

## 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	27DEC2011 05:24:17
Data source version	KSPT_L0/4504-N
Processing scope for products	22DEC2011 00:00:00 to 23DEC2011 00:00:00
Start time of first product within scope	22DEC2011 01:12:18
Stop time of last product within scope	23DEC2011 00:37:35
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__0PNPDE20111222_011218_000102993110_00002_51309_5188.N1	22DEC2011 01:12:18	22DEC2011 04:03:57	0	0	0	0	0
1	MIP_NL__0PNPDE20111222_040324_000062043110_00004_51311_5189.N1	22DEC2011 04:03:24	22DEC2011 05:46:48	0	0	0	0	0
2	MIP_NL__0PNPDE20111222_054615_000023563110_00005_51312_5190.N1	22DEC2011 05:46:15	22DEC2011 06:25:31	0	0	0	0	0
3	MIP_NL__0PNPDK20111222_094610_000017523110_00008_51315_7865.N1	22DEC2011 09:46:10	22DEC2011 10:15:22	0	0	0	0	0
4	MIP_NL__0PNPDK20111222_101336_000059363110_00008_51315_7866.N1	22DEC2011 10:13:36	22DEC2011 11:52:32	0	0	0	0	0
5	MIP_NL__0PNPDK20111222_115125_000060333110_00009_51316_7867.N1	22DEC2011 11:51:25	22DEC2011 13:31:58	0	0	0	0	0
6	MIP_NL__0PNPDK20111222_133059_000059723110_00010_51317_7868.N1	22DEC2011 13:30:59	22DEC2011 15:10:32	0	0	0	0	0
7	MIP_NL__0PNPDK20111222_150946_000058683110_00011_51318_7869.N1	22DEC2011 15:09:46	22DEC2011 16:47:34	0	0	0	0	0
8	MIP_NL__0PNPDK20111222_164633_000059983110_00012_51319_7870.N1	22DEC2011 16:46:33	22DEC2011 18:26:31	0	0	0	0	0
9	MIP_NL__0PNPDK20111222_182530_000059983110_00013_51320_7871.N1	22DEC2011 18:25:30	22DEC2011 20:05:28	0	0	0	0	0
10	MIP_NL__0PNPDE20111222_200320_000040423110_00014_51321_5191.N1	22DEC2011 20:03:20	22DEC2011 21:10:42	0	0	0	0	0
11	MIP_NL__0PNPDE20111222_210906_000064863110_00014_51321_5192.N1	22DEC2011 21:09:06	22DEC2011 22:57:13	0	0	0	0	0
12	MIP_NL__0PNPDE20111222_225610_000060853110_00015_51322_5193.N1	22DEC2011 22:56:10	23DEC2011 00:37:35	0	0	0	0	0

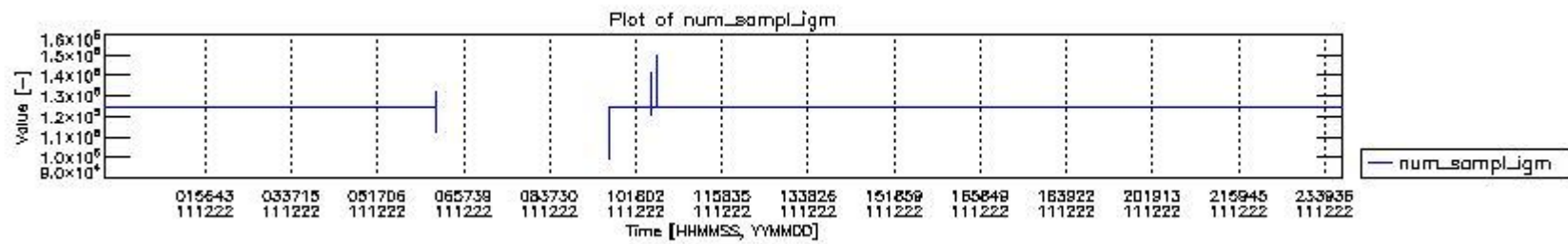
## 0.2 Instrument Operational Performance Parameters

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.

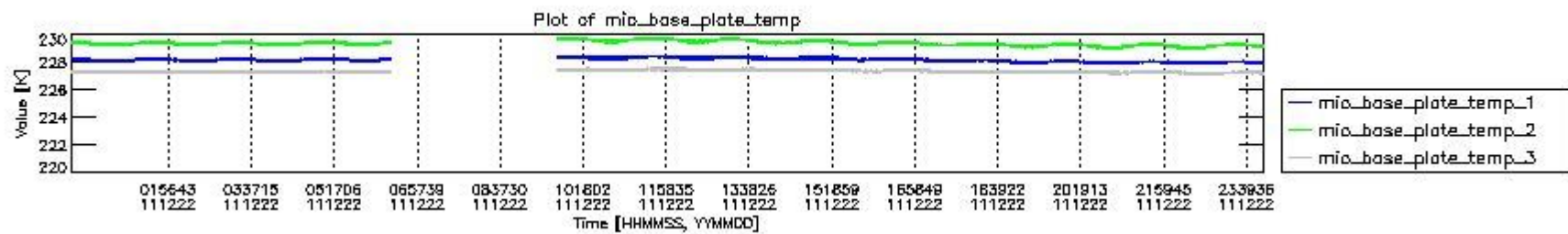
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
99070	1	0.0027838869
111993	1	0.0027838869
119318	1	0.0027838869
120989	1	0.0027838869
123844	1	0.0027838869

