

## 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	30JUN2011 05:25:18
Data source version	KSPT_L0/4504-N
Processing scope for products	25JUN2011 00:00:00 to 26JUN2011 00:00:00
Start time of first product within scope	25JUN2011 01:11:15
Stop time of last product within scope	26JUN2011 00:35:19
Total number of level 0 products	13
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__OPNPDE20110625_011115_000102453104_00002_48723_9106.N1	25JUN2011 01:11:15	25JUN2011 04:01:59	0	0	0	0	0
1	MIP_NL__OPNPDE20110625_040126_000062383104_00004_48725_9107.N1	25JUN2011 04:01:26	25JUN2011 05:45:24	0	0	0	0	0
2	MIP_NL__OPNPDE20110625_054451_000023743104_00005_48726_9108.N1	25JUN2011 05:44:51	25JUN2011 06:24:24	0	0	0	0	0
3	MIP_NL__OPNPDK20110625_094405_000017653104_00007_48728_5582.N1	25JUN2011 09:44:05	25JUN2011 10:13:30	0	0	0	0	0
4	MIP_NL__OPNPDK20110625_101246_000059753104_00008_48729_5583.N1	25JUN2011 10:12:46	25JUN2011 11:52:21	0	0	0	0	0
5	MIP_NL__OPNPDK20110625_115139_000059773104_00009_48730_5584.N1	25JUN2011 11:51:39	25JUN2011 13:31:16	0	0	0	0	0
6	MIP_NL__OPNPDK20110625_133043_000058813104_00010_48731_5585.N1	25JUN2011 13:30:43	25JUN2011 15:08:43	0	0	0	0	0
7	MIP_NL__OPNPDK20110625_150759_000059293104_00011_48732_5586.N1	25JUN2011 15:07:59	25JUN2011 16:46:48	0	0	0	0	0
8	MIP_NL__OPNPDK20110625_164617_000058033104_00012_48733_5587.N1	25JUN2011 16:46:17	25JUN2011 18:23:00	0	0	0	0	0
9	MIP_NL__OPNPDK20110625_182204_000060693104_00013_48734_5588.N1	25JUN2011 18:22:04	25JUN2011 20:03:13	0	0	0	0	0
10	MIP_NL__OPNPDE20110625_200145_000040493104_00014_48735_9109.N1	25JUN2011 20:01:45	25JUN2011 21:09:14	0	0	0	0	0
11	MIP_NL__OPNPDE20110625_210735_000064663104_00014_48735_9110.N1	25JUN2011 21:07:35	25JUN2011 22:55:21	0	0	0	0	0
12	MIP_NL__OPNPDE20110625_225416_000060623104_00015_48736_9111.N1	25JUN2011 22:54:16	26JUN2011 00:35:19	0	0	0	0	0

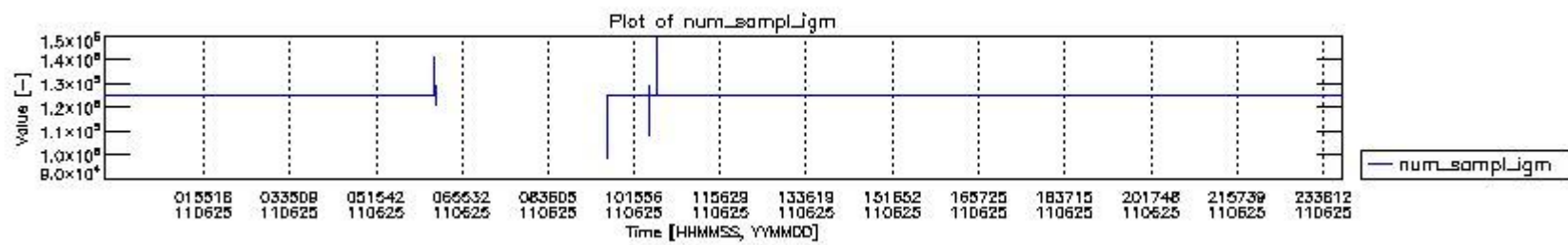
## 0.2 Instrument Operational Performance Parameters

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.

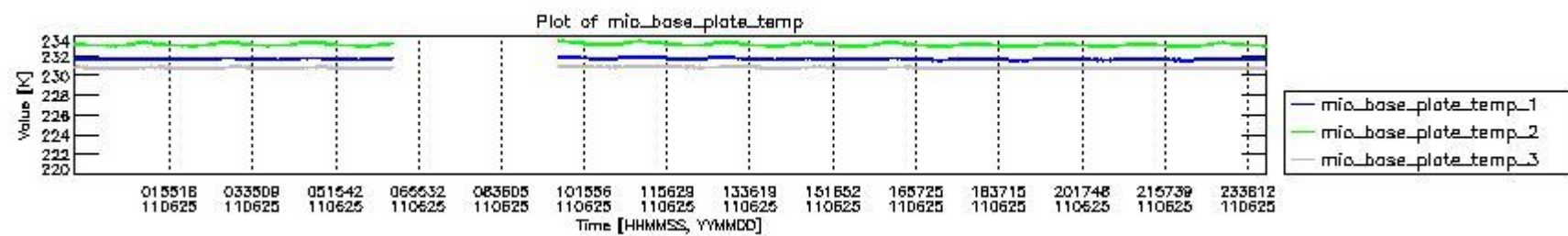
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
99070	1	0.0027911910
108722	1	0.0027911910
112776	1	0.0027911910
121435	1	0.0027911910
123844	1	0.0027911910

