

## 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	13NOV2011 05:24:25
Data source version	KSPT_L0/4504-N
Processing scope for products	08NOV2011 00:00:00 to 09NOV2011 00:00:00
Start time of first product within scope	08NOV2011 01:25:24
Stop time of last product within scope	09NOV2011 00:50:07
Total number of level 0 products	13
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__0PNPDE20111108_012524_000102533108_00232_50677_9965.N1	08NOV2011 01:25:24	08NOV2011 04:16:17	0	0	0	0	0
1	MIP_NL__0PNPDE20111108_041544_000062673108_00234_50679_9966.N1	08NOV2011 04:15:44	08NOV2011 06:00:11	0	0	0	0	0
2	MIP_NL__0PNPDE20111108_055937_000062113108_00235_50680_9967.N1	08NOV2011 05:59:37	08NOV2011 07:43:08	0	0	0	0	0
3	MIP_NL__0PNPDK20111108_074233_000038153108_00236_50681_7466.N1	08NOV2011 07:42:33	08NOV2011 08:46:07	0	0	0	0	0
4	MIP_NL__0PNPDK20111108_084509_000061733108_00237_50682_7467.N1	08NOV2011 08:45:09	08NOV2011 10:28:02	0	0	0	0	0
5	MIP_NL__0PNPDK20111108_120406_000061173108_00239_50684_7469.N1	08NOV2011 12:04:06	08NOV2011 13:46:03	0	0	0	0	0
6	MIP_NL__0PNPDK20111108_134422_000059253108_00240_50685_7470.N1	08NOV2011 13:44:22	08NOV2011 15:23:07	0	0	0	0	0
7	MIP_NL__0PNPDK20111108_152150_000059393108_00241_50686_7471.N1	08NOV2011 15:21:50	08NOV2011 17:00:49	0	0	0	0	0
8	MIP_NL__0PNPDK20111108_165948_000058833108_00242_50687_7472.N1	08NOV2011 16:59:48	08NOV2011 18:37:51	0	0	0	0	0
9	MIP_NL__0PNPDK20111108_183650_000060253108_00243_50688_7473.N1	08NOV2011 18:36:50	08NOV2011 20:17:15	0	0	0	0	0
10	MIP_NL__0PNPDE20111108_201512_000044123108_00244_50689_4790.N1	08NOV2011 20:15:12	08NOV2011 21:28:44	0	0	0	0	0
11	MIP_NL__0PNPDE20111108_212739_000061653108_00244_50689_4791.N1	08NOV2011 21:27:39	08NOV2011 23:10:24	0	0	0	0	0
12	MIP_NL__0PNPDE20111108_230917_000060503108_00245_50690_4792.N1	08NOV2011 23:09:17	09NOV2011 00:50:07	0	0	0	0	0

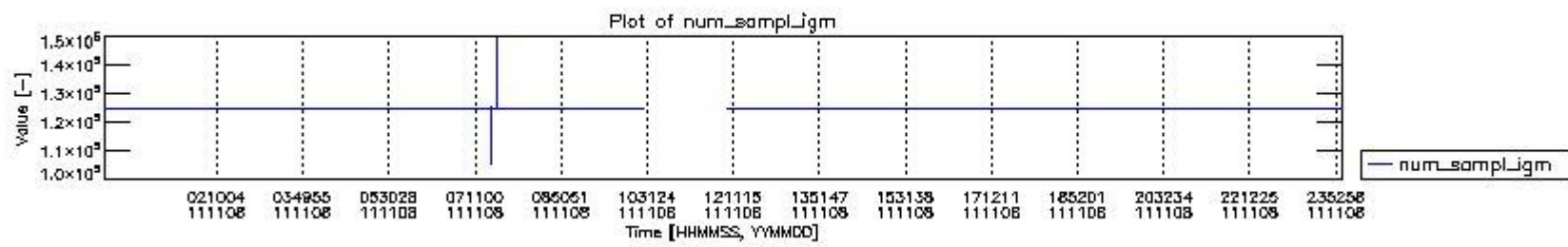
## 0.2 Instrument Operational Performance Parameters

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.

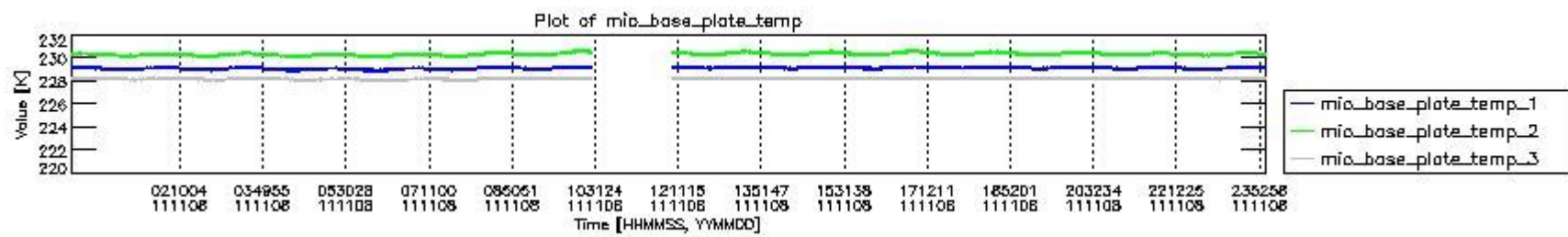
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
105451	1	0.0025764563
106234	1	0.0025764563
124800	36055	92.894133
124803	2752	7.0904079
125583	1	0.0025764563

