

## 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	23JAN2011 05:24:20
Data source version	KSPT_L0/4504-N
Processing scope for products	18JAN2011 00:00:00 to 19JAN2011 00:00:00
Start time of first product within scope	18JAN2011 01:01:19
Stop time of last product within scope	19JAN2011 00:25:39
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__OPNPDE20110118_010119_000102743098_00318_46453_2736.N1	18JAN2011 01:01:19	18JAN2011 03:52:33	0	0	0	0	0
1	MIP_NL__OPNPDE20110118_014431_000076823098_00319_46454_2737.N1	18JAN2011 01:44:31	18JAN2011 03:52:33	0	0	0	0	0
2	MIP_NL__OPNPDE20110118_035159_000062613098_00320_46455_2739.N1	18JAN2011 03:51:59	18JAN2011 05:36:20	0	0	0	0	0
3	MIP_NL__OPNPDE20110118_053547_000060103098_00321_46456_2740.N1	18JAN2011 05:35:47	18JAN2011 07:15:57	0	0	0	0	0
4	MIP_NL__OPNPDK20110118_071524_000040133098_00322_46457_4050.N1	18JAN2011 07:15:24	18JAN2011 08:22:17	0	0	0	0	0
5	MIP_NL__OPNPDK20110118_082121_000060823098_00323_46458_4051.N1	18JAN2011 08:21:21	18JAN2011 10:02:43	0	0	0	0	0
6	MIP_NL__OPNPDK20110118_100103_000061523098_00324_46459_4052.N1	18JAN2011 10:01:03	18JAN2011 11:43:35	0	0	0	0	0
7	MIP_NL__OPNPDK20110118_114157_000060023098_00325_46460_4053.N1	18JAN2011 11:41:57	18JAN2011 13:21:59	0	0	0	0	0
8	MIP_NL__OPNPDK20110118_132042_000058143098_00326_46461_4054.N1	18JAN2011 13:20:42	18JAN2011 14:57:36	0	0	0	0	0
9	MIP_NL__OPNPDK20110118_145702_000059273098_00327_46462_4055.N1	18JAN2011 14:57:02	18JAN2011 16:35:49	0	0	0	0	0
10	MIP_NL__OPNPDK20110118_163450_000059233098_00328_46463_4056.N1	18JAN2011 16:34:50	18JAN2011 18:13:33	0	0	0	0	0
11	MIP_NL__OPNPDK20110118_181235_000059623098_00329_46464_4057.N1	18JAN2011 18:12:35	18JAN2011 19:51:57	0	0	0	0	0
12	MIP_NL__OPNPDE20110118_195006_000041323098_00330_46465_2741.N1	18JAN2011 19:50:06	18JAN2011 20:58:58	0	0	0	0	0
13	MIP_NL__OPNPDE20110118_205752_000065163098_00330_46465_2742.N1	18JAN2011 20:57:52	18JAN2011 22:46:28	0	0	0	0	0
14	MIP_NL__OPNPDE20110118_224525_000060153098_00331_46466_2743.N1	18JAN2011 22:45:25	19JAN2011 00:25:39	0	0	0	0	0

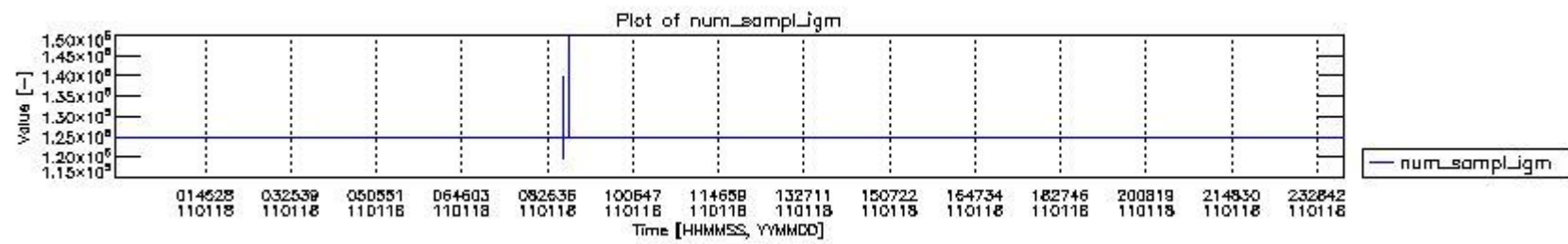
## 0.2 Instrument Operational Performance Parameters

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.

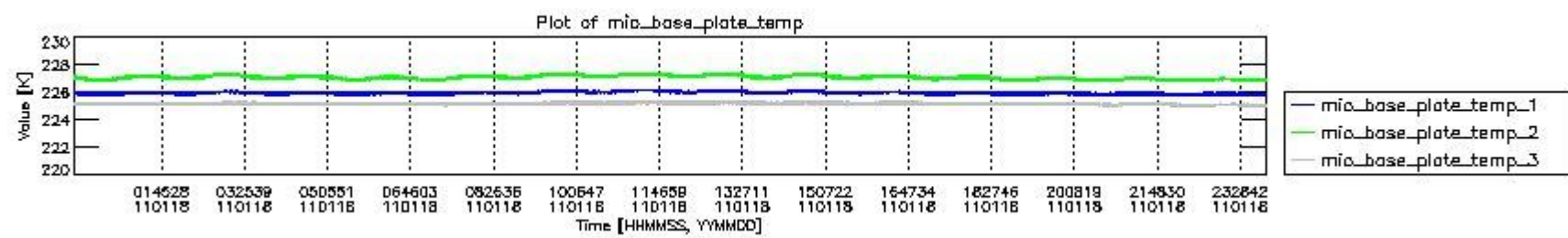
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
119650	1	0.0024013063
124800	38678	92.877725
124803	2960	7.1078667

