

## 0. MIPAS Daily Report for level 0 products

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### [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	05AUG2011 05:25:30
Data source version	KSPT_L0/4504-N
Processing scope for products	31JUL2011 00:00:00 to 01AUG2011 00:00:00
Start time of first product within scope	31JUL2011 00:53:01
Stop time of last product within scope	01AUG2011 00:15:20
Total number of level 0 products	15
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__0PNPDE20110731_005301_000057433105_00088_49240_9341.N1	31JUL2011 00:53:01	31JUL2011 02:28:44	0	0	0	0	0
1	MIP_NL__0PNPDE20110731_022733_000046043105_00089_49241_9342.N1	31JUL2011 02:27:33	31JUL2011 03:44:17	0	0	0	0	0
2	MIP_NL__0PNPDE20110731_034344_000060983105_00090_49242_9343.N1	31JUL2011 03:43:44	31JUL2011 05:25:22	0	0	0	0	0
3	MIP_NL__0PNPDE20110731_052448_000060413105_00091_49243_9344.N1	31JUL2011 05:24:48	31JUL2011 07:05:30	0	0	0	0	0
4	MIP_NL__0PNPDK20110731_070456_000040533105_00092_49244_5918.N1	31JUL2011 07:04:56	31JUL2011 08:12:29	0	0	0	0	0
5	MIP_NL__0PNPDK20110731_081155_000061953105_00093_49245_5919.N1	31JUL2011 08:11:55	31JUL2011 09:55:10	0	0	0	0	0
6	MIP_NL__0PNPDK20110731_095426_000059433105_00094_49246_5920.N1	31JUL2011 09:54:26	31JUL2011 11:33:30	0	0	0	0	0
7	MIP_NL__0PNPDK20110731_113250_000059903105_00095_49247_5921.N1	31JUL2011 11:32:50	31JUL2011 13:12:40	0	0	0	0	0
8	MIP_NL__0PNPDK20110731_131209_000058973105_00096_49248_5922.N1	31JUL2011 13:12:09	31JUL2011 14:50:26	0	0	0	0	0
9	MIP_NL__0PNPDK20110731_144946_000058623105_00097_49249_5923.N1	31JUL2011 14:49:46	31JUL2011 16:27:28	0	0	0	0	0
10	MIP_NL__0PNPDK20110731_162642_000058393105_00098_49250_5924.N1	31JUL2011 16:26:42	31JUL2011 18:04:01	0	0	0	0	0
11	MIP_NL__0PNPDK20110731_180305_000059853105_00099_49251_5925.N1	31JUL2011 18:03:05	31JUL2011 19:42:50	0	0	0	0	0
12	MIP_NL__0PNPDE20110731_194120_000041933105_00100_49252_9345.N1	31JUL2011 19:41:20	31JUL2011 20:51:12	0	0	0	0	0
13	MIP_NL__0PNPDE20110731_205010_000063993105_00100_49252_9346.N1	31JUL2011 20:50:10	31JUL2011 22:36:48	0	0	0	0	0
14	MIP_NL__0PNPDE20110731_223550_000059703105_00101_49253_9347.N1	31JUL2011 22:35:50	01AUG2011 00:15:20	0	0	0	0	0

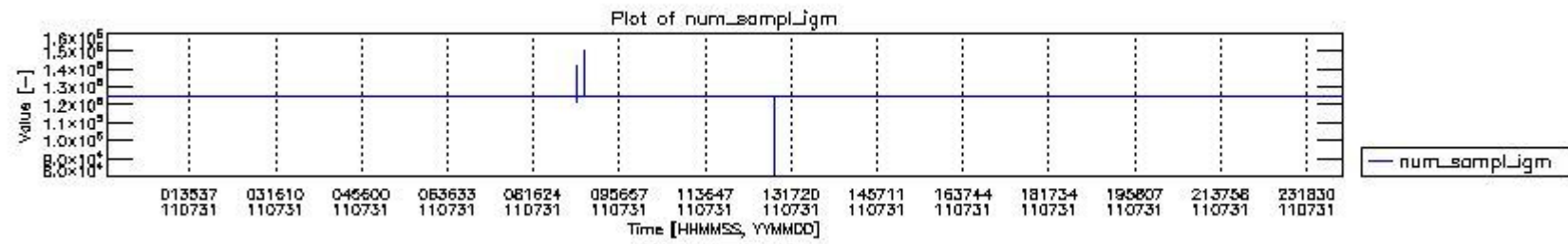
## 0.2 Instrument Operational Performance Parameters

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.

