

## 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	02DEC2010 05:24:58
Data source version	KSPT_L0/4504-N
Processing scope for products	27NOV2010 00:00:00 to 28NOV2010 00:00:00
Start time of first product within scope	27NOV2010 01:06:45
Stop time of last product within scope	28NOV2010 00:31:17
Total number of level 0 products	17
Number of level 0 products with errors	4

### 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__0PNPDE20101127_010645_000102663097_00002_45706_2219.N1	27NOV2010 01:06:45	27NOV2010 03:57:51	0	0	0	0	0
1	MIP_NL__0PNPDE20101127_035716_000025533097_00004_45708_2220.N1	27NOV2010 03:57:16	27NOV2010 04:39:49	0	0	0	0	0
2	MIP_NL__0PNPDK20101127_075935_000017363097_00006_45710_3387.N1	27NOV2010 07:59:35	27NOV2010 08:28:30	0	0	0	0	0
3	MIP_NL__0PNPDK20101127_082732_000060133097_00007_45711_3388.N1	27NOV2010 08:27:32	27NOV2010 10:07:45	0	0	0	0	0
4	MIP_NL__0PNPDK20101127_100647_000061383097_00008_45712_3389.N1	27NOV2010 10:06:47	27NOV2010 11:49:05	0	0	0	0	0
5	MIP_NL__0PNPDK20101127_114724_000059293097_00009_45713_3390.N1	27NOV2010 11:47:24	27NOV2010 13:26:13	0	0	0	0	0
6	MIP_NL__0PNPDK20101127_132515_000055343097_00010_45714_3391.N1	27NOV2010 13:25:15	27NOV2010 14:57:29	1	1	0	0	0
7	MIP_NL__0PNPDK20101127_145729_000000023097_00011_45715_3392.N1	27NOV2010 14:57:29	27NOV2010 14:57:31	0	0	0	0	0
8	MIP_NL__0PNPDK20101127_145731_000000043097_00011_45715_3393.N1	27NOV2010 14:57:31	27NOV2010 14:57:35	1	1	0	0	0
9	MIP_NL__0PNPDK20101127_145735_000000023097_00011_45715_3395.N1	27NOV2010 14:57:35	27NOV2010 14:57:37	1	1	0	0	0
10	MIP_NL__0PNPDK20101127_145737_000000003097_00011_45715_3397.N1	27NOV2010 14:57:37	27NOV2010 14:57:37	1	1	0	0	0
11	MIP_NL__0PNPDK20101127_150406_000058083097_00011_45715_3401.N1	27NOV2010 15:04:06	27NOV2010 16:40:54	0	0	0	0	0
12	MIP_NL__0PNPDK20101127_163909_000060963097_00012_45716_3402.N1	27NOV2010 16:39:09	27NOV2010 18:20:45	0	0	0	0	0
13	MIP_NL__0PNPDK20101127_181945_000059603097_00013_45717_3403.N1	27NOV2010 18:19:45	27NOV2010 19:59:05	0	0	0	0	0
14	MIP_NL__0PNPDE20101127_195729_000040703097_00014_45718_2221.N1	27NOV2010 19:57:29	27NOV2010 21:05:18	0	0	0	0	0
15	MIP_NL__0PNPDE20101127_210409_000064283097_00014_45718_2222.N1	27NOV2010 21:04:09	27NOV2010 22:51:18	0	0	0	0	0
16	MIP_NL__0PNPDE20101127_225009_000060693097_00015_45719_2223.N1	27NOV2010 22:50:09	28NOV2010 00:31:17	0	0	0	0	0

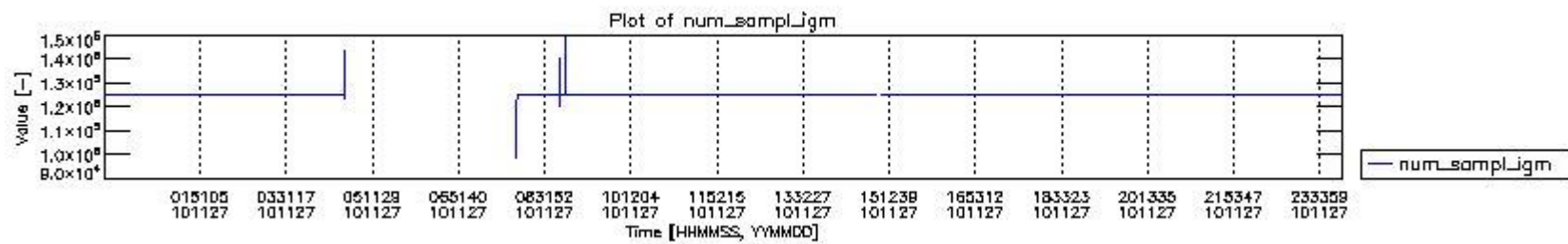
## 0.2 Instrument Operational Performance Parameters

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.

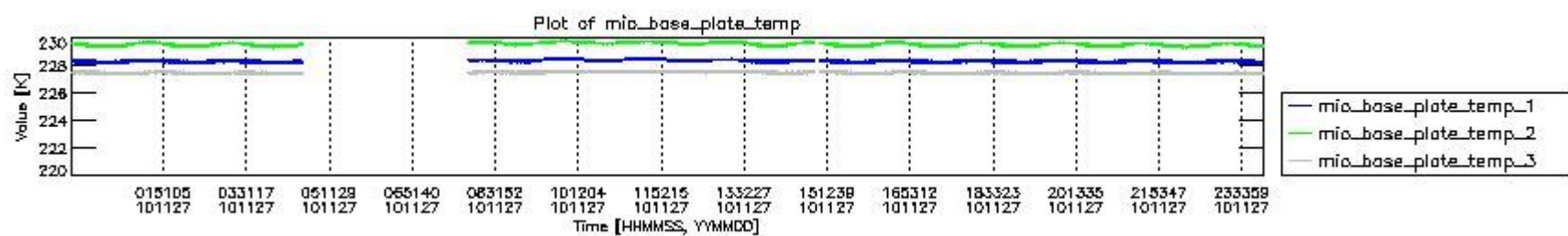
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98624	1	0.0028026120

