

## 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	04JUN2011 05:22:38
Data source version	KSPT_L0/4504-N
Processing scope for products	30MAY2011 00:00:00 to 31MAY2011 00:00:00
Start time of first product within scope	30MAY2011 00:22:45
Stop time of last product within scope	31MAY2011 01:27:24
Total number of level 0 products	11
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__0PNPDE20110530_002245_000060123103_00059_48349_8814.N1	30MAY2011 00:22:45	30MAY2011 02:02:57	0	0	0	0	0
1	MIP_NL__0PNPDE20110530_020144_000044663103_00060_48350_8815.N1	30MAY2011 02:01:44	30MAY2011 03:16:10	0	0	0	0	0
2	MIP_NL__0PNPDE20110530_045729_000060413103_00062_48352_8817.N1	30MAY2011 04:57:29	30MAY2011 06:38:11	0	0	0	0	0
3	MIP_NL__0PNPDK20110530_063731_000040513103_00063_48353_5282.N1	30MAY2011 06:37:31	30MAY2011 07:45:02	0	0	0	0	0
4	MIP_NL__0PNPDK20110530_074426_000061153103_00064_48354_5283.N1	30MAY2011 07:44:26	30MAY2011 09:26:21	0	0	0	0	0
5	MIP_NL__0PNPDK20110530_092537_000060123103_00065_48355_5284.N1	30MAY2011 09:25:37	30MAY2011 11:05:48	0	0	0	0	0
6	MIP_NL__0PNPDK20110530_173638_000059333103_00070_48360_5289.N1	30MAY2011 17:36:38	30MAY2011 19:15:31	0	0	0	0	0
7	MIP_NL__0PNPDK20110530_191407_000061293103_00071_48361_5290.N1	30MAY2011 19:14:07	30MAY2011 20:56:16	0	0	0	0	0
8	MIP_NL__0PNPDE20110530_205444_000043473103_00072_48362_8818.N1	30MAY2011 20:54:44	30MAY2011 22:07:12	0	0	0	0	0
9	MIP_NL__0PNPDE20110530_220607_000061103103_00072_48362_8819.N1	30MAY2011 22:06:07	30MAY2011 23:47:57	0	0	0	0	0
10	MIP_NL__0PNPDE20110530_234644_000060393103_00073_48363_8820.N1	30MAY2011 23:46:44	31MAY2011 01:27:24	0	0	0	0	0

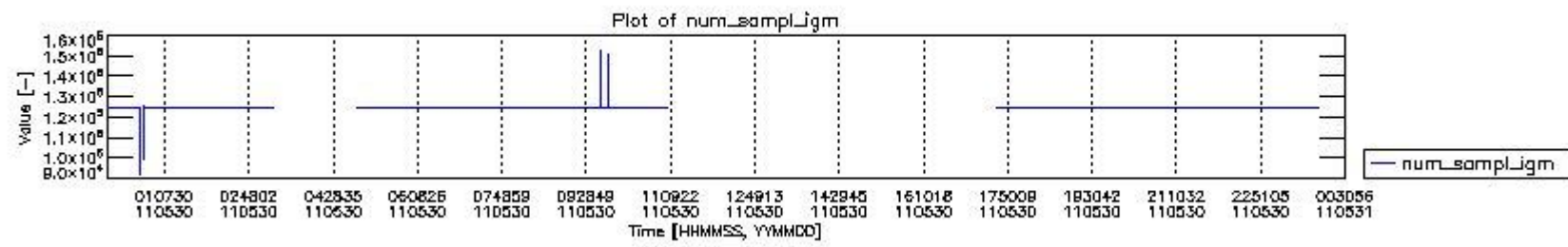
## 0.2 Instrument Operational Performance Parameters

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.

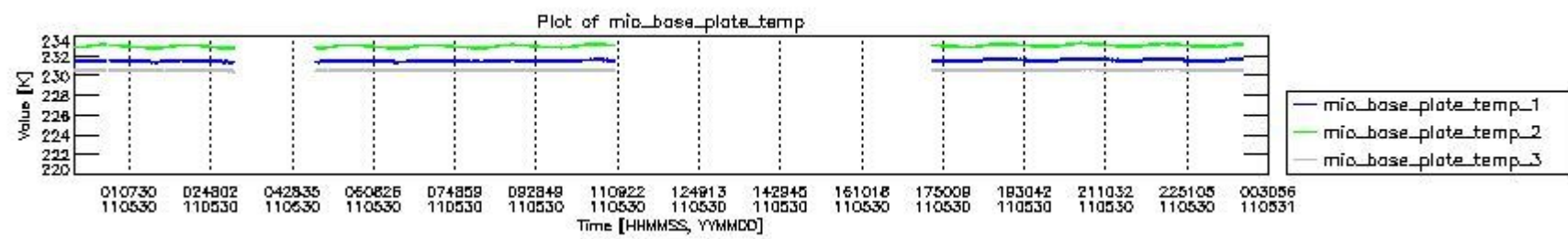
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
92258	1	0.0036666300
98463	1	0.0036666300
99739	1	0.0036666300
118595	1	0.0036666300
124800	25342	92.919737
124803	1919	7.0362630
124991	1	0.0036666300

