

## 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	21JUN2011 05:23:40
Data source version	KSPT_L0/4504-N
Processing scope for products	16JUN2011 00:00:00 to 17JUN2011 00:00:00
Start time of first product within scope	16JUN2011 00:00:46
Stop time of last product within scope	17JUN2011 01:05:53
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__0PNPDE20110616_000046_000059333103_00303_48593_9047.N1	16JUN2011 00:00:46	16JUN2011 01:39:39	0	0	0	0	0
1	MIP_NL__0PNPDE20110616_025206_000061523103_00305_48595_9048.N1	16JUN2011 02:52:06	16JUN2011 04:34:39	0	0	0	0	0
2	MIP_NL__0PNPDE20110616_043408_000060753103_00306_48596_9049.N1	16JUN2011 04:34:08	16JUN2011 06:15:23	0	0	0	0	0
3	MIP_NL__0PNPDK20110616_061449_000040973103_00307_48597_5502.N1	16JUN2011 06:14:49	16JUN2011 07:23:06	0	0	0	0	0
4	MIP_NL__0PNPDK20110616_072233_000061383103_00308_48598_5503.N1	16JUN2011 07:22:33	16JUN2011 09:04:50	0	0	0	0	0
5	MIP_NL__0PNPDK20110616_090409_000059763103_00309_48599_5504.N1	16JUN2011 09:04:09	16JUN2011 10:43:45	0	0	0	0	0
6	MIP_NL__0PNPDK20110616_104303_000059253103_00310_48600_5505.N1	16JUN2011 10:43:03	16JUN2011 12:21:48	0	0	0	0	0
7	MIP_NL__0PNPDK20110616_122106_000059983103_00311_48601_5506.N1	16JUN2011 12:21:06	16JUN2011 14:01:04	0	0	0	0	0
8	MIP_NL__0PNPDK20110616_140030_000058773103_00312_48602_5507.N1	16JUN2011 14:00:30	16JUN2011 15:38:27	0	0	0	0	0
9	MIP_NL__0PNPDK20110616_153743_000058873103_00313_48603_5508.N1	16JUN2011 15:37:43	16JUN2011 17:15:50	0	0	0	0	0
10	MIP_NL__0PNPDK20110616_171508_000058523103_00314_48604_5510.N1	16JUN2011 17:15:08	16JUN2011 18:52:40	0	0	0	0	0
11	MIP_NL__0PNPDK20110616_185143_000061153103_00315_48605_5511.N1	16JUN2011 18:51:43	16JUN2011 20:33:38	0	0	0	0	0
12	MIP_NL__0PNPDE20110616_203206_000043453103_00316_48606_9050.N1	16JUN2011 20:32:06	16JUN2011 21:44:32	0	0	0	0	0
13	MIP_NL__0PNPDE20110616_214329_000061653103_00316_48606_9051.N1	16JUN2011 21:43:29	16JUN2011 23:26:14	0	0	0	0	0
14	MIP_NL__0PNPDE20110616_232513_000060403103_00317_48607_9052.N1	16JUN2011 23:25:13	17JUN2011 01:05:53	0	0	0	0	0

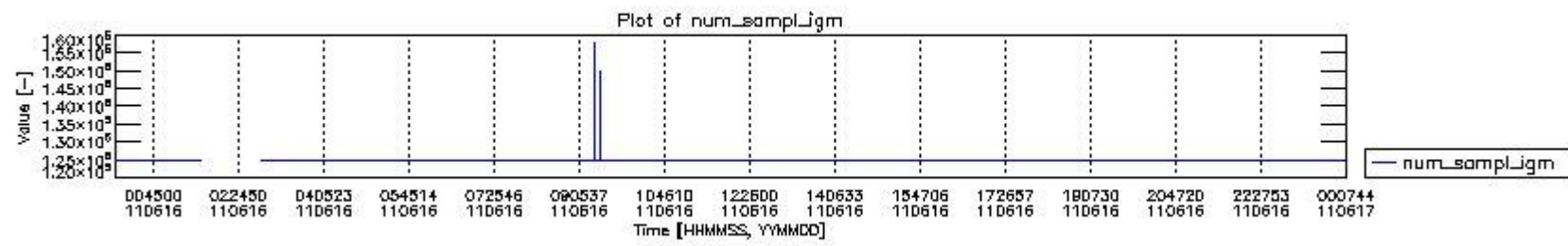
## 0.2 Instrument Operational Performance Parameters

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.

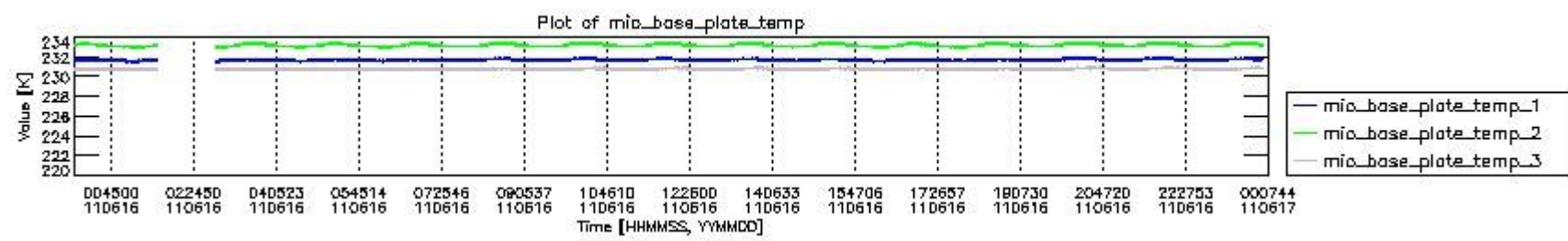
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124800	36681	92.900922
124803	2797	7.0838821
127159	1	0.0025326715