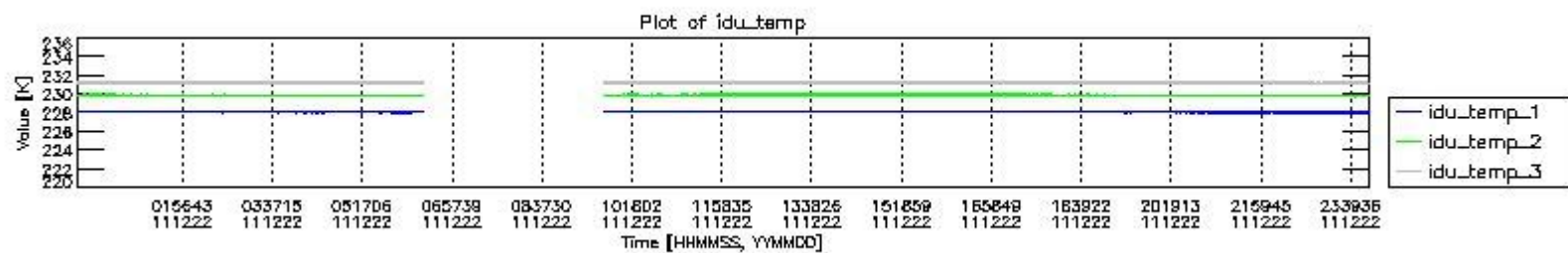
124322	1	0.0027838869
124800	33359	92.867682
124803	2550	7.0989115
127382	1	0.0027838869
132125	1	0.0027838869
137310	1	0.0027838869
141121	1	0.0027838869
147514	1	0.0027838869
150096	1	0.0027838869



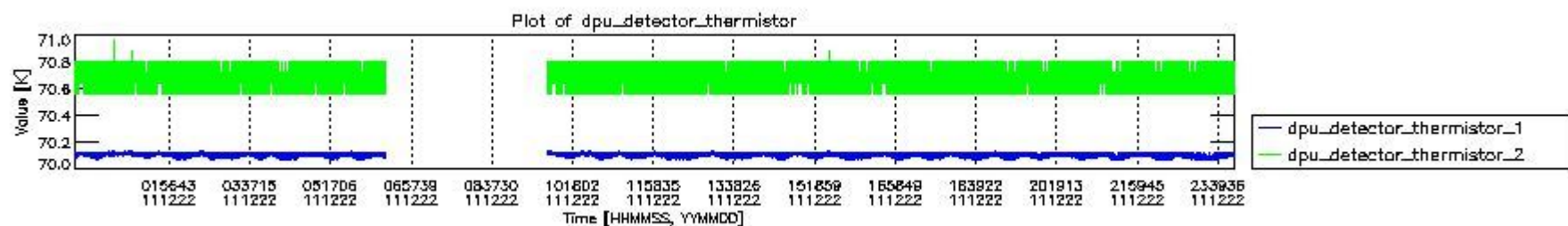
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111222\_0.PNG



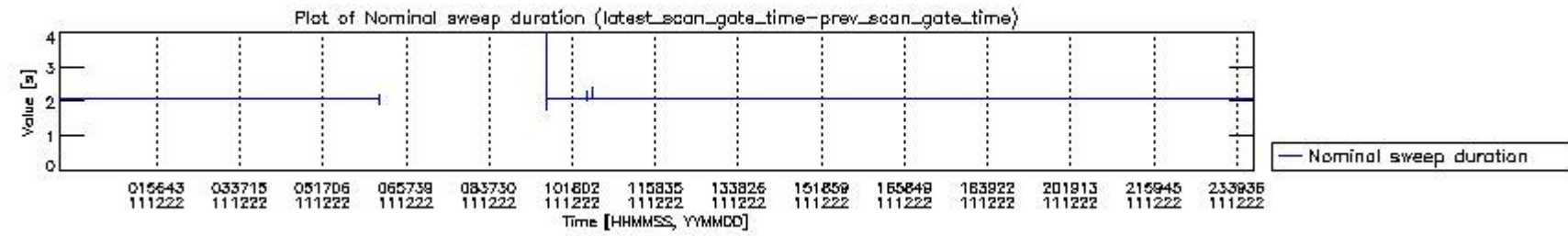
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111222\_1.PNG



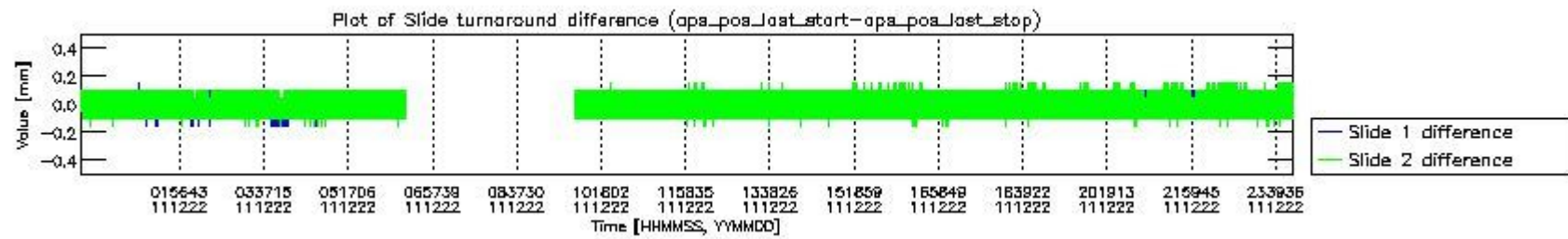
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111222\_2.PNG



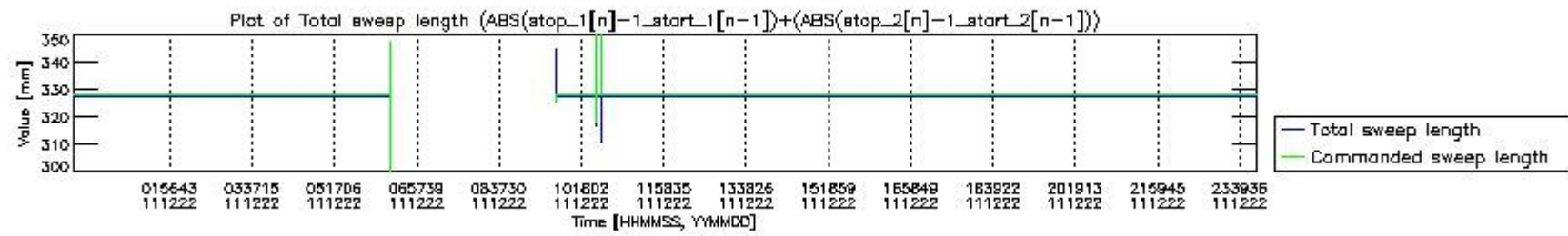
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111222\_3.PNG