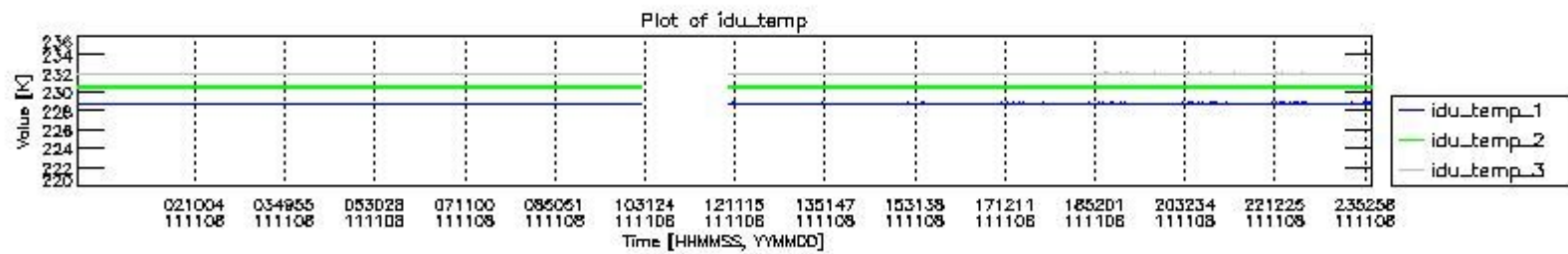
127085	1	0.0025764563
147217	1	0.0025764563
149502	1	0.0025764563



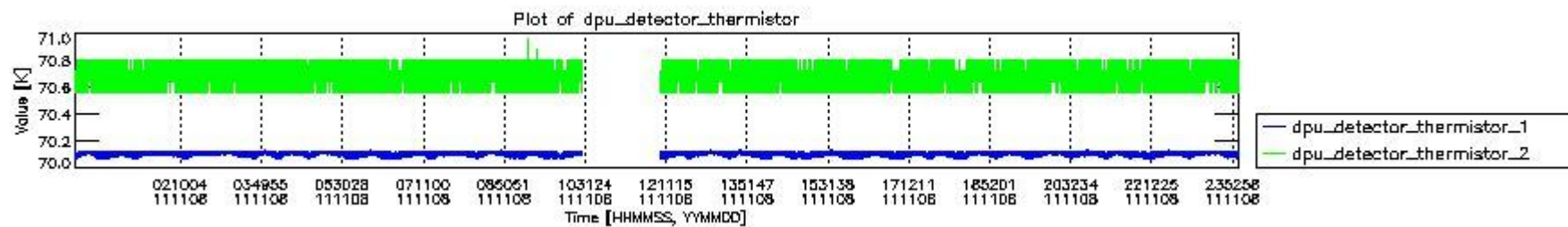
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111108\_0.PNG



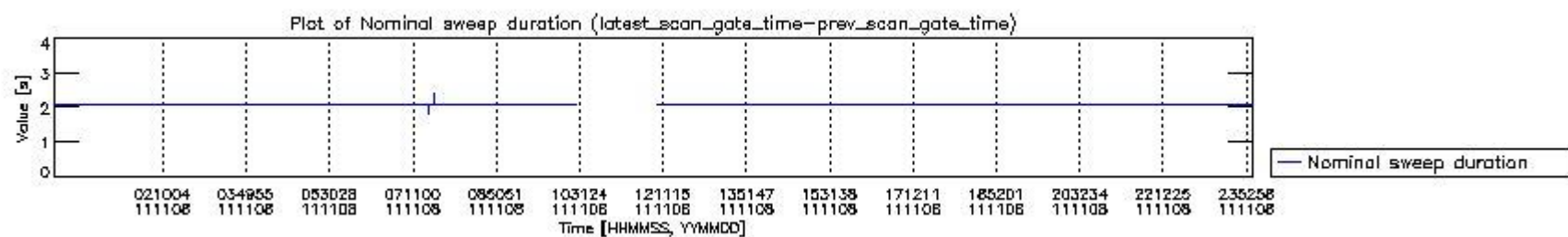
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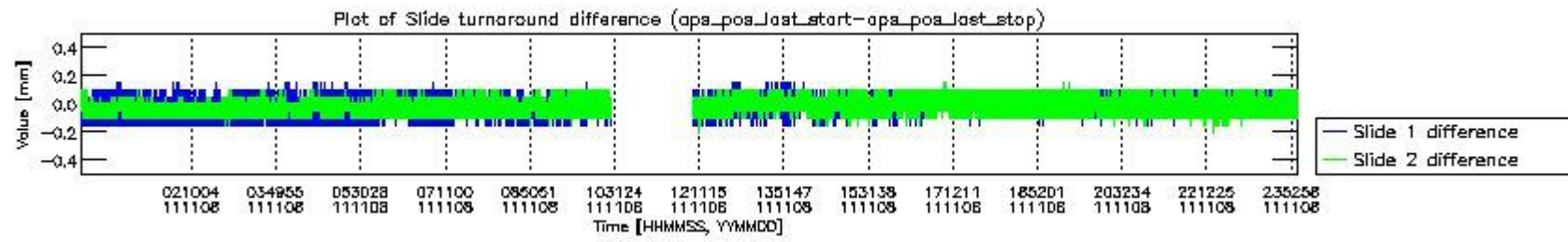
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111108\_2.PNG



