

## 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	22APR2011 05:24:01
Data source version	KSPT_L0/4504-N
Processing scope for products	17APR2011 00:00:00 to 18APR2011 00:00:00
Start time of first product within scope	17APR2011 04:33:14
Stop time of last product within scope	18APR2011 01:04:34
Total number of level 0 products	13
Number of level 0 products with errors	1

### 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__0PNPDE20110417_043314_000060723101_00306_47734_3450.N1	17APR2011 04:33:14	17APR2011 06:14:26	0	0	0	0	0
1	MIP_NL__0PNPDK20110417_061353_000040953101_00307_47735_4872.N1	17APR2011 06:13:53	17APR2011 07:22:07	0	0	0	0	0
2	MIP_NL__0PNPDK20110417_072132_000060773101_00308_47736_4873.N1	17APR2011 07:21:32	17APR2011 09:02:49	0	0	0	0	0
3	MIP_NL__0PNPDK20110417_090205_000059753101_00309_47737_4875.N1	17APR2011 09:02:05	17APR2011 10:41:39	0	0	0	0	0
4	MIP_NL__0PNPDK20110417_104058_000060143101_00310_47738_4876.N1	17APR2011 10:40:58	17APR2011 12:21:12	0	0	0	0	0
5	MIP_NL__0PNPDK20110417_122028_000059603101_00311_47739_4877.N1	17APR2011 12:20:28	17APR2011 13:59:48	0	0	0	0	0
6	MIP_NL__0PNPDK20110417_135904_000058513101_00312_47740_4878.N1	17APR2011 13:59:04	17APR2011 15:36:36	0	0	0	0	0
7	MIP_NL__0PNPDK20110417_153502_000059733101_00313_47741_4879.N1	17APR2011 15:35:02	17APR2011 17:14:34	0	0	0	0	0
8	MIP_NL__0PNPDK20110417_171325_000058163101_00314_47742_4880.N1	17APR2011 17:13:25	17APR2011 18:50:21	1	1	0	0	0
9	MIP_NL__0PNPDK20110417_184853_000062323101_00315_47743_4881.N1	17APR2011 18:48:53	17APR2011 20:32:45	0	0	0	0	0
10	MIP_NL__0PNPDE20110417_203149_000042513101_00316_47744_3451.N1	17APR2011 20:31:49	17APR2011 21:42:40	0	0	0	0	0
11	MIP_NL__0PNPDE20110417_214143_000061253101_00316_47744_3452.N1	17APR2011 21:41:43	17APR2011 23:23:48	0	0	0	0	0
12	MIP_NL__0PNPDE20110417_232244_000061103101_00317_47745_3453.N1	17APR2011 23:22:44	18APR2011 01:04:34	0	0	0	0	0

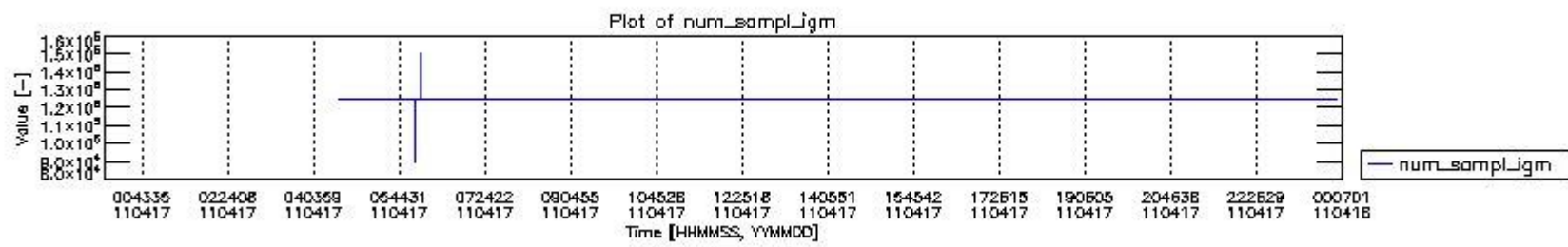
## 0.2 Instrument Operational Performance Parameters

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.

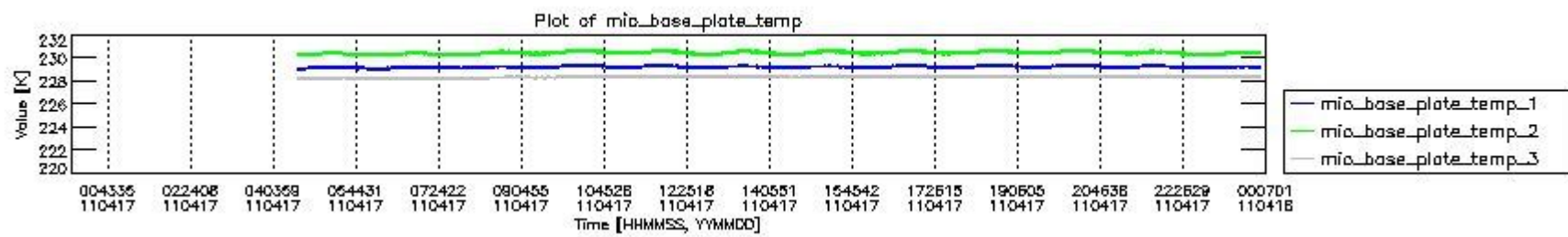
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
89136	1	0.0029634898
96902	1	0.0029634898
117034	1	0.0029634898
124800	31347	92.896515
124803	2391	7.0857041

