

## 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	17MAR2012 05:23:36
Data source version	KSPT_L0/4504-N
Processing scope for products	12MAR2012 00:00:00 to 13MAR2012 00:00:00
Start time of first product within scope	12MAR2012 00:02:44
Stop time of last product within scope	13MAR2012 01:07:47
Total number of level 0 products	15
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__OPNPDE20120312_000244_000059933112_00303_52472_1205.N1	12MAR2012 00:02:44	12MAR2012 01:42:37	0	0	0	0	0
1	MIP_NL__OPNPDE20120312_014134_000043913112_00304_52473_1206.N1	12MAR2012 01:41:34	12MAR2012 02:54:45	0	0	0	0	0
2	MIP_NL__OPNPDE20120312_025412_000061693112_00305_52474_1207.N1	12MAR2012 02:54:12	12MAR2012 04:37:01	0	0	0	0	0
3	MIP_NL__OPNPDE20120312_043628_000060623112_00306_52475_1208.N1	12MAR2012 04:36:28	12MAR2012 06:17:30	0	0	0	0	0
4	MIP_NL__OPNPDK20120312_061657_000040673112_00307_52476_8852.N1	12MAR2012 06:16:57	12MAR2012 07:24:44	0	0	0	0	0
5	MIP_NL__OPNPDK20120312_072410_000061653112_00308_52477_8853.N1	12MAR2012 07:24:10	12MAR2012 09:06:55	0	0	0	0	0
6	MIP_NL__OPNPDK20120312_090611_000058913112_00309_52478_8854.N1	12MAR2012 09:06:11	12MAR2012 10:44:23	0	0	0	0	0
7	MIP_NL__OPNPDK20120312_104314_000060833112_00310_52479_8855.N1	12MAR2012 10:43:14	12MAR2012 12:24:37	0	0	0	0	0
8	MIP_NL__OPNPDK20120312_140125_000059473112_00312_52481_8857.N1	12MAR2012 14:01:25	12MAR2012 15:40:32	0	0	0	0	0
9	MIP_NL__OPNPDK20120312_170102_000002593112_00314_52483_8859.N1	12MAR2012 17:01:02	12MAR2012 17:05:21	0	0	0	0	0
10	MIP_NL__OPNPDK20120312_170521_000006813112_00314_52483_8861.N1	12MAR2012 17:05:21	12MAR2012 17:16:42	0	0	0	0	0
11	MIP_NL__OPNPDK20120312_171543_000059483112_00314_52483_8862.N1	12MAR2012 17:15:43	12MAR2012 18:54:51	0	0	0	0	0
12	MIP_NL__OPNPDE20120312_203417_000043623112_00316_52485_1209.N1	12MAR2012 20:34:17	12MAR2012 21:46:59	0	0	0	0	0
13	MIP_NL__OPNPDE20120312_214559_000060253112_00316_52485_1210.N1	12MAR2012 21:45:59	12MAR2012 23:26:24	1	0	1	0	0
14	MIP_NL__OPNPDE20120312_232519_000061483112_00317_52486_1211.N1	12MAR2012 23:25:19	13MAR2012 01:07:47	0	0	0	0	0

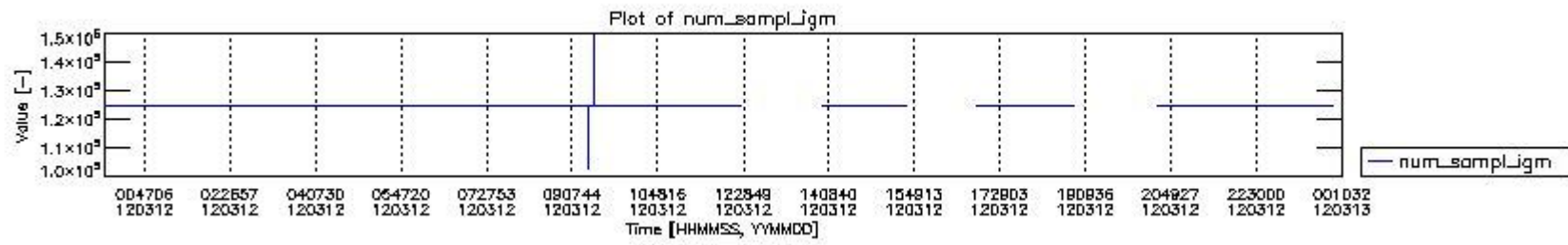
## 0.2 Instrument Operational Performance Parameters

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.

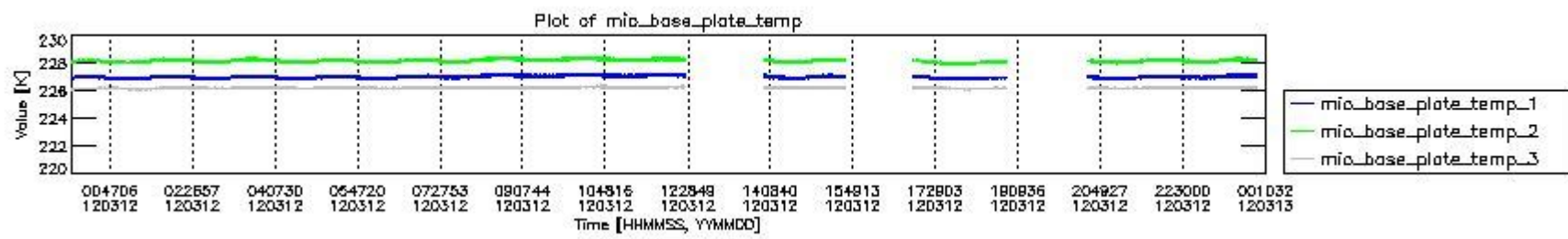
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
102816	1	0.0029817813
103742	1	0.0029817813
123874	1	0.0029817813

