

## 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	26SEP2011 05:21:34
Data source version	KSPT_L0/4504-N
Processing scope for products	21SEP2011 00:00:00 to 22SEP2011 00:00:00
Start time of first product within scope	21SEP2011 00:46:35
Stop time of last product within scope	22SEP2011 00:10:28
Total number of level 0 products	6
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__0PNPDE20110921_004635_000058053106_00404_49987_9683.N1	21SEP2011 00:46:35	21SEP2011 02:23:21	0	0	0	0	0
1	MIP_NL__0PNPDE20110921_022216_000044873106_00405_49988_9684.N1	21SEP2011 02:22:16	21SEP2011 03:37:03	0	0	0	0	0
2	MIP_NL__0PNPDE20110921_033630_000062043106_00406_49989_9685.N1	21SEP2011 03:36:30	21SEP2011 05:19:54	0	0	0	0	0
3	MIP_NL__0PNPDE20110921_051921_000060193106_00407_49990_9686.N1	21SEP2011 05:19:21	21SEP2011 06:59:40	0	0	0	0	0
4	MIP_NL__0PNPDE20110921_211545_000043813106_00417_50000_9687.N1	21SEP2011 21:15:45	21SEP2011 22:28:46	0	0	0	0	0
5	MIP_NL__0PNPDE20110921_222743_000061653106_00417_50000_9688.N1	21SEP2011 22:27:43	22SEP2011 00:10:28	0	0	0	0	0

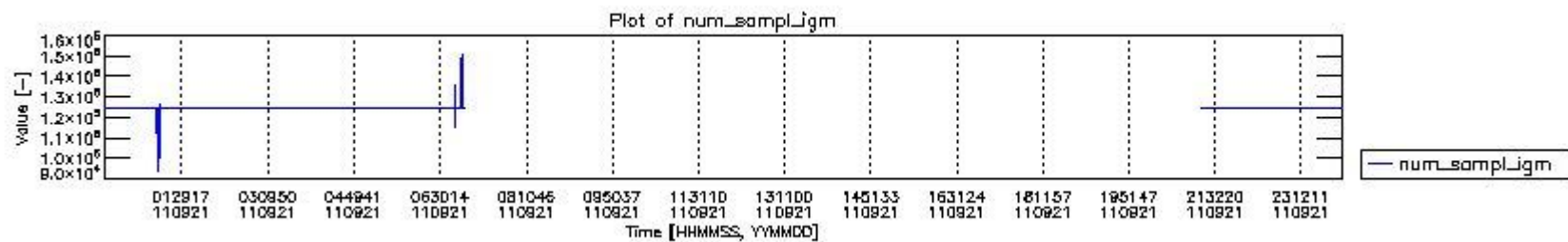
#### 0.2 Instrument Operational Performance Parameters

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.

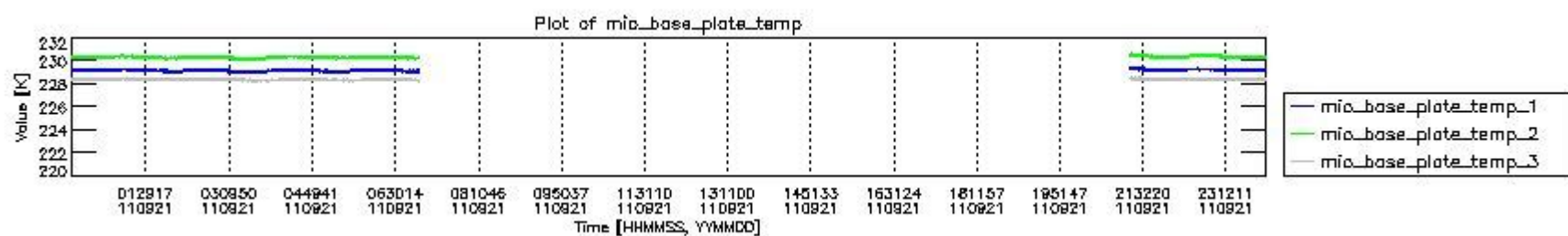
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
93300	1	0.0060045635
98984	1	0.0060045635
100483	1	0.0060045635
115413	1	0.0060045635
119116	1	0.0060045635
124800	15682	94.163564
124803	960	5.7643809
125735	1	0.0060045635
126158	1	0.0060045635
126670	1	0.0060045635
127679	1	0.0060045635
135545	1	0.0060045635

