

## 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	31JUL2011 05:23:51
Data source version	KSPT_L0/4504-N
Processing scope for products	26JUL2011 00:00:00 to 27JUL2011 00:00:00
Start time of first product within scope	26JUL2011 00:34:57
Stop time of last product within scope	27JUL2011 01:37:21
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__0PNPDE20110726_003457_000059083105_00016_49168_9308.N1	26JUL2011 00:34:57	26JUL2011 02:13:24	0	0	0	0	0
1	MIP_NL__0PNPDE20110726_021220_000045083105_00017_49169_9309.N1	26JUL2011 02:12:20	26JUL2011 03:27:28	0	0	0	0	0
2	MIP_NL__0PNPDE20110726_032654_000061003105_00018_49170_9310.N1	26JUL2011 03:26:54	26JUL2011 05:08:35	0	0	0	0	0
3	MIP_NL__0PNPDE20110726_050759_000060753105_00019_49171_9311.N1	26JUL2011 05:07:59	26JUL2011 06:49:14	0	0	0	0	0
4	MIP_NL__0PNPDK20110726_064843_000040303105_00020_49172_5870.N1	26JUL2011 06:48:43	26JUL2011 07:55:53	0	0	0	0	0
5	MIP_NL__0PNPDK20110726_093733_000059523105_00022_49174_5872.N1	26JUL2011 09:37:33	26JUL2011 11:16:45	0	0	0	0	0
6	MIP_NL__0PNPDK20110726_111601_000060073105_00023_49175_5873.N1	26JUL2011 11:16:01	26JUL2011 12:56:08	0	0	0	0	0
7	MIP_NL__0PNPDK20110726_125525_000046943105_00024_49176_5874.N1	26JUL2011 12:55:25	26JUL2011 14:13:39	0	0	0	0	0
8	MIP_NL__0PNPDK20110726_141339_000012353105_00025_49177_5875.N1	26JUL2011 14:13:39	26JUL2011 14:34:13	0	0	0	0	0
9	MIP_NL__0PNPDK20110726_161011_000058893105_00026_49178_5876.N1	26JUL2011 16:10:11	26JUL2011 17:48:20	0	0	0	0	0
10	MIP_NL__0PNPDK20110726_174723_000059393105_00027_49179_5877.N1	26JUL2011 17:47:23	26JUL2011 19:26:22	0	0	0	0	0
11	MIP_NL__0PNPDK20110726_192526_000060273105_00028_49180_5878.N1	26JUL2011 19:25:26	26JUL2011 21:05:53	0	0	0	0	0
12	MIP_NL__0PNPDE20110726_210419_000044293105_00029_49181_9312.N1	26JUL2011 21:04:19	26JUL2011 22:18:08	0	0	0	0	0
13	MIP_NL__0PNPDE20110726_221703_000061943105_00029_49181_9313.N1	26JUL2011 22:17:03	27JUL2011 00:00:17	0	0	0	0	0
14	MIP_NL__0PNPDE20110726_235918_000058823105_00030_49182_9314.N1	26JUL2011 23:59:18	27JUL2011 01:37:21	0	0	0	0	0

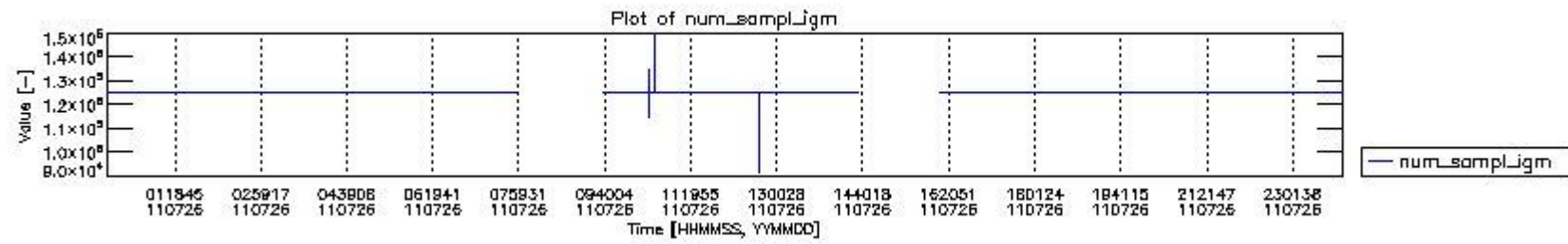
## 0.2 Instrument Operational Performance Parameters

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.

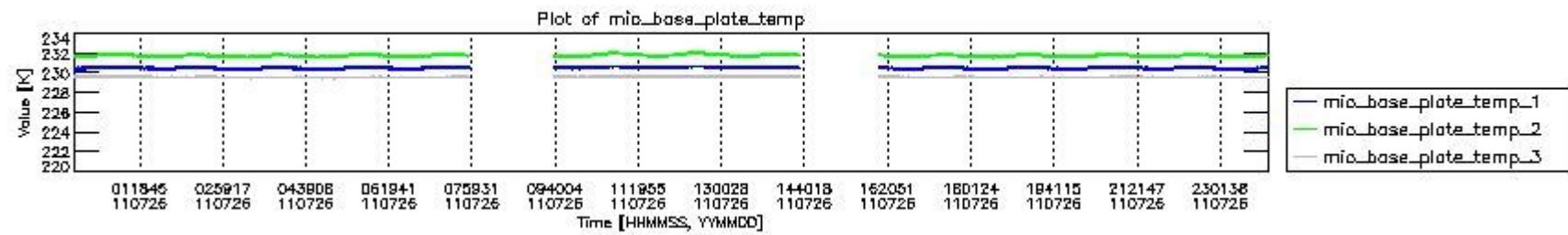
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
91664	1	0.0027901786
98166	1	0.0027901786
114595	1	0.0027901786

