

## 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	03JUL2011 05:23:42
Data source version	KSPT_L0/4504-N
Processing scope for products	28JUN2011 00:00:00 to 29JUN2011 00:00:00
Start time of first product within scope	28JUN2011 01:02:07
Stop time of last product within scope	29JUN2011 00:25:27
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__0PNPDE20110628_010207_000102313104_00045_48766_9125.N1	28JUN2011 01:02:07	28JUN2011 03:52:38	0	0	0	0	0
1	MIP_NL__0PNPDE20110628_035205_000061693104_00047_48768_9126.N1	28JUN2011 03:52:05	28JUN2011 05:34:54	0	0	0	0	0
2	MIP_NL__0PNPDE20110628_053418_000060653104_00048_48769_9127.N1	28JUN2011 05:34:18	28JUN2011 07:15:23	0	0	0	0	0
3	MIP_NL__0PNPDK20110628_071450_000040303104_00049_48770_5609.N1	28JUN2011 07:14:50	28JUN2011 08:21:59	0	0	0	0	0
4	MIP_NL__0PNPDK20110628_082126_000061703104_00050_48771_5610.N1	28JUN2011 08:21:26	28JUN2011 10:04:16	0	0	0	0	0
5	MIP_NL__0PNPDK20110628_100332_000059253104_00051_48772_5611.N1	28JUN2011 10:03:32	28JUN2011 11:42:17	0	0	0	0	0
6	MIP_NL__0PNPDK20110628_114133_000060253104_00052_48773_5612.N1	28JUN2011 11:41:33	28JUN2011 13:21:58	0	0	0	0	0
7	MIP_NL__0PNPDK20110628_132124_000058393104_00053_48774_5613.N1	28JUN2011 13:21:24	28JUN2011 14:58:43	0	0	0	0	0
8	MIP_NL__0PNPDK20110628_145759_000058813104_00054_48775_5614.N1	28JUN2011 14:57:59	28JUN2011 16:36:00	0	0	0	0	0
9	MIP_NL__0PNPDK20110628_163516_000059503104_00055_48776_5615.N1	28JUN2011 16:35:16	28JUN2011 18:14:26	0	0	0	0	0
10	MIP_NL__0PNPDK20110628_181329_000059773104_00056_48777_5616.N1	28JUN2011 18:13:29	28JUN2011 19:53:06	0	0	0	0	0
11	MIP_NL__0PNPDE20110628_205727_000064703104_00057_48778_9129.N1	28JUN2011 20:57:27	28JUN2011 22:45:17	0	0	0	0	0
12	MIP_NL__0PNPDE20110628_224416_000060713104_00058_48779_9130.N1	28JUN2011 22:44:16	29JUN2011 00:25:27	0	0	0	0	0

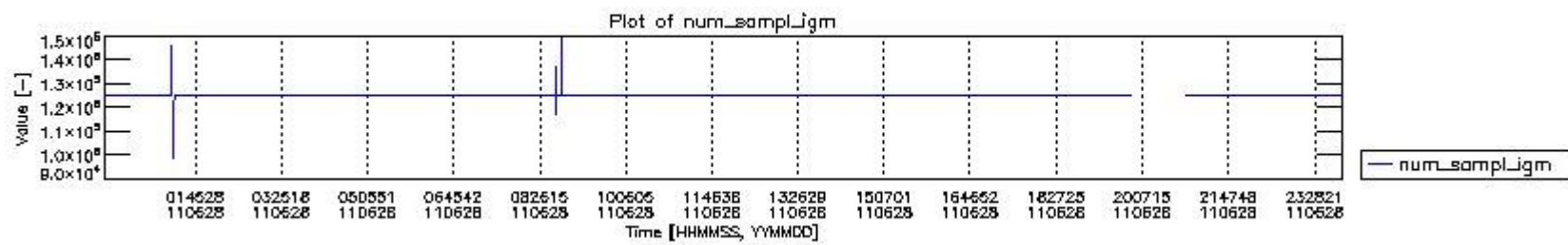
## 0.2 Instrument Operational Performance Parameters

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.

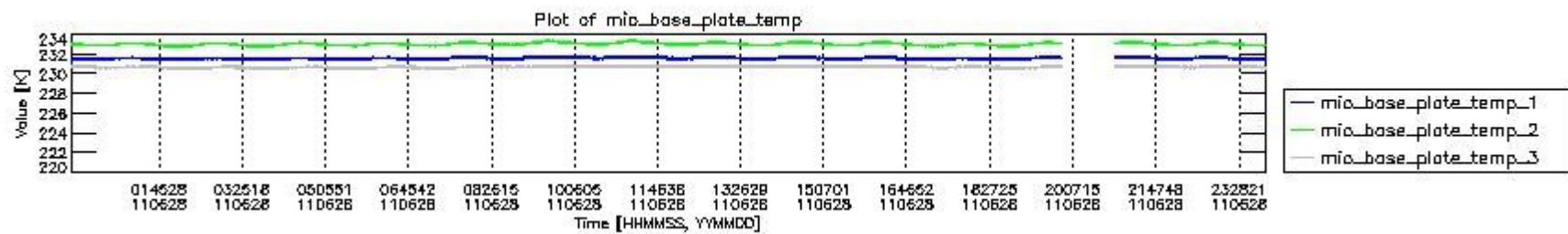
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98699	1	0.0025263371
117272	1	0.0025263371
123102	1	0.0025263371
123951	1	0.0025263371
124800	36922	93.277417

