

## 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	18DEC2011 05:25:05
Data source version	KSPT_L0/4504-N
Processing scope for products	13DEC2011 00:00:00 to 14DEC2011 00:00:00
Start time of first product within scope	13DEC2011 00:01:57
Stop time of last product within scope	14DEC2011 01:06:53
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__0PNPDE20111213_000157_000059753109_00303_51179_0400.N1	13DEC2011 00:01:57	13DEC2011 01:41:32	0	0	0	0	0
1	MIP_NL__0PNPDE20111213_014035_000044393109_00304_51180_0401.N1	13DEC2011 01:40:35	13DEC2011 02:54:34	0	0	0	0	0
2	MIP_NL__0PNPDE20111213_025403_000061753109_00305_51181_0402.N1	13DEC2011 02:54:03	13DEC2011 04:36:58	0	0	0	0	0
3	MIP_NL__0PNPDE20111213_043625_000059963109_00306_51182_0403.N1	13DEC2011 04:36:25	13DEC2011 06:16:20	0	0	0	0	0
4	MIP_NL__0PNPDK20111213_061547_000041223109_00307_51183_7780.N1	13DEC2011 06:15:47	13DEC2011 07:24:29	0	0	0	0	0
5	MIP_NL__0PNPDK20111213_072332_000061653109_00308_51184_7781.N1	13DEC2011 07:23:32	13DEC2011 09:06:17	0	0	0	0	0
6	MIP_NL__0PNPDK20111213_090439_000059823109_00309_51185_7782.N1	13DEC2011 09:04:39	13DEC2011 10:44:21	0	0	0	0	0
7	MIP_NL__0PNPDK20111213_104241_000059713109_00310_51186_7783.N1	13DEC2011 10:42:41	13DEC2011 12:22:11	0	0	0	0	0
8	MIP_NL__0PNPDK20111213_122115_000060393109_00311_51187_7784.N1	13DEC2011 12:21:15	13DEC2011 14:01:54	0	0	0	0	0
9	MIP_NL__0PNPDK20111213_140056_000059293109_00312_51188_7785.N1	13DEC2011 14:00:56	13DEC2011 15:39:45	0	0	0	0	0
10	MIP_NL__0PNPDK20111213_153901_000059433109_00313_51189_7786.N1	13DEC2011 15:39:01	13DEC2011 17:18:04	0	0	0	0	0
11	MIP_NL__0PNPDK20111213_171701_000058973109_00314_51190_7787.N1	13DEC2011 17:17:01	13DEC2011 18:55:19	1	1	0	0	0
12	MIP_NL__0PNPDK20111213_185412_000059333109_00315_51191_7788.N1	13DEC2011 18:54:12	13DEC2011 20:33:05	0	0	0	0	0
13	MIP_NL__0PNPDE20111213_203129_000044143109_00316_51192_0404.N1	13DEC2011 20:31:29	13DEC2011 21:45:03	0	0	0	0	0
14	MIP_NL__0PNPDE20111213_214406_000062233109_00316_51192_0405.N1	13DEC2011 21:44:06	13DEC2011 23:27:50	0	0	0	0	0
15	MIP_NL__0PNPDE20111213_232643_000060103109_00317_51193_0406.N1	13DEC2011 23:26:43	14DEC2011 01:06:53	0	0	0	0	0

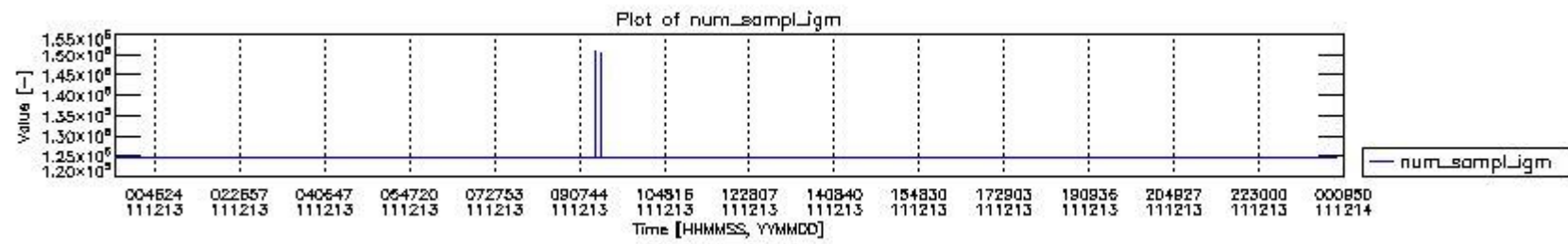
## 0.2 Instrument Operational Performance Parameters

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.

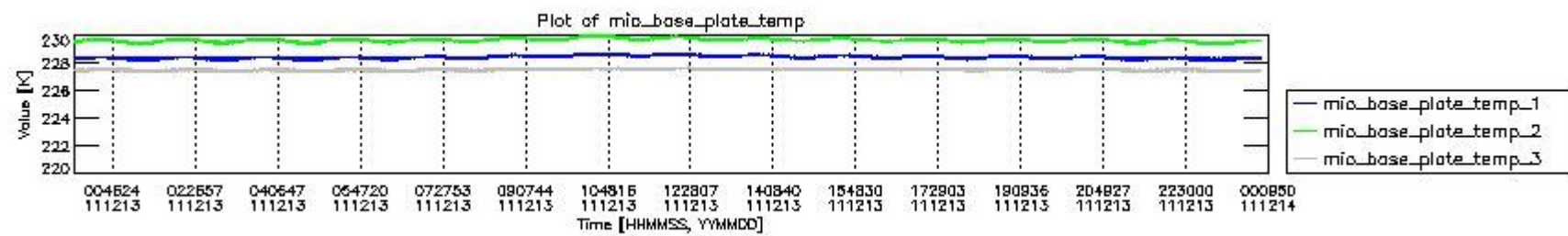
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124800	38683	92.878581
124803	2960	7.1070134

