

## 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	09JAN2011 05:23:41
Data source version	KSPT_L0/4504-N
Processing scope for products	04JAN2011 00:00:00 to 05JAN2011 00:00:00
Start time of first product within scope	04JAN2011 01:15:00
Stop time of last product within scope	05JAN2011 00:40:09
Total number of level 0 products	12
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__0PNPDE20110104_011500_000101973098_00117_46252_2647.N1	04JAN2011 01:15:00	04JAN2011 04:04:57	0	0	0	0	0
1	MIP_NL__0PNPDE20110104_040424_000062713098_00119_46254_2648.N1	04JAN2011 04:04:24	04JAN2011 05:48:55	0	0	0	0	0
2	MIP_NL__0PNPDE20110104_054821_000061583098_00120_46255_2649.N1	04JAN2011 05:48:21	04JAN2011 07:31:00	0	0	0	0	0
3	MIP_NL__0PNPDK20110104_073016_000038673098_00121_46256_3890.N1	04JAN2011 07:30:16	04JAN2011 08:34:43	0	0	0	0	0
4	MIP_NL__0PNPDK20110104_083348_000060873098_00122_46257_3891.N1	04JAN2011 08:33:48	04JAN2011 10:15:16	0	0	0	0	0
5	MIP_NL__0PNPDK20110104_101340_000061313098_00123_46258_3892.N1	04JAN2011 10:13:40	04JAN2011 11:55:51	0	0	0	0	0
6	MIP_NL__0PNPDK20110104_115427_000059683098_00124_46259_3893.N1	04JAN2011 11:54:27	04JAN2011 13:33:56	0	0	0	0	0
7	MIP_NL__0PNPDK20110104_164743_000060063098_00127_46262_3896.N1	04JAN2011 16:47:43	04JAN2011 18:27:49	0	0	0	0	0
8	MIP_NL__0PNPDK20110104_182649_000059983098_00128_46263_3897.N1	04JAN2011 18:26:49	04JAN2011 20:06:46	0	0	0	0	0
9	MIP_NL__0PNPDE20110104_200441_000042663098_00129_46264_2650.N1	04JAN2011 20:04:41	04JAN2011 21:15:47	0	0	0	0	0
10	MIP_NL__0PNPDE20110104_211404_000062753098_00129_46264_2651.N1	04JAN2011 21:14:04	04JAN2011 22:58:40	0	0	0	0	0
11	MIP_NL__0PNPDE20110104_225657_000061923098_00130_46265_2652.N1	04JAN2011 22:56:57	05JAN2011 00:40:09	0	0	0	0	0

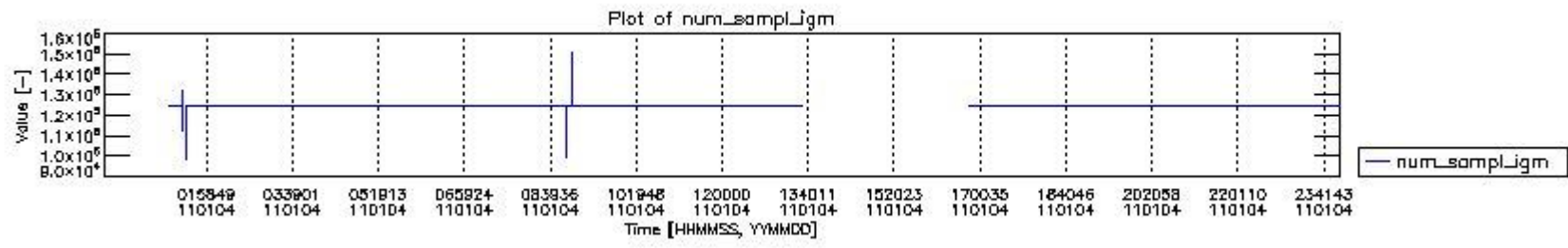
## 0.2 Instrument Operational Performance Parameters

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.

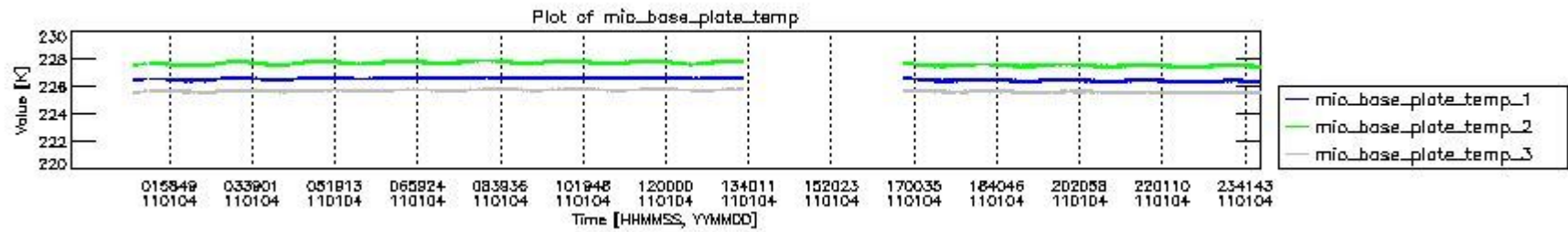
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98699	1	0.0029569177
98950	1	0.0029569177
101809	1	0.0029569177
111993	1	0.0029569177
119318	1	0.0029569177
121941	1	0.0029569177