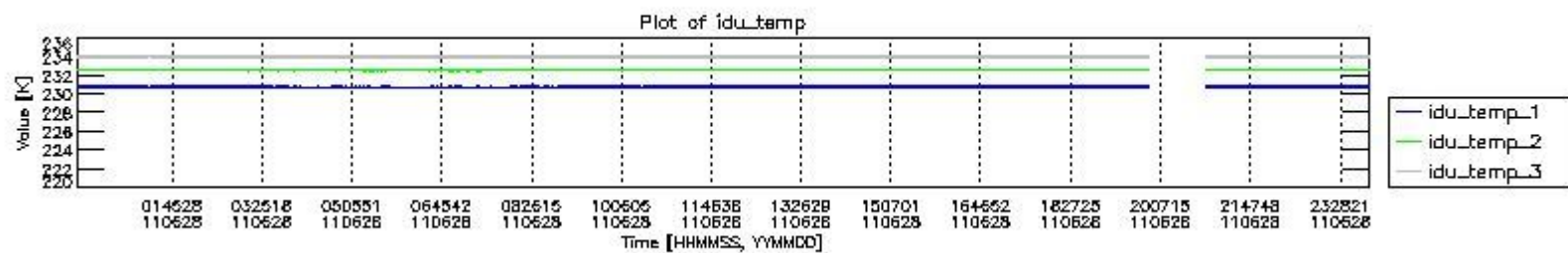
124803	2649	6.6922669
125449	1	0.0025263371
127010	1	0.0025263371
129876	1	0.0025263371
137404	1	0.0025263371
145581	1	0.0025263371
146230	1	0.0025263371
147142	1	0.0025263371
149352	1	0.0025263371



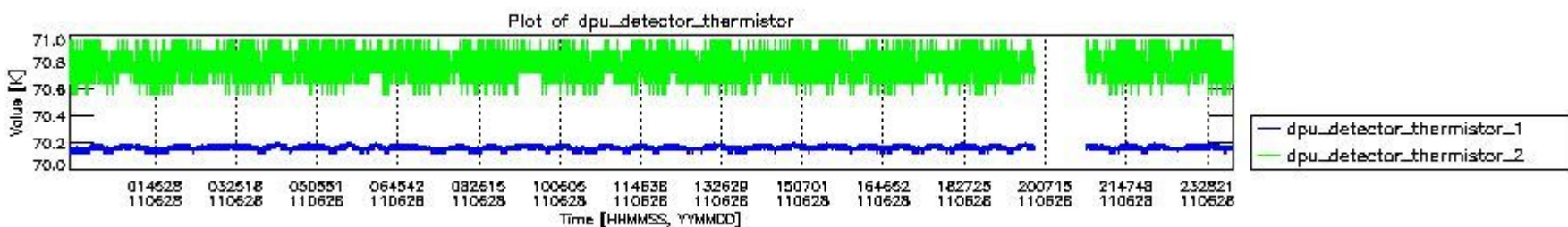
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110628\_0.PNG



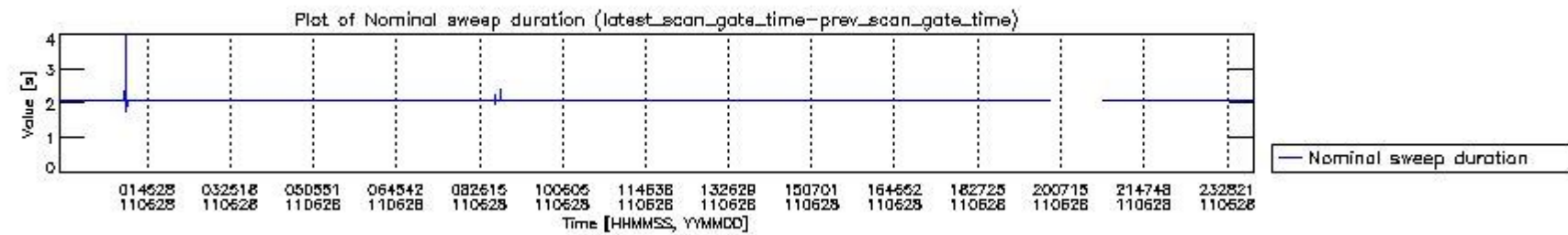
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110628\_1.PNG