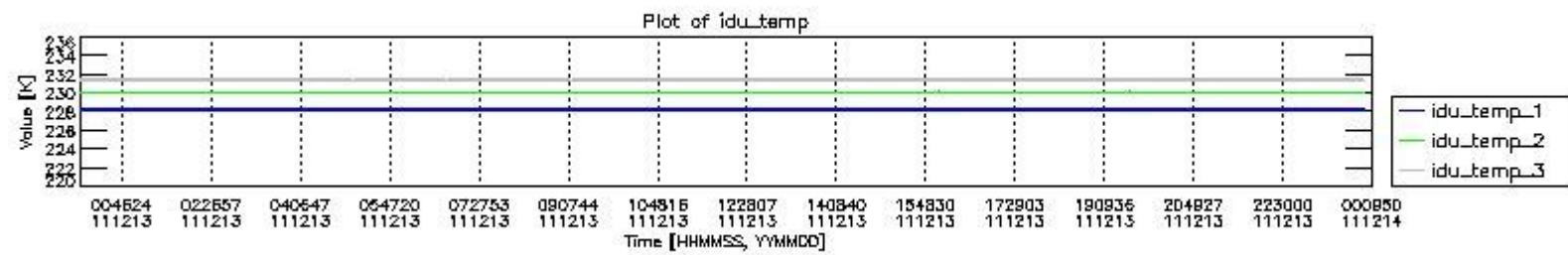
127456	1	0.0024010180
127828	1	0.0024010180
147588	1	0.0024010180
147960	1	0.0024010180
150244	1	0.0024010180
150988	1	0.0024010180



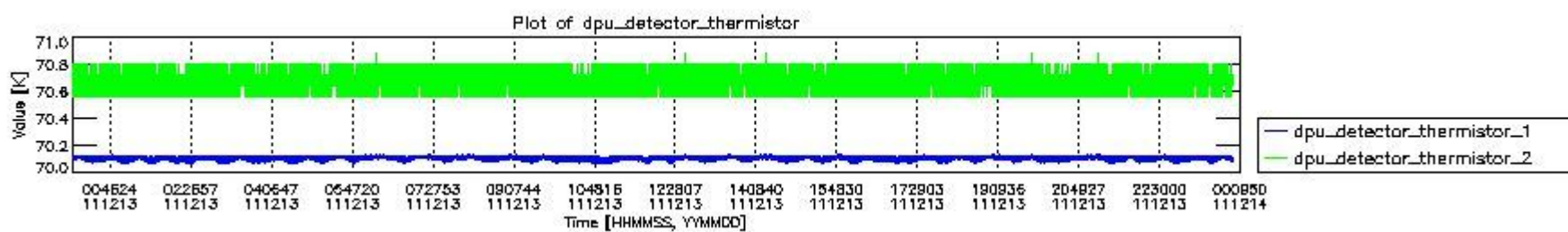
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111213\_0.PNG



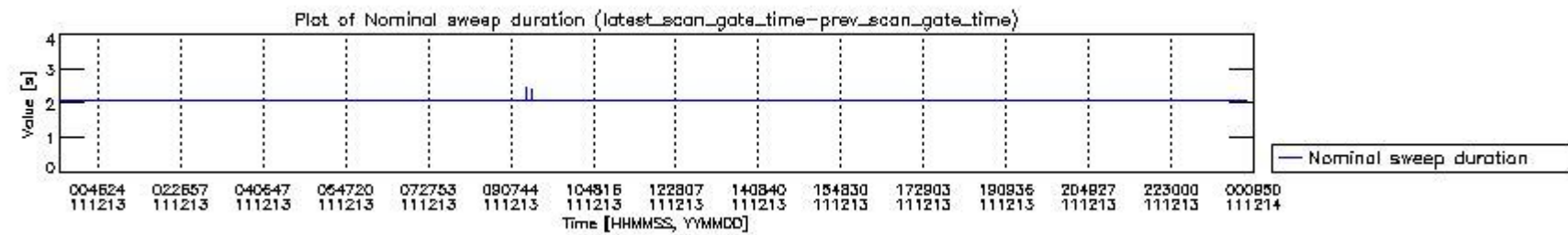
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111213\_1.PNG



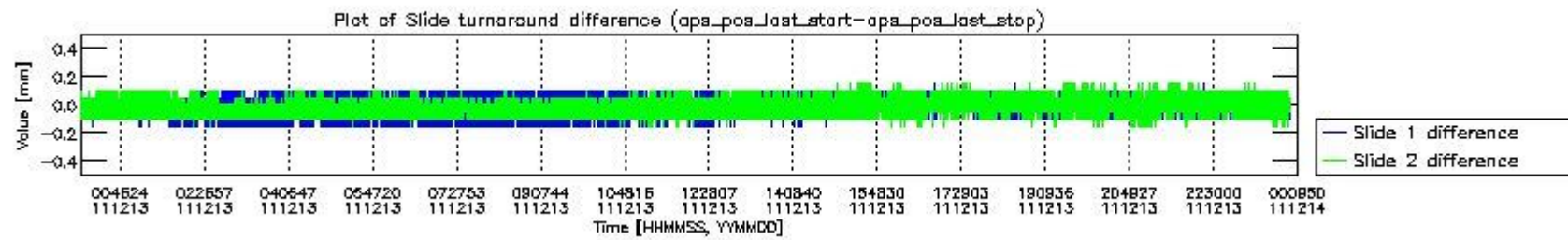
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111213\_2.PNG