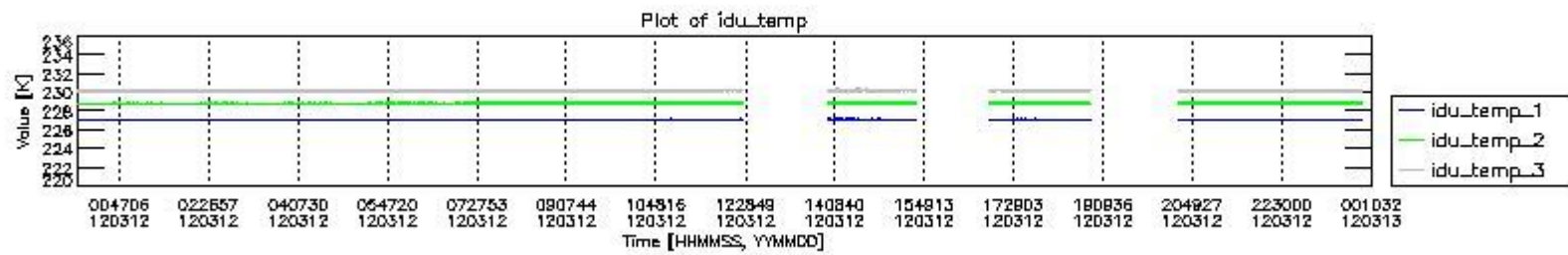
124800	31156	92.900379
124803	2375	7.0817306
127159	1	0.0029817813
147291	1	0.0029817813
149650	1	0.0029817813



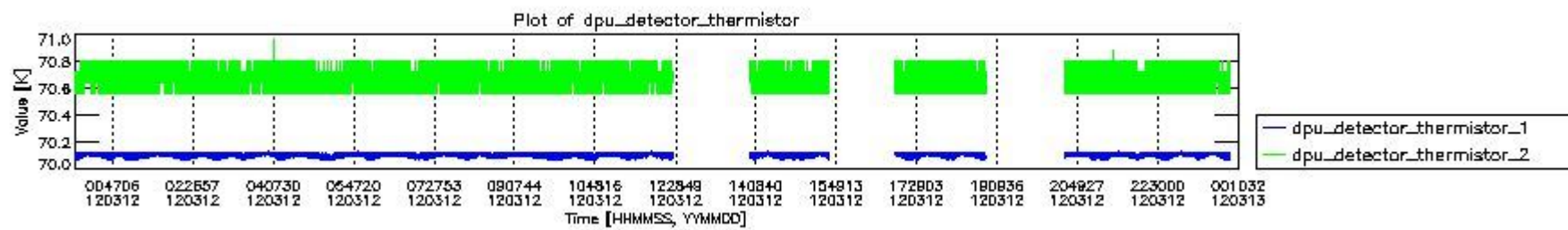
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120312\_0.PNG



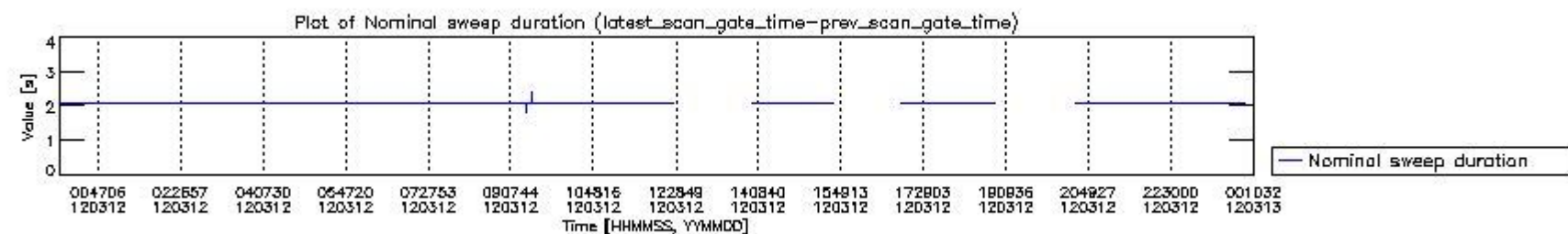
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120312\_1.PNG



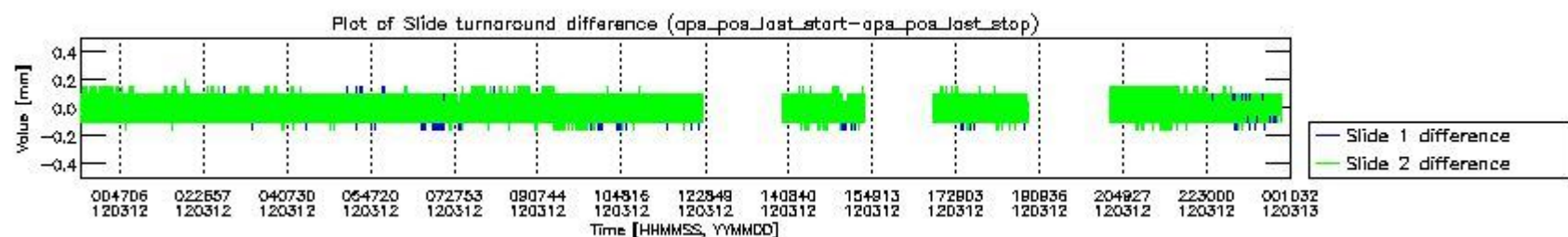
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120312\_2.PNG



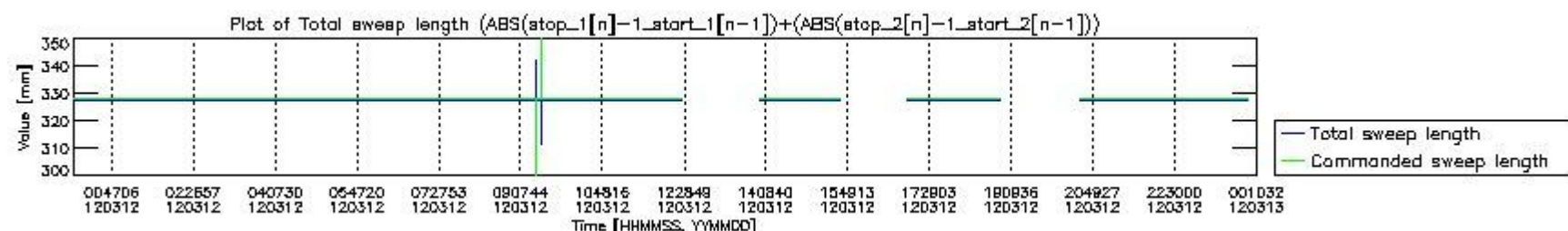
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120312\_3.PNG