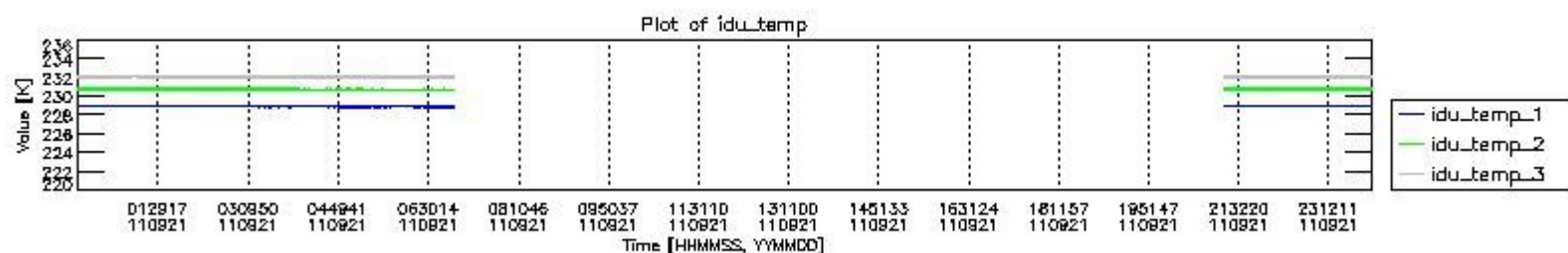
147811	1	0.0060045635
150690	1	0.0060045635



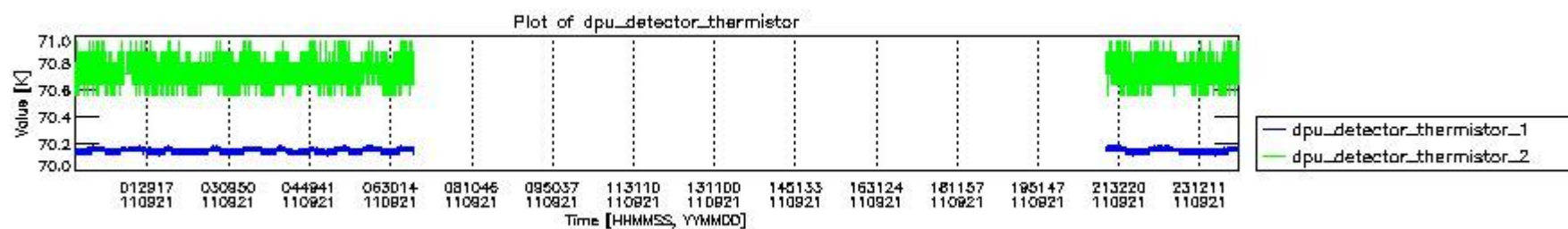
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110921\_0.PNG



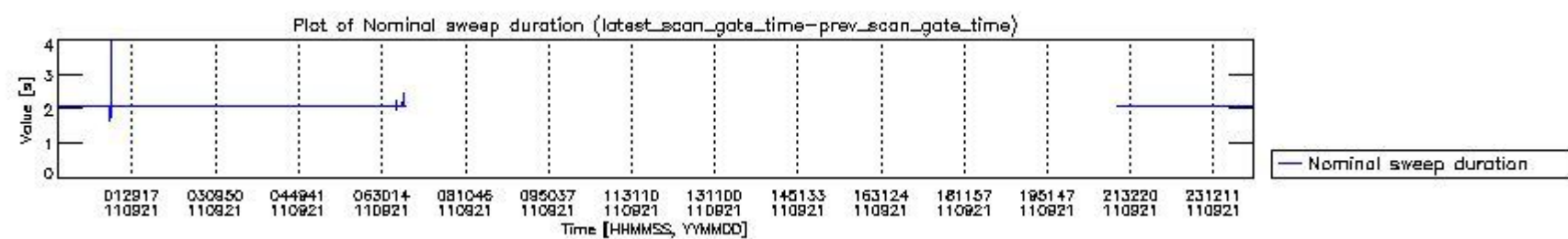
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110921\_1.PNG



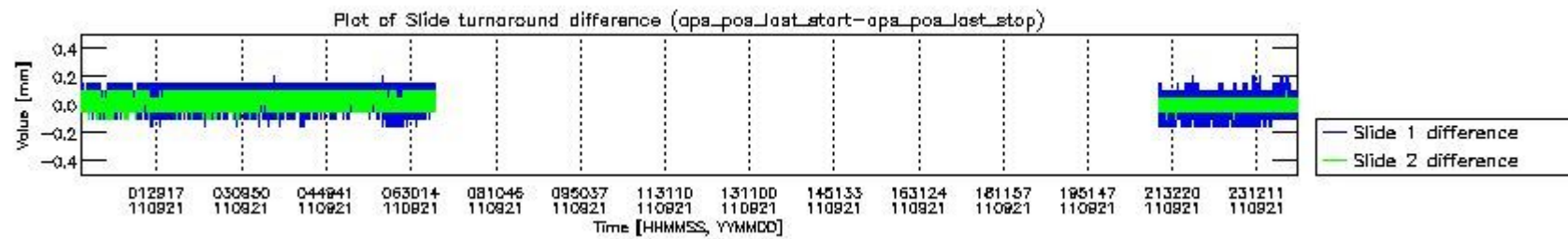
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110921\_2.PNG



