

## 0. MIPAS Daily Report for level 0 products

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### [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	21JUL2011 05:24:55
Data source version	KSPT_L0/4504-N
Processing scope for products	16JUL2011 00:00:00 to 17JUL2011 00:00:00
Start time of first product within scope	16JUL2011 00:00:48
Stop time of last product within scope	17JUL2011 01:05:13
Total number of level 0 products	15
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__OPNPDE20110716_000048_000059893104_00303_49024_9242.N1	16JUL2011 00:00:48	16JUL2011 01:40:38	0	0	0	0	0
1	MIP_NL__OPNPDE20110716_013933_000044693104_00304_49025_9243.N1	16JUL2011 01:39:33	16JUL2011 02:54:01	0	0	0	0	0
2	MIP_NL__OPNPDE20110716_025328_000061043104_00305_49026_9244.N1	16JUL2011 02:53:28	16JUL2011 04:35:12	0	0	0	0	0
3	MIP_NL__OPNPDE20110716_043439_000024233104_00306_49027_9245.N1	16JUL2011 04:34:39	16JUL2011 05:15:02	0	0	0	0	0
4	MIP_NL__OPNPDK20110716_083431_000017593104_00309_49030_5785.N1	16JUL2011 08:34:31	16JUL2011 09:03:50	0	0	0	0	0
5	MIP_NL__OPNPDK20110716_090306_000060123104_00309_49030_5786.N1	16JUL2011 09:03:06	16JUL2011 10:43:18	0	0	0	0	0
6	MIP_NL__OPNPDK20110716_104234_000059913104_00310_49031_5787.N1	16JUL2011 10:42:34	16JUL2011 12:22:25	0	0	0	0	0
7	MIP_NL__OPNPDK20110716_122141_000059373104_00311_49032_5788.N1	16JUL2011 12:21:41	16JUL2011 14:00:38	0	0	0	0	0
8	MIP_NL__OPNPDK20110716_140007_000058983104_00312_49033_5789.N1	16JUL2011 14:00:07	16JUL2011 15:38:24	1	1	0	0	0
9	MIP_NL__OPNPDK20110716_153751_000058643104_00313_49034_5790.N1	16JUL2011 15:37:51	16JUL2011 17:15:35	0	0	0	0	0
10	MIP_NL__OPNPDK20110716_171434_000058643104_00314_49035_5791.N1	16JUL2011 17:14:34	16JUL2011 18:52:19	0	0	0	0	0
11	MIP_NL__OPNPDK20110716_185114_000060923104_00315_49036_5792.N1	16JUL2011 18:51:14	16JUL2011 20:32:46	0	0	0	0	0
12	MIP_NL__OPNPDE20110716_203042_000043643104_00316_49037_9246.N1	16JUL2011 20:30:42	16JUL2011 21:43:26	0	0	0	0	0
13	MIP_NL__OPNPDE20110716_214217_000061863104_00316_49037_9247.N1	16JUL2011 21:42:17	16JUL2011 23:25:23	0	0	0	0	0
14	MIP_NL__OPNPDE20110716_232418_000060543104_00317_49038_9248.N1	16JUL2011 23:24:18	17JUL2011 01:05:13	0	0	0	0	0

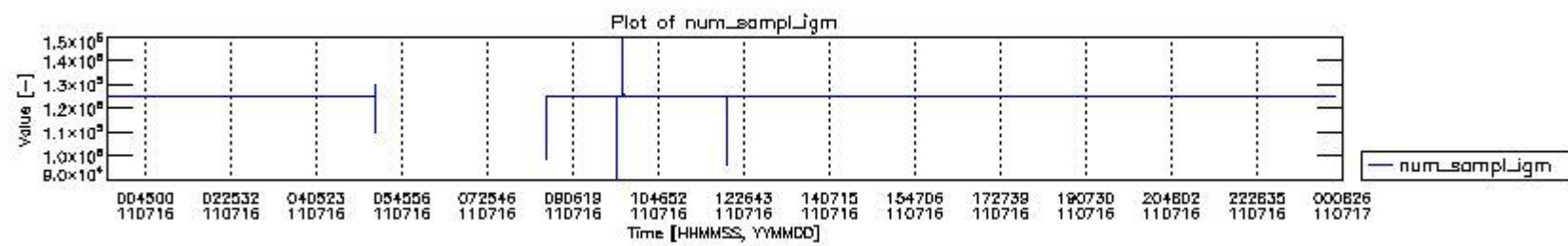
## 0.2 Instrument Operational Performance Parameters

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.

