

## 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	16JUN2011 05:23:57
Data source version	KSPT_L0/4504-N
Processing scope for products	11JUN2011 00:00:00 to 12JUN2011 00:00:00
Start time of first product within scope	11JUN2011 01:22:41
Stop time of last product within scope	12JUN2011 00:48:27
Total number of level 0 products	15
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__0PNPDE20110611_012241_000103773103_00232_48522_9009.N1	11JUN2011 01:22:41	11JUN2011 04:15:37	0	0	0	0	0
1	MIP_NL__0PNPDE20110611_020728_000076903103_00233_48523_9010.N1	11JUN2011 02:07:28	11JUN2011 04:15:37	0	0	0	0	0
2	MIP_NL__0PNPDE20110611_041506_000061823103_00234_48524_9012.N1	11JUN2011 04:15:06	11JUN2011 05:58:08	0	0	0	0	0
3	MIP_NL__0PNPDE20110611_055734_000062313103_00235_48525_9013.N1	11JUN2011 05:57:34	11JUN2011 07:41:25	0	0	0	0	0
4	MIP_NL__0PNPDK20110611_074035_000038633103_00236_48526_5458.N1	11JUN2011 07:40:35	11JUN2011 08:44:58	0	0	0	0	0
5	MIP_NL__0PNPDK20110611_084424_000061213103_00237_48527_5459.N1	11JUN2011 08:44:24	11JUN2011 10:26:26	0	0	0	0	0
6	MIP_NL__0PNPDK20110611_102544_000059923103_00238_48528_5460.N1	11JUN2011 10:25:44	11JUN2011 12:05:35	0	0	0	0	0
7	MIP_NL__0PNPDK20110611_120502_000059293103_00239_48529_5461.N1	11JUN2011 12:05:02	11JUN2011 13:43:51	0	0	0	0	0
8	MIP_NL__0PNPDK20110611_134317_000058933103_00240_48530_5463.N1	11JUN2011 13:43:17	11JUN2011 15:21:30	0	0	0	0	0
9	MIP_NL__0PNPDK20110611_152047_000058853103_00241_48531_5464.N1	11JUN2011 15:20:47	11JUN2011 16:58:52	0	0	0	0	0
10	MIP_NL__0PNPDK20110611_165812_000059003103_00242_48532_5465.N1	11JUN2011 16:58:12	11JUN2011 18:36:31	0	0	0	0	0
11	MIP_NL__0PNPDK20110611_183533_000059663103_00243_48533_5466.N1	11JUN2011 18:35:33	11JUN2011 20:14:59	0	0	0	0	0
12	MIP_NL__0PNPDE20110611_201325_000044433103_00244_48534_9014.N1	11JUN2011 20:13:25	11JUN2011 21:27:29	0	0	0	0	0
13	MIP_NL__0PNPDE20110611_212628_000061113103_00244_48534_9015.N1	11JUN2011 21:26:28	11JUN2011 23:08:19	0	0	0	0	0
14	MIP_NL__0PNPDE20110611_230720_000060673103_00245_48535_9016.N1	11JUN2011 23:07:20	12JUN2011 00:48:27	0	0	0	0	0

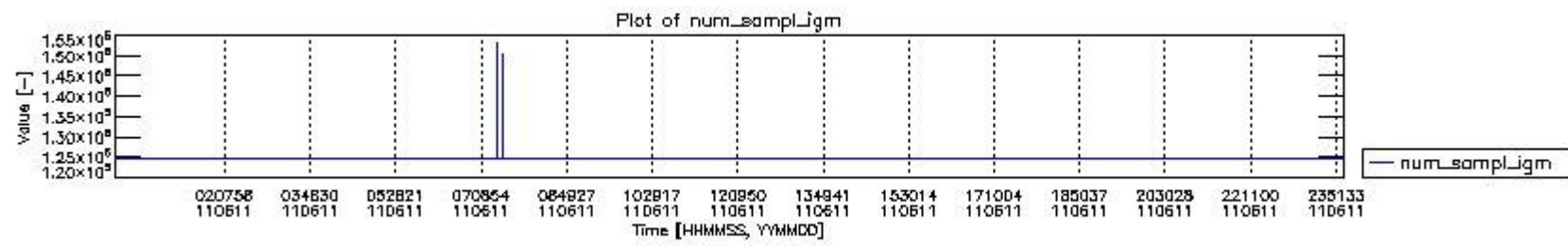
## 0.2 Instrument Operational Performance Parameters

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.