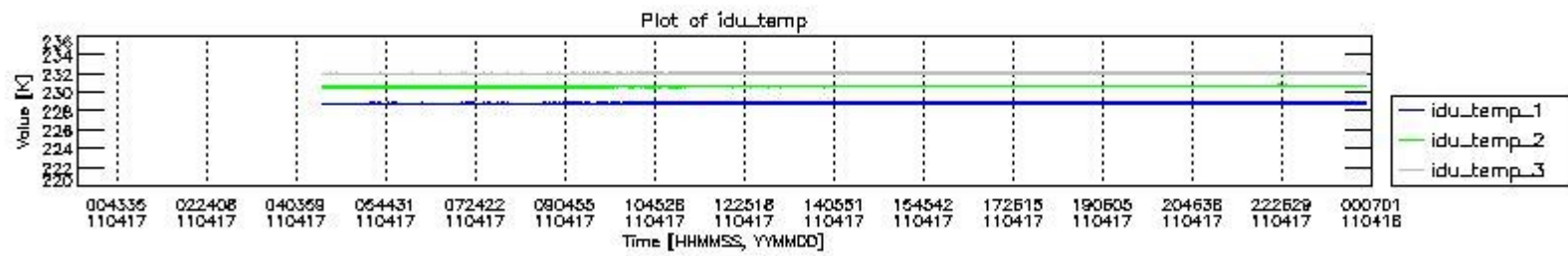
127605	1	0.0029634898
147737	1	0.0029634898
150542	1	0.0029634898



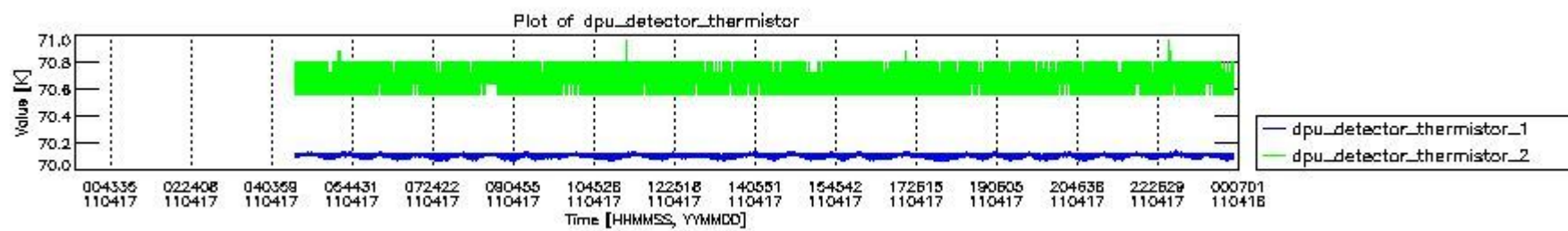
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110417\_0.PNG



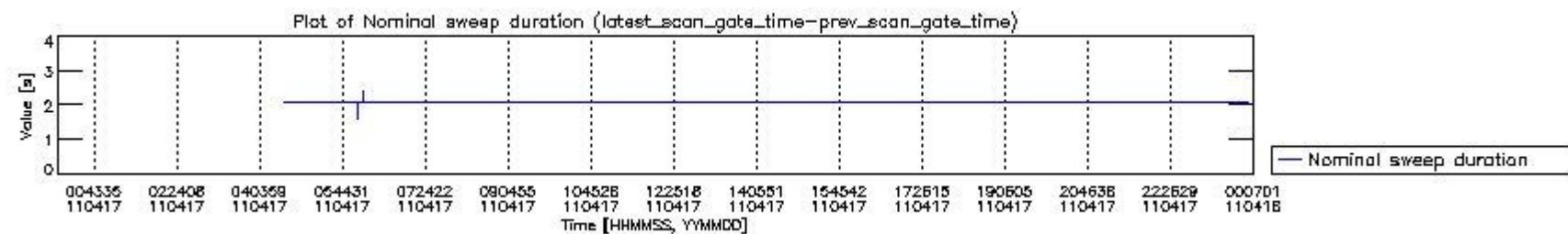
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110417\_1.PNG



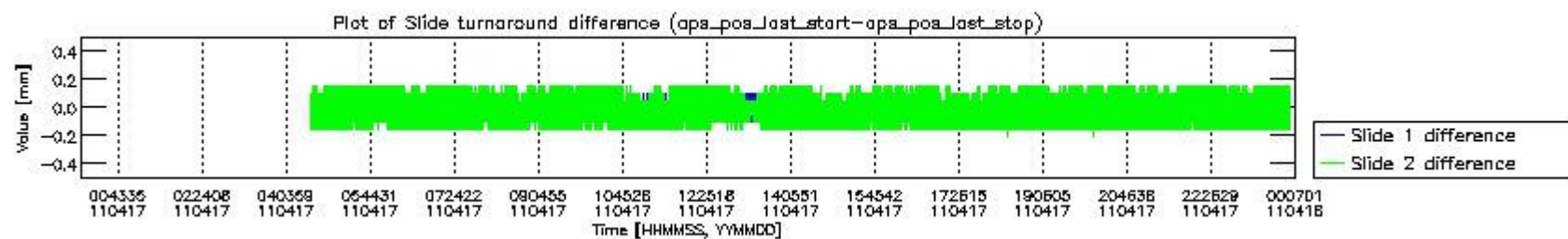
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110417\_2.PNG



