

## 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	18MAY2011 05:23:51
Data source version	KSPT_L0/4504-N
Processing scope for products	13MAY2011 00:00:00 to 14MAY2011 00:00:00
Start time of first product within scope	13MAY2011 00:47:25
Stop time of last product within scope	14MAY2011 00:11:18
Total number of level 0 products	7
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.

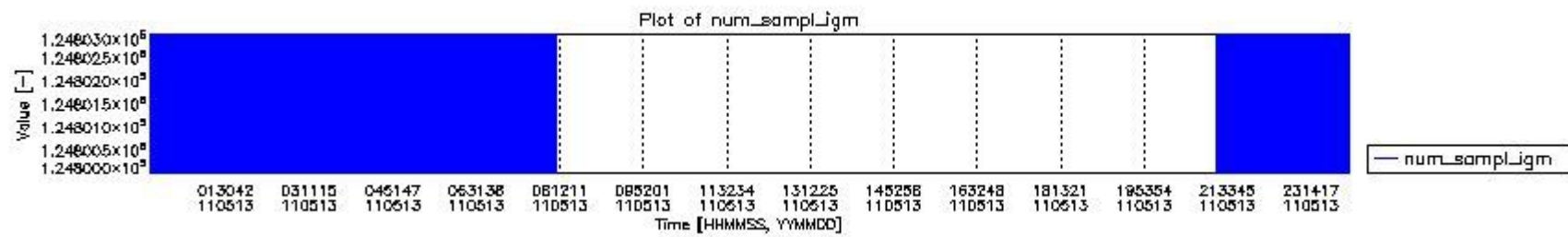
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110513_004725_000057913102_00246_48105_8750.N1	13MAY2011 00:47:25	13MAY2011 02:23:56	0	0	0	0	0
1	MIP_NL__0PNPDE20110513_022258_000046293102_00247_48106_8751.N1	13MAY2011 02:22:58	13MAY2011 03:40:07	0	0	0	0	0
2	MIP_NL__0PNPDE20110513_033933_000061233102_00248_48107_8752.N1	13MAY2011 03:39:33	13MAY2011 05:21:36	0	0	0	0	0
3	MIP_NL__0PNPDE20110513_052101_000059833102_00249_48108_8753.N1	13MAY2011 05:21:01	13MAY2011 07:00:44	0	0	0	0	0
4	MIP_NL__0PNPDK20110513_070011_000040763102_00250_48109_5190.N1	13MAY2011 07:00:11	13MAY2011 08:08:06	0	0	0	0	0
5	MIP_NL__0PNPDE20110513_211841_000043453102_00259_48118_8754.N1	13MAY2011 21:18:41	13MAY2011 22:31:06	0	0	0	0	0
6	MIP_NL__0PNPDE20110513_223010_000060693102_00259_48118_8755.N1	13MAY2011 22:30:10	14MAY2011 00:11:18	0	0	0	0	0

## 0.2 Instrument Operational Performance Parameters

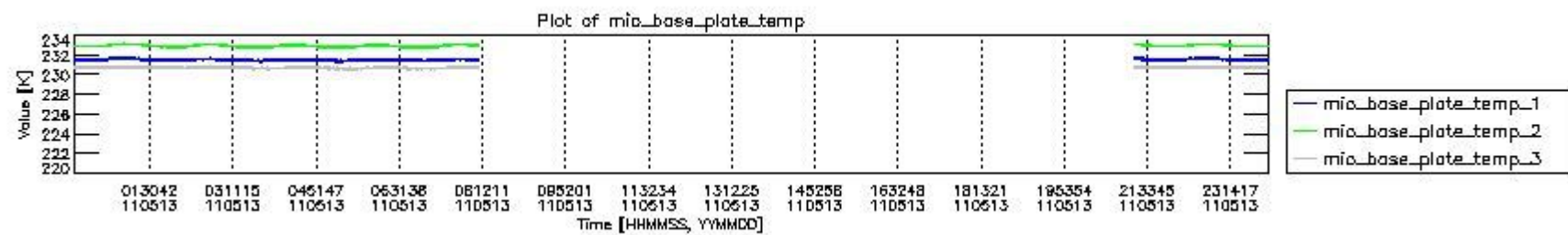
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP\_NL\_\_0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