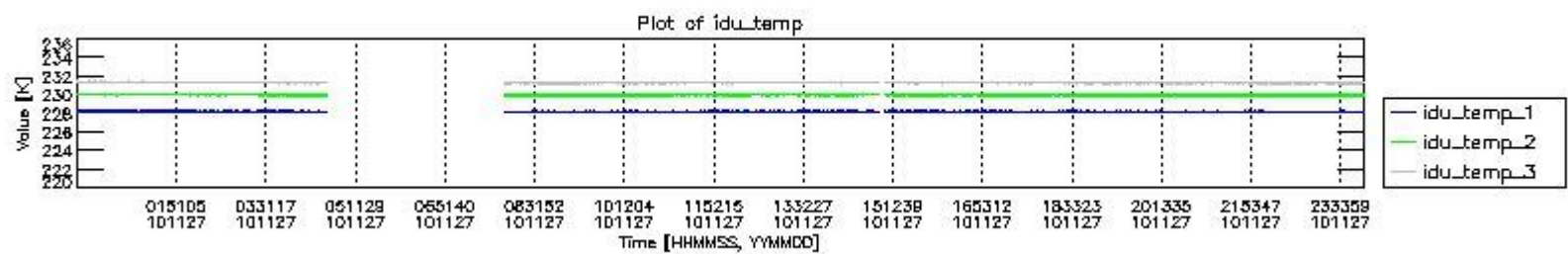
120617	1	0.0028026120
122952	1	0.0028026120
123814	1	0.0028026120
123876	1	0.0028026120
124800	33141	92.881365
124803	2528	7.0850032
126862	1	0.0028026120
136566	1	0.0028026120
140749	1	0.0028026120
142960	1	0.0028026120
143946	1	0.0028026120
146994	1	0.0028026120
149056	1	0.0028026120



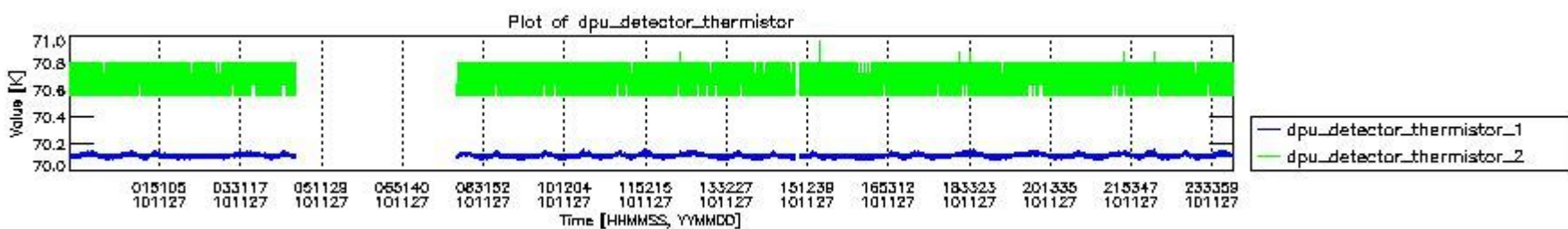
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101127\_0.PNG



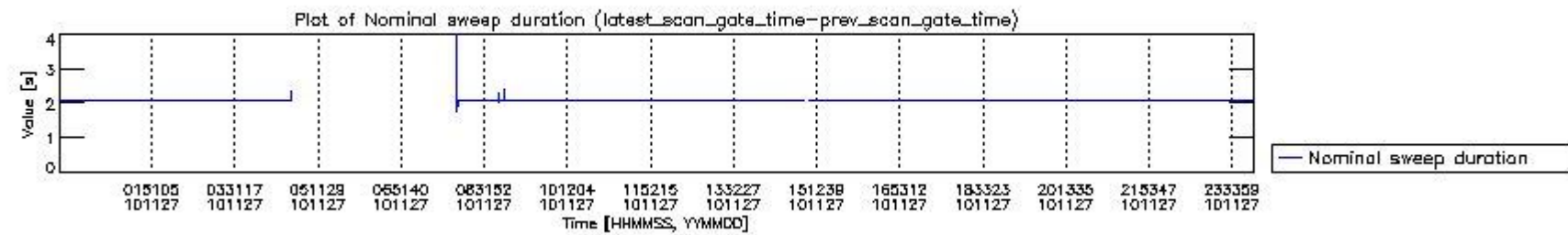
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101127\_1.PNG



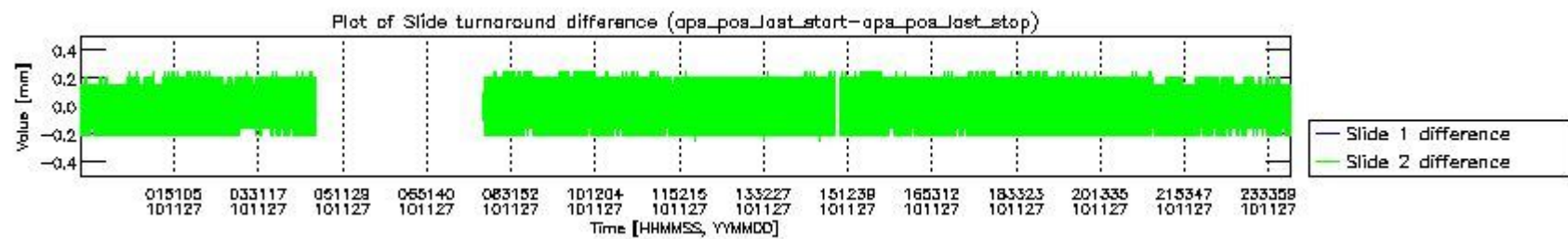
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101127\_2.PNG



