

## 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	21JAN2012 05:21:57
Data source version	KSPT_L0/4504-N
Processing scope for products	16JAN2012 00:00:00 to 17JAN2012 00:00:00
Start time of first product within scope	16JAN2012 00:56:12
Stop time of last product within scope	17JAN2012 00:21:18
Total number of level 0 products	15
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__OPNPDE20120116_005612_000055173110_00361_51668_5358.N1	16JAN2012 00:56:12	16JAN2012 02:28:09	0	0	0	0	0
1	MIP_NL__OPNPDE20120116_022712_000047963110_00362_51669_5359.N1	16JAN2012 02:27:12	16JAN2012 03:47:09	0	0	0	0	0
2	MIP_NL__OPNPDE20120116_034631_000061583110_00363_51670_5360.N1	16JAN2012 03:46:31	16JAN2012 05:29:09	0	0	0	0	0
3	MIP_NL__OPNPDE20120116_052832_000060553110_00364_51671_5361.N1	16JAN2012 05:28:32	16JAN2012 07:09:27	0	0	0	0	0
4	MIP_NL__OPNPDK20120116_070849_000040843110_00365_51672_8279.N1	16JAN2012 07:08:49	16JAN2012 08:16:53	0	0	0	0	0
5	MIP_NL__OPNPDK20120116_081546_000060503110_00366_51673_8280.N1	16JAN2012 08:15:46	16JAN2012 09:56:36	0	0	0	0	0
6	MIP_NL__OPNPDK20120116_095506_000061353110_00367_51674_8281.N1	16JAN2012 09:55:06	16JAN2012 11:37:22	0	0	0	0	0
7	MIP_NL__OPNPDK20120116_113516_000060713110_00368_51675_8282.N1	16JAN2012 11:35:16	16JAN2012 13:16:27	0	0	0	0	0
8	MIP_NL__OPNPDK20120116_131522_000059033110_00369_51676_8283.N1	16JAN2012 13:15:22	16JAN2012 14:53:46	0	0	0	0	0
9	MIP_NL__OPNPDK20120116_145136_000058933110_00370_51677_8284.N1	16JAN2012 14:51:36	16JAN2012 16:29:49	0	0	0	0	0
10	MIP_NL__OPNPDK20120116_162840_000060373110_00371_51678_8285.N1	16JAN2012 16:28:40	16JAN2012 18:09:17	0	0	0	0	0
11	MIP_NL__OPNPDK20120116_180810_000059643110_00372_51679_8286.N1	16JAN2012 18:08:10	16JAN2012 19:47:34	0	0	0	0	0
12	MIP_NL__OPNPDE20120116_194550_000041533110_00373_51680_5362.N1	16JAN2012 19:45:50	16JAN2012 20:55:03	0	0	0	0	0
13	MIP_NL__OPNPDE20120116_205356_000063363110_00373_51680_5363.N1	16JAN2012 20:53:56	16JAN2012 22:39:32	0	0	0	0	0
14	MIP_NL__OPNPDE20120116_223825_000061733110_00374_51681_5364.N1	16JAN2012 22:38:25	17JAN2012 00:21:18	0	0	0	0	0

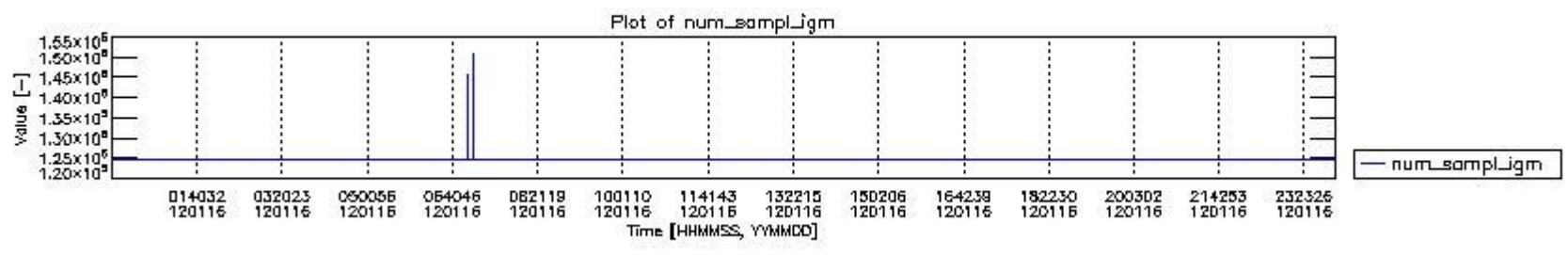
## 0.2 Instrument Operational Performance Parameters

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.

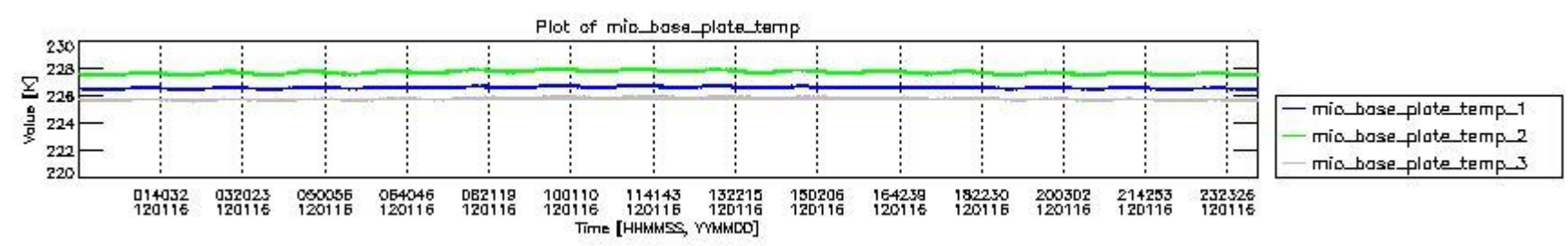
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124800	38787	92.887420
124803	2964	7.0982111
125077	1	0.0023948081