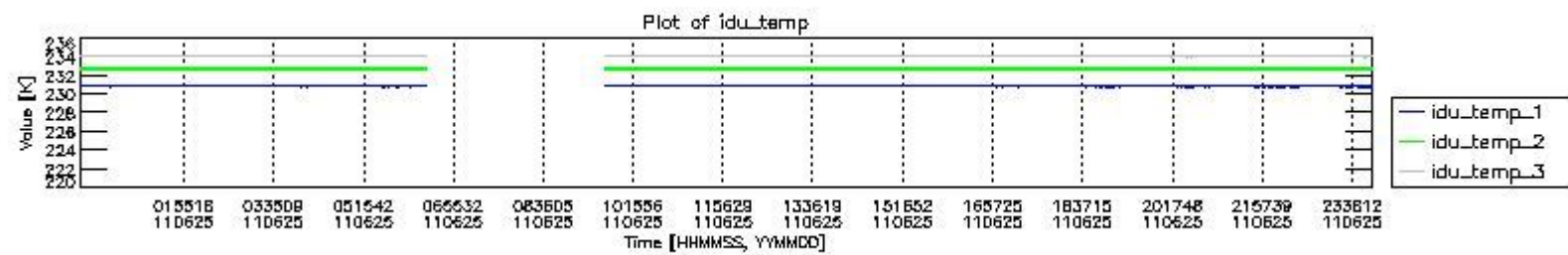
124322	1	0.0027911910
124800	33277	92.882463
124803	2538	7.0840428
127085	1	0.0027911910
128854	1	0.0027911910
138202	1	0.0027911910
141567	1	0.0027911910
147217	1	0.0027911910
149502	1	0.0027911910



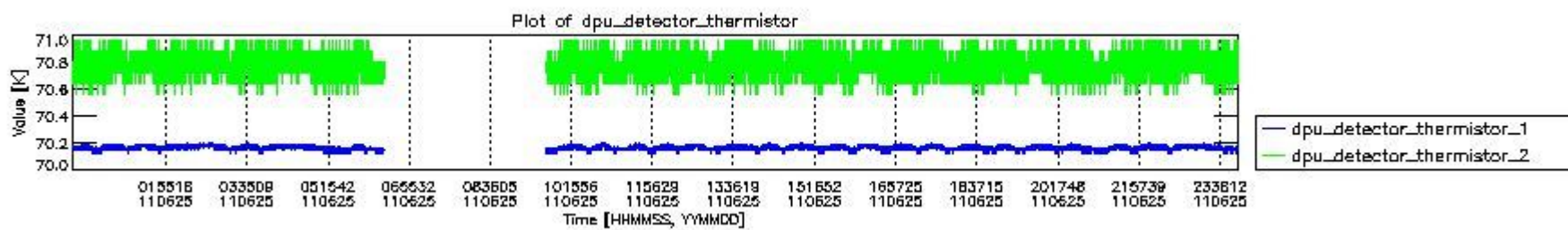
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110625\_0.PNG



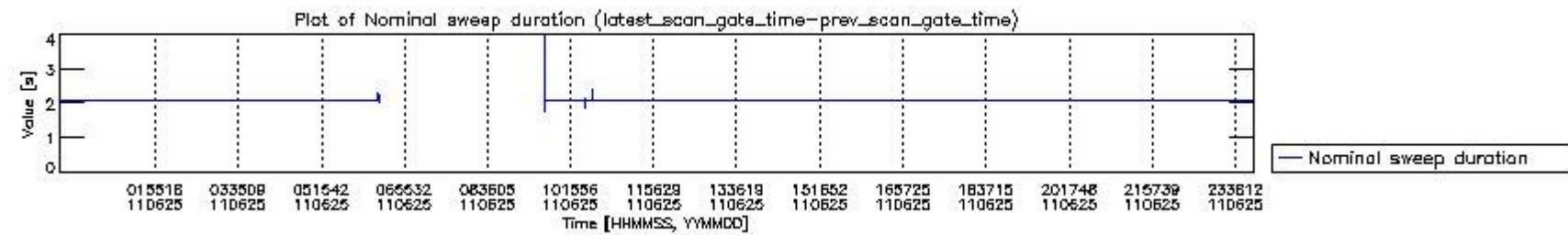
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110625\_1.PNG