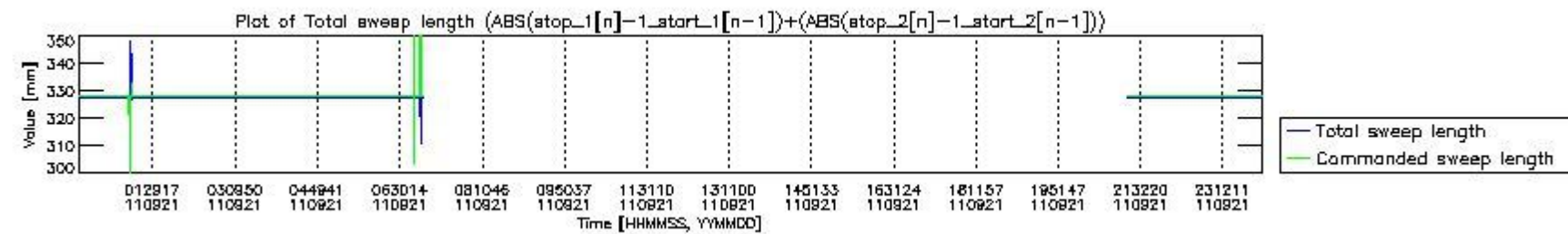
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110921\_3.PNG



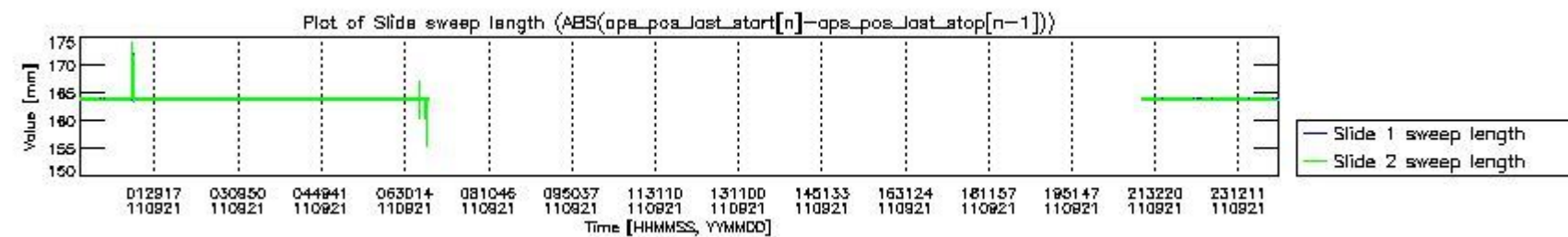
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110921\_4.PNG



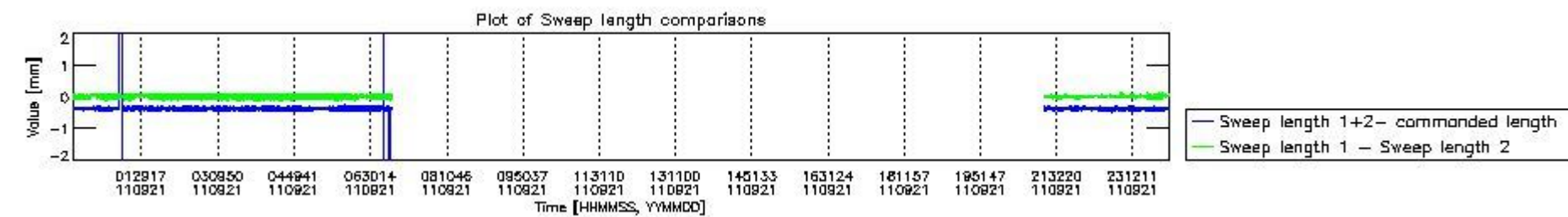
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110921\_5.PNG



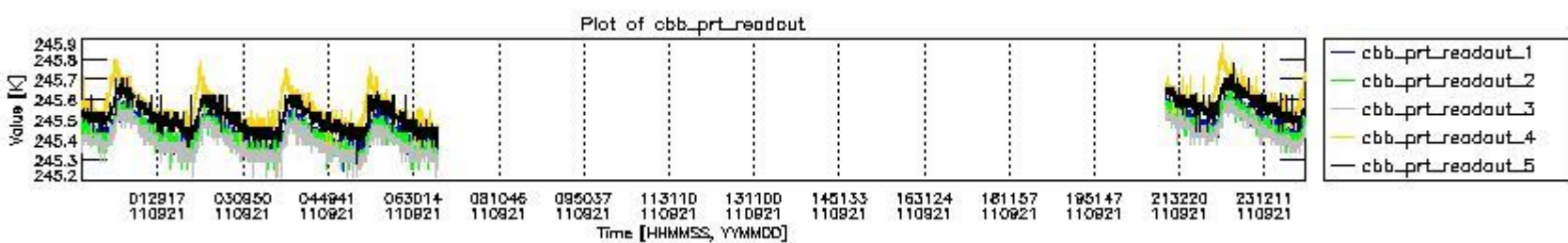
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110921\_6.PNG