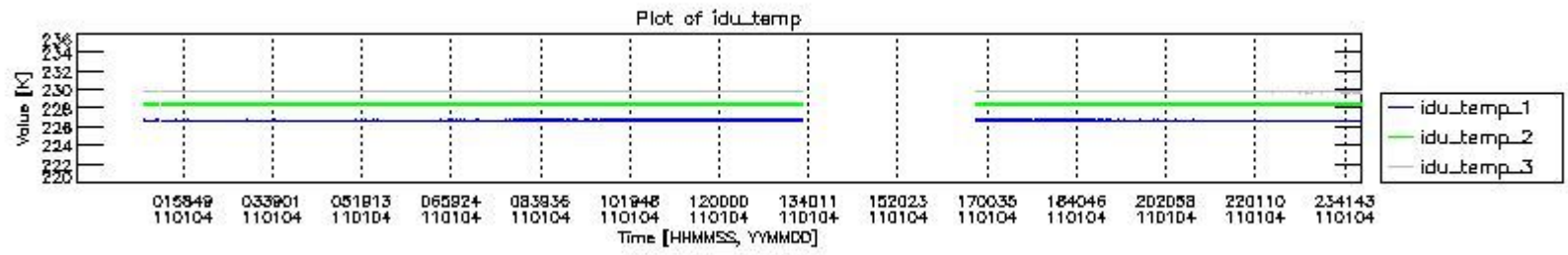
123102	1	0.0029569177
123951	1	0.0029569177
124800	31887	94.287235
124803	1920	5.6772820
127679	1	0.0029569177
132125	1	0.0029569177
147811	1	0.0029569177
150690	1	0.0029569177



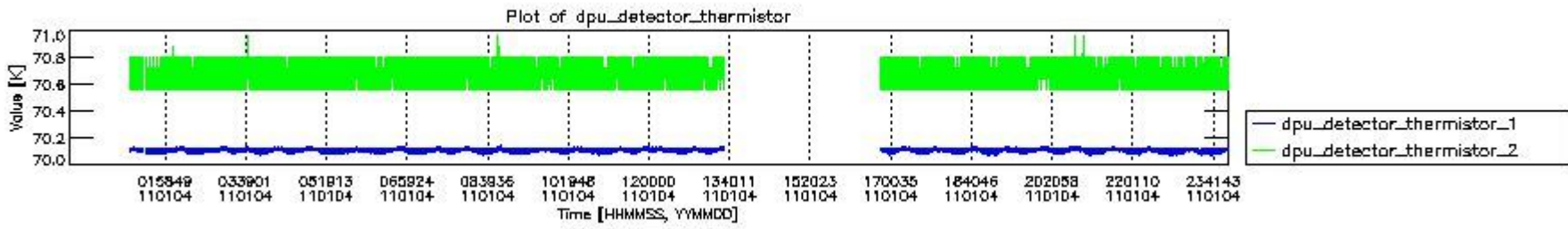
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110104\_0.PNG



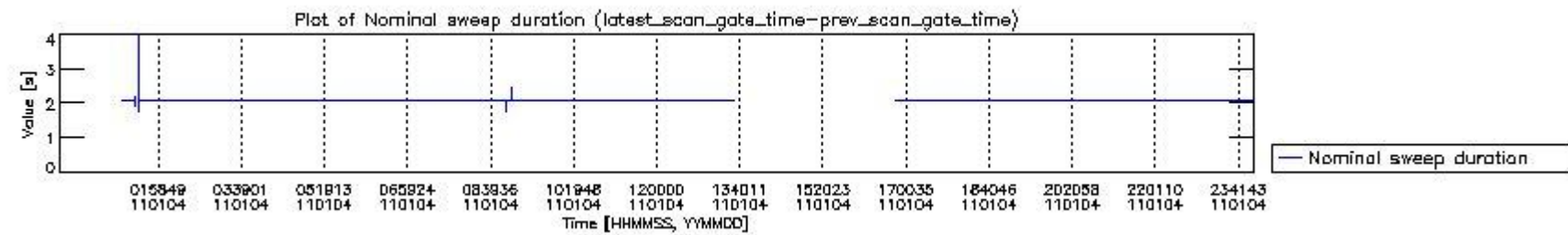
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110104\_1.PNG



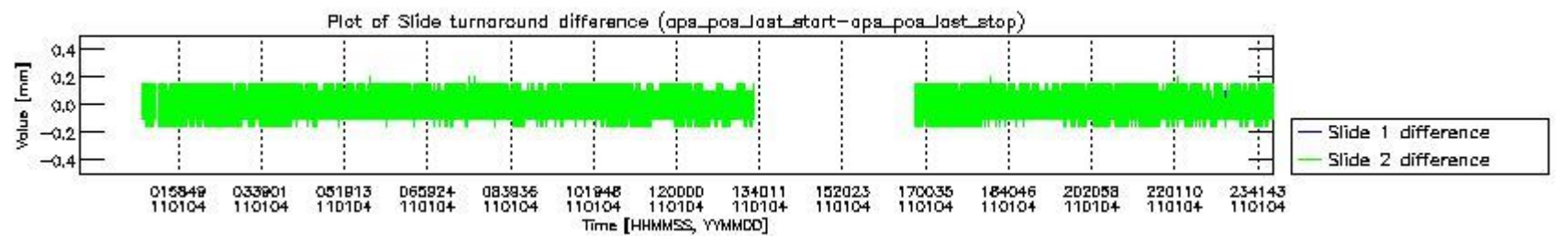
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110104\_2.PNG



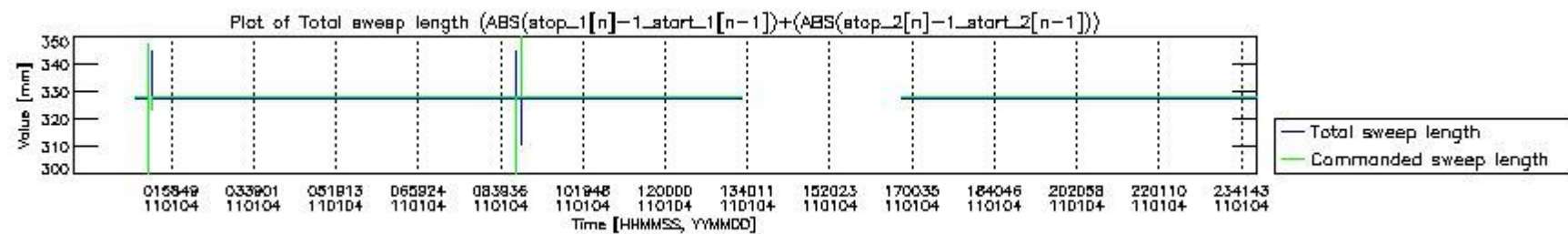
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110104\_3.PNG