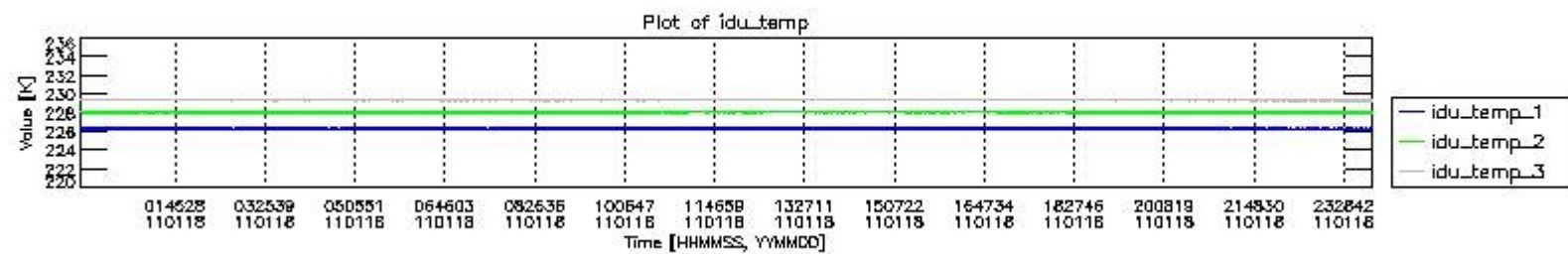
127233	1	0.0024013063
134632	1	0.0024013063
139782	1	0.0024013063
147365	1	0.0024013063
149798	1	0.0024013063



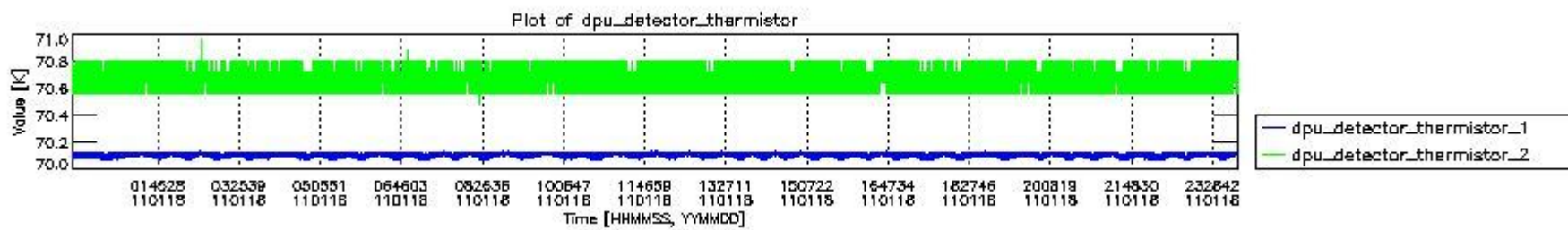
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110118\_0.PNG



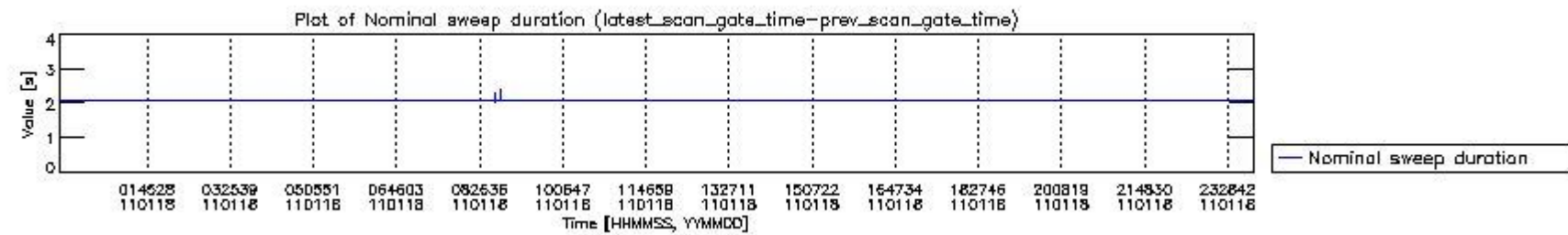
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110118\_1.PNG



