

## 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	25APR2011 05:24:15
Data source version	KSPT_L0/4504-N
Processing scope for products	20APR2011 00:00:00 to 21APR2011 00:00:00
Start time of first product within scope	20APR2011 01:28:19
Stop time of last product within scope	21APR2011 00:55:35
Total number of level 0 products	14
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__0PNPDE20110420_012819_000044573101_00347_47775_3468.N1	20APR2011 01:28:19	20APR2011 02:42:36	0	0	0	0	0
1	MIP_NL__0PNPDE20110420_014953_000031633101_00348_47776_3479.N1	20APR2011 01:49:53	20APR2011 02:42:36	0	0	0	0	0
2	MIP_NL__0PNPDE20110420_024202_000061043101_00348_47776_3469.N1	20APR2011 02:42:02	20APR2011 04:23:47	0	0	0	0	0
3	MIP_NL__0PNPDE20110420_042313_000060523101_00349_47777_3470.N1	20APR2011 04:23:13	20APR2011 06:04:05	0	0	0	0	0
4	MIP_NL__0PNPDK20110420_060332_000041383101_00350_47778_4899.N1	20APR2011 06:03:32	20APR2011 07:12:30	0	0	0	0	0
5	MIP_NL__0PNPDK20110420_071146_000060673101_00351_47779_4900.N1	20APR2011 07:11:46	20APR2011 08:52:53	0	0	0	0	0
6	MIP_NL__0PNPDK20110420_085218_000059583101_00352_47780_4901.N1	20APR2011 08:52:18	20APR2011 10:31:36	0	0	0	0	0
7	MIP_NL__0PNPDK20110420_103052_000060713101_00353_47781_4902.N1	20APR2011 10:30:52	20APR2011 12:12:03	0	0	0	0	0
8	MIP_NL__0PNPDK20110420_121129_000058833101_00354_47782_4903.N1	20APR2011 12:11:29	20APR2011 13:49:32	0	0	0	0	0
9	MIP_NL__0PNPDK20110420_134848_000058933101_00355_47783_4904.N1	20APR2011 13:48:48	20APR2011 15:27:02	0	0	0	0	0
10	MIP_NL__0PNPDK20110420_170314_000058933101_00357_47785_4906.N1	20APR2011 17:03:14	20APR2011 18:41:27	0	0	0	0	0
11	MIP_NL__0PNPDE20110420_202114_000043663101_00359_47787_3471.N1	20APR2011 20:21:14	20APR2011 21:34:00	0	0	0	0	0
12	MIP_NL__0PNPDE20110420_213255_000061293101_00359_47787_3472.N1	20APR2011 21:32:55	20APR2011 23:15:04	0	0	0	0	0
13	MIP_NL__0PNPDE20110420_231408_000060873101_00360_47788_3473.N1	20APR2011 23:14:08	21APR2011 00:55:35	0	0	0	0	0

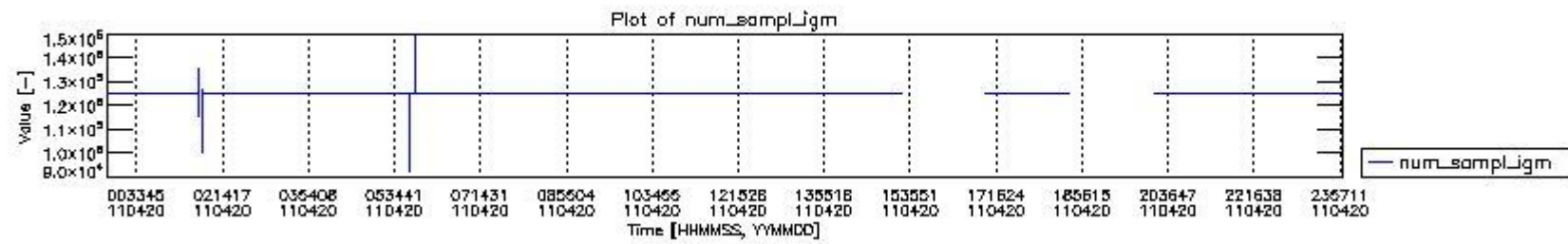
## 0.2 Instrument Operational Performance Parameters

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.

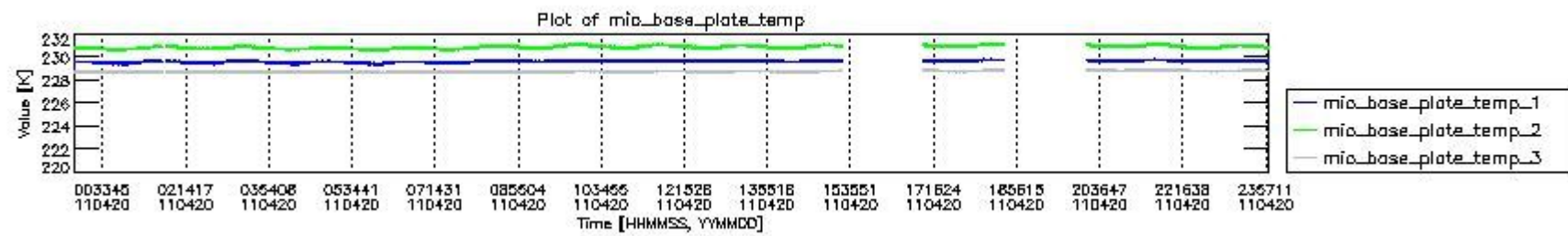
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
92704	1	0.0027979855
98686	1	0.0027979855
100632	1	0.0027979855
115264	1	0.0027979855