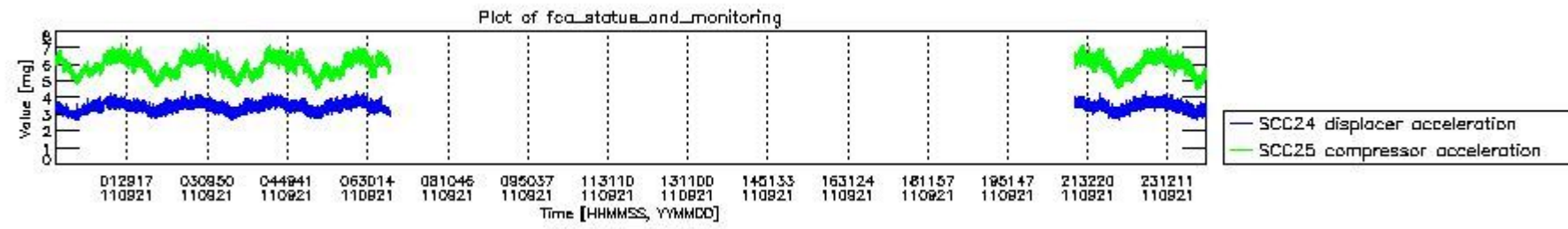
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110921\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110921\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110921\_9.PNG



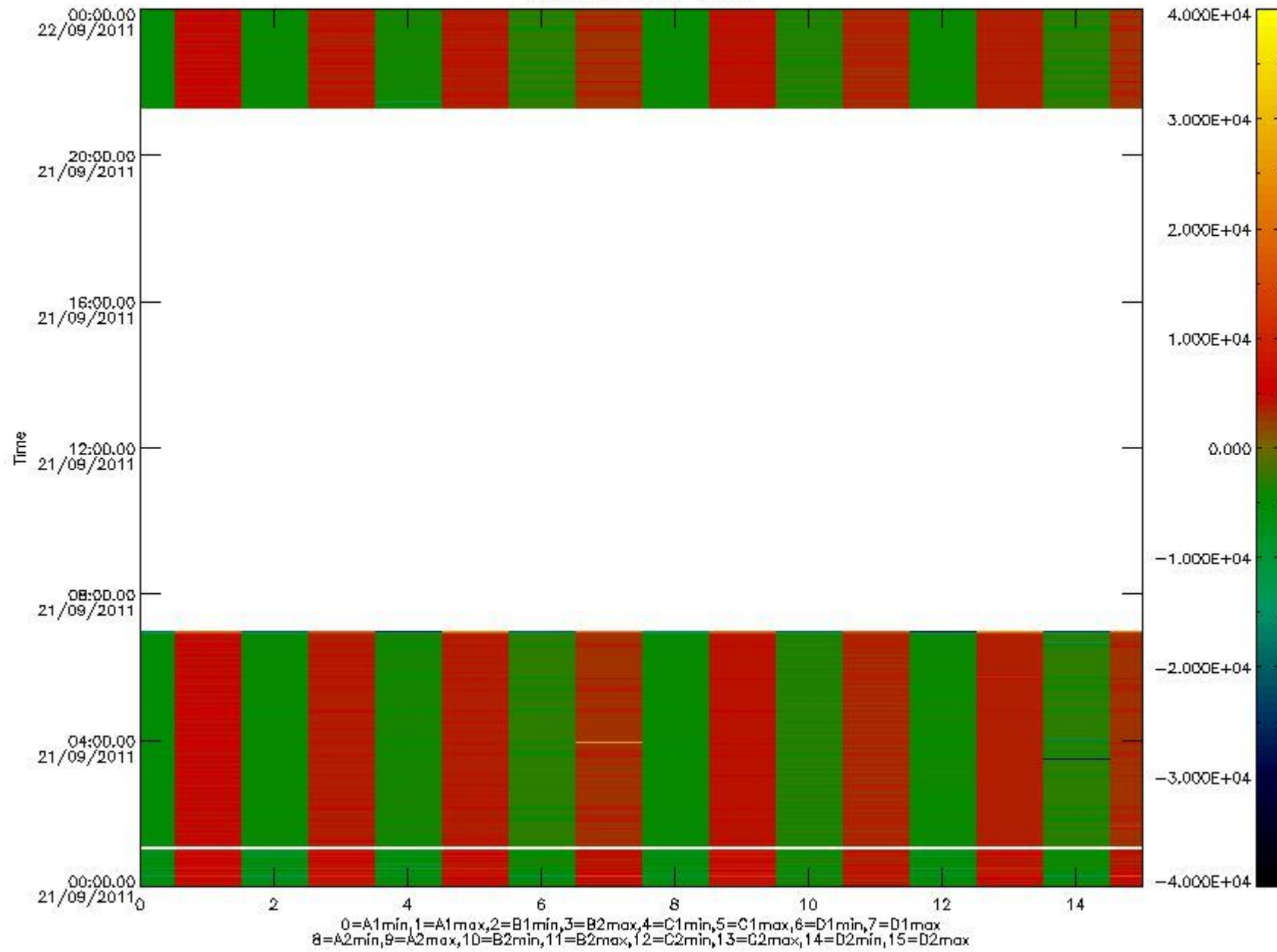
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110921\_10.PNG

