

## 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	18NOV2011 05:24:13
Data source version	KSPT_L0/4504-N
Processing scope for products	13NOV2011 00:00:00 to 14NOV2011 00:00:00
Start time of first product within scope	13NOV2011 00:02:53
Stop time of last product within scope	14NOV2011 01:06:17
Total number of level 0 products	16
Number of level 0 products with errors	1

### 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__0PNPDE20111113_000253_000058973108_00303_50748_4821.N1	13NOV2011 00:02:53	13NOV2011 01:41:10	0	0	0	0	0
1	MIP_NL__0PNPDE20111113_014014_000044523108_00304_50749_4822.N1	13NOV2011 01:40:14	13NOV2011 02:54:26	0	0	0	0	0
2	MIP_NL__0PNPDE20111113_025352_000061793108_00305_50750_4823.N1	13NOV2011 02:53:52	13NOV2011 04:36:52	0	0	0	0	0
3	MIP_NL__0PNPDE20111113_043618_000060273108_00306_50751_4824.N1	13NOV2011 04:36:18	13NOV2011 06:16:45	0	0	0	0	0
4	MIP_NL__0PNPDK20111113_061612_000040403108_00307_50752_7509.N1	13NOV2011 06:16:12	13NOV2011 07:23:32	0	0	0	0	0
5	MIP_NL__0PNPDK20111113_072232_000061843108_00308_50753_7510.N1	13NOV2011 07:22:32	13NOV2011 09:05:35	0	0	0	0	0
6	MIP_NL__0PNPDK20111113_090410_000060723108_00309_50754_7511.N1	13NOV2011 09:04:10	13NOV2011 10:45:21	0	0	0	0	0
7	MIP_NL__0PNPDK20111113_104343_000060103108_00310_50755_7512.N1	13NOV2011 10:43:43	13NOV2011 12:23:53	0	0	0	0	0
8	MIP_NL__0PNPDK20111113_122215_000059373108_00311_50756_7513.N1	13NOV2011 12:22:15	13NOV2011 14:01:12	1	0	1	0	0
9	MIP_NL__0PNPDK20111113_135934_000060503108_00312_50757_7514.N1	13NOV2011 13:59:34	13NOV2011 15:40:24	0	0	0	0	0
10	MIP_NL__0PNPDK20111113_153925_000057663108_00313_50758_7515.N1	13NOV2011 15:39:25	13NOV2011 17:15:31	0	0	0	0	0
11	MIP_NL__0PNPDK20111113_171428_000060853108_00314_50759_7516.N1	13NOV2011 17:14:28	13NOV2011 18:55:54	0	0	0	0	0
12	MIP_NL__0PNPDK20111113_185453_000060103108_00315_50760_7517.N1	13NOV2011 18:54:53	13NOV2011 20:35:03	0	0	0	0	0
13	MIP_NL__0PNPDE20111113_203300_000043893108_00316_50761_4825.N1	13NOV2011 20:33:00	13NOV2011 21:46:09	0	0	0	0	0
14	MIP_NL__0PNPDE20111113_214500_000060523108_00316_50761_4826.N1	13NOV2011 21:45:00	13NOV2011 23:25:52	0	0	0	0	0
15	MIP_NL__0PNPDE20111113_232447_000060903108_00317_50762_4827.N1	13NOV2011 23:24:47	14NOV2011 01:06:17	0	0	0	0	0

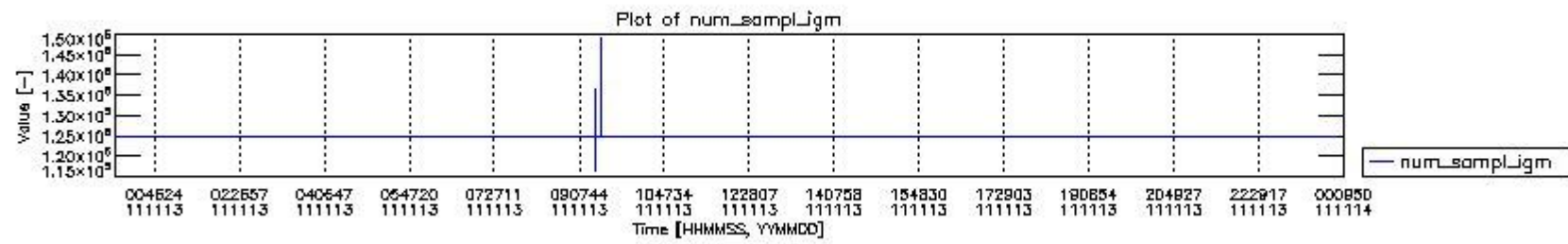
## 0.2 Instrument Operational Performance Parameters

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.

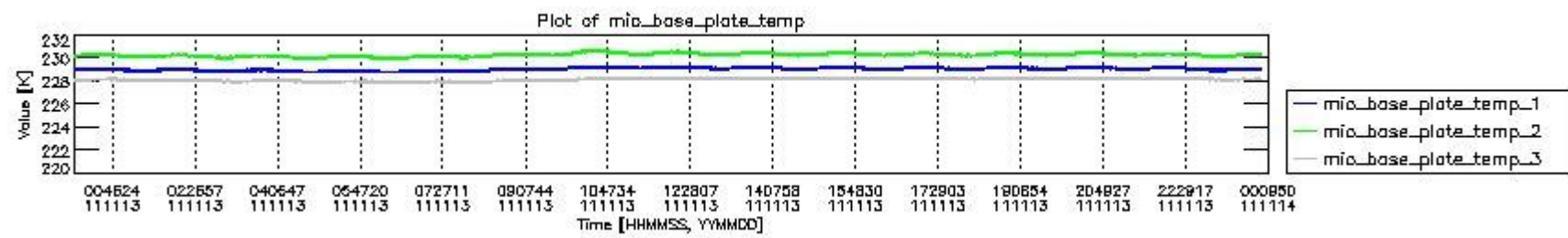
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
116231	1	0.0023977365
124800	38740	92.888313

