

## 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	09FEB2011 05:21:44
Data source version	KSPT_L0/4504-N
Processing scope for products	04FEB2011 00:00:00 to 05FEB2011 00:00:00
Start time of first product within scope	04FEB2011 00:38:07
Stop time of last product within scope	05FEB2011 00:02:42
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__OPNPDE20110204_003807_000059123099_00131_46697_2850.N1	04FEB2011 00:38:07	04FEB2011 02:16:39	0	0	0	0	0
1	MIP_NL__OPNPDE20110204_021536_000044753099_00132_46698_2851.N1	04FEB2011 02:15:36	04FEB2011 03:30:11	0	0	0	0	0
2	MIP_NL__OPNPDE20110204_032937_000062133099_00133_46699_2852.N1	04FEB2011 03:29:37	04FEB2011 05:13:10	0	0	0	0	0
3	MIP_NL__OPNPDE20110204_051226_000060373099_00134_46700_2853.N1	04FEB2011 05:12:26	04FEB2011 06:53:04	0	0	0	0	0
4	MIP_NL__OPNPDK20110204_065222_000040493099_00135_46701_4202.N1	04FEB2011 06:52:22	04FEB2011 07:59:51	0	0	0	0	0
5	MIP_NL__OPNPDK20110204_075852_000060323099_00136_46702_4203.N1	04FEB2011 07:58:52	04FEB2011 09:39:24	0	0	0	0	0
6	MIP_NL__OPNPDK20110204_093754_000060193099_00137_46703_4204.N1	04FEB2011 09:37:54	04FEB2011 11:18:12	0	0	0	0	0
7	MIP_NL__OPNPDK20110204_111634_000062053099_00138_46704_4205.N1	04FEB2011 11:16:34	04FEB2011 12:59:59	0	0	0	0	0
8	MIP_NL__OPNPDK20110204_125823_000059233099_00139_46705_4206.N1	04FEB2011 12:58:23	04FEB2011 14:37:05	0	0	0	0	0
9	MIP_NL__OPNPDK20110204_143525_000058703099_00140_46706_4207.N1	04FEB2011 14:35:25	04FEB2011 16:13:15	0	0	0	0	0
10	MIP_NL__OPNPDK20110204_161234_000059603099_00141_46707_4208.N1	04FEB2011 16:12:34	04FEB2011 17:51:54	0	0	0	0	0
11	MIP_NL__OPNPDK20110204_175057_000060023099_00142_46708_4209.N1	04FEB2011 17:50:57	04FEB2011 19:30:59	0	0	0	0	0
12	MIP_NL__OPNPDK20110204_192952_000060193099_00143_46709_4210.N1	04FEB2011 19:29:52	04FEB2011 21:10:11	0	0	0	0	0
13	MIP_NL__OPNPDE20110204_210826_000042853099_00144_46710_2854.N1	04FEB2011 21:08:26	04FEB2011 22:19:51	0	0	0	0	0
14	MIP_NL__OPNPDE20110204_221848_000062343099_00144_46710_2855.N1	04FEB2011 22:18:48	05FEB2011 00:02:42	0	0	0	0	0

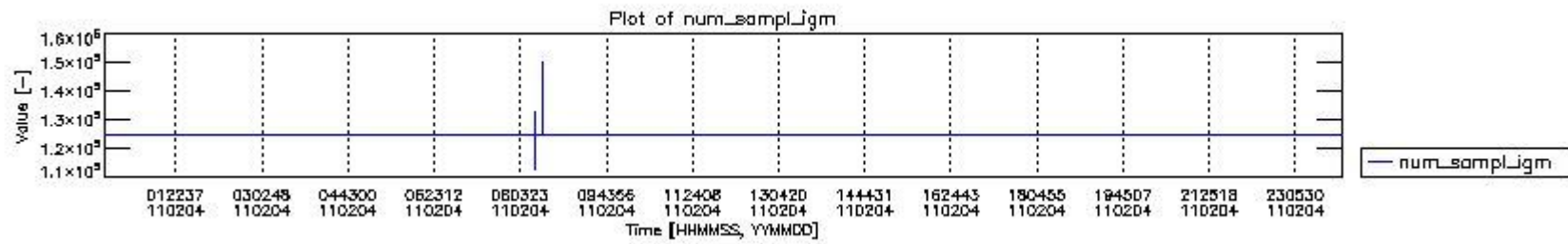
## 0.2 Instrument Operational Performance Parameters

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.