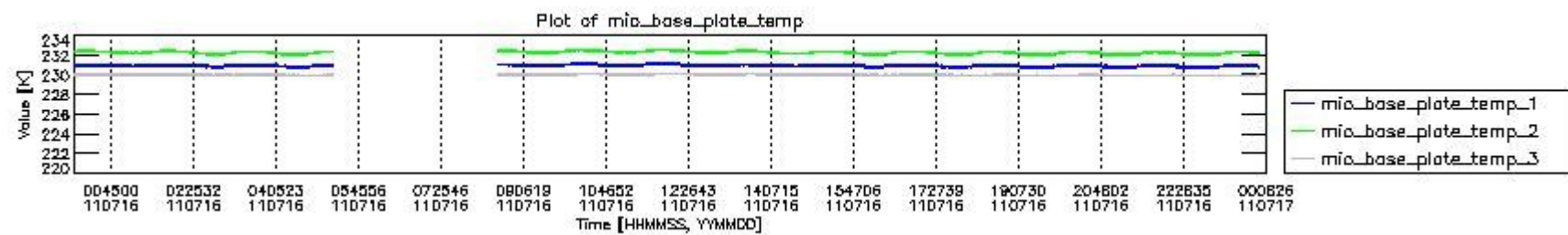
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
90028	1	0.0027893225
96274	1	0.0027893225
97348	1	0.0027893225

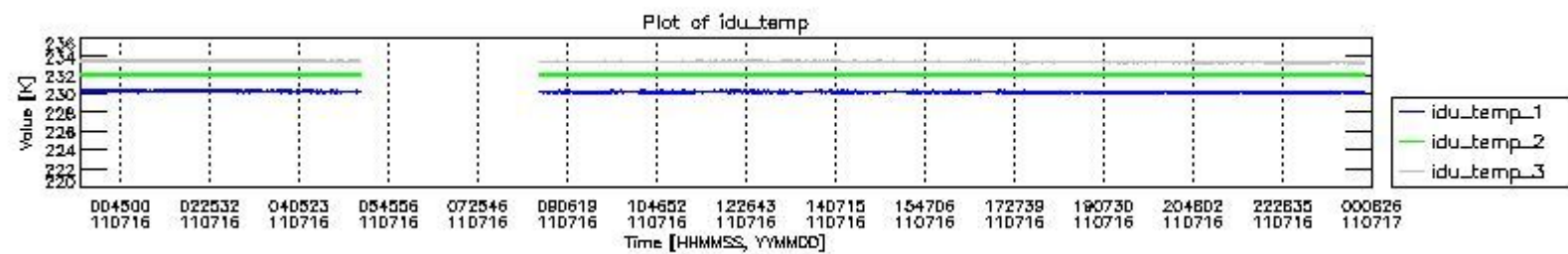
99070	1	0.0027893225
100471	1	0.0027893225
110209	1	0.0027893225
115750	1	0.0027893225
117480	1	0.0027893225
120603	1	0.0027893225
123844	1	0.0027893225
124322	1	0.0027893225
124800	33293	92.864913
124803	2543	7.0932471
127085	1	0.0027893225
130341	1	0.0027893225
147217	1	0.0027893225
149502	1	0.0027893225



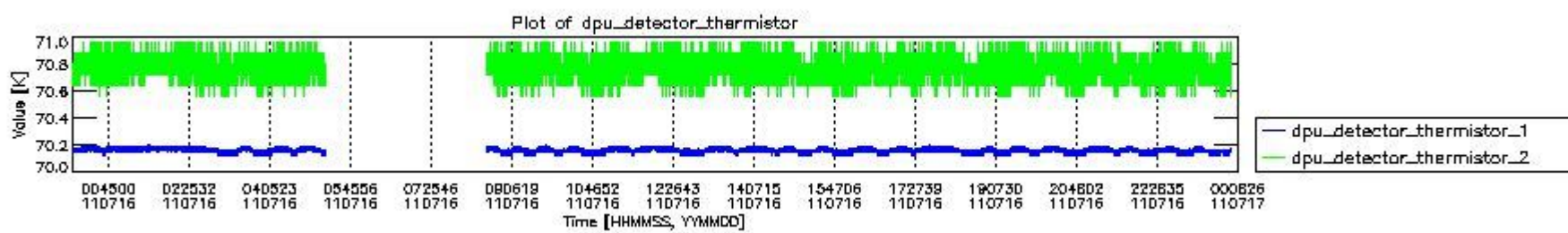
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110716\_0.PNG



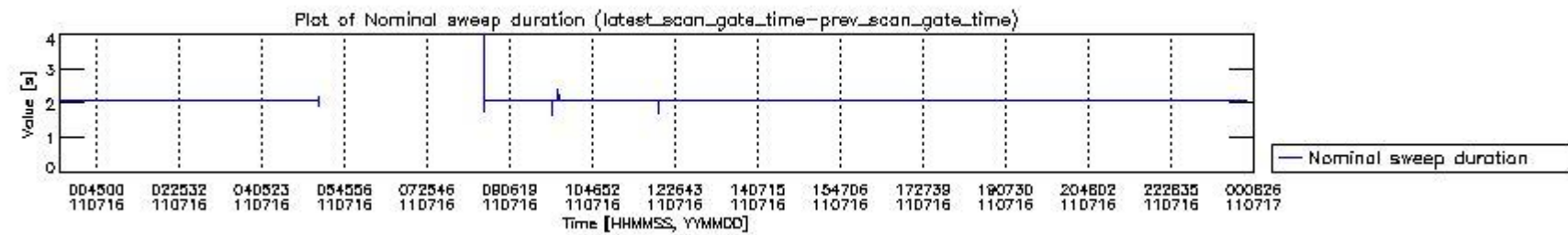
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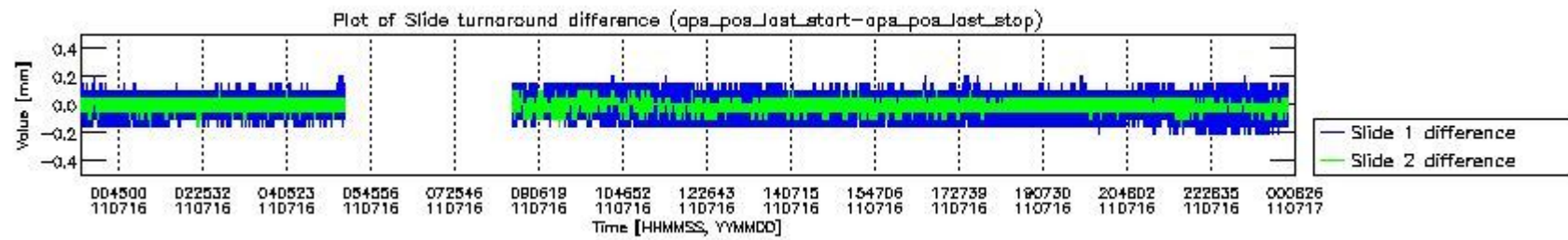
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110716\_2.PNG



