

## 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	29MAR2011 05:26:44
Data source version	KSPT_L0/4504-N
Processing scope for products	24MAR2011 00:00:00 to 25MAR2011 00:00:00
Start time of first product within scope	24MAR2011 01:17:58
Stop time of last product within scope	25MAR2011 00:43:50
Total number of level 0 products	11
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__0PNPDE20110324_011758_000102993100_00390_47387_3168.N1	24MAR2011 01:17:58	24MAR2011 04:09:37	0	0	0	0	0
1	MIP_NL__0PNPDE20110324_020201_000076563100_00391_47388_3171.N1	24MAR2011 02:02:01	24MAR2011 04:09:37	0	0	0	0	0
2	MIP_NL__0PNPDE20110324_040901_000062293100_00392_47389_3169.N1	24MAR2011 04:09:01	24MAR2011 05:52:51	0	0	0	0	0
3	MIP_NL__0PNPDE20110324_055215_000061993100_00393_47390_3172.N1	24MAR2011 05:52:15	24MAR2011 07:35:34	0	0	0	0	0
4	MIP_NL__0PNPDK20110324_073457_000034463100_00394_47391_4646.N1	24MAR2011 07:34:57	24MAR2011 08:32:23	0	0	0	0	0
5	MIP_NL__0PNPDK20110324_153014_000051233100_00399_47396_4647.N1	24MAR2011 15:30:14	24MAR2011 16:55:37	0	0	0	0	0
6	MIP_NL__0PNPDK20110324_165439_000058433100_00400_47397_4648.N1	24MAR2011 16:54:39	24MAR2011 18:32:02	0	0	0	0	0
7	MIP_NL__0PNPDK20110324_183057_000059603100_00401_47398_4649.N1	24MAR2011 18:30:57	24MAR2011 20:10:17	0	0	0	0	0
8	MIP_NL__0PNPDE20110324_200853_000044373100_00402_47399_3173.N1	24MAR2011 20:08:53	24MAR2011 21:22:50	0	0	0	0	0
9	MIP_NL__0PNPDE20110324_212154_000061423100_00402_47399_3174.N1	24MAR2011 21:21:54	24MAR2011 23:04:15	0	0	0	0	0
10	MIP_NL__0PNPDE20110324_230317_000060333100_00403_47400_3175.N1	24MAR2011 23:03:17	25MAR2011 00:43:50	0	0	0	0	0

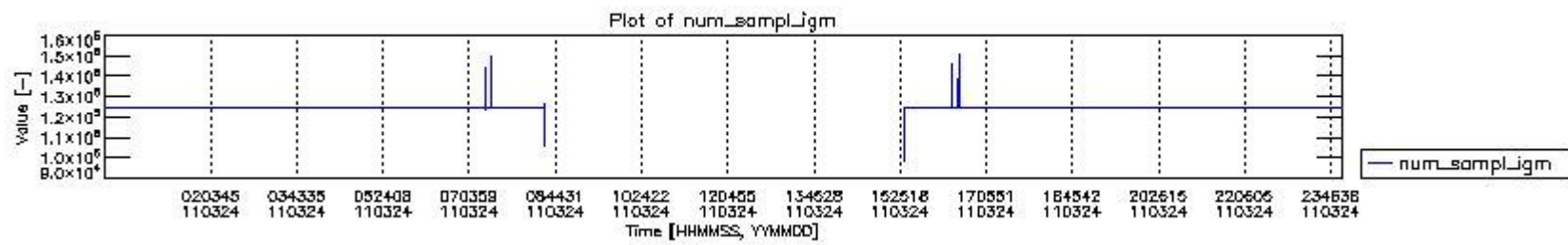
## 0.2 Instrument Operational Performance Parameters

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.

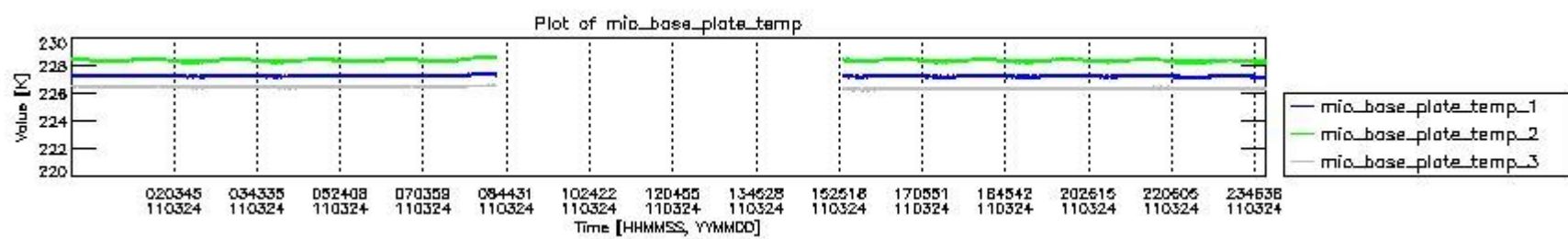
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98847	1	0.0033827211
106269	1	0.0033827211
107870	1	0.0033827211
123398	1	0.0033827211
123962	1	0.0033827211
124099	1	0.0033827211
124800	27482	92.963940

