

## 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	08APR2011 05:22:52
Data source version	KSPT_L0/4504-N
Processing scope for products	03APR2011 00:00:00 to 04APR2011 00:00:00
Start time of first product within scope	03APR2011 00:12:32
Stop time of last product within scope	03APR2011 15:50:35
Total number of level 0 products	10
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.

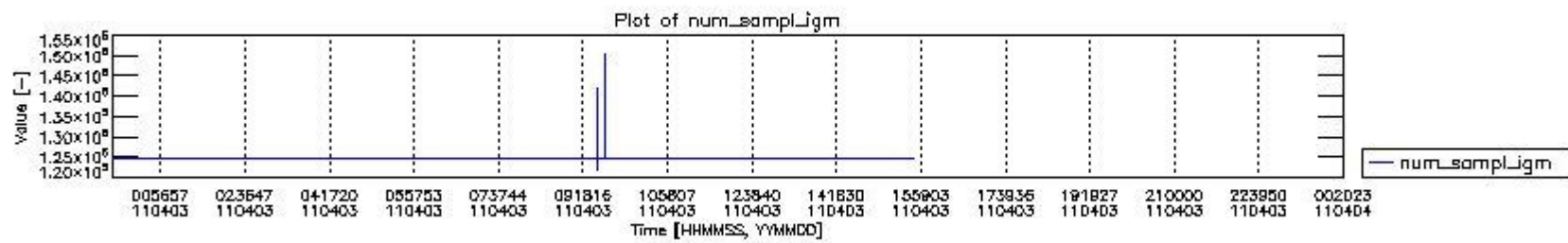
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110403_001232_000059433101_00102_47530_3358.N1	03APR2011 00:12:32	03APR2011 01:51:35	0	0	0	0	0
1	MIP_NL__0PNPDE20110403_015037_000044503101_00103_47531_3359.N1	03APR2011 01:50:37	03APR2011 03:04:46	0	0	0	0	0
2	MIP_NL__0PNPDE20110403_030413_000061583101_00104_47532_3360.N1	03APR2011 03:04:13	03APR2011 04:46:51	0	0	0	0	0
3	MIP_NL__0PNPDE20110403_044616_000060813101_00105_47533_3361.N1	03APR2011 04:46:16	03APR2011 06:27:37	0	0	0	0	0
4	MIP_NL__0PNPDK20110403_062705_000040923101_00106_47534_4744.N1	03APR2011 06:27:05	03APR2011 07:35:18	0	0	0	0	0
5	MIP_NL__0PNPDK20110403_073444_000061063101_00107_47535_4745.N1	03APR2011 07:34:44	03APR2011 09:16:31	0	0	0	0	0
6	MIP_NL__0PNPDK20110403_091547_000059253101_00108_47536_4746.N1	03APR2011 09:15:47	03APR2011 10:54:32	0	0	0	0	0
7	MIP_NL__0PNPDK20110403_105348_000060043101_00109_47537_4747.N1	03APR2011 10:53:48	03APR2011 12:33:52	0	0	0	0	0
8	MIP_NL__0PNPDK20110403_123310_000059433101_00110_47538_4748.N1	03APR2011 12:33:10	03APR2011 14:12:13	0	0	0	0	0
9	MIP_NL__0PNPDK20110403_141113_000059623101_00111_47539_4749.N1	03APR2011 14:11:13	03APR2011 15:50:35	0	0	0	0	0

## 0.2 Instrument Operational Performance Parameters

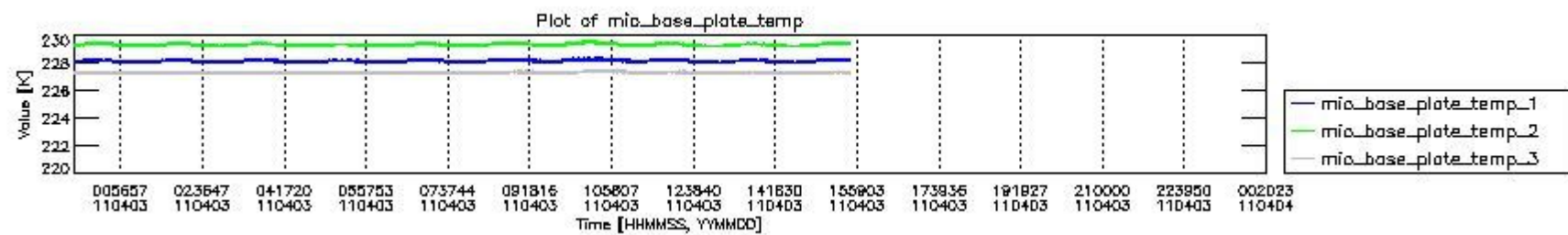
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP\_NL\_\_0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is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