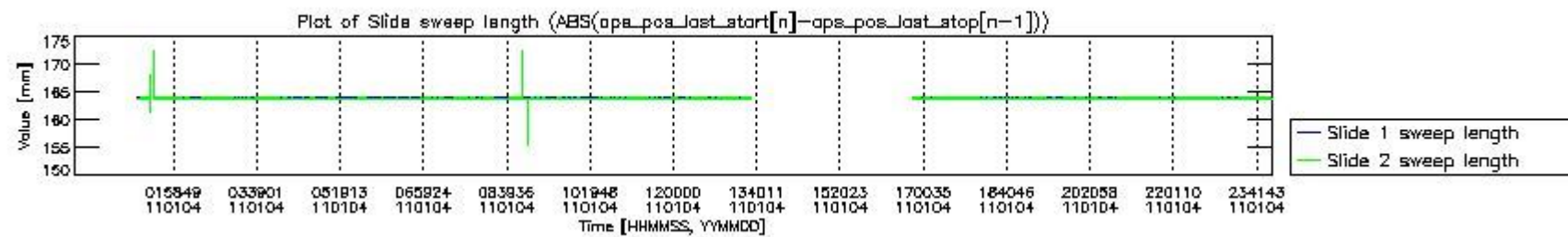
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110104\_4.PNG



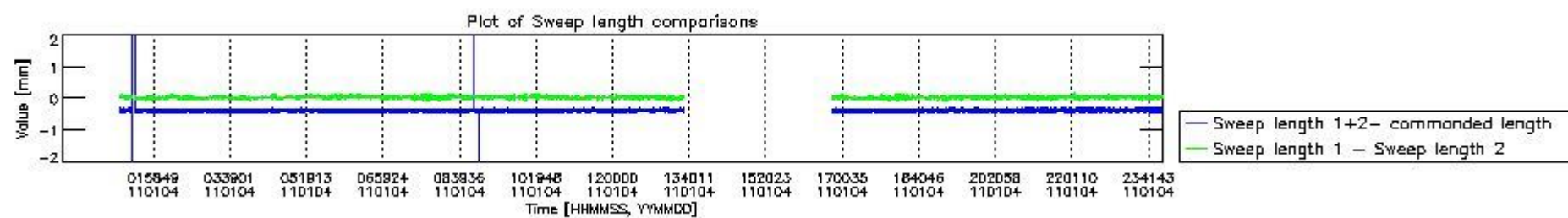
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110104\_5.PNG



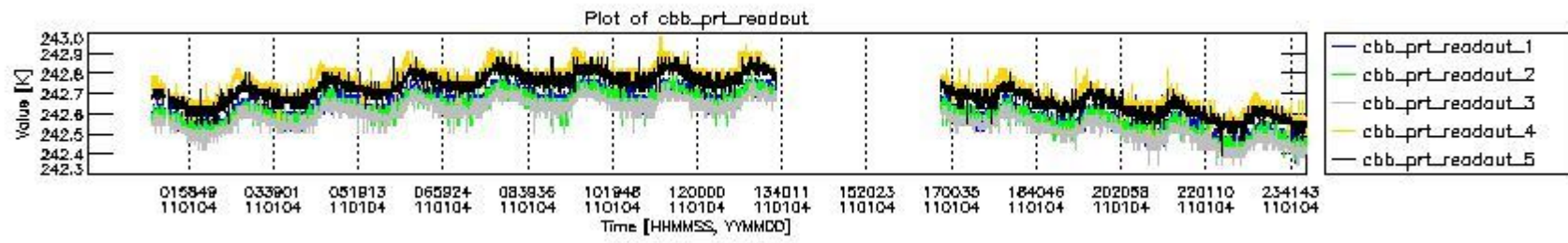
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110104\_6.PNG



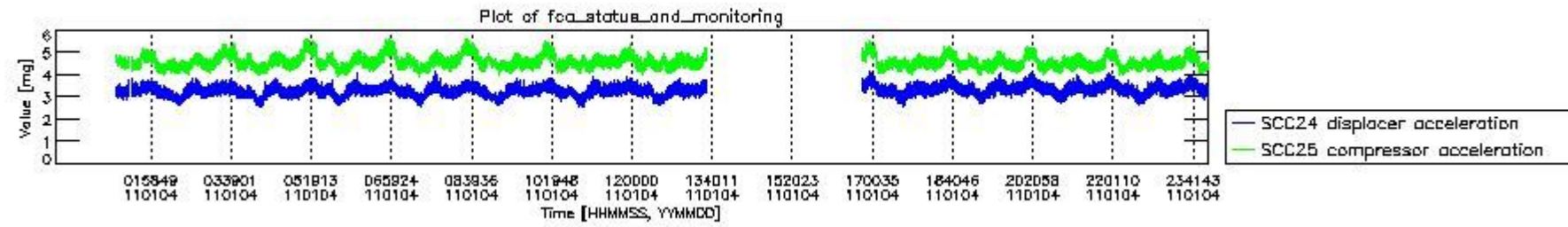
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110104\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110104\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110104\_9.PNG