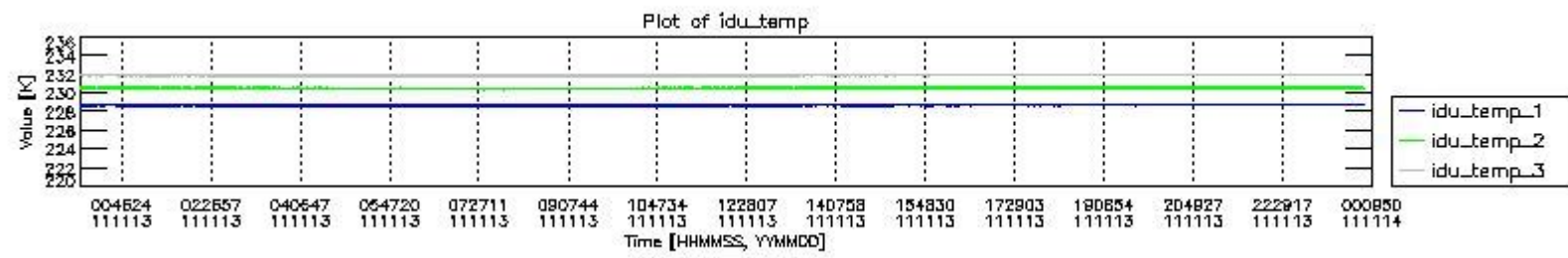
124803	2960	7.0973001
126787	1	0.0023977365
127794	1	0.0023977365
136363	1	0.0023977365
146919	1	0.0023977365
148906	1	0.0023977365



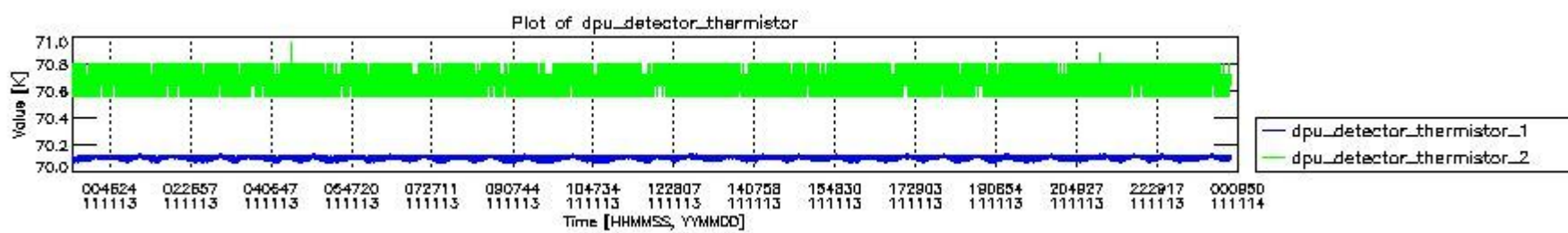
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111113\_0.PNG



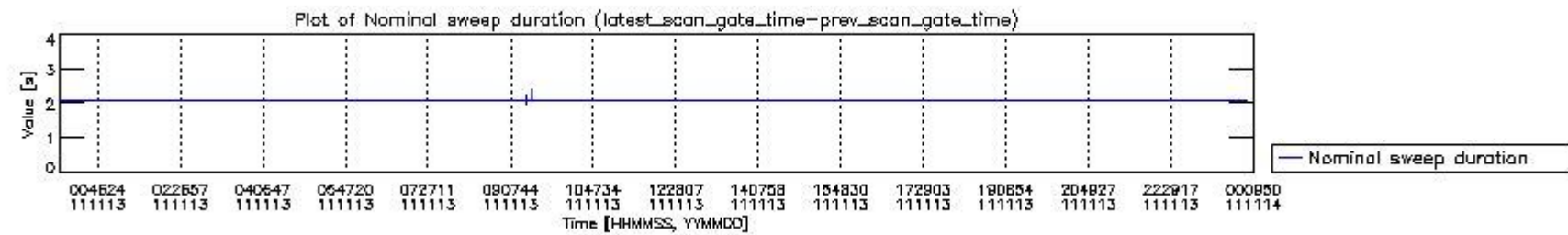
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111113\_1.PNG



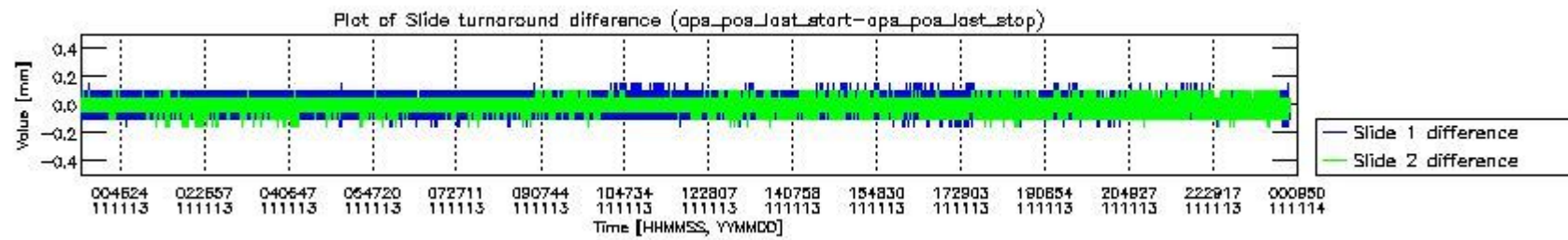
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111113\_2.PNG



