

## 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	11DEC2011 05:24:51
Data source version	KSPT_L0/4504-N
Processing scope for products	06DEC2011 00:00:00 to 07DEC2011 00:00:00
Start time of first product within scope	06DEC2011 00:59:38
Stop time of last product within scope	07DEC2011 00:22:38
Total number of level 0 products	14
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__0PNPDE20111206_005938_000102173109_00203_51079_0355.N1	06DEC2011 00:59:38	06DEC2011 03:49:56	0	0	0	0	0
1	MIP_NL__0PNPDE20111206_034922_000062613109_00205_51081_0356.N1	06DEC2011 03:49:22	06DEC2011 05:33:43	0	0	0	0	0
2	MIP_NL__0PNPDE20111206_053310_000060253109_00206_51082_0357.N1	06DEC2011 05:33:10	06DEC2011 07:13:34	0	0	0	0	0
3	MIP_NL__0PNPDK20111206_071301_000040553109_00207_51083_7719.N1	06DEC2011 07:13:01	06DEC2011 08:20:36	0	0	0	0	0
4	MIP_NL__0PNPDK20111206_081937_000060193109_00208_51084_7720.N1	06DEC2011 08:19:37	06DEC2011 09:59:56	0	0	0	0	0
5	MIP_NL__0PNPDK20111206_095814_000061293109_00209_51085_7721.N1	06DEC2011 09:58:14	06DEC2011 11:40:23	0	0	0	0	0
6	MIP_NL__0PNPDK20111206_113843_000060673109_00210_51086_7722.N1	06DEC2011 11:38:43	06DEC2011 13:19:49	0	0	0	0	0
7	MIP_NL__0PNPDK20111206_131851_000058743109_00211_51087_7723.N1	06DEC2011 13:18:51	06DEC2011 14:56:45	0	0	0	0	0
8	MIP_NL__0PNPDK20111206_145559_000059433109_00212_51088_7724.N1	06DEC2011 14:55:59	06DEC2011 16:35:02	0	0	0	0	0
9	MIP_NL__0PNPDK20111206_163402_000058663109_00213_51089_7725.N1	06DEC2011 16:34:02	06DEC2011 18:11:48	0	0	0	0	0
10	MIP_NL__0PNPDK20111206_181041_000060713109_00214_51090_7726.N1	06DEC2011 18:10:41	06DEC2011 19:51:52	0	0	0	0	0
11	MIP_NL__0PNPDE20111206_194942_000041303109_00215_51091_0358.N1	06DEC2011 19:49:42	06DEC2011 20:58:32	0	0	0	0	0
12	MIP_NL__0PNPDE20111206_205734_000063323109_00215_51091_0359.N1	06DEC2011 20:57:34	06DEC2011 22:43:06	0	0	0	0	0
13	MIP_NL__0PNPDE20111206_224128_000060713109_00216_51092_0360.N1	06DEC2011 22:41:28	07DEC2011 00:22:38	0	0	0	0	0

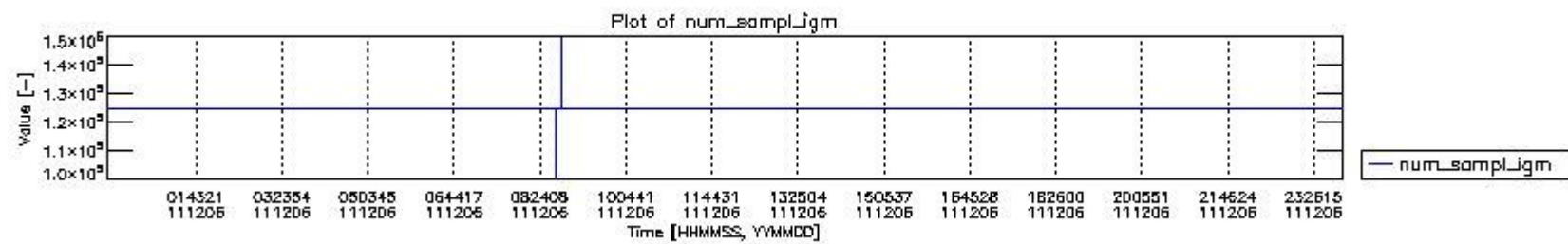
## 0.2 Instrument Operational Performance Parameters

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.

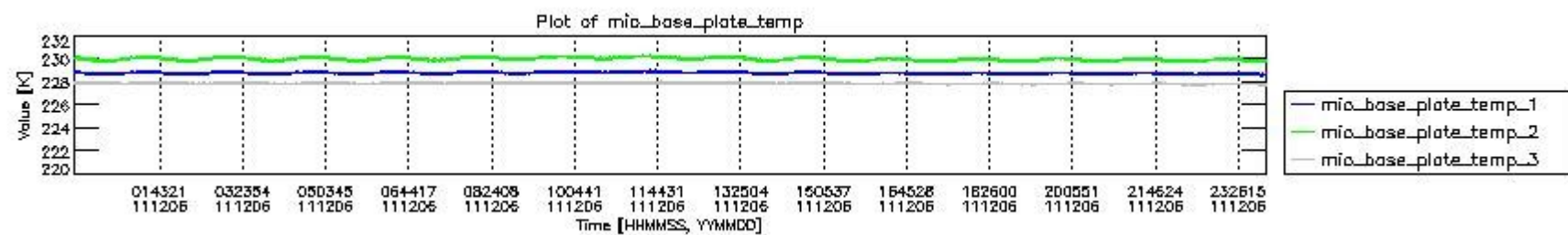
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100138	1	0.0023973342
102403	1	0.0023973342
122535	1	0.0023973342
124800	38737	92.865534

