

## 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	02SEP2011 05:24:18
Data source version	KSPT_L0/4504-N
Processing scope for products	28AUG2011 00:00:00 to 29AUG2011 00:00:00
Start time of first product within scope	28AUG2011 00:25:05
Stop time of last product within scope	29AUG2011 01:29:48
Total number of level 0 products	17
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__0PNPDE20110828_002505_000058923106_00059_49642_9532.N1	28AUG2011 00:25:05	28AUG2011 02:03:17	0	0	0	0	0
1	MIP_NL__0PNPDE20110828_004457_000047003106_00060_49643_4367.N1	28AUG2011 00:44:57	28AUG2011 02:03:17	0	0	0	0	0
2	MIP_NL__0PNPDE20110828_020219_000045393106_00060_49643_9533.N1	28AUG2011 02:02:19	28AUG2011 03:17:58	0	0	0	0	0
3	MIP_NL__0PNPDE20110828_031725_000061233106_00061_49644_9534.N1	28AUG2011 03:17:25	28AUG2011 04:59:28	0	0	0	0	0
4	MIP_NL__0PNPDE20110828_045854_000060483106_00062_49645_9535.N1	28AUG2011 04:58:54	28AUG2011 06:39:42	0	0	0	0	0
5	MIP_NL__0PNPDK20110828_063908_000040783106_00063_49646_6163.N1	28AUG2011 06:39:08	28AUG2011 07:47:06	0	0	0	0	0
6	MIP_NL__0PNPDK20110828_074633_000060813106_00064_49647_6165.N1	28AUG2011 07:46:33	28AUG2011 09:27:54	0	0	0	0	0
7	MIP_NL__0PNPDK20110828_092710_000059543106_00065_49648_6166.N1	28AUG2011 09:27:10	28AUG2011 11:06:24	0	0	0	0	0
8	MIP_NL__0PNPDK20110828_110543_000060233106_00066_49649_6167.N1	28AUG2011 11:05:43	28AUG2011 12:46:05	0	0	0	0	0
9	MIP_NL__0PNPDK20110828_124534_000059493106_00067_49650_6168.N1	28AUG2011 12:45:34	28AUG2011 14:24:43	0	0	0	0	0
10	MIP_NL__0PNPDK20110828_142410_000058643106_00068_49651_6169.N1	28AUG2011 14:24:10	28AUG2011 16:01:54	0	0	0	0	0
11	MIP_NL__0PNPDK20110828_160101_000058493106_00069_49652_6170.N1	28AUG2011 16:01:01	28AUG2011 17:38:31	0	0	0	0	0
12	MIP_NL__0PNPDK20110828_173732_000059453106_00070_49653_6171.N1	28AUG2011 17:37:32	28AUG2011 19:16:38	0	0	0	0	0
13	MIP_NL__0PNPDK20110828_191541_000060693106_00071_49654_6172.N1	28AUG2011 19:15:41	28AUG2011 20:56:50	0	0	0	0	0
14	MIP_NL__0PNPDE20110828_205516_000044333106_00072_49655_9536.N1	28AUG2011 20:55:16	28AUG2011 22:09:09	0	0	0	0	0
15	MIP_NL__0PNPDE20110828_220814_000060523106_00072_49655_9537.N1	28AUG2011 22:08:14	28AUG2011 23:49:06	0	0	0	0	0
16	MIP_NL__0PNPDE20110828_234801_000061063106_00073_49656_9538.N1	28AUG2011 23:48:01	29AUG2011 01:29:48	0	0	0	0	0

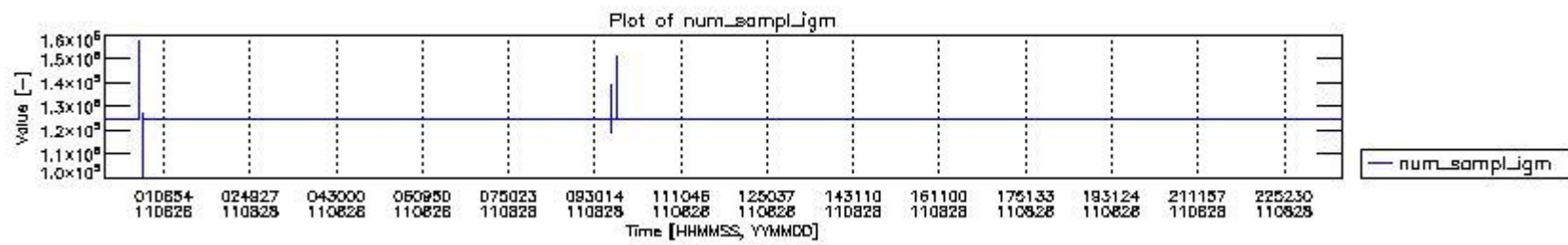
## 0.2 Instrument Operational Performance Parameters

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.