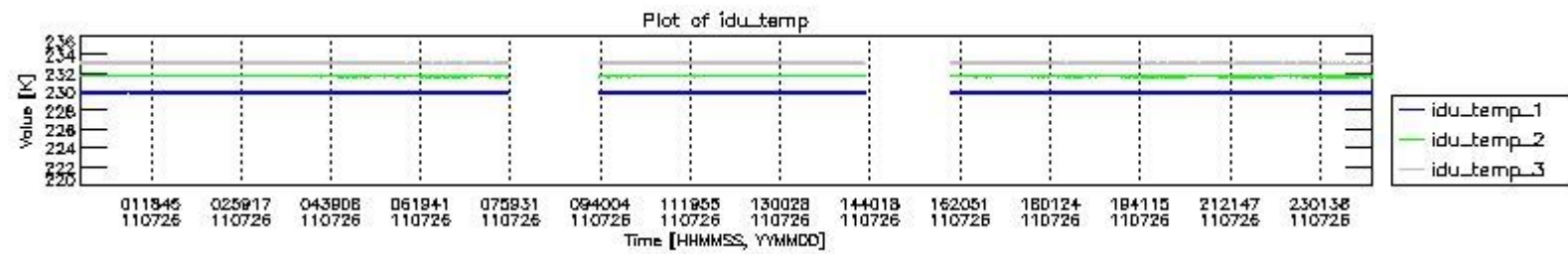
118298	1	0.0027901786
124522	1	0.0027901786
124800	33288	92.879464
124803	2543	7.0954241
127233	1	0.0027901786
134727	1	0.0027901786
147365	1	0.0027901786
149798	1	0.0027901786



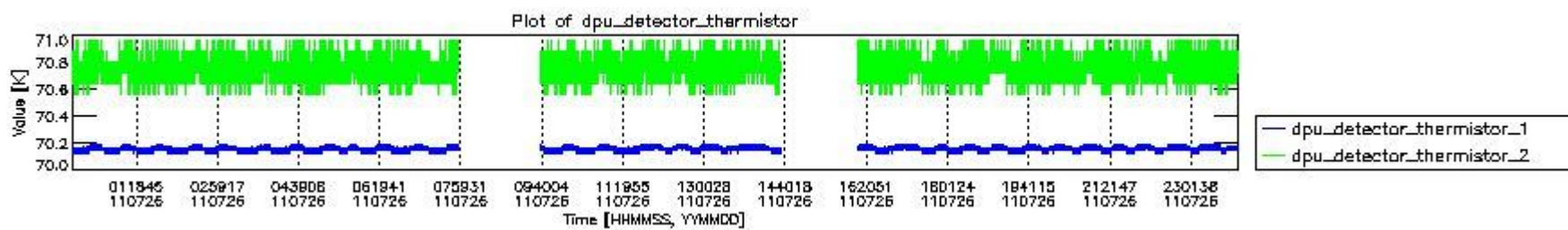
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110726\_0.PNG



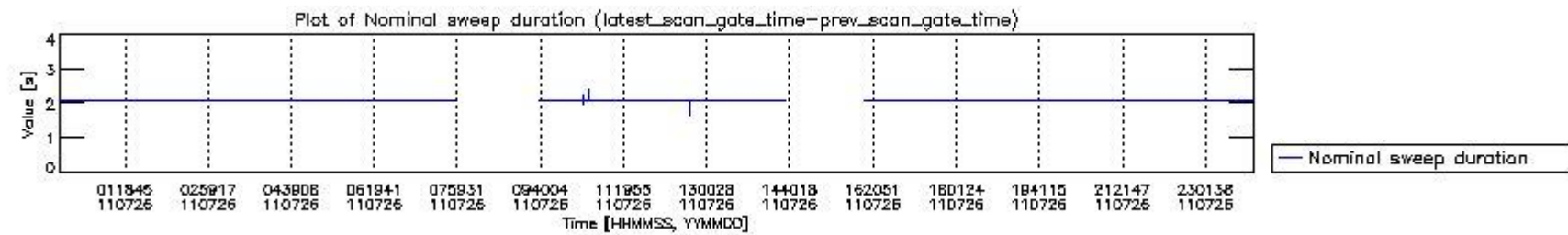
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110726\_1.PNG