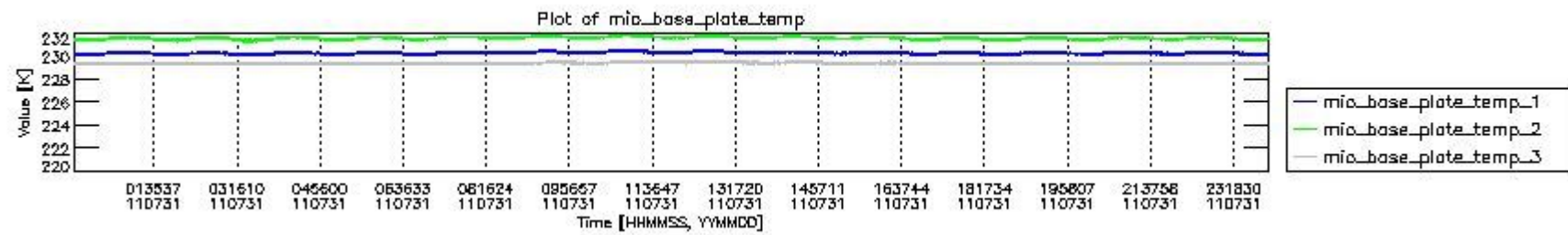
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
80662	1	0.0024039039
92665	1	0.0024039039
112797	1	0.0024039039

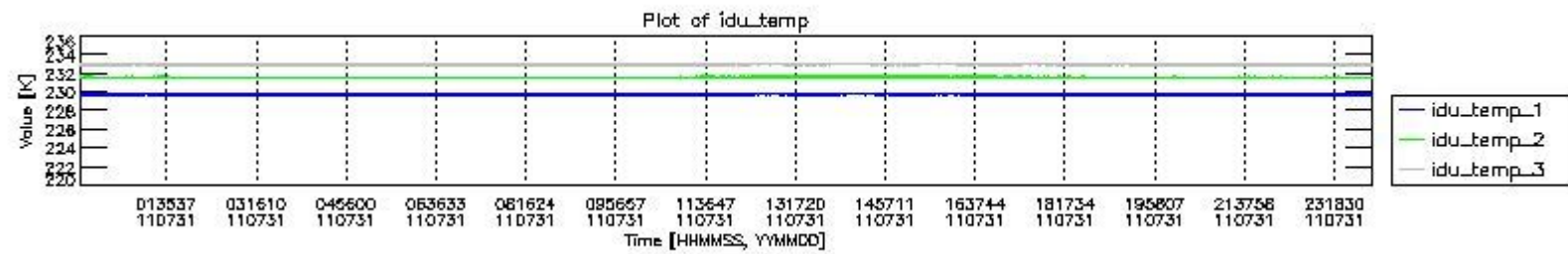
121658	1	0.0024039039
124800	38638	92.882040
124803	2952	7.0963244
127456	1	0.0024039039
138648	1	0.0024039039
141790	1	0.0024039039
147588	1	0.0024039039
150244	1	0.0024039039



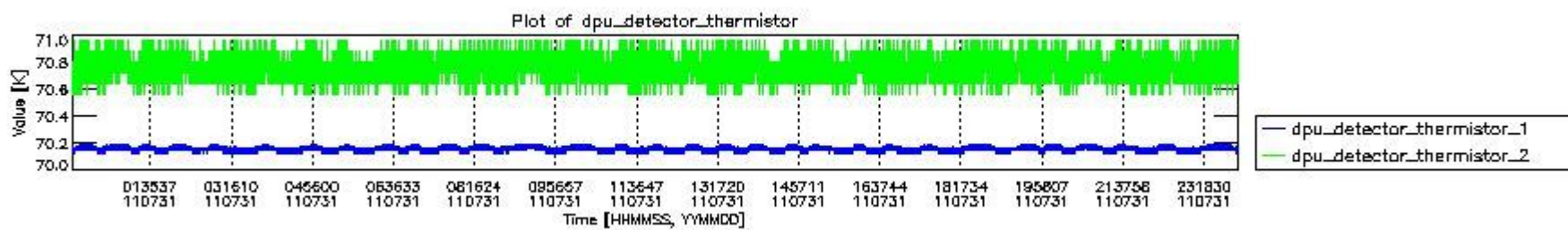
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110731\_0.PNG



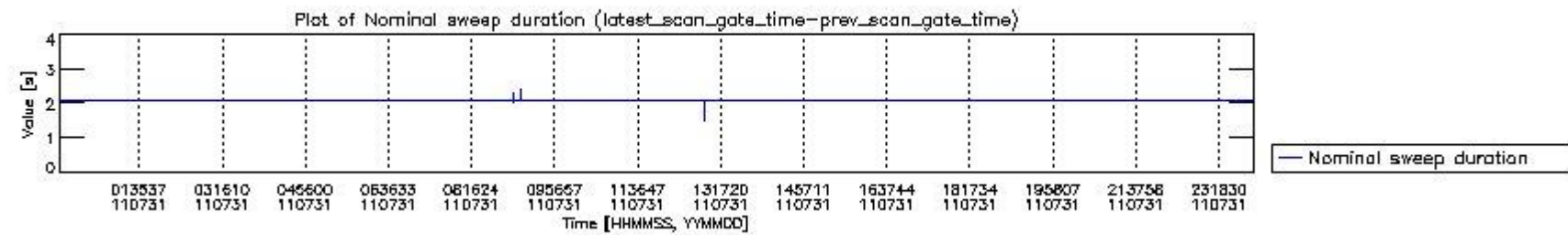
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110731\_1.PNG



