

## 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	01FEB2011 05:23:49
Data source version	KSPT_L0/4504-N
Processing scope for products	27JAN2011 00:00:00 to 28JAN2011 00:00:00
Start time of first product within scope	27JAN2011 00:32:05
Stop time of last product within scope	27JAN2011 23:55:41
Total number of level 0 products	15
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__OPNPDE20110127_003205_000058683099_00016_46582_2798.N1	27JAN2011 00:32:05	27JAN2011 02:09:53	0	0	0	0	0
1	MIP_NL__OPNPDE20110127_020857_000045273099_00017_46583_2799.N1	27JAN2011 02:08:57	27JAN2011 03:24:24	0	0	0	0	0
2	MIP_NL__OPNPDE20110127_032351_000061343099_00018_46584_2800.N1	27JAN2011 03:23:51	27JAN2011 05:06:04	0	0	0	0	0
3	MIP_NL__OPNPDE20110127_050531_000060463099_00019_46585_2801.N1	27JAN2011 05:05:31	27JAN2011 06:46:17	0	0	0	0	0
4	MIP_NL__OPNPDK20110127_064543_000039823099_00020_46586_4129.N1	27JAN2011 06:45:43	27JAN2011 07:52:05	0	0	0	0	0
5	MIP_NL__OPNPDK20110127_075109_000061233099_00021_46587_4130.N1	27JAN2011 07:51:09	27JAN2011 09:33:12	0	0	0	0	0
6	MIP_NL__OPNPDK20110127_093133_000060353099_00022_46588_4131.N1	27JAN2011 09:31:33	27JAN2011 11:12:09	0	0	0	0	0
7	MIP_NL__OPNPDK20110127_111049_000061203099_00023_46589_4132.N1	27JAN2011 11:10:49	27JAN2011 12:52:50	0	0	0	0	0
8	MIP_NL__OPNPDK20110127_125111_000059683099_00024_46590_4133.N1	27JAN2011 12:51:11	27JAN2011 14:30:40	0	0	0	0	0
9	MIP_NL__OPNPDK20110127_142946_000058873099_00025_46591_4134.N1	27JAN2011 14:29:46	27JAN2011 16:07:53	0	0	0	0	0
10	MIP_NL__OPNPDK20110127_160719_000059123099_00026_46592_4135.N1	27JAN2011 16:07:19	27JAN2011 17:45:51	0	0	0	0	0
11	MIP_NL__OPNPDK20110127_174451_000058953099_00027_46593_4136.N1	27JAN2011 17:44:51	27JAN2011 19:23:06	0	0	0	0	0
12	MIP_NL__OPNPDK20110127_192117_000061983099_00028_46594_4137.N1	27JAN2011 19:21:17	27JAN2011 21:04:36	0	0	0	0	0
13	MIP_NL__OPNPDE20110127_210339_000043393099_00029_46595_2802.N1	27JAN2011 21:03:39	27JAN2011 22:15:58	0	0	0	0	0
14	MIP_NL__OPNPDE20110127_221451_000060503099_00029_46595_2803.N1	27JAN2011 22:14:51	27JAN2011 23:55:41	0	0	0	0	0

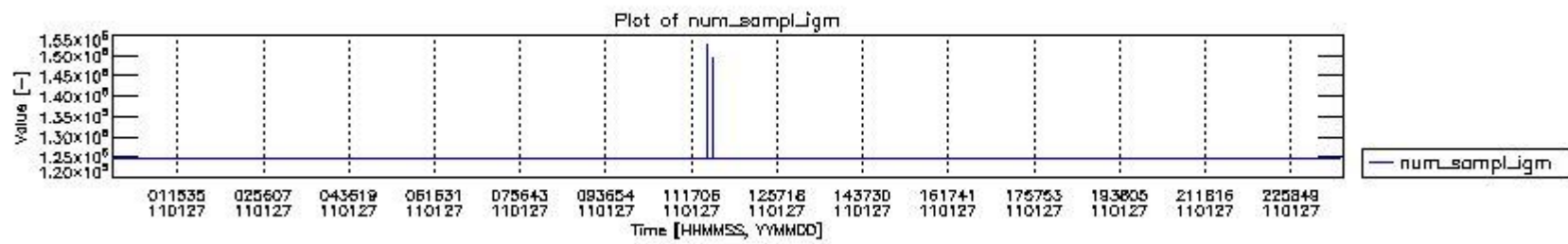
## 0.2 Instrument Operational Performance Parameters

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.