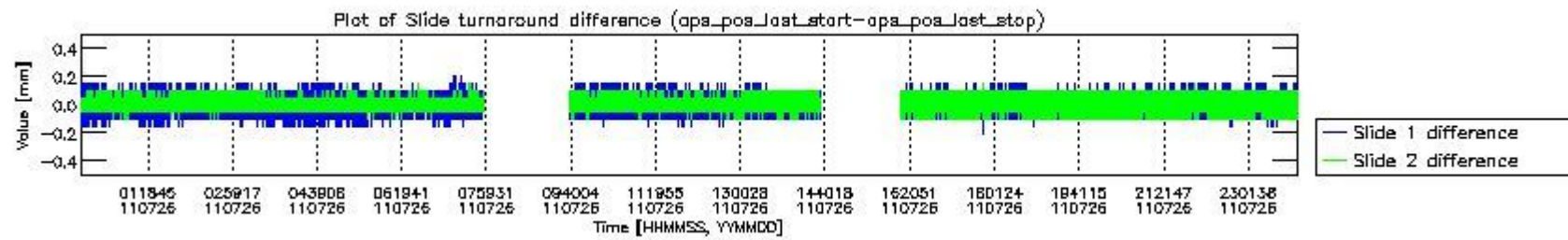
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110726\_2.PNG



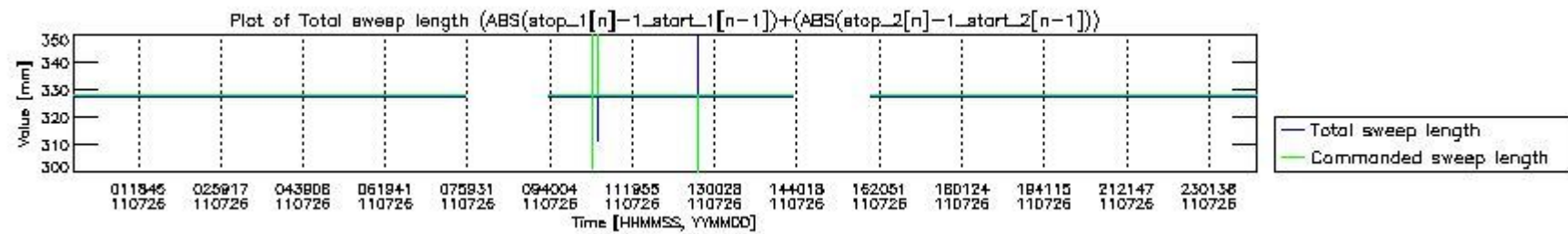
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110726\_3.PNG



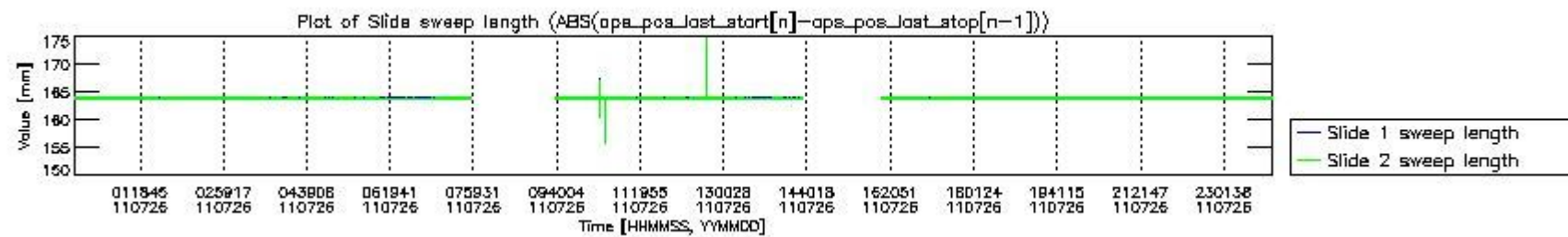
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110726\_4.PNG



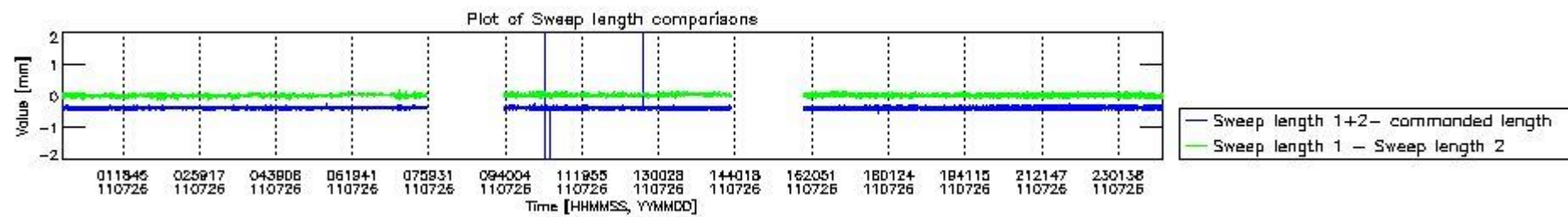
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110726\_5.PNG



