

## 0. MIPAS Daily Report for level 0 products

### [0.1 General Info](#)

### [0.2 Instrument Operational Performance Parameters](#)

### [0.3 ADF monitoring](#)

## 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	31JAN2011 05:24:48
Data source version	KSPT_L0/4504-N
Processing scope for products	26JAN2011 00:00:00 to 27JAN2011 00:00:00
Start time of first product within scope	26JAN2011 01:07:32
Stop time of last product within scope	27JAN2011 00:33:12
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__0PNPDE20110126_010732_000103103099_00002_46568_2792.N1	26JAN2011 01:07:32	26JAN2011 03:59:22	0	0	0	0	0
1	MIP_NL__0PNPDE20110126_035848_000062693099_00004_46570_2793.N1	26JAN2011 03:58:48	26JAN2011 05:43:18	0	0	0	0	0
2	MIP_NL__0PNPDE20110126_054244_000023433099_00005_46571_2794.N1	26JAN2011 05:42:44	26JAN2011 06:21:47	0	0	0	0	0
3	MIP_NL__0PNPDK20110126_094148_000016143099_00008_46574_4120.N1	26JAN2011 09:41:48	26JAN2011 10:08:43	0	0	0	0	0
4	MIP_NL__0PNPDK20110126_100724_000061333099_00008_46574_4121.N1	26JAN2011 10:07:24	26JAN2011 11:49:36	0	0	0	0	0
5	MIP_NL__0PNPDK20110126_114758_000060773099_00009_46575_4123.N1	26JAN2011 11:47:58	26JAN2011 13:29:15	0	0	0	0	0
6	MIP_NL__0PNPDK20110126_132817_000057683099_00010_46576_4124.N1	26JAN2011 13:28:17	26JAN2011 15:04:25	0	0	0	0	0
7	MIP_NL__0PNPDK20110126_150339_000060173099_00011_46577_4126.N1	26JAN2011 15:03:39	26JAN2011 16:43:55	0	0	0	0	0
8	MIP_NL__0PNPDK20110126_164309_000058393099_00012_46578_4127.N1	26JAN2011 16:43:09	26JAN2011 18:20:28	0	0	0	0	0
9	MIP_NL__0PNPDK20110126_181930_000060043099_00013_46579_4128.N1	26JAN2011 18:19:30	26JAN2011 19:59:34	0	0	0	0	0
10	MIP_NL__0PNPDE20110126_195747_000041613099_00014_46580_2795.N1	26JAN2011 19:57:47	26JAN2011 21:07:09	0	0	0	0	0
11	MIP_NL__0PNPDE20110126_210612_000064553099_00014_46580_2796.N1	26JAN2011 21:06:12	26JAN2011 22:53:48	0	0	0	0	0
12	MIP_NL__0PNPDE20110126_225243_000060293099_00015_46581_2797.N1	26JAN2011 22:52:43	27JAN2011 00:33:12	0	0	0	0	0

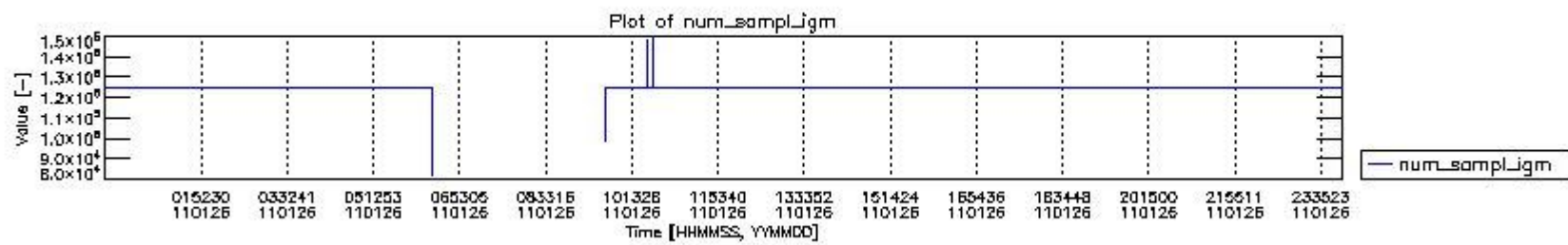
## 0.2 Instrument Operational Performance Parameters

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.

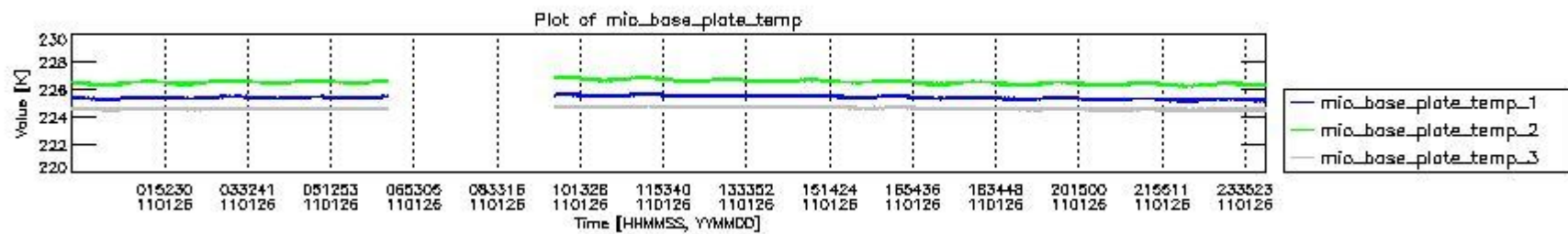
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
81850	1	0.0027893225
93259	1	0.0027893225
99070	1	0.0027893225
113391	1	0.0027893225
123844	1	0.0027893225

