

## 0. MIPAS Daily Report for level 0 products

### [0.1 General Info](#)

### [0.2 Instrument Operational Performance Parameters](#)

### [0.3 ADF monitoring](#)

## 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	01OCT2011 05:26:15
Data source version	KSPT_L0/4504-N
Processing scope for products	26SEP2011 00:00:00 to 27SEP2011 00:00:00
Start time of first product within scope	26SEP2011 01:02:07
Stop time of last product within scope	27SEP2011 00:26:08
Total number of level 0 products	8
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.

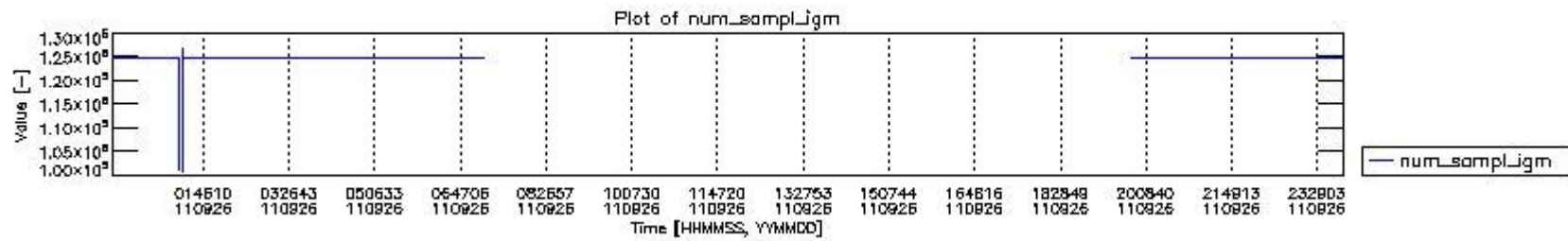
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20110926_010207_000101773107_00045_50059_9715.N1	26SEP2011 01:02:07	26SEP2011 03:51:44	0	0	0	0	0
1	MIP_NL__0PNPDE20110926_012204_000013273107_00046_50060_4547.N1	26SEP2011 01:22:04	26SEP2011 01:44:10	0	0	0	0	0
2	MIP_NL__0PNPDE20110926_014410_000076543107_00046_50060_4548.N1	26SEP2011 01:44:10	26SEP2011 03:51:44	0	0	0	0	0
3	MIP_NL__0PNPDE20110926_035048_000062523107_00047_50061_9716.N1	26SEP2011 03:50:48	26SEP2011 05:35:00	0	0	0	0	0
4	MIP_NL__0PNPDE20110926_053404_000060773107_00048_50062_9717.N1	26SEP2011 05:34:04	26SEP2011 07:15:21	0	0	0	0	0
5	MIP_NL__0PNPDE20110926_195159_000040363107_00057_50071_9718.N1	26SEP2011 19:51:59	26SEP2011 20:59:15	0	0	0	0	0
6	MIP_NL__0PNPDE20110926_205731_000065303107_00057_50071_9719.N1	26SEP2011 20:57:31	26SEP2011 22:46:21	0	0	0	0	0
7	MIP_NL__0PNPDE20110926_224520_000060483107_00058_50072_9720.N1	26SEP2011 22:45:20	27SEP2011 00:26:08	0	0	0	0	0

## 0.2 Instrument Operational Performance Parameters

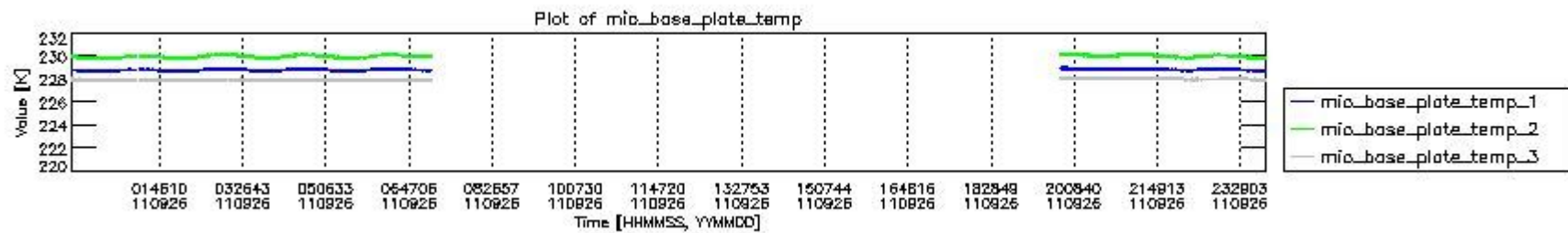
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP\_NL\_\_0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is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