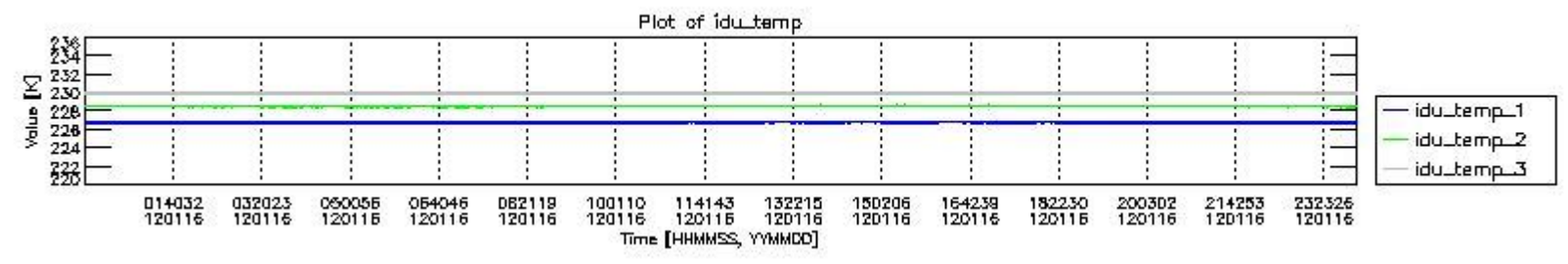
127754	1	0.0023948081
145209	1	0.0023948081
145486	1	0.0023948081
147886	1	0.0023948081
150840	1	0.0023948081



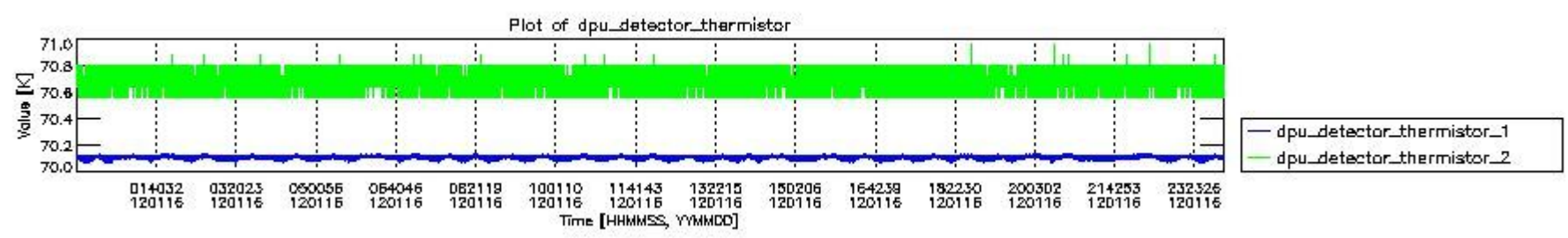
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120116\_0.PNG



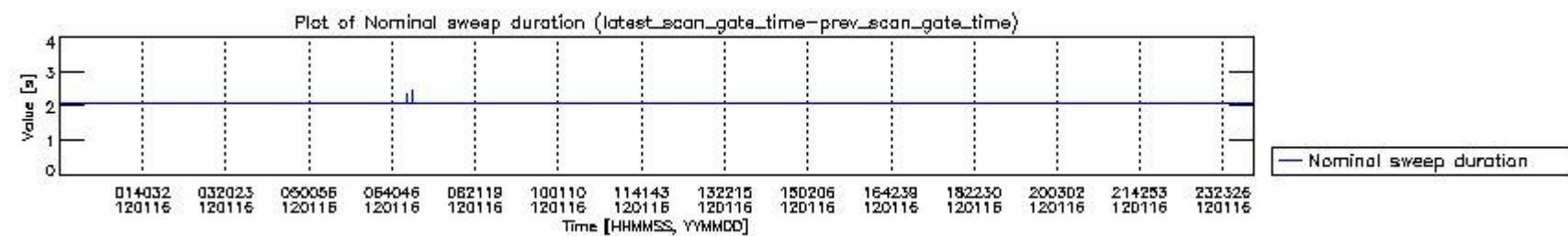
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120116\_1.PNG



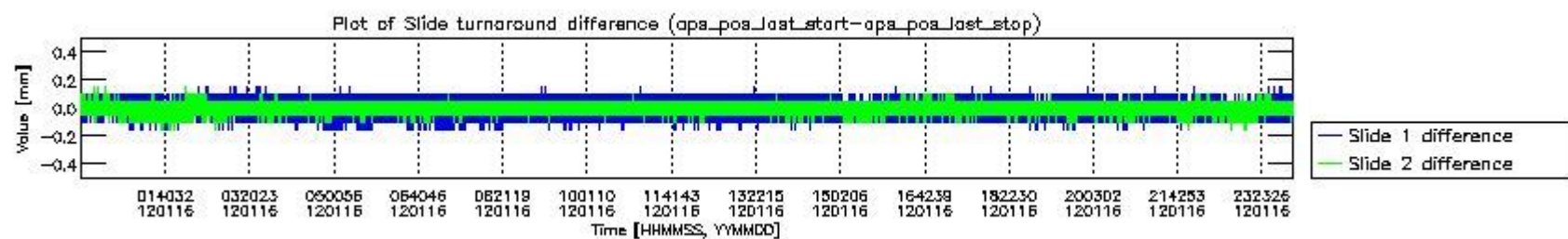
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120116\_2.PNG



