

## 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	26JUL2011 05:29:45
Data source version	KSPT_L0/4504-N
Processing scope for products	21JUL2011 00:00:00 to 22JUL2011 00:00:00
Start time of first product within scope	21JUL2011 01:55:03
Stop time of last product within scope	22JUL2011 01:21:54
Total number of level 0 products	12
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__0PNPDE20110721_015503_000044873104_00376_49097_9278.N1	21JUL2011 01:55:03	21JUL2011 03:09:50	0	0	0	0	0
1	MIP_NL__0PNPDK20110721_063118_000041153104_00379_49100_5828.N1	21JUL2011 06:31:18	21JUL2011 07:39:53	0	0	0	0	0
2	MIP_NL__0PNPDK20110721_073920_000061213104_00380_49101_5829.N1	21JUL2011 07:39:20	21JUL2011 09:21:21	0	0	0	0	0
3	MIP_NL__0PNPDK20110721_092037_000059413104_00381_49102_5830.N1	21JUL2011 09:20:37	21JUL2011 10:59:38	0	0	0	0	0
4	MIP_NL__0PNPDK20110721_105854_000060203104_00382_49103_5831.N1	21JUL2011 10:58:54	21JUL2011 12:39:14	0	0	0	0	0
5	MIP_NL__0PNPDK20110721_123830_000059393104_00383_49104_5832.N1	21JUL2011 12:38:30	21JUL2011 14:17:29	0	0	0	0	0
6	MIP_NL__0PNPDK20110721_141647_000058643104_00384_49105_5833.N1	21JUL2011 14:16:47	21JUL2011 15:54:31	0	0	0	0	0
7	MIP_NL__0PNPDK20110721_155358_000058583104_00385_49106_5834.N1	21JUL2011 15:53:58	21JUL2011 17:31:35	0	0	0	0	0
8	MIP_NL__0PNPDK20110721_173039_000059873104_00386_49107_5835.N1	21JUL2011 17:30:39	21JUL2011 19:10:26	0	0	0	0	0
9	MIP_NL__0PNPDK20110721_190934_000059453104_00387_49108_5836.N1	21JUL2011 19:09:34	21JUL2011 20:48:39	0	0	0	0	0
10	MIP_NL__0PNPDE20110721_204703_000044703104_00388_49109_9281.N1	21JUL2011 20:47:03	21JUL2011 22:01:34	0	0	0	0	0
11	MIP_NL__0PNPDE20110721_234148_000060063104_00389_49110_9283.N1	21JUL2011 23:41:48	22JUL2011 01:21:54	0	0	0	0	0

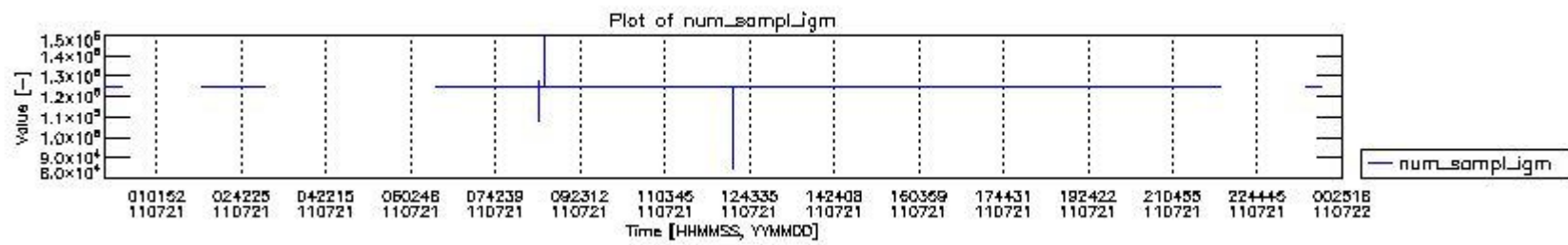
## 0.2 Instrument Operational Performance Parameters

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.

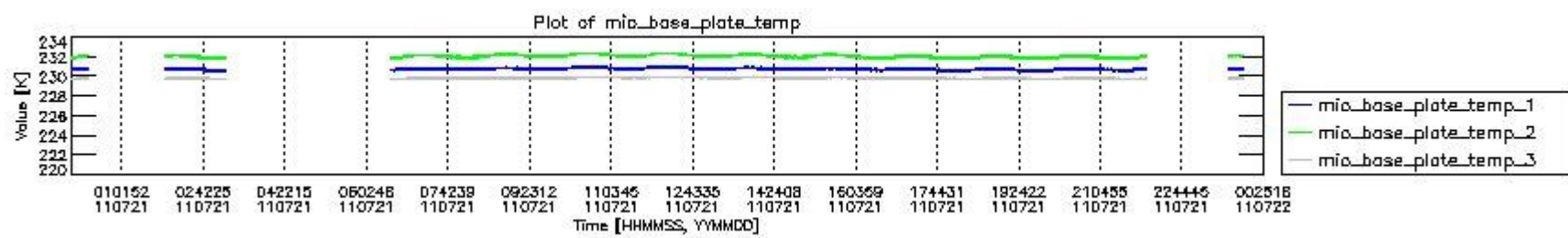
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
84378	1	0.0033161996
94523	1	0.0033161996
107830	1	0.0033161996
110992	1	0.0033161996
114655	1	0.0033161996
124800	28011	92.890068