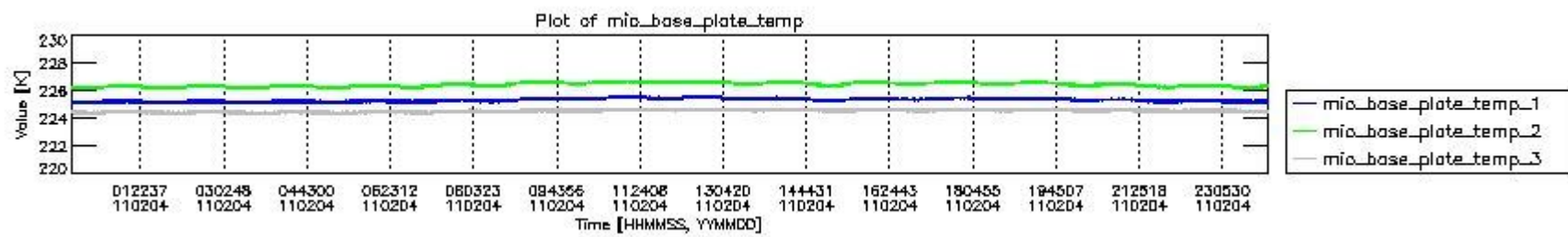
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
112514	1	0.0023979090
120360	1	0.0023979090
124800	38739	92.892598

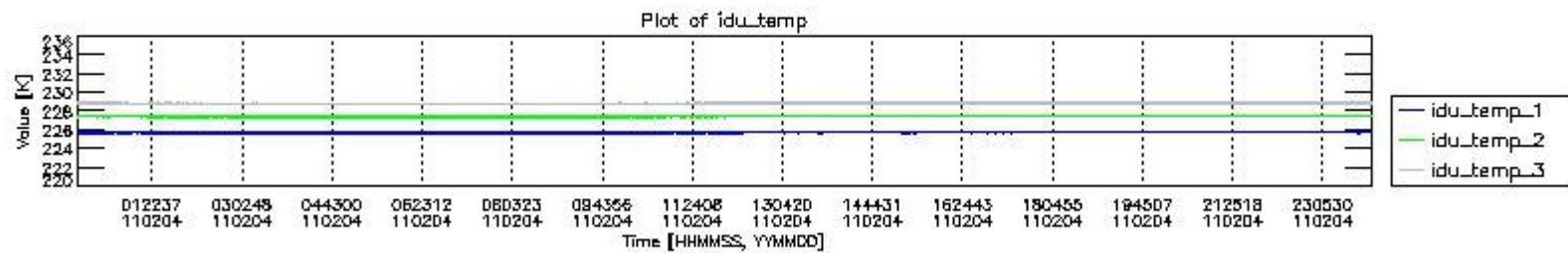
124803	2958	7.0930149
127456	1	0.0023979090
132646	1	0.0023979090
147588	1	0.0023979090
150244	1	0.0023979090



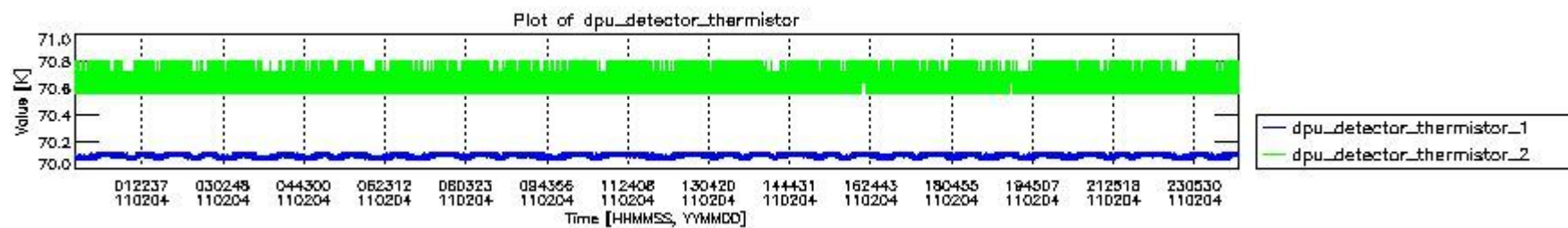
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110204\_0.PNG



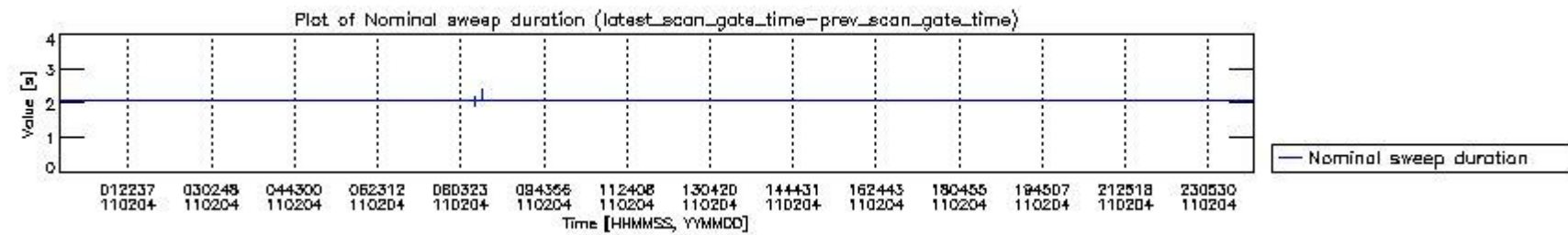
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110204\_1.PNG