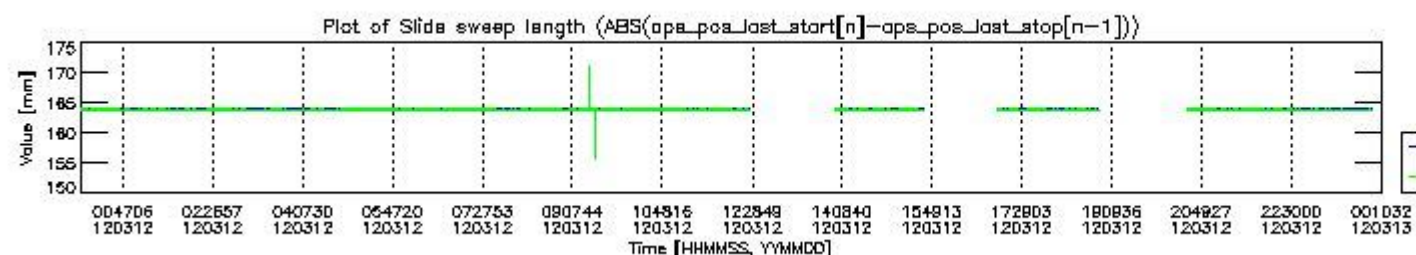
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120312\_4.PNG



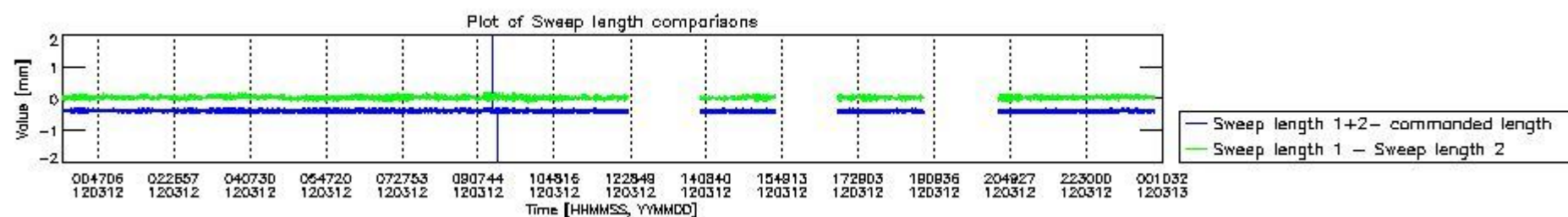
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120312\_5.PNG



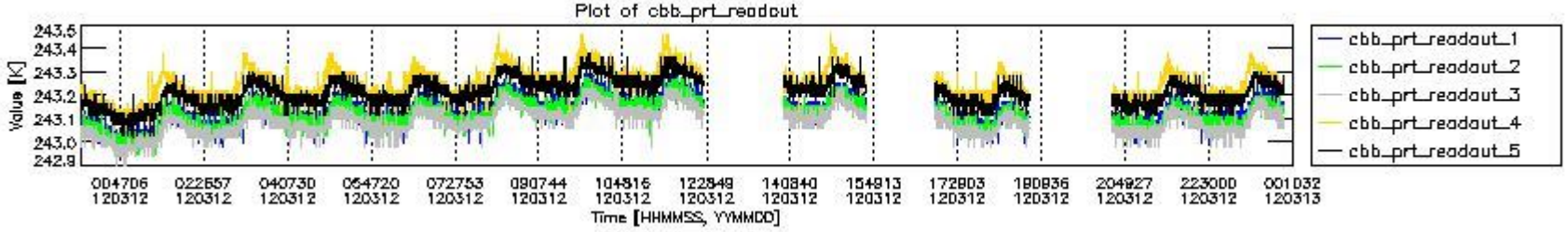
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120312\_6.PNG



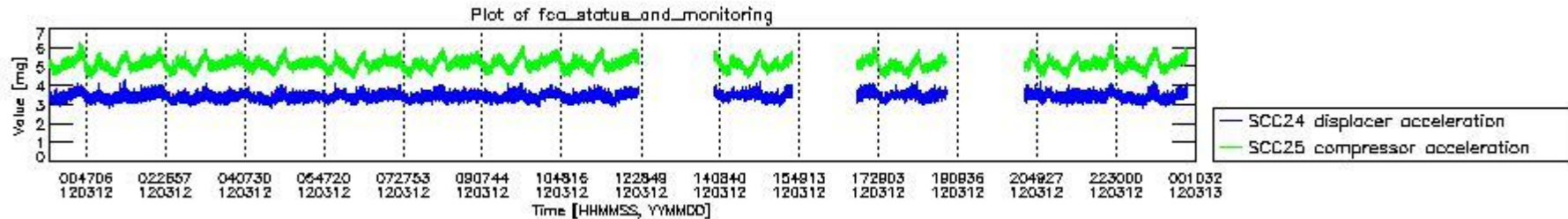
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120312\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120312\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120312\_9.PNG



