

## 0. MIPAS Daily Report for level 0 products

### [0.1 General Info](#)

### [0.2 Instrument Operational Performance Parameters](#)

### [0.3 ADF monitoring](#)

## 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	21AUG2011 05:23:11
Data source version	KSPT_L0/4504-N
Processing scope for products	16AUG2011 00:00:00 to 17AUG2011 00:00:00
Start time of first product within scope	16AUG2011 01:05:26
Stop time of last product within scope	17AUG2011 00:30:00
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__OPNPDE20110816_010526_000102863105_00318_49470_9449.N1	16AUG2011 01:05:26	16AUG2011 03:56:52	0	0	0	0	0
1	MIP_NL__OPNPDE20110816_035619_000061613105_00320_49472_9450.N1	16AUG2011 03:56:19	16AUG2011 05:39:00	0	0	0	0	0
2	MIP_NL__OPNPDE20110816_053828_000060483105_00321_49473_9451.N1	16AUG2011 05:38:28	16AUG2011 07:19:16	0	0	0	0	0
3	MIP_NL__OPNPDK20110816_071843_000040993105_00322_49474_6059.N1	16AUG2011 07:18:43	16AUG2011 08:27:01	0	0	0	0	0
4	MIP_NL__OPNPDK20110816_082628_000060713105_00323_49475_6060.N1	16AUG2011 08:26:28	16AUG2011 10:07:39	0	0	0	0	0
5	MIP_NL__OPNPDK20110816_100655_000059373105_00324_49476_6061.N1	16AUG2011 10:06:55	16AUG2011 11:45:52	0	0	0	0	0
6	MIP_NL__OPNPDK20110816_114508_000060103105_00325_49477_6062.N1	16AUG2011 11:45:08	16AUG2011 13:25:18	0	0	0	0	0
7	MIP_NL__OPNPDK20110816_132445_000058723105_00326_49478_6063.N1	16AUG2011 13:24:45	16AUG2011 15:02:37	0	0	0	0	0
8	MIP_NL__OPNPDK20110816_150153_000058533105_00327_49479_6064.N1	16AUG2011 15:01:53	16AUG2011 16:39:27	0	0	0	0	0
9	MIP_NL__OPNPDK20110816_163824_000059753105_00328_49480_6065.N1	16AUG2011 16:38:24	16AUG2011 18:17:59	0	0	0	0	0
10	MIP_NL__OPNPDK20110816_181702_000059963105_00329_49481_6066.N1	16AUG2011 18:17:02	16AUG2011 19:56:58	0	0	0	0	0
11	MIP_NL__OPNPDE20110816_195520_000040883105_00330_49482_9452.N1	16AUG2011 19:55:20	16AUG2011 21:03:28	0	0	0	0	0
12	MIP_NL__OPNPDE20110816_210150_000064723105_00330_49482_9453.N1	16AUG2011 21:01:50	16AUG2011 22:49:41	0	0	0	0	0
13	MIP_NL__OPNPDE20110816_224843_000060773105_00331_49483_9454.N1	16AUG2011 22:48:43	17AUG2011 00:30:00	0	0	0	0	0

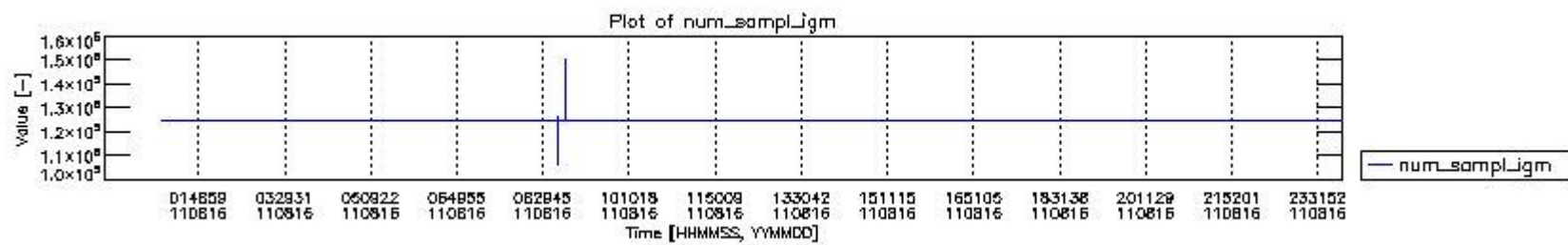
## 0.2 Instrument Operational Performance Parameters

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.