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

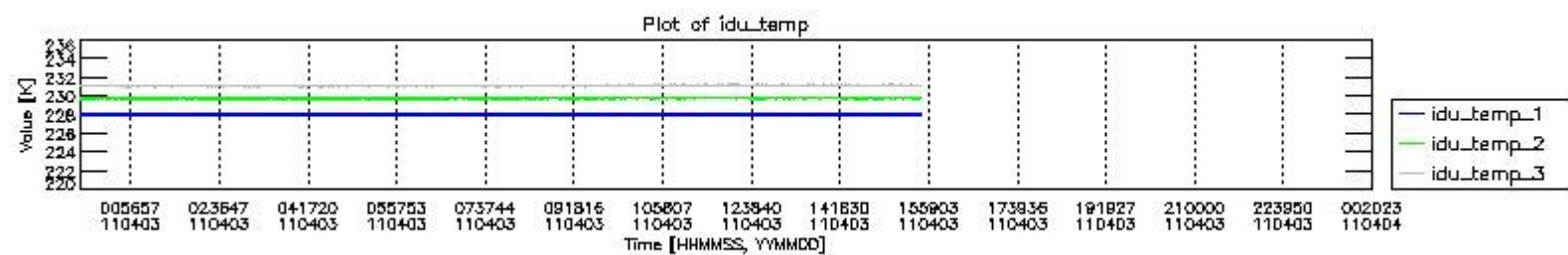
Number of igm samples	Count [#]	Count [%]
121658	1	0.0036473721
124800	25473	92.909509
124803	1938	7.0686071
127456	1	0.0036473721
138648	1	0.0036473721
141790	1	0.0036473721
147588	1	0.0036473721
150244	1	0.0036473721



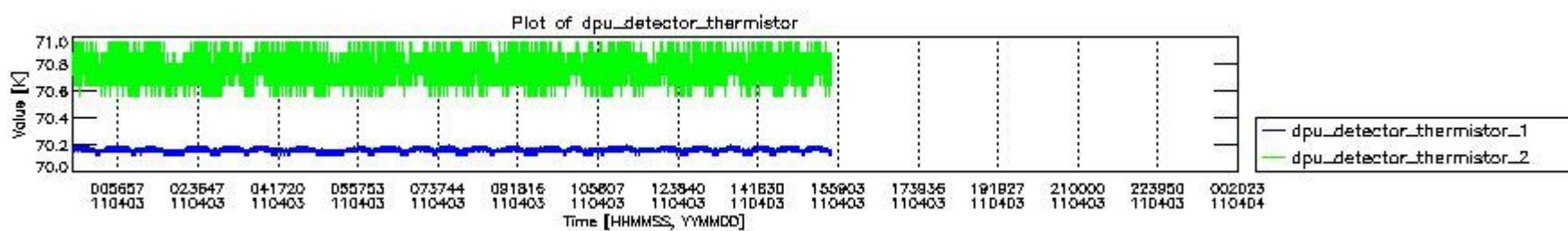
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110403\_0.PNG



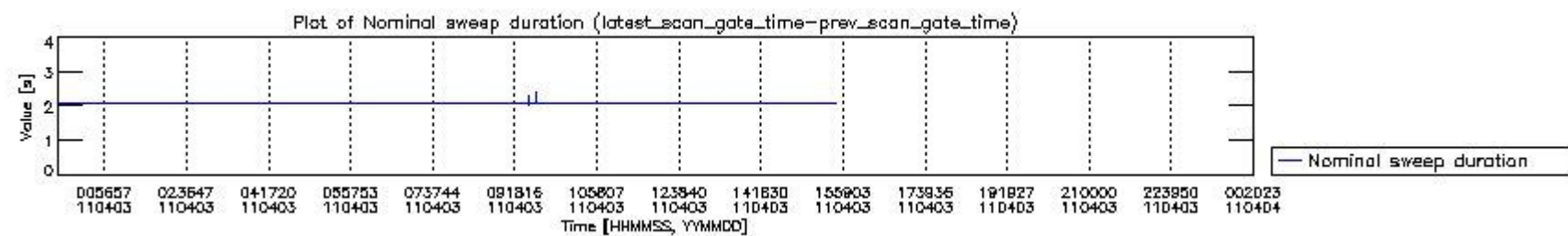
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110403\_1.PNG



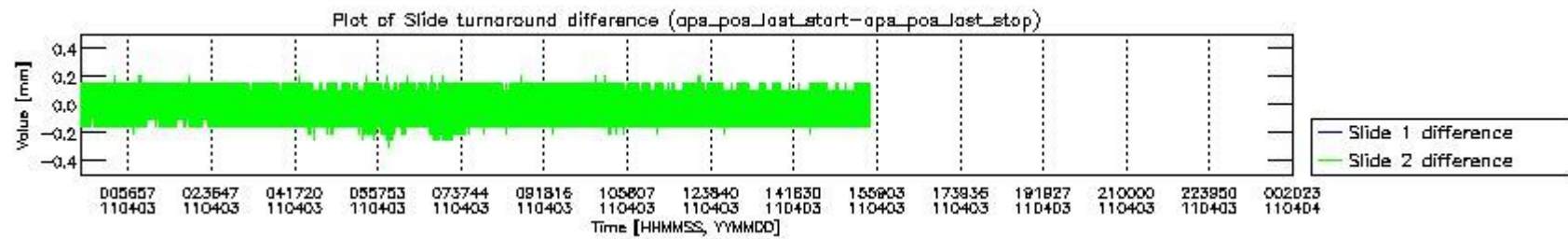
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110403\_2.PNG