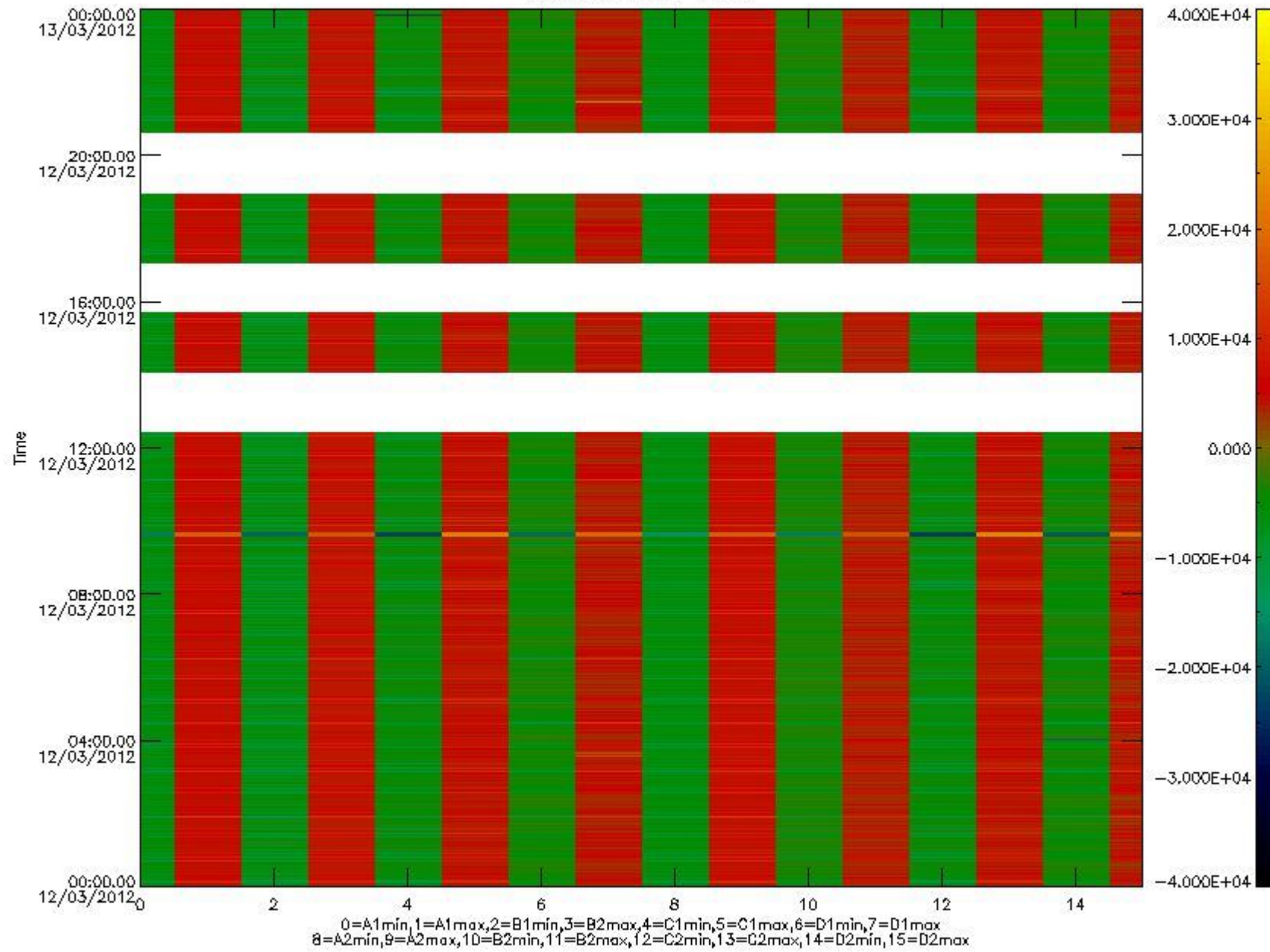
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120312\_10.PNG

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

Channel	Min	Max	ADC
A1	-17387	18333	16bit
B1	-19445	16847	16bit
C1	-24350	23113	16bit
D1	-32768	32767	16bit
A2	-15180	18560	16bit
B2	-17174	16944	16bit
C2	-24331	24414	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\_20120312\_11.PNG

### 0.3 ADF monitoring

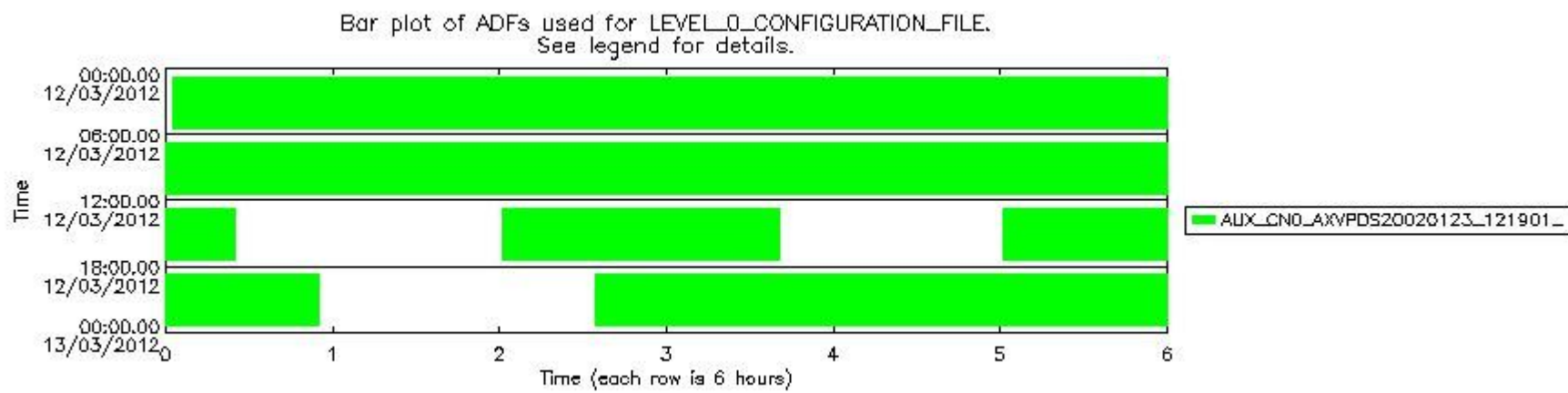
The use of ADFs is shown in two ways:

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.