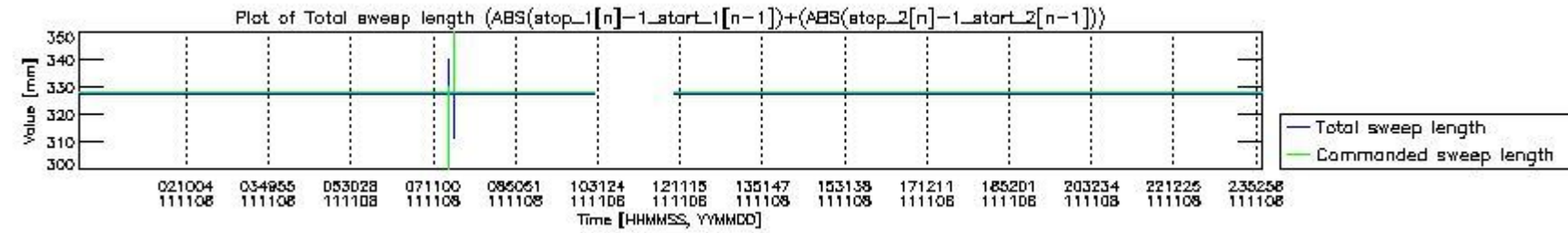
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111108\_3.PNG



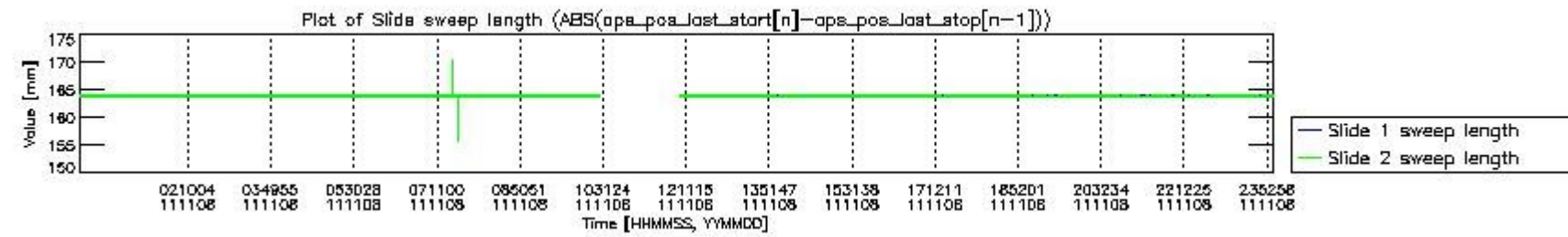
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111108\_4.PNG



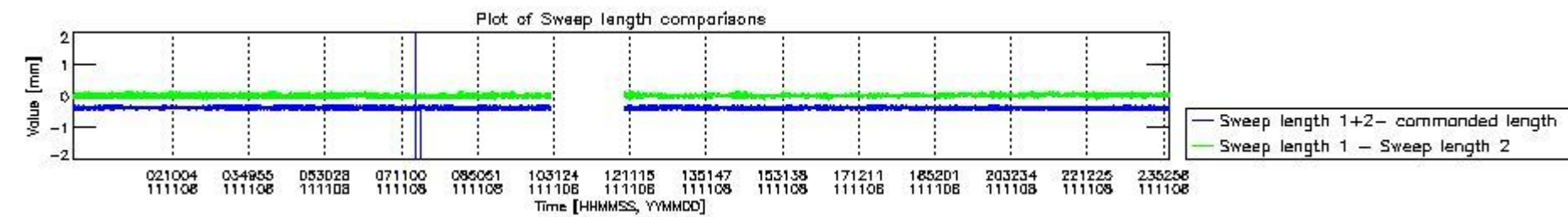
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111108\_5.PNG



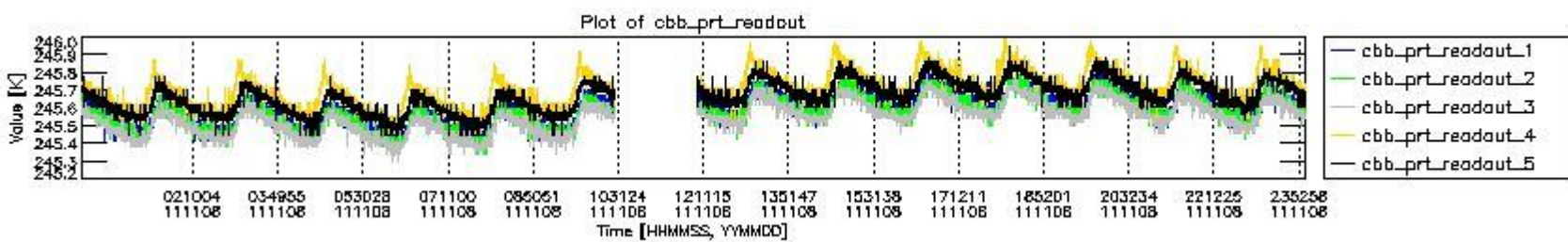
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111108\_6.PNG