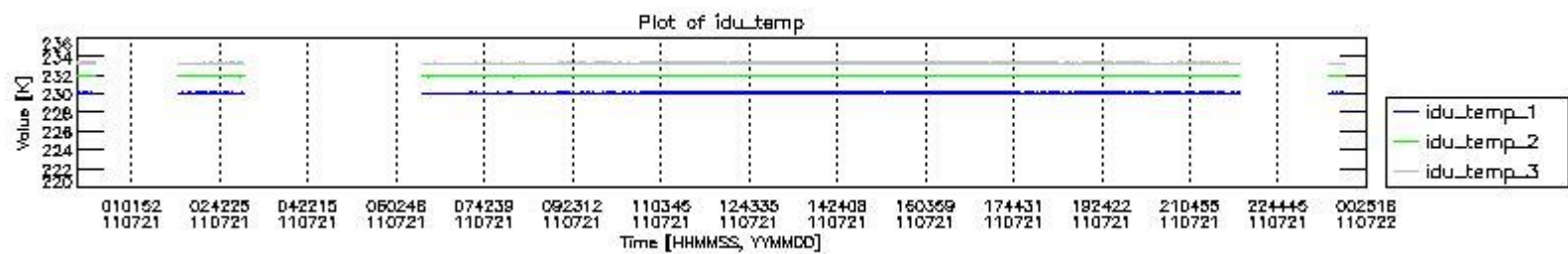
124803	2135	7.0800862
127233	1	0.0033161996
127962	1	0.0033161996
147365	1	0.0033161996
149798	1	0.0033161996



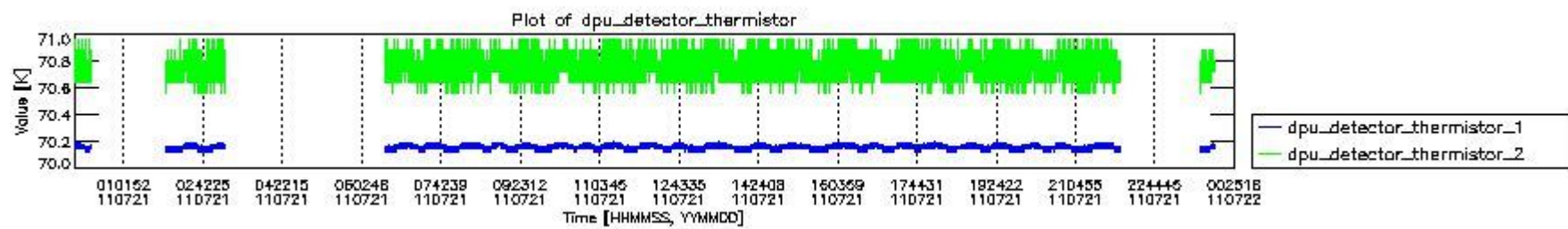
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110721\_0.PNG



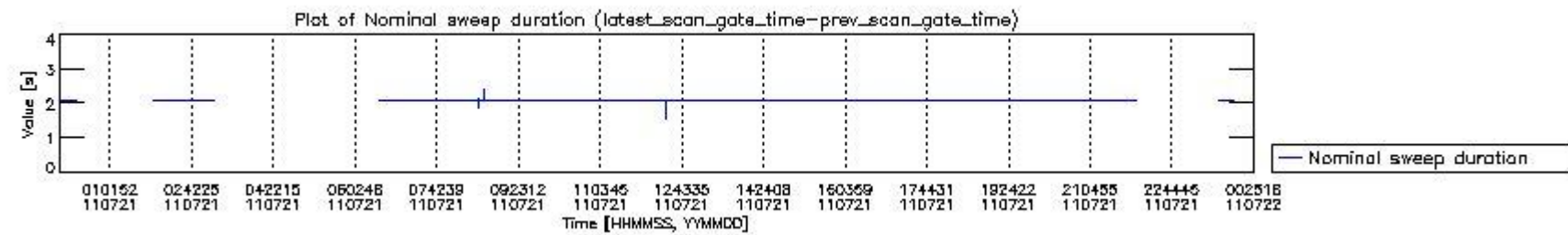
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110721\_1.PNG



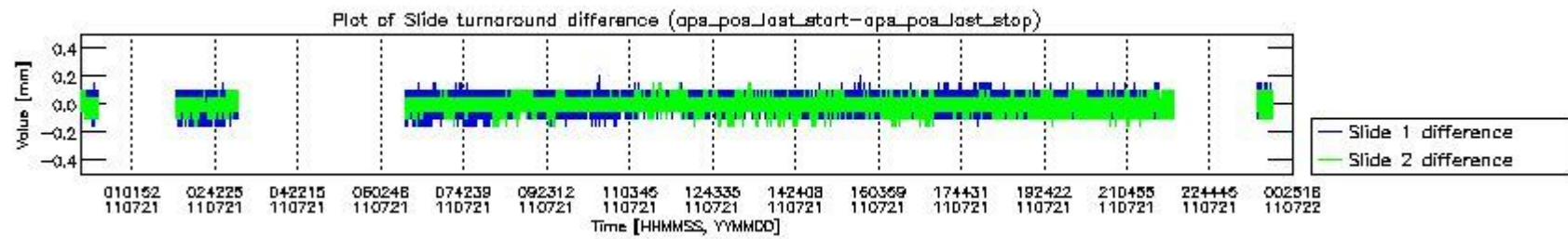
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110721\_2.PNG