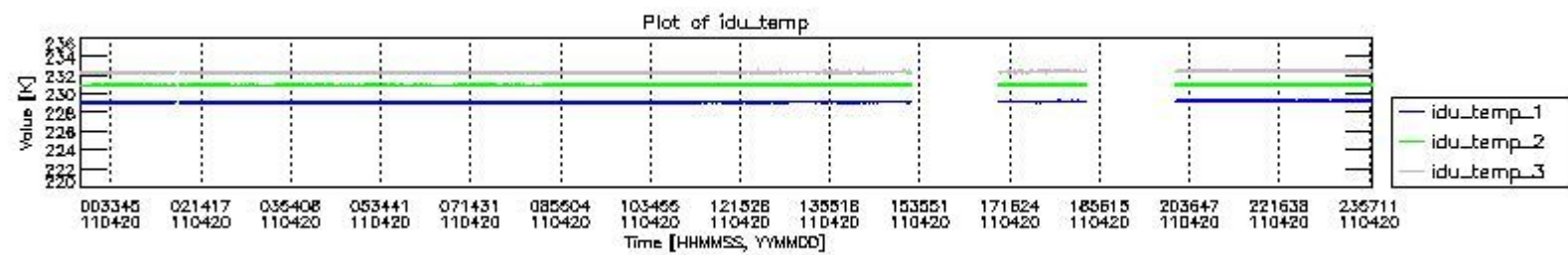
118818	1	0.0027979855
124800	33210	92.921097
124803	2518	7.0453274
125860	1	0.0027979855
125884	1	0.0027979855
126968	1	0.0027979855
127308	1	0.0027979855
135396	1	0.0027979855
147440	1	0.0027979855
149948	1	0.0027979855



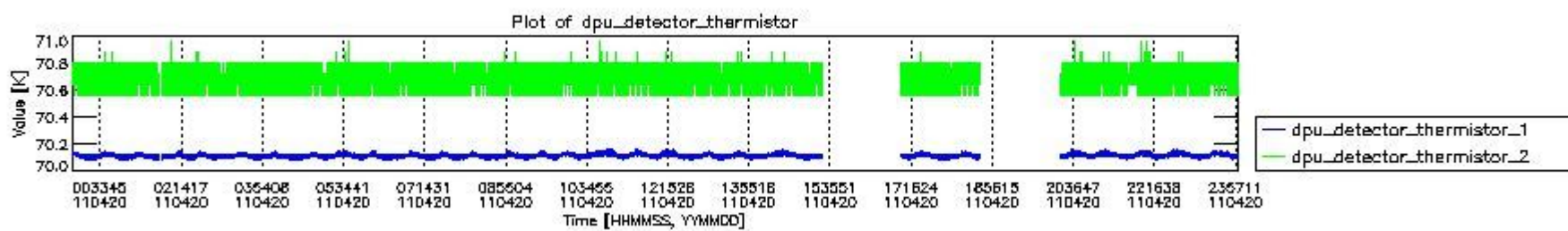
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110420\_0.PNG



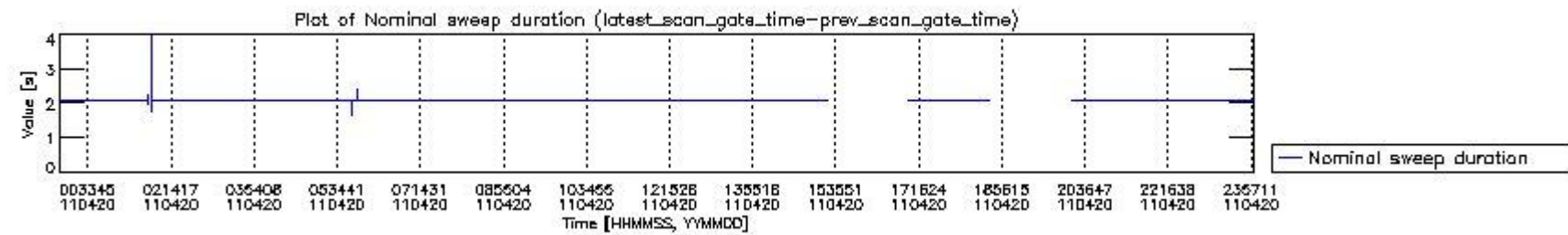
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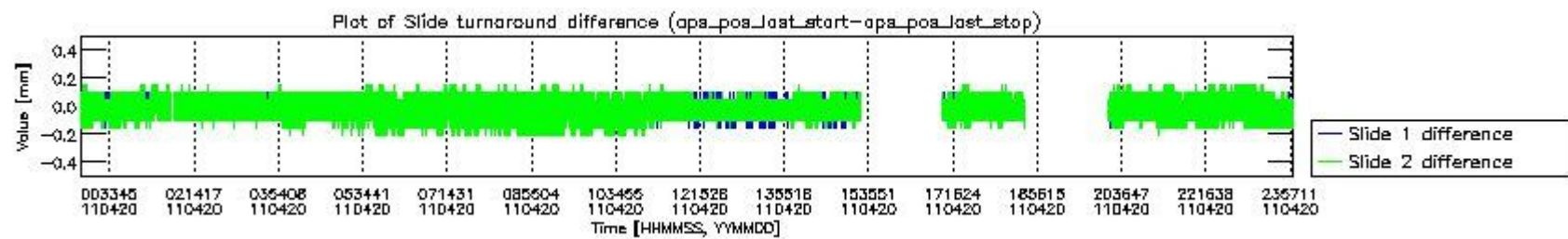
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110420\_2.PNG