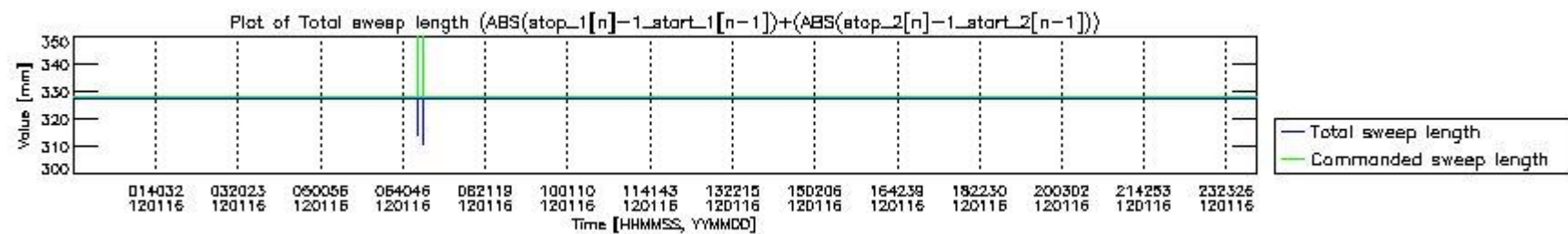
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120116\_3.PNG



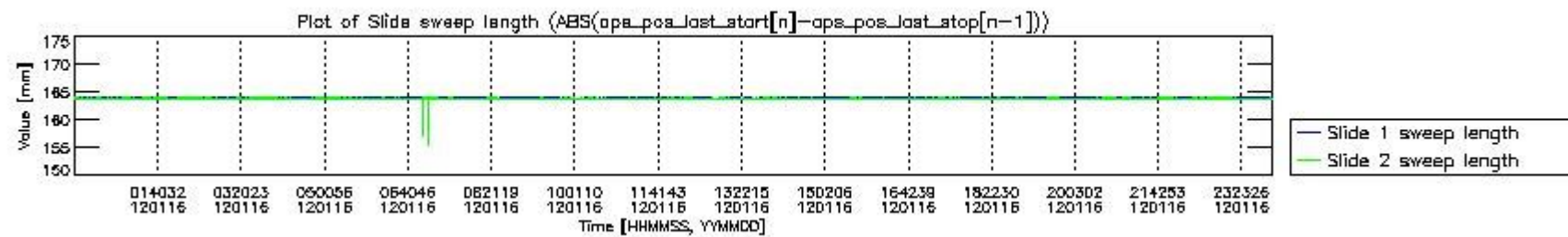
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120116\_4.PNG



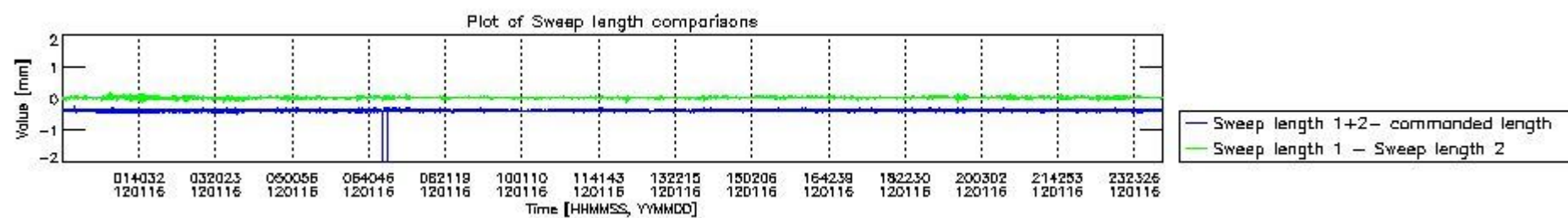
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120116\_5.PNG



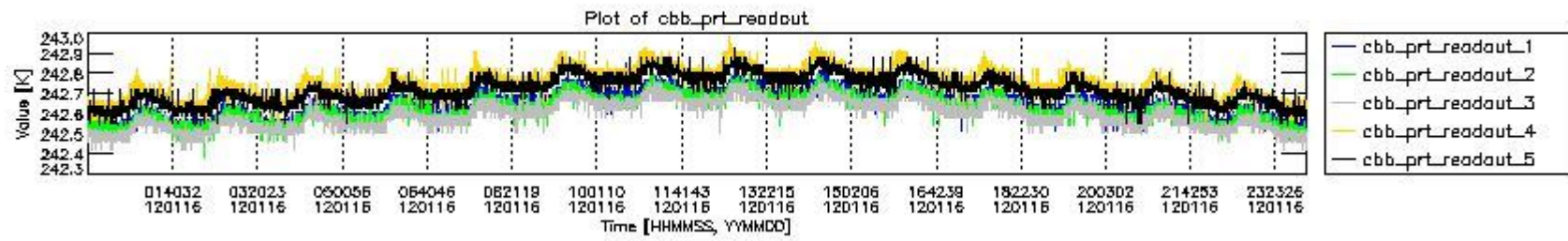
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120116\_6.PNG



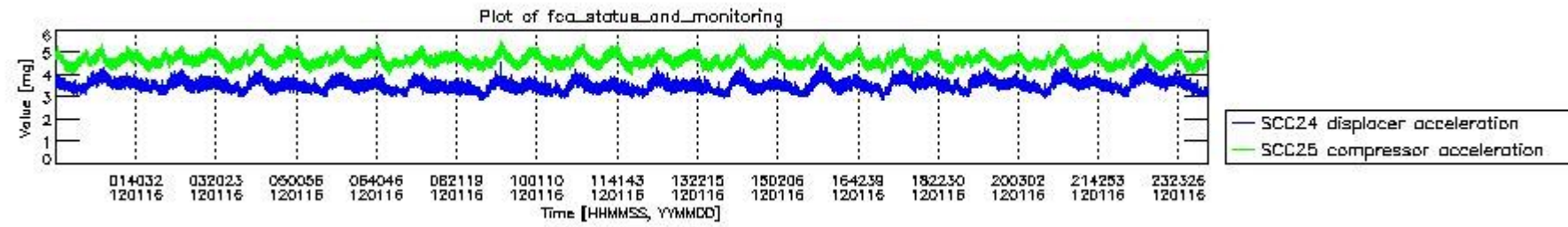
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120116\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120116\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120116\_9.PNG