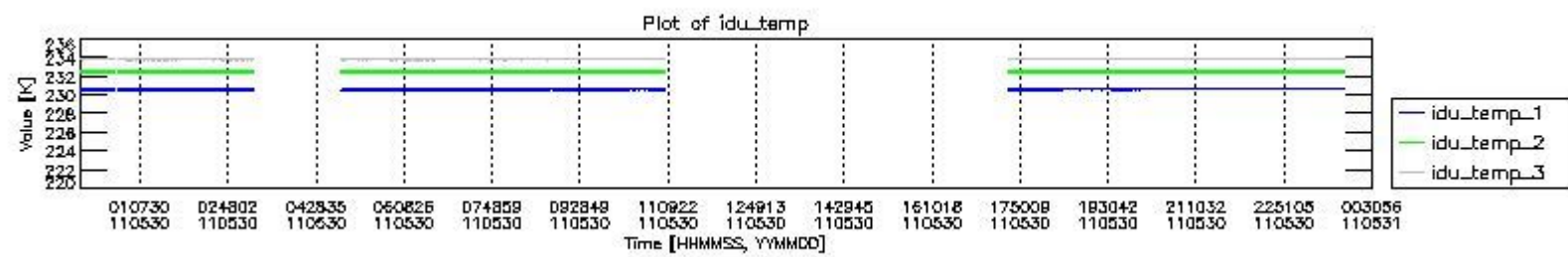
125182	1	0.0036666300
127679	1	0.0036666300
128646	1	0.0036666300
147811	1	0.0036666300
148778	1	0.0036666300
150690	1	0.0036666300
152624	1	0.0036666300



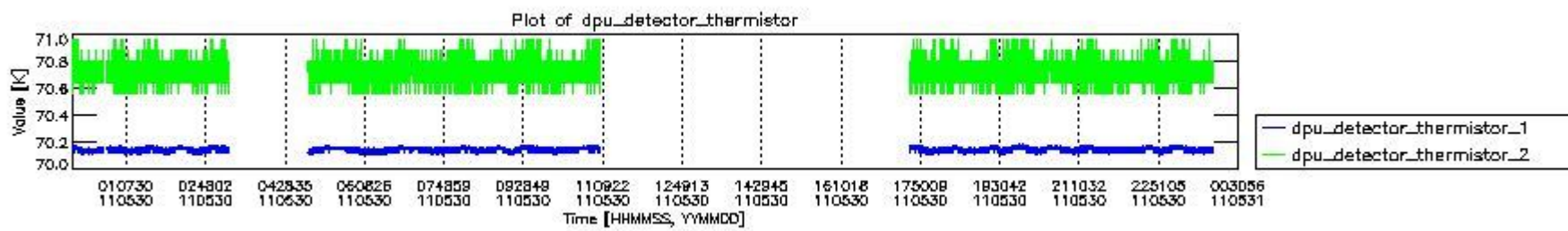
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110530\_0.PNG



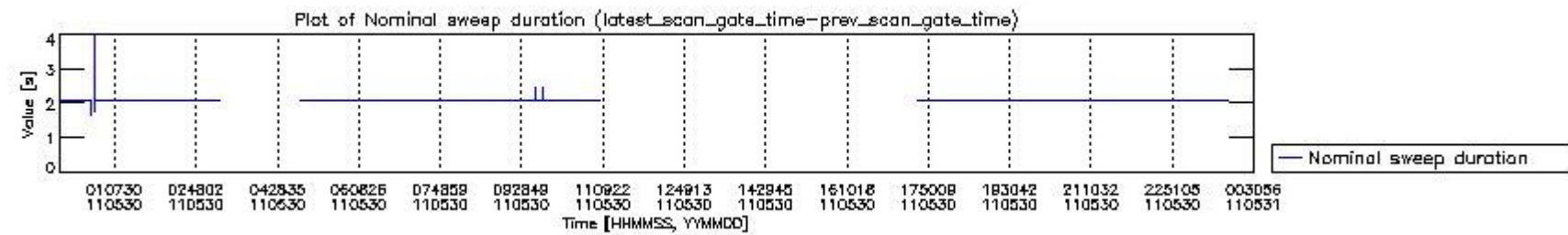
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110530\_1.PNG



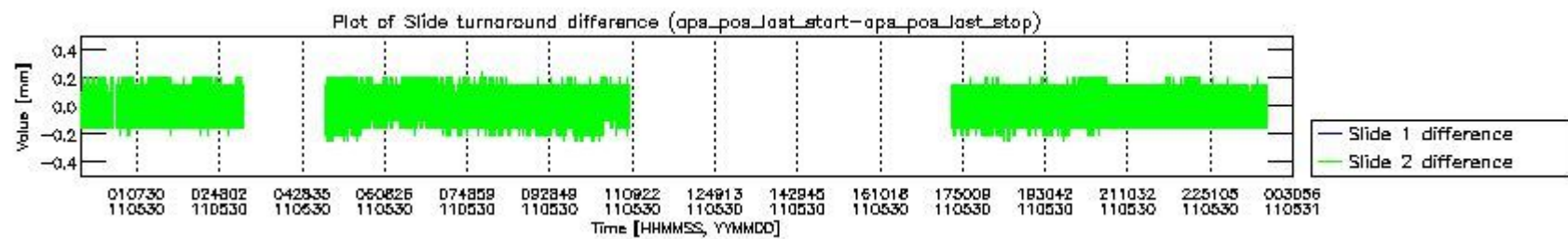
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110530\_2.PNG



