

## 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	02NOV2011 05:24:51
Data source version	KSPT_L0/4504-N
Processing scope for products	28OCT2011 00:00:00 to 29OCT2011 00:00:00
Start time of first product within scope	28OCT2011 01:27:13
Stop time of last product within scope	29OCT2011 00:52:57
Total number of level 0 products	13
Number of level 0 products with errors	1

### 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__0PNPDE20111028_012713_000103763108_00074_50519_9884.N1	28OCT2011 01:27:13	28OCT2011 04:20:09	0	0	0	0	0
1	MIP_NL__0PNPDE20111028_041938_000062003108_00076_50521_9885.N1	28OCT2011 04:19:38	28OCT2011 06:02:58	0	0	0	0	0
2	MIP_NL__0PNPDK20111028_060224_000041243108_00077_50522_7370.N1	28OCT2011 06:02:24	28OCT2011 07:11:08	1	1	0	0	1
3	MIP_NL__0PNPDK20111028_085114_000060333108_00079_50524_7372.N1	28OCT2011 08:51:14	28OCT2011 10:31:47	0	0	0	0	0
4	MIP_NL__0PNPDK20111028_103022_000060543108_00080_50525_7373.N1	28OCT2011 10:30:22	28OCT2011 12:11:16	0	0	0	0	0
5	MIP_NL__0PNPDK20111028_120937_000058533108_00081_50526_7374.N1	28OCT2011 12:09:37	28OCT2011 13:47:11	0	0	0	0	0
6	MIP_NL__0PNPDK20111028_134531_000060123108_00082_50527_7375.N1	28OCT2011 13:45:31	28OCT2011 15:25:43	0	0	0	0	0
7	MIP_NL__0PNPDK20111028_152413_000060523108_00083_50528_7376.N1	28OCT2011 15:24:13	28OCT2011 17:05:05	0	0	0	0	0
8	MIP_NL__0PNPDK20111028_170417_000058243108_00084_50529_7377.N1	28OCT2011 17:04:17	28OCT2011 18:41:21	0	0	0	0	0
9	MIP_NL__0PNPDK20111028_184020_000060923108_00085_50530_7378.N1	28OCT2011 18:40:20	28OCT2011 20:21:52	0	0	0	0	0
10	MIP_NL__0PNPDE20111028_202011_000042953108_00086_50531_9888.N1	28OCT2011 20:20:11	28OCT2011 21:31:46	0	0	0	0	0
11	MIP_NL__0PNPDE20111028_213039_000061463108_00086_50531_9889.N1	28OCT2011 21:30:39	28OCT2011 23:13:05	0	0	0	0	0
12	MIP_NL__0PNPDE20111028_231201_000060563108_00087_50532_9890.N1	28OCT2011 23:12:01	29OCT2011 00:52:57	0	0	0	0	0

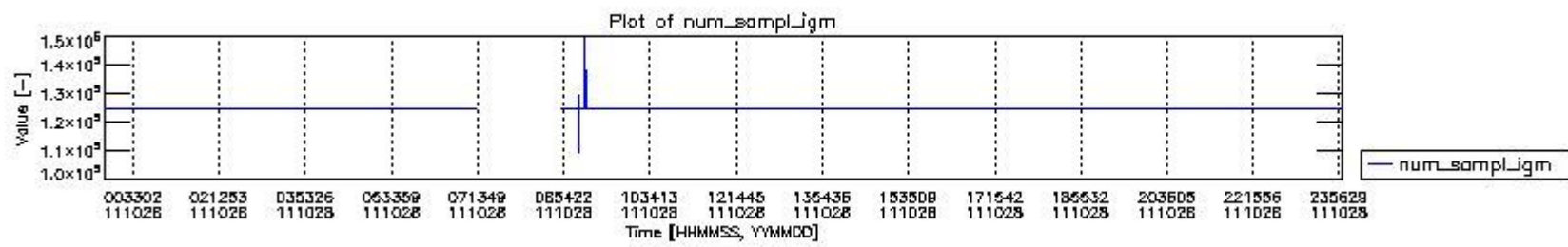
## 0.2 Instrument Operational Performance Parameters

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.

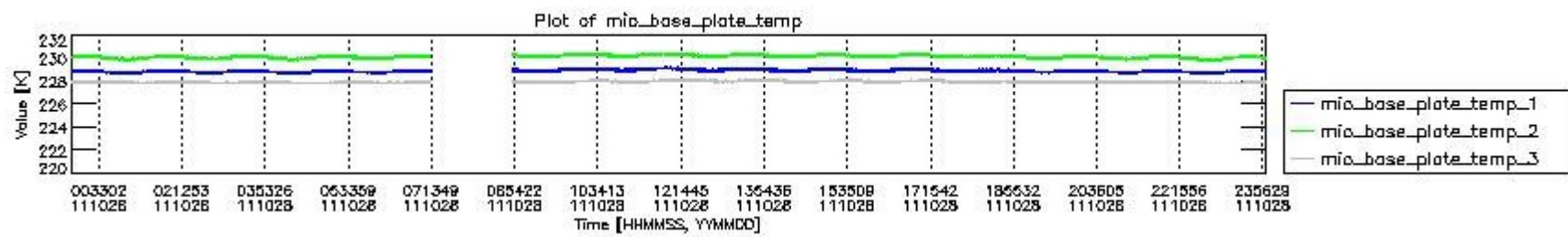
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
109168	1	0.0025865191
113668	1	0.0025865191
124800	35912	92.887073
124803	2744	7.0974083
127159	1	0.0025865191