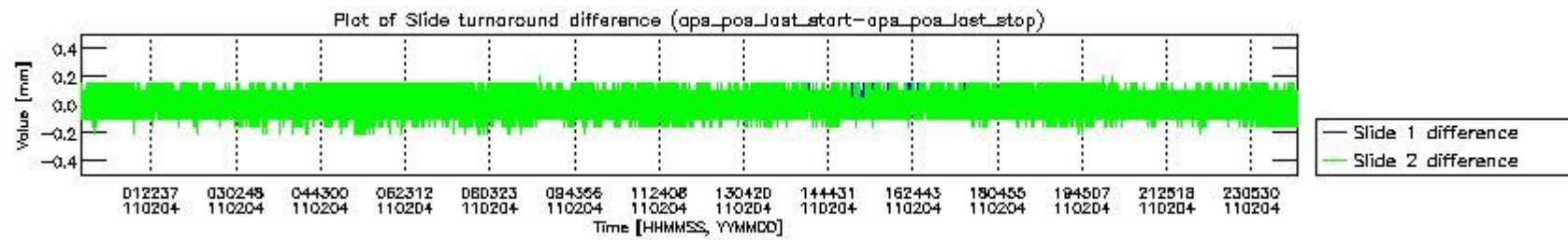
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110204\_2.PNG



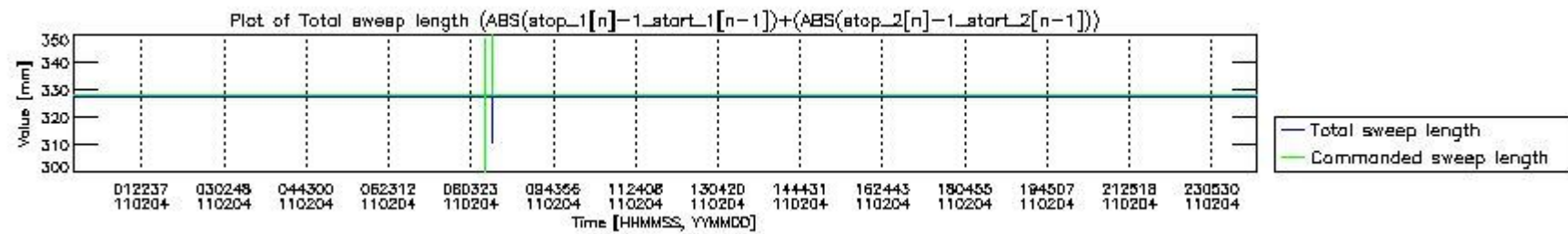
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110204\_3.PNG



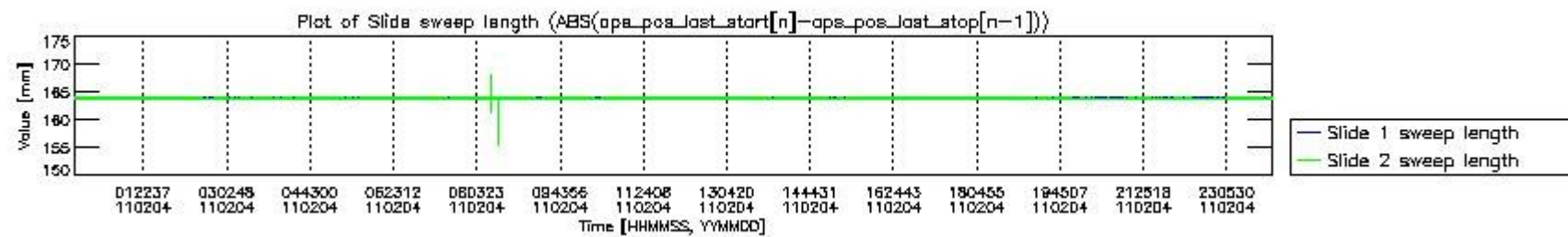
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110204\_4.PNG



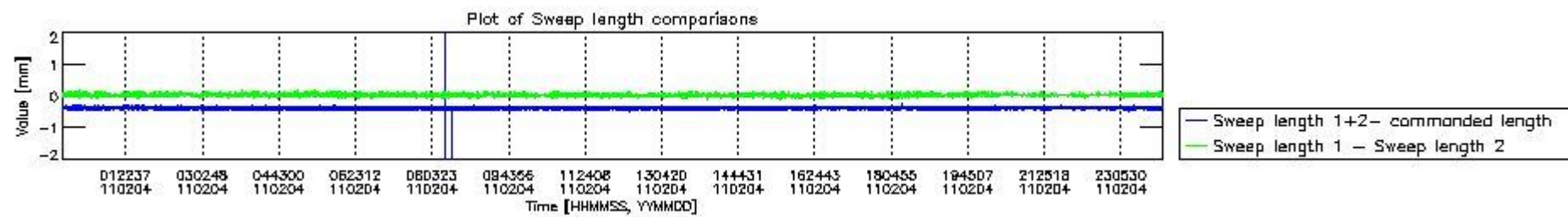
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110204\_5.PNG