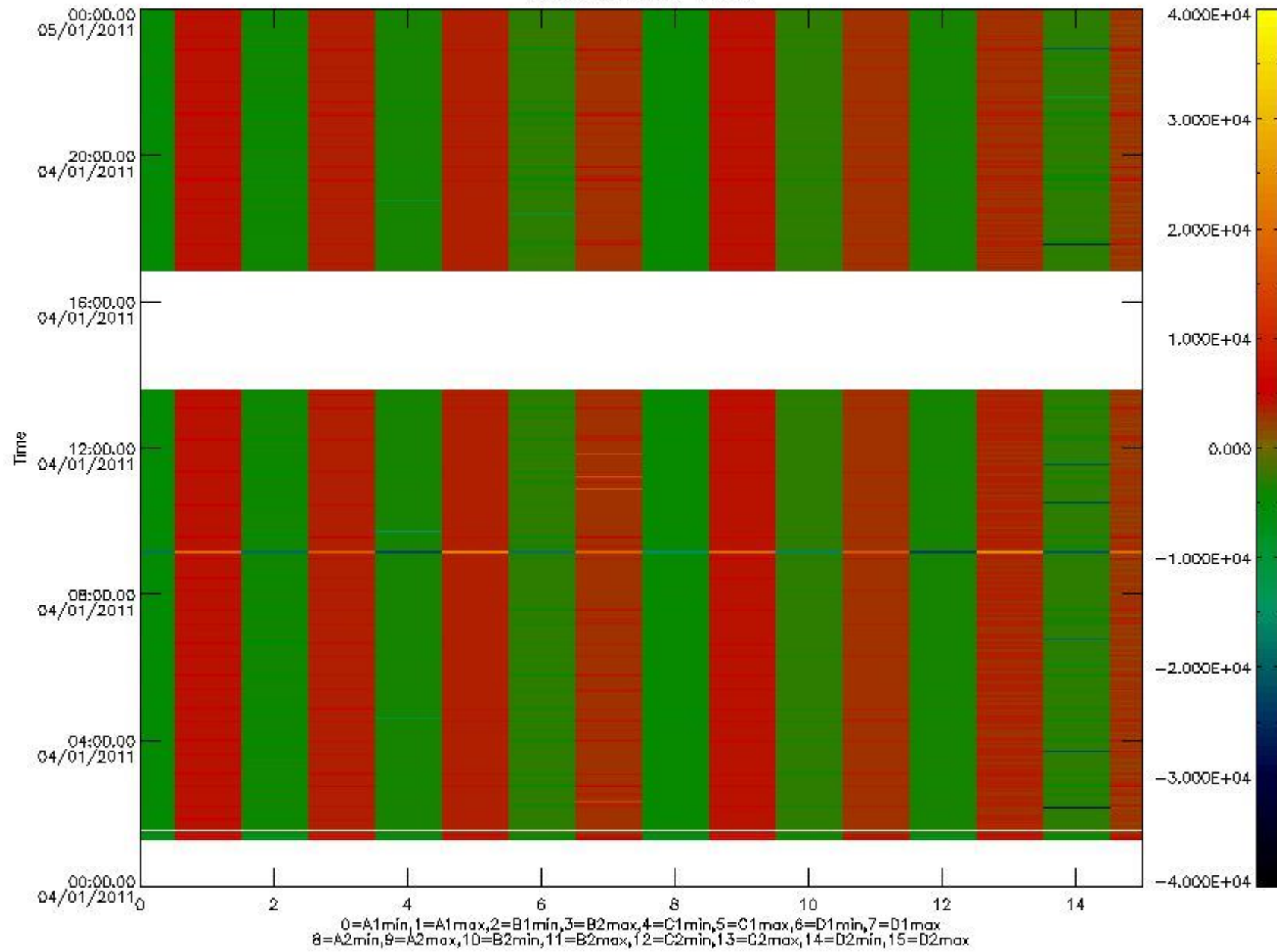


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110104\_10.PNG

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

Channel	Min	Max	ADC
A1	-17912	18973	16bit
B1	-19460	16859	16bit
C1	-23101	22991	16bit
D1	-19075	32767	16bit
A2	-15502	19094	16bit
B2	-17540	17225	16bit
C2	-24029	23646	16bit
D2	-32768	20739	16bit

MIPNL0P\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
Colour indicates value.



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110104\_11.PNG

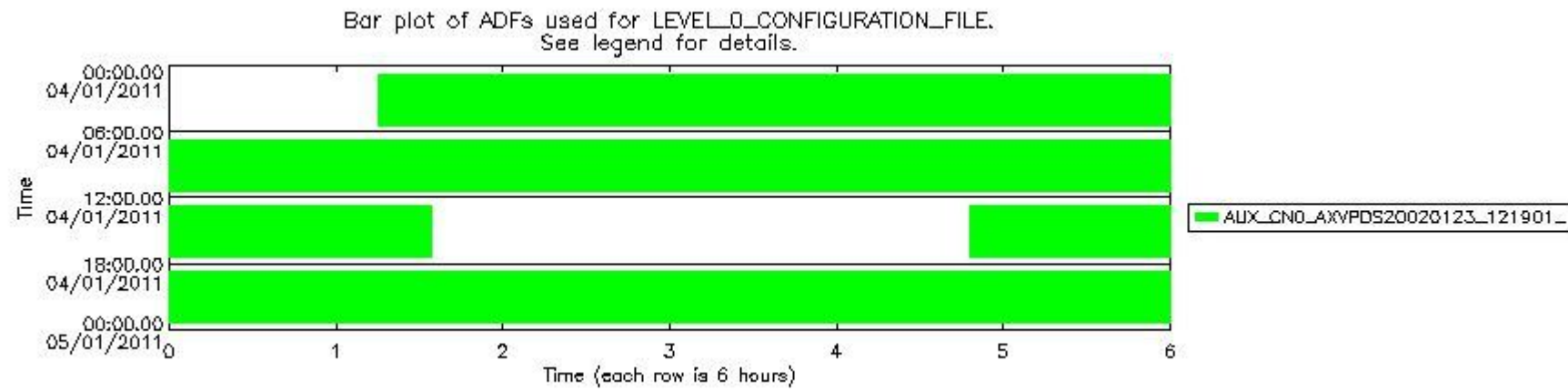
### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