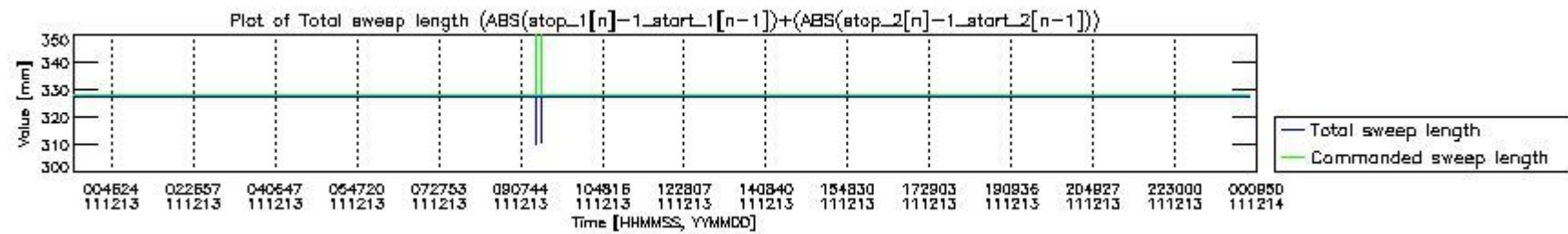
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111213\_3.PNG



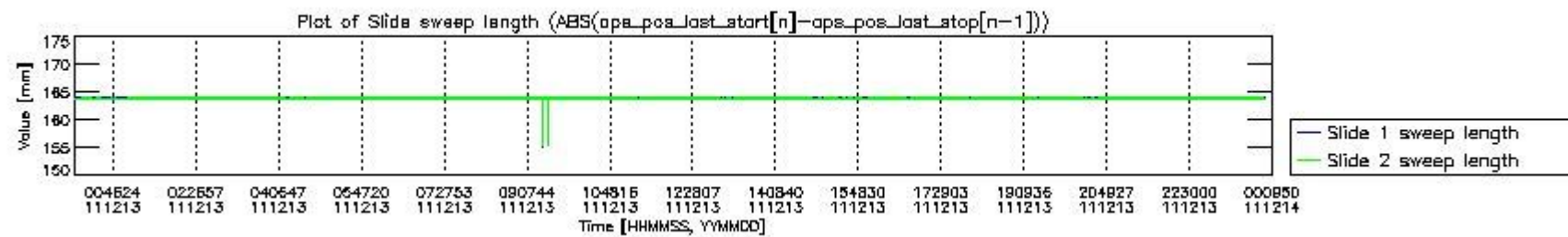
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111213\_4.PNG



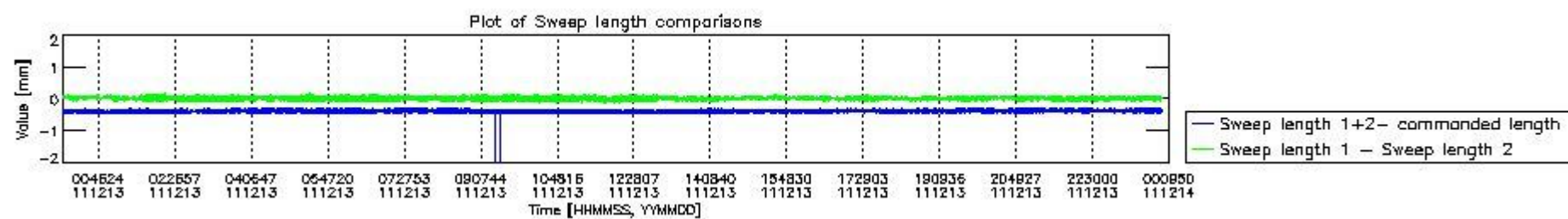
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111213\_5.PNG



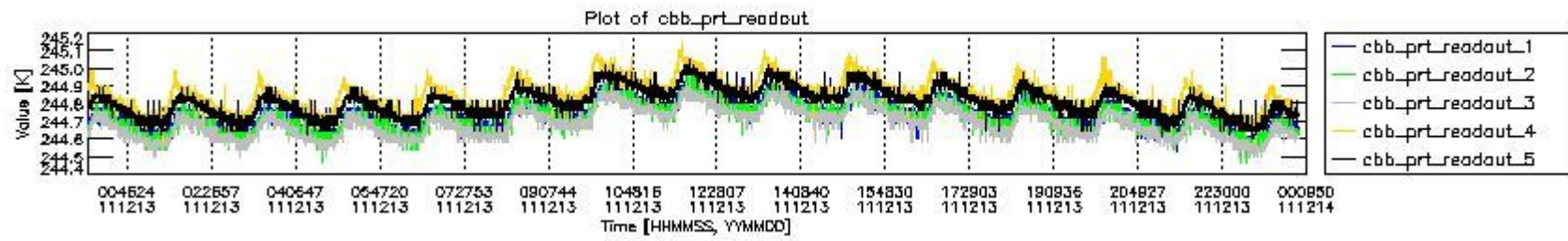
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111213\_6.PNG



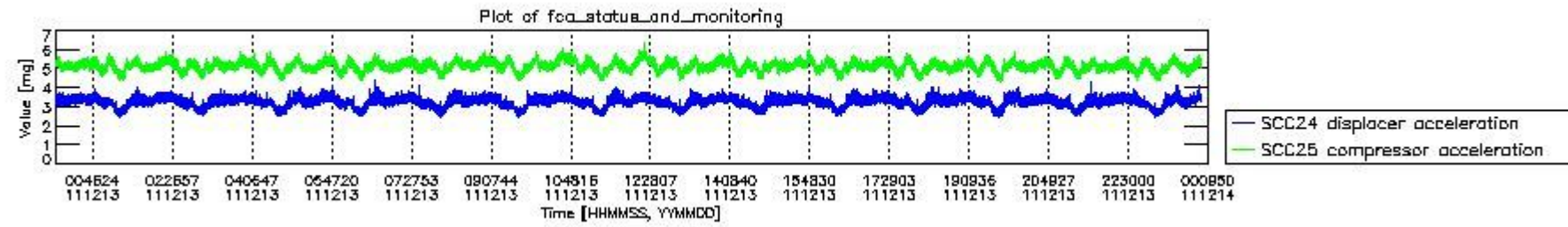
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111213\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111213\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111213\_9.PNG