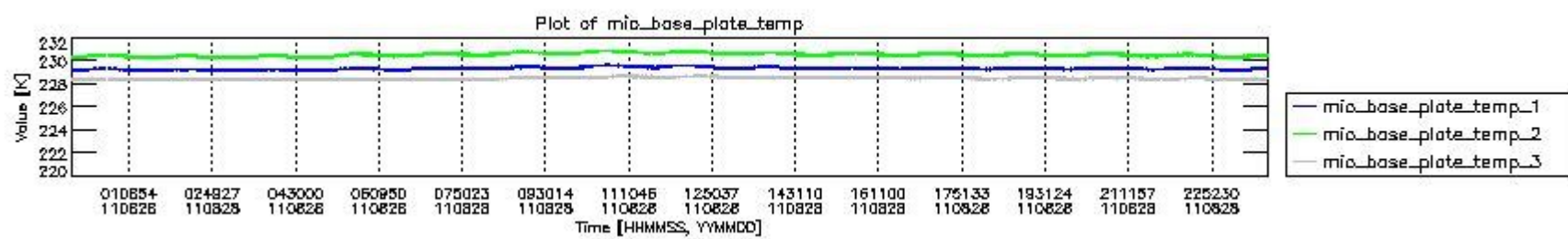
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100557	1	0.0024087099

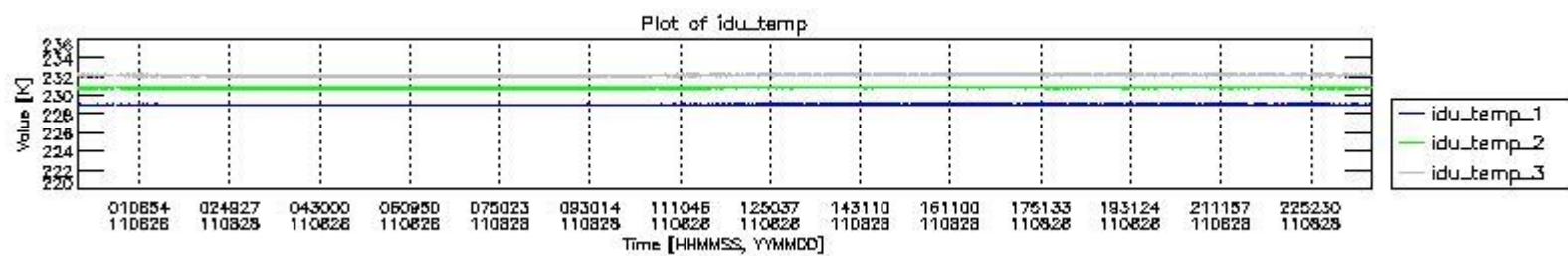
118981	1	0.0024087099
124800	38563	92.887080
124803	2941	7.0840158
125809	1	0.0024087099
126818	1	0.0024087099
127828	1	0.0024087099
131025	1	0.0024087099
133294	1	0.0024087099
139113	1	0.0024087099
147960	1	0.0024087099
150988	1	0.0024087099
151157	1	0.0024087099
157382	1	0.0024087099



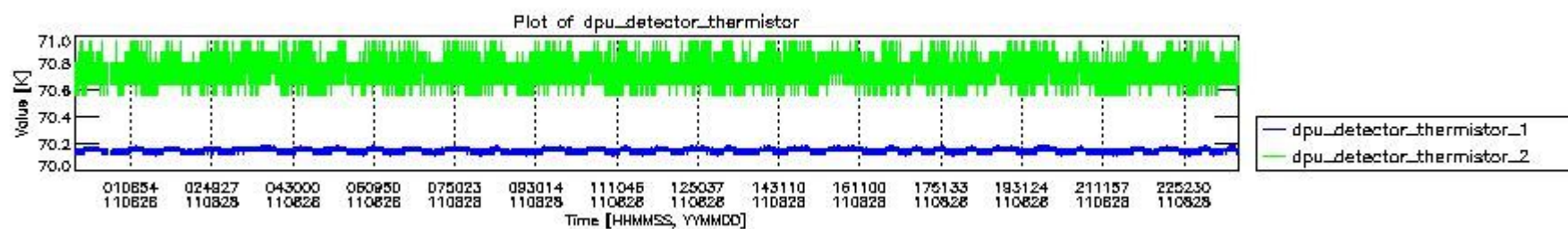
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110828\_0.PNG



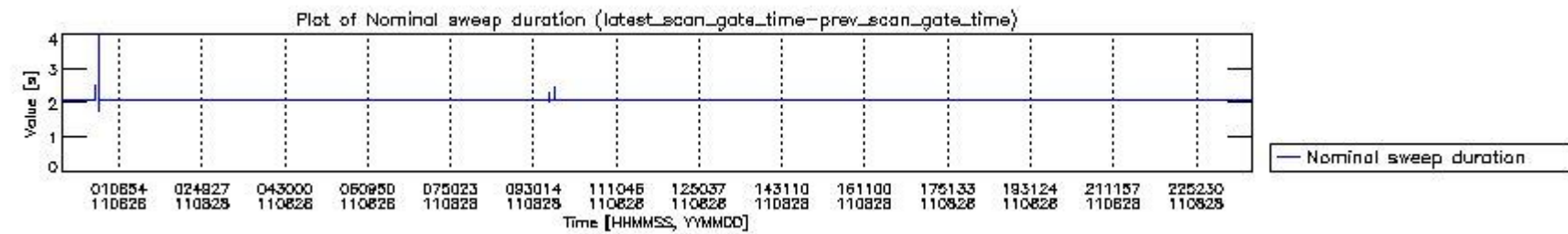
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110828\_1.PNG