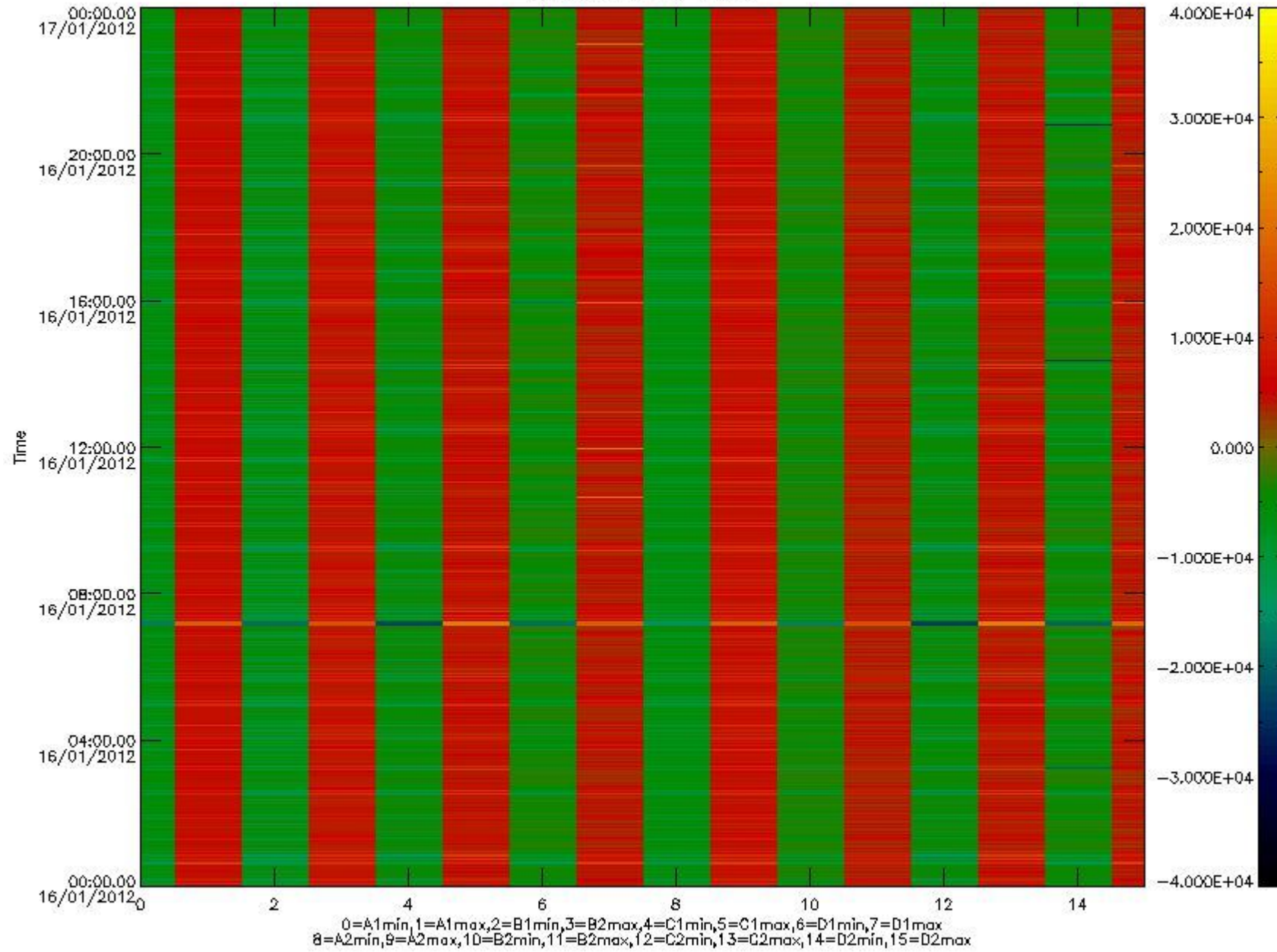


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120116\_10.PNG

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

Channel	Min	Max	ADC
A1	-17528	18494	16bit
B1	-19359	16756	16bit
C1	-25419	22764	16bit
D1	-22324	32767	16bit
A2	-15251	18699	16bit
B2	-17133	16882	16bit
C2	-23869	24049	16bit
D2	-32768	26235	16bit

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



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120116\_11.PNG

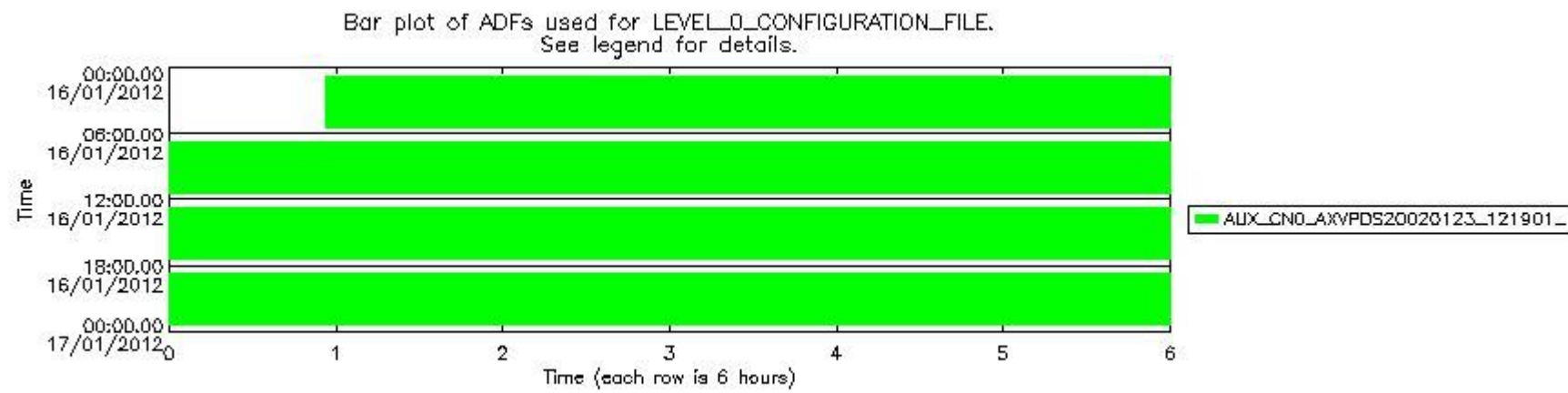
### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