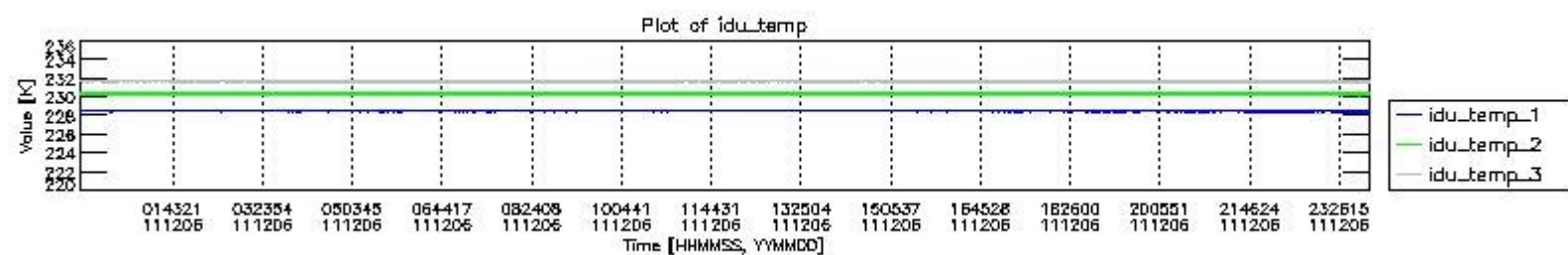
124803	2970	7.1200825
127159	1	0.0023973342
147291	1	0.0023973342
149650	1	0.0023973342



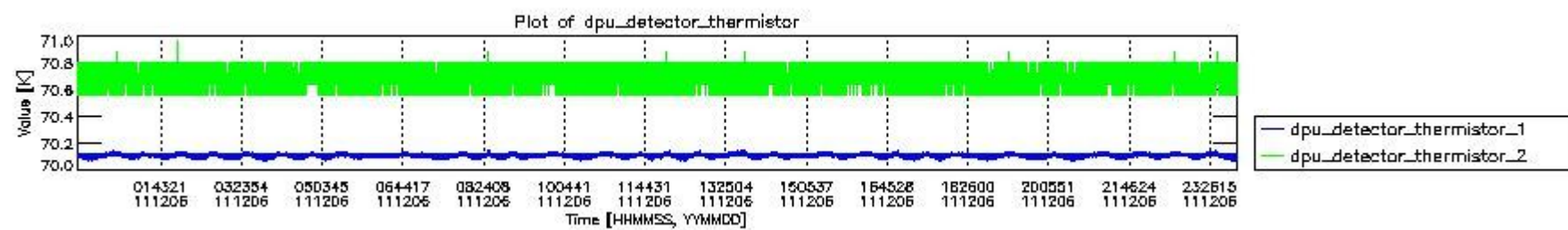
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111206\_0.PNG



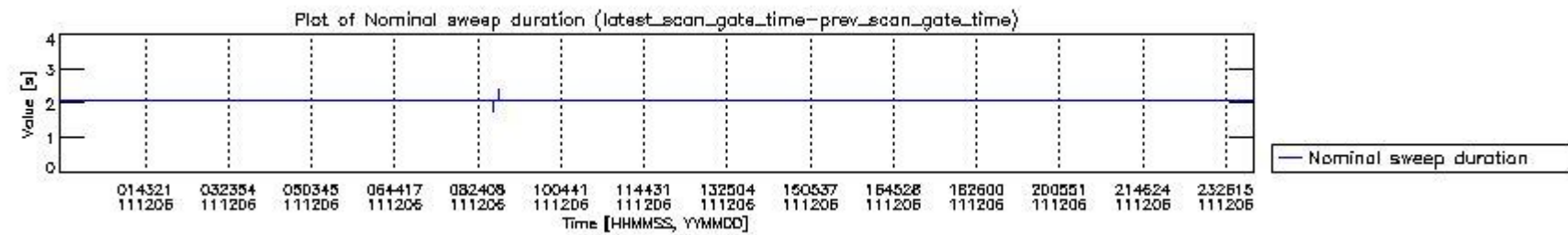
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111206\_1.PNG



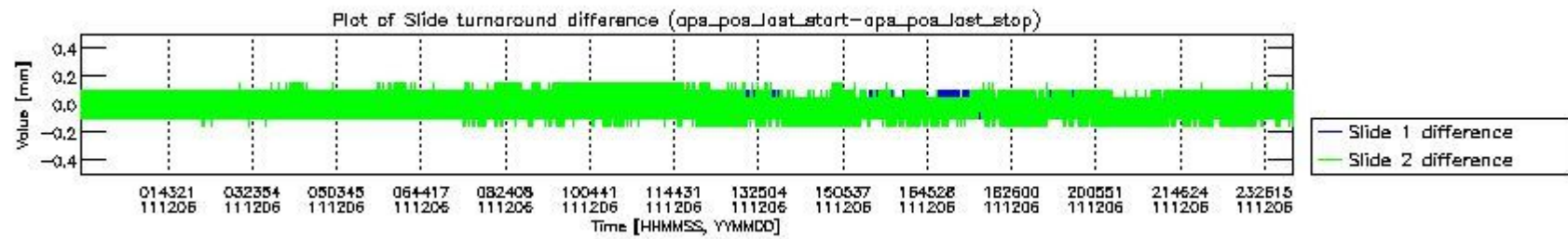
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111206\_2.PNG



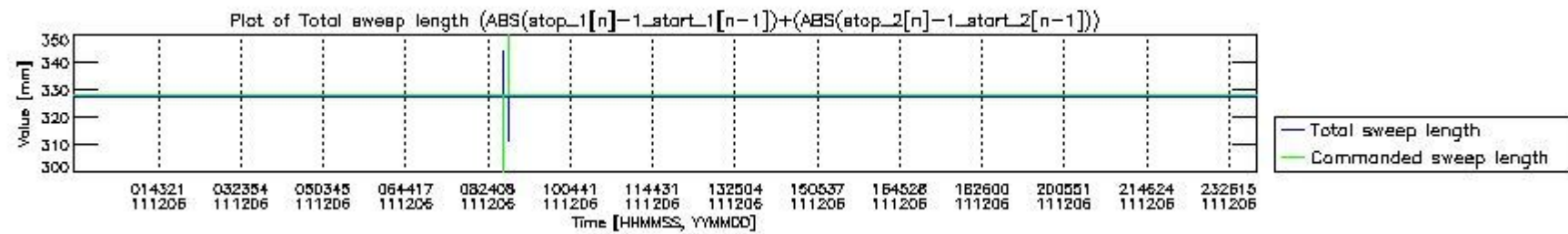
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111206\_3.PNG