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

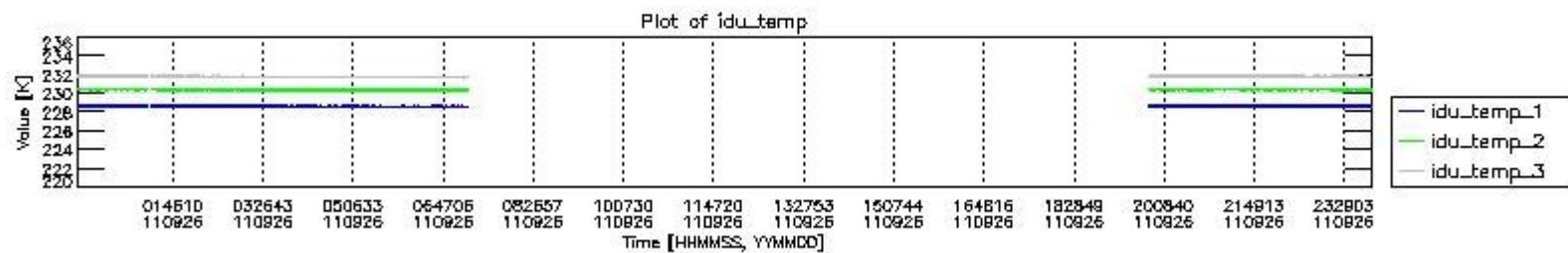
Number of igm samples	Count [#]	Count [%]
100632	1	0.0051043847
101030	1	0.0051043847
102849	1	0.0051043847
122981	1	0.0051043847
124800	18255	93.180542
124803	1330	6.7888316
125884	1	0.0051043847
126968	1	0.0051043847



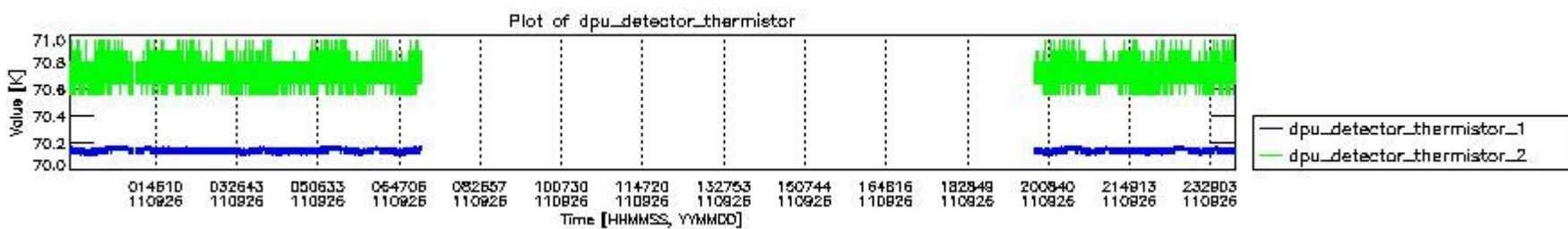
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110926\_0.PNG



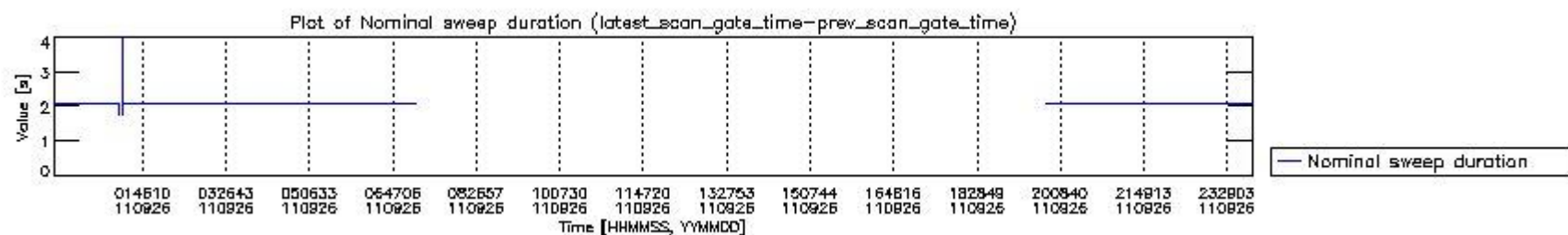
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110926\_1.PNG



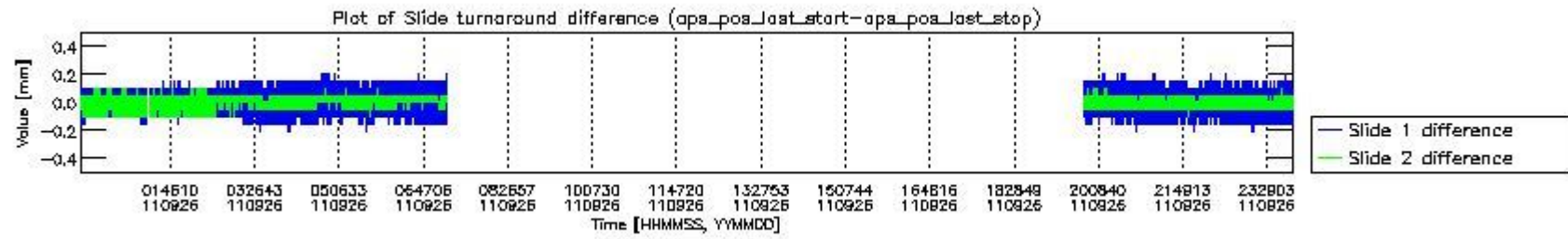
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110926\_2.PNG