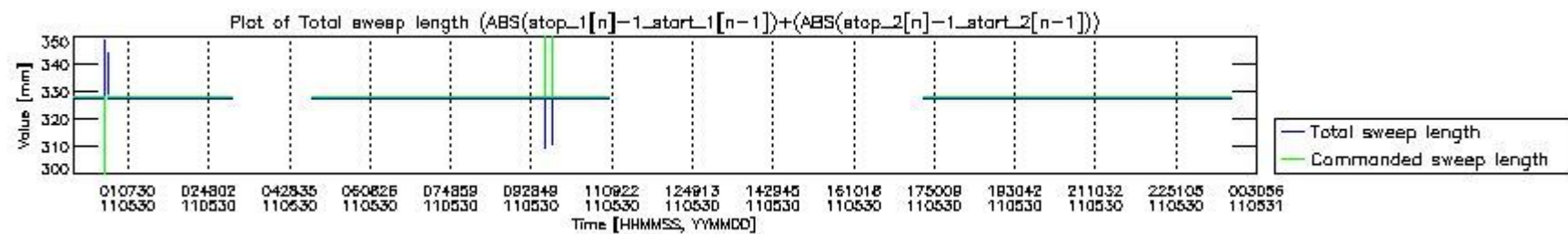
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110530\_3.PNG



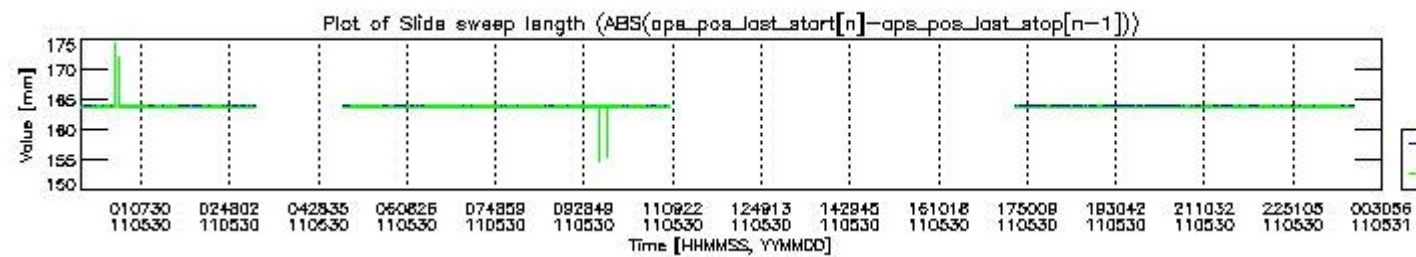
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110530\_4.PNG



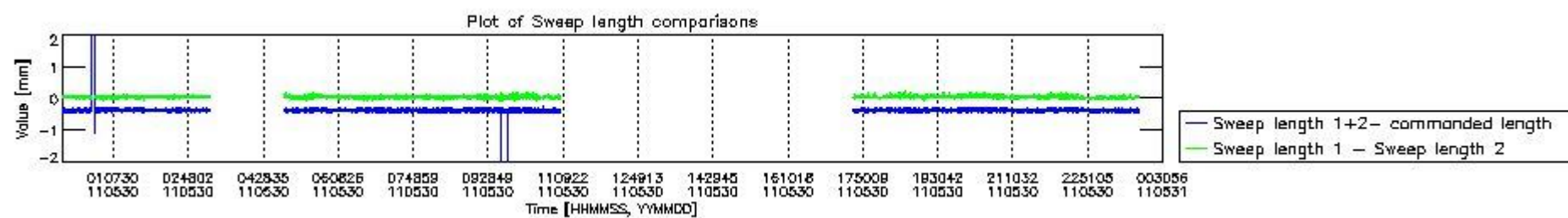
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110530\_5.PNG



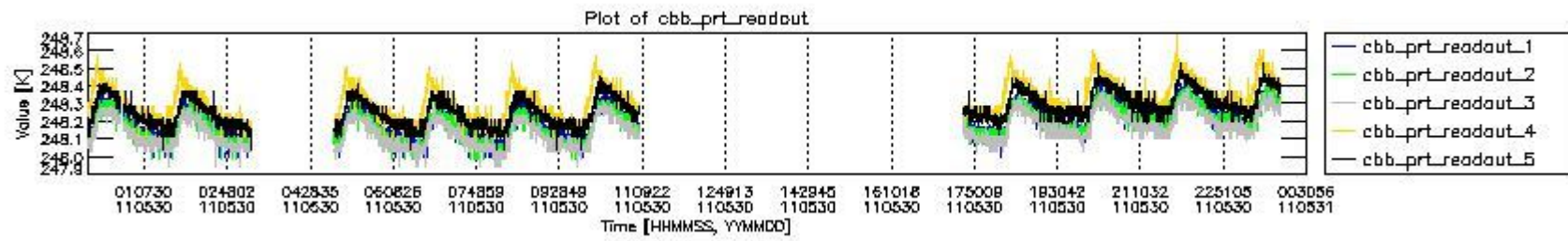
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110530\_6.PNG