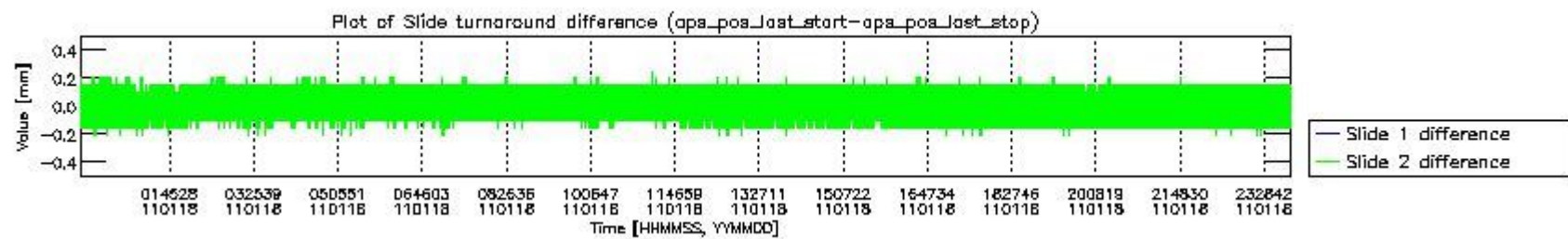
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110118\_2.PNG



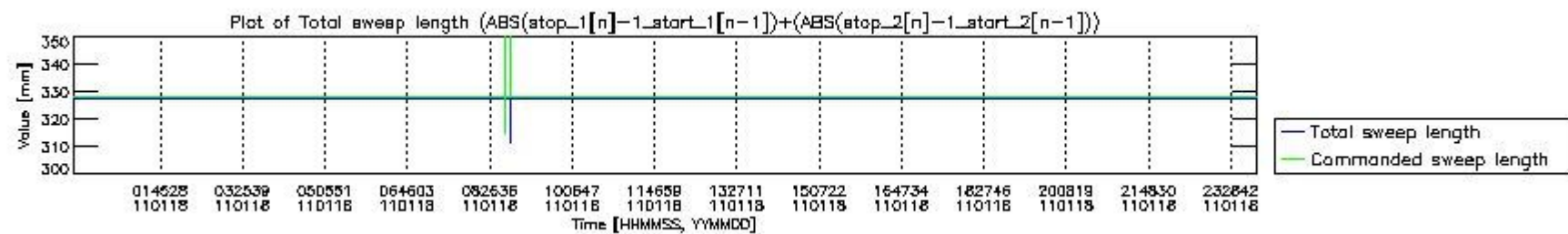
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110118\_3.PNG



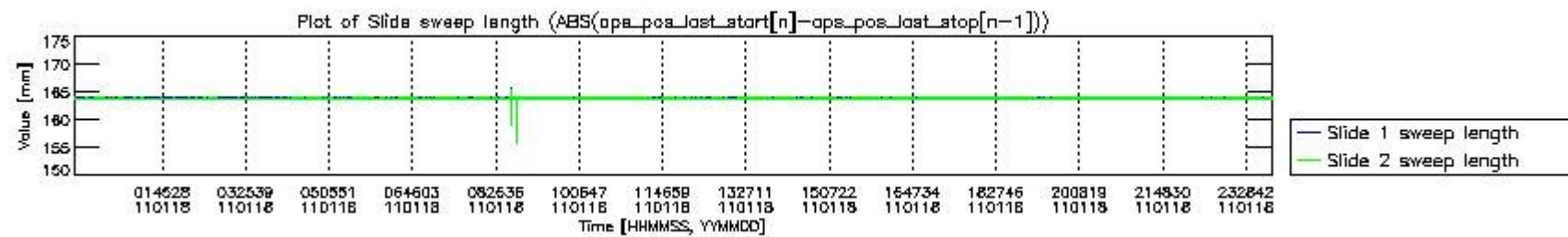
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110118\_4.PNG



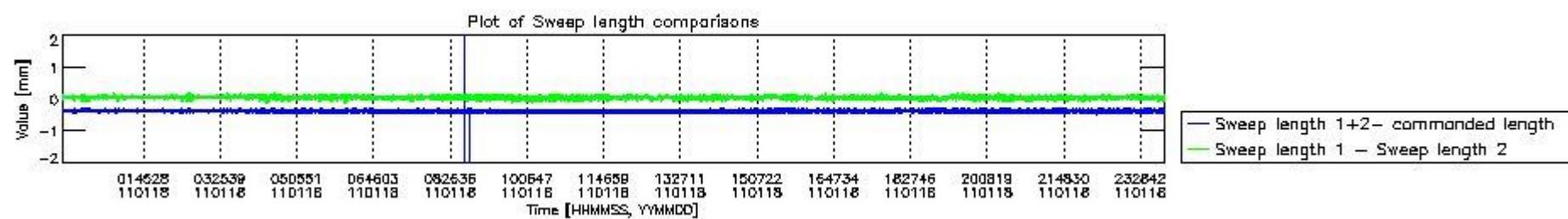
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110118\_5.PNG



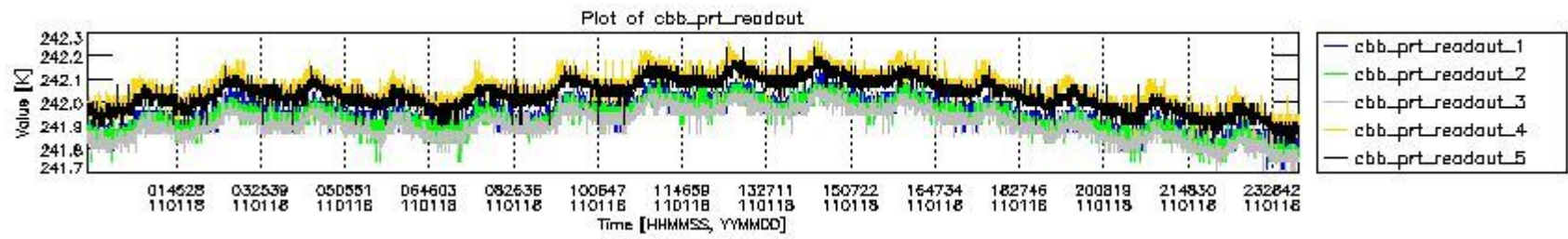
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110118\_6.PNG