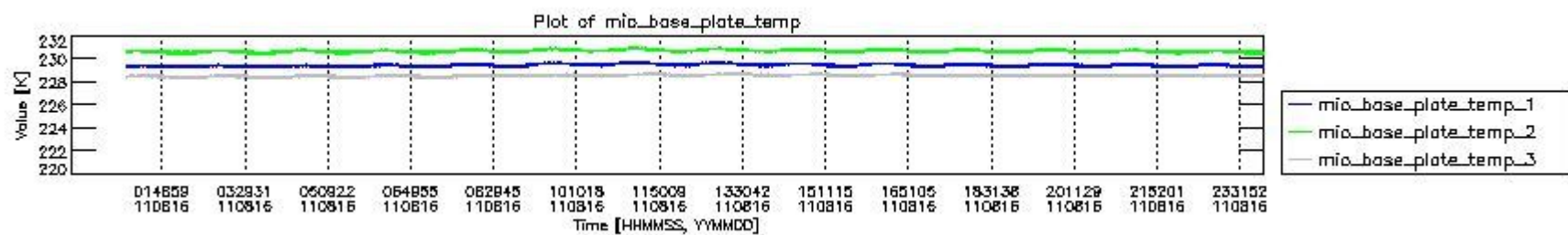
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
106195	1	0.0025175600
107722	1	0.0025175600
124800	36898	92.892928
124803	2817	7.0919665

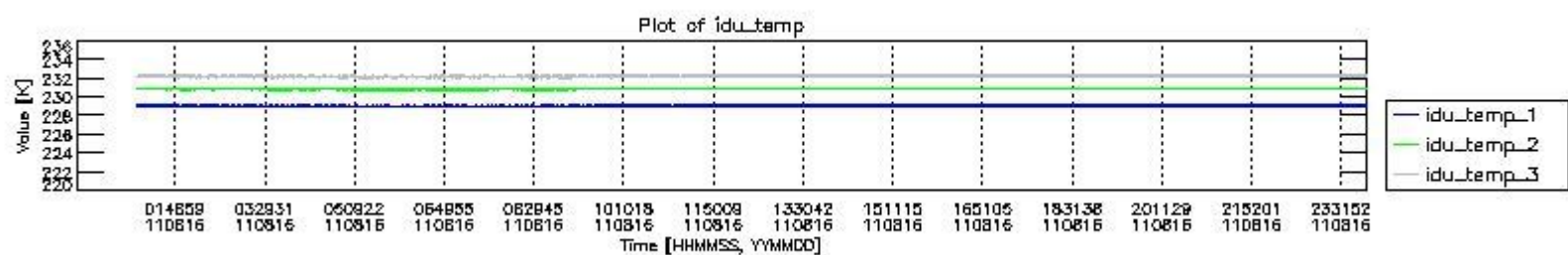
126327	1	0.0025175600
127382	1	0.0025175600
147514	1	0.0025175600
150096	1	0.0025175600



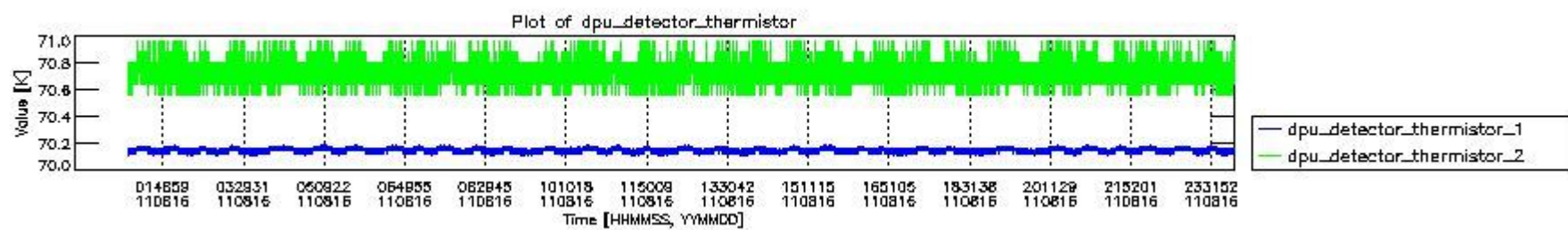
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110816\_0.PNG



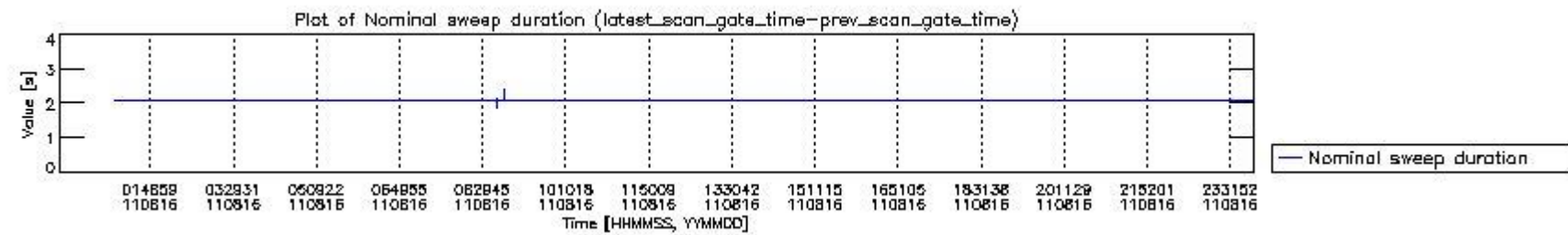
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110816\_1.PNG