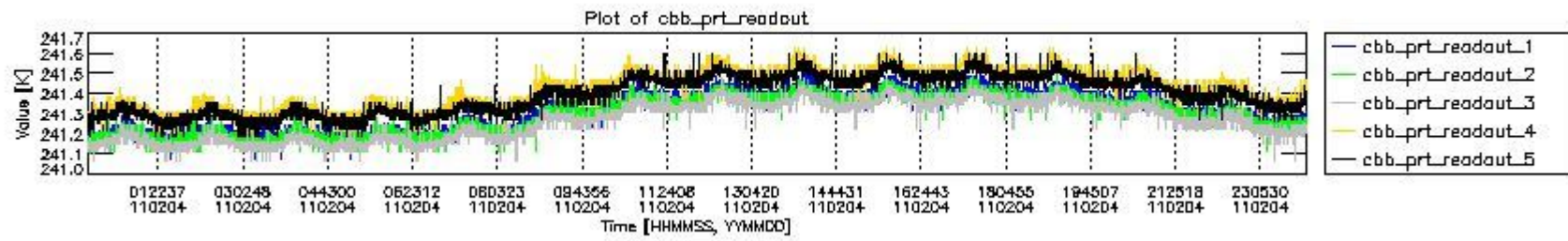
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110204\_6.PNG



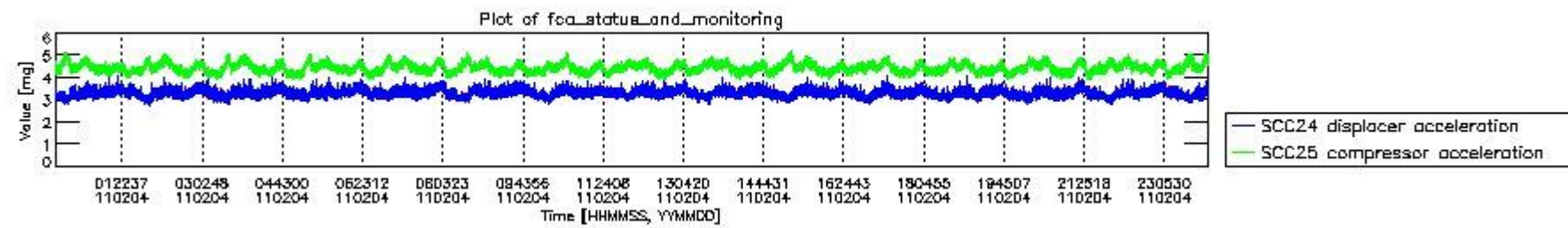
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110204\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110204\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110204\_9.PNG



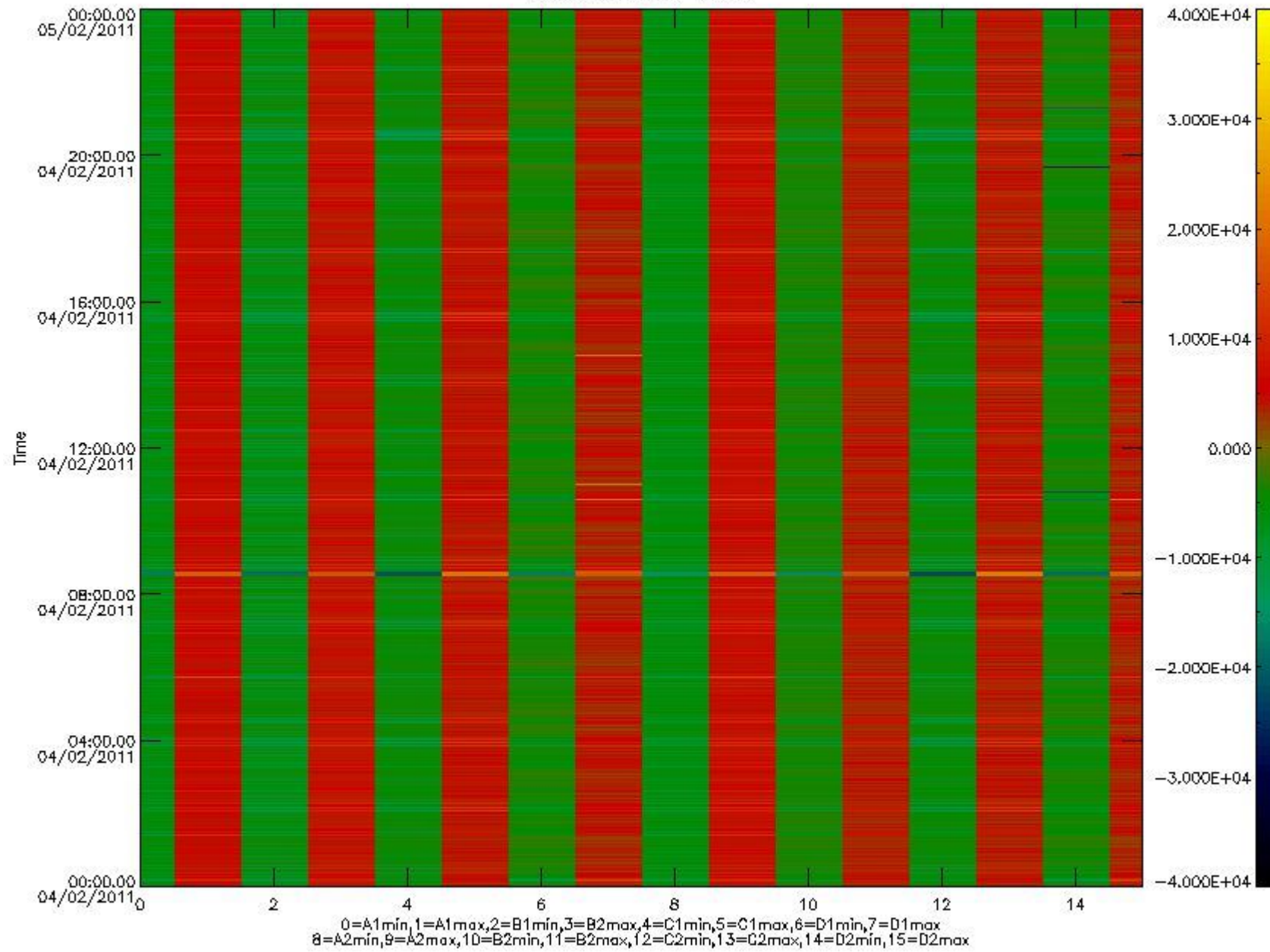
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110204\_10.PNG