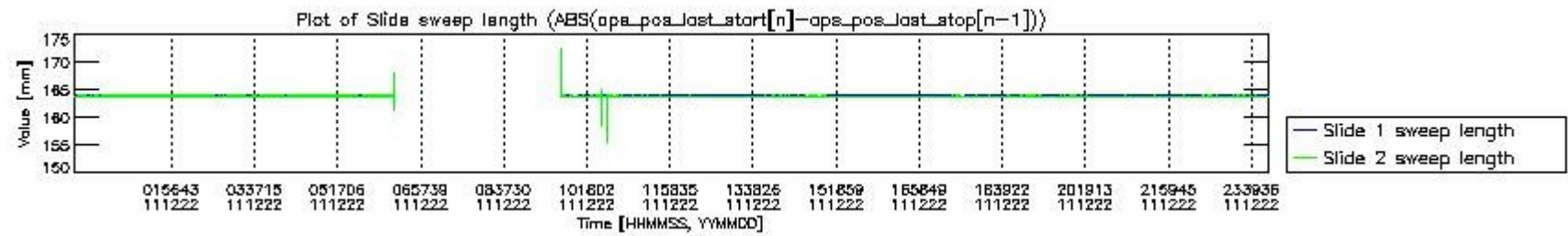
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111222\_4.PNG



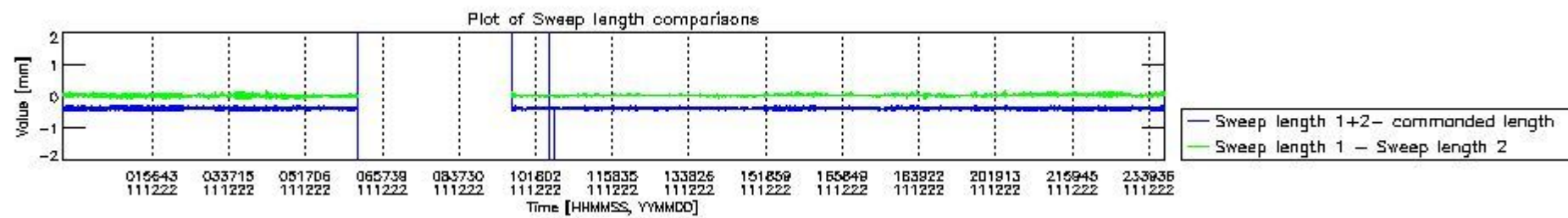
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111222\_5.PNG



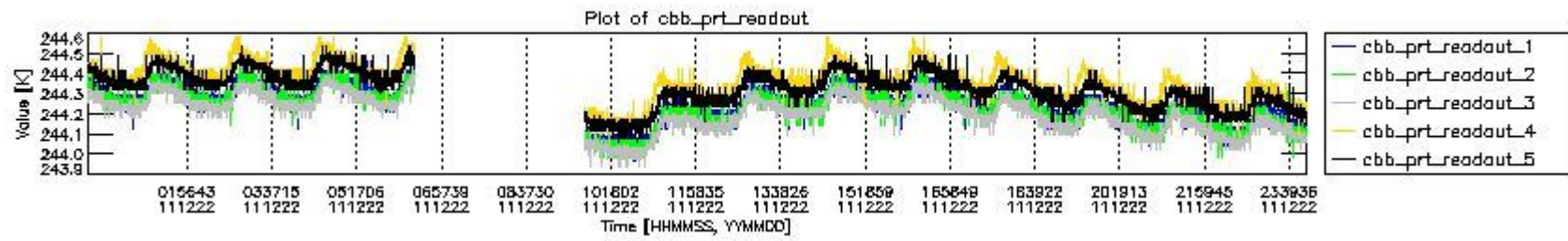
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111222\_6.PNG



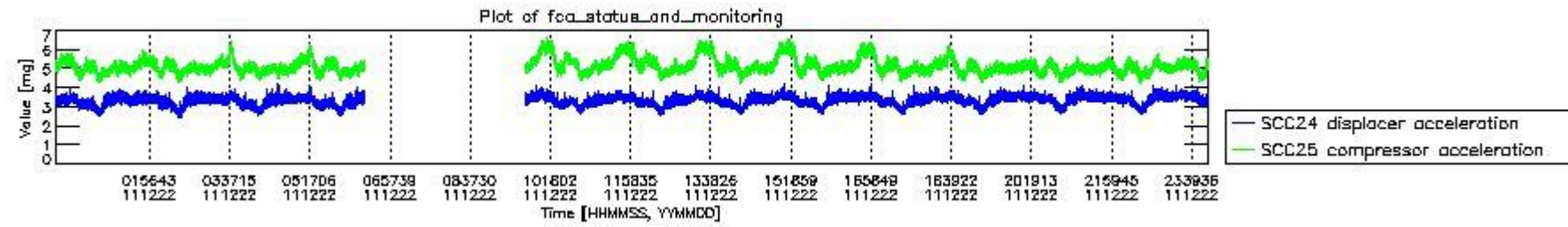
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111222\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111222\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111222\_9.PNG

