

## 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	22MAY2011 05:20:10
Data source version	KSPT_L0/4504-N
Processing scope for products	17MAY2011 00:00:00 to 18MAY2011 00:00:00
Start time of first product within scope	17MAY2011 00:00:46
Stop time of last product within scope	18MAY2011 01:05:42
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__0PNPDE20110517_000046_000059503102_00303_48162_8777.N1	17MAY2011 00:00:46	17MAY2011 01:39:55	0	0	0	0	0
1	MIP_NL__0PNPDE20110517_013853_000044413102_00304_48163_8778.N1	17MAY2011 01:38:53	17MAY2011 02:52:54	0	0	0	0	0
2	MIP_NL__0PNPDE20110517_025221_000061383102_00305_48164_8779.N1	17MAY2011 02:52:21	17MAY2011 04:34:38	0	0	0	0	0
3	MIP_NL__0PNPDE20110517_043403_000060123102_00306_48165_8780.N1	17MAY2011 04:34:03	17MAY2011 06:14:15	0	0	0	0	0
4	MIP_NL__0PNPDK20110517_061342_000040973102_00307_48166_5228.N1	17MAY2011 06:13:42	17MAY2011 07:21:58	0	0	0	0	0
5	MIP_NL__0PNPDK20110517_072127_000061583102_00308_48167_5229.N1	17MAY2011 07:21:27	17MAY2011 09:04:05	0	0	0	0	0
6	MIP_NL__0PNPDK20110517_090330_000056603102_00309_48168_5230.N1	17MAY2011 09:03:30	17MAY2011 10:37:50	0	0	0	0	0
7	MIP_NL__0PNPDK20110517_104911_000052893102_00310_48169_5231.N1	17MAY2011 10:49:11	17MAY2011 12:17:21	0	0	0	0	0
8	MIP_NL__0PNPDK20110517_122808_000055403102_00311_48170_5232.N1	17MAY2011 12:28:08	17MAY2011 14:00:28	0	0	0	0	0
9	MIP_NL__0PNPDK20110517_135951_000058993102_00312_48171_5233.N1	17MAY2011 13:59:51	17MAY2011 15:38:10	0	0	0	0	0
10	MIP_NL__0PNPDK20110517_153728_000058183102_00313_48172_5234.N1	17MAY2011 15:37:28	17MAY2011 17:14:26	0	0	0	0	0
11	MIP_NL__0PNPDK20110517_171330_000059643102_00314_48173_5235.N1	17MAY2011 17:13:30	17MAY2011 18:52:54	0	0	0	0	0
12	MIP_NL__0PNPDK20110517_185202_000059333102_00315_48174_5236.N1	17MAY2011 18:52:02	17MAY2011 20:30:55	0	0	0	0	0
13	MIP_NL__0PNPDE20110517_202919_000044733102_00316_48175_8781.N1	17MAY2011 20:29:19	17MAY2011 21:43:51	0	0	0	0	0
14	MIP_NL__0PNPDE20110517_214236_000060903102_00316_48175_8782.N1	17MAY2011 21:42:36	17MAY2011 23:24:06	0	0	0	0	0
15	MIP_NL__0PNPDE20110517_232307_000061543102_00317_48176_8783.N1	17MAY2011 23:23:07	18MAY2011 01:05:42	0	0	0	0	0

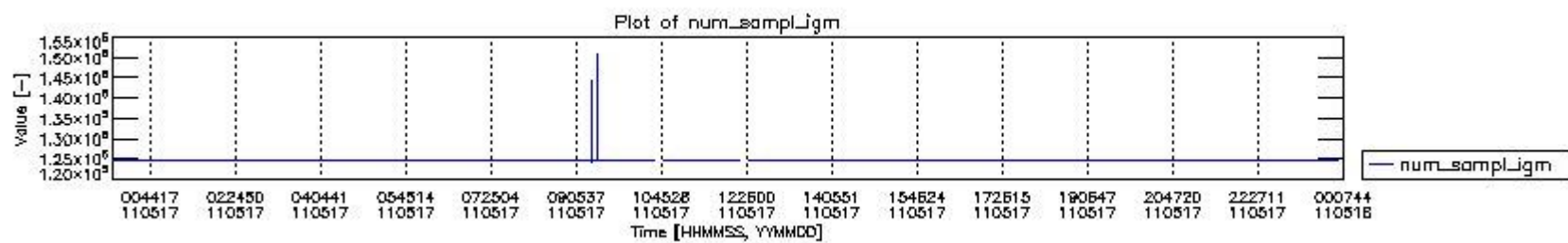
## 0.2 Instrument Operational Performance Parameters

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.