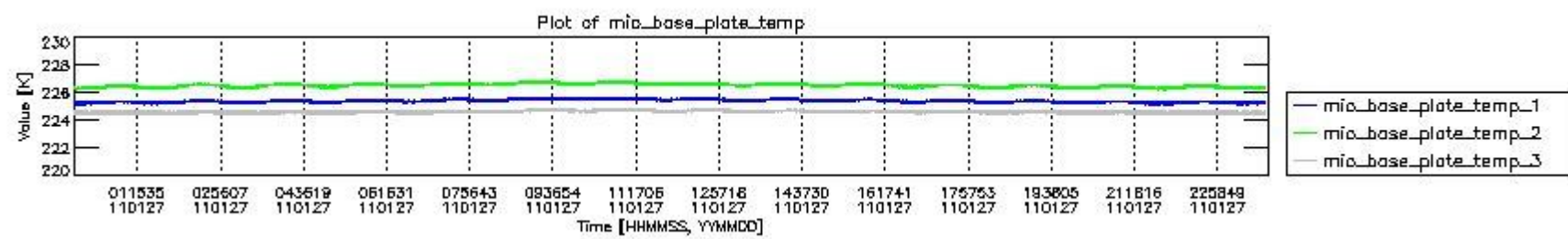
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124800	38539	92.905357
124803	2937	7.0801794
127085	1	0.0024106842

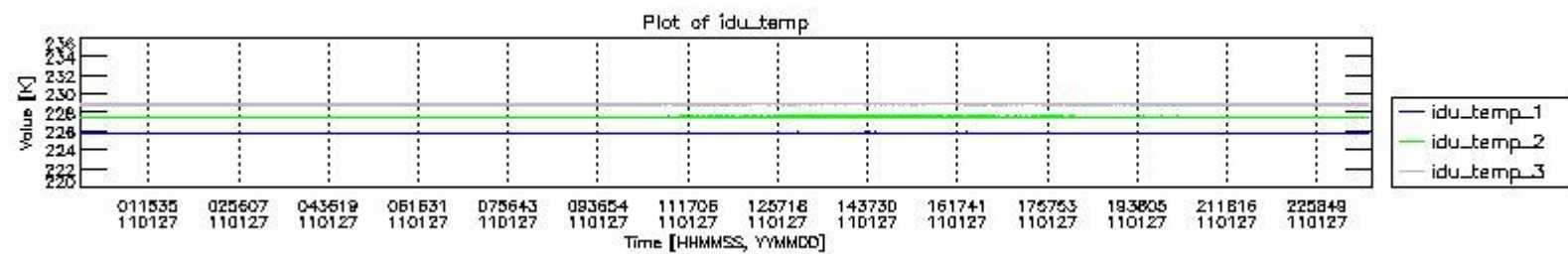
128720	1	0.0024106842
147217	1	0.0024106842
148852	1	0.0024106842
149502	1	0.0024106842
152772	1	0.0024106842



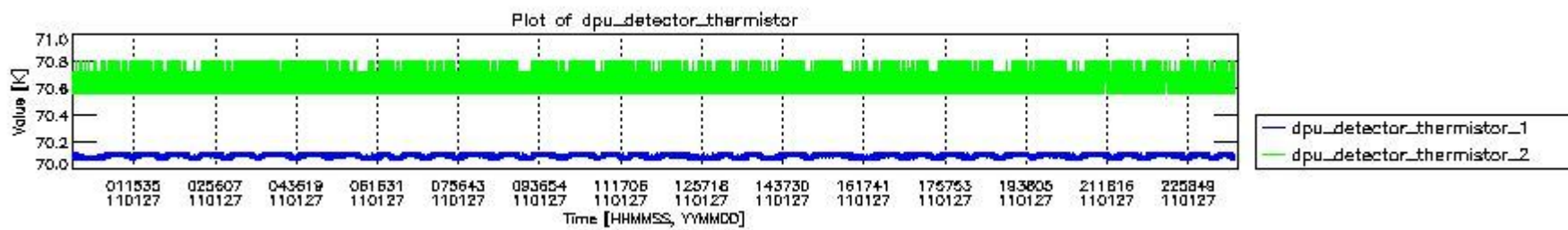
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110127\_0.PNG



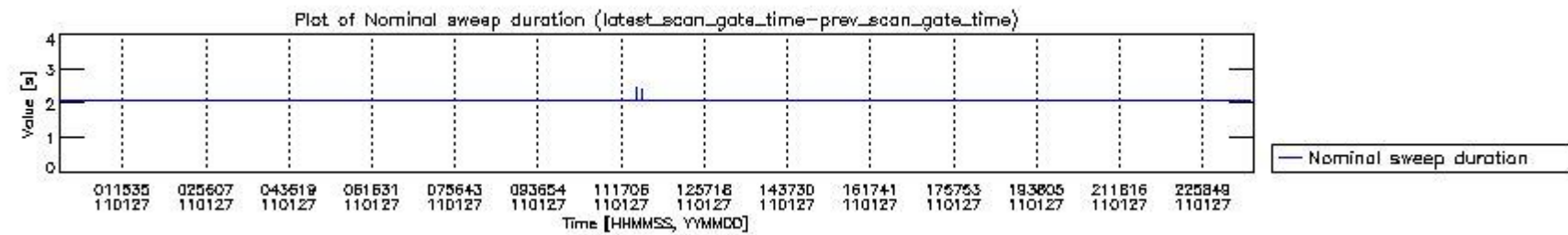
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110127\_1.PNG



