

## 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	27AUG2011 05:24:04
Data source version	KSPT_L0/4504-N
Processing scope for products	22AUG2011 00:00:00 to 23AUG2011 00:00:00
Start time of first product within scope	22AUG2011 00:44:37
Stop time of last product within scope	23AUG2011 00:10:31
Total number of level 0 products	9
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__0PNPDE20110822_004437_000059233105_00404_49556_9490.N1	22AUG2011 00:44:37	22AUG2011 02:23:20	0	0	0	0	0
1	MIP_NL__0PNPDE20110822_022220_000045443105_00405_49557_9491.N1	22AUG2011 02:22:20	22AUG2011 03:38:03	0	0	0	0	0
2	MIP_NL__0PNPDE20110822_033730_000061153105_00406_49558_9492.N1	22AUG2011 03:37:30	22AUG2011 05:19:24	0	0	0	0	0
3	MIP_NL__0PNPDE20110822_051851_000060443105_00407_49559_9493.N1	22AUG2011 05:18:51	22AUG2011 06:59:35	0	0	0	0	0
4	MIP_NL__0PNPDK20110822_065902_000040673105_00408_49560_6111.N1	22AUG2011 06:59:02	22AUG2011 08:06:49	0	0	0	0	0
5	MIP_NL__0PNPDK20110822_080616_000060793105_00409_49561_6112.N1	22AUG2011 08:06:16	22AUG2011 09:47:35	0	0	0	0	0
6	MIP_NL__0PNPDE20110822_211511_000044103105_00417_49569_9494.N1	22AUG2011 21:15:11	22AUG2011 22:28:41	0	0	0	0	0
7	MIP_NL__0PNPDE20110822_222202_000003993105_00417_49569_9500.N1	22AUG2011 22:22:02	22AUG2011 22:28:41	0	0	0	0	0
8	MIP_NL__0PNPDE20110822_222744_000061673105_00417_49569_9495.N1	22AUG2011 22:27:44	23AUG2011 00:10:31	0	0	0	0	0

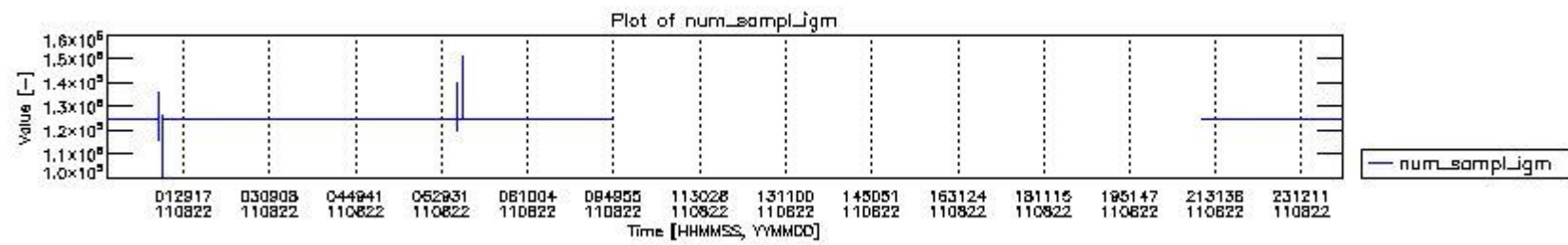
## 0.2 Instrument Operational Performance Parameters

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.

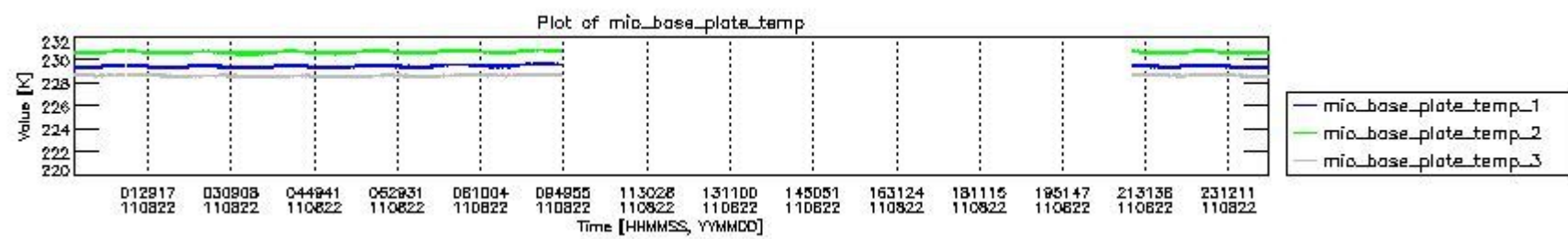
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100483	1	0.0046025682
116008	1	0.0046025682
120171	1	0.0046025682
124800	20462	94.177751
124803	1253	5.7670180
125735	1	0.0046025682
126670	1	0.0046025682
127348	1	0.0046025682
127754	1	0.0046025682

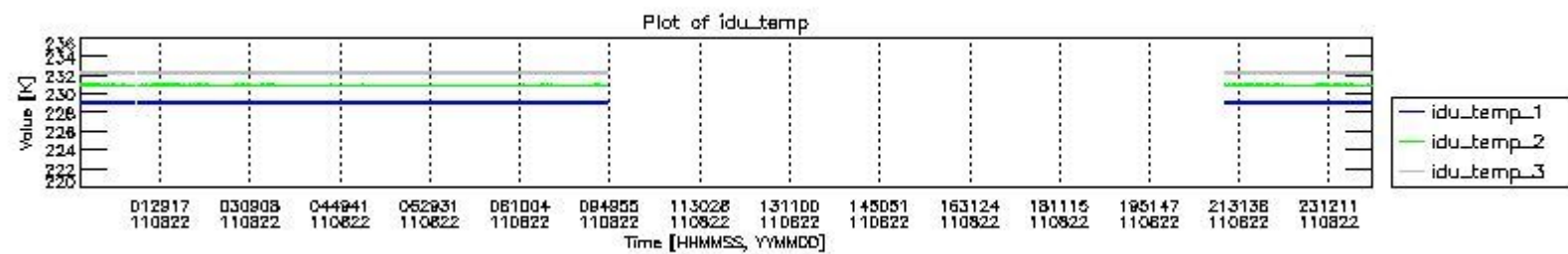
135674	1	0.0046025682
136140	1	0.0046025682
140303	1	0.0046025682
147886	1	0.0046025682
150840	1	0.0046025682