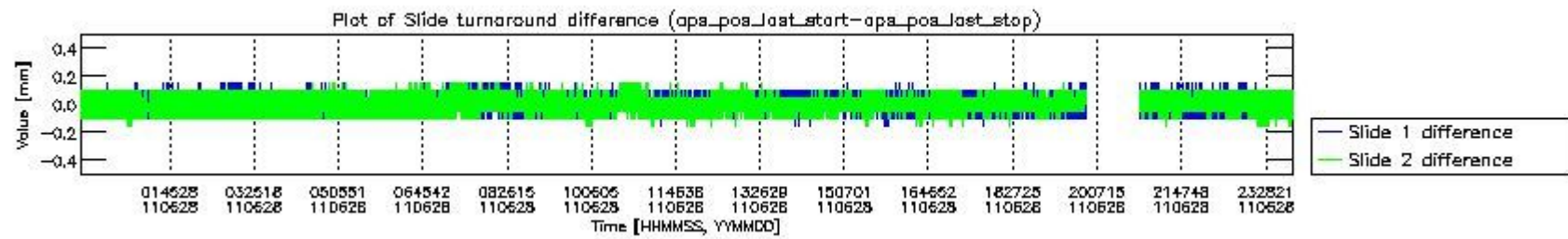
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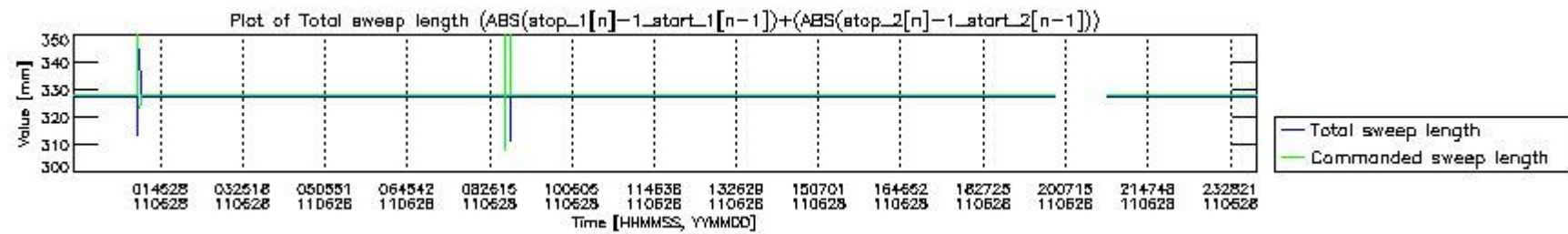
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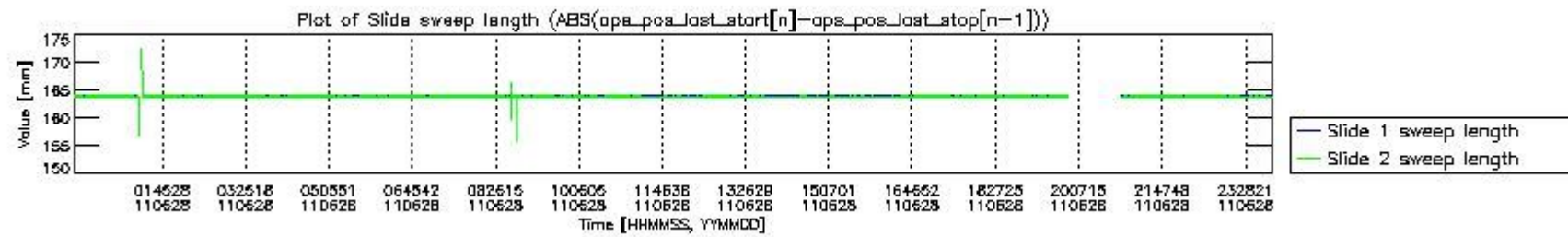
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110628\_4.PNG



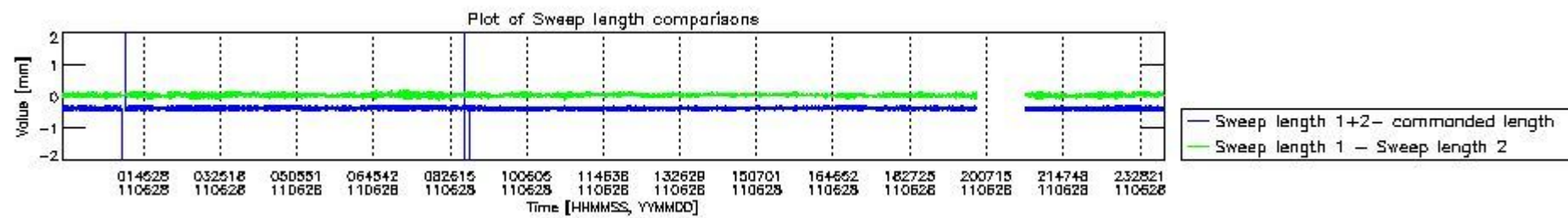
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110628\_5.PNG



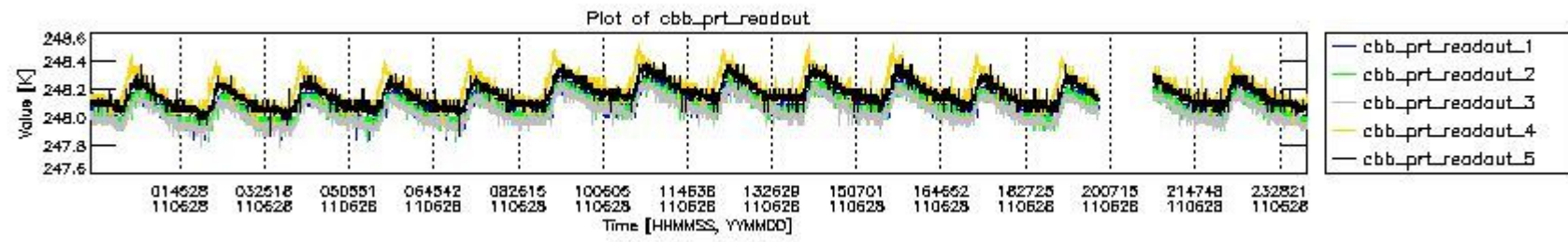
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110628\_6.PNG