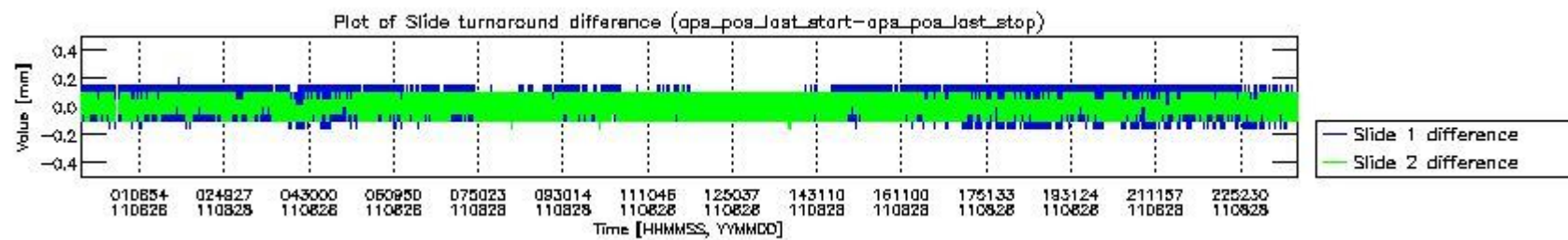
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110828\_2.PNG



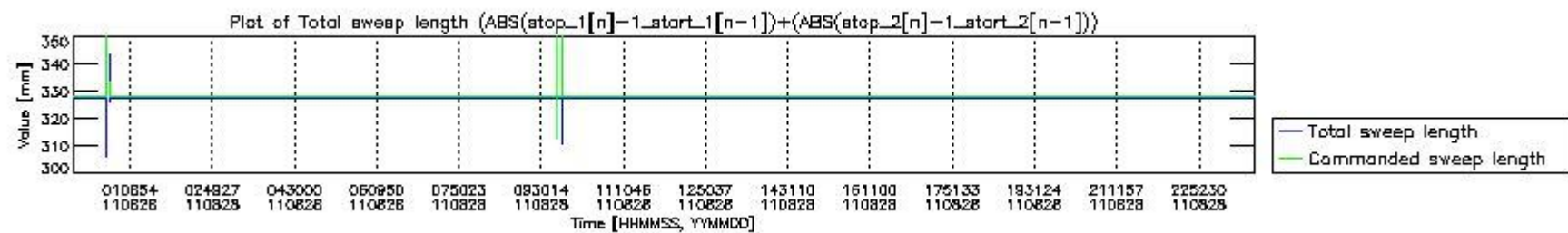
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110828\_3.PNG



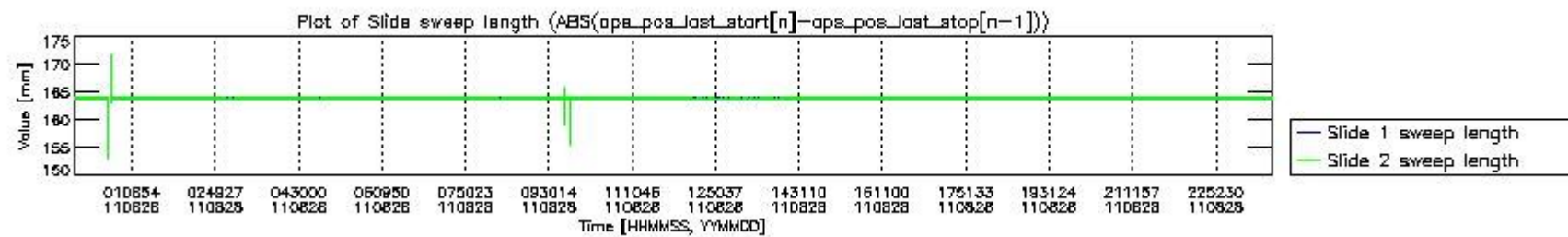
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110828\_4.PNG



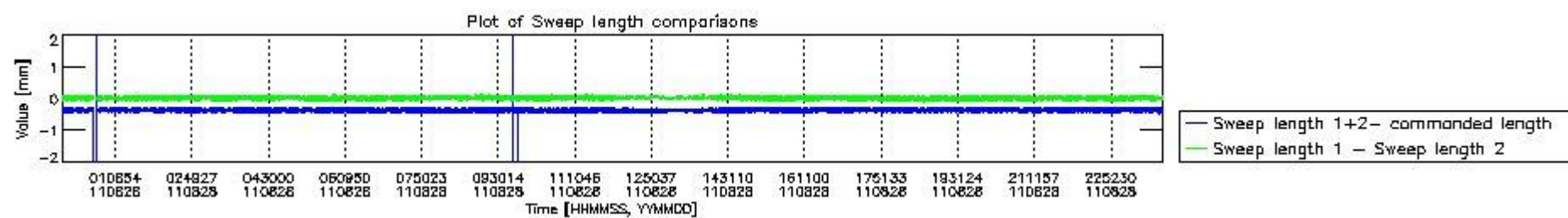
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110828\_5.PNG