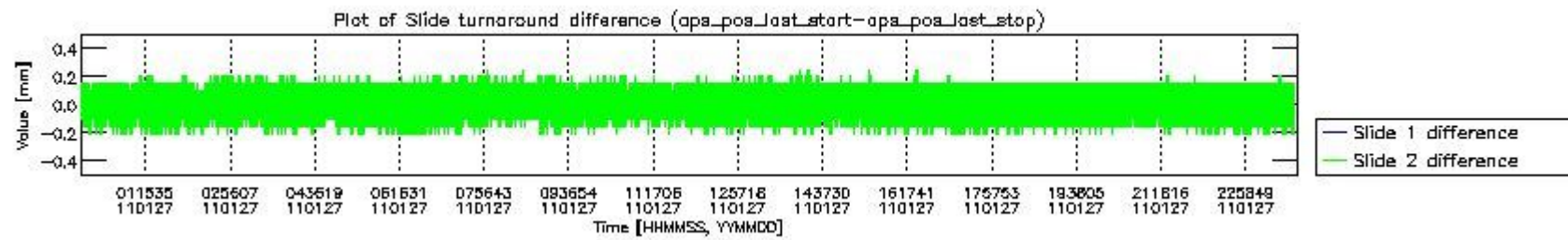
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110127\_2.PNG



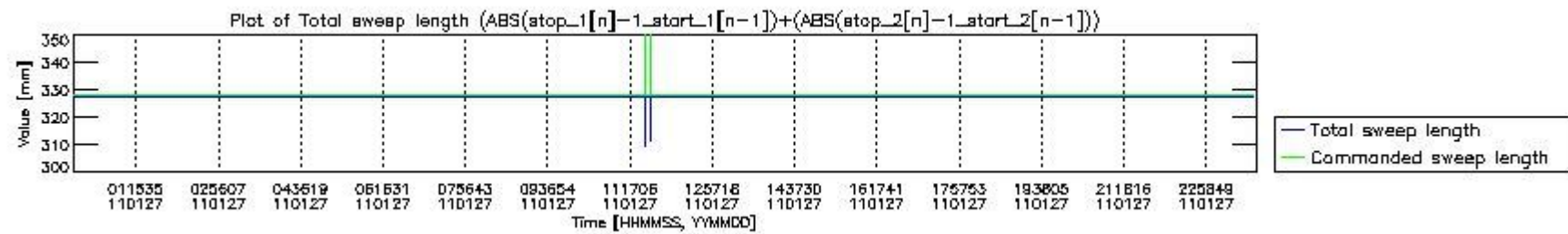
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110127\_3.PNG



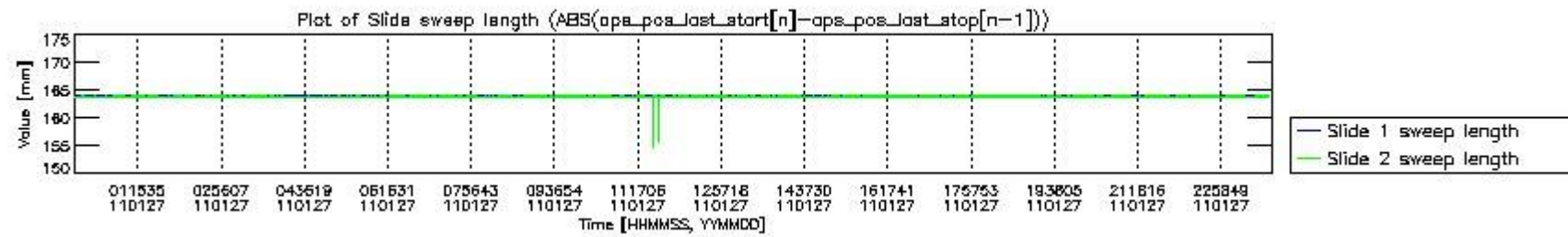
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110127\_4.PNG



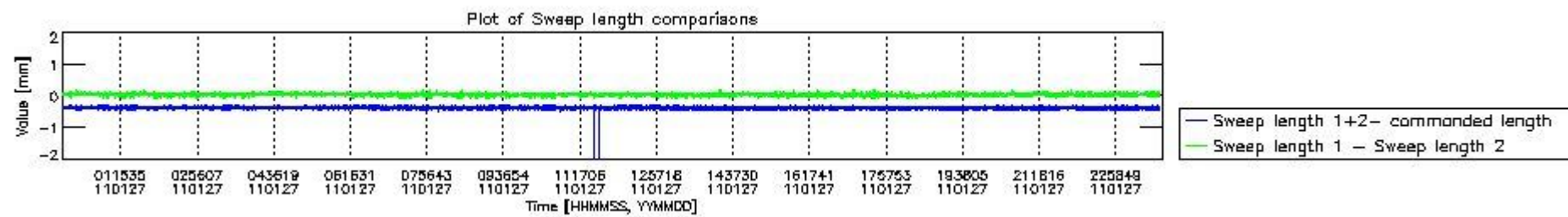
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110127\_5.PNG