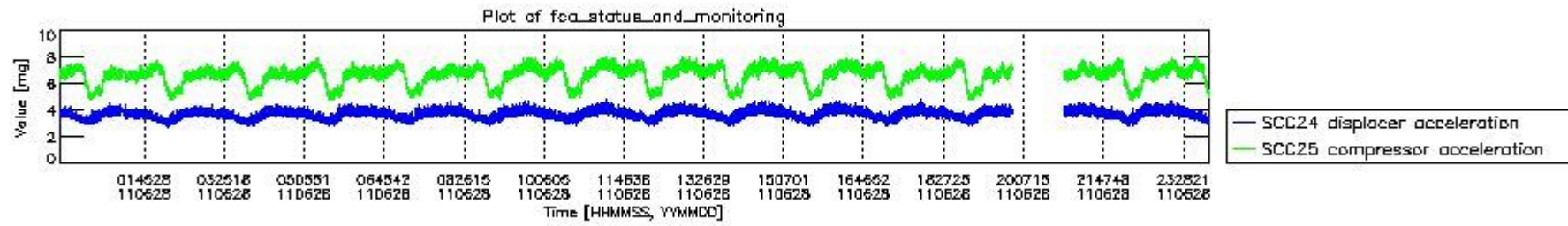
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110628\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110628\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110628\_9.PNG