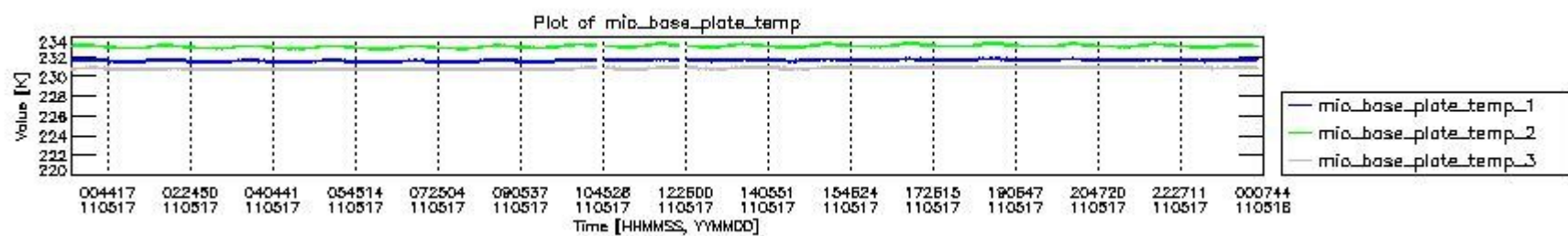
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124037	1	0.0024428973
124800	38024	92.888726

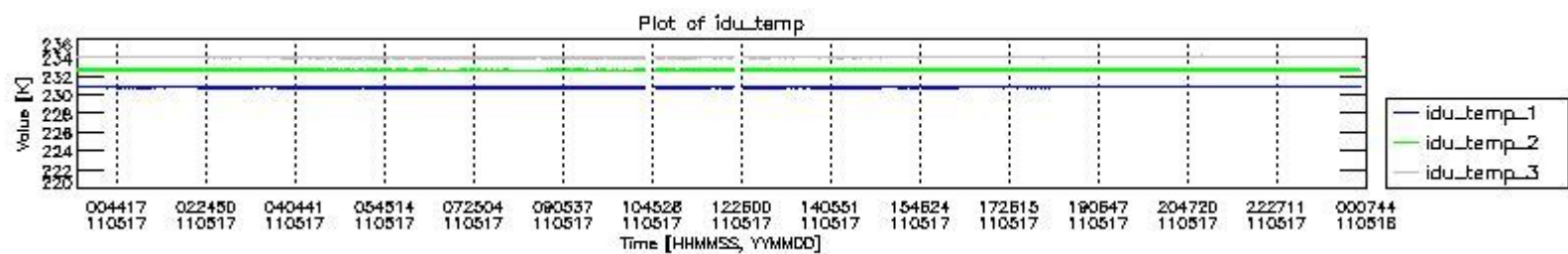
124803	2905	7.0966166
127679	1	0.0024428973
143406	1	0.0024428973
144169	1	0.0024428973
147811	1	0.0024428973
150690	1	0.0024428973



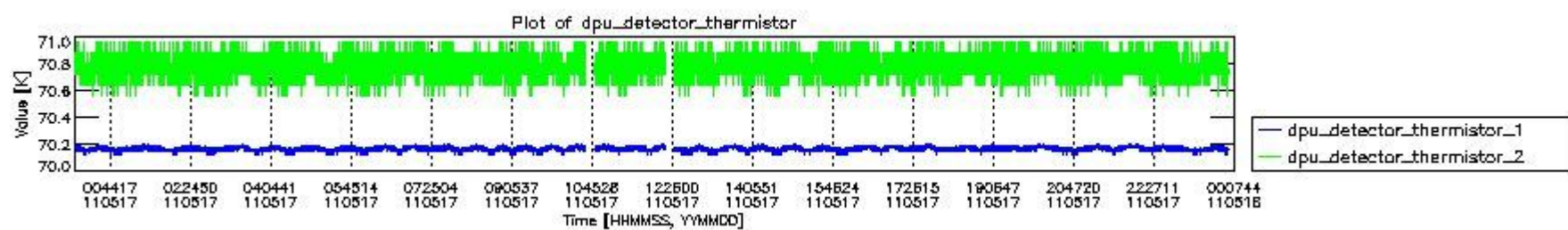
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110517\_0.PNG



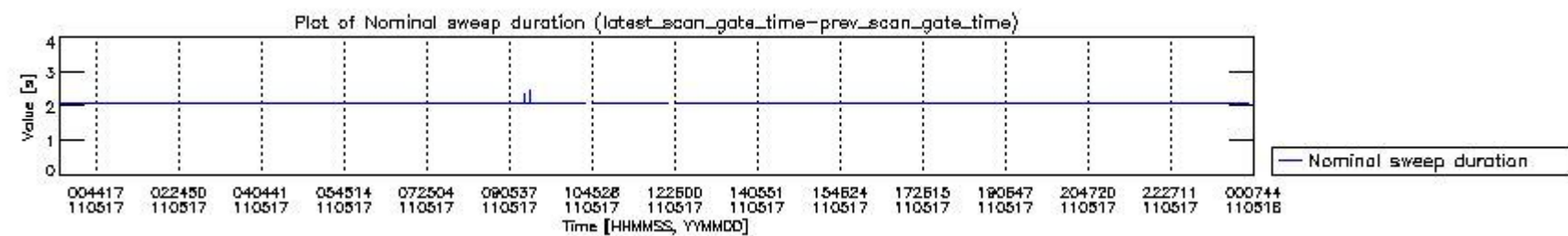
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110517\_1.PNG