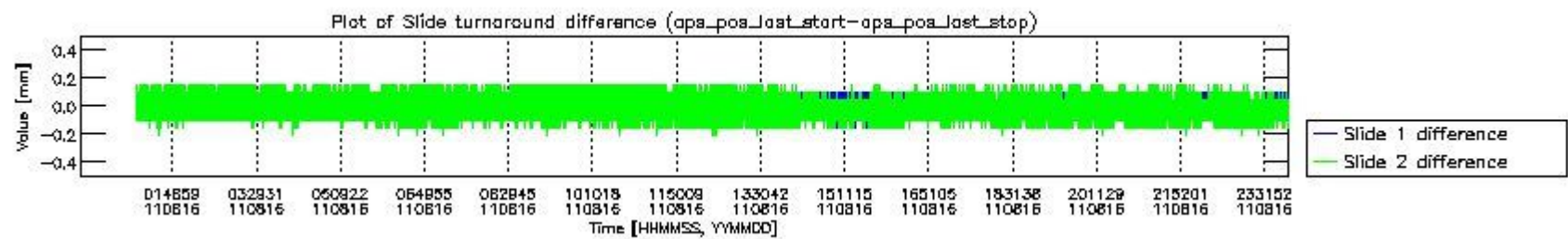
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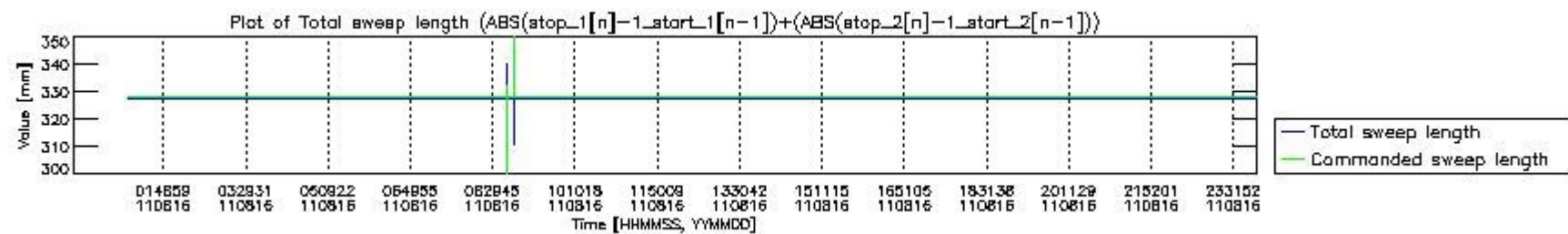
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110816\_3.PNG



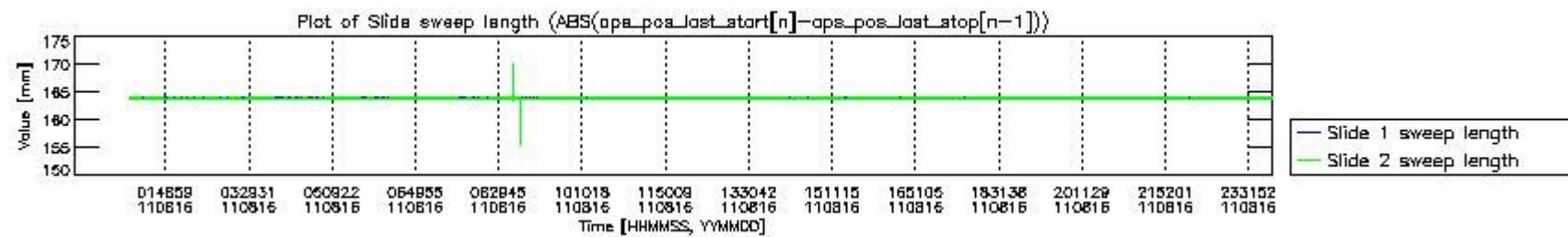
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110816\_4.PNG



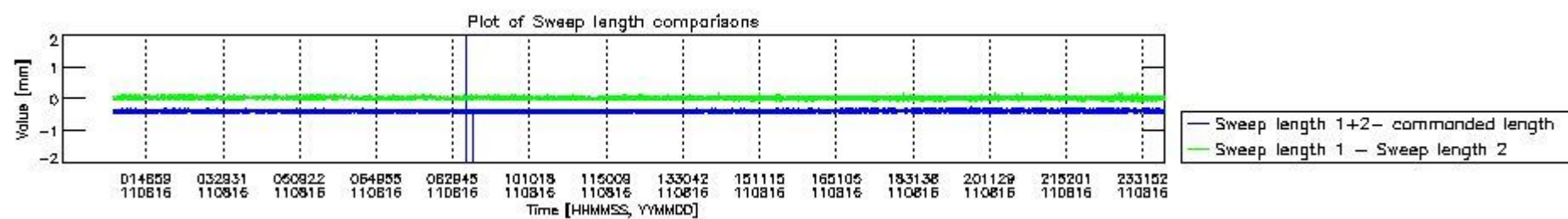
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110816\_5.PNG