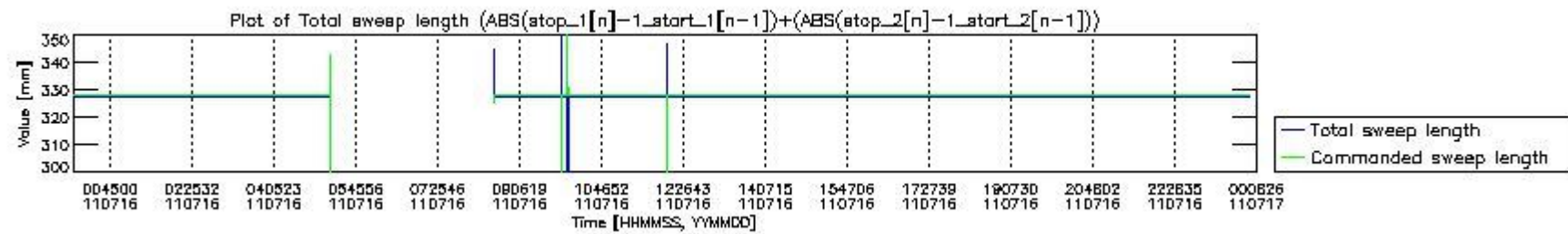
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110716\_3.PNG



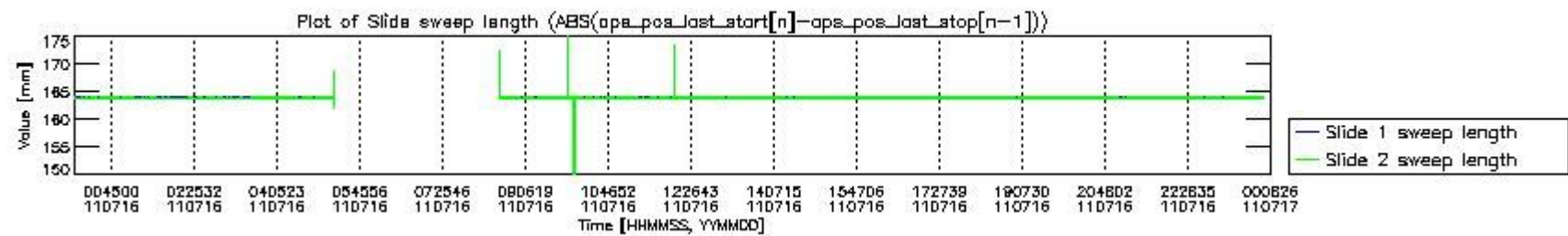
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110716\_4.PNG



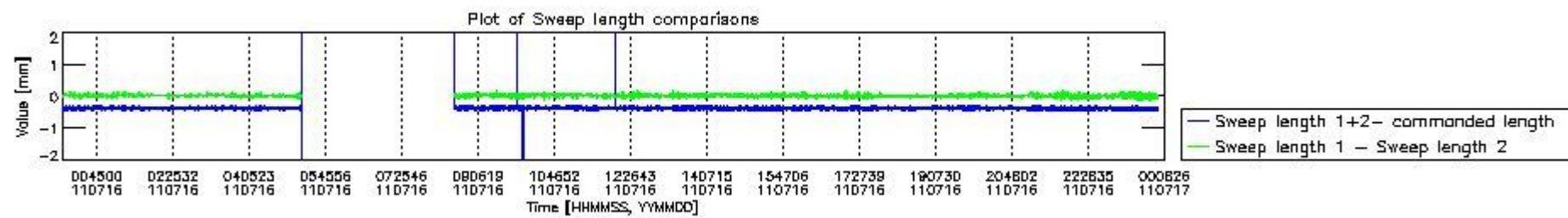
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110716\_5.PNG