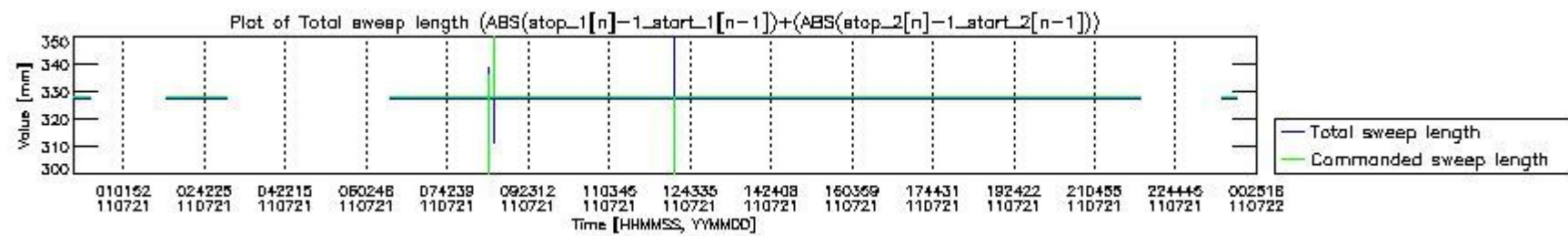
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110721\_3.PNG



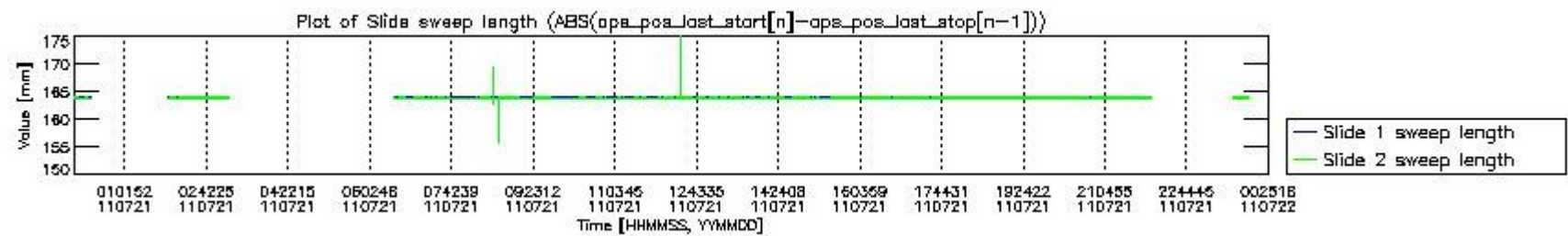
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110721\_4.PNG



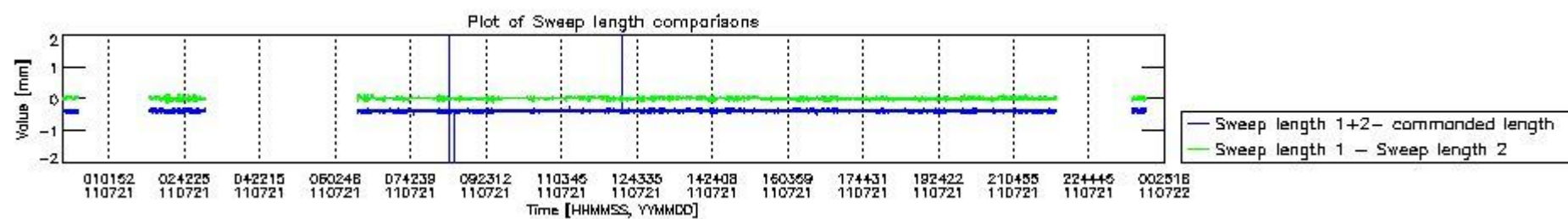
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110721\_5.PNG



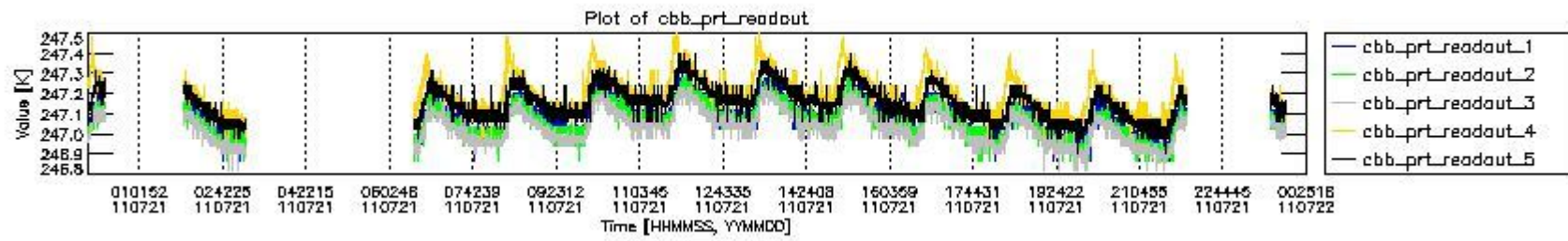
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110721\_6.PNG