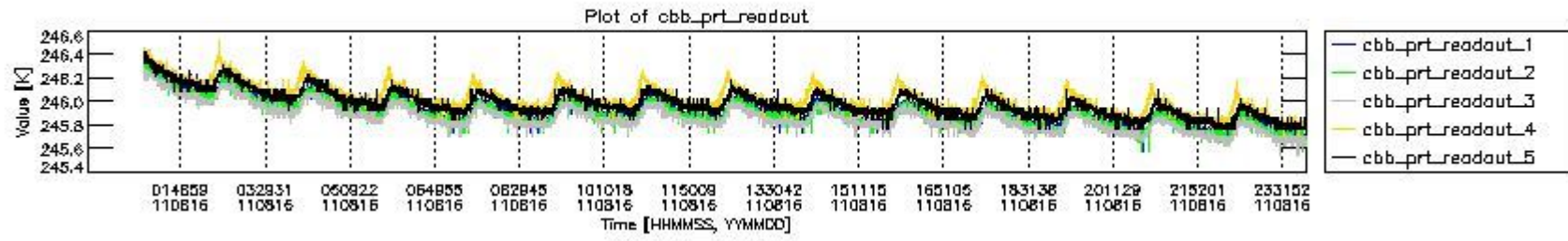
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110816\_6.PNG



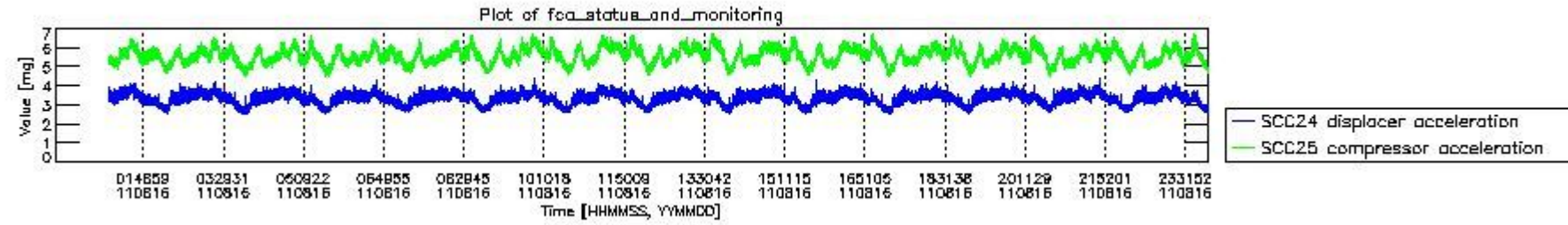
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110816\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110816\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110816\_9.PNG

