

## 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	01JUL2011 05:24:58
Data source version	KSPT_L0/4504-N
Processing scope for products	26JUN2011 00:00:00 to 27JUN2011 00:00:00
Start time of first product within scope	26JUN2011 02:10:18
Stop time of last product within scope	27JUN2011 01:38:09
Total number of level 0 products	14
Number of level 0 products with errors	2

### 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__0PNPDE20110626_021018_000045903104_00017_48738_9113.N1	26JUN2011 02:10:18	26JUN2011 03:26:47	0	0	0	0	0
1	MIP_NL__0PNPDE20110626_032614_000061133104_00018_48739_9114.N1	26JUN2011 03:26:14	26JUN2011 05:08:07	0	0	0	0	0
2	MIP_NL__0PNPDK20110626_064813_000040903104_00020_48741_5589.N1	26JUN2011 06:48:13	26JUN2011 07:56:23	0	0	0	0	0
3	MIP_NL__0PNPDK20110626_075552_000060673104_00021_48742_5590.N1	26JUN2011 07:55:52	26JUN2011 09:36:58	0	0	0	0	0
4	MIP_NL__0PNPDK20110626_093614_000060313104_00022_48743_5591.N1	26JUN2011 09:36:14	26JUN2011 11:16:45	1	1	0	0	0
5	MIP_NL__0PNPDK20110626_111604_000059603104_00023_48744_5592.N1	26JUN2011 11:16:04	26JUN2011 12:55:23	0	0	0	0	0
6	MIP_NL__0PNPDK20110626_125450_000059563104_00024_48745_5593.N1	26JUN2011 12:54:50	26JUN2011 14:34:06	0	0	0	0	0
7	MIP_NL__0PNPDK20110626_143333_000058083104_00025_48746_5594.N1	26JUN2011 14:33:33	26JUN2011 16:10:20	0	0	0	0	0
8	MIP_NL__0PNPDK20110626_160938_000059063104_00026_48747_5595.N1	26JUN2011 16:09:38	26JUN2011 17:48:04	1	1	0	0	0
9	MIP_NL__0PNPDK20110626_174710_000059183104_00027_48748_5596.N1	26JUN2011 17:47:10	26JUN2011 19:25:48	0	0	0	0	0
10	MIP_NL__0PNPDK20110626_192450_000061883104_00028_48749_5597.N1	26JUN2011 19:24:50	26JUN2011 21:07:57	0	0	0	0	0
11	MIP_NL__0PNPDE20110626_210701_000042603104_00029_48750_9116.N1	26JUN2011 21:07:01	26JUN2011 22:18:01	0	0	0	0	0
12	MIP_NL__0PNPDE20110626_221658_000060603104_00029_48750_9117.N1	26JUN2011 22:16:58	26JUN2011 23:57:58	0	0	0	0	0
13	MIP_NL__0PNPDE20110626_235658_000060713104_00030_48751_9118.N1	26JUN2011 23:56:58	27JUN2011 01:38:09	0	0	0	0	0

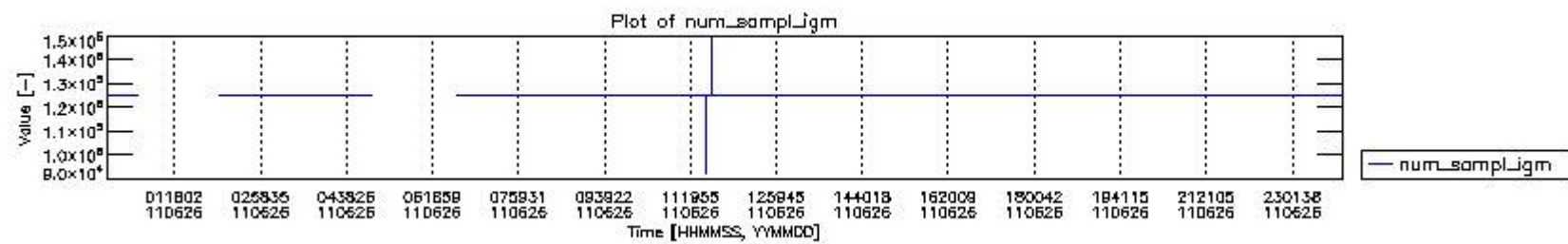
## 0.2 Instrument Operational Performance Parameters

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.

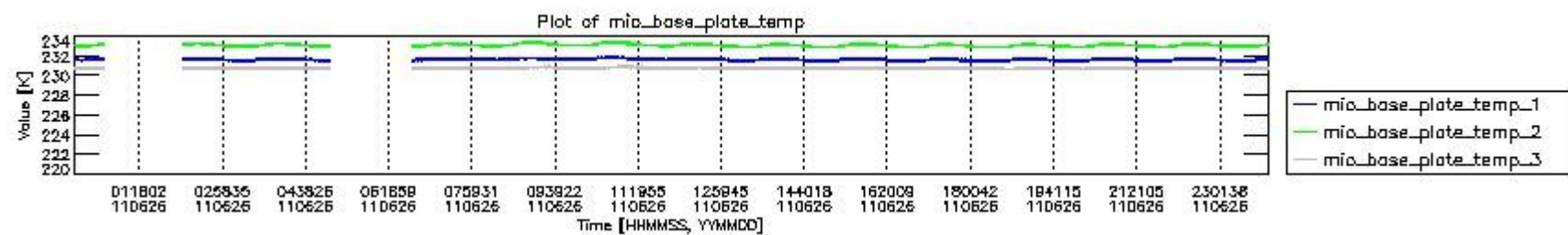
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
92704	1	0.0027827248
98686	1	0.0027827248
118818	1	0.0027827248
124800	33389	92.912400