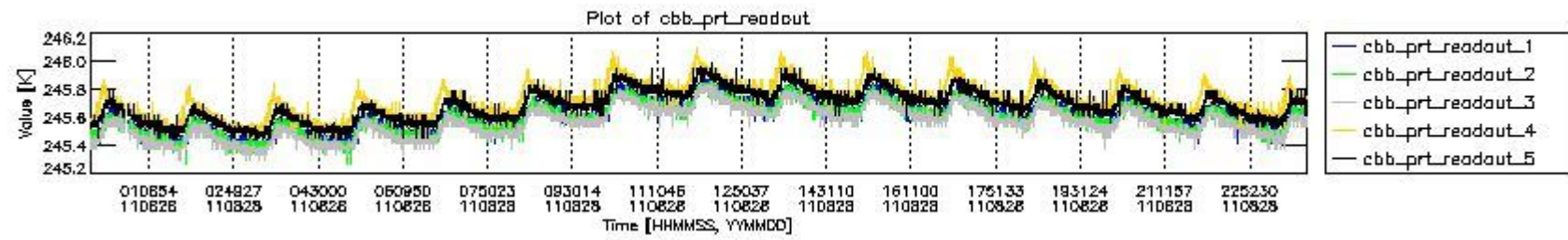
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110828\_6.PNG



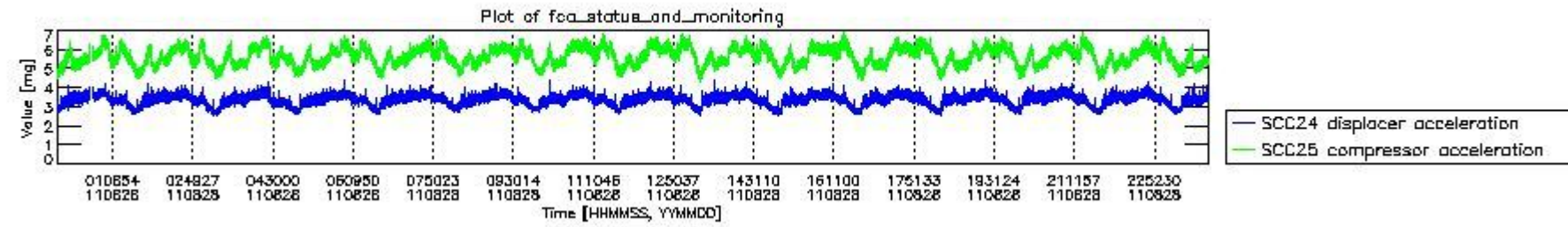
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110828\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110828\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110828\_9.PNG