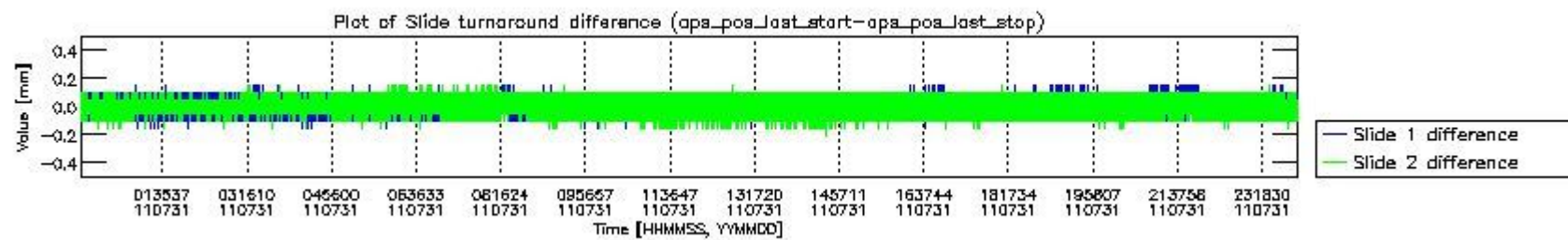
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110731\_2.PNG



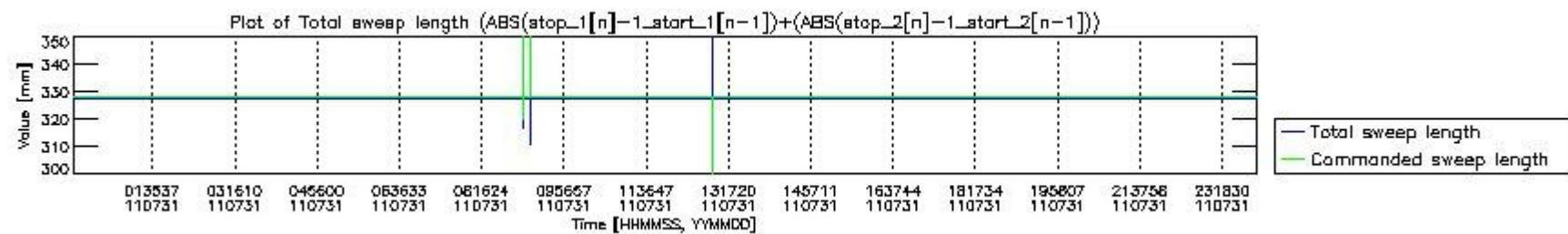
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110731\_3.PNG



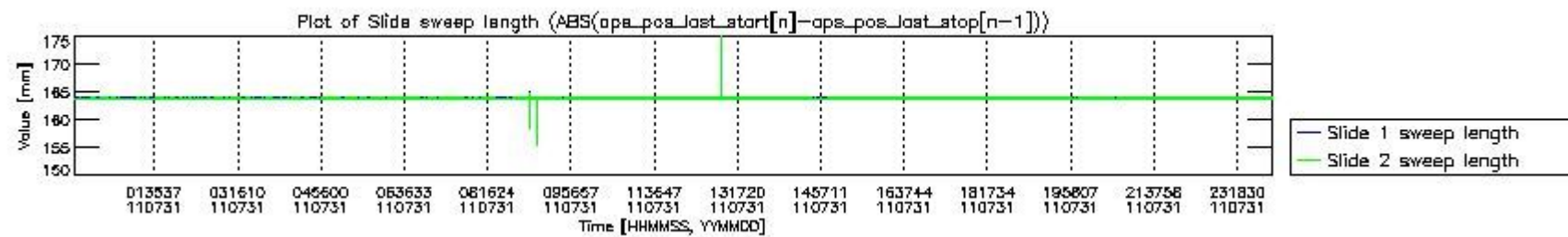
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110731\_4.PNG



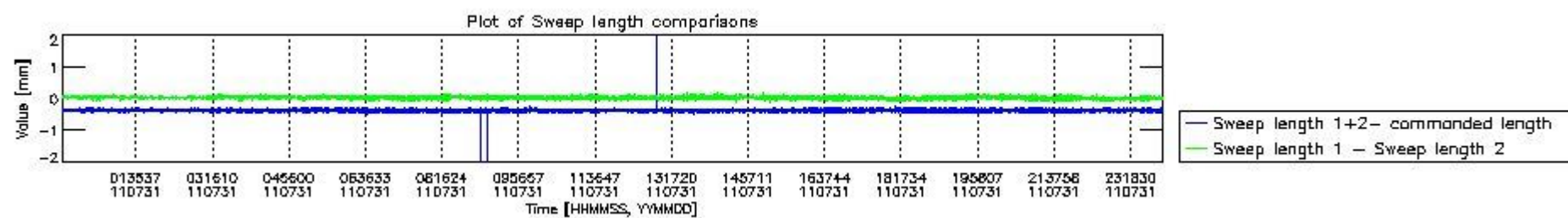
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110731\_5.PNG