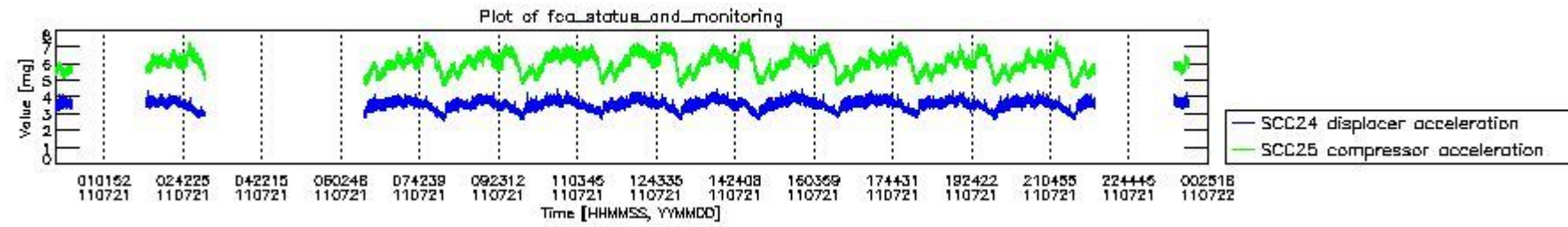
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110721\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110721\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110721\_9.PNG