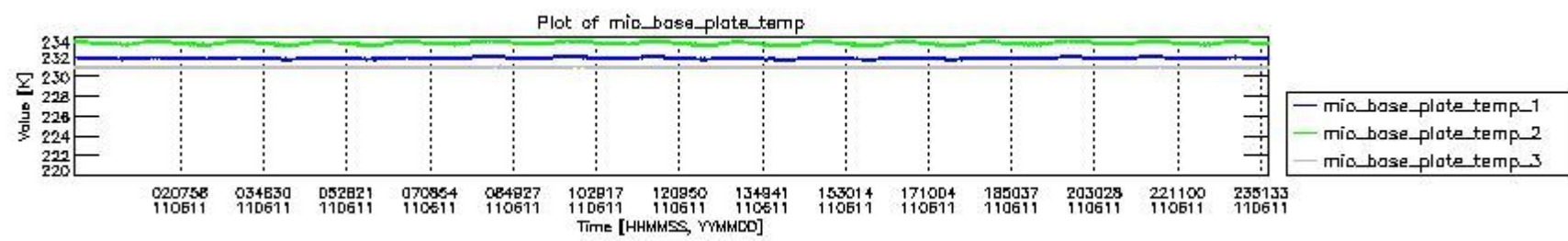
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124800	38634	92.888055
124803	2952	7.0975188
127531	1	0.0024043085

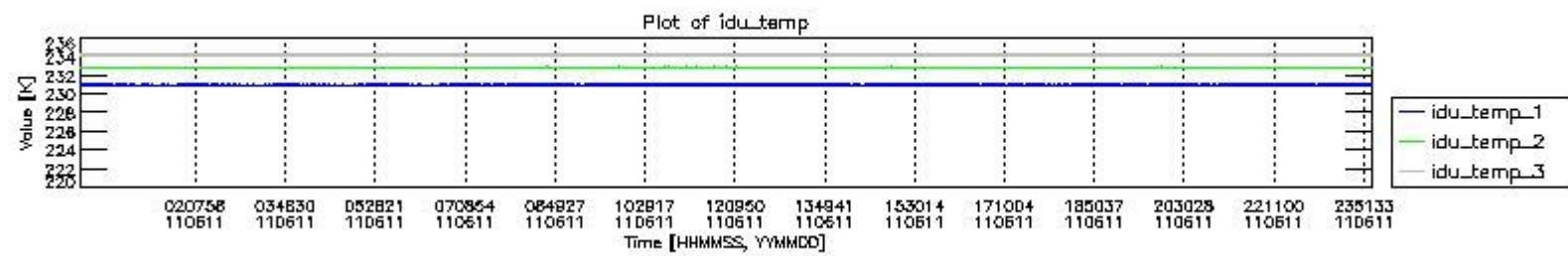
128869	1	0.0024043085
147663	1	0.0024043085
149001	1	0.0024043085
150394	1	0.0024043085
153070	1	0.0024043085



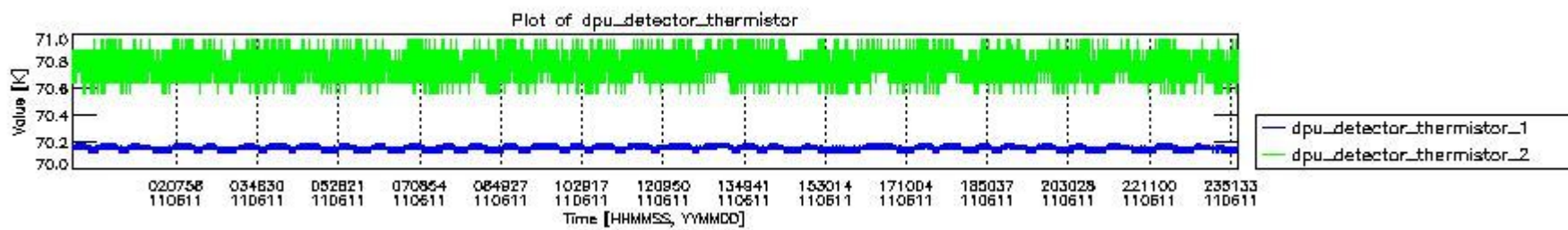
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110611\_0.PNG



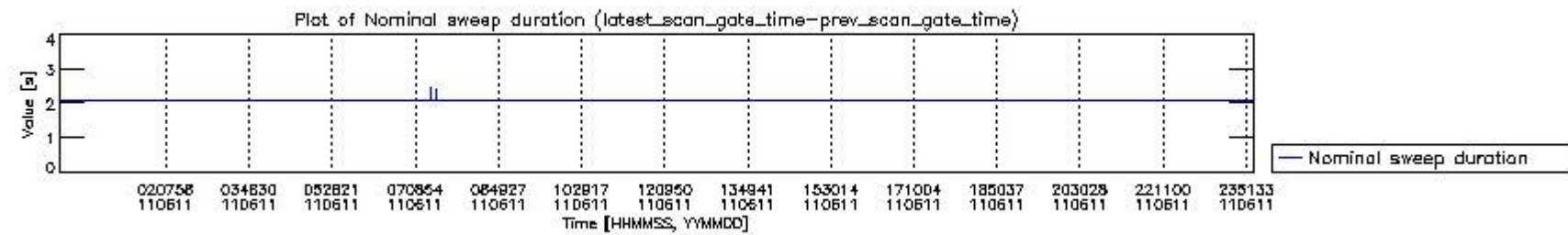
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110611\_1.PNG