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

Channel	Min	Max	ADC
A1	-18195	19297	16bit
B1	-20572	17692	16bit
C1	-25499	25392	16bit
D1	-24217	32117	16bit
A2	-15829	19559	16bit
B2	-18604	18292	16bit
C2	-26533	26169	16bit
D2	-32768	27429	16bit



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



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110921\_11.PNG

### 0.3 ADF monitoring

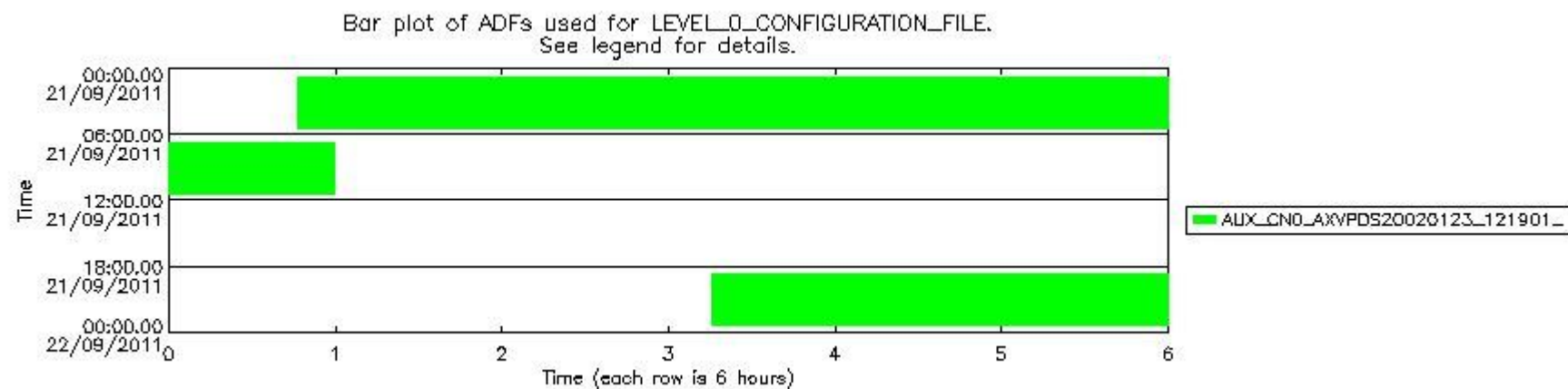
The use of ADFs is shown in two ways:

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.

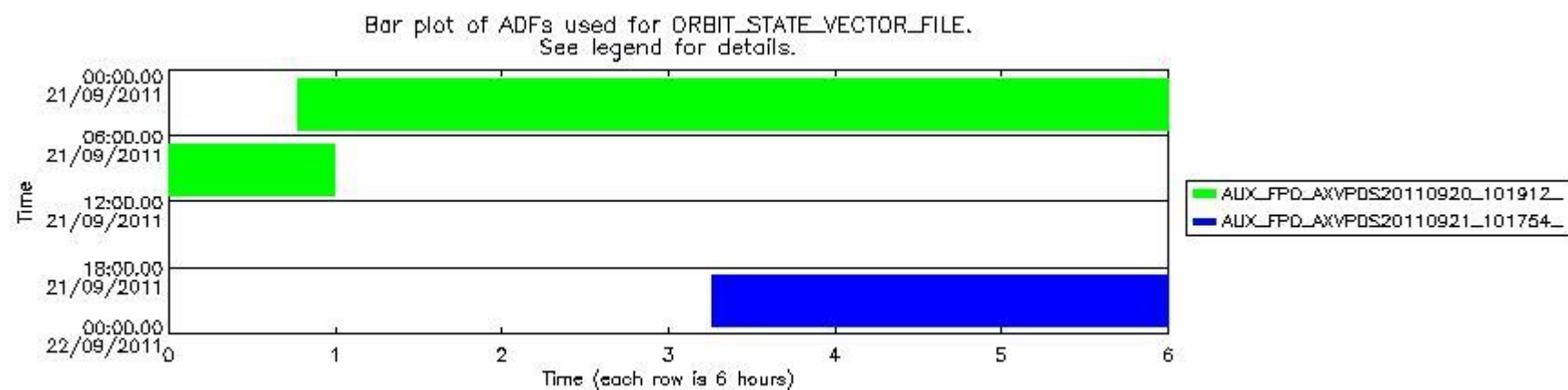
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110920_101912_20110919_185316_20110929_210701
2	AUX_FPO_AXVPDS20110921_101754_20110920_195646_20110930_203017