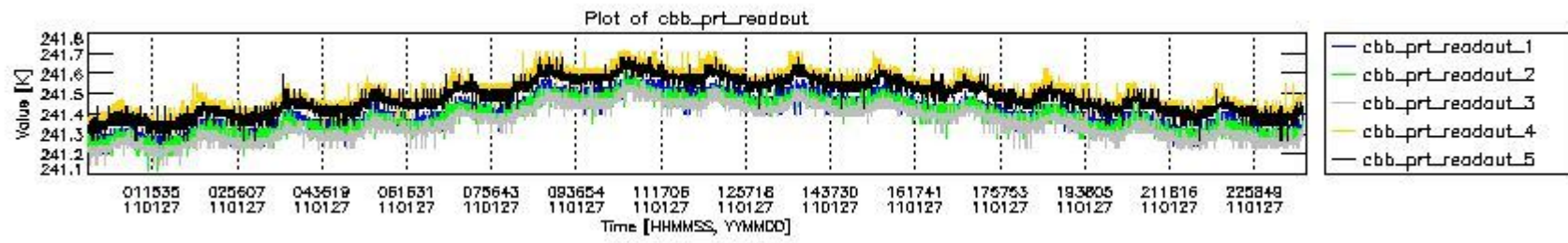
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110127\_6.PNG



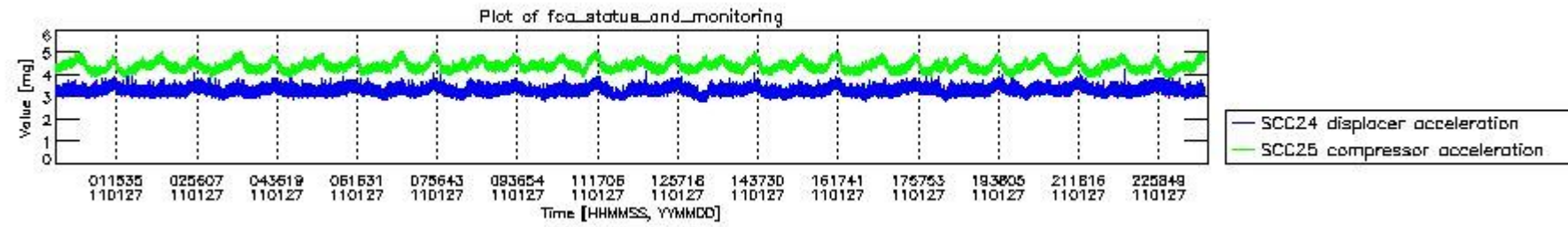
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110127\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110127\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110127\_9.PNG



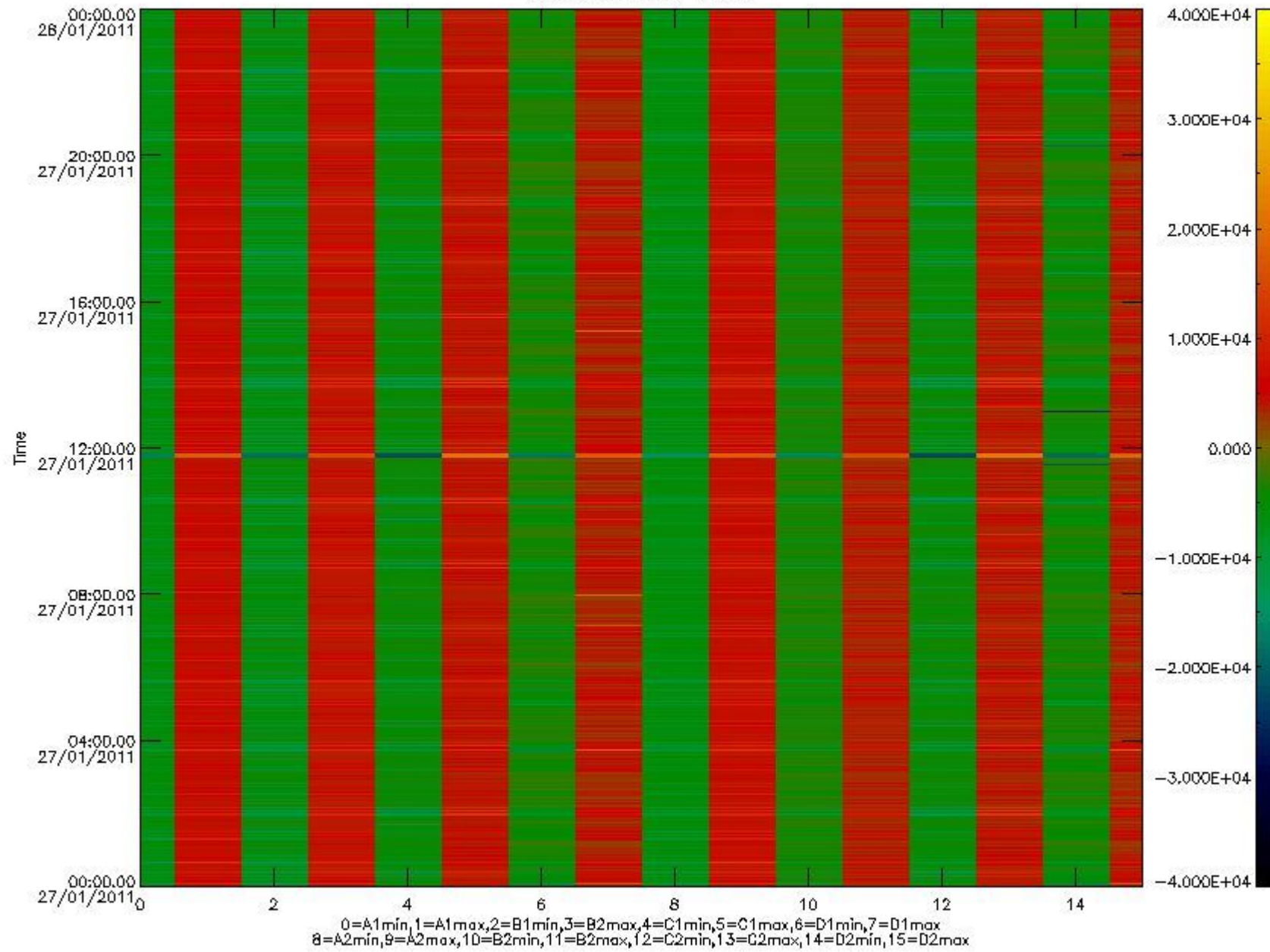
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110127\_10.PNG