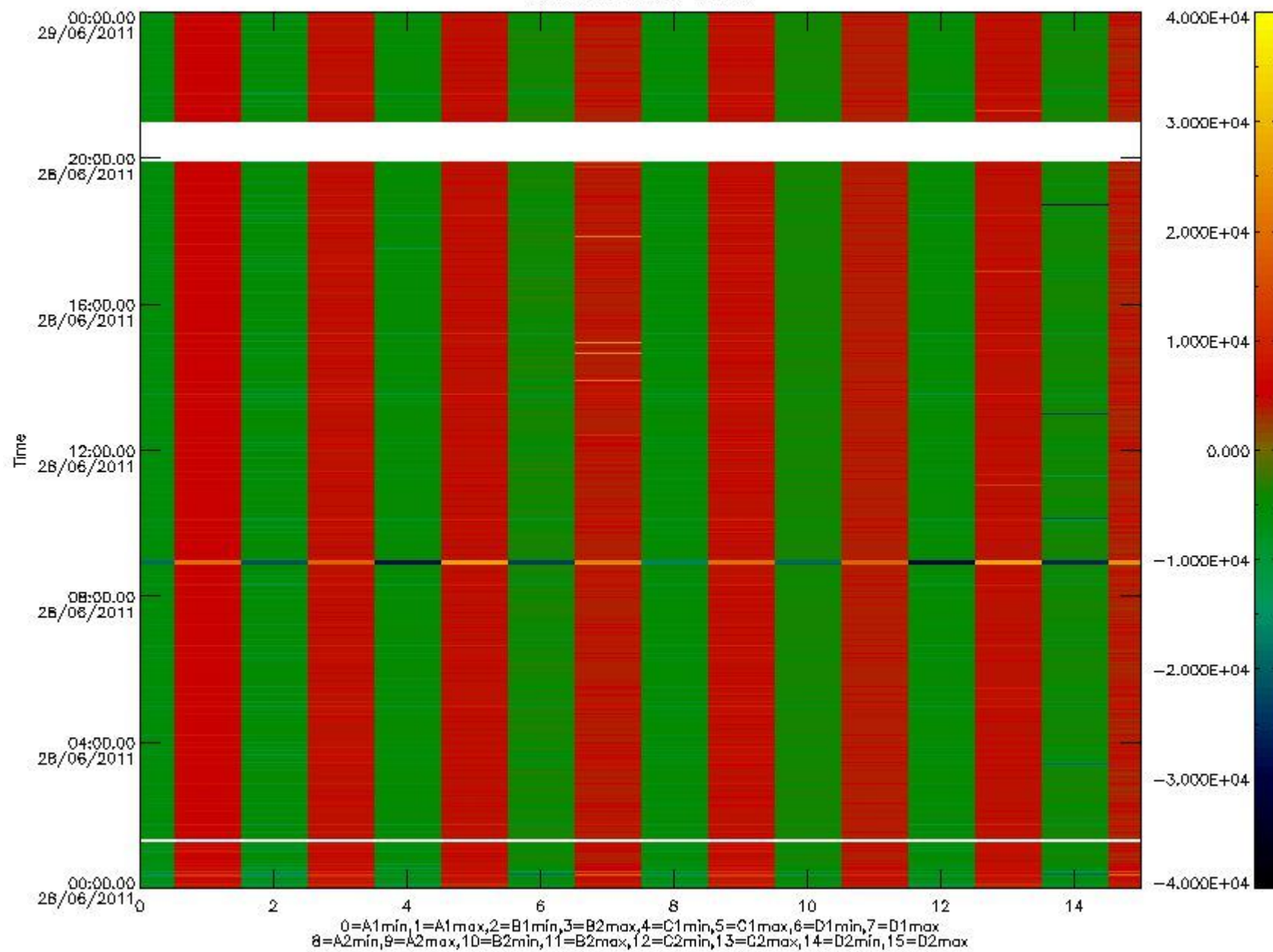


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110628\_10.PNG

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

Channel	Min	Max	ADC
A1	-19100	20320	16bit
B1	-22081	18846	16bit
C1	-28470	28397	16bit
D1	-32768	32767	16bit
A2	-16465	20473	16bit
B2	-20472	19983	16bit
C2	-29600	29238	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\_20110628\_11.PNG

### 0.3 ADF monitoring

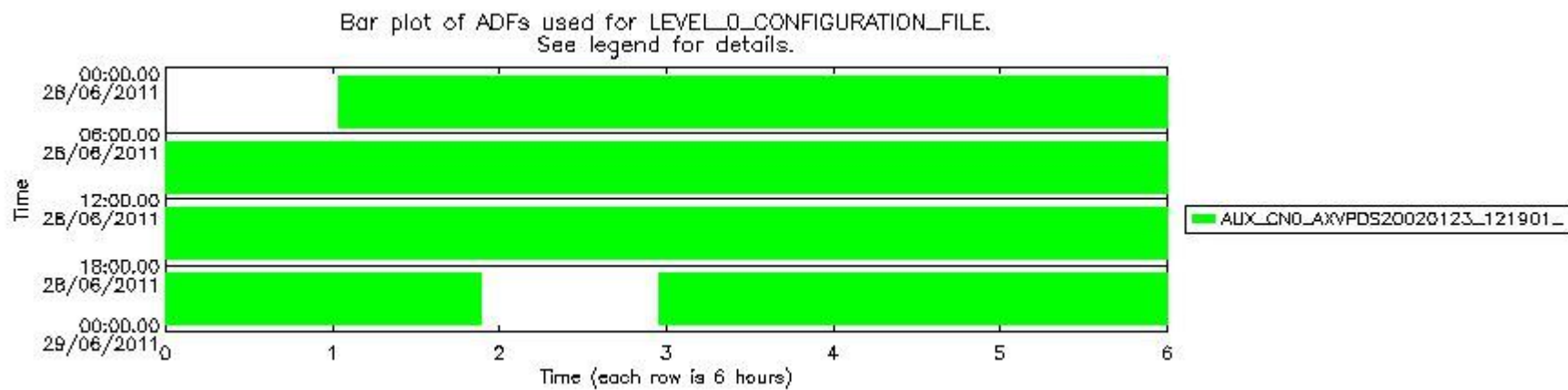
The use of ADFs is shown in two ways:

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.

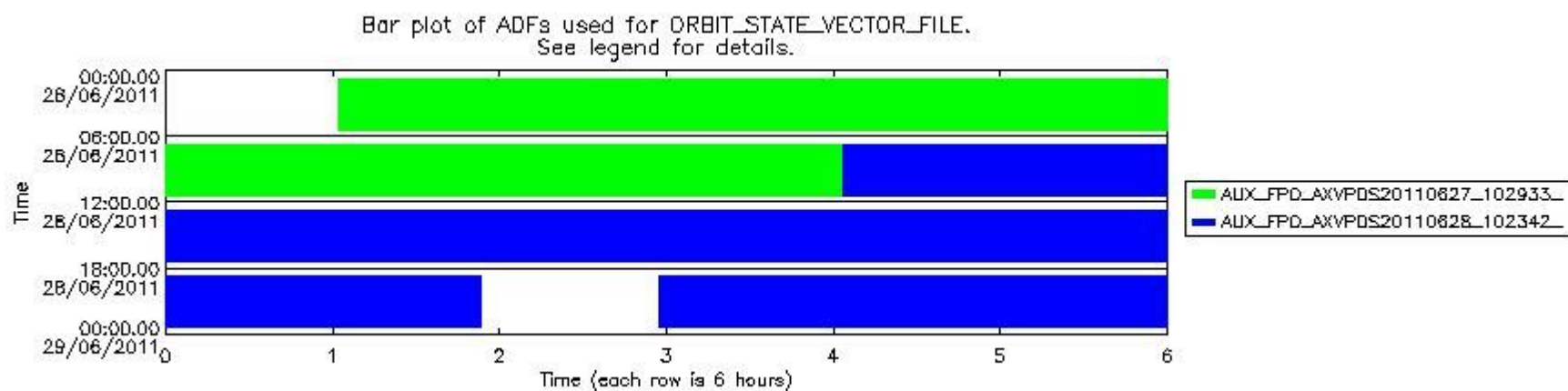
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110627_102933_20110626_190853_20110706_212240
2	AUX_FPO_AXVPDS20110628_102342_20110627_183208_20110707_204556