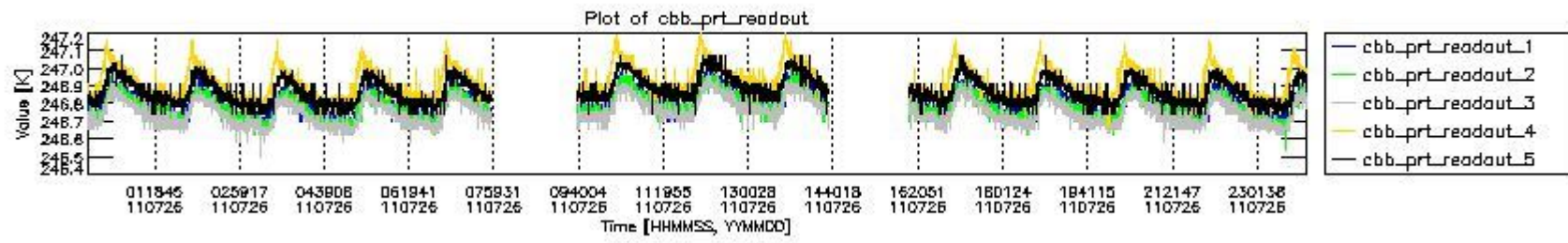
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110726\_6.PNG



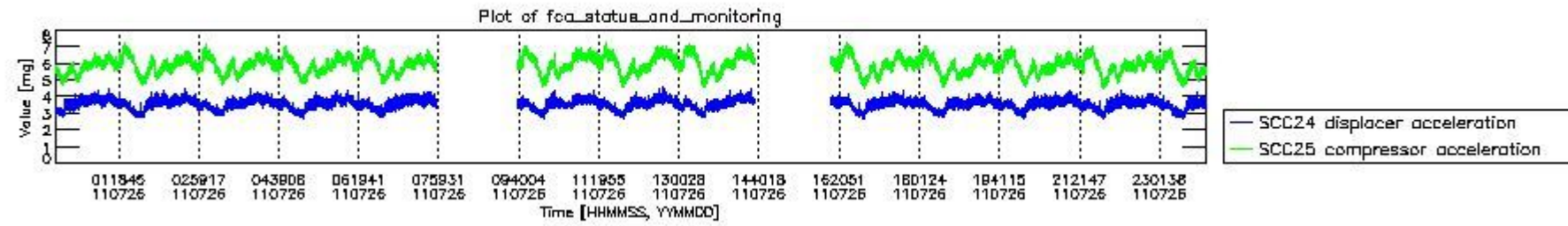
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110726\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110726\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110726\_9.PNG