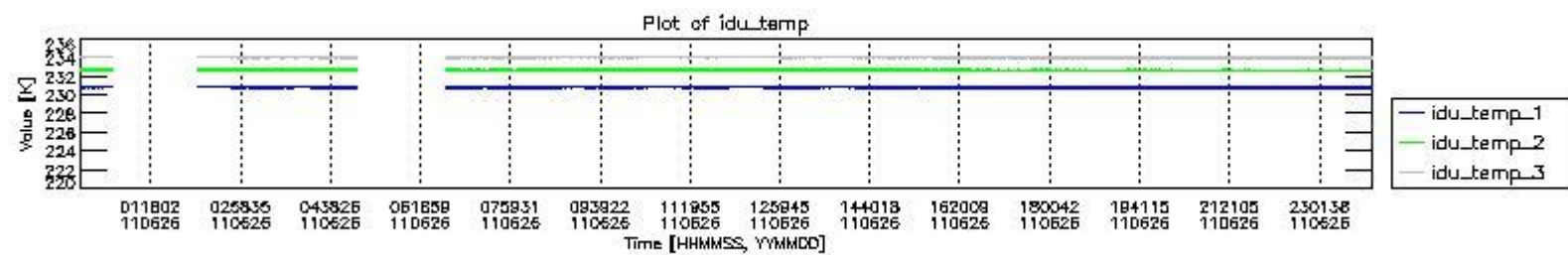
124803	2541	7.0709038
127085	1	0.0027827248
147217	1	0.0027827248
149502	1	0.0027827248



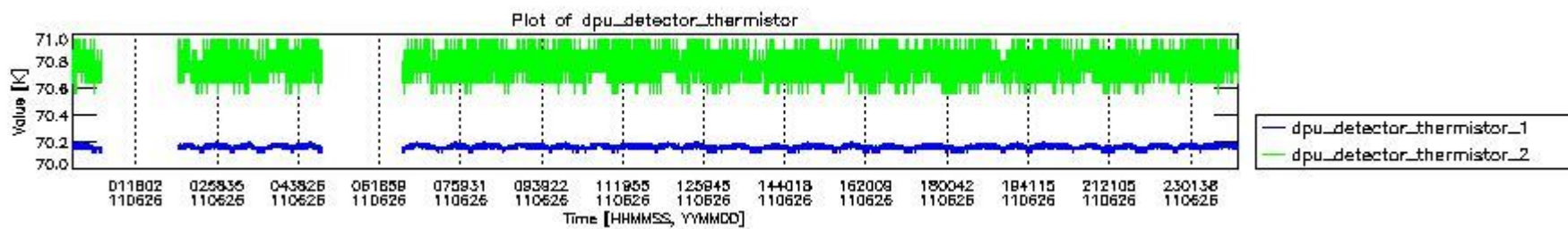
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110626\_0.PNG



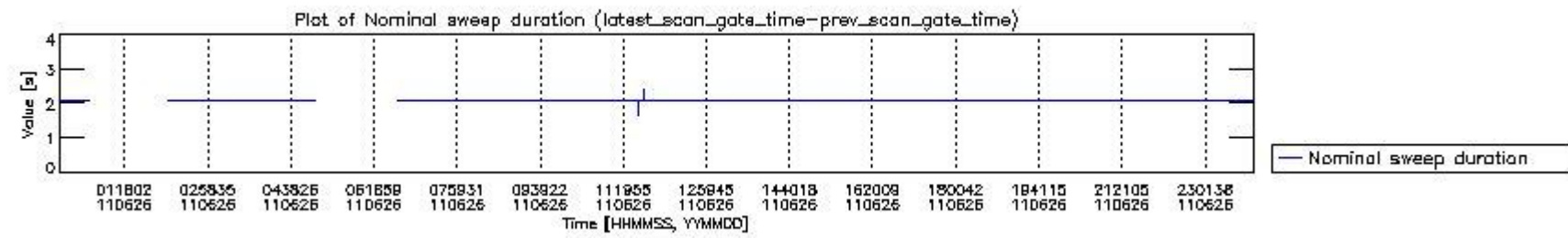
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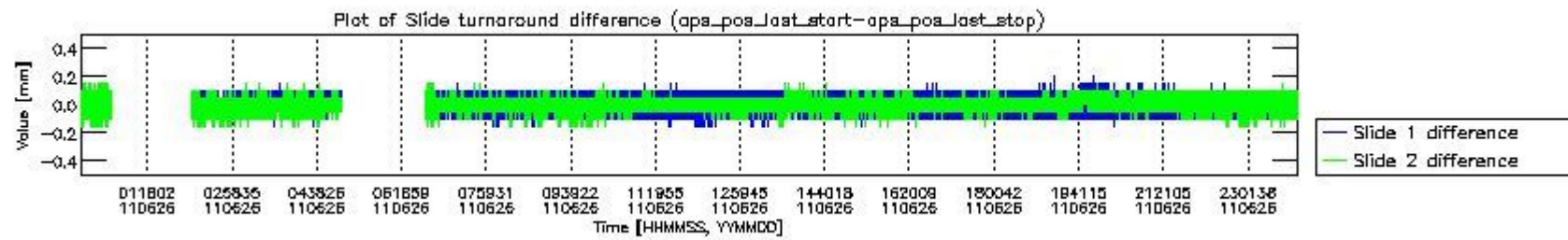
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110626\_2.PNG