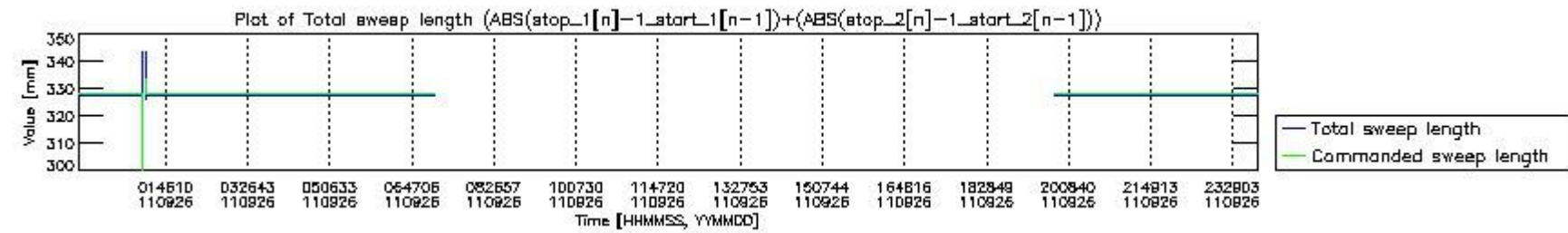
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110926\_3.PNG



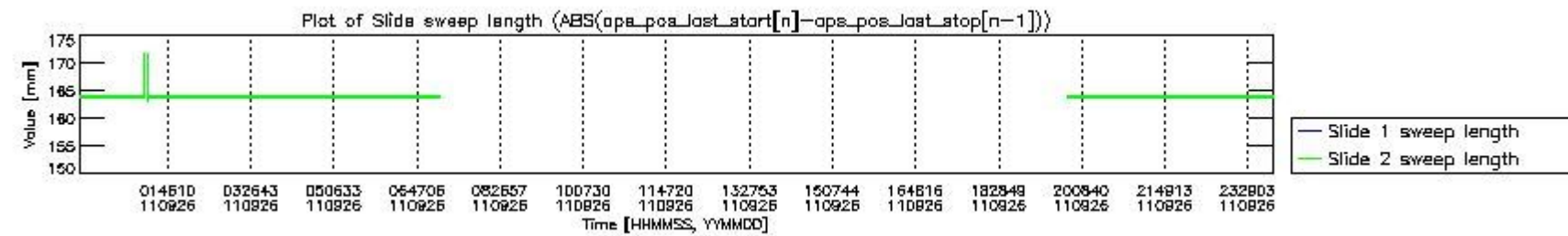
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110926\_4.PNG



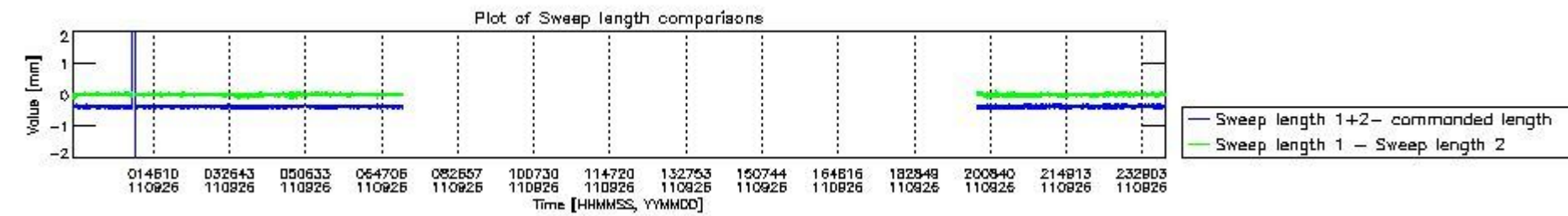
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110926\_5.PNG



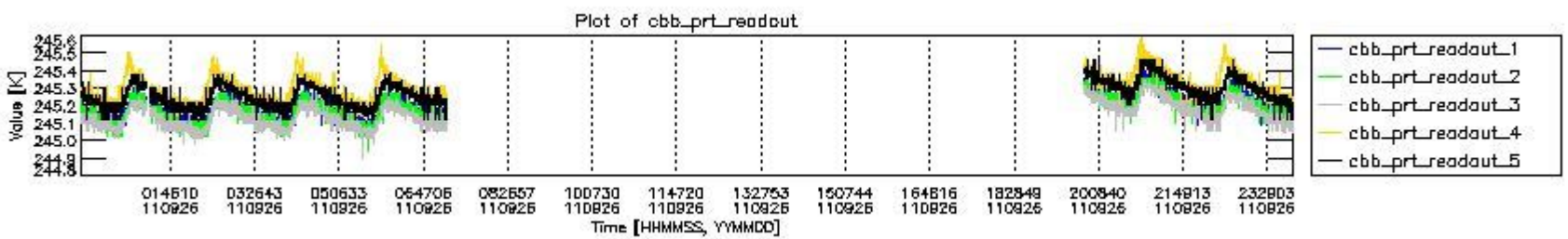
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110926\_6.PNG