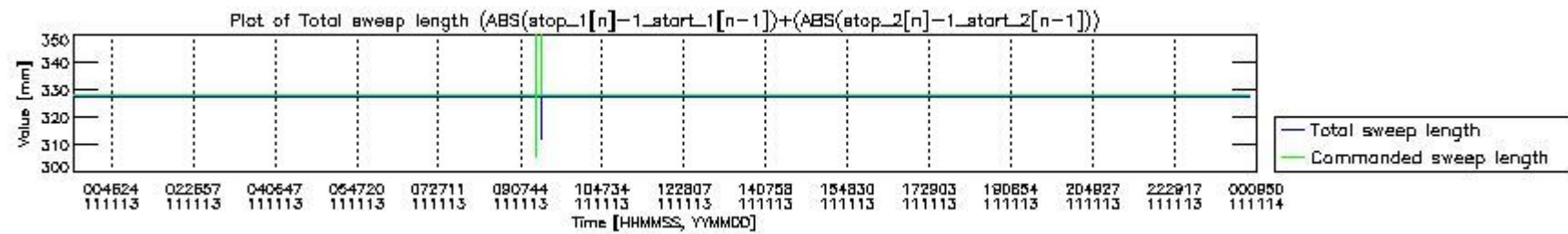
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111113\_3.PNG



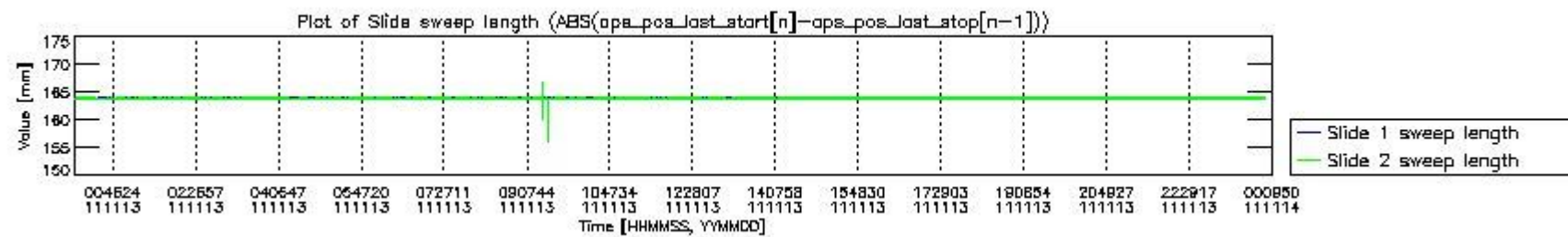
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111113\_4.PNG



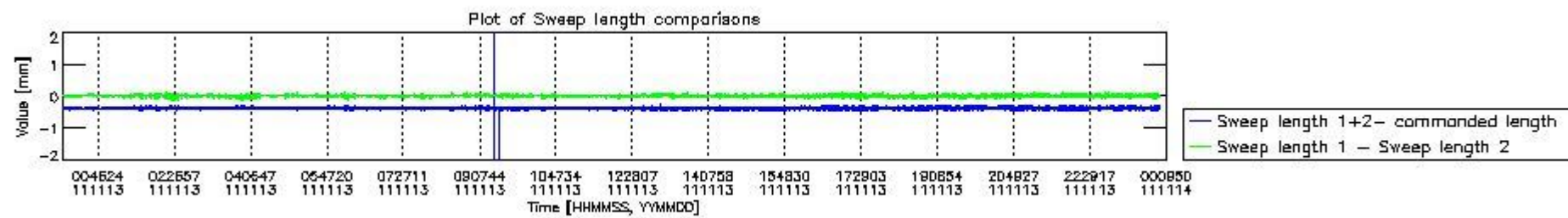
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111113\_5.PNG



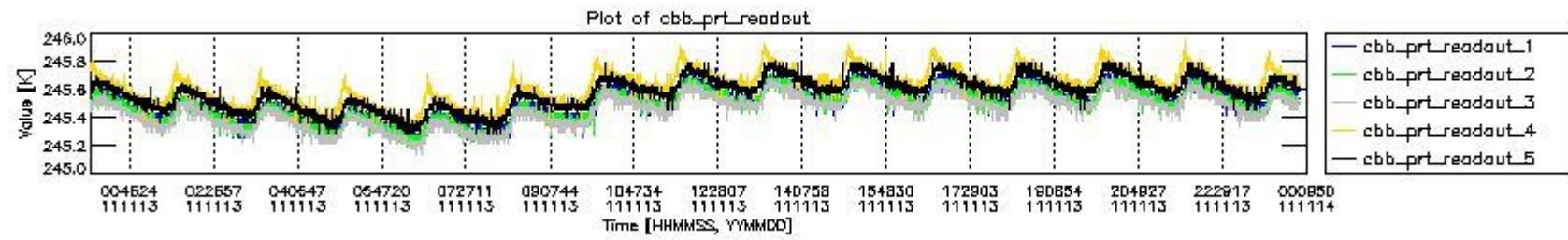
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111113\_6.PNG



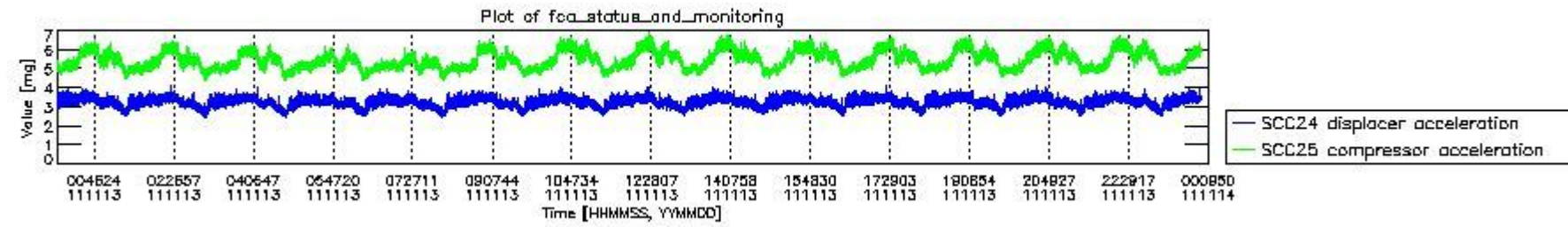
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111113\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111113\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111113\_9.PNG