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

Channel	Min	Max	ADC
A1	-17430	18435	16bit
B1	-18706	16287	16bit
C1	-25071	21535	16bit
D1	-30546	32767	16bit
A2	-15121	18540	16bit
B2	-16725	16445	16bit
C2	-22653	24364	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\_20110204\_11.PNG

### 0.3 ADF monitoring

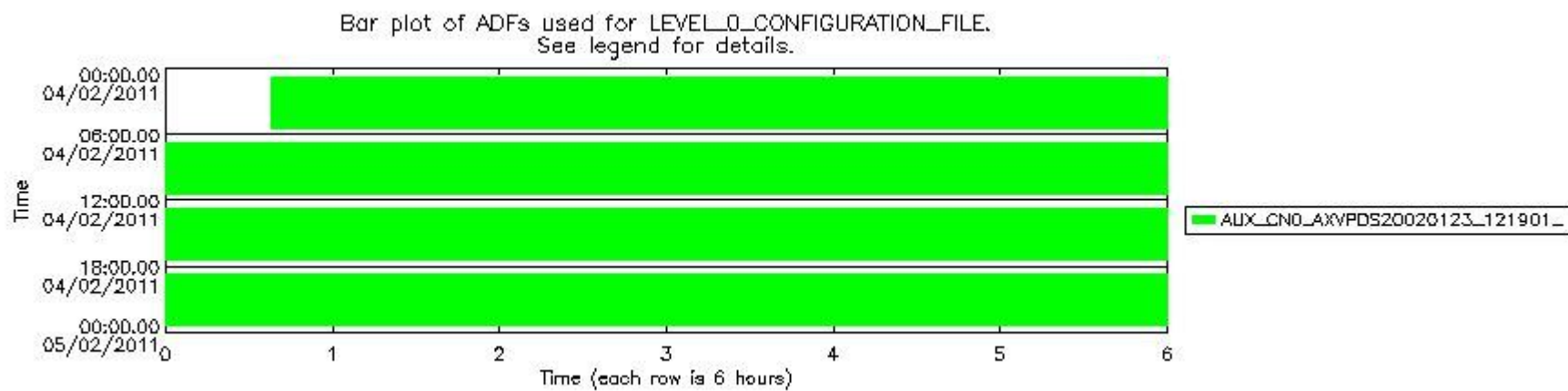
The use of ADFs is shown in two ways:

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.

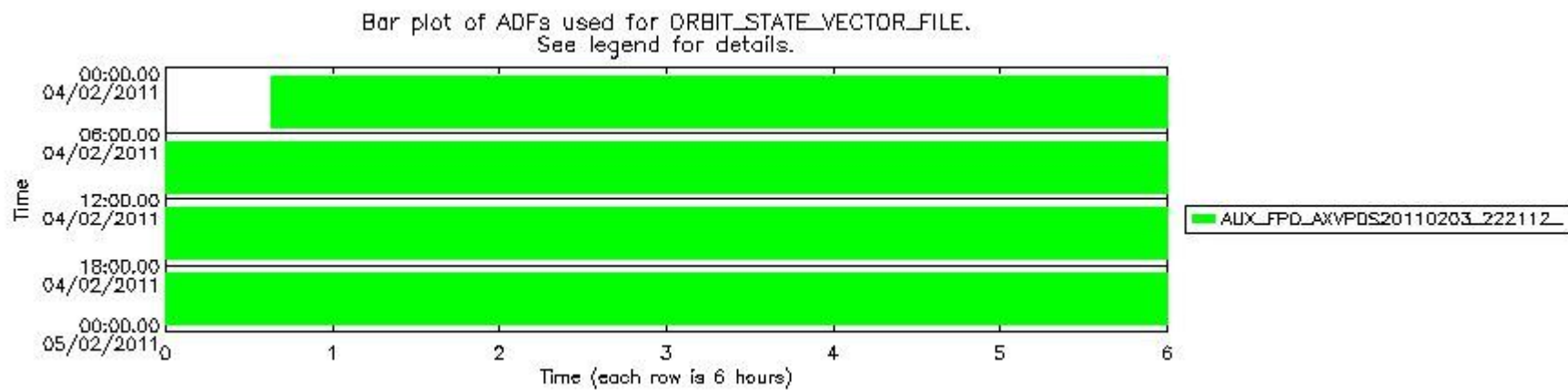
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110203_222112_20110203_194950_20110213_202327