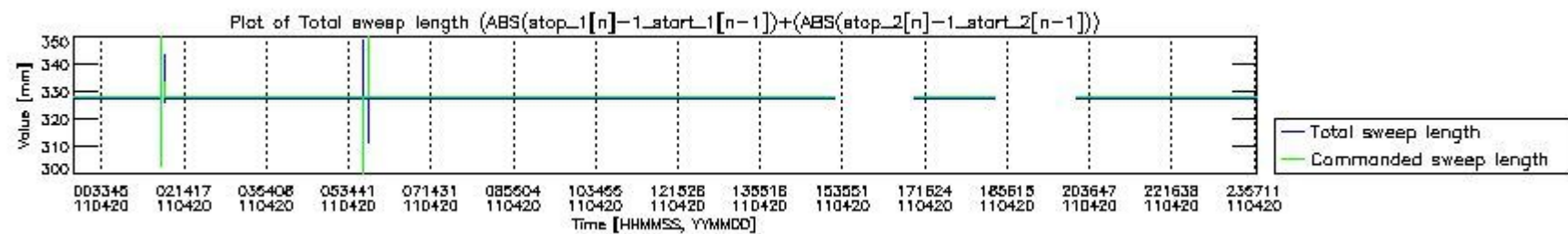
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110420\_3.PNG



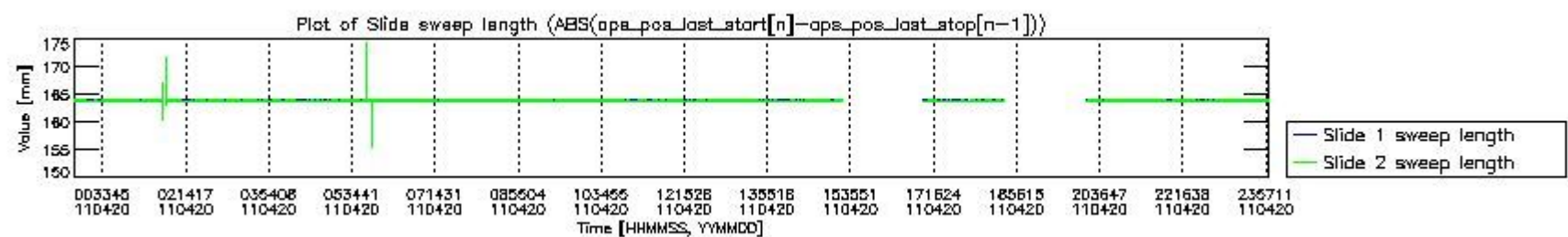
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110420\_4.PNG



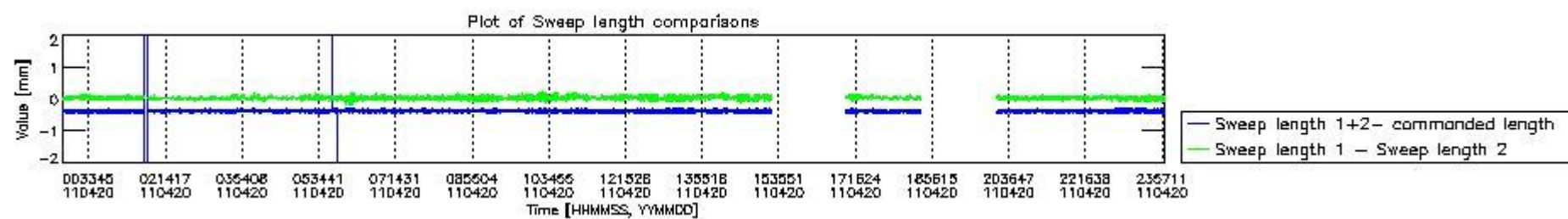
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110420\_5.PNG



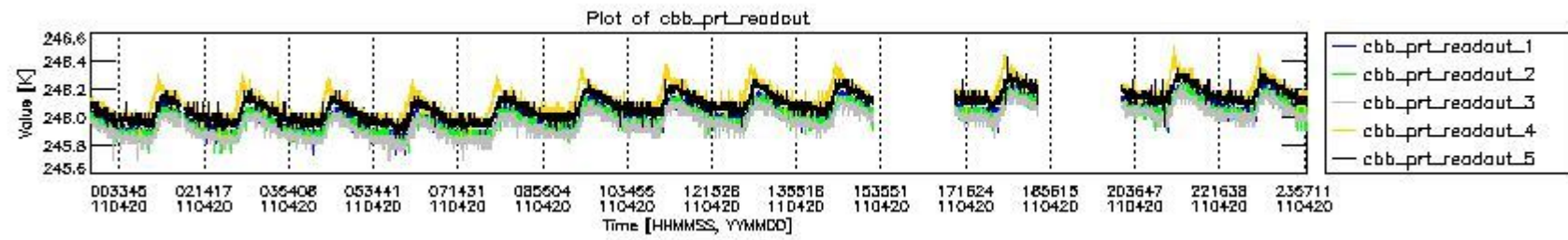
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110420\_6.PNG



