

## 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	04FEB2011 05:24:32
Data source version	KSPT_L0/4504-N
Processing scope for products	30JAN2011 00:00:00 to 31JAN2011 00:00:00
Start time of first product within scope	30JAN2011 00:22:49
Stop time of last product within scope	31JAN2011 01:24:25
Total number of level 0 products	16
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__0PNPDE20110130_002249_000057833099_00059_46625_2817.N1	30JAN2011 00:22:49	30JAN2011 01:59:12	0	0	0	0	0
1	MIP_NL__0PNPDE20110130_015813_000045443099_00060_46626_2818.N1	30JAN2011 01:58:13	30JAN2011 03:13:57	0	0	0	0	0
2	MIP_NL__0PNPDE20110130_031324_000061733099_00061_46627_2819.N1	30JAN2011 03:13:24	30JAN2011 04:56:17	0	0	0	0	0
3	MIP_NL__0PNPDE20110130_045541_000060183099_00062_46628_2820.N1	30JAN2011 04:55:41	30JAN2011 06:35:59	0	0	0	0	0
4	MIP_NL__0PNPDK20110130_063526_000040673099_00063_46629_4155.N1	30JAN2011 06:35:26	30JAN2011 07:43:13	0	0	0	0	0
5	MIP_NL__0PNPDK20110130_074215_000061713099_00064_46630_4156.N1	30JAN2011 07:42:15	30JAN2011 09:25:06	0	0	0	0	0
6	MIP_NL__0PNPDK20110130_092328_000059723099_00065_46631_4157.N1	30JAN2011 09:23:28	30JAN2011 11:02:59	0	0	0	0	0
7	MIP_NL__0PNPDK20110130_110119_000060483099_00066_46632_4158.N1	30JAN2011 11:01:19	30JAN2011 12:42:07	0	0	0	0	0
8	MIP_NL__0PNPDK20110130_124108_000059483099_00067_46633_4159.N1	30JAN2011 12:41:08	30JAN2011 14:20:16	0	0	0	0	0
9	MIP_NL__0PNPDK20110130_141840_000058433099_00068_46634_4160.N1	30JAN2011 14:18:40	30JAN2011 15:56:03	0	0	0	0	0
10	MIP_NL__0PNPDK20110130_155454_000060533099_00069_46635_4161.N1	30JAN2011 15:54:54	30JAN2011 17:35:46	0	0	0	0	0
11	MIP_NL__0PNPDK20110130_173446_000058793099_00070_46636_4163.N1	30JAN2011 17:34:46	30JAN2011 19:12:44	0	0	0	0	0
12	MIP_NL__0PNPDK20110130_191115_000060833099_00071_46637_4164.N1	30JAN2011 19:11:15	30JAN2011 20:52:38	0	0	0	0	0
13	MIP_NL__0PNPDE20110130_205129_000043973099_00072_46638_2821.N1	30JAN2011 20:51:29	30JAN2011 22:04:46	0	0	0	0	0
14	MIP_NL__0PNPDE20110130_220340_000061423099_00072_46638_2822.N1	30JAN2011 22:03:40	30JAN2011 23:46:01	0	0	0	0	0
15	MIP_NL__0PNPDE20110130_234457_000059683099_00073_46639_2823.N1	30JAN2011 23:44:57	31JAN2011 01:24:25	0	0	0	0	0

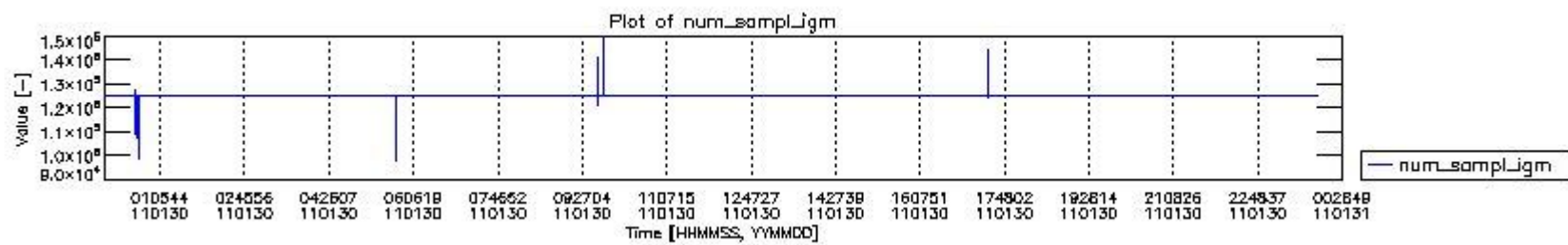
## 0.2 Instrument Operational Performance Parameters

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.