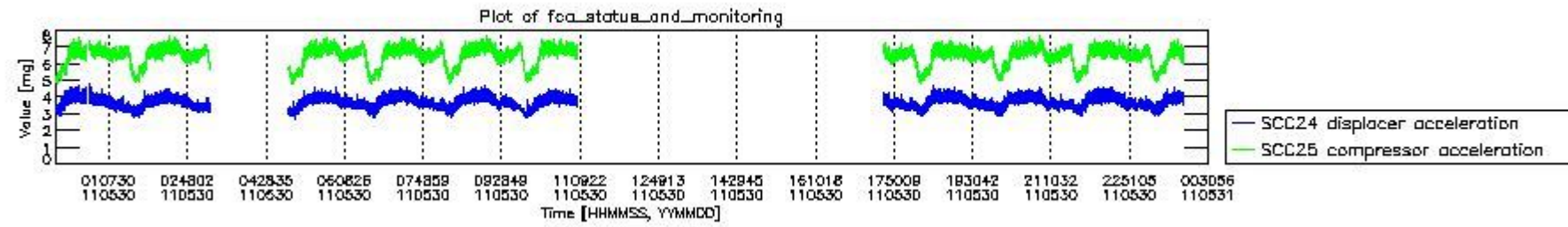
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110530\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110530\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110530\_9.PNG



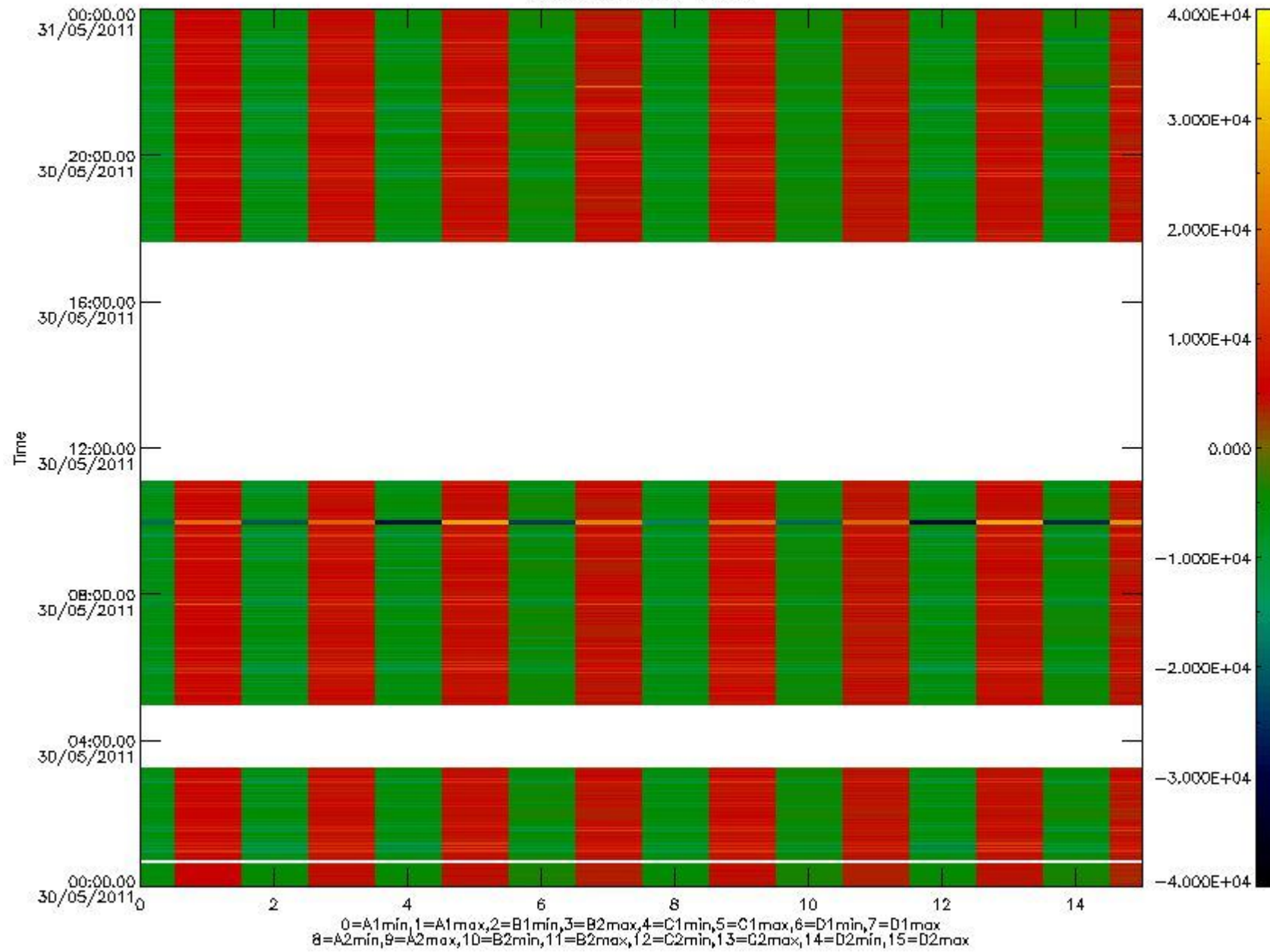
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110530\_10.PNG

