

## 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	01MAR2011 05:23:34
Data source version	KSPT_L0/4504-N
Processing scope for products	24FEB2011 00:00:00 to 25FEB2011 00:00:00
Start time of first product within scope	24FEB2011 00:06:57
Stop time of last product within scope	25FEB2011 01:11:22
Total number of level 0 products	16
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__OPNPDE20110224_000657_000058413099_00418_46984_2975.N1	24FEB2011 00:06:57	24FEB2011 01:44:17	0	0	0	0	0
1	MIP_NL__OPNPDE20110224_014310_000044623099_00419_46985_2976.N1	24FEB2011 01:43:10	24FEB2011 02:57:33	0	0	0	0	0
2	MIP_NL__OPNPDE20110224_025659_000061483099_00420_46986_2977.N1	24FEB2011 02:56:59	24FEB2011 04:39:27	0	0	0	0	0
3	MIP_NL__OPNPDE20110224_043854_000060773099_00421_46987_2978.N1	24FEB2011 04:38:54	24FEB2011 06:20:11	0	0	0	0	0
4	MIP_NL__OPNPDK20110224_061938_000040583099_00422_46988_4392.N1	24FEB2011 06:19:38	24FEB2011 07:27:15	0	0	0	0	0
5	MIP_NL__OPNPDK20110224_072617_000062003099_00423_46989_4393.N1	24FEB2011 07:26:17	24FEB2011 09:09:37	0	0	0	0	0
6	MIP_NL__OPNPDK20110224_090855_000058643099_00424_46990_4394.N1	24FEB2011 09:08:55	24FEB2011 10:46:39	0	0	0	0	0
7	MIP_NL__OPNPDK20110224_104505_000060103099_00425_46991_4395.N1	24FEB2011 10:45:05	24FEB2011 12:25:15	0	0	0	0	0
8	MIP_NL__OPNPDK20110224_122337_000059893099_00426_46992_4396.N1	24FEB2011 12:23:37	24FEB2011 14:03:26	0	0	0	0	0
9	MIP_NL__OPNPDK20110224_140148_000059333099_00427_46993_4397.N1	24FEB2011 14:01:48	24FEB2011 15:40:41	0	0	0	0	0
10	MIP_NL__OPNPDK20110224_153917_000060833099_00428_46994_4398.N1	24FEB2011 15:39:17	24FEB2011 17:20:41	0	0	0	0	0
11	MIP_NL__OPNPDK20110224_171917_000058833099_00429_46995_4399.N1	24FEB2011 17:19:17	24FEB2011 18:57:20	0	0	0	0	0
12	MIP_NL__OPNPDK20110224_185623_000061173099_00430_46996_4400.N1	24FEB2011 18:56:23	24FEB2011 20:38:20	0	0	0	0	0
13	MIP_NL__OPNPDE20110224_203736_000042343099_00431_46997_2979.N1	24FEB2011 20:37:36	24FEB2011 21:48:11	0	0	0	0	0
14	MIP_NL__OPNPDE20110224_214704_000062153099_00431_46997_2980.N1	24FEB2011 21:47:04	24FEB2011 23:30:39	0	0	0	0	0
15	MIP_NL__OPNPDE20110224_232938_000061043100_00001_46998_2981.N1	24FEB2011 23:29:38	25FEB2011 01:11:22	0	0	0	0	0

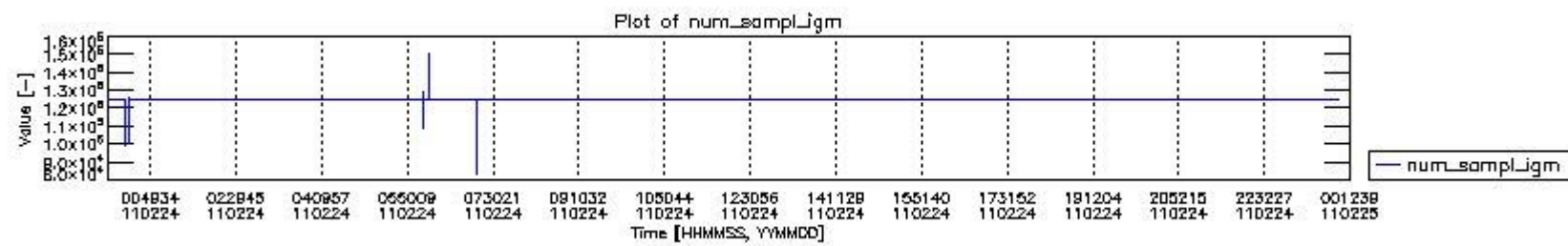
## 0.2 Instrument Operational Performance Parameters

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.