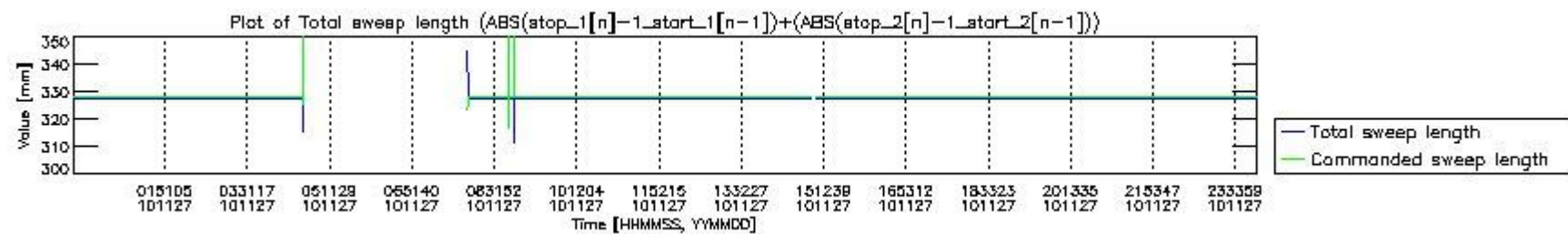
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101127\_3.PNG



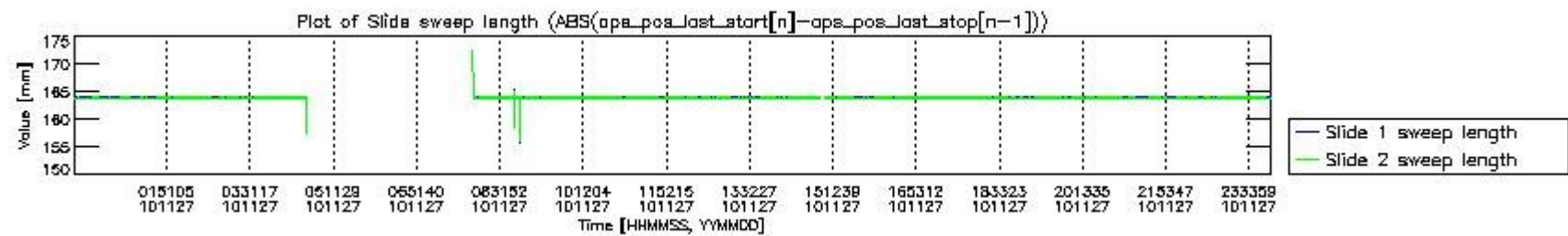
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101127\_4.PNG



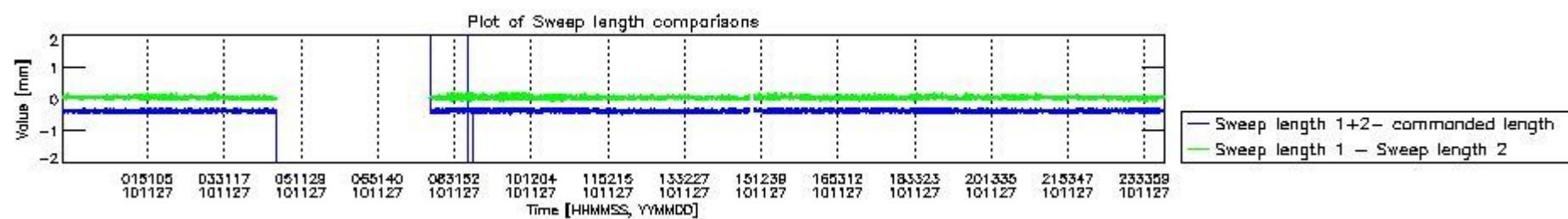
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101127\_5.PNG



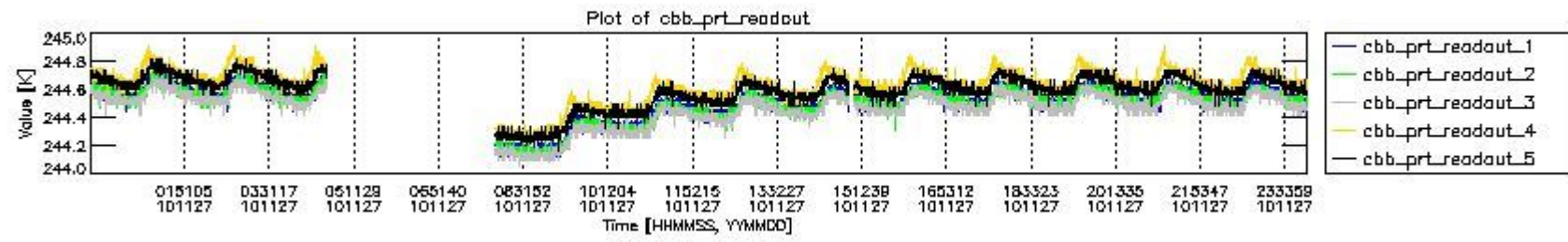
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101127\_6.PNG



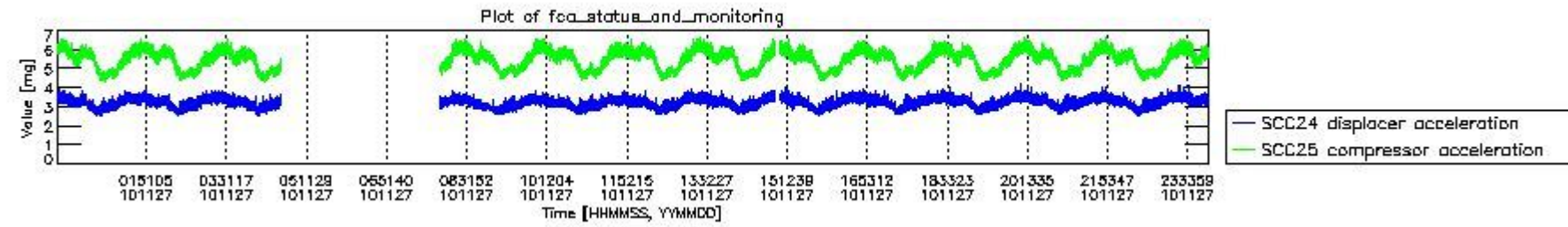
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101127\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101127\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101127\_9.PNG