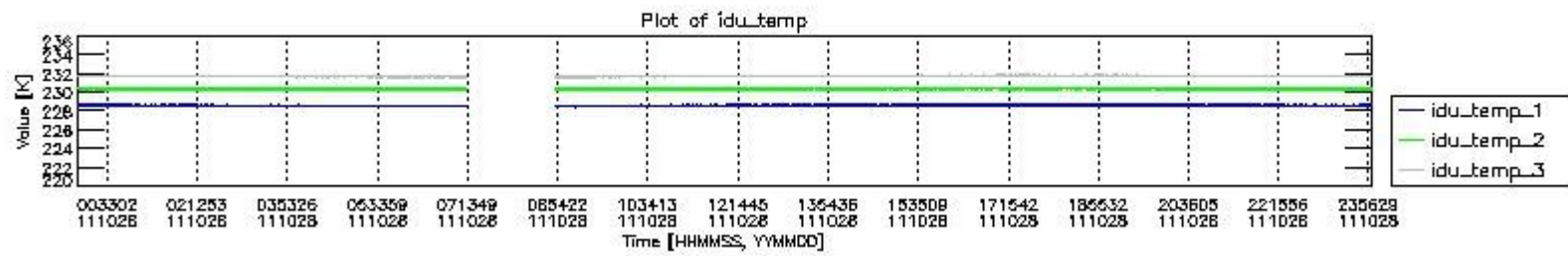
129300	1	0.0025865191
147291	1	0.0025865191
149650	1	0.0025865191



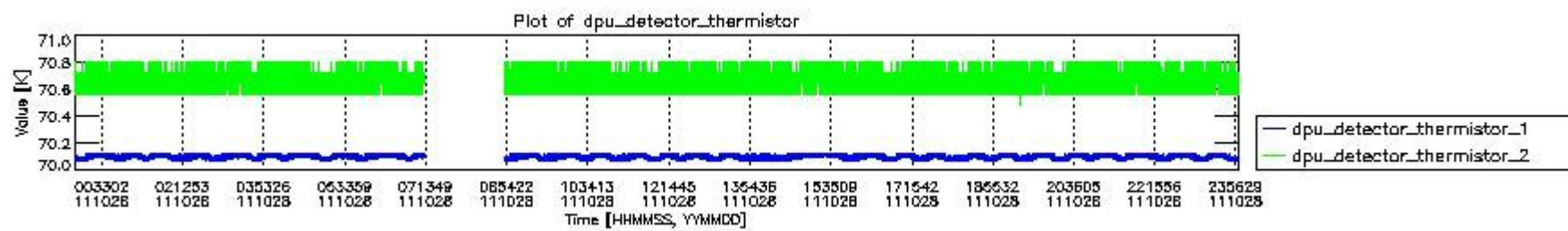
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111028\_0.PNG



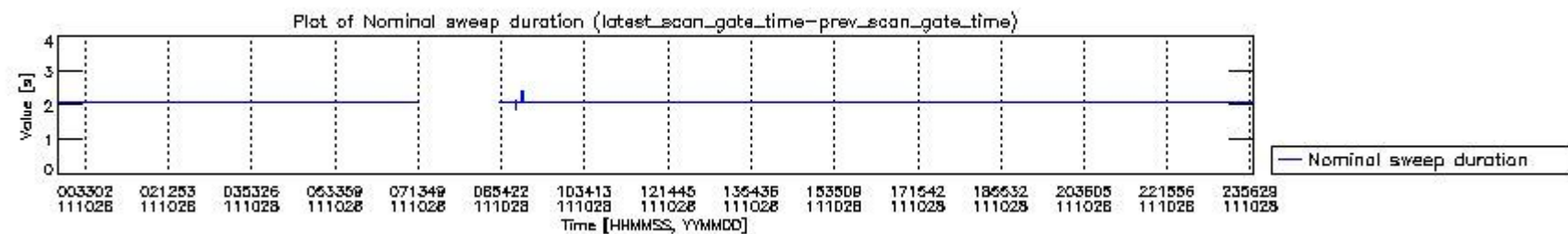
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111028\_1.PNG



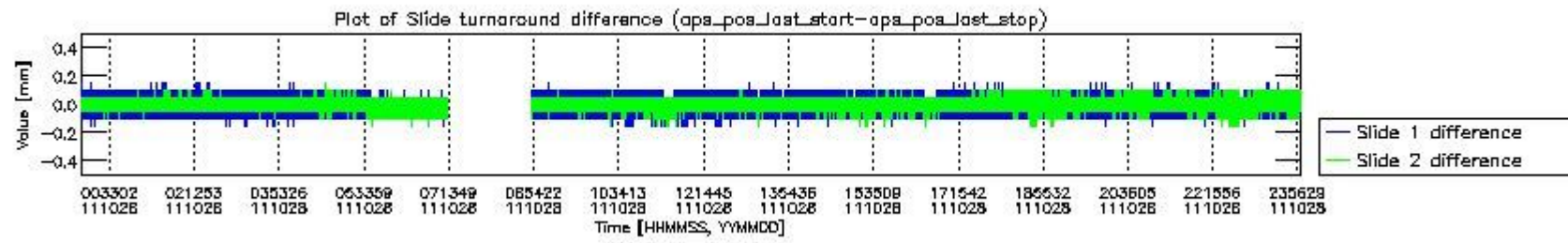
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111028\_2.PNG