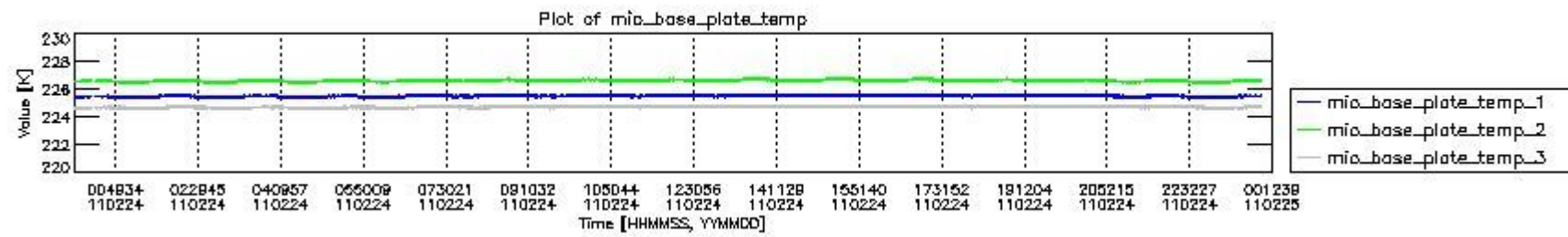
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
83190	1	0.0024048289
93929	1	0.0024048289

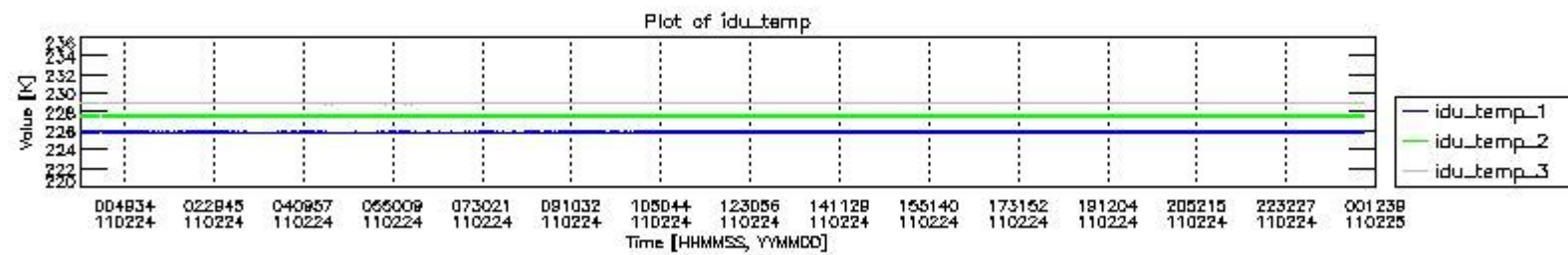
99544	1	0.0024048289
99888	1	0.0024048289
102106	1	0.0024048289
108425	1	0.0024048289
112182	1	0.0024048289
114061	1	0.0024048289
122238	1	0.0024048289
124800	38626	92.888921
124803	2942	7.0750066
125140	1	0.0024048289
125480	1	0.0024048289
127382	1	0.0024048289
128557	1	0.0024048289
147514	1	0.0024048289
150096	1	0.0024048289



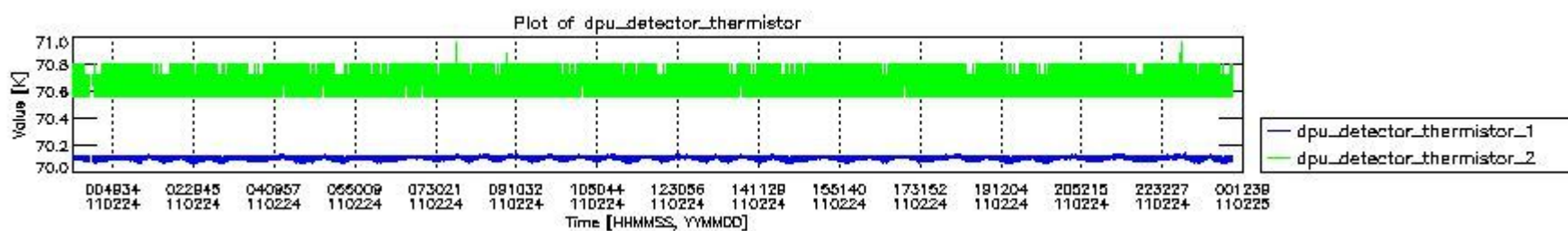
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110224\_0.PNG



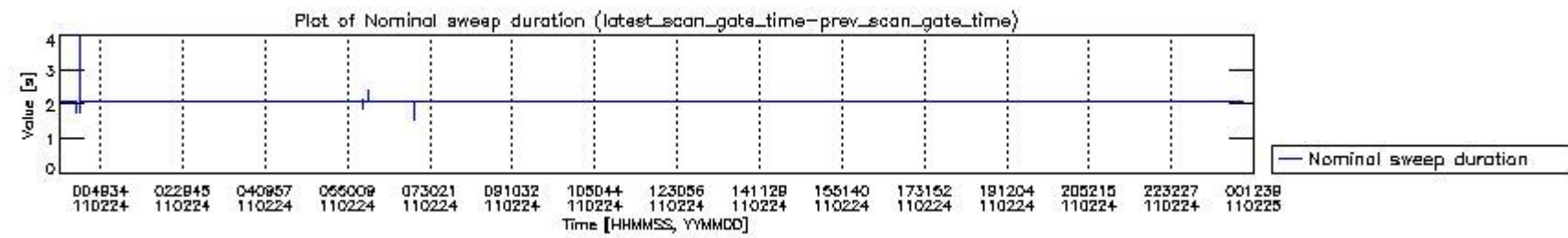
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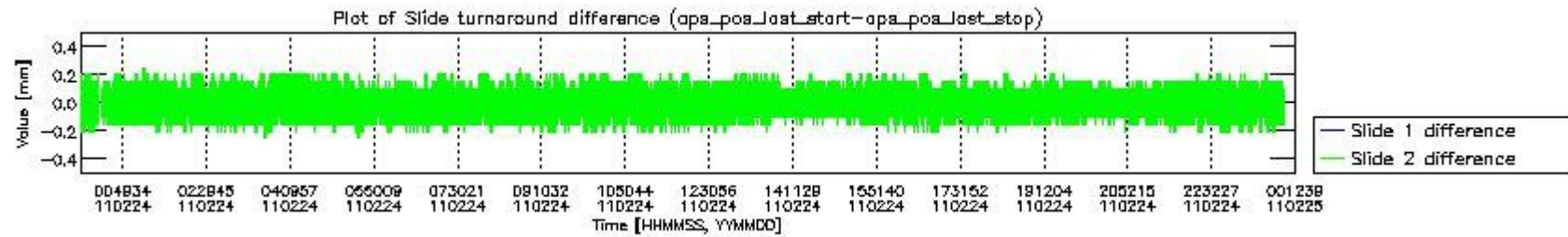
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110224\_2.PNG