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

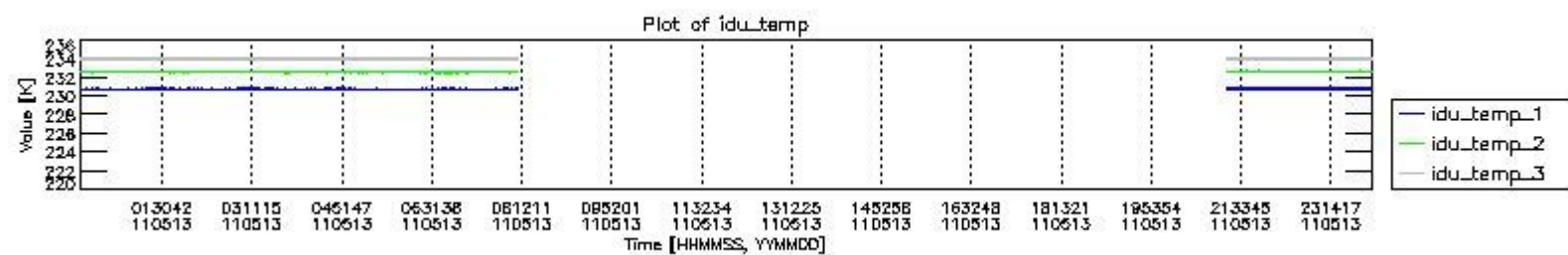
Number of igm samples	Count [#]	Count [%]
124800	17386	92.844174
124803	1340	7.1558261



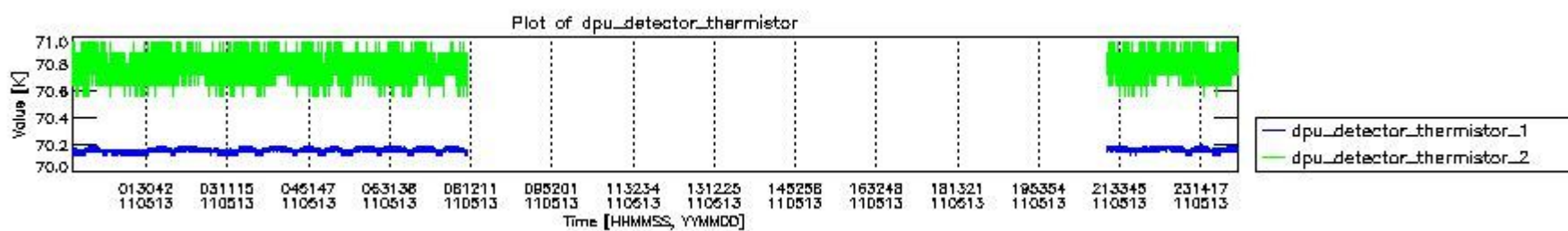
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110513\_0.PNG



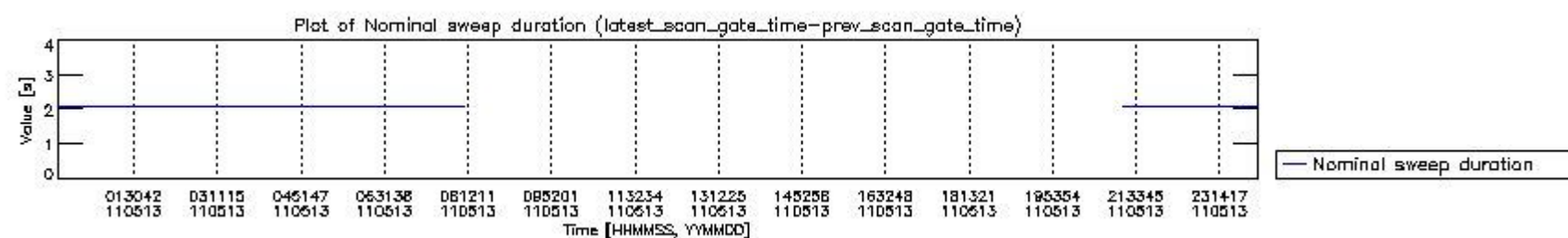
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110513\_1.PNG



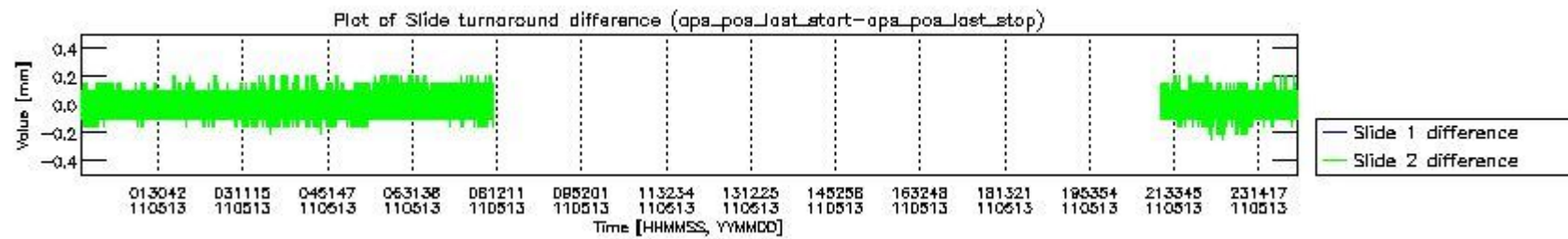
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110513\_2.PNG