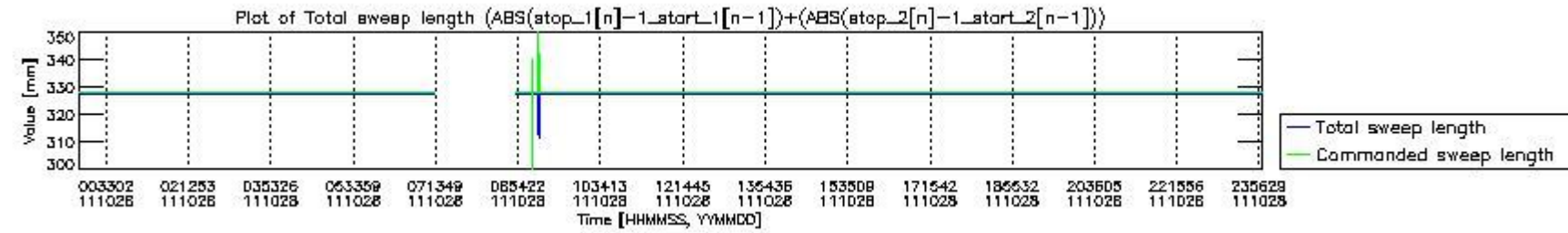
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111028\_3.PNG



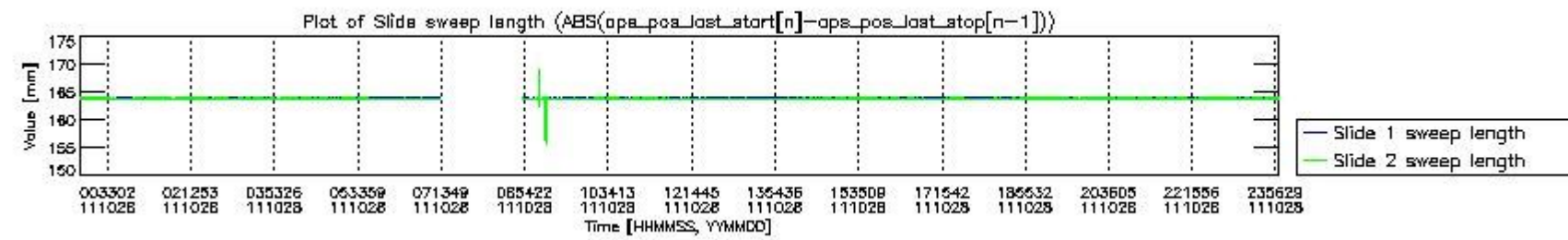
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111028\_4.PNG



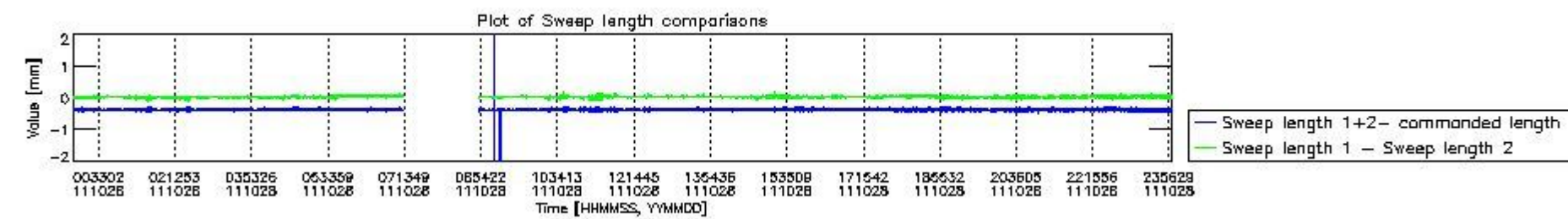
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111028\_5.PNG



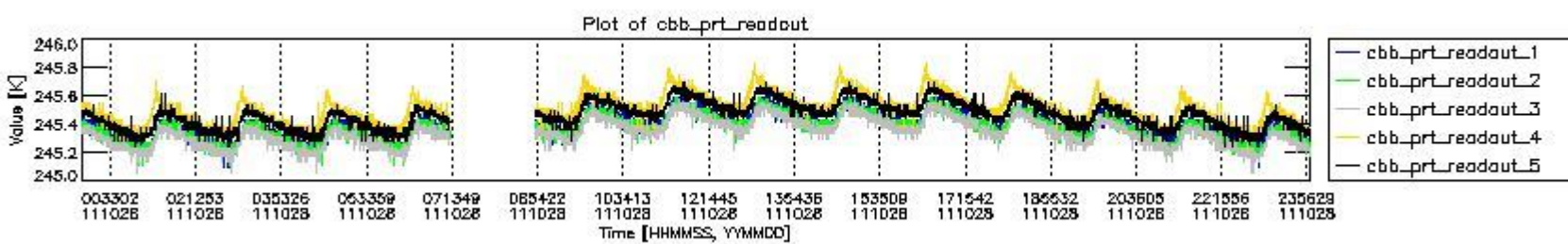
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111028\_6.PNG