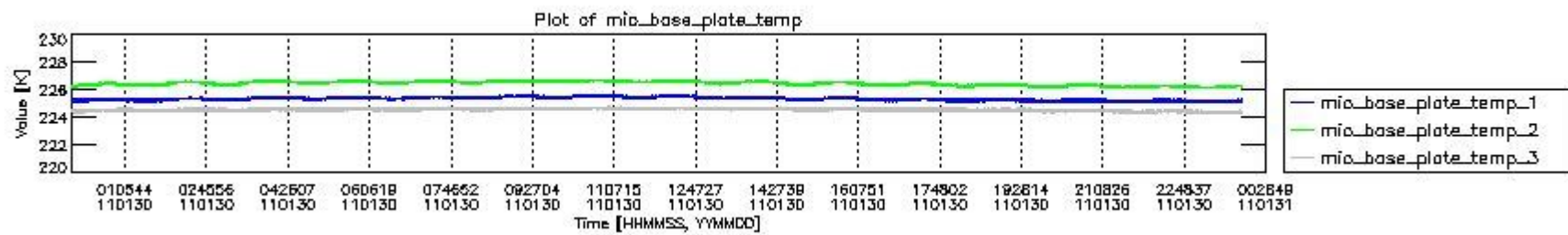
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98206	1	0.0024055231
98699	1	0.0024055231

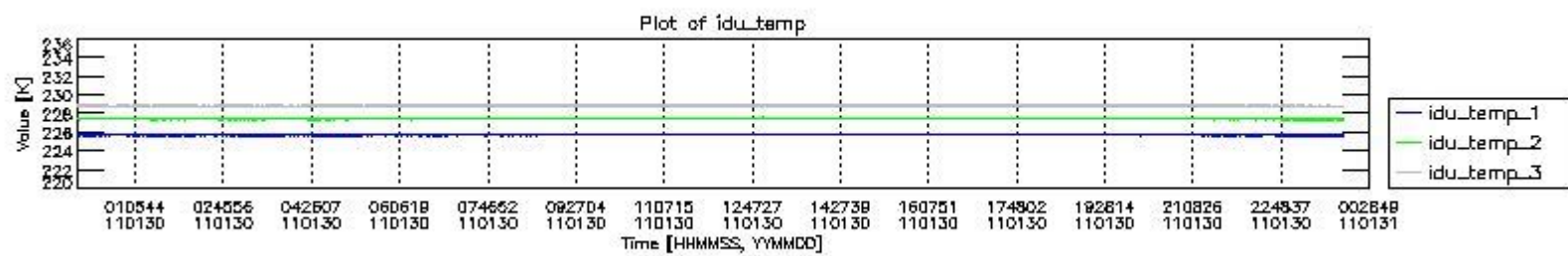
101437	1	0.0024055231
107236	1	0.0024055231
109804	1	0.0024055231
121137	1	0.0024055231
121569	1	0.0024055231
123102	1	0.0024055231
123951	1	0.0024055231
124260	1	0.0024055231
124800	39178	94.243583
124803	2375	5.7131173
127308	1	0.0024055231
127368	1	0.0024055231
137606	1	0.0024055231
141269	1	0.0024055231
143852	1	0.0024055231
144392	1	0.0024055231
147440	1	0.0024055231
149948	1	0.0024055231



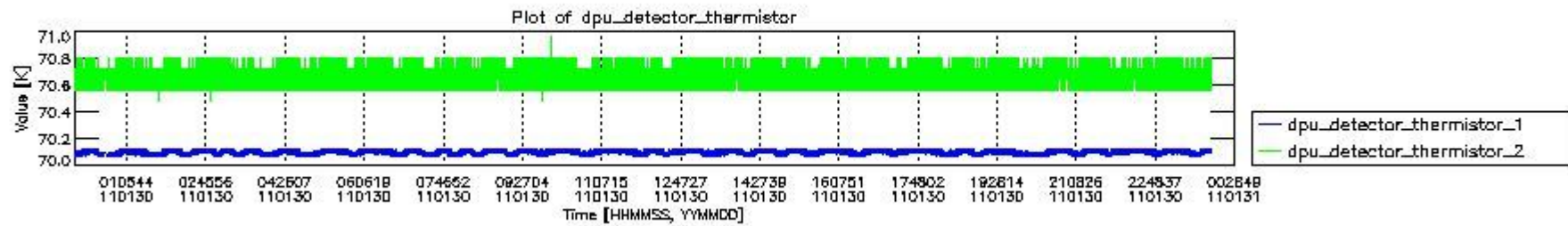
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110130\_0.PNG



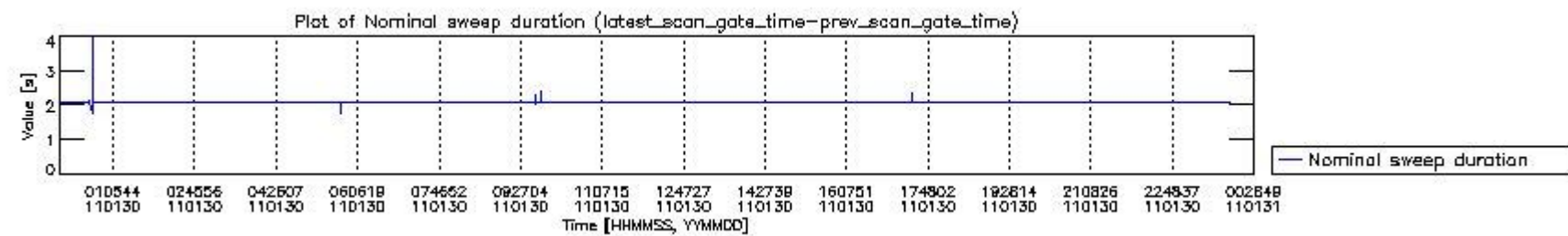
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110130\_1.PNG