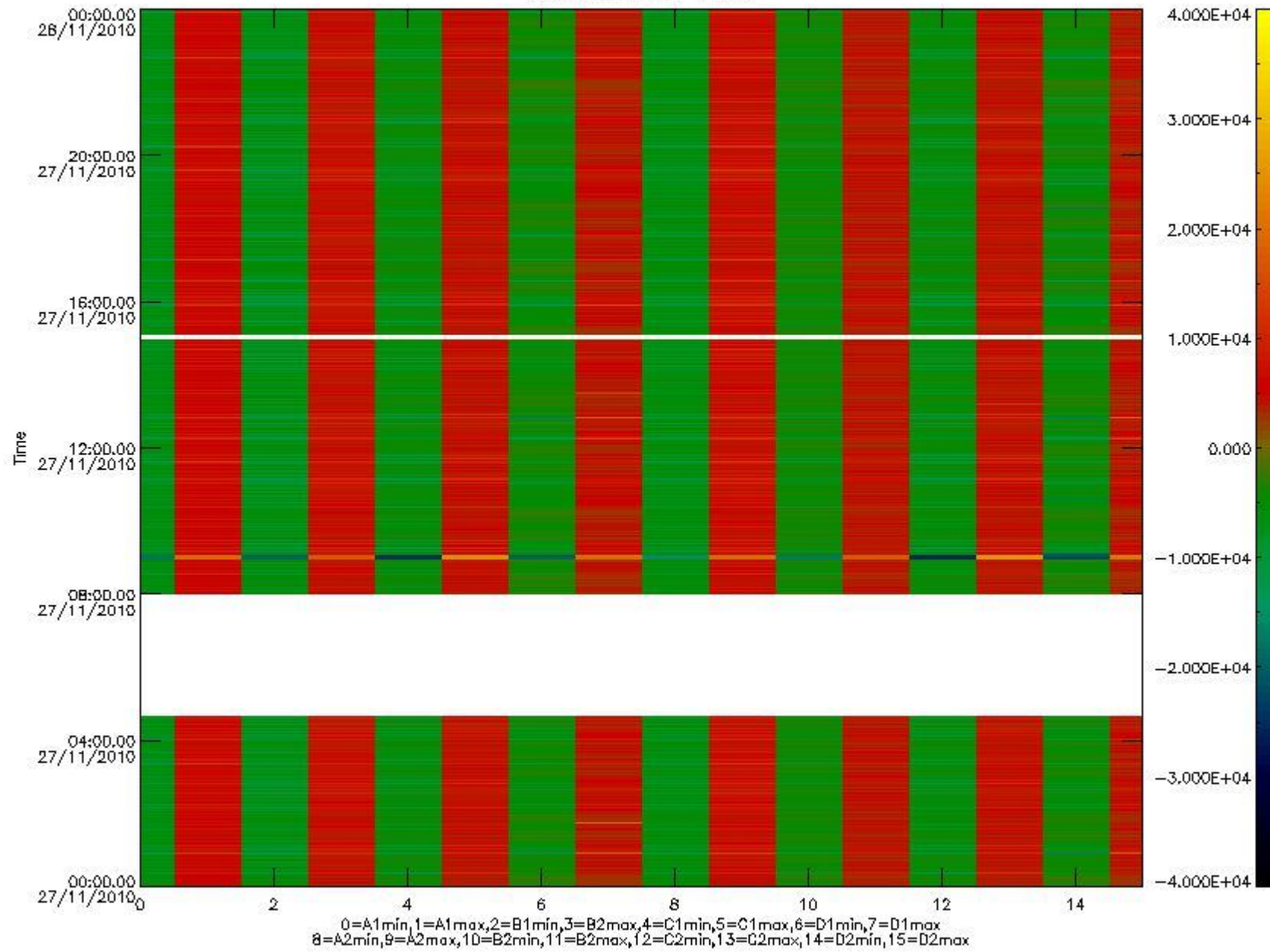


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101127\_10.PNG

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	-24701	24639	16bit
D1	-32768	32767	16bit
A2	-32768	28267	16bit
B2	-32768	32767	16bit
C2	-25623	25342	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\_20101127\_11.PNG

### 0.3 ADF monitoring

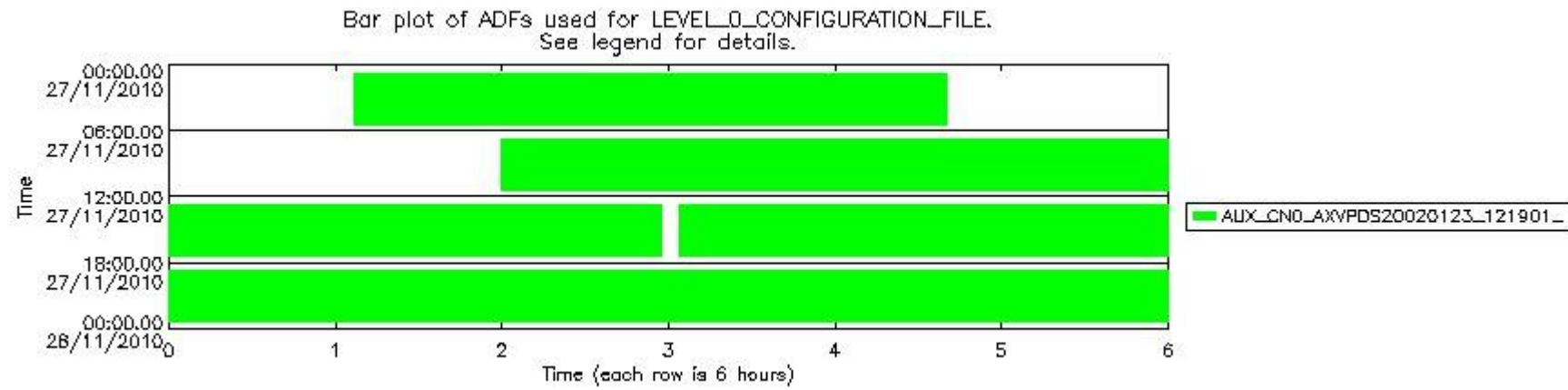
The use of ADFs is shown in two ways:

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.