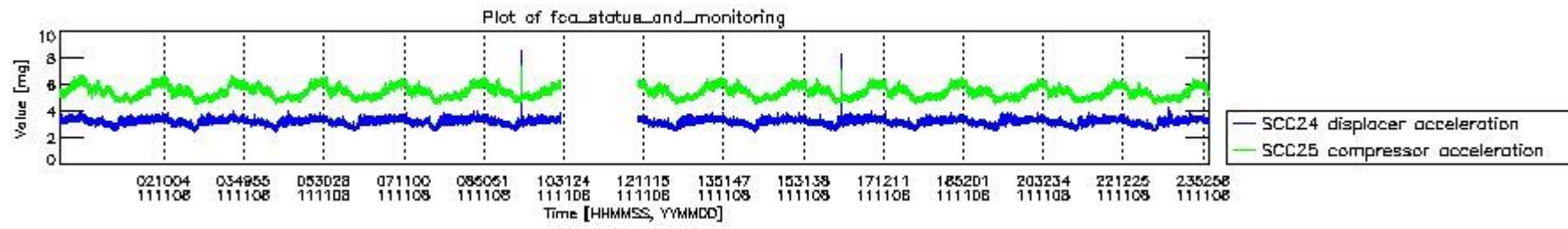
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111108\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111108\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111108\_9.PNG