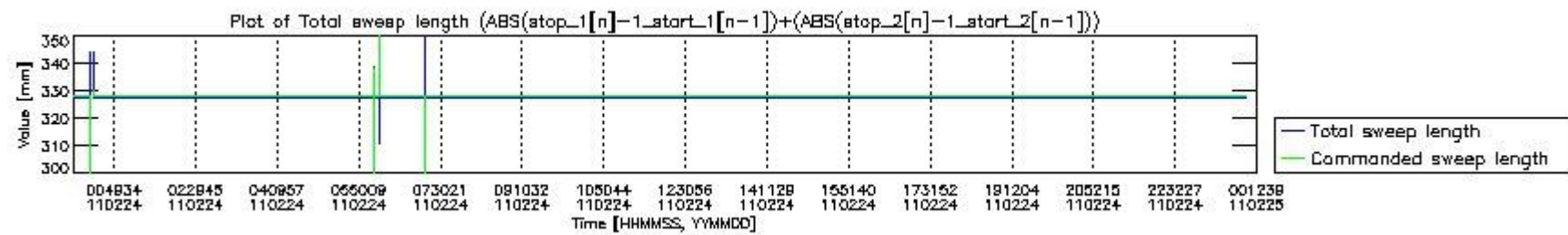
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110224\_3.PNG



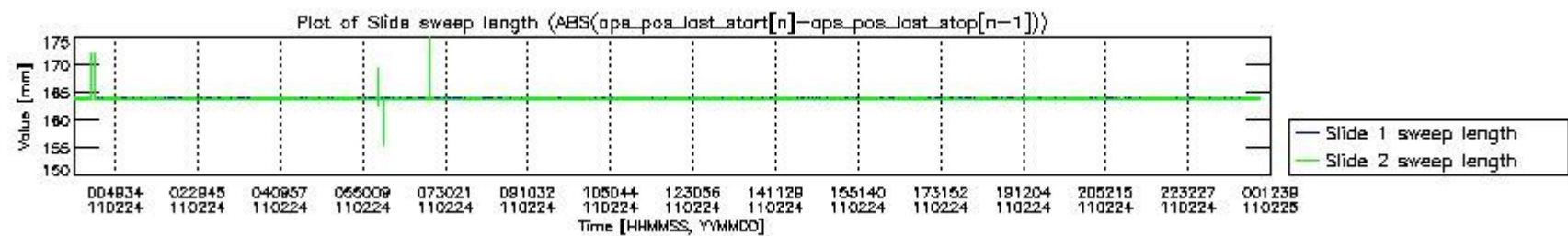
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110224\_4.PNG



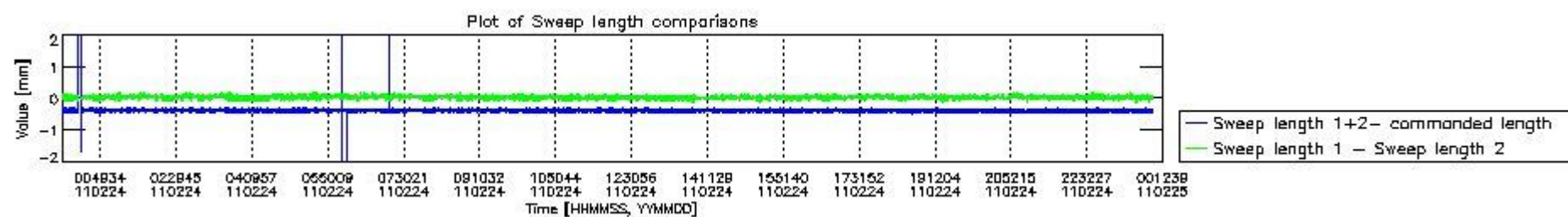
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110224\_5.PNG