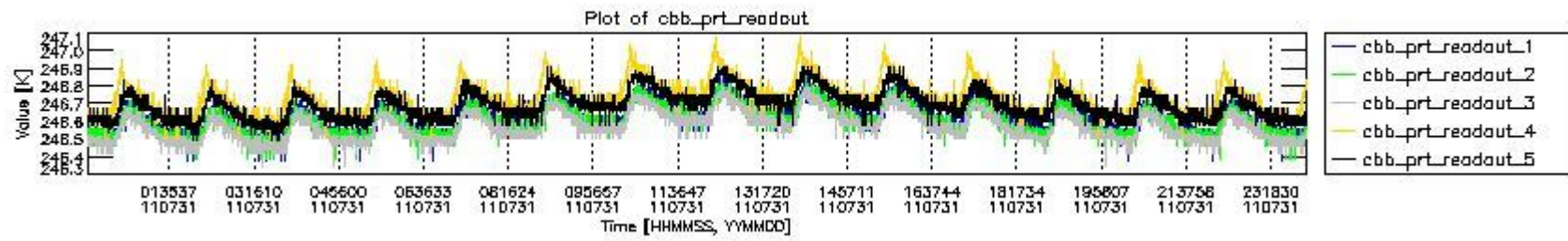
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110731\_6.PNG



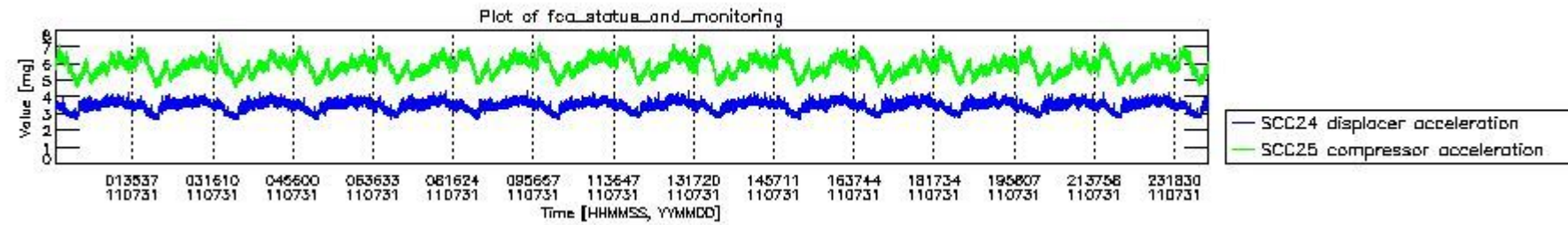
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110731\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110731\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110731\_9.PNG