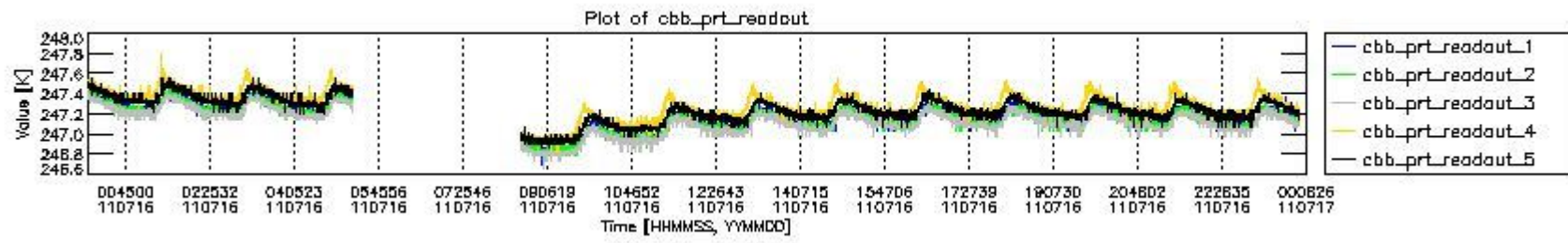
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110716\_6.PNG



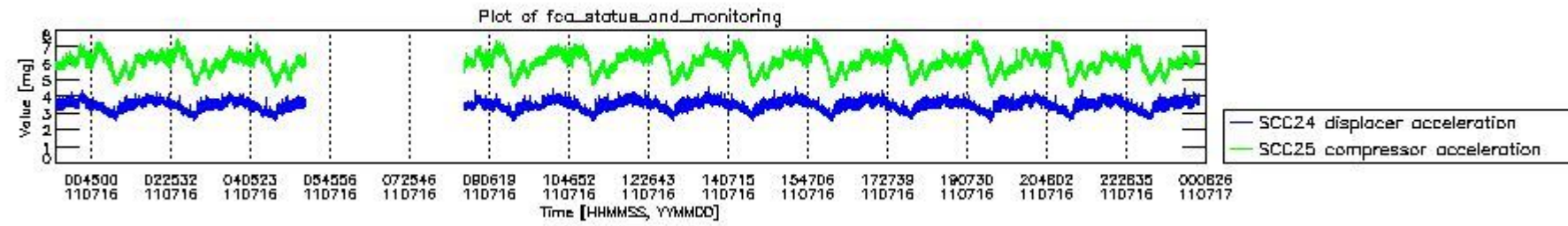
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110716\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110716\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110716\_9.PNG



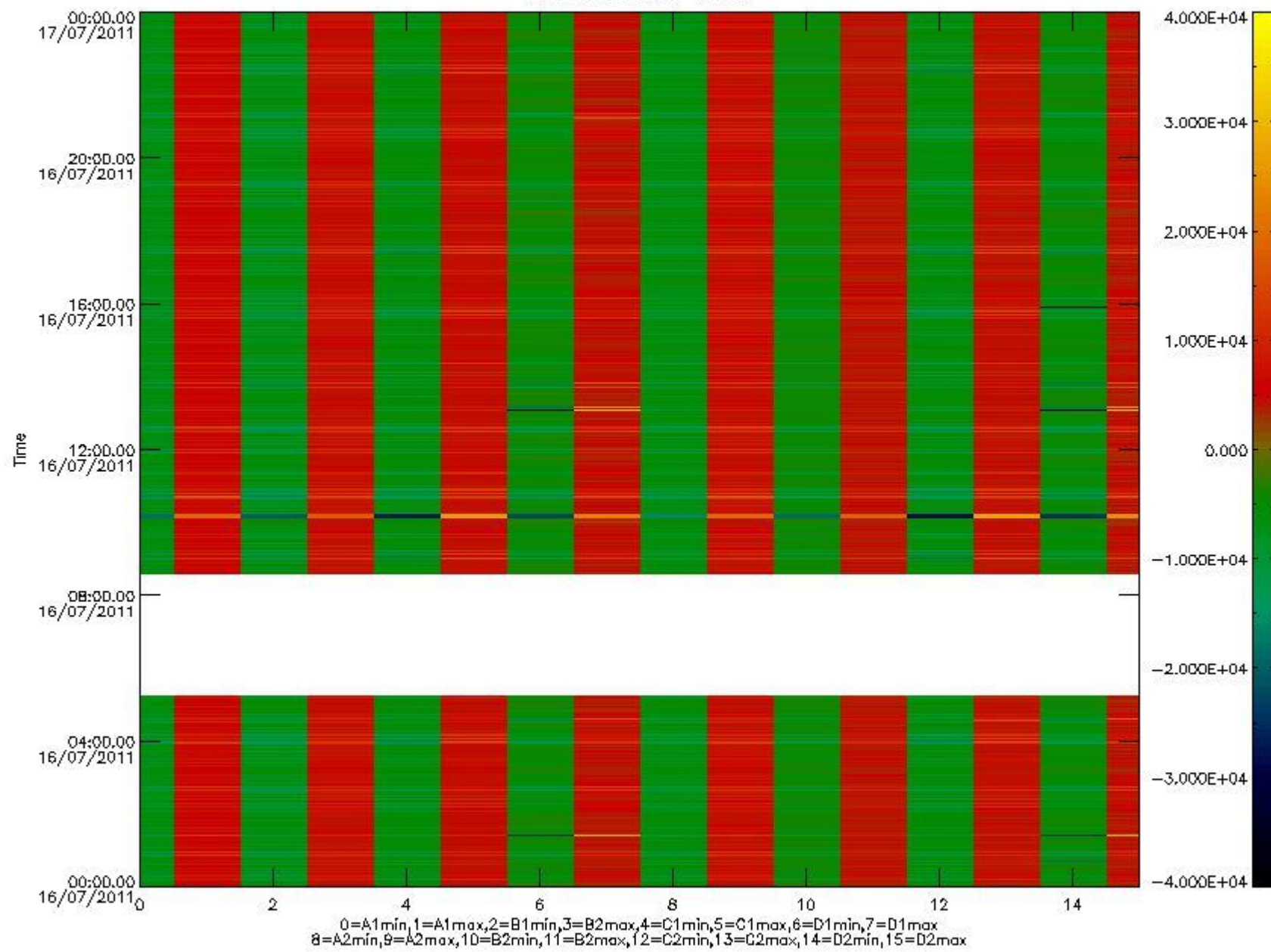
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110716\_10.PNG