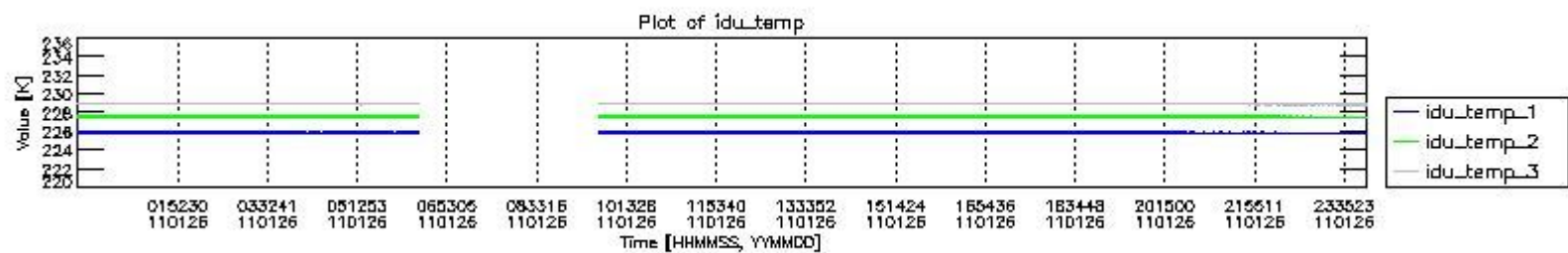
124322	1	0.0027893225
124800	33298	92.878860
124803	2541	7.0876684
126490	1	0.0027893225
127308	1	0.0027893225
146622	1	0.0027893225
147440	1	0.0027893225
148312	1	0.0027893225
149948	1	0.0027893225



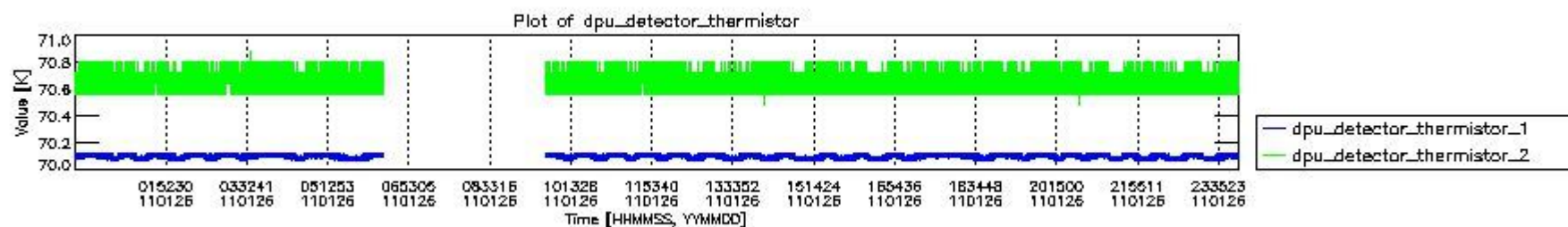
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110126\_0.PNG



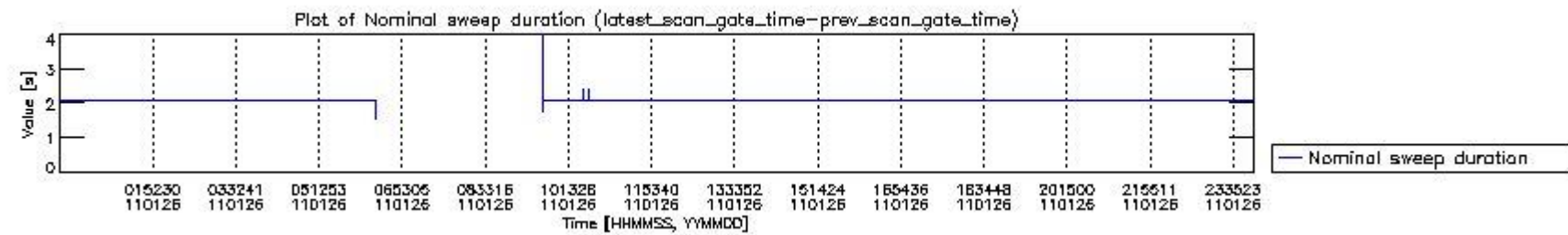
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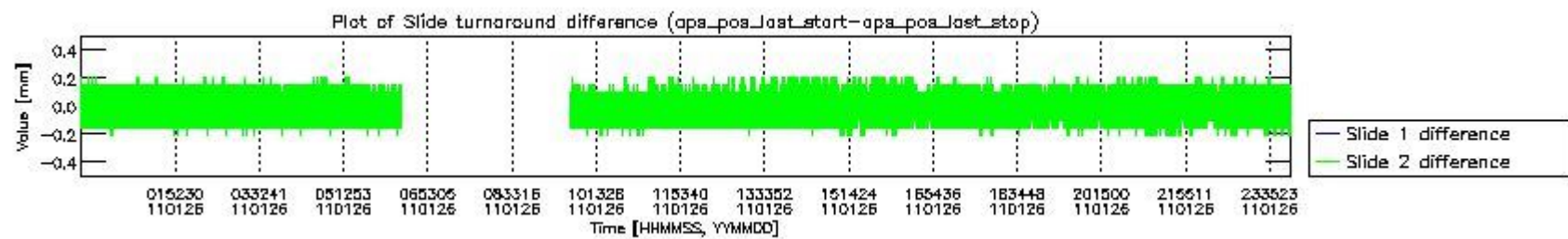
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110126\_2.PNG