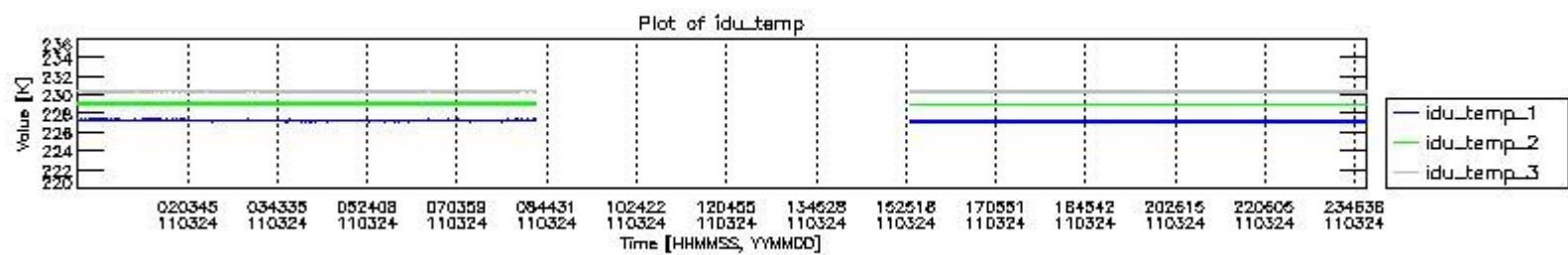
124803	2062	6.9751708
125523	1	0.0033827211
126401	1	0.0033827211
127308	1	0.0033827211
127605	1	0.0033827211
143256	1	0.0033827211
144094	1	0.0033827211
145655	1	0.0033827211
146378	1	0.0033827211
147440	1	0.0033827211
147737	1	0.0033827211
149948	1	0.0033827211
150542	1	0.0033827211



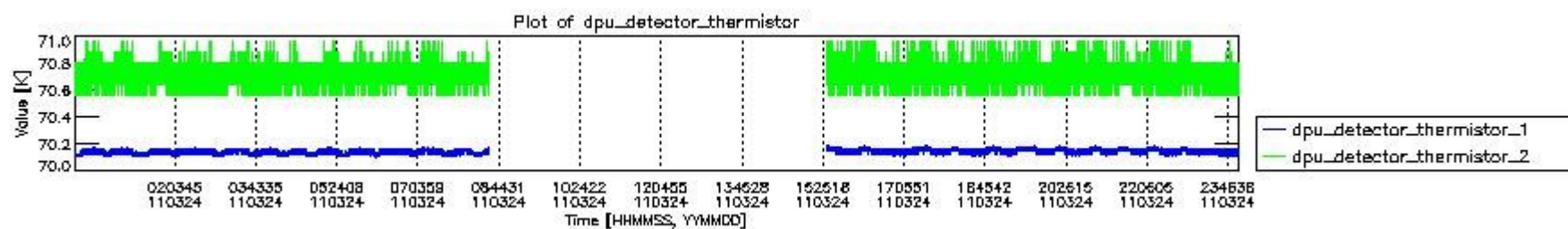
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110324\_0.PNG



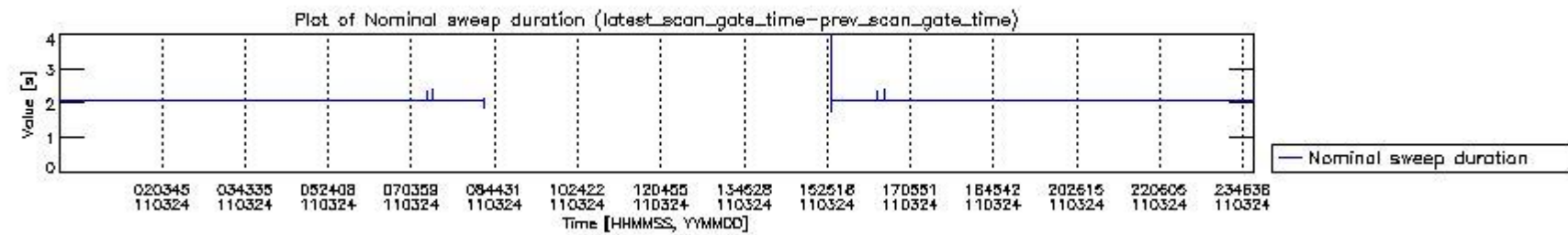
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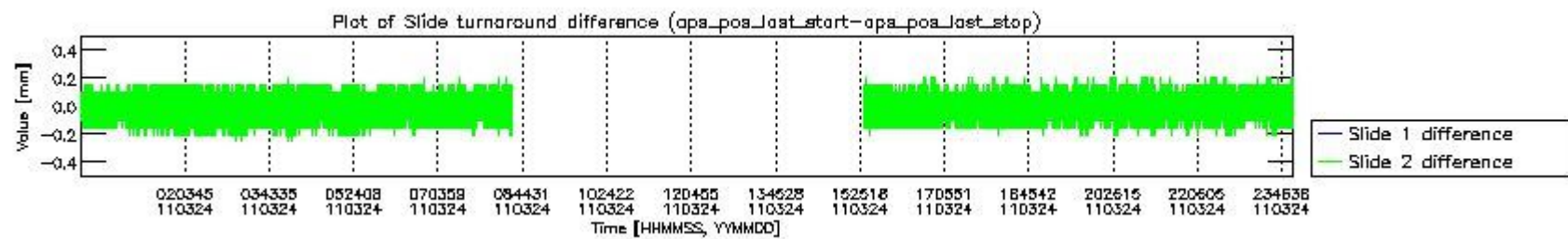
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110324\_2.PNG



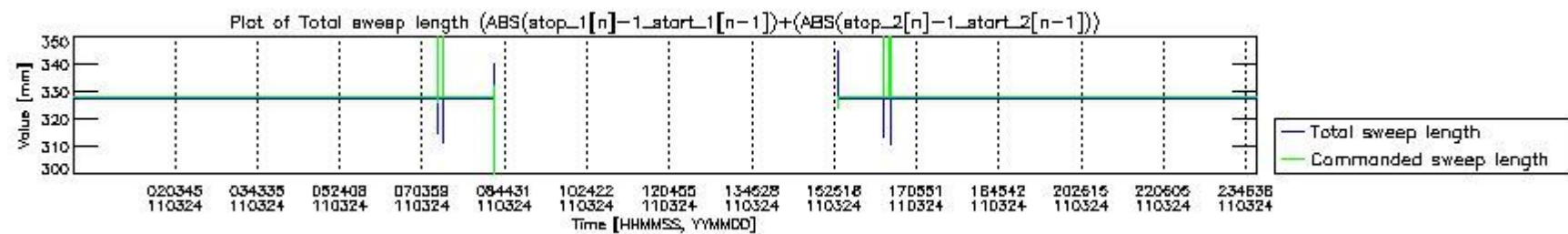
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110324\_3.PNG



