

## 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	26JAN2012 05:21:28
Data source version	KSPT_L0/4504-N
Processing scope for products	21JAN2012 00:00:00 to 22JAN2012 00:00:00
Start time of first product within scope	21JAN2012 01:13:06
Stop time of last product within scope	22JAN2012 00:37:15
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__0PNPDE20120121_011306_000102033111_00002_51740_5394.N1	21JAN2012 01:13:06	21JAN2012 04:03:08	0	0	0	0	0
1	MIP_NL__0PNPDE20120121_015532_000076563111_00003_51741_0674.N1	21JAN2012 01:55:32	21JAN2012 04:03:08	0	0	0	0	0
2	MIP_NL__0PNPDE20120121_040235_000062803111_00004_51742_5395.N1	21JAN2012 04:02:35	21JAN2012 05:47:14	0	0	0	0	0
3	MIP_NL__0PNPDE20120121_054641_000023503111_00005_51743_5396.N1	21JAN2012 05:46:41	21JAN2012 06:25:51	0	0	0	0	0
4	MIP_NL__0PNPDK20120121_094555_000017613111_00007_51745_8331.N1	21JAN2012 09:45:55	21JAN2012 10:15:16	0	0	0	0	0
5	MIP_NL__0PNPDK20120121_101337_000059673111_00008_51746_8332.N1	21JAN2012 10:13:37	21JAN2012 11:53:04	0	0	0	0	0
6	MIP_NL__0PNPDK20120121_115124_000061353111_00009_51747_8333.N1	21JAN2012 11:51:24	21JAN2012 13:33:39	0	0	0	0	0
7	MIP_NL__0PNPDK20120121_133241_000057873111_00010_51748_8334.N1	21JAN2012 13:32:41	21JAN2012 15:09:07	0	0	0	0	0
8	MIP_NL__0PNPDK20120121_150821_000060483111_00011_51749_8335.N1	21JAN2012 15:08:21	21JAN2012 16:49:09	0	0	0	0	0
9	MIP_NL__0PNPDK20120121_164835_000058553111_00012_51750_8336.N1	21JAN2012 16:48:35	21JAN2012 18:26:11	0	0	0	0	0
10	MIP_NL__0PNPDK20120121_182508_000058223111_00013_51751_8337.N1	21JAN2012 18:25:08	21JAN2012 20:02:10	0	0	0	0	0
11	MIP_NL__0PNPDE20120121_200032_000041633111_00014_51752_5397.N1	21JAN2012 20:00:32	21JAN2012 21:09:55	0	0	0	0	0
12	MIP_NL__0PNPDE20120121_210819_000064973111_00014_51752_5398.N1	21JAN2012 21:08:19	21JAN2012 22:56:36	0	0	0	0	0
13	MIP_NL__0PNPDE20120121_225529_000061063111_00015_51753_5399.N1	21JAN2012 22:55:29	22JAN2012 00:37:15	0	0	0	0	0

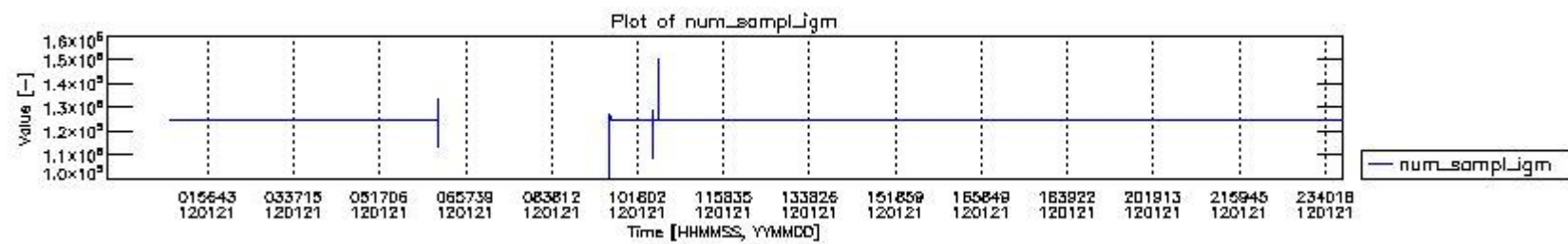
## 0.2 Instrument Operational Performance Parameters

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.

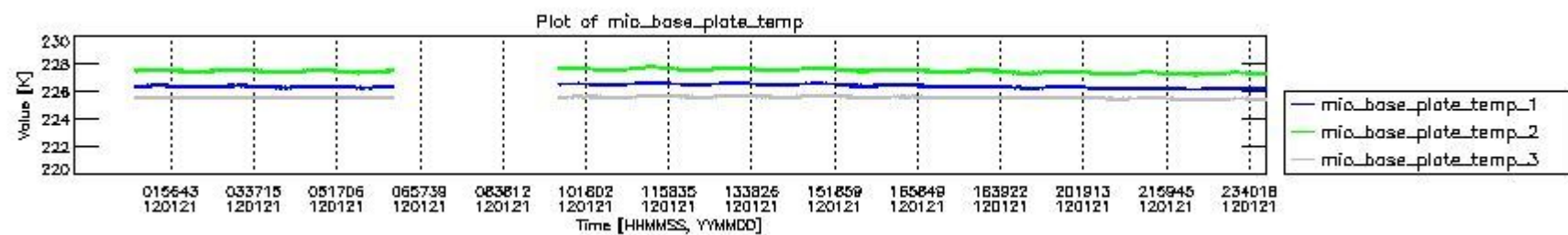
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100855	1	0.0029588425
108945	1	0.0029588425
113222	1	0.0029588425
113554	1	0.0029588425