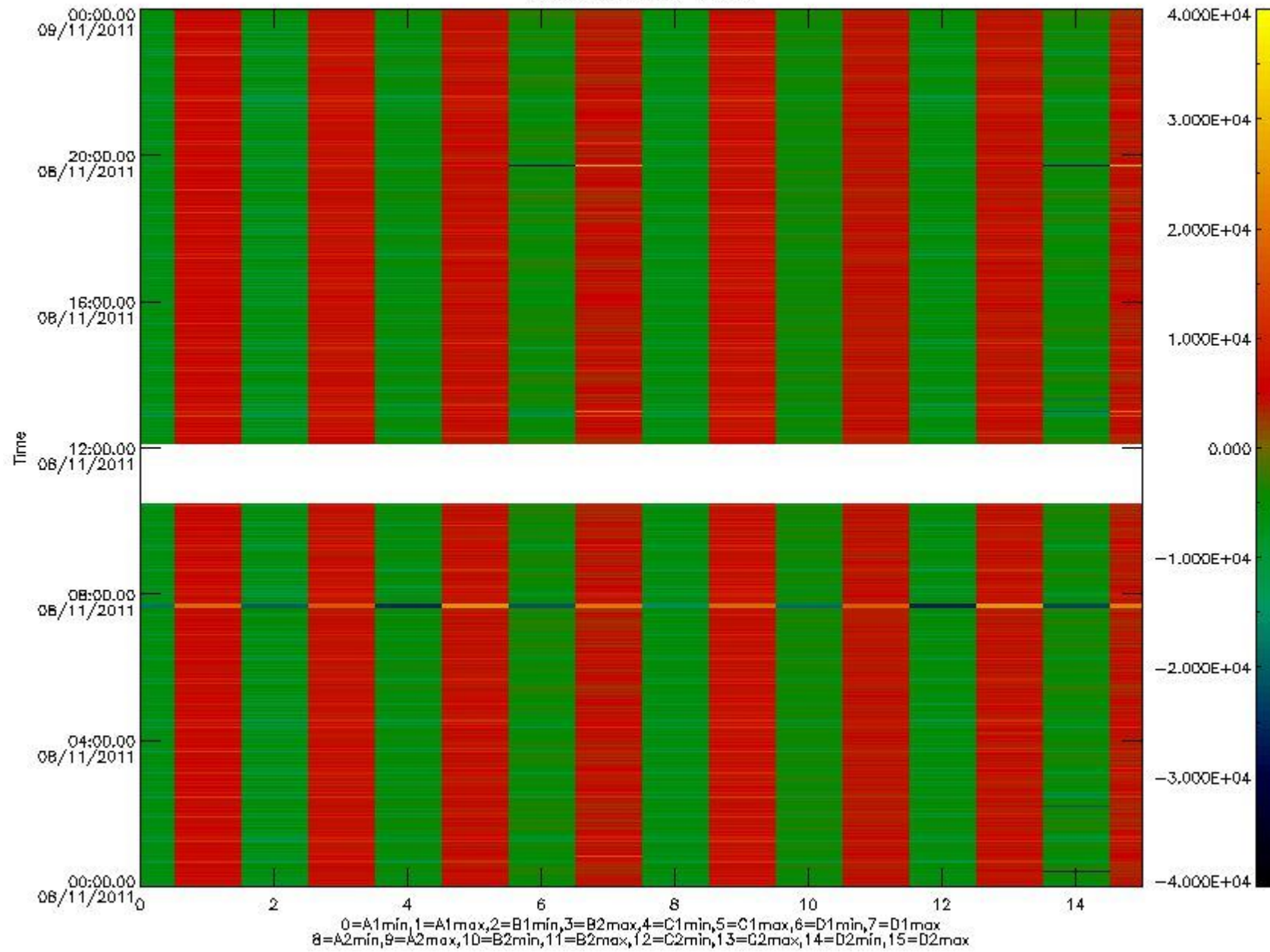


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111108\_10.PNG

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

Channel	Min	Max	ADC
A1	-18509	19613	16bit
B1	-20850	17898	16bit
C1	-25777	25695	16bit
D1	-32768	32767	16bit
A2	-16025	19803	16bit
B2	-18861	18486	16bit
C2	-26765	26443	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\_20111108\_11.PNG

### 0.3 ADF monitoring

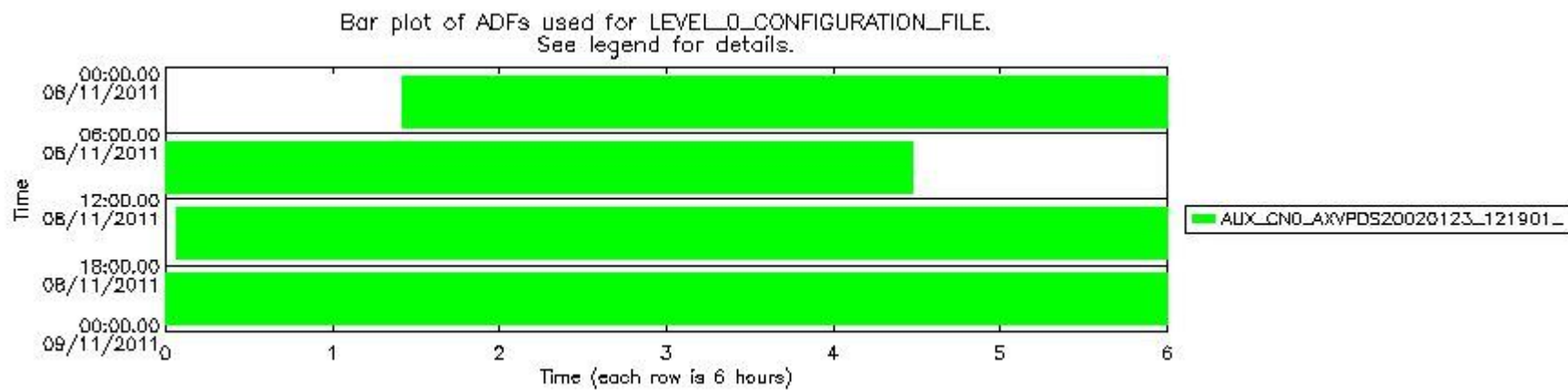
The use of ADFs is shown in two ways:

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.

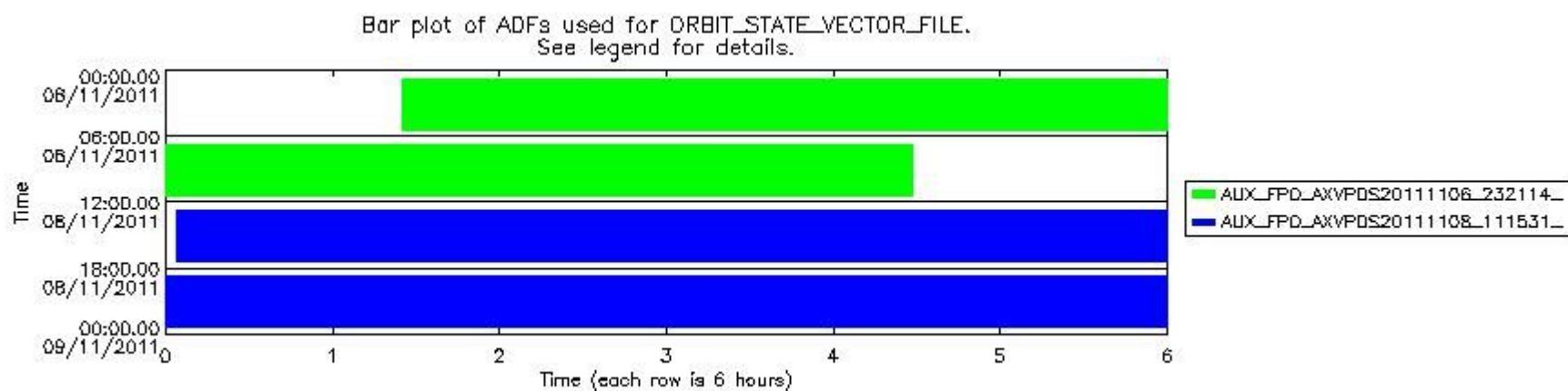
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111106_232114_20111106_193347_20111116_200714
2	AUX_FPO_AXVPDS20111108_111531_20111107_185703_20111117_211043