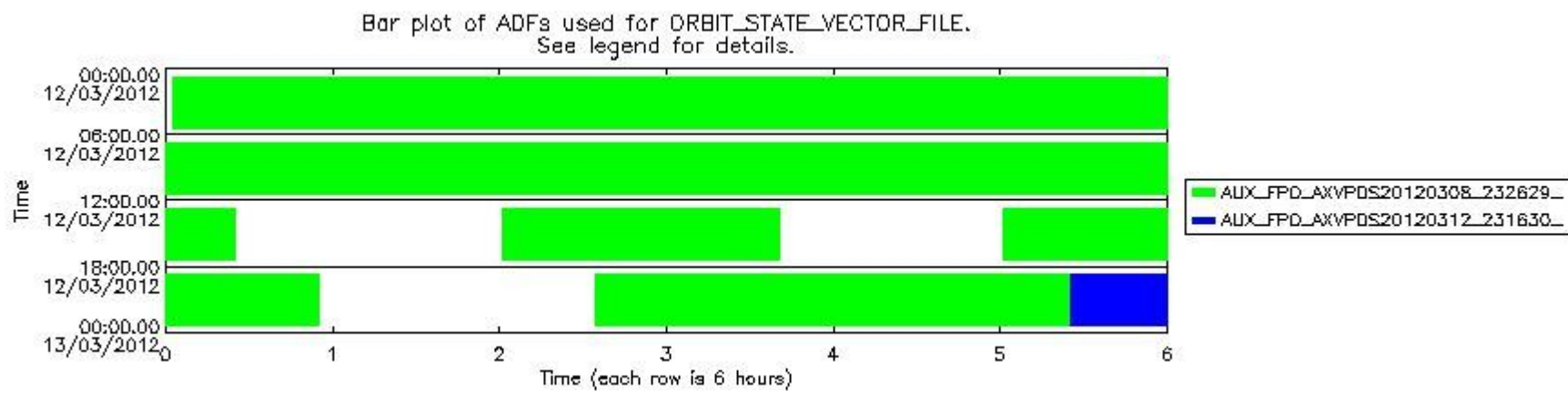
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120308_232629_20120308_192413_20120318_213752
2	AUX_FPO_AXVPDS20120312_231630_20120311_191412_20120321_212753

Number	Product name	#CN0	#FPO
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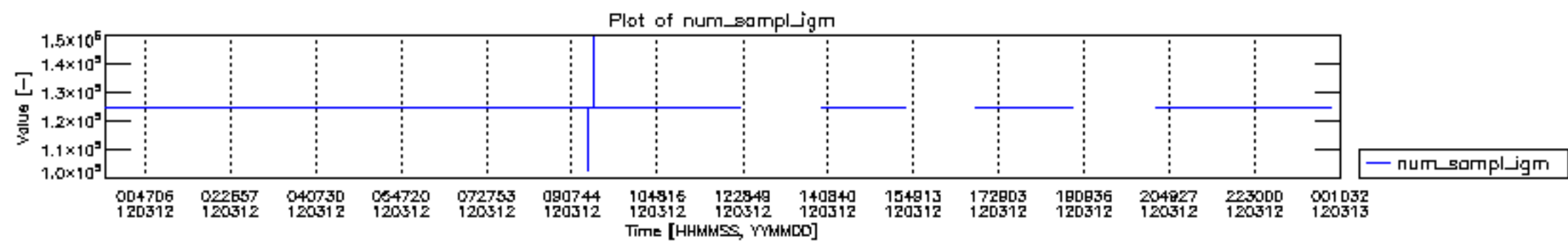
0	MIP_NL__0PNPDE20120312_000244_000059933112_00303_52472_1205.N1	0	1
1	MIP_NL__0PNPDE20120312_014134_000043913112_00304_52473_1206.N1	0	1
2	MIP_NL__0PNPDE20120312_025412_000061693112_00305_52474_1207.N1	0	1
3	MIP_NL__0PNPDE20120312_043628_000060623112_00306_52475_1208.N1	0	1
4	MIP_NL__0PNPDK20120312_061657_000040673112_00307_52476_8852.N1	0	1
5	MIP_NL__0PNPDK20120312_072410_000061653112_00308_52477_8853.N1	0	1
6	MIP_NL__0PNPDK20120312_090611_000058913112_00309_52478_8854.N1	0	1
7	MIP_NL__0PNPDK20120312_104314_000060833112_00310_52479_8855.N1	0	1
8	MIP_NL__0PNPDK20120312_140125_000059473112_00312_52481_8857.N1	0	1
9	MIP_NL__0PNPDK20120312_170102_000002593112_00314_52483_8859.N1	0	1
10	MIP_NL__0PNPDK20120312_170521_000006813112_00314_52483_8861.N1	0	1
11	MIP_NL__0PNPDK20120312_171543_000059483112_00314_52483_8862.N1	0	1
12	MIP_NL__0PNPDE20120312_203417_000043623112_00316_52485_1209.N1	0	1
13	MIP_NL__0PNPDE20120312_214559_000060253112_00316_52485_1210.N1	0	1
14	MIP_NL__0PNPDE20120312_232519_000061483112_00317_52486_1211.N1	0	2

