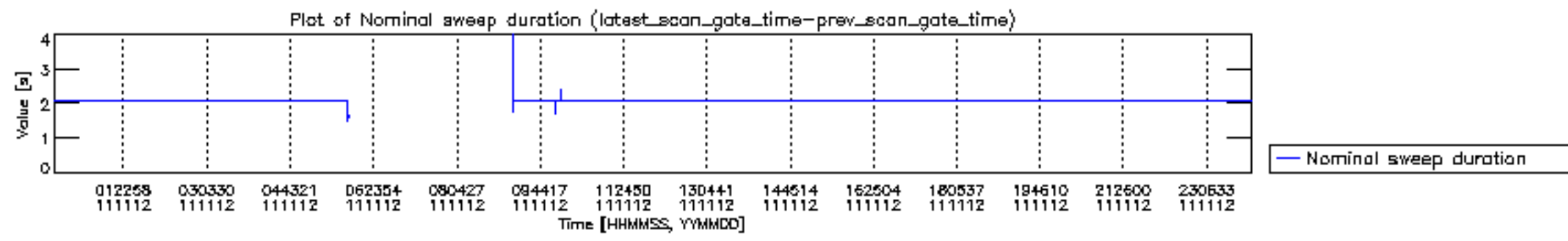


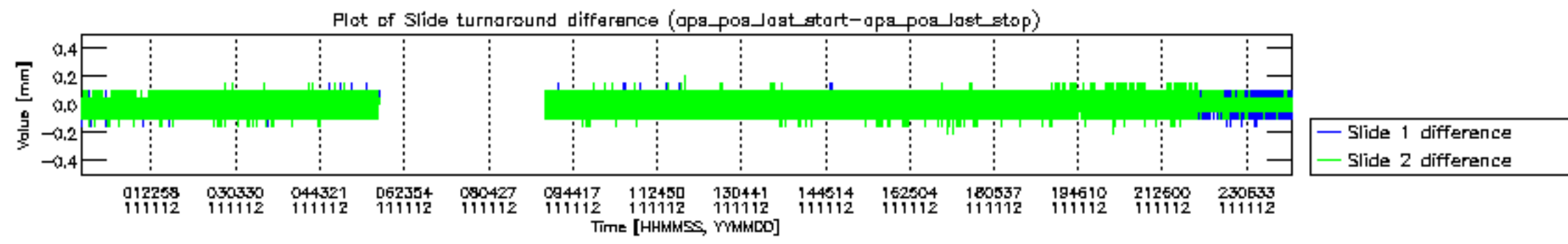


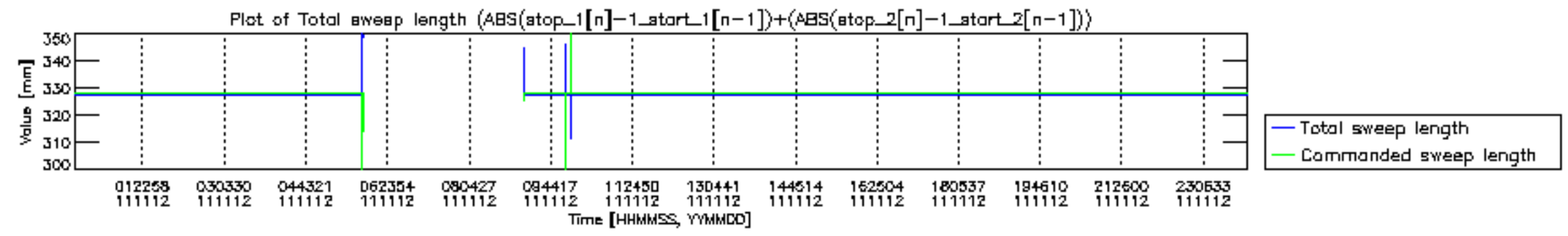




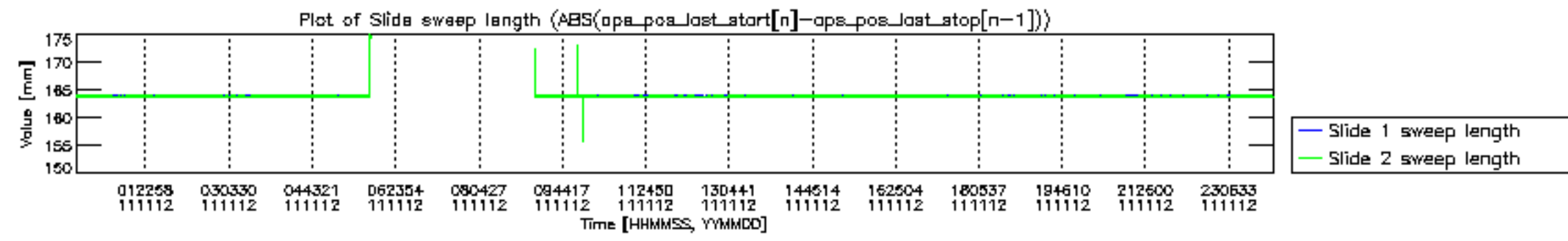