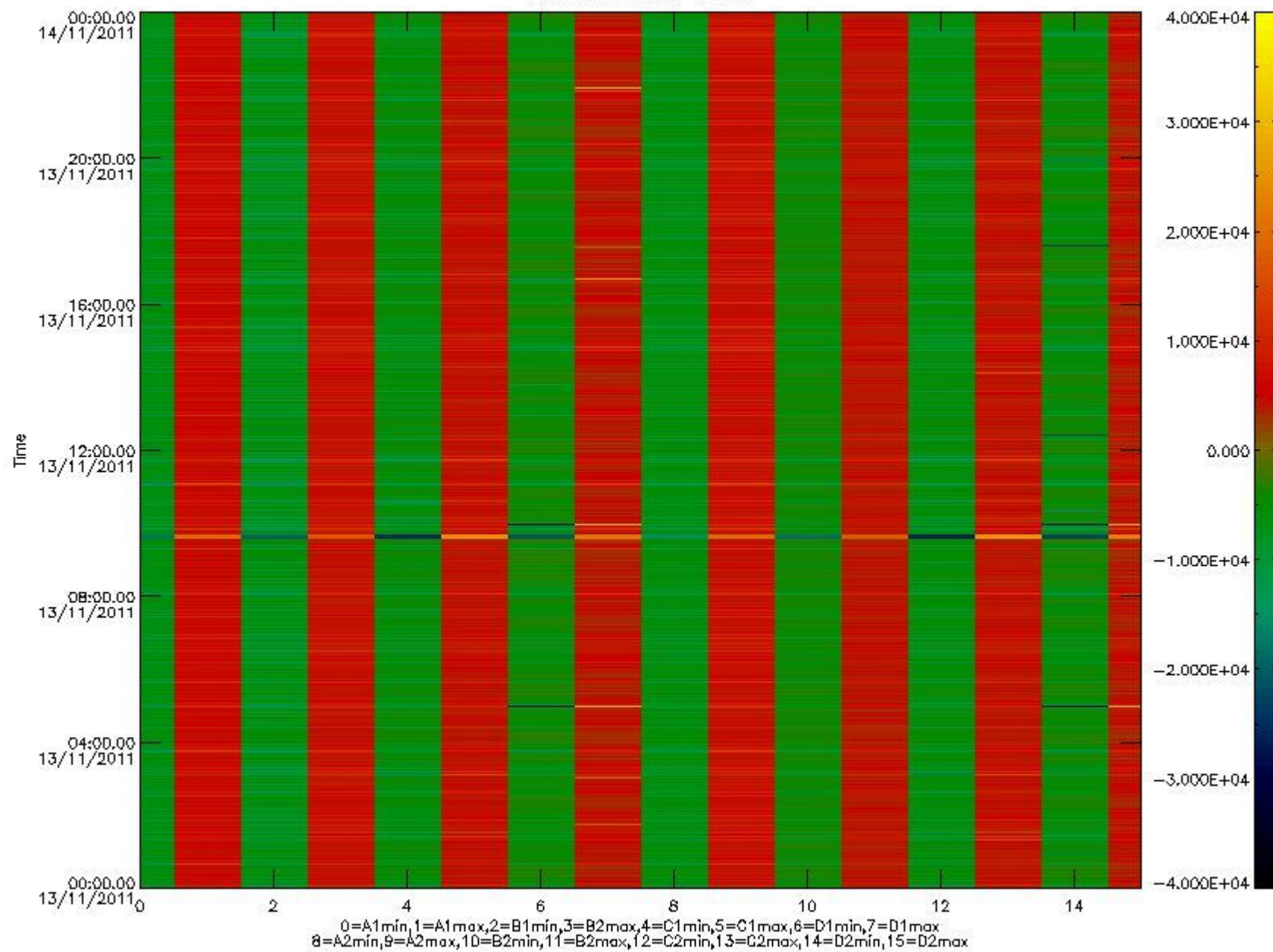


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111113\_10.PNG

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

Channel	Min	Max	ADC
A1	-18485	19595	16bit
B1	-20830	17879	16bit
C1	-25716	25592	16bit
D1	-32768	32767	16bit
A2	-16006	19800	16bit
B2	-18834	18454	16bit
C2	-26721	26846	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\_20111113\_11.PNG

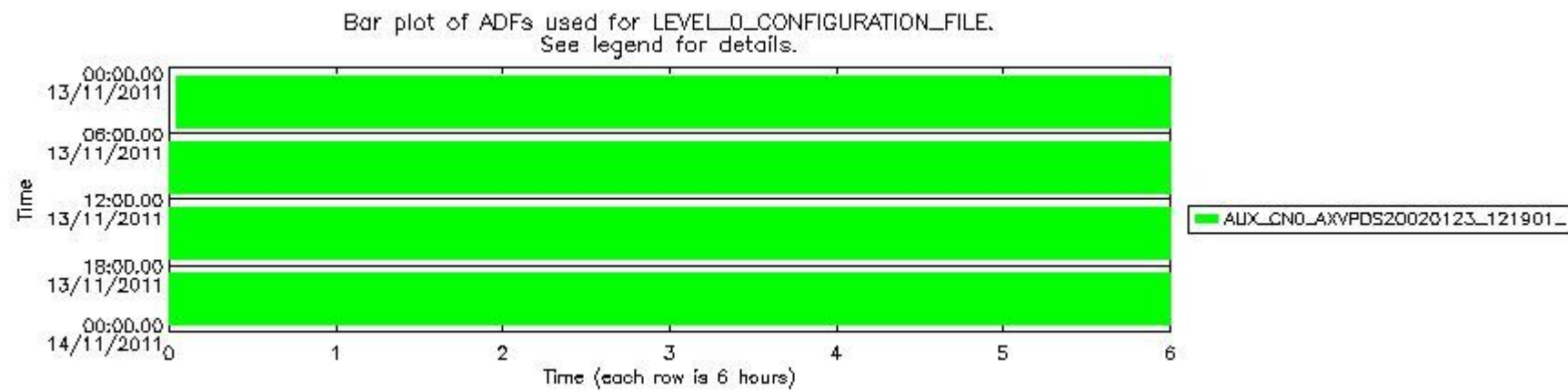
### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