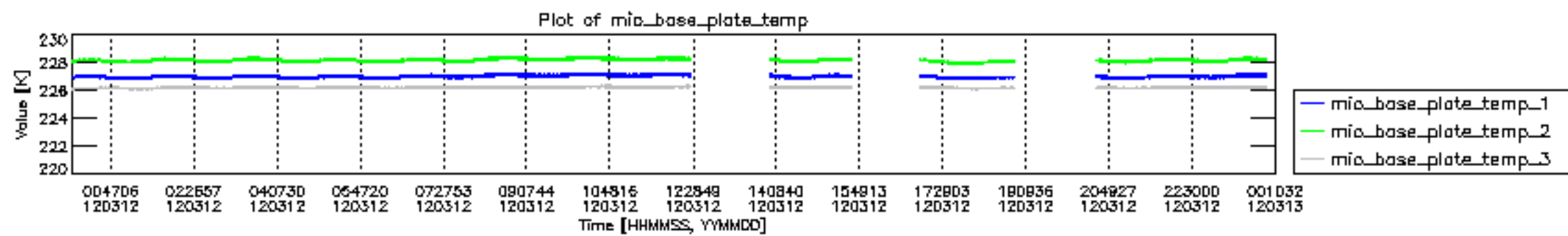


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120312\_12.PNG

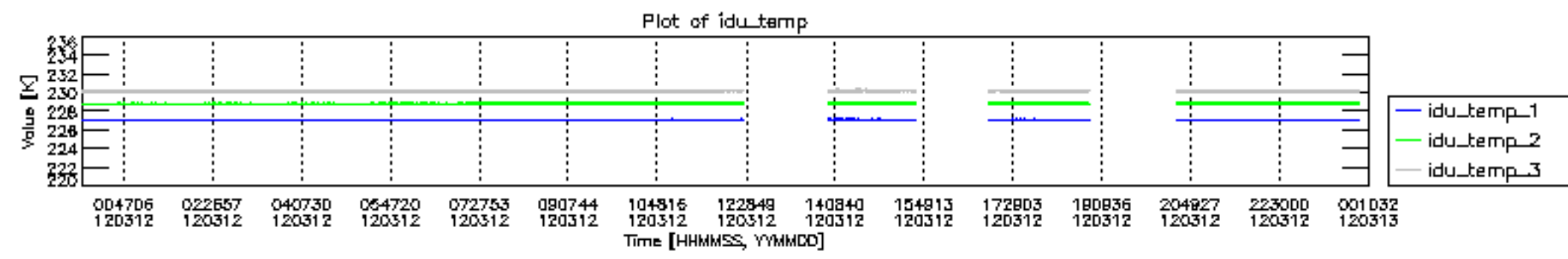


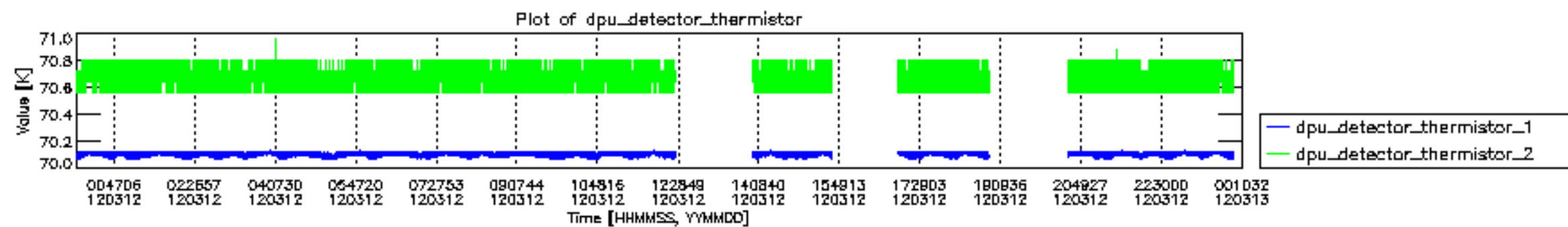
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120312\_13.PNG