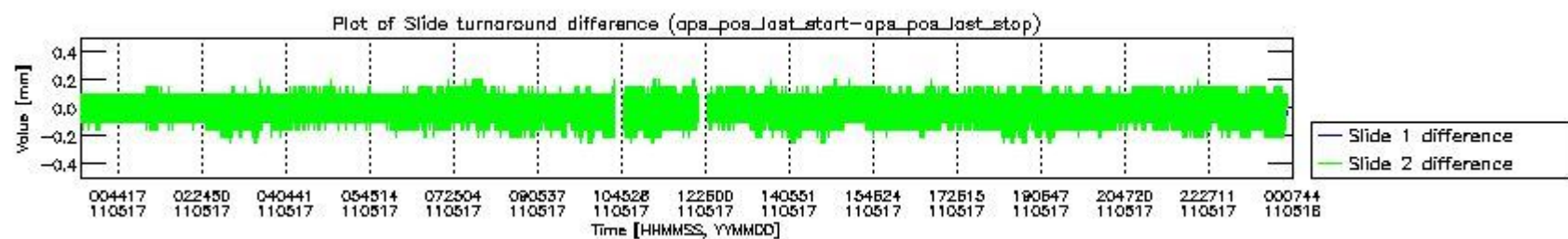
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110517\_2.PNG



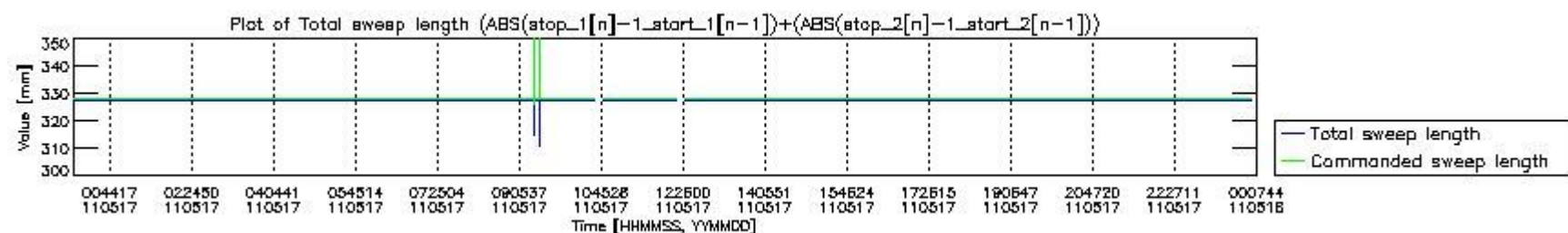
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110517\_3.PNG



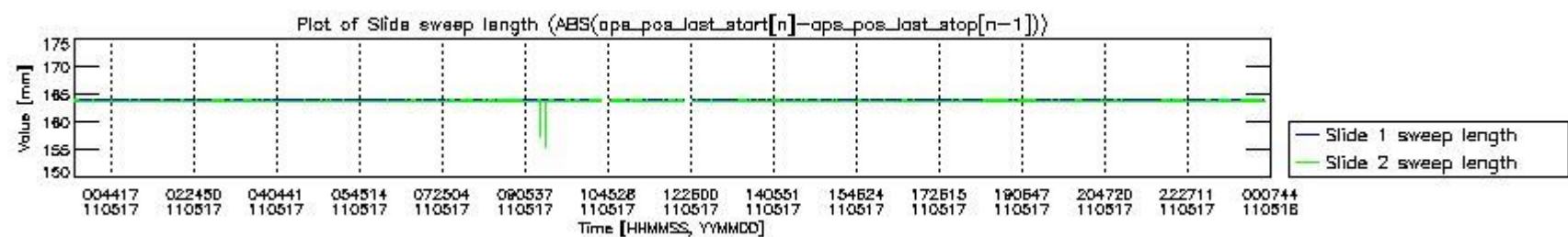
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110517\_4.PNG



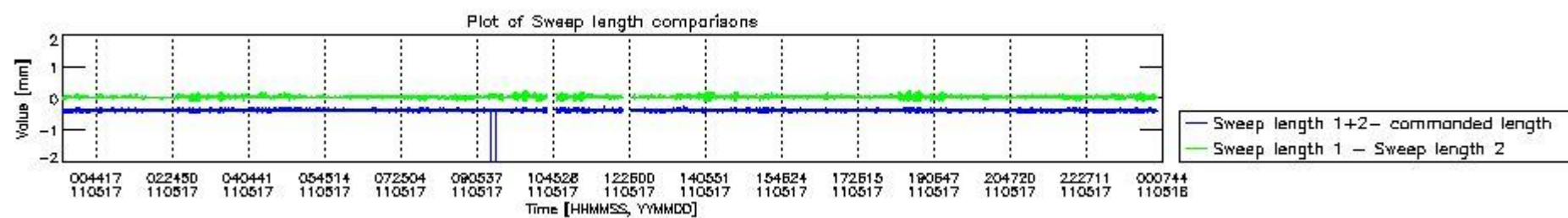
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110517\_5.PNG