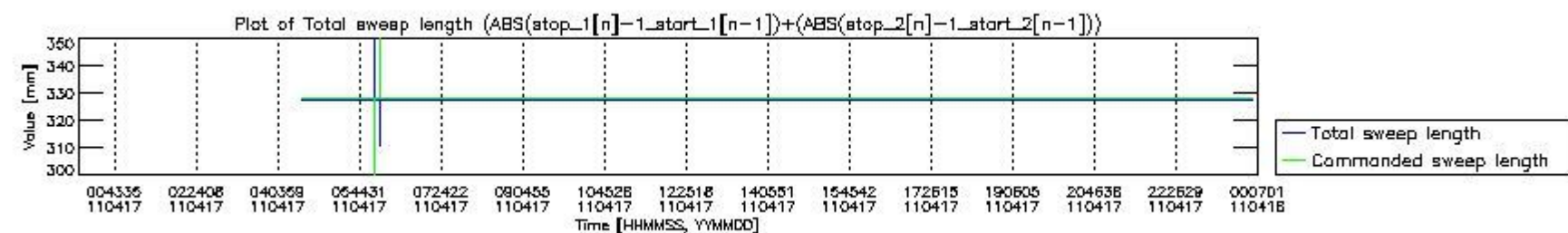
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110417\_3.PNG



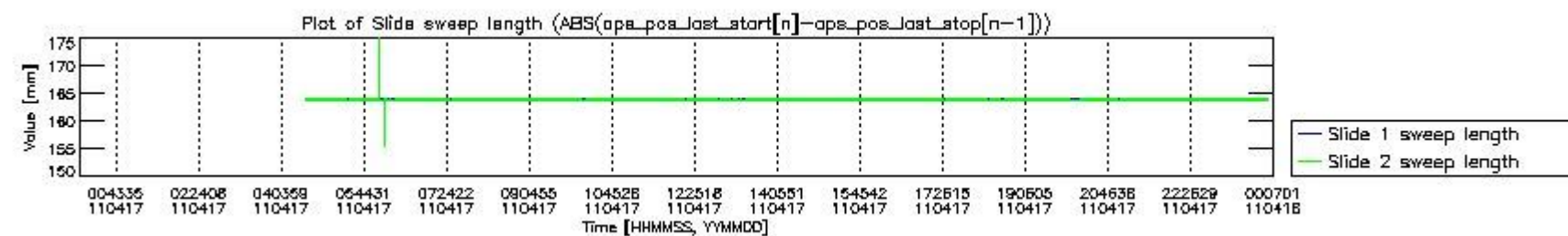
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110417\_4.PNG



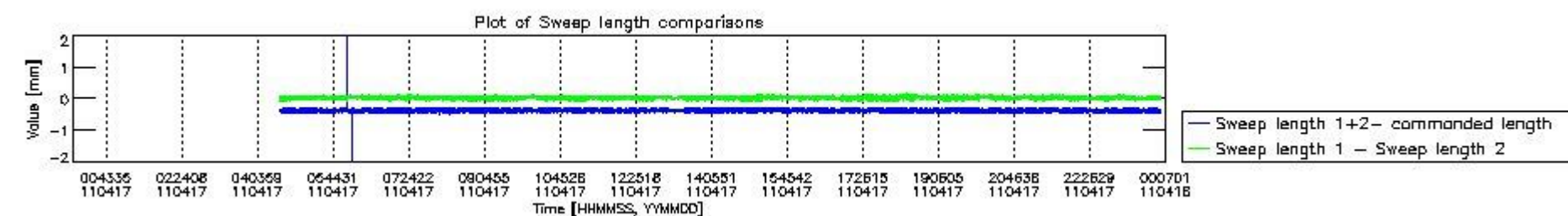
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110417\_5.PNG



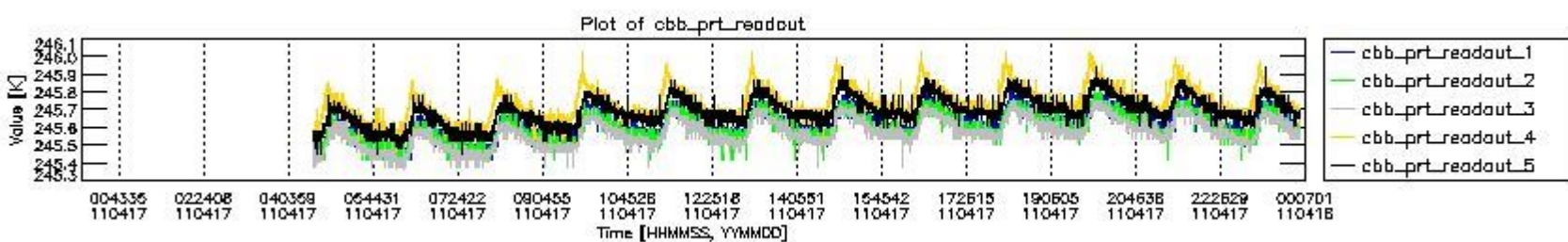
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110417\_6.PNG