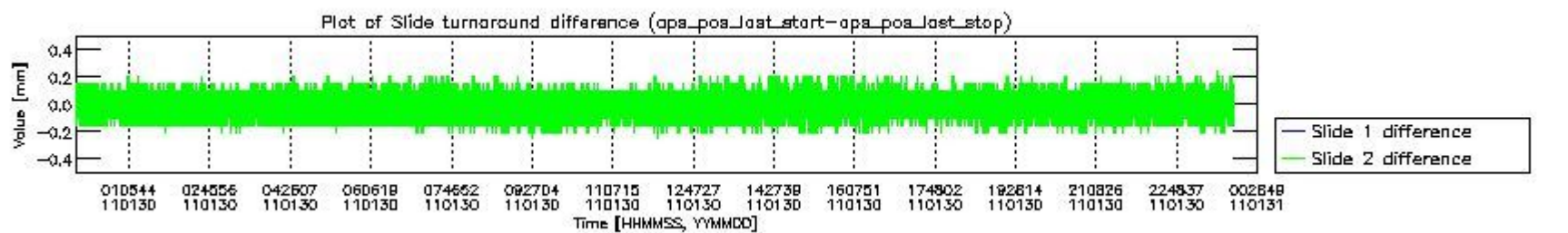
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110130\_2.PNG



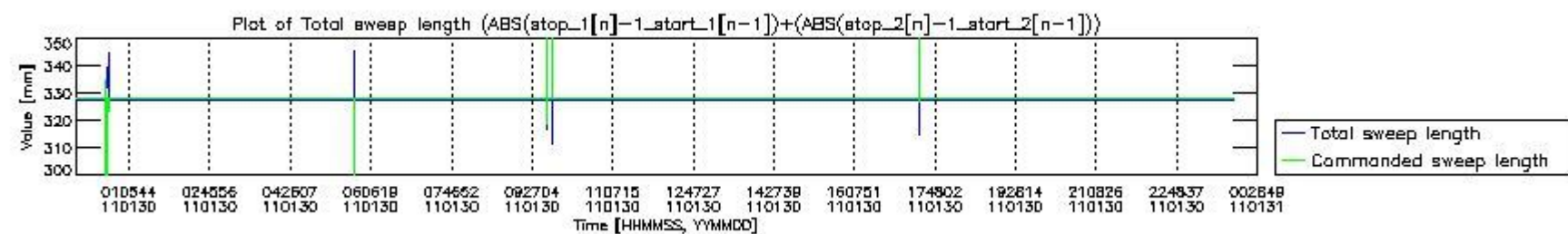
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110130\_3.PNG



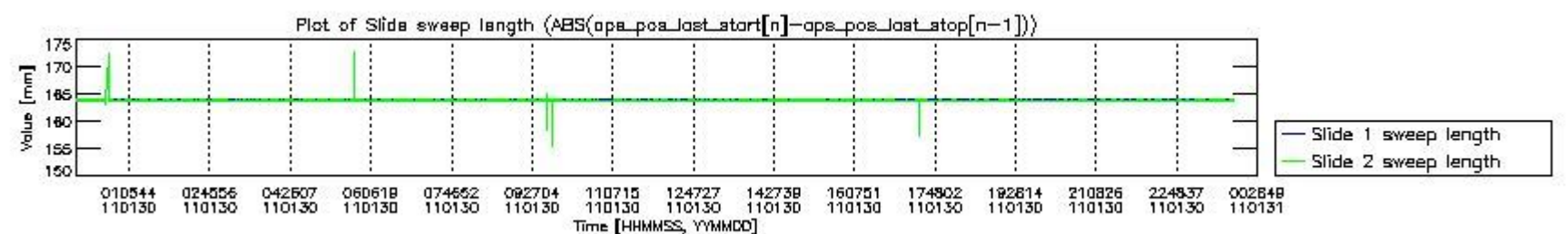
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110130\_4.PNG



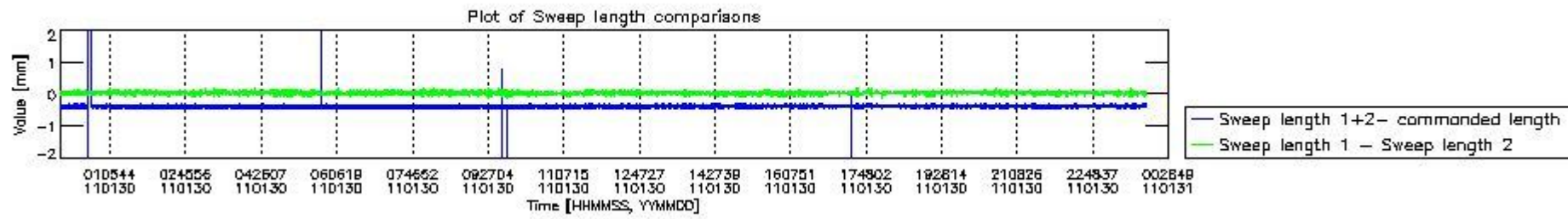
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110130\_5.PNG