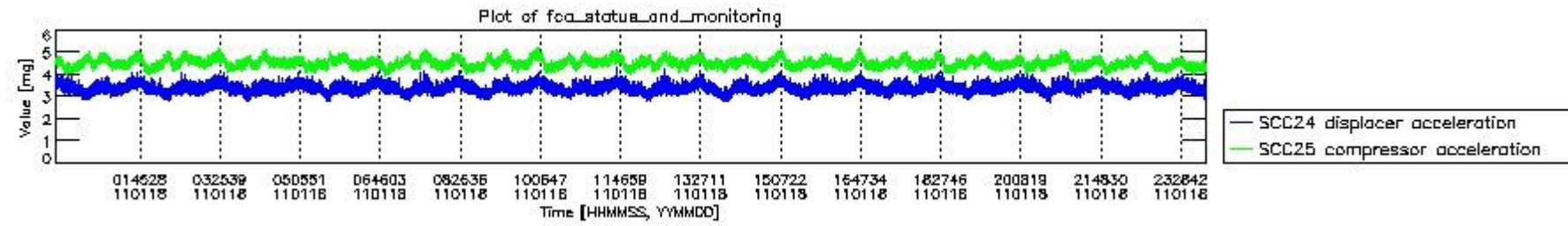
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110118\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110118\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110118\_9.PNG