Number	Product name	#CN0	#FPO
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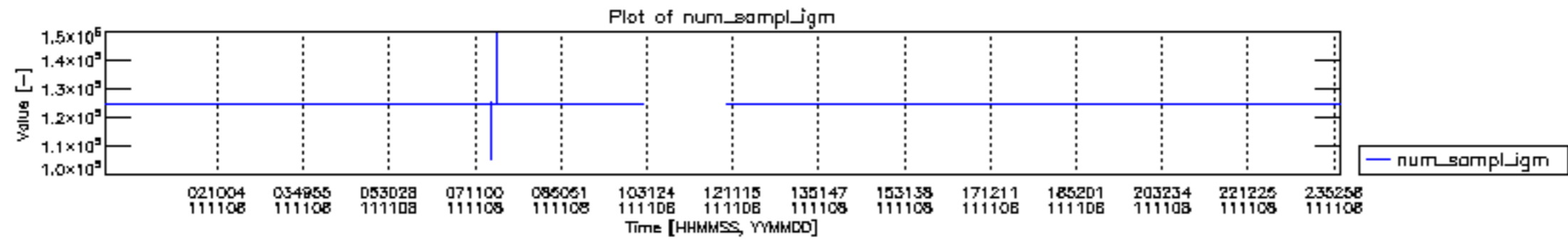
0	MIP_NL__0PNPDE20111108_012524_000102533108_00232_50677_9965.N1	0	1
1	MIP_NL__0PNPDE20111108_041544_000062673108_00234_50679_9966.N1	0	1
2	MIP_NL__0PNPDE20111108_055937_000062113108_00235_50680_9967.N1	0	1
3	MIP_NL__0PNPDK20111108_074233_000038153108_00236_50681_7466.N1	0	1
4	MIP_NL__0PNPDK20111108_084509_000061733108_00237_50682_7467.N1	0	1
5	MIP_NL__0PNPDK20111108_120406_000061173108_00239_50684_7469.N1	0	2
6	MIP_NL__0PNPDK20111108_134422_000059253108_00240_50685_7470.N1	0	2
7	MIP_NL__0PNPDK20111108_152150_000059393108_00241_50686_7471.N1	0	2
8	MIP_NL__0PNPDK20111108_165948_000058833108_00242_50687_7472.N1	0	2
9	MIP_NL__0PNPDK20111108_183650_000060253108_00243_50688_7473.N1	0	2
10	MIP_NL__0PNPDE20111108_201512_000044123108_00244_50689_4790.N1	0	2
11	MIP_NL__0PNPDE20111108_212739_000061653108_00244_50689_4791.N1	0	2
12	MIP_NL__0PNPDE20111108_230917_000060503108_00245_50690_4792.N1	0	2