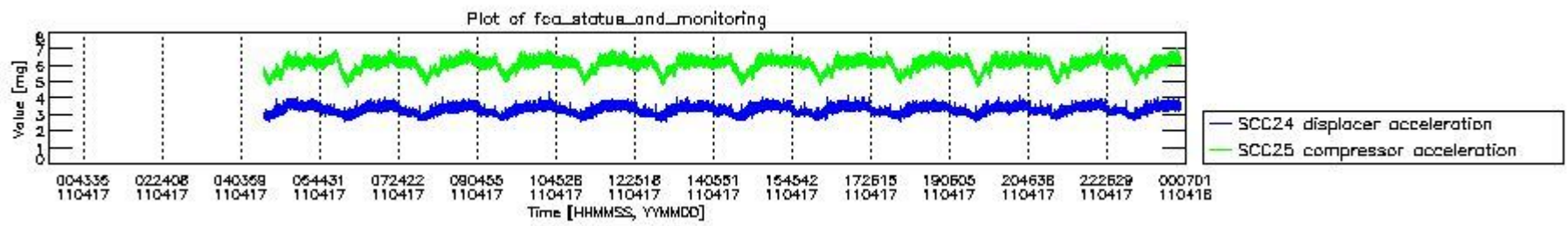
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110417\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110417\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110417\_9.PNG



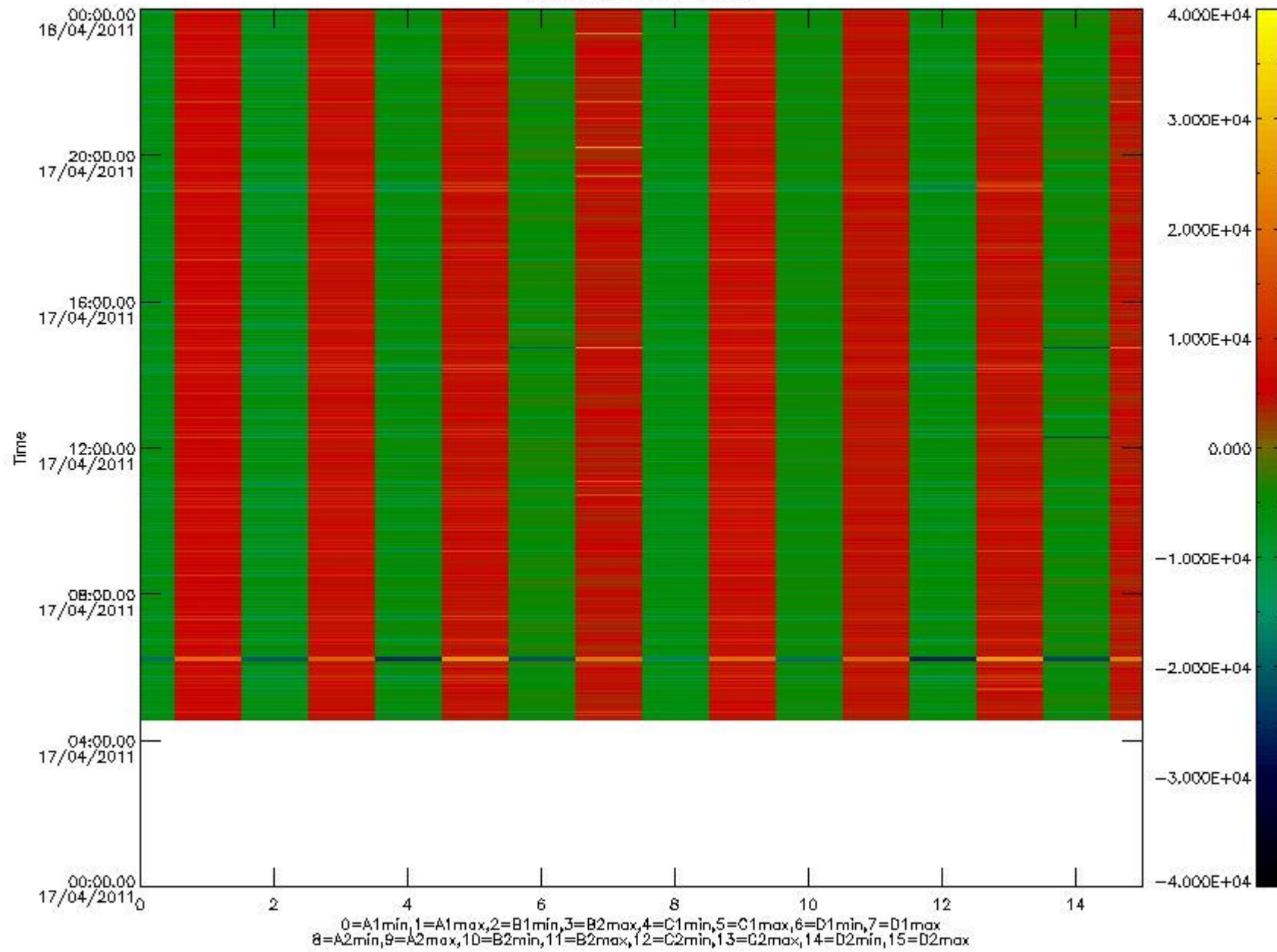
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110417\_10.PNG