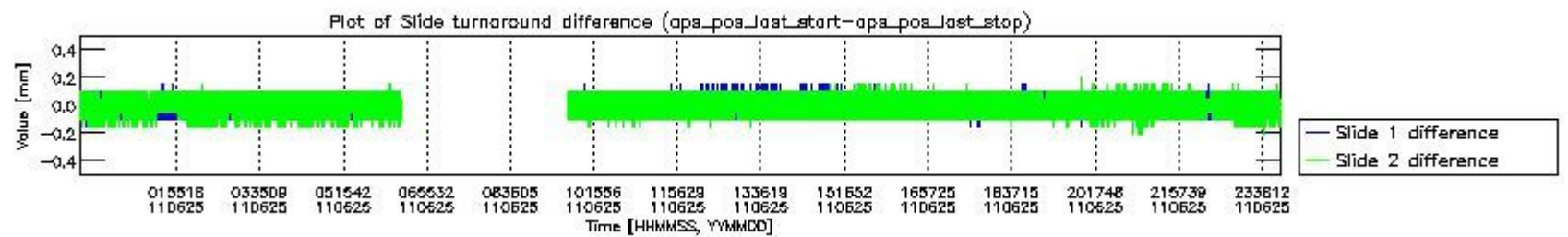
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110625\_2.PNG



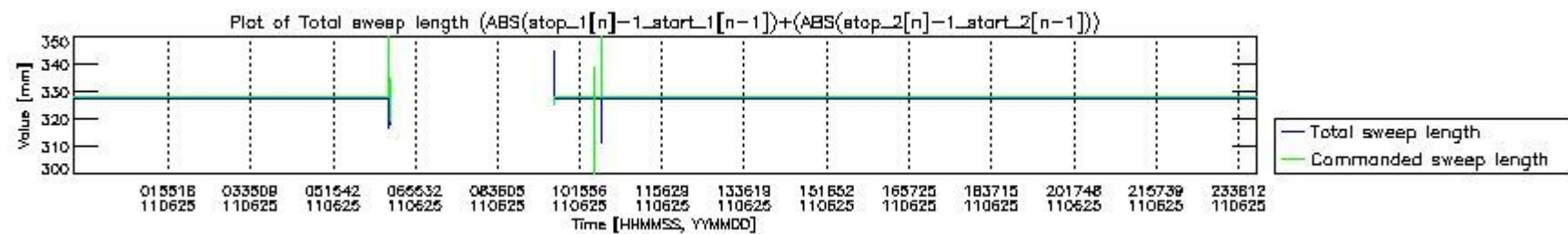
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110625\_3.PNG



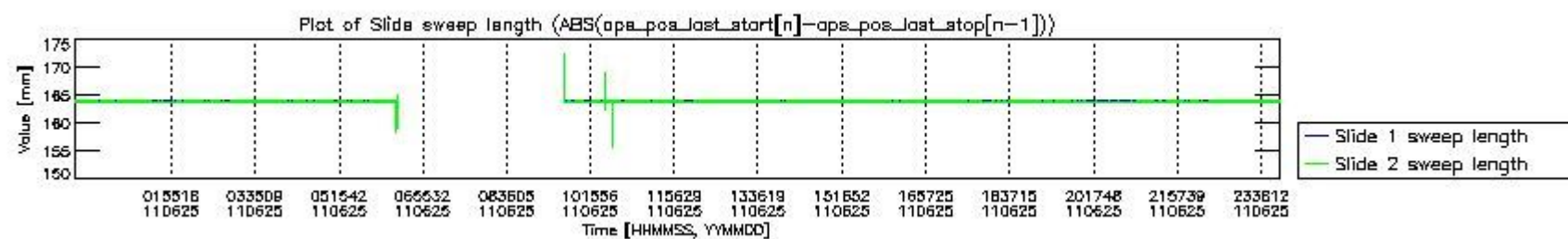
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110625\_4.PNG



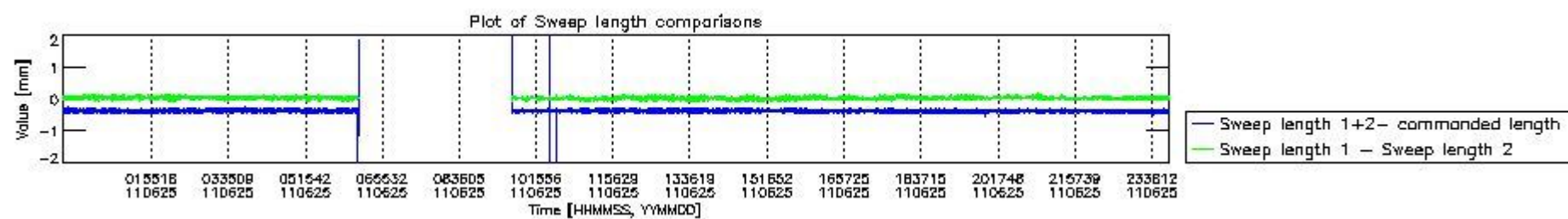
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110625\_5.PNG



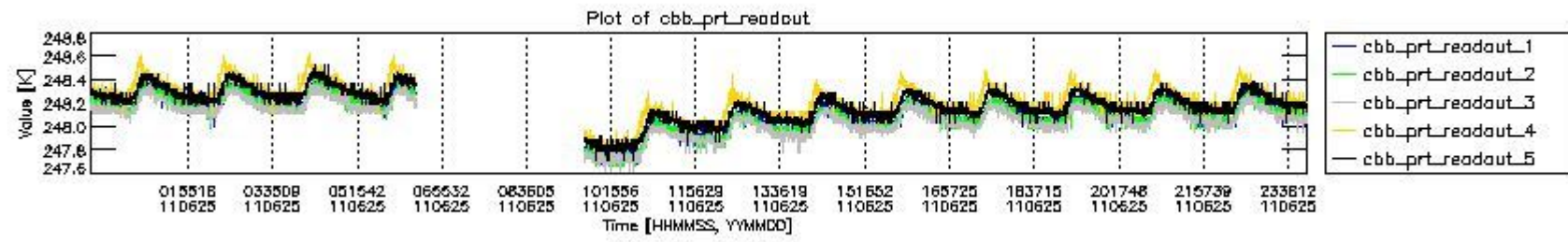
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110625\_6.PNG



