

## 0. MIPAS Daily Report for level 0 products

### [0.1 General Info](#)

### [0.2 Instrument Operational Performance Parameters](#)

### [0.3 ADF monitoring](#)

## 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	18SEP2011 05:24:54
Data source version	KSPT_L0/4504-N
Processing scope for products	13SEP2011 00:00:00 to 14SEP2011 00:00:00
Start time of first product within scope	13SEP2011 00:39:25
Stop time of last product within scope	14SEP2011 00:03:10
Total number of level 0 products	14
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__0PNPDE20110913_003925_000058643106_00289_49872_9626.N1	13SEP2011 00:39:25	13SEP2011 02:17:09	0	0	0	0	0
1	MIP_NL__0PNPDE20110913_021611_000044623106_00290_49873_9627.N1	13SEP2011 02:16:11	13SEP2011 03:30:33	0	0	0	0	0
2	MIP_NL__0PNPDE20110913_032959_000061483106_00291_49874_9628.N1	13SEP2011 03:29:59	13SEP2011 05:12:27	0	0	0	0	0
3	MIP_NL__0PNPDE20110913_051154_000023953106_00292_49875_9629.N1	13SEP2011 05:11:54	13SEP2011 05:51:49	0	0	0	0	0
4	MIP_NL__0PNPDK20110913_091156_000017383106_00295_49878_6301.N1	13SEP2011 09:11:56	13SEP2011 09:40:53	0	0	0	0	0
5	MIP_NL__0PNPDK20110913_094012_000060223106_00295_49878_6302.N1	13SEP2011 09:40:12	13SEP2011 11:20:34	0	0	0	0	0
6	MIP_NL__0PNPDK20110913_111950_000059833106_00296_49879_6303.N1	13SEP2011 11:19:50	13SEP2011 12:59:33	0	0	0	0	0
7	MIP_NL__0PNPDK20110913_125900_000058533106_00297_49880_6304.N1	13SEP2011 12:59:00	13SEP2011 14:36:33	0	0	0	0	0
8	MIP_NL__0PNPDK20110913_143457_000059523106_00298_49881_6305.N1	13SEP2011 14:34:57	13SEP2011 16:14:09	0	0	0	0	0
9	MIP_NL__0PNPDK20110913_161310_000059983106_00299_49882_6306.N1	13SEP2011 16:13:10	13SEP2011 17:53:08	0	0	0	0	0
10	MIP_NL__0PNPDK20110913_175209_000058953106_00300_49883_6307.N1	13SEP2011 17:52:09	13SEP2011 19:30:24	0	0	0	0	0
11	MIP_NL__0PNPDK20110913_192840_000061233106_00301_49884_6308.N1	13SEP2011 19:28:40	13SEP2011 21:10:43	0	0	0	0	0
12	MIP_NL__0PNPDE20110913_210915_000043953106_00302_49885_9630.N1	13SEP2011 21:09:15	13SEP2011 22:22:30	0	0	0	0	0
13	MIP_NL__0PNPDE20110913_222130_000061003106_00302_49885_9631.N1	13SEP2011 22:21:30	14SEP2011 00:03:10	0	0	0	0	0

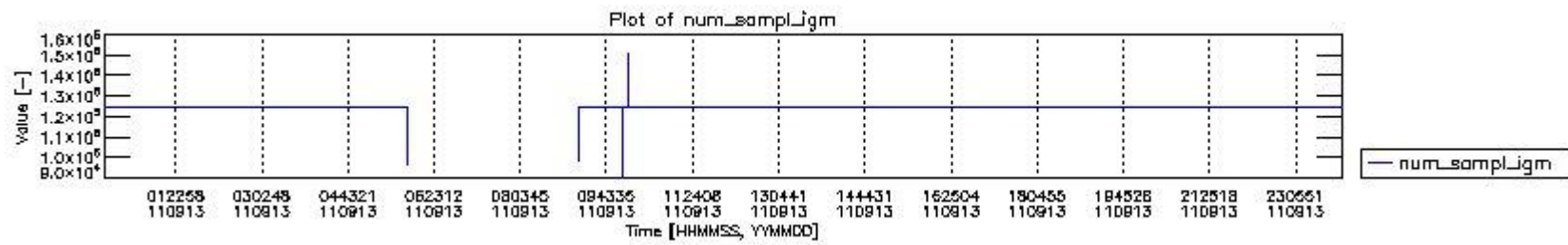
## 0.2 Instrument Operational Performance Parameters

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.

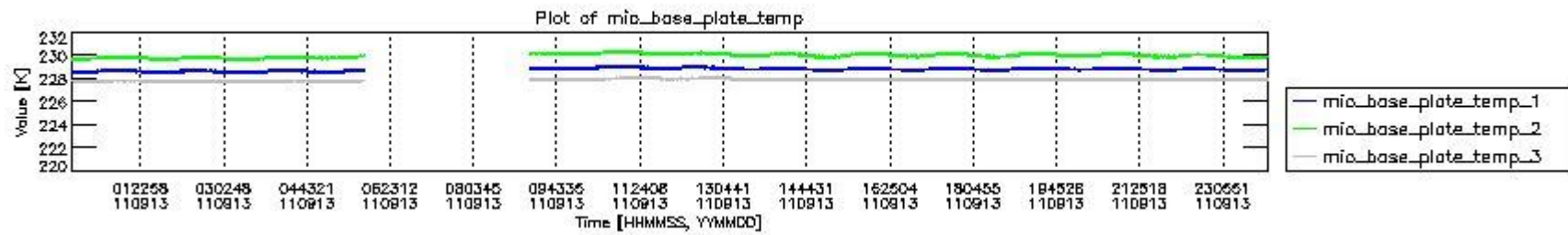
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
90028	1	0.0027875341
96274	1	0.0027875341
97348	1	0.0027875341
98847	1	0.0027875341