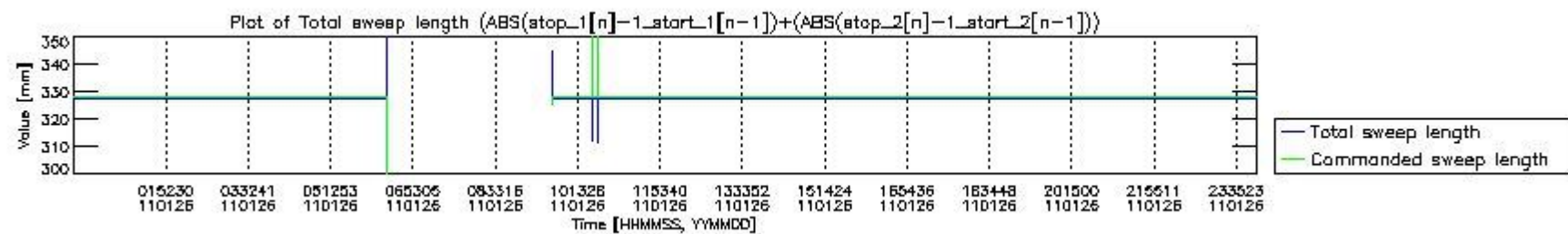
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110126\_3.PNG



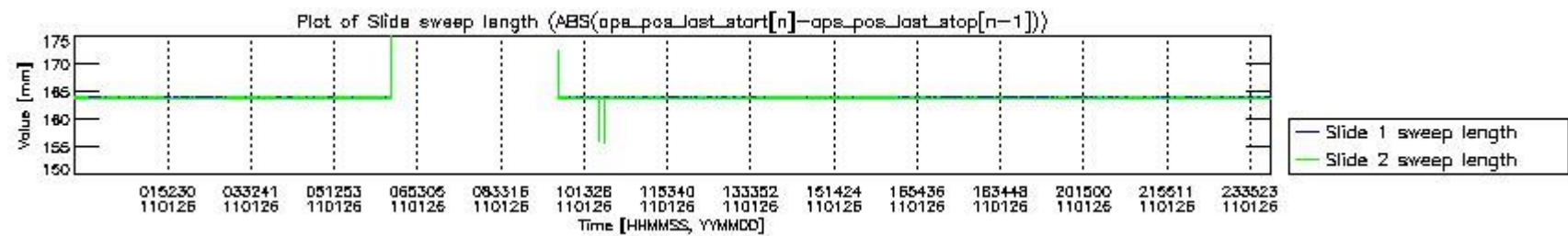
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110126\_4.PNG



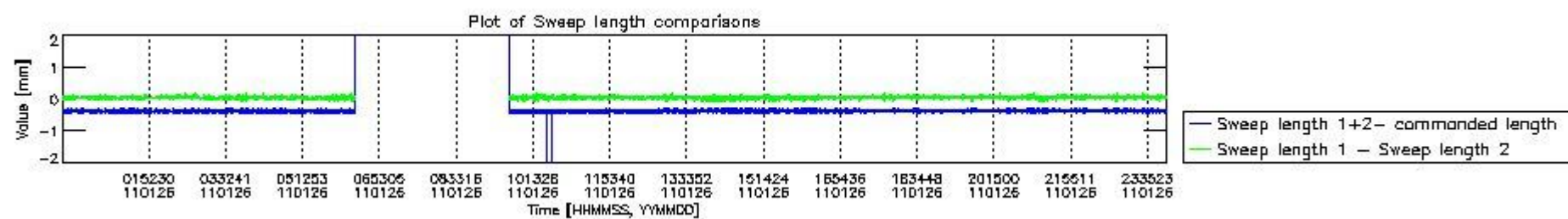
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110126\_5.PNG



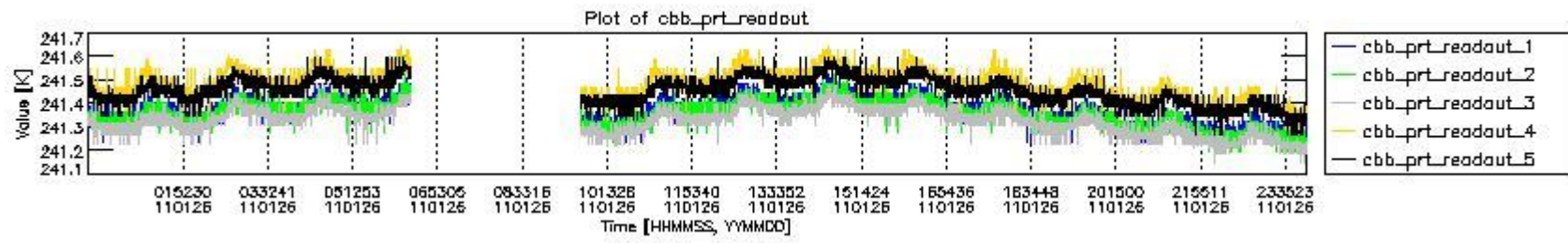
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110126\_6.PNG



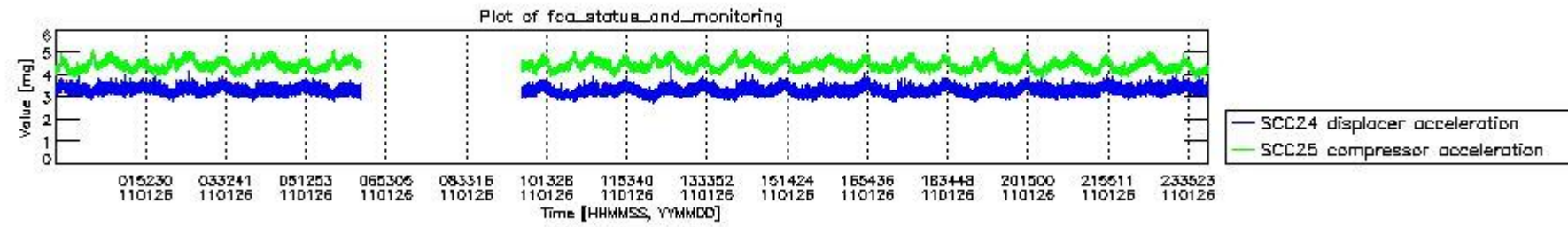
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110126\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110126\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110126\_9.PNG