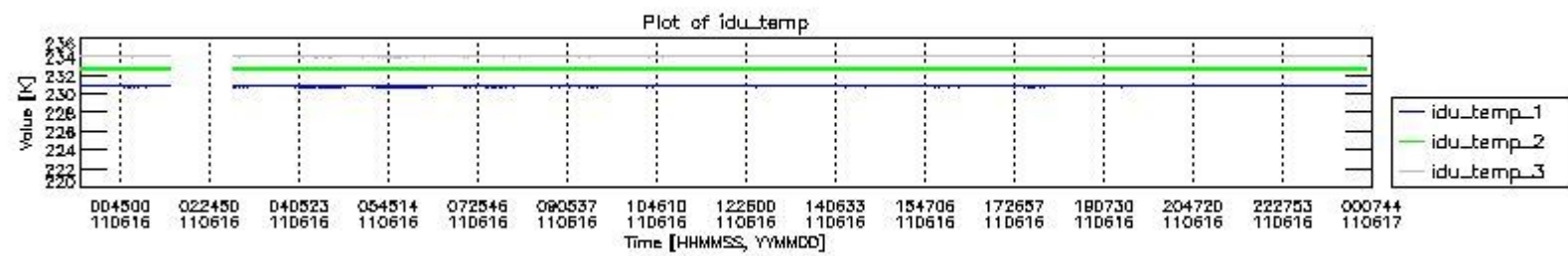
131248	1	0.0025326715
147291	1	0.0025326715
149650	1	0.0025326715
151380	1	0.0025326715
157828	1	0.0025326715



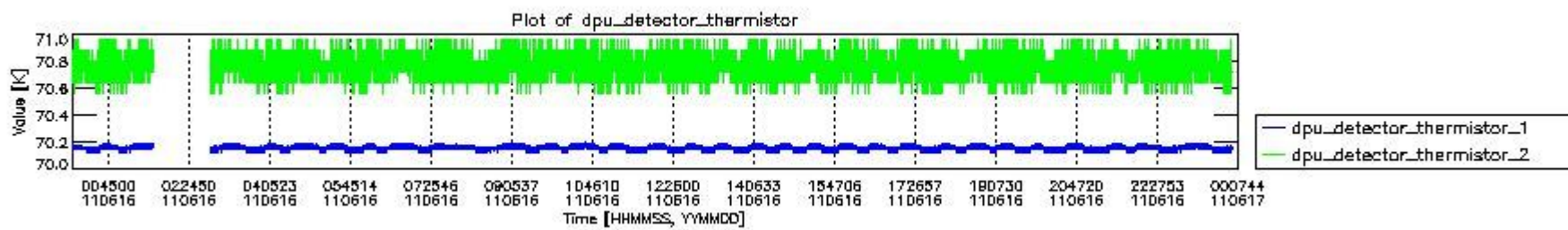
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110616\_0.PNG



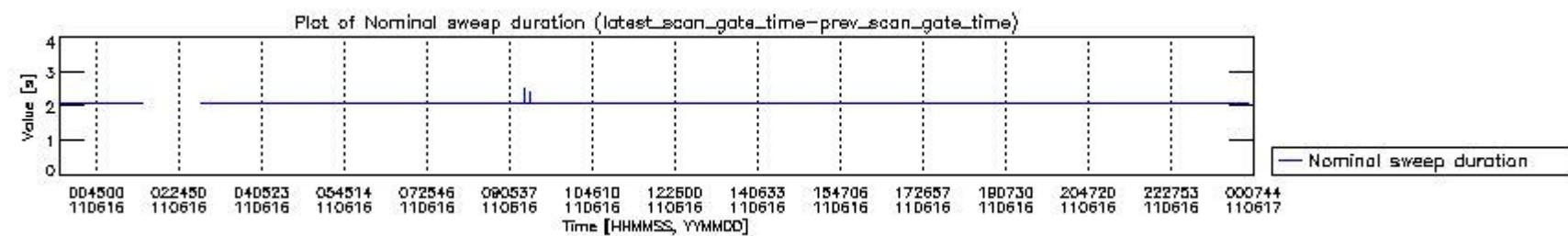
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110616\_1.PNG



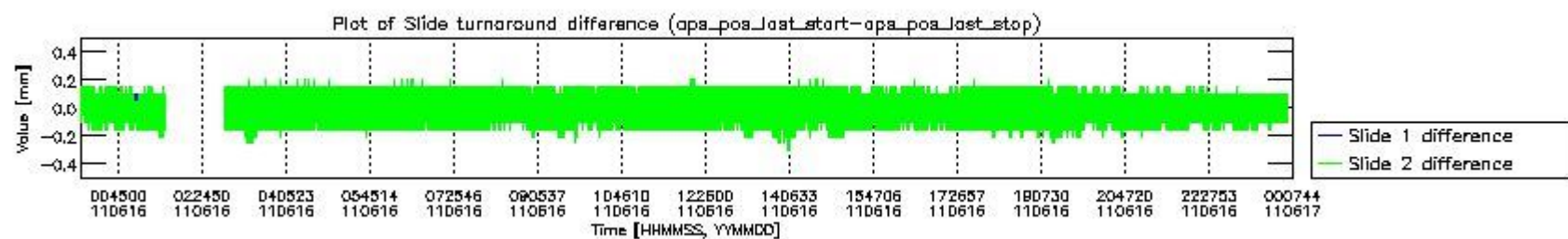
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110616\_2.PNG



