

## 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	23MAY2011 05:20:07
Data source version	KSPT_L0/4504-N
Processing scope for products	18MAY2011 00:00:00 to 19MAY2011 00:00:00
Start time of first product within scope	18MAY2011 01:04:43
Stop time of last product within scope	18MAY2011 07:56:53
Total number of level 0 products	5
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.

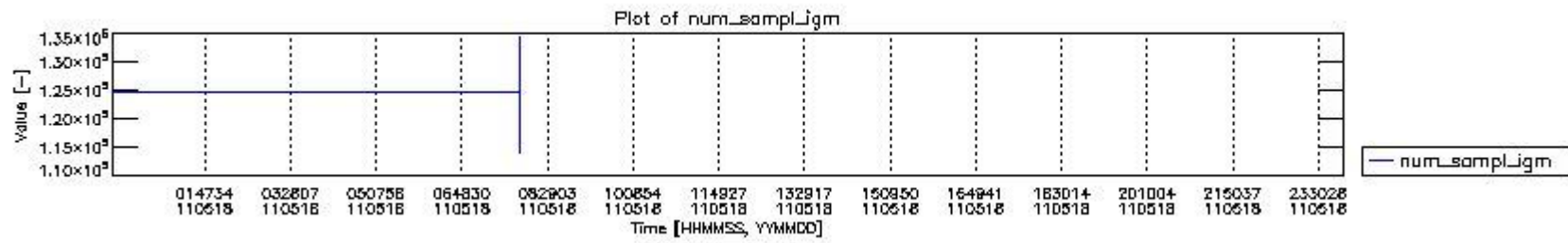
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110518_010443_000102153102_00318_48177_8784.N1	18MAY2011 01:04:43	18MAY2011 03:54:58	0	0	0	0	0
1	MIP_NL__0PNPDE20110518_014701_000076773102_00319_48178_3665.N1	18MAY2011 01:47:01	18MAY2011 03:54:58	0	0	0	0	0
2	MIP_NL__0PNPDE20110518_035425_000061883102_00320_48179_8785.N1	18MAY2011 03:54:25	18MAY2011 05:37:33	0	0	0	0	0
3	MIP_NL__0PNPDE20110518_053659_000060813102_00321_48180_8786.N1	18MAY2011 05:36:59	18MAY2011 07:18:21	0	0	0	0	0
4	MIP_NL__0PNPDK20110518_071745_000023483102_00322_48181_5237.N1	18MAY2011 07:17:45	18MAY2011 07:56:53	0	0	0	0	0

## 0.2 Instrument Operational Performance Parameters

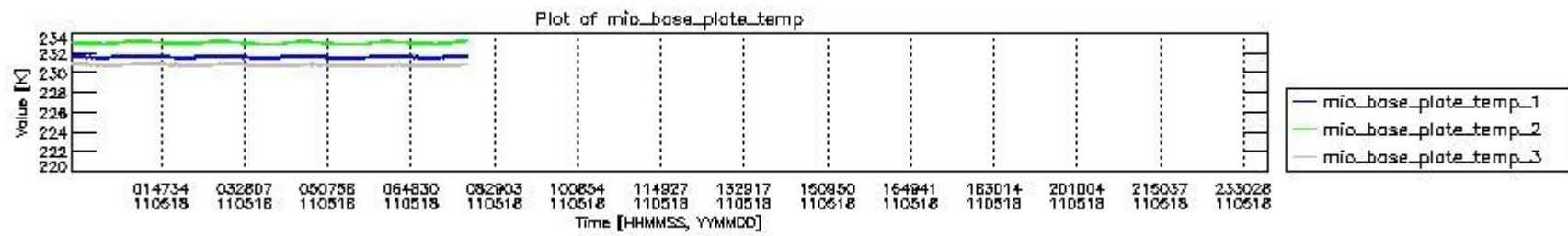
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP\_NL\_\_0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is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

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

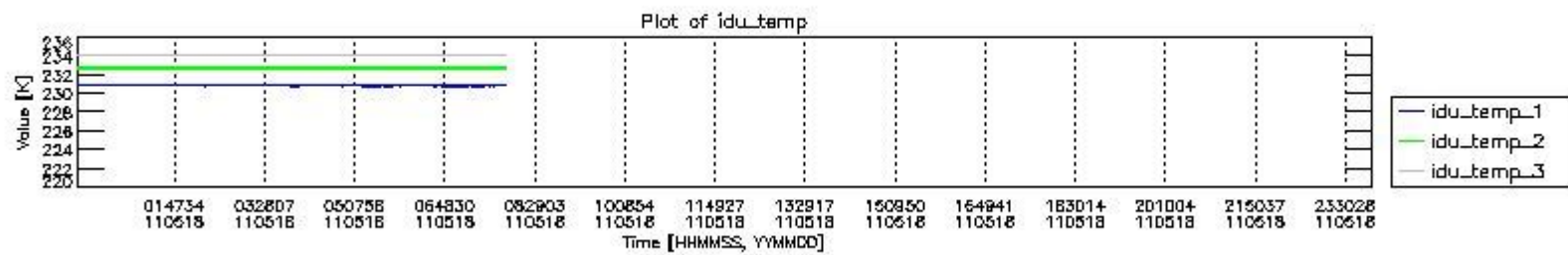
Number of igm samples	Count [#]	Count [%]
114075	1	0.0072912869
123482	1	0.0072912869
124800	12732	92.832665
124803	980	7.1454612
134207	1	0.0072912869