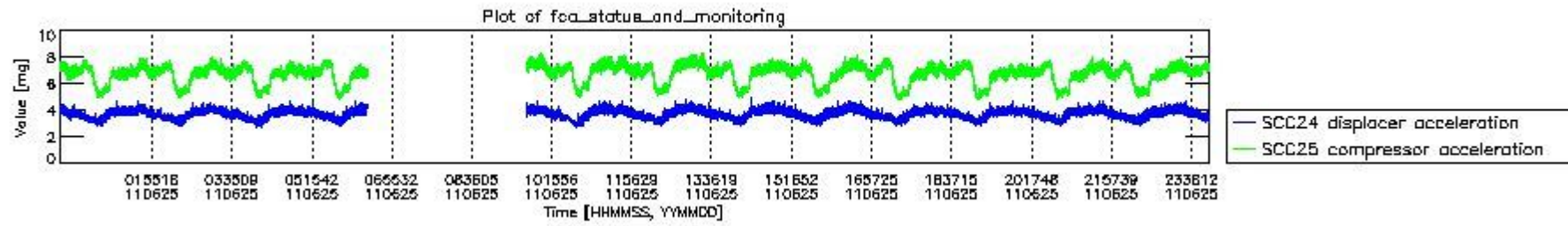
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110625\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110625\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110625\_9.PNG