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

Channel	Min	Max	ADC
A1	-17522	18543	16bit
B1	-18878	16405	16bit
C1	-23987	21835	16bit
D1	-25142	32767	16bit
A2	-15203	18651	16bit
B2	-16887	16607	16bit
C2	-22913	23455	16bit
D2	-32768	28310	16bit



MIPNL0P\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
Colour indicates value.



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110127\_11.PNG

### 0.3 ADF monitoring

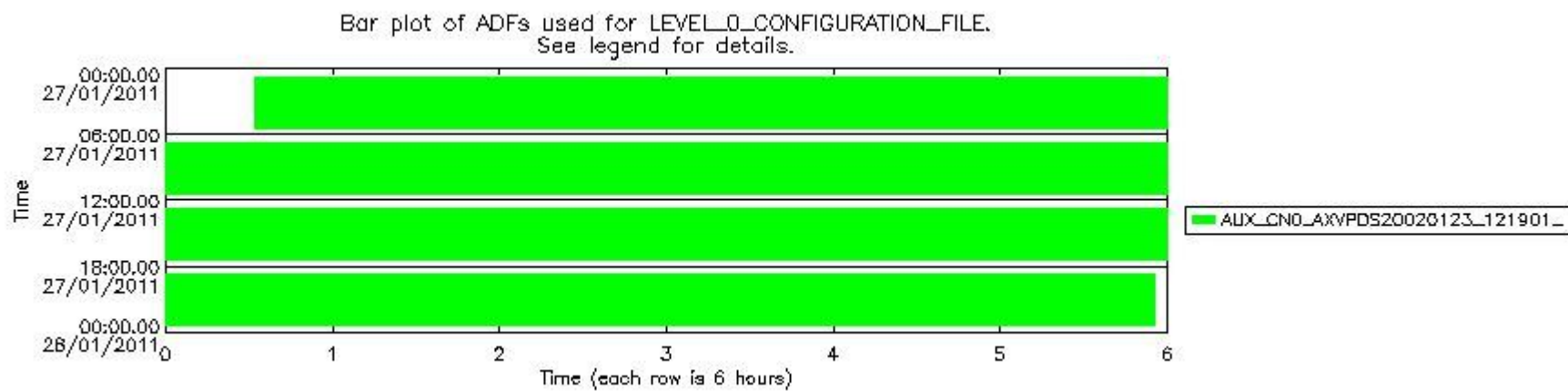
The use of ADFs is shown in two ways:

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.

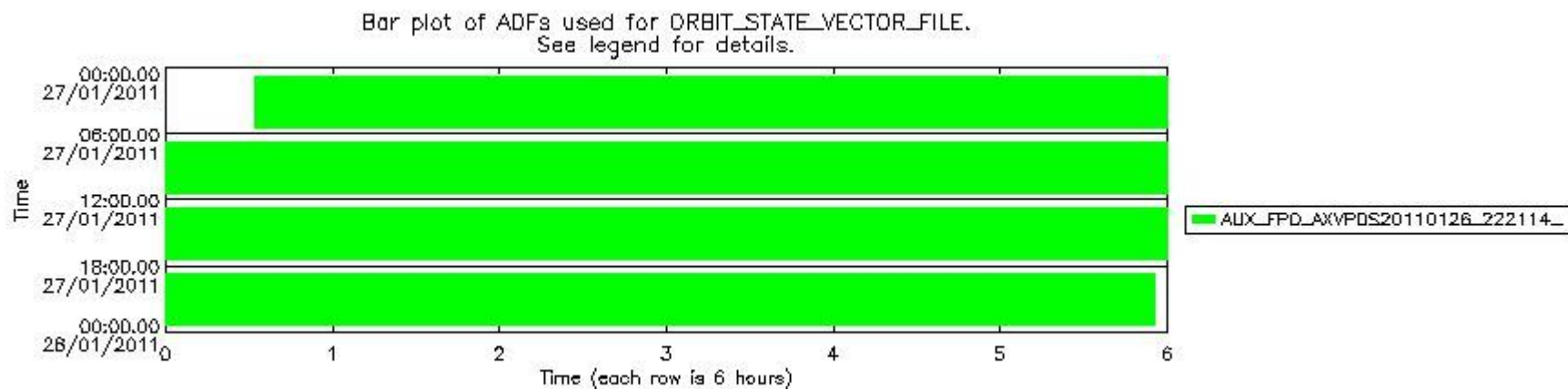
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110126_222114_20110126_194259_20110205_201636