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

Channel	Min	Max	ADC
A1	-19278	20541	16bit
B1	-21979	18778	16bit
C1	-28638	28558	16bit
D1	-32768	32767	16bit
A2	-16578	20640	16bit
B2	-20495	20012	16bit
C2	-29742	29396	16bit
D2	-32768	32767	16bit



MIPNL0P\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
Colour indicates value.



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110530\_11.PNG

### 0.3 ADF monitoring

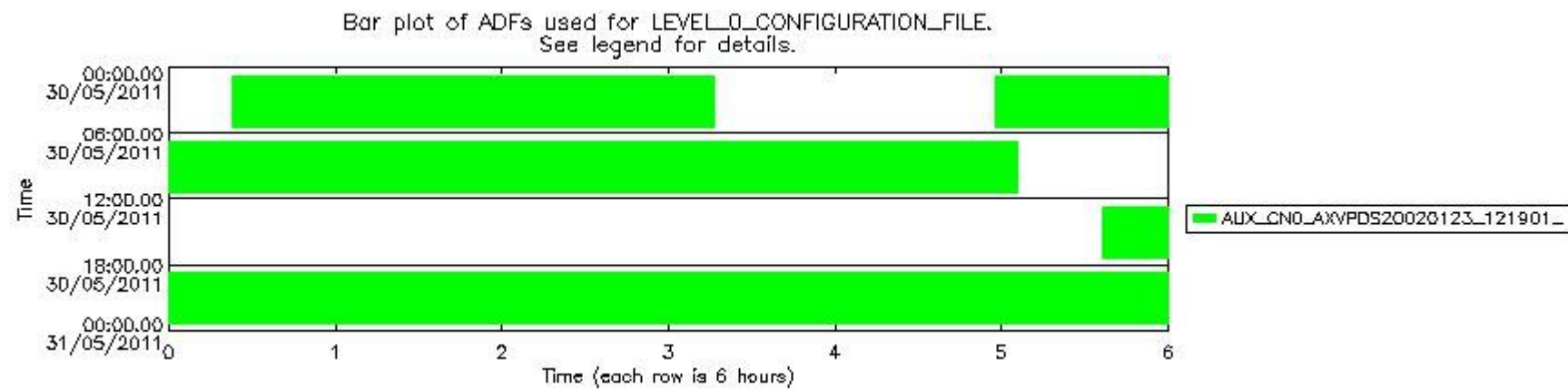
The use of ADFs is shown in two ways:

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.

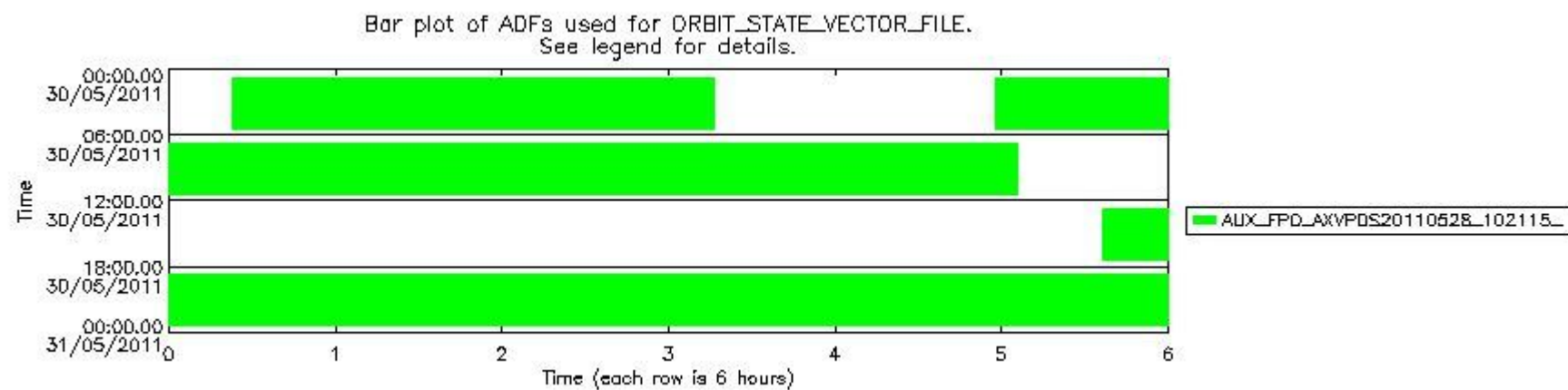
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110528_102115_20110527_190825_20110606_212212