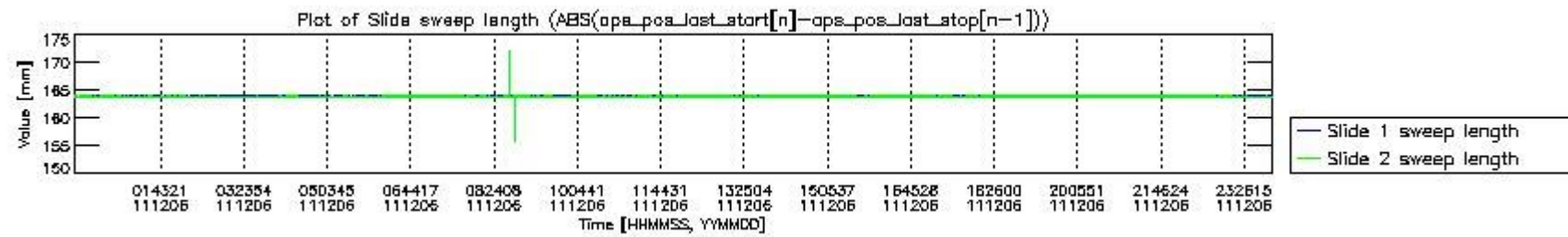
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111206\_4.PNG



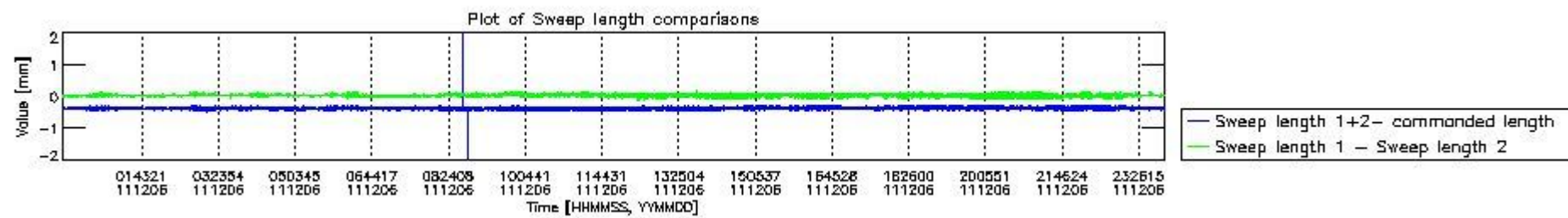
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111206\_5.PNG



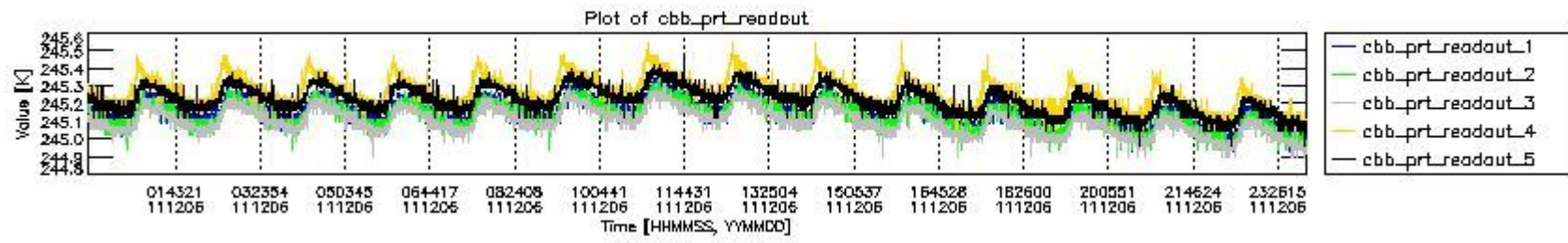
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111206\_6.PNG



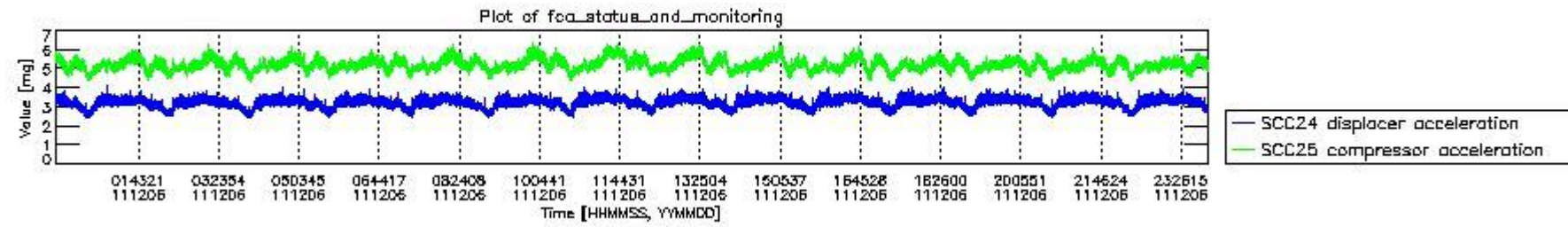
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111206\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111206\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111206\_9.PNG