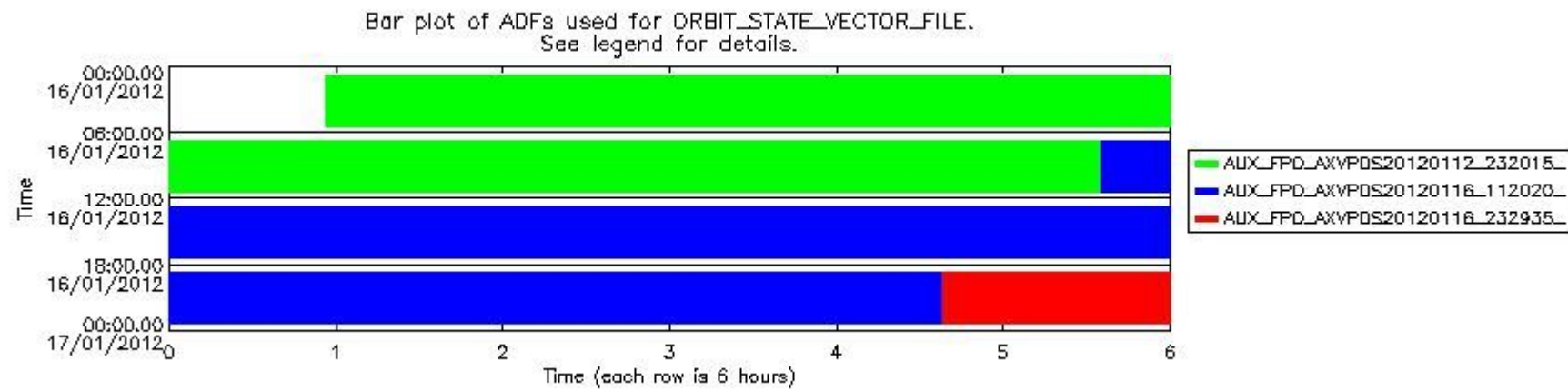
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120112_232015_20120112_183719_20120122_205100
2	AUX_FPO_AXVPDS20120116_112020_20120115_182719_20120125_204059
3	AUX_FPO_AXVPDS20120116_232935_20120116_193048_20120126_200414

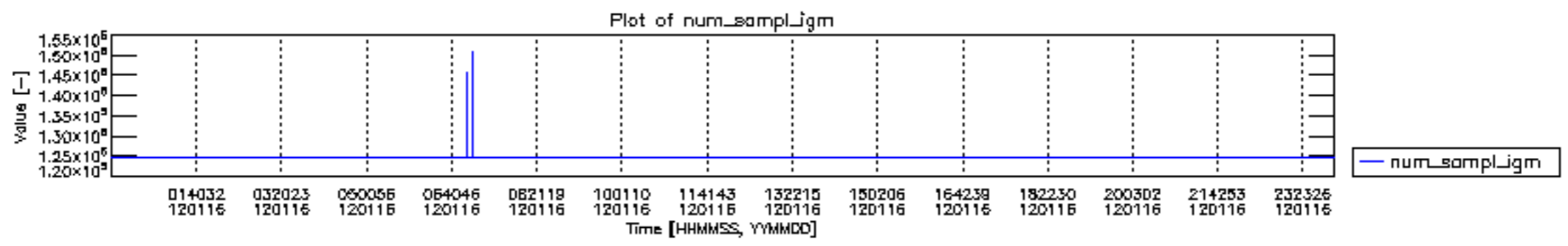
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20120116_005612_000055173110_00361_51668_5358.N1	0	1
1	MIP_NL__0PNPDE20120116_022712_000047963110_00362_51669_5359.N1	0	1
2	MIP_NL__0PNPDE20120116_034631_000061583110_00363_51670_5360.N1	0	1
3	MIP_NL__0PNPDE20120116_052832_000060553110_00364_51671_5361.N1	0	1
4	MIP_NL__0PNPDK20120116_070849_000040843110_00365_51672_8279.N1	0	1
5	MIP_NL__0PNPDK20120116_081546_000060503110_00366_51673_8280.N1	0	1
6	MIP_NL__0PNPDK20120116_095506_000061353110_00367_51674_8281.N1	0	1
7	MIP_NL__0PNPDK20120116_113516_000060713110_00368_51675_8282.N1	0	2
8	MIP_NL__0PNPDK20120116_131522_000059033110_00369_51676_8283.N1	0	2
9	MIP_NL__0PNPDK20120116_145136_000058933110_00370_51677_8284.N1	0	2
10	MIP_NL__0PNPDK20120116_162840_000060373110_00371_51678_8285.N1	0	2
11	MIP_NL__0PNPDK20120116_180810_000059643110_00372_51679_8286.N1	0	2
12	MIP_NL__0PNPDE20120116_194550_000041533110_00373_51680_5362.N1	0	2
13	MIP_NL__0PNPDE20120116_205356_000063363110_00373_51680_5363.N1	0	2
14	MIP_NL__0PNPDE20120116_223825_000061733110_00374_51681_5364.N1	0	3