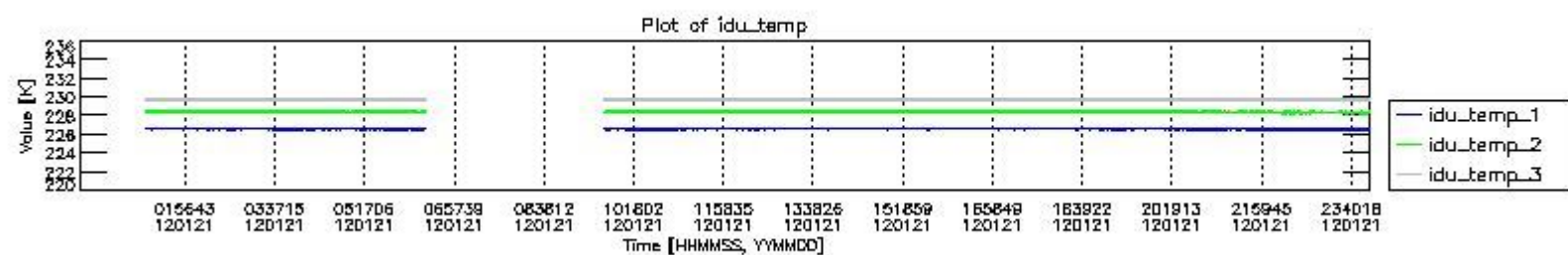
122440	1	0.0029588425
124800	31391	92.881025
124803	2394	7.0834689
126107	1	0.0029588425
127414	1	0.0029588425
127456	1	0.0029588425
129077	1	0.0029588425
133689	1	0.0029588425
147588	1	0.0029588425
150244	1	0.0029588425



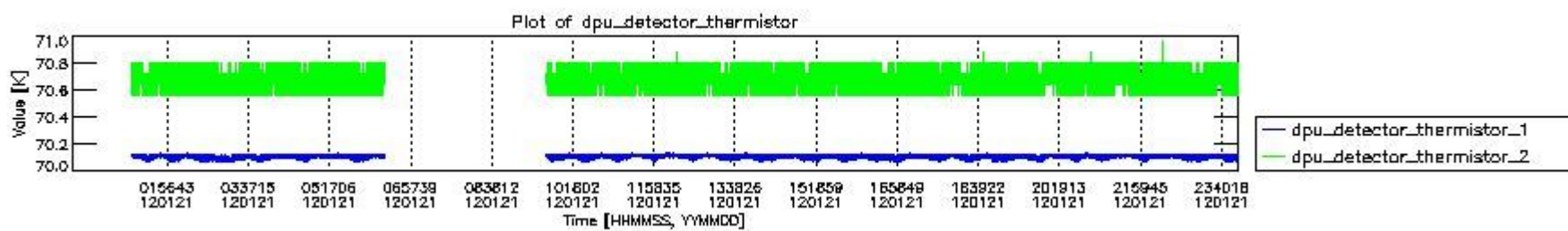
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120121\_0.PNG



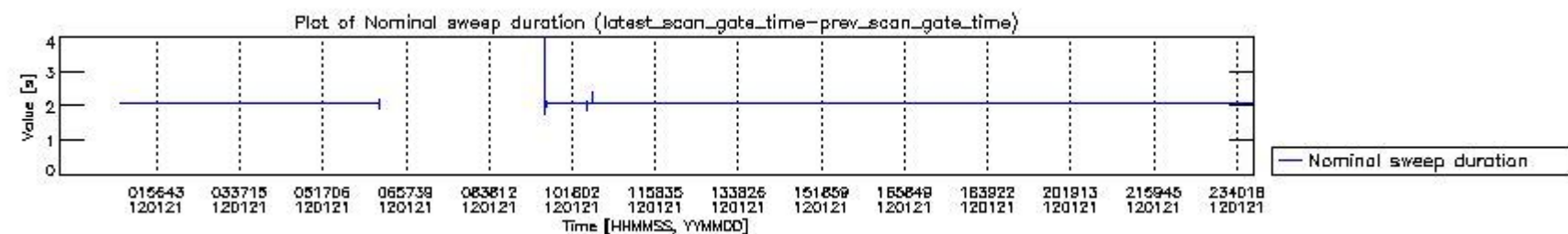
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120121\_1.PNG



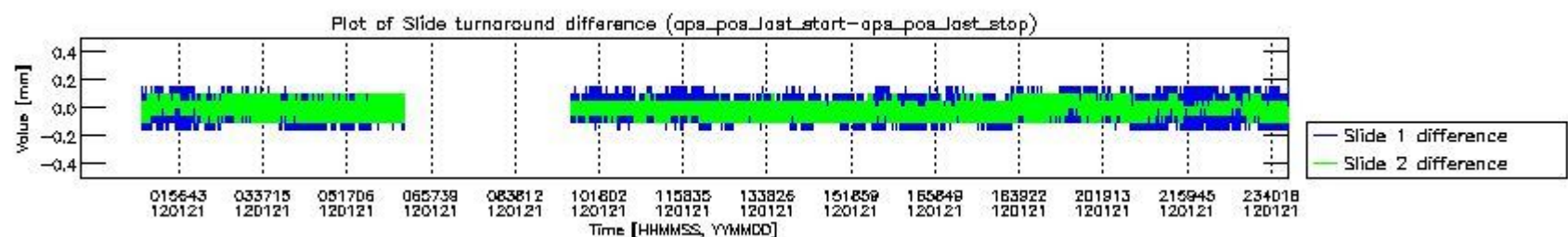
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120121\_2.PNG