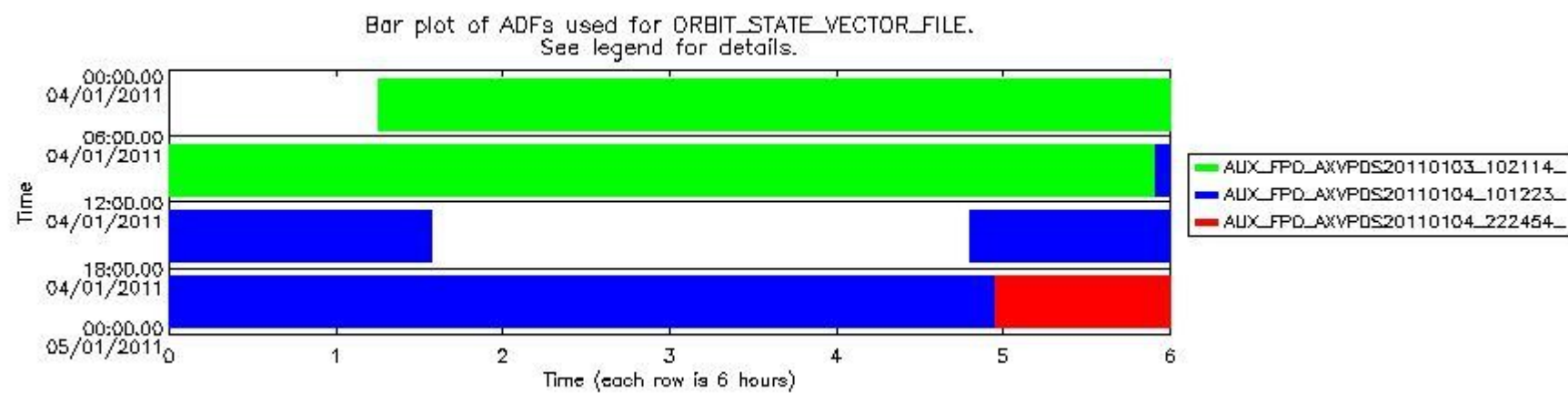
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110103_102114_20110102_192223_20110112_213615
2	AUX_FPO_AXVPDS20110104_101223_20110103_184539_20110113_205932
3	AUX_FPO_AXVPDS20110104_222454_20110104_194910_20110114_202248

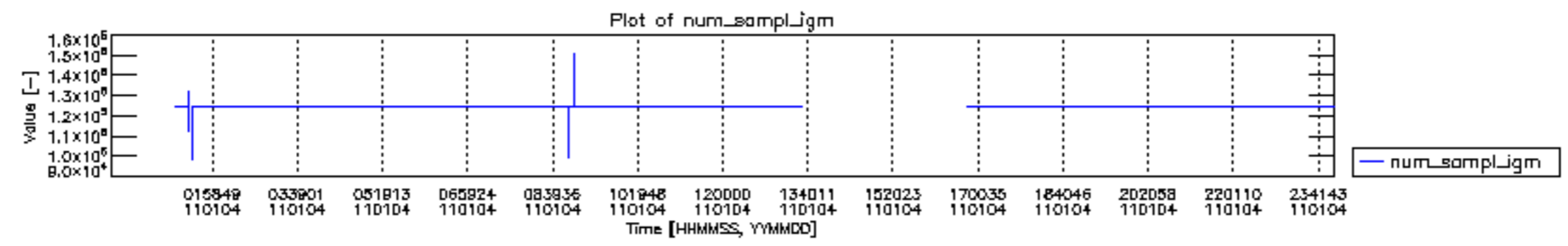
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110104_011500_000101973098_00117_46252_2647.N1	0	1
1	MIP_NL__0PNPDE20110104_040424_000062713098_00119_46254_2648.N1	0	1
2	MIP_NL__0PNPDE20110104_054821_000061583098_00120_46255_2649.N1	0	1
3	MIP_NL__0PNPDK20110104_073016_000038673098_00121_46256_3890.N1	0	1
4	MIP_NL__0PNPDK20110104_083348_000060873098_00122_46257_3891.N1	0	1
5	MIP_NL__0PNPDK20110104_101340_000061313098_00123_46258_3892.N1	0	1
6	MIP_NL__0PNPDK20110104_115427_000059683098_00124_46259_3893.N1	0	2
7	MIP_NL__0PNPDK20110104_164743_000060063098_00127_46262_3896.N1	0	2
8	MIP_NL__0PNPDK20110104_182649_000059983098_00128_46263_3897.N1	0	2
9	MIP_NL__0PNPDE20110104_200441_000042663098_00129_46264_2650.N1	0	2
10	MIP_NL__0PNPDE20110104_211404_000062753098_00129_46264_2651.N1	0	2
11	MIP_NL__0PNPDE20110104_225657_000061923098_00130_46265_2652.N1	0	3