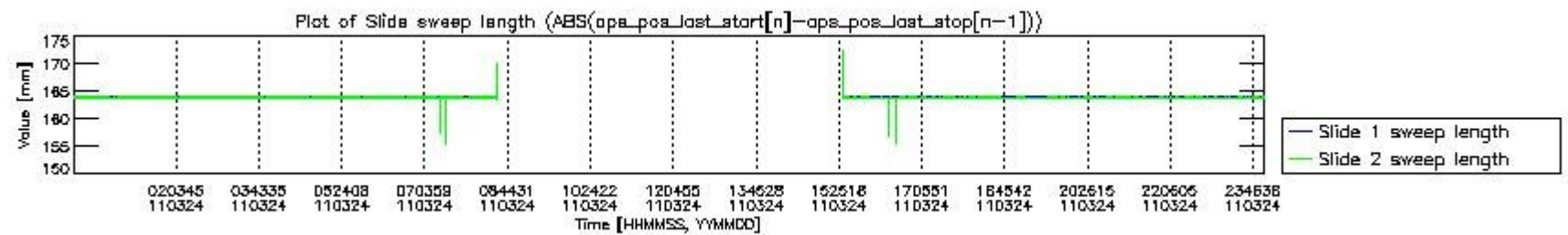
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110324\_4.PNG



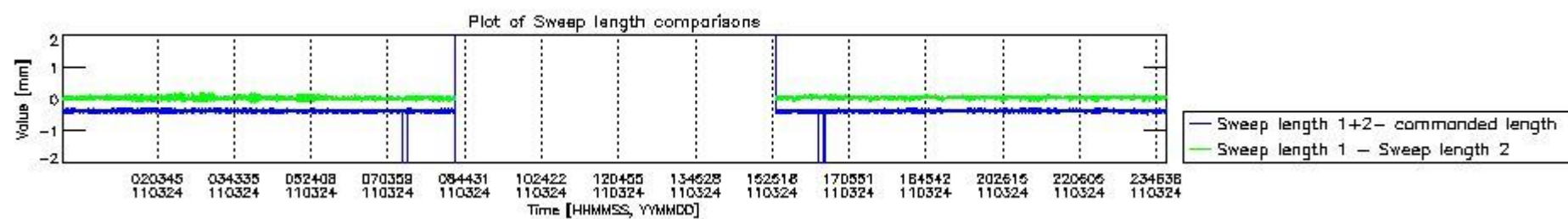
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110324\_5.PNG



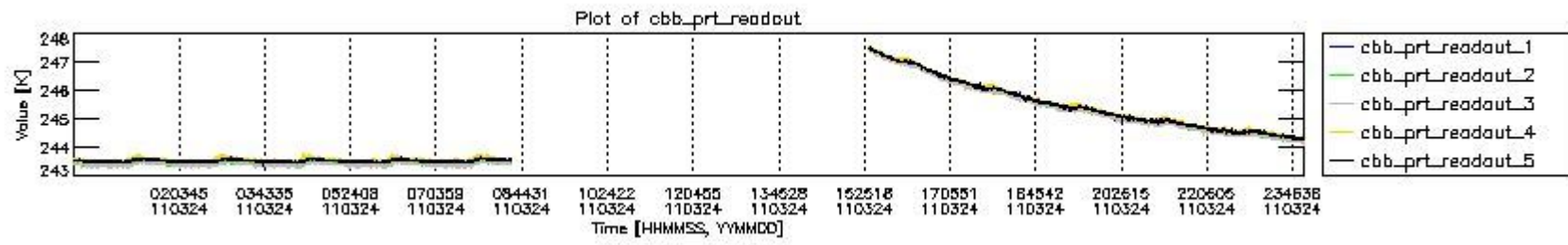
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110324\_6.PNG



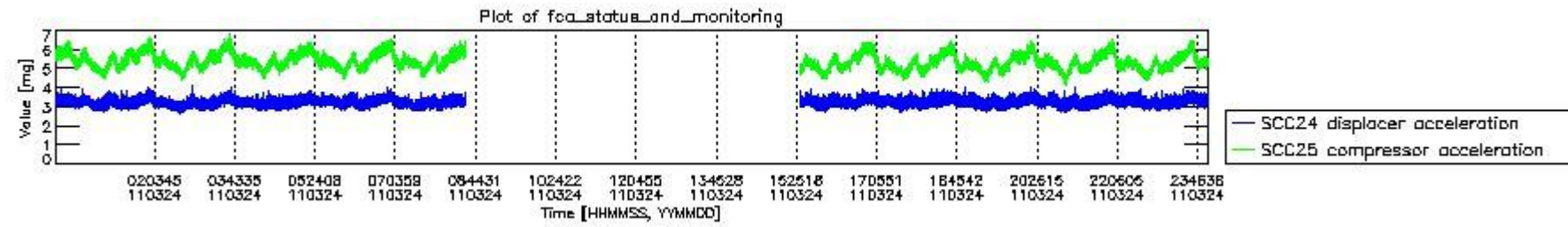
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110324\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110324\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110324\_9.PNG