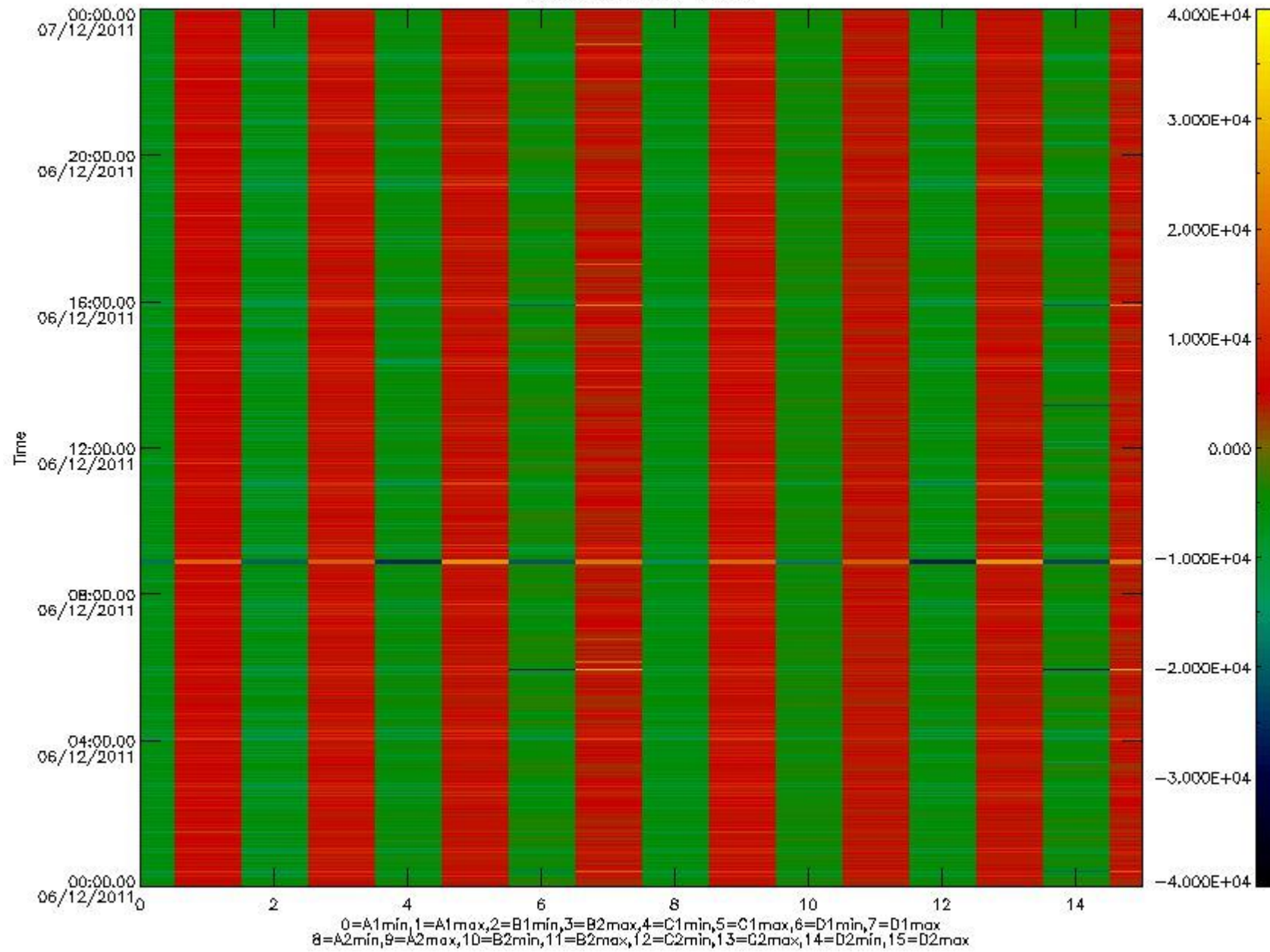


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111206\_10.PNG

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

Channel	Min	Max	ADC
A1	-18320	19388	16bit
B1	-20803	17843	16bit
C1	-25430	25309	16bit
D1	-32768	32767	16bit
A2	-15902	19637	16bit
B2	-18670	18301	16bit
C2	-26430	26034	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\_20111206\_11.PNG

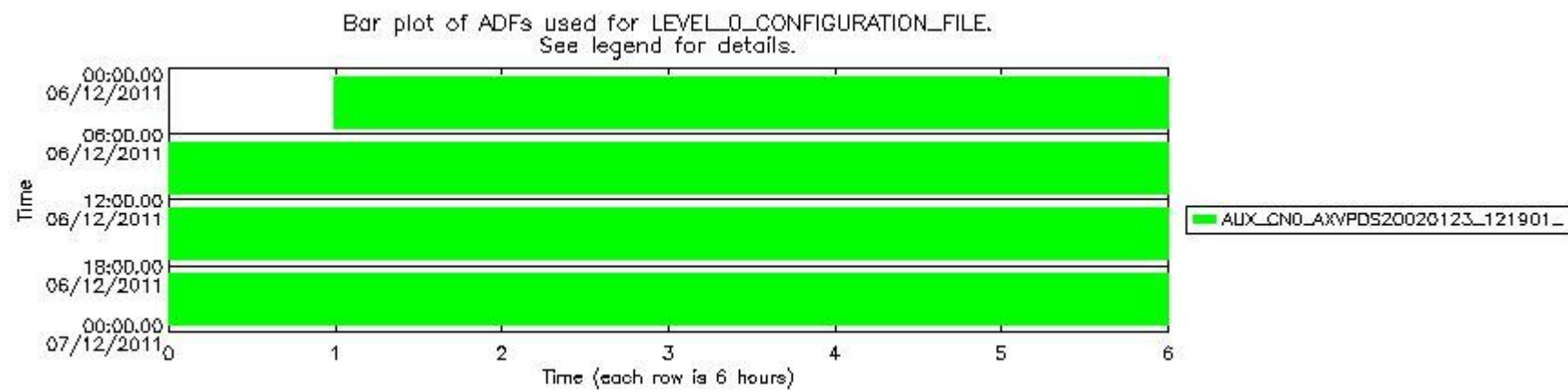
### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