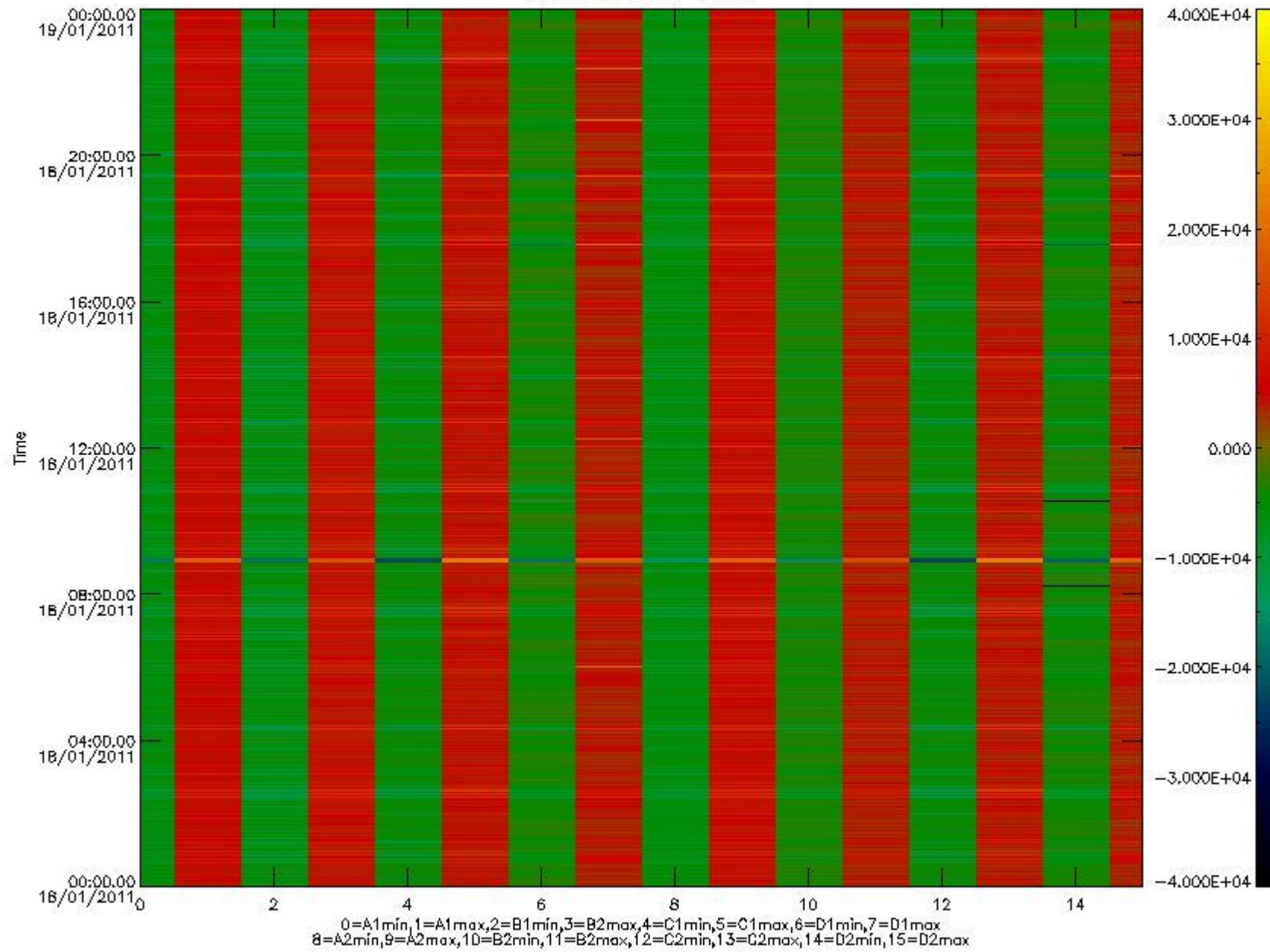


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110118\_10.PNG

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	-32768	32767	16bit
D1	-32768	32767	16bit
A2	-30708	32767	16bit
B2	-32768	32767	16bit
C2	-32768	32767	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\_20110118\_11.PNG

### 0.3 ADF monitoring

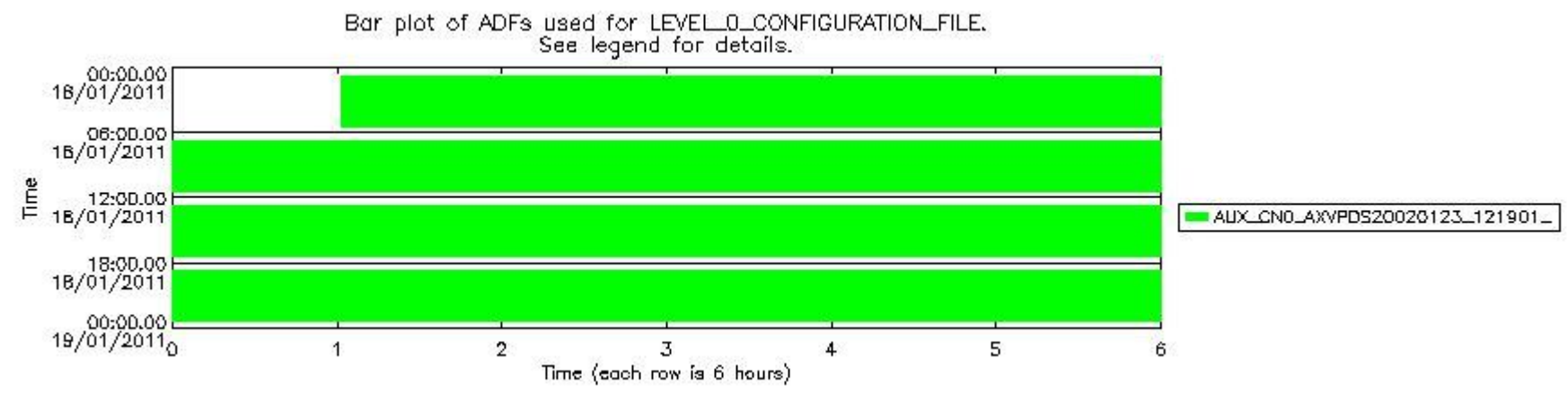
The use of ADFs is shown in two ways:

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.

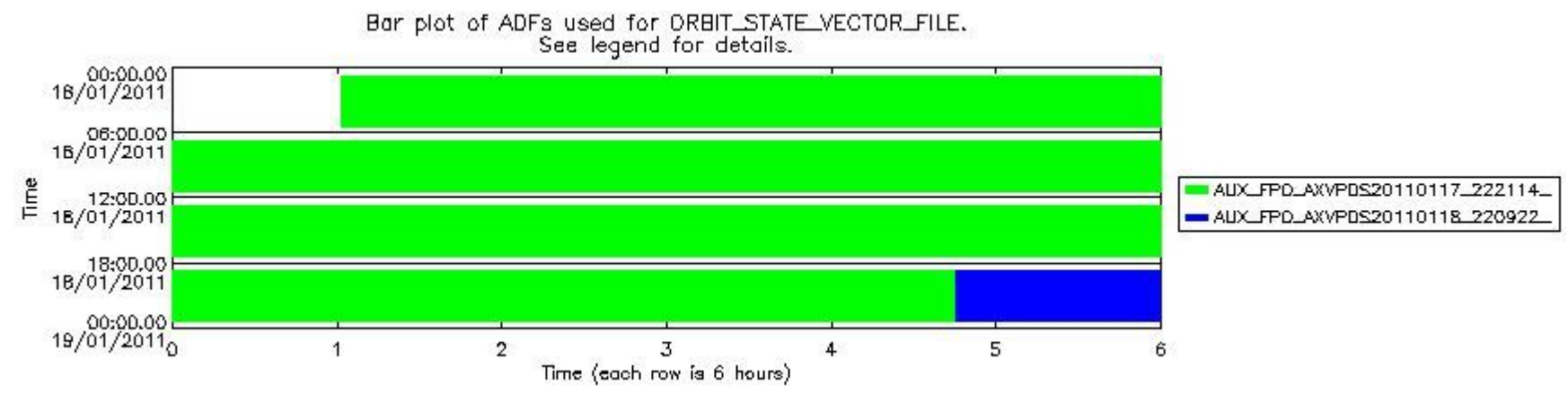
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110117_222114_20110117_183237_20110127_204629
2	AUX_FPO_AXVPDS20110118_220922_20110118_193607_20110128_200945