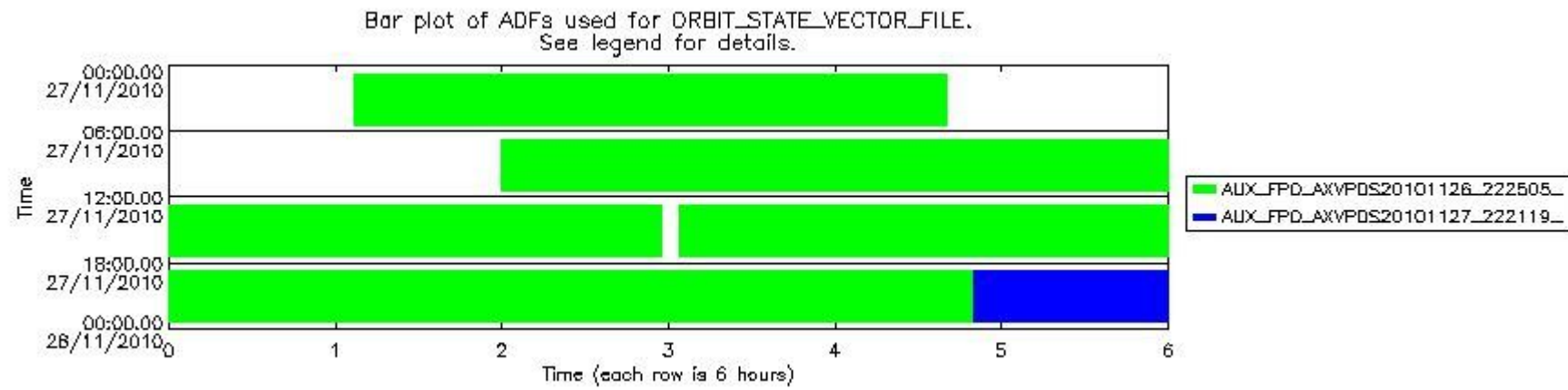
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101126_222505_20101126_183801_20101206_205156
2	AUX_FPO_AXVPDS20101127_222119_20101127_194131_20101207_201512

Number	Product name	#CN0	#FPO
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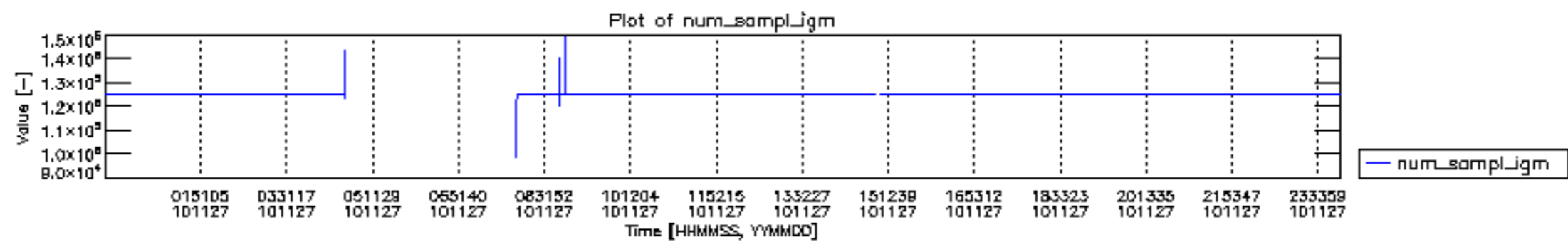
0	MIP_NL__0PNPDE20101127_010645_000102663097_00002_45706_2219.N1	0	1
1	MIP_NL__0PNPDE20101127_035716_000025533097_00004_45708_2220.N1	0	1
2	MIP_NL__0PNPDK20101127_075935_000017363097_00006_45710_3387.N1	0	1
3	MIP_NL__0PNPDK20101127_082732_000060133097_00007_45711_3388.N1	0	1
4	MIP_NL__0PNPDK20101127_100647_000061383097_00008_45712_3389.N1	0	1
5	MIP_NL__0PNPDK20101127_114724_000059293097_00009_45713_3390.N1	0	1
6	MIP_NL__0PNPDK20101127_132515_000055343097_00010_45714_3391.N1	0	1
7	MIP_NL__0PNPDK20101127_145729_000000023097_00011_45715_3392.N1	0	1
8	MIP_NL__0PNPDK20101127_145731_000000043097_00011_45715_3393.N1	0	1
9	MIP_NL__0PNPDK20101127_145735_000000023097_00011_45715_3395.N1	0	1
10	MIP_NL__0PNPDK20101127_145737_000000003097_00011_45715_3397.N1	0	1
11	MIP_NL__0PNPDK20101127_150406_000058083097_00011_45715_3401.N1	0	1
12	MIP_NL__0PNPDK20101127_163909_000060963097_00012_45716_3402.N1	0	1
13	MIP_NL__0PNPDK20101127_181945_000059603097_00013_45717_3403.N1	0	1
14	MIP_NL__0PNPDE20101127_195729_000040703097_00014_45718_2221.N1	0	1
15	MIP_NL__0PNPDE20101127_210409_000064283097_00014_45718_2222.N1	0	1
16	MIP_NL__0PNPDE20101127_225009_000060693097_00015_45719_2223.N1	0	2