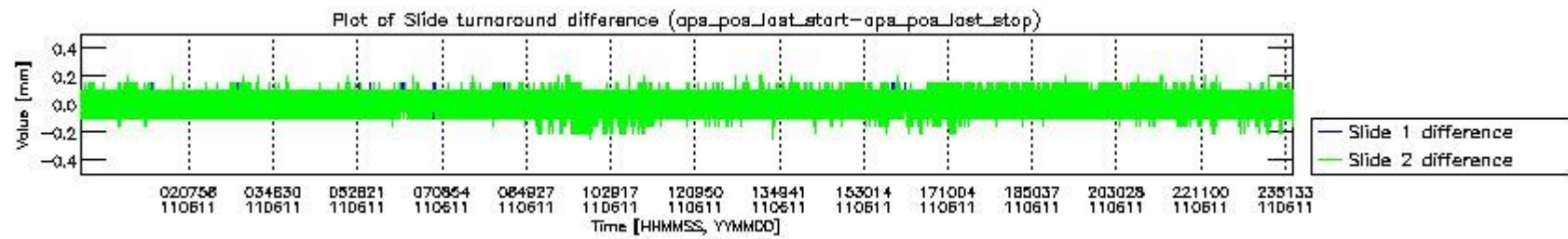
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110611\_2.PNG



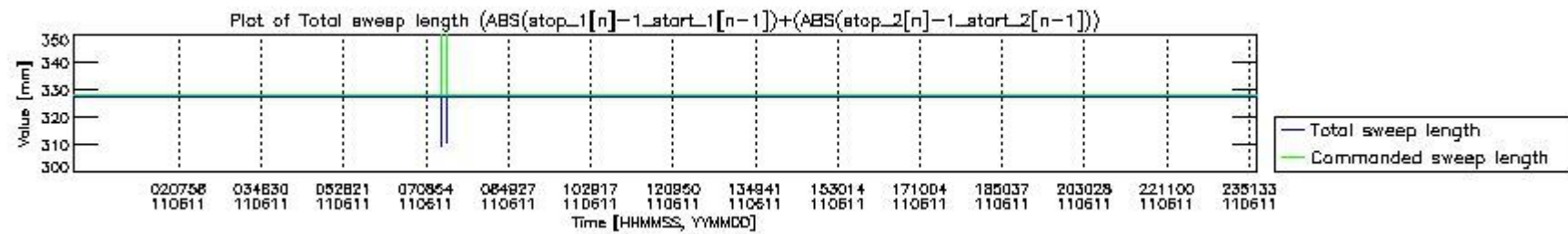
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110611\_3.PNG



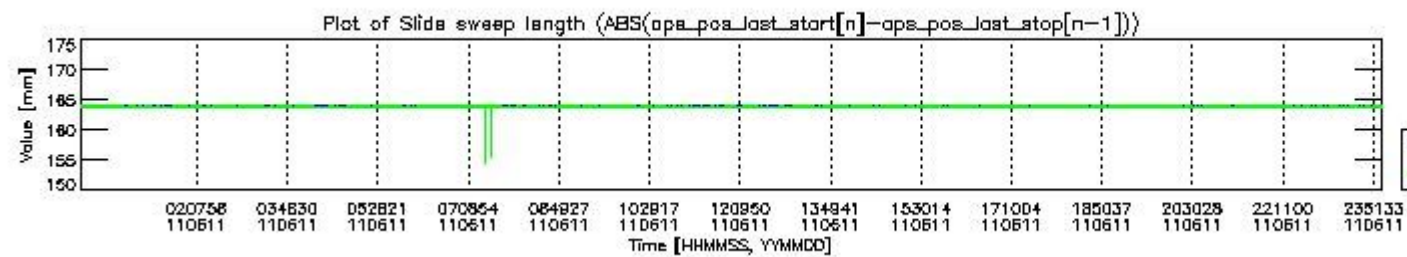
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110611\_4.PNG



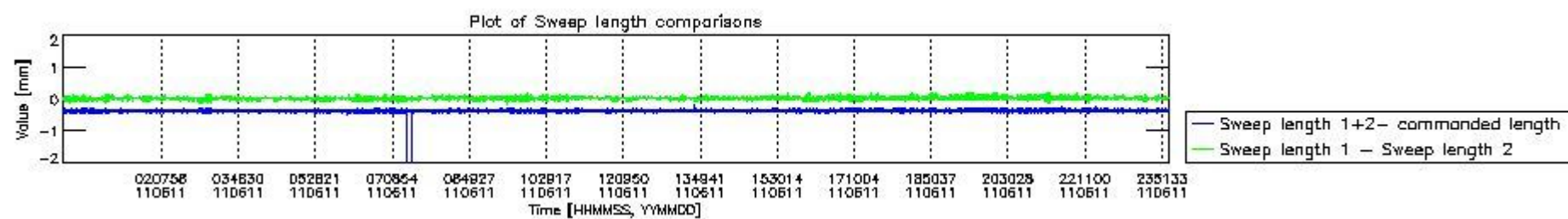
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110611\_5.PNG