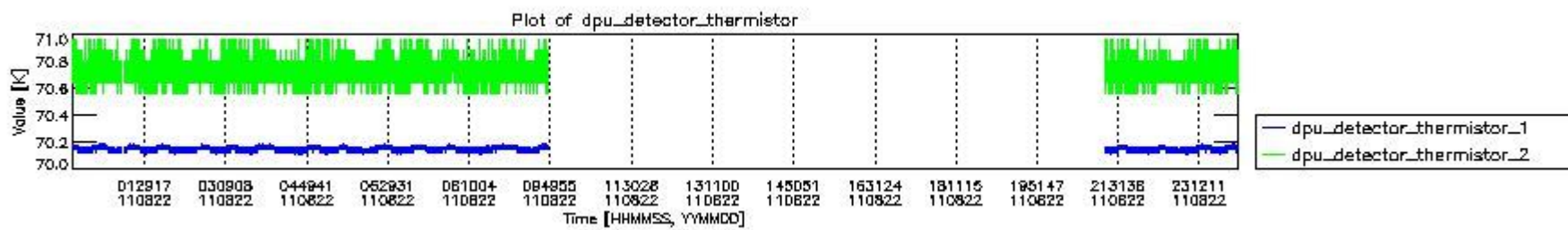
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110822\_0.PNG



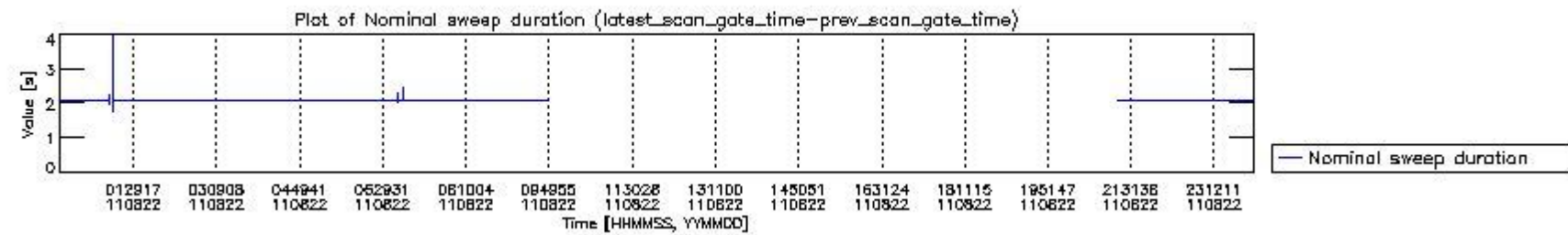
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110822\_1.PNG



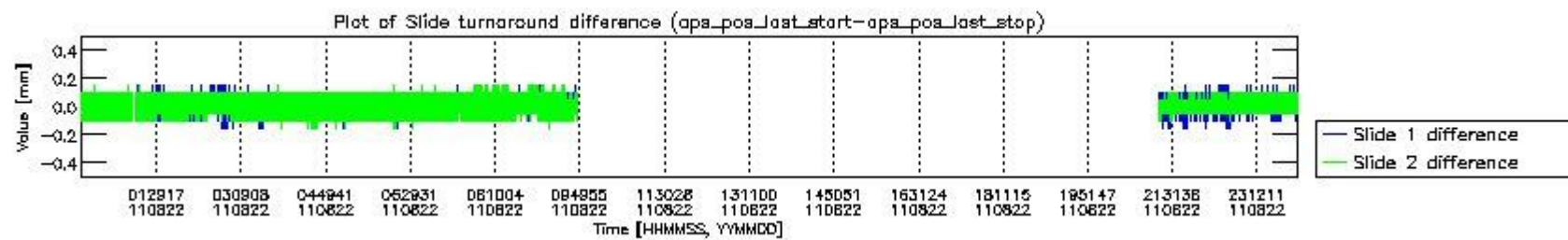
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110822\_2.PNG



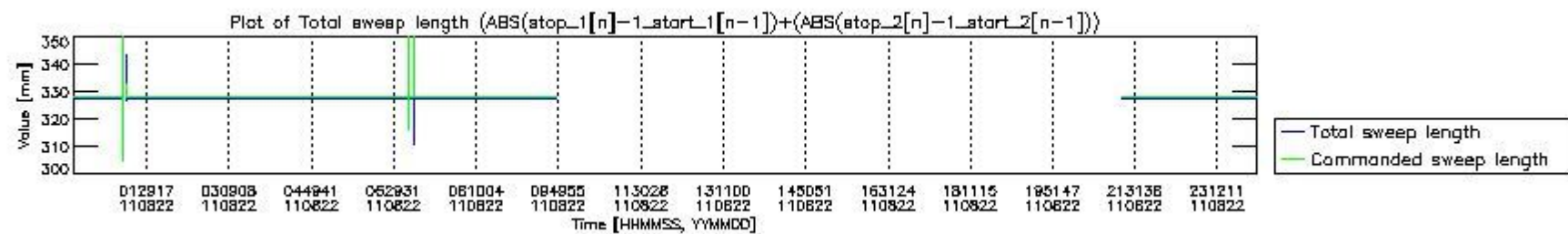
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110822\_3.PNG