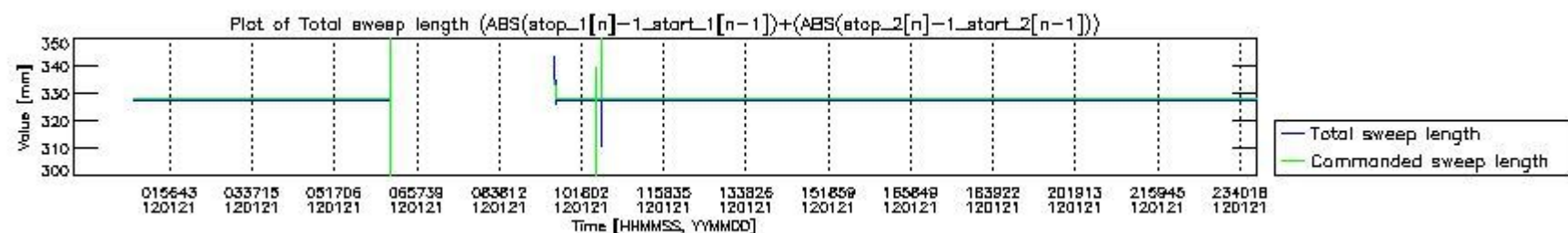
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120121\_3.PNG



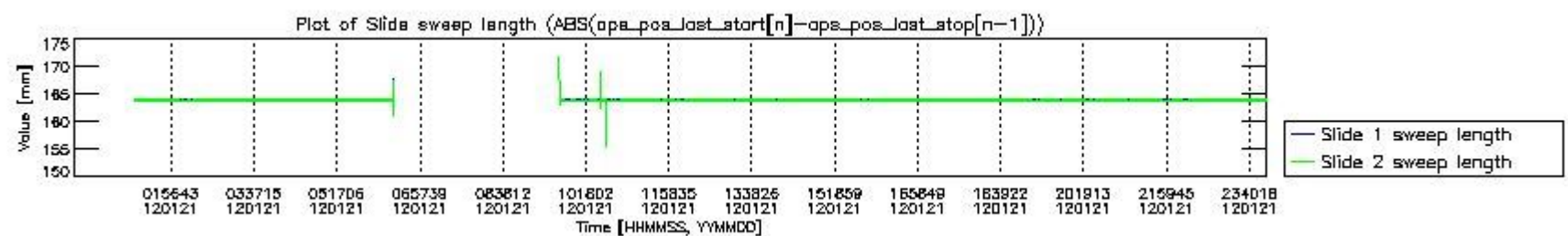
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120121\_4.PNG



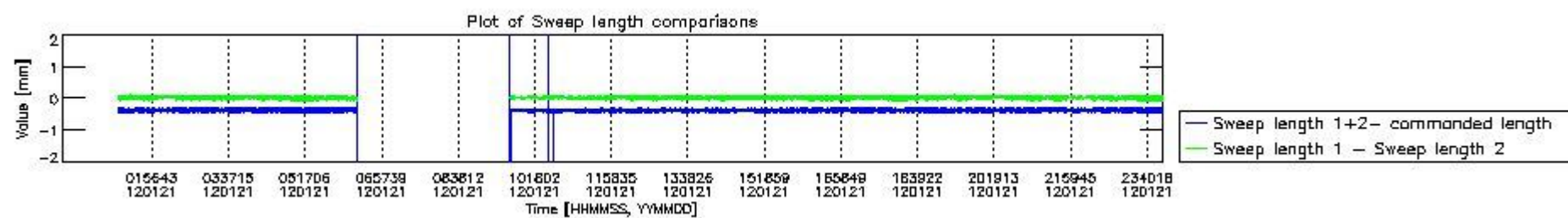
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120121\_5.PNG



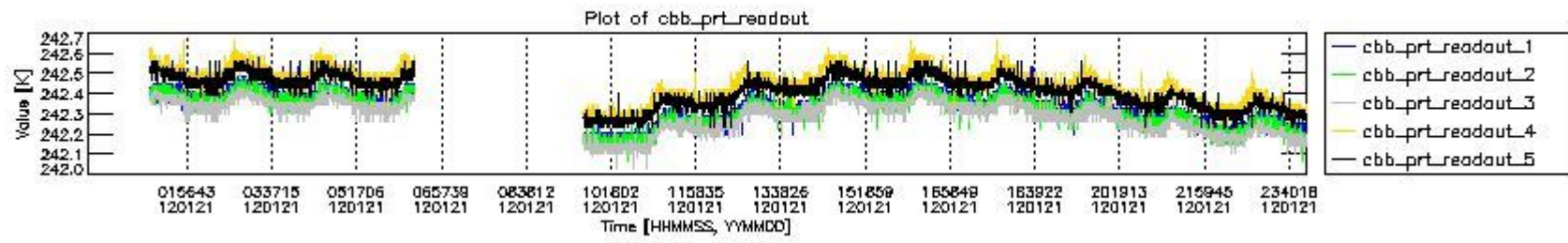
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120121\_6.PNG



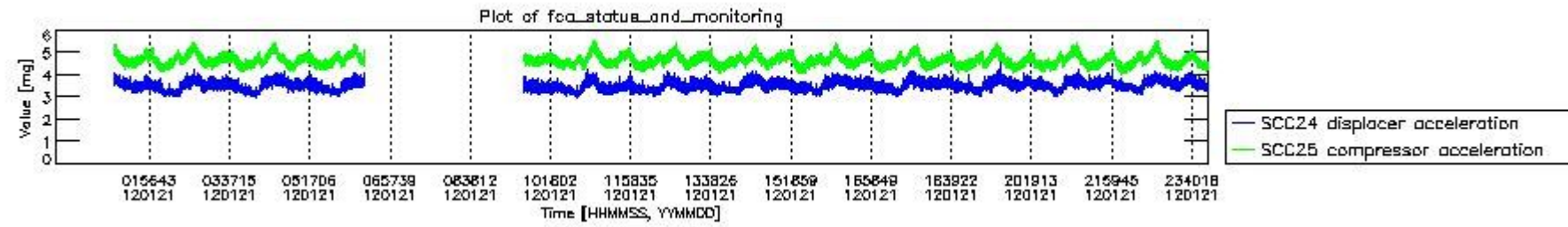
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120121\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120121\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120121\_9.PNG