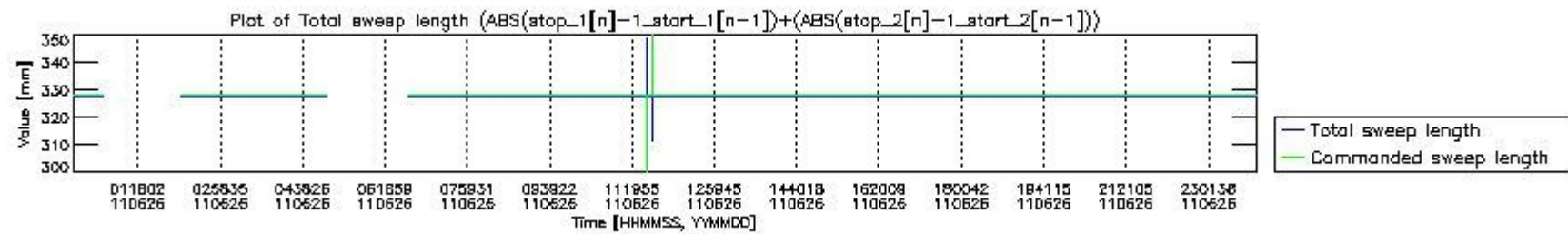
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110626\_3.PNG



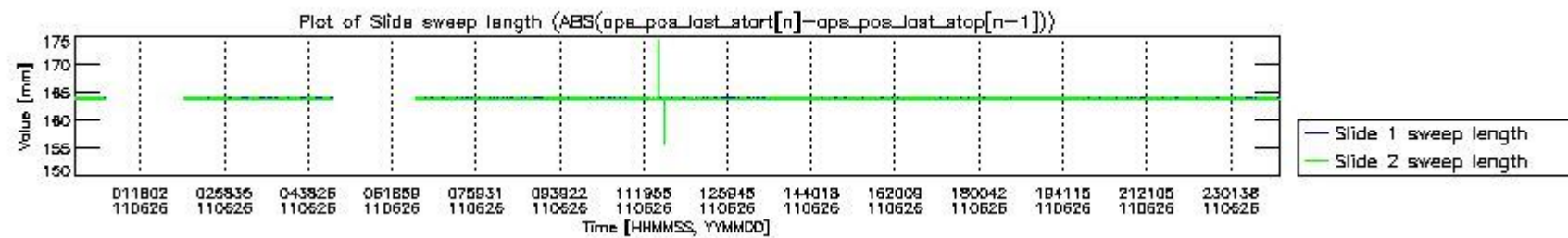
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110626\_4.PNG



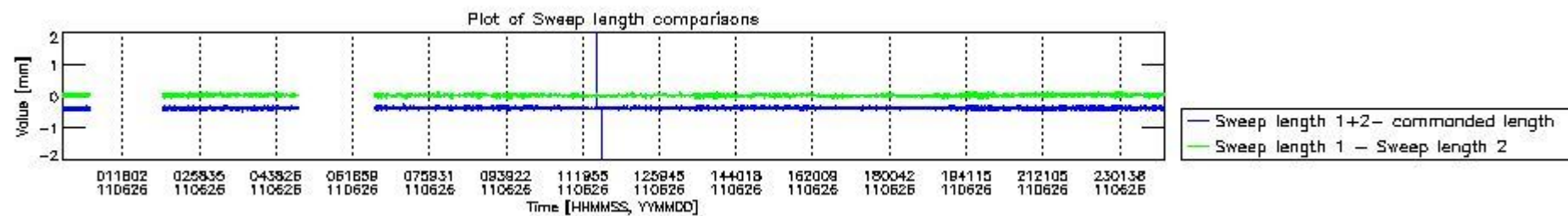
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110626\_5.PNG



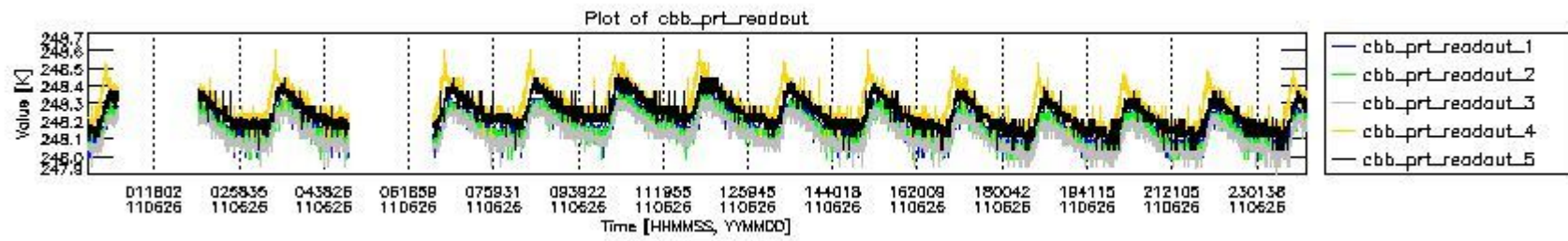
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110626\_6.PNG