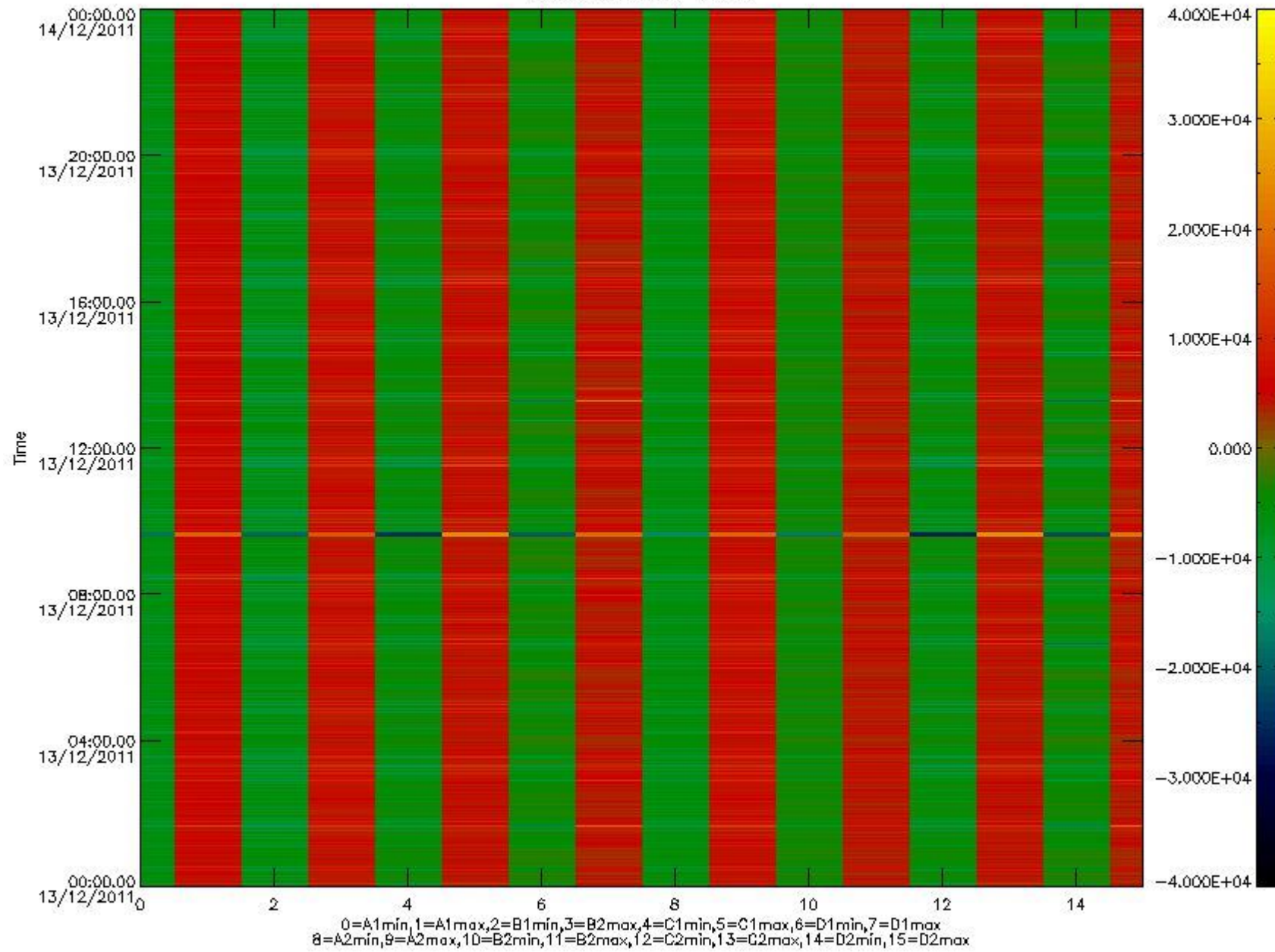
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111213\_10.PNG

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

Channel	Min	Max	ADC
A1	-18192	19250	16bit
B1	-20563	17667	16bit
C1	-25000	24913	16bit
D1	-31345	32767	16bit
A2	-15795	19490	16bit
B2	-18415	18085	16bit
C2	-25997	25637	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\_20111213\_11.PNG

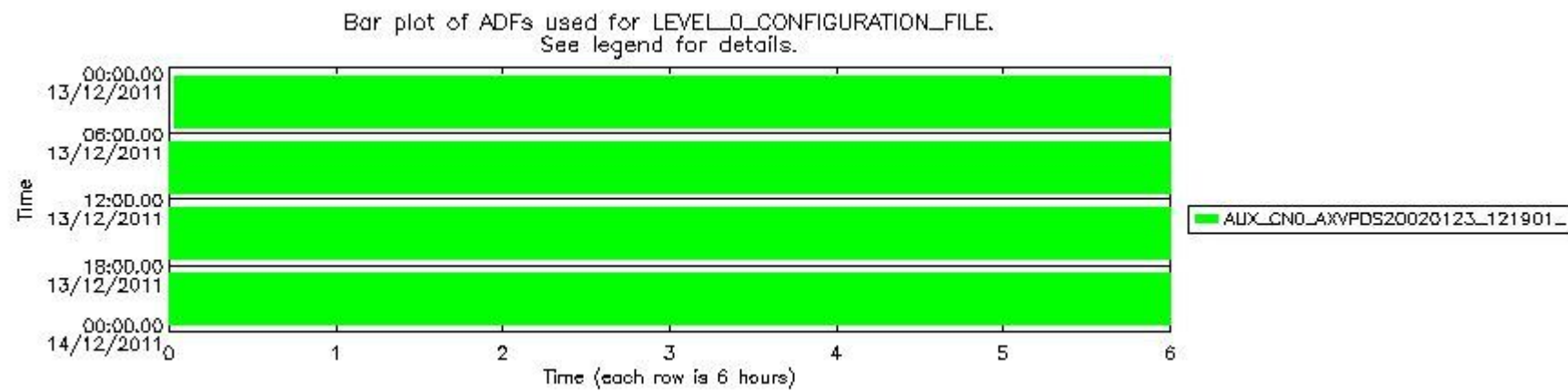
### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