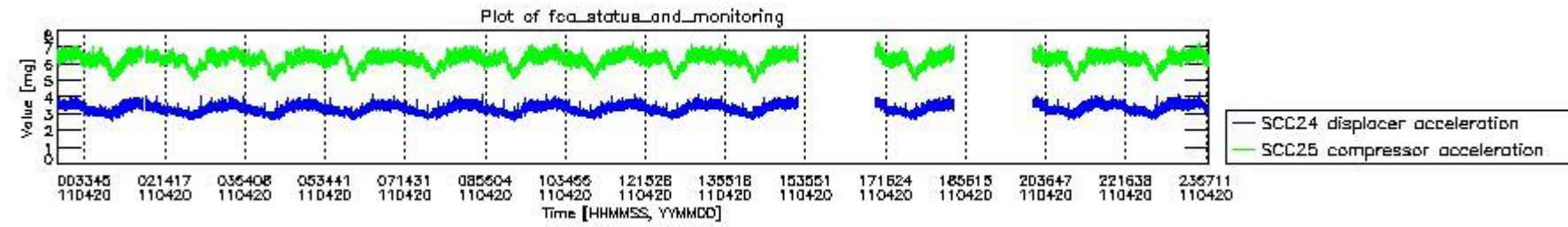
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110420\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110420\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110420\_9.PNG



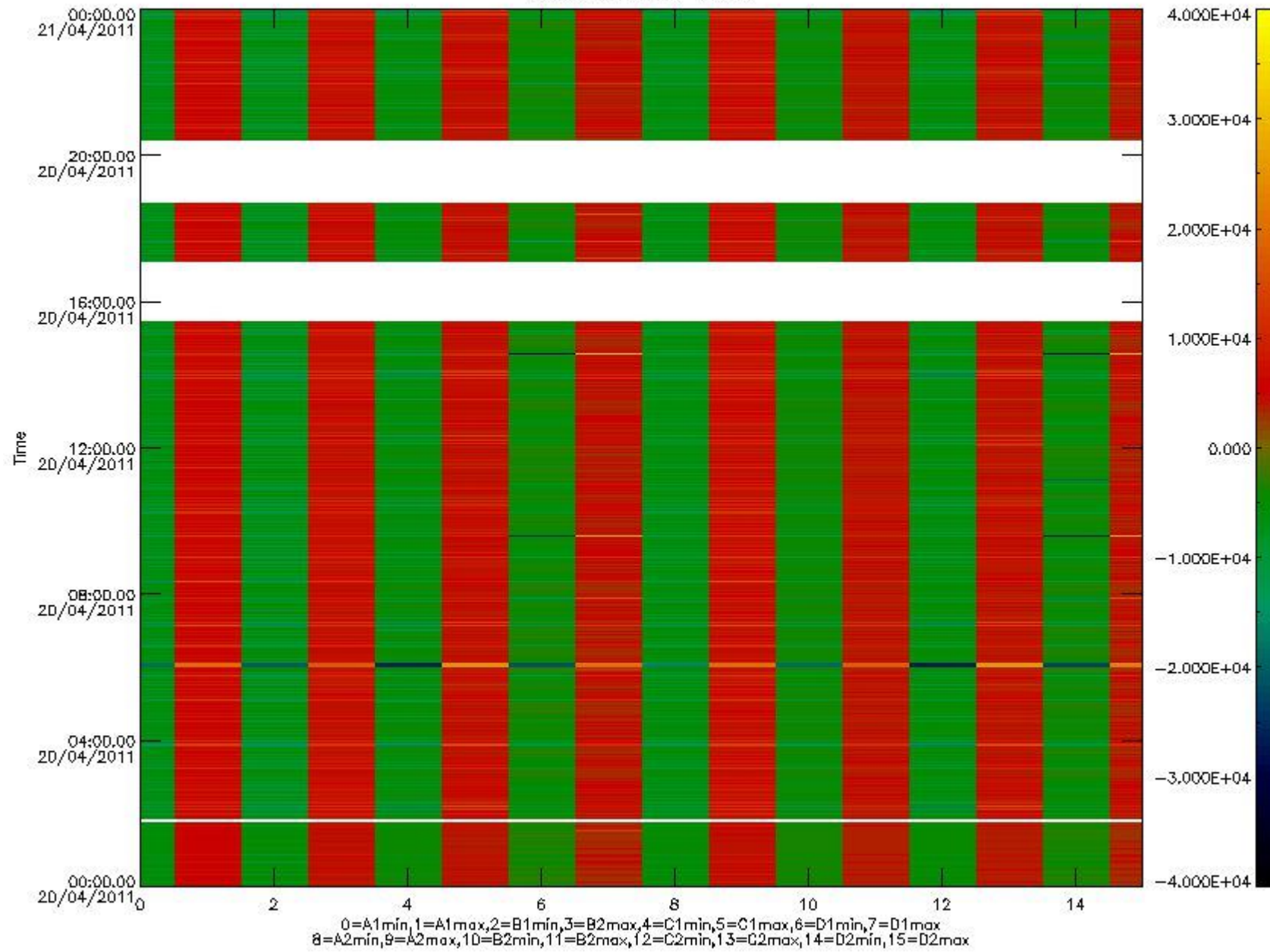
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110420\_10.PNG