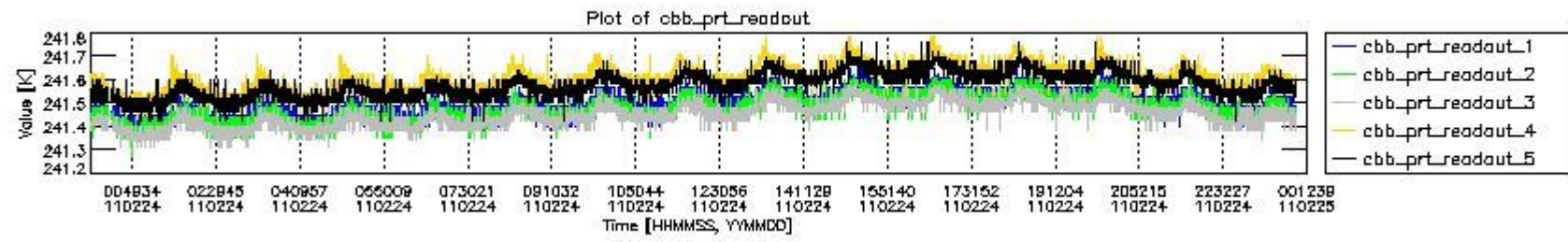
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110224\_6.PNG



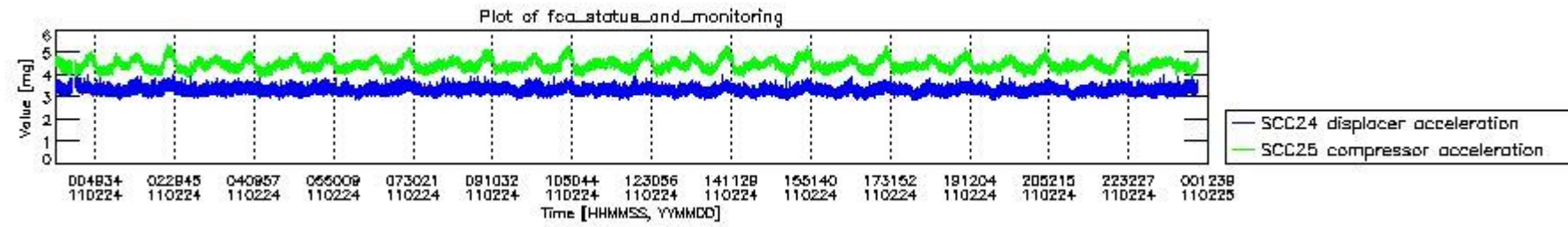
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110224\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110224\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110224\_9.PNG



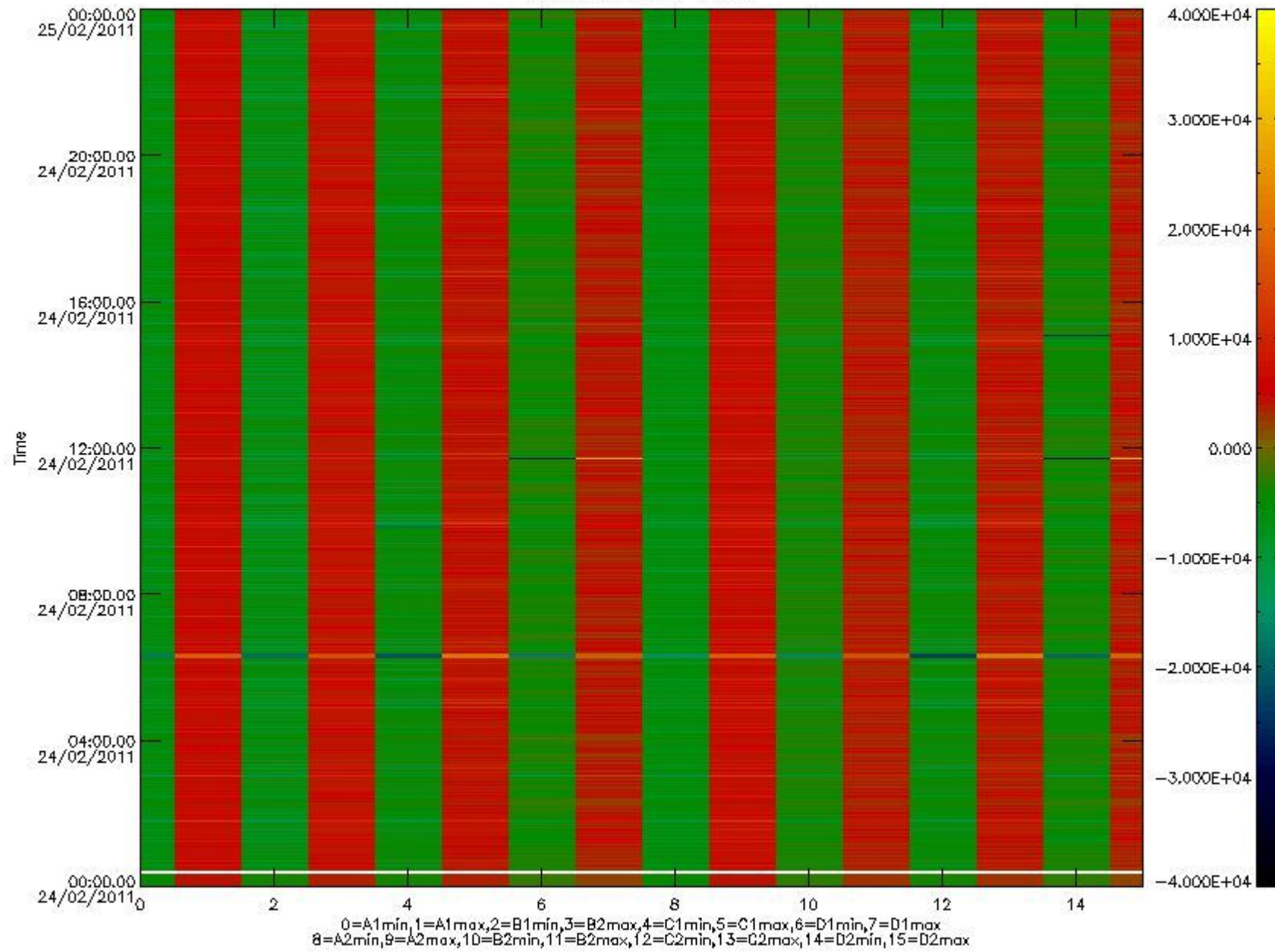
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110224\_10.PNG