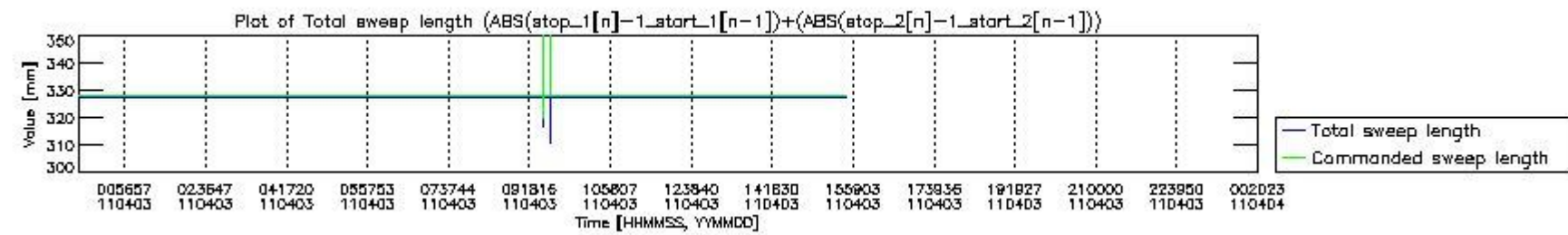
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110403\_3.PNG



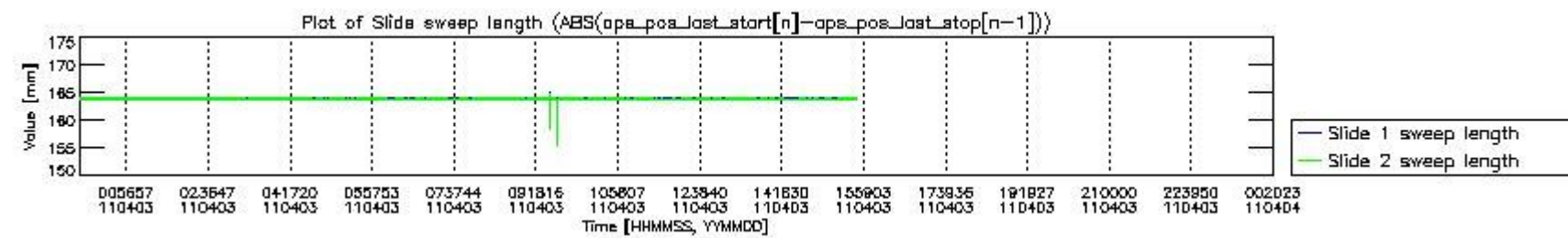
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110403\_4.PNG



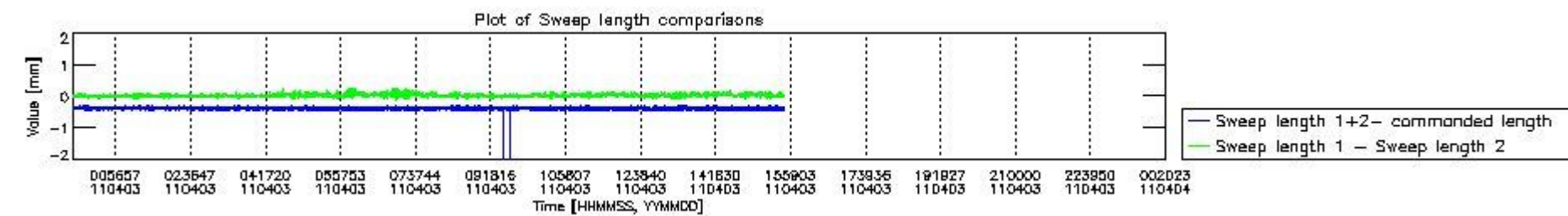
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110403\_5.PNG



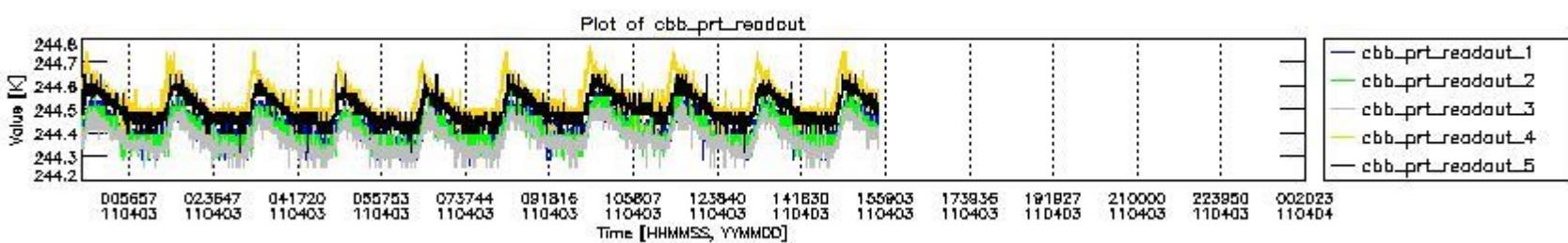
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110403\_6.PNG