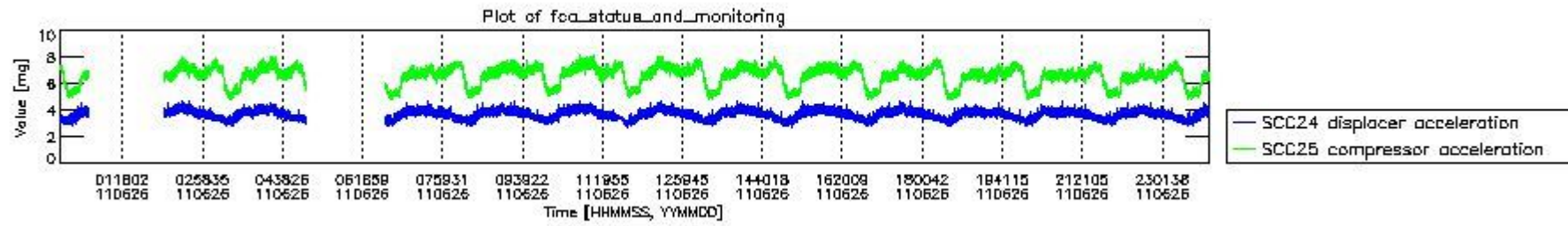
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110626\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110626\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110626\_9.PNG