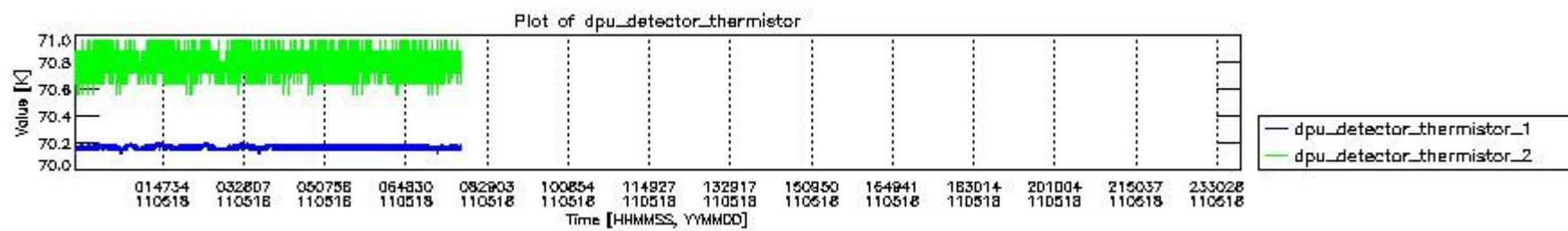
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110518\_0.PNG



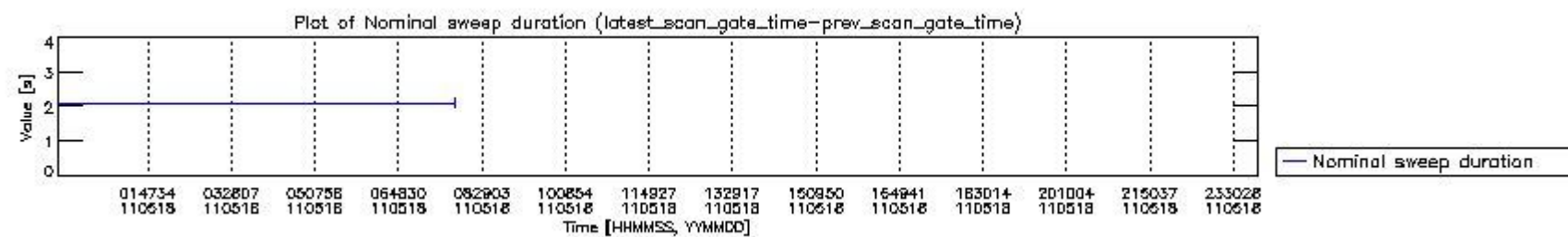
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110518\_1.PNG



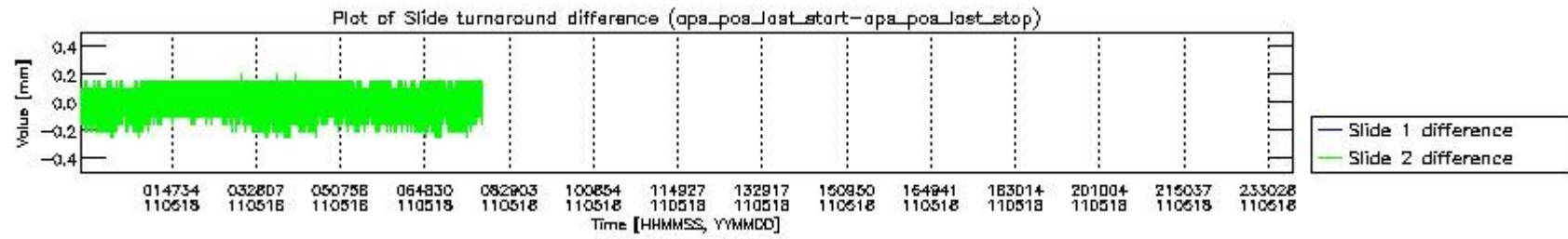
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110518\_2.PNG