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

Channel	Min	Max	ADC
A1	-18914	20341	16bit
B1	-21390	18170	16bit
C1	-25979	25886	16bit
D1	-32768	32767	16bit
A2	-16280	20453	16bit
B2	-19824	19103	16bit
C2	-26987	26654	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\_20110420\_11.PNG

### 0.3 ADF monitoring

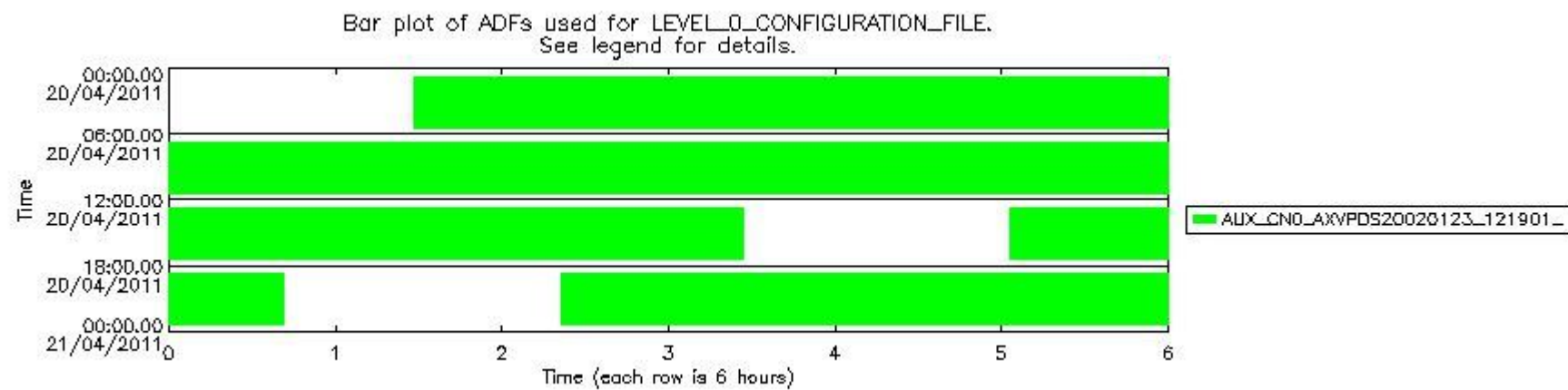
The use of ADFs is shown in two ways:

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.

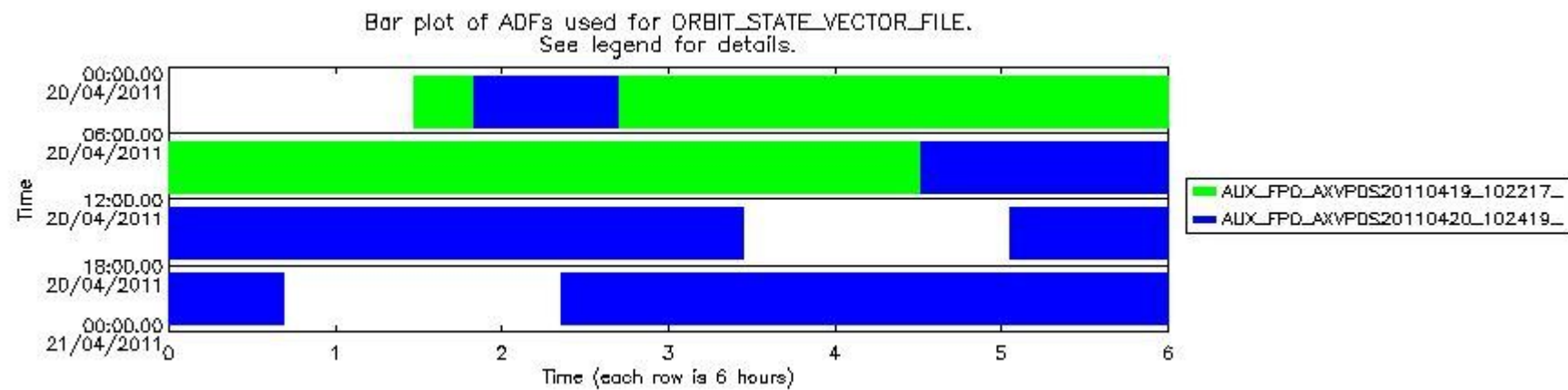
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110419_102217_20110418_193751_20110428_201126
2	AUX_FPO_AXVPDS20110420_102419_20110419_190107_20110429_211455