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

Channel	Min	Max	ADC
A1	-19698	22366	16bit
B1	-26476	21298	16bit
C1	-32768	32767	16bit
D1	-32768	32767	16bit
A2	-16533	20904	16bit
B2	-29732	26746	16bit
C2	-32768	32767	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\_20110417\_11.PNG

### 0.3 ADF monitoring

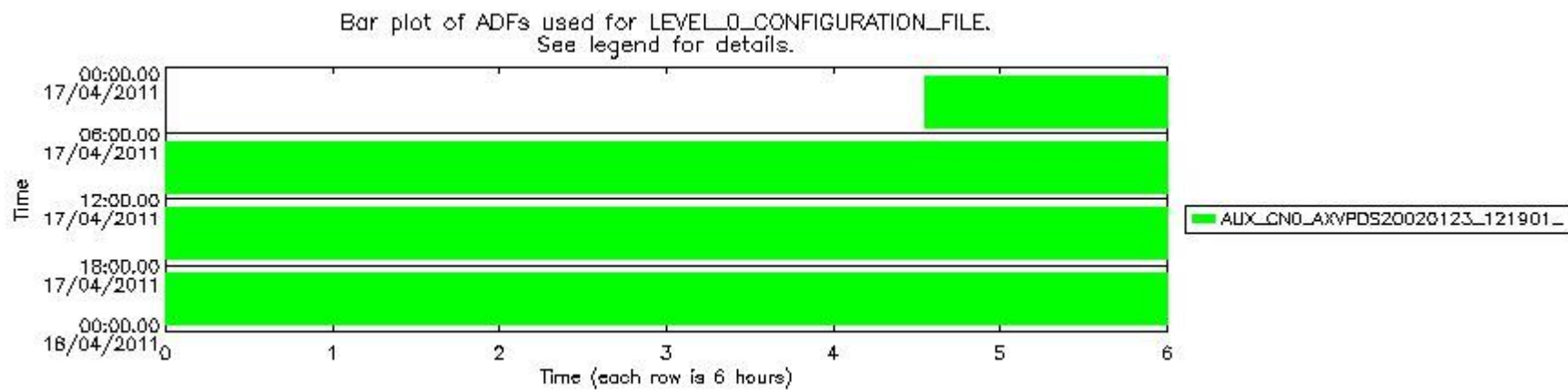
The use of ADFs is shown in two ways:

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.

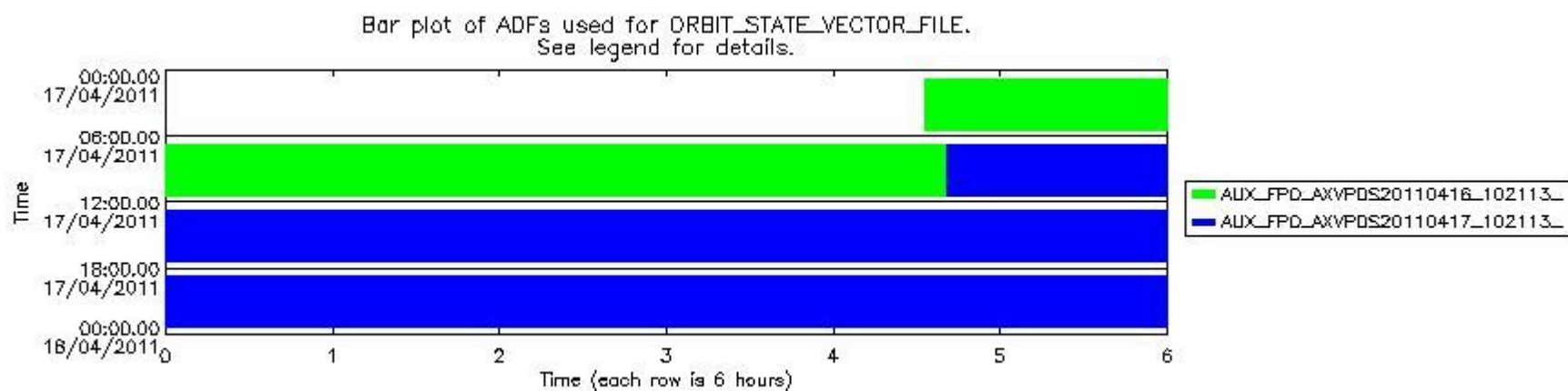
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110416_102113_20110415_194749_20110425_202123
2	AUX_FPO_AXVPDS20110417_102113_20110416_191105_20110426_212454