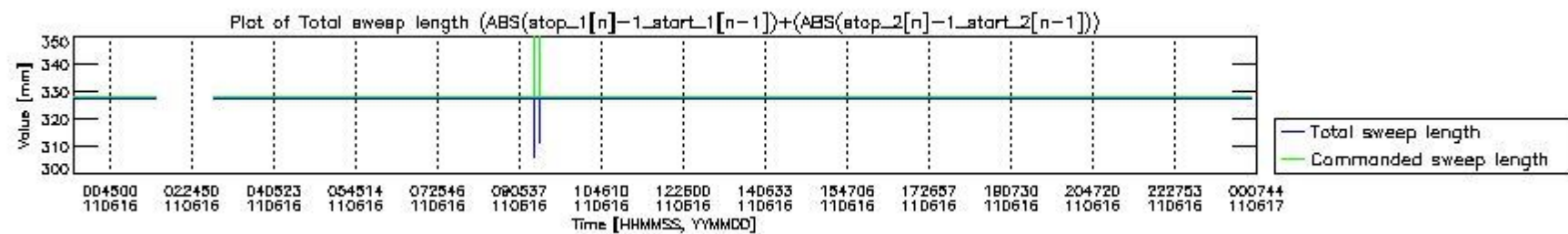
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110616\_3.PNG



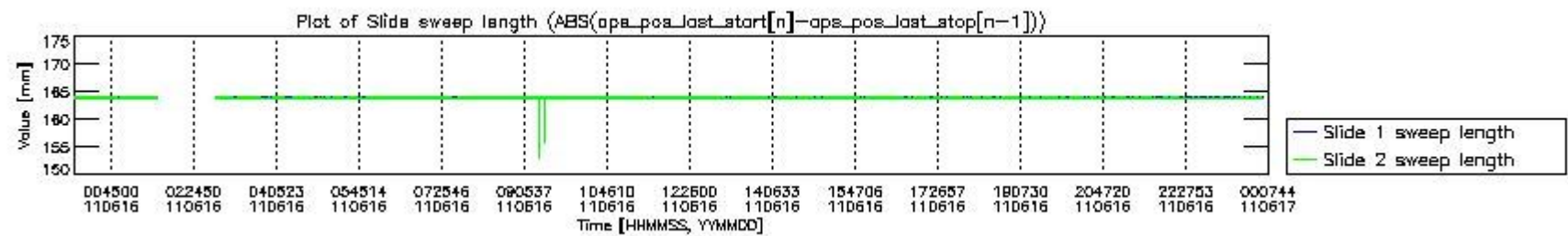
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110616\_4.PNG



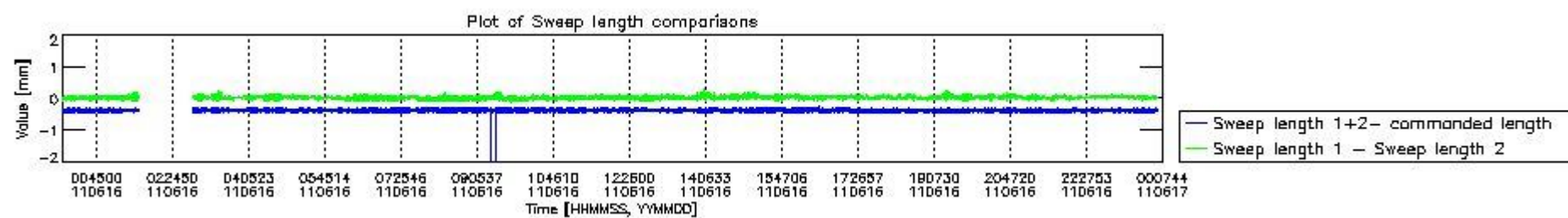
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110616\_5.PNG



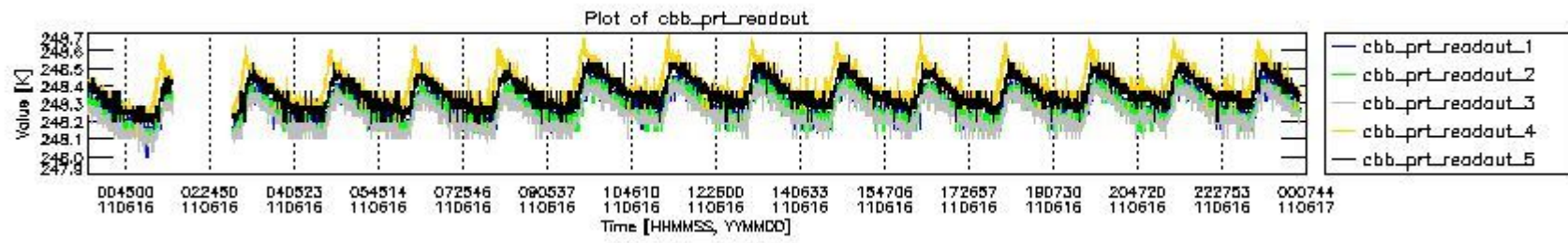
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110616\_6.PNG



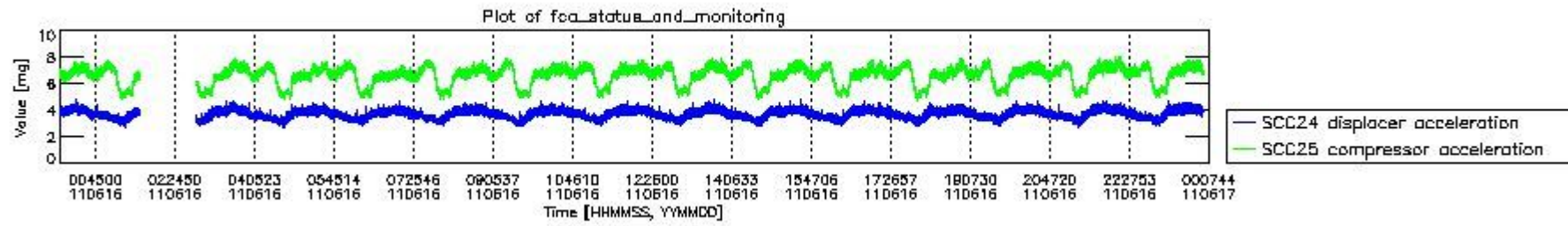
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110616\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110616\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110616\_9.PNG