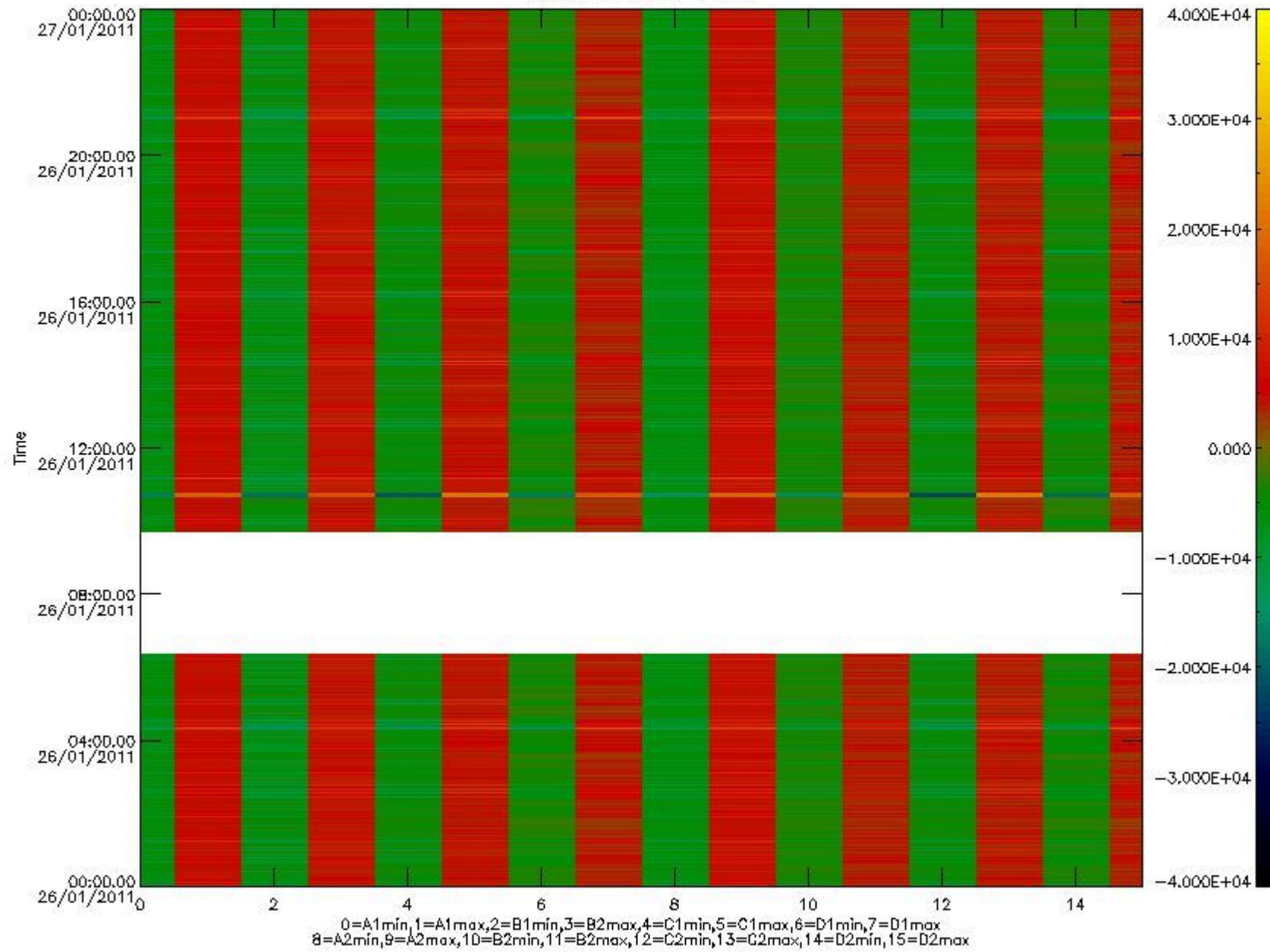
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110126\_10.PNG

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	-21896	21709	16bit
D1	-32768	32767	16bit
A2	-32768	28751	16bit
B2	-32768	32767	16bit
C2	-22808	24025	16bit
D2	-32768	32767	16bit



MIPNLOP\_MIPSOUPAC\_aux\_fields\_1gm\_cal, channel statistics plot  
Colour indicates value.



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110126\_11.PNG

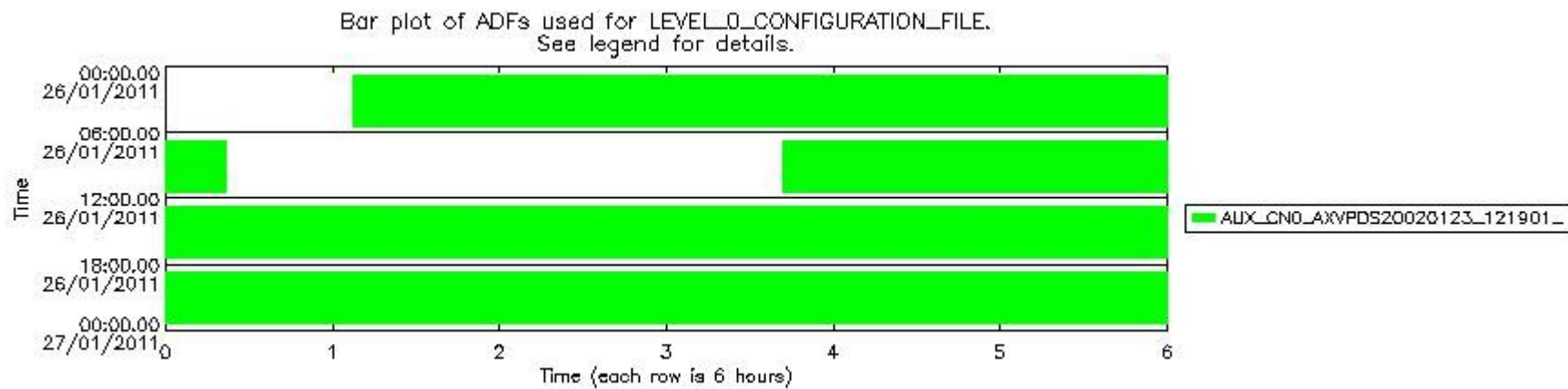
### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