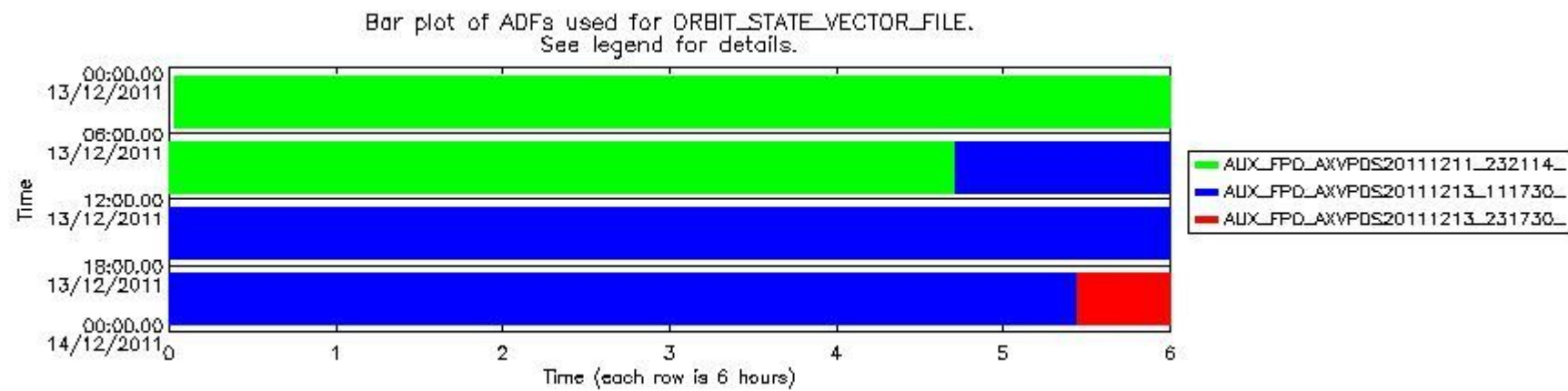
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111211_232114_20111211_195042_20111221_202409
2	AUX_FPO_AXVPDS20111213_111730_20111212_191357_20111222_212738
3	AUX_FPO_AXVPDS20111213_231730_20111213_183713_20111223_205053

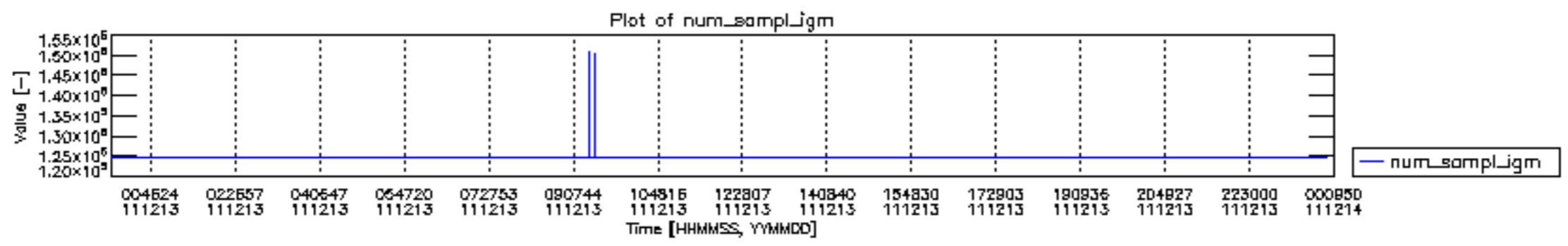
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20111213_000157_000059753109_00303_51179_0400.N1	0	1
1	MIP_NL__0PNPDE20111213_014035_000044393109_00304_51180_0401.N1	0	1
2	MIP_NL__0PNPDE20111213_025403_000061753109_00305_51181_0402.N1	0	1
3	MIP_NL__0PNPDE20111213_043625_000059963109_00306_51182_0403.N1	0	1
4	MIP_NL__0PNPDK20111213_061547_000041223109_00307_51183_7780.N1	0	1
5	MIP_NL__0PNPDK20111213_072332_000061653109_00308_51184_7781.N1	0	1
6	MIP_NL__0PNPDK20111213_090439_000059823109_00309_51185_7782.N1	0	1
7	MIP_NL__0PNPDK20111213_104241_000059713109_00310_51186_7783.N1	0	2
8	MIP_NL__0PNPDK20111213_122115_000060393109_00311_51187_7784.N1	0	2
9	MIP_NL__0PNPDK20111213_140056_000059293109_00312_51188_7785.N1	0	2
10	MIP_NL__0PNPDK20111213_153901_000059433109_00313_51189_7786.N1	0	2
11	MIP_NL__0PNPDK20111213_171701_000058973109_00314_51190_7787.N1	0	2
12	MIP_NL__0PNPDK20111213_185412_000059333109_00315_51191_7788.N1	0	2
13	MIP_NL__0PNPDE20111213_203129_000044143109_00316_51192_0404.N1	0	2
14	MIP_NL__0PNPDE20111213_214406_000062233109_00316_51192_0405.N1	0	2
15	MIP_NL__0PNPDE20111213_232643_000060103109_00317_51193_0406.N1	0	3