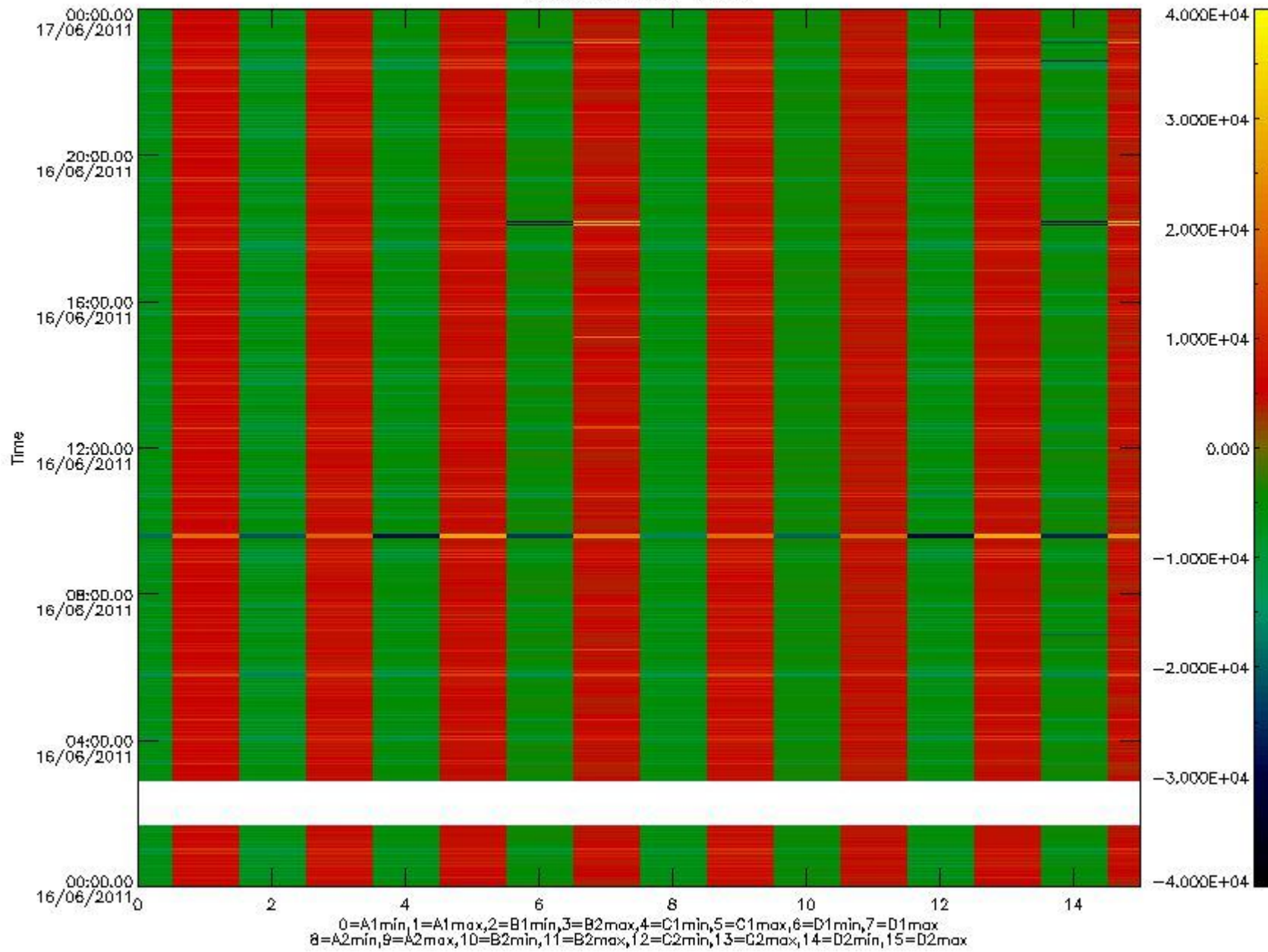


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110616\_10.PNG

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

Channel	Min	Max	ADC
A1	-19205	20439	16bit
B1	-22186	18910	16bit
C1	-28702	28640	16bit
D1	-32768	32767	16bit
A2	-16535	20582	16bit
B2	-20585	20093	16bit
C2	-29803	29503	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\_20110616\_11.PNG

### 0.3 ADF monitoring

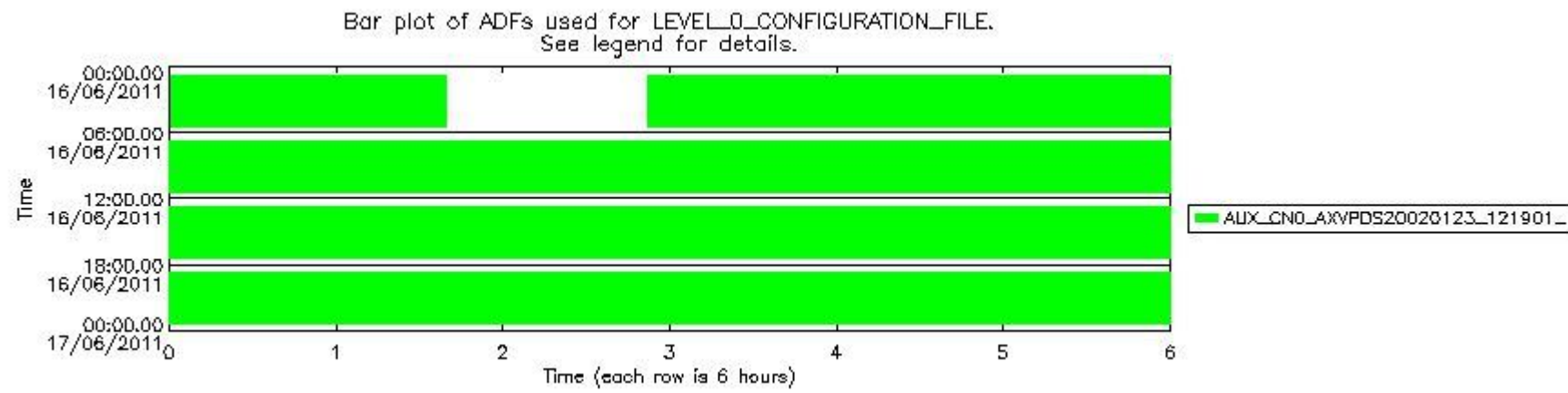
The use of ADFs is shown in two ways:

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.