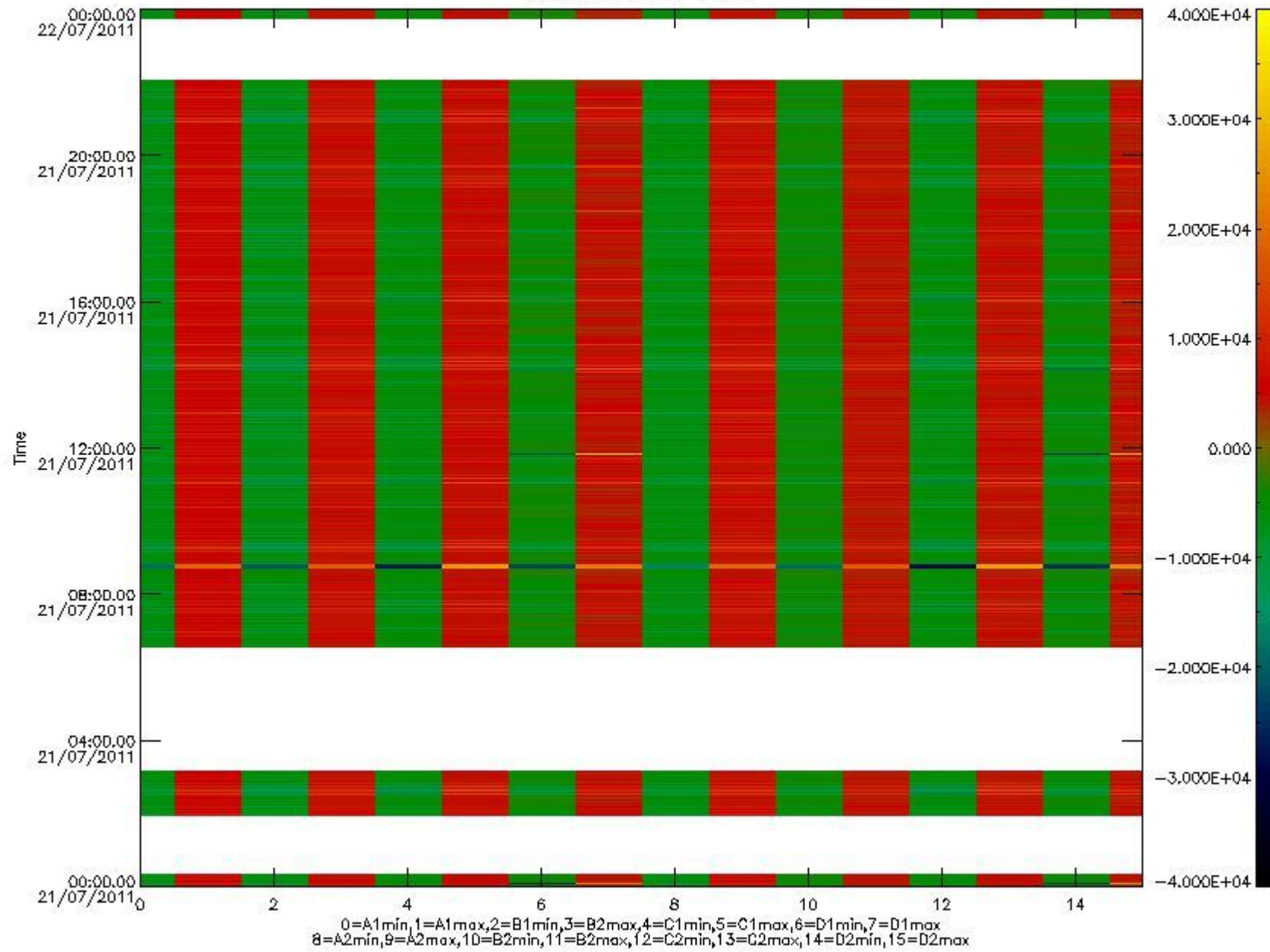


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110721\_10.PNG

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

Channel	Min	Max	ADC
A1	-18755	19894	16bit
B1	-21528	18428	16bit
C1	-27455	27353	16bit
D1	-32768	32767	16bit
A2	-16209	20086	16bit
B2	-19857	19424	16bit
C2	-28513	28158	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\_20110721\_11.PNG

### 0.3 ADF monitoring

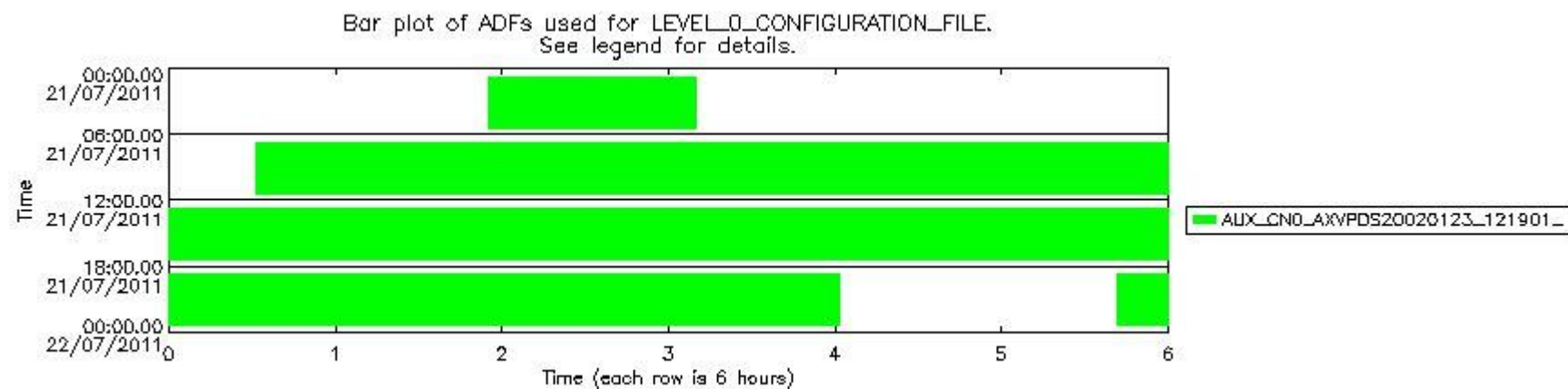
The use of ADFs is shown in two ways:

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.

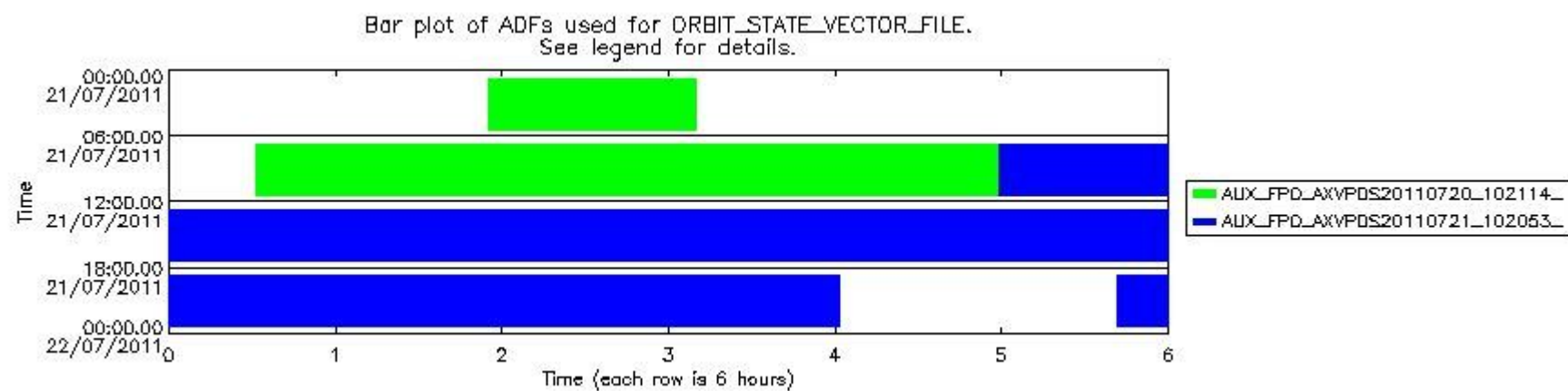
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110720_102114_20110719_182547_20110729_203934
2	AUX_FPO_AXVPDS20110721_102053_20110720_192917_20110730_200250