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	-27446	27481	16bit
D1	-32768	32767	16bit
A2	-32768	28281	16bit
B2	-32768	32767	16bit
C2	-28546	28297	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\_20110716\_11.PNG

### 0.3 ADF monitoring

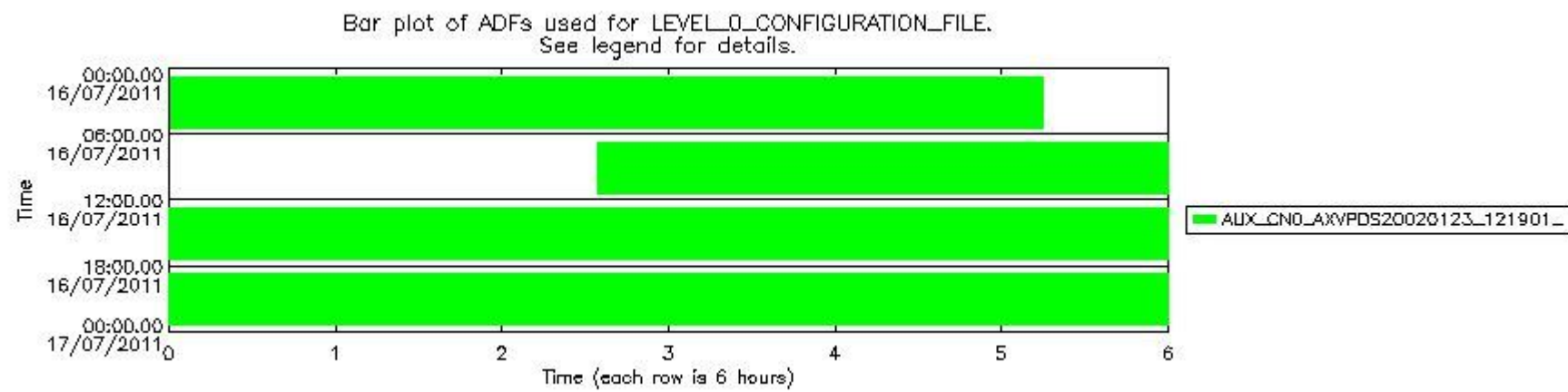
The use of ADFs is shown in two ways:

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.

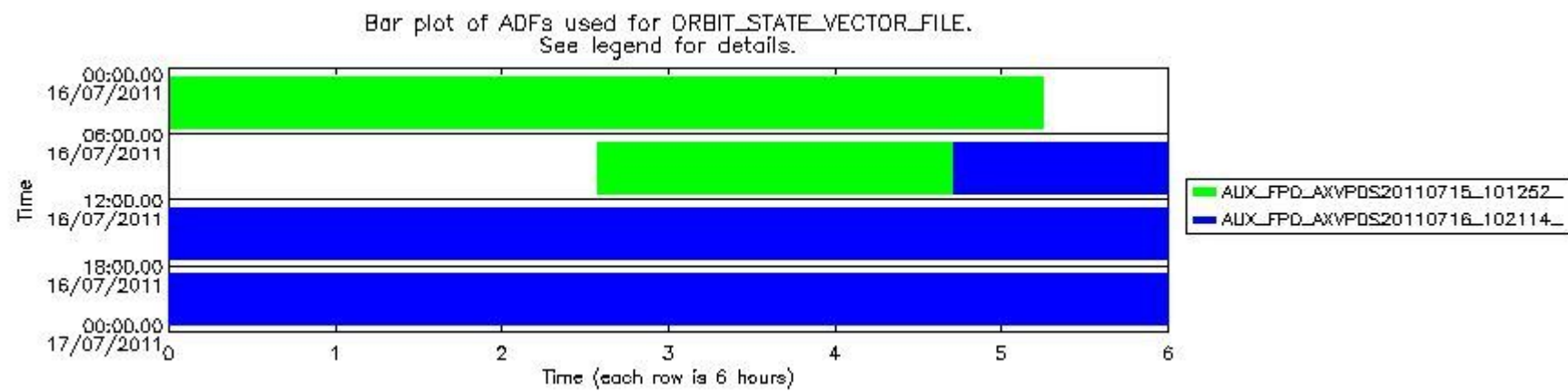
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110715_101252_20110714_194914_20110724_202248
2	AUX_FPO_AXVPDS20110716_102114_20110715_191230_20110725_212617