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110530_002245_000060123103_00059_48349_8814.N1	0	1

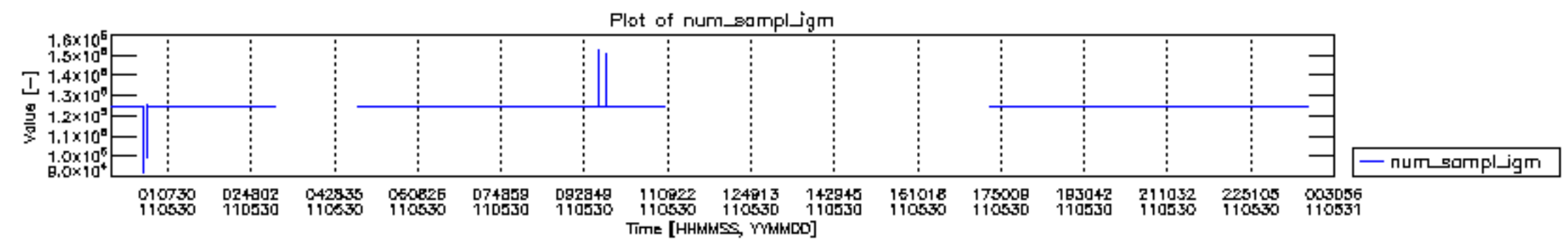
1	MIP_NL__0PNPDE20110530_020144_000044663103_00060_48350_8815.N1	0	1
2	MIP_NL__0PNPDE20110530_045729_000060413103_00062_48352_8817.N1	0	1
3	MIP_NL__0PNPDK20110530_063731_000040513103_00063_48353_5282.N1	0	1
4	MIP_NL__0PNPDK20110530_074426_000061153103_00064_48354_5283.N1	0	1
5	MIP_NL__0PNPDK20110530_092537_000060123103_00065_48355_5284.N1	0	1
6	MIP_NL__0PNPDK20110530_173638_000059333103_00070_48360_5289.N1	0	1
7	MIP_NL__0PNPDK20110530_191407_000061293103_00071_48361_5290.N1	0	1
8	MIP_NL__0PNPDE20110530_205444_000043473103_00072_48362_8818.N1	0	1
9	MIP_NL__0PNPDE20110530_220607_000061103103_00072_48362_8819.N1	0	1
10	MIP_NL__0PNPDE20110530_234644_000060393103_00073_48363_8820.N1	0	1