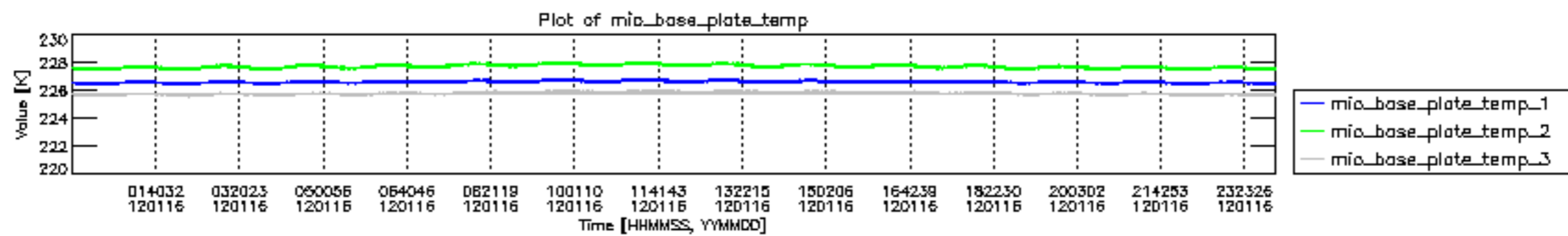


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120116\_12.PNG

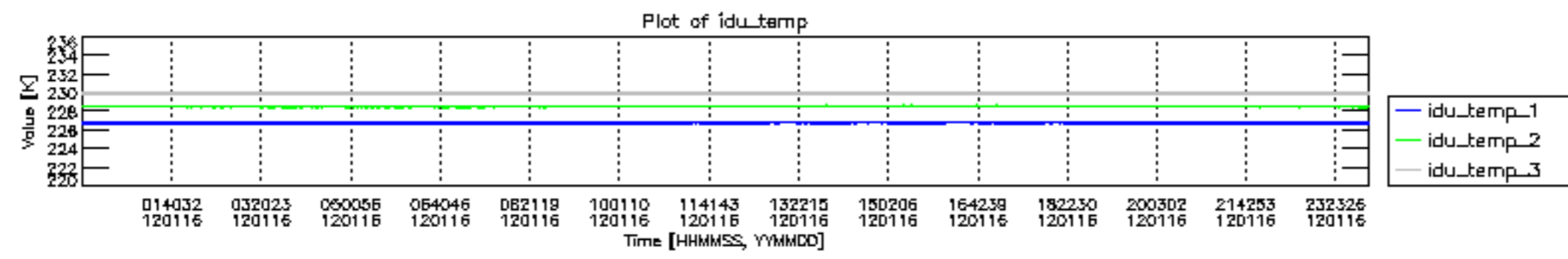


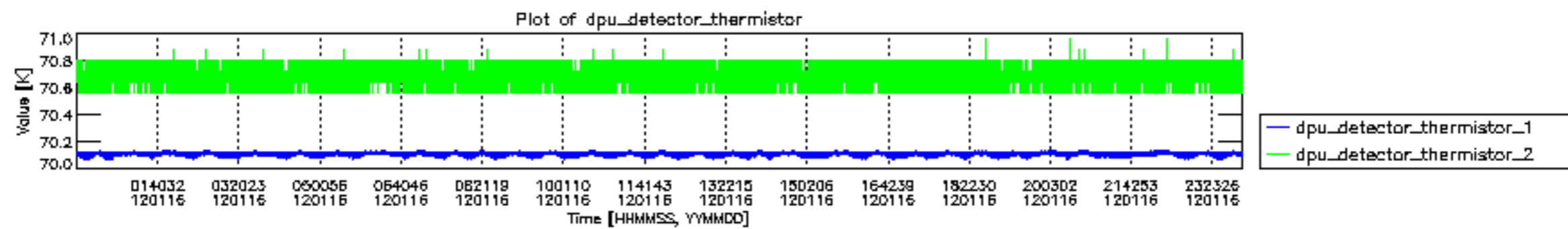
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120116\_13.PNG