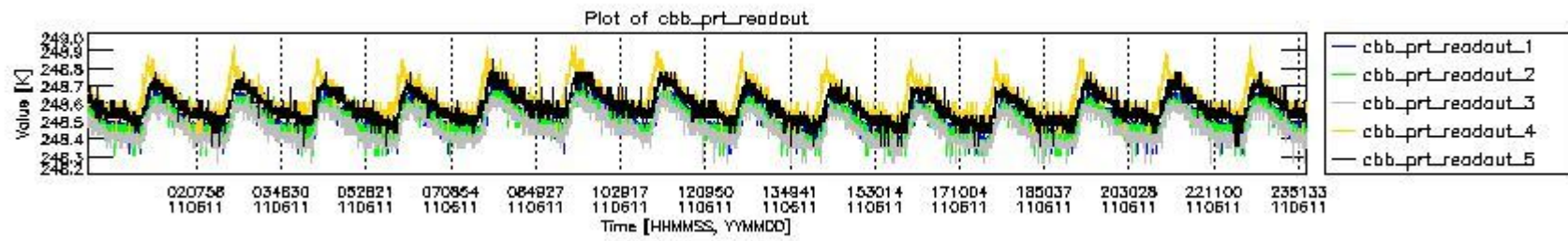
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110611\_6.PNG



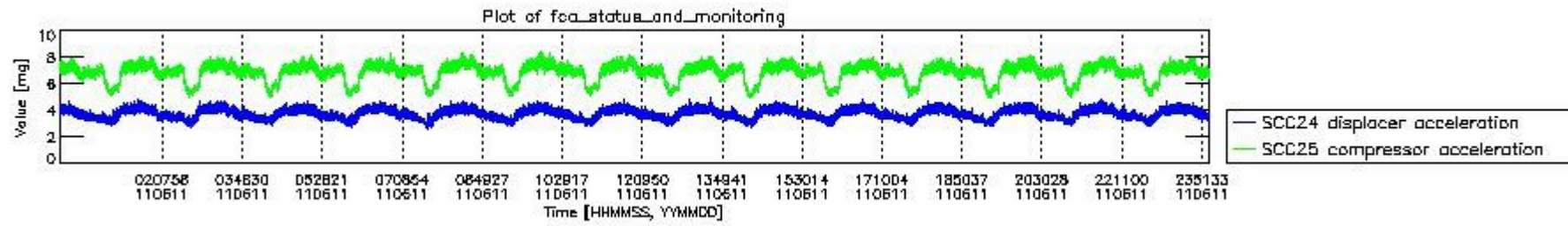
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110611\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110611\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110611\_9.PNG



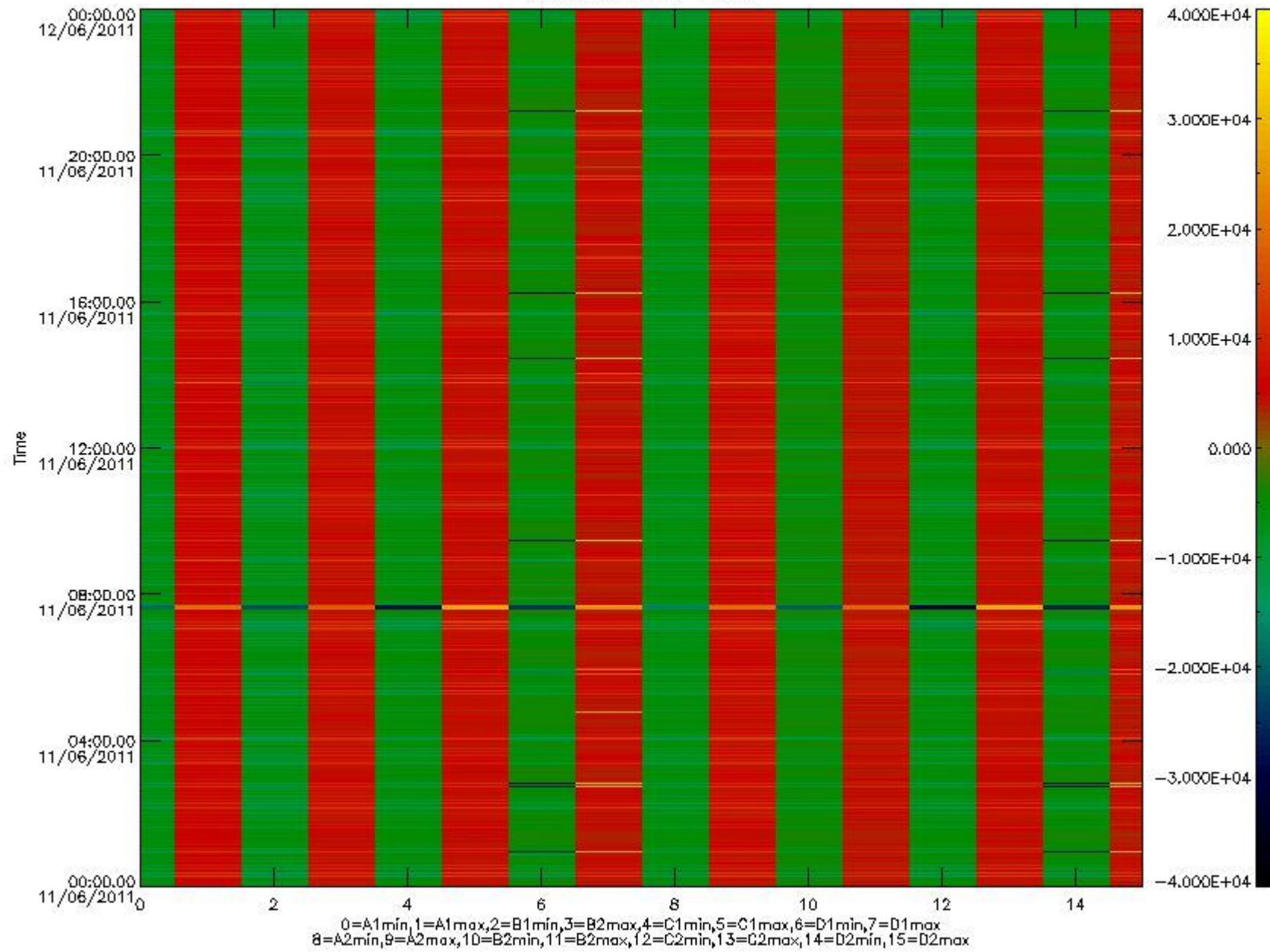
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110611\_10.PNG