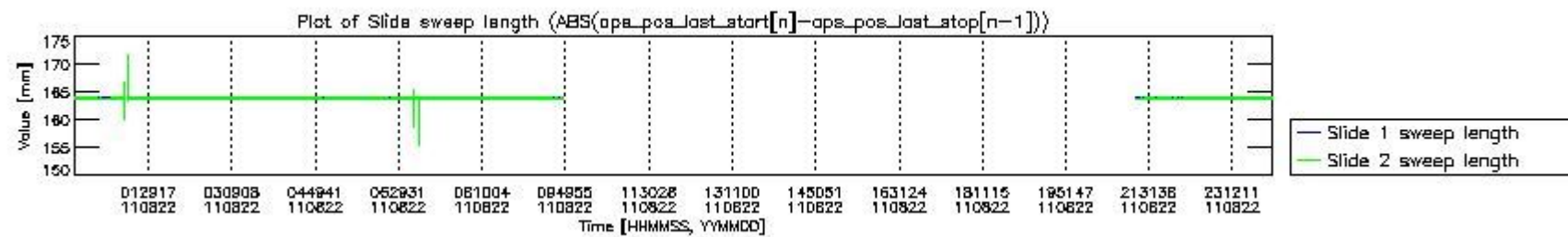
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110822\_4.PNG



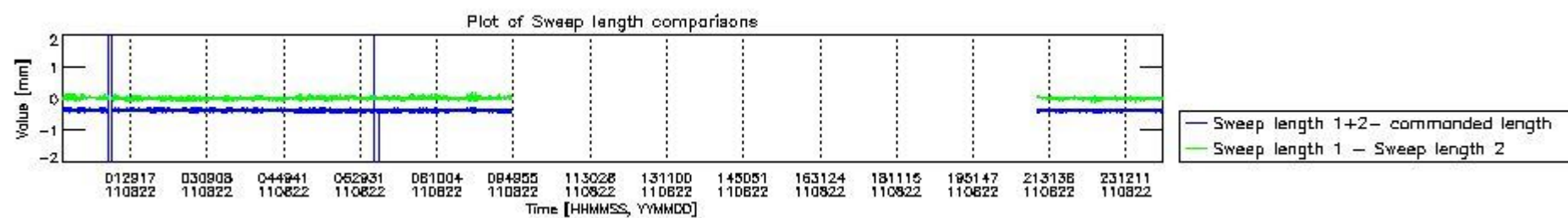
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110822\_5.PNG



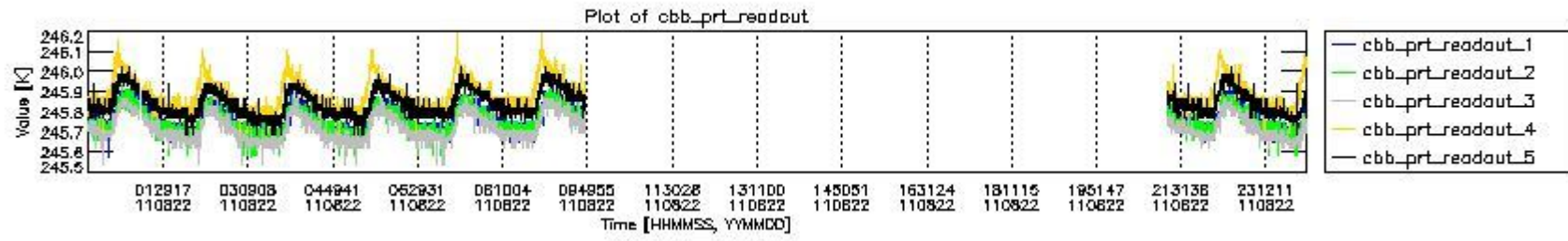
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110822\_6.PNG



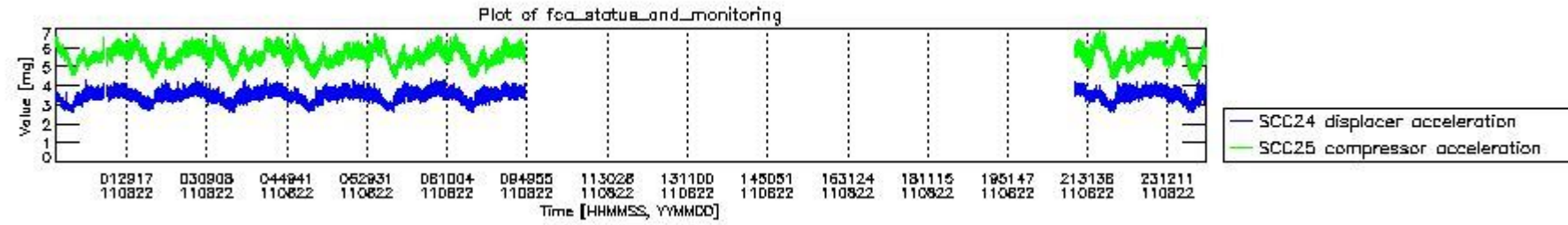
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110822\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110822\_8.PNG