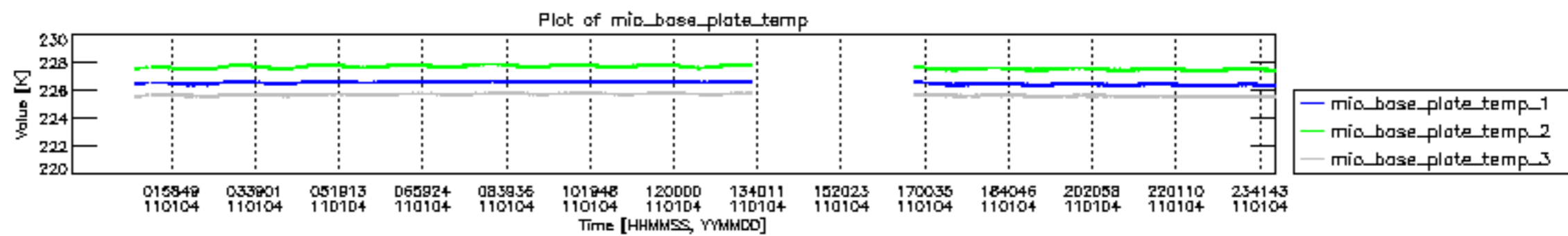


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110104\_12.PNG

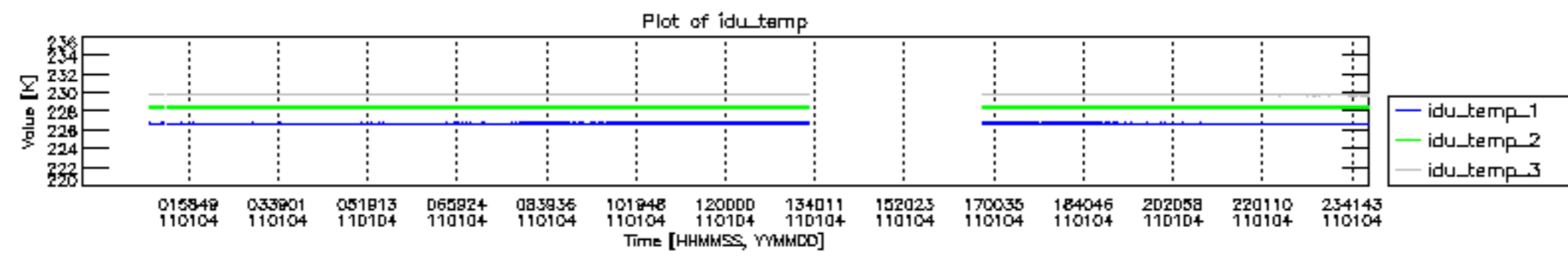


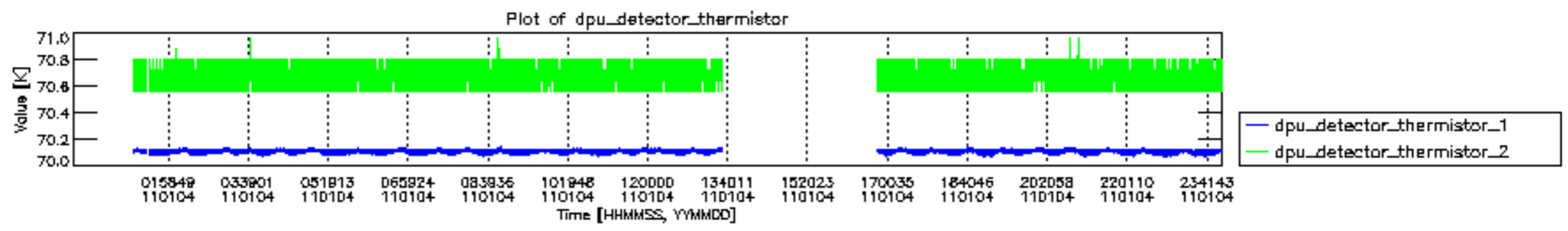
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110104\_13.PNG