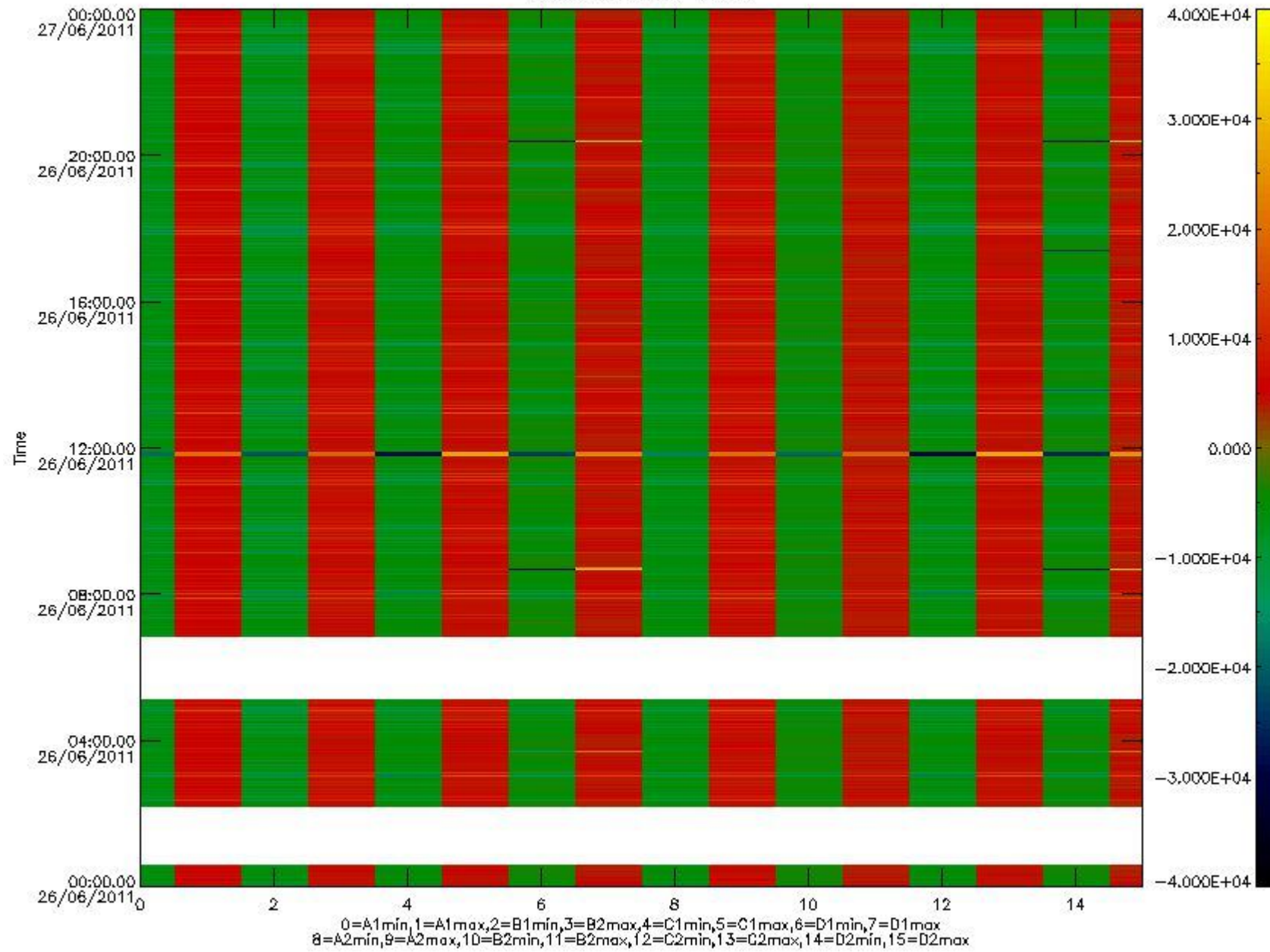


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110626\_10.PNG

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

Channel	Min	Max	ADC
A1	-19105	20325	16bit
B1	-22090	18840	16bit
C1	-28474	28403	16bit
D1	-32768	32767	16bit
A2	-16460	20481	16bit
B2	-20472	19989	16bit
C2	-29580	29268	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\_20110626\_11.PNG

### 0.3 ADF monitoring

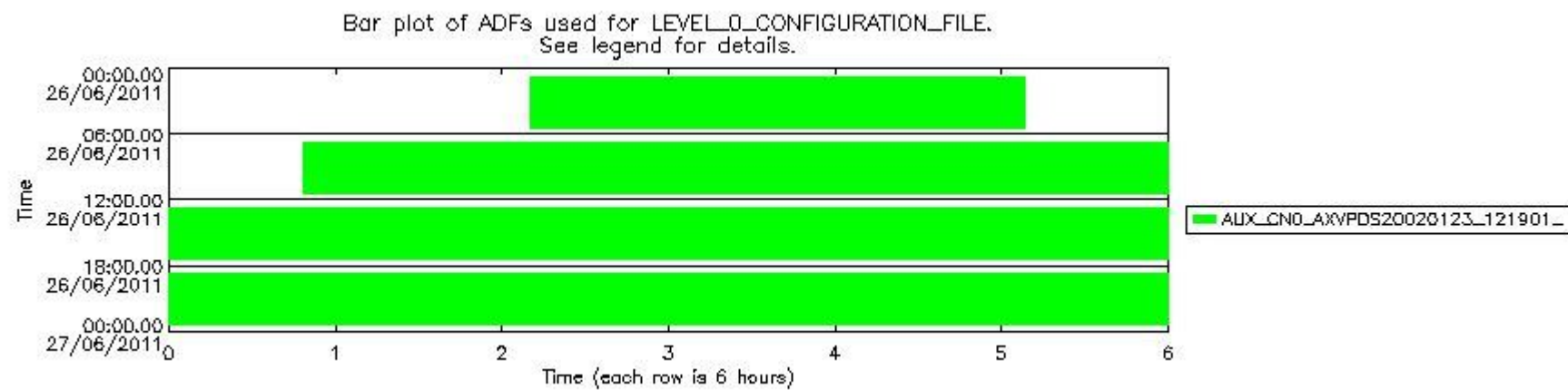
The use of ADFs is shown in two ways:

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.

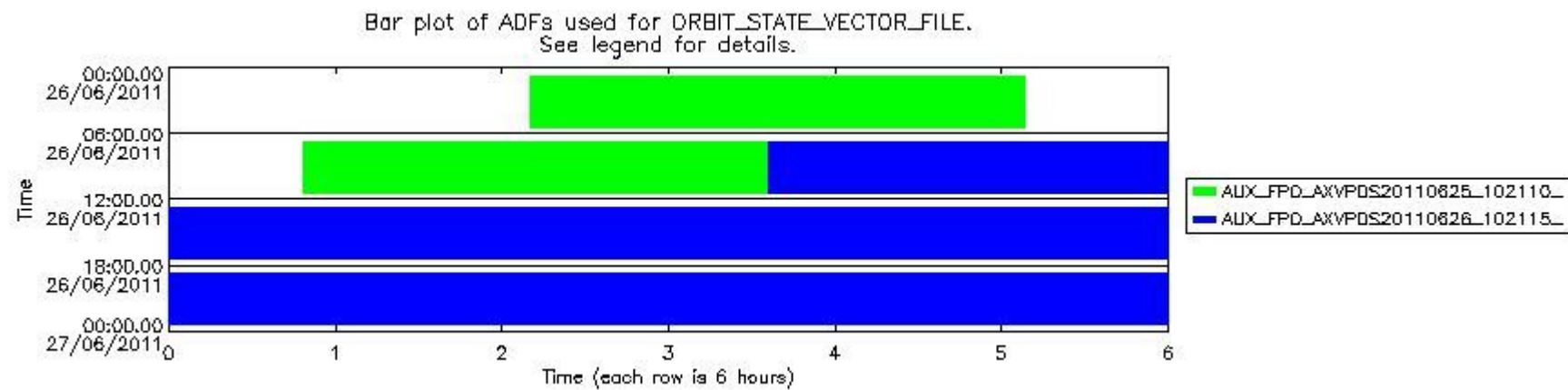
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110625_102110_20110624_184207_20110704_205555
2	AUX_FPO_AXVPDS20110626_102115_20110625_194537_20110705_201910