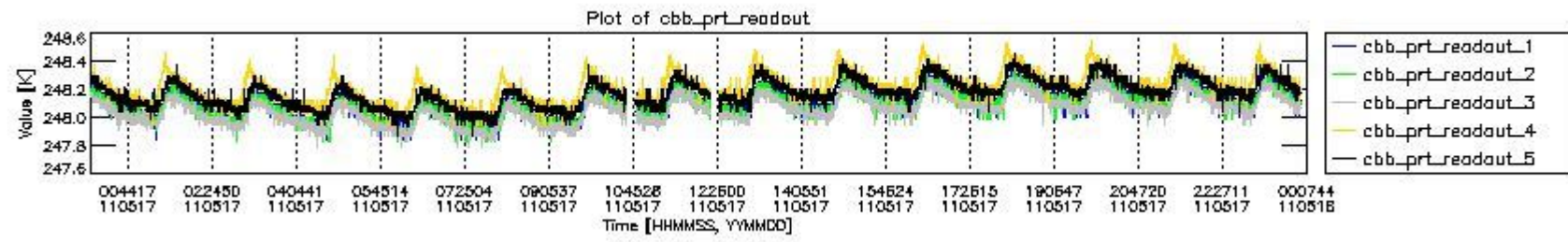
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110517\_6.PNG



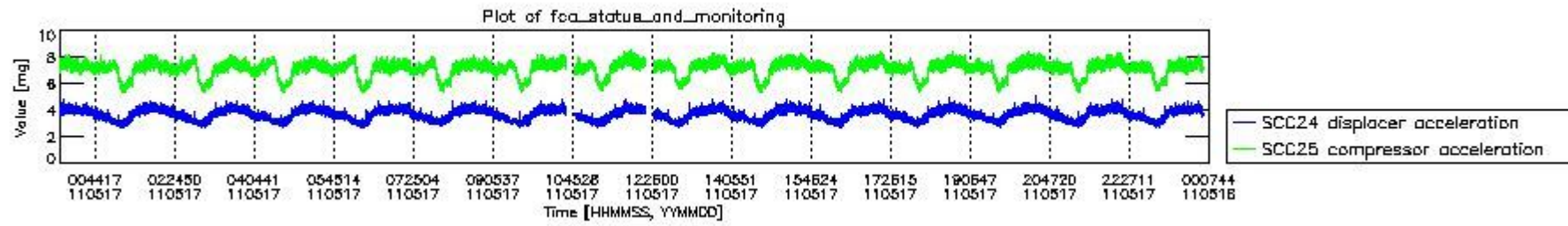
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110517\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110517\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110517\_9.PNG