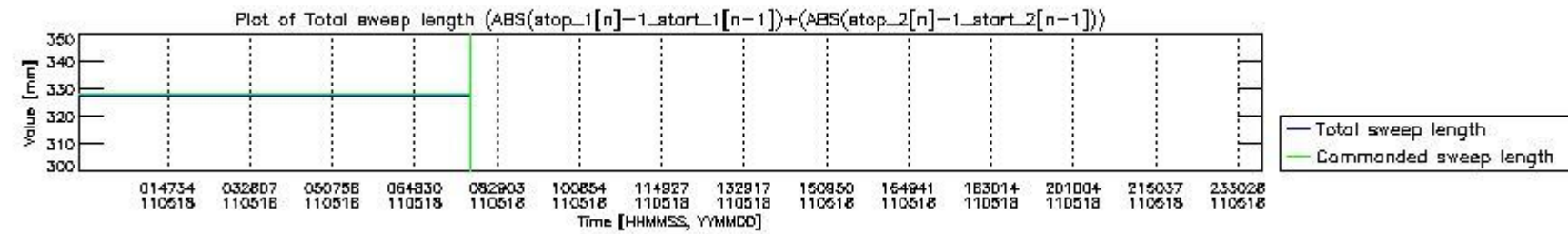
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110518\_3.PNG



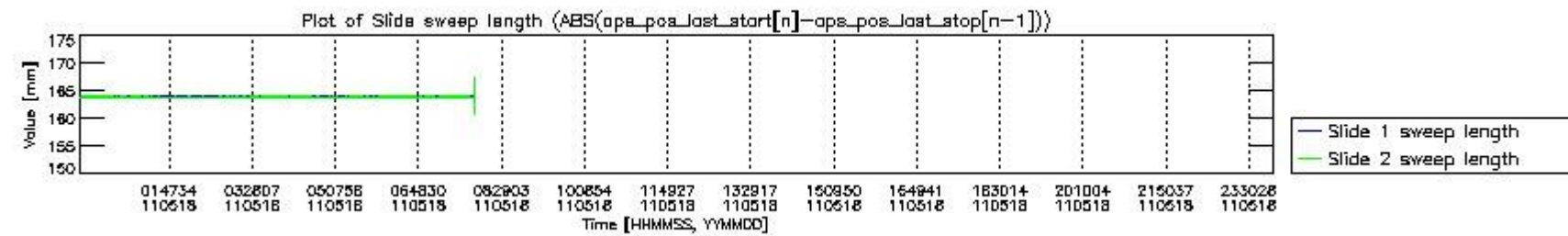
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110518\_4.PNG



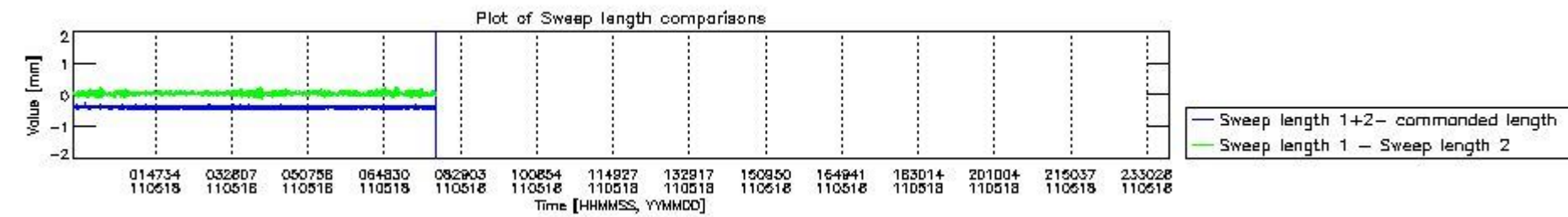
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110518\_5.PNG



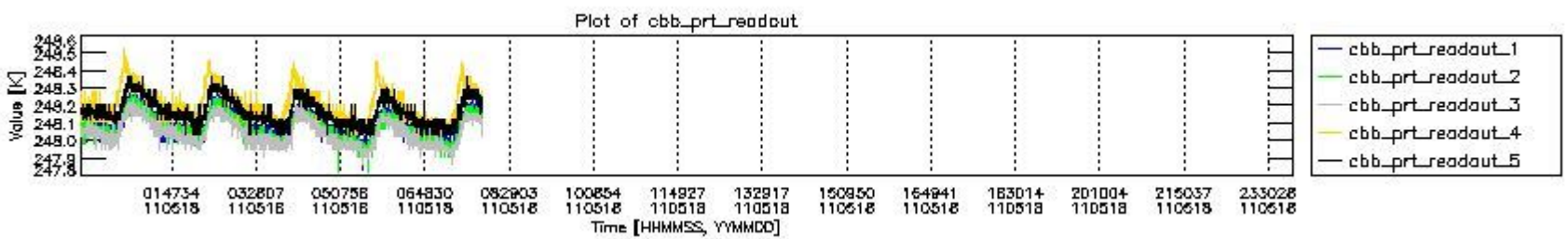
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110518\_6.PNG