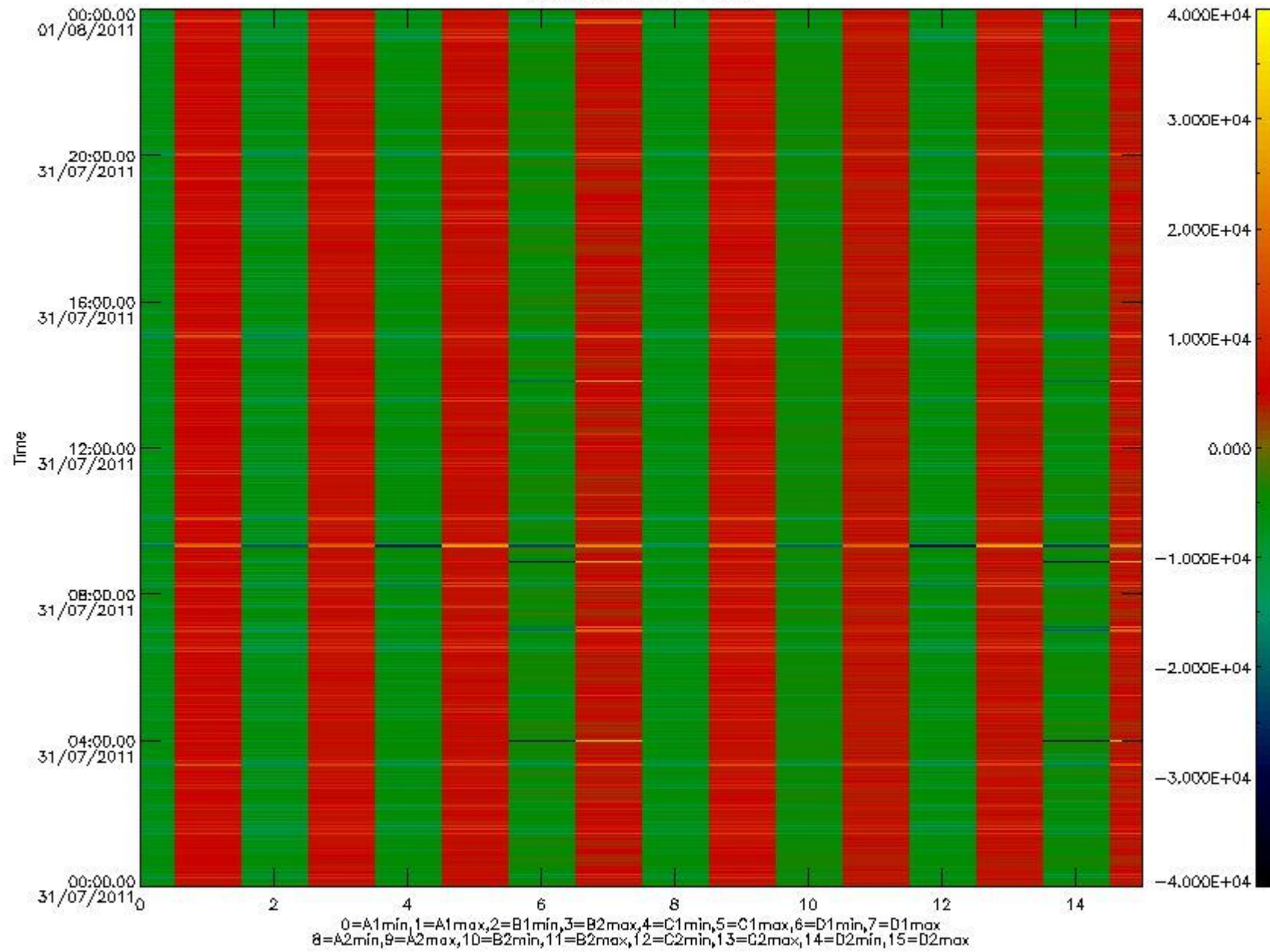


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110731\_10.PNG

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

Channel	Min	Max	ADC
A1	-19027	20453	16bit
B1	-21243	18229	16bit
C1	-26943	26827	16bit
D1	-32768	32767	16bit
A2	-16072	20073	16bit
B2	-19557	19134	16bit
C2	-28001	27591	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\_20110731\_11.PNG

### 0.3 ADF monitoring

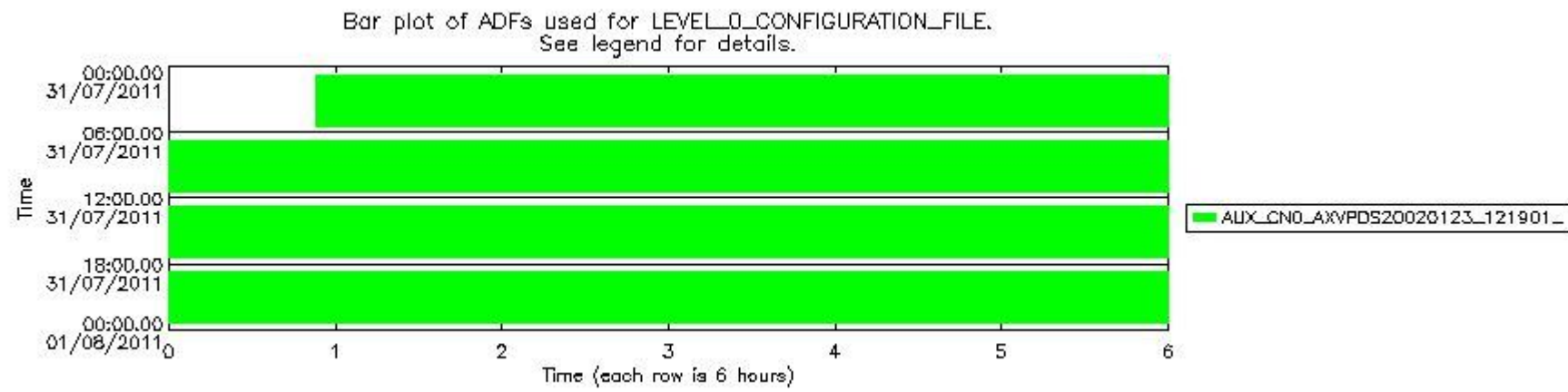
The use of ADFs is shown in two ways:

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.

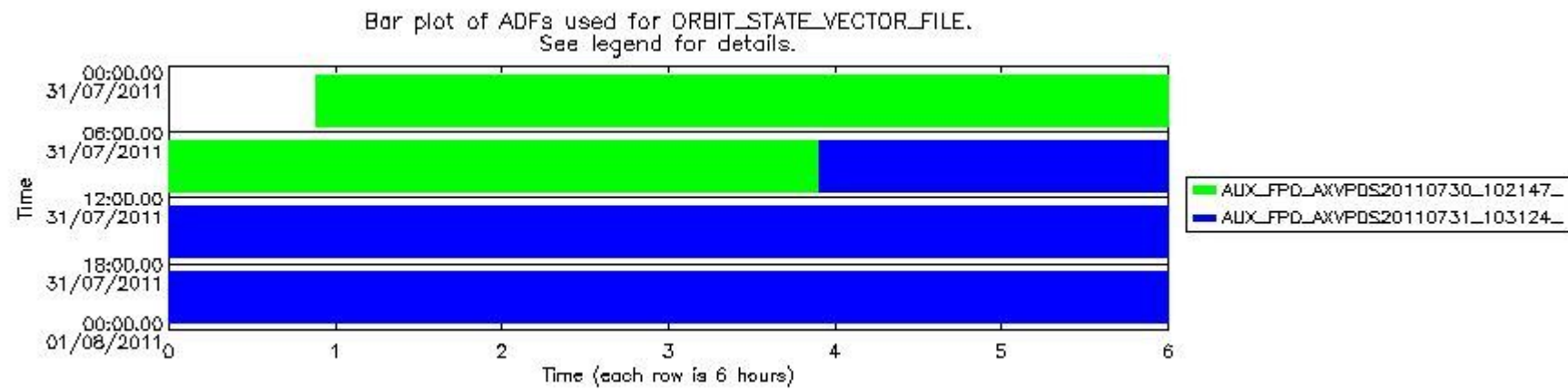
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110730_102147_20110729_185920_20110808_211306
2	AUX_FPO_AXVPDS20110731_103124_20110730_182236_20110809_203622