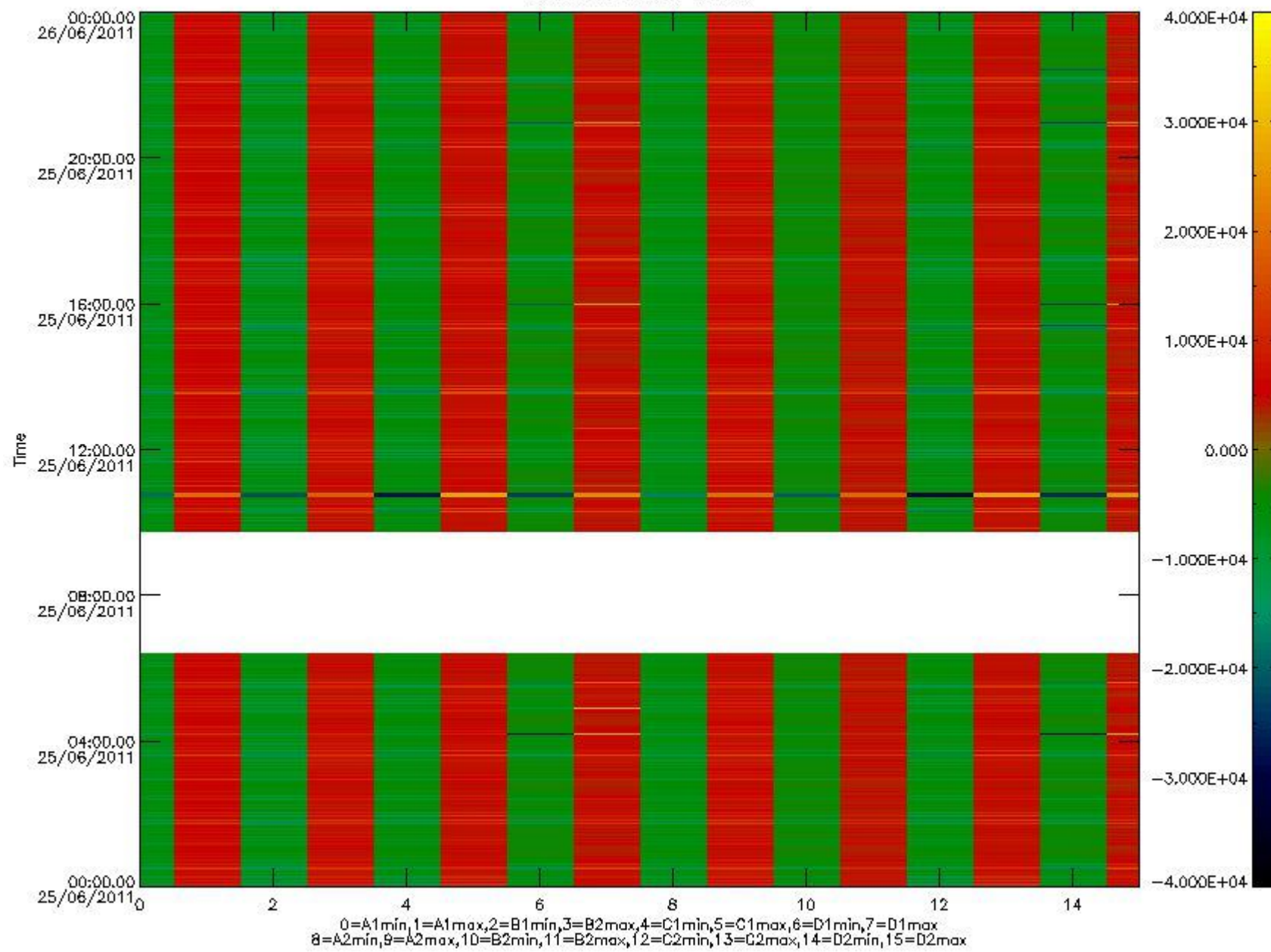


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110625\_10.PNG

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

Channel	Min	Max	ADC
A1	-32768	32767	16bit
B1	-32768	32767	16bit
C1	-28290	28334	16bit
D1	-32768	32767	16bit
A2	-32768	28523	16bit
B2	-32768	32767	16bit
C2	-29416	29144	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\_20110625\_11.PNG

### 0.3 ADF monitoring

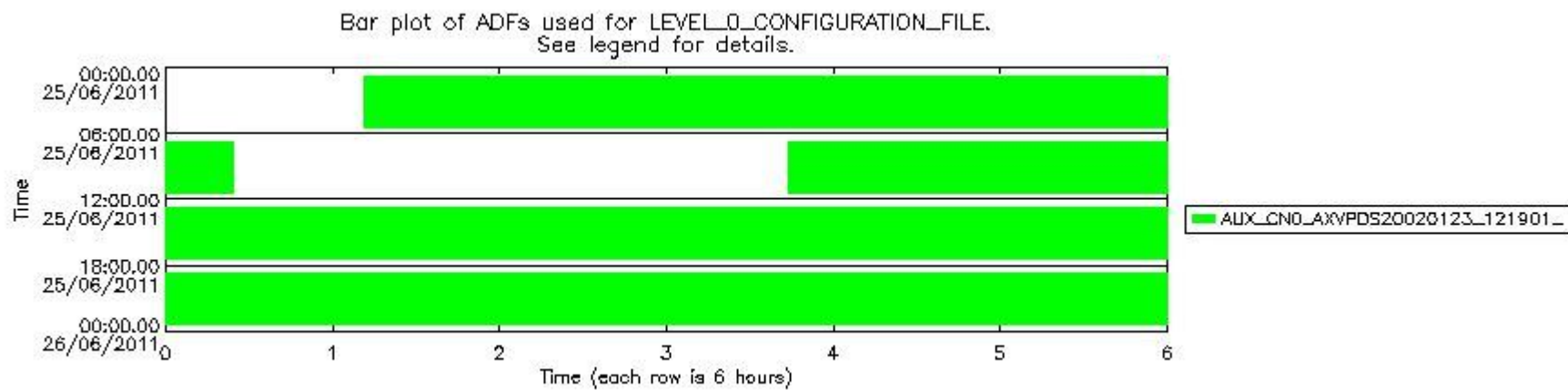
The use of ADFs is shown in two ways:

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.

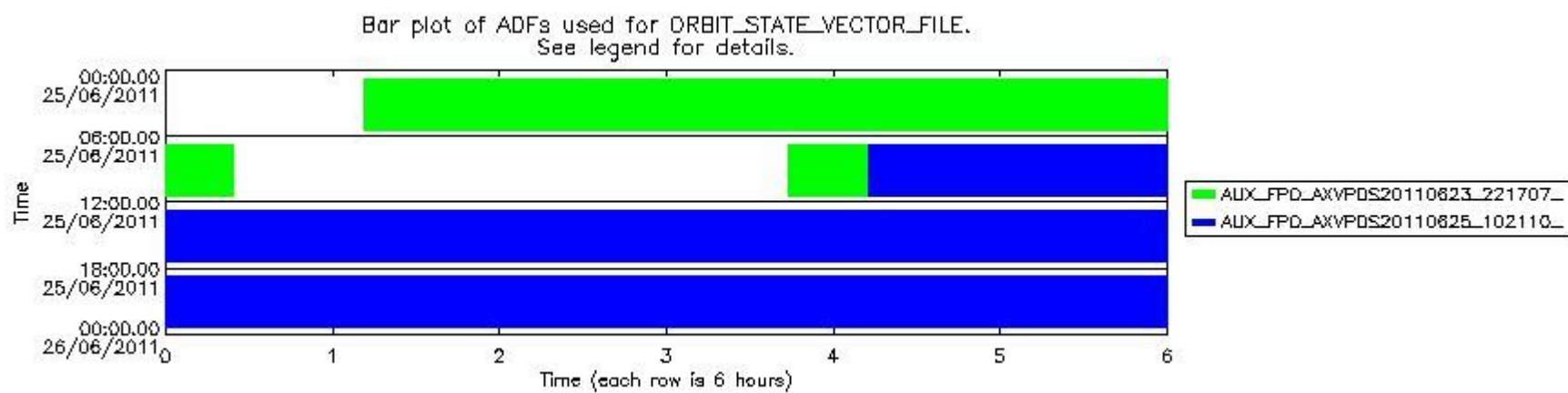
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110623_221707_20110623_191851_20110703_213239
2	AUX_FPO_AXVPDS20110625_102110_20110624_184207_20110704_205555