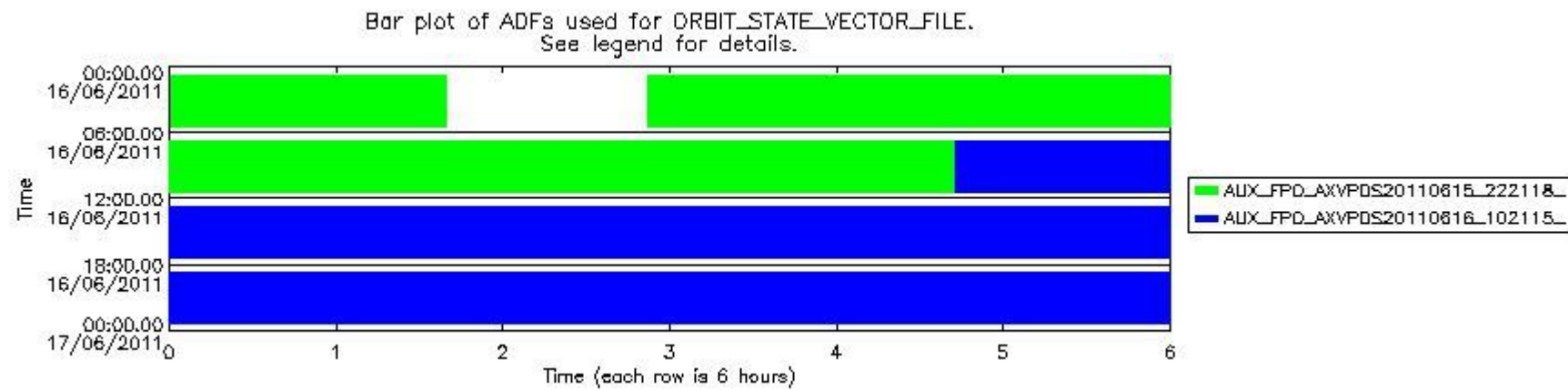
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110615_222118_20110615_073024_20110625_094413
2	AUX_FPO_AXVPDS20110616_102115_20110615_191202_20110625_212548

Number	Product name	#CN0	#FPO
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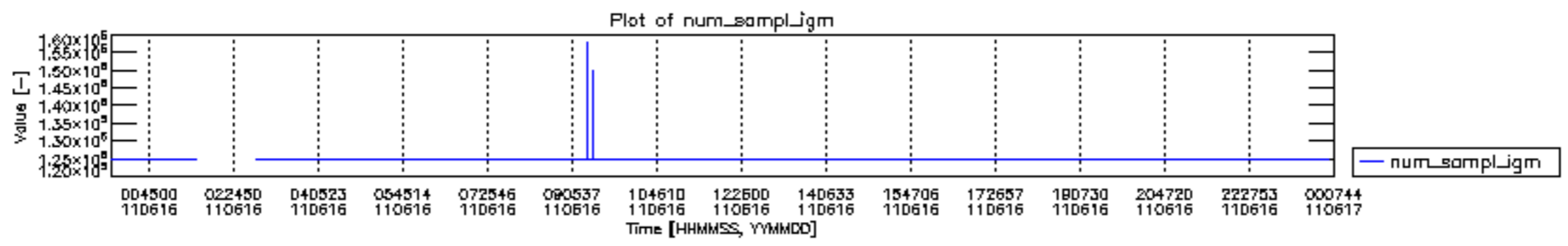
0	MIP_NL__0PNPDE20110616_000046_000059333103_00303_48593_9047.N1	0	1
1	MIP_NL__0PNPDE20110616_025206_000061523103_00305_48595_9048.N1	0	1
2	MIP_NL__0PNPDE20110616_043408_000060753103_00306_48596_9049.N1	0	1
3	MIP_NL__0PNPDK20110616_061449_000040973103_00307_48597_5502.N1	0	1
4	MIP_NL__0PNPDK20110616_072233_000061383103_00308_48598_5503.N1	0	1
5	MIP_NL__0PNPDK20110616_090409_000059763103_00309_48599_5504.N1	0	1
6	MIP_NL__0PNPDK20110616_104303_000059253103_00310_48600_5505.N1	0	2
7	MIP_NL__0PNPDK20110616_122106_000059983103_00311_48601_5506.N1	0	2
8	MIP_NL__0PNPDK20110616_140030_000058773103_00312_48602_5507.N1	0	2
9	MIP_NL__0PNPDK20110616_153743_000058873103_00313_48603_5508.N1	0	2
10	MIP_NL__0PNPDK20110616_171508_000058523103_00314_48604_5510.N1	0	2
11	MIP_NL__0PNPDK20110616_185143_000061153103_00315_48605_5511.N1	0	2
12	MIP_NL__0PNPDE20110616_203206_000043453103_00316_48606_9050.N1	0	2
13	MIP_NL__0PNPDE20110616_214329_000061653103_00316_48606_9051.N1	0	2
14	MIP_NL__0PNPDE20110616_232513_000060403103_00317_48607_9052.N1	0	2