Number	Product name	#CN0	#FPO
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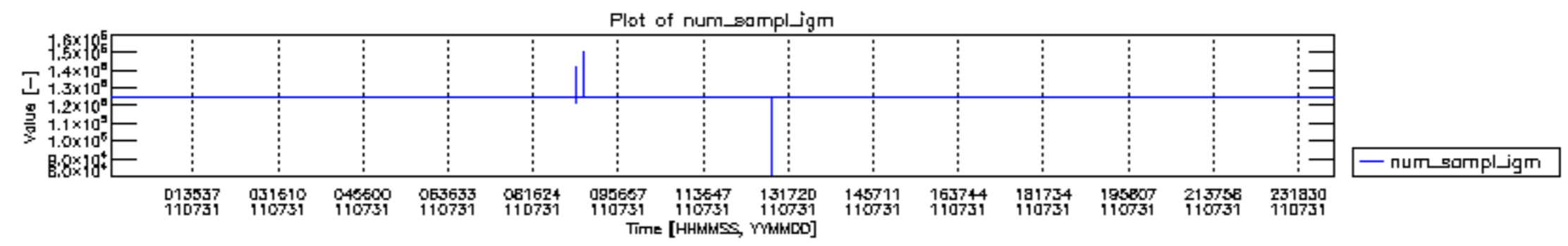
0	MIP_NL__0PNPDE20110731_005301_000057433105_00088_49240_9341.N1	0	1
1	MIP_NL__0PNPDE20110731_022733_000046043105_00089_49241_9342.N1	0	1
2	MIP_NL__0PNPDE20110731_034344_000060983105_00090_49242_9343.N1	0	1
3	MIP_NL__0PNPDE20110731_052448_000060413105_00091_49243_9344.N1	0	1
4	MIP_NL__0PNPDK20110731_070456_000040533105_00092_49244_5918.N1	0	1
5	MIP_NL__0PNPDK20110731_081155_000061953105_00093_49245_5919.N1	0	1
6	MIP_NL__0PNPDK20110731_095426_000059433105_00094_49246_5920.N1	0	2
7	MIP_NL__0PNPDK20110731_113250_000059903105_00095_49247_5921.N1	0	2
8	MIP_NL__0PNPDK20110731_131209_000058973105_00096_49248_5922.N1	0	2
9	MIP_NL__0PNPDK20110731_144946_000058623105_00097_49249_5923.N1	0	2
10	MIP_NL__0PNPDK20110731_162642_000058393105_00098_49250_5924.N1	0	2
11	MIP_NL__0PNPDK20110731_180305_000059853105_00099_49251_5925.N1	0	2
12	MIP_NL__0PNPDE20110731_194120_000041933105_00100_49252_9345.N1	0	2
13	MIP_NL__0PNPDE20110731_205010_000063993105_00100_49252_9346.N1	0	2
14	MIP_NL__0PNPDE20110731_223550_000059703105_00101_49253_9347.N1	0	2