Number	Product name	#CN0	#FPO
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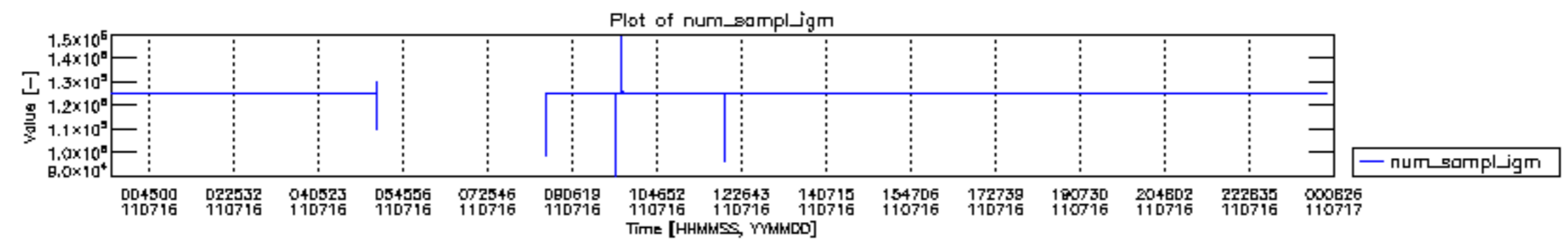
0	MIP_NL__0PNPDE20110716_000048_000059893104_00303_49024_9242.N1	0	1
1	MIP_NL__0PNPDE20110716_013933_000044693104_00304_49025_9243.N1	0	1
2	MIP_NL__0PNPDE20110716_025328_000061043104_00305_49026_9244.N1	0	1
3	MIP_NL__0PNPDE20110716_043439_000024233104_00306_49027_9245.N1	0	1
4	MIP_NL__0PNPDK20110716_083431_000017593104_00309_49030_5785.N1	0	1
5	MIP_NL__0PNPDK20110716_090306_000060123104_00309_49030_5786.N1	0	1
6	MIP_NL__0PNPDK20110716_104234_000059913104_00310_49031_5787.N1	0	2
7	MIP_NL__0PNPDK20110716_122141_000059373104_00311_49032_5788.N1	0	2
8	MIP_NL__0PNPDK20110716_140007_000058983104_00312_49033_5789.N1	0	2
9	MIP_NL__0PNPDK20110716_153751_000058643104_00313_49034_5790.N1	0	2
10	MIP_NL__0PNPDK20110716_171434_000058643104_00314_49035_5791.N1	0	2
11	MIP_NL__0PNPDK20110716_185114_000060923104_00315_49036_5792.N1	0	2
12	MIP_NL__0PNPDE20110716_203042_000043643104_00316_49037_9246.N1	0	2
13	MIP_NL__0PNPDE20110716_214217_000061863104_00316_49037_9247.N1	0	2
14	MIP_NL__0PNPDE20110716_232418_000060543104_00317_49038_9248.N1	0	2