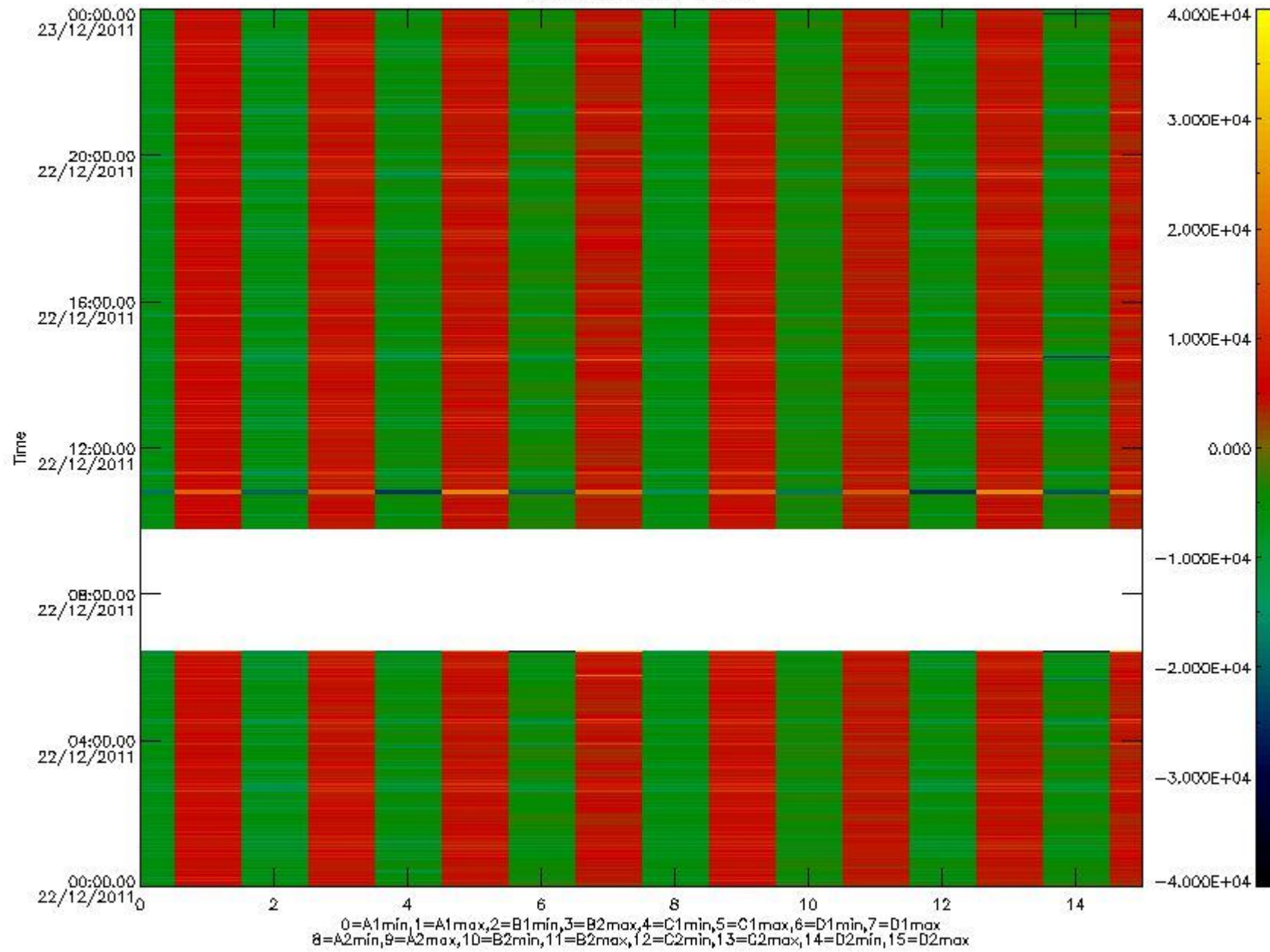


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111222\_10.PNG

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	-24463	24417	16bit
D1	-32768	32767	16bit
A2	-32768	28259	16bit
B2	-32768	32767	16bit
C2	-25459	25095	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\_20111222\_11.PNG

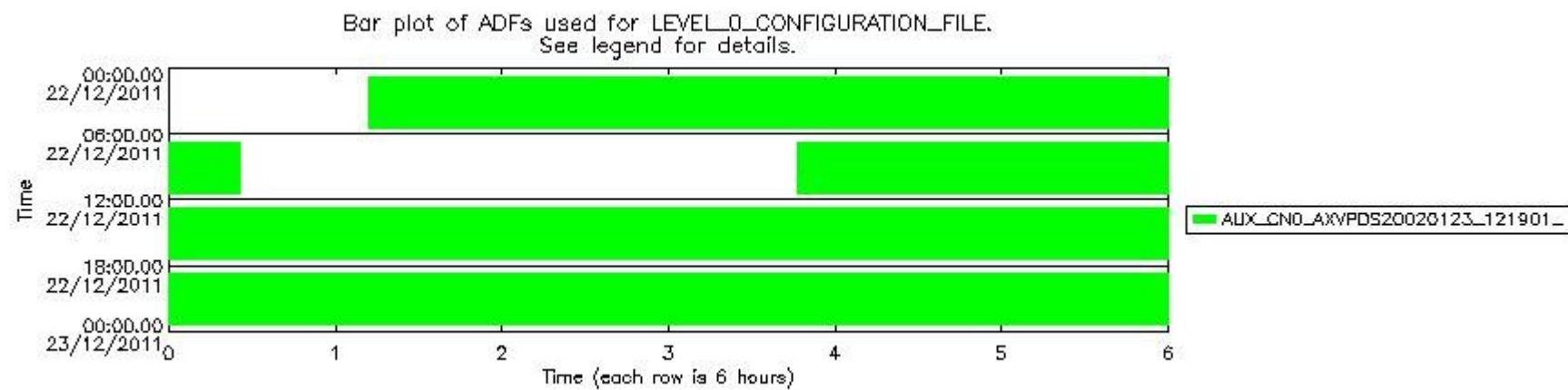
### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