Number	Product name	#CN0	#FPO
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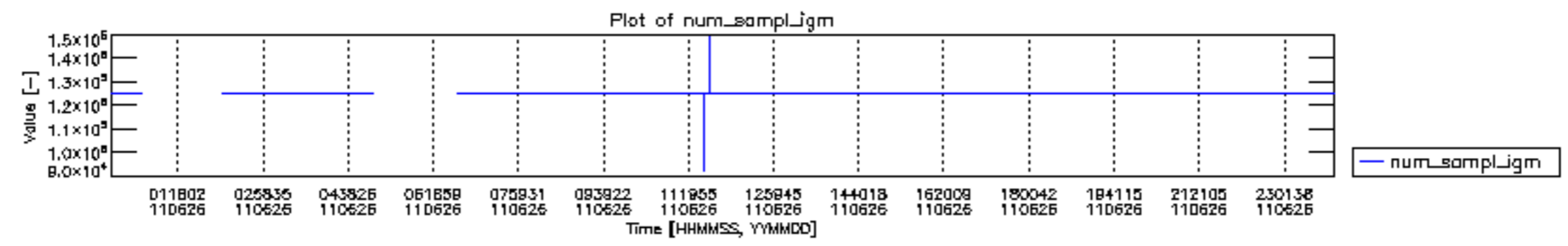
0	MIP_NL__0PNPDE20110626_021018_000045903104_00017_48738_9113.N1	0	1
1	MIP_NL__0PNPDE20110626_032614_000061133104_00018_48739_9114.N1	0	1
2	MIP_NL__0PNPDK20110626_064813_000040903104_00020_48741_5589.N1	0	1
3	MIP_NL__0PNPDK20110626_075552_000060673104_00021_48742_5590.N1	0	1
4	MIP_NL__0PNPDK20110626_093614_000060313104_00022_48743_5591.N1	0	2
5	MIP_NL__0PNPDK20110626_111604_000059603104_00023_48744_5592.N1	0	2
6	MIP_NL__0PNPDK20110626_125450_000059563104_00024_48745_5593.N1	0	2
7	MIP_NL__0PNPDK20110626_143333_000058083104_00025_48746_5594.N1	0	2
8	MIP_NL__0PNPDK20110626_160938_000059063104_00026_48747_5595.N1	0	2
9	MIP_NL__0PNPDK20110626_174710_000059183104_00027_48748_5596.N1	0	2
10	MIP_NL__0PNPDK20110626_192450_000061883104_00028_48749_5597.N1	0	2
11	MIP_NL__0PNPDE20110626_210701_000042603104_00029_48750_9116.N1	0	2
12	MIP_NL__0PNPDE20110626_221658_000060603104_00029_48750_9117.N1	0	2
13	MIP_NL__0PNPDE20110626_235658_000060713104_00030_48751_9118.N1	0	2