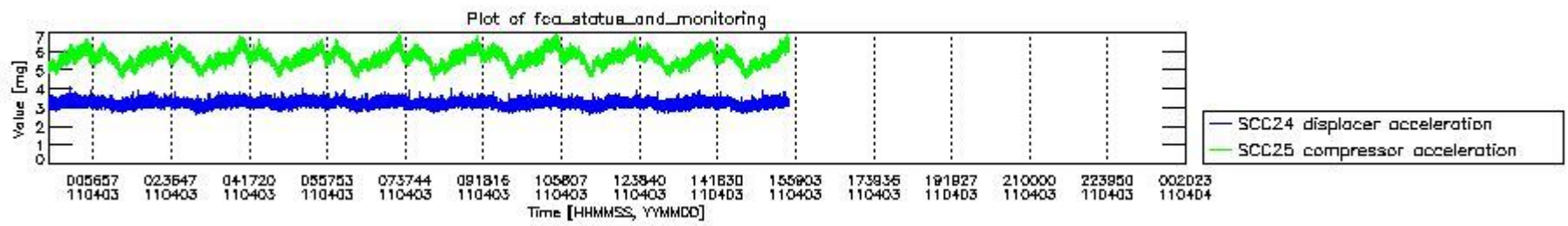
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110403\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110403\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110403\_9.PNG



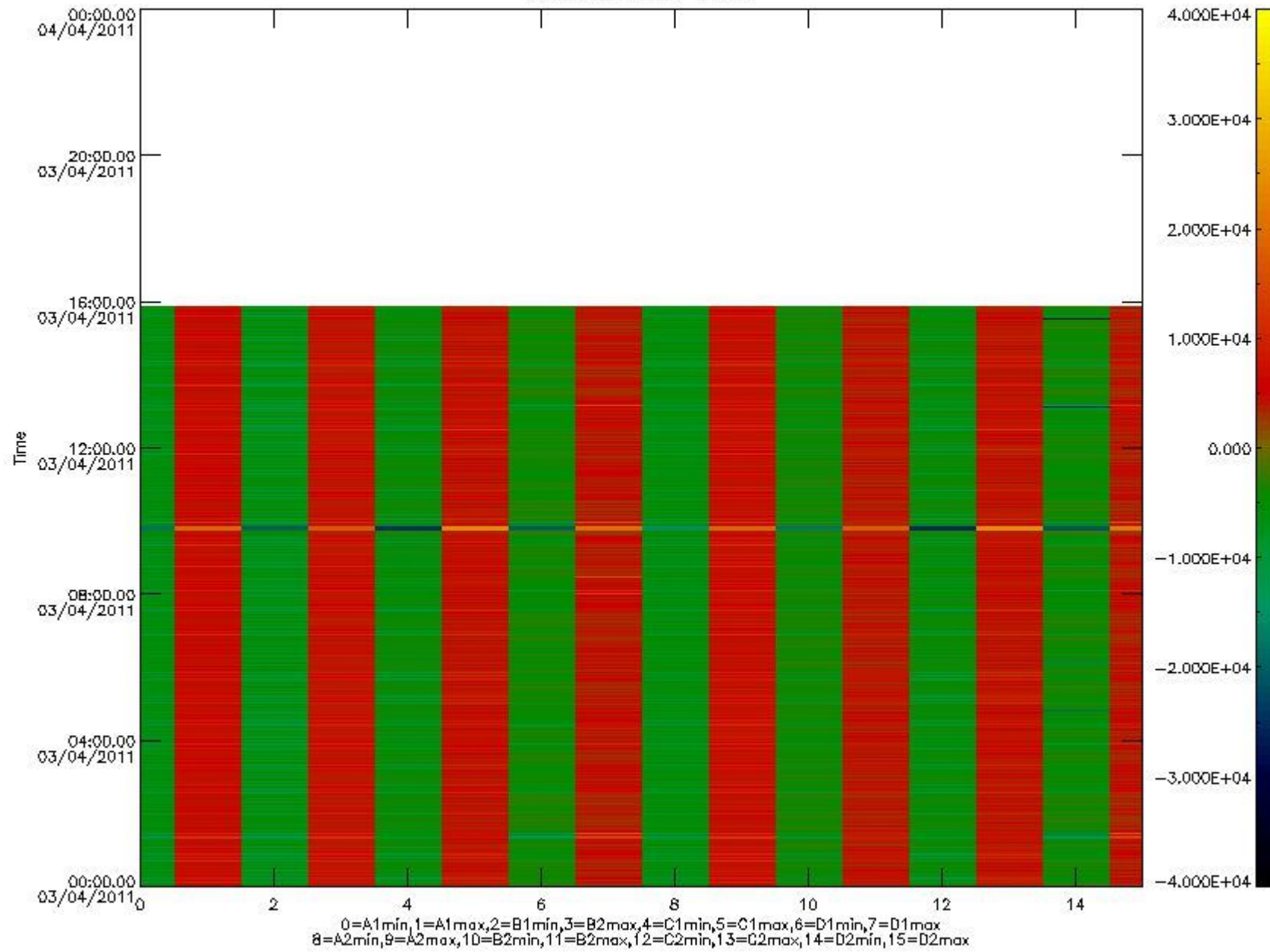
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110403\_10.PNG