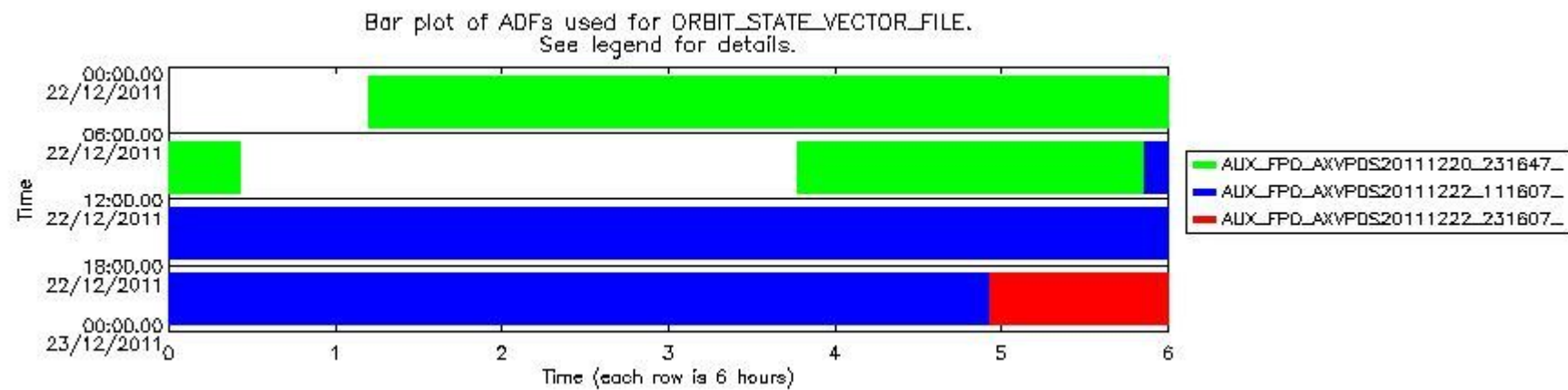
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111220_231647_20111220_192040_20111230_213422
2	AUX_FPO_AXVPDS20111222_111607_20111222_080547_20120101_101928
3	AUX_FPO_AXVPDS20111222_231607_20111221_184355_20111231_205737

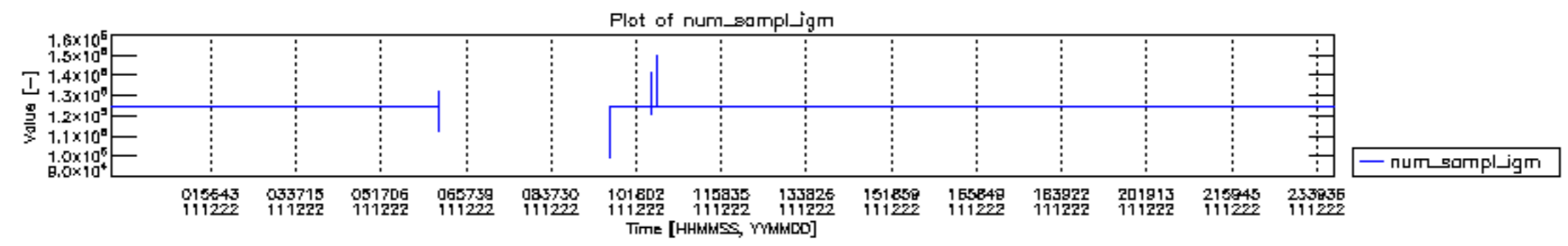
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20111222_011218_000102993110_00002_51309_5188.N1	0	1
1	MIP_NL__0PNPDE20111222_040324_000062043110_00004_51311_5189.N1	0	1
2	MIP_NL__0PNPDE20111222_054615_000023563110_00005_51312_5190.N1	0	1
3	MIP_NL__0PNPDK20111222_094610_000017523110_00008_51315_7865.N1	0	1
4	MIP_NL__0PNPDK20111222_101336_000059363110_00008_51315_7866.N1	0	1
5	MIP_NL__0PNPDK20111222_115125_000060333110_00009_51316_7867.N1	0	2
6	MIP_NL__0PNPDK20111222_133059_000059723110_00010_51317_7868.N1	0	2
7	MIP_NL__0PNPDK20111222_150946_000058683110_00011_51318_7869.N1	0	2
8	MIP_NL__0PNPDK20111222_164633_000059983110_00012_51319_7870.N1	0	2
9	MIP_NL__0PNPDK20111222_182530_000059983110_00013_51320_7871.N1	0	2
10	MIP_NL__0PNPDE20111222_200320_000040423110_00014_51321_5191.N1	0	2
11	MIP_NL__0PNPDE20111222_210906_000064863110_00014_51321_5192.N1	0	2
12	MIP_NL__0PNPDE20111222_225610_000060853110_00015_51322_5193.N1	0	3