Number	Product name	#CN0	#FPO
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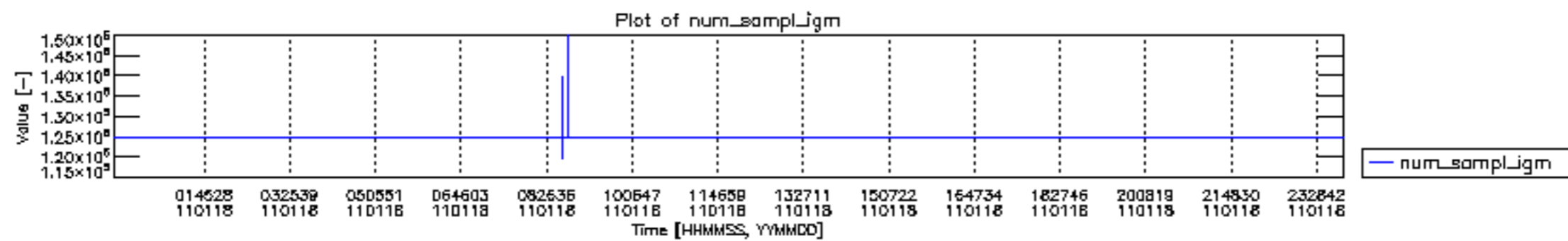
0	MIP_NL__0PNPDE20110118_010119_000102743098_00318_46453_2736.N1	0	1
1	MIP_NL__0PNPDE20110118_014431_000076823098_00319_46454_2737.N1	0	1
2	MIP_NL__0PNPDE20110118_035159_000062613098_00320_46455_2739.N1	0	1
3	MIP_NL__0PNPDE20110118_053547_000060103098_00321_46456_2740.N1	0	1
4	MIP_NL__0PNPDK20110118_071524_000040133098_00322_46457_4050.N1	0	1
5	MIP_NL__0PNPDK20110118_082121_000060823098_00323_46458_4051.N1	0	1
6	MIP_NL__0PNPDK20110118_100103_000061523098_00324_46459_4052.N1	0	1
7	MIP_NL__0PNPDK20110118_114157_000060023098_00325_46460_4053.N1	0	1
8	MIP_NL__0PNPDK20110118_132042_000058143098_00326_46461_4054.N1	0	1
9	MIP_NL__0PNPDK20110118_145702_000059273098_00327_46462_4055.N1	0	1
10	MIP_NL__0PNPDK20110118_163450_000059233098_00328_46463_4056.N1	0	1
11	MIP_NL__0PNPDK20110118_181235_000059623098_00329_46464_4057.N1	0	1
12	MIP_NL__0PNPDE20110118_195006_000041323098_00330_46465_2741.N1	0	1
13	MIP_NL__0PNPDE20110118_205752_000065163098_00330_46465_2742.N1	0	1
14	MIP_NL__0PNPDE20110118_224525_000060153098_00331_46466_2743.N1	0	2