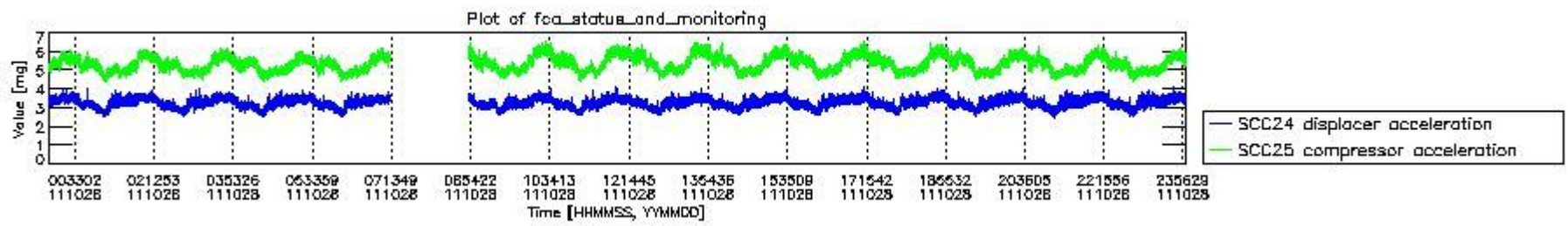
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111028\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111028\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111028\_9.PNG