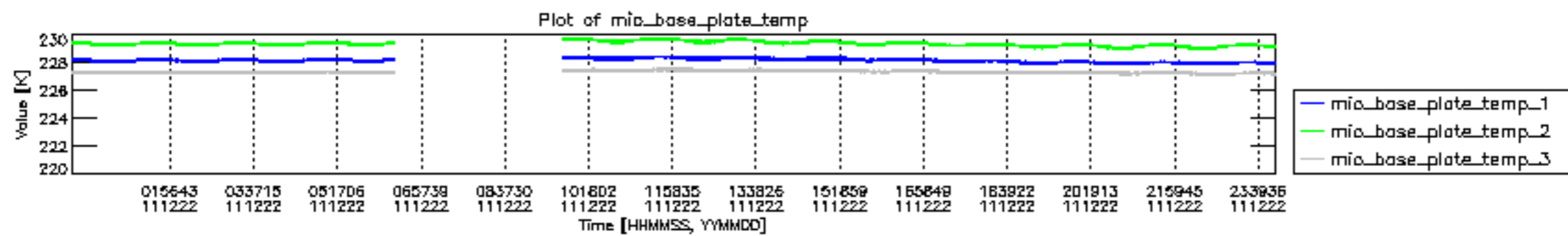


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111222\_12.PNG

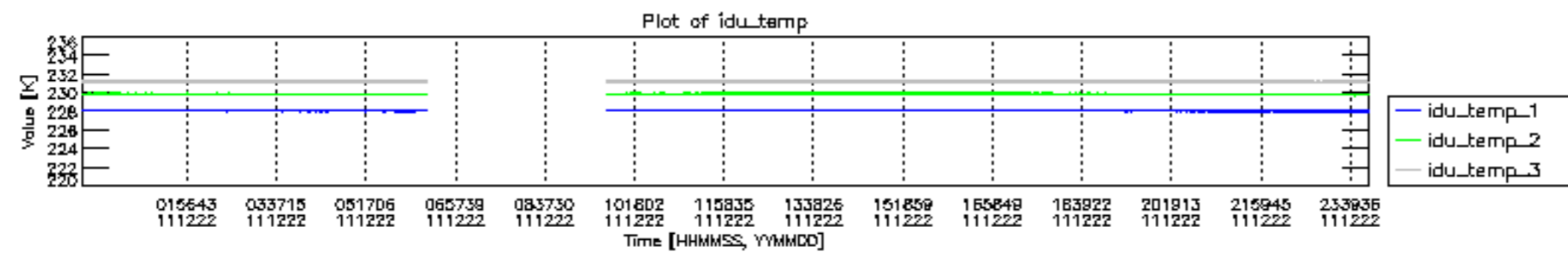


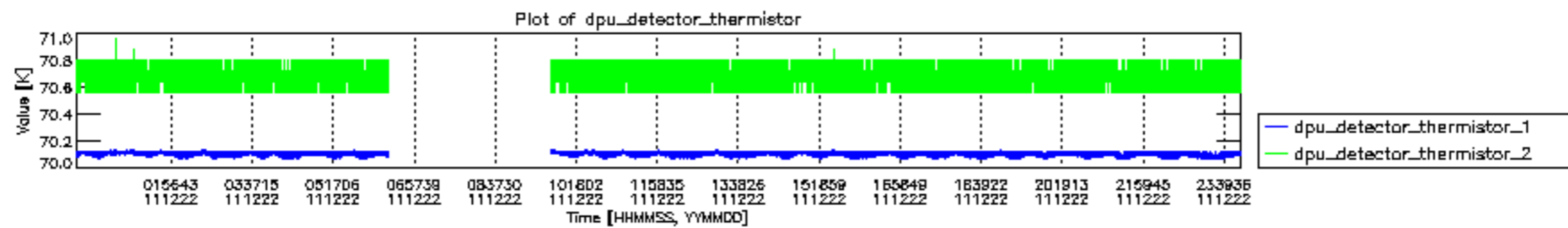
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111222\_13.PNG