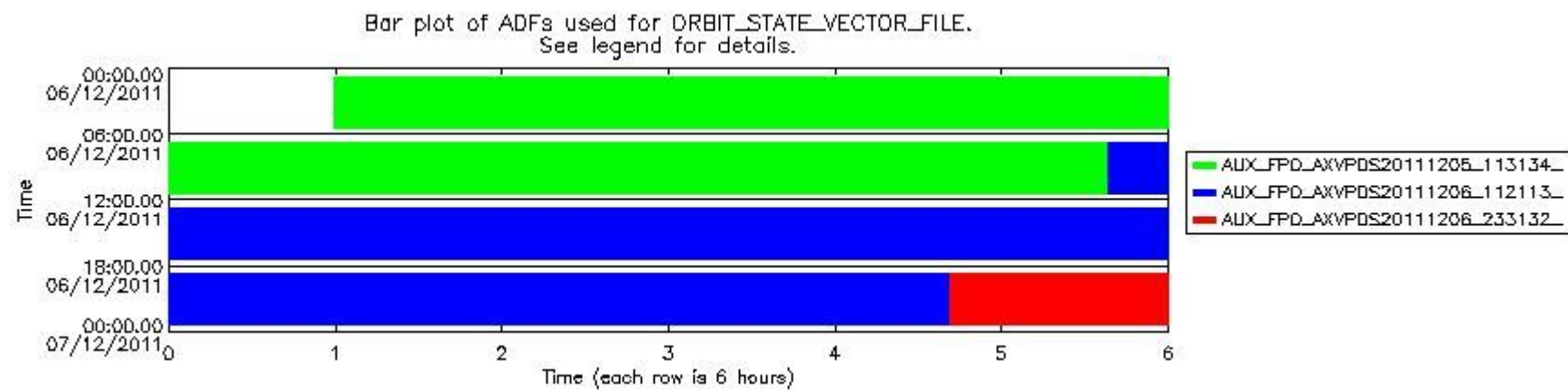
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111205_113134_20111204_190714_20111214_212055
2	AUX_FPO_AXVPDS20111206_112113_20111205_183029_20111215_204410
3	AUX_FPO_AXVPDS20111206_233132_20111206_193358_20111216_200726

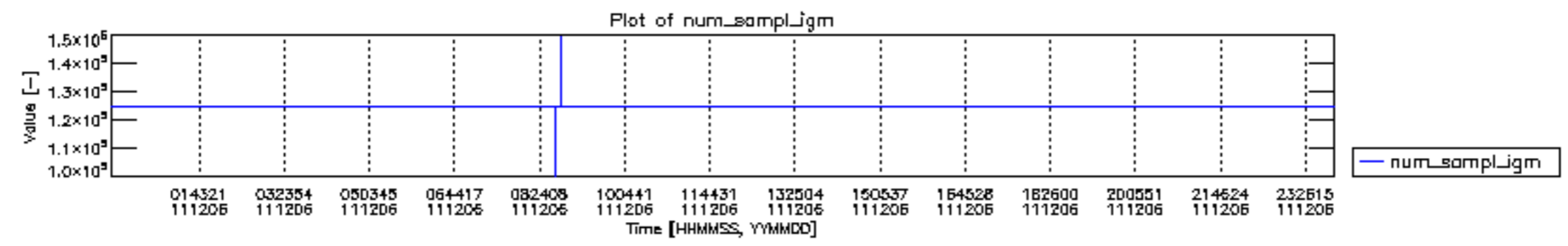
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20111206_005938_000102173109_00203_51079_0355.N1	0	1
1	MIP_NL__0PNPDE20111206_034922_000062613109_00205_51081_0356.N1	0	1
2	MIP_NL__0PNPDE20111206_053310_000060253109_00206_51082_0357.N1	0	1
3	MIP_NL__0PNPDK20111206_071301_000040553109_00207_51083_7719.N1	0	1
4	MIP_NL__0PNPDK20111206_081937_000060193109_00208_51084_7720.N1	0	1
5	MIP_NL__0PNPDK20111206_095814_000061293109_00209_51085_7721.N1	0	1
6	MIP_NL__0PNPDK20111206_113843_000060673109_00210_51086_7722.N1	0	2
7	MIP_NL__0PNPDK20111206_131851_000058743109_00211_51087_7723.N1	0	2
8	MIP_NL__0PNPDK20111206_145559_000059433109_00212_51088_7724.N1	0	2
9	MIP_NL__0PNPDK20111206_163402_000058663109_00213_51089_7725.N1	0	2
10	MIP_NL__0PNPDK20111206_181041_000060713109_00214_51090_7726.N1	0	2
11	MIP_NL__0PNPDE20111206_194942_000041303109_00215_51091_0358.N1	0	2
12	MIP_NL__0PNPDE20111206_205734_000063323109_00215_51091_0359.N1	0	2
13	MIP_NL__0PNPDE20111206_224128_000060713109_00216_51092_0360.N1	0	3