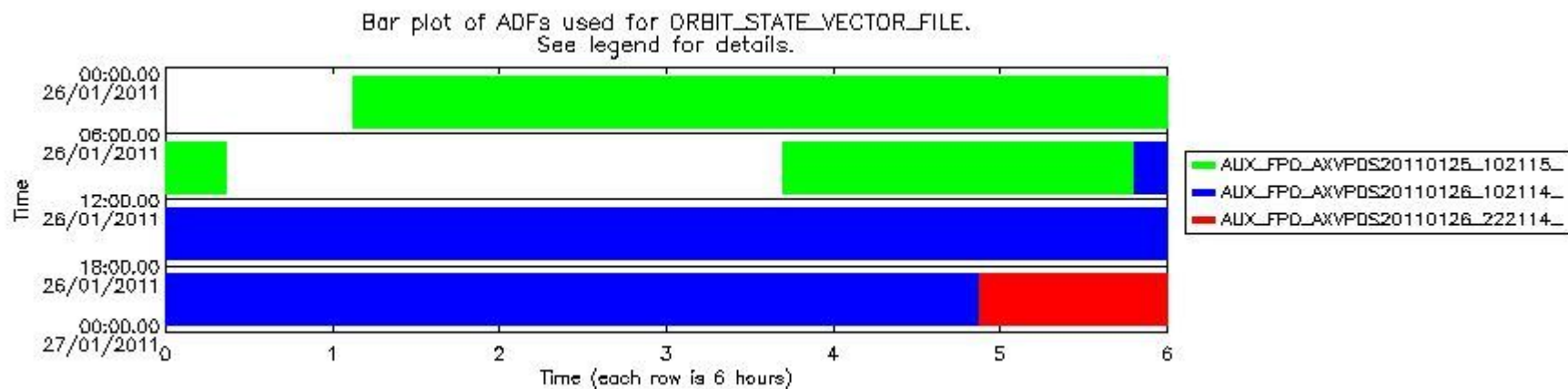
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110125_102115_20110124_191612_20110203_213004
2	AUX_FPO_AXVPDS20110126_102114_20110125_183928_20110204_205320
3	AUX_FPO_AXVPDS20110126_222114_20110126_194259_20110205_201636

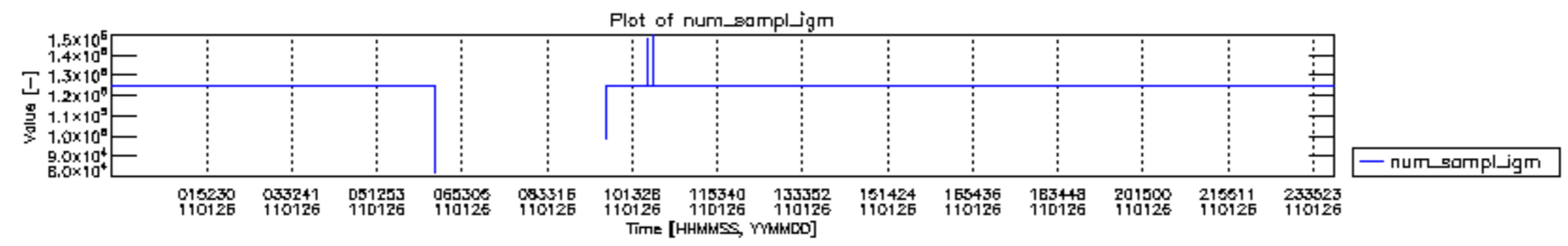
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110126_010732_000103103099_00002_46568_2792.N1	0	1
1	MIP_NL__0PNPDE20110126_035848_000062693099_00004_46570_2793.N1	0	1
2	MIP_NL__0PNPDE20110126_054244_000023433099_00005_46571_2794.N1	0	1
3	MIP_NL__0PNPDK20110126_094148_000016143099_00008_46574_4120.N1	0	1
4	MIP_NL__0PNPDK20110126_100724_000061333099_00008_46574_4121.N1	0	1
5	MIP_NL__0PNPDK20110126_114758_000060773099_00009_46575_4123.N1	0	2
6	MIP_NL__0PNPDK20110126_132817_000057683099_00010_46576_4124.N1	0	2
7	MIP_NL__0PNPDK20110126_150339_000060173099_00011_46577_4126.N1	0	2
8	MIP_NL__0PNPDK20110126_164309_000058393099_00012_46578_4127.N1	0	2
9	MIP_NL__0PNPDK20110126_181930_000060043099_00013_46579_4128.N1	0	2
10	MIP_NL__0PNPDE20110126_195747_000041613099_00014_46580_2795.N1	0	2
11	MIP_NL__0PNPDE20110126_210612_000064553099_00014_46580_2796.N1	0	2
12	MIP_NL__0PNPDE20110126_225243_000060293099_00015_46581_2797.N1	0	3