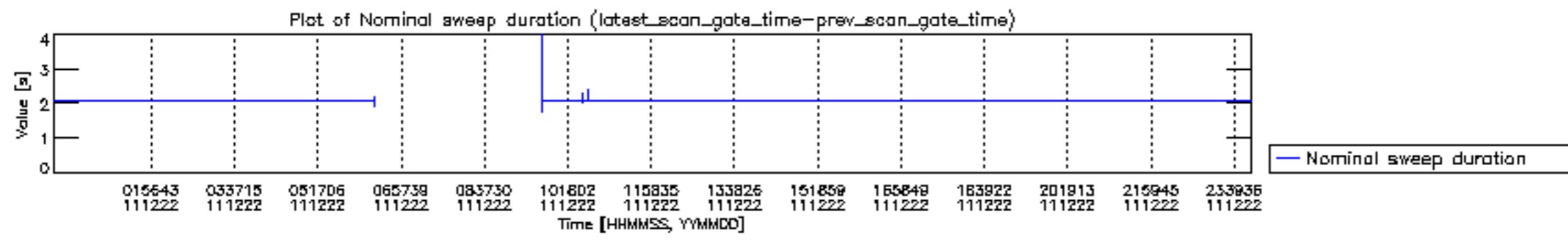


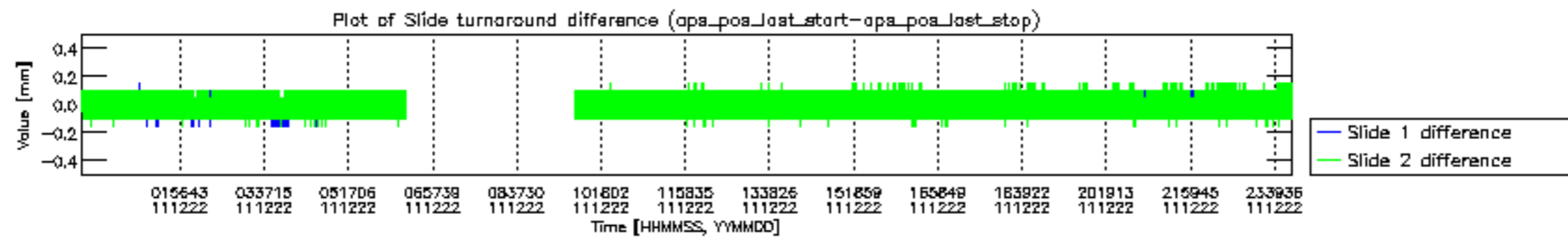


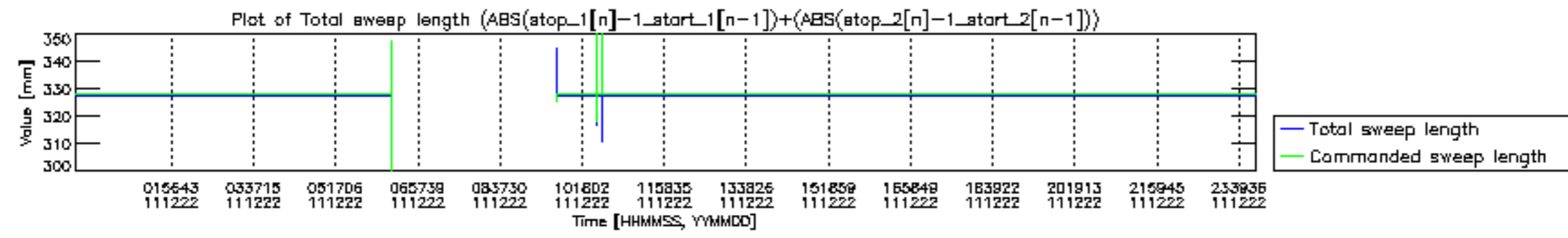


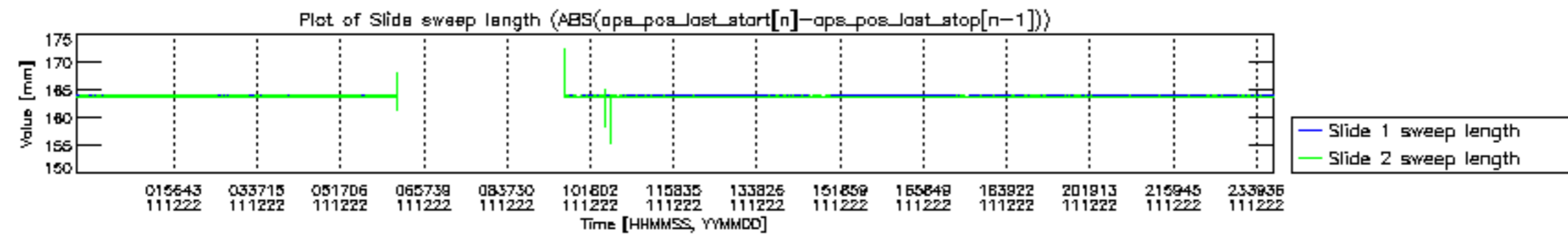


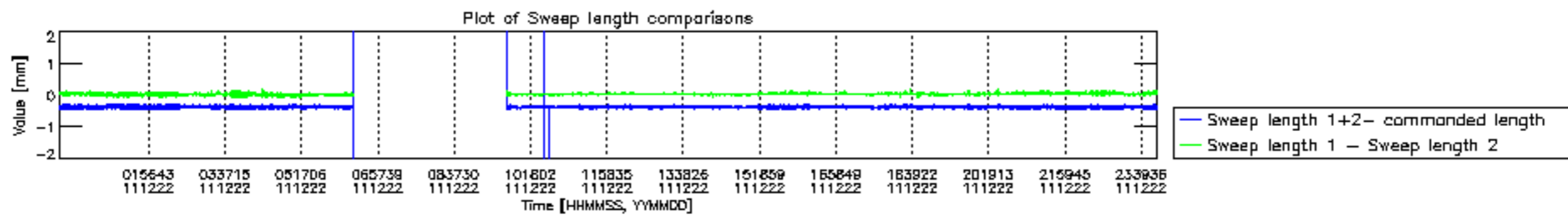


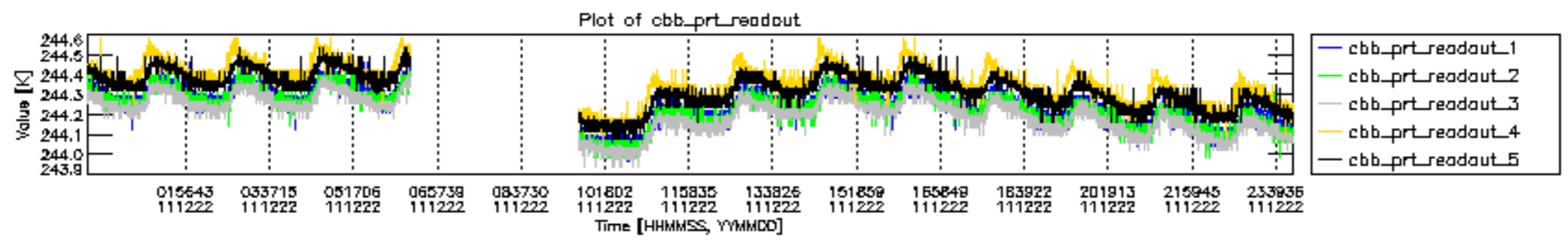