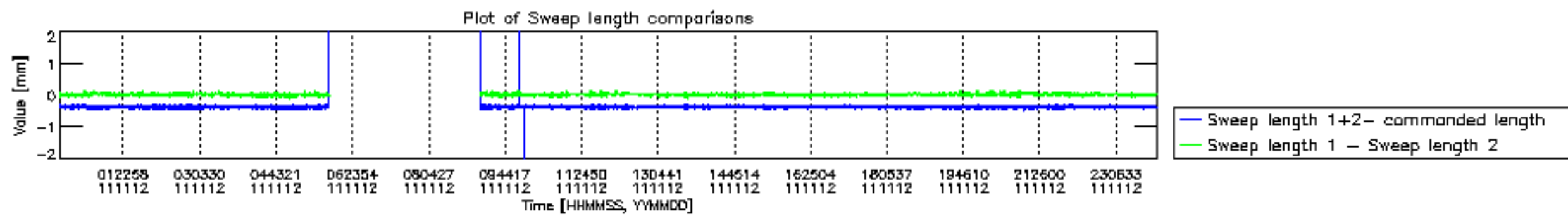


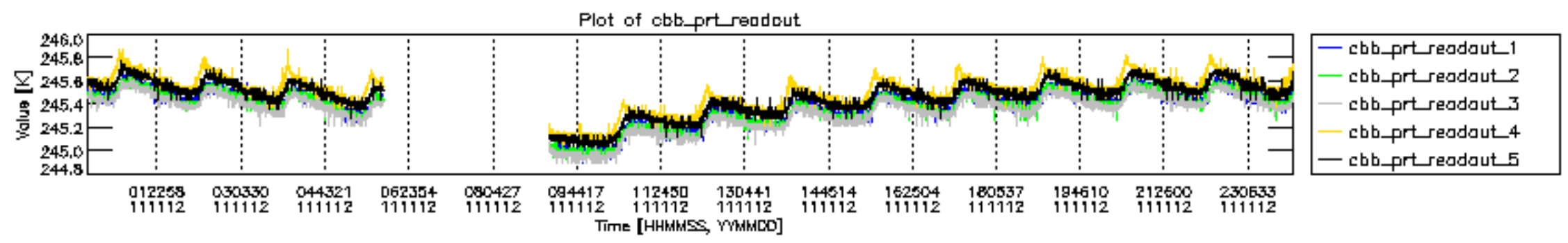


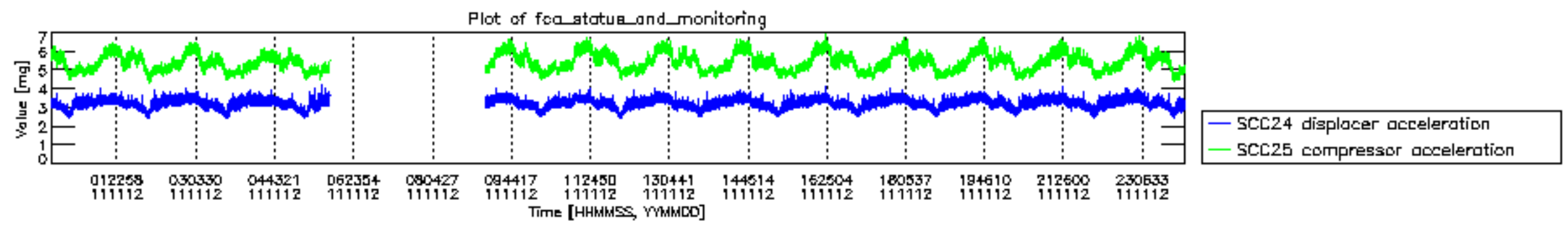












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

