

## 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	28NOV2011 05:24:13
Data source version	KSPT_L0/4504-N
Processing scope for products	23NOV2011 00:00:00 to 24NOV2011 00:00:00
Start time of first product within scope	23NOV2011 00:35:19
Stop time of last product within scope	24NOV2011 01:38:28
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__0PNPDE20111123_003519_000058643109_00016_50892_4893.N1	23NOV2011 00:35:19	23NOV2011 02:13:03	0	0	0	0	0
1	MIP_NL__0PNPDE20111123_021205_000045373109_00017_50893_4894.N1	23NOV2011 02:12:05	23NOV2011 03:27:42	0	0	0	0	0
2	MIP_NL__0PNPDE20111123_032709_000061613109_00018_50894_4895.N1	23NOV2011 03:27:09	23NOV2011 05:09:49	0	0	0	0	0
3	MIP_NL__0PNPDE20111123_050916_000060353109_00019_50895_4896.N1	23NOV2011 05:09:16	23NOV2011 06:49:51	0	0	0	0	0
4	MIP_NL__0PNPDK20111123_075537_000061943109_00021_50897_7602.N1	23NOV2011 07:55:37	23NOV2011 09:38:51	0	0	0	0	0
5	MIP_NL__0PNPDK20111123_093713_000059473109_00022_50898_7603.N1	23NOV2011 09:37:13	23NOV2011 11:16:20	0	0	0	0	0
6	MIP_NL__0PNPDK20111123_111438_000060413109_00023_50899_7604.N1	23NOV2011 11:14:38	23NOV2011 12:55:20	0	0	0	0	0
7	MIP_NL__0PNPDK20111123_125421_000059773109_00024_50900_7605.N1	23NOV2011 12:54:21	23NOV2011 14:33:58	0	0	0	0	0
8	MIP_NL__0PNPDK20111123_143249_000060023109_00025_50901_7606.N1	23NOV2011 14:32:49	23NOV2011 16:12:51	0	0	0	0	0
9	MIP_NL__0PNPDK20111123_161215_000058543109_00026_50902_7607.N1	23NOV2011 16:12:15	23NOV2011 17:49:49	0	0	0	0	0
10	MIP_NL__0PNPDK20111123_174848_000059023109_00027_50903_7608.N1	23NOV2011 17:48:48	23NOV2011 19:27:10	0	0	0	0	0
11	MIP_NL__0PNPDK20111123_192502_000062343109_00028_50904_7609.N1	23NOV2011 19:25:02	23NOV2011 21:08:56	0	0	0	0	0
12	MIP_NL__0PNPDE20111123_210655_000043183109_00029_50905_4897.N1	23NOV2011 21:06:55	23NOV2011 22:18:53	0	0	0	0	0
13	MIP_NL__0PNPDE20111123_221755_000061463109_00029_50905_4898.N1	23NOV2011 22:17:55	24NOV2011 00:00:21	0	0	0	0	0
14	MIP_NL__0PNPDE20111123_235914_000059543109_00030_50906_4899.N1	23NOV2011 23:59:14	24NOV2011 01:38:28	0	0	0	0	0

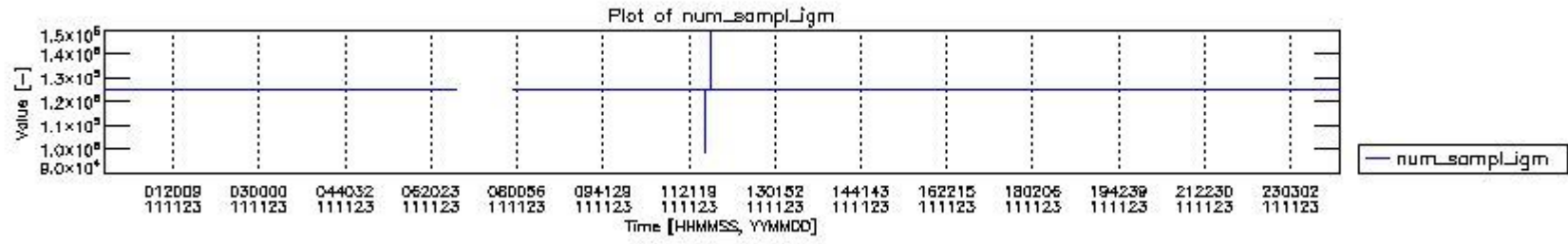
## 0.2 Instrument Operational Performance Parameters

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.