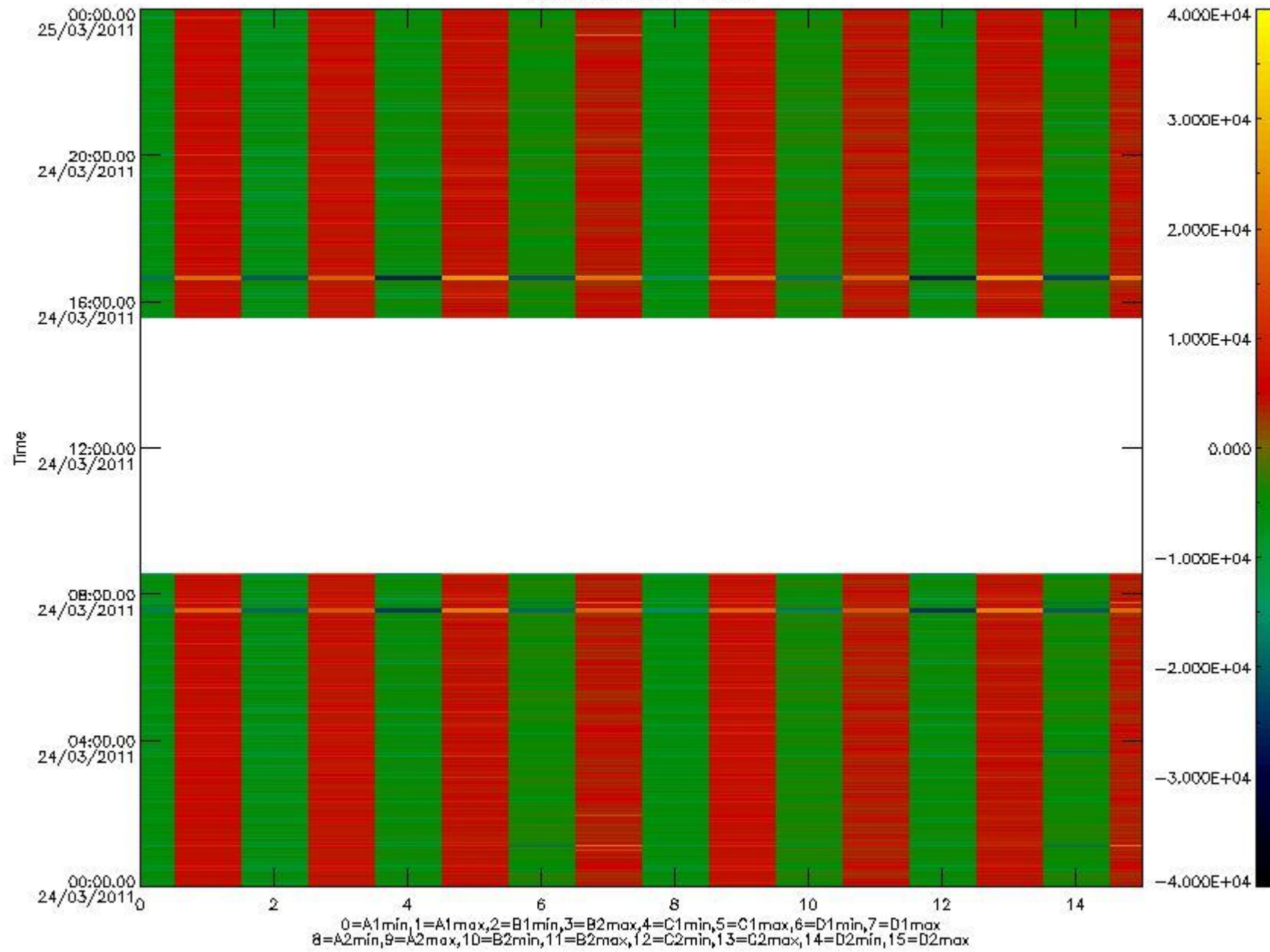
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110324\_10.PNG

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

Channel	Min	Max	ADC
A1	-18479	19724	16bit
B1	-21136	18220	16bit
C1	-26324	26219	16bit
D1	-29894	32767	16bit
A2	-16030	19979	16bit
B2	-19457	19067	16bit
C2	-27444	27070	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\_20110324\_11.PNG

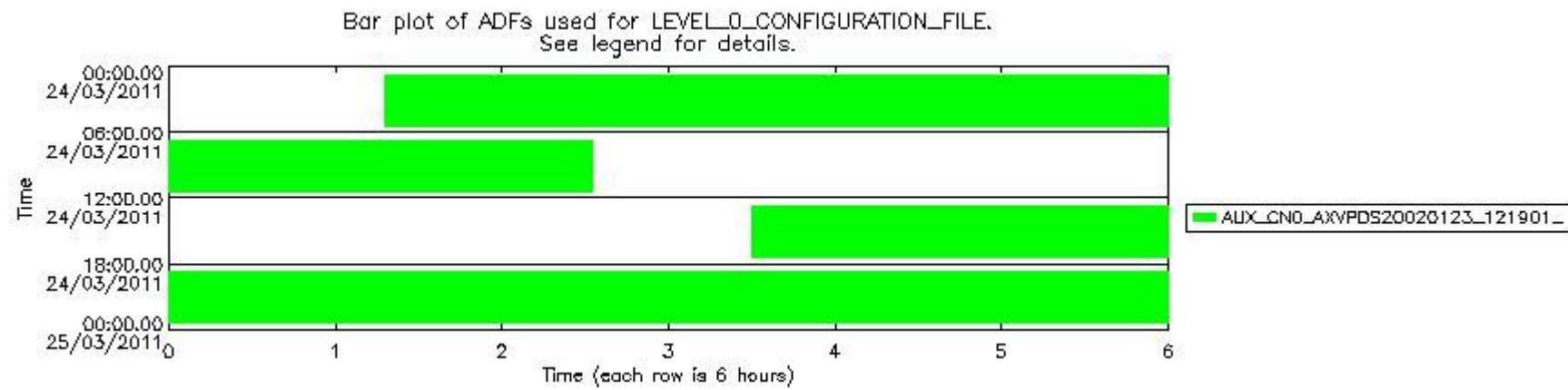
### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