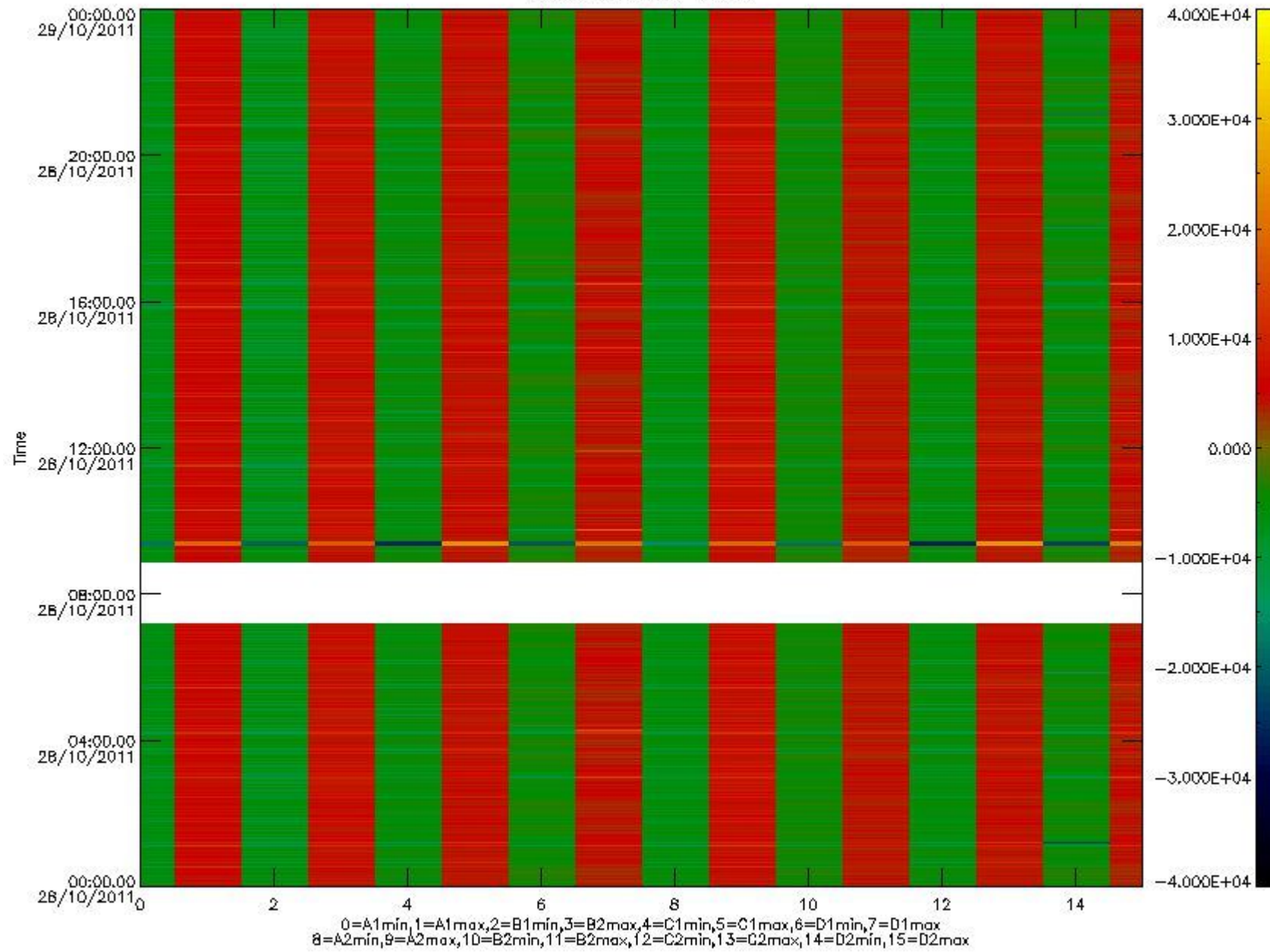


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111028\_10.PNG

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

Channel	Min	Max	ADC
A1	-18533	19688	16bit
B1	-20763	17837	16bit
C1	-25672	25541	16bit
D1	-32768	32767	16bit
A2	-16014	19806	16bit
B2	-18786	18394	16bit
C2	-26726	26280	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\_20111028\_11.PNG

### 0.3 ADF monitoring

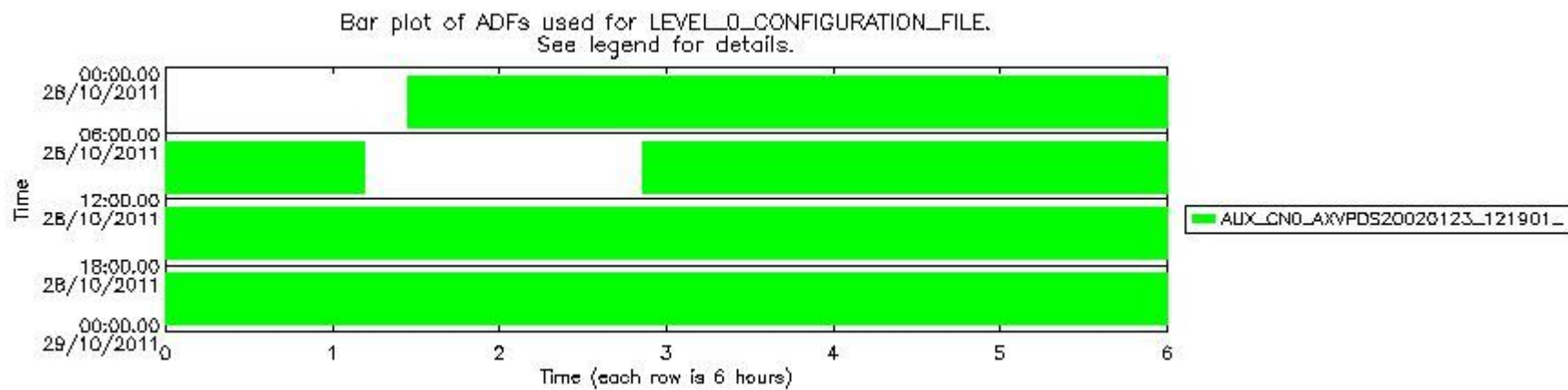
The use of ADFs is shown in two ways:

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.

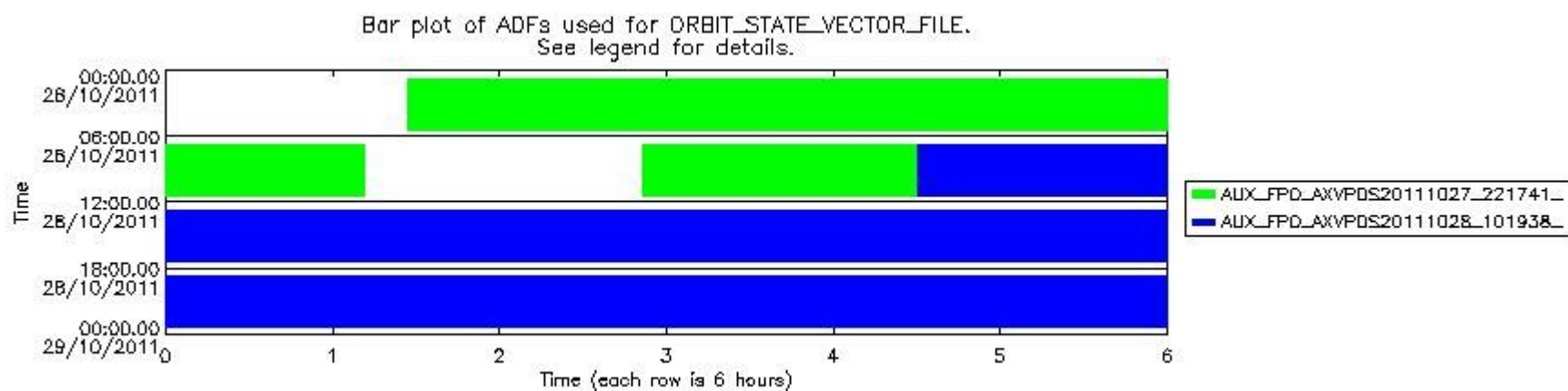
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111027_221741_20111027_085854_20111106_111237
2	AUX_FPO_AXVPDS20111028_101938_20111027_190017_20111106_211401