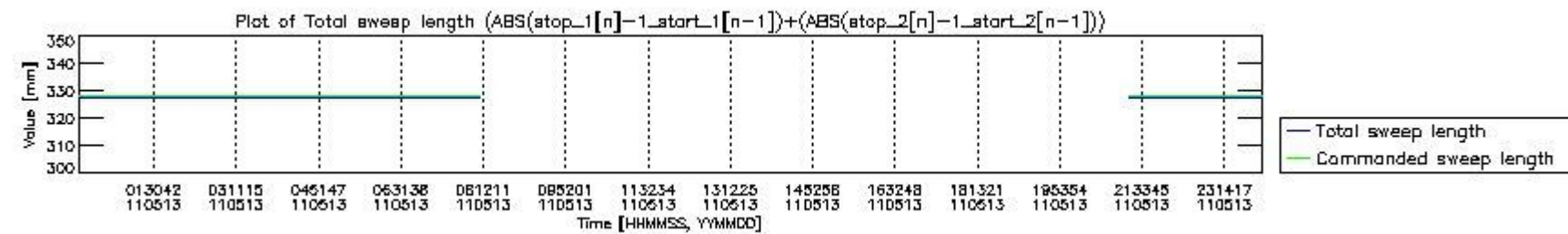
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110513\_3.PNG



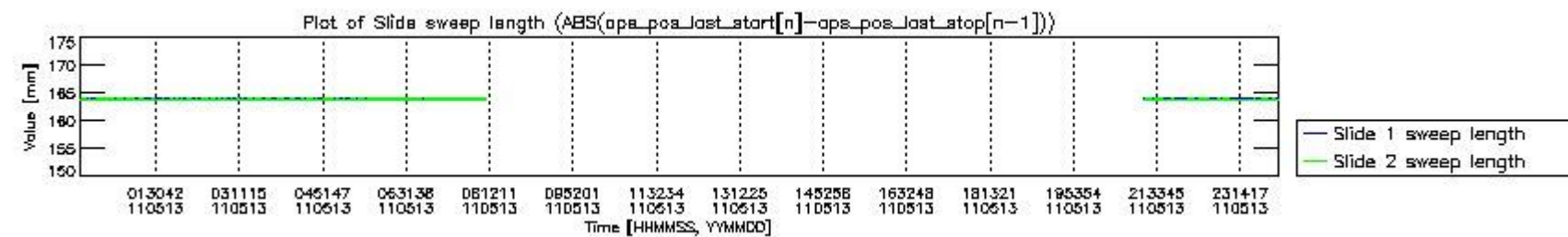
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110513\_4.PNG



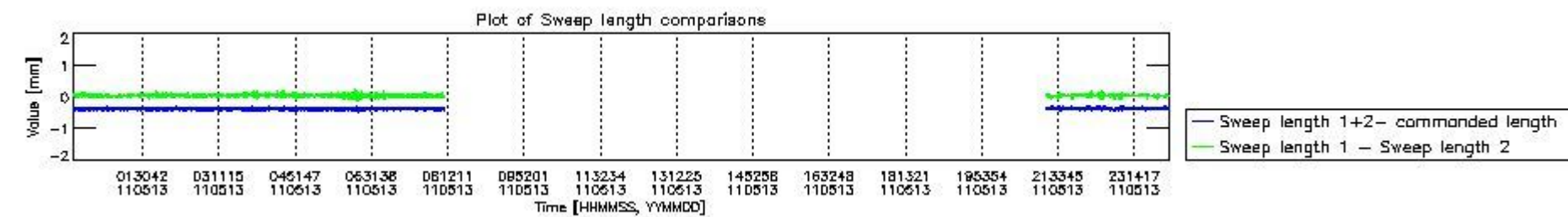
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110513\_5.PNG



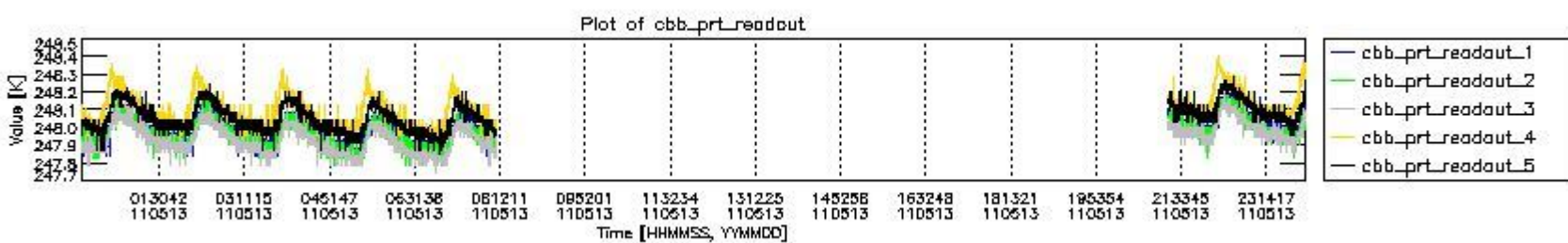
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110513\_6.PNG