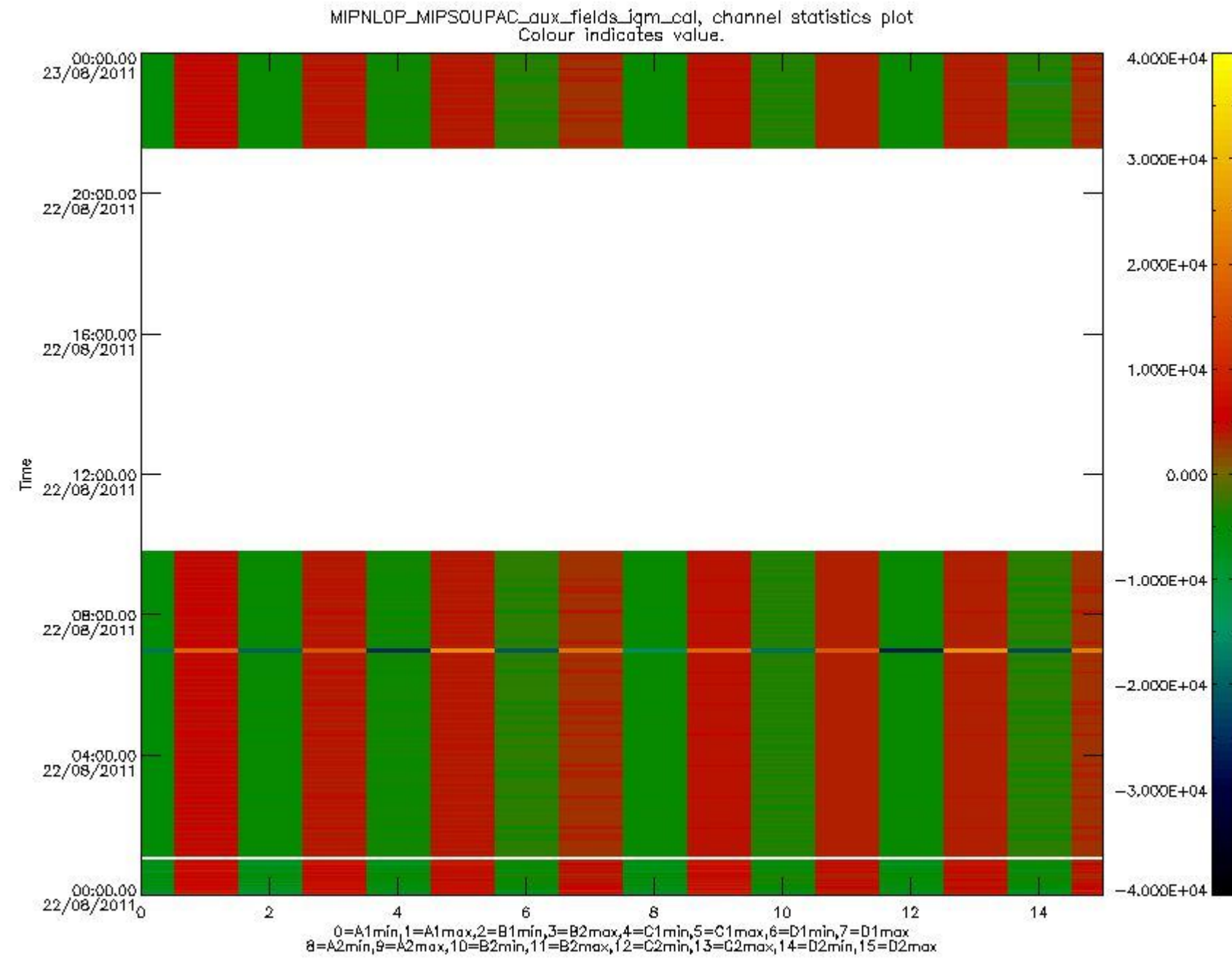
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110822\_9.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110822\_10.PNG

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

Channel	Min	Max	ADC
A1	-18223	19303	16bit
B1	-20665	17780	16bit
C1	-25839	25793	16bit
D1	-32768	32767	16bit
A2	-15806	19497	16bit
B2	-18918	18599	16bit
C2	-26942	26538	16bit
D2	-32768	32767	16bit



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110822\_11.PNG

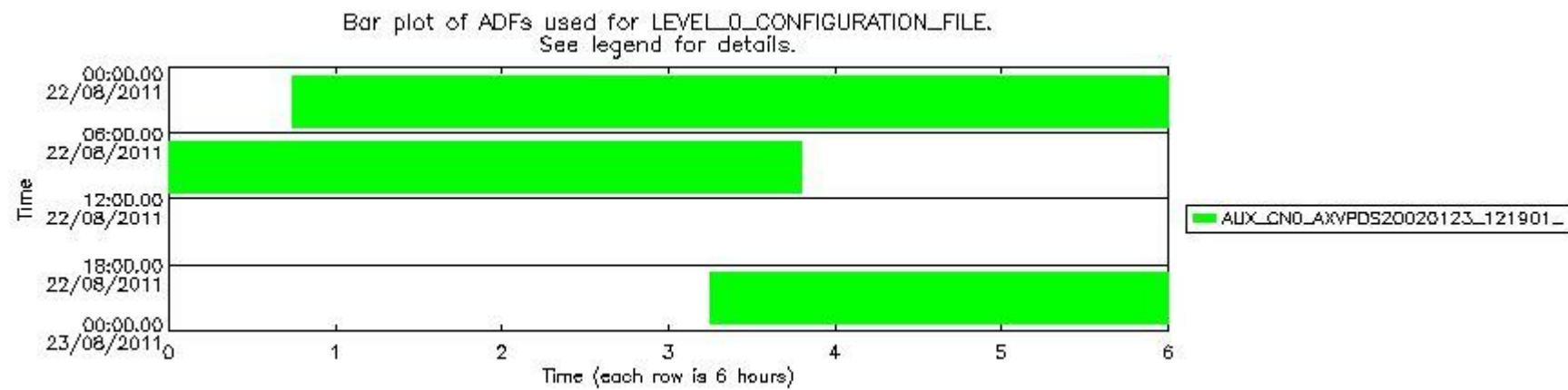
### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