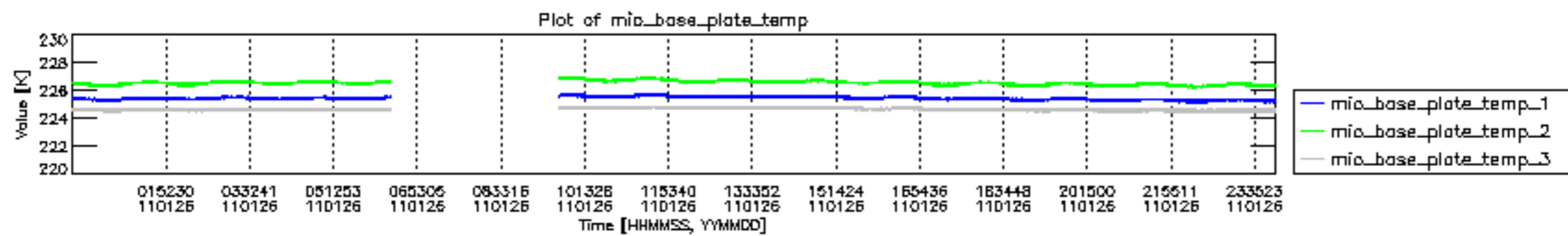


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110126\_12.PNG

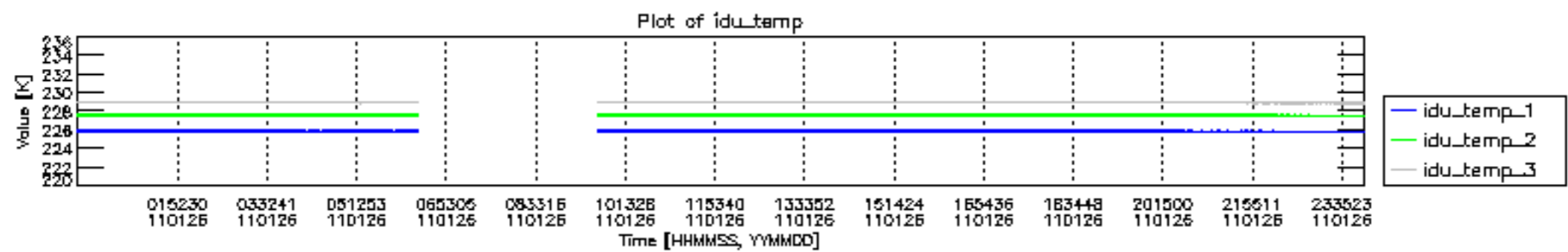


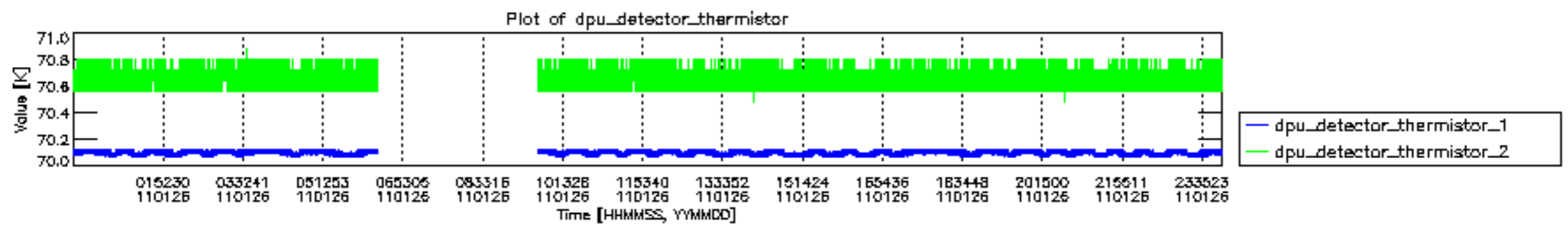
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110126\_13.PNG