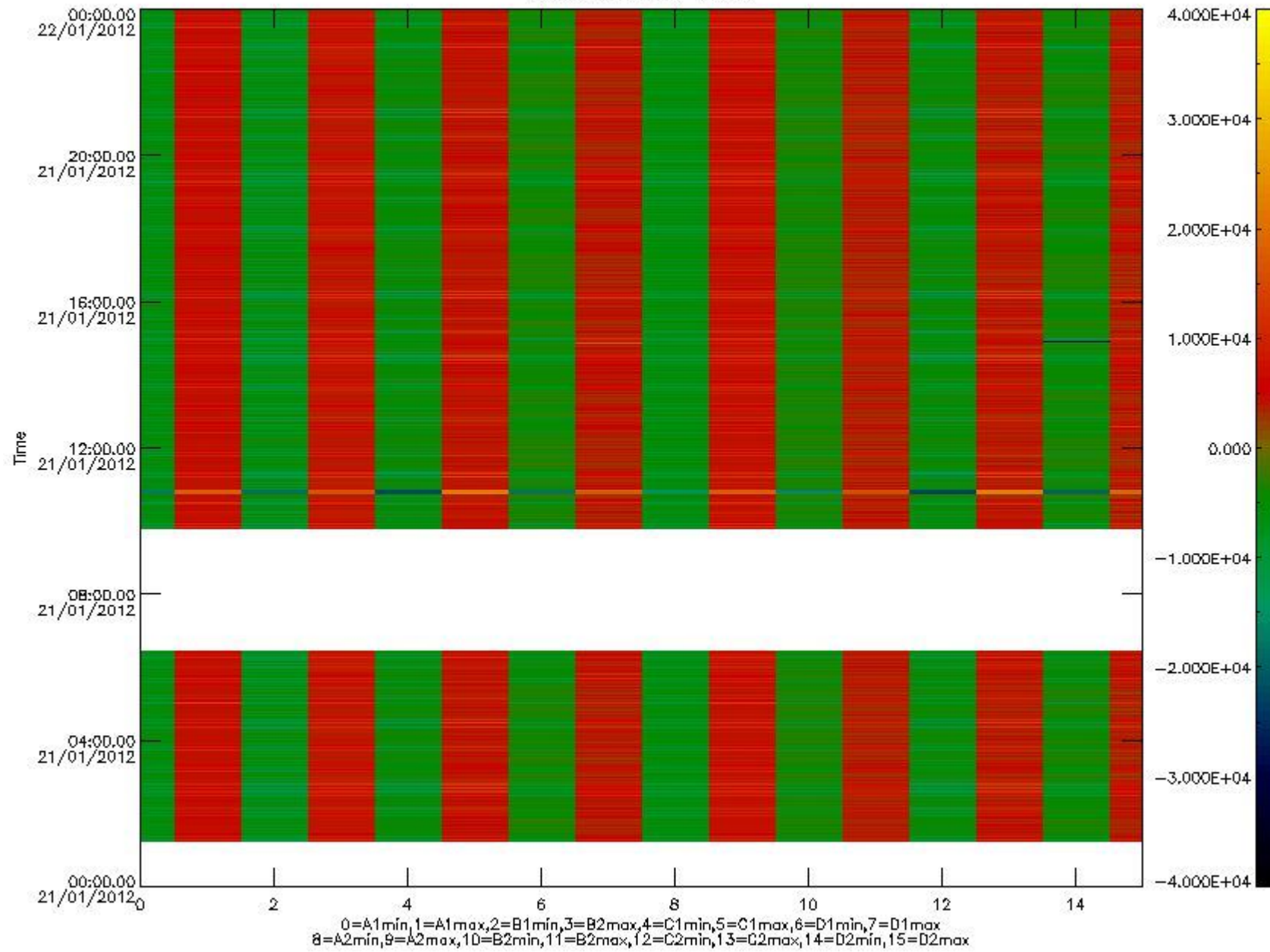
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120121\_10.PNG

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	-24050	22436	16bit
D1	-32768	32767	16bit
A2	-32768	28229	16bit
B2	-32768	32767	16bit
C2	-23513	23086	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\_20120121\_11.PNG

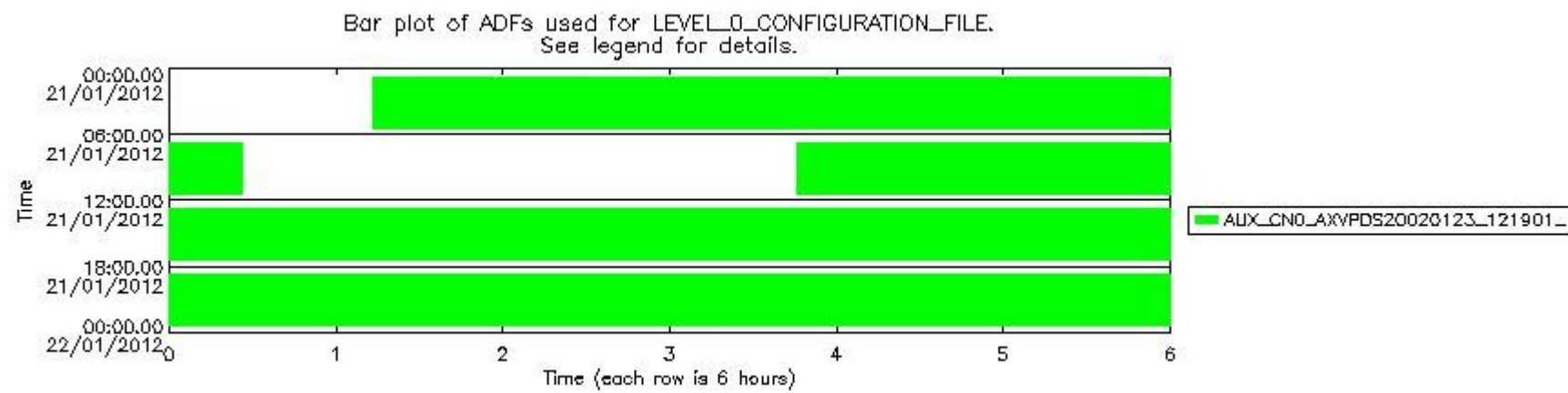
### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