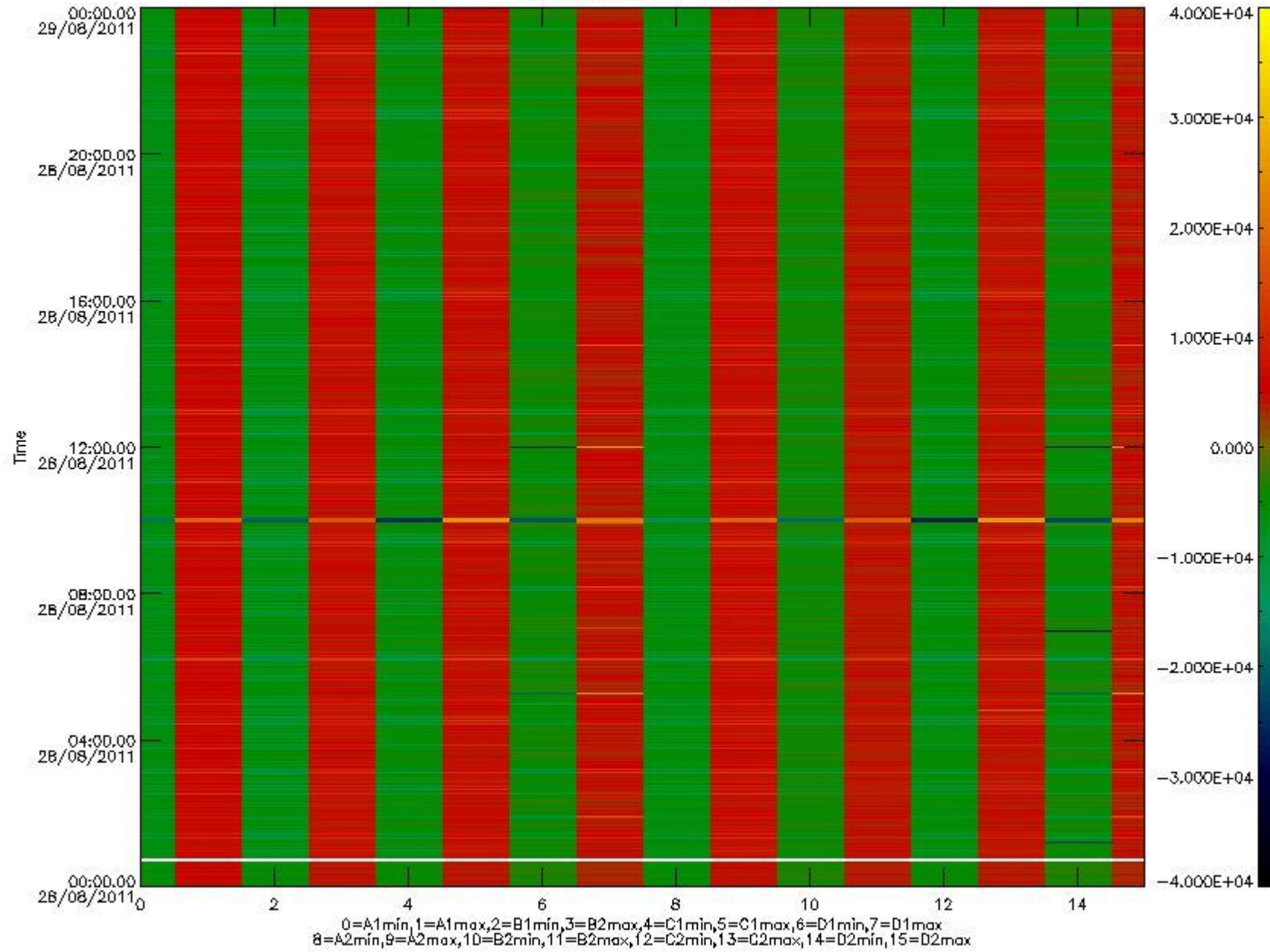


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110828\_10.PNG

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

Channel	Min	Max	ADC
A1	-18443	19445	16bit
B1	-20620	17742	16bit
C1	-25779	25732	16bit
D1	-32768	32767	16bit
A2	-15788	19472	16bit
B2	-18863	18551	16bit
C2	-26811	26508	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\_20110828\_11.PNG

### 0.3 ADF monitoring

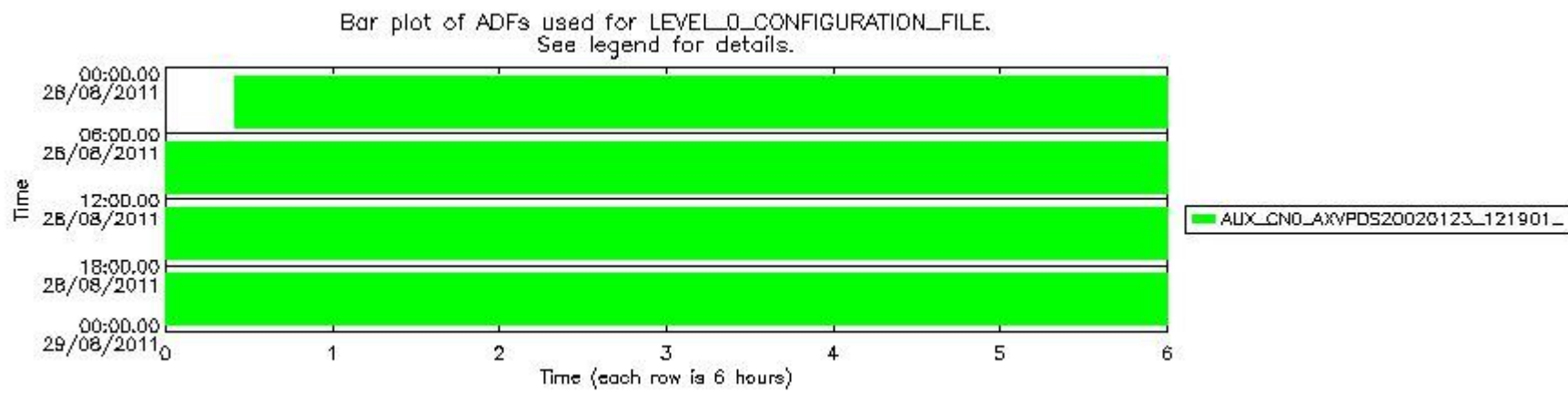
The use of ADFs is shown in two ways:

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.

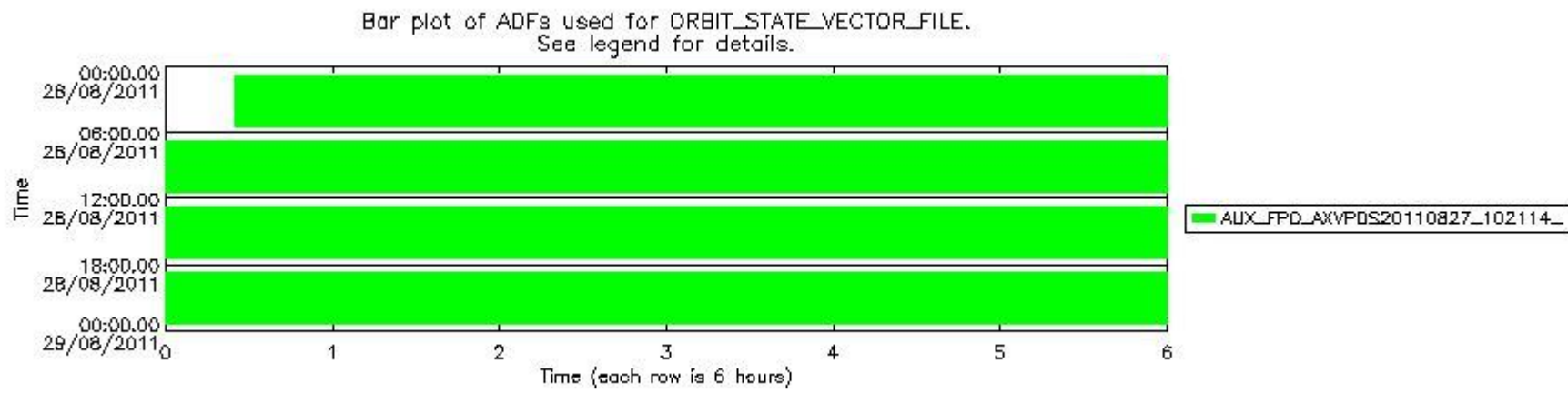
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110827_102114_20110826_183258_20110905_204644