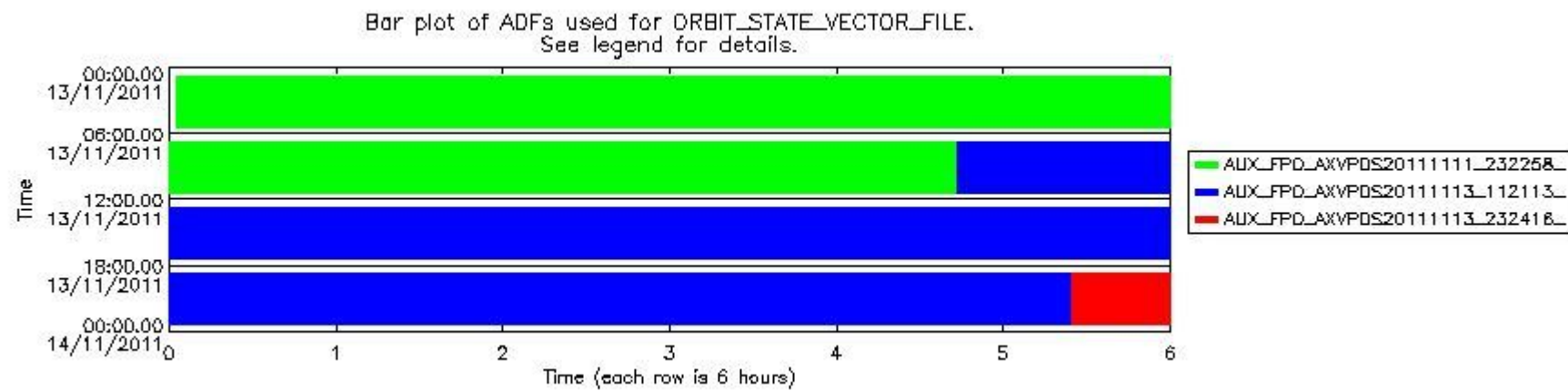
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111111_232258_20111111_195031_20111121_202359
2	AUX_FPO_AXVPDS20111113_112113_20111112_191347_20111122_212729
3	AUX_FPO_AXVPDS20111113_232416_20111113_183702_20111123_205044

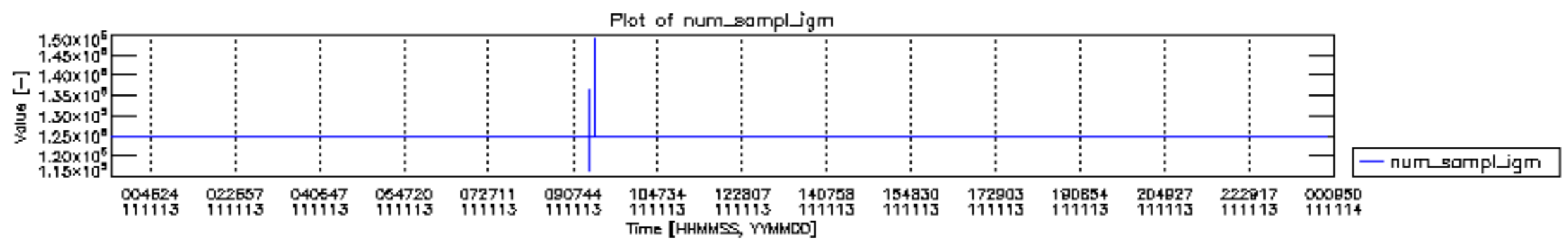
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20111113_000253_000058973108_00303_50748_4821.N1	0	1
1	MIP_NL__0PNPDE20111113_014014_000044523108_00304_50749_4822.N1	0	1
2	MIP_NL__0PNPDE20111113_025352_000061793108_00305_50750_4823.N1	0	1
3	MIP_NL__0PNPDE20111113_043618_000060273108_00306_50751_4824.N1	0	1
4	MIP_NL__0PNPDK20111113_061612_000040403108_00307_50752_7509.N1	0	1
5	MIP_NL__0PNPDK20111113_072232_000061843108_00308_50753_7510.N1	0	1
6	MIP_NL__0PNPDK20111113_090410_000060723108_00309_50754_7511.N1	0	1
7	MIP_NL__0PNPDK20111113_104343_000060103108_00310_50755_7512.N1	0	2
8	MIP_NL__0PNPDK20111113_122215_000059373108_00311_50756_7513.N1	0	2
9	MIP_NL__0PNPDK20111113_135934_000060503108_00312_50757_7514.N1	0	2
10	MIP_NL__0PNPDK20111113_153925_000057663108_00313_50758_7515.N1	0	2
11	MIP_NL__0PNPDK20111113_171428_000060853108_00314_50759_7516.N1	0	2
12	MIP_NL__0PNPDK20111113_185453_000060103108_00315_50760_7517.N1	0	2
13	MIP_NL__0PNPDE20111113_203300_000043893108_00316_50761_4825.N1	0	2
14	MIP_NL__0PNPDE20111113_214500_000060523108_00316_50761_4826.N1	0	2
15	MIP_NL__0PNPDE20111113_232447_000060903108_00317_50762_4827.N1	0	3