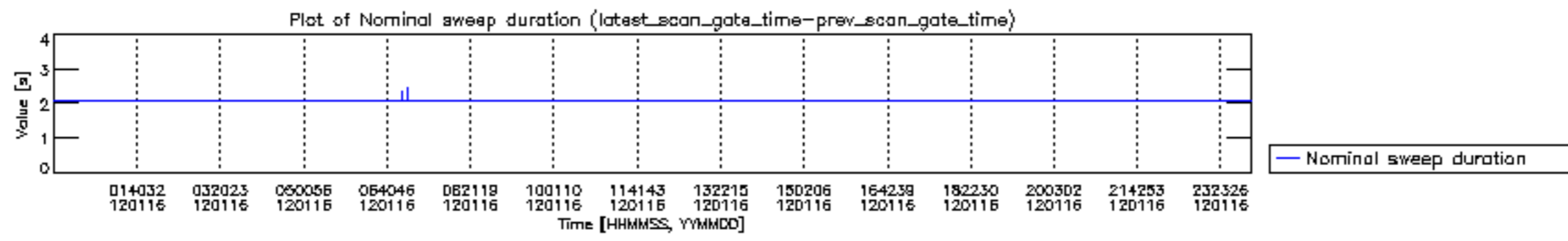


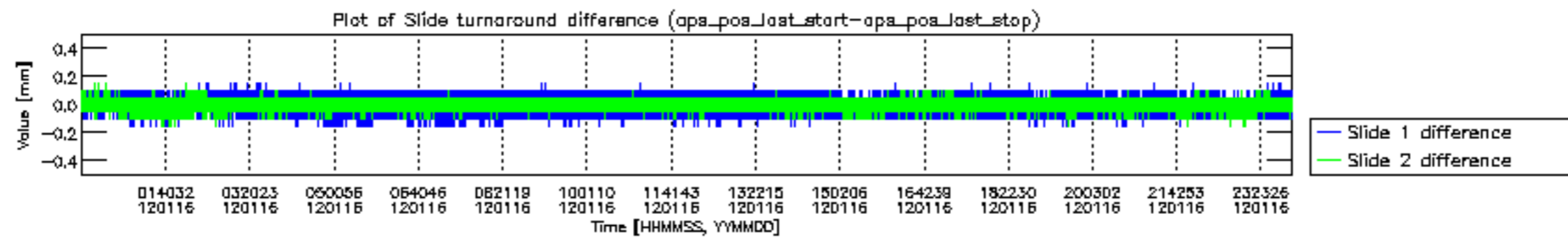


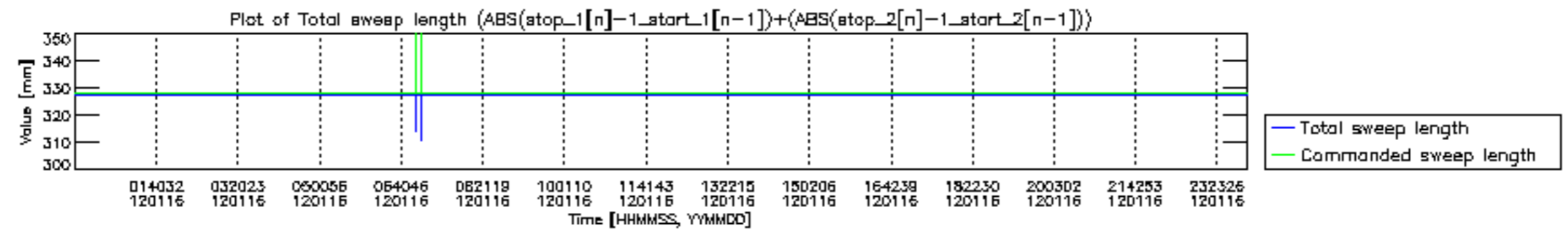


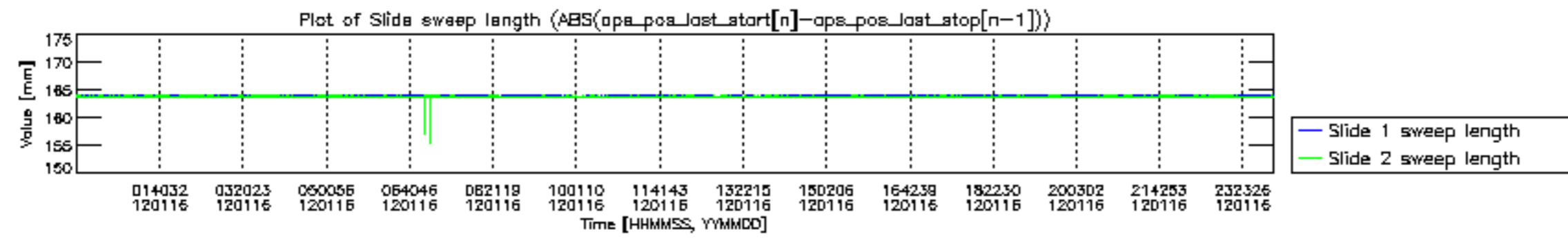


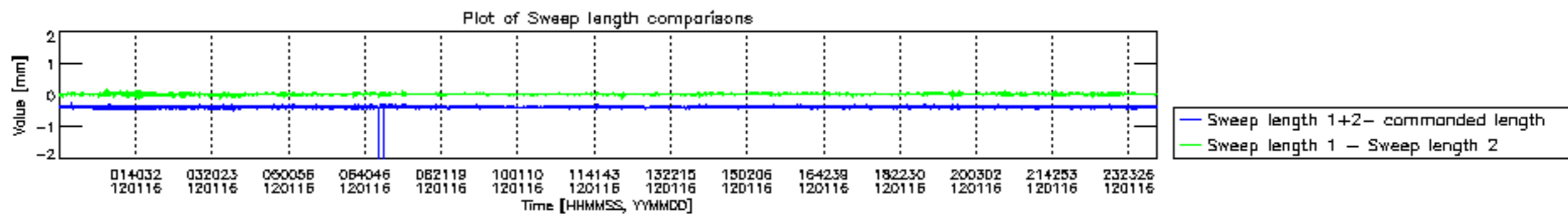


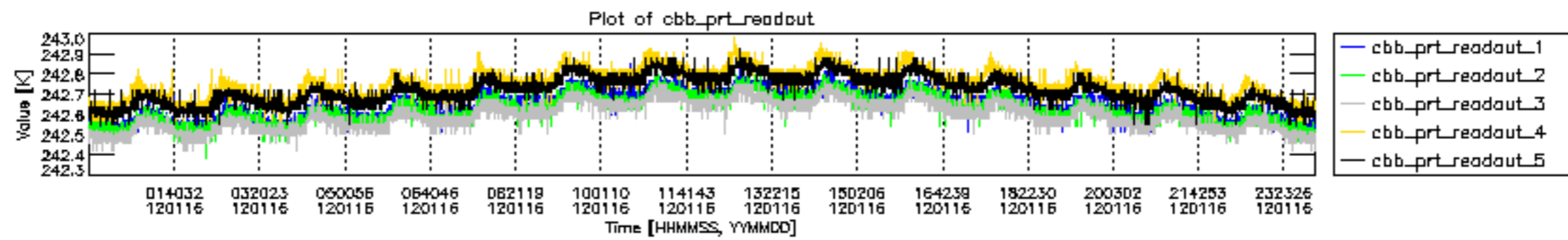