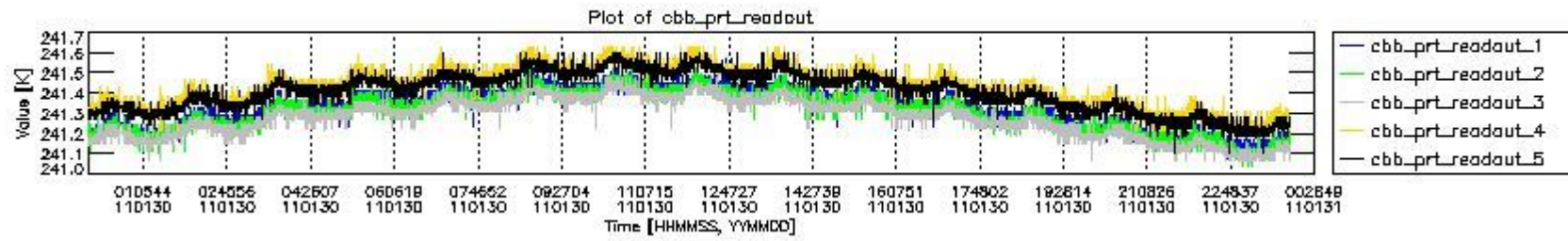
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110130\_6.PNG



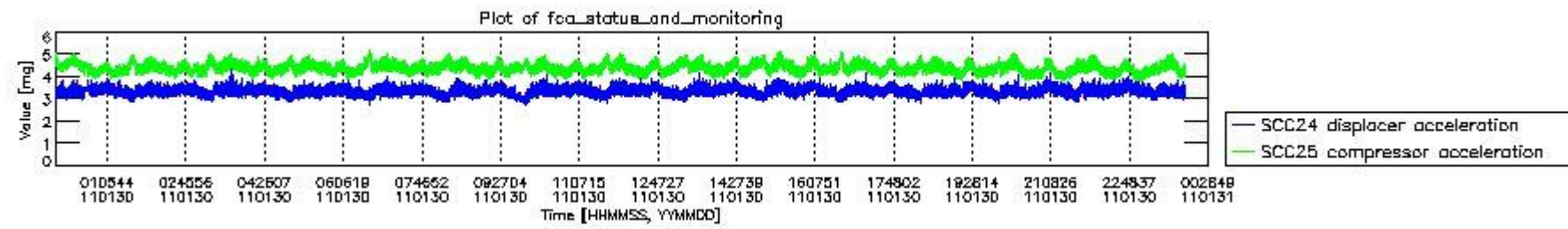
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110130\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110130\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110130\_9.PNG



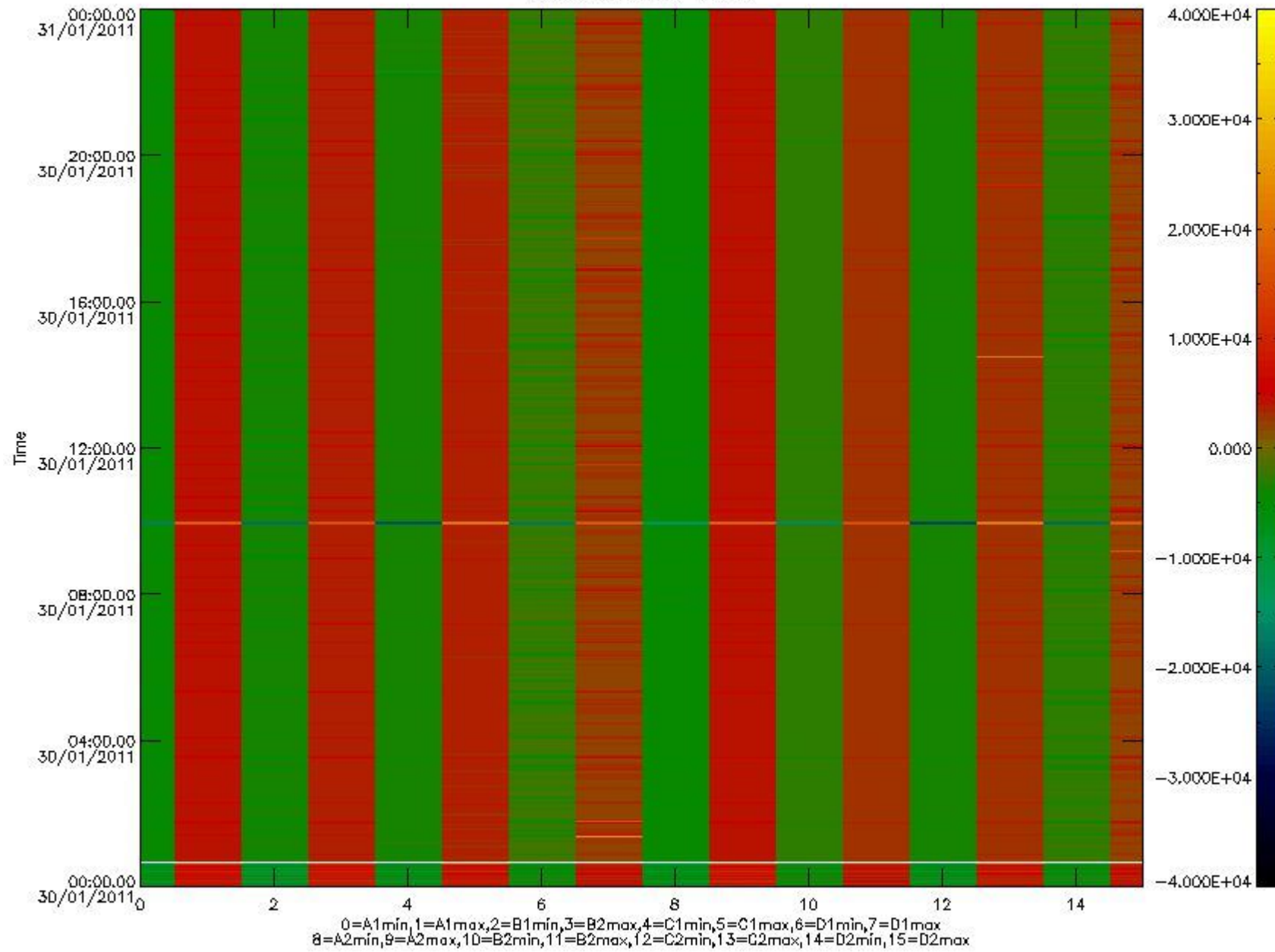
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110130\_10.PNG