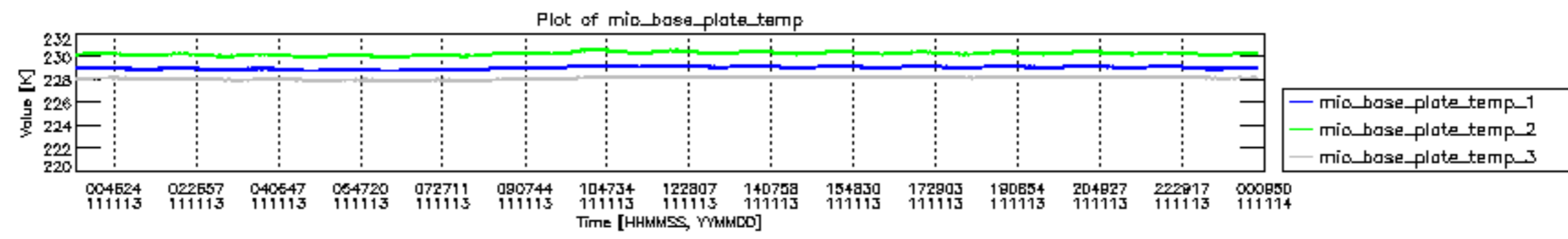


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111113\_12.PNG

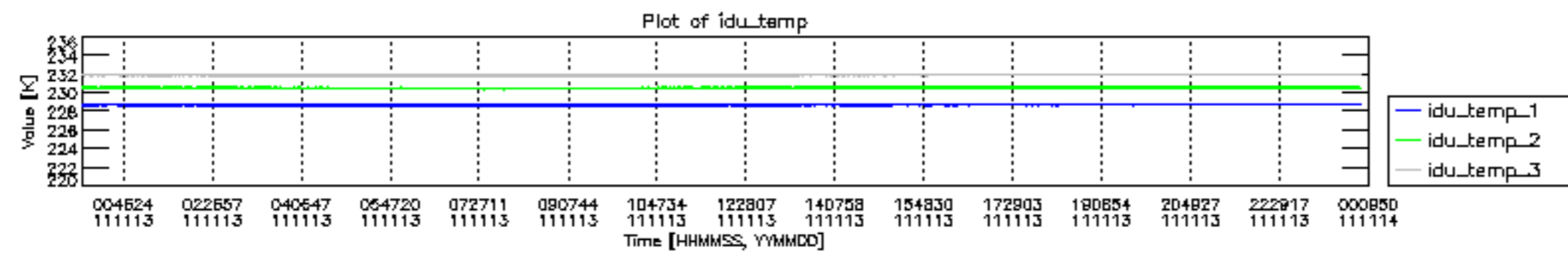


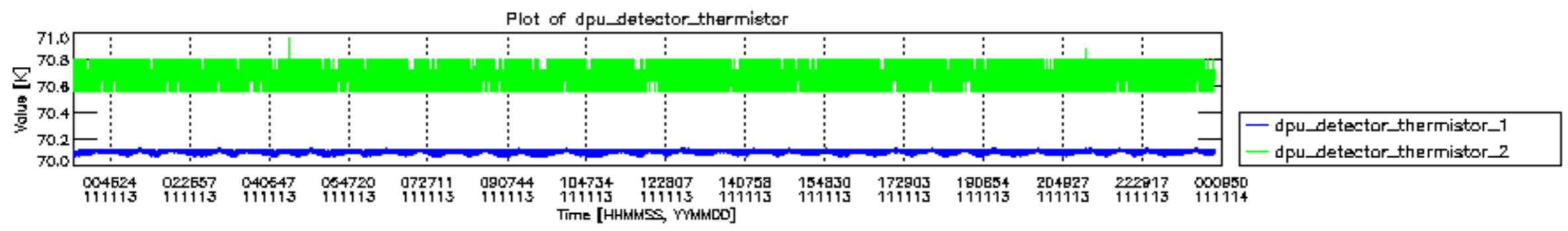
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111113\_13.PNG