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110828_002505_000058923106_00059_49642_9532.N1	0	1

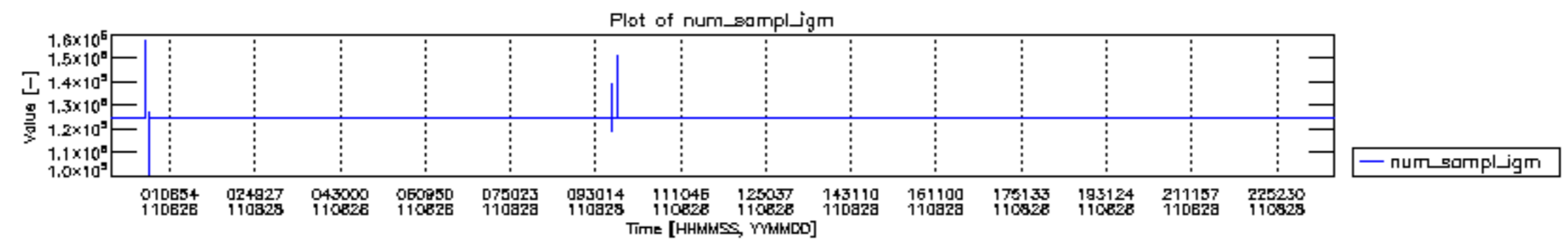
1	MIP_NL__0PNPDE20110828_004457_000047003106_00060_49643_4367.N1	0	1
2	MIP_NL__0PNPDE20110828_020219_000045393106_00060_49643_9533.N1	0	1
3	MIP_NL__0PNPDE20110828_031725_000061233106_00061_49644_9534.N1	0	1
4	MIP_NL__0PNPDE20110828_045854_000060483106_00062_49645_9535.N1	0	1
5	MIP_NL__0PNPDK20110828_063908_000040783106_00063_49646_6163.N1	0	1
6	MIP_NL__0PNPDK20110828_074633_000060813106_00064_49647_6165.N1	0	1
7	MIP_NL__0PNPDK20110828_092710_000059543106_00065_49648_6166.N1	0	1
8	MIP_NL__0PNPDK20110828_110543_000060233106_00066_49649_6167.N1	0	1
9	MIP_NL__0PNPDK20110828_124534_000059493106_00067_49650_6168.N1	0	1
10	MIP_NL__0PNPDK20110828_142410_000058643106_00068_49651_6169.N1	0	1
11	MIP_NL__0PNPDK20110828_160101_000058493106_00069_49652_6170.N1	0	1
12	MIP_NL__0PNPDK20110828_173732_000059453106_00070_49653_6171.N1	0	1
13	MIP_NL__0PNPDK20110828_191541_000060693106_00071_49654_6172.N1	0	1
14	MIP_NL__0PNPDE20110828_205516_000044333106_00072_49655_9536.N1	0	1
15	MIP_NL__0PNPDE20110828_220814_000060523106_00072_49655_9537.N1	0	1
16	MIP_NL__0PNPDE20110828_234801_000061063106_00073_49656_9538.N1	0	1