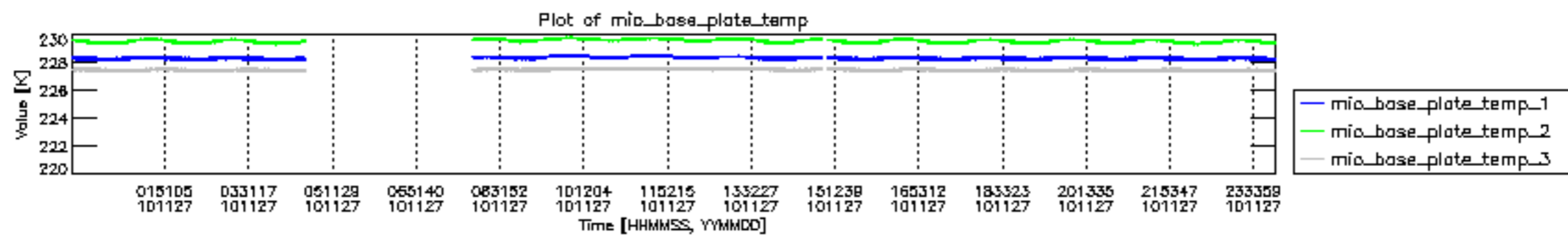


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101127\_12.PNG

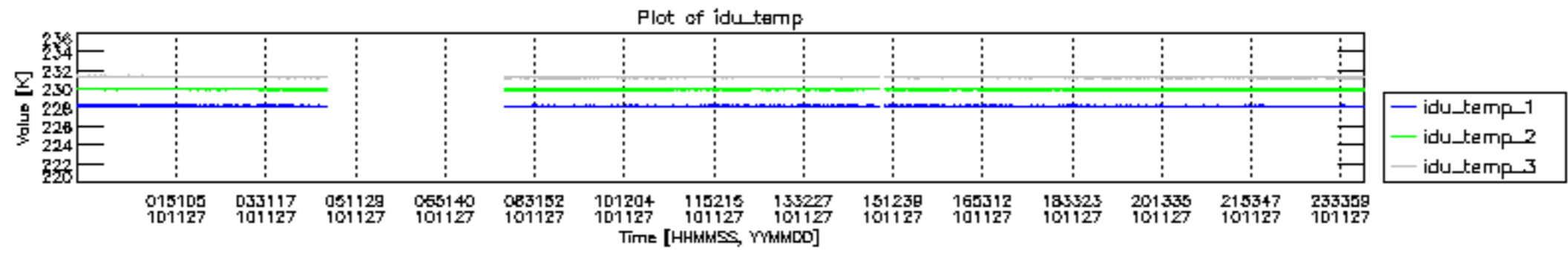


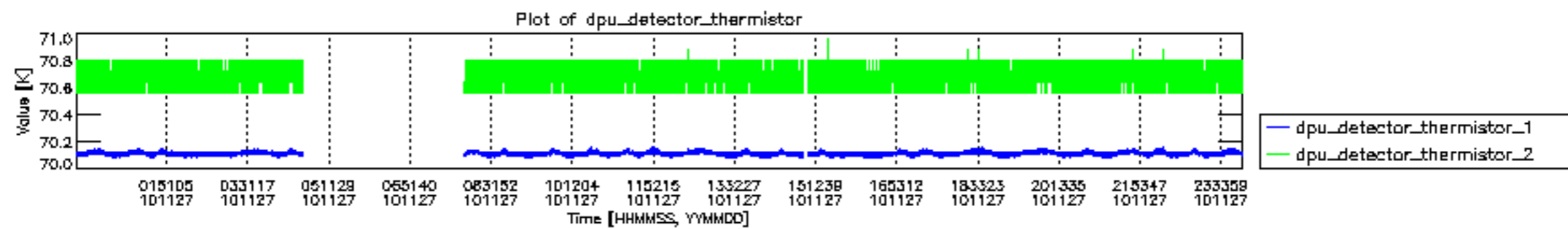
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101127\_13.PNG