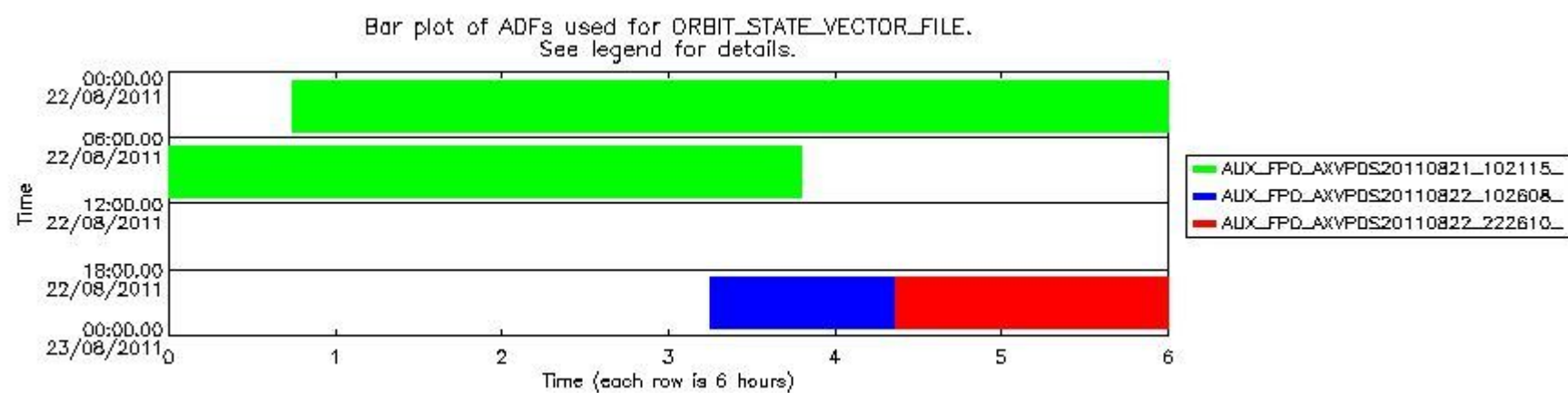
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110821_102115_20110820_185257_20110830_210643
2	AUX_FPO_AXVPDS20110822_102608_20110821_195626_20110831_202958
3	AUX_FPO_AXVPDS20110822_222610_20110822_091818_20110901_095150

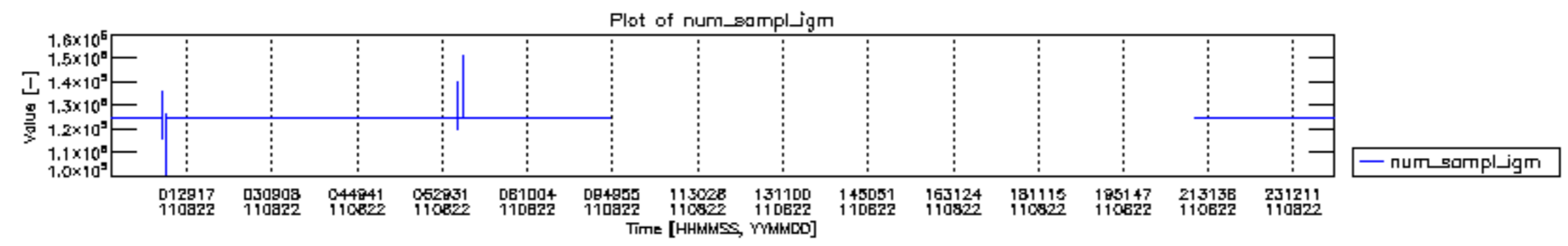
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110822_004437_000059233105_00404_49556_9490.N1	0	1
1	MIP_NL__0PNPDE20110822_022220_000045443105_00405_49557_9491.N1	0	1
2	MIP_NL__0PNPDE20110822_033730_000061153105_00406_49558_9492.N1	0	1
3	MIP_NL__0PNPDE20110822_051851_000060443105_00407_49559_9493.N1	0	1
4	MIP_NL__0PNPDK20110822_065902_000040673105_00408_49560_6111.N1	0	1
5	MIP_NL__0PNPDK20110822_080616_000060793105_00409_49561_6112.N1	0	1
6	MIP_NL__0PNPDE20110822_211511_000044103105_00417_49569_9494.N1	0	2
7	MIP_NL__0PNPDE20110822_222202_000003993105_00417_49569_9500.N1	0	3
8	MIP_NL__0PNPDE20110822_222744_000061673105_00417_49569_9495.N1	0	3