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110127_003205_000058683099_00016_46582_2798.N1	0	1

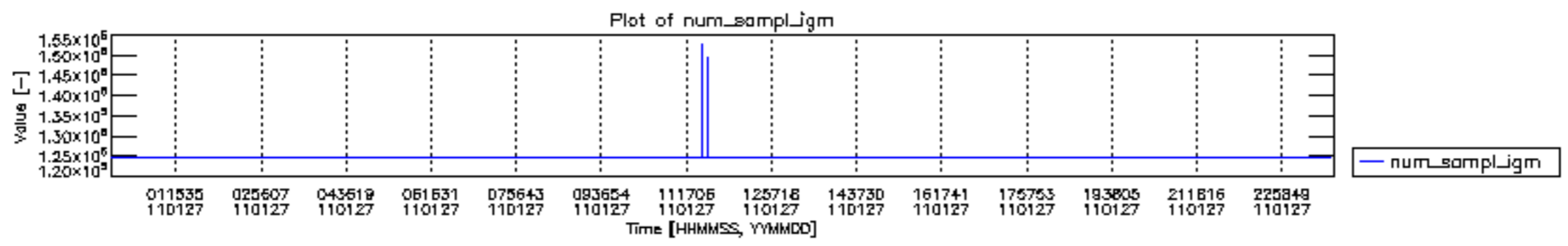
1	MIP_NL__0PNPDE20110127_020857_000045273099_00017_46583_2799.N1	0	1
2	MIP_NL__0PNPDE20110127_032351_000061343099_00018_46584_2800.N1	0	1
3	MIP_NL__0PNPDE20110127_050531_000060463099_00019_46585_2801.N1	0	1
4	MIP_NL__0PNPDK20110127_064543_000039823099_00020_46586_4129.N1	0	1
5	MIP_NL__0PNPDK20110127_075109_000061233099_00021_46587_4130.N1	0	1
6	MIP_NL__0PNPDK20110127_093133_000060353099_00022_46588_4131.N1	0	1
7	MIP_NL__0PNPDK20110127_111049_000061203099_00023_46589_4132.N1	0	1
8	MIP_NL__0PNPDK20110127_125111_000059683099_00024_46590_4133.N1	0	1
9	MIP_NL__0PNPDK20110127_142946_000058873099_00025_46591_4134.N1	0	1
10	MIP_NL__0PNPDK20110127_160719_000059123099_00026_46592_4135.N1	0	1
11	MIP_NL__0PNPDK20110127_174451_000058953099_00027_46593_4136.N1	0	1
12	MIP_NL__0PNPDK20110127_192117_000061983099_00028_46594_4137.N1	0	1
13	MIP_NL__0PNPDE20110127_210339_000043393099_00029_46595_2802.N1	0	1
14	MIP_NL__0PNPDE20110127_221451_000060503099_00029_46595_2803.N1	0	1