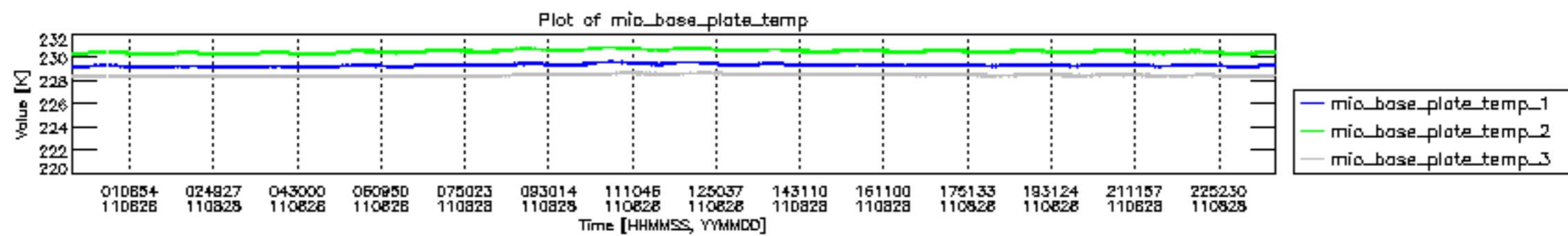


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110828\_12.PNG

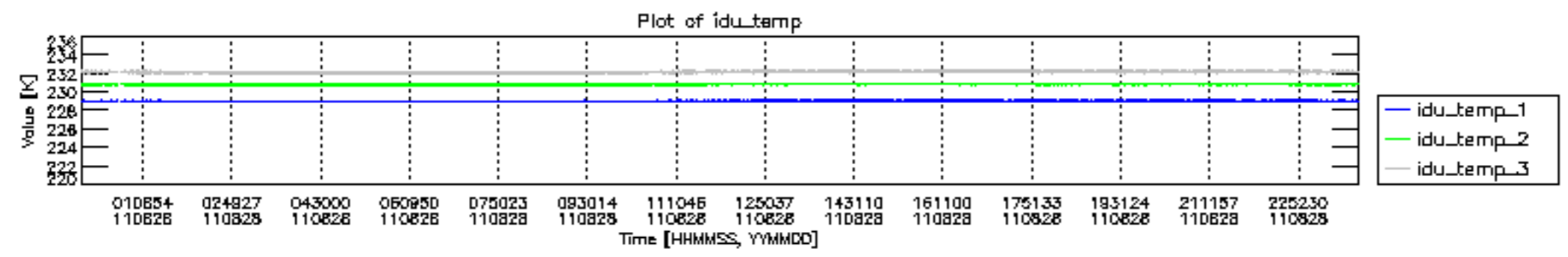


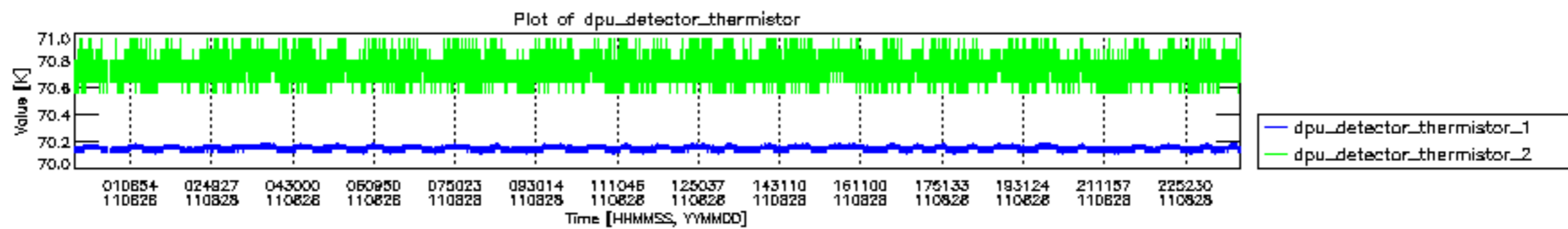
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110828\_13.PNG