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

Channel	Min	Max	ADC
A1	-19280	20524	16bit
B1	-22286	18996	16bit
C1	-28914	28845	16bit
D1	-32768	32767	16bit
A2	-16592	20674	16bit
B2	-20691	20200	16bit
C2	-30035	29693	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\_20110611\_11.PNG

### 0.3 ADF monitoring

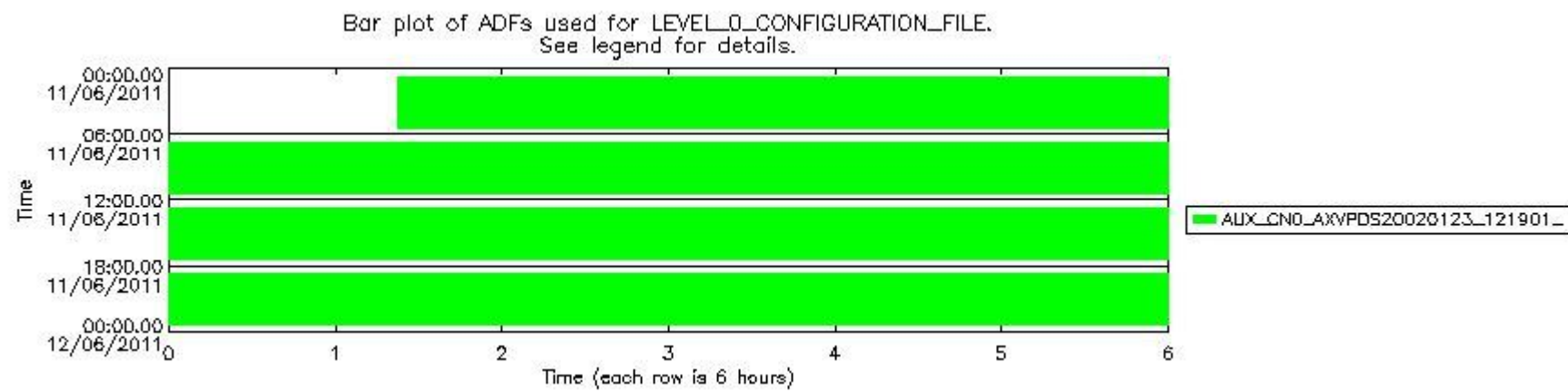
The use of ADFs is shown in two ways:

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.

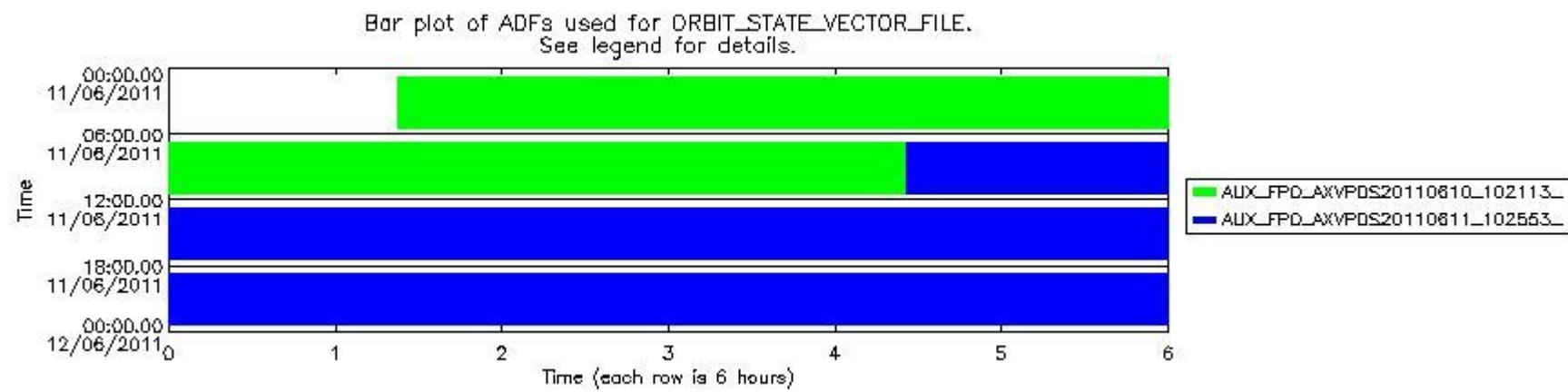
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110610_102113_20110609_193200_20110619_200533
2	AUX_FPO_AXVPDS20110611_102553_20110610_185516_20110620_210902