Number	Product name	#CN0	#FPO
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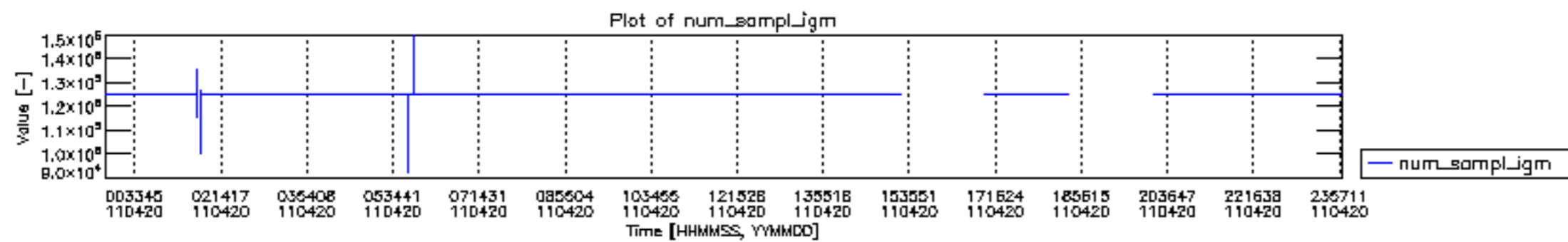
0	MIP_NL__0PNPDE20110420_012819_000044573101_00347_47775_3468.N1	0	1
1	MIP_NL__0PNPDE20110420_014953_000031633101_00348_47776_3479.N1	0	2
2	MIP_NL__0PNPDE20110420_024202_000061043101_00348_47776_3469.N1	0	1
3	MIP_NL__0PNPDE20110420_042313_000060523101_00349_47777_3470.N1	0	1
4	MIP_NL__0PNPDK20110420_060332_000041383101_00350_47778_4899.N1	0	1
5	MIP_NL__0PNPDK20110420_071146_000060673101_00351_47779_4900.N1	0	1
6	MIP_NL__0PNPDK20110420_085218_000059583101_00352_47780_4901.N1	0	1
7	MIP_NL__0PNPDK20110420_103052_000060713101_00353_47781_4902.N1	0	2
8	MIP_NL__0PNPDK20110420_121129_000058833101_00354_47782_4903.N1	0	2
9	MIP_NL__0PNPDK20110420_134848_000058933101_00355_47783_4904.N1	0	2
10	MIP_NL__0PNPDK20110420_170314_000058933101_00357_47785_4906.N1	0	2
11	MIP_NL__0PNPDE20110420_202114_000043663101_00359_47787_3471.N1	0	2
12	MIP_NL__0PNPDE20110420_213255_000061293101_00359_47787_3472.N1	0	2
13	MIP_NL__0PNPDE20110420_231408_000060873101_00360_47788_3473.N1	0	2