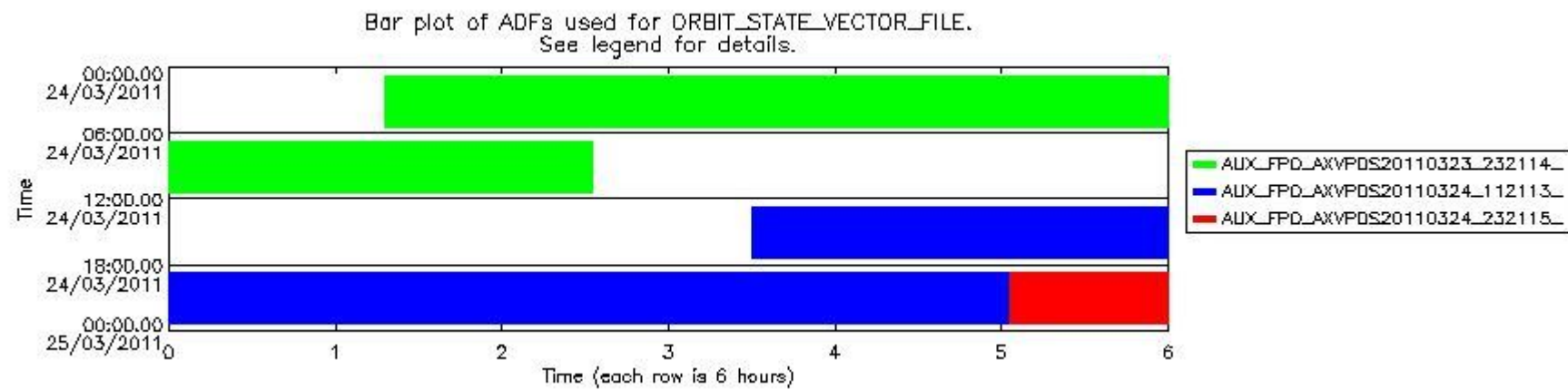
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110323_232114_20110322_192721_20110401_200057
2	AUX_FPO_AXVPDS20110324_112113_20110323_185037_20110402_210427
3	AUX_FPO_AXVPDS20110324_232115_20110324_195407_20110403_202743

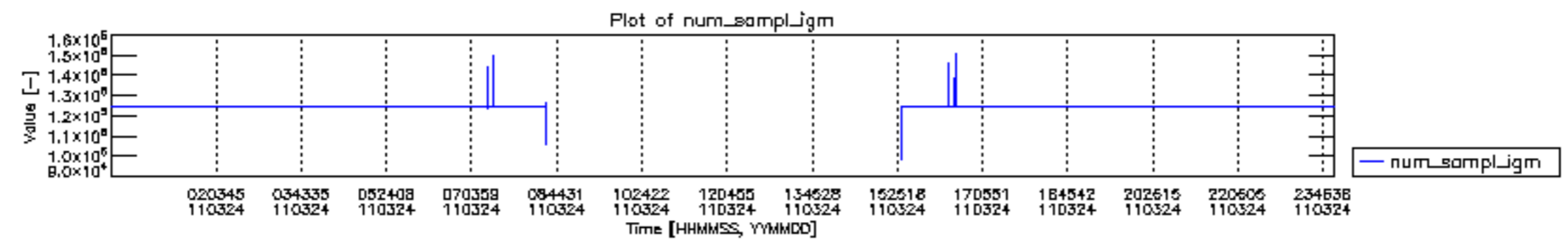
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110324_011758_000102993100_00390_47387_3168.N1	0	1
1	MIP_NL__0PNPDE20110324_020201_000076563100_00391_47388_3171.N1	0	1
2	MIP_NL__0PNPDE20110324_040901_000062293100_00392_47389_3169.N1	0	1
3	MIP_NL__0PNPDE20110324_055215_000061993100_00393_47390_3172.N1	0	1
4	MIP_NL__0PNPDK20110324_073457_000034463100_00394_47391_4646.N1	0	1
5	MIP_NL__0PNPDK20110324_153014_000051233100_00399_47396_4647.N1	0	2
6	MIP_NL__0PNPDK20110324_165439_000058433100_00400_47397_4648.N1	0	2
7	MIP_NL__0PNPDK20110324_183057_000059603100_00401_47398_4649.N1	0	2
8	MIP_NL__0PNPDE20110324_200853_000044373100_00402_47399_3173.N1	0	2
9	MIP_NL__0PNPDE20110324_212154_000061423100_00402_47399_3174.N1	0	2
10	MIP_NL__0PNPDE20110324_230317_000060333100_00403_47400_3175.N1	0	3