Number	Product name	#CN0	#FPO
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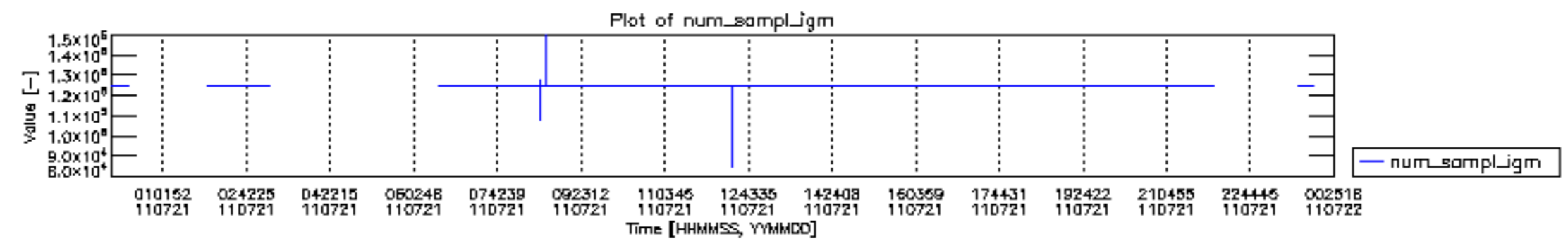
0	MIP_NL__0PNPDE20110721_015503_000044873104_00376_49097_9278.N1	0	1
1	MIP_NL__0PNPDK20110721_063118_000041153104_00379_49100_5828.N1	0	1
2	MIP_NL__0PNPDK20110721_073920_000061213104_00380_49101_5829.N1	0	1
3	MIP_NL__0PNPDK20110721_092037_000059413104_00381_49102_5830.N1	0	1
4	MIP_NL__0PNPDK20110721_105854_000060203104_00382_49103_5831.N1	0	2
5	MIP_NL__0PNPDK20110721_123830_000059393104_00383_49104_5832.N1	0	2
6	MIP_NL__0PNPDK20110721_141647_000058643104_00384_49105_5833.N1	0	2
7	MIP_NL__0PNPDK20110721_155358_000058583104_00385_49106_5834.N1	0	2
8	MIP_NL__0PNPDK20110721_173039_000059873104_00386_49107_5835.N1	0	2
9	MIP_NL__0PNPDK20110721_190934_000059453104_00387_49108_5836.N1	0	2
10	MIP_NL__0PNPDE20110721_204703_000044703104_00388_49109_9281.N1	0	2
11	MIP_NL__0PNPDE20110721_234148_000060063104_00389_49110_9283.N1	0	2