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

Channel	Min	Max	ADC
A1	-17410	18407	16bit
B1	-18796	16355	16bit
C1	-25095	21804	16bit
D1	-30547	32767	16bit
A2	-15115	18528	16bit
B2	-16894	16634	16bit
C2	-22817	24364	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\_20110224\_11.PNG

### 0.3 ADF monitoring

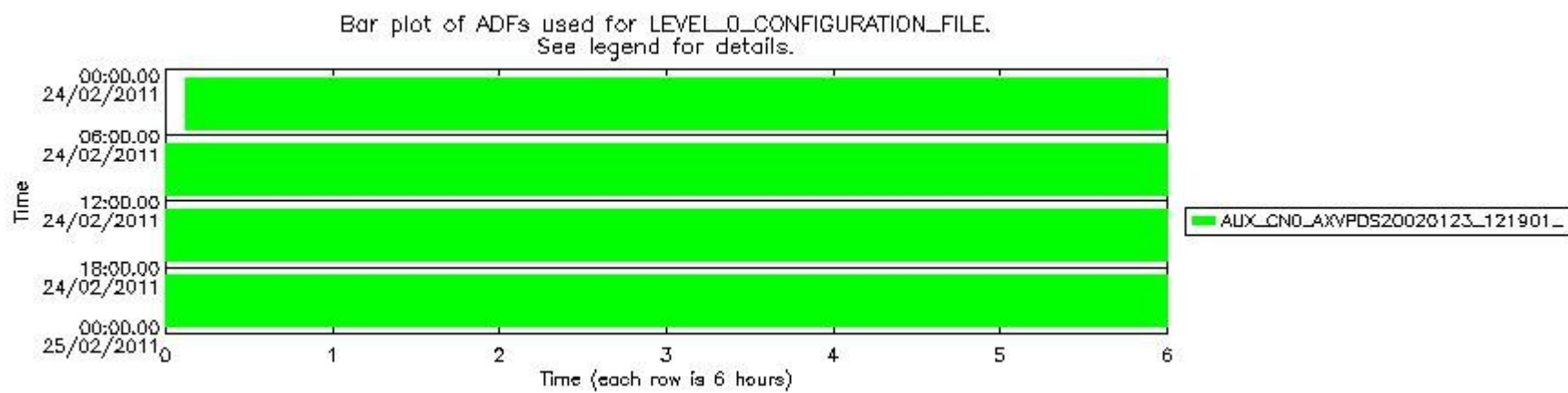
The use of ADFs is shown in two ways:

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.

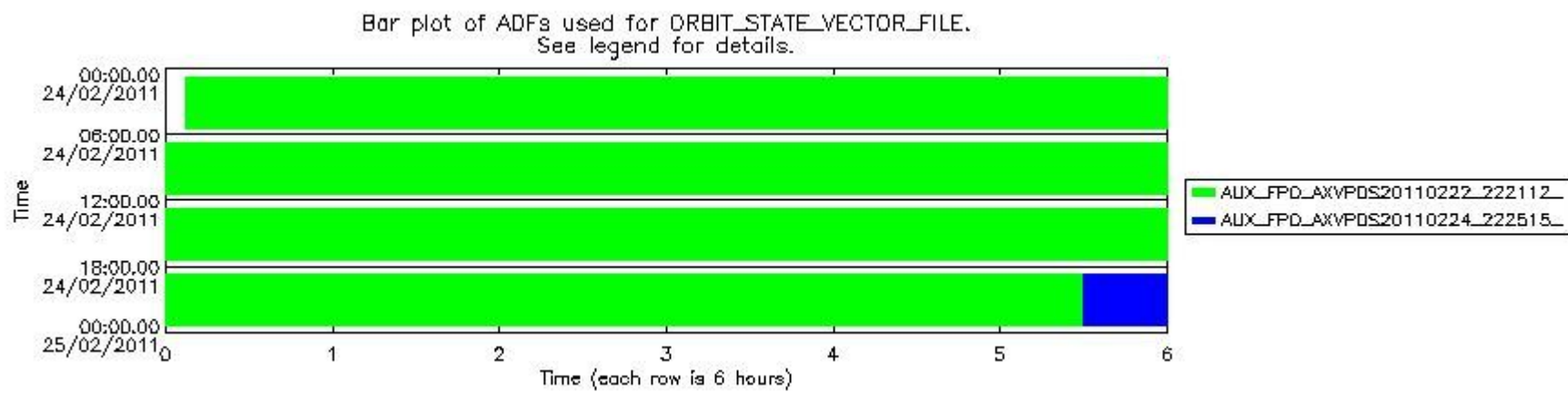
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110222_222112_20110222_195334_20110304_202710
2	AUX_FPO_AXVPDS20110224_222515_20110223_191650_20110305_213040