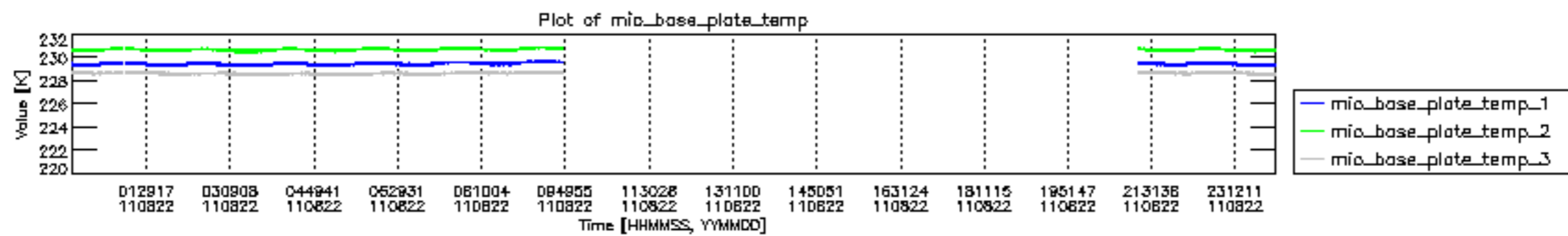


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110822\_12.PNG

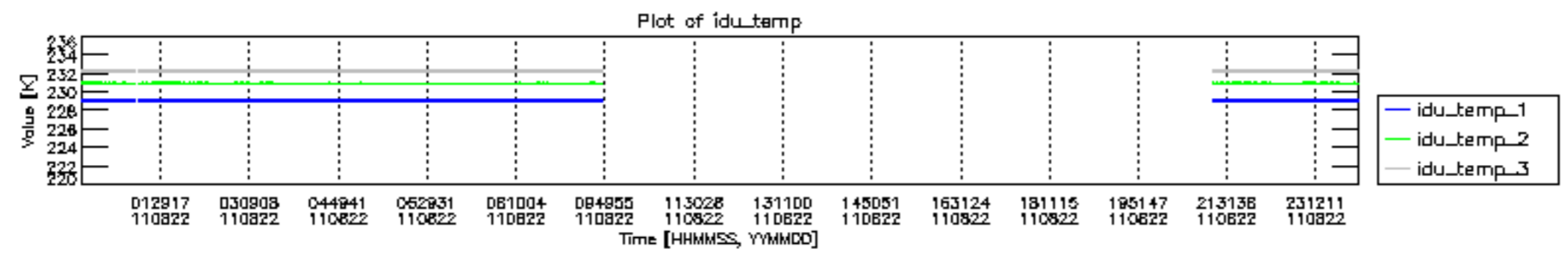


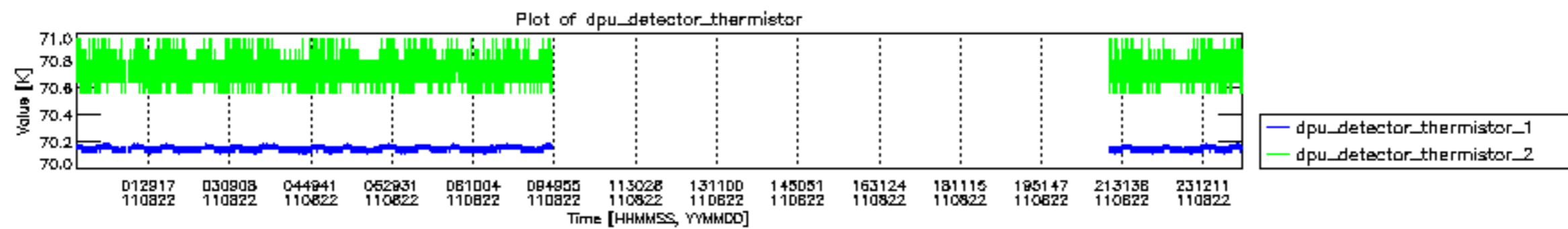
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110822\_13.PNG