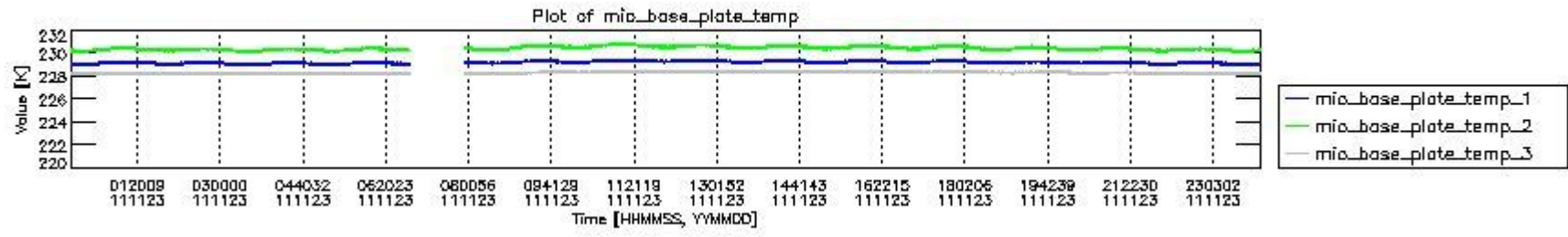
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98800	1	0.0025177501
101734	1	0.0025177501
121866	1	0.0025177501

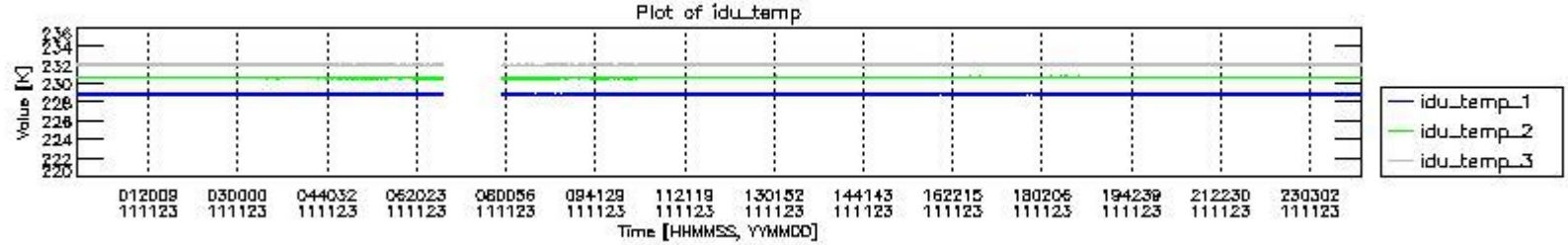
124800	36889	92.877285
124803	2823	7.1076086
126936	1	0.0025177501
147068	1	0.0025177501
149204	1	0.0025177501



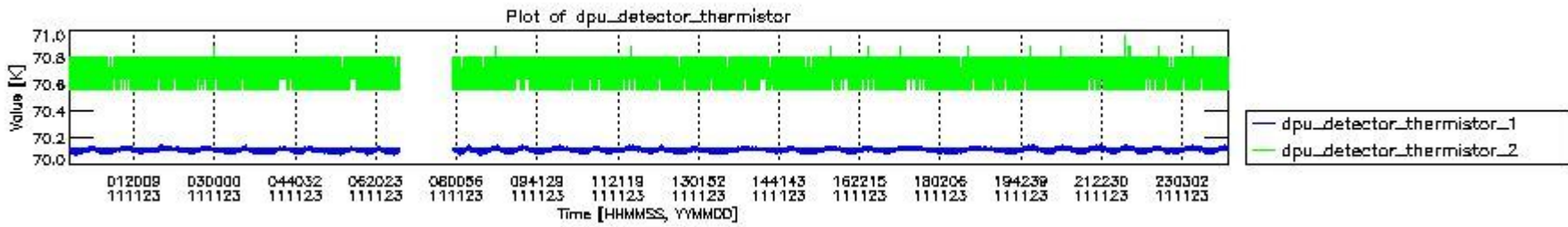
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111123\_0.PNG



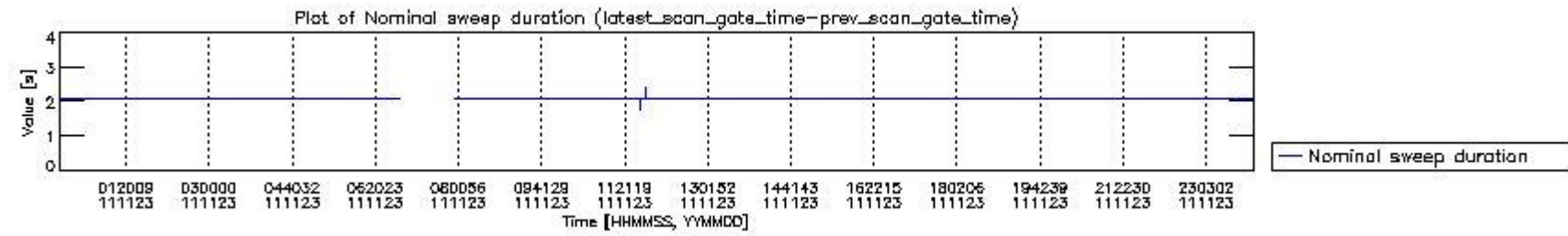
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111123\_1.PNG