Number	Product name	#CN0	#FPO
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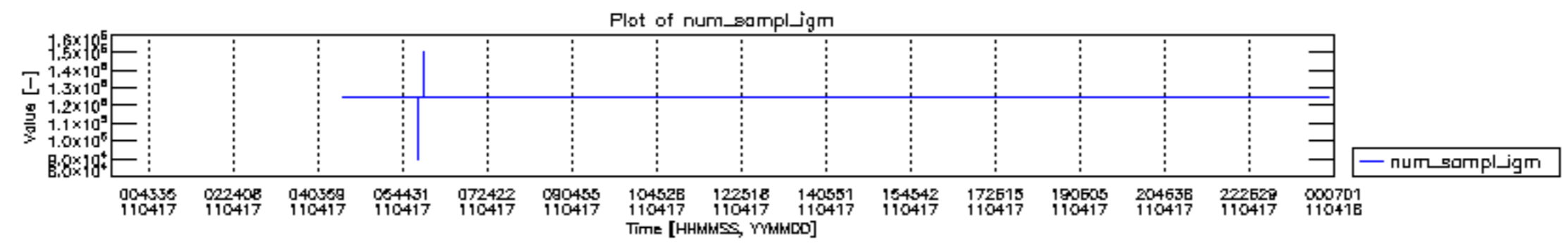
0	MIP_NL__0PNPDE20110417_043314_000060723101_00306_47734_3450.N1	0	1
1	MIP_NL__0PNPDK20110417_061353_000040953101_00307_47735_4872.N1	0	1
2	MIP_NL__0PNPDK20110417_072132_000060773101_00308_47736_4873.N1	0	1
3	MIP_NL__0PNPDK20110417_090205_000059753101_00309_47737_4875.N1	0	1
4	MIP_NL__0PNPDK20110417_104058_000060143101_00310_47738_4876.N1	0	2
5	MIP_NL__0PNPDK20110417_122028_000059603101_00311_47739_4877.N1	0	2
6	MIP_NL__0PNPDK20110417_135904_000058513101_00312_47740_4878.N1	0	2
7	MIP_NL__0PNPDK20110417_153502_000059733101_00313_47741_4879.N1	0	2
8	MIP_NL__0PNPDK20110417_171325_000058163101_00314_47742_4880.N1	0	2
9	MIP_NL__0PNPDK20110417_184853_000062323101_00315_47743_4881.N1	0	2
10	MIP_NL__0PNPDE20110417_203149_000042513101_00316_47744_3451.N1	0	2
11	MIP_NL__0PNPDE20110417_214143_000061253101_00316_47744_3452.N1	0	2
12	MIP_NL__0PNPDE20110417_232244_000061103101_00317_47745_3453.N1	0	2