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

Channel	Min	Max	ADC
A1	-17493	18503	16bit
B1	-18810	16365	16bit
C1	-21889	21692	16bit
D1	-17894	32767	16bit
A2	-15180	18616	16bit
B2	-16827	16561	16bit
C2	-22802	25327	16bit
D2	-32768	20325	16bit



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



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110130\_11.PNG

### 0.3 ADF monitoring

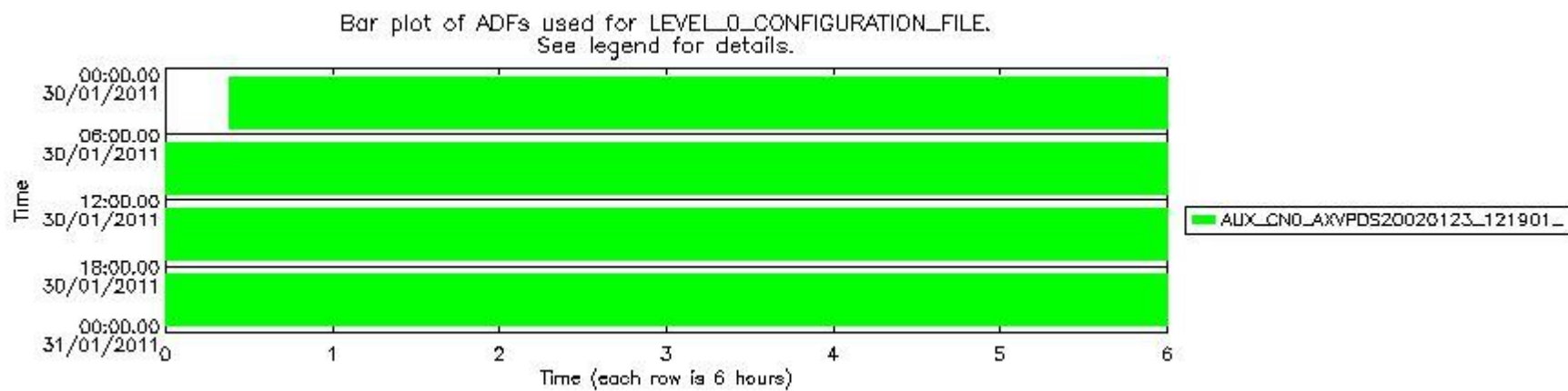
The use of ADFs is shown in two ways:

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.

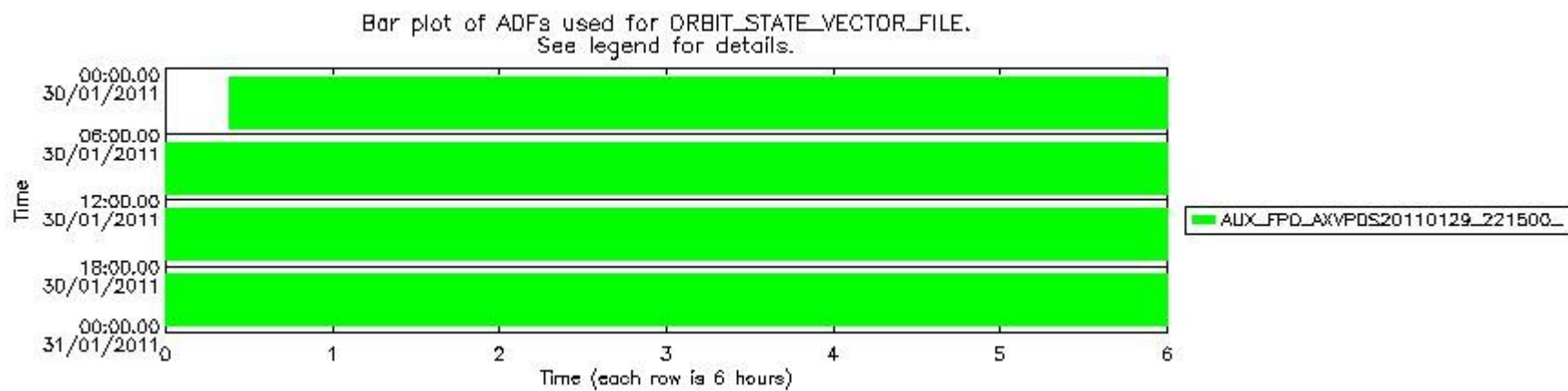
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110129_221500_20110129_193301_20110208_200639