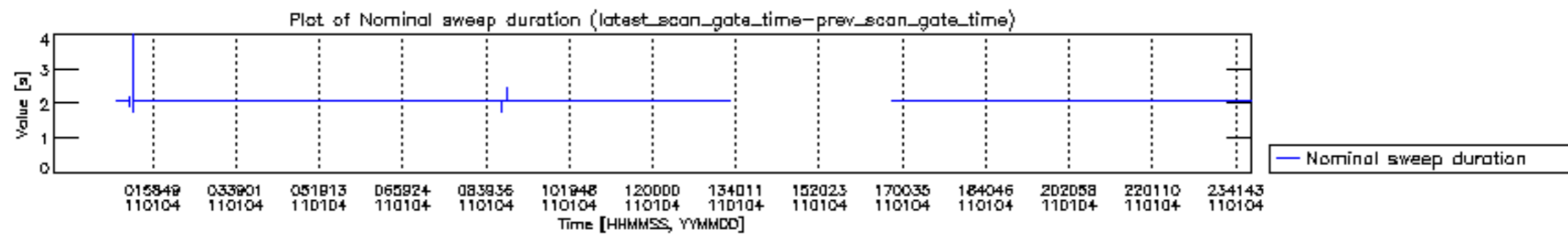


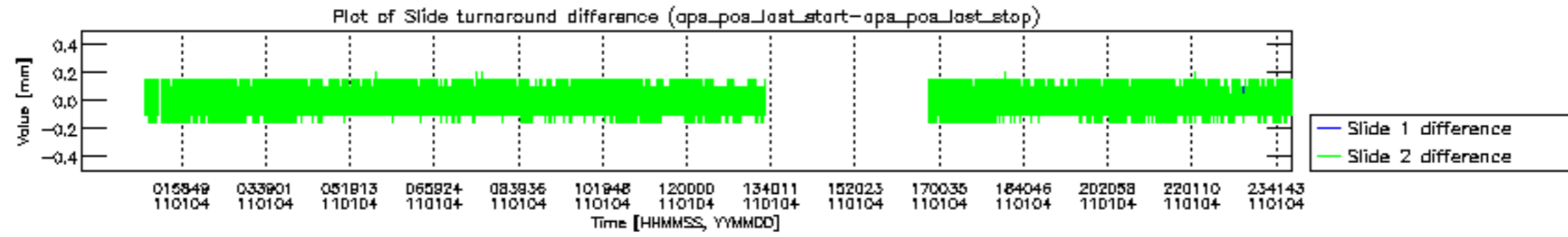


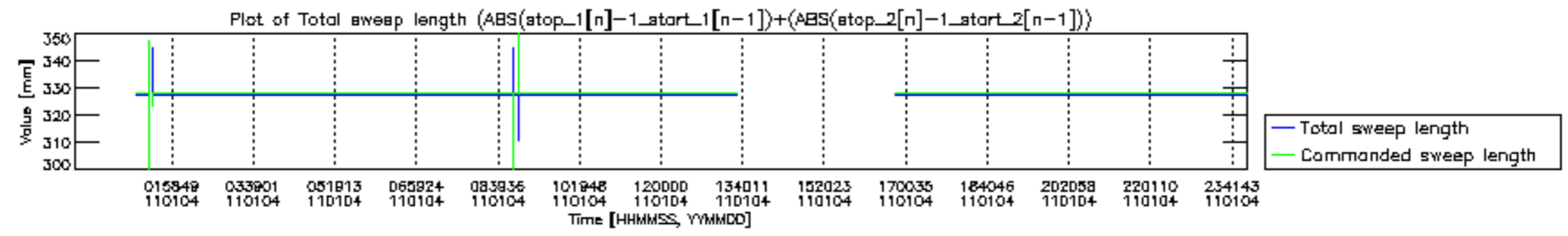


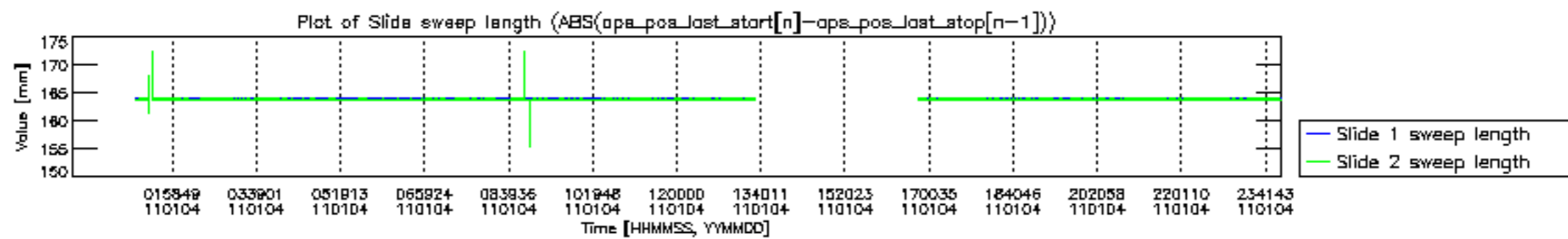


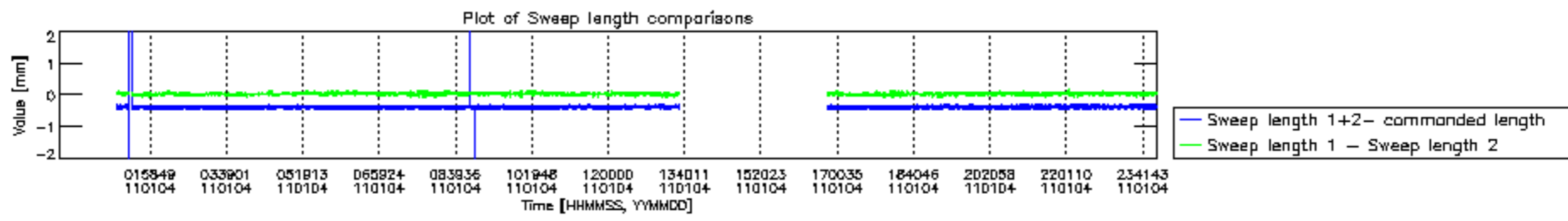


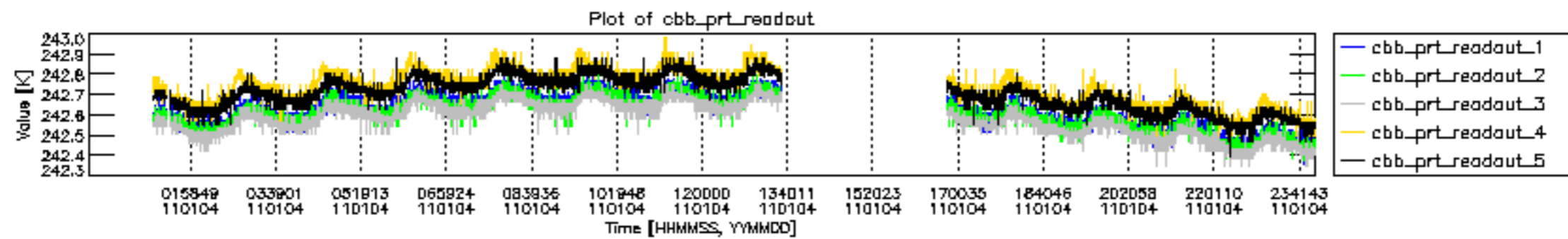