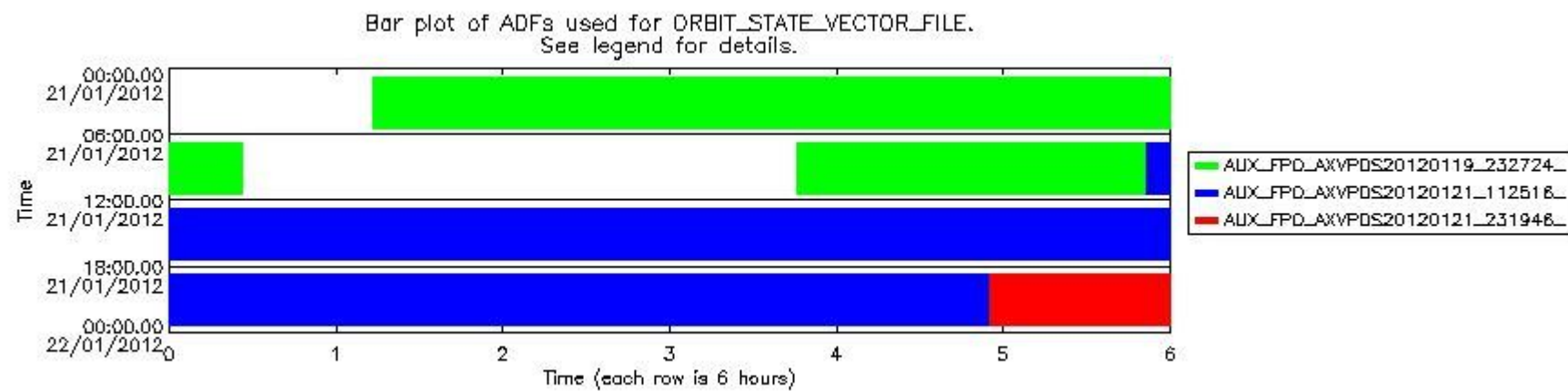
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120119_232724_20120119_192047_20120129_213426
2	AUX_FPO_AXVPDS20120121_112516_20120120_184402_20120130_205741
3	AUX_FPO_AXVPDS20120121_231946_20120121_194731_20120131_202056

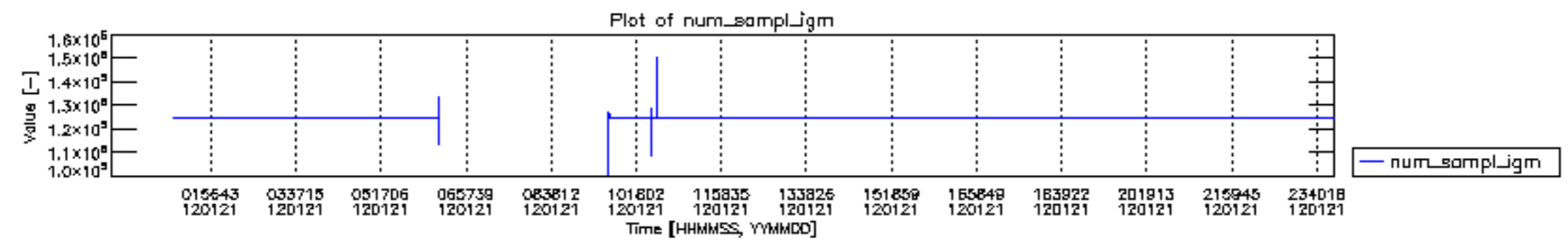
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20120121_011306_000102033111_00002_51740_5394.N1	0	1
1	MIP_NL__0PNPDE20120121_015532_000076563111_00003_51741_0674.N1	0	1
2	MIP_NL__0PNPDE20120121_040235_000062803111_00004_51742_5395.N1	0	1
3	MIP_NL__0PNPDE20120121_054641_000023503111_00005_51743_5396.N1	0	1
4	MIP_NL__0PNPDK20120121_094555_000017613111_00007_51745_8331.N1	0	1
5	MIP_NL__0PNPDK20120121_101337_000059673111_00008_51746_8332.N1	0	1
6	MIP_NL__0PNPDK20120121_115124_000061353111_00009_51747_8333.N1	0	2
7	MIP_NL__0PNPDK20120121_133241_000057873111_00010_51748_8334.N1	0	2
8	MIP_NL__0PNPDK20120121_150821_000060483111_00011_51749_8335.N1	0	2
9	MIP_NL__0PNPDK20120121_164835_000058553111_00012_51750_8336.N1	0	2
10	MIP_NL__0PNPDK20120121_182508_000058223111_00013_51751_8337.N1	0	2
11	MIP_NL__0PNPDE20120121_200032_000041633111_00014_51752_5397.N1	0	2
12	MIP_NL__0PNPDE20120121_210819_000064973111_00014_51752_5398.N1	0	2
13	MIP_NL__0PNPDE20120121_225529_000061063111_00015_51753_5399.N1	0	3