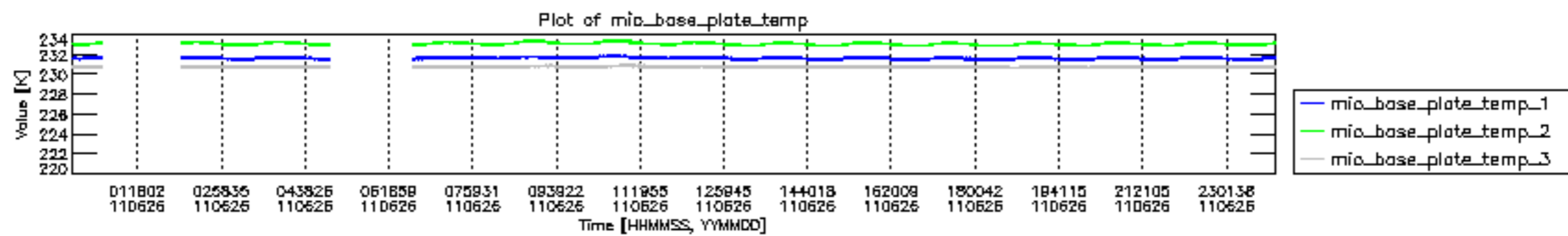


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110626\_12.PNG

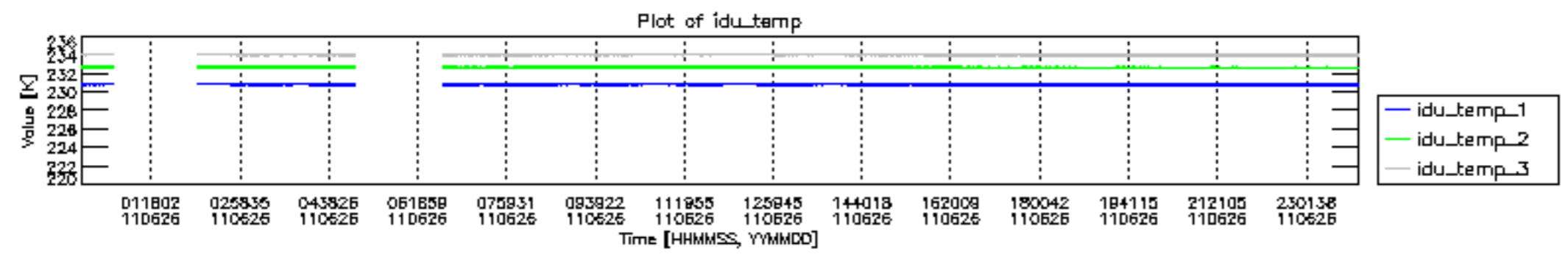


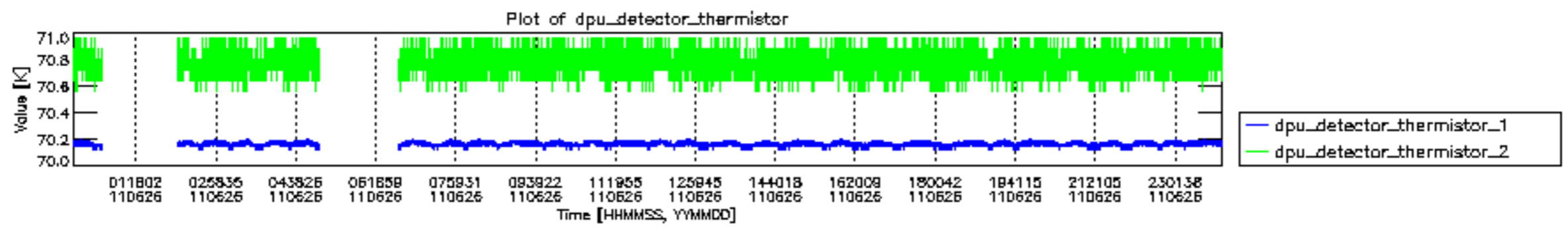
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110626\_13.PNG