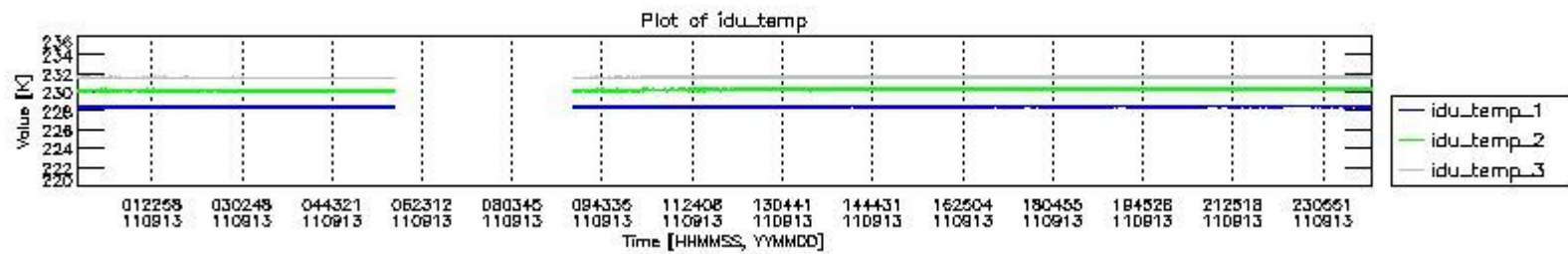
100471	1	0.0027875341
117480	1	0.0027875341
120603	1	0.0027875341
123398	1	0.0027875341
124099	1	0.0027875341
124800	33316	92.869488
124803	2546	7.0970619
127754	1	0.0027875341
147886	1	0.0027875341
150840	1	0.0027875341



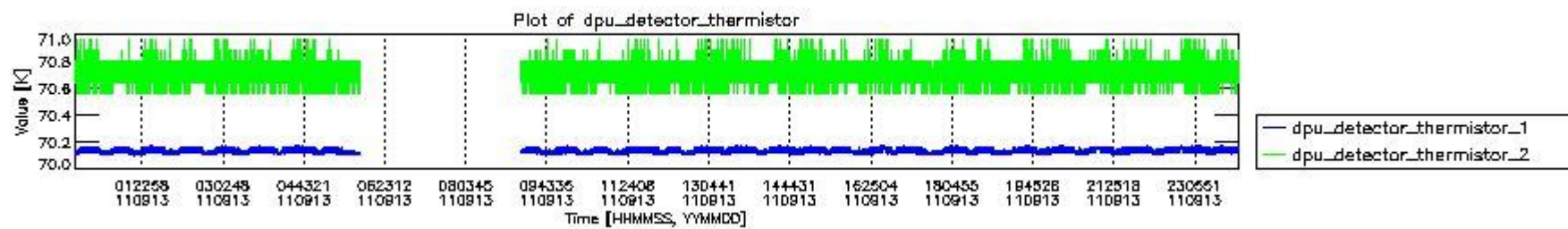
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110913\_0.PNG



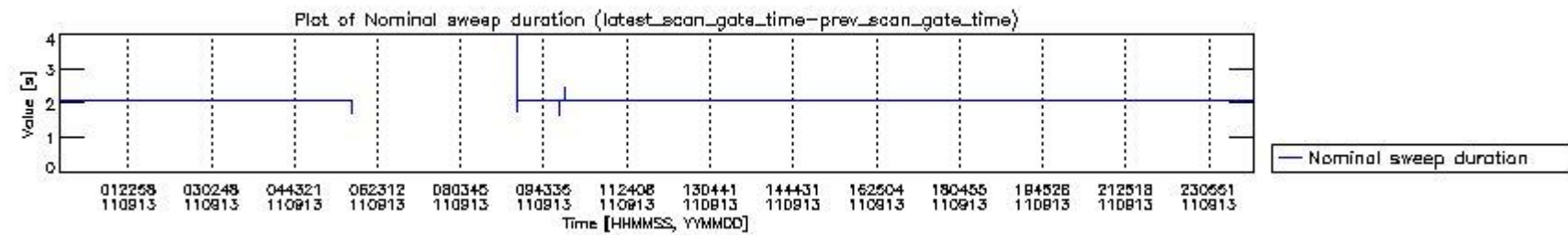
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110913\_1.PNG



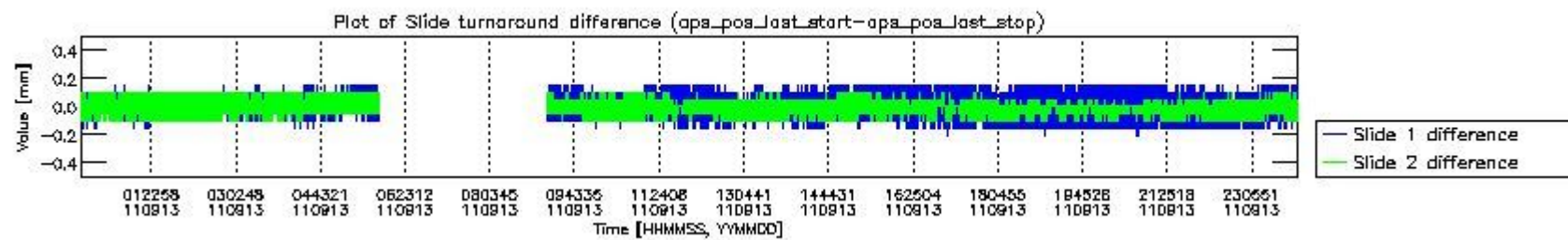
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110913\_2.PNG