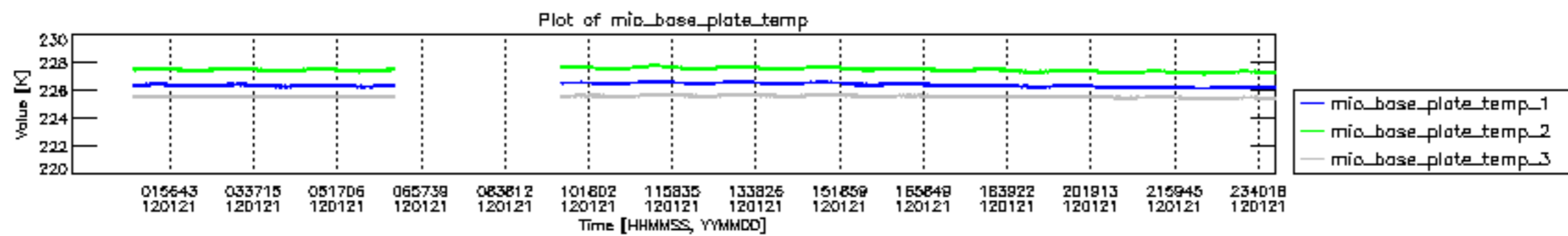


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120121\_12.PNG

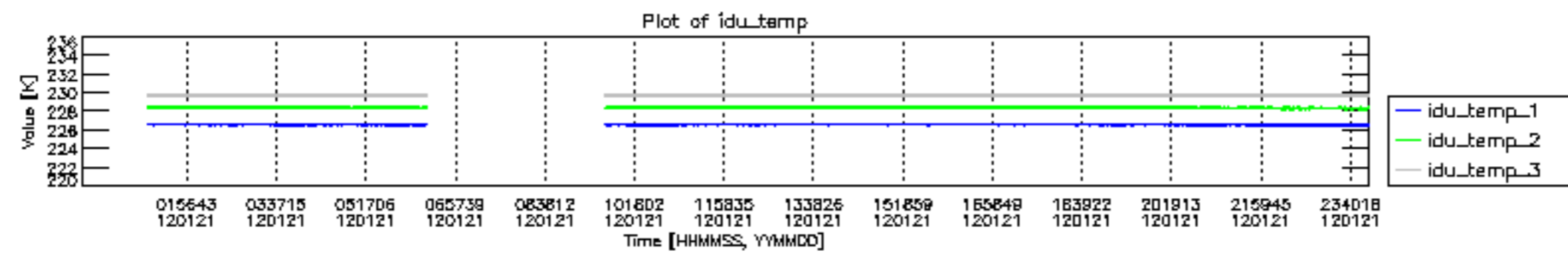


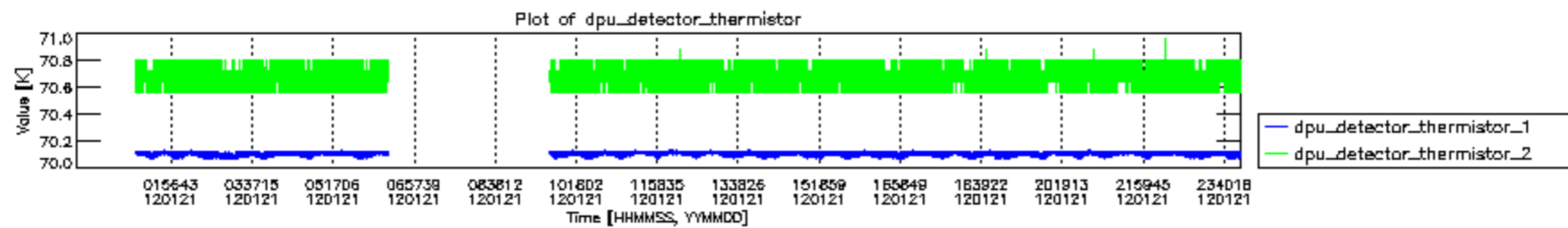
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120121\_13.PNG