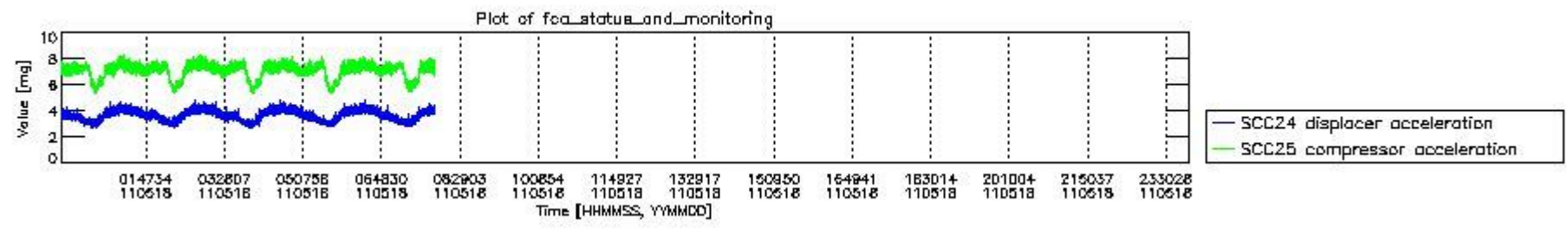
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110518\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110518\_8.PNG



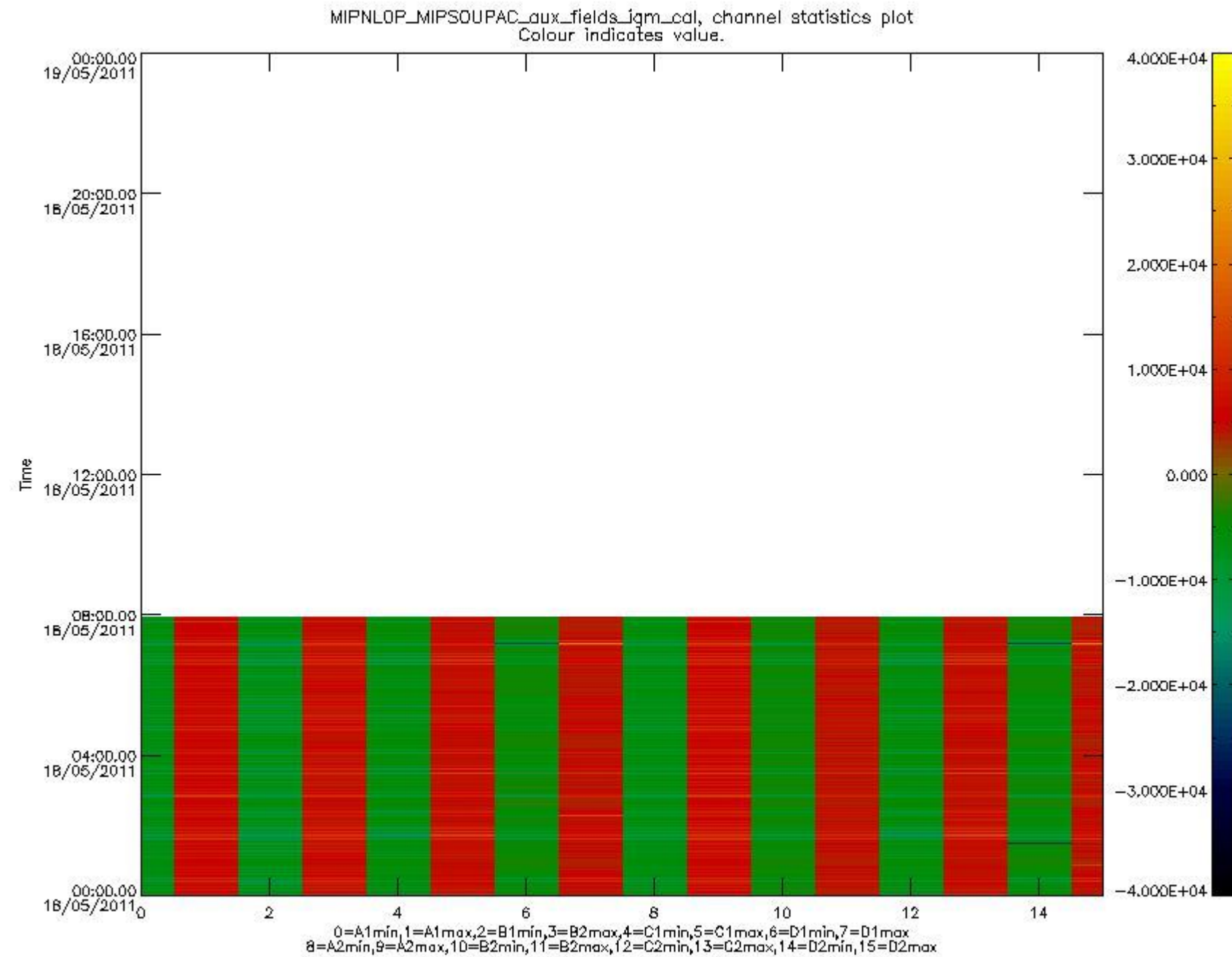
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110518\_9.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110518\_10.PNG