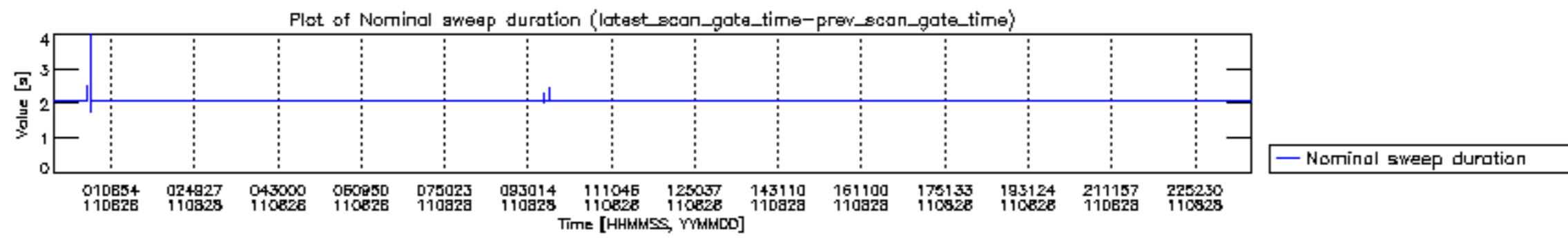




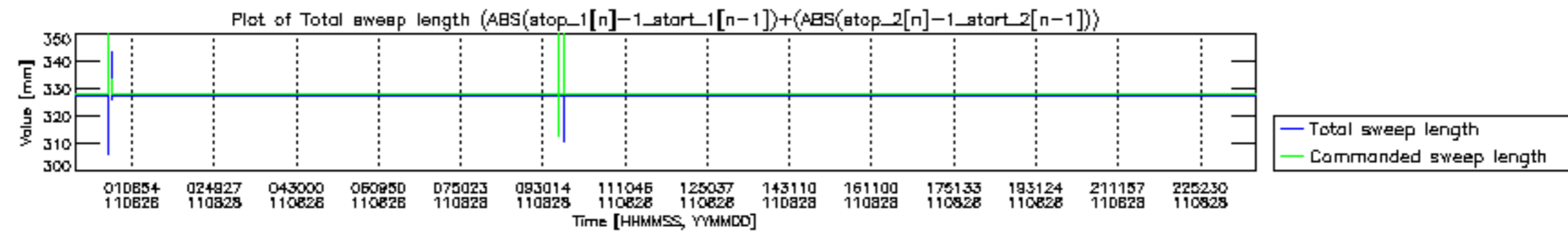


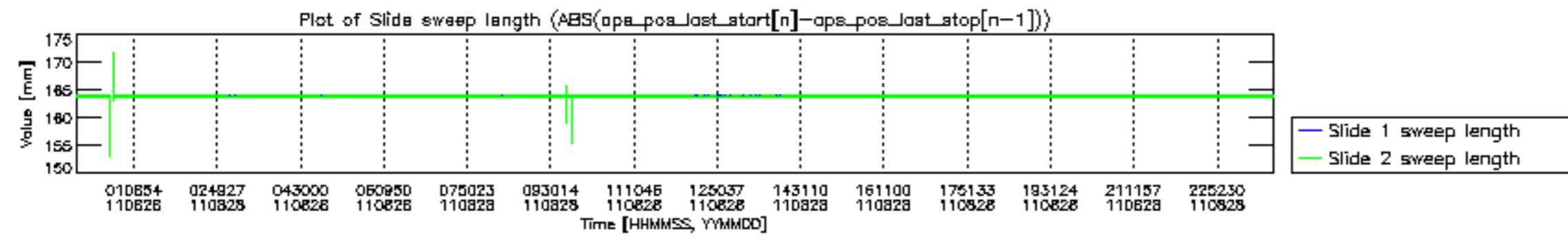


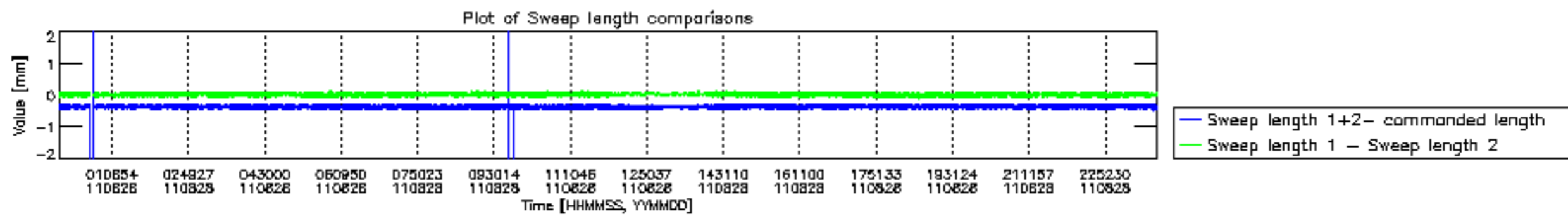


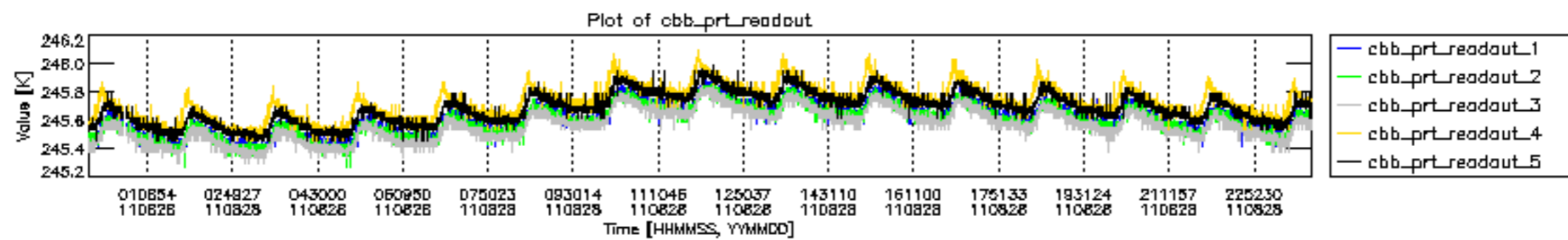




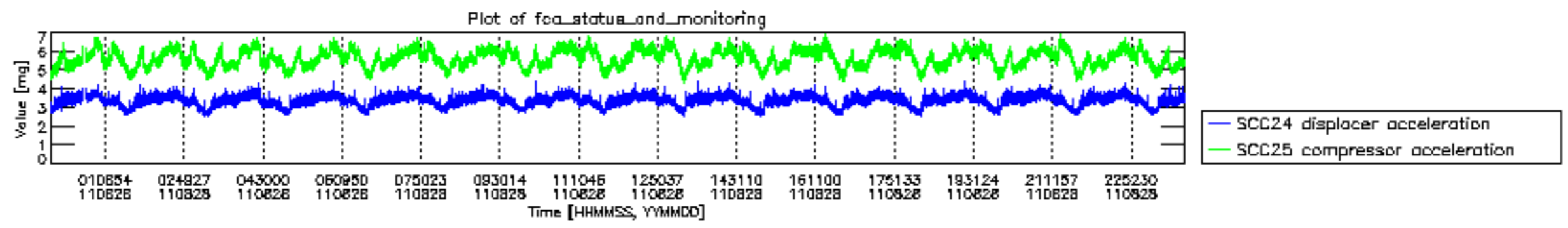












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