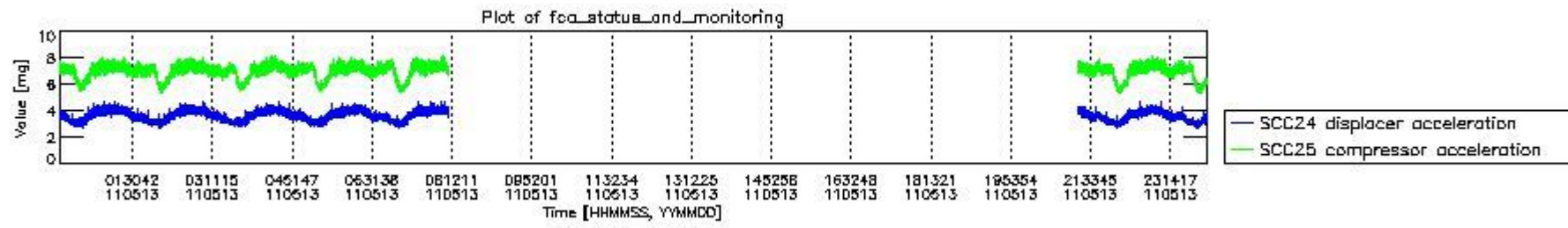
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110513\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110513\_8.PNG



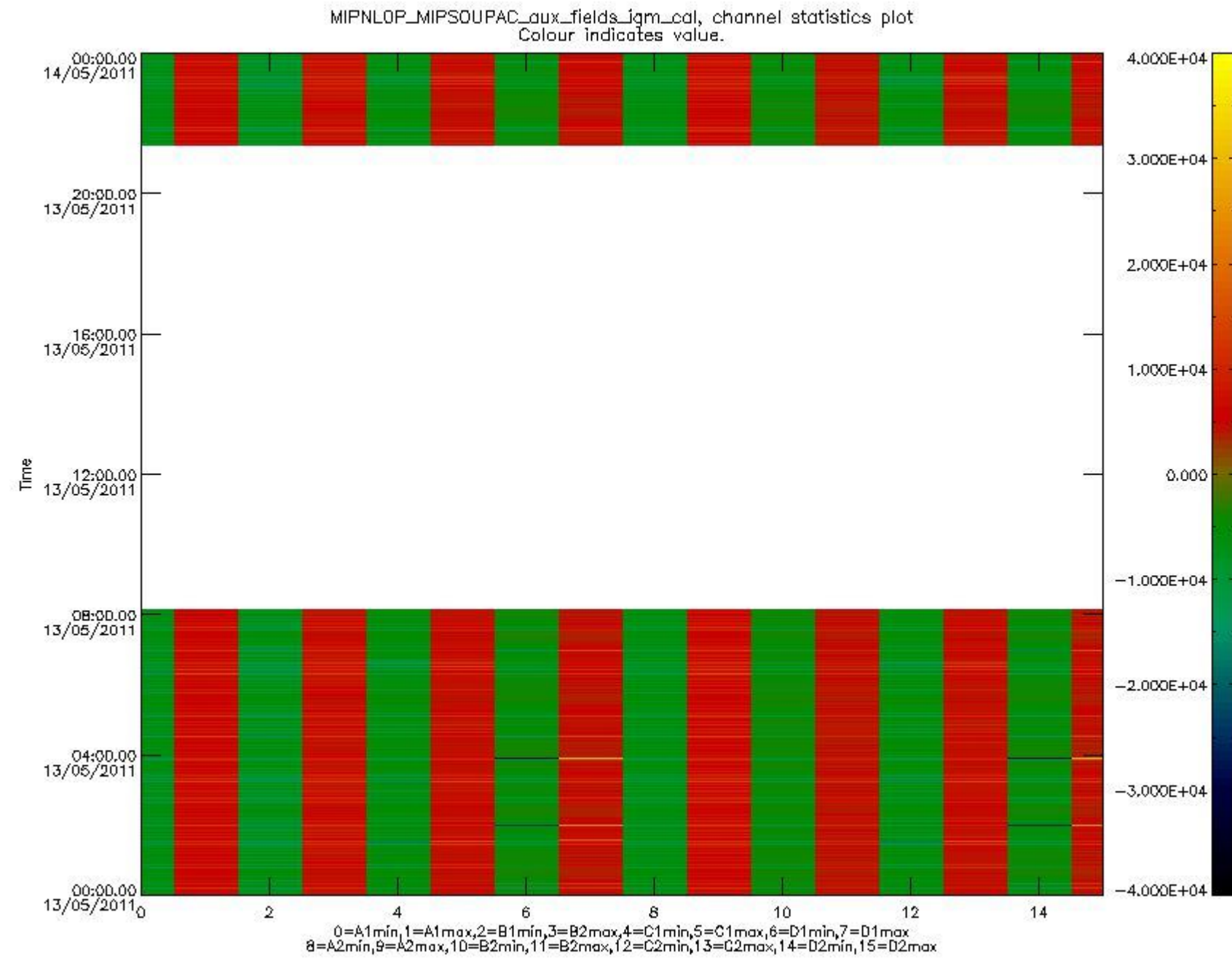
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110513\_9.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110513\_10.PNG