Number	Product name	#CN0	#FPO
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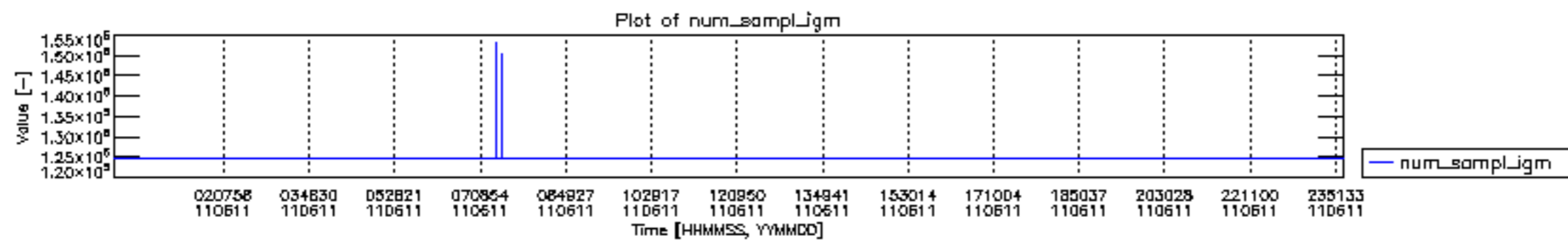
0	MIP_NL__0PNPDE20110611_012241_000103773103_00232_48522_9009.N1	0	1
1	MIP_NL__0PNPDE20110611_020728_000076903103_00233_48523_9010.N1	0	1
2	MIP_NL__0PNPDE20110611_041506_000061823103_00234_48524_9012.N1	0	1
3	MIP_NL__0PNPDE20110611_055734_000062313103_00235_48525_9013.N1	0	1
4	MIP_NL__0PNPDK20110611_074035_000038633103_00236_48526_5458.N1	0	1
5	MIP_NL__0PNPDK20110611_084424_000061213103_00237_48527_5459.N1	0	1
6	MIP_NL__0PNPDK20110611_102544_000059923103_00238_48528_5460.N1	0	2
7	MIP_NL__0PNPDK20110611_120502_000059293103_00239_48529_5461.N1	0	2
8	MIP_NL__0PNPDK20110611_134317_000058933103_00240_48530_5463.N1	0	2
9	MIP_NL__0PNPDK20110611_152047_000058853103_00241_48531_5464.N1	0	2
10	MIP_NL__0PNPDK20110611_165812_000059003103_00242_48532_5465.N1	0	2
11	MIP_NL__0PNPDK20110611_183533_000059663103_00243_48533_5466.N1	0	2
12	MIP_NL__0PNPDE20110611_201325_000044433103_00244_48534_9014.N1	0	2
13	MIP_NL__0PNPDE20110611_212628_000061113103_00244_48534_9015.N1	0	2
14	MIP_NL__0PNPDE20110611_230720_000060673103_00245_48535_9016.N1	0	2