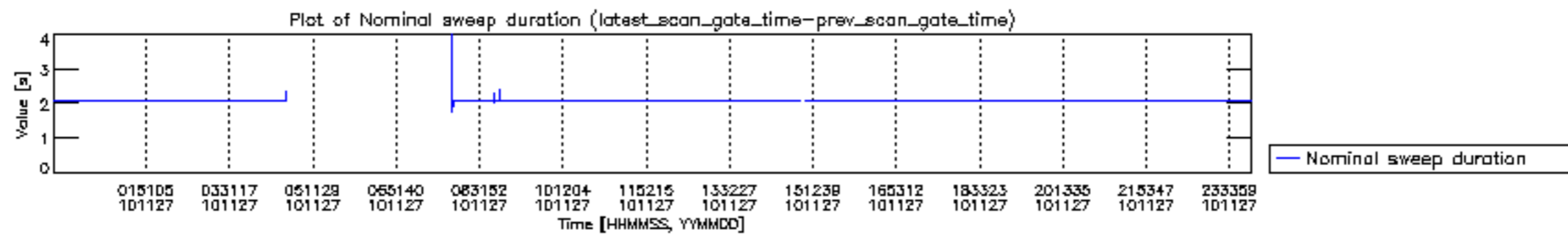


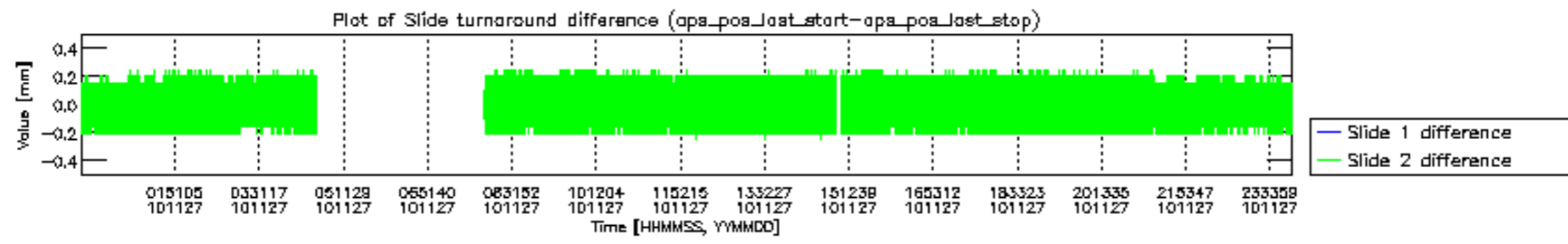


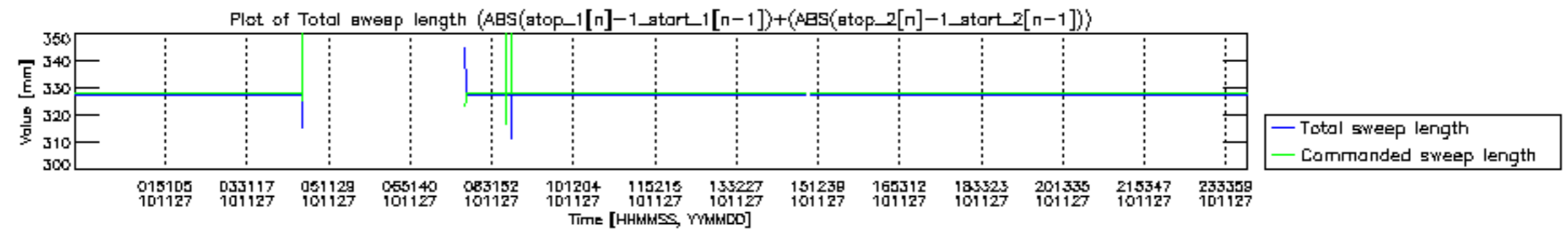


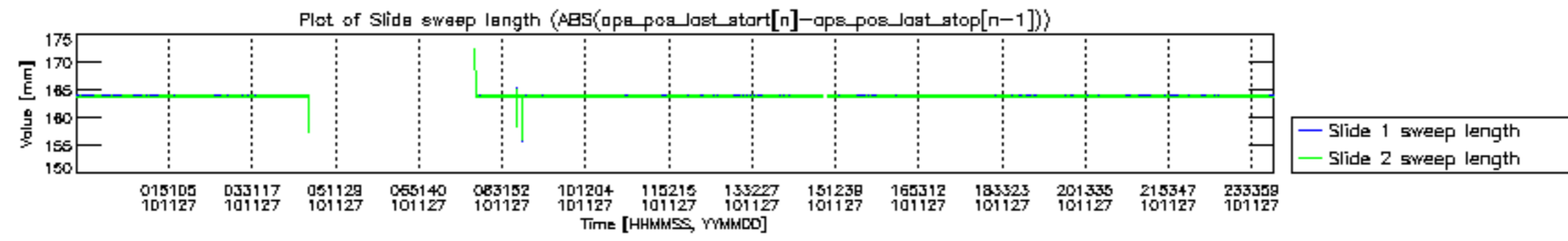


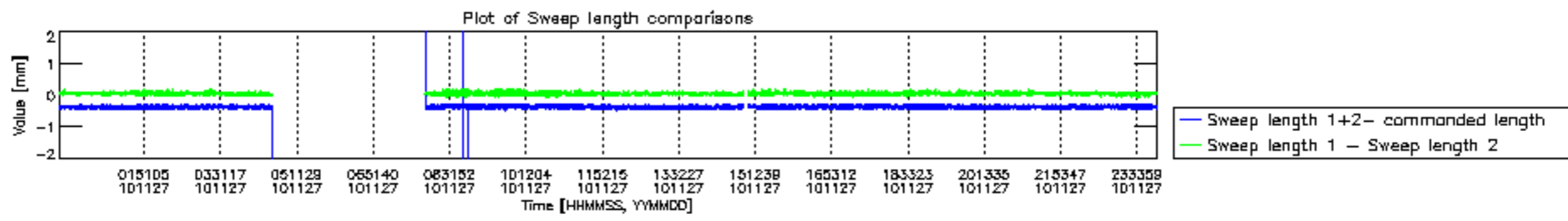


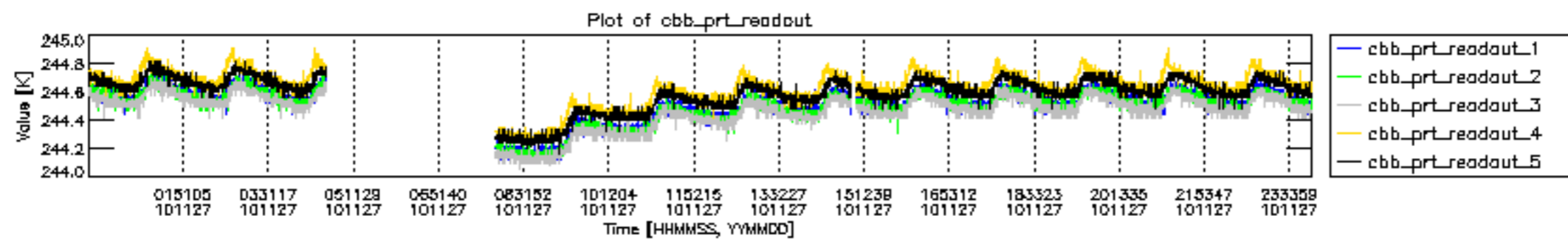