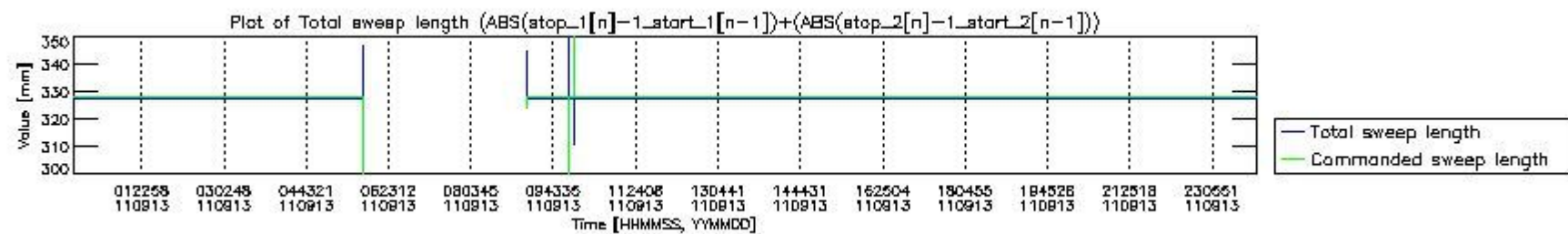
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110913\_3.PNG



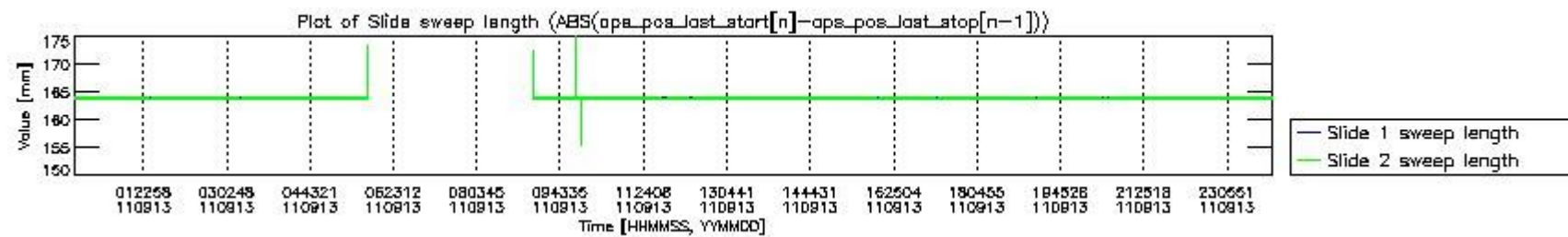
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110913\_4.PNG



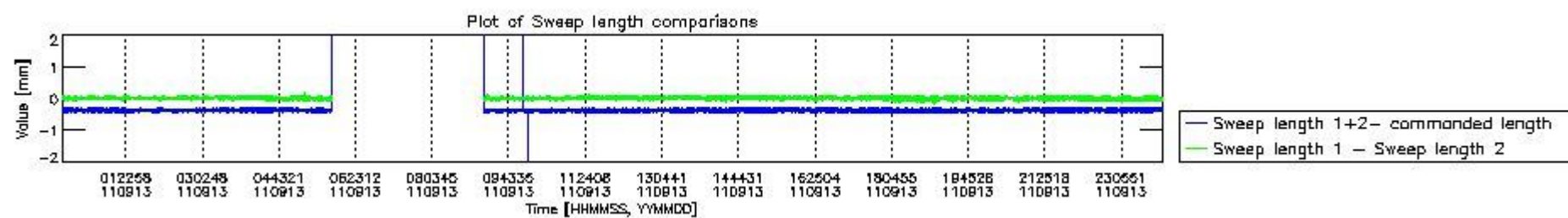
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110913\_5.PNG



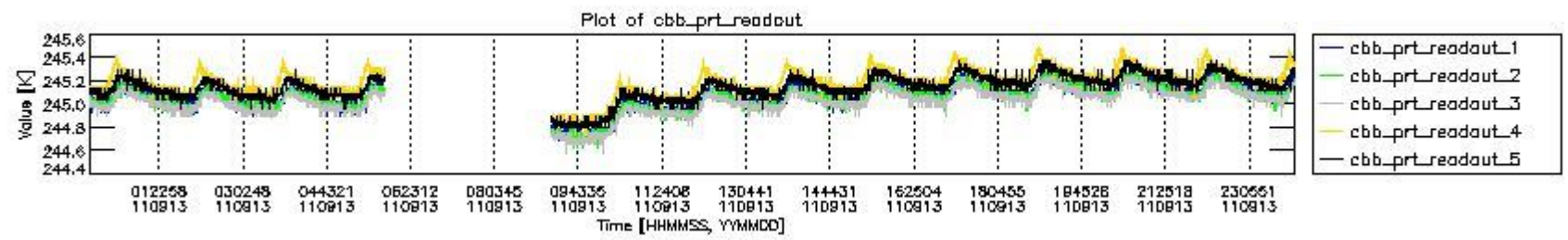
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110913\_6.PNG



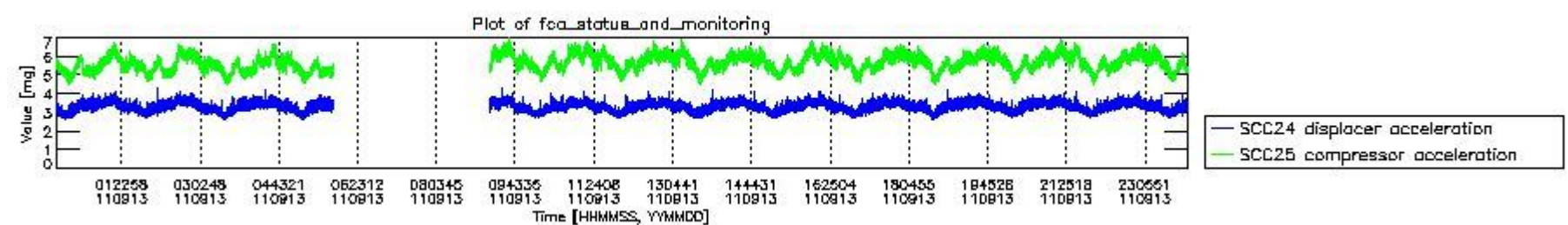
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110913\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110913\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110913\_9.PNG