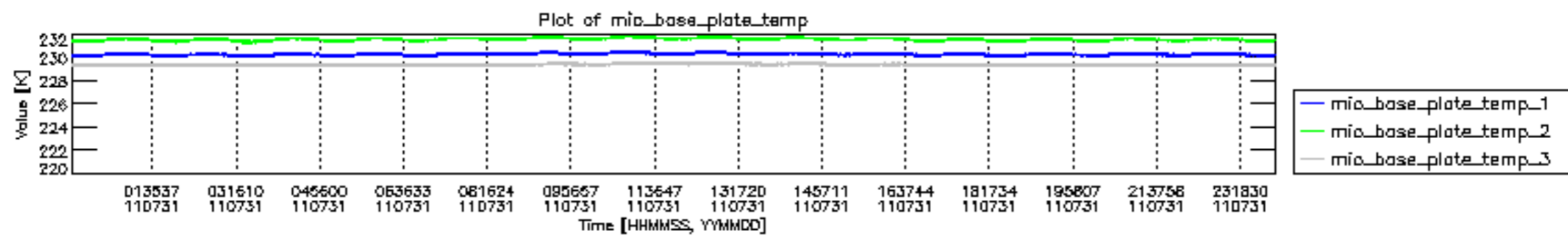


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110731\_12.PNG

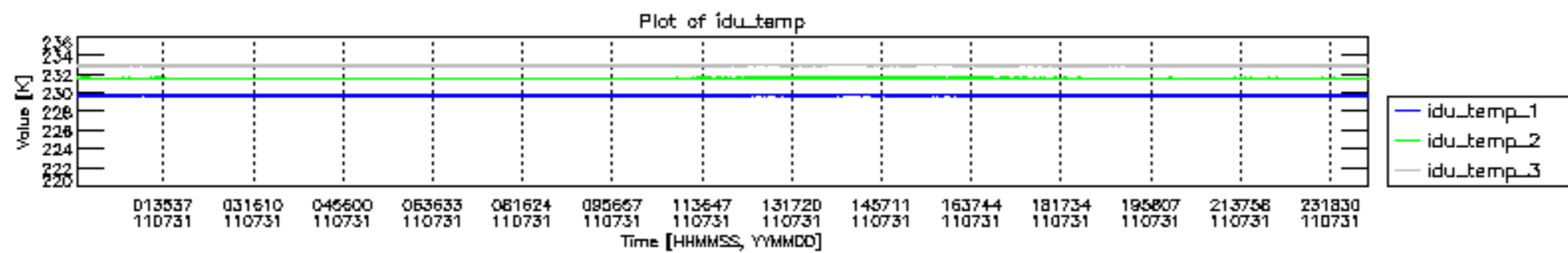


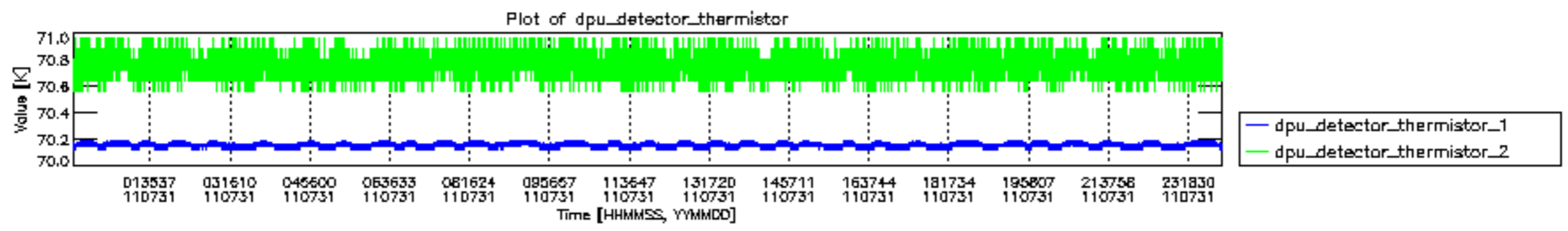
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110731\_13.PNG