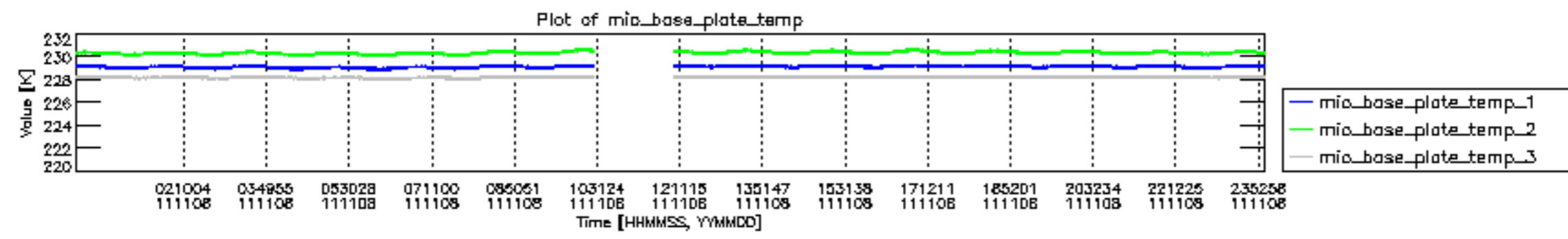


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111108\_12.PNG

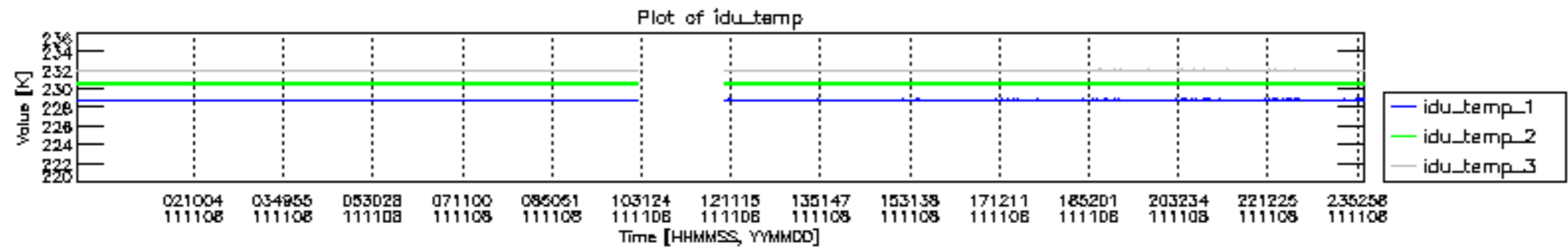


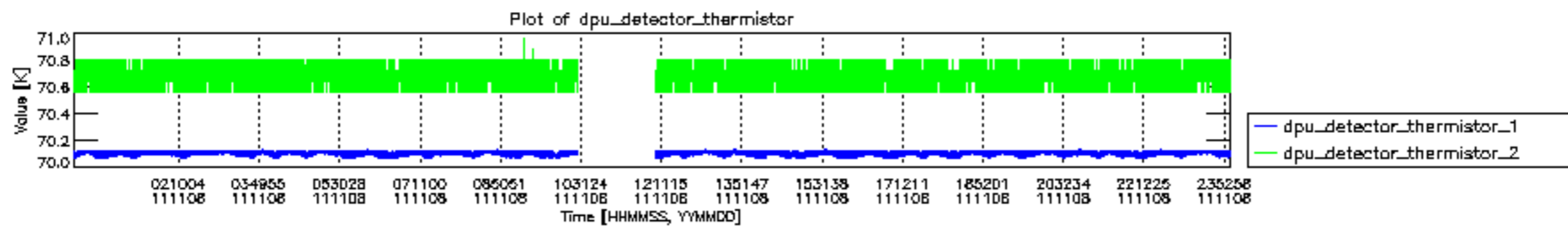
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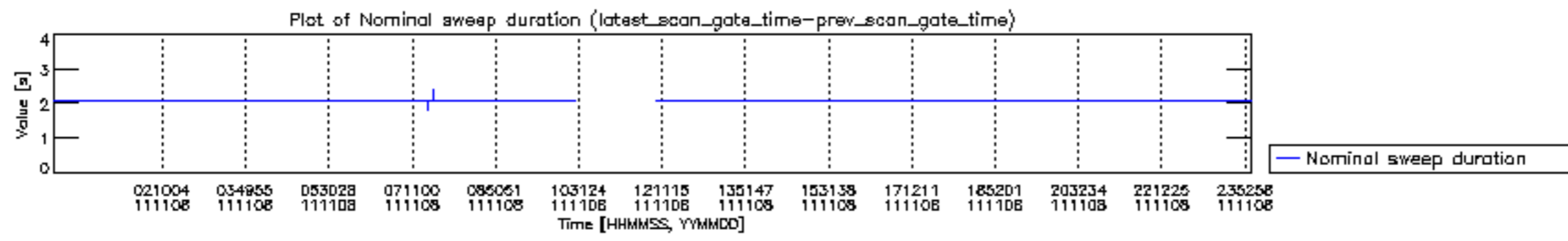