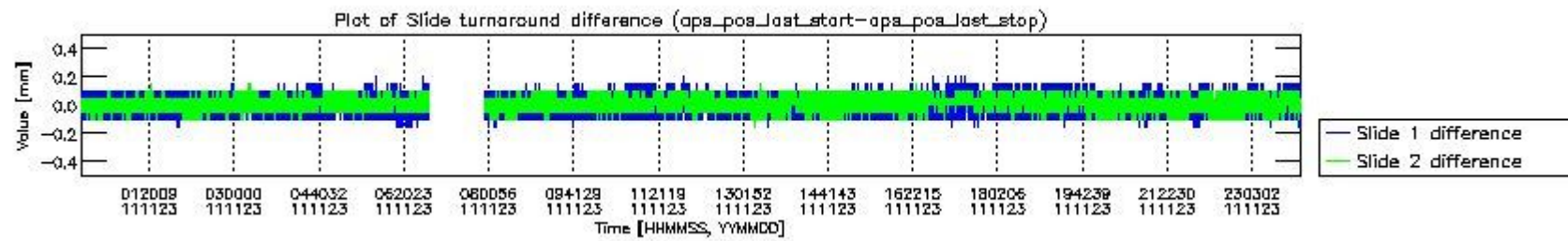
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111123\_2.PNG



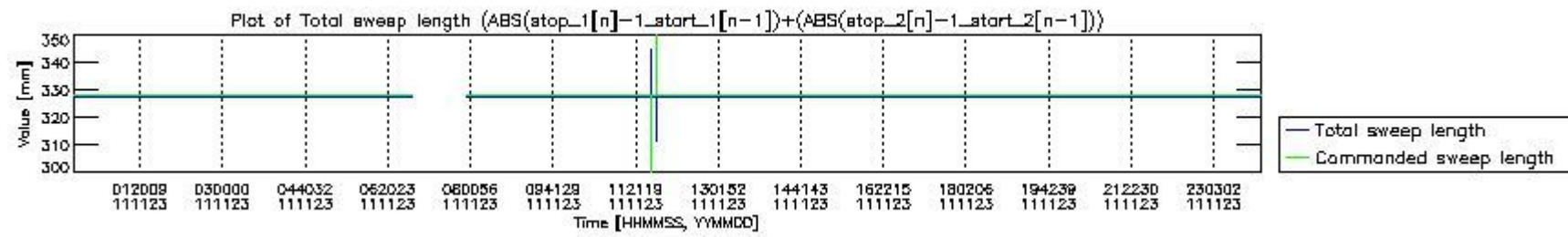
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111123\_3.PNG



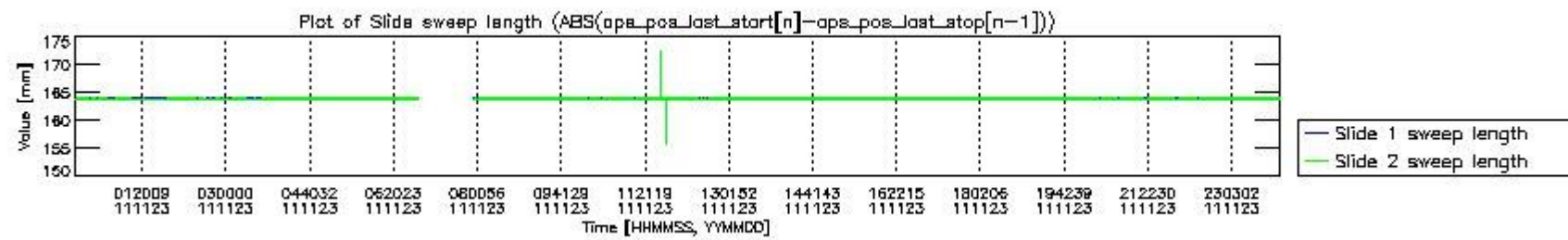
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111123\_4.PNG



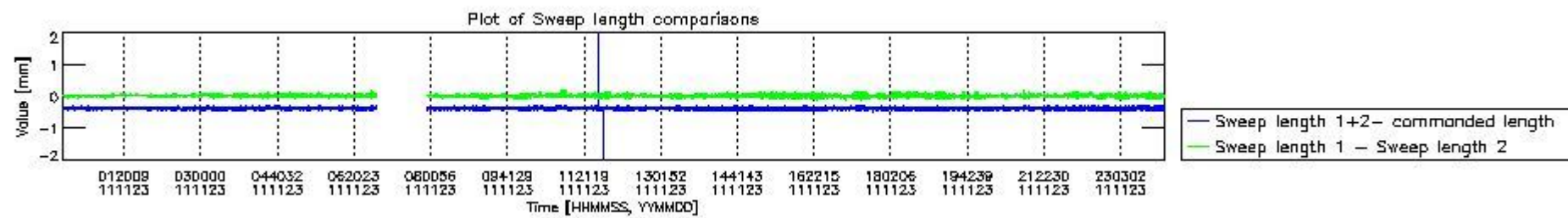
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111123\_5.PNG



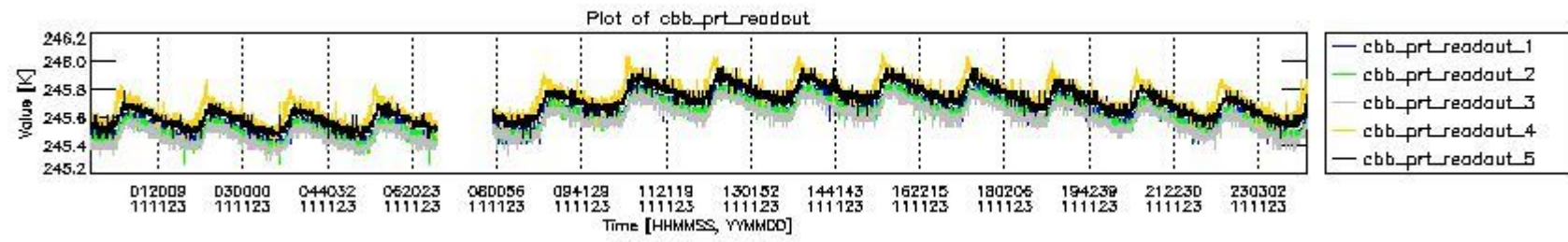
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111123\_6.PNG