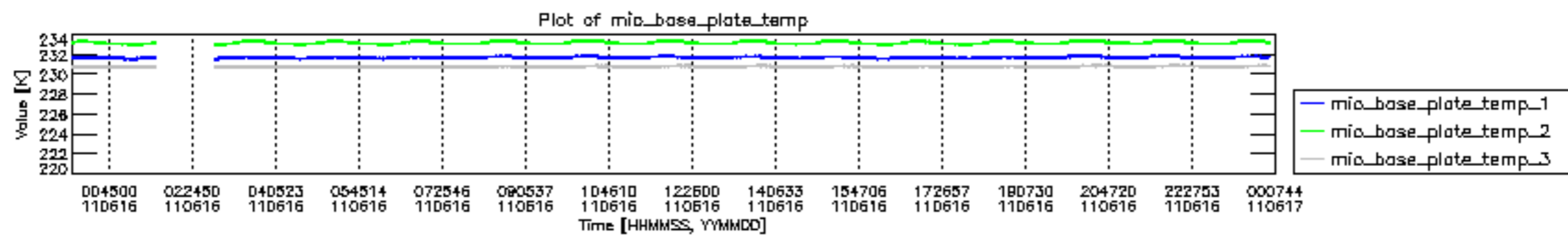


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110616\_12.PNG

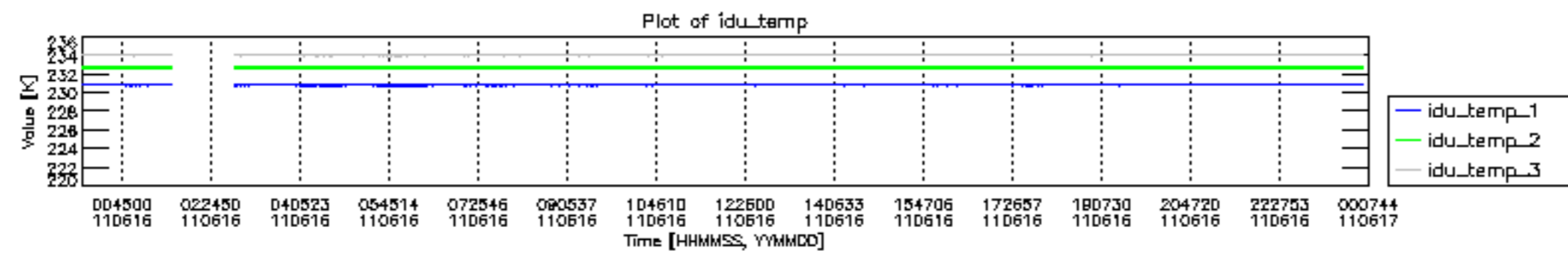


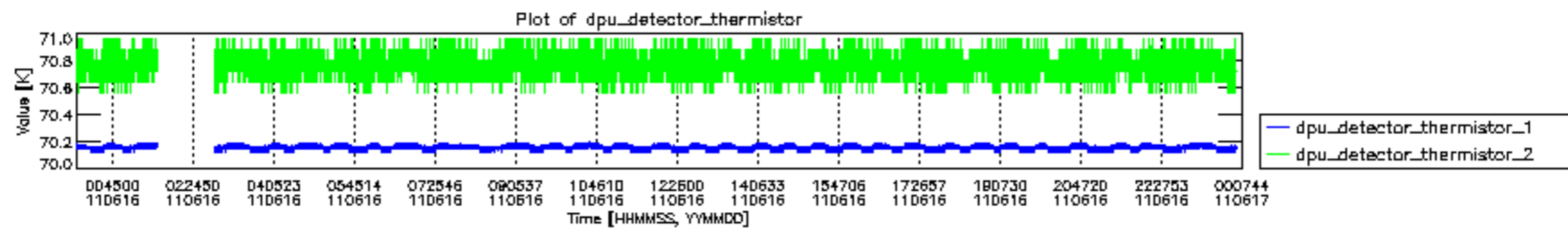
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110616\_13.PNG