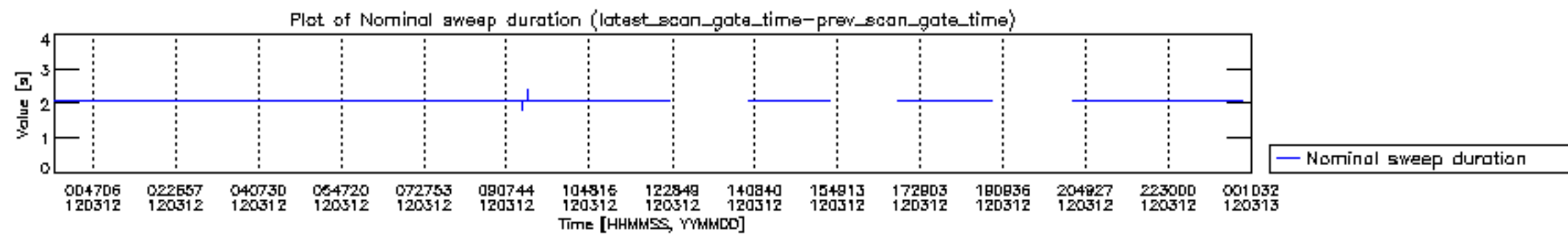


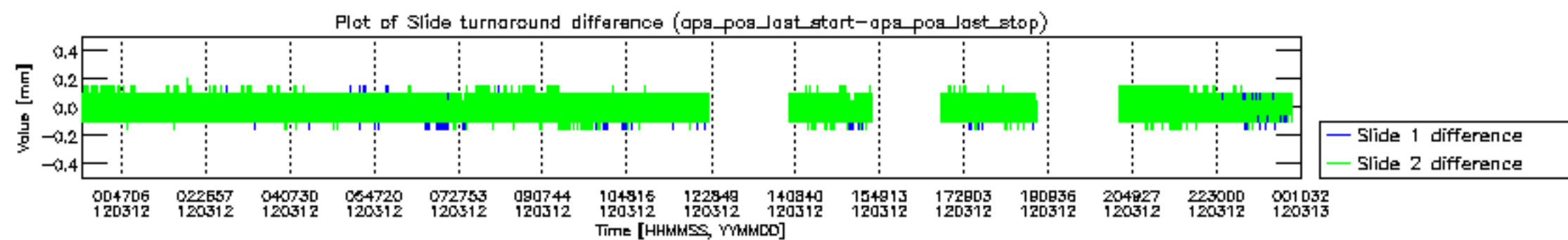


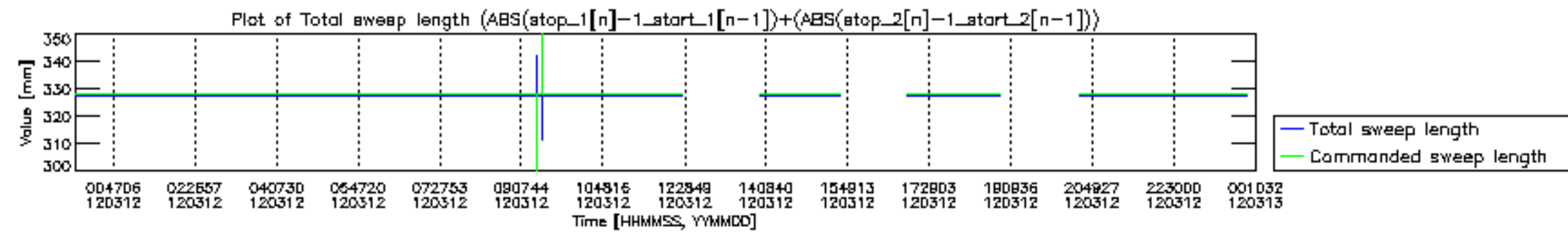




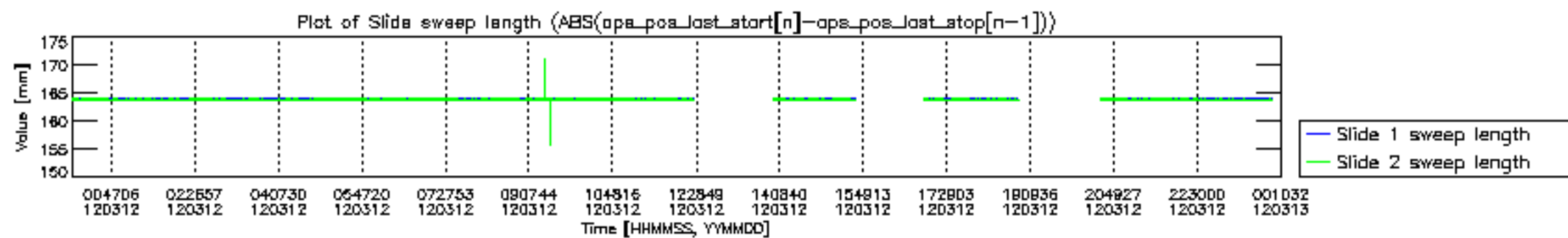


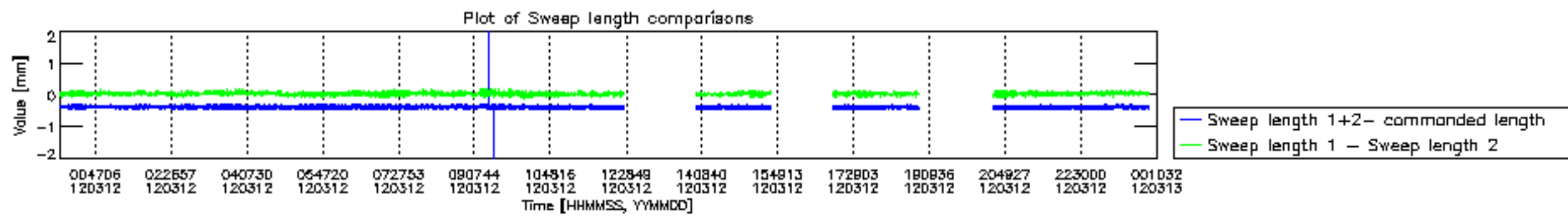


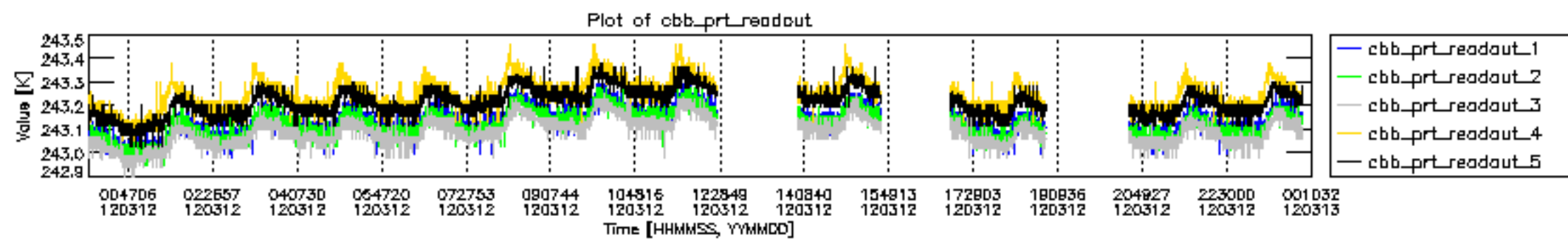