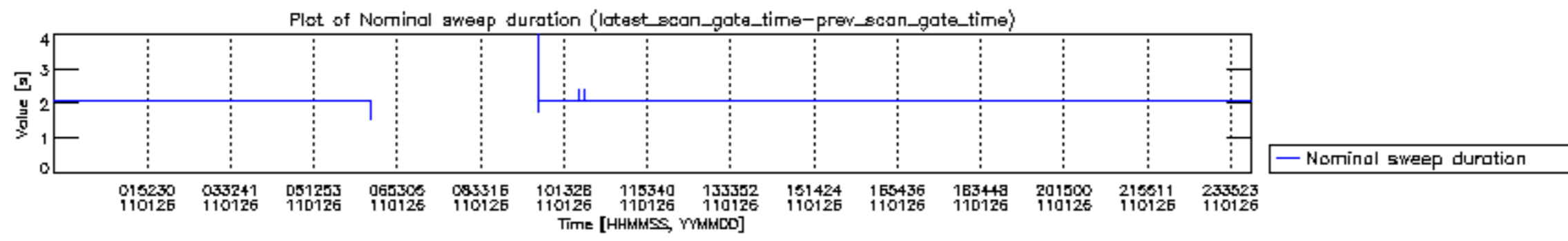


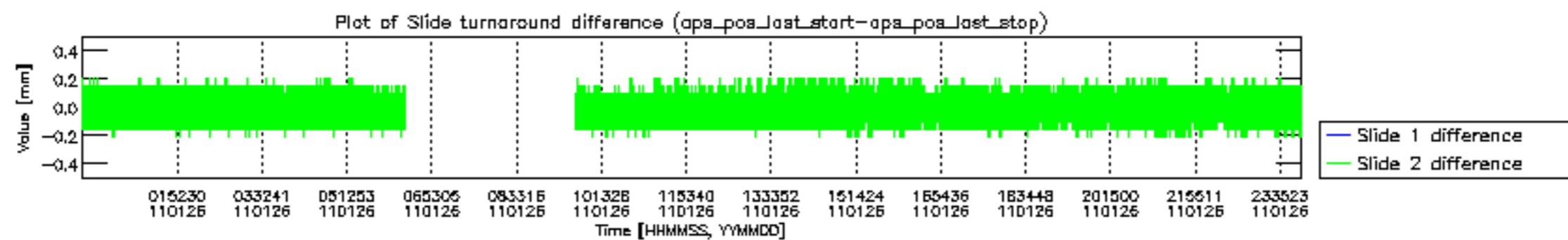


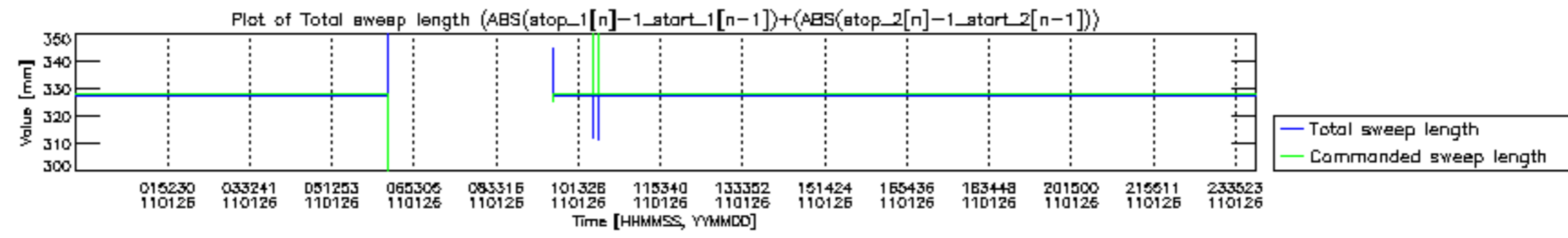




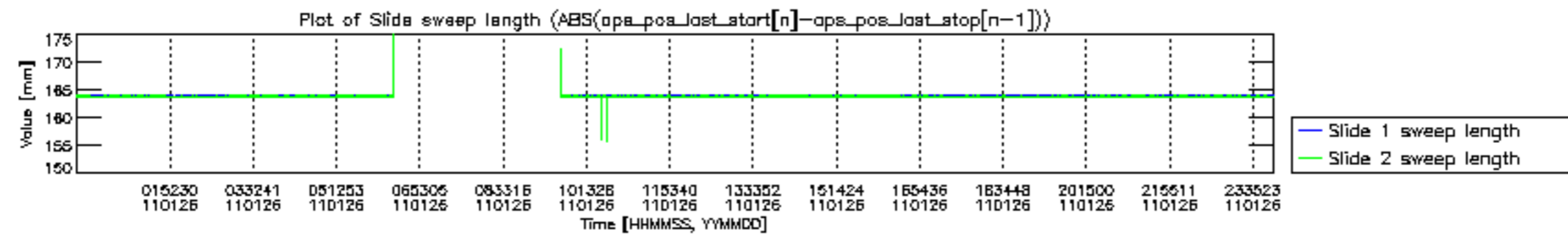


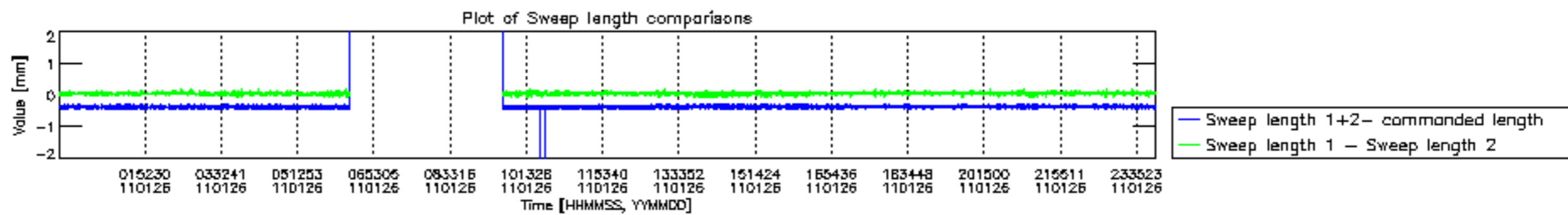


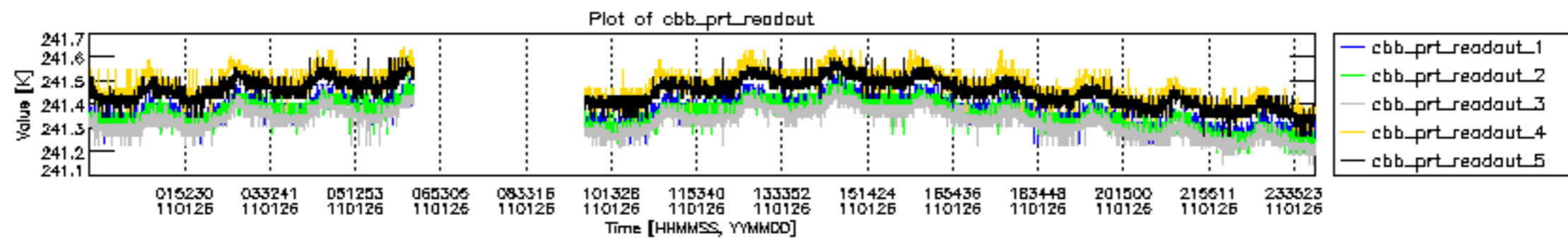