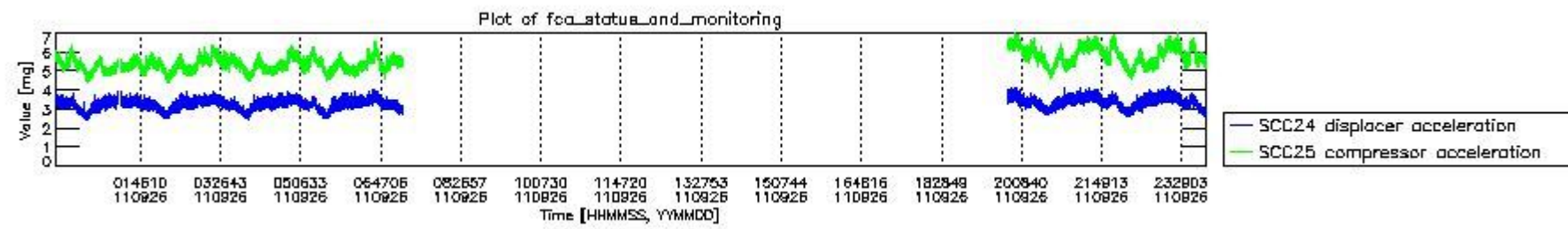
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110926\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110926\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110926\_9.PNG