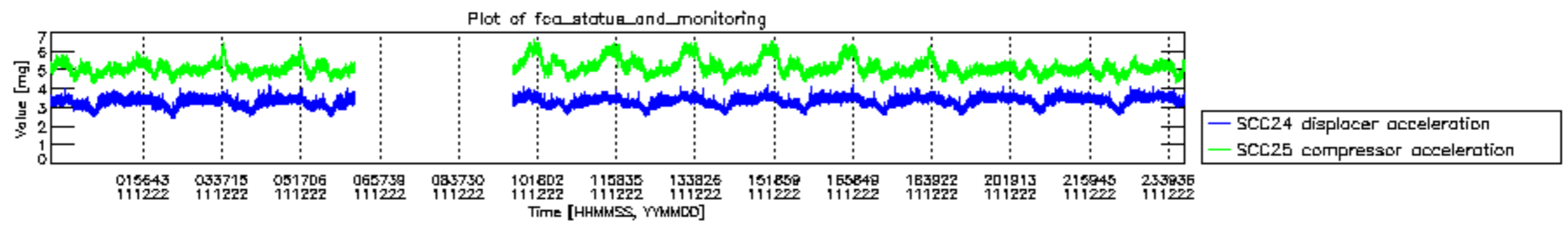




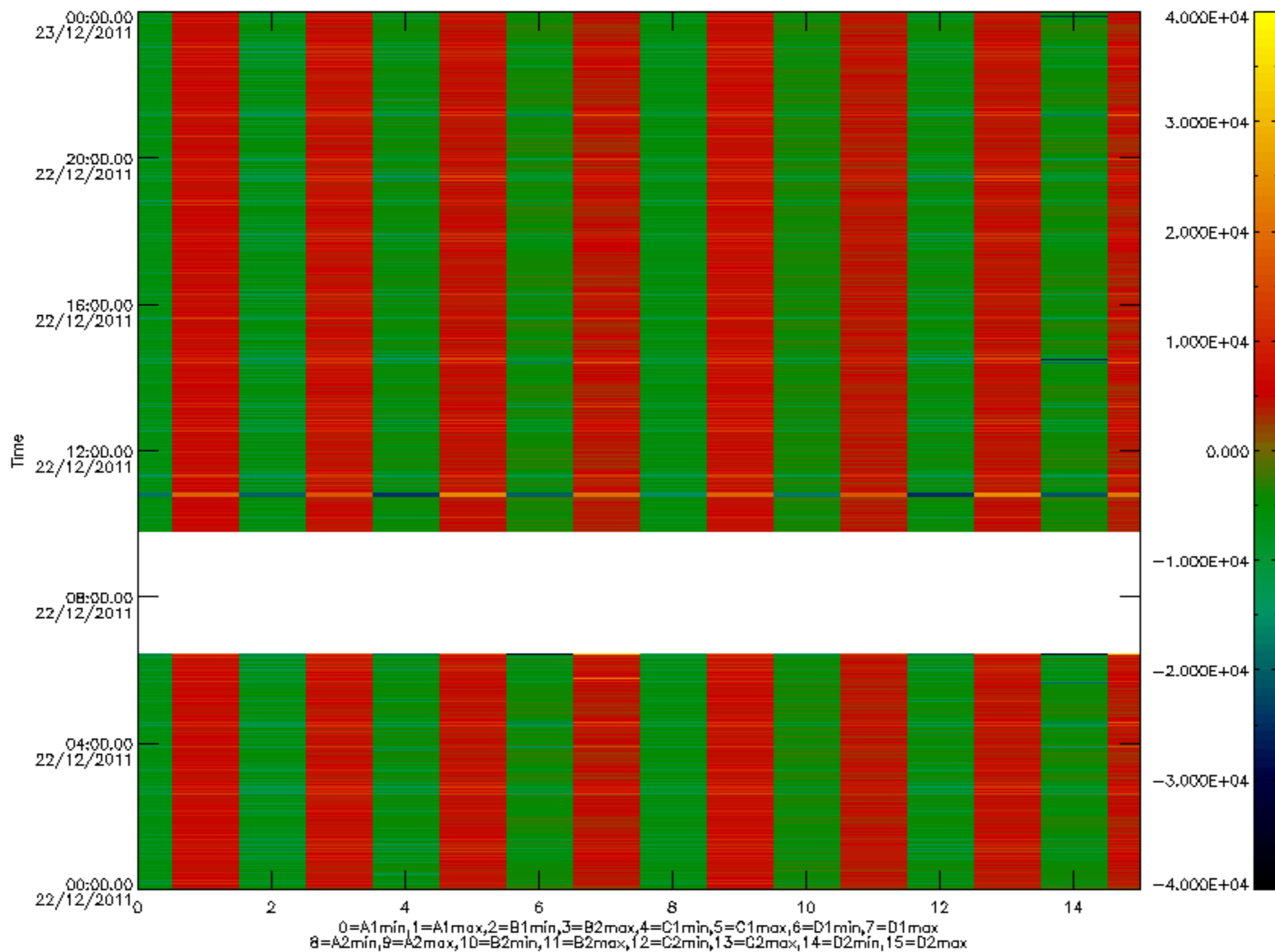


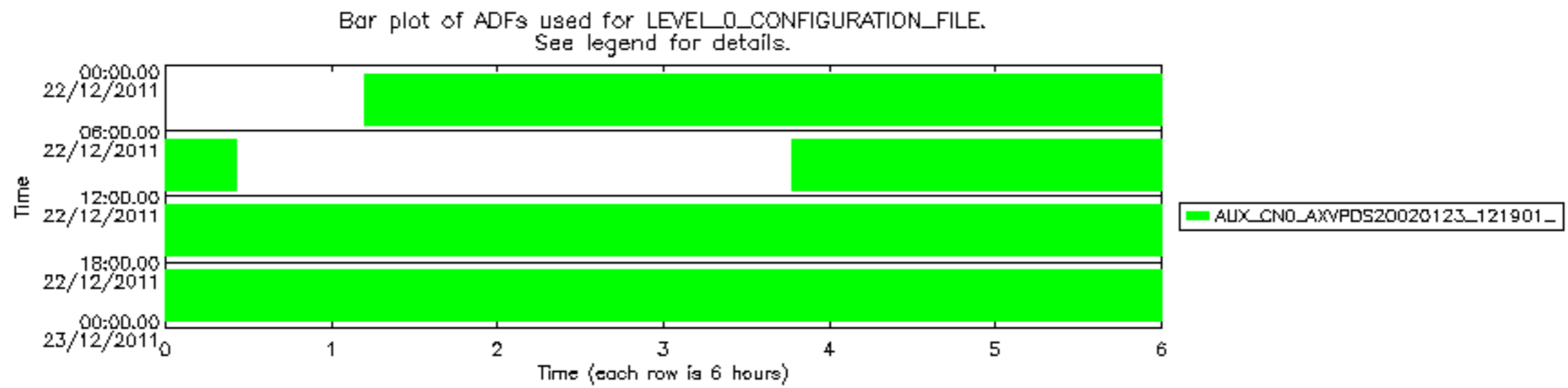






MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.





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