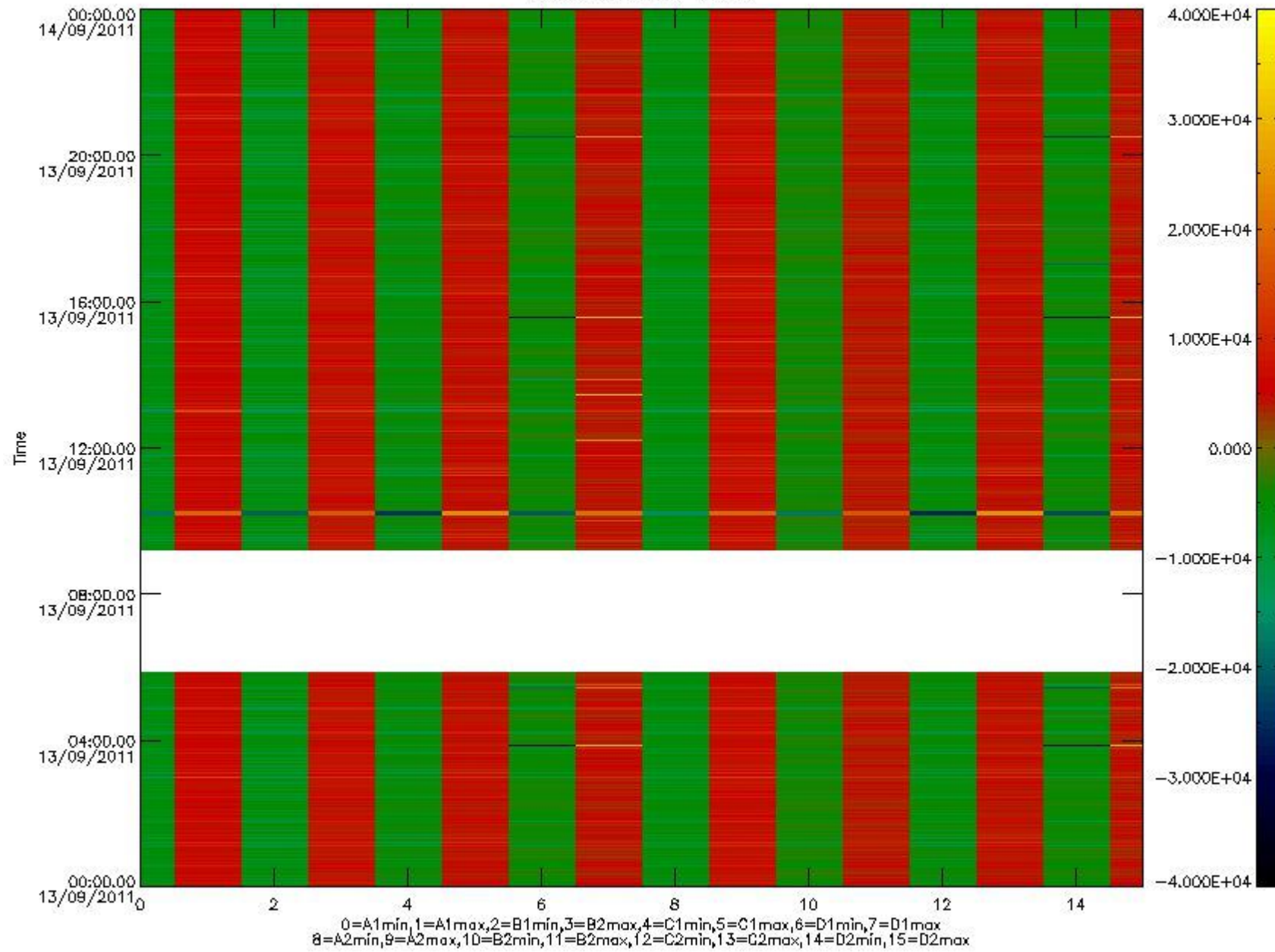
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110913\_10.PNG

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

Channel	Min	Max	ADC
A1	-32768	32767	16bit
B1	-32768	32767	16bit
C1	-25010	24941	16bit
D1	-32768	32767	16bit
A2	-32768	28736	16bit
B2	-32768	32767	16bit
C2	-25991	25654	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\_20110913\_11.PNG

### 0.3 ADF monitoring

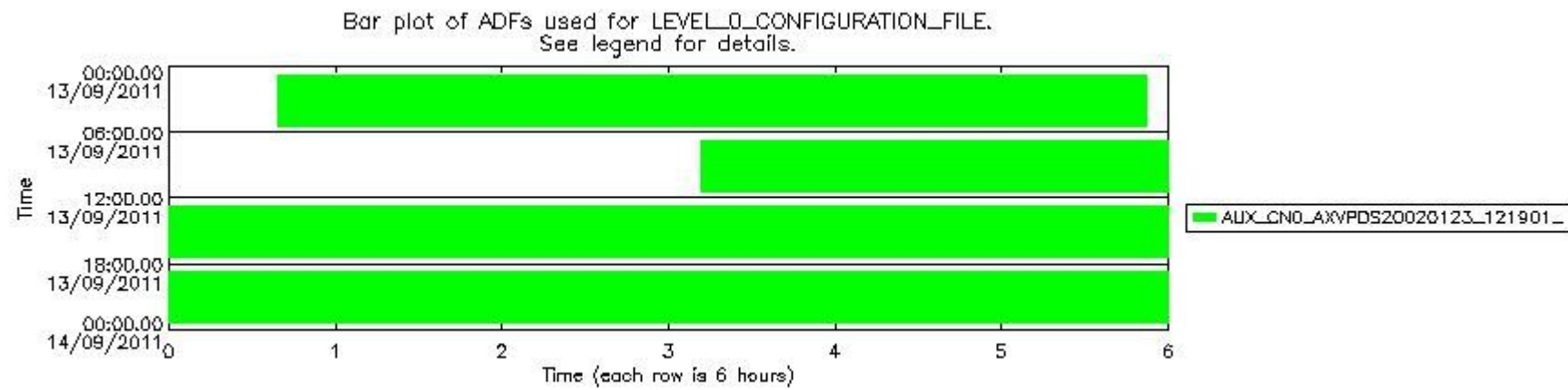
The use of ADFs is shown in two ways:

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.