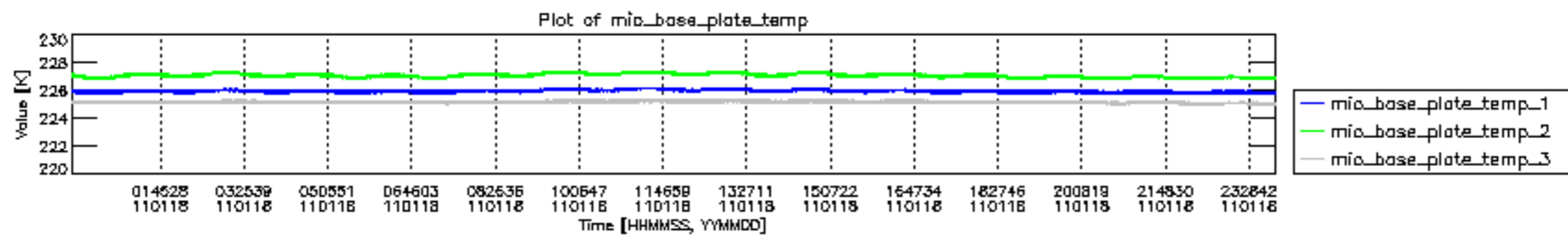


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110118\_12.PNG

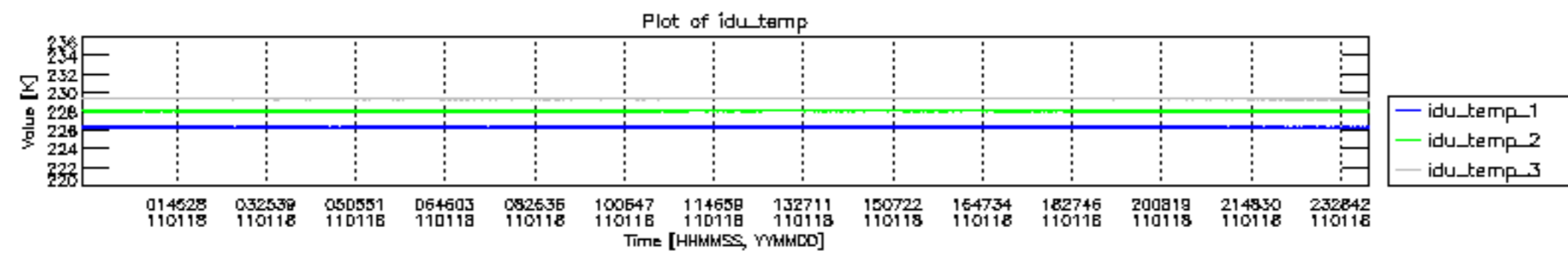


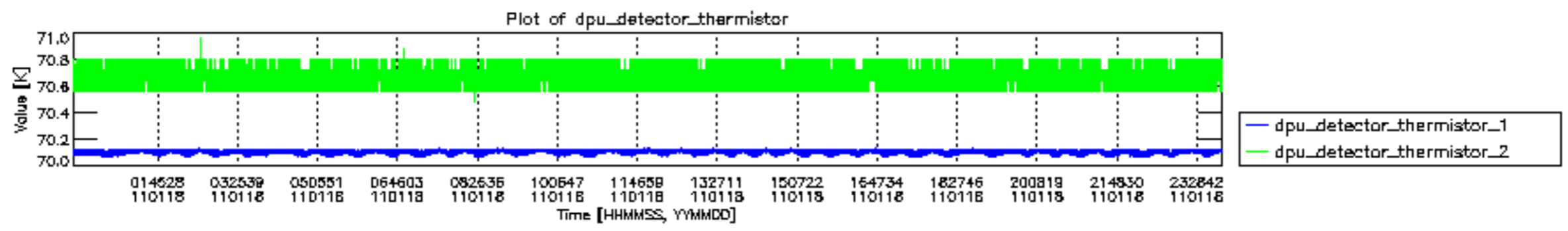
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110118\_13.PNG