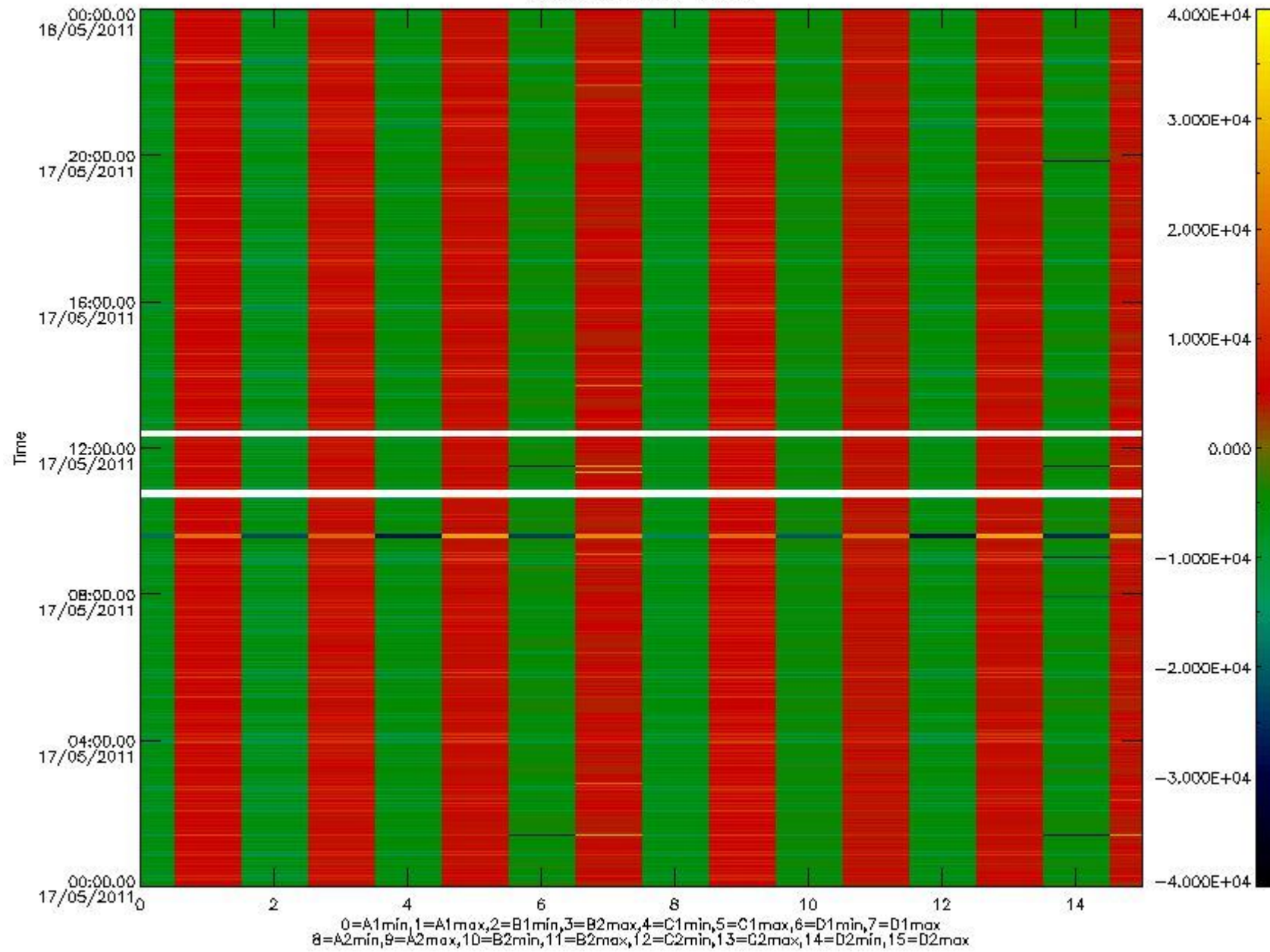


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110517\_10.PNG

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	-31515	32767	16bit
D1	-32768	32767	16bit
A2	-32768	32767	16bit
B2	-32768	32767	16bit
C2	-32768	28872	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\_20110517\_11.PNG

### 0.3 ADF monitoring

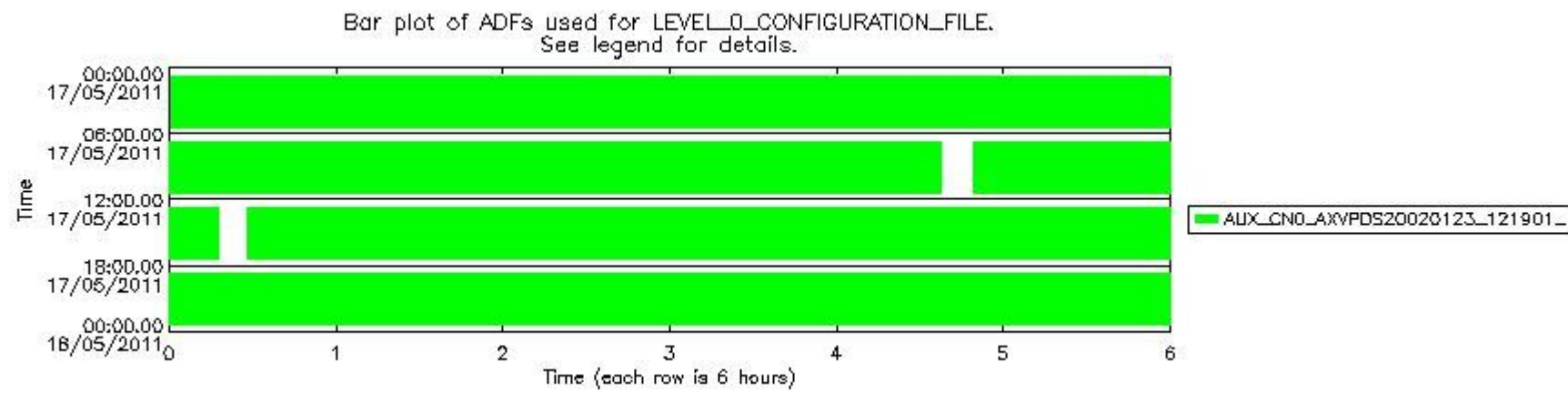
The use of ADFs is shown in two ways:

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.

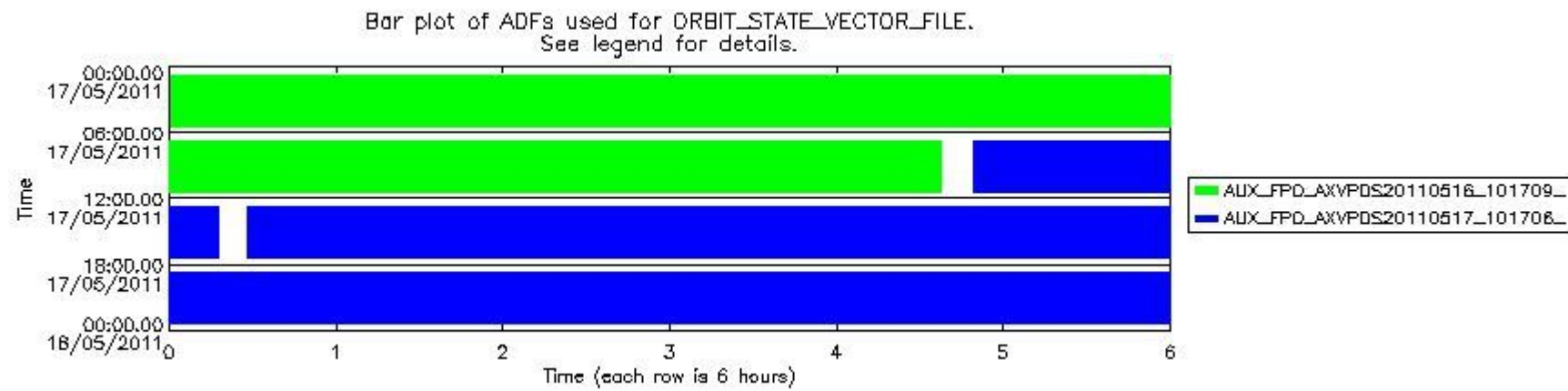
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110516_101709_20110515_194819_20110525_202153
2	AUX_FPO_AXVPDS20110517_101706_20110516_191135_20110526_212523