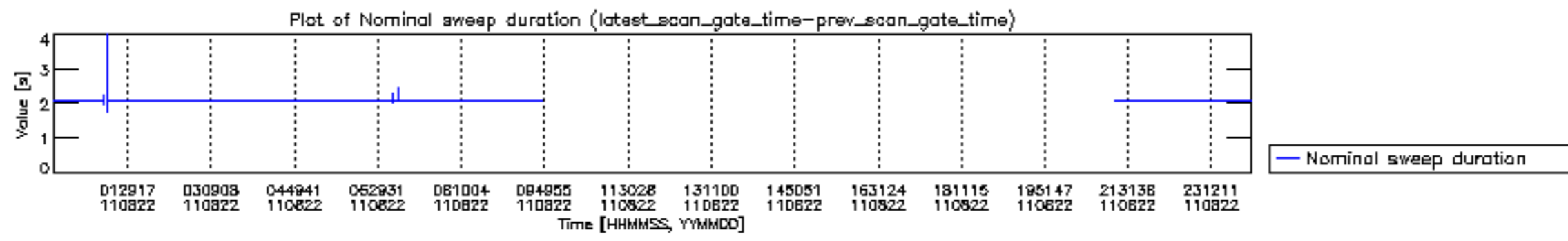


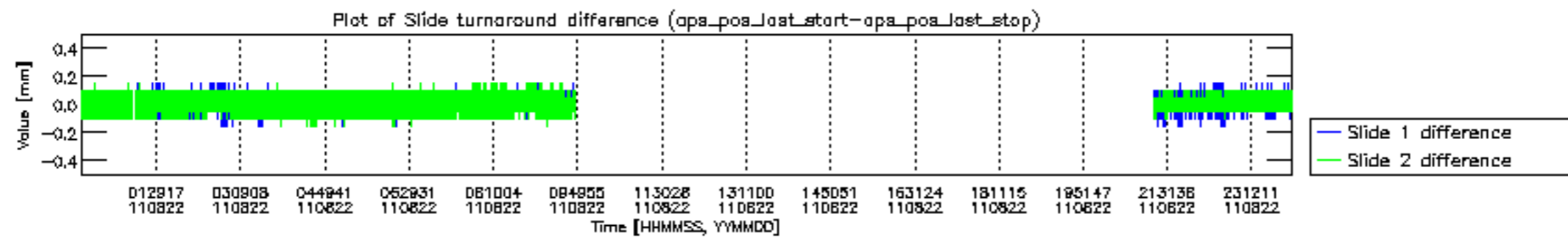


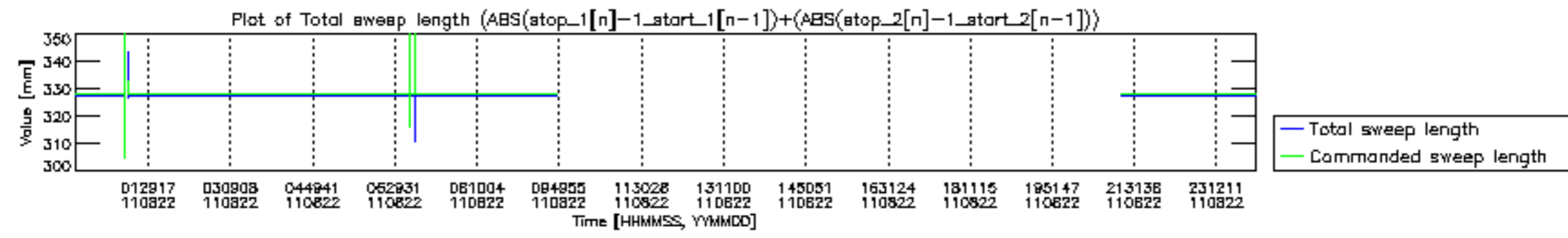


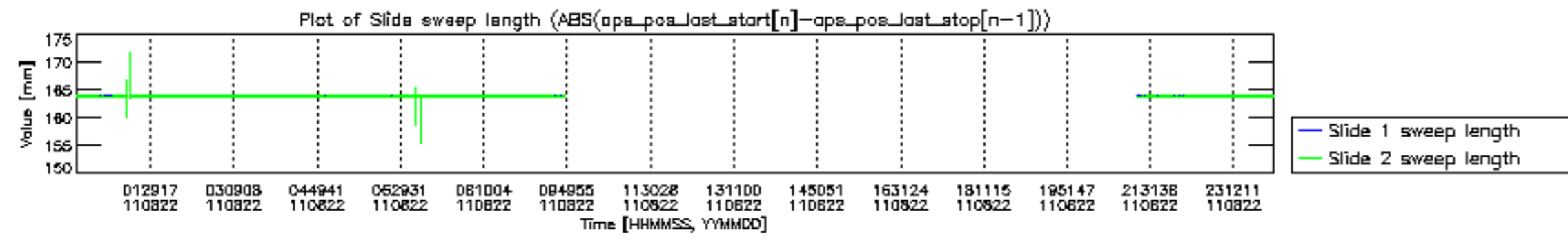


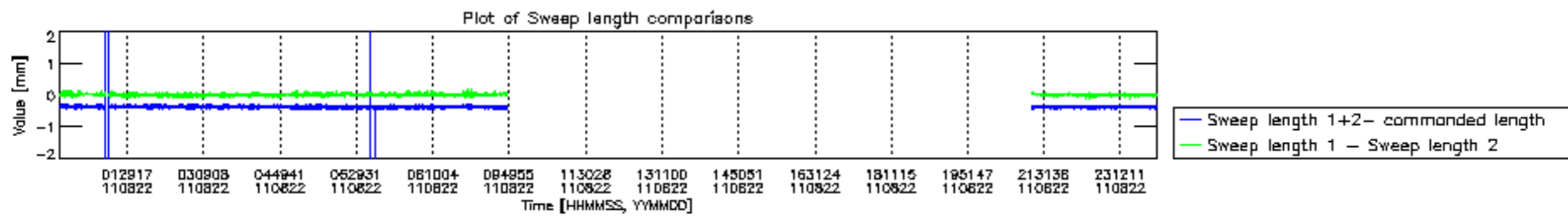


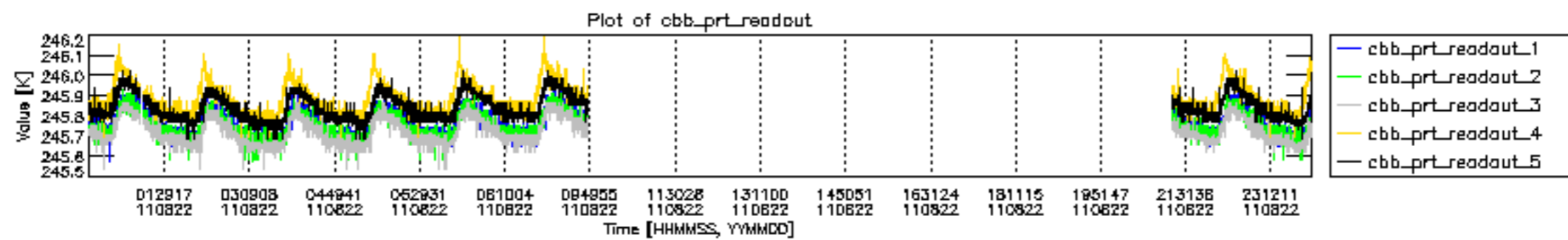