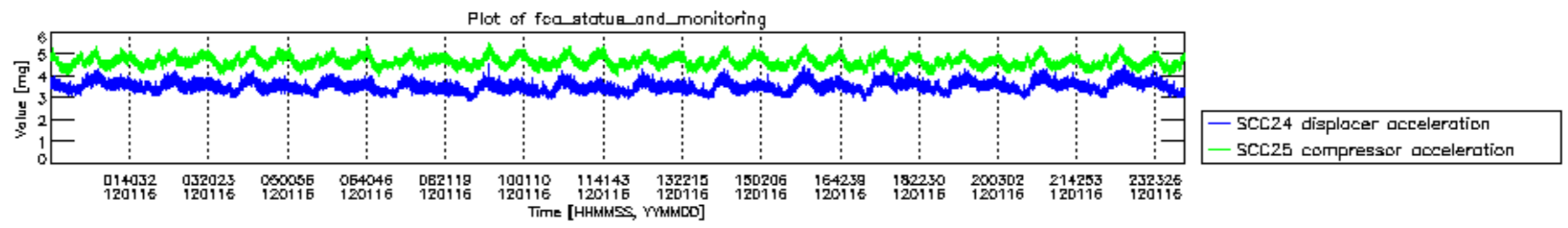




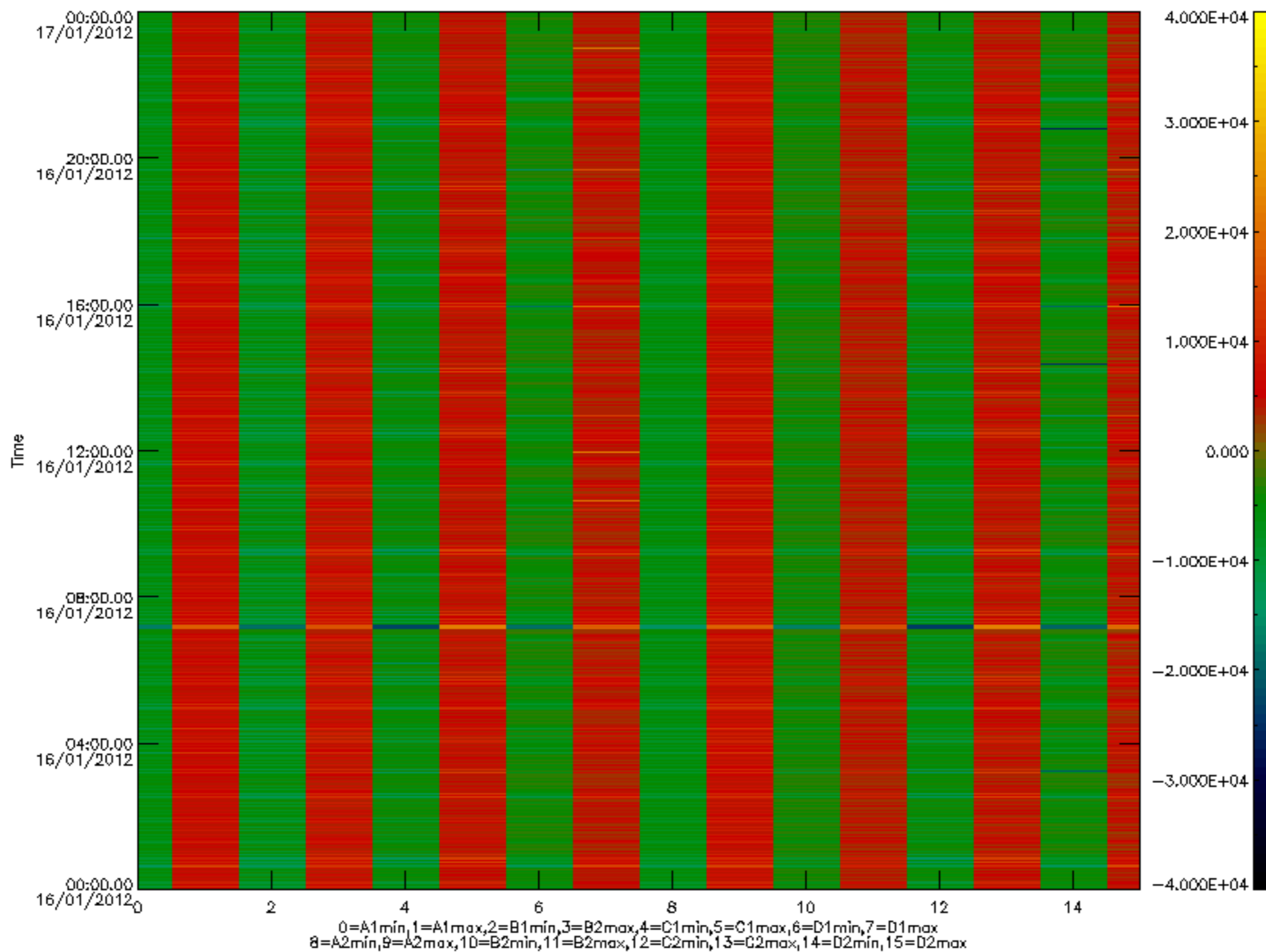


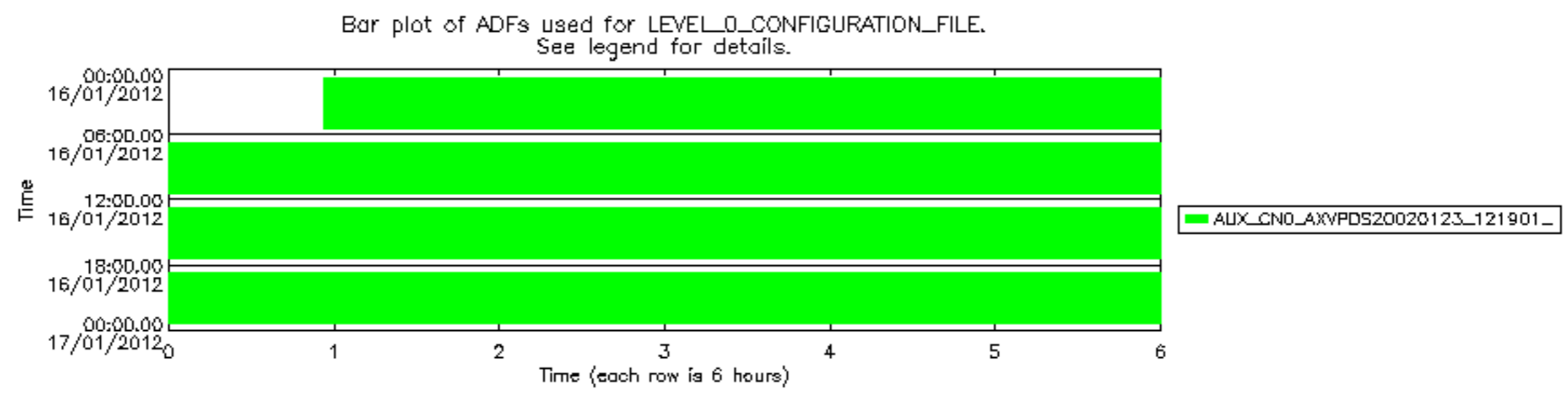






MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.





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