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110204_003807_000059123099_00131_46697_2850.N1	0	1

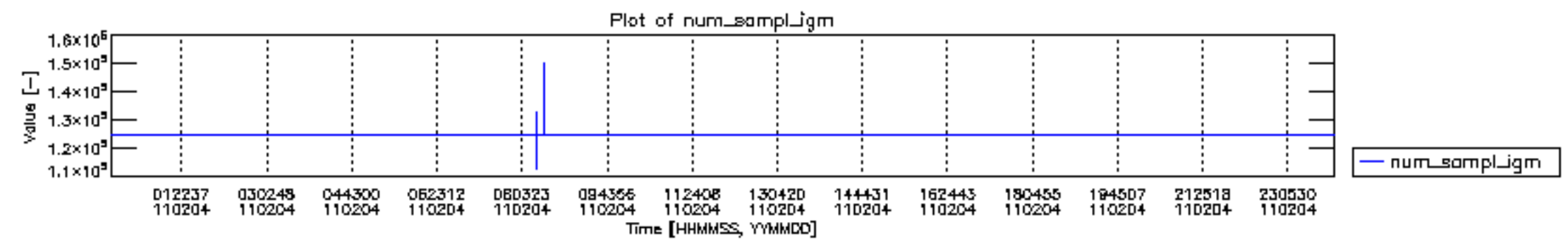
1	MIP_NL__0PNPDE20110204_021536_000044753099_00132_46698_2851.N1	0	1
2	MIP_NL__0PNPDE20110204_032937_000062133099_00133_46699_2852.N1	0	1
3	MIP_NL__0PNPDE20110204_051226_000060373099_00134_46700_2853.N1	0	1
4	MIP_NL__0PNPDK20110204_065222_000040493099_00135_46701_4202.N1	0	1
5	MIP_NL__0PNPDK20110204_075852_000060323099_00136_46702_4203.N1	0	1
6	MIP_NL__0PNPDK20110204_093754_000060193099_00137_46703_4204.N1	0	1
7	MIP_NL__0PNPDK20110204_111634_000062053099_00138_46704_4205.N1	0	1
8	MIP_NL__0PNPDK20110204_125823_000059233099_00139_46705_4206.N1	0	1
9	MIP_NL__0PNPDK20110204_143525_000058703099_00140_46706_4207.N1	0	1
10	MIP_NL__0PNPDK20110204_161234_000059603099_00141_46707_4208.N1	0	1
11	MIP_NL__0PNPDK20110204_175057_000060023099_00142_46708_4209.N1	0	1
12	MIP_NL__0PNPDK20110204_192952_000060193099_00143_46709_4210.N1	0	1
13	MIP_NL__0PNPDE20110204_210826_000042853099_00144_46710_2854.N1	0	1
14	MIP_NL__0PNPDE20110204_221848_000062343099_00144_46710_2855.N1	0	1