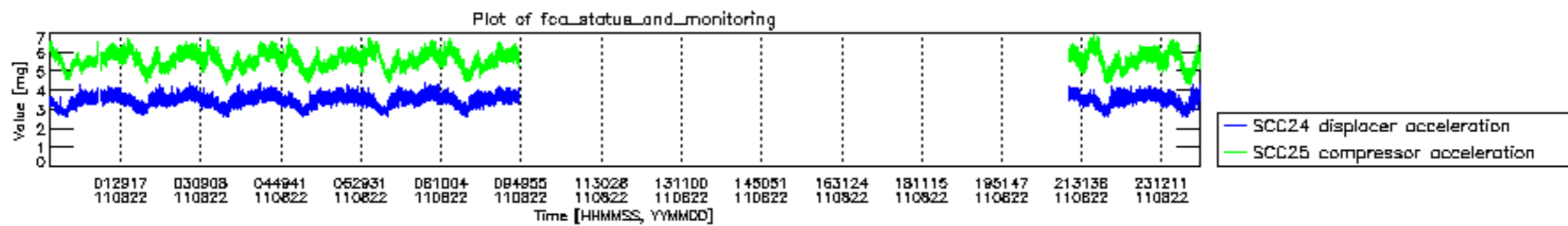




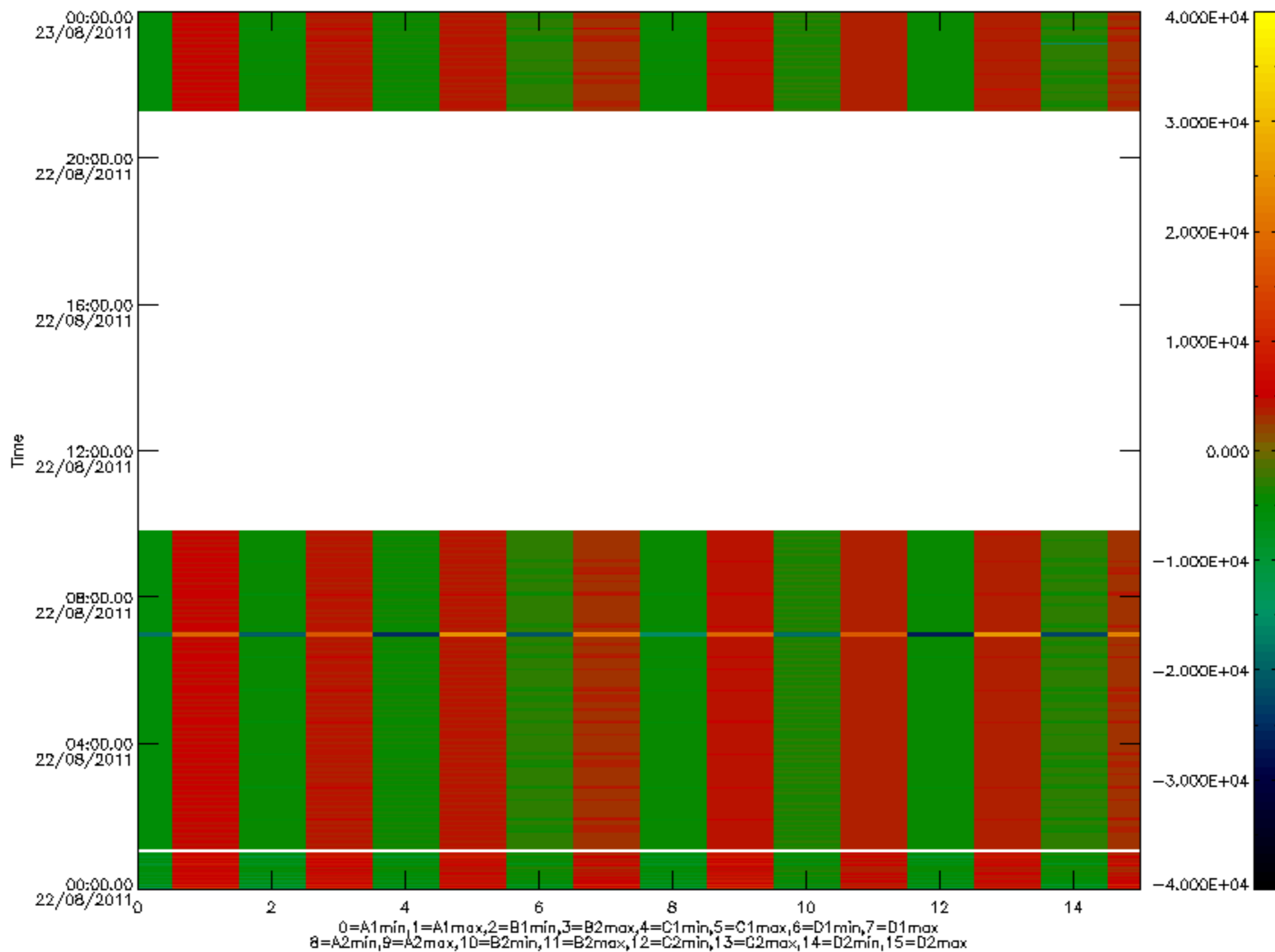


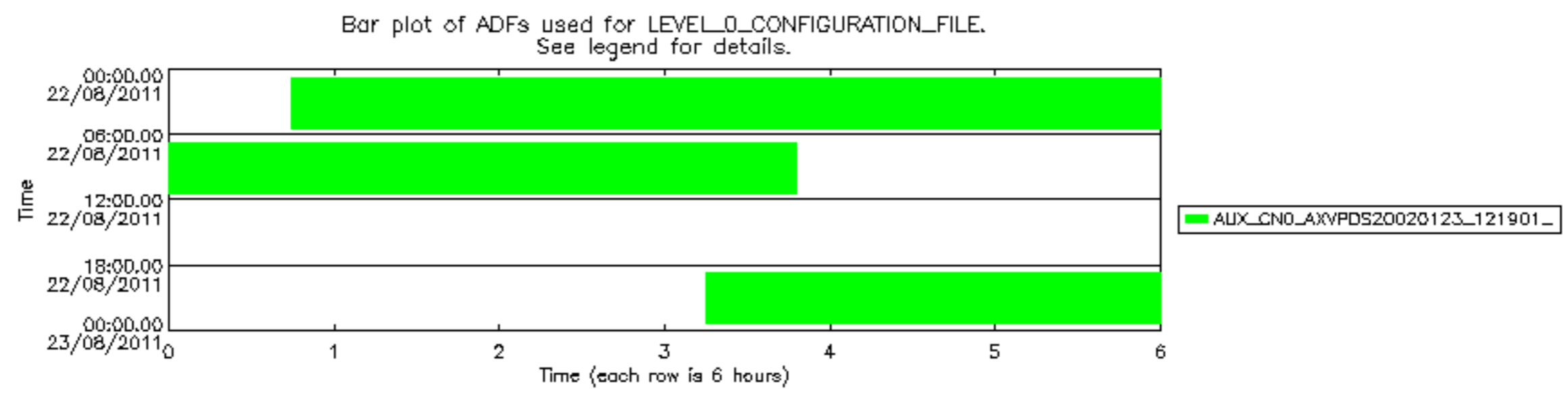






MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.





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