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

Channel	Min	Max	ADC
A1	-17510	18624	16bit
B1	-19166	16440	16bit
C1	-22143	21879	16bit
D1	-32768	32767	16bit
A2	-14937	18363	16bit
B2	-17132	16537	16bit
C2	-22355	24274	16bit
D2	-32768	32767	16bit



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110518\_11.PNG

### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

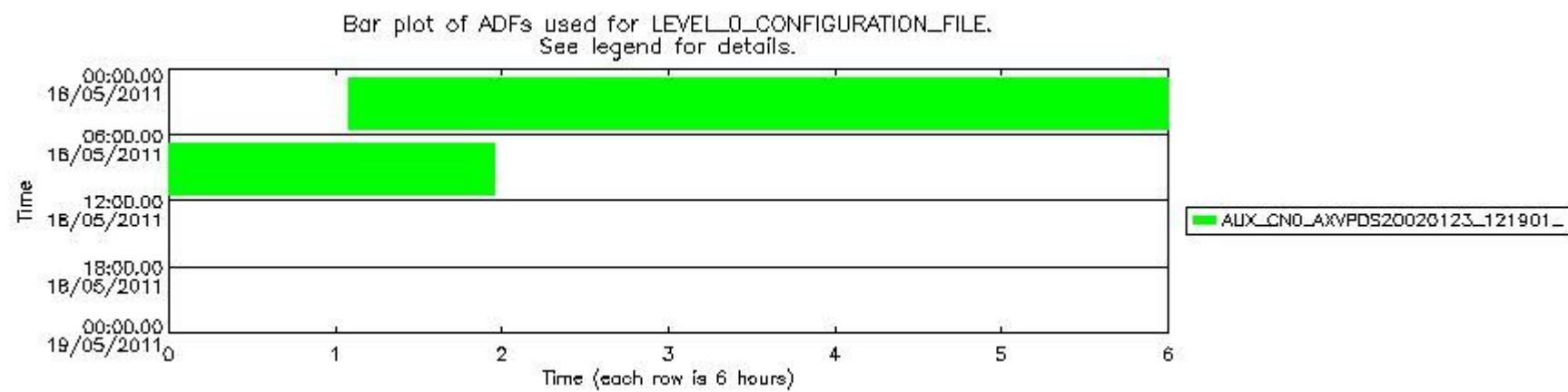
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110517_101706_20110516_191135_20110526_212523

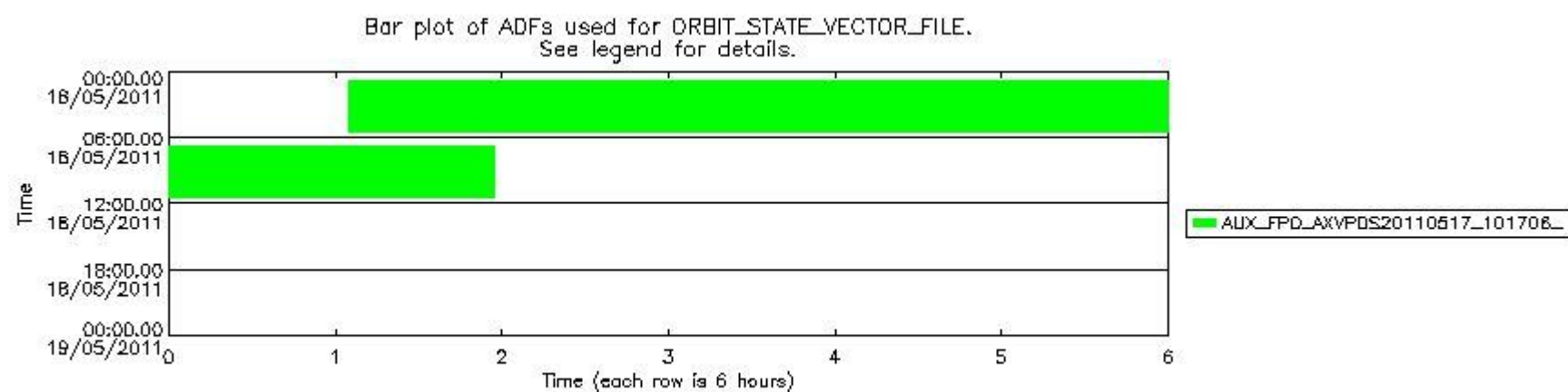
Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110518_010443_000102153102_00318_48177_8784.N1	0	1