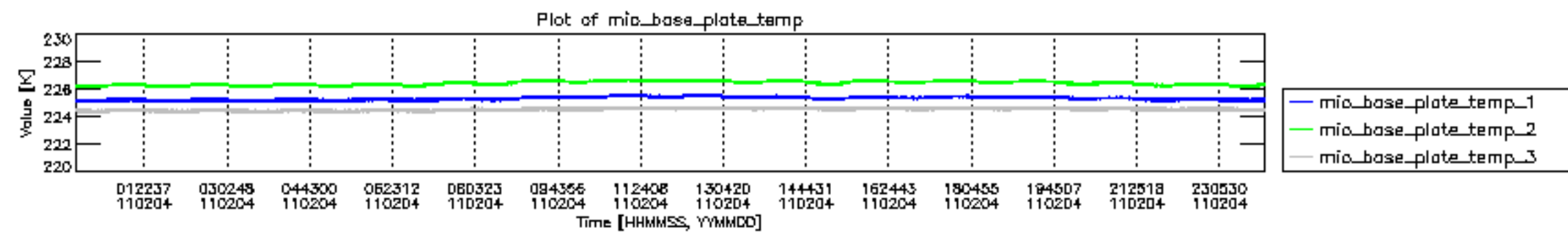


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110204\_12.PNG

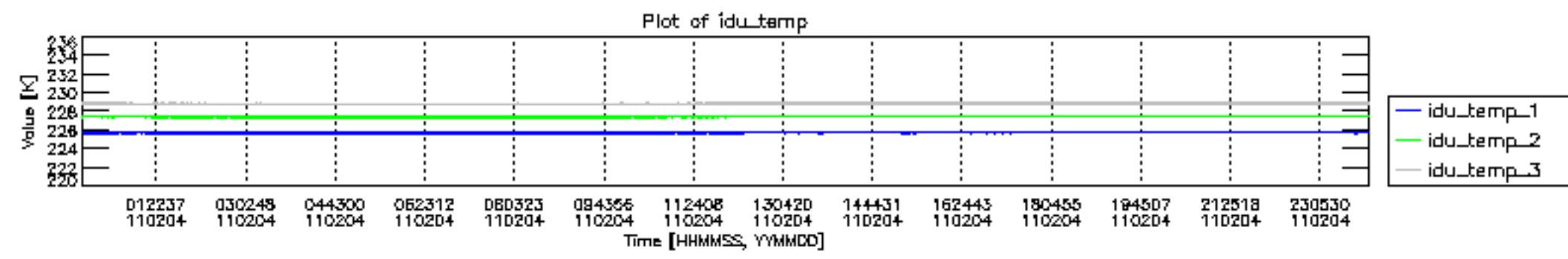


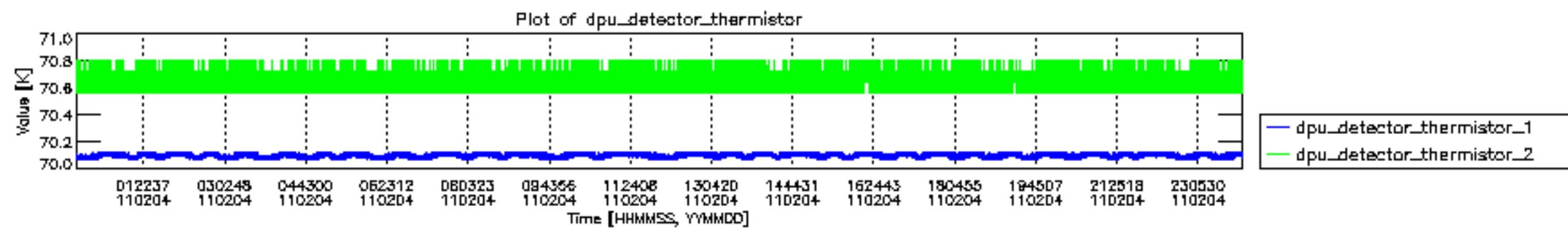
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110204\_13.PNG