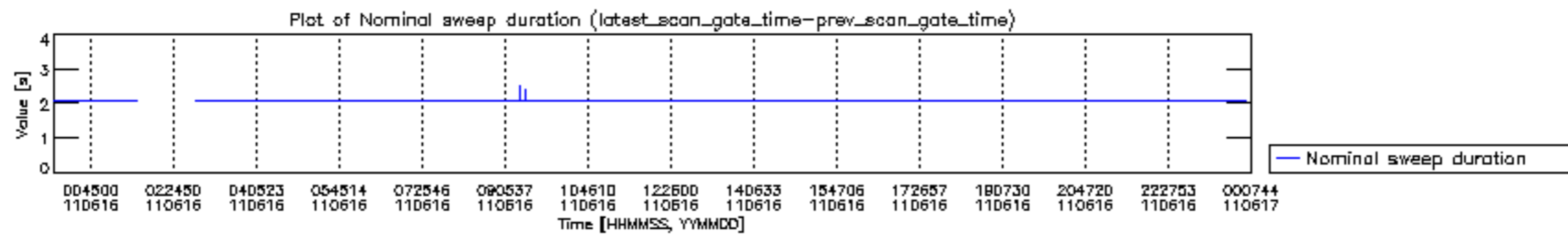




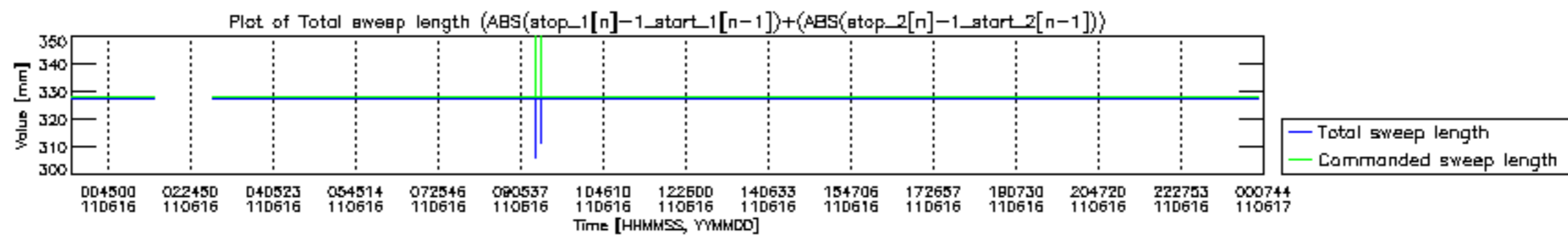


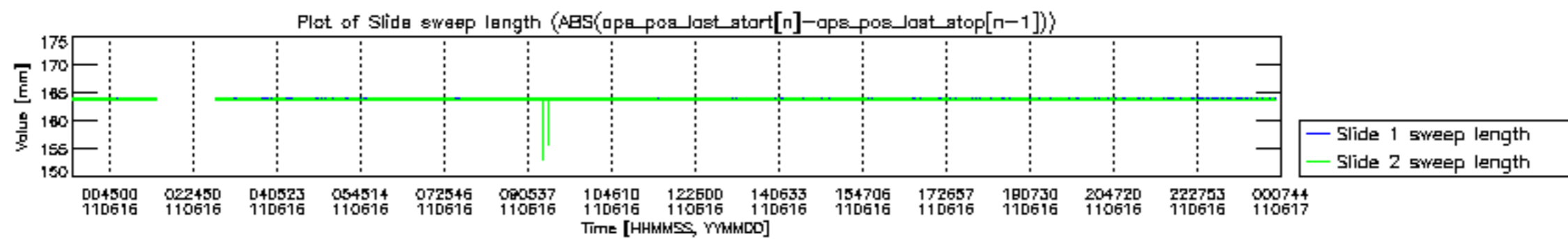


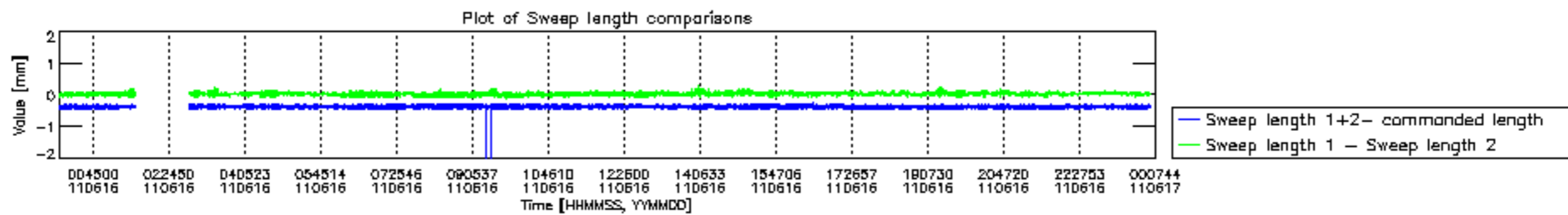


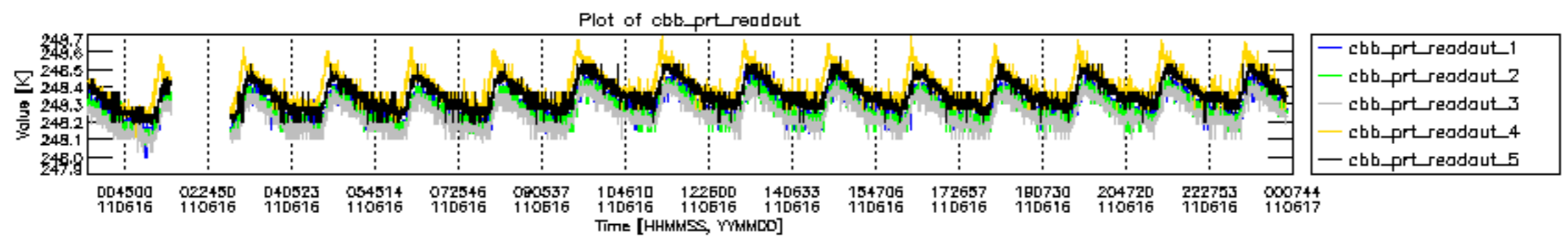