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

Channel	Min	Max	ADC
A1	-17673	18663	16bit
B1	-17439	15020	16bit
C1	-17827	17318	16bit
D1	-32768	32767	16bit
A2	-14956	18337	16bit
B2	-14379	13900	16bit
C2	-17948	22017	16bit
D2	-32768	32767	16bit



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110513\_11.PNG

### 0.3 ADF monitoring

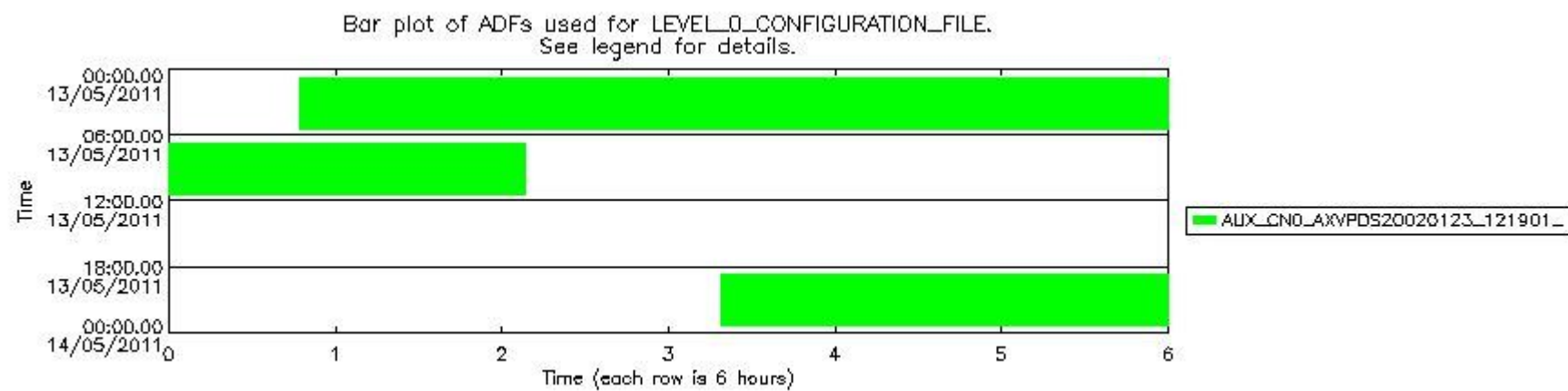
The use of ADFs is shown in two ways:

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.

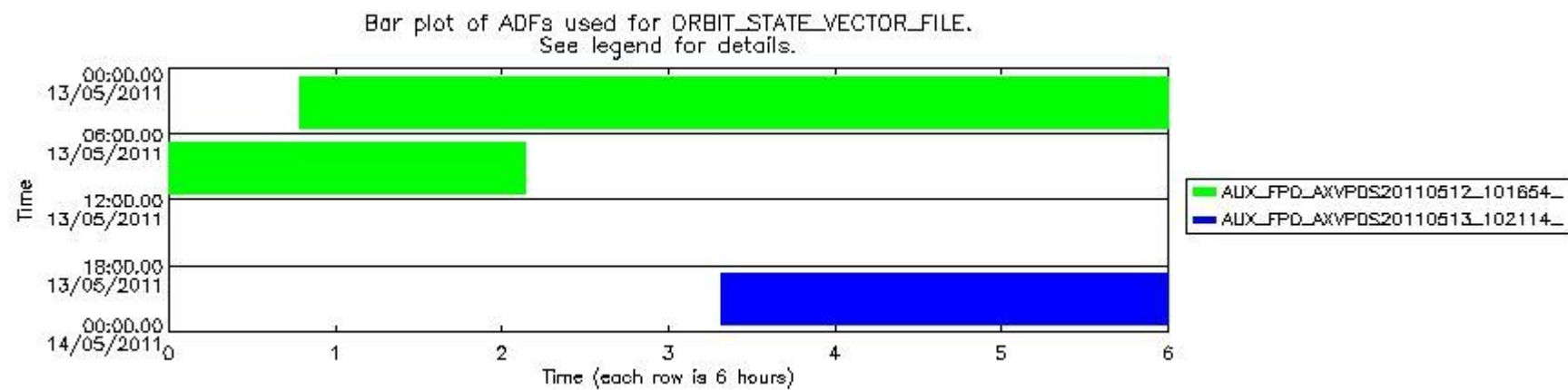
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110512_101654_20110511_185448_20110521_210836
2	AUX_FPO_AXVPDS20110513_102114_20110512_195818_20110522_203152