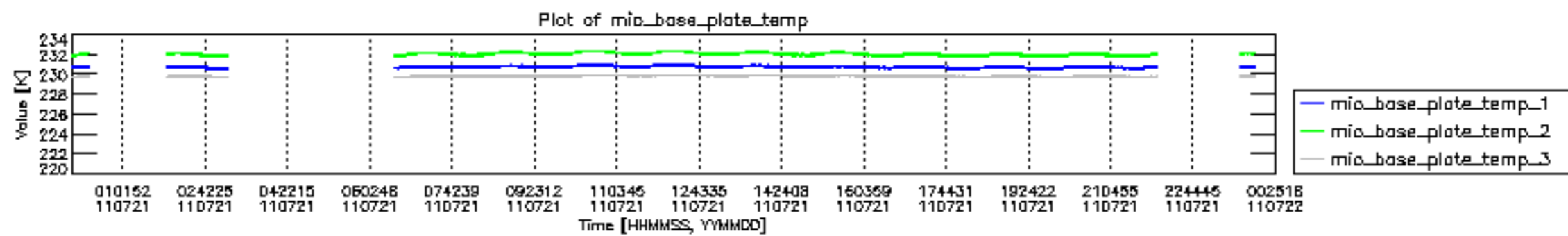


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110721\_12.PNG

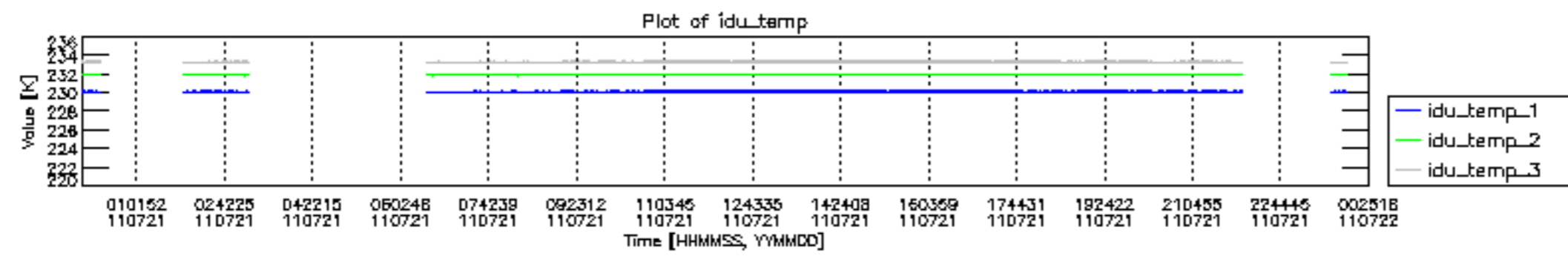


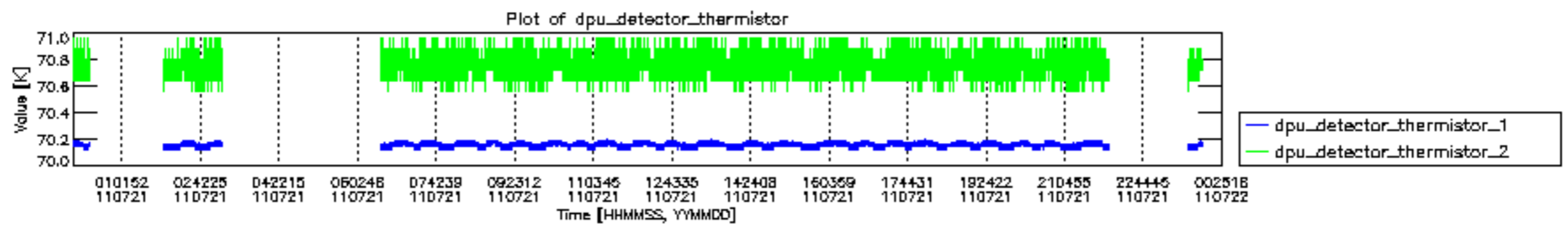
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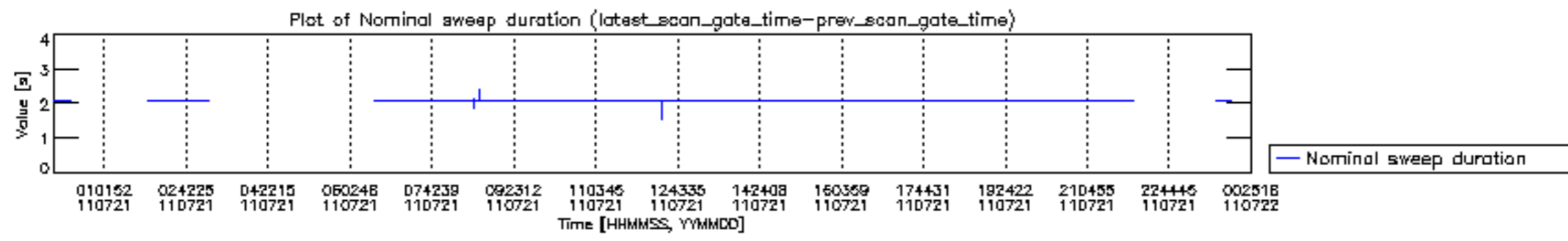