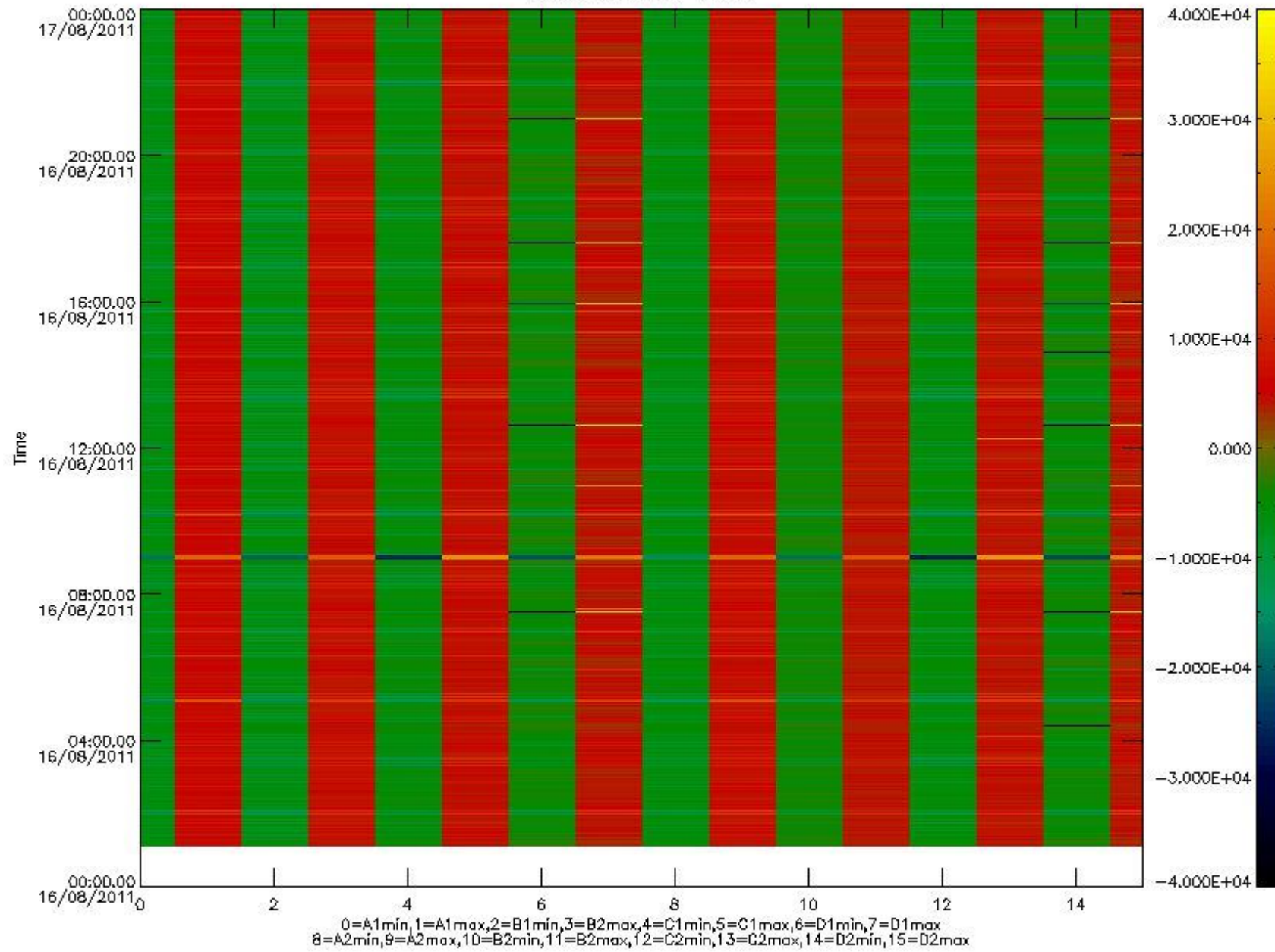


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110816\_10.PNG

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

Channel	Min	Max	ADC
A1	-18854	20074	16bit
B1	-20702	17818	16bit
C1	-25921	25835	16bit
D1	-32768	32767	16bit
A2	-15844	19606	16bit
B2	-18950	18618	16bit
C2	-26987	26575	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\_20110816\_11.PNG

### 0.3 ADF monitoring

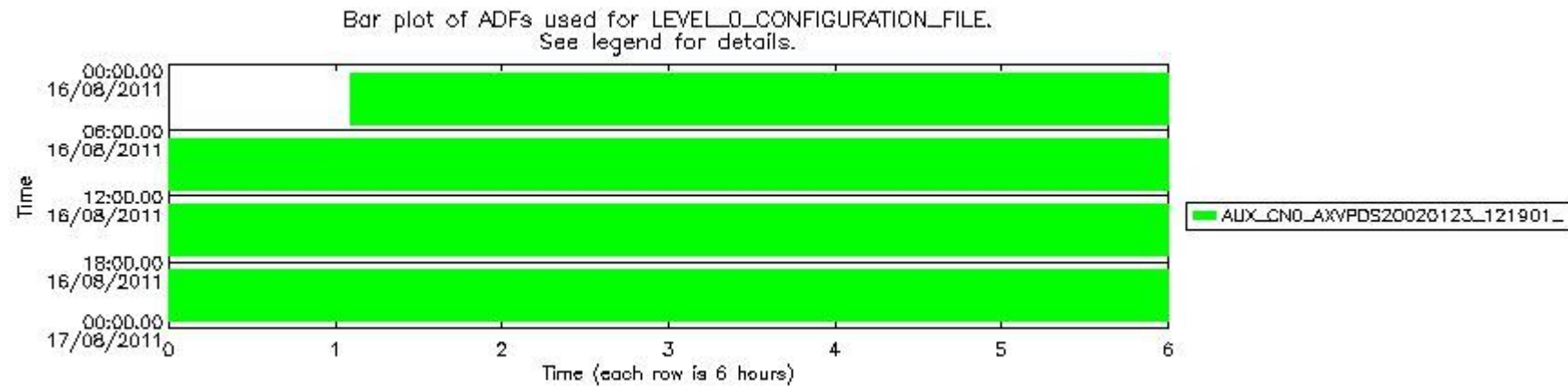
The use of ADFs is shown in two ways:

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.

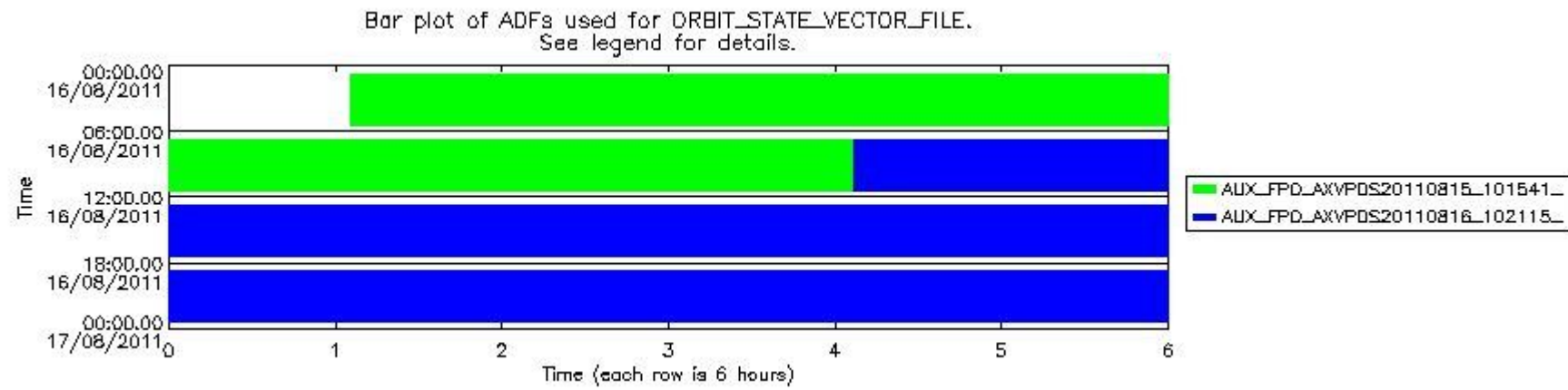
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110815_101541_20110814_191254_20110824_212641
2	AUX_FPO_AXVPDS20110816_102115_20110815_183610_20110825_204957