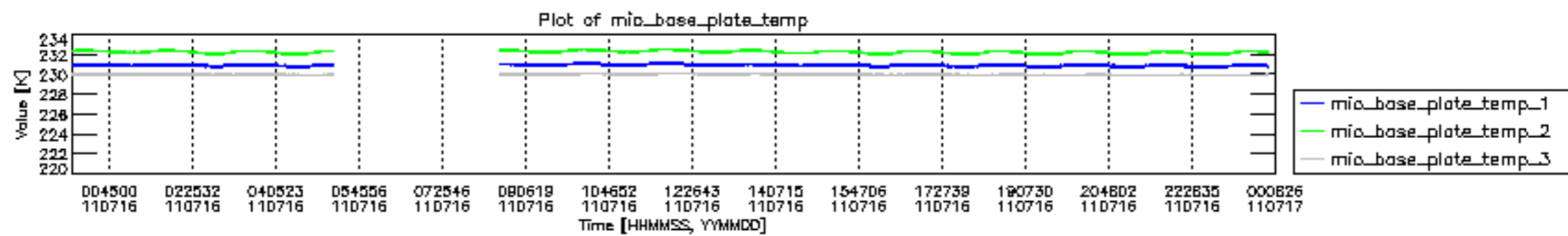


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110716\_12.PNG

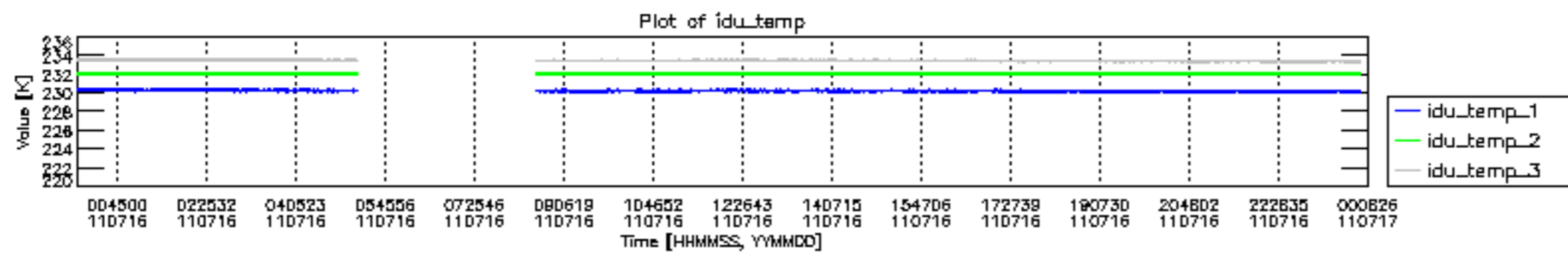


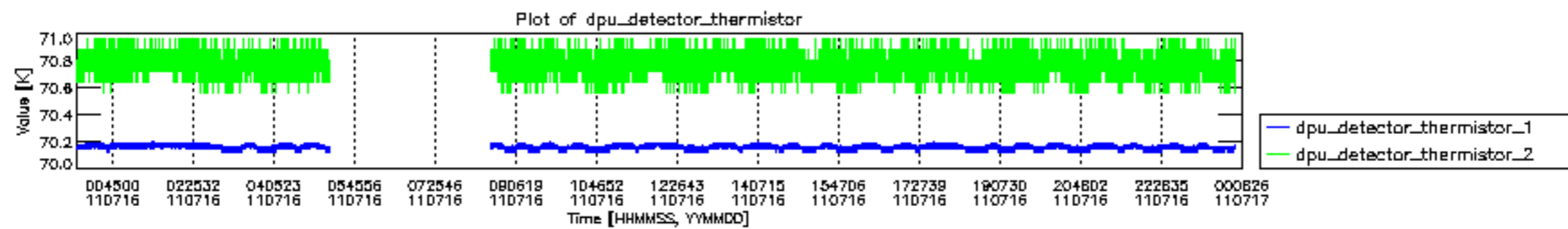
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110716\_13.PNG