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110130_002249_000057833099_00059_46625_2817.N1	0	1

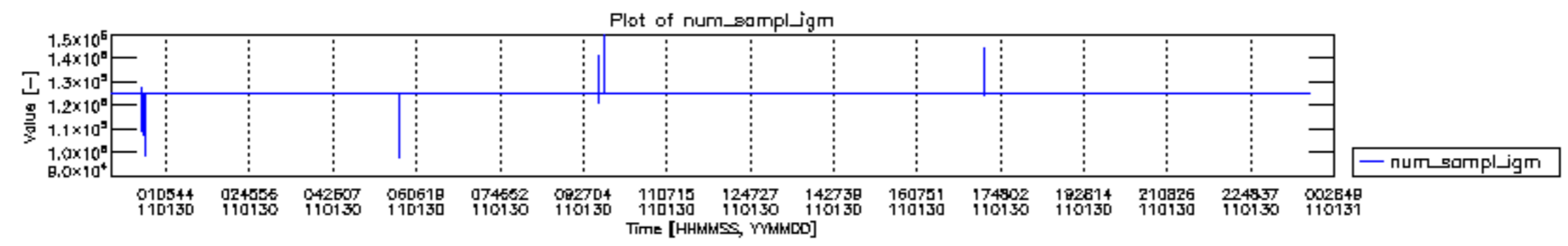
1	MIP_NL__0PNPDE20110130_015813_000045443099_00060_46626_2818.N1	0	1
2	MIP_NL__0PNPDE20110130_031324_000061733099_00061_46627_2819.N1	0	1
3	MIP_NL__0PNPDE20110130_045541_000060183099_00062_46628_2820.N1	0	1
4	MIP_NL__0PNPDK20110130_063526_000040673099_00063_46629_4155.N1	0	1
5	MIP_NL__0PNPDK20110130_074215_000061713099_00064_46630_4156.N1	0	1
6	MIP_NL__0PNPDK20110130_092328_000059723099_00065_46631_4157.N1	0	1
7	MIP_NL__0PNPDK20110130_110119_000060483099_00066_46632_4158.N1	0	1
8	MIP_NL__0PNPDK20110130_124108_000059483099_00067_46633_4159.N1	0	1
9	MIP_NL__0PNPDK20110130_141840_000058433099_00068_46634_4160.N1	0	1
10	MIP_NL__0PNPDK20110130_155454_000060533099_00069_46635_4161.N1	0	1
11	MIP_NL__0PNPDK20110130_173446_000058793099_00070_46636_4163.N1	0	1
12	MIP_NL__0PNPDK20110130_191115_000060833099_00071_46637_4164.N1	0	1
13	MIP_NL__0PNPDE20110130_205129_000043973099_00072_46638_2821.N1	0	1
14	MIP_NL__0PNPDE20110130_220340_000061423099_00072_46638_2822.N1	0	1
15	MIP_NL__0PNPDE20110130_234457_000059683099_00073_46639_2823.N1	0	1