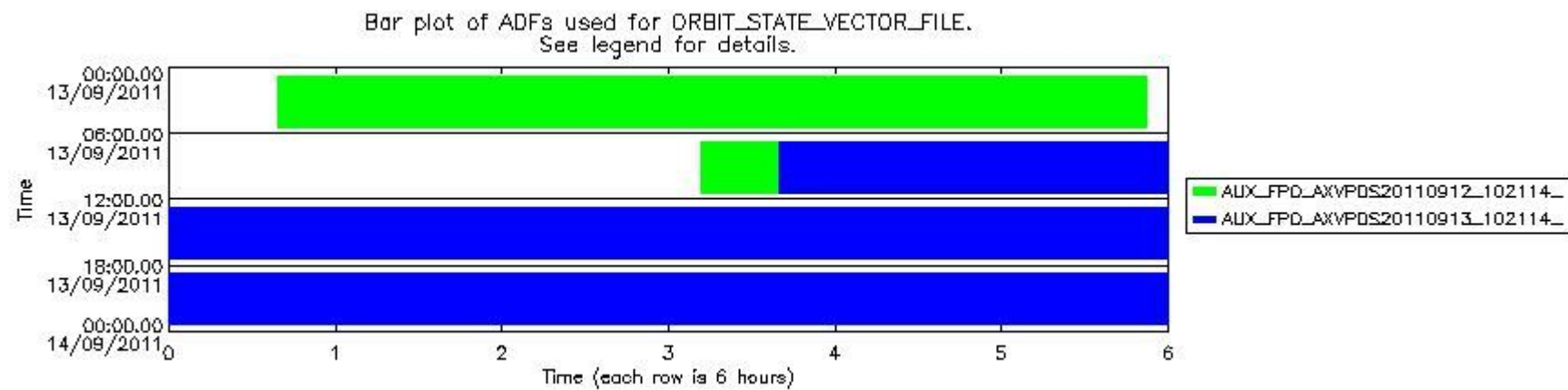
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110912_102114_20110910_192315_20110920_213700
2	AUX_FPO_AXVPDS20110913_102114_20110912_195000_20110922_202331

Number	Product name	#CN0	#FPO
--------	--------------	------	------

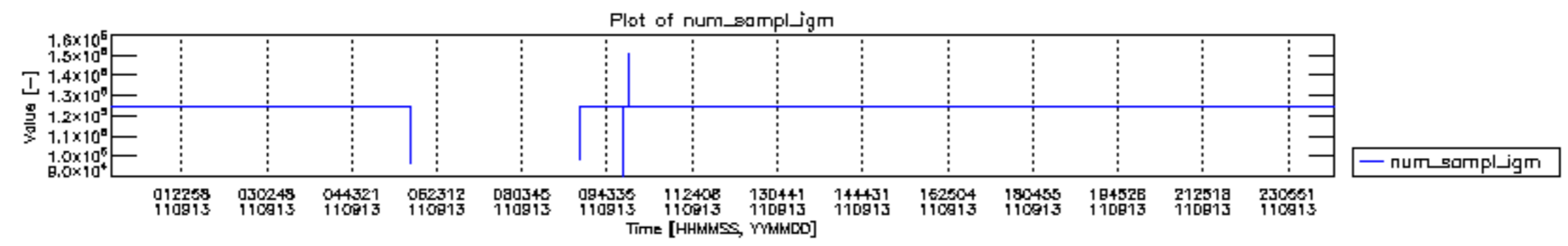
0	MIP_NL__0PNPDE20110913_003925_000058643106_00289_49872_9626.N1	0	1
1	MIP_NL__0PNPDE20110913_021611_000044623106_00290_49873_9627.N1	0	1
2	MIP_NL__0PNPDE20110913_032959_000061483106_00291_49874_9628.N1	0	1
3	MIP_NL__0PNPDE20110913_051154_000023953106_00292_49875_9629.N1	0	1
4	MIP_NL__0PNPDK20110913_091156_000017383106_00295_49878_6301.N1	0	1
5	MIP_NL__0PNPDK20110913_094012_000060223106_00295_49878_6302.N1	0	2
6	MIP_NL__0PNPDK20110913_111950_000059833106_00296_49879_6303.N1	0	2
7	MIP_NL__0PNPDK20110913_125900_000058533106_00297_49880_6304.N1	0	2
8	MIP_NL__0PNPDK20110913_143457_000059523106_00298_49881_6305.N1	0	2
9	MIP_NL__0PNPDK20110913_161310_000059983106_00299_49882_6306.N1	0	2
10	MIP_NL__0PNPDK20110913_175209_000058953106_00300_49883_6307.N1	0	2
11	MIP_NL__0PNPDK20110913_192840_000061233106_00301_49884_6308.N1	0	2
12	MIP_NL__0PNPDE20110913_210915_000043953106_00302_49885_9630.N1	0	2
13	MIP_NL__0PNPDE20110913_222130_000061003106_00302_49885_9631.N1	0	2