Number	Product name	#CN0	#FPO
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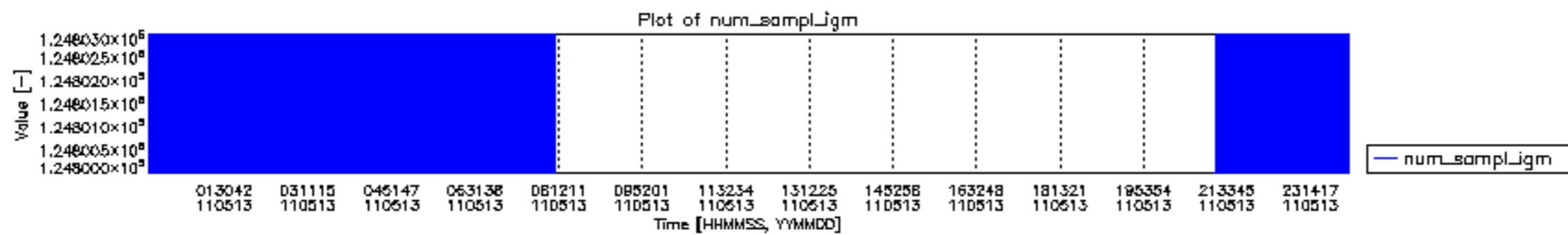
0	MIP_NL__0PNPDE20110513_004725_000057913102_00246_48105_8750.N1	0	1
1	MIP_NL__0PNPDE20110513_022258_000046293102_00247_48106_8751.N1	0	1
2	MIP_NL__0PNPDE20110513_033933_000061233102_00248_48107_8752.N1	0	1
3	MIP_NL__0PNPDE20110513_052101_000059833102_00249_48108_8753.N1	0	1
4	MIP_NL__0PNPDK20110513_070011_000040763102_00250_48109_5190.N1	0	1
5	MIP_NL__0PNPDE20110513_211841_000043453102_00259_48118_8754.N1	0	2
6	MIP_NL__0PNPDE20110513_223010_000060693102_00259_48118_8755.N1	0	2