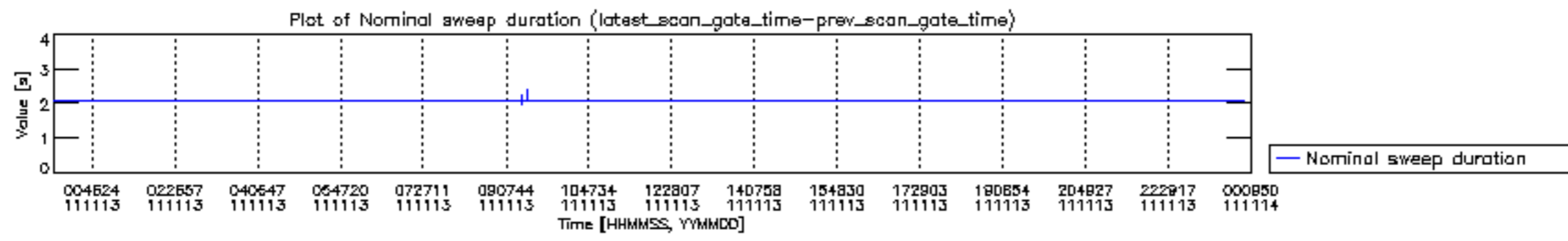




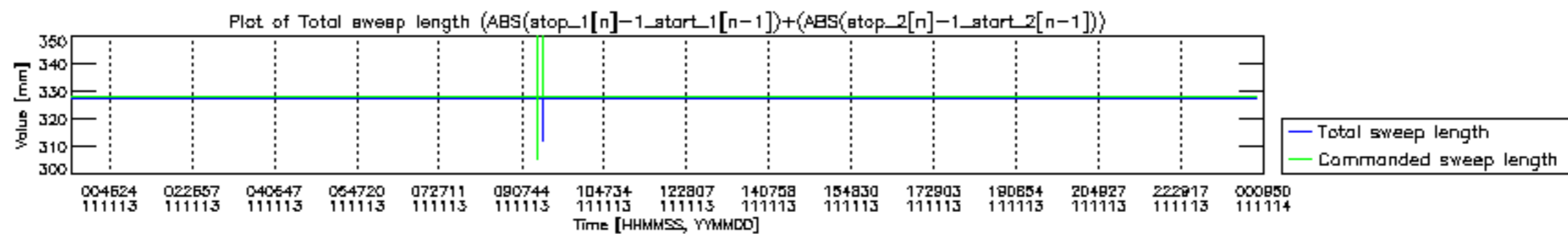


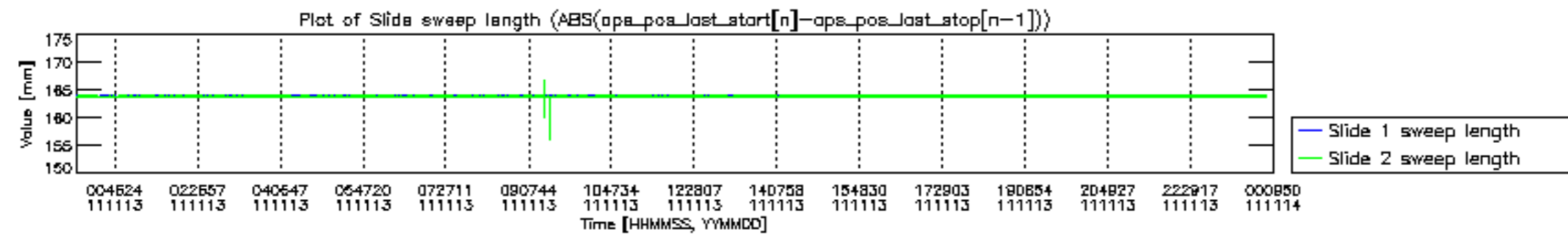


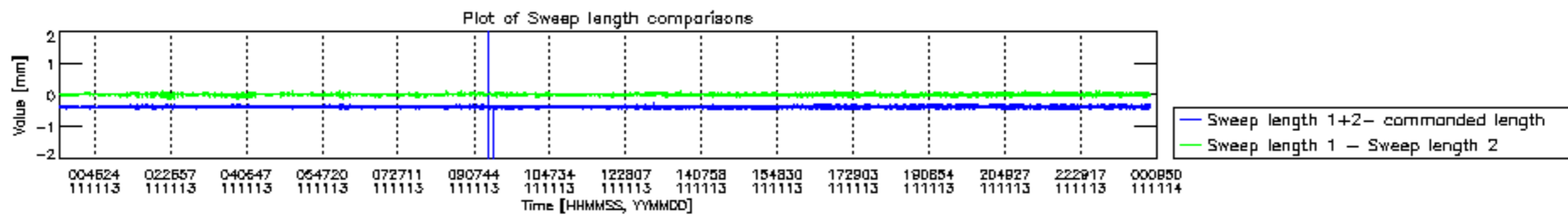


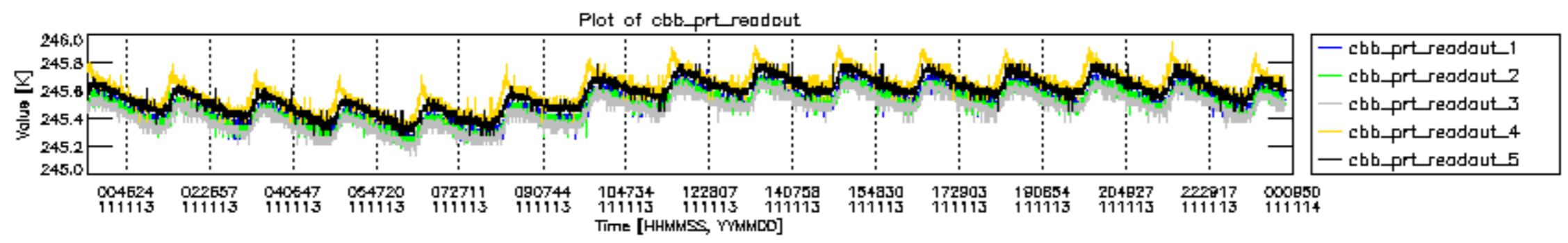