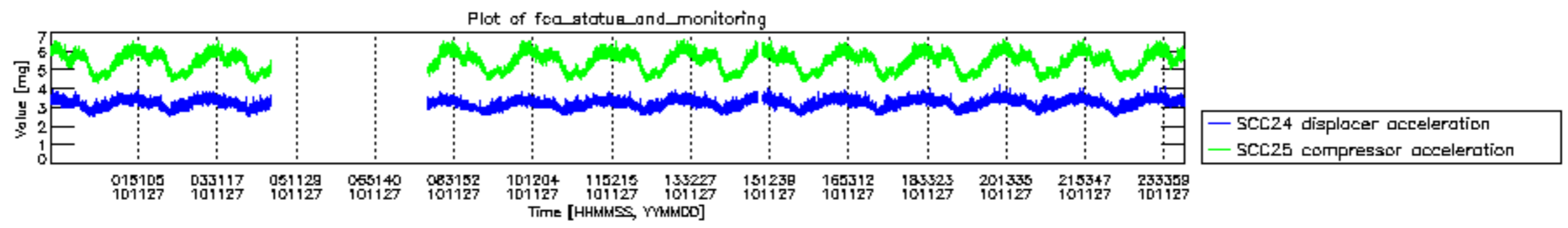




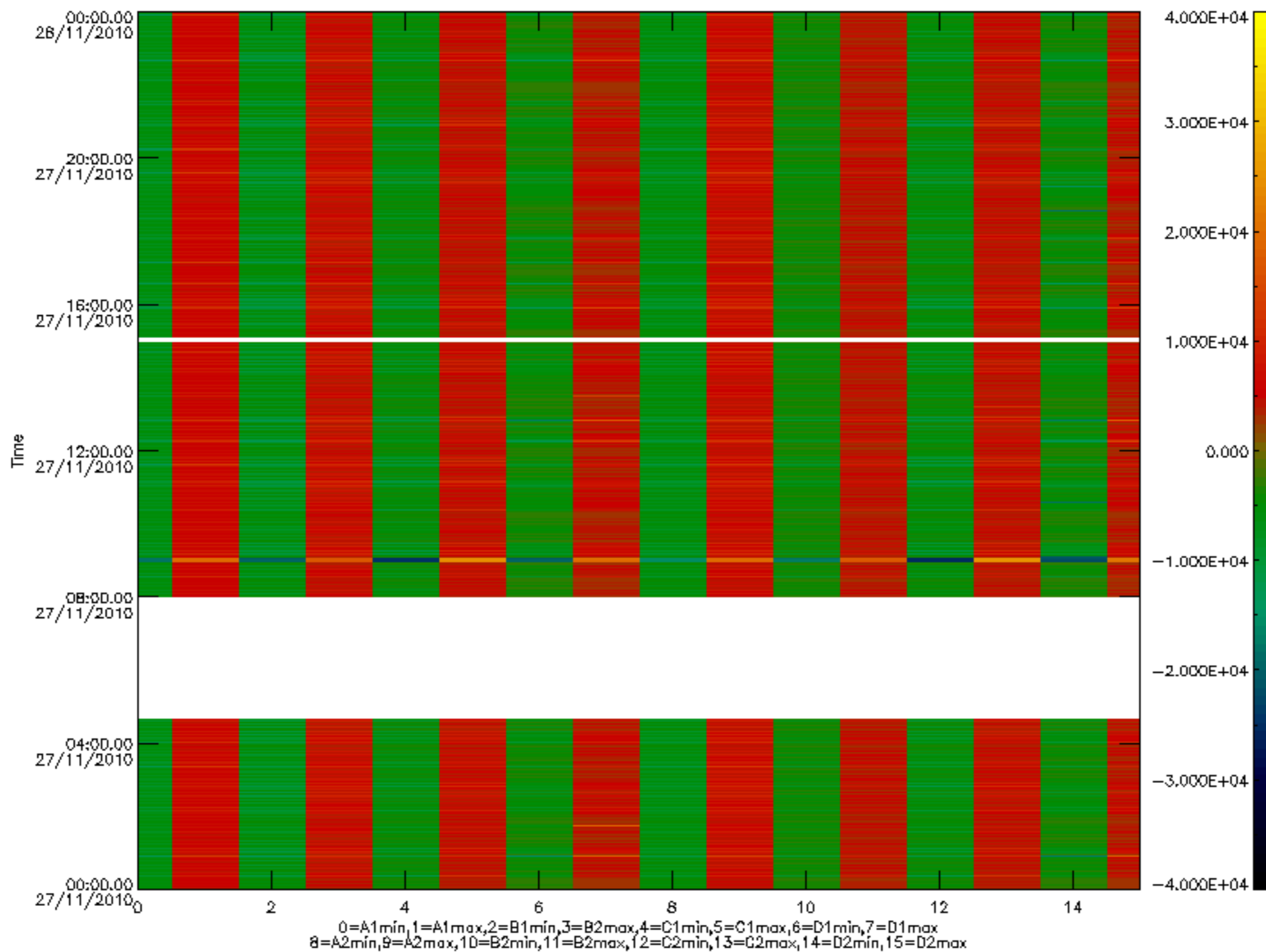


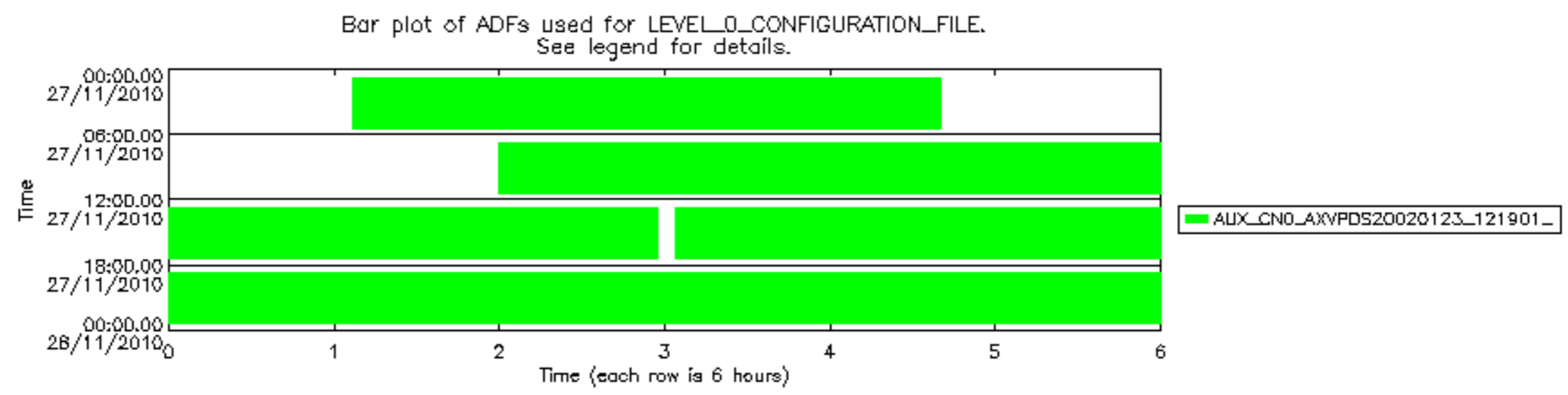






MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.





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