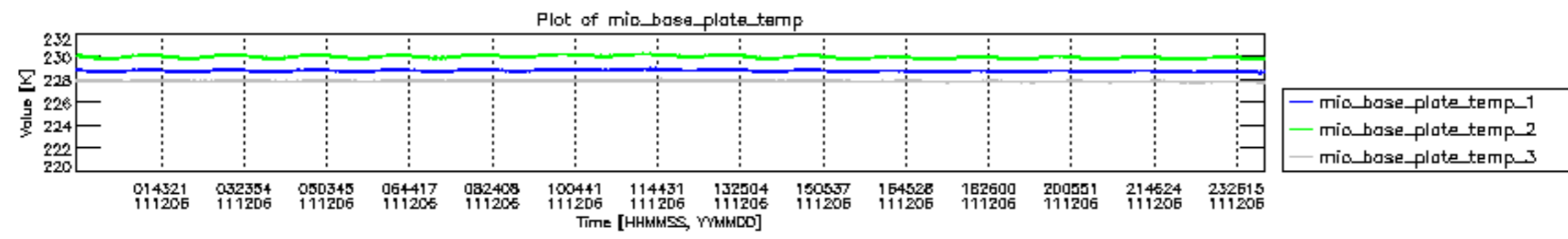


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111206\_12.PNG

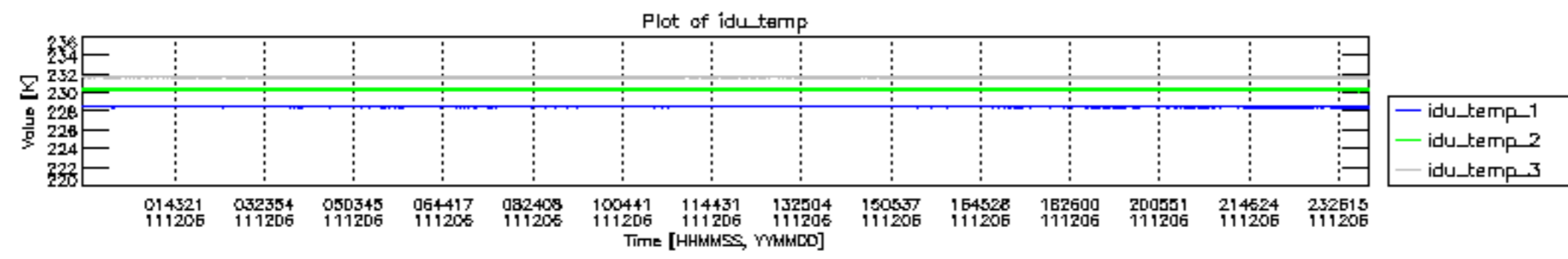


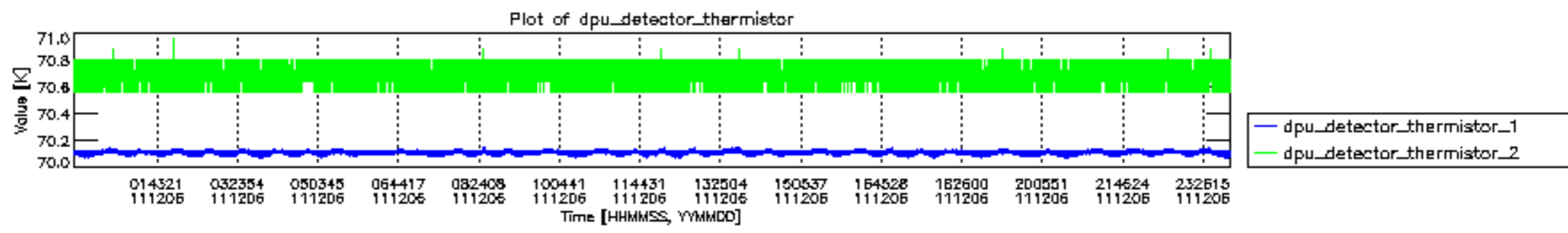
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111206\_13.PNG