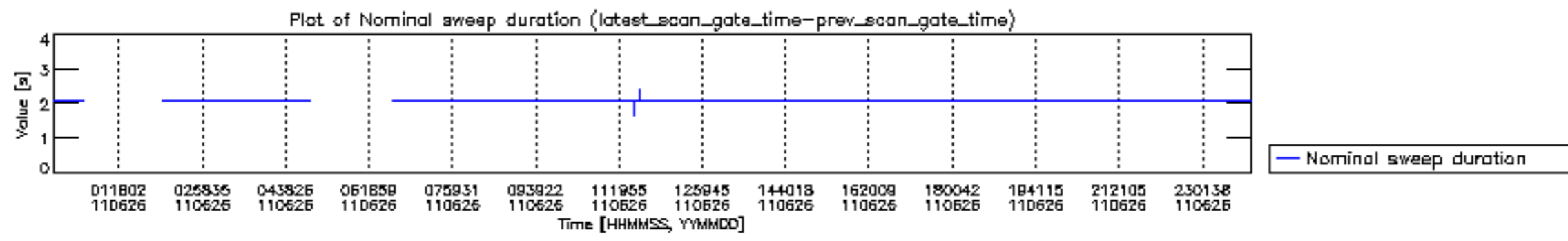


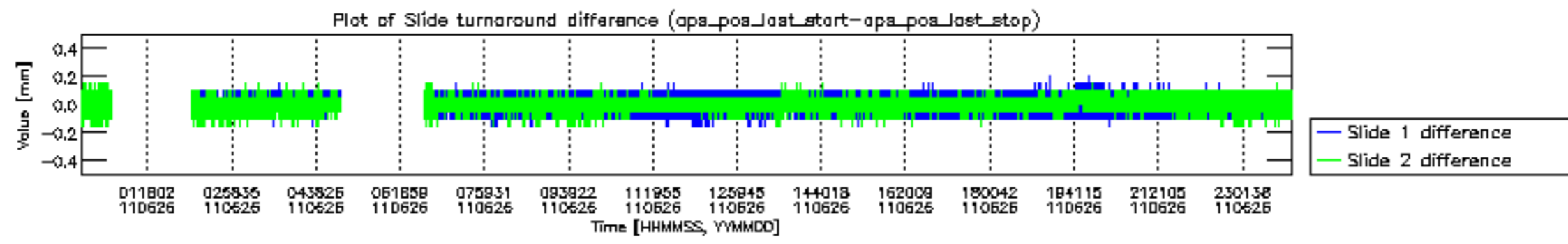


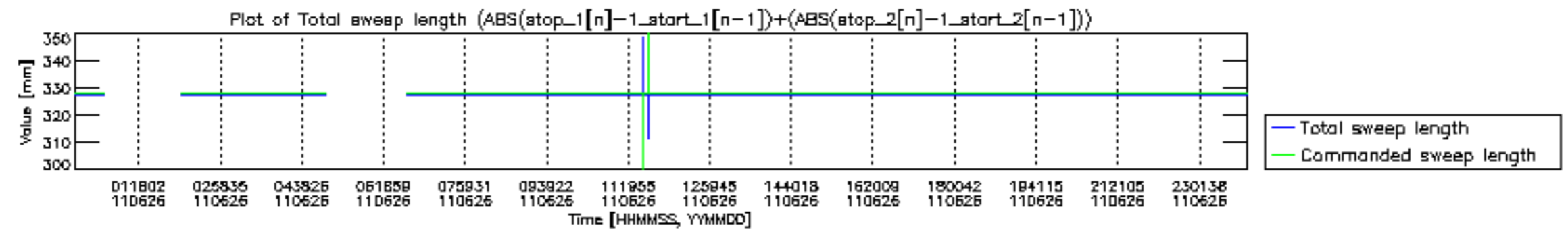


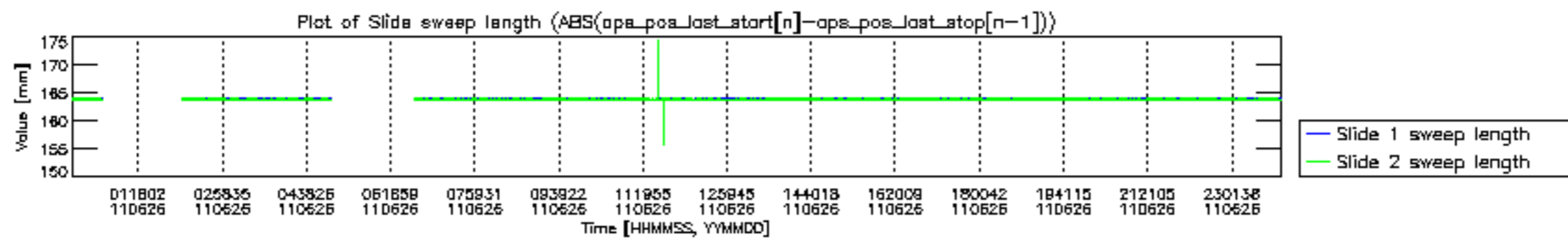


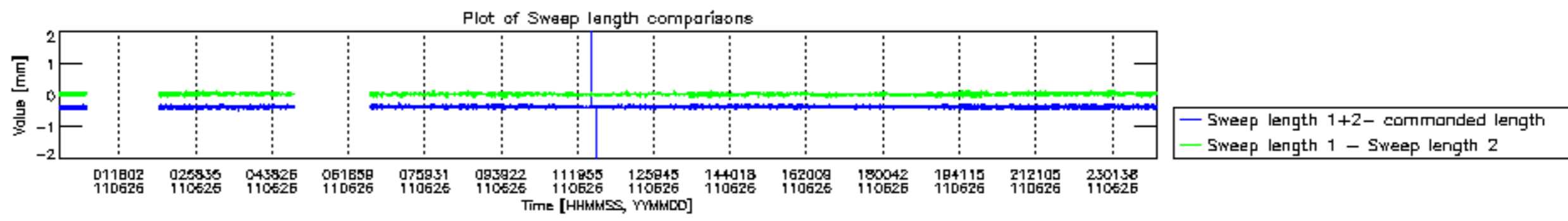


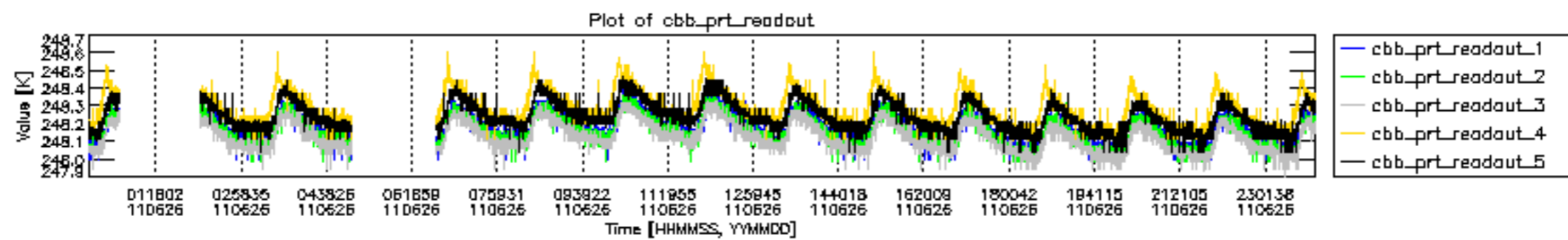




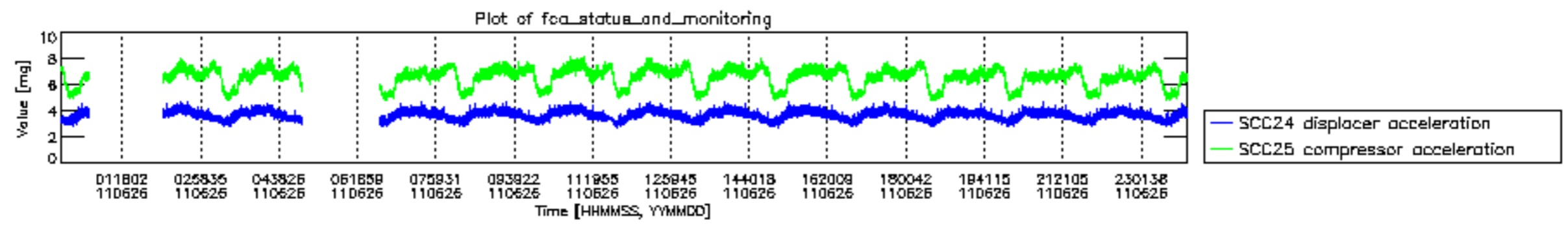












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