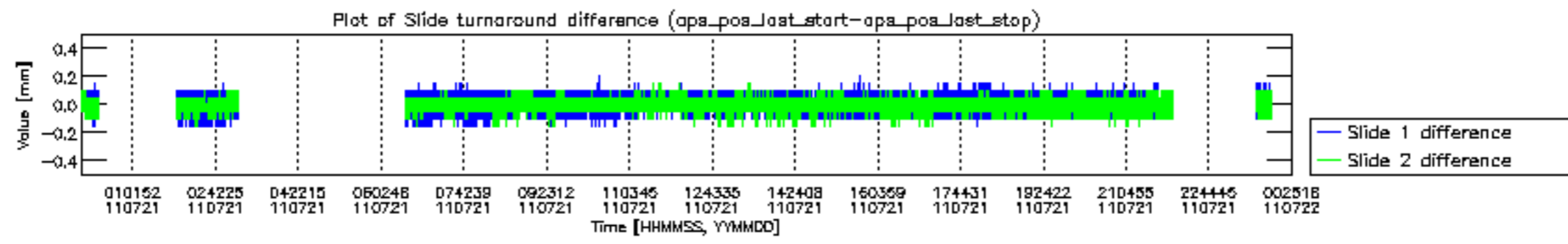


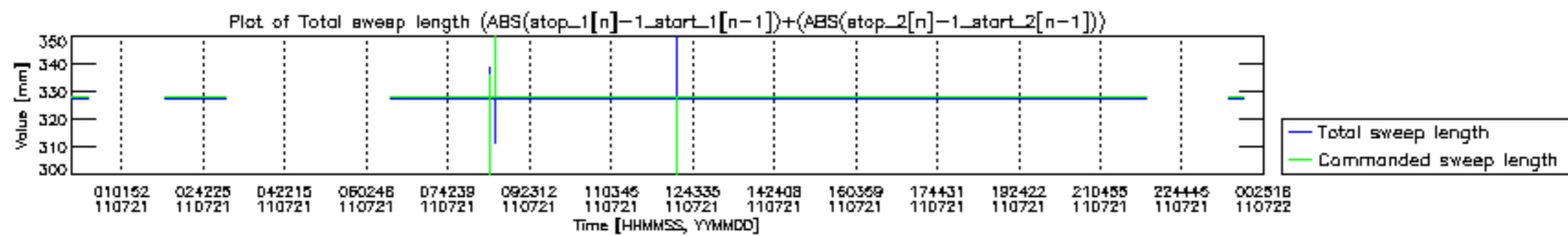


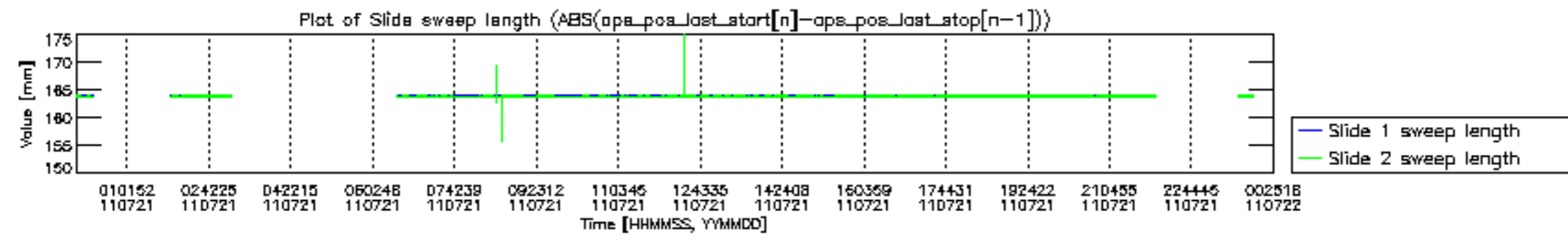


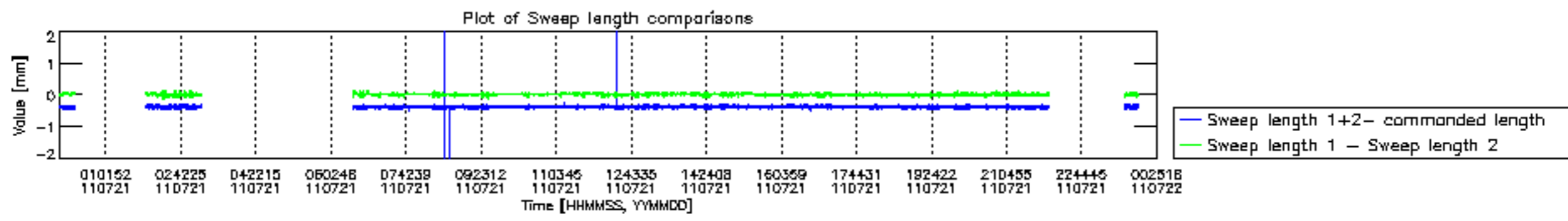


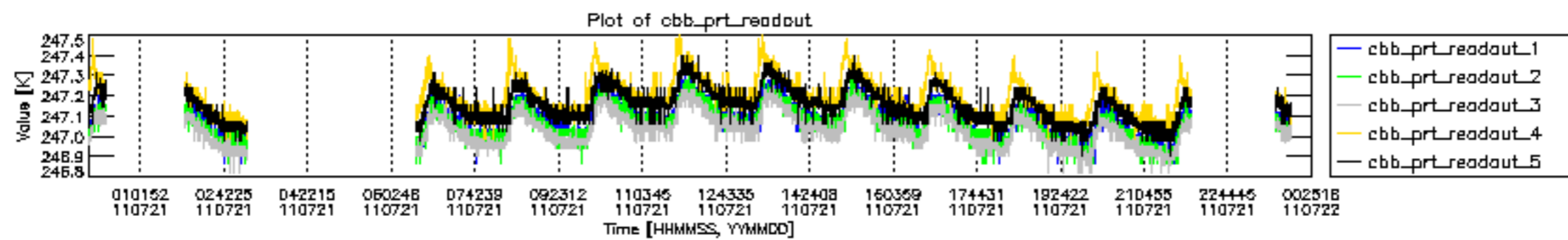




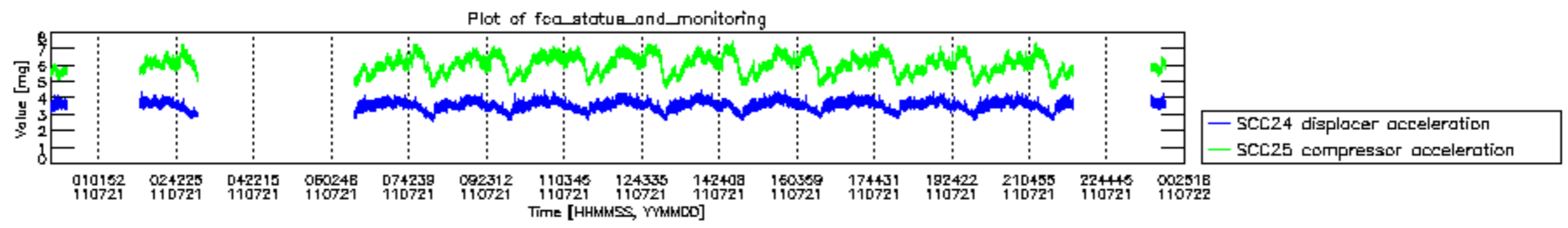












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.