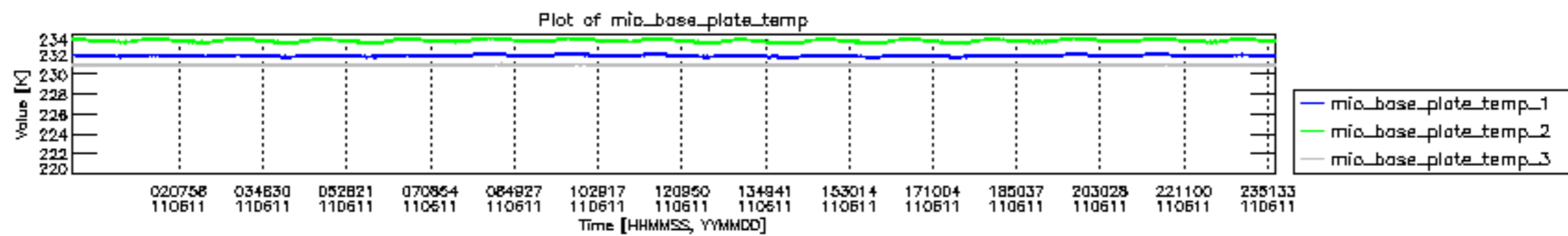


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110611\_12.PNG

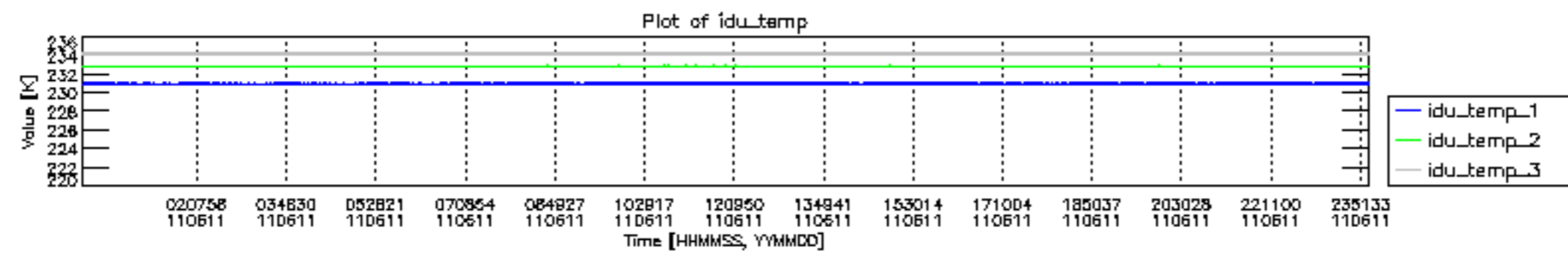


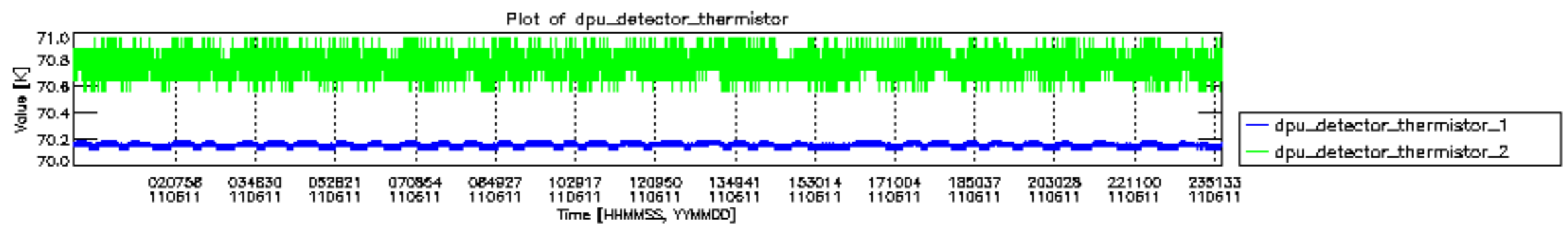
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110611\_13.PNG