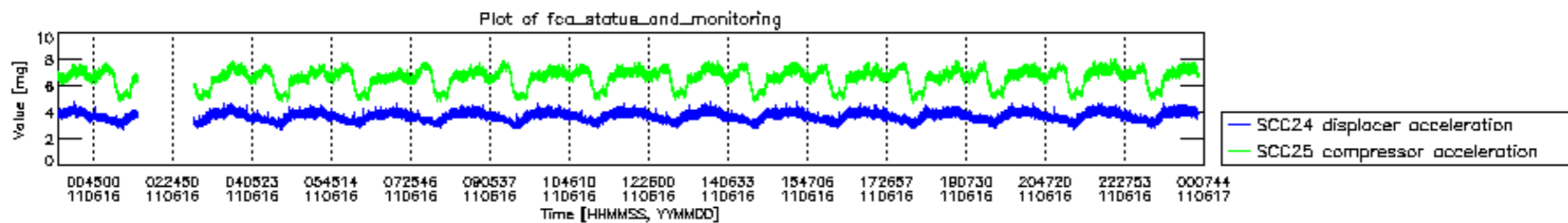




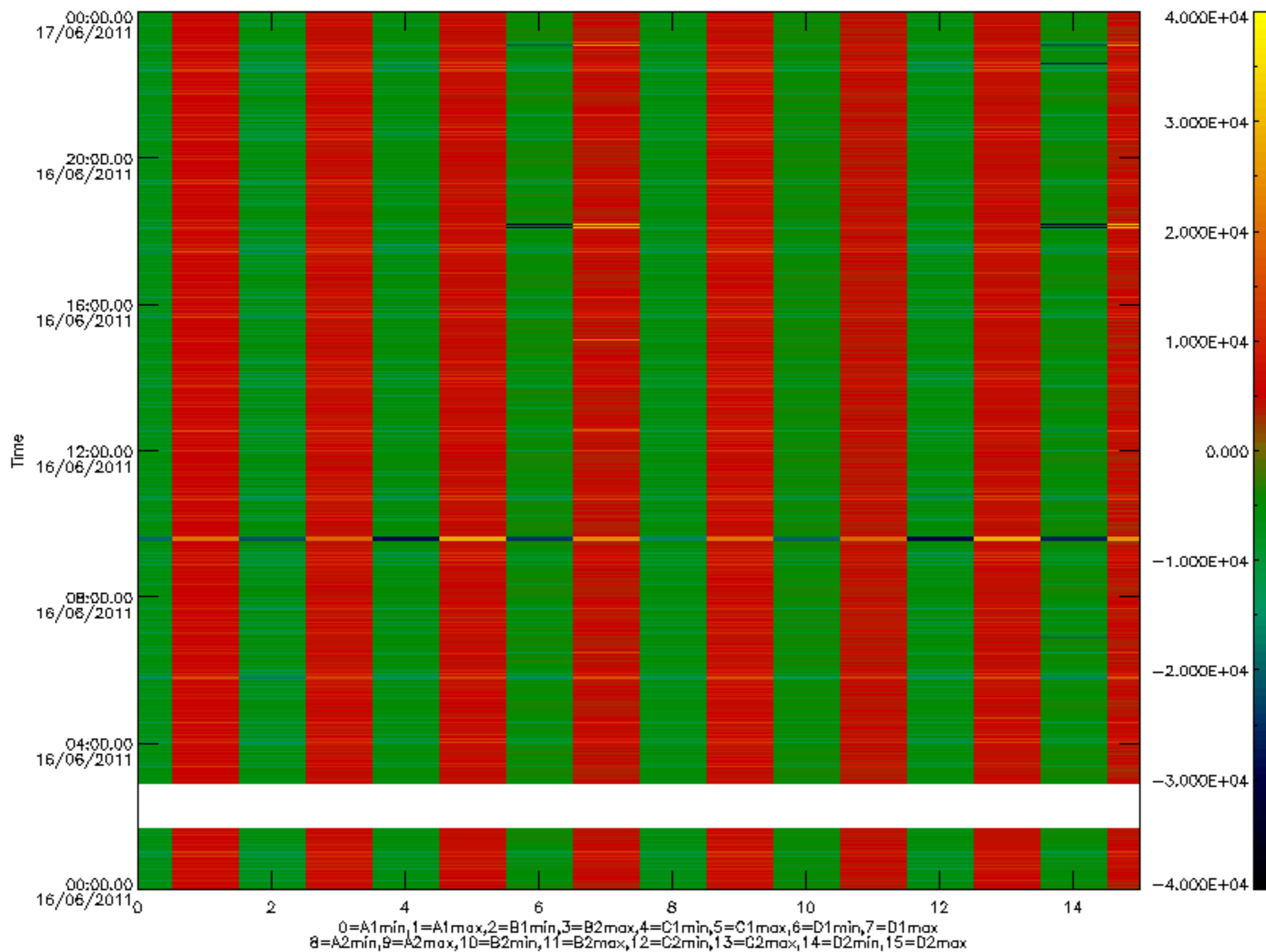


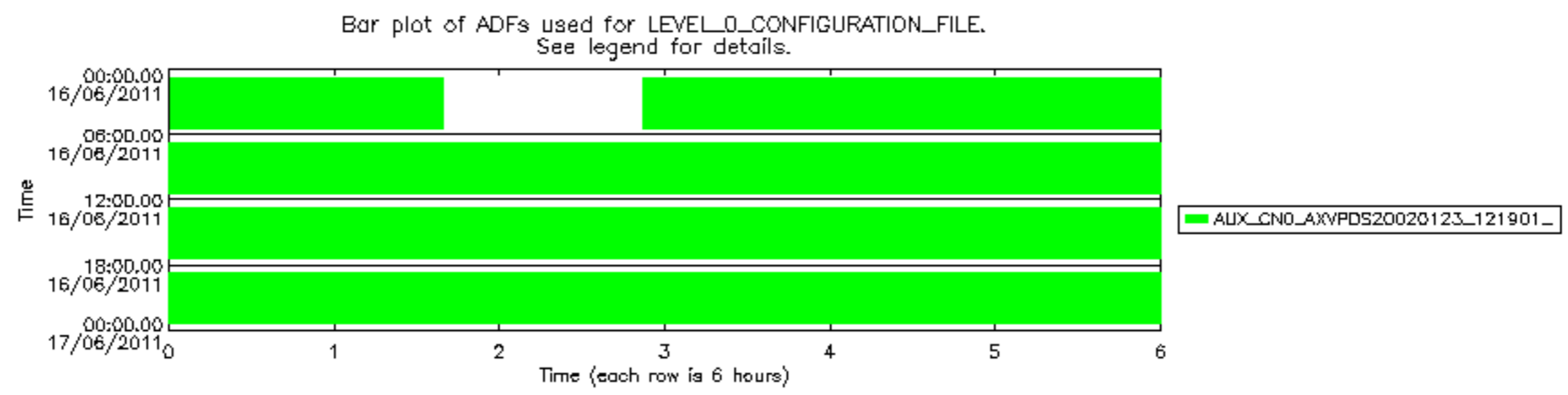






MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.





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