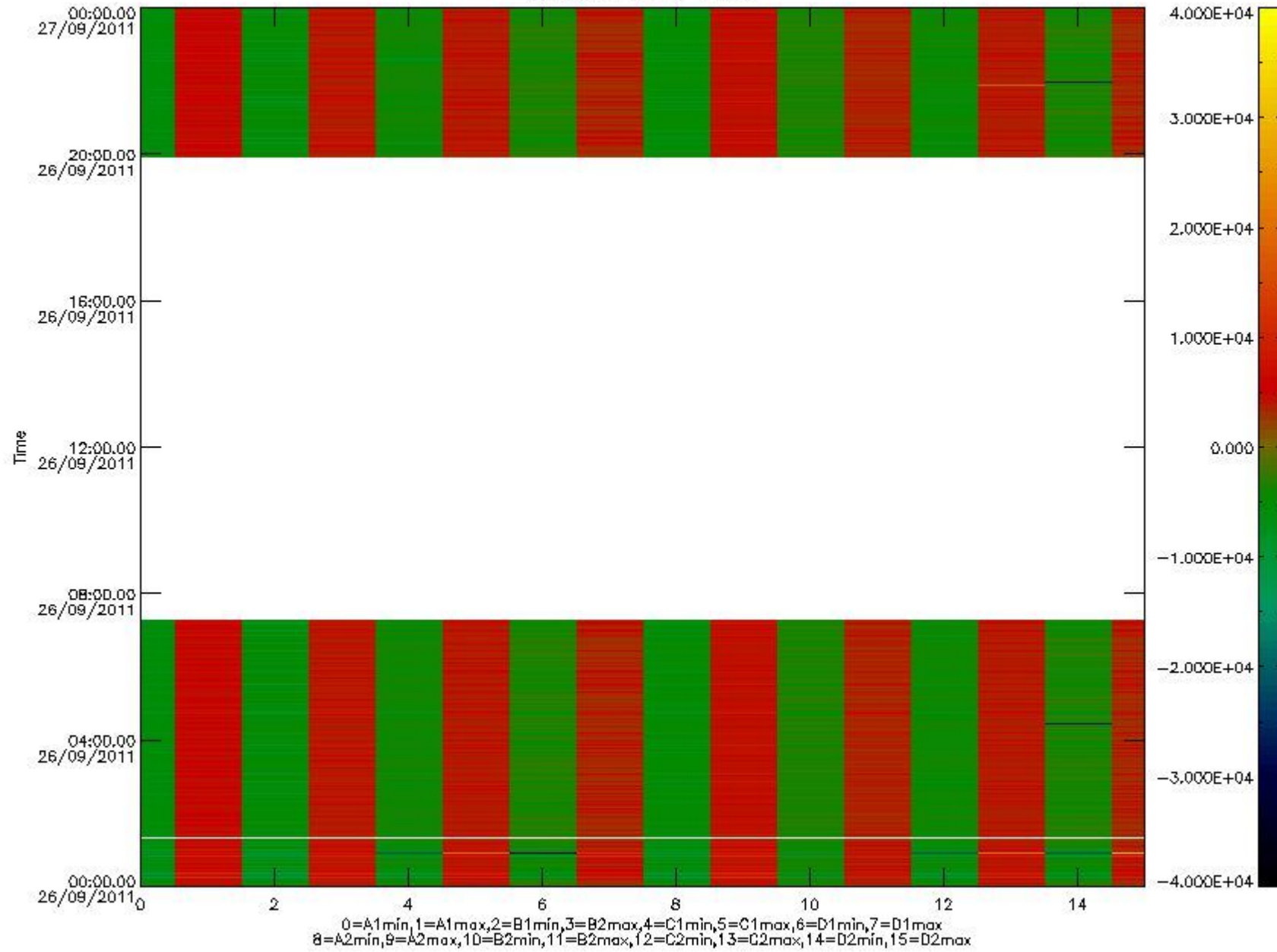


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110926\_10.PNG

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

Channel	Min	Max	ADC
A1	-16721	17429	16bit
B1	-17012	14932	16bit
C1	-23167	21978	16bit
D1	-32768	32767	16bit
A2	-14272	17195	16bit
B2	-14688	14501	16bit
C2	-23117	23022	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\_20110926\_11.PNG

### 0.3 ADF monitoring

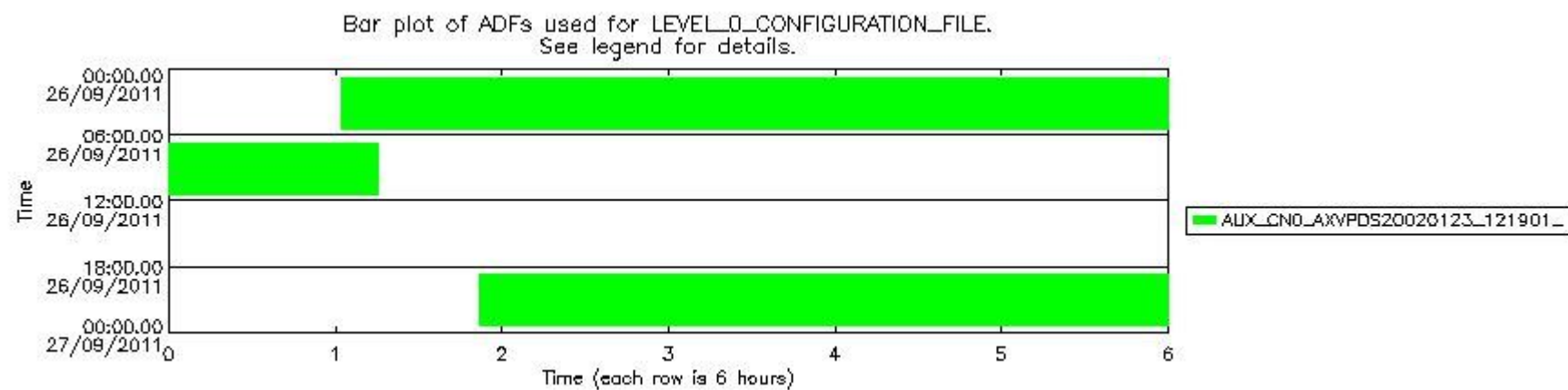
The use of ADFs is shown in two ways:

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.

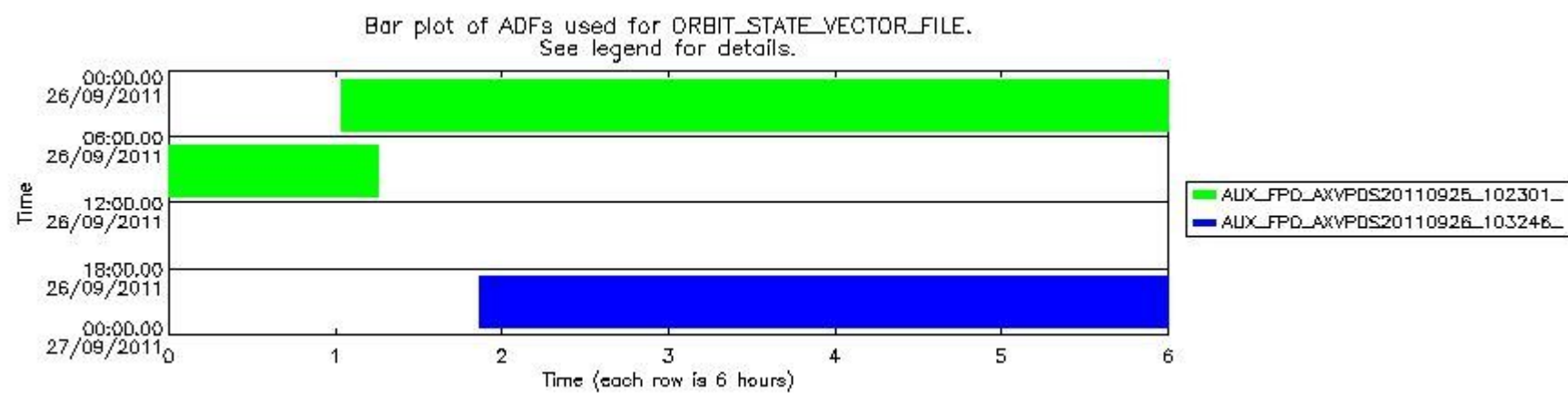
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110925_102301_20110924_191002_20111004_212346
2	AUX_FPO_AXVPDS20110926_103246_20110925_183317_20111005_204701