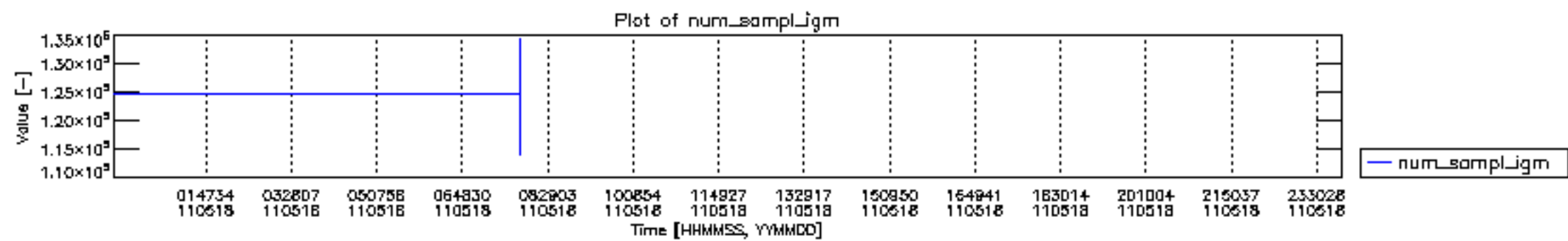
1	MIP_NL__0PNPDE20110518_014701_000076773102_00319_48178_3665.N1	0	1
2	MIP_NL__0PNPDE20110518_035425_000061883102_00320_48179_8785.N1	0	1
3	MIP_NL__0PNPDE20110518_053659_000060813102_00321_48180_8786.N1	0	1
4	MIP_NL__0PNPDK20110518_071745_000023483102_00322_48181_5237.N1	0	1