Number	Product name	#CN0	#FPO
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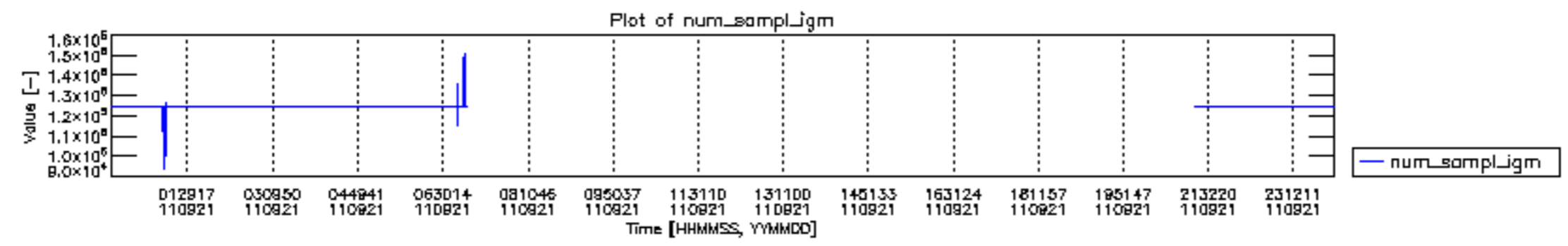
0	MIP_NL__0PNPDE20110921_004635_000058053106_00404_49987_9683.N1	0	1
1	MIP_NL__0PNPDE20110921_022216_000044873106_00405_49988_9684.N1	0	1
2	MIP_NL__0PNPDE20110921_033630_000062043106_00406_49989_9685.N1	0	1
3	MIP_NL__0PNPDE20110921_051921_000060193106_00407_49990_9686.N1	0	1
4	MIP_NL__0PNPDE20110921_211545_000043813106_00417_50000_9687.N1	0	2
5	MIP_NL__0PNPDE20110921_222743_000061653106_00417_50000_9688.N1	0	2