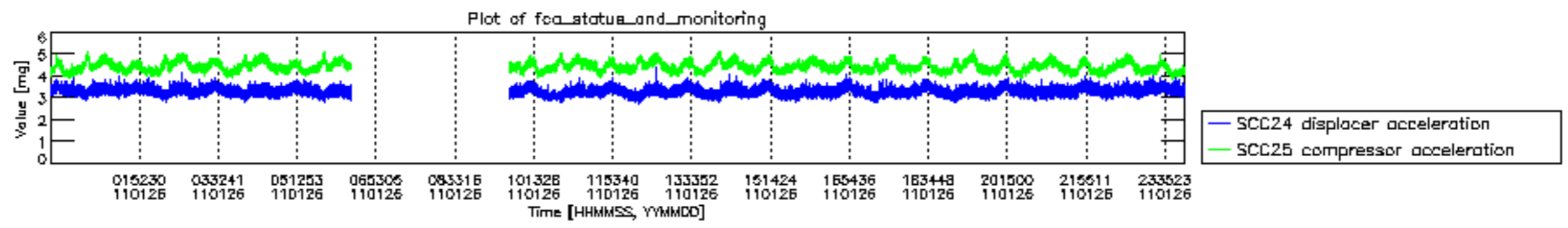




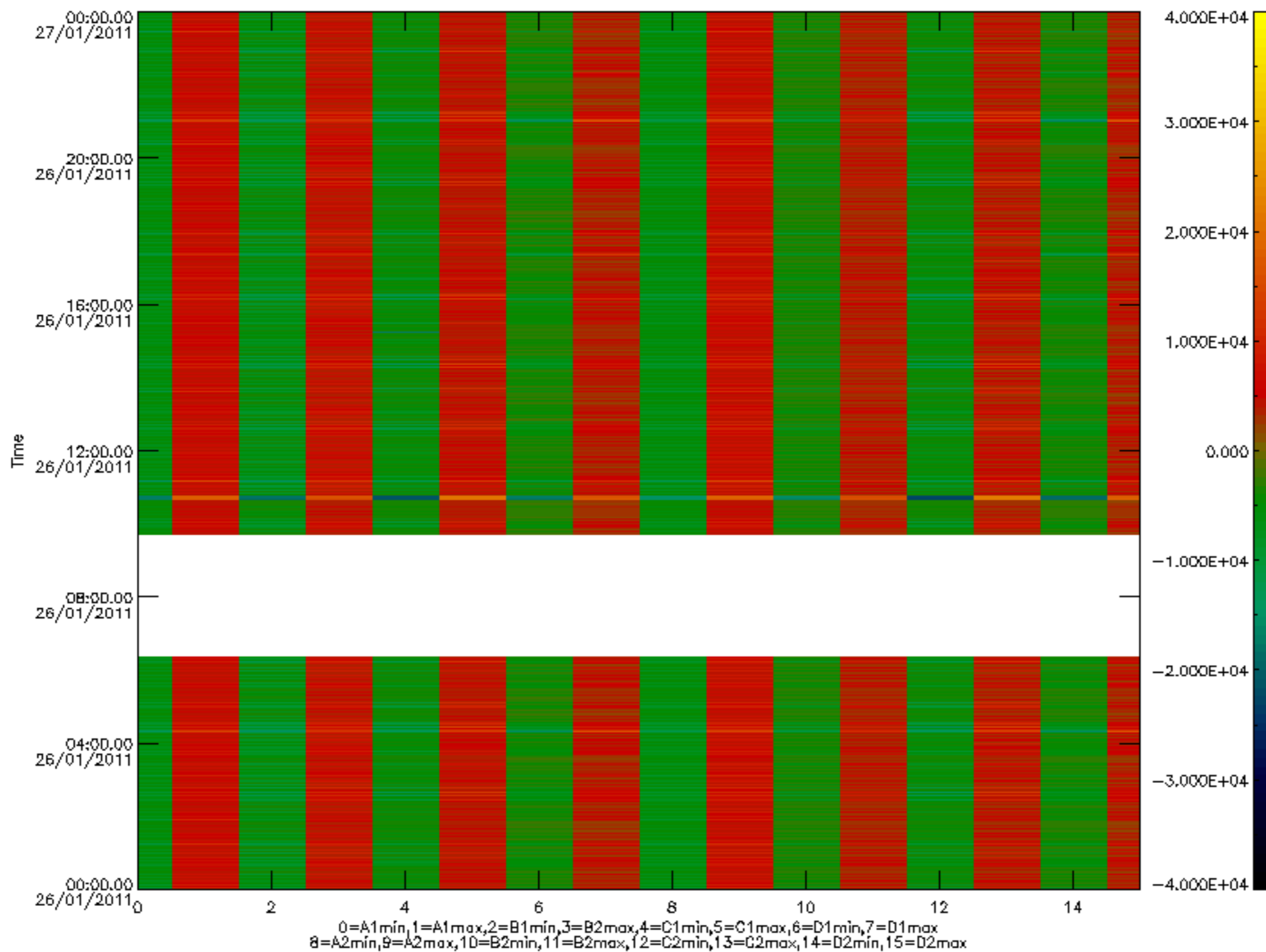




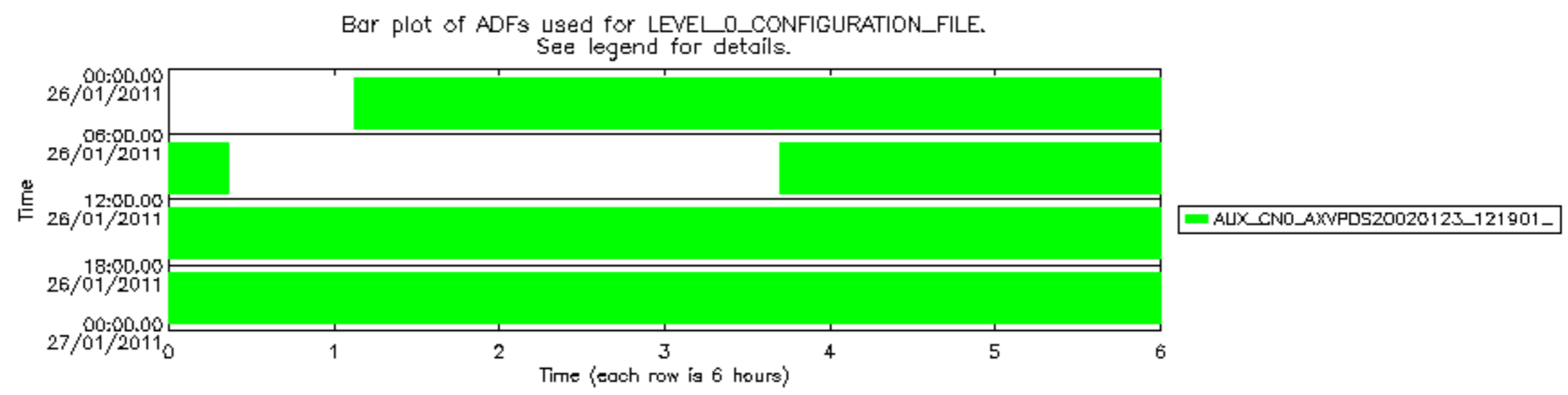




MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.







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