Number	Product name	#CN0	#FPO
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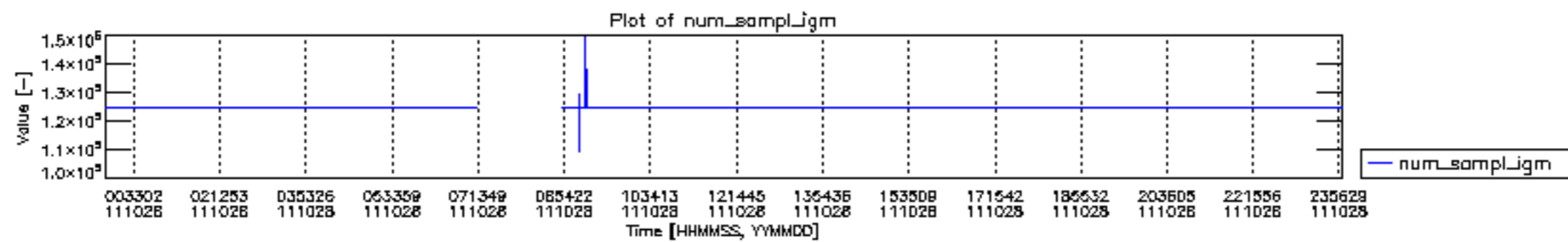
0	MIP_NL__0PNPDE20111028_012713_000103763108_00074_50519_9884.N1	0	1
1	MIP_NL__0PNPDE20111028_041938_000062003108_00076_50521_9885.N1	0	1
2	MIP_NL__0PNPDK20111028_060224_000041243108_00077_50522_7370.N1	0	1
3	MIP_NL__0PNPDK20111028_085114_000060333108_00079_50524_7372.N1	0	1
4	MIP_NL__0PNPDK20111028_103022_000060543108_00080_50525_7373.N1	0	2
5	MIP_NL__0PNPDK20111028_120937_000058533108_00081_50526_7374.N1	0	2
6	MIP_NL__0PNPDK20111028_134531_000060123108_00082_50527_7375.N1	0	2
7	MIP_NL__0PNPDK20111028_152413_000060523108_00083_50528_7376.N1	0	2
8	MIP_NL__0PNPDK20111028_170417_000058243108_00084_50529_7377.N1	0	2
9	MIP_NL__0PNPDK20111028_184020_000060923108_00085_50530_7378.N1	0	2
10	MIP_NL__0PNPDE20111028_202011_000042953108_00086_50531_9888.N1	0	2
11	MIP_NL__0PNPDE20111028_213039_000061463108_00086_50531_9889.N1	0	2
12	MIP_NL__0PNPDE20111028_231201_000060563108_00087_50532_9890.N1	0	2