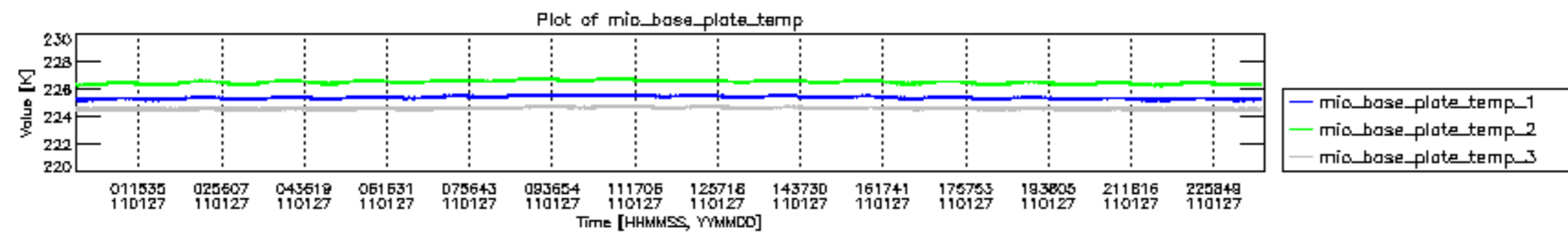


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110127\_12.PNG

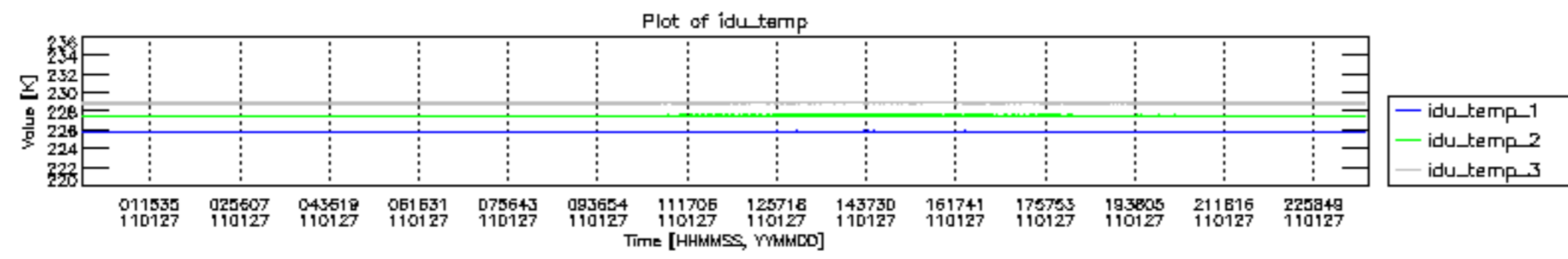


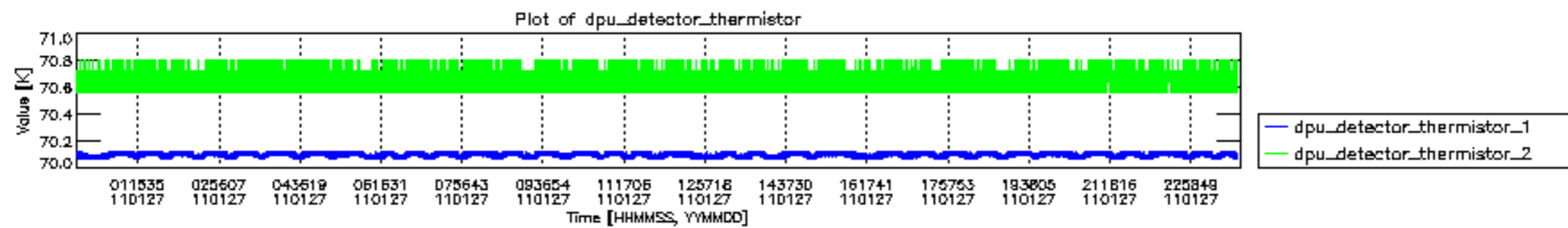
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110127\_13.PNG