Number	Product name	#CN0	#FPO
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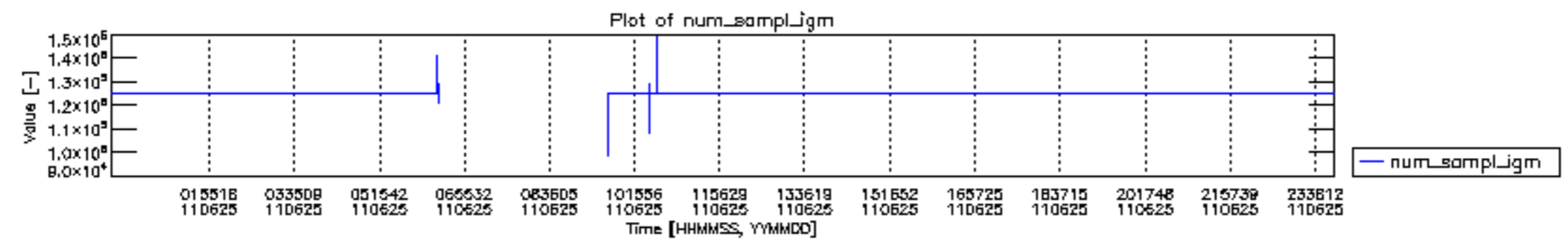
0	MIP_NL__0PNPDE20110625_011115_000102453104_00002_48723_9106.N1	0	1
1	MIP_NL__0PNPDE20110625_040126_000062383104_00004_48725_9107.N1	0	1
2	MIP_NL__0PNPDE20110625_054451_000023743104_00005_48726_9108.N1	0	1
3	MIP_NL__0PNPDK20110625_094405_000017653104_00007_48728_5582.N1	0	1
4	MIP_NL__0PNPDK20110625_101246_000059753104_00008_48729_5583.N1	0	2
5	MIP_NL__0PNPDK20110625_115139_000059773104_00009_48730_5584.N1	0	2
6	MIP_NL__0PNPDK20110625_133043_000058813104_00010_48731_5585.N1	0	2
7	MIP_NL__0PNPDK20110625_150759_000059293104_00011_48732_5586.N1	0	2
8	MIP_NL__0PNPDK20110625_164617_000058033104_00012_48733_5587.N1	0	2
9	MIP_NL__0PNPDK20110625_182204_000060693104_00013_48734_5588.N1	0	2
10	MIP_NL__0PNPDE20110625_200145_000040493104_00014_48735_9109.N1	0	2
11	MIP_NL__0PNPDE20110625_210735_000064663104_00014_48735_9110.N1	0	2
12	MIP_NL__0PNPDE20110625_225416_000060623104_00015_48736_9111.N1	0	2