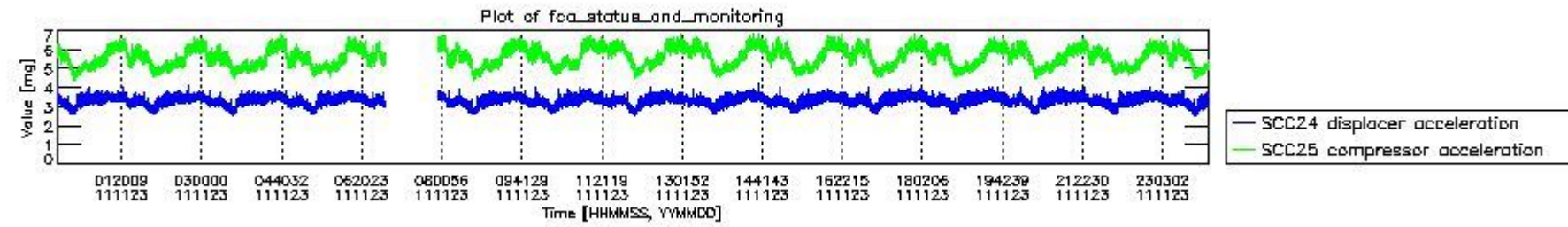
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111123\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111123\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111123\_9.PNG