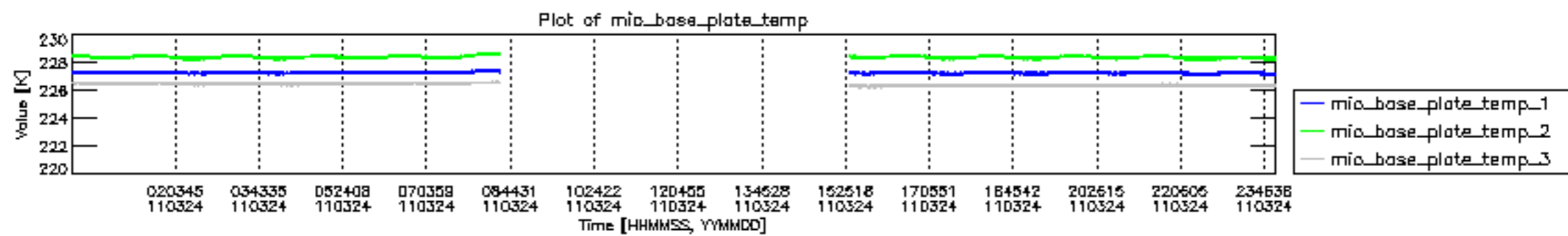


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110324\_12.PNG

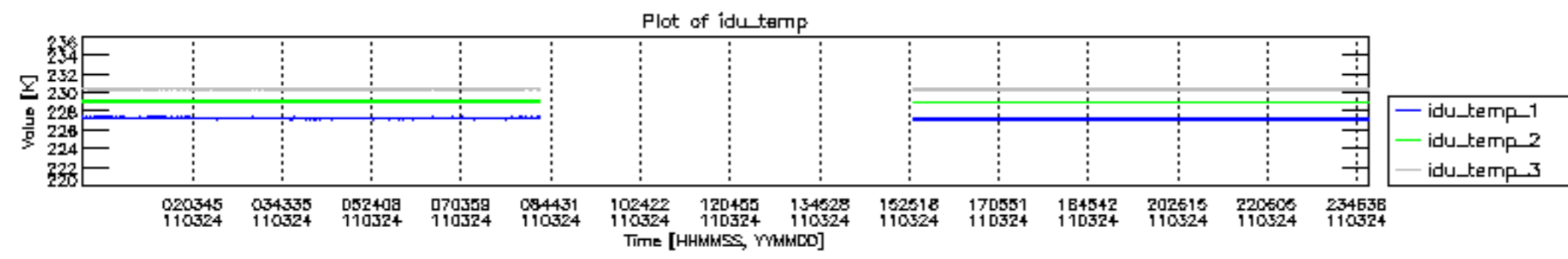


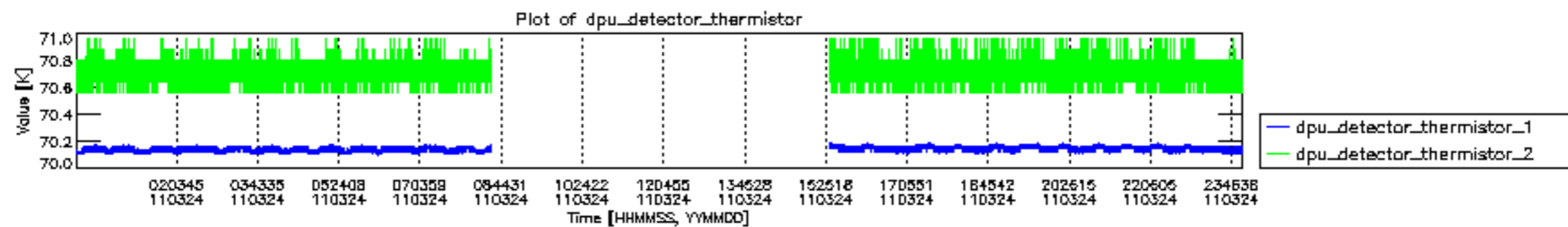
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110324\_13.PNG