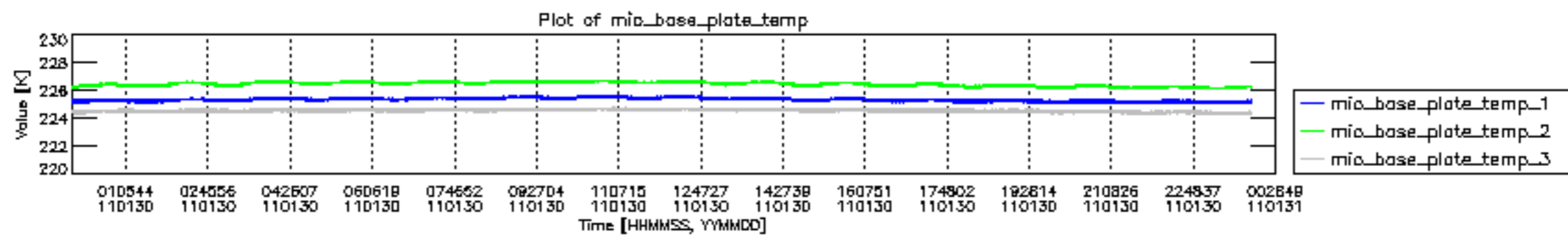


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110130\_12.PNG

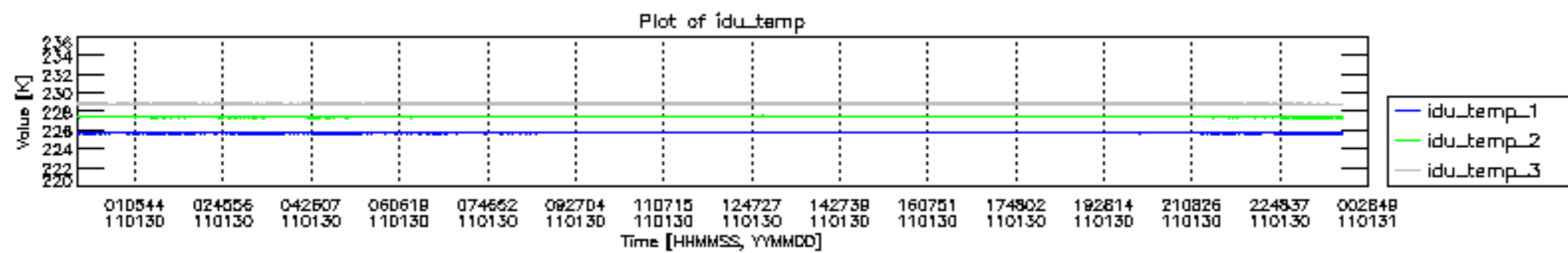


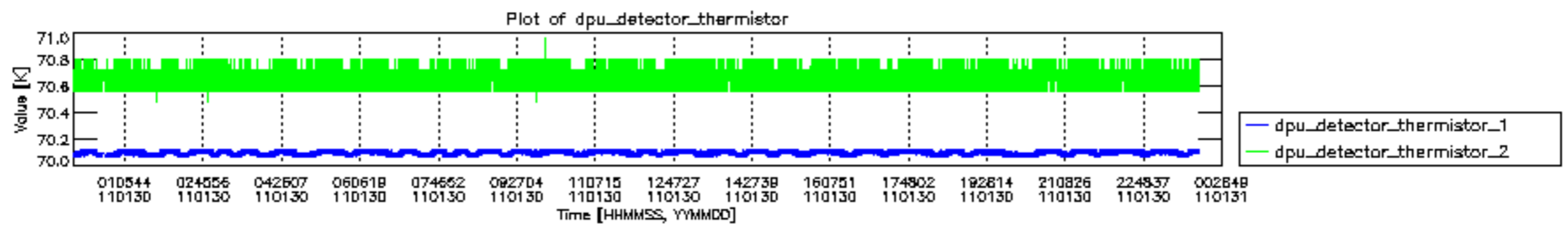
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110130\_13.PNG