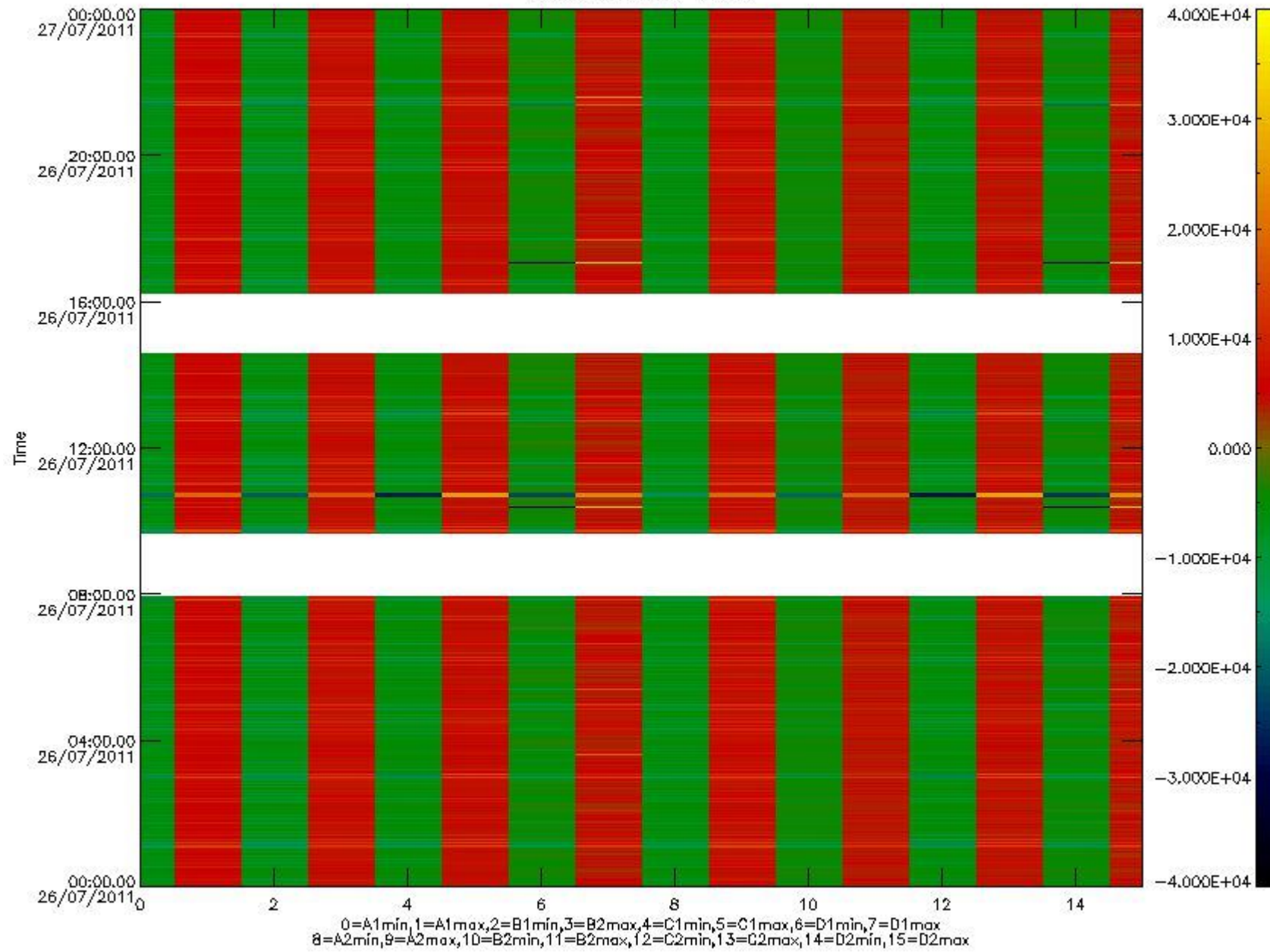


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110726\_10.PNG

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

Channel	Min	Max	ADC
A1	-18681	19854	16bit
B1	-21386	18313	16bit
C1	-27130	27051	16bit
D1	-32768	32767	16bit
A2	-16129	19982	16bit
B2	-19701	19279	16bit
C2	-28248	27832	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\_20110726\_11.PNG

### 0.3 ADF monitoring

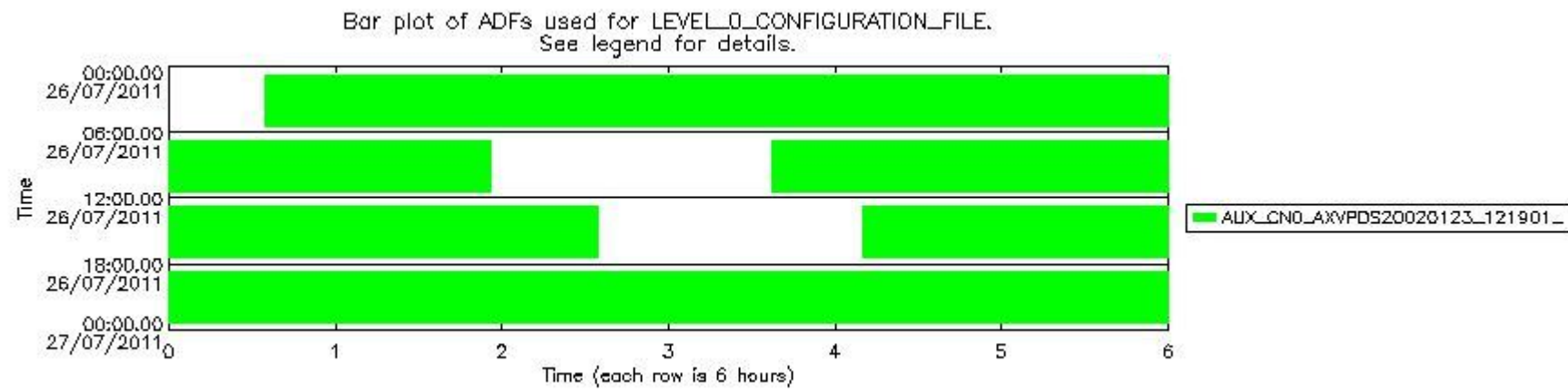
The use of ADFs is shown in two ways:

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.

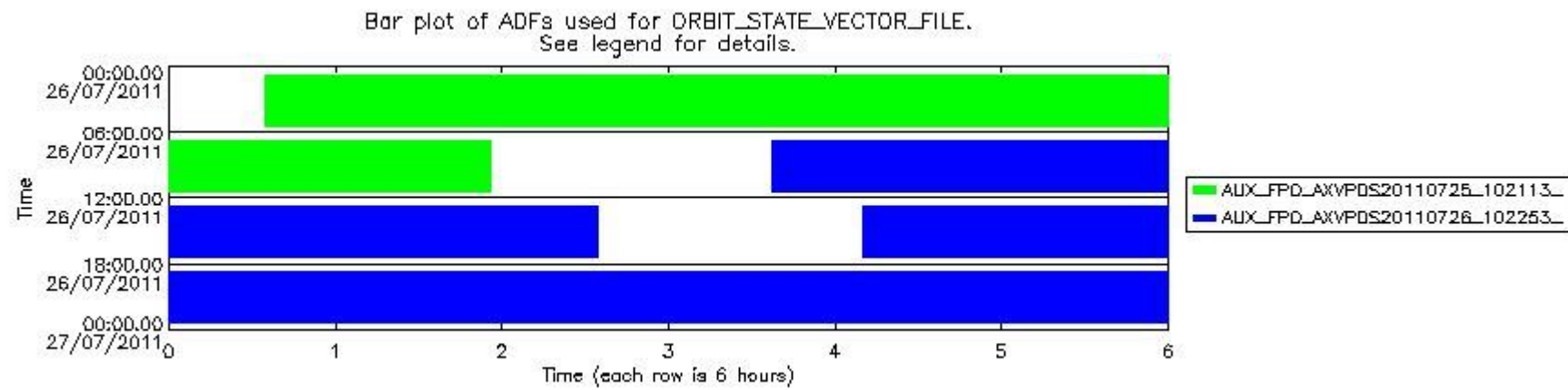
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110725_102113_20110724_184233_20110803_205620
2	AUX_FPO_AXVPDS20110726_102253_20110725_194603_20110804_201936