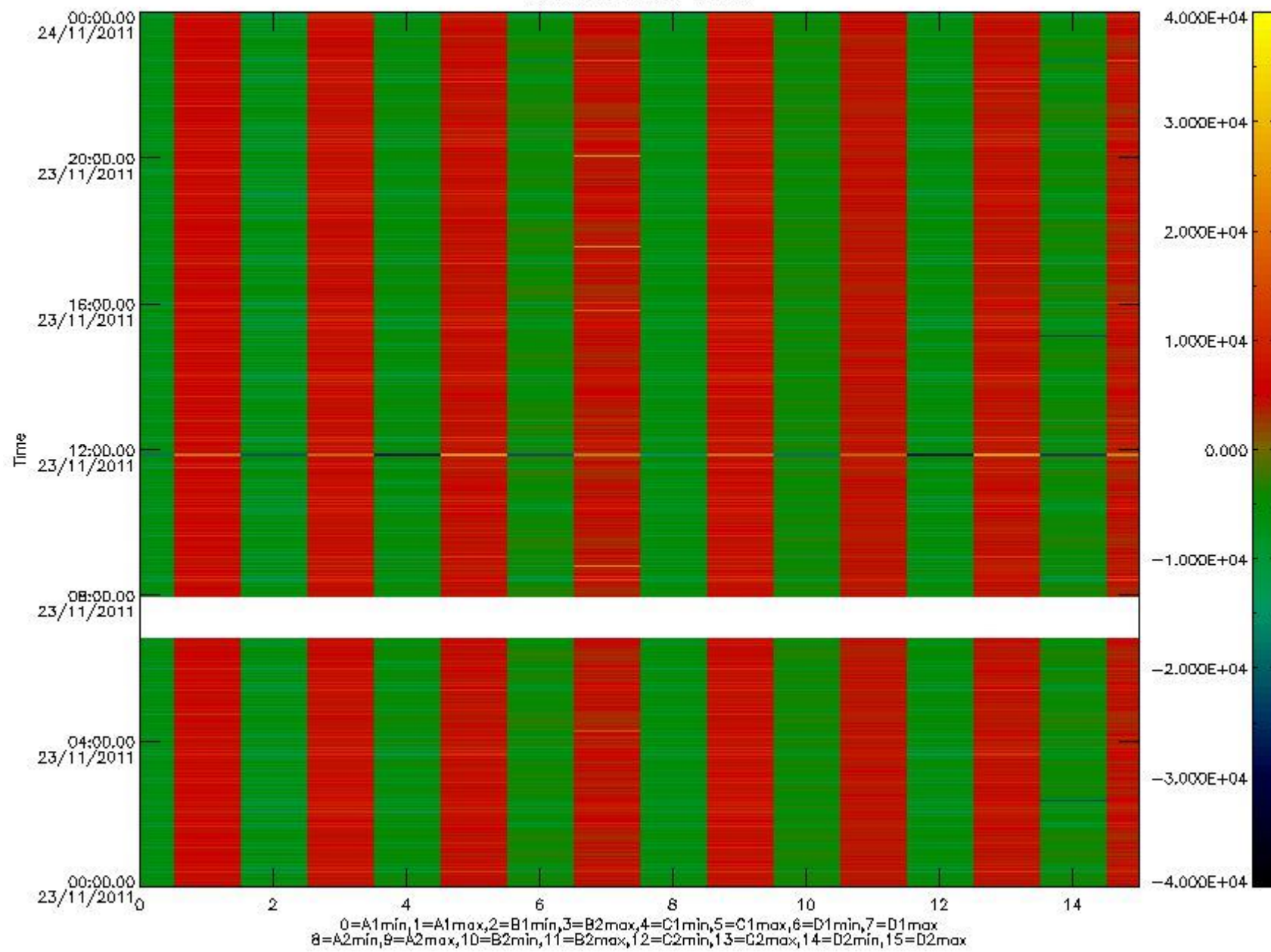


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111123\_10.PNG

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

Channel	Min	Max	ADC
A1	-18511	19642	16bit
B1	-21095	18079	16bit
C1	-25987	25871	16bit
D1	-32768	32767	16bit
A2	-16043	19848	16bit
B2	-19015	18619	16bit
C2	-27047	26621	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\_20111123\_11.PNG

### 0.3 ADF monitoring

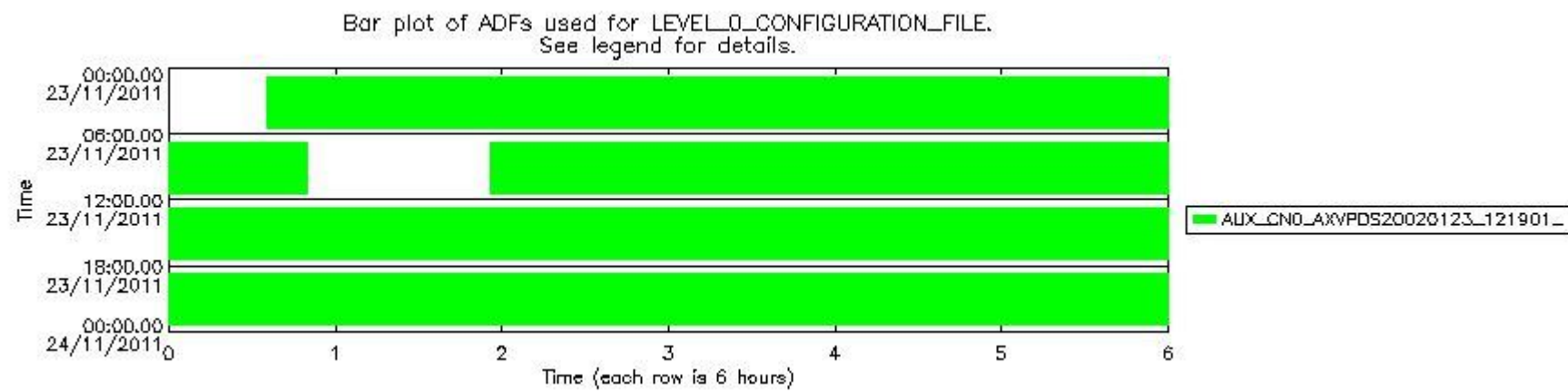
The use of ADFs is shown in two ways:

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.

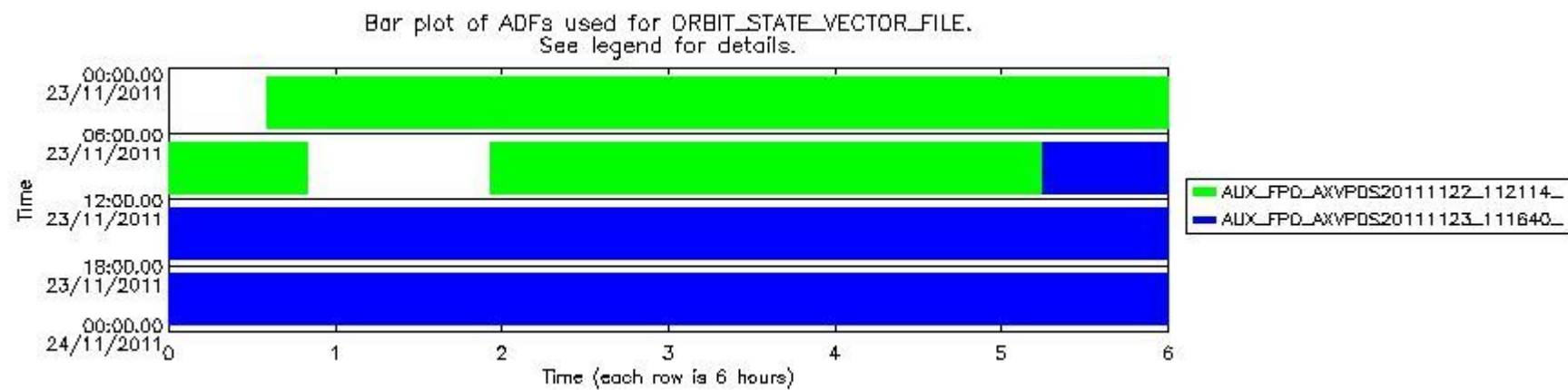
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111122_112114_20111121_184346_20111201_205728
2	AUX_FPO_AXVPDS20111123_111640_20111122_194715_20111202_202043