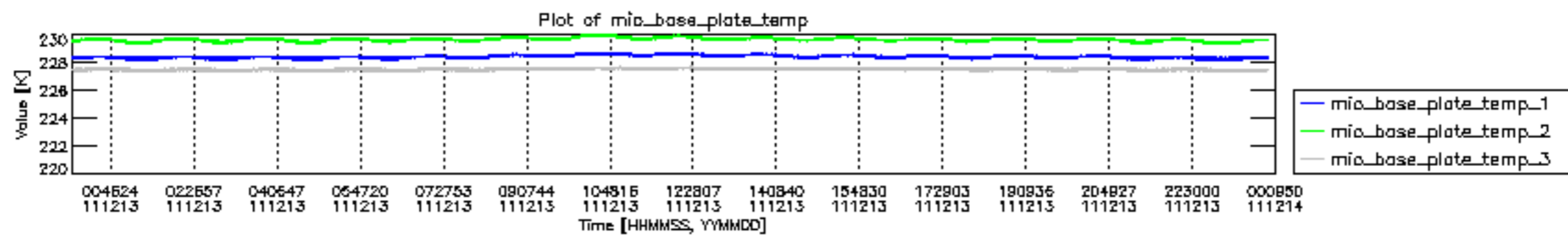


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111213\_12.PNG

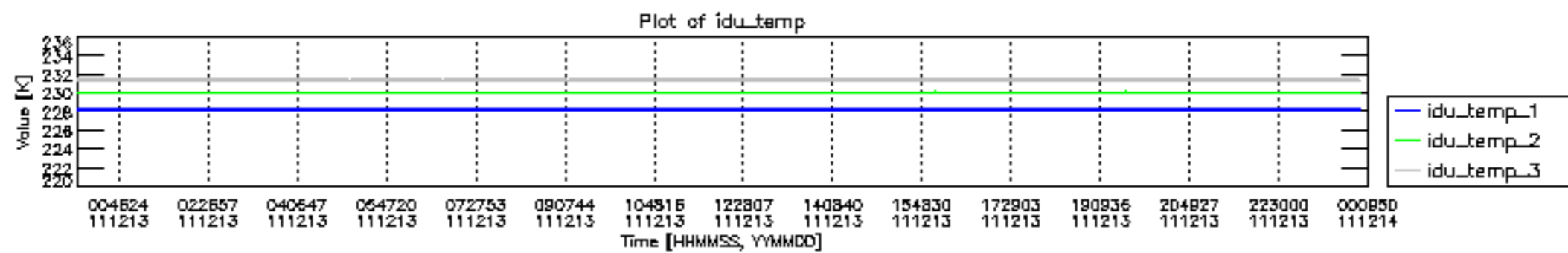


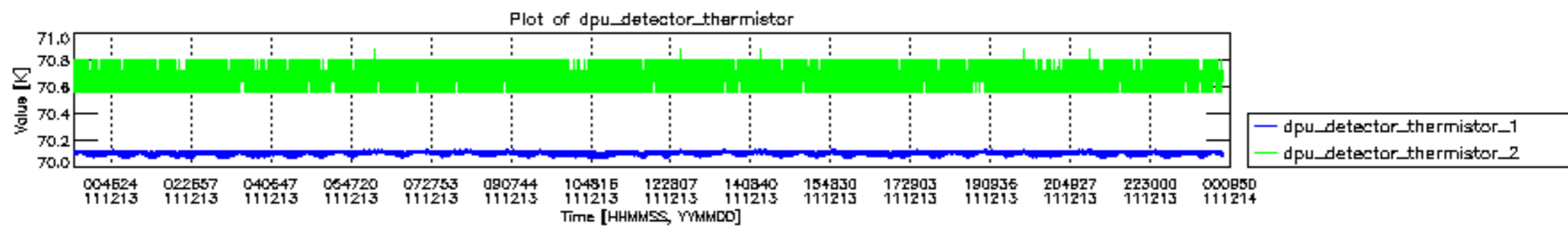
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111213\_13.PNG