Number	Product name	#CN0	#FPO
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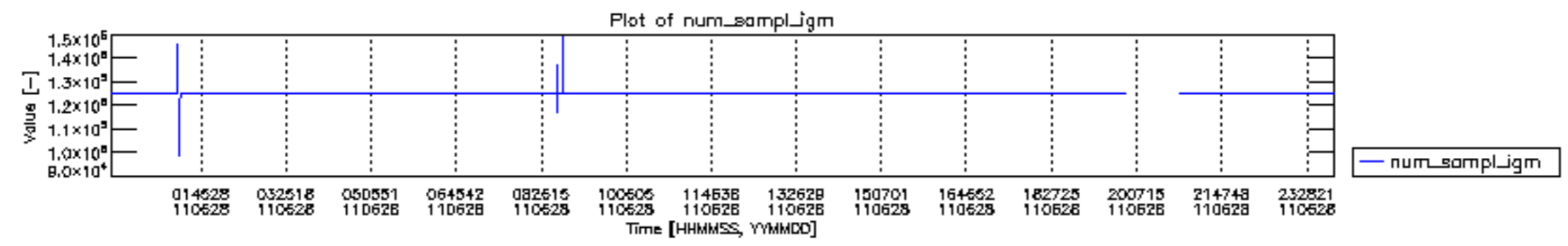
0	MIP_NL__0PNPDE20110628_010207_000102313104_00045_48766_9125.N1	0	1
1	MIP_NL__0PNPDE20110628_035205_000061693104_00047_48768_9126.N1	0	1
2	MIP_NL__0PNPDE20110628_053418_000060653104_00048_48769_9127.N1	0	1
3	MIP_NL__0PNPDK20110628_071450_000040303104_00049_48770_5609.N1	0	1
4	MIP_NL__0PNPDK20110628_082126_000061703104_00050_48771_5610.N1	0	1
5	MIP_NL__0PNPDK20110628_100332_000059253104_00051_48772_5611.N1	0	2
6	MIP_NL__0PNPDK20110628_114133_000060253104_00052_48773_5612.N1	0	2
7	MIP_NL__0PNPDK20110628_132124_000058393104_00053_48774_5613.N1	0	2
8	MIP_NL__0PNPDK20110628_145759_000058813104_00054_48775_5614.N1	0	2
9	MIP_NL__0PNPDK20110628_163516_000059503104_00055_48776_5615.N1	0	2
10	MIP_NL__0PNPDK20110628_181329_000059773104_00056_48777_5616.N1	0	2
11	MIP_NL__0PNPDE20110628_205727_000064703104_00057_48778_9129.N1	0	2
12	MIP_NL__0PNPDE20110628_224416_000060713104_00058_48779_9130.N1	0	2