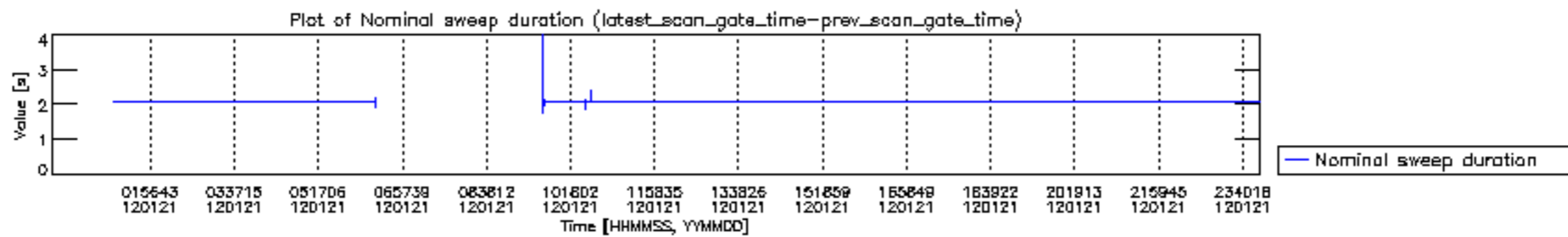


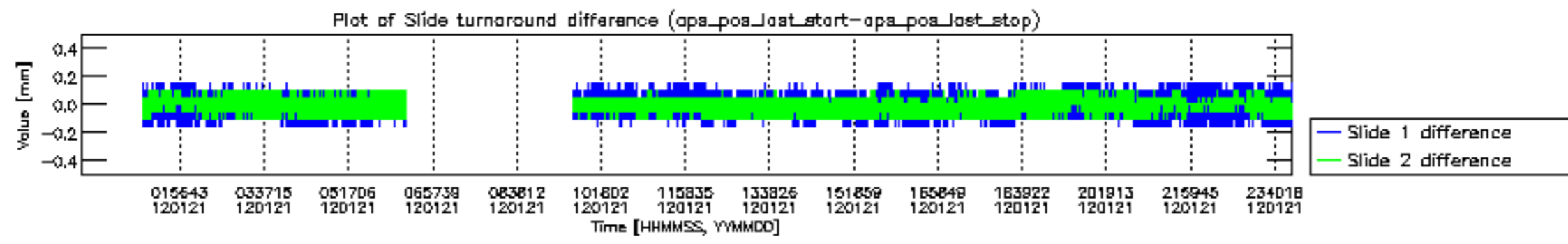


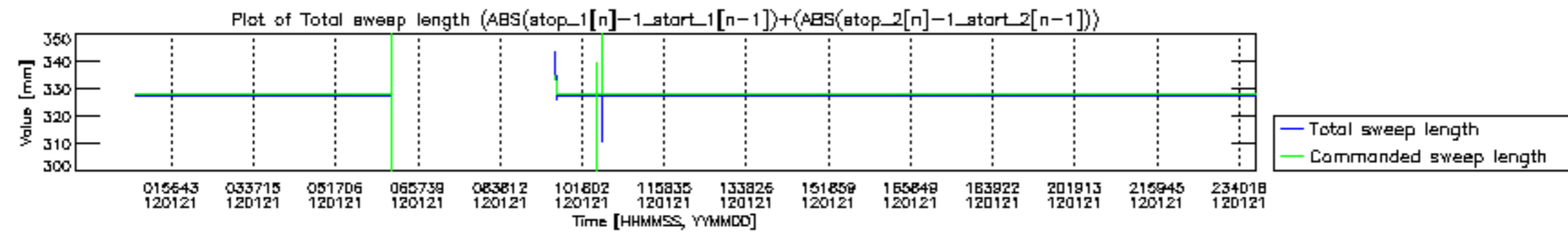




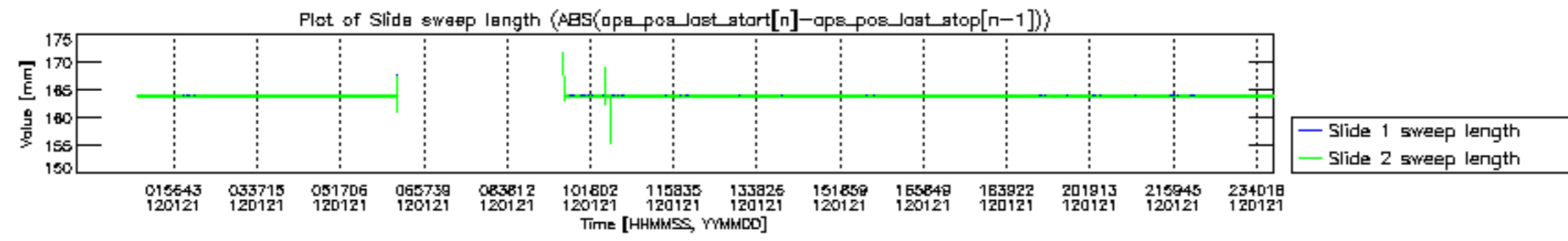


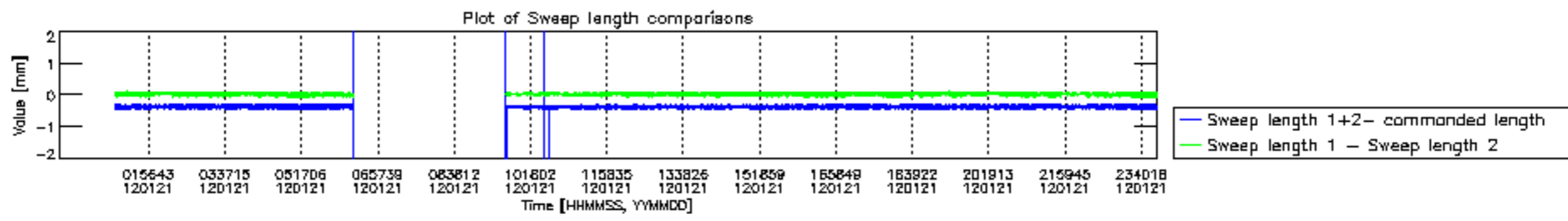


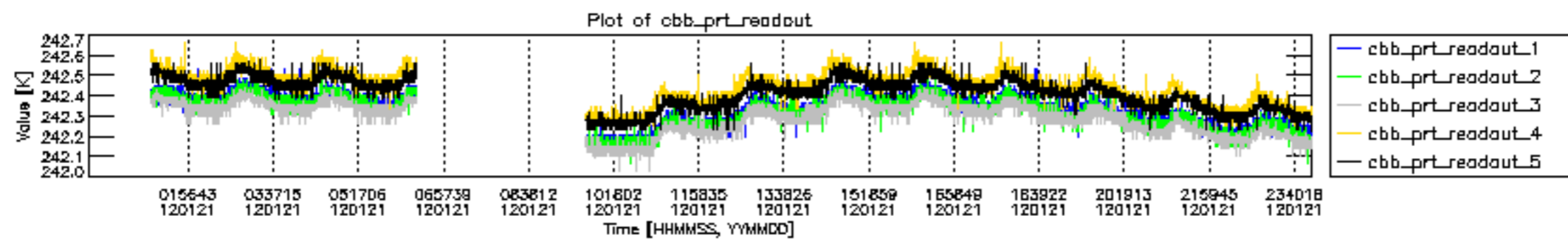