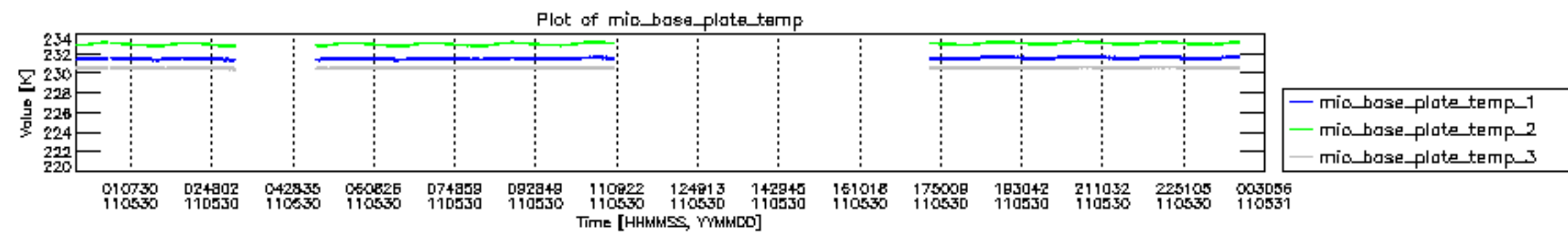


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110530\_12.PNG

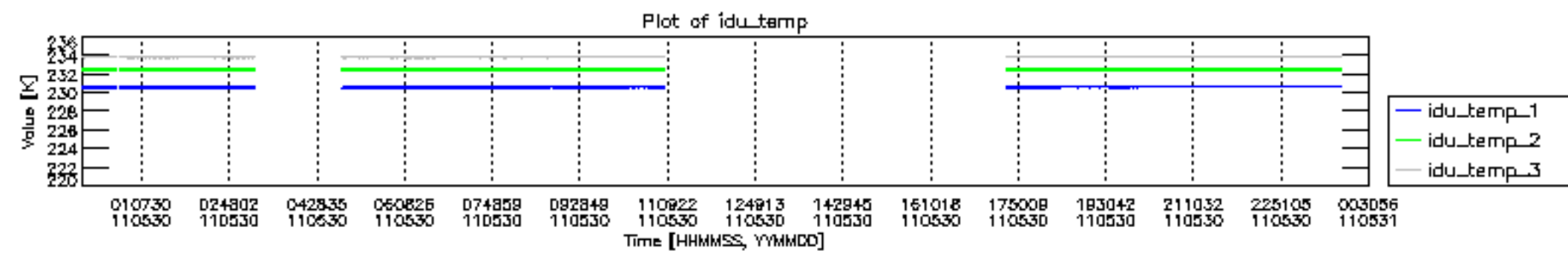


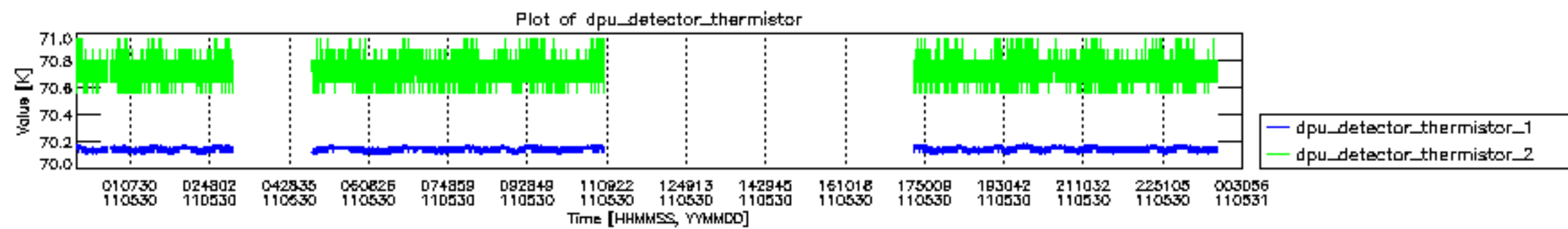
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110530\_13.PNG