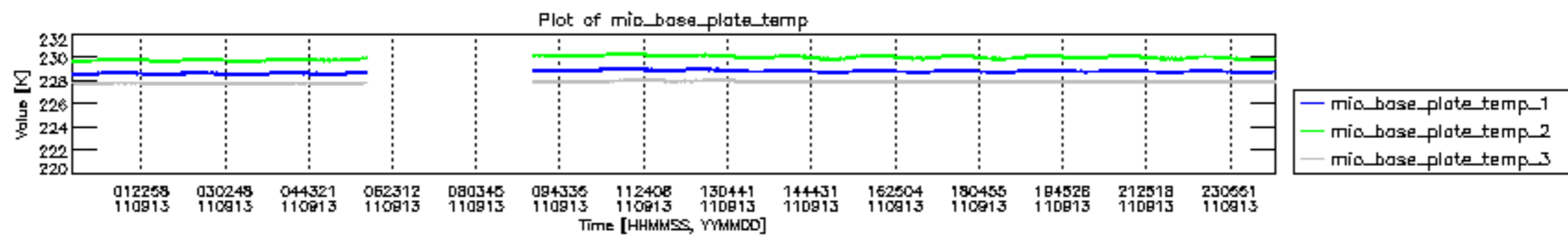


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110913\_12.PNG

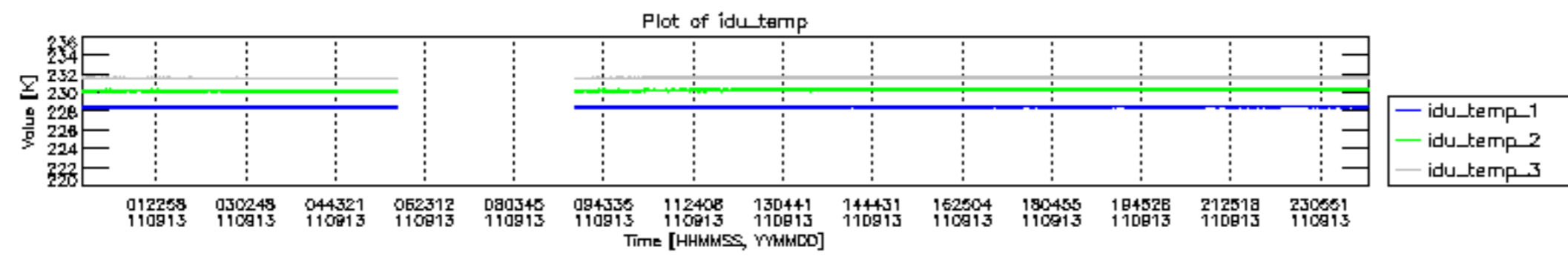


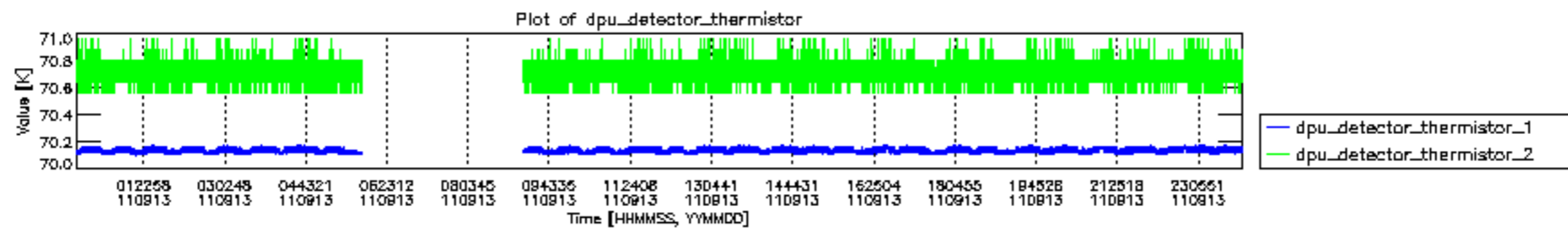
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110913\_13.PNG