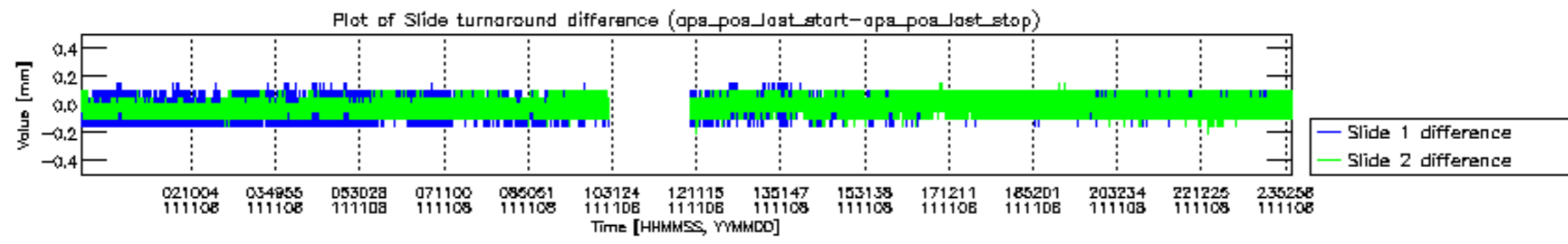


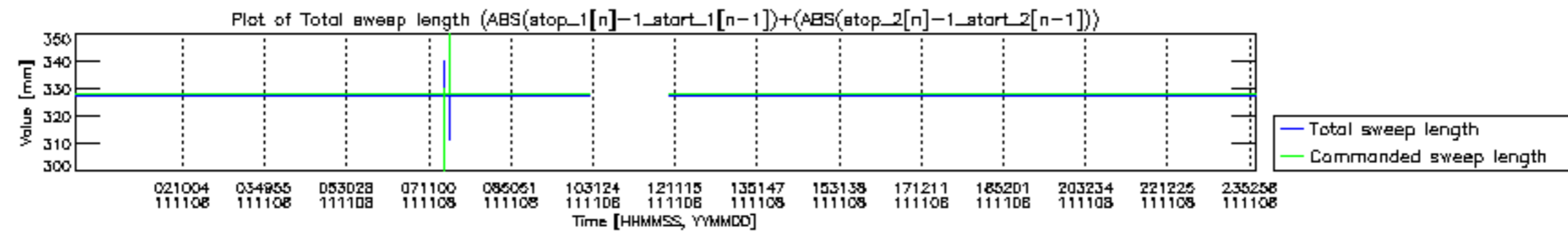


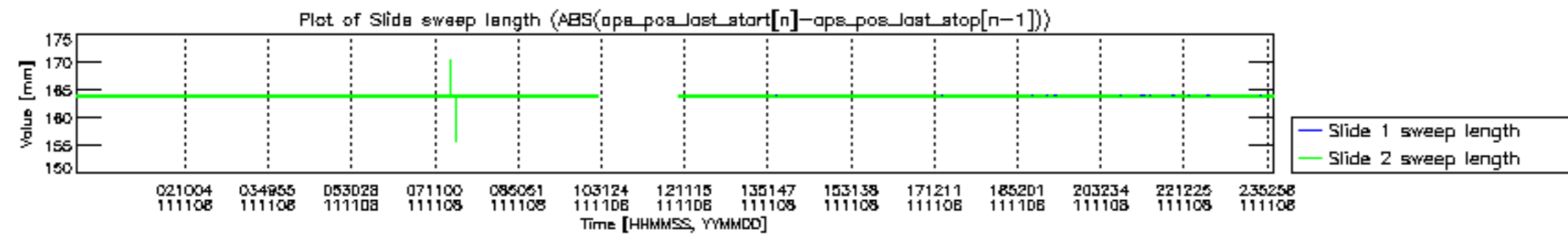


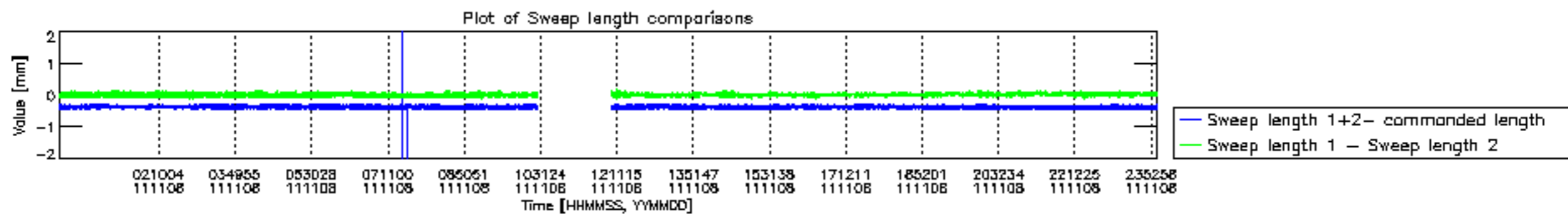


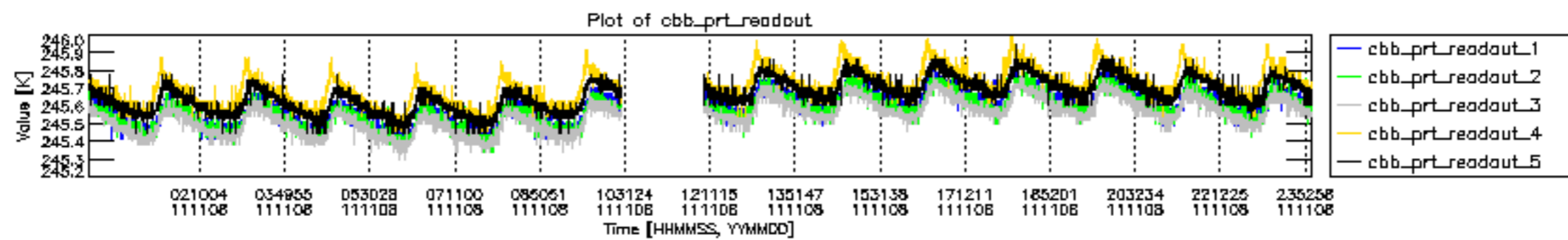




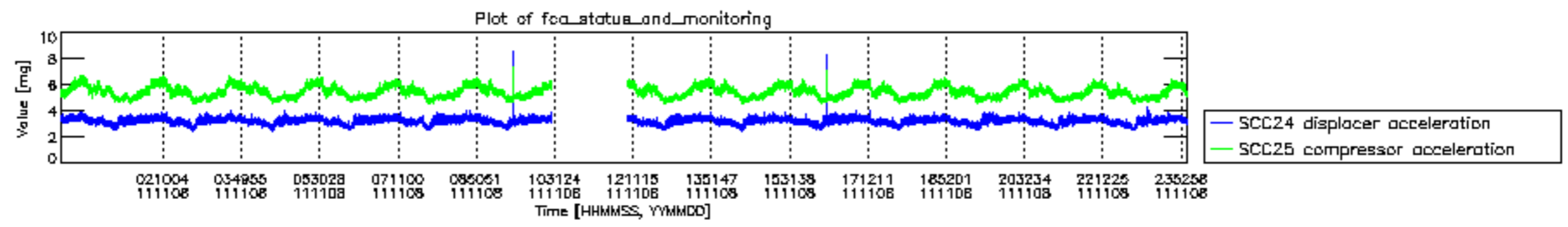












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