Number	Product name	#CN0	#FPO
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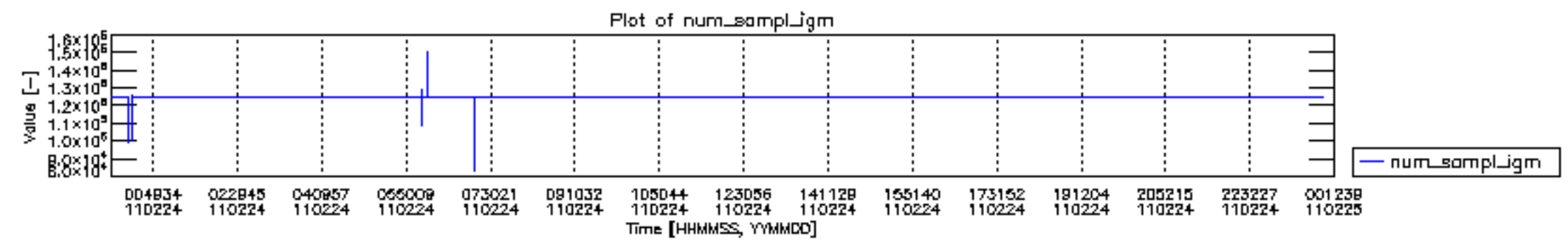
0	MIP_NL__0PNPDE20110224_000657_000058413099_00418_46984_2975.N1	0	1
1	MIP_NL__0PNPDE20110224_014310_000044623099_00419_46985_2976.N1	0	1
2	MIP_NL__0PNPDE20110224_025659_000061483099_00420_46986_2977.N1	0	1
3	MIP_NL__0PNPDE20110224_043854_000060773099_00421_46987_2978.N1	0	1
4	MIP_NL__0PNPDK20110224_061938_000040583099_00422_46988_4392.N1	0	1
5	MIP_NL__0PNPDK20110224_072617_000062003099_00423_46989_4393.N1	0	1
6	MIP_NL__0PNPDK20110224_090855_000058643099_00424_46990_4394.N1	0	1
7	MIP_NL__0PNPDK20110224_104505_000060103099_00425_46991_4395.N1	0	1
8	MIP_NL__0PNPDK20110224_122337_000059893099_00426_46992_4396.N1	0	1
9	MIP_NL__0PNPDK20110224_140148_000059333099_00427_46993_4397.N1	0	1
10	MIP_NL__0PNPDK20110224_153917_000060833099_00428_46994_4398.N1	0	1
11	MIP_NL__0PNPDK20110224_171917_000058833099_00429_46995_4399.N1	0	1
12	MIP_NL__0PNPDK20110224_185623_000061173099_00430_46996_4400.N1	0	1
13	MIP_NL__0PNPDE20110224_203736_000042343099_00431_46997_2979.N1	0	1
14	MIP_NL__0PNPDE20110224_214704_000062153099_00431_46997_2980.N1	0	1
15	MIP_NL__0PNPDE20110224_232938_000061043100_00001_46998_2981.N1	0	2