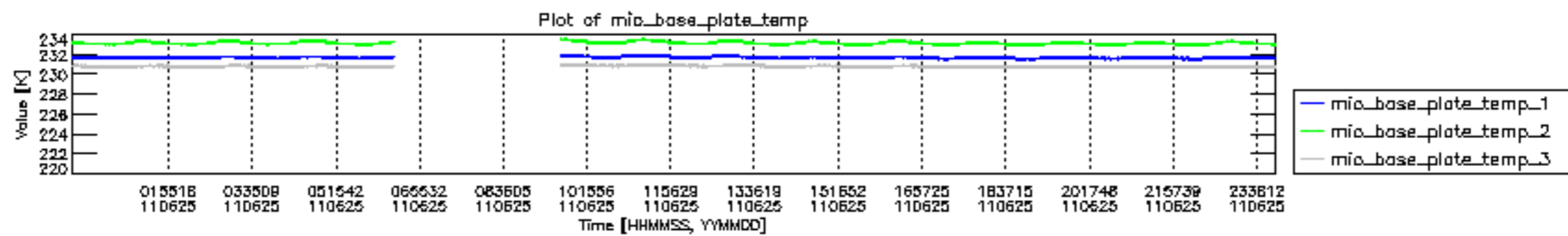


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110625\_12.PNG

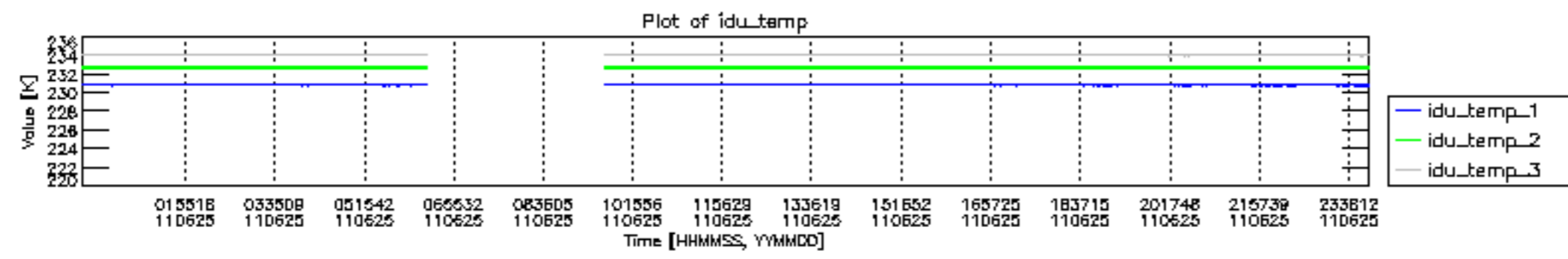


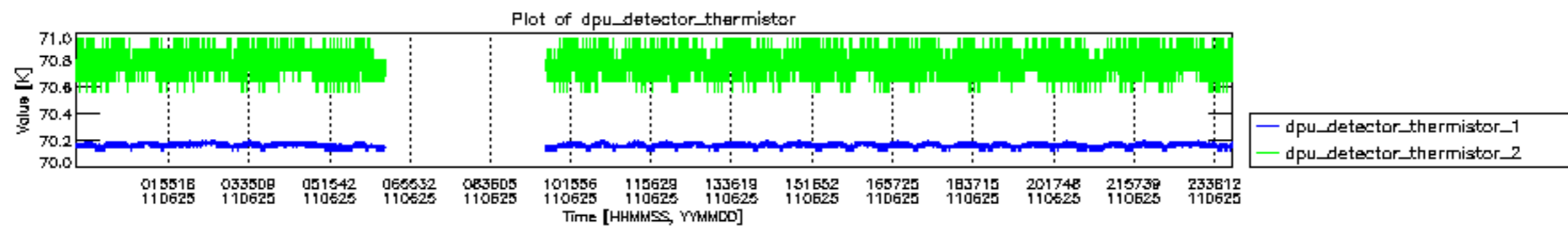
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110625\_13.PNG