Number	Product name	#CN0	#FPO
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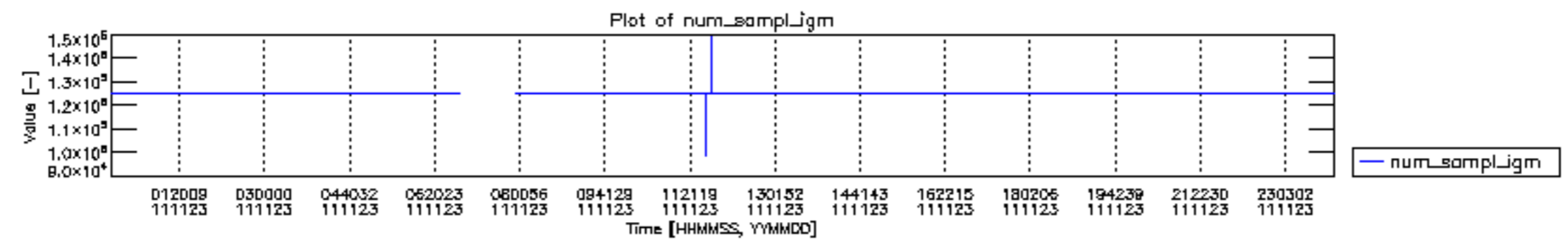
0	MIP_NL__0PNPDE20111123_003519_000058643109_00016_50892_4893.N1	0	1
1	MIP_NL__0PNPDE20111123_021205_000045373109_00017_50893_4894.N1	0	1
2	MIP_NL__0PNPDE20111123_032709_000061613109_00018_50894_4895.N1	0	1
3	MIP_NL__0PNPDE20111123_050916_000060353109_00019_50895_4896.N1	0	1
4	MIP_NL__0PNPDK20111123_075537_000061943109_00021_50897_7602.N1	0	1
5	MIP_NL__0PNPDK20111123_093713_000059473109_00022_50898_7603.N1	0	1
6	MIP_NL__0PNPDK20111123_111438_000060413109_00023_50899_7604.N1	0	2
7	MIP_NL__0PNPDK20111123_125421_000059773109_00024_50900_7605.N1	0	2
8	MIP_NL__0PNPDK20111123_143249_000060023109_00025_50901_7606.N1	0	2
9	MIP_NL__0PNPDK20111123_161215_000058543109_00026_50902_7607.N1	0	2
10	MIP_NL__0PNPDK20111123_174848_000059023109_00027_50903_7608.N1	0	2
11	MIP_NL__0PNPDK20111123_192502_000062343109_00028_50904_7609.N1	0	2
12	MIP_NL__0PNPDE20111123_210655_000043183109_00029_50905_4897.N1	0	2
13	MIP_NL__0PNPDE20111123_221755_000061463109_00029_50905_4898.N1	0	2
14	MIP_NL__0PNPDE20111123_235914_000059543109_00030_50906_4899.N1	0	2