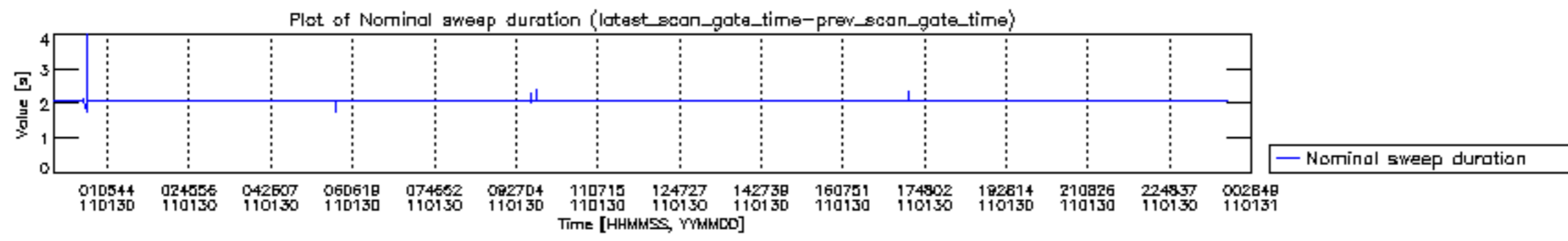


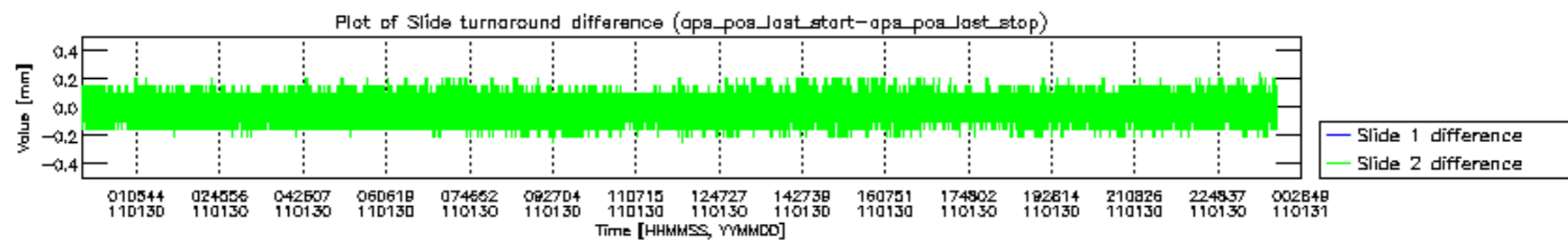


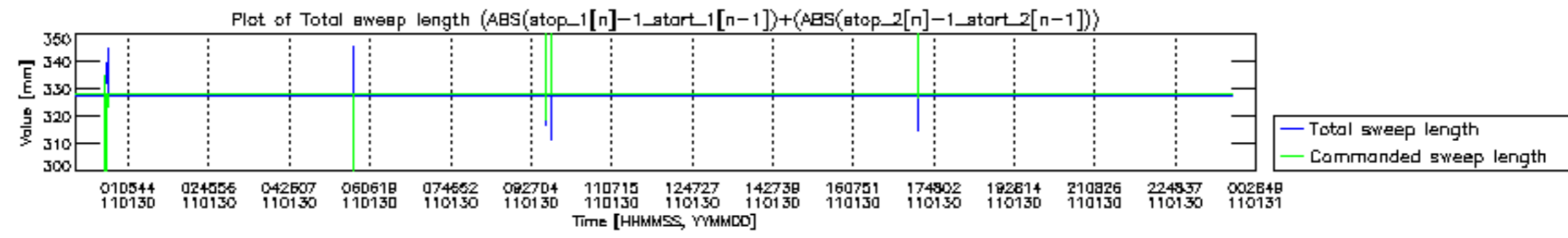




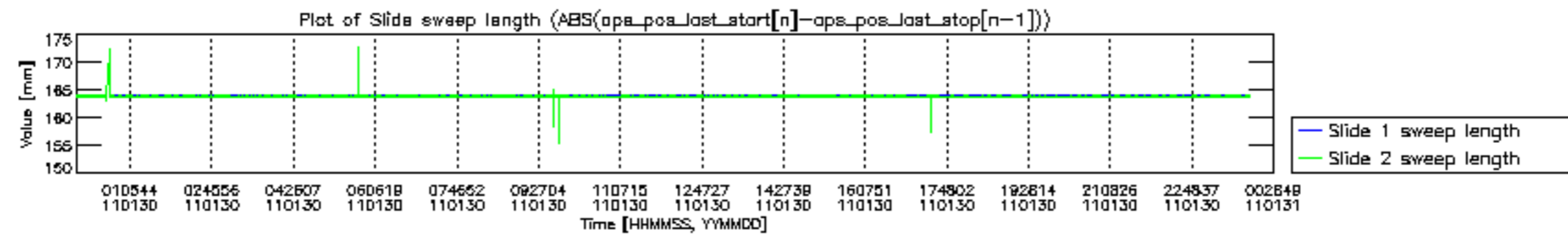


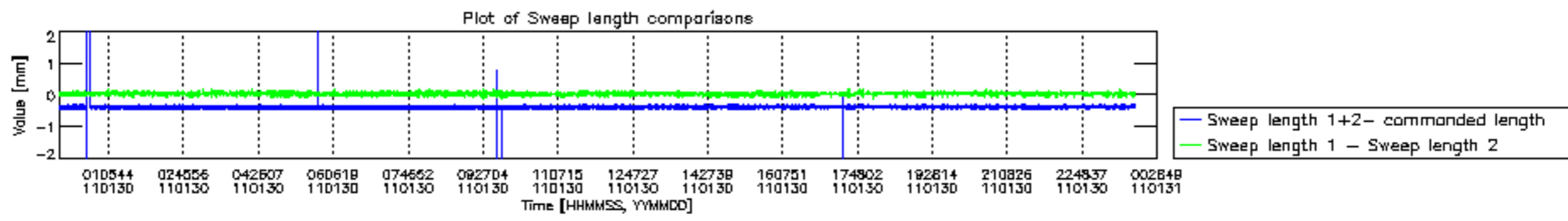


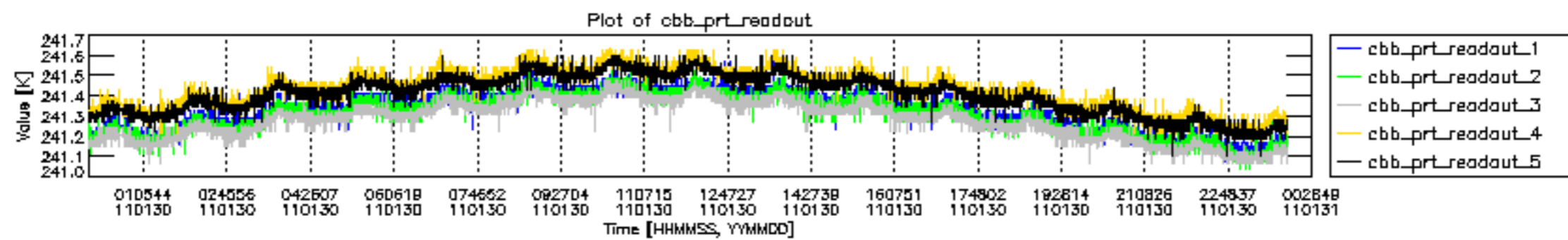


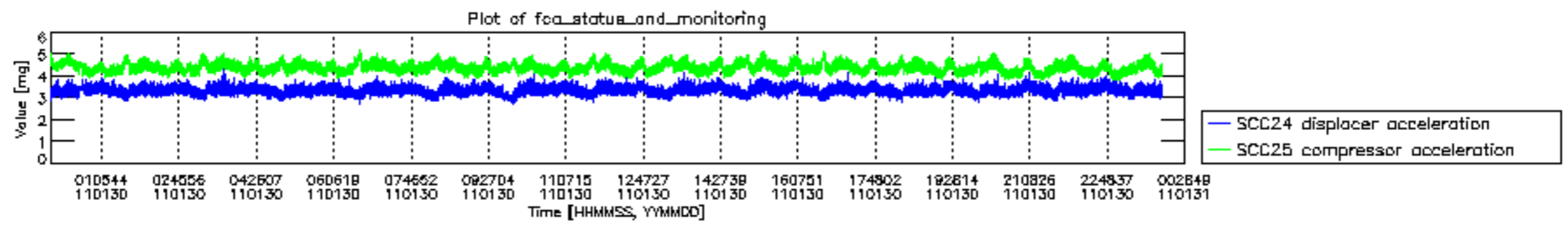












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