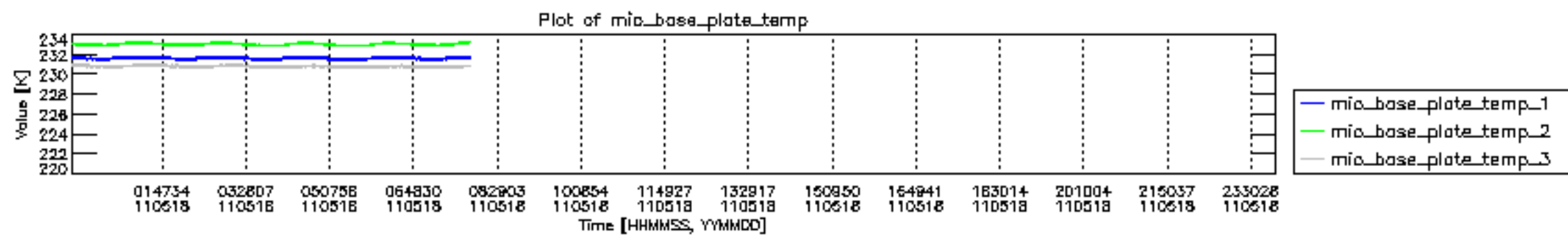


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110518\_12.PNG

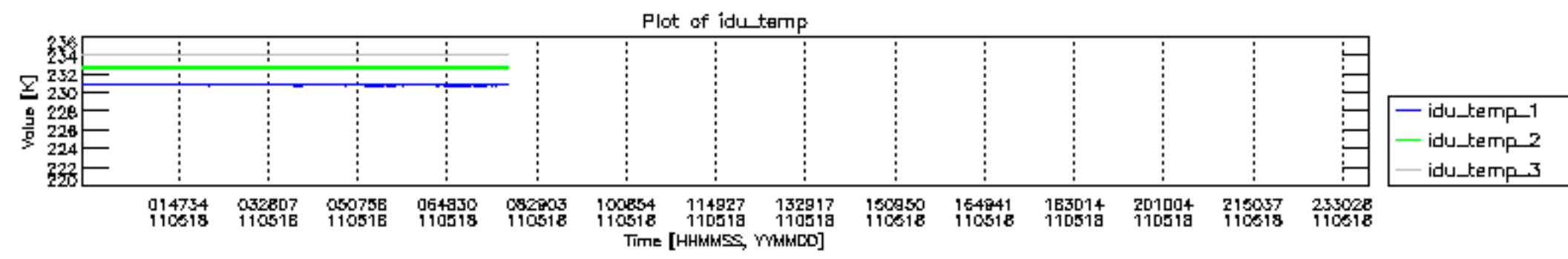


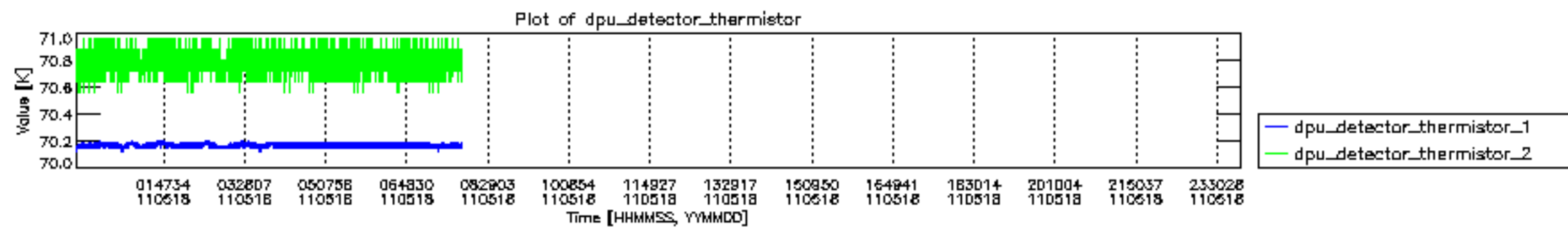
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110518\_13.PNG