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

Channel	Min	Max	ADC
A1	-17955	19006	16bit
B1	-20270	17470	16bit
C1	-25302	24315	16bit
D1	-32521	32767	16bit
A2	-15564	19196	16bit
B2	-18397	18023	16bit
C2	-25499	25044	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\_20110403\_11.PNG

### 0.3 ADF monitoring

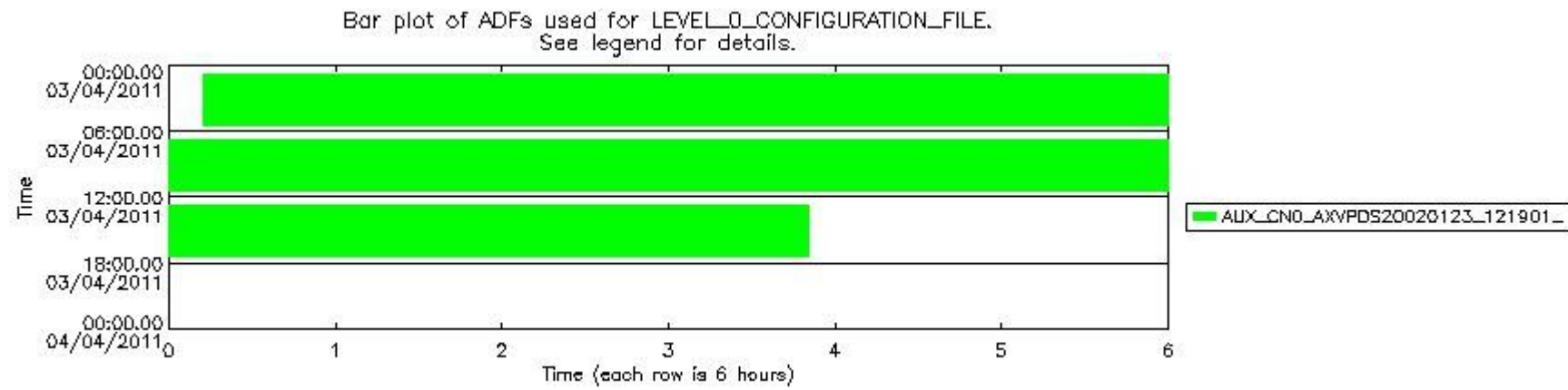
The use of ADFs is shown in two ways:

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.

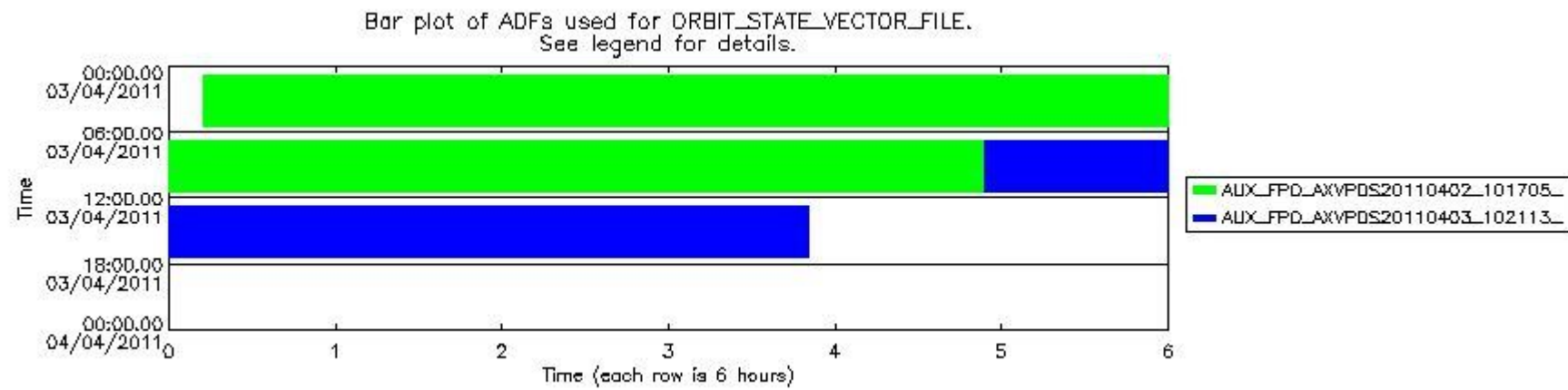
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110402_101705_20110401_182043_20110411_203431
2	AUX_FPO_AXVPDS20110403_102113_20110402_192413_20110412_213801