Number	Product name	#CN0	#FPO
--------	--------------	------	------

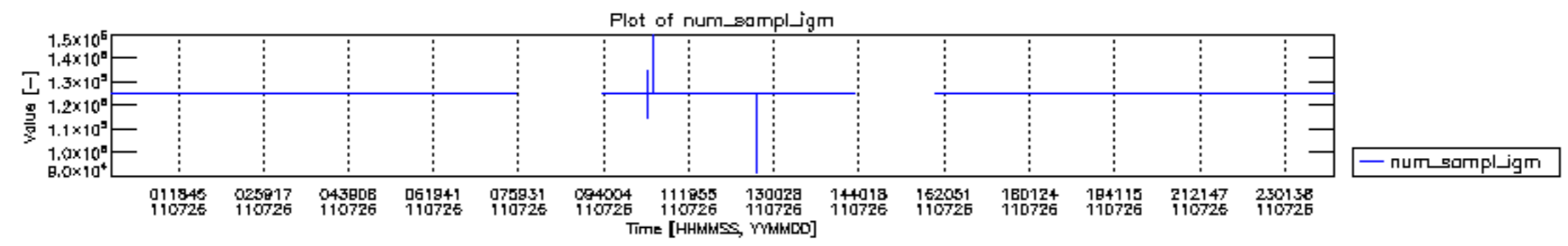
0	MIP_NL__0PNPDE20110726_003457_000059083105_00016_49168_9308.N1	0	1
1	MIP_NL__0PNPDE20110726_021220_000045083105_00017_49169_9309.N1	0	1
2	MIP_NL__0PNPDE20110726_032654_000061003105_00018_49170_9310.N1	0	1
3	MIP_NL__0PNPDE20110726_050759_000060753105_00019_49171_9311.N1	0	1
4	MIP_NL__0PNPDK20110726_064843_000040303105_00020_49172_5870.N1	0	1
5	MIP_NL__0PNPDK20110726_093733_000059523105_00022_49174_5872.N1	0	2
6	MIP_NL__0PNPDK20110726_111601_000060073105_00023_49175_5873.N1	0	2
7	MIP_NL__0PNPDK20110726_125525_000046943105_00024_49176_5874.N1	0	2
8	MIP_NL__0PNPDK20110726_141339_000012353105_00025_49177_5875.N1	0	2
9	MIP_NL__0PNPDK20110726_161011_000058893105_00026_49178_5876.N1	0	2
10	MIP_NL__0PNPDK20110726_174723_000059393105_00027_49179_5877.N1	0	2
11	MIP_NL__0PNPDK20110726_192526_000060273105_00028_49180_5878.N1	0	2
12	MIP_NL__0PNPDE20110726_210419_000044293105_00029_49181_9312.N1	0	2
13	MIP_NL__0PNPDE20110726_221703_000061943105_00029_49181_9313.N1	0	2
14	MIP_NL__0PNPDE20110726_235918_000058823105_00030_49182_9314.N1	0	2