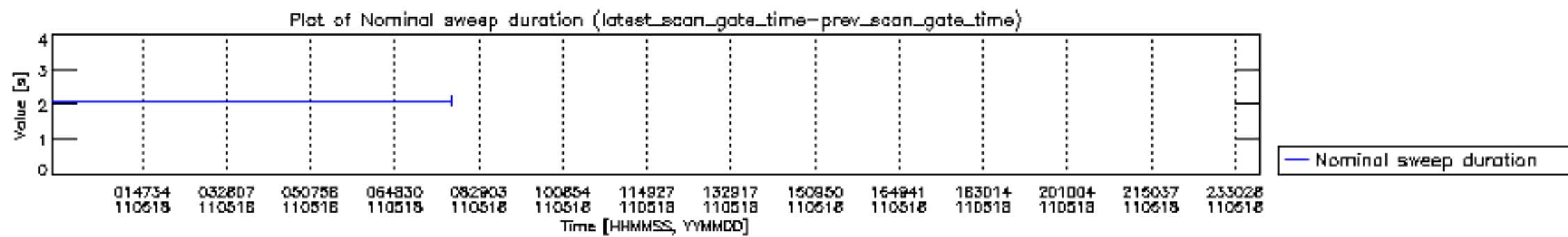


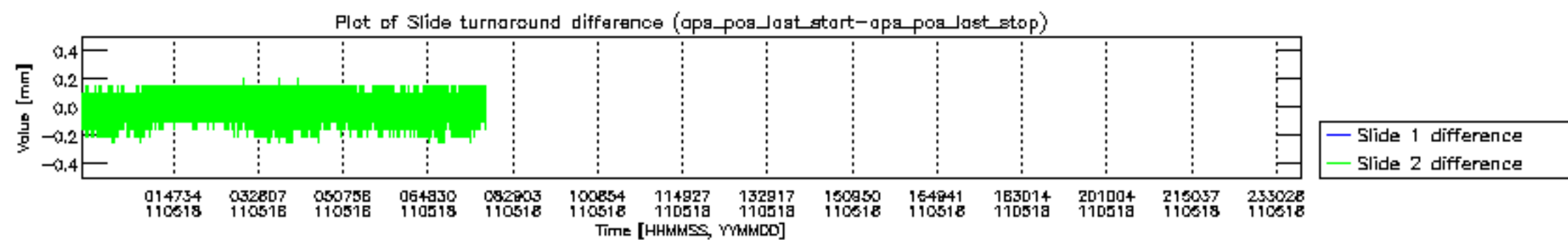


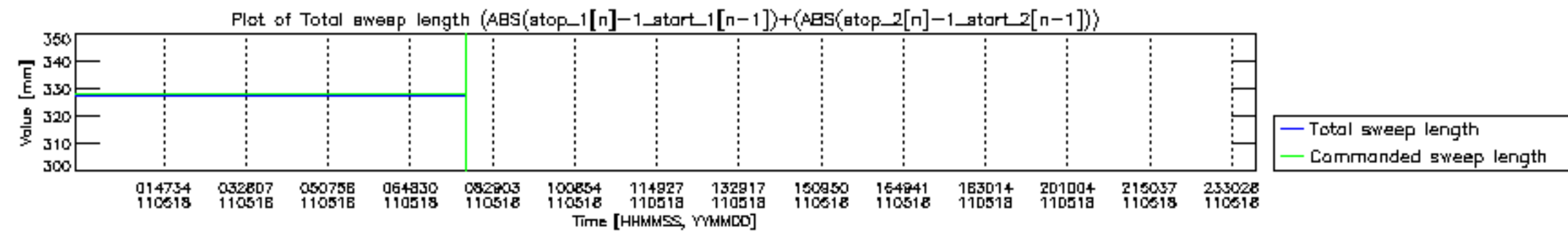


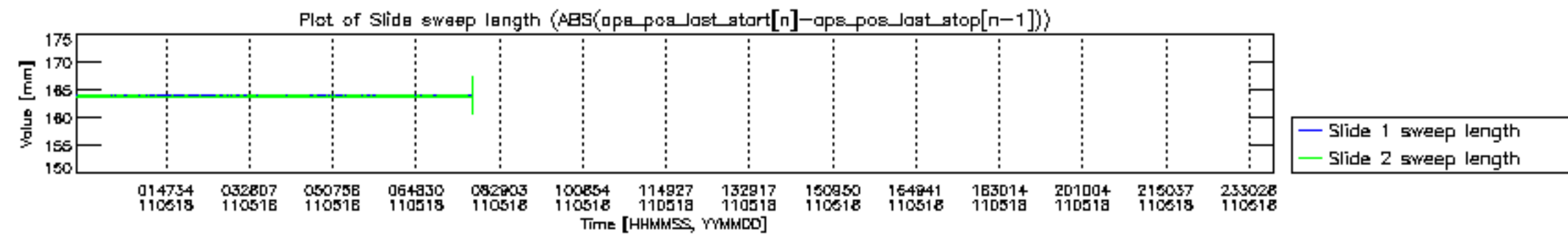




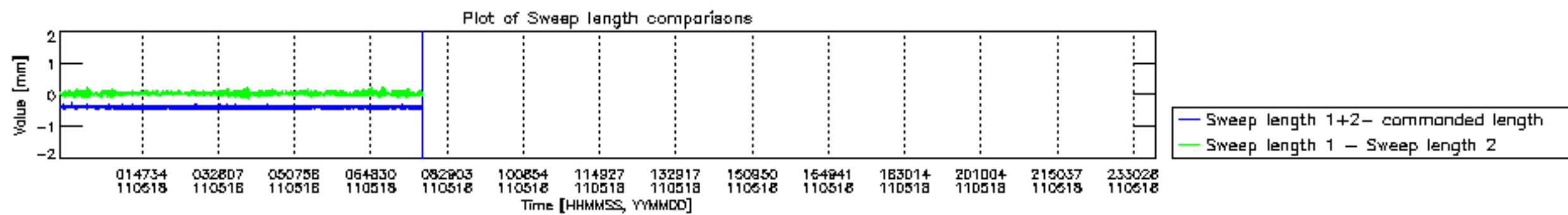


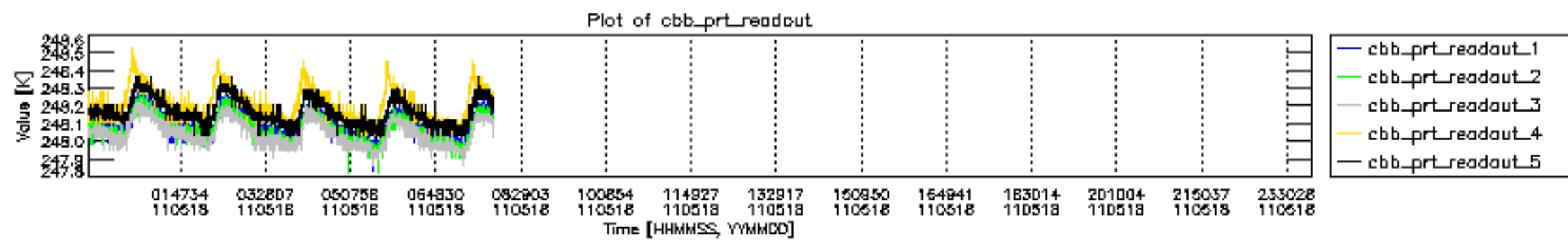


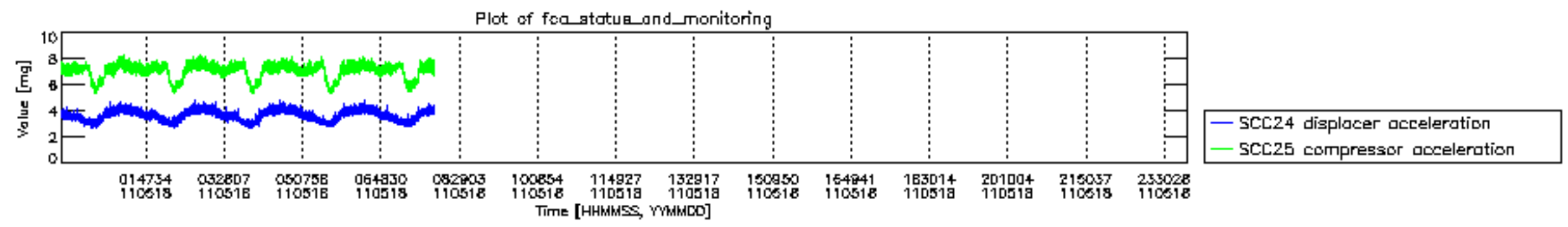












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