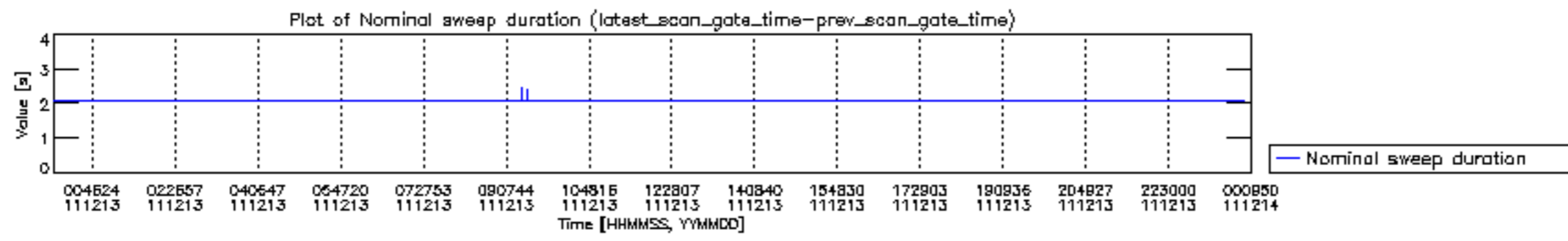


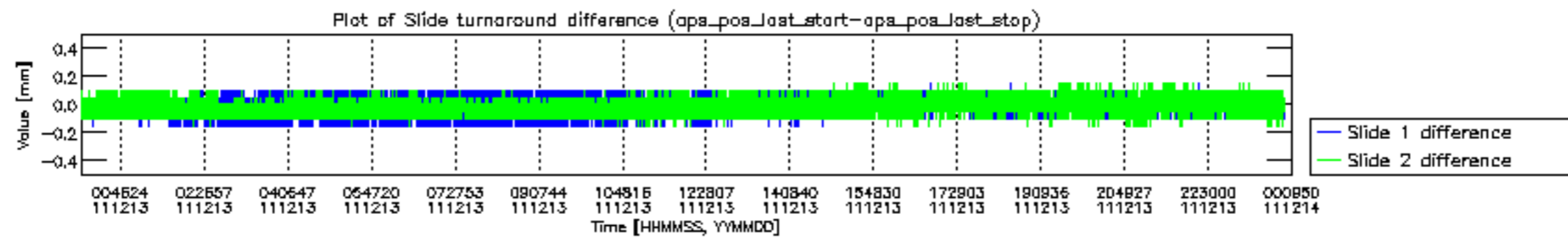


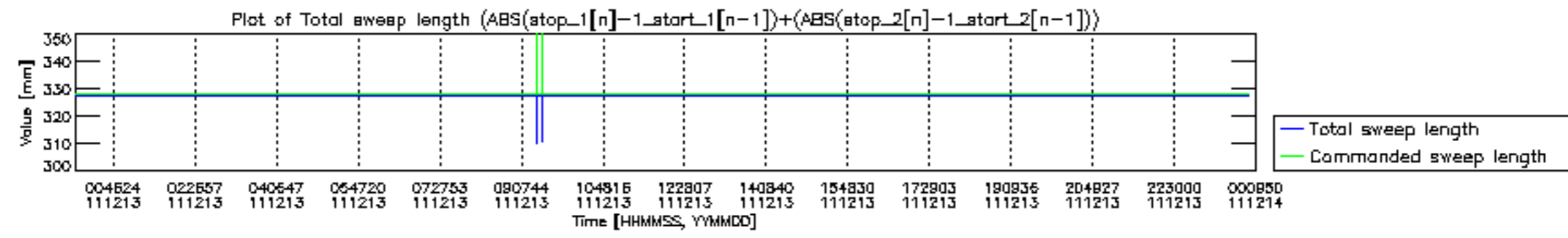




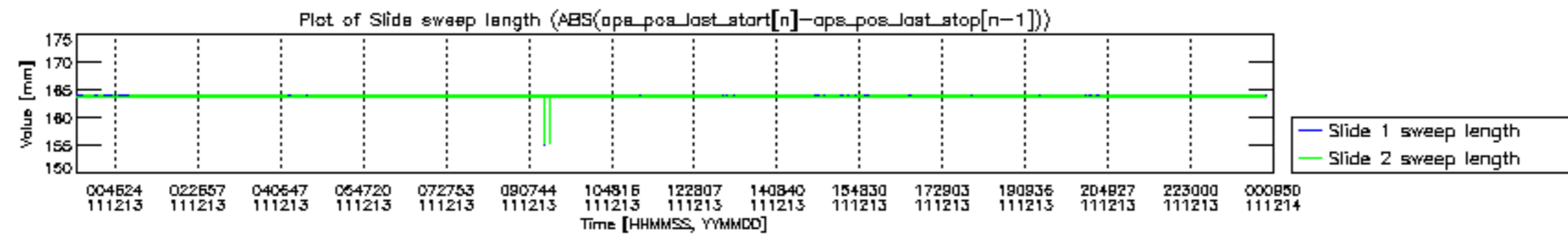


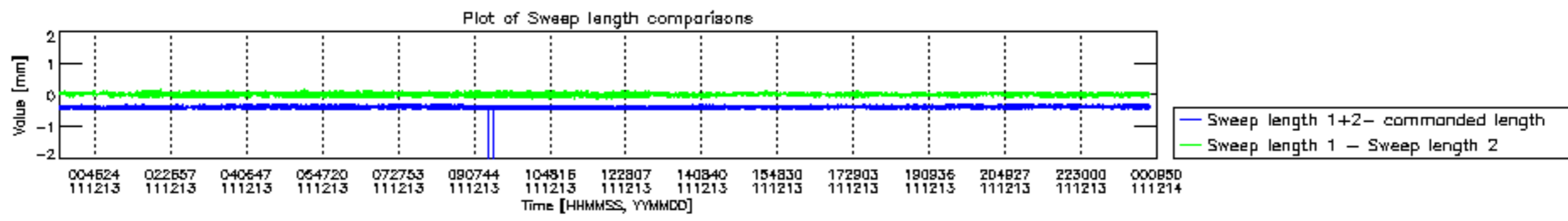


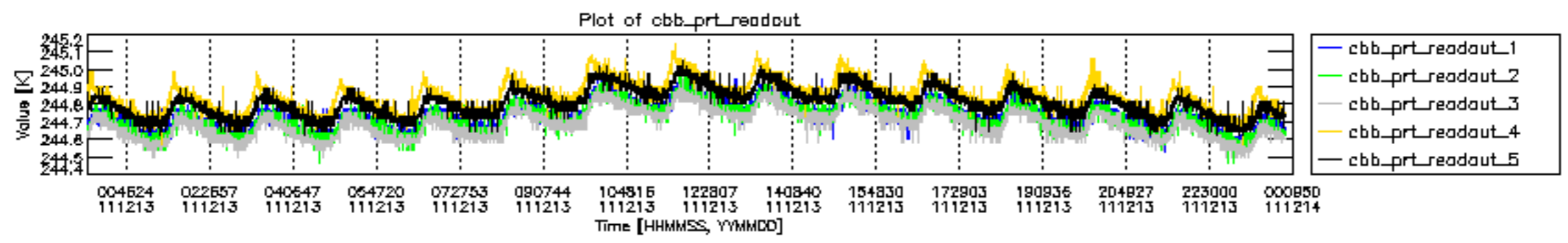