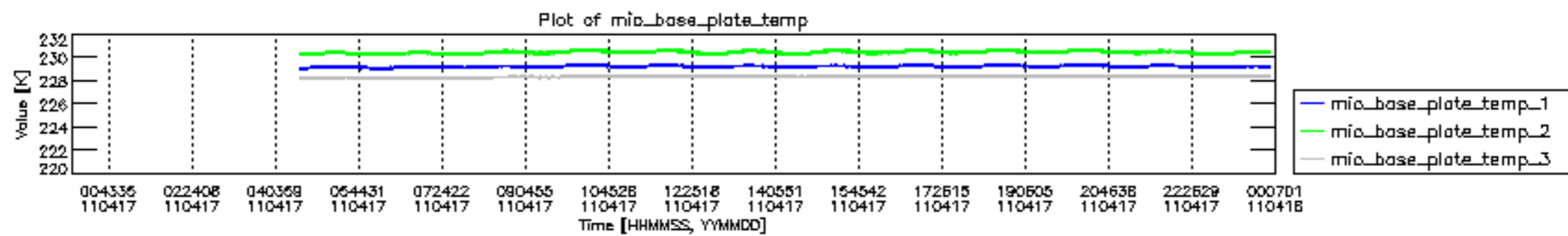


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110417\_12.PNG

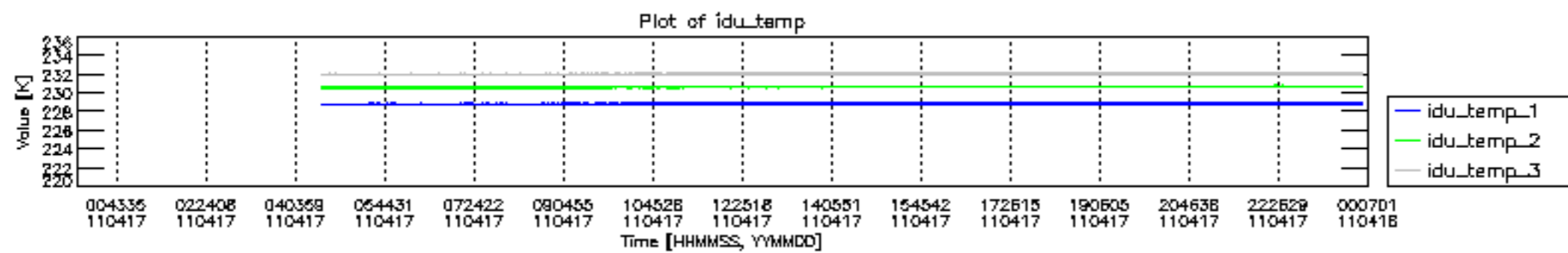


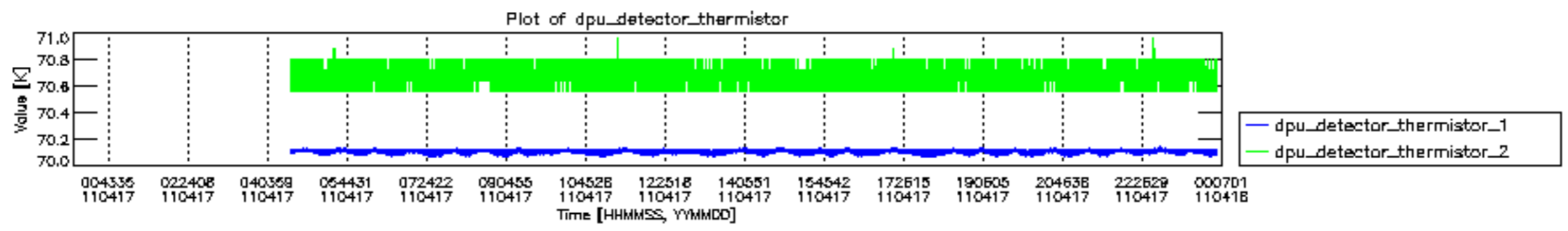
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110417\_13.PNG