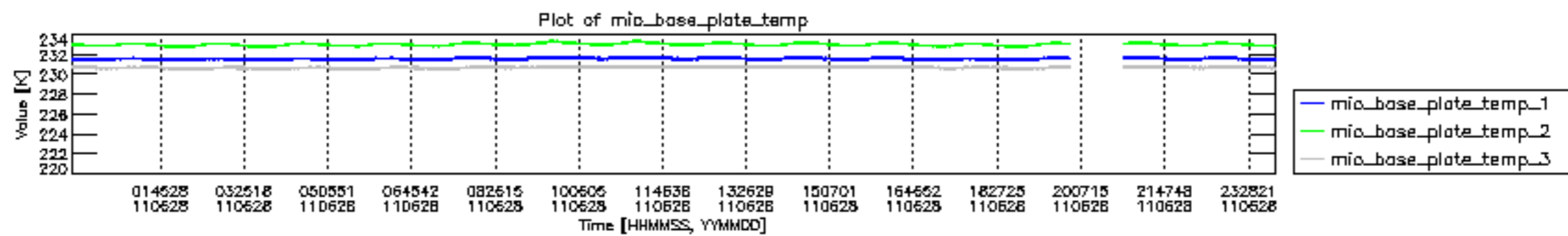


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110628\_12.PNG

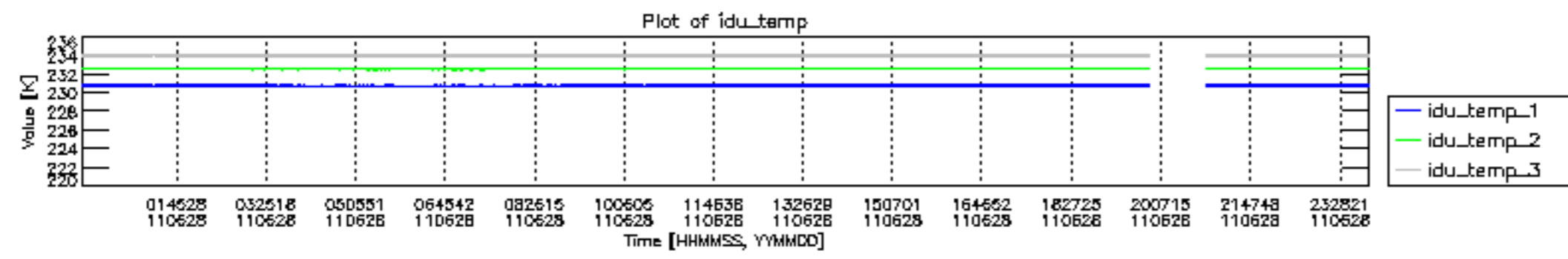


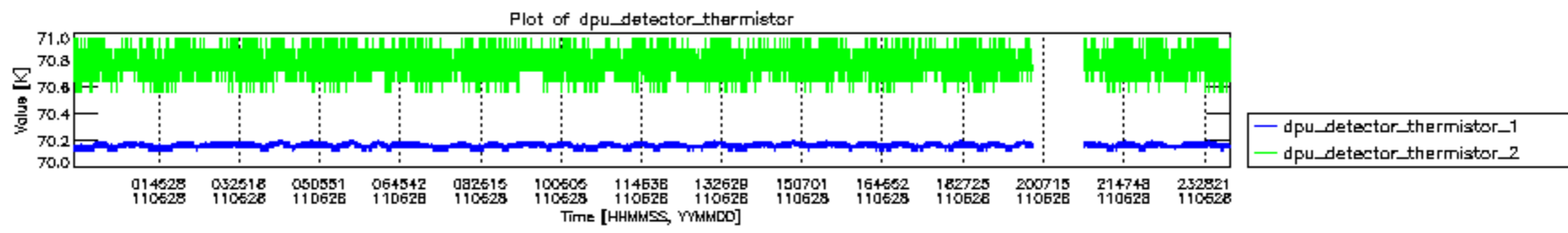
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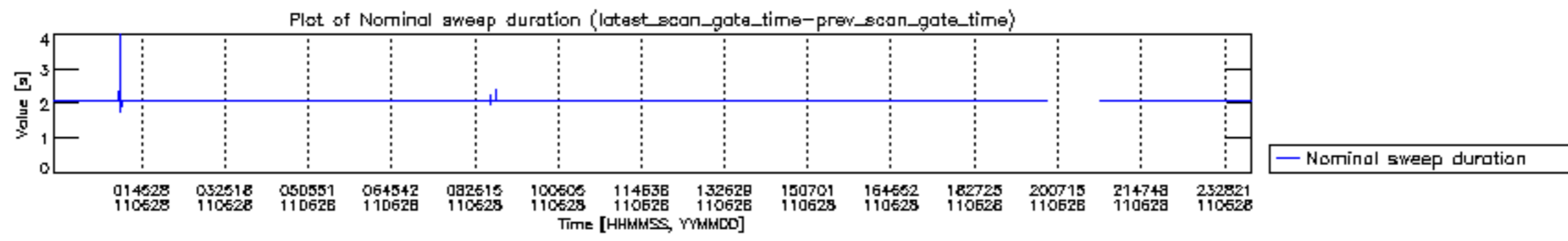