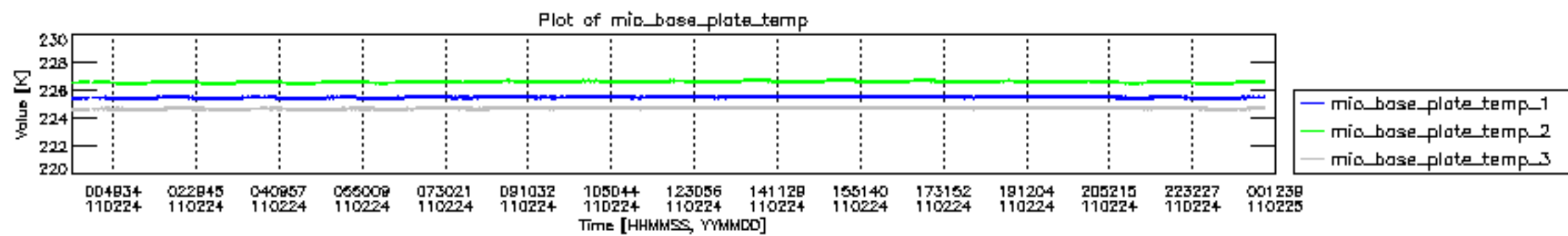


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110224\_12.PNG

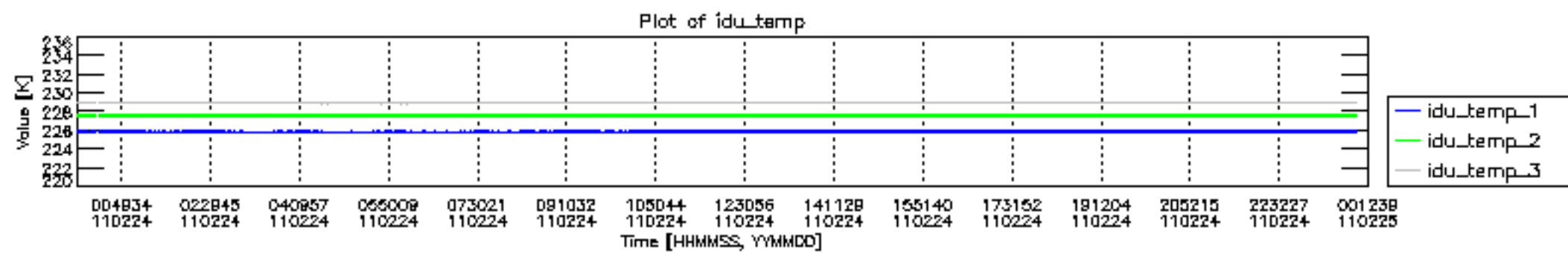


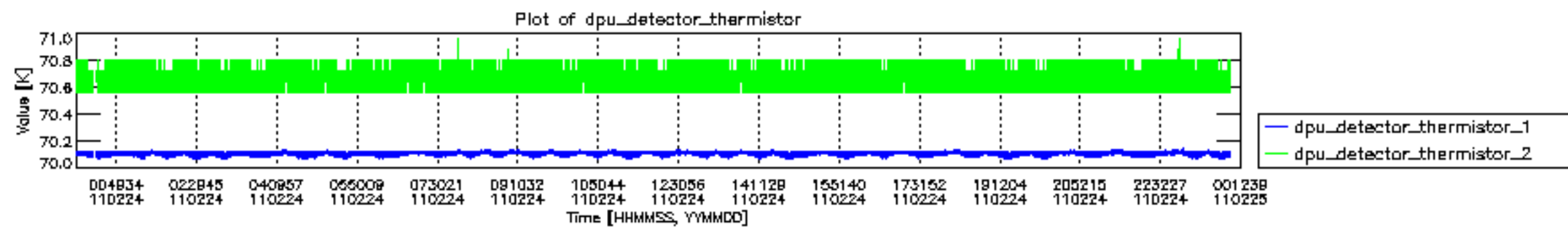
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110224\_13.PNG