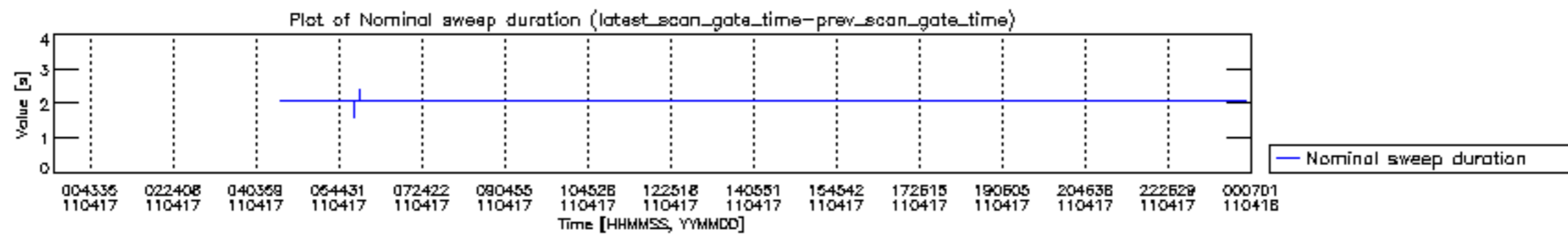


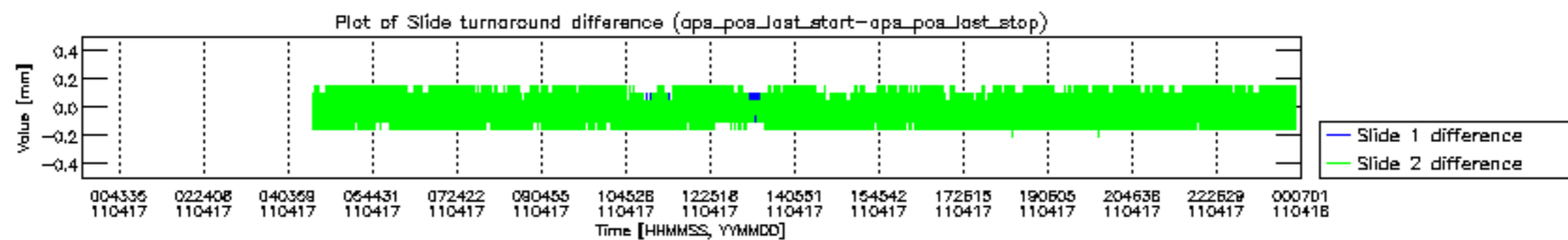


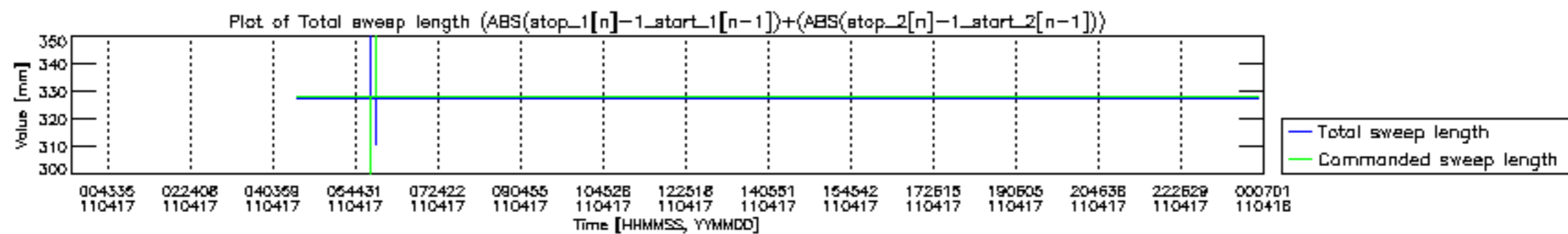




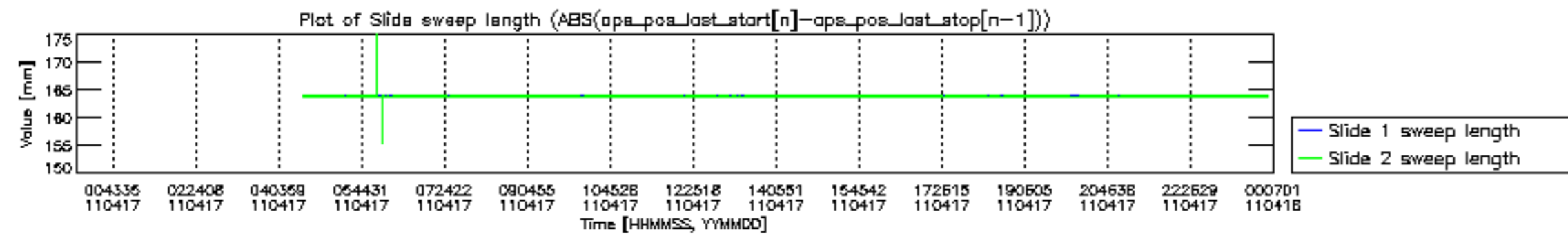


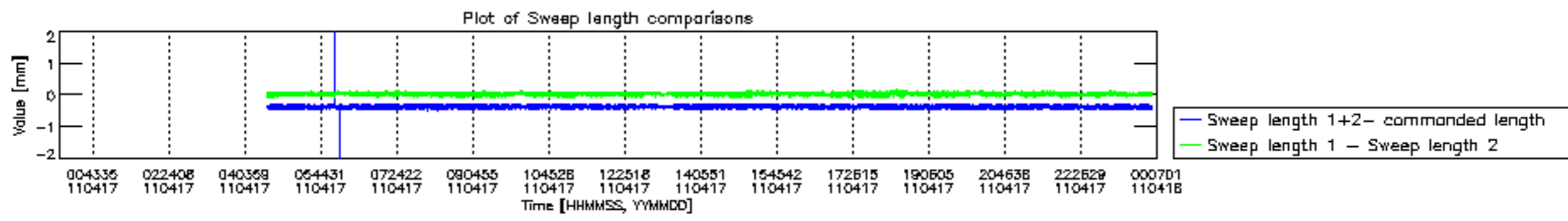


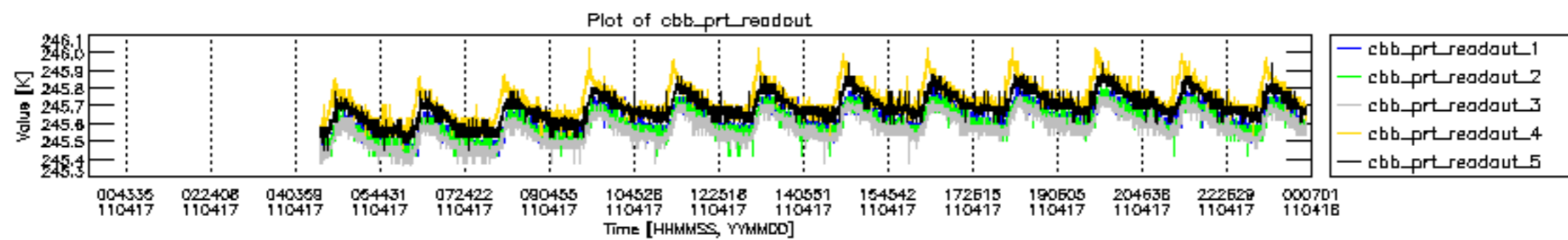


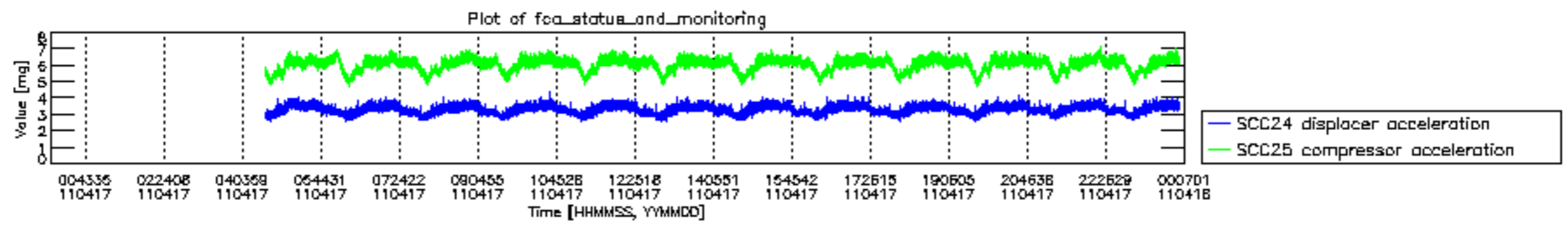












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