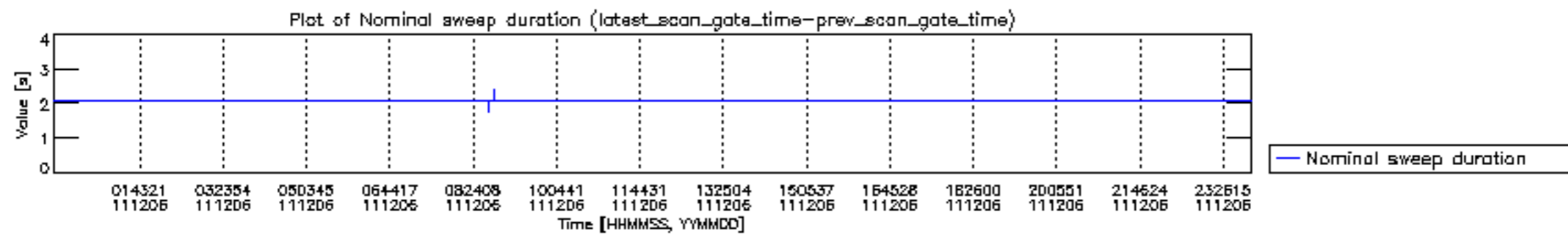


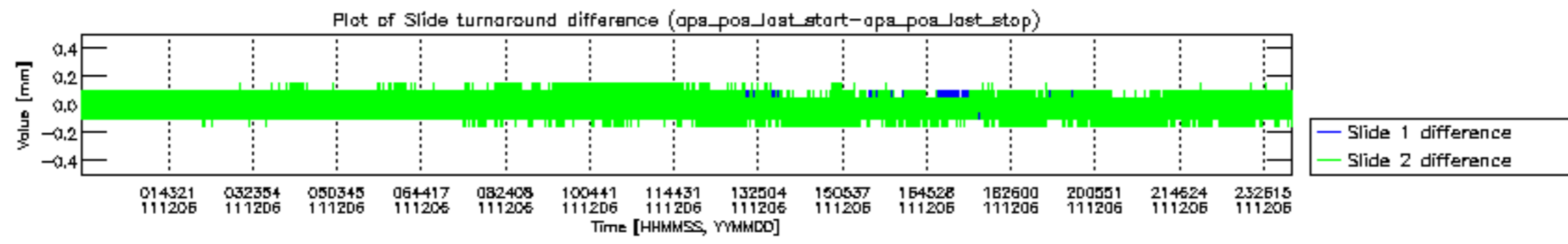


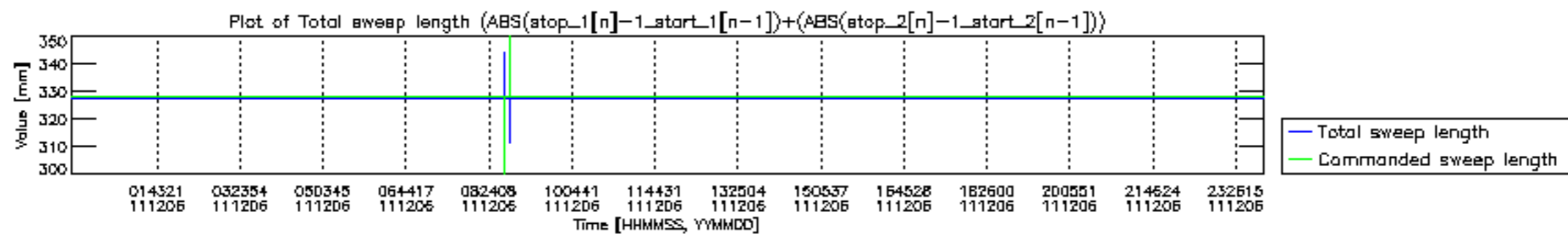


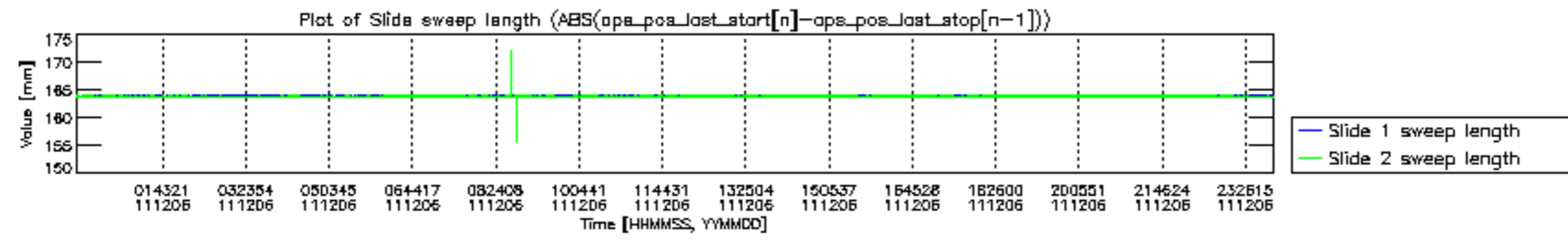


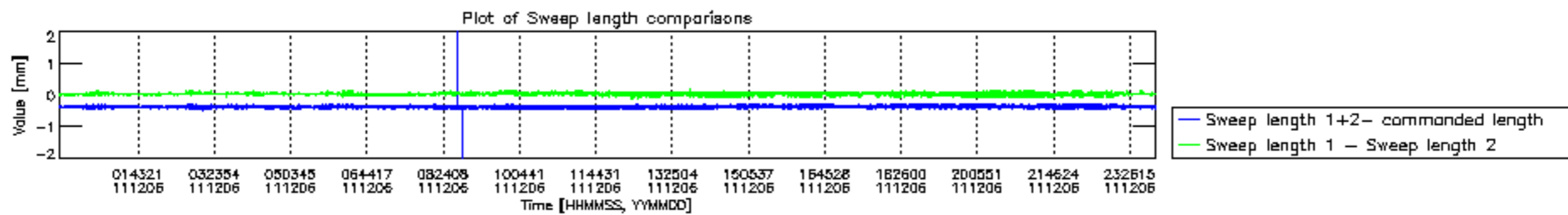


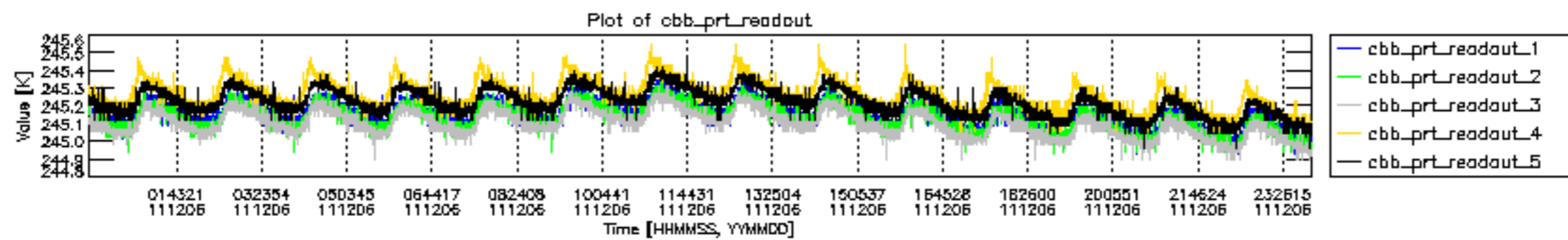