Number	Product name	#CN0	#FPO
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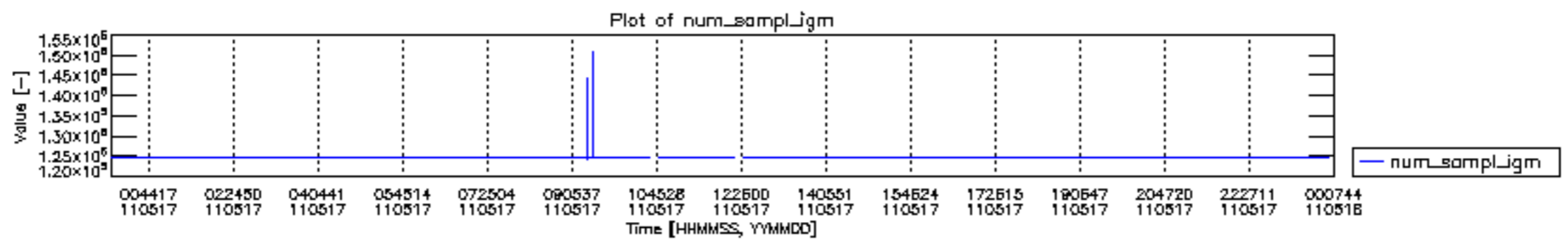
0	MIP_NL__0PNPDE20110517_000046_000059503102_00303_48162_8777.N1	0	1
1	MIP_NL__0PNPDE20110517_013853_000044413102_00304_48163_8778.N1	0	1
2	MIP_NL__0PNPDE20110517_025221_000061383102_00305_48164_8779.N1	0	1
3	MIP_NL__0PNPDE20110517_043403_000060123102_00306_48165_8780.N1	0	1
4	MIP_NL__0PNPDK20110517_061342_000040973102_00307_48166_5228.N1	0	1
5	MIP_NL__0PNPDK20110517_072127_000061583102_00308_48167_5229.N1	0	1
6	MIP_NL__0PNPDK20110517_090330_000056603102_00309_48168_5230.N1	0	1
7	MIP_NL__0PNPDK20110517_104911_000052893102_00310_48169_5231.N1	0	2
8	MIP_NL__0PNPDK20110517_122808_000055403102_00311_48170_5232.N1	0	2
9	MIP_NL__0PNPDK20110517_135951_000058993102_00312_48171_5233.N1	0	2
10	MIP_NL__0PNPDK20110517_153728_000058183102_00313_48172_5234.N1	0	2
11	MIP_NL__0PNPDK20110517_171330_000059643102_00314_48173_5235.N1	0	2
12	MIP_NL__0PNPDK20110517_185202_000059333102_00315_48174_5236.N1	0	2
13	MIP_NL__0PNPDE20110517_202919_000044733102_00316_48175_8781.N1	0	2
14	MIP_NL__0PNPDE20110517_214236_000060903102_00316_48175_8782.N1	0	2
15	MIP_NL__0PNPDE20110517_232307_000061543102_00317_48176_8783.N1	0	2