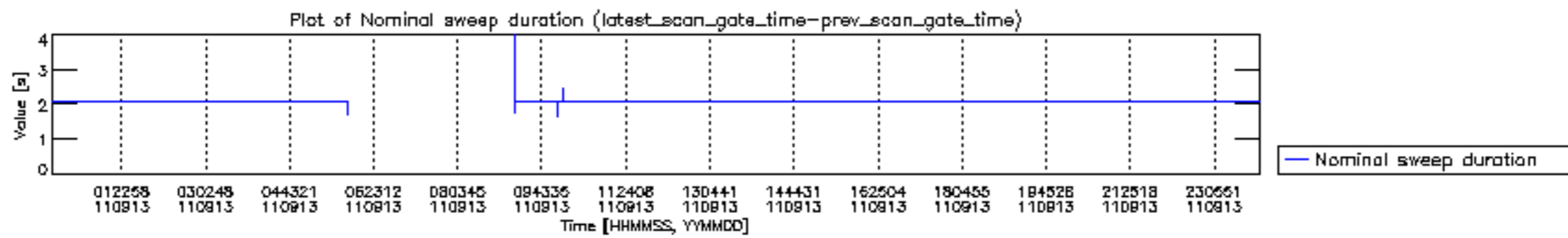


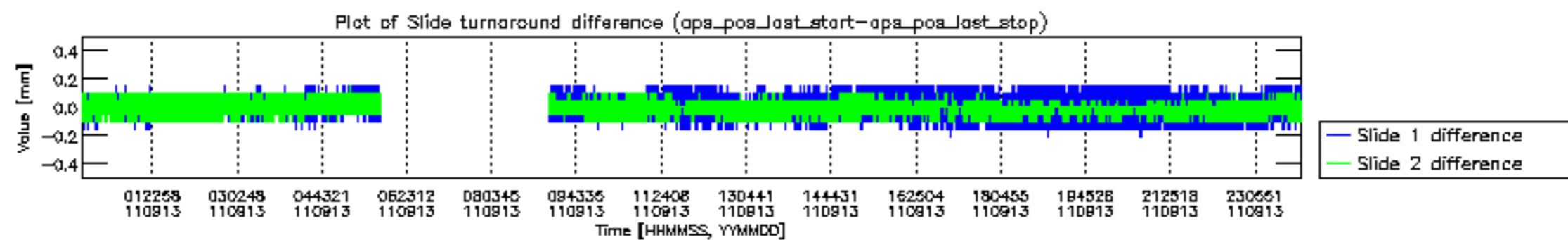


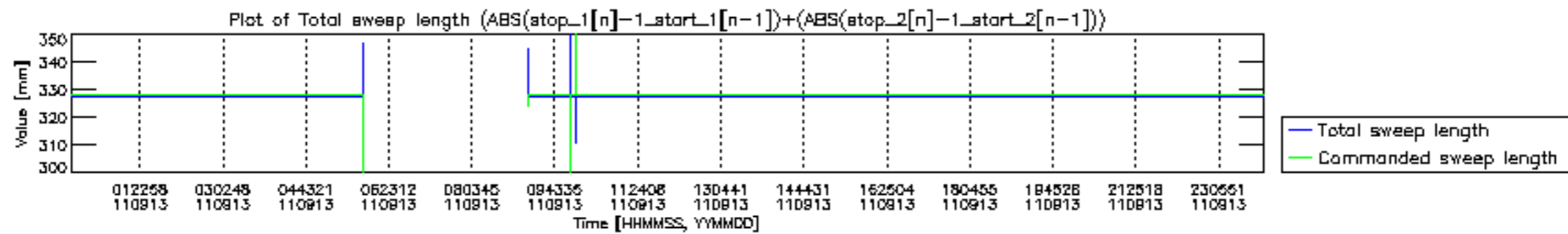




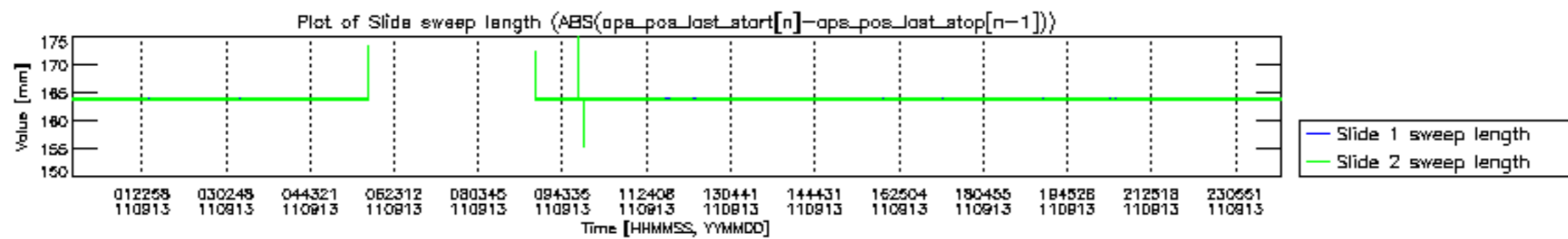


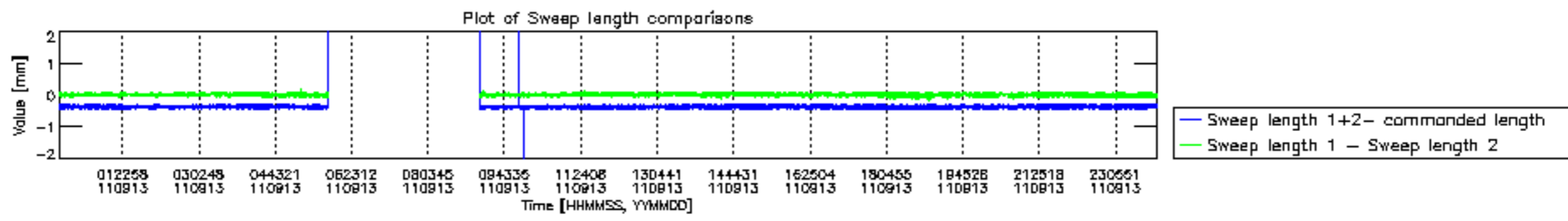


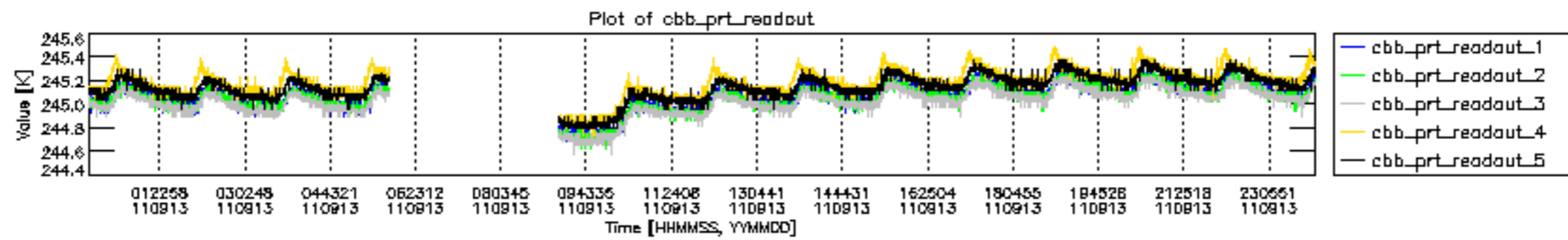