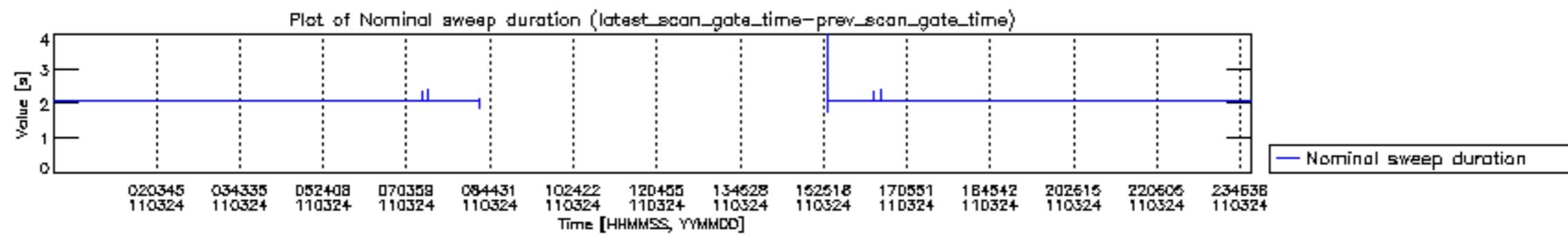


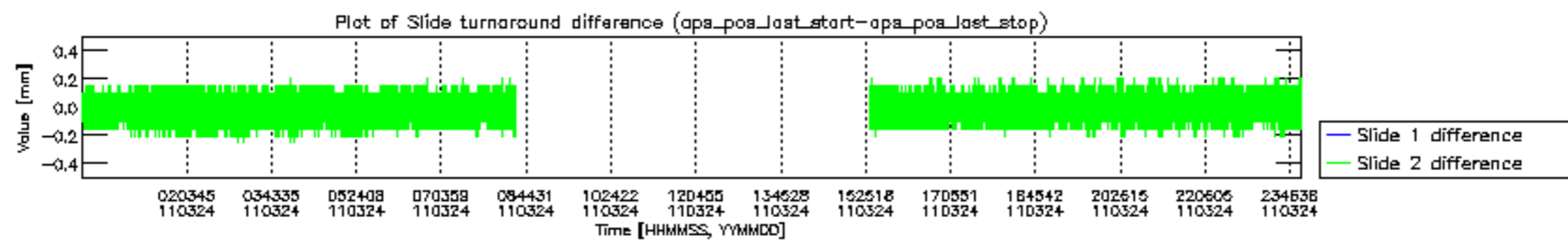


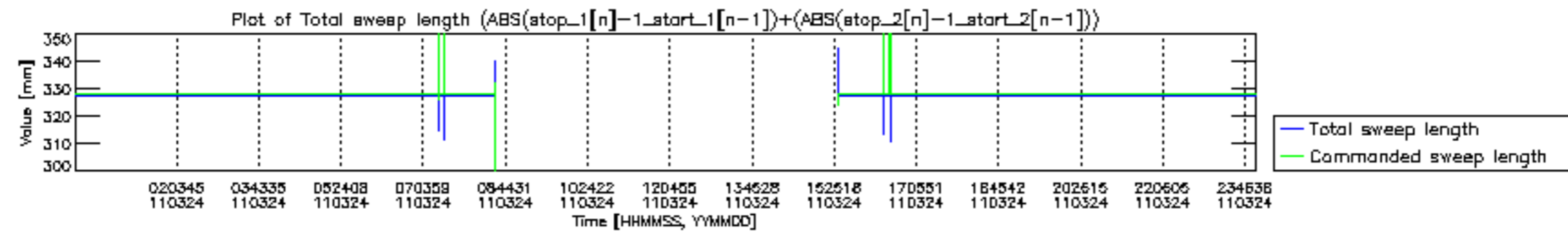




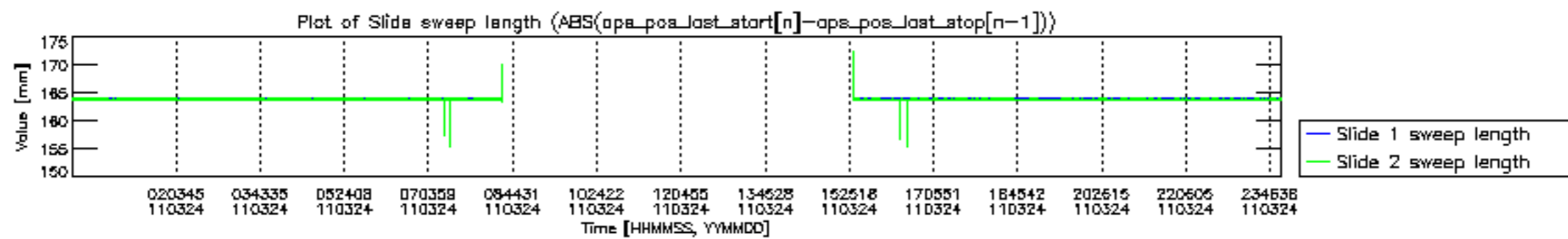


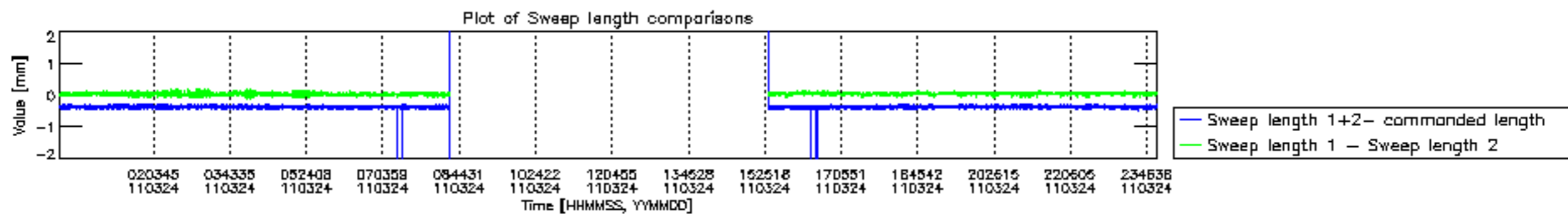


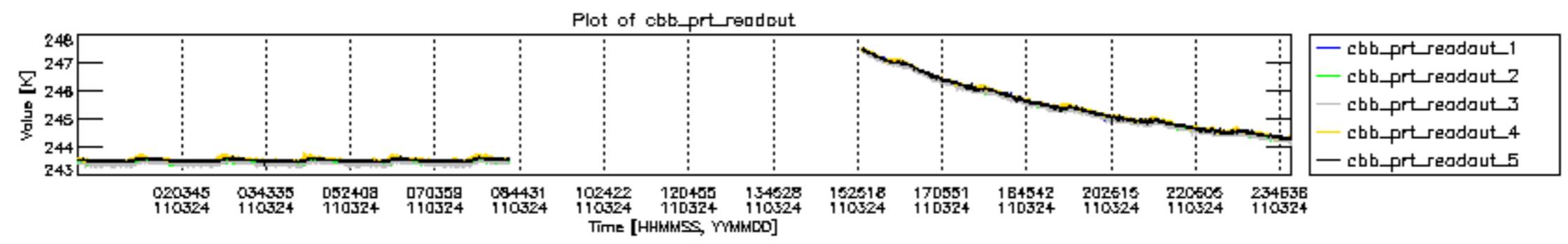