Number	Product name	#CN0	#FPO
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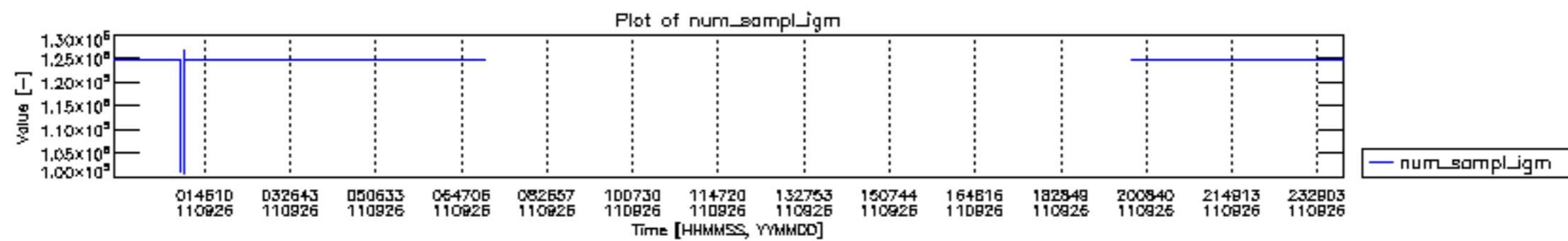
0	MIP_NL__0PNPDE20110926_010207_000101773107_00045_50059_9715.N1	0	1
1	MIP_NL__0PNPDE20110926_012204_000013273107_00046_50060_4547.N1	0	1
2	MIP_NL__0PNPDE20110926_014410_000076543107_00046_50060_4548.N1	0	1
3	MIP_NL__0PNPDE20110926_035048_000062523107_00047_50061_9716.N1	0	1
4	MIP_NL__0PNPDE20110926_053404_000060773107_00048_50062_9717.N1	0	1
5	MIP_NL__0PNPDE20110926_195159_000040363107_00057_50071_9718.N1	0	2
6	MIP_NL__0PNPDE20110926_205731_000065303107_00057_50071_9719.N1	0	2
7	MIP_NL__0PNPDE20110926_224520_000060483107_00058_50072_9720.N1	0	2