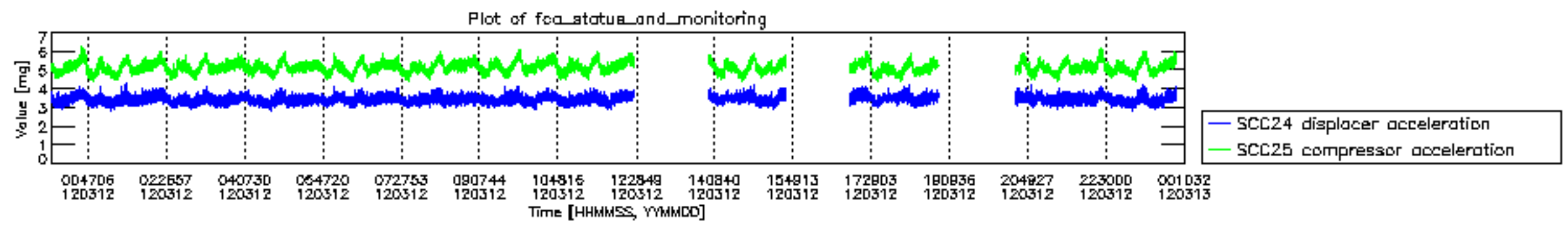




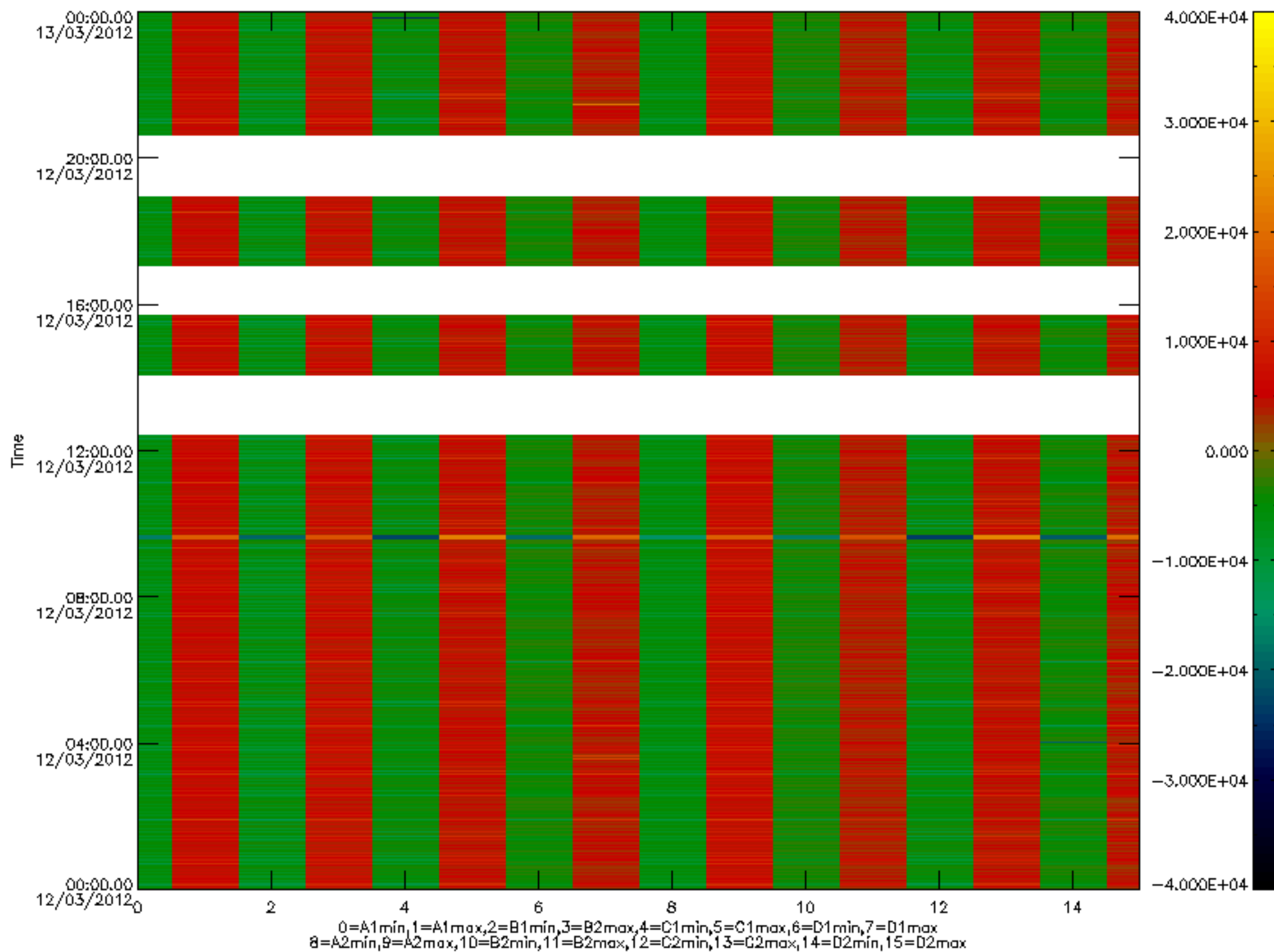




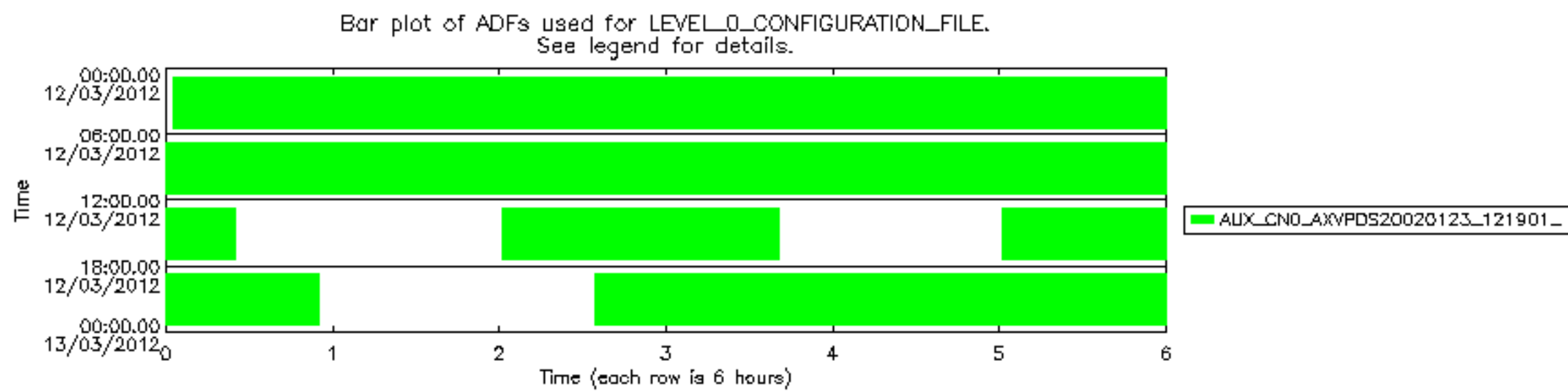




MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.







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