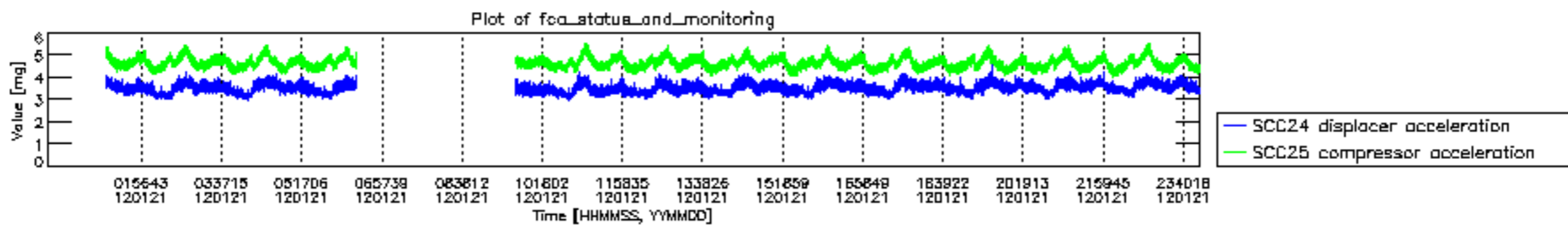




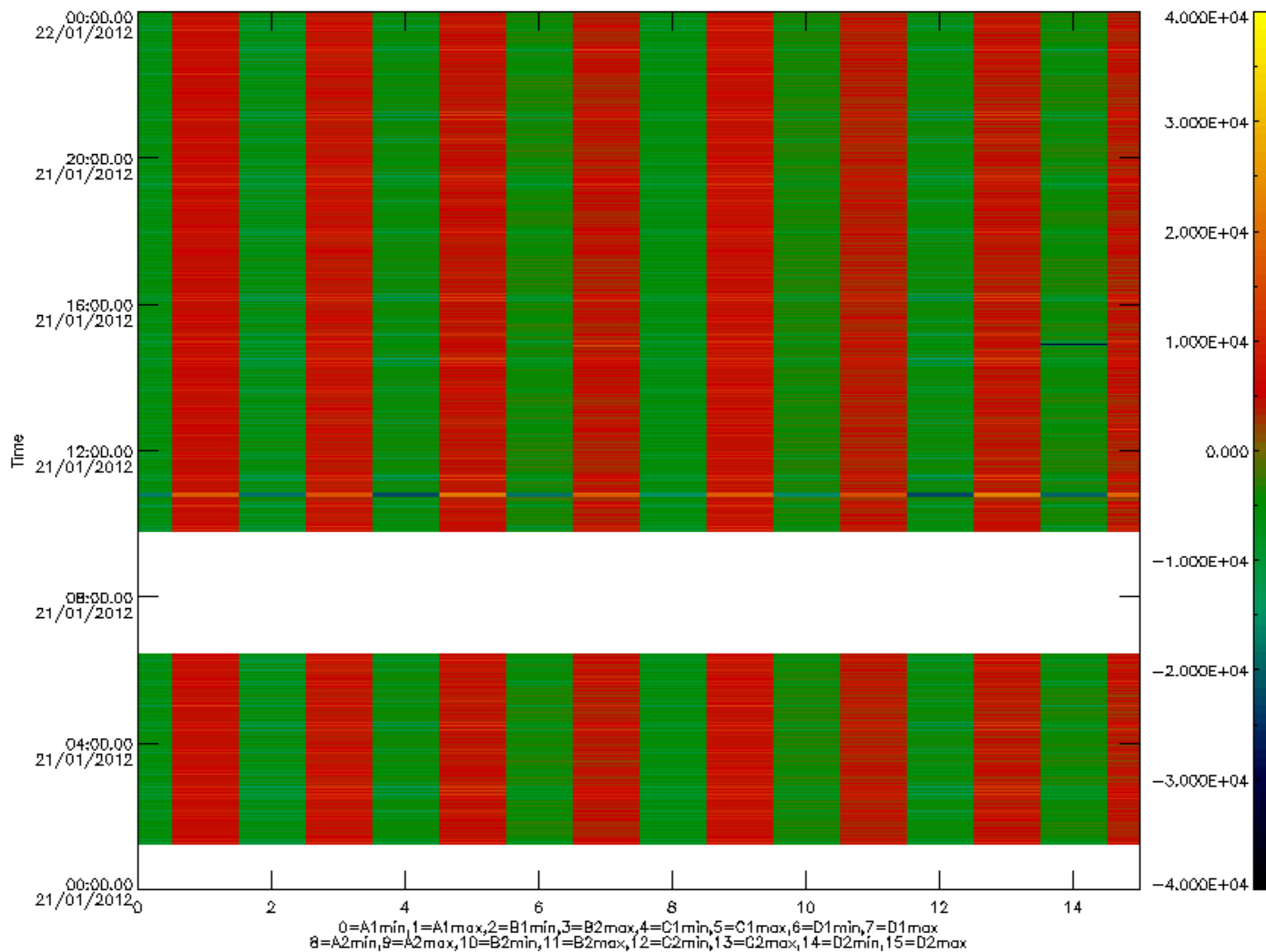




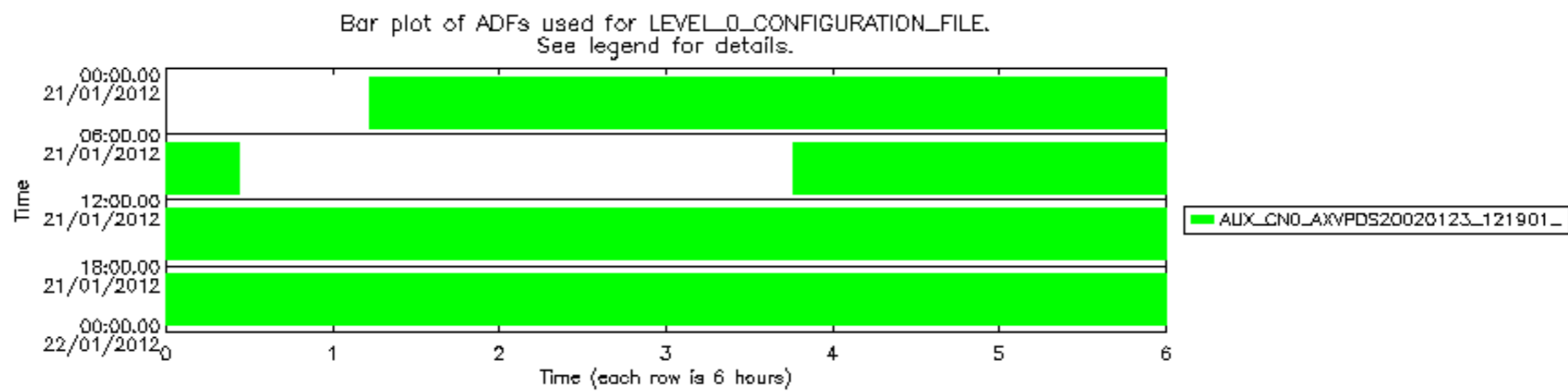




MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.







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