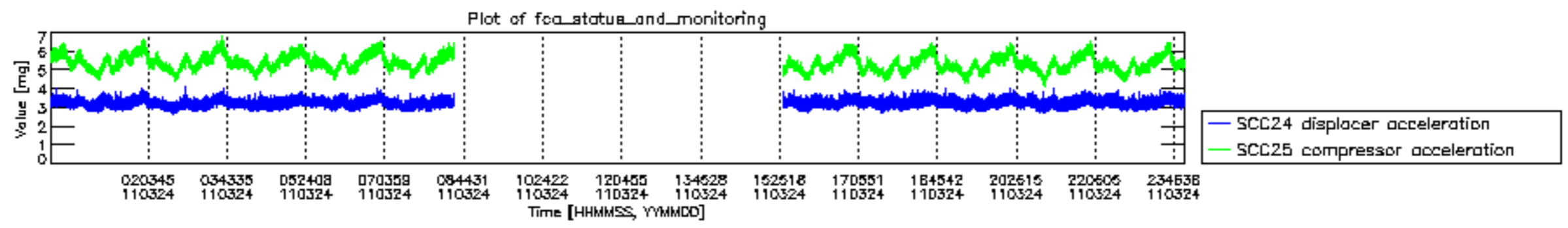




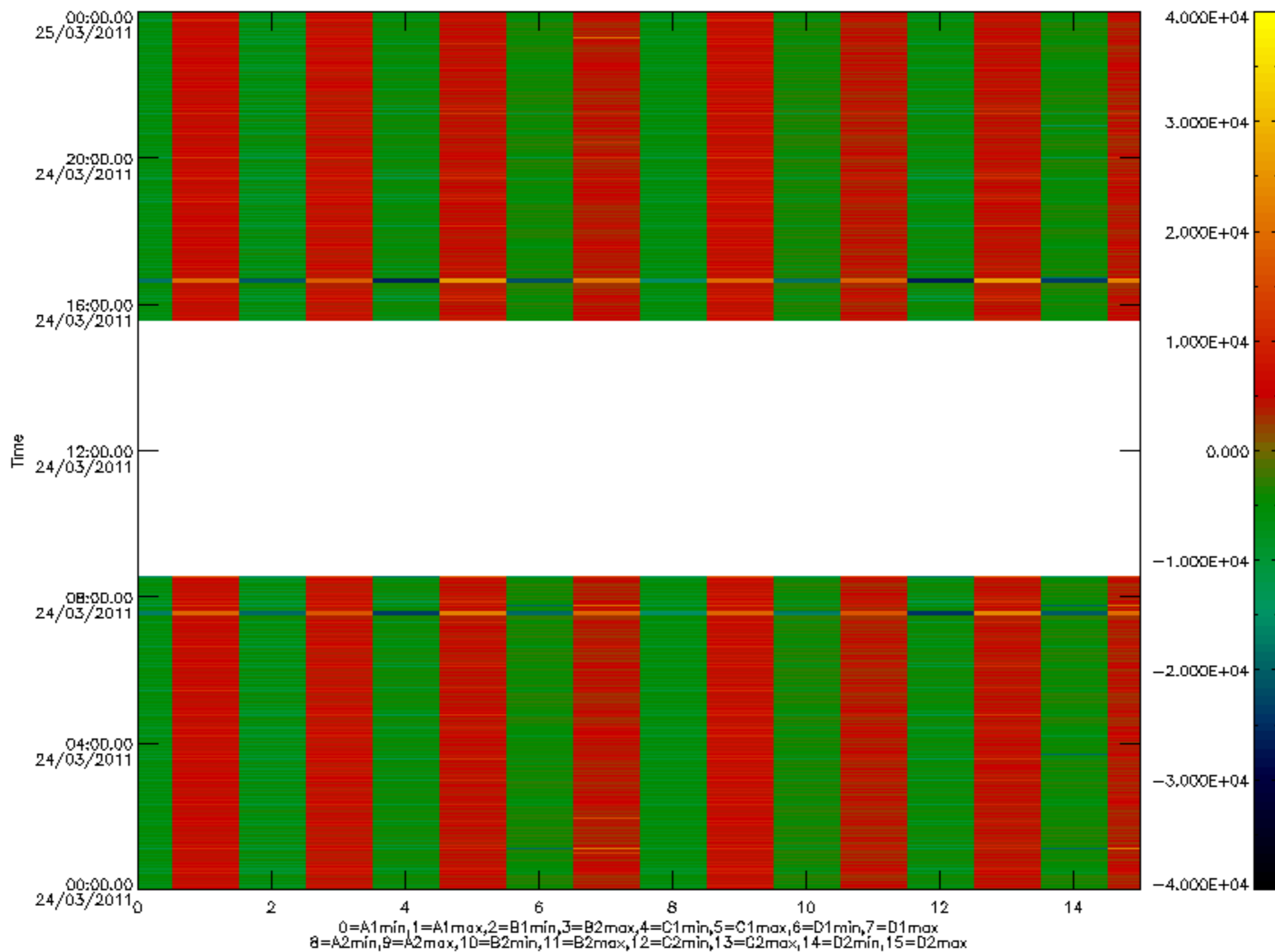




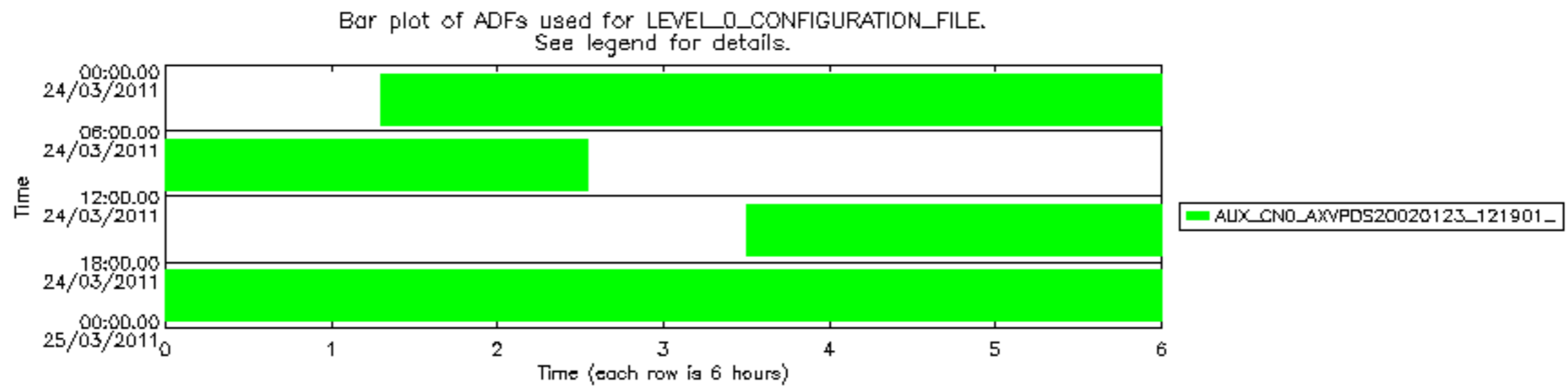




MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.







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