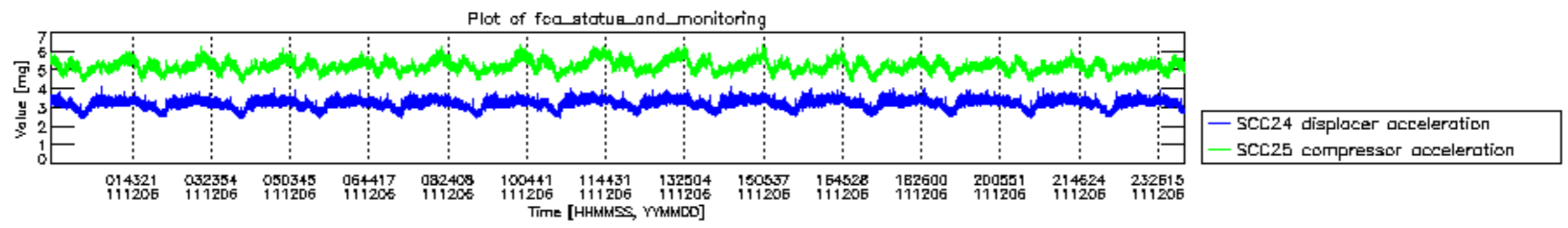




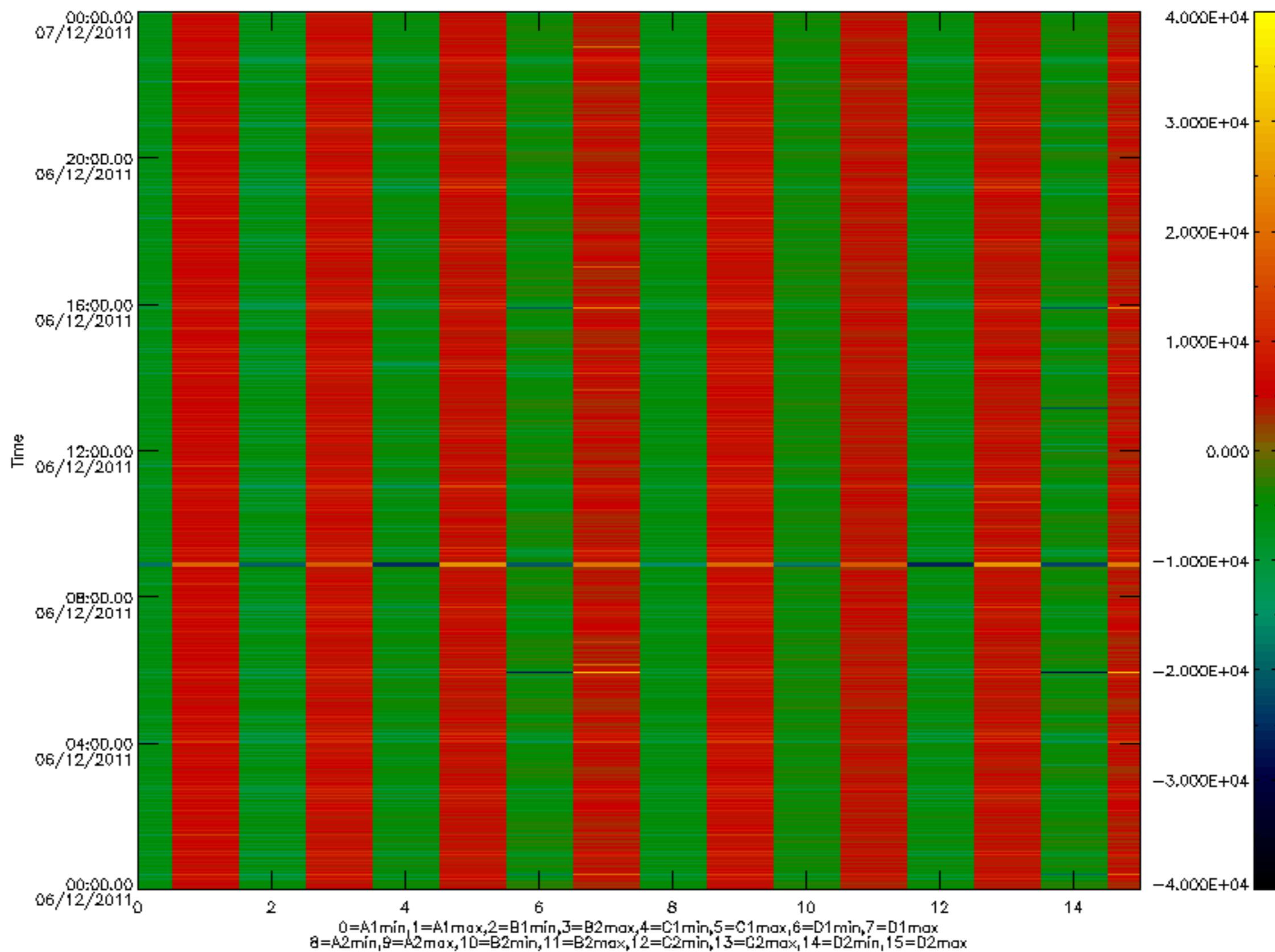


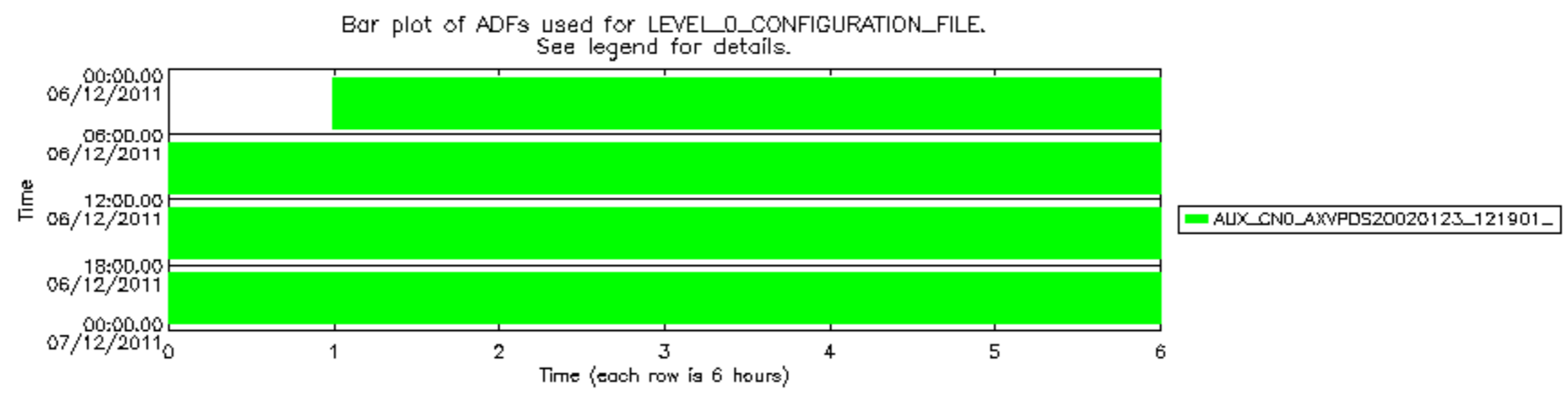






MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.





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