Number	Product name	#CN0	#FPO
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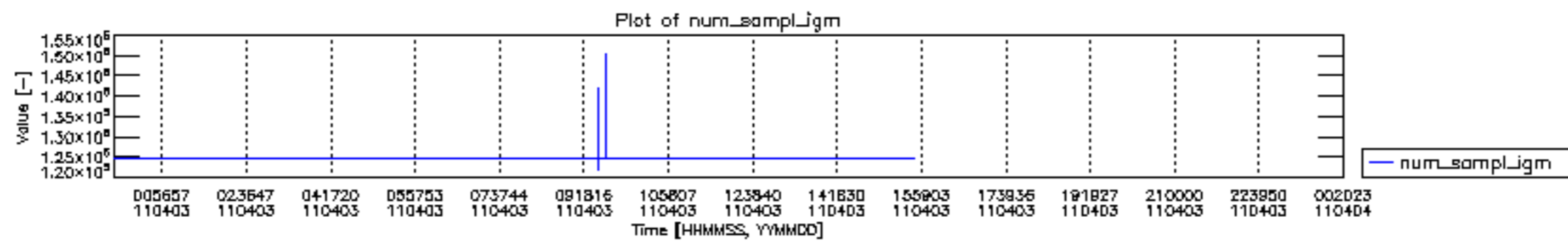
0	MIP_NL__0PNPDE20110403_001232_000059433101_00102_47530_3358.N1	0	1
1	MIP_NL__0PNPDE20110403_015037_000044503101_00103_47531_3359.N1	0	1
2	MIP_NL__0PNPDE20110403_030413_000061583101_00104_47532_3360.N1	0	1
3	MIP_NL__0PNPDE20110403_044616_000060813101_00105_47533_3361.N1	0	1
4	MIP_NL__0PNPDK20110403_062705_000040923101_00106_47534_4744.N1	0	1
5	MIP_NL__0PNPDK20110403_073444_000061063101_00107_47535_4745.N1	0	1
6	MIP_NL__0PNPDK20110403_091547_000059253101_00108_47536_4746.N1	0	1
7	MIP_NL__0PNPDK20110403_105348_000060043101_00109_47537_4747.N1	0	2
8	MIP_NL__0PNPDK20110403_123310_000059433101_00110_47538_4748.N1	0	2
9	MIP_NL__0PNPDK20110403_141113_000059623101_00111_47539_4749.N1	0	2