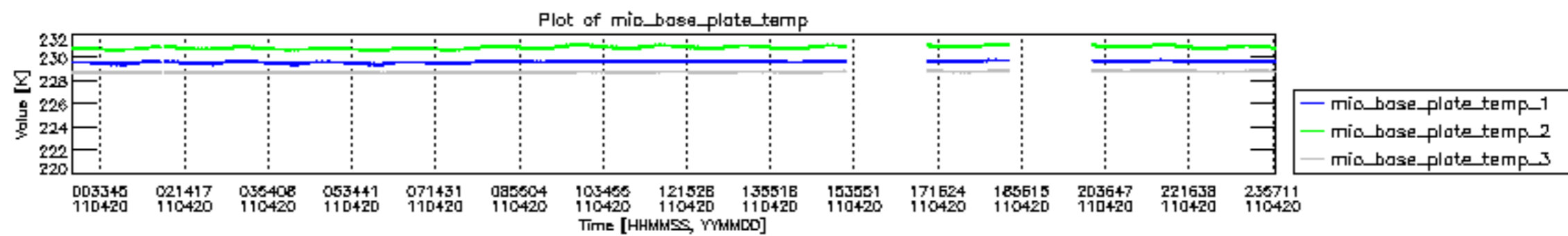


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110420\_12.PNG

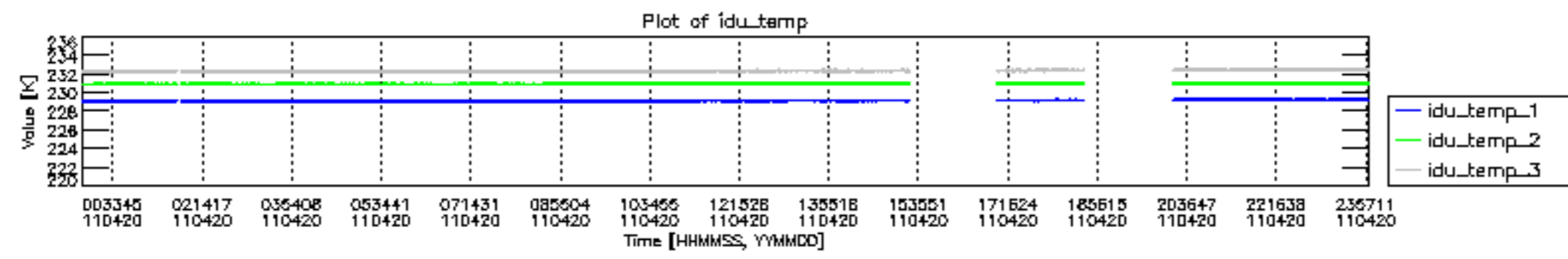


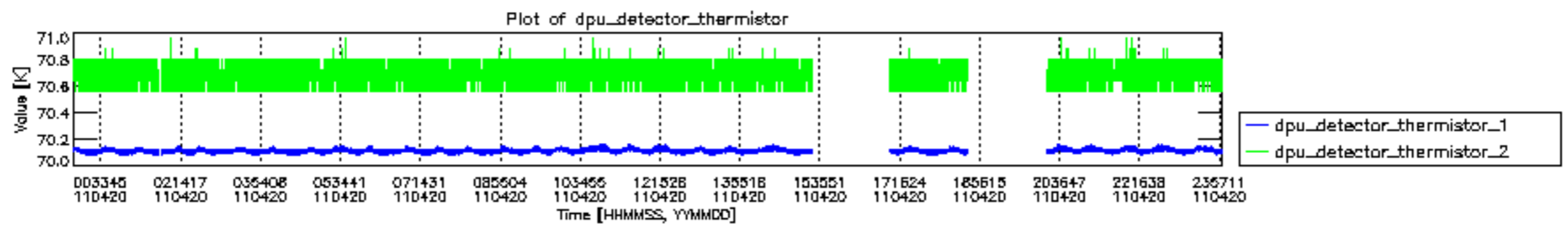
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110420\_13.PNG