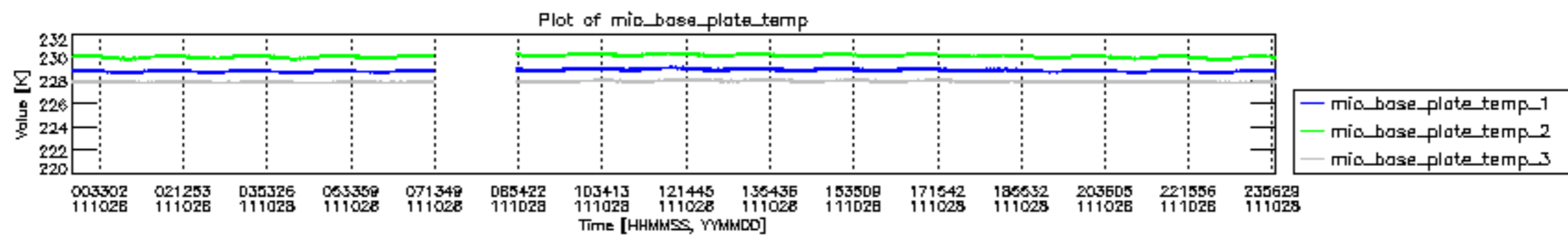


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111028\_12.PNG

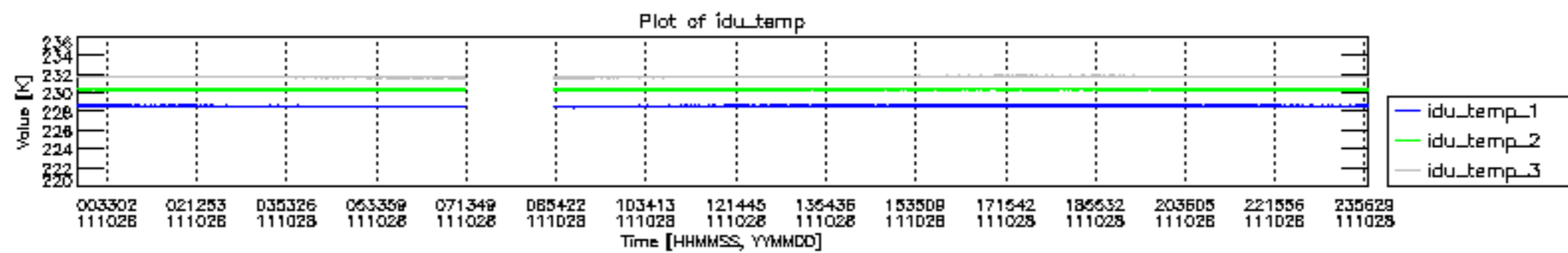


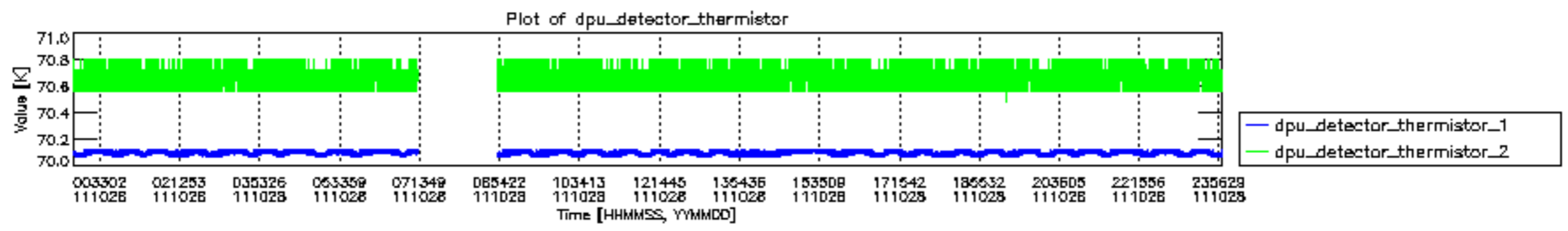
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111028\_13.PNG