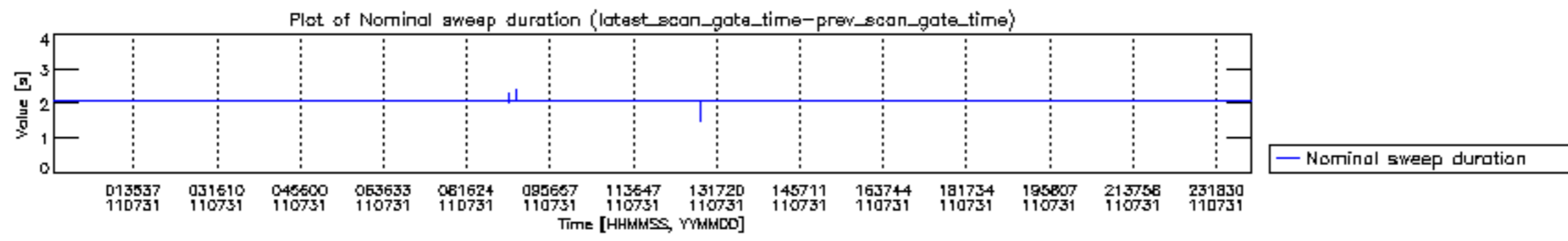


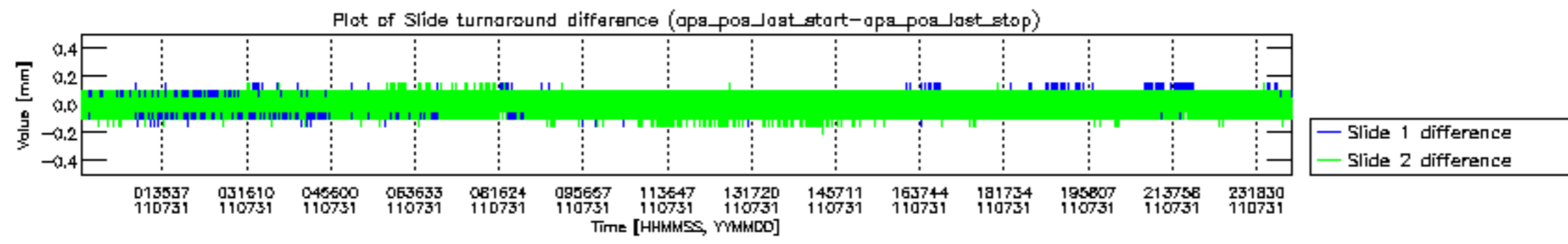


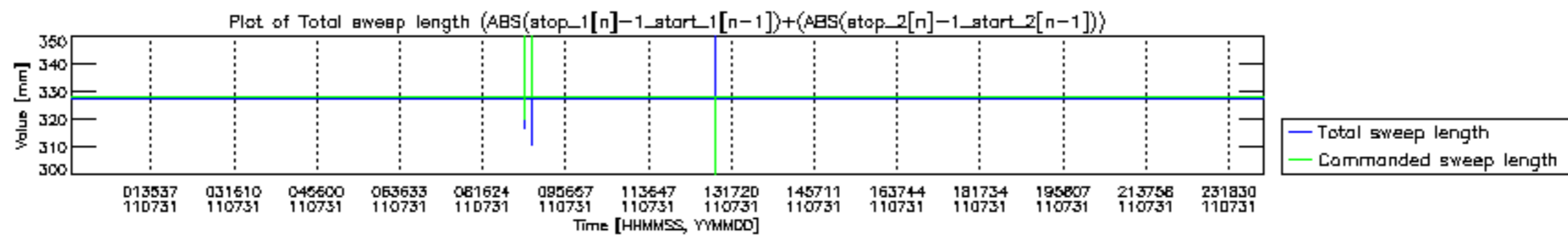


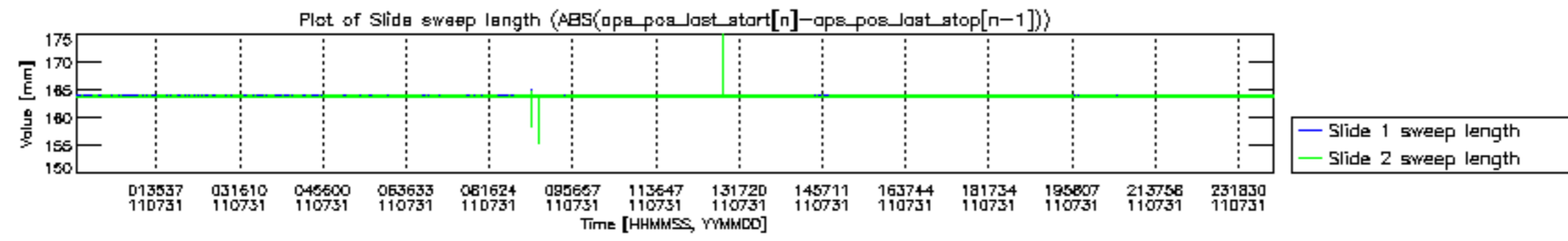


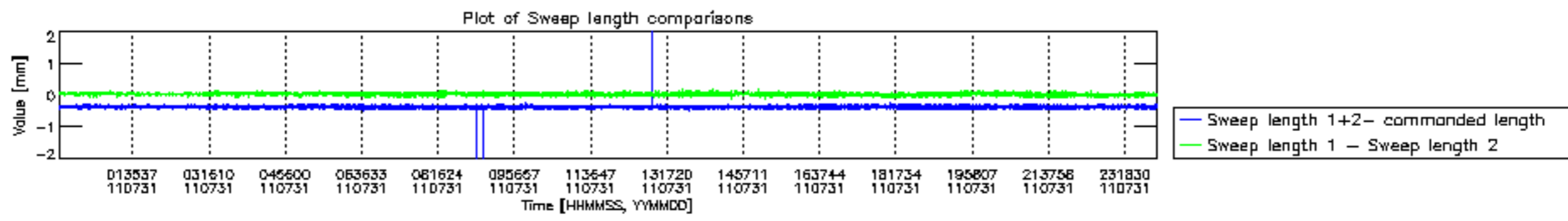


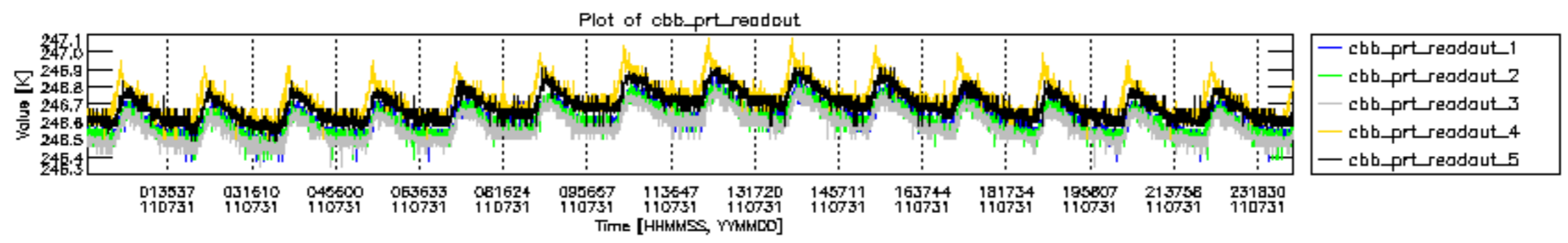




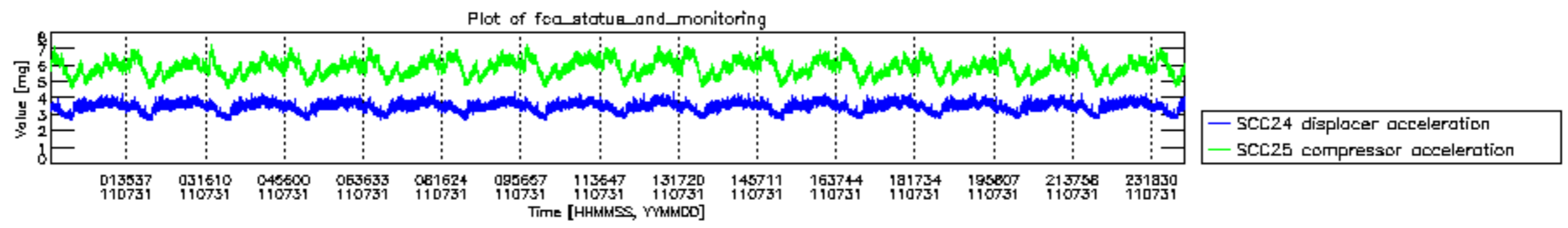












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