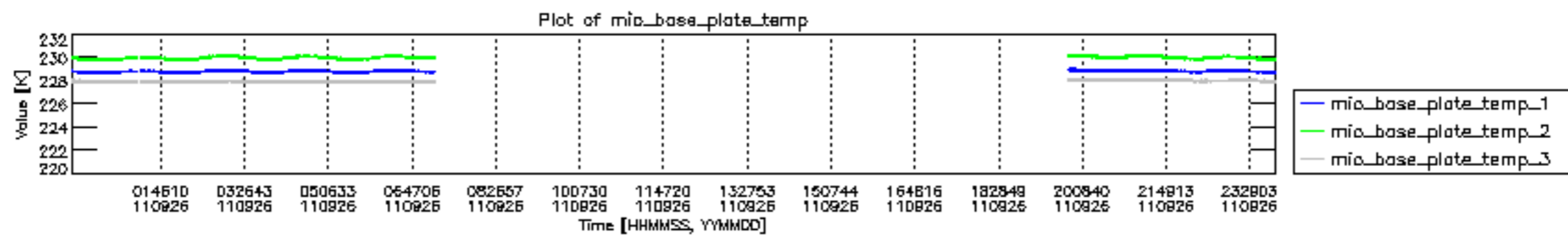


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110926\_12.PNG

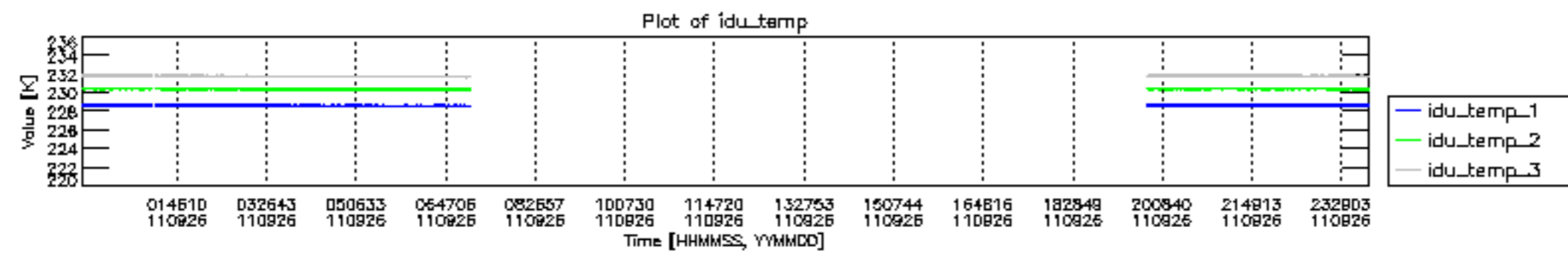


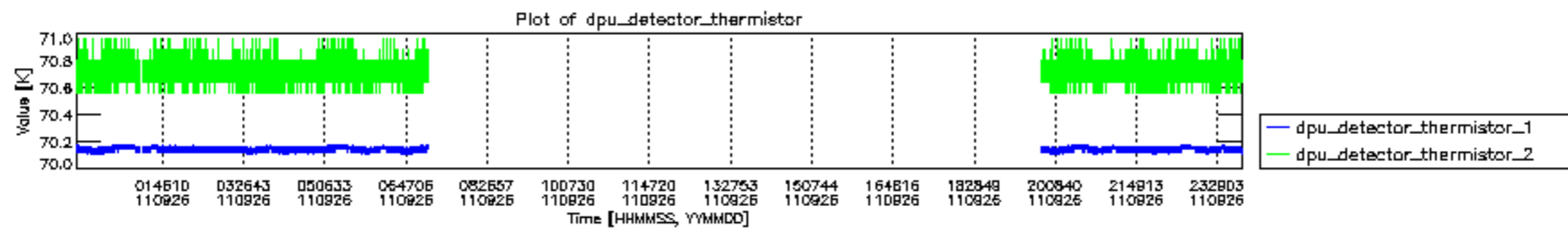
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110926\_13.PNG