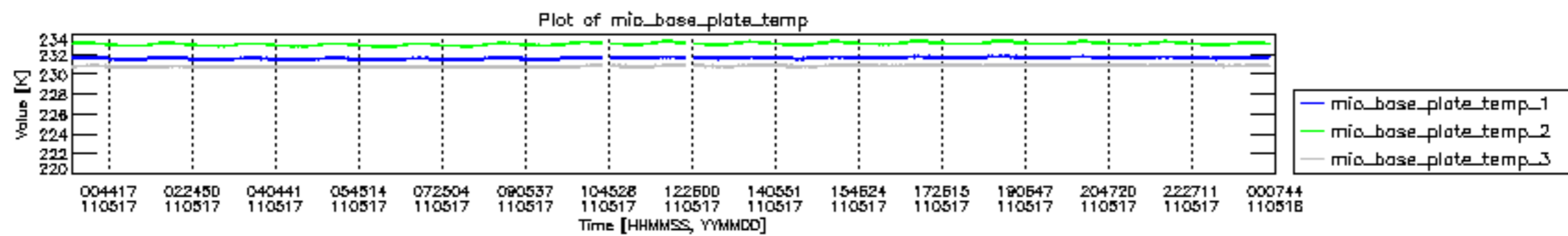


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110517\_12.PNG

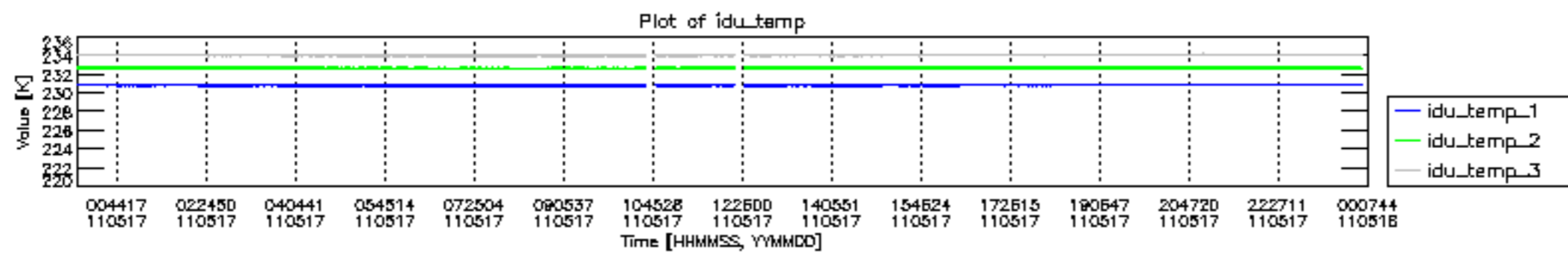


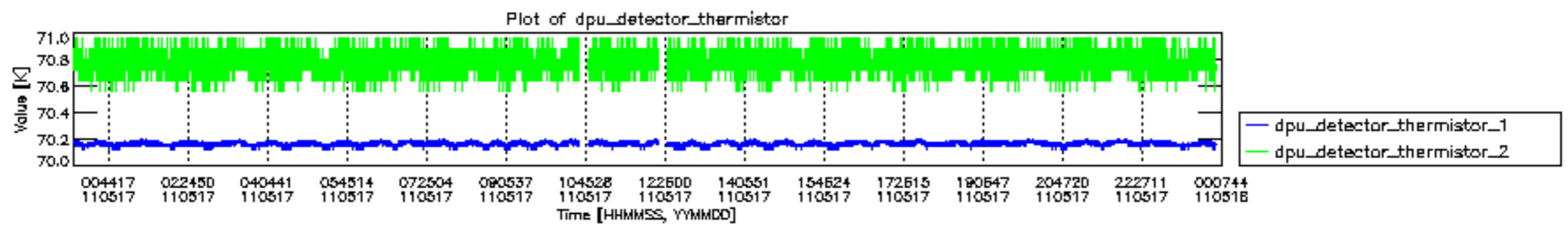
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110517\_13.PNG