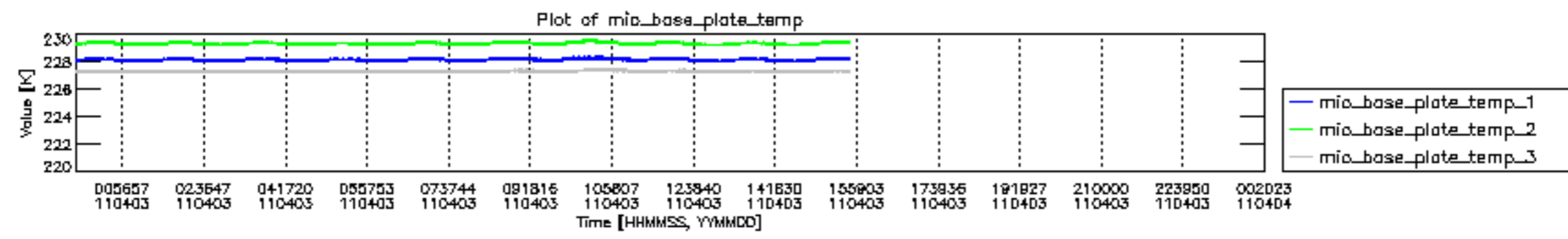


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110403\_12.PNG

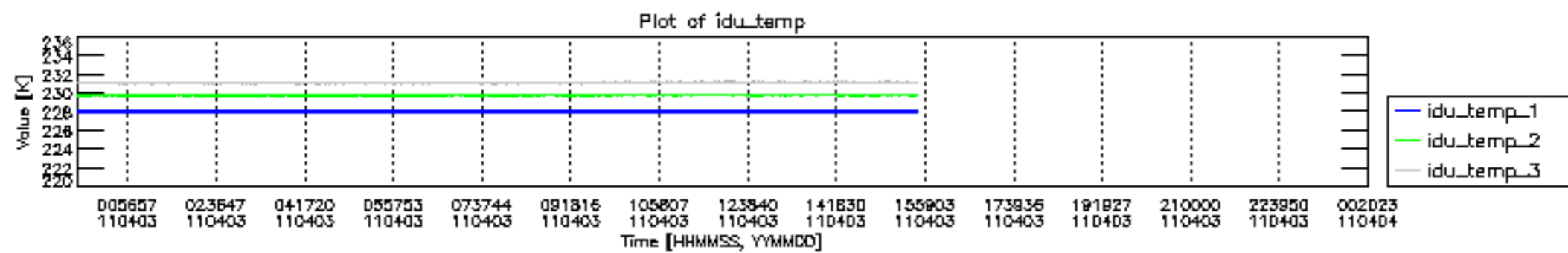


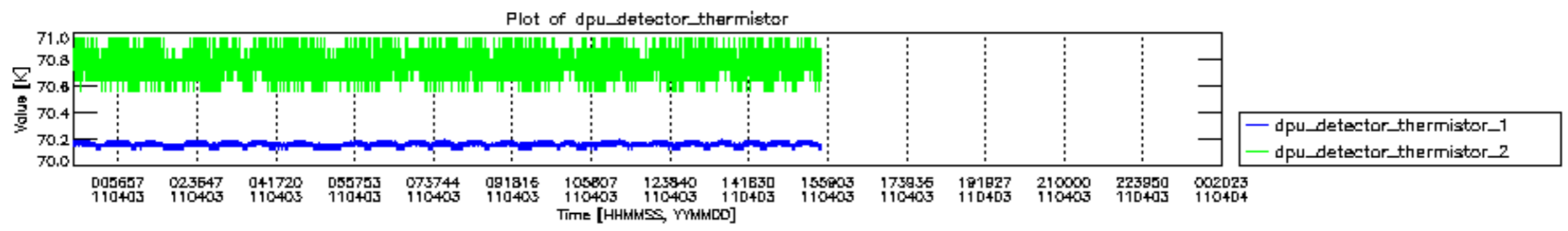
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110403\_13.PNG