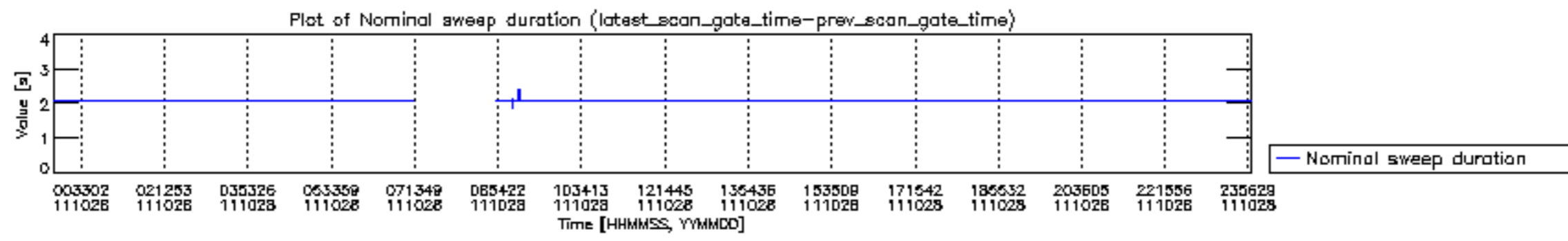


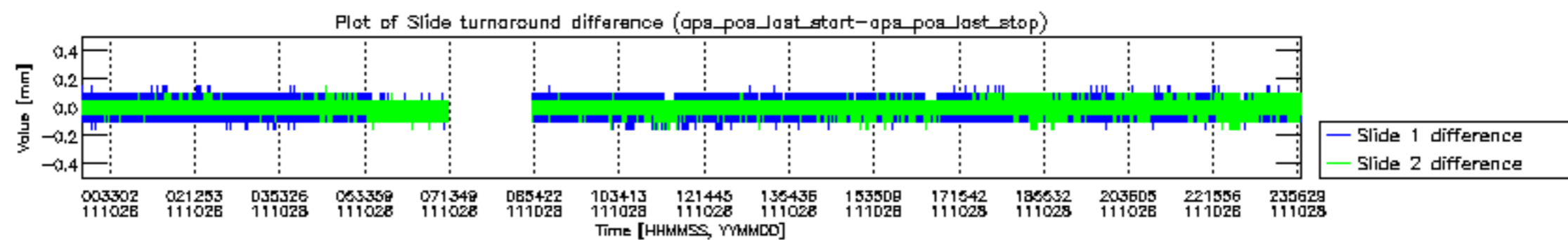


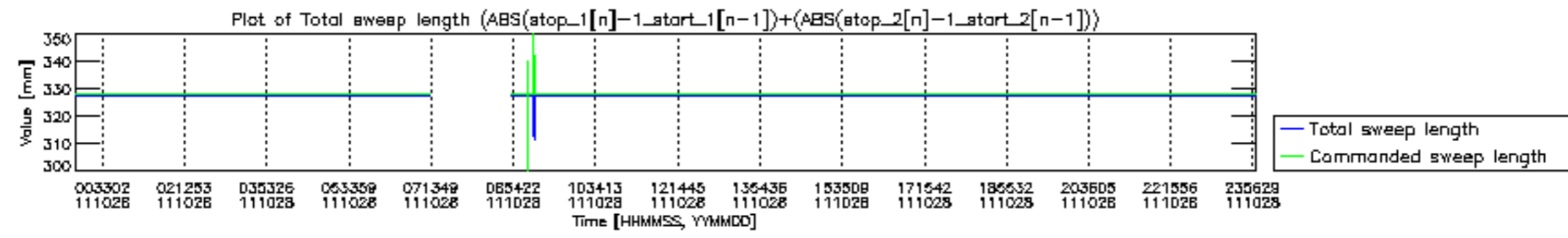


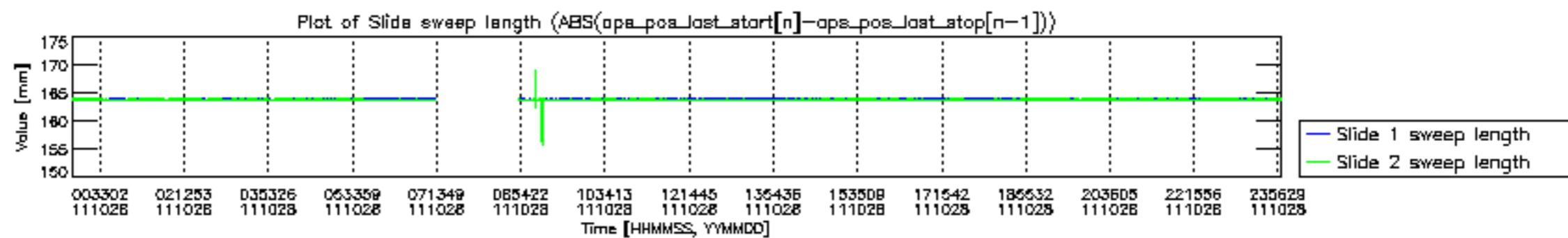


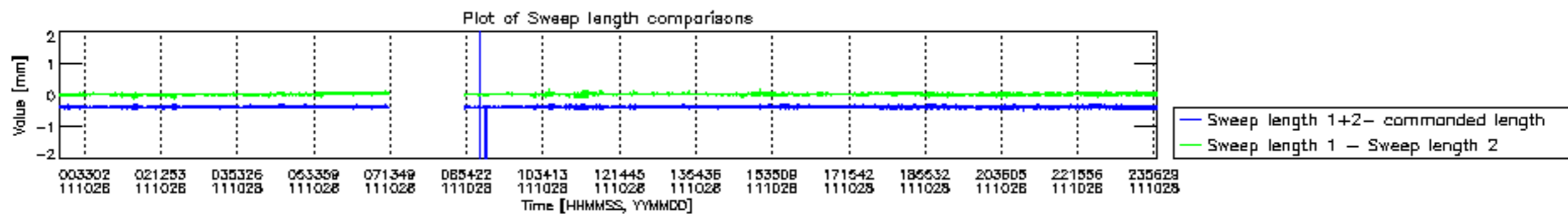


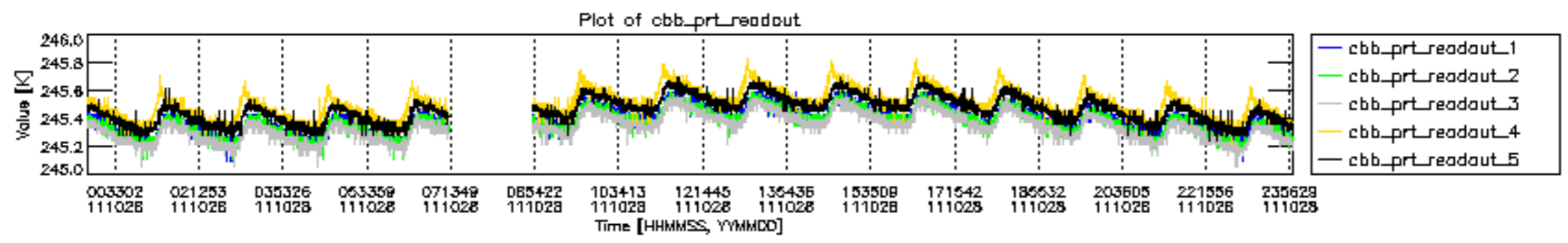




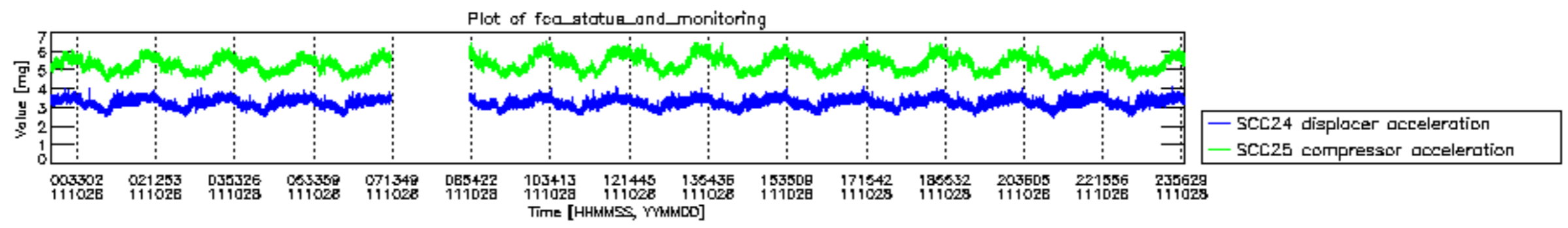












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