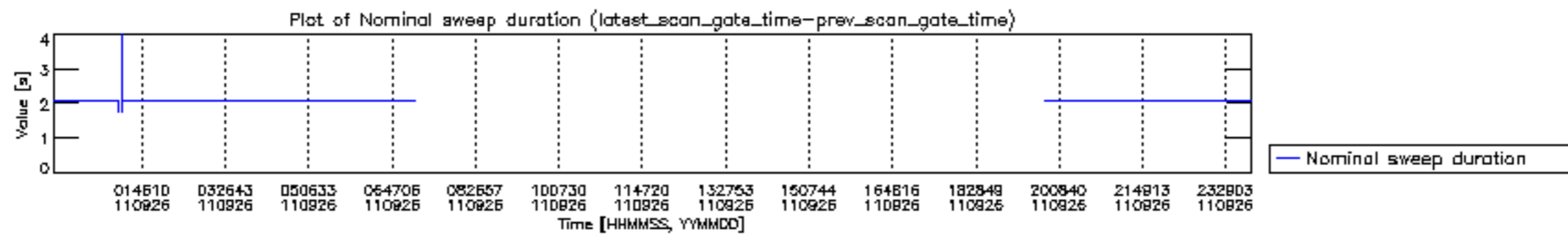


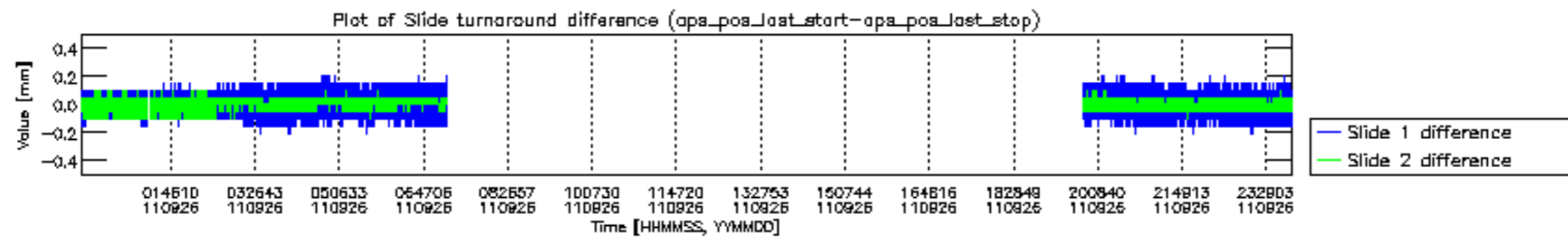


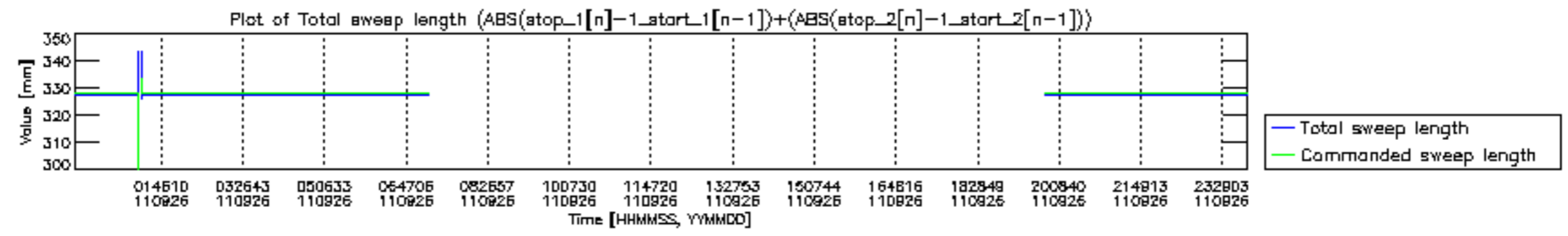


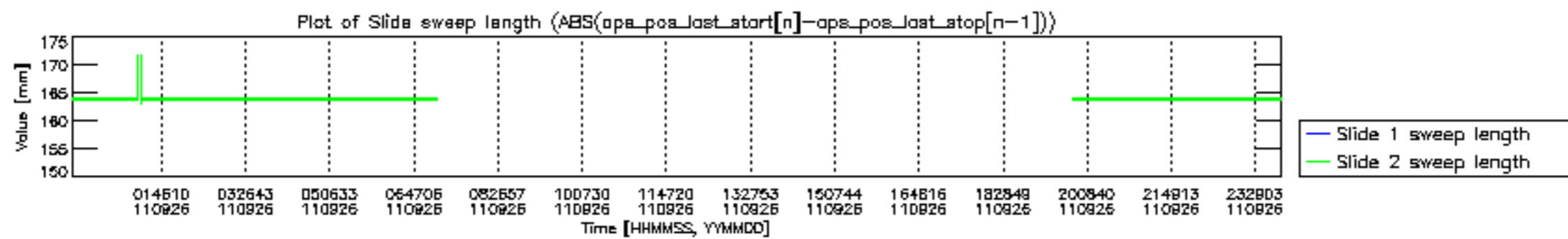


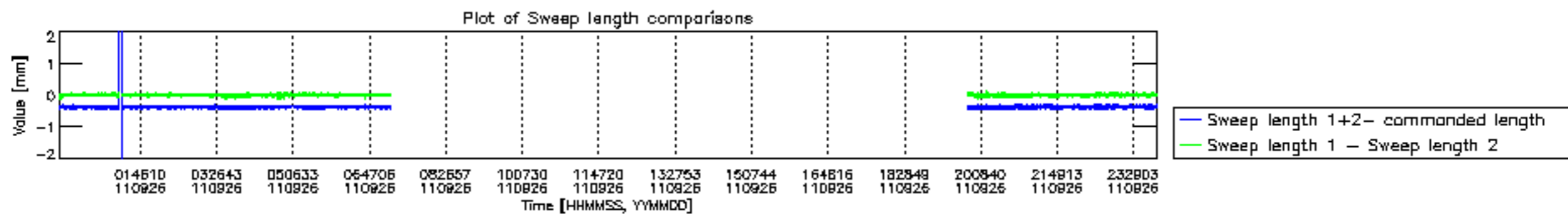


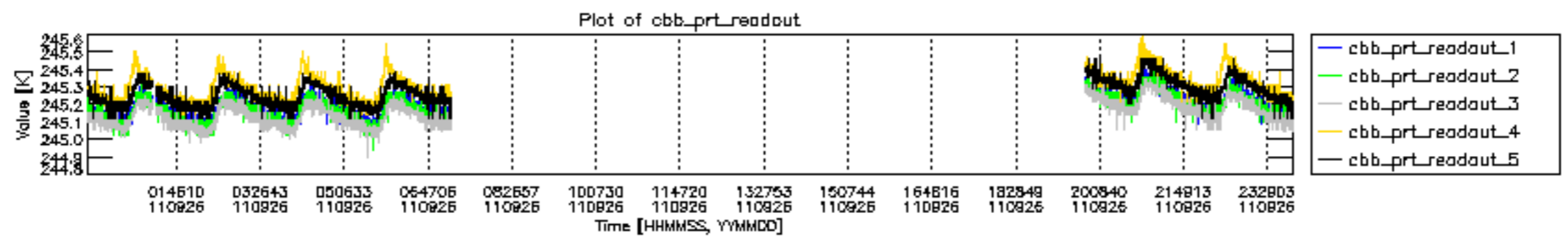




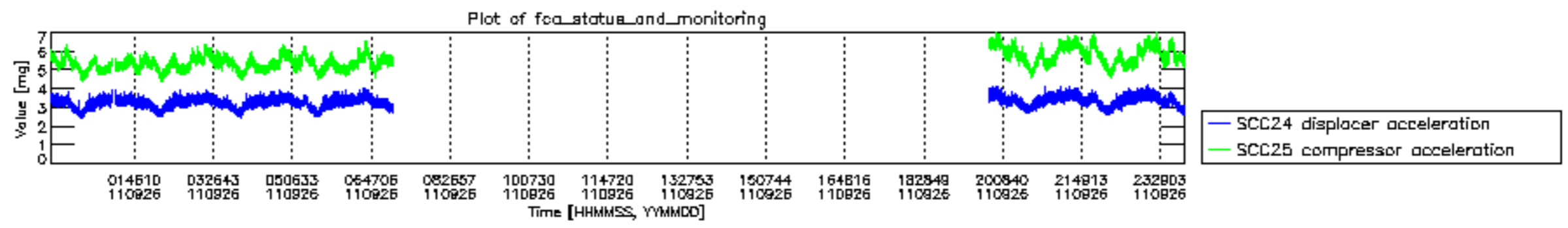












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