Number	Product name	#CN0	#FPO
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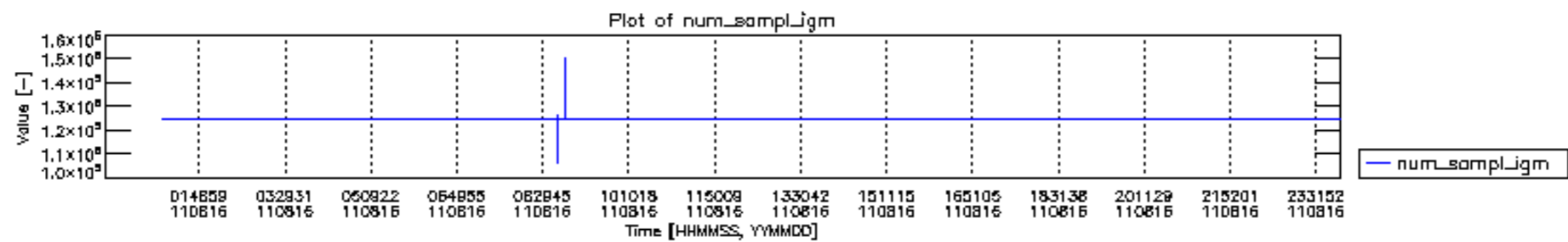
0	MIP_NL__0PNPDE20110816_010526_000102863105_00318_49470_9449.N1	0	1
1	MIP_NL__0PNPDE20110816_035619_000061613105_00320_49472_9450.N1	0	1
2	MIP_NL__0PNPDE20110816_053828_000060483105_00321_49473_9451.N1	0	1
3	MIP_NL__0PNPDK20110816_071843_000040993105_00322_49474_6059.N1	0	1
4	MIP_NL__0PNPDK20110816_082628_000060713105_00323_49475_6060.N1	0	1
5	MIP_NL__0PNPDK20110816_100655_000059373105_00324_49476_6061.N1	0	2
6	MIP_NL__0PNPDK20110816_114508_000060103105_00325_49477_6062.N1	0	2
7	MIP_NL__0PNPDK20110816_132445_000058723105_00326_49478_6063.N1	0	2
8	MIP_NL__0PNPDK20110816_150153_000058533105_00327_49479_6064.N1	0	2
9	MIP_NL__0PNPDK20110816_163824_000059753105_00328_49480_6065.N1	0	2
10	MIP_NL__0PNPDK20110816_181702_000059963105_00329_49481_6066.N1	0	2
11	MIP_NL__0PNPDE20110816_195520_000040883105_00330_49482_9452.N1	0	2
12	MIP_NL__0PNPDE20110816_210150_000064723105_00330_49482_9453.N1	0	2
13	MIP_NL__0PNPDE20110816_224843_000060773105_00331_49483_9454.N1	0	2