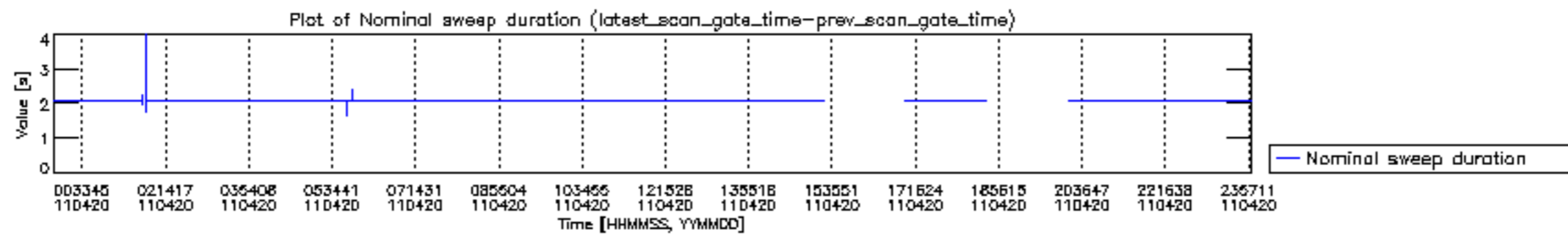


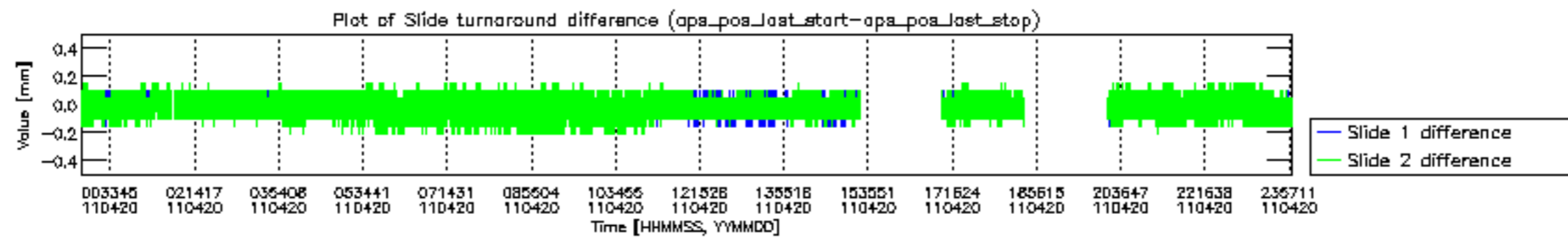


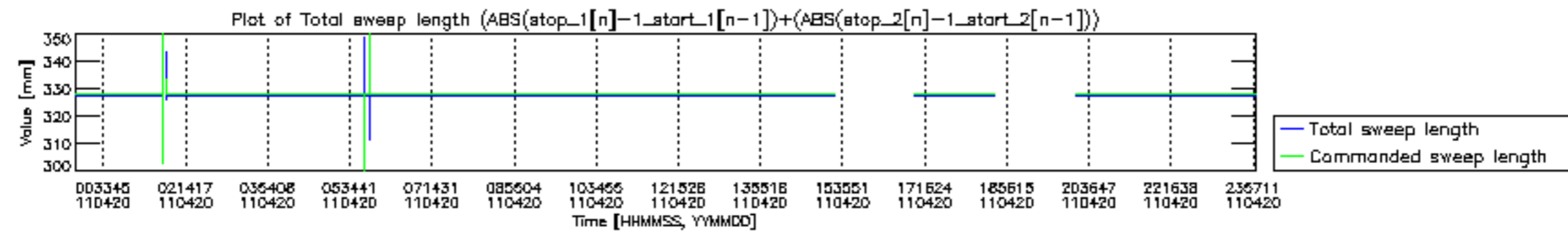




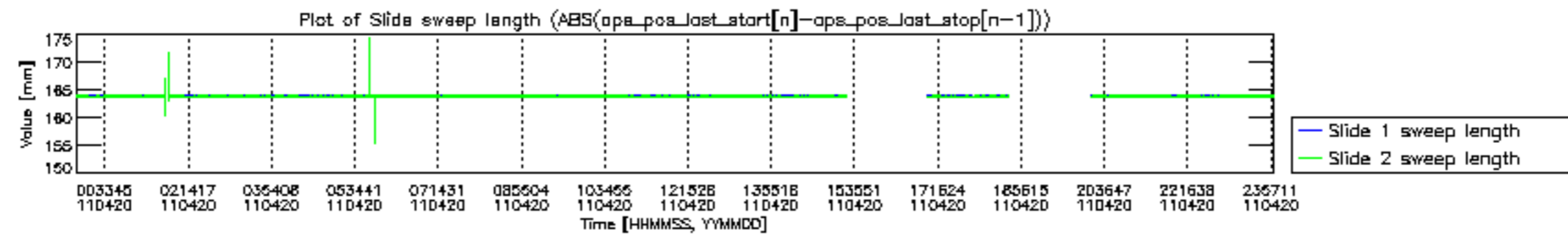


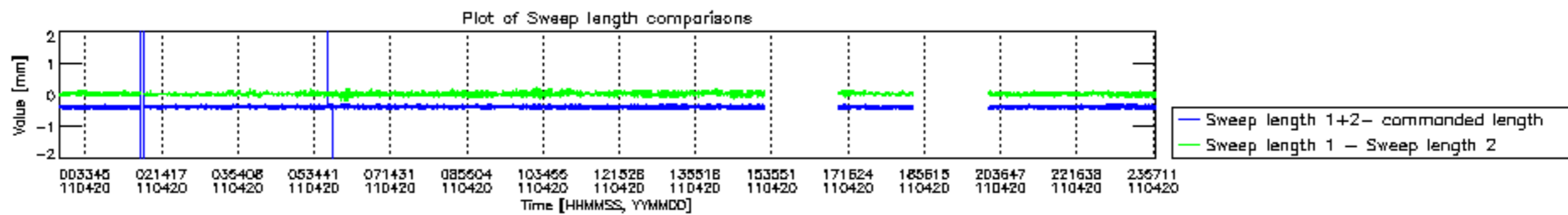


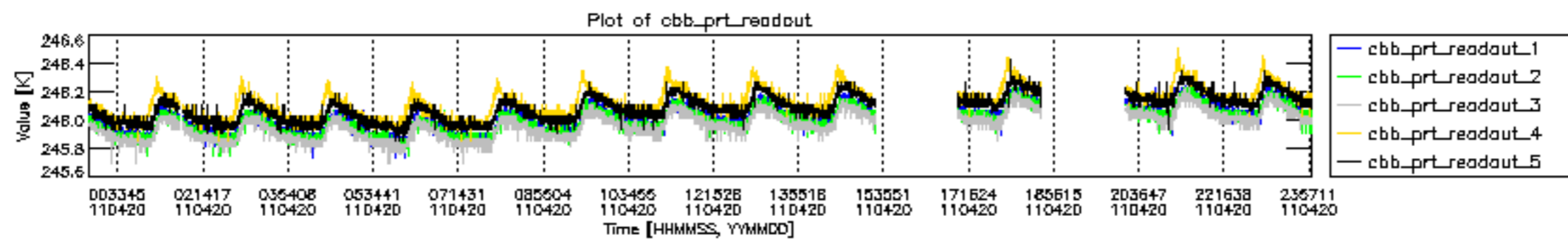


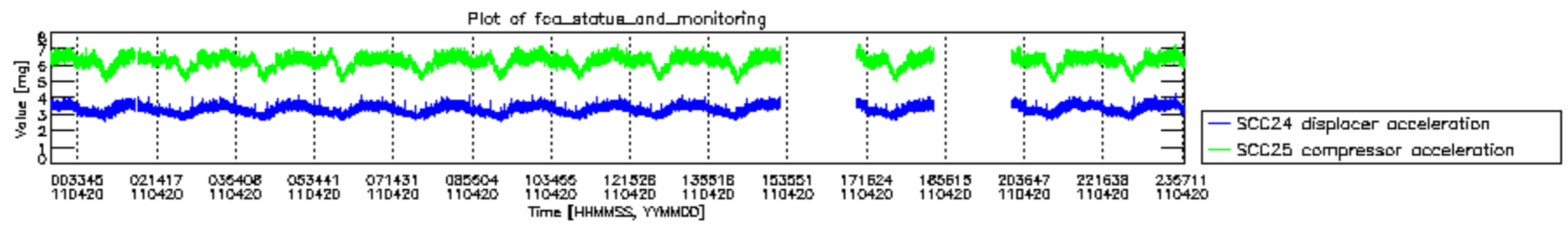












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