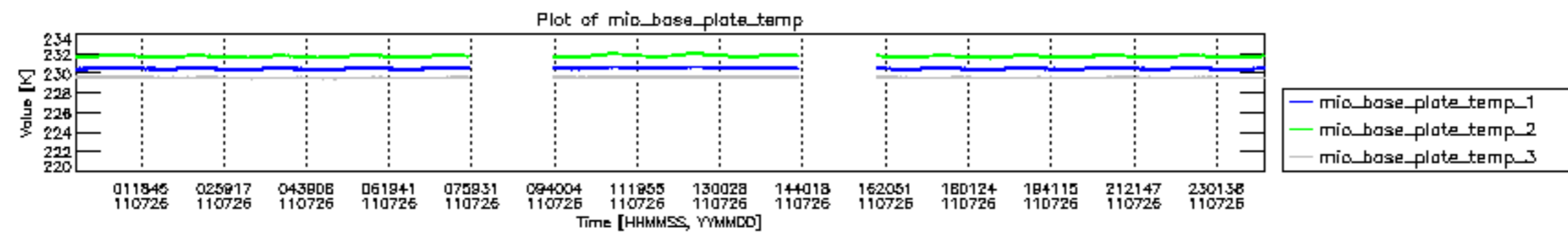


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110726\_12.PNG

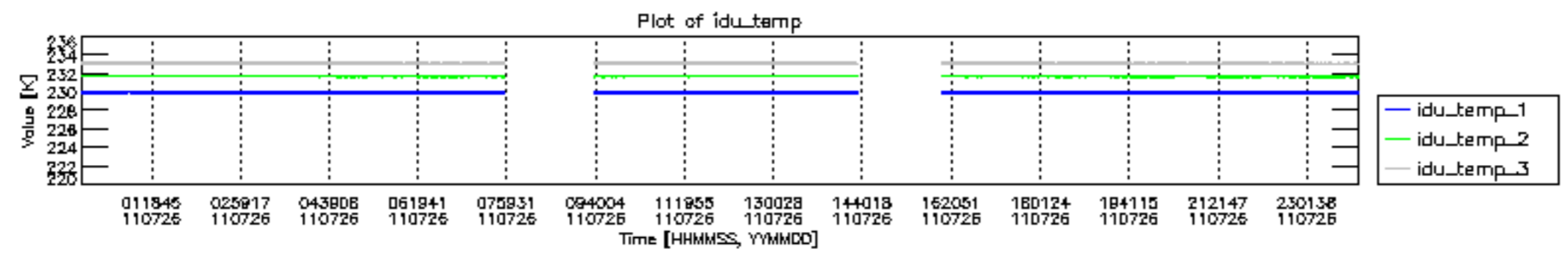


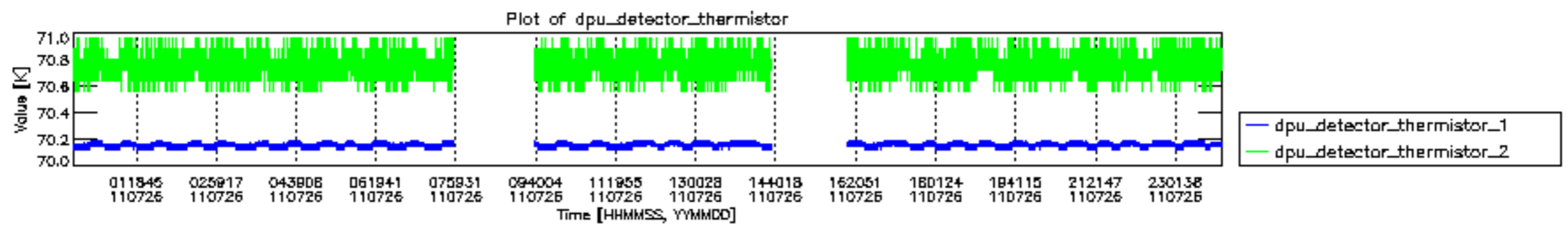
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110726\_13.PNG