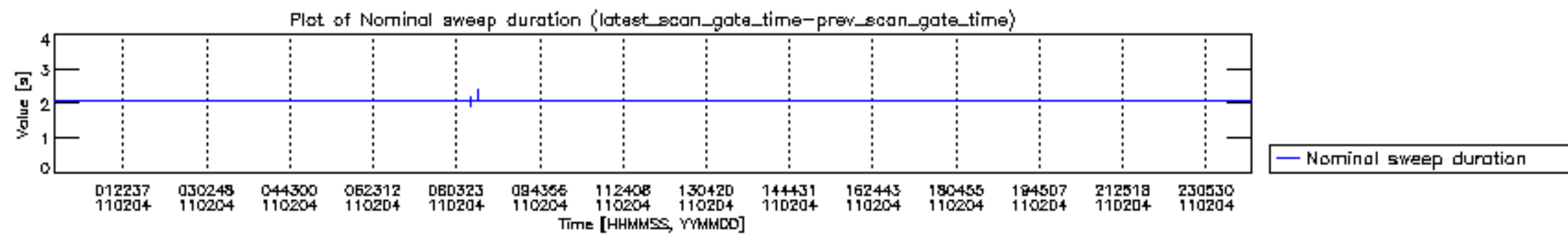


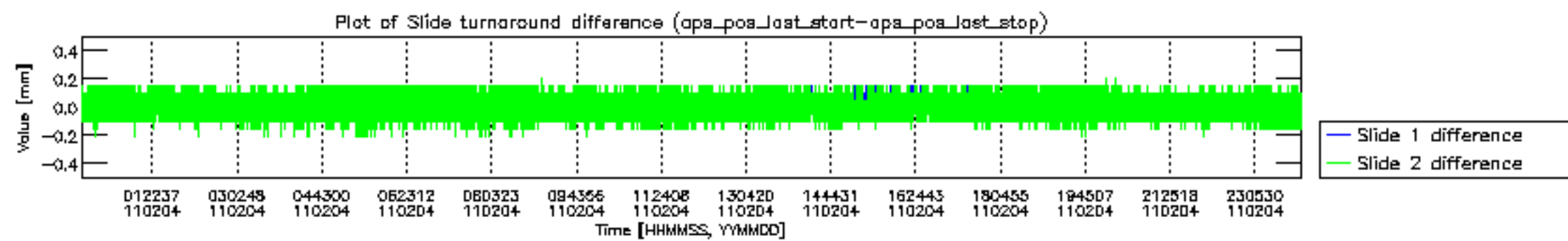


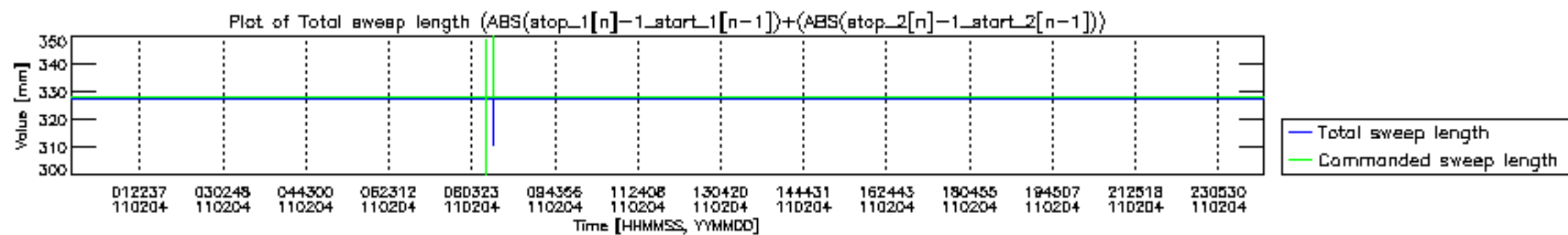




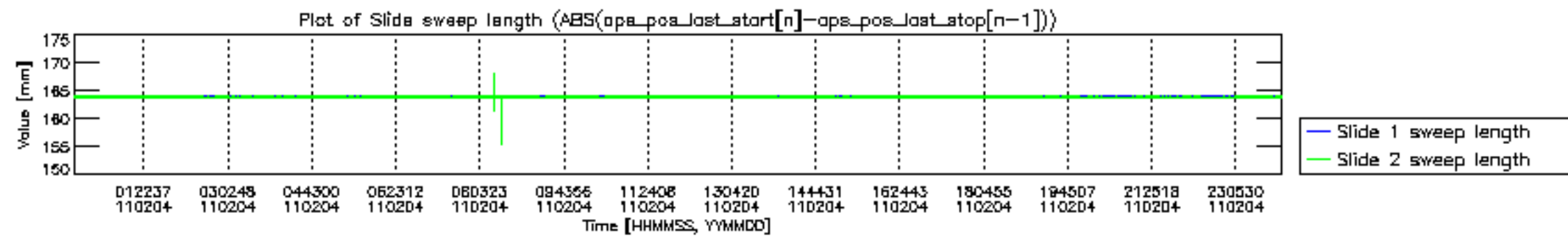


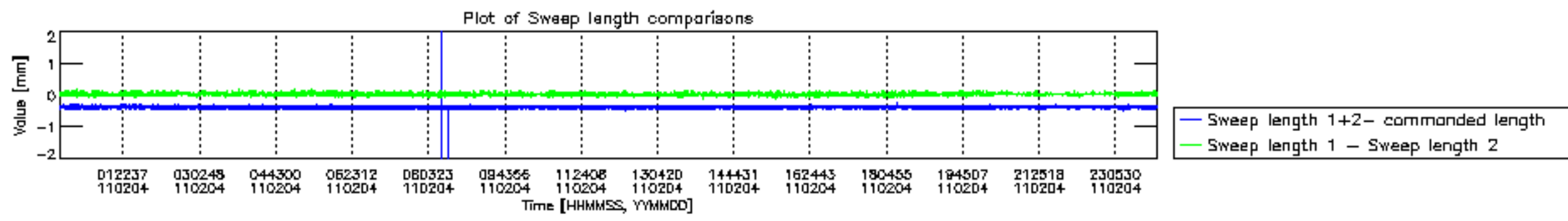


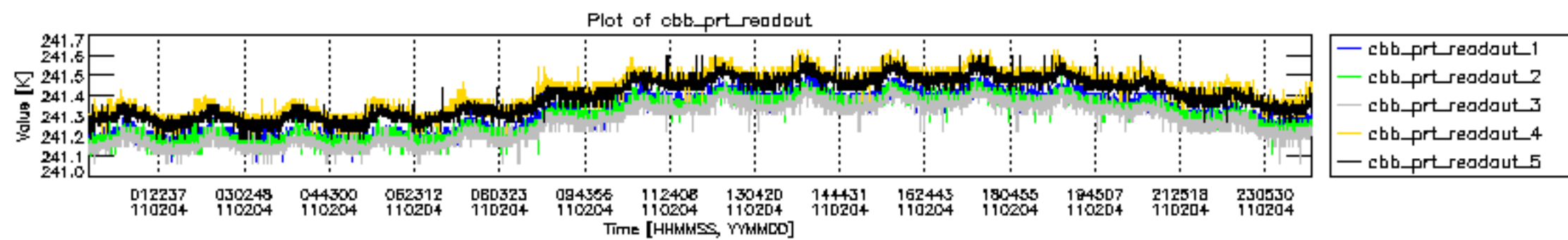


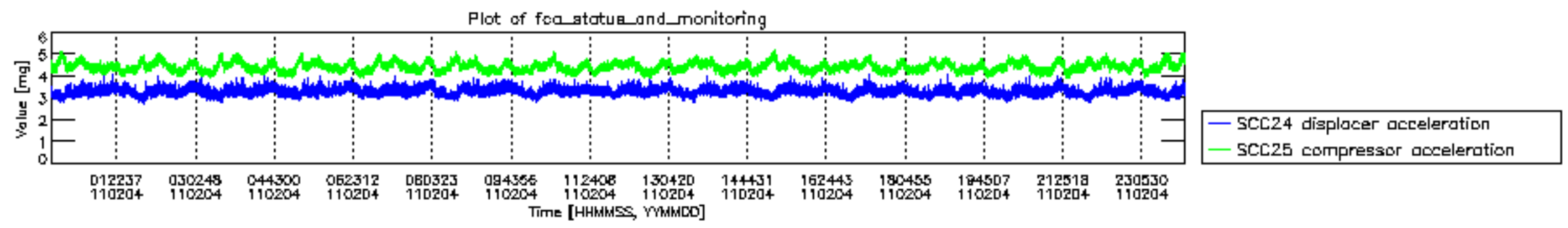












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