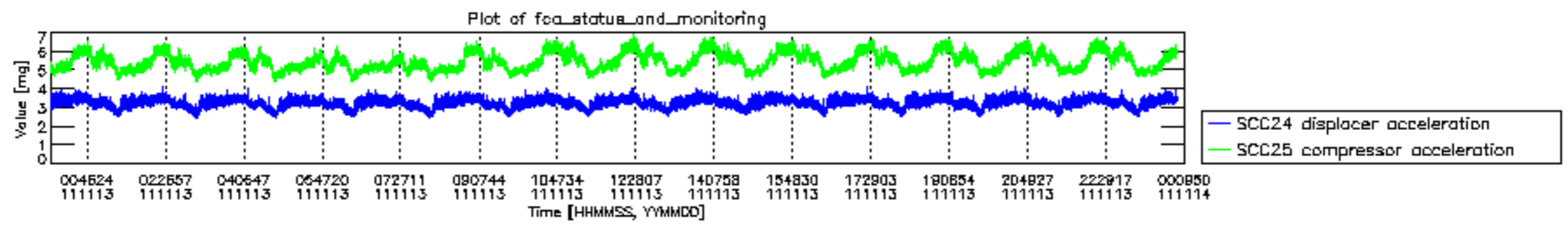




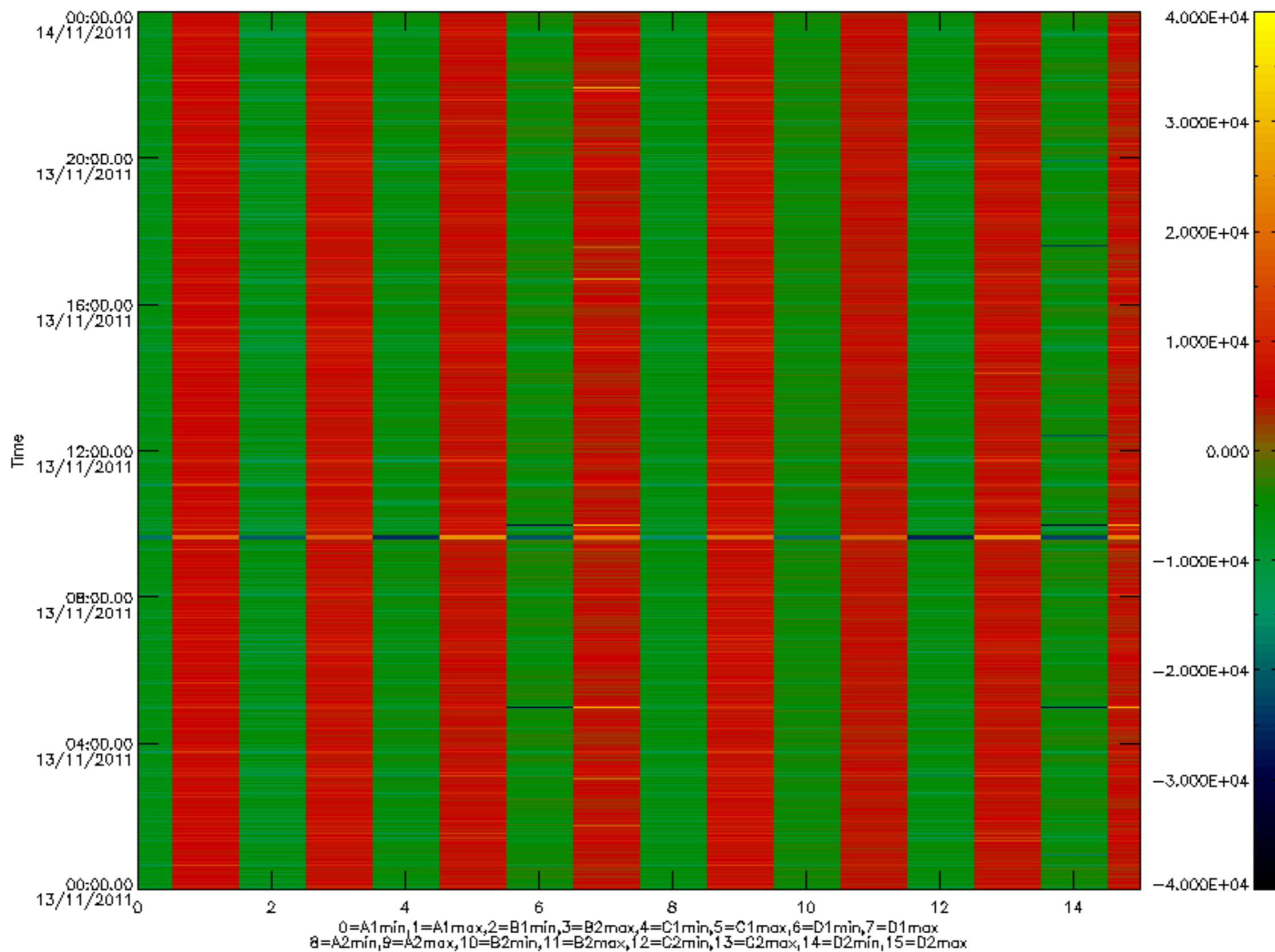


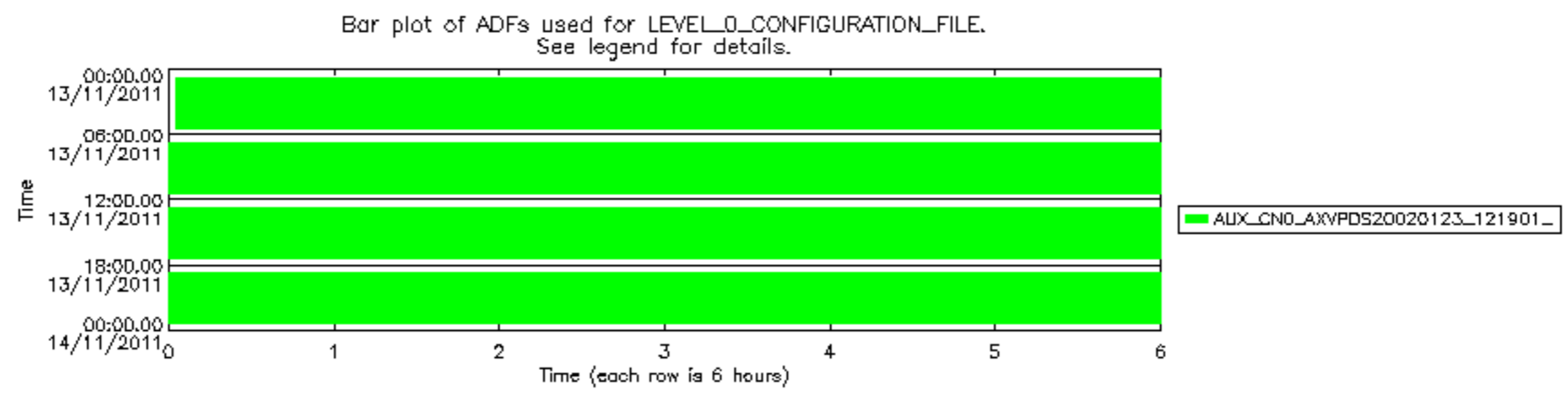






MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.





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