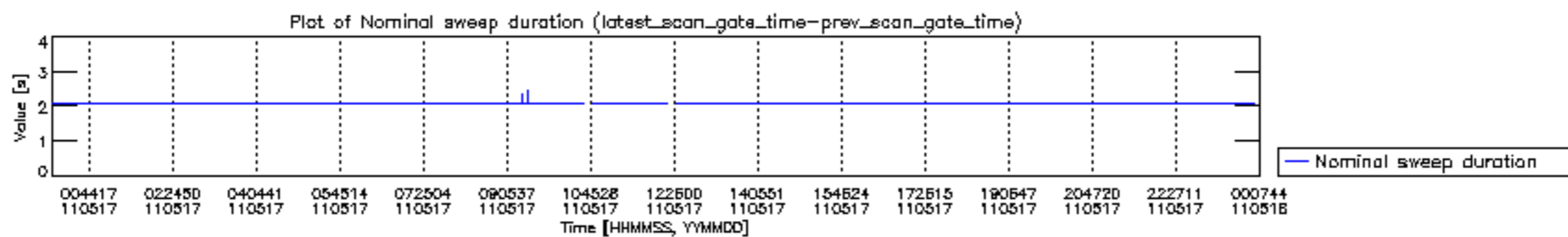


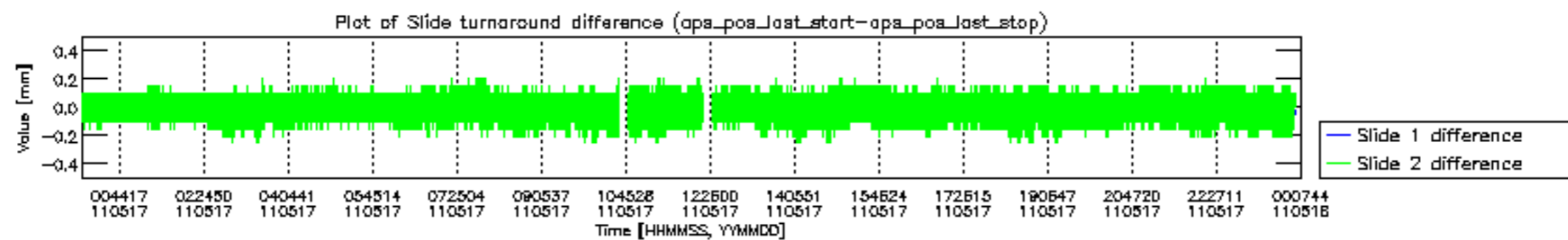


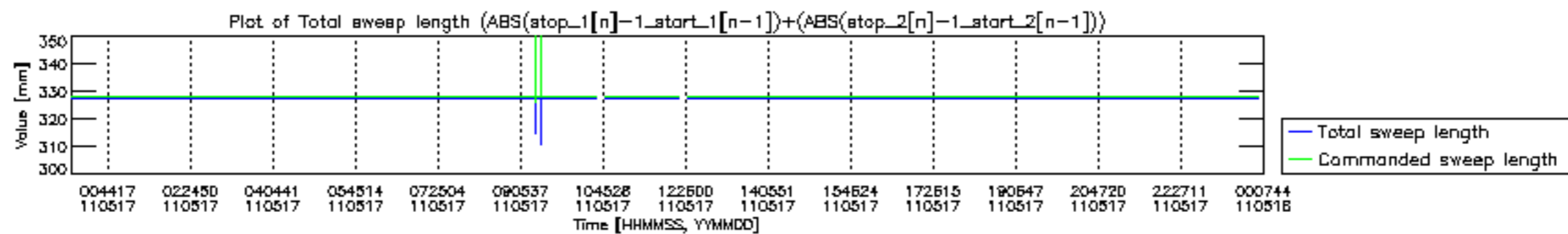


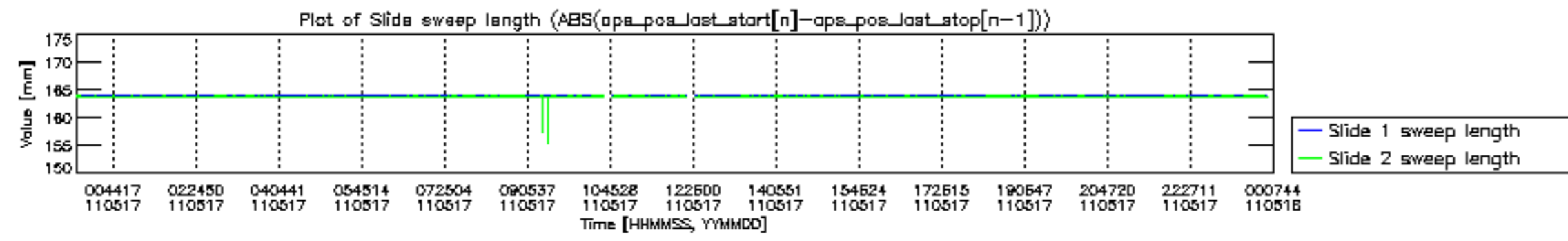


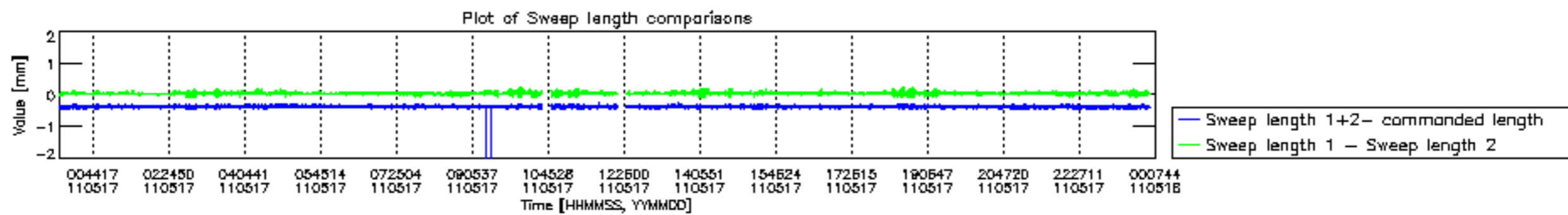


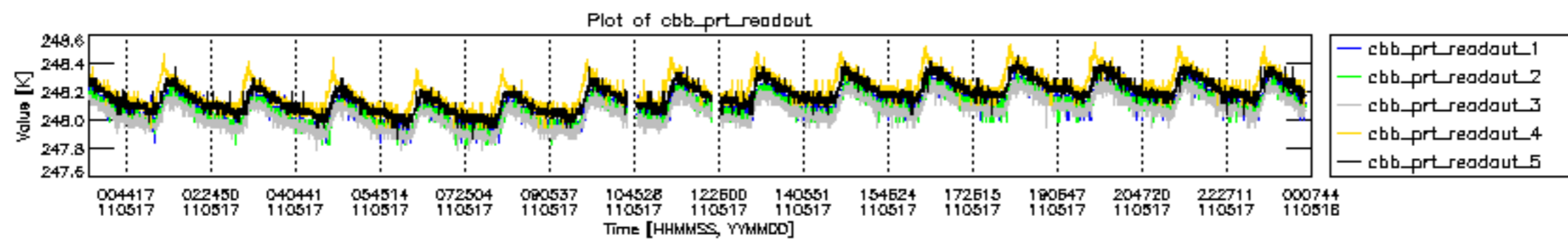




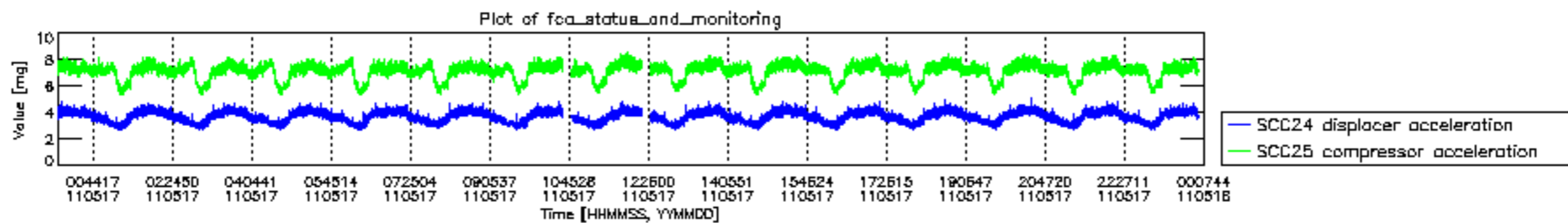












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