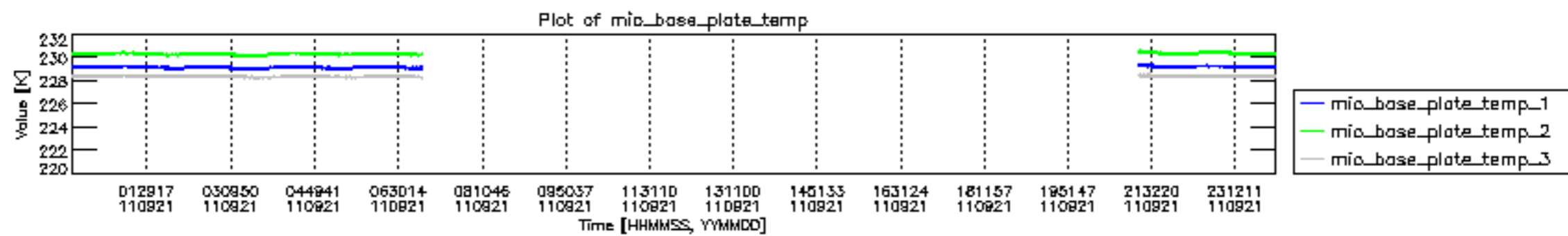


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110921\_12.PNG

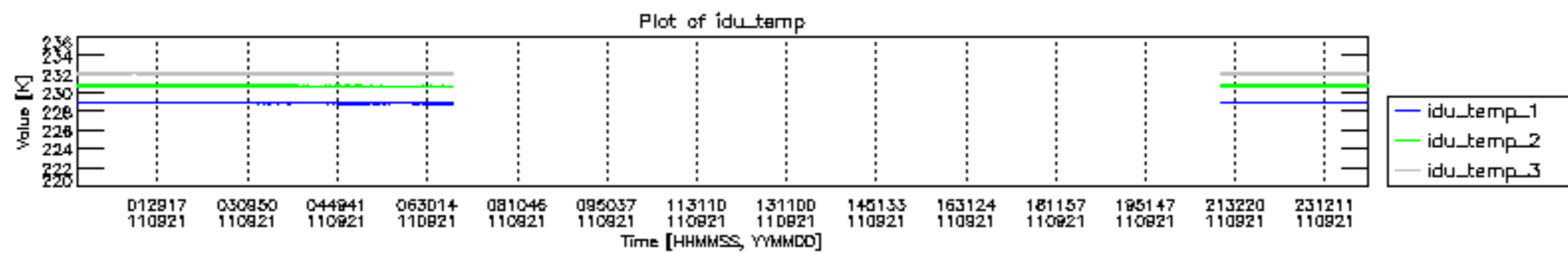


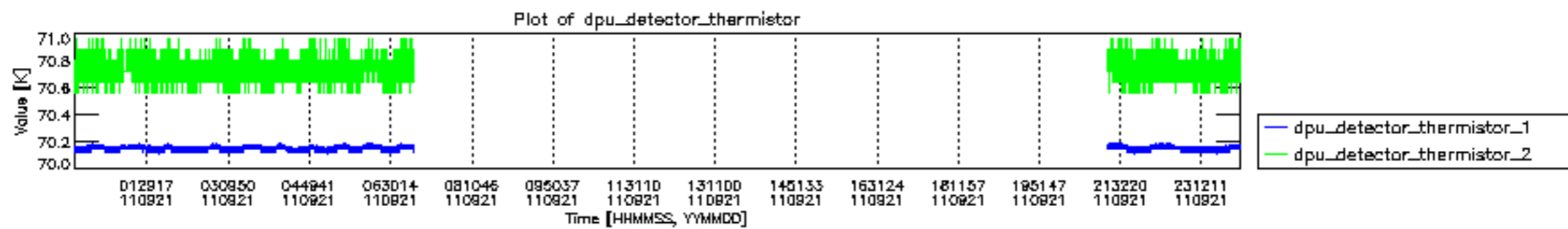
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110921\_13.PNG