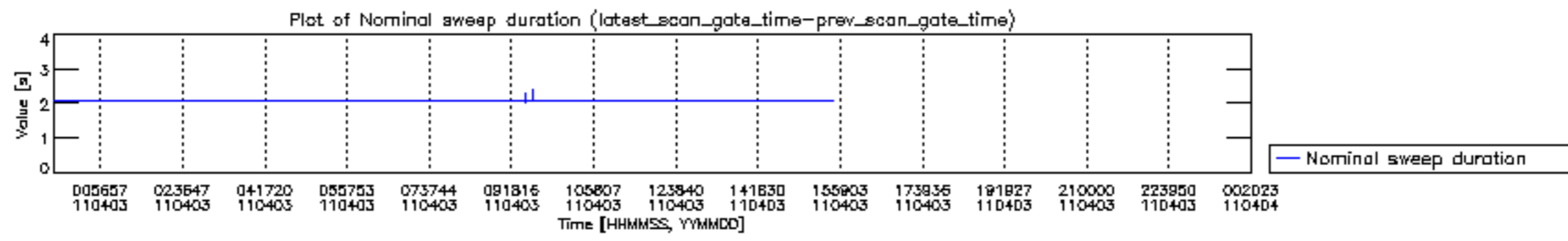


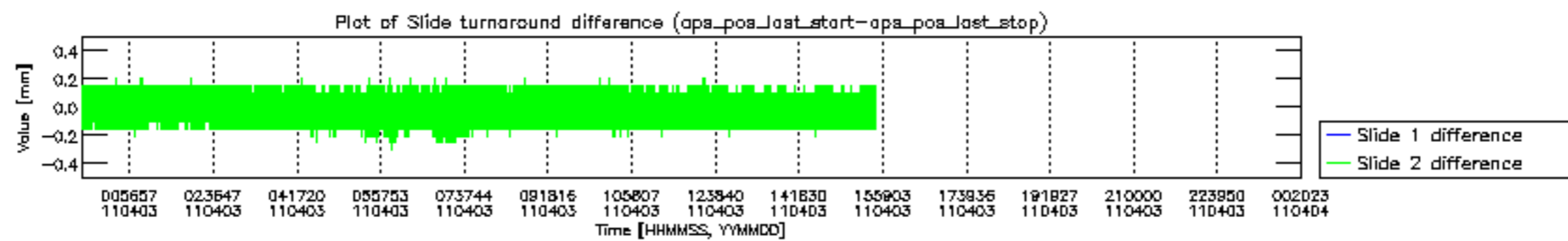


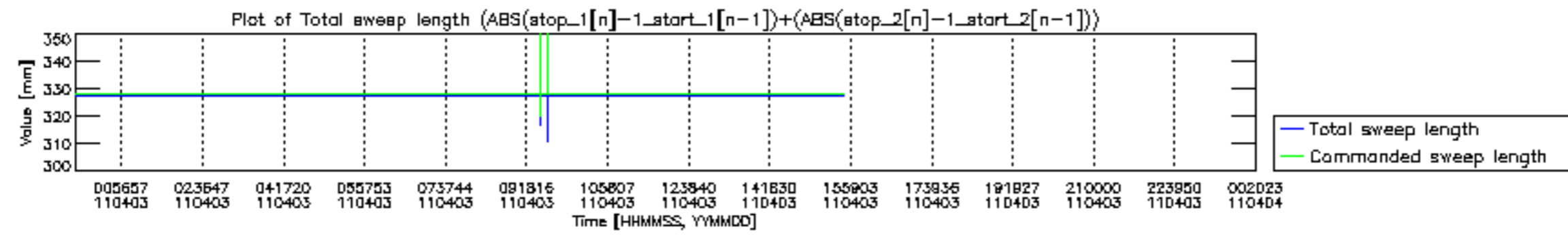




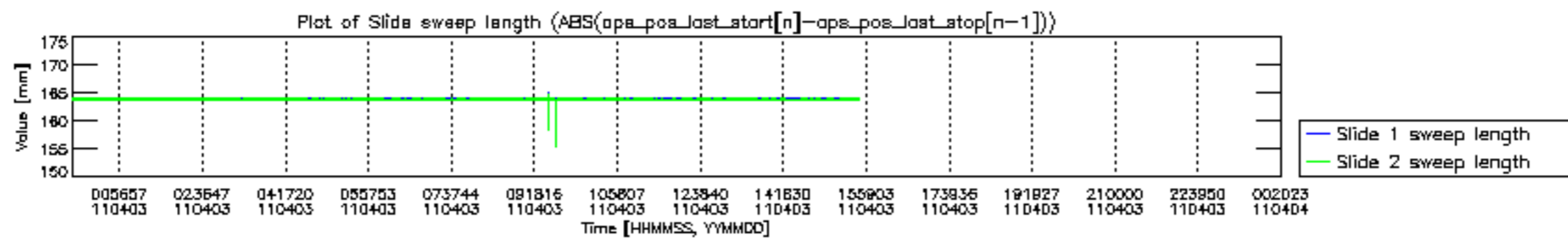


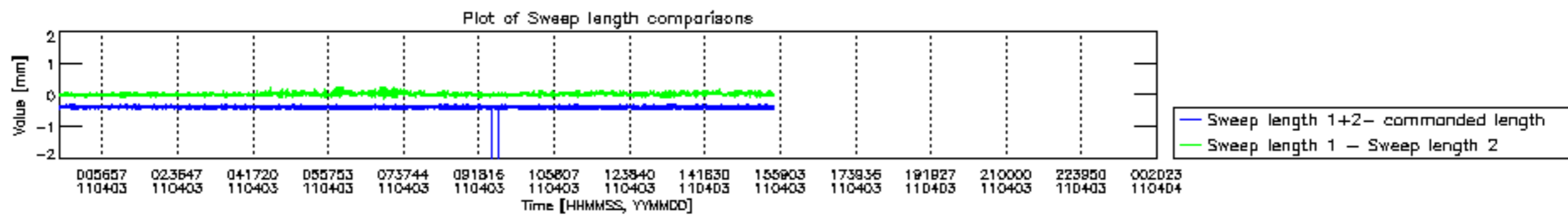


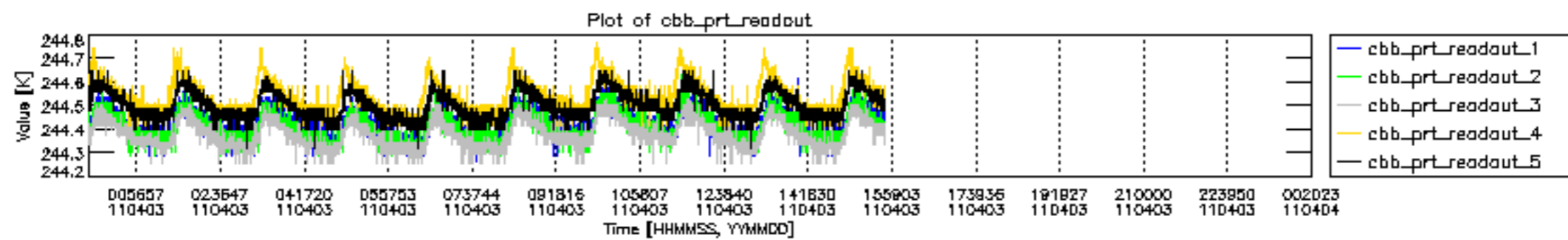


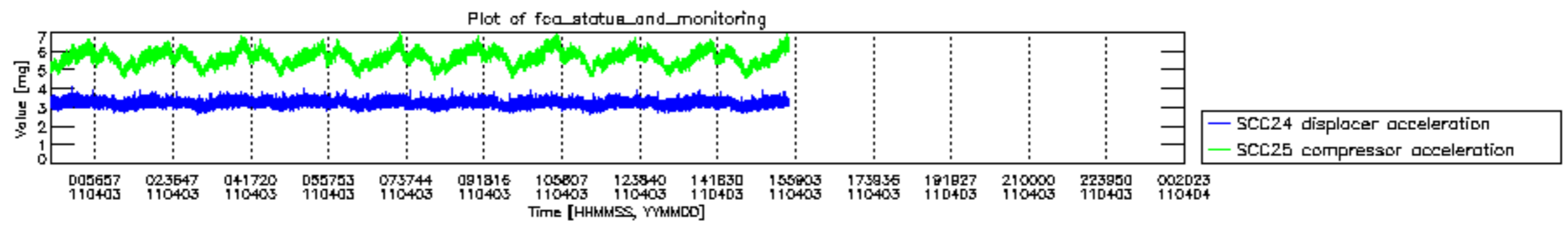












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