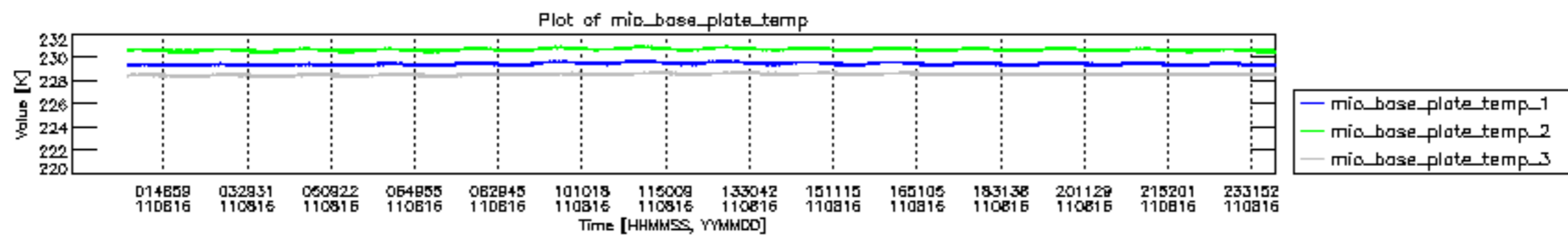


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110816\_12.PNG

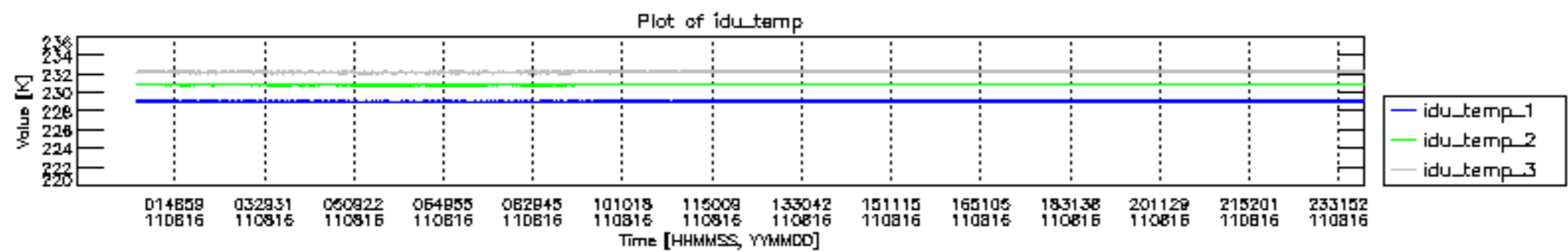


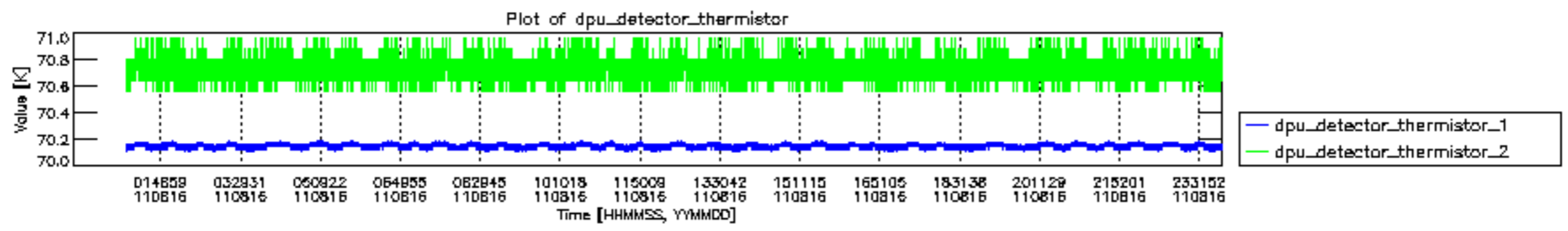
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110816\_13.PNG