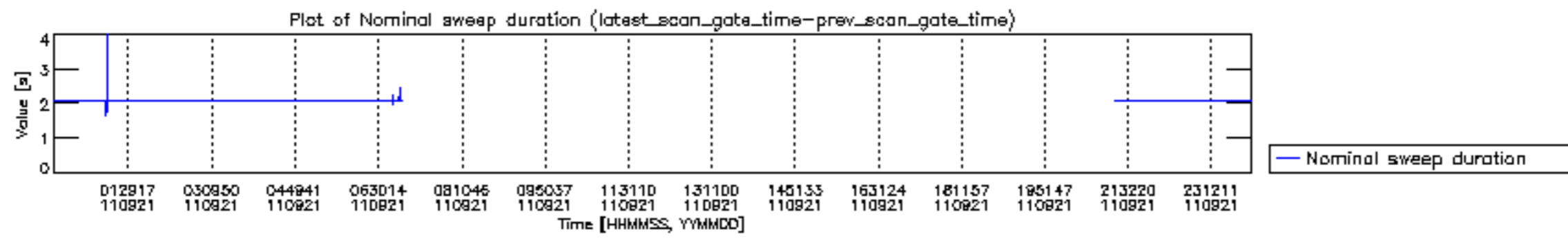


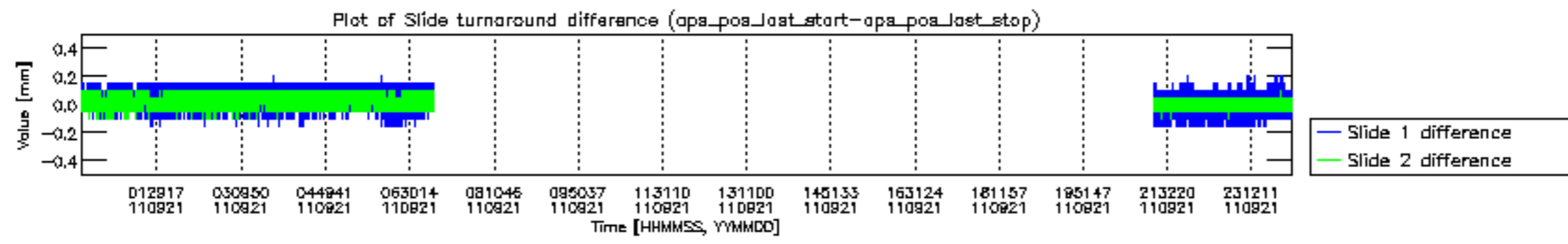


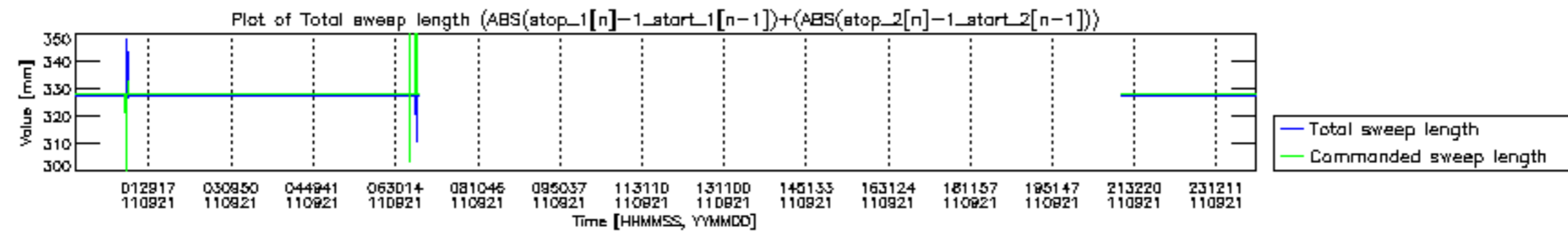


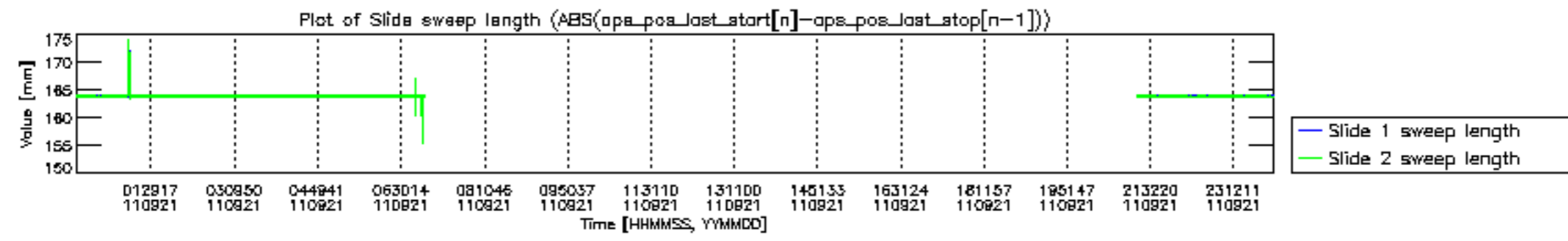




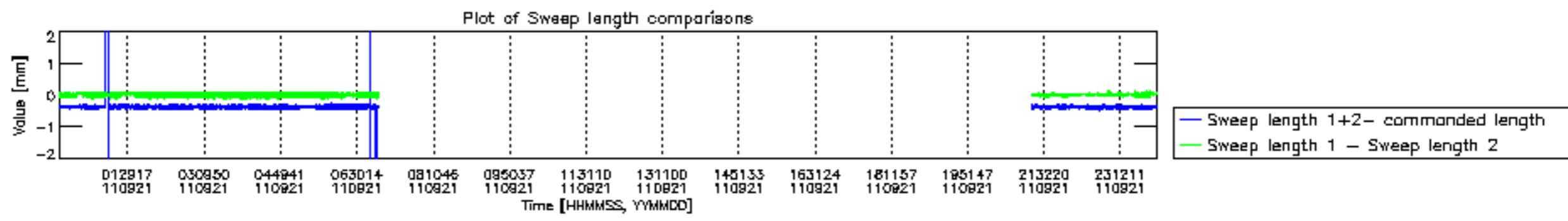


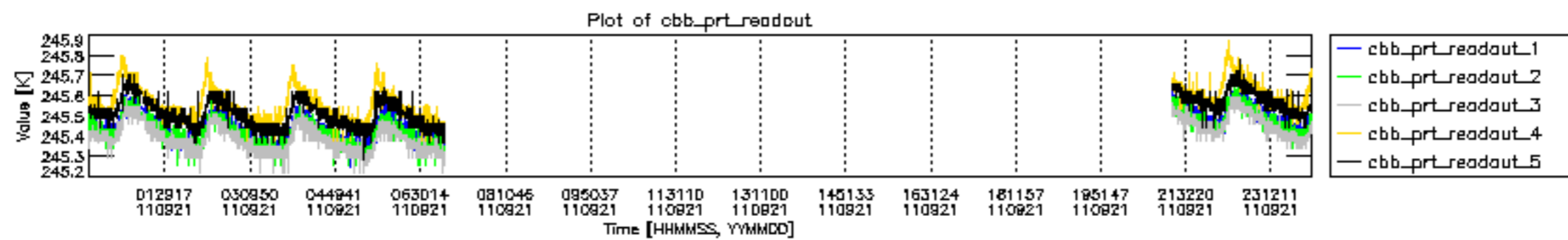


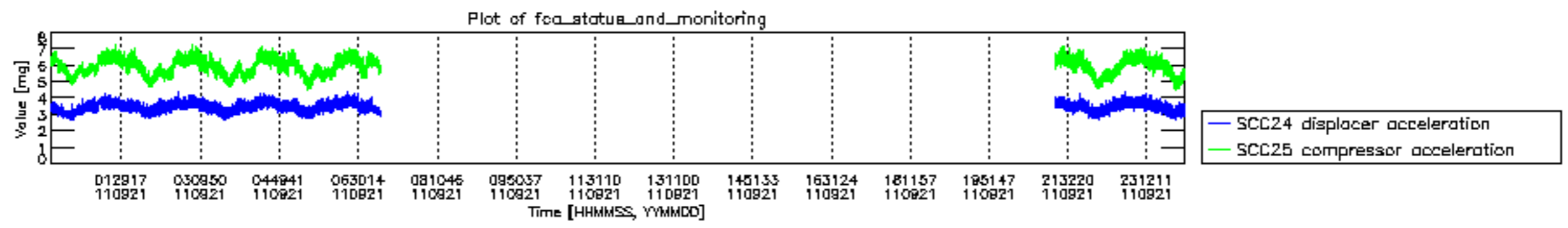












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.