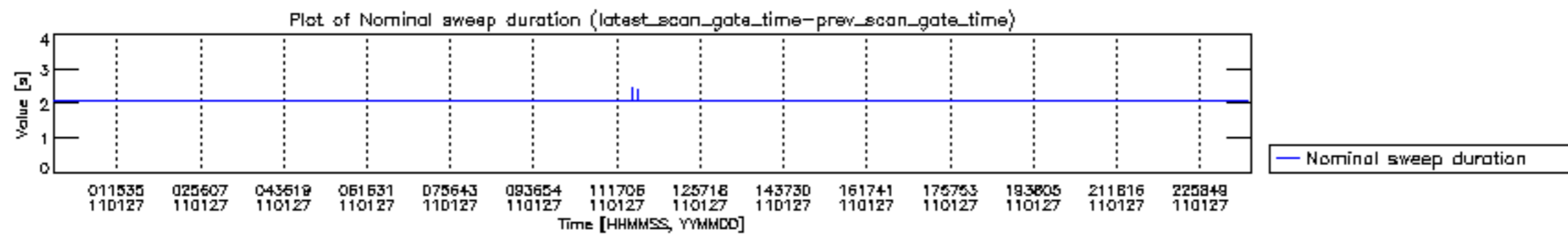


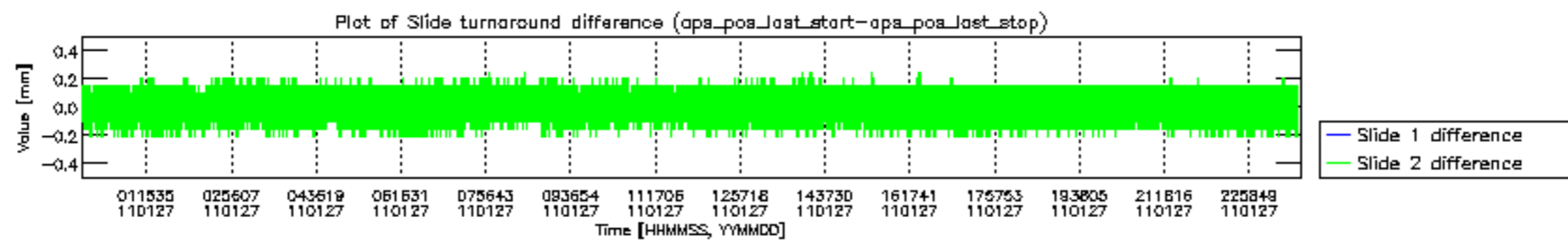


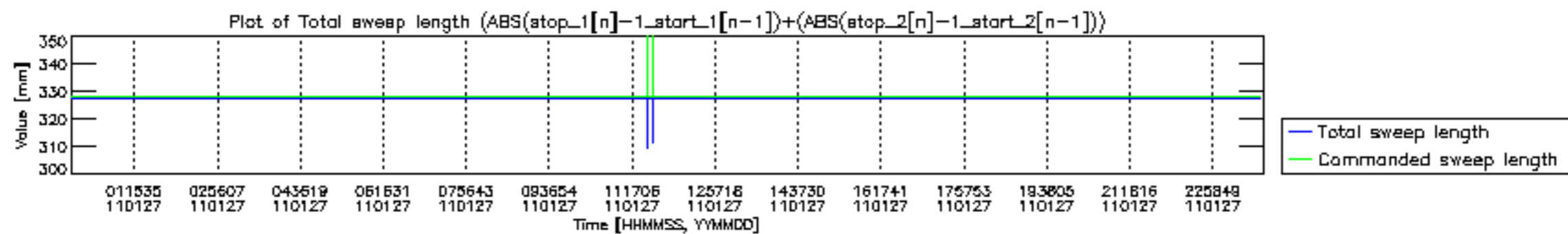




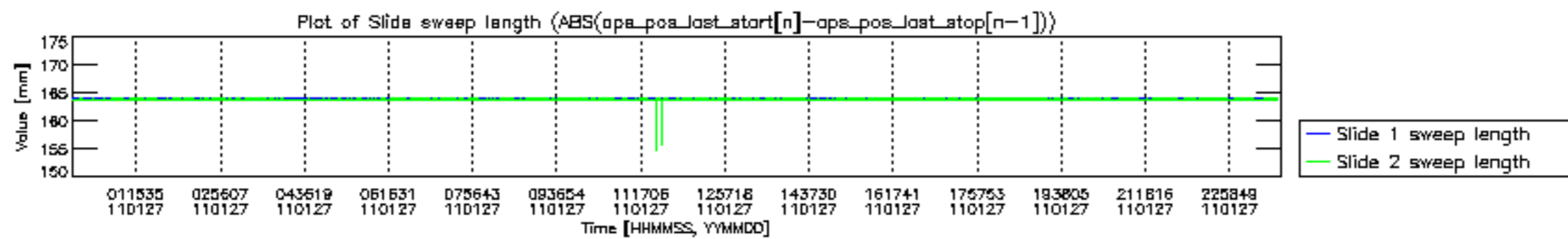


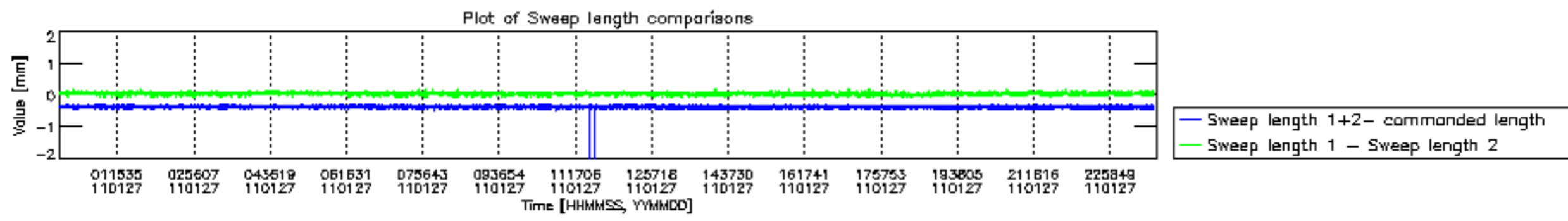


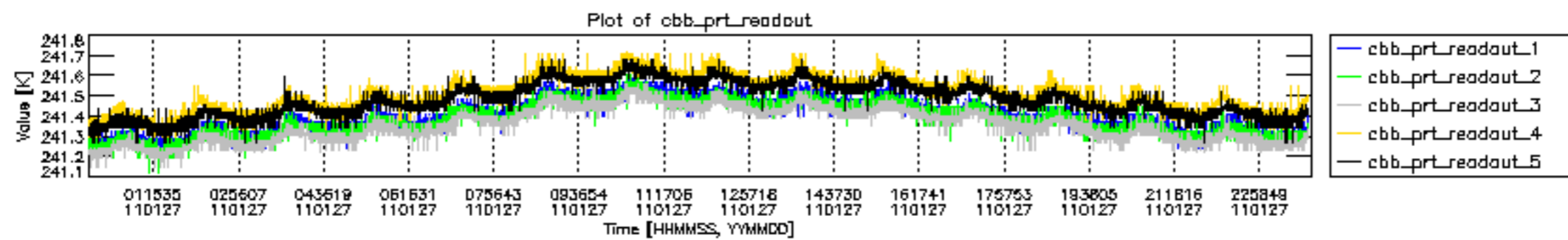


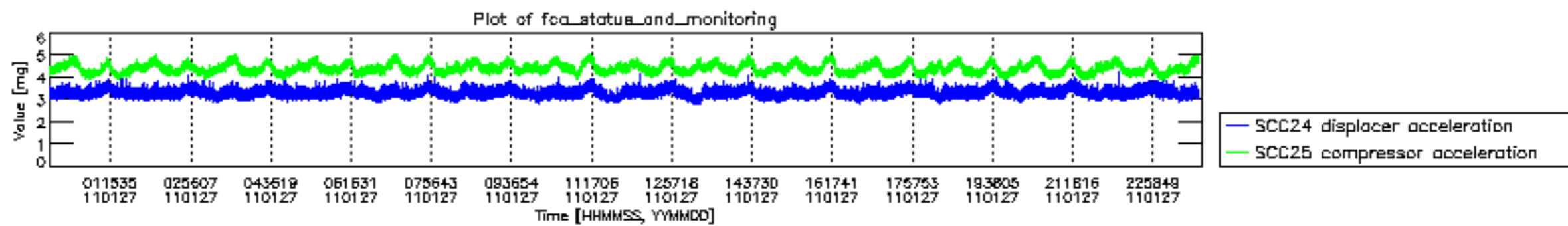












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