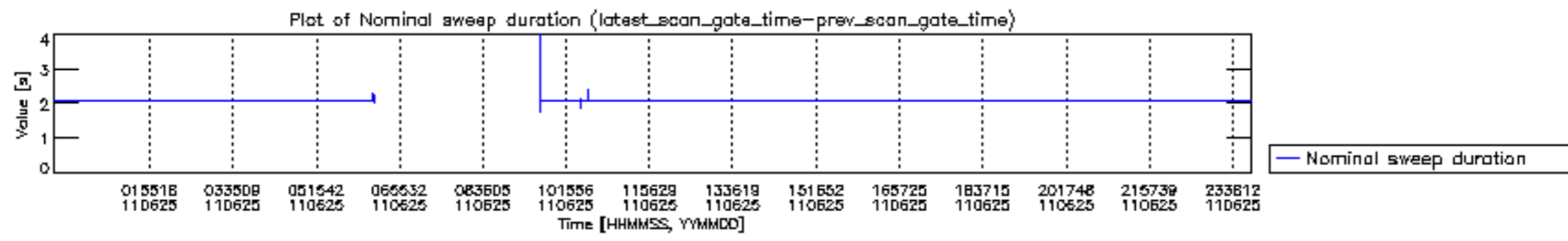


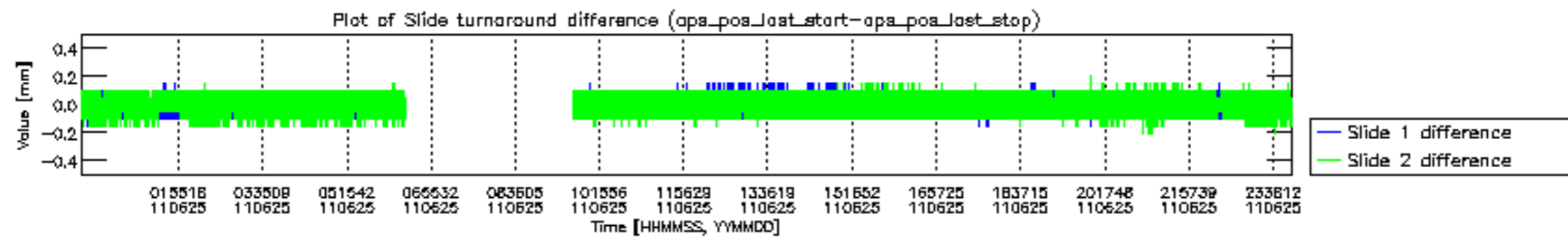


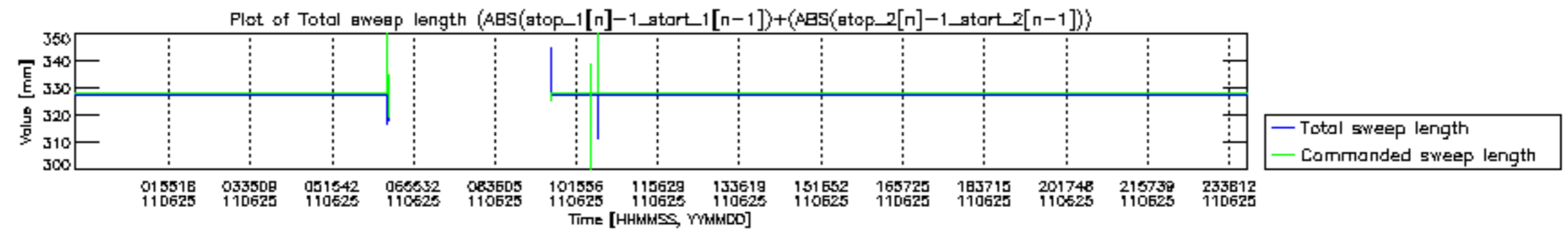


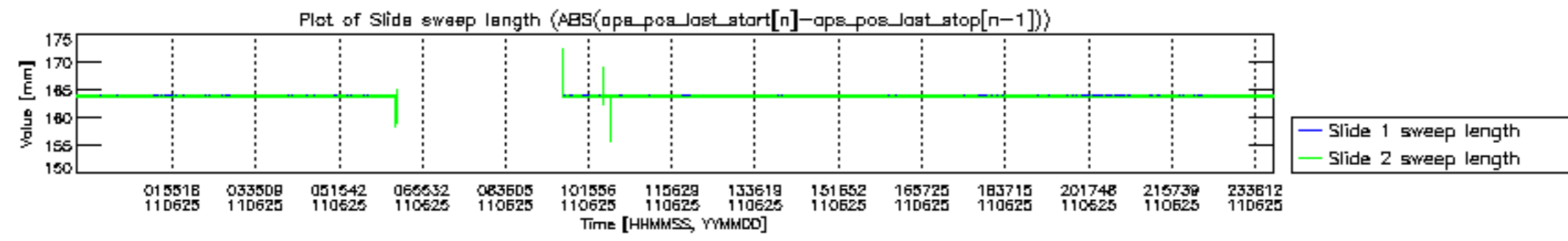


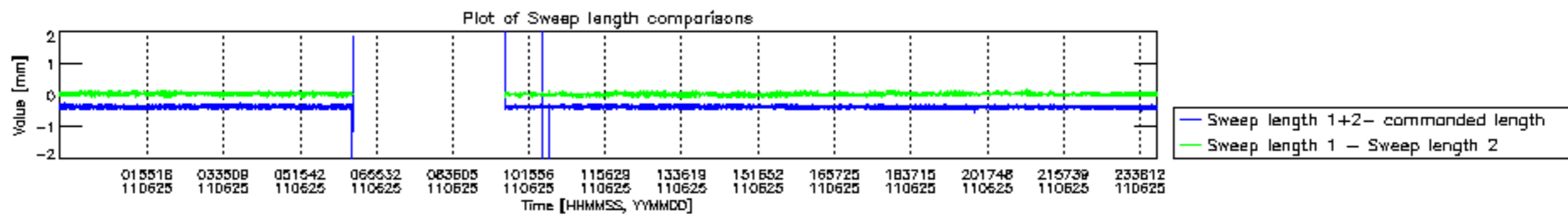


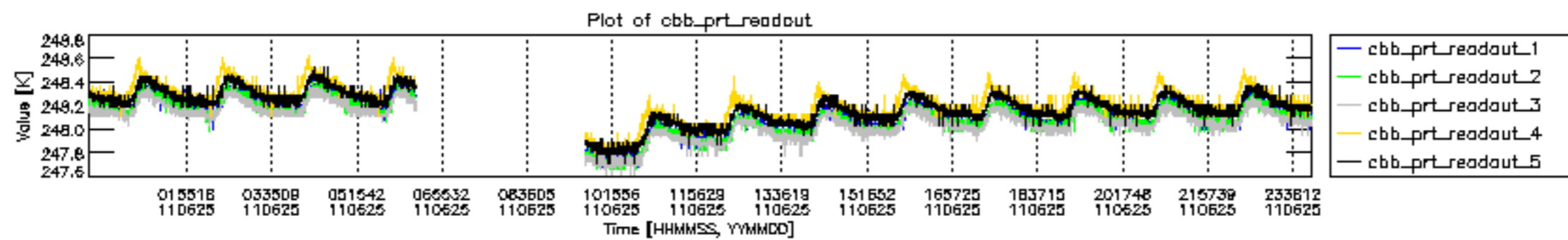




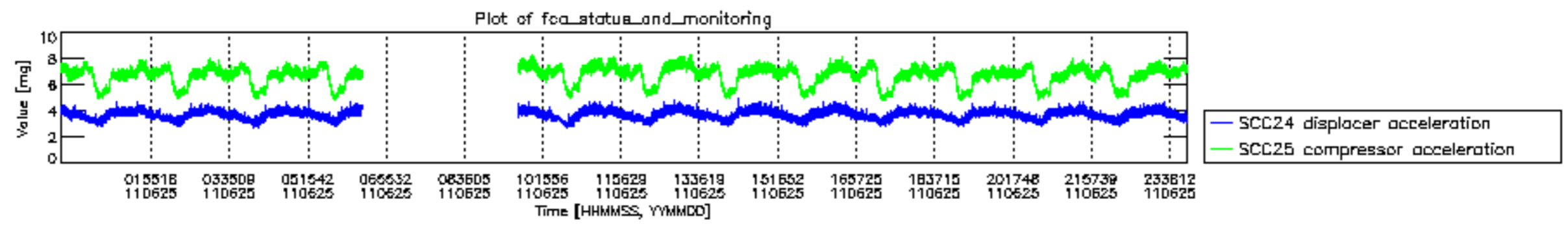












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