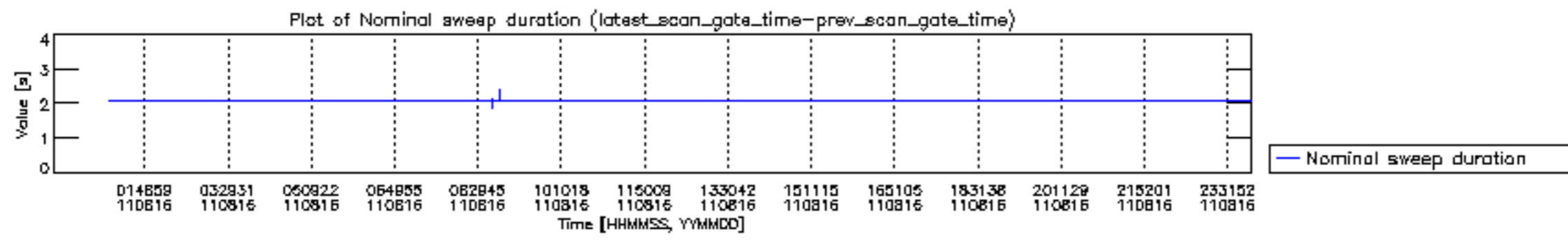


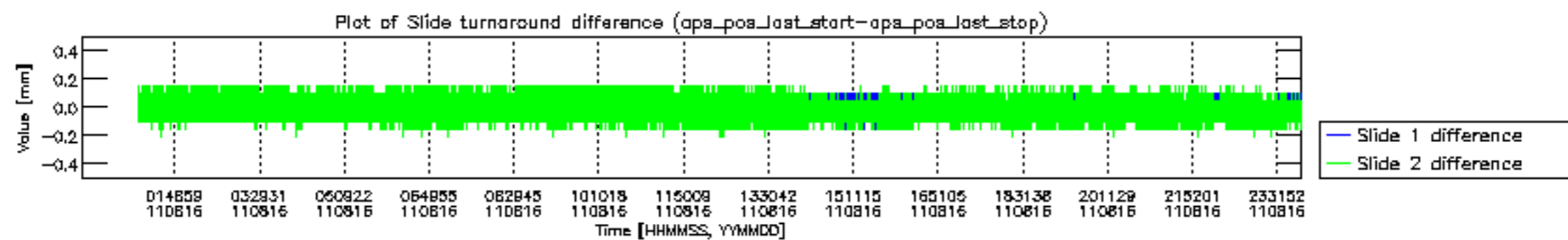


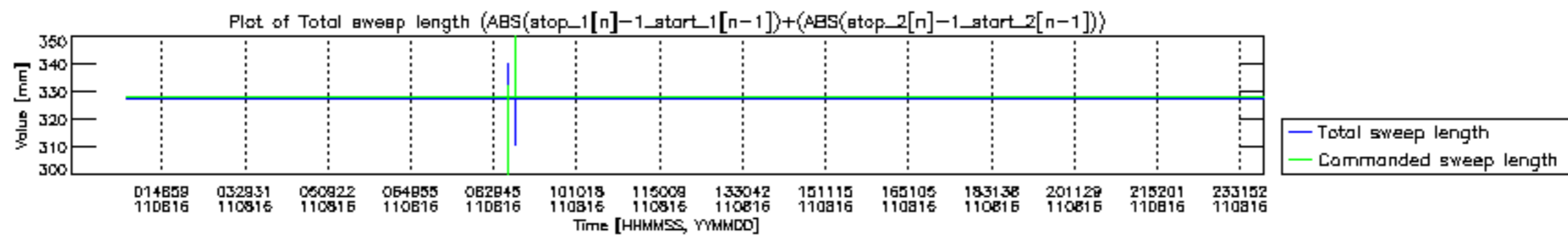


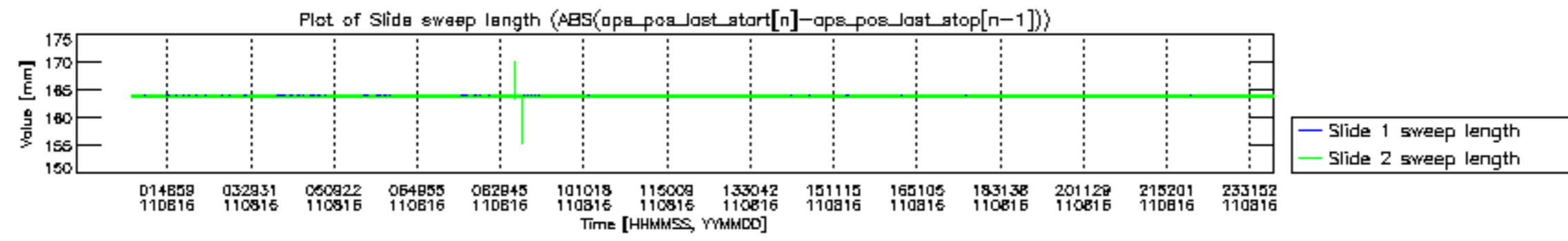


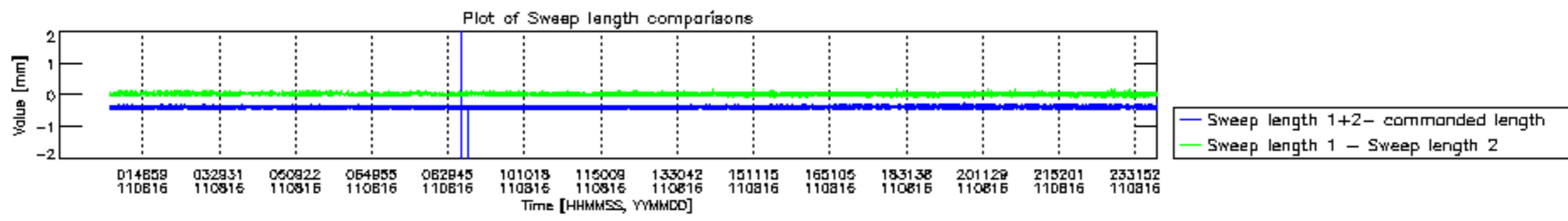


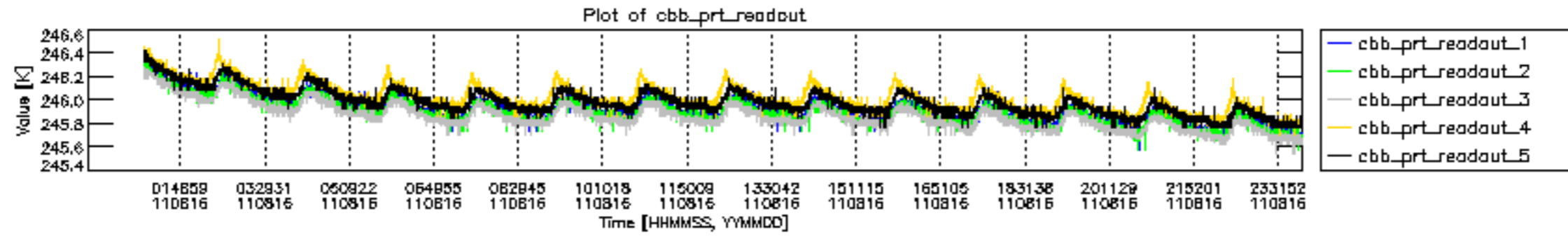




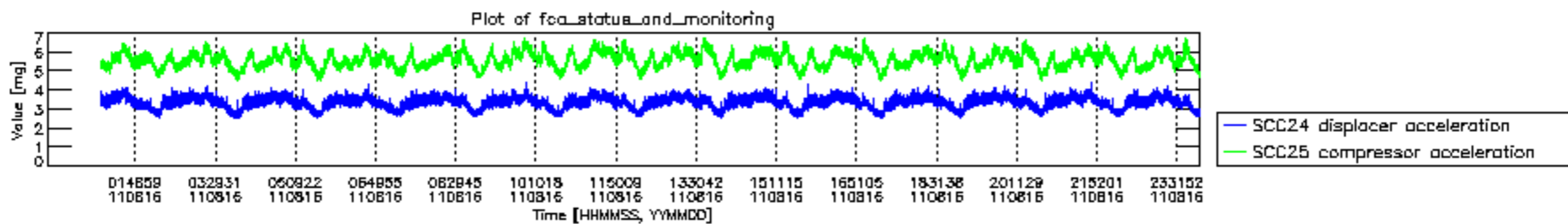












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