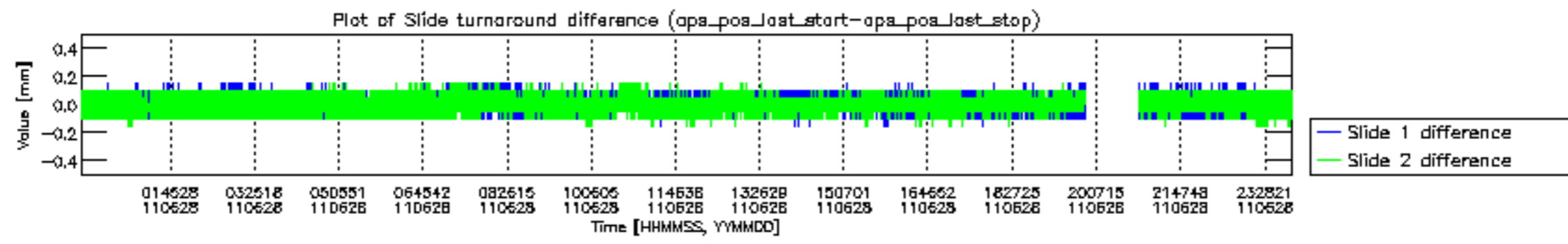


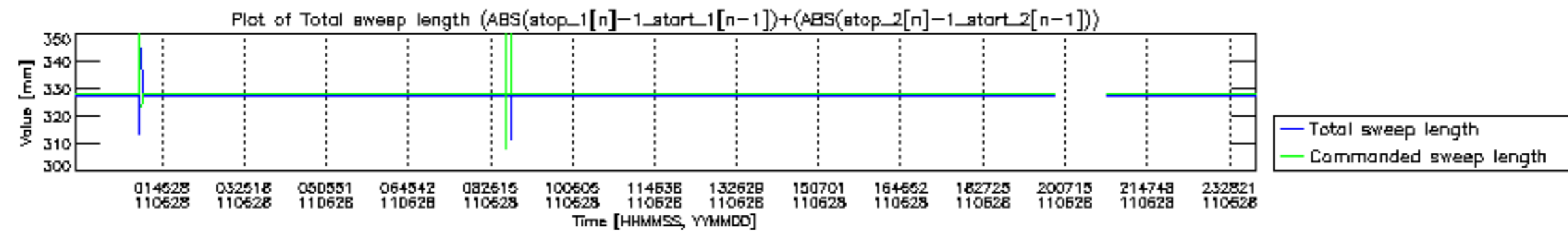


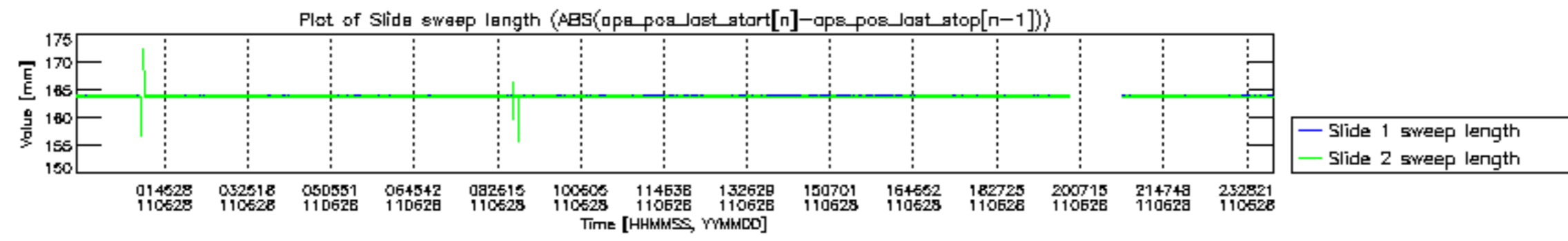


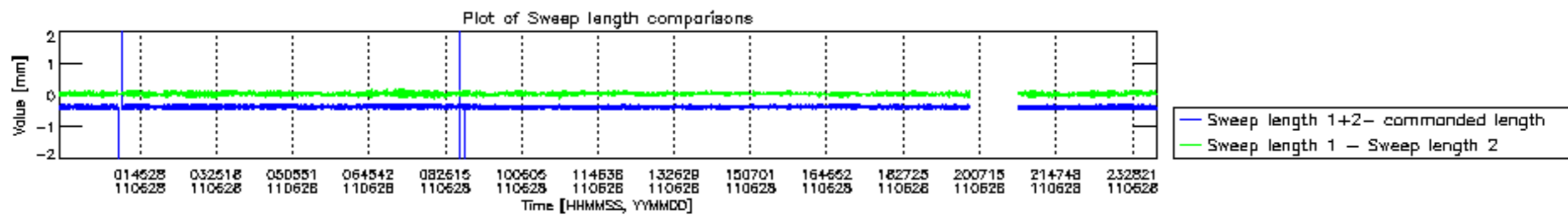


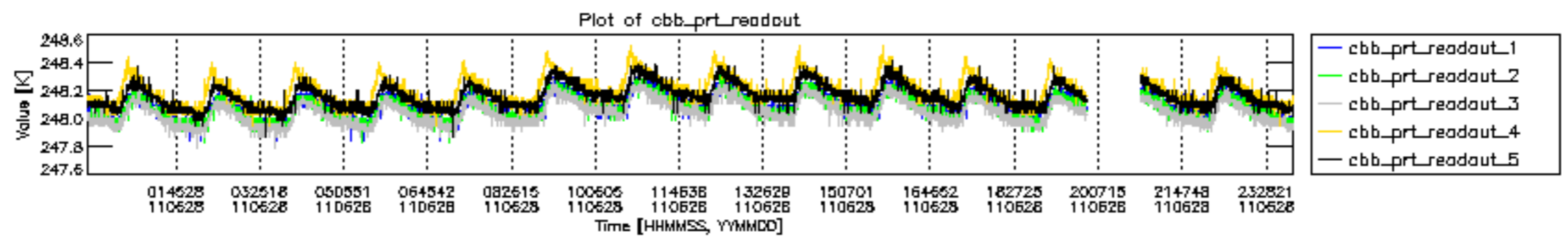




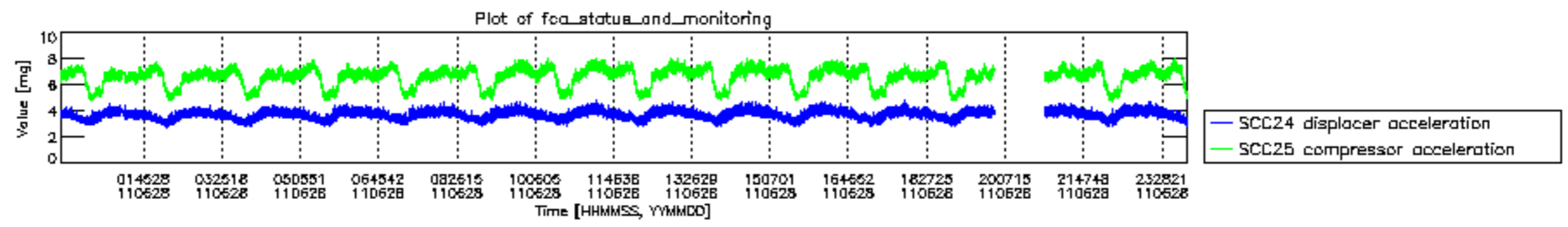












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