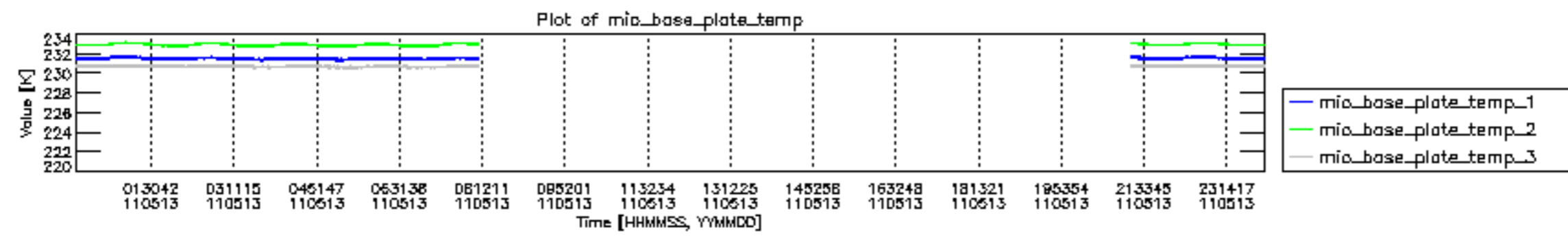


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110513\_12.PNG

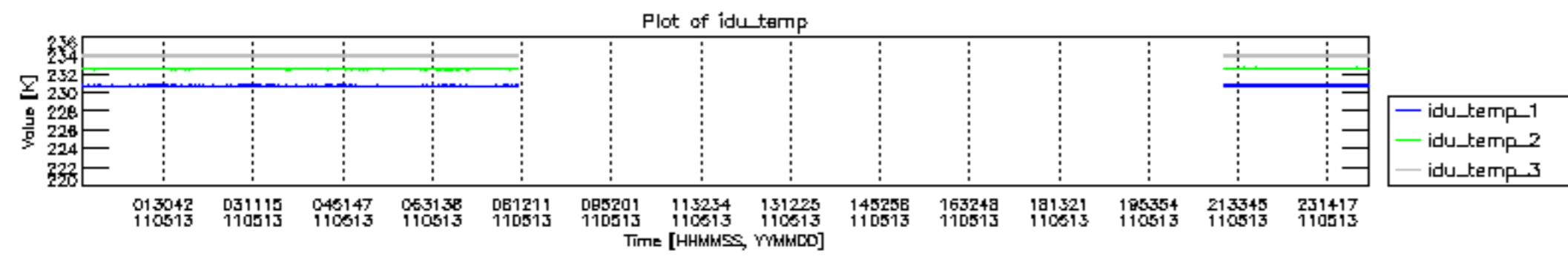


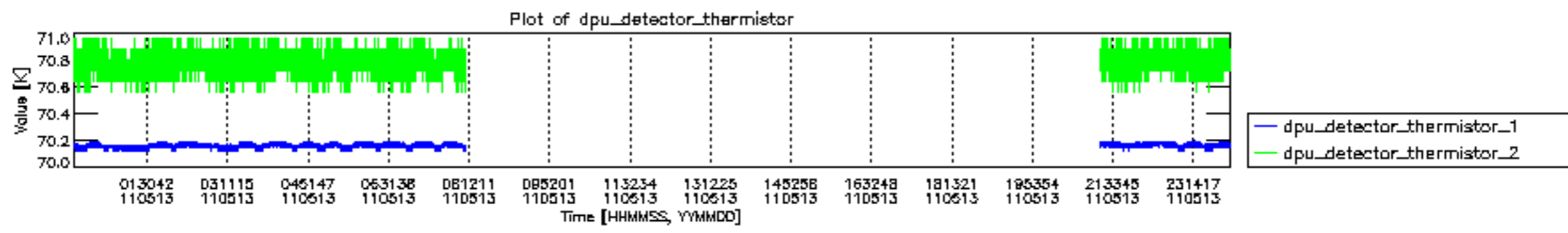
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110513\_13.PNG