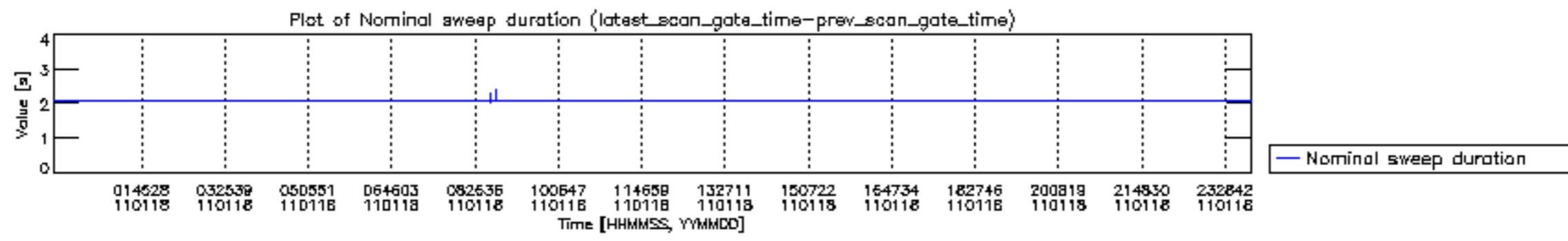


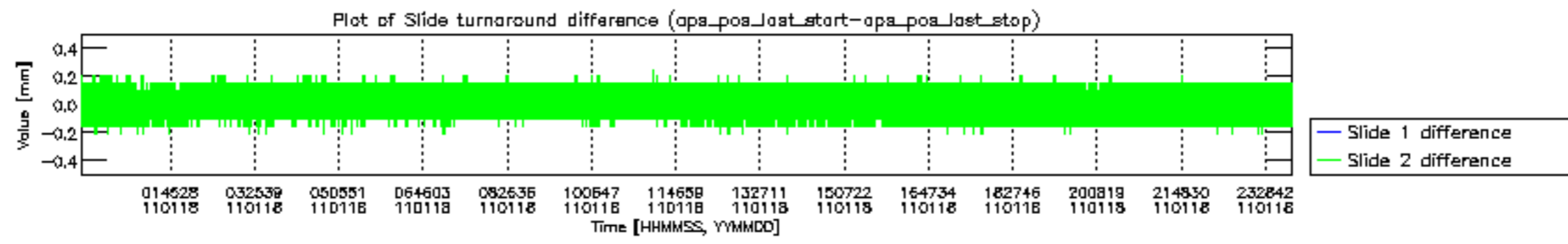


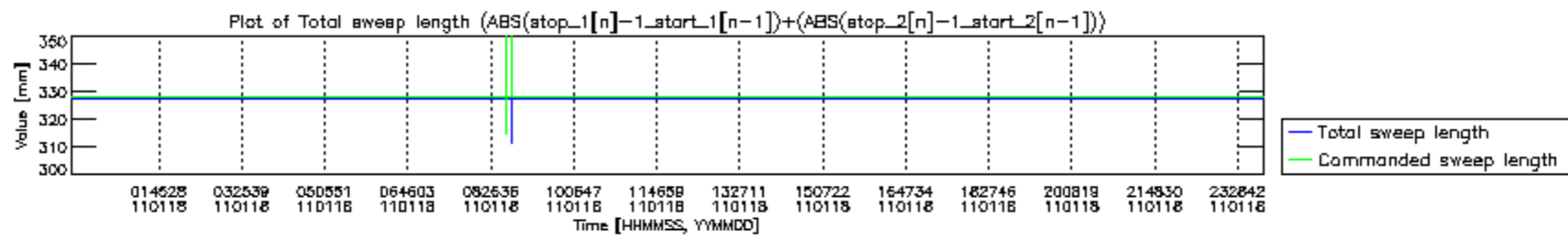


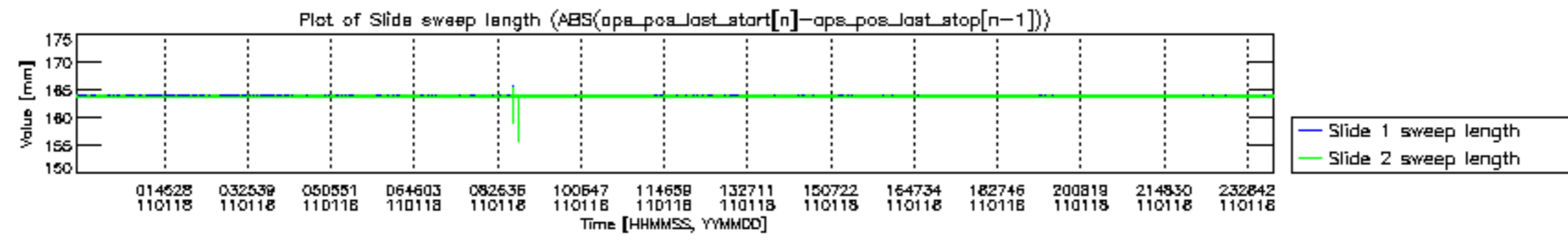


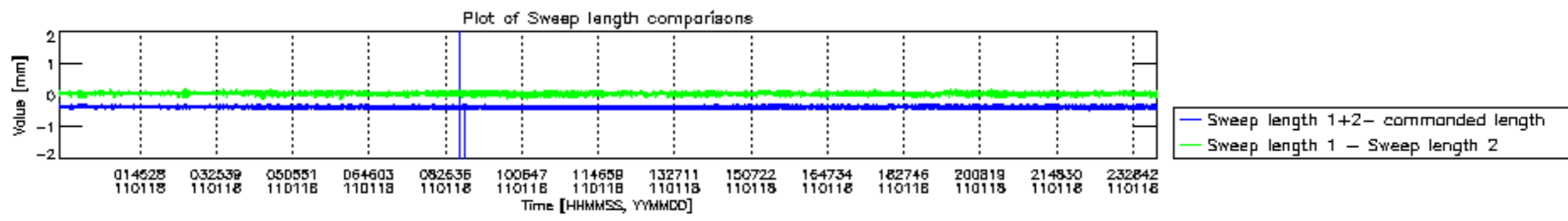


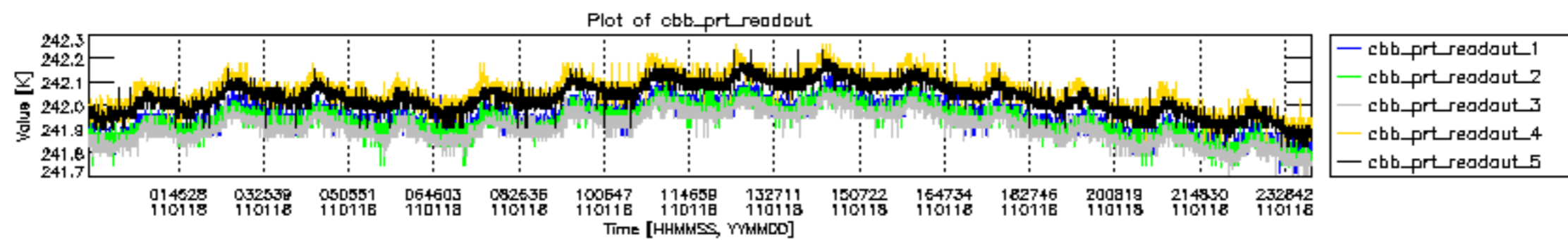




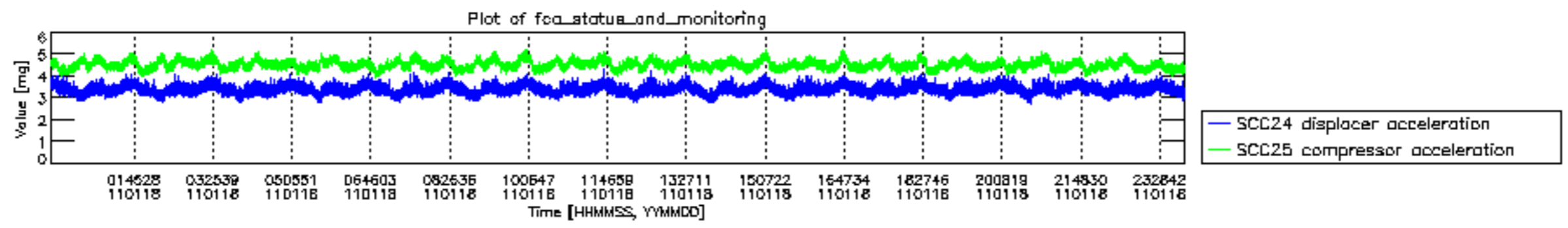












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