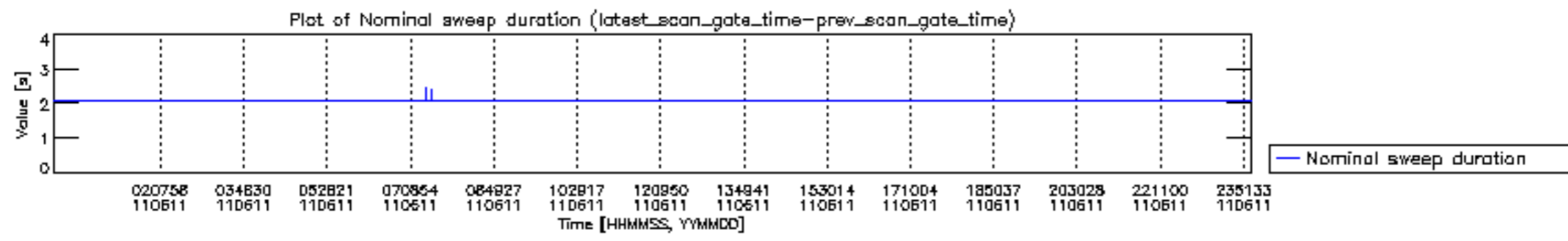


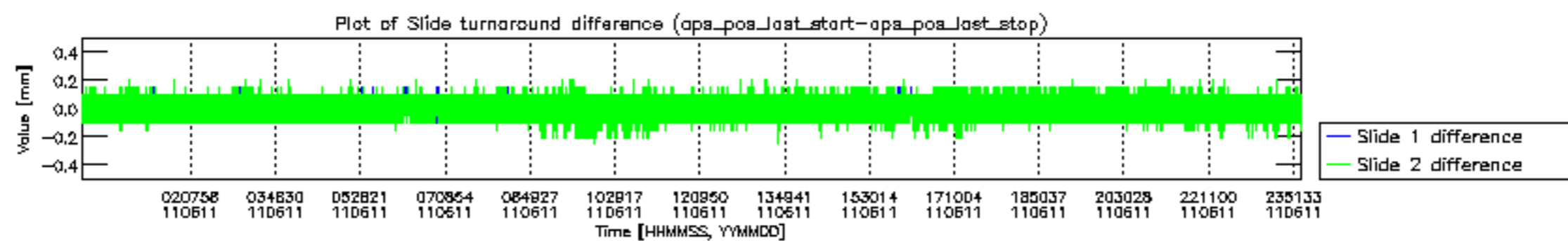


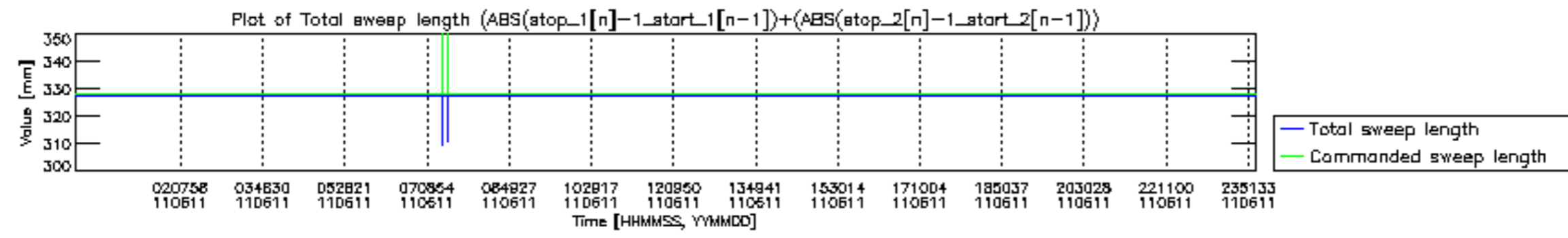




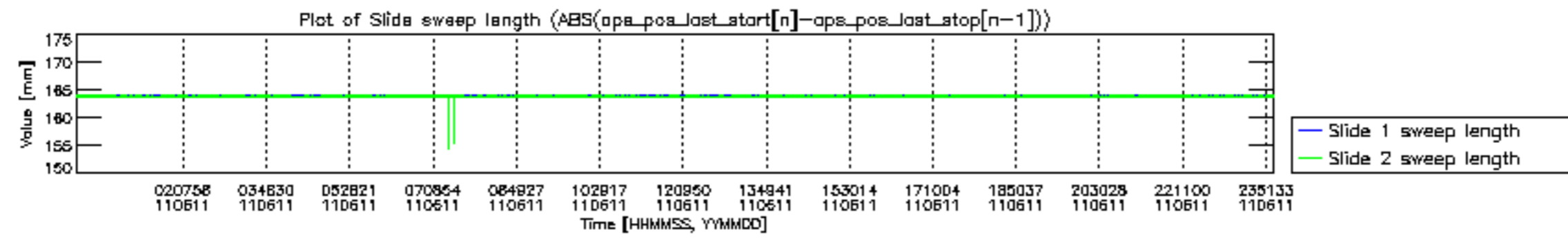


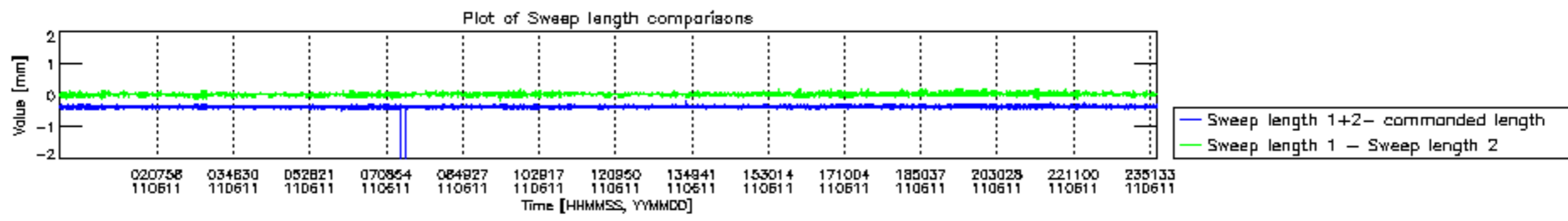


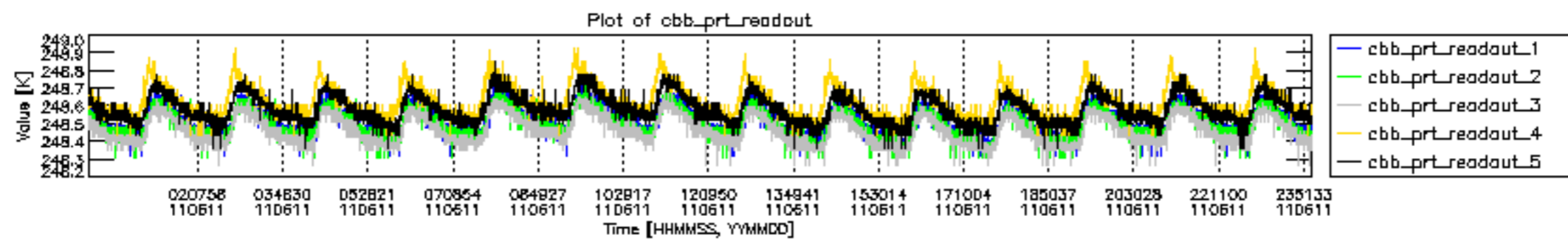


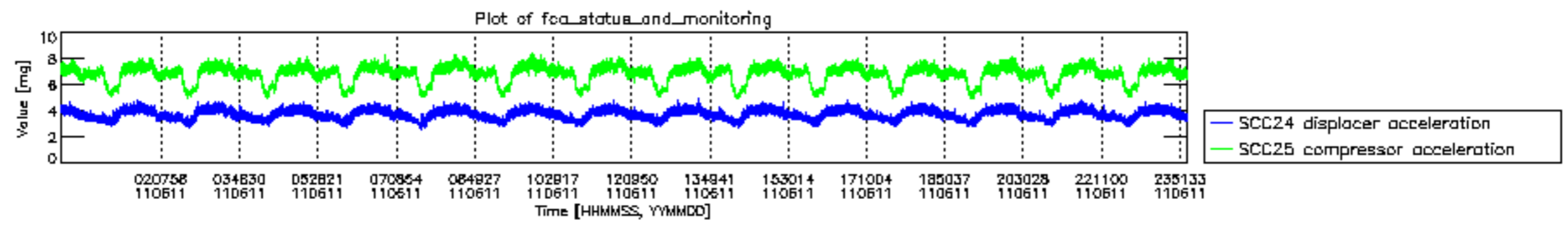












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