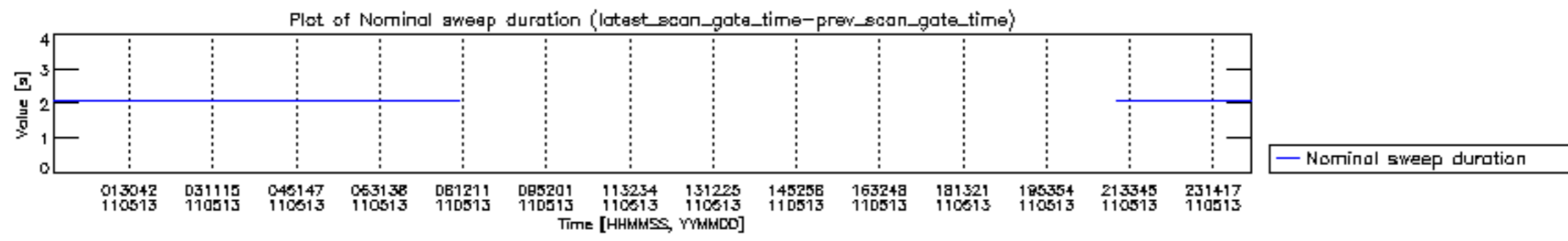


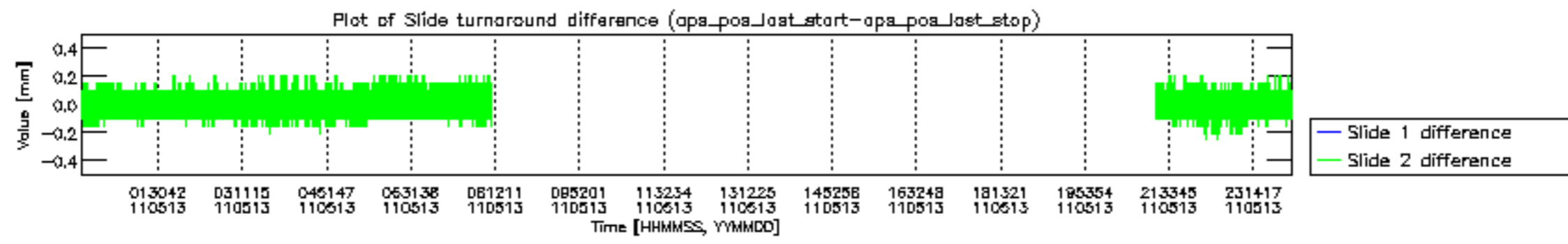


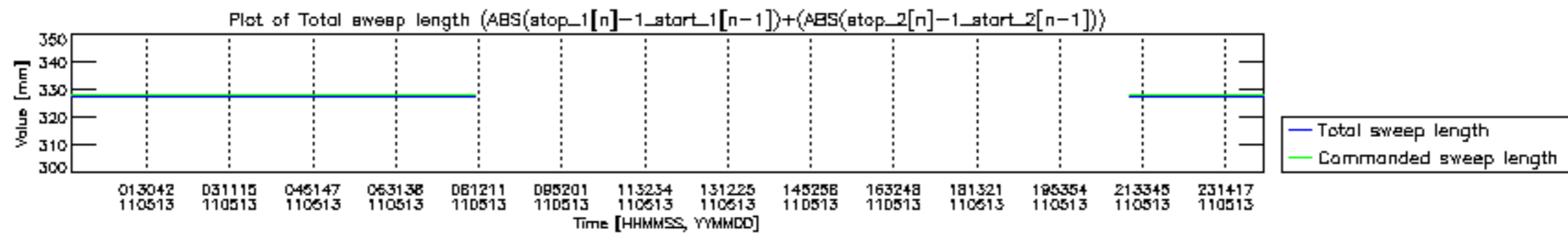


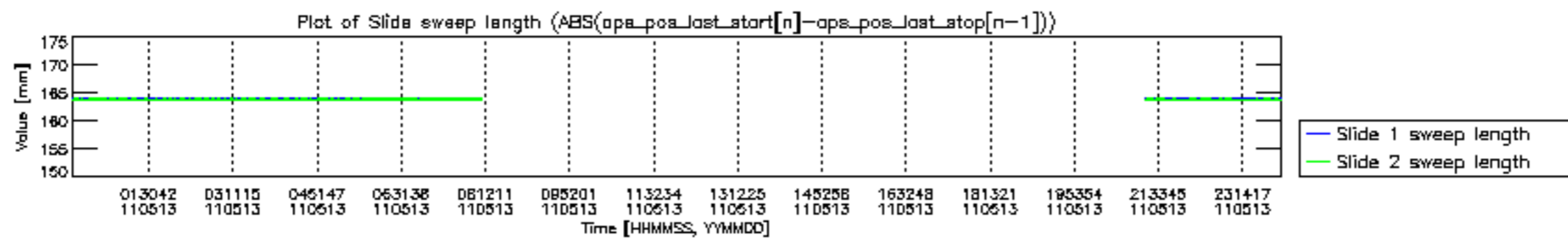


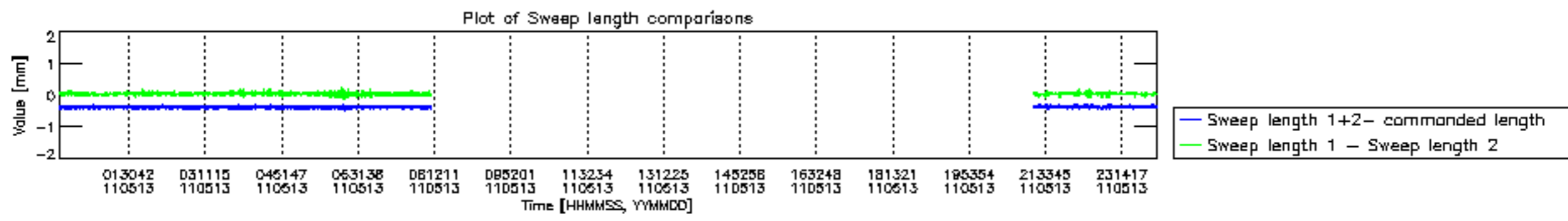


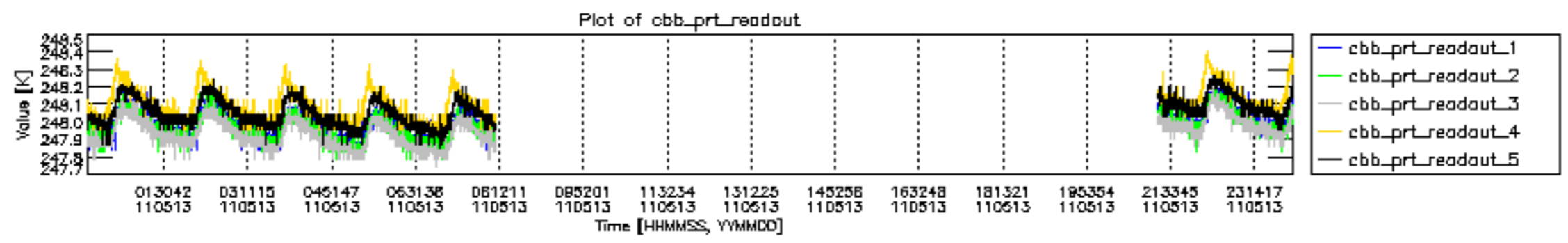




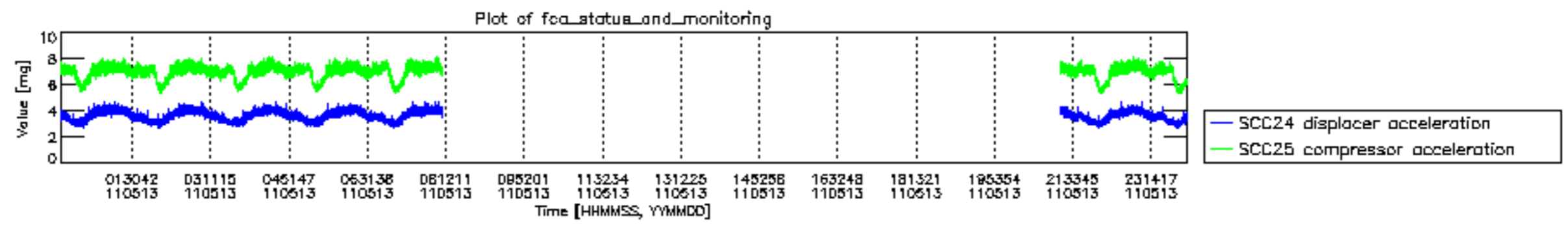












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