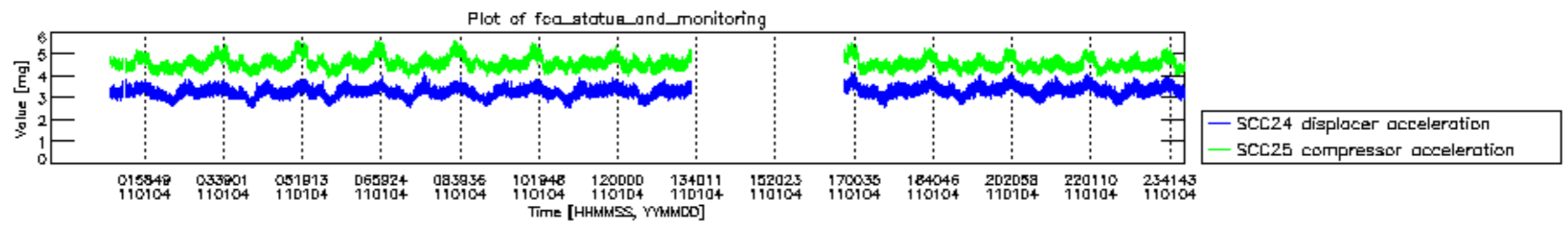




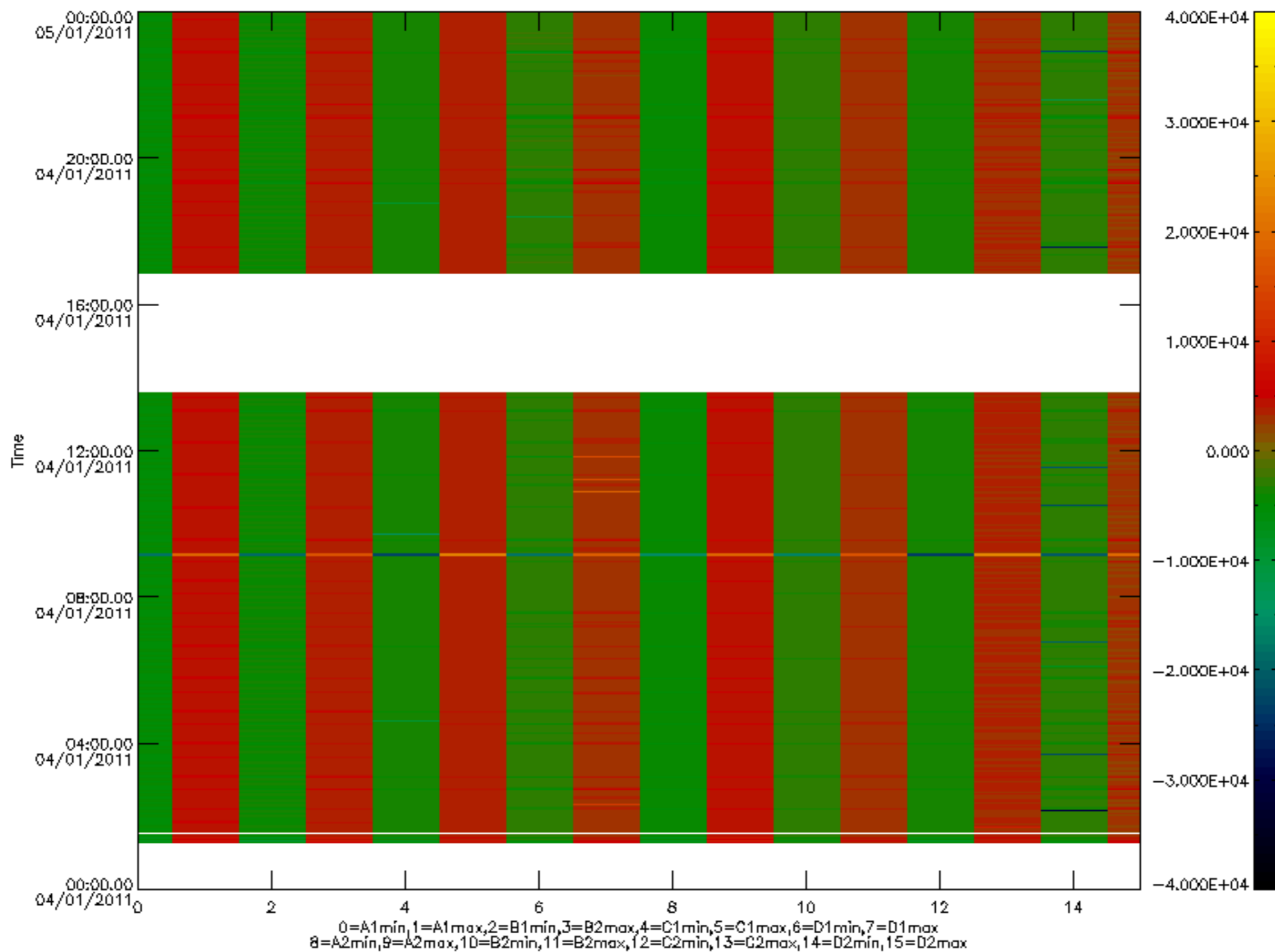


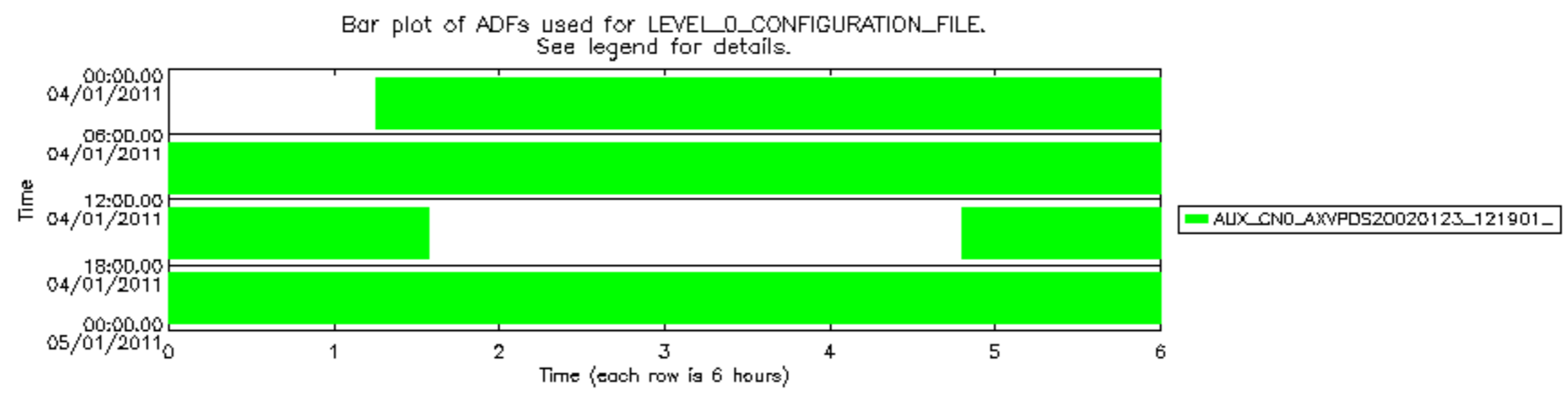






MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.





Bar plot of ADFs used for ORBIT\_STATE\_VECTOR\_FILE.  
See legend for details.