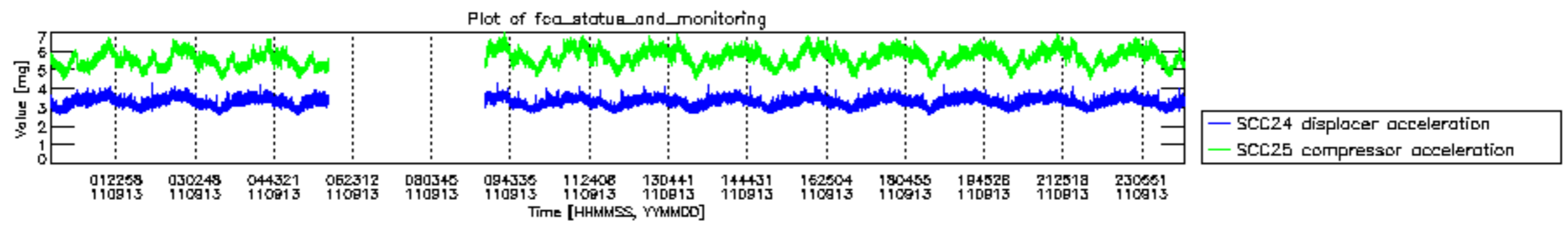




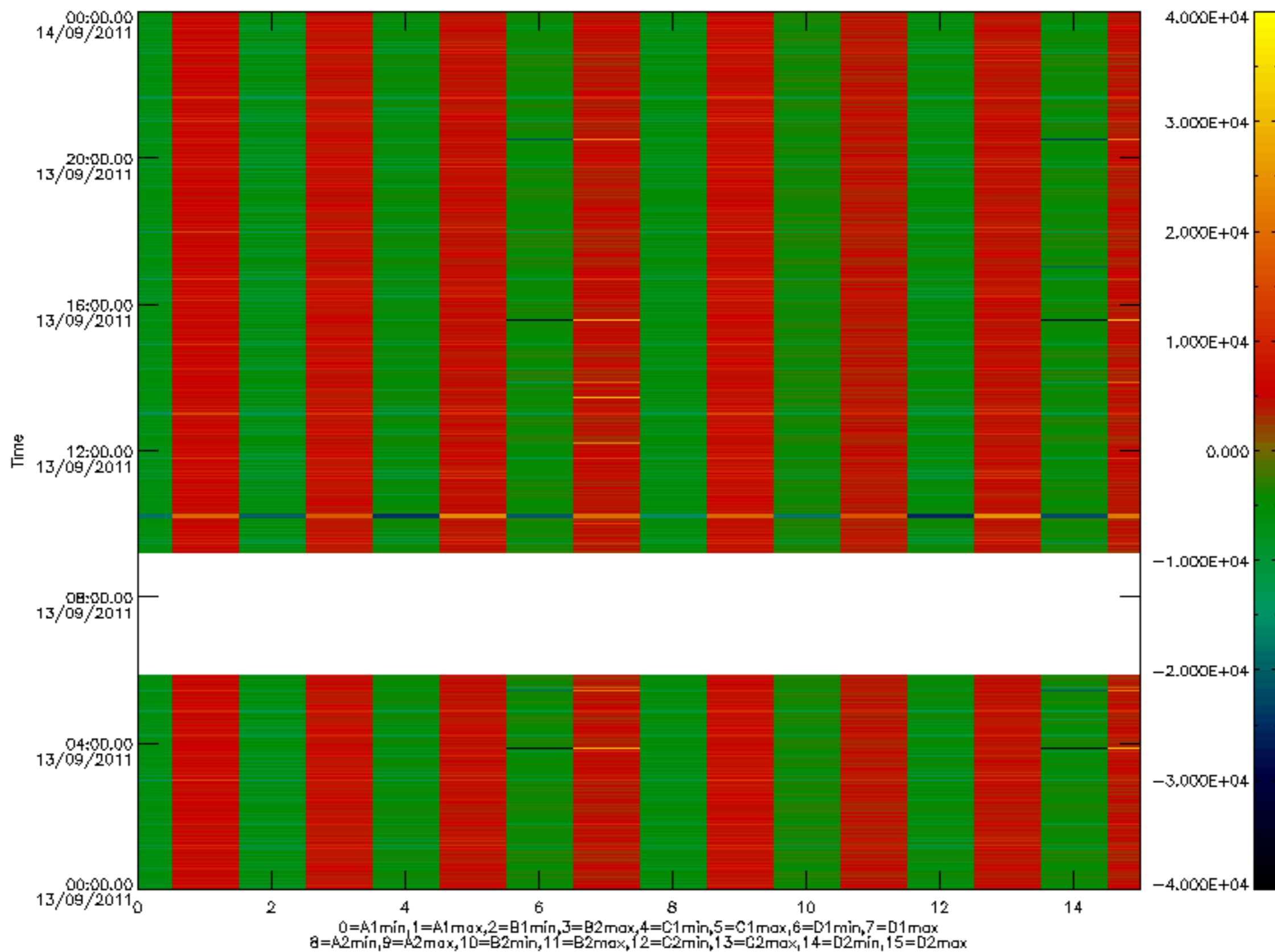




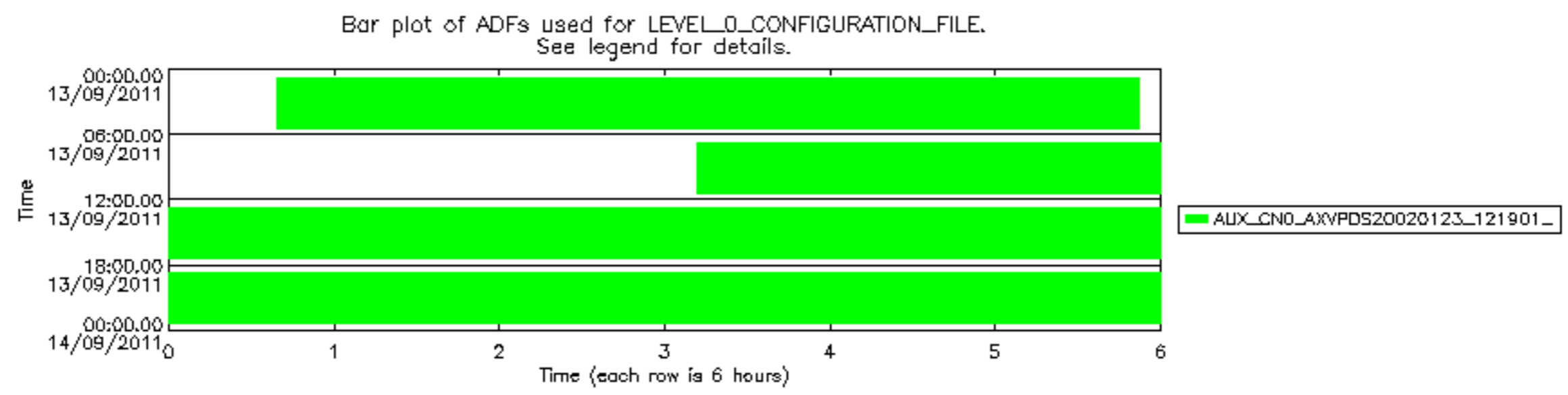




MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.







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