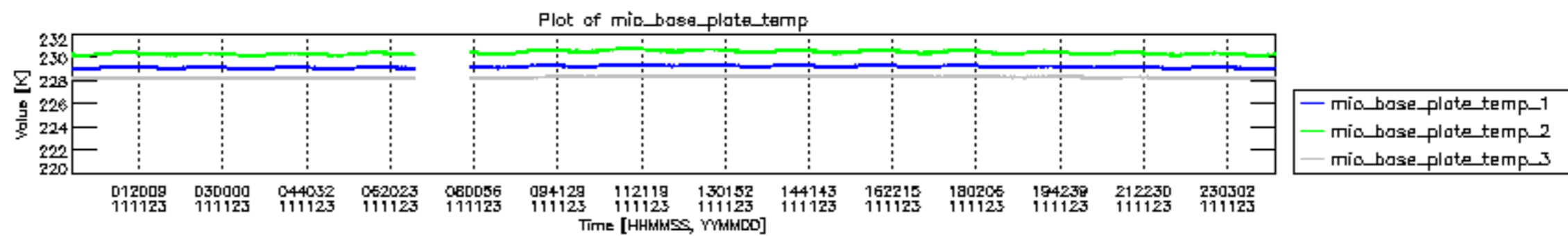


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111123\_12.PNG

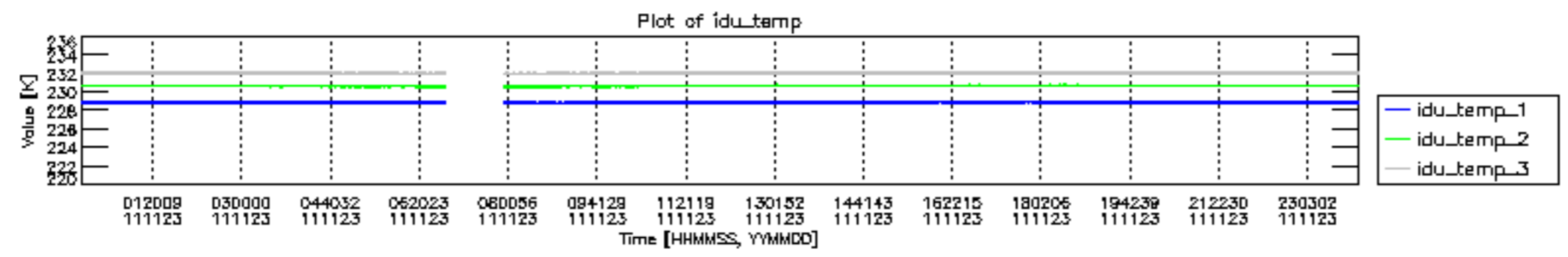


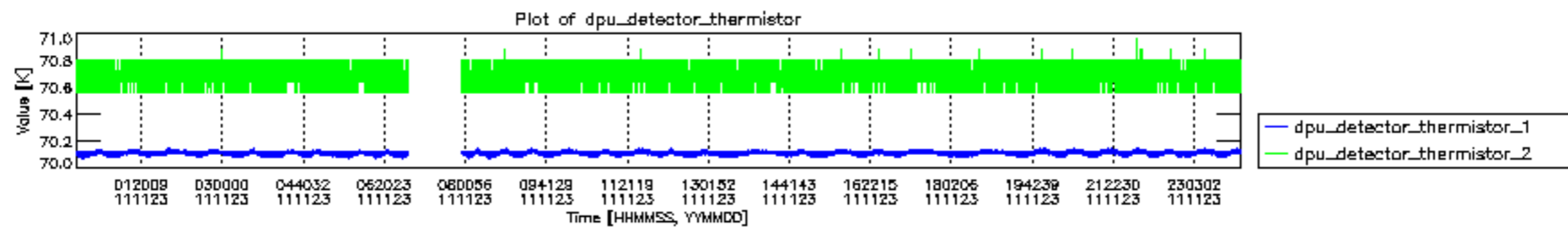
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111123\_13.PNG