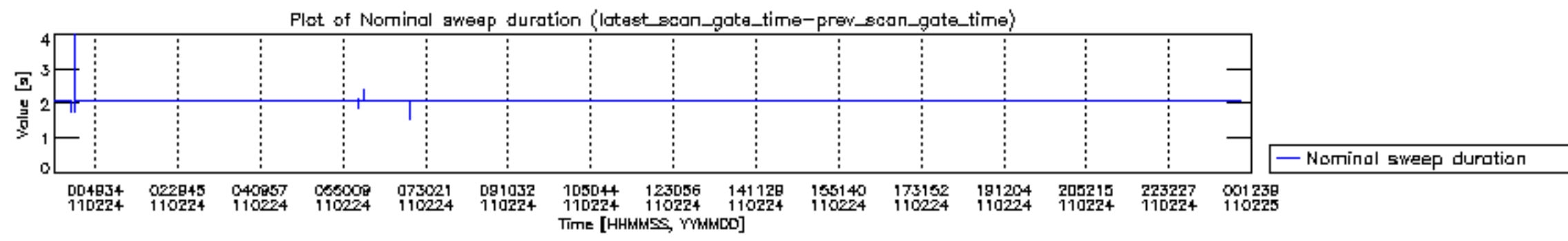


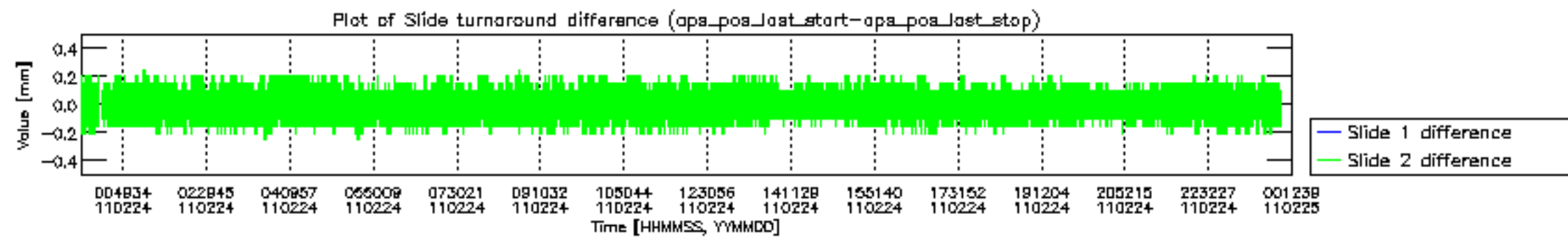


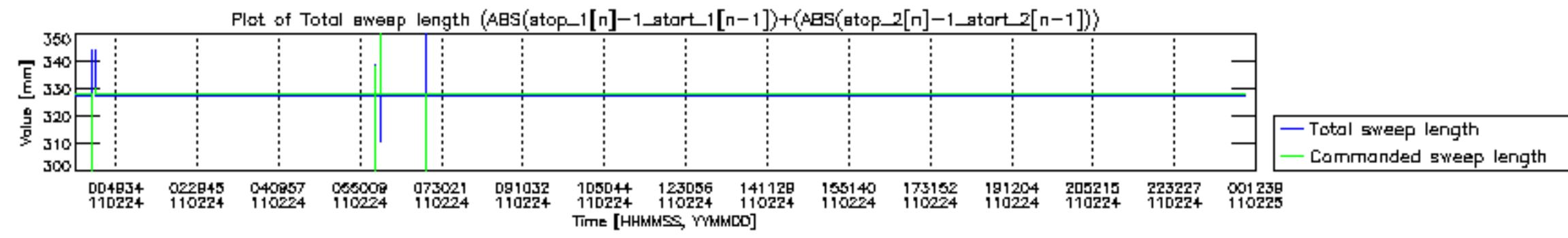




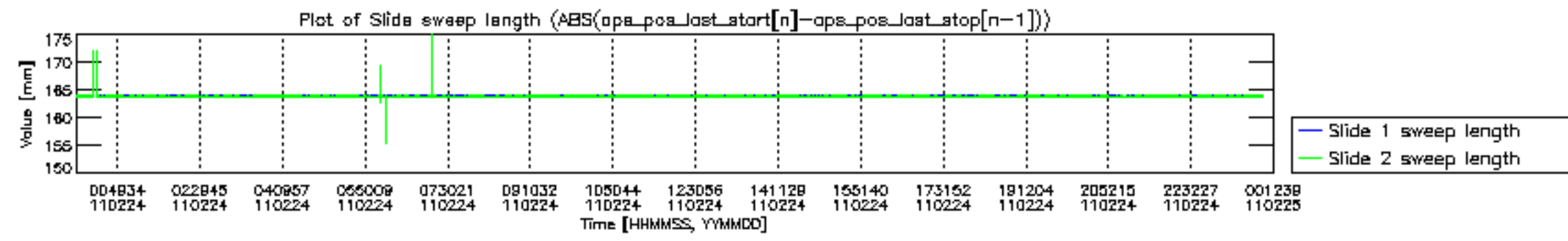


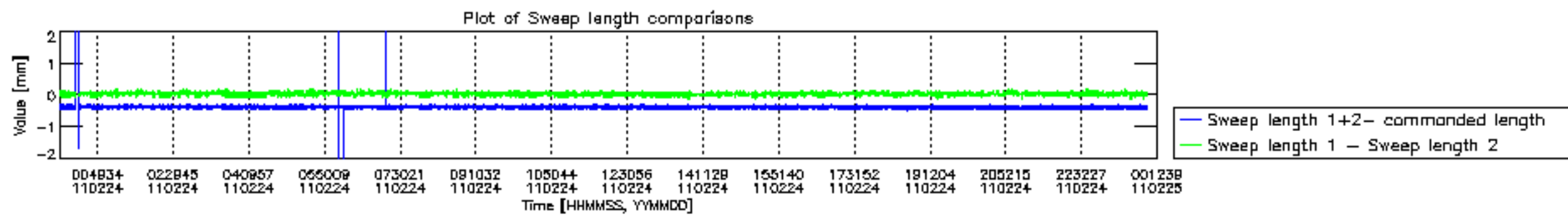


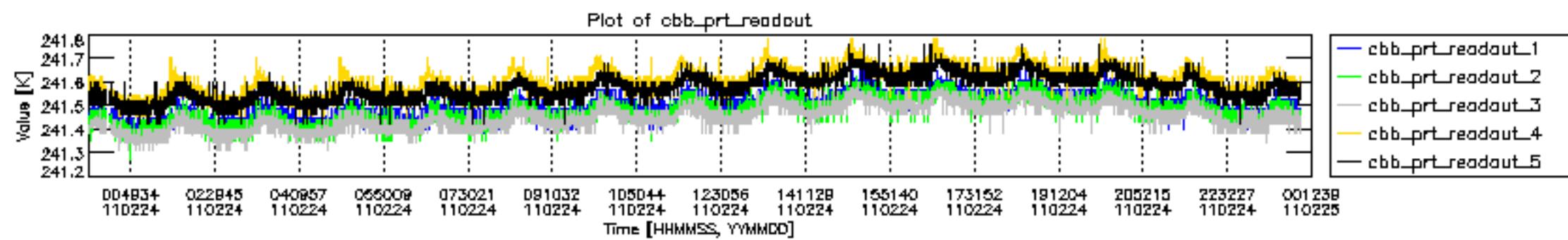


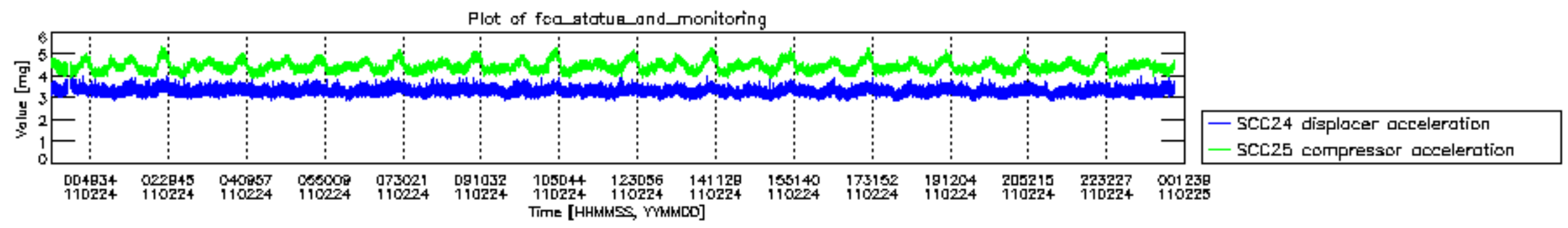












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