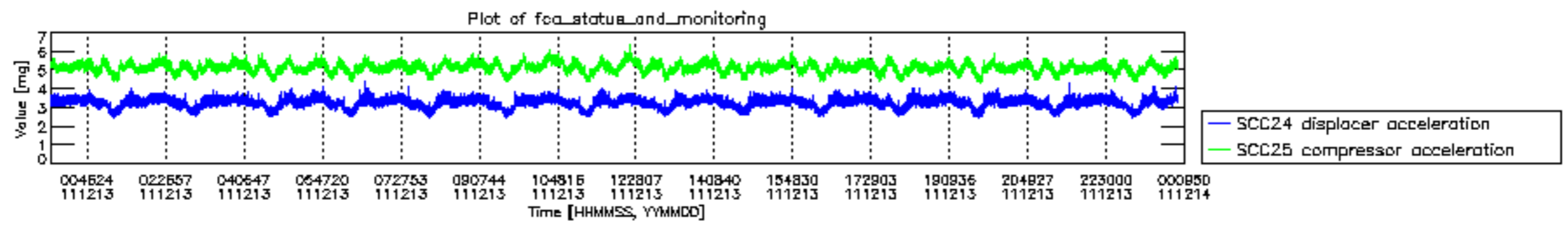




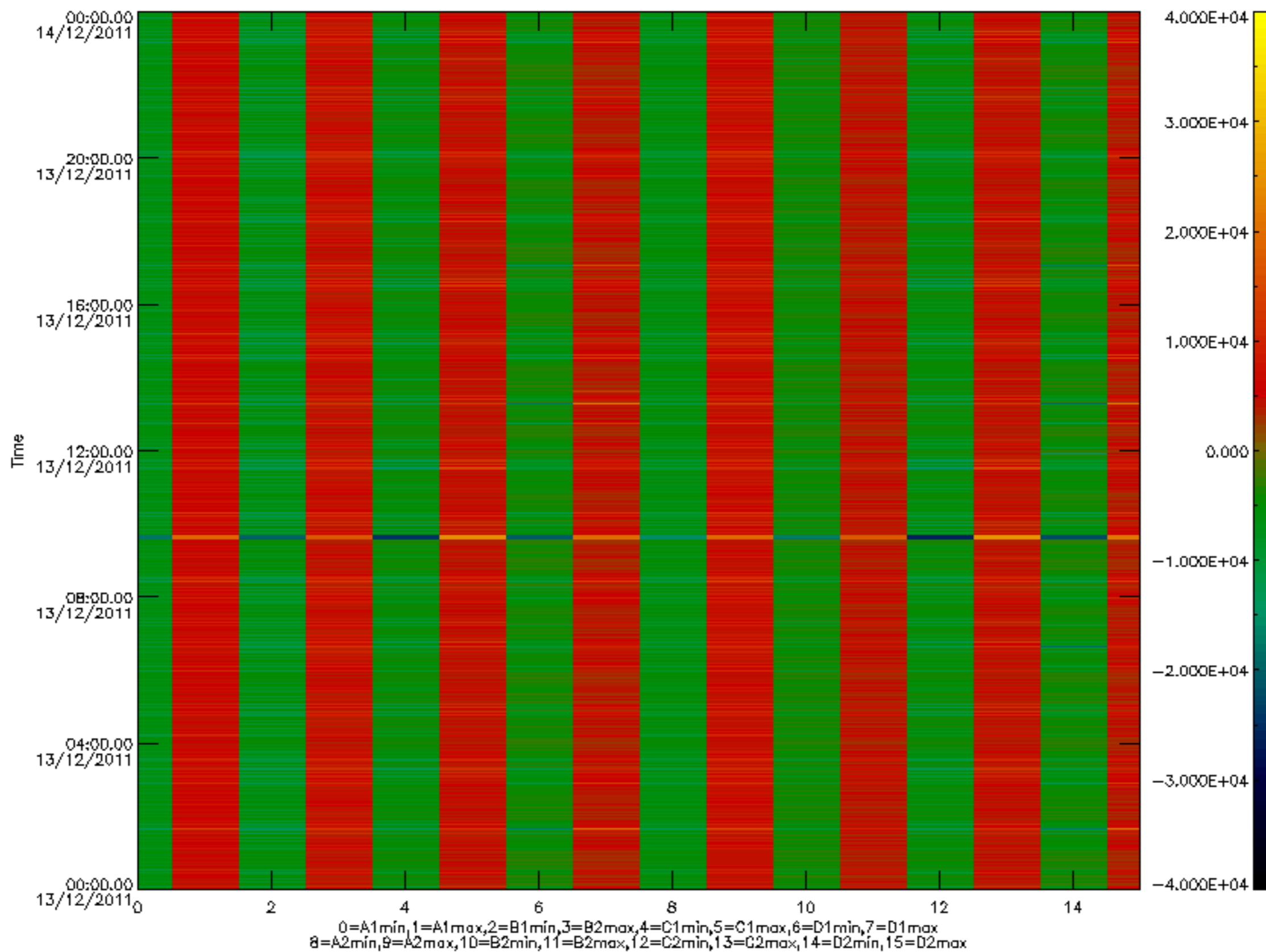




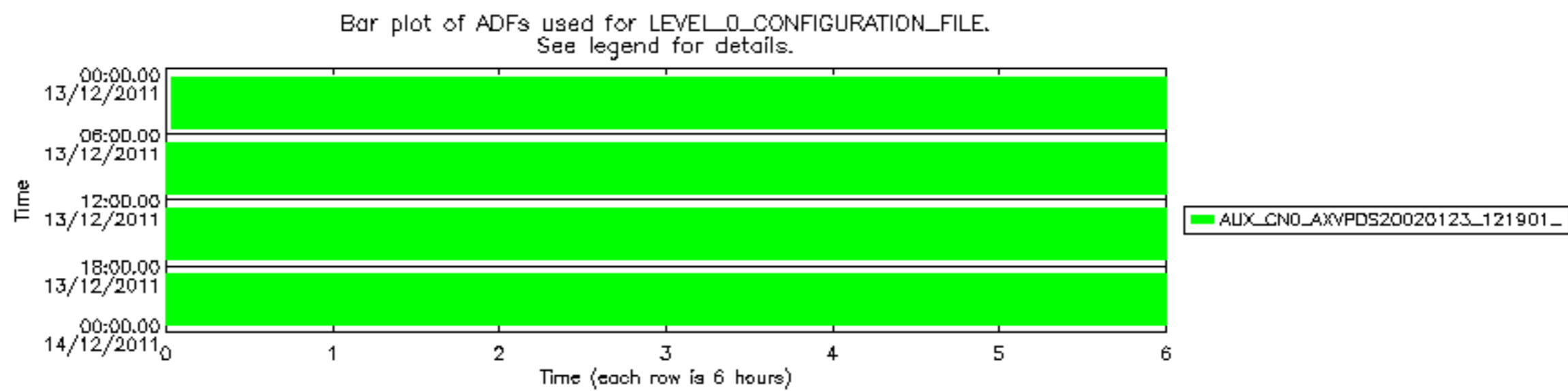




MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.







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