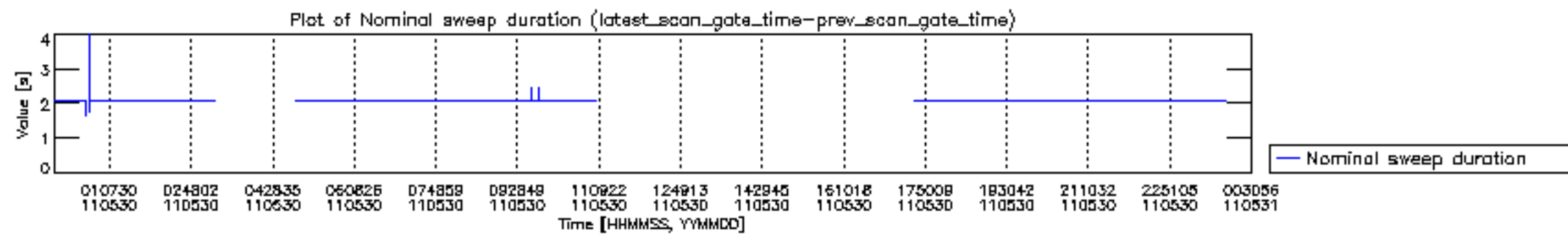


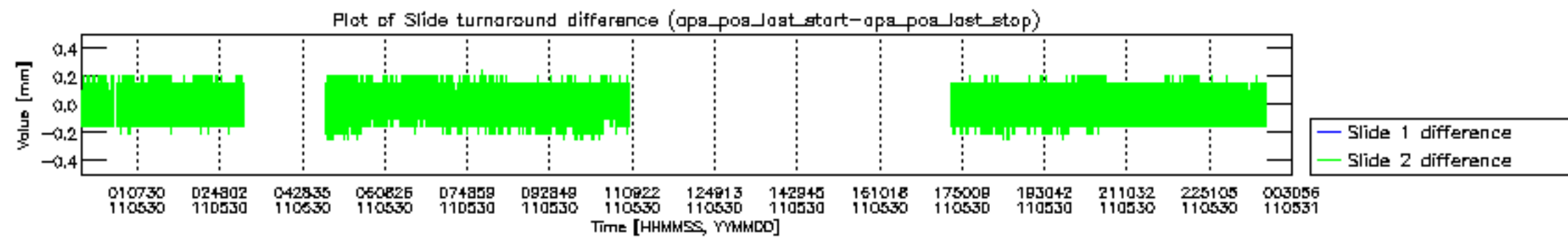


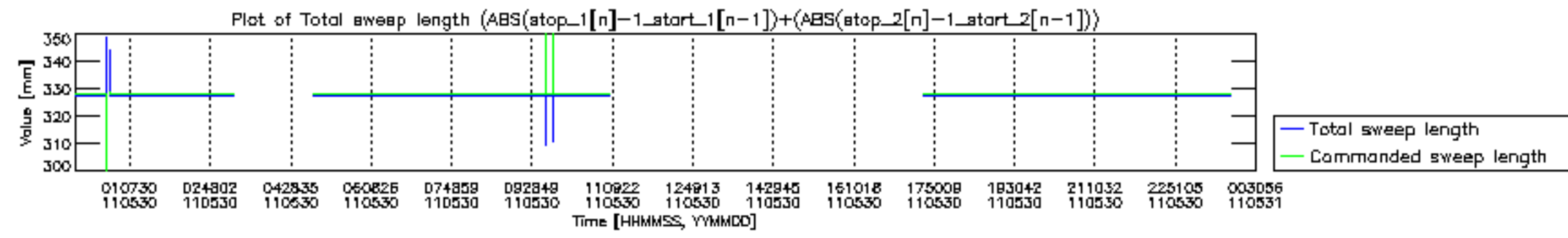




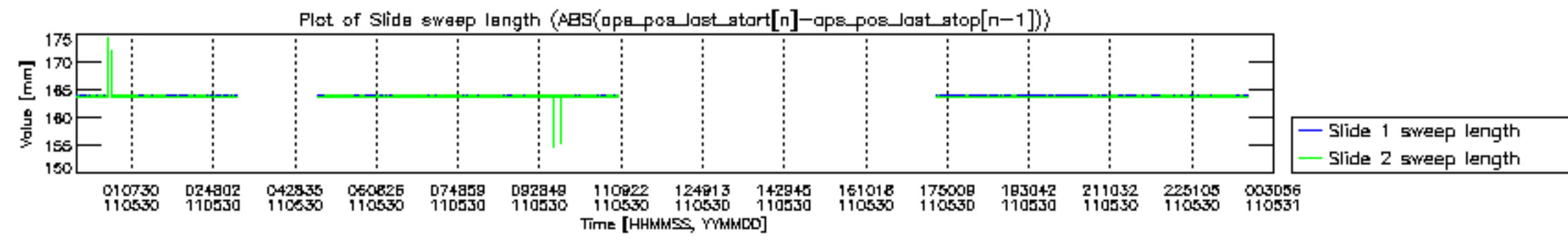


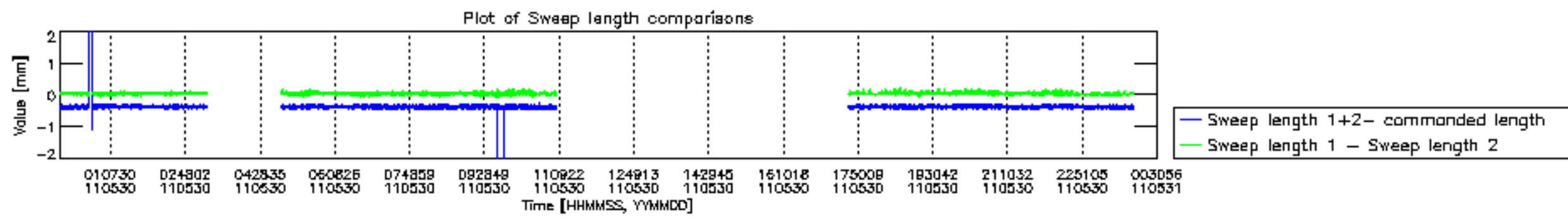


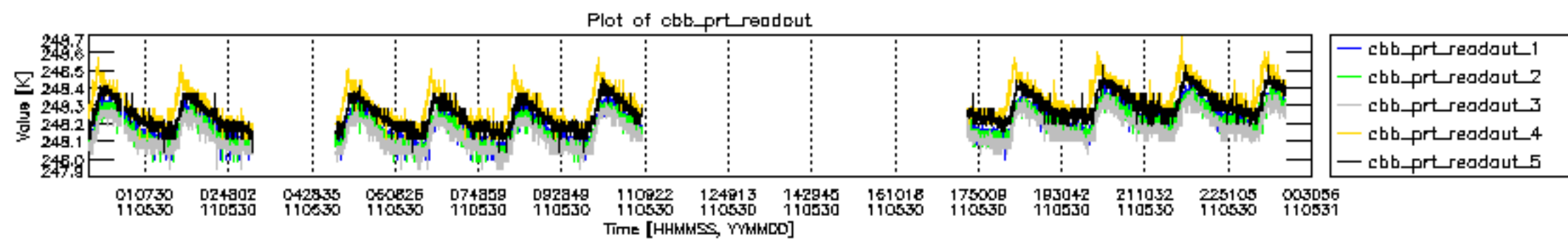


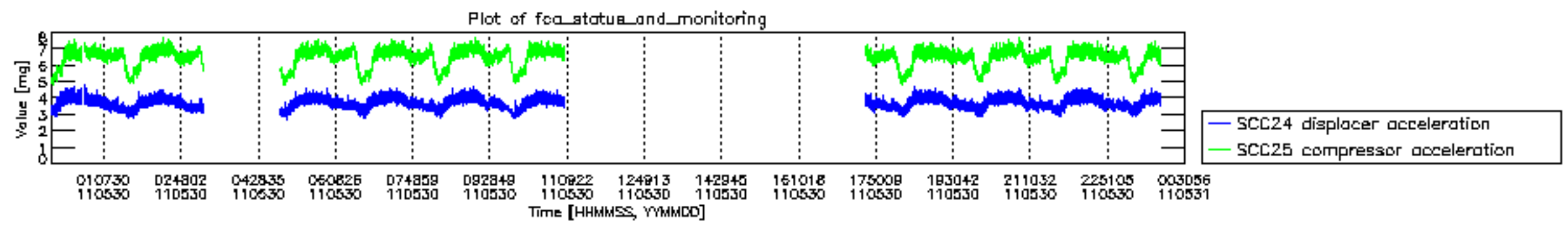












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