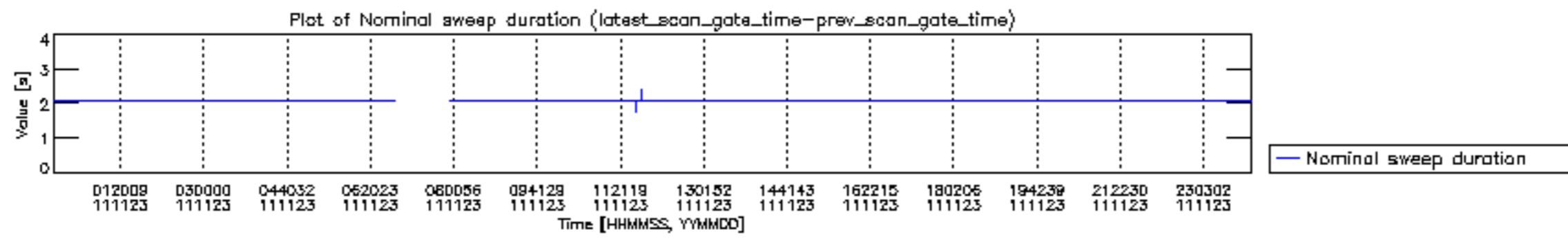


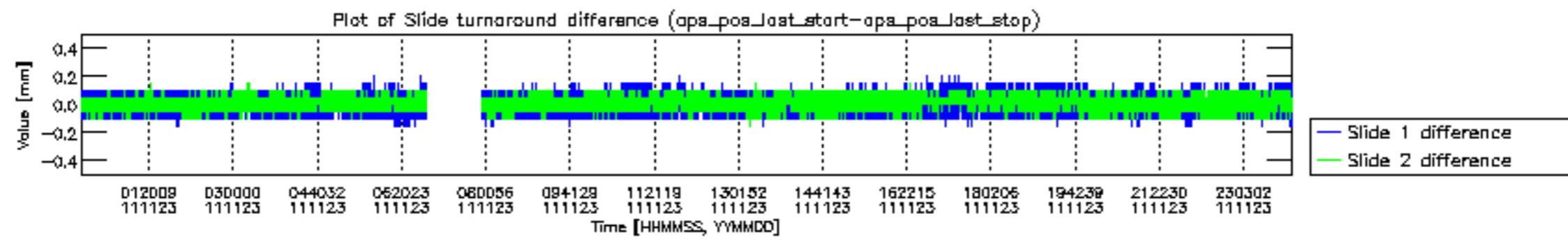


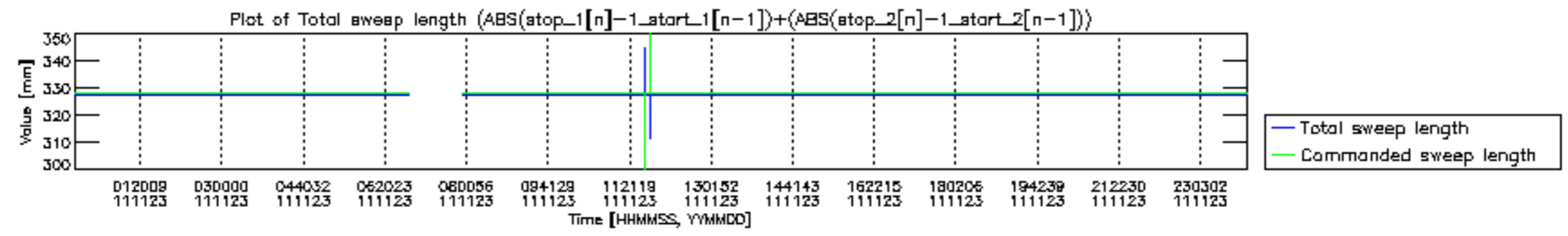


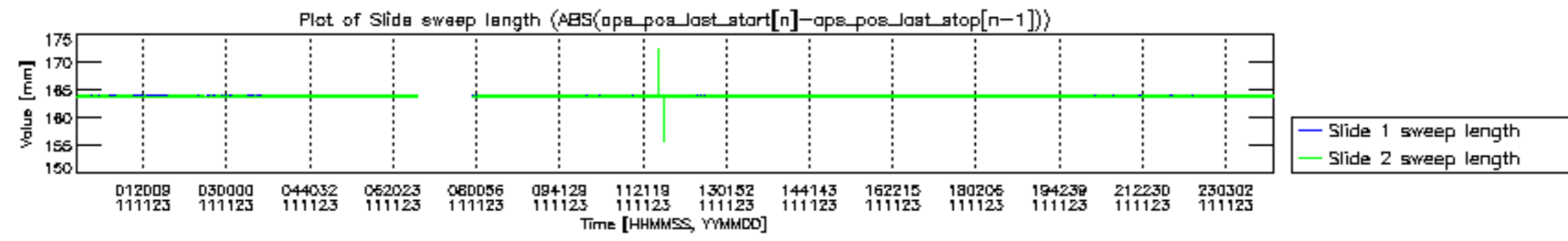


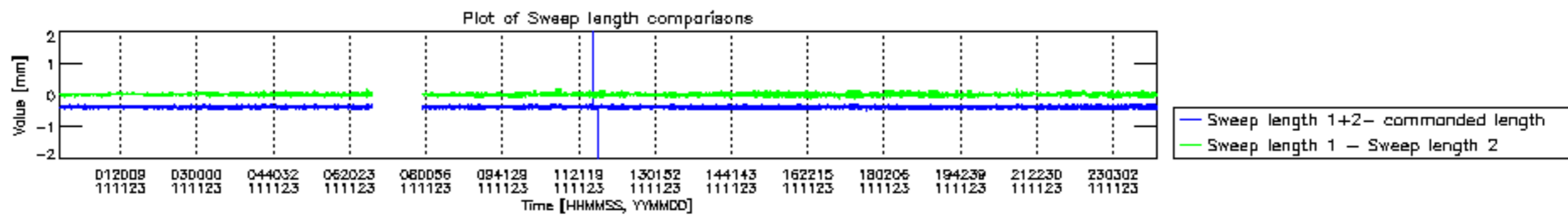


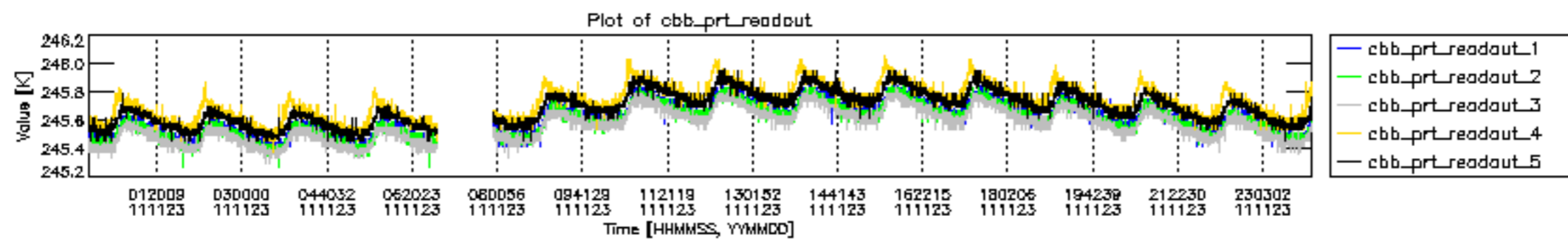




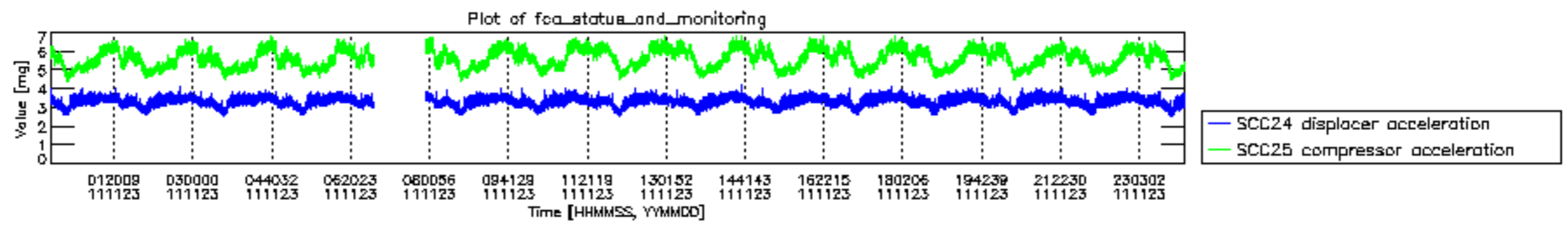












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