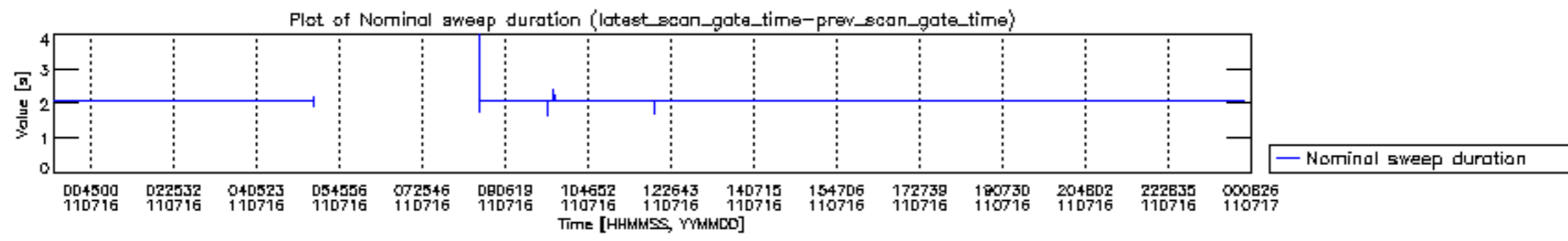


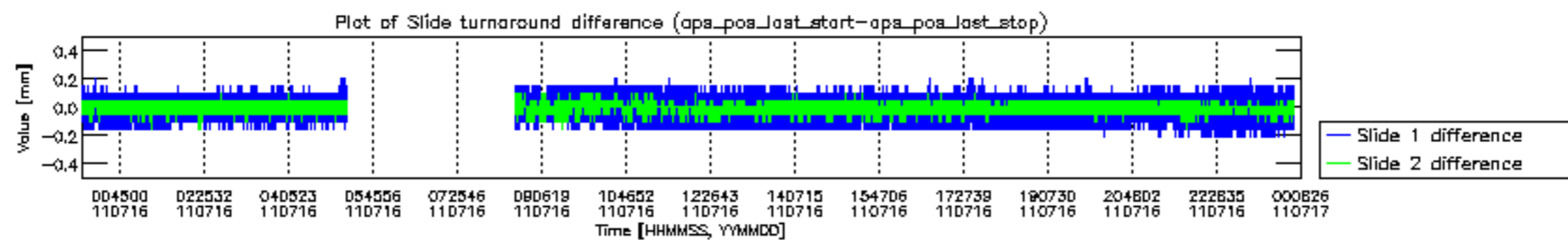


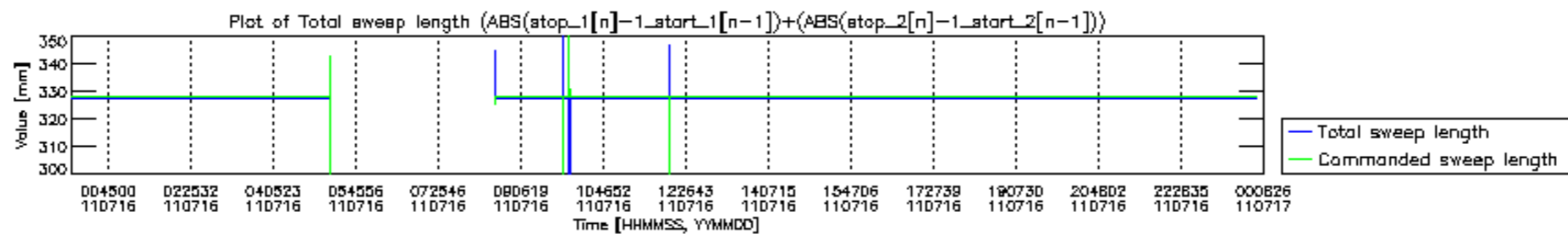




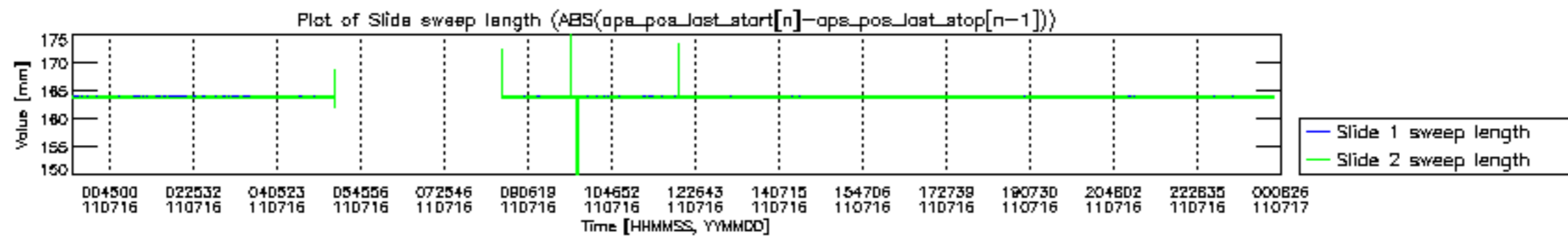


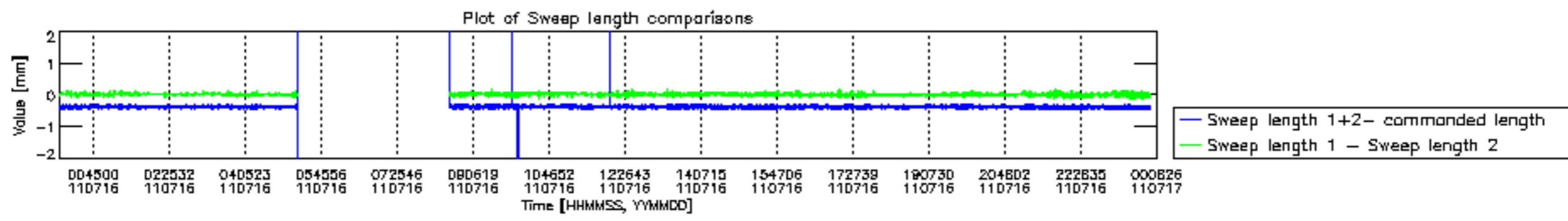


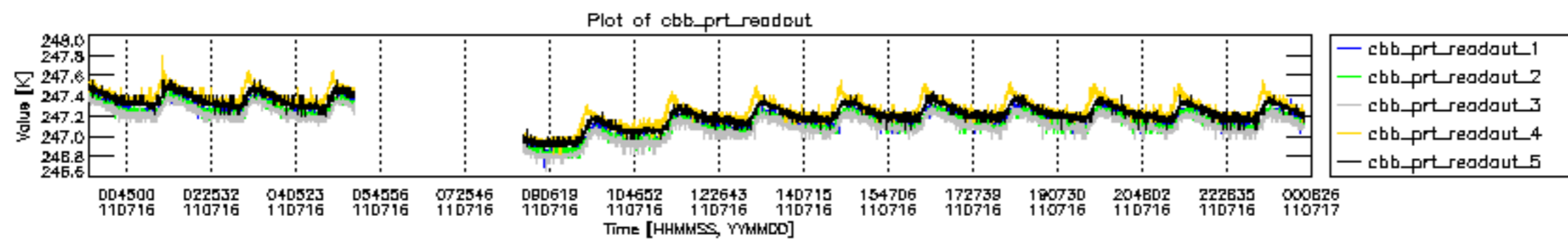


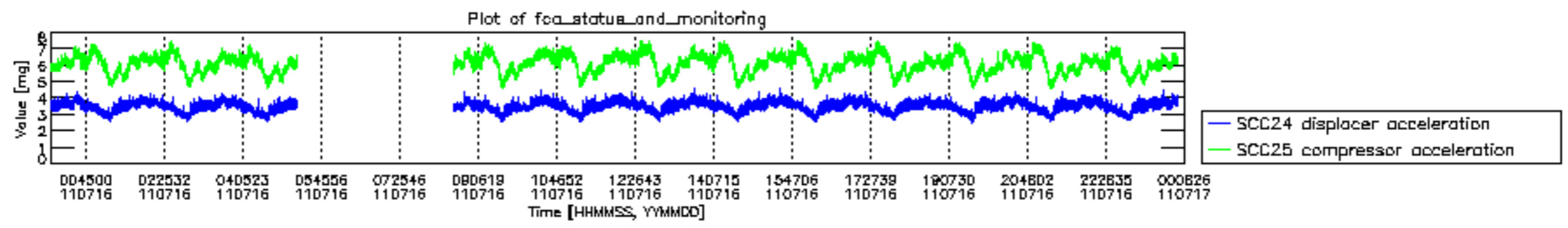












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