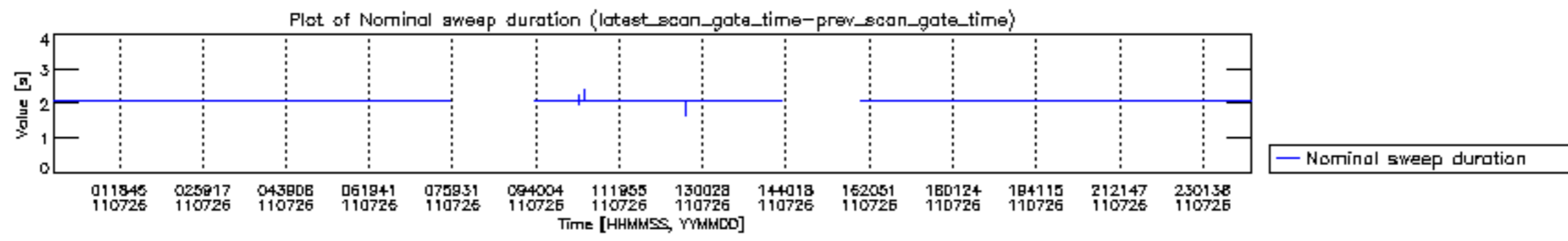


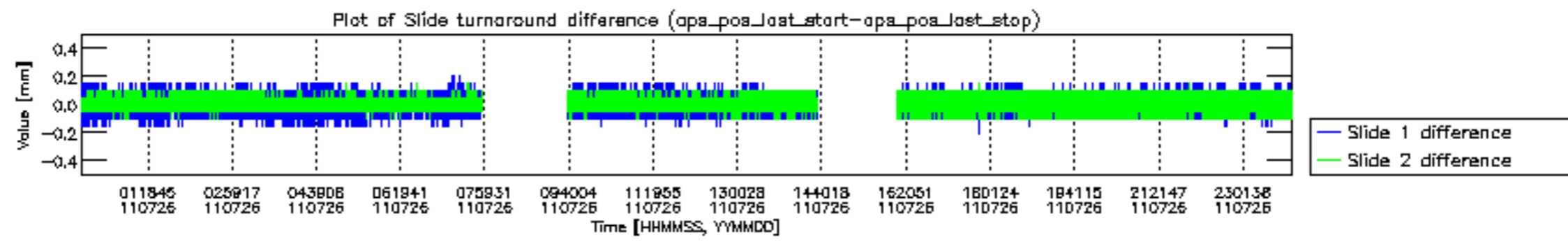


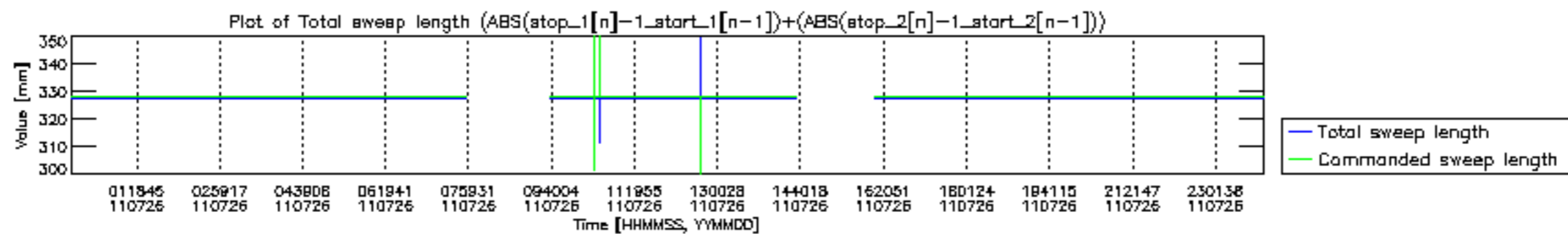


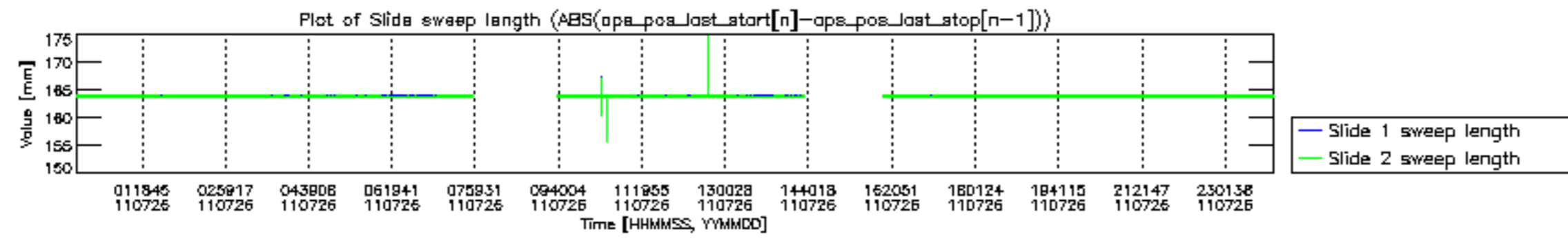


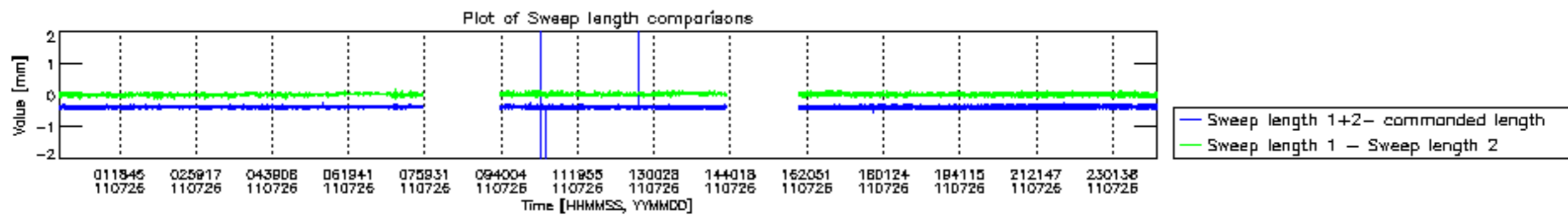


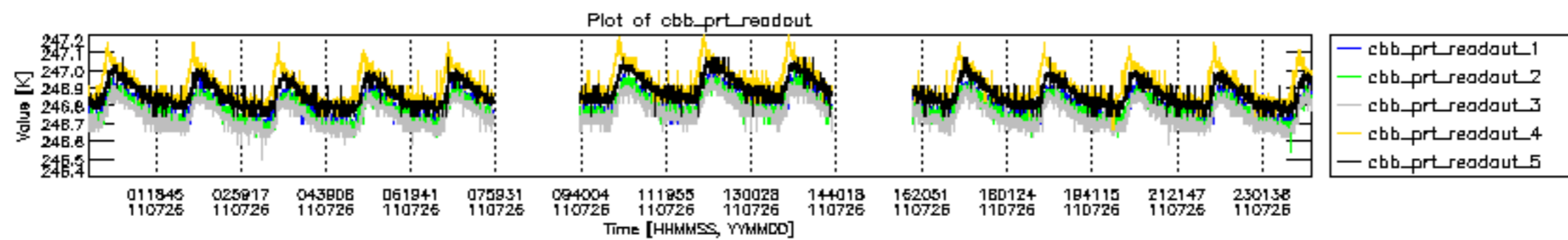




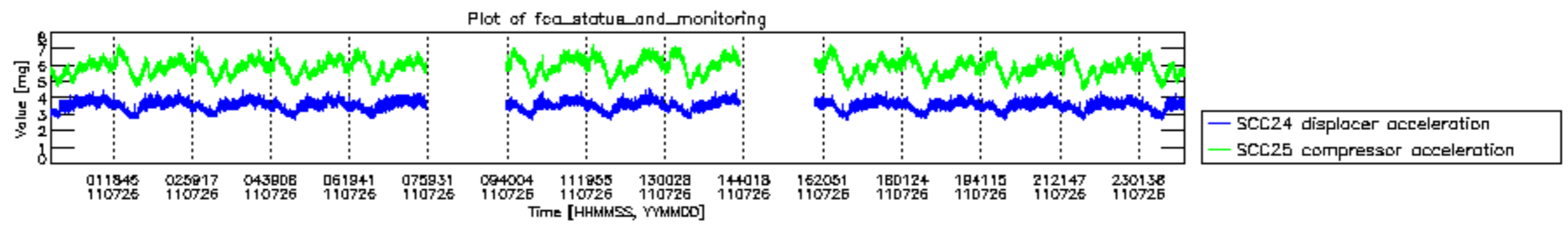












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

