

## 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	25DEC2011 05:23:33
Data source version	KSPT_L0/4504-N
Processing scope for products	20DEC2011 00:00:00 to 21DEC2011 00:00:00
Start time of first product within scope	20DEC2011 00:46:12
Stop time of last product within scope	21DEC2011 00:10:34
Total number of level 0 products	15
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__0PNPDE20111220_004612_000058483109_00404_51280_5173.N1	20DEC2011 00:46:12	20DEC2011 02:23:40	0	0	0	0	0
1	MIP_NL__0PNPDE20111220_022242_000045213109_00405_51281_5174.N1	20DEC2011 02:22:42	20DEC2011 03:38:02	0	0	0	0	0
2	MIP_NL__0PNPDE20111220_033729_000061613109_00406_51282_5175.N1	20DEC2011 03:37:29	20DEC2011 05:20:10	0	0	0	0	0
3	MIP_NL__0PNPDE20111220_051936_000060373109_00407_51283_5176.N1	20DEC2011 05:19:36	20DEC2011 07:00:13	0	0	0	0	0
4	MIP_NL__0PNPDK20111220_065938_000041033109_00408_51284_7841.N1	20DEC2011 06:59:38	20DEC2011 08:08:01	0	0	0	0	0
5	MIP_NL__0PNPDK20111220_080702_000060103109_00409_51285_7842.N1	20DEC2011 08:07:02	20DEC2011 09:47:12	0	0	0	0	0
6	MIP_NL__0PNPDK20111220_094534_000059753109_00410_51286_7843.N1	20DEC2011 09:45:34	20DEC2011 11:25:09	0	0	0	0	0
7	MIP_NL__0PNPDK20111220_112337_000061863109_00411_51287_7844.N1	20DEC2011 11:23:37	20DEC2011 13:06:43	0	0	0	0	0
8	MIP_NL__0PNPDK20111220_130542_000059183109_00412_51288_7845.N1	20DEC2011 13:05:42	20DEC2011 14:44:20	0	0	0	0	0
9	MIP_NL__0PNPDK20111220_144328_000059163109_00413_51289_7846.N1	20DEC2011 14:43:28	20DEC2011 16:22:04	1	1	1	0	0
10	MIP_NL__0PNPDK20111220_162013_000059733109_00414_51290_7851.N1	20DEC2011 16:20:13	20DEC2011 17:59:46	0	0	0	0	0
11	MIP_NL__0PNPDK20111220_175843_000059933109_00415_51291_7852.N1	20DEC2011 17:58:43	20DEC2011 19:38:37	0	0	0	0	0
12	MIP_NL__0PNPDK20111220_193621_000060443109_00416_51292_7853.N1	20DEC2011 19:36:21	20DEC2011 21:17:04	0	0	0	0	0
13	MIP_NL__0PNPDE20111220_211528_000044453109_00417_51293_0450.N1	20DEC2011 21:15:28	20DEC2011 22:29:34	0	0	0	0	0
14	MIP_NL__0PNPDE20111220_222835_000061193109_00417_51293_5178.N1	20DEC2011 22:28:35	21DEC2011 00:10:34	0	0	0	0	0

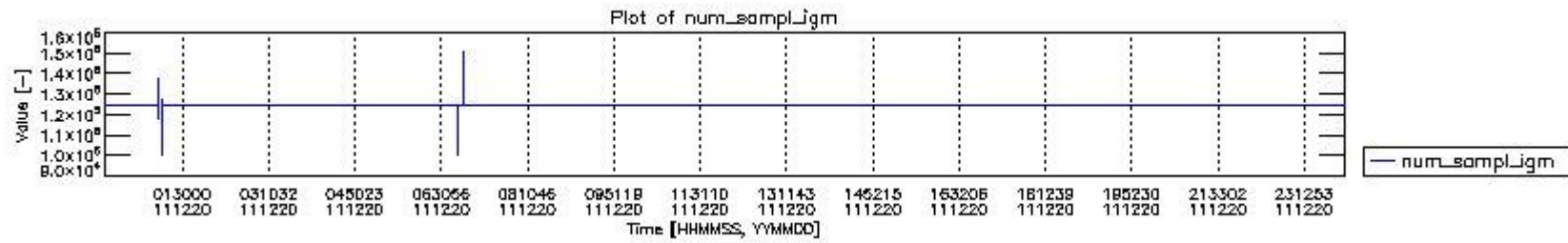
## 0.2 Instrument Operational Performance Parameters

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.

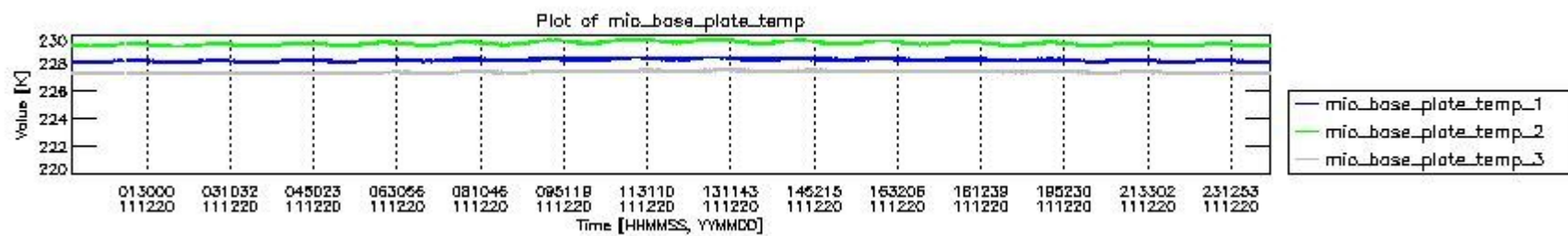
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
99842	1	0.0024066230
100706	1	0.0024066230
102255	1	0.0024066230

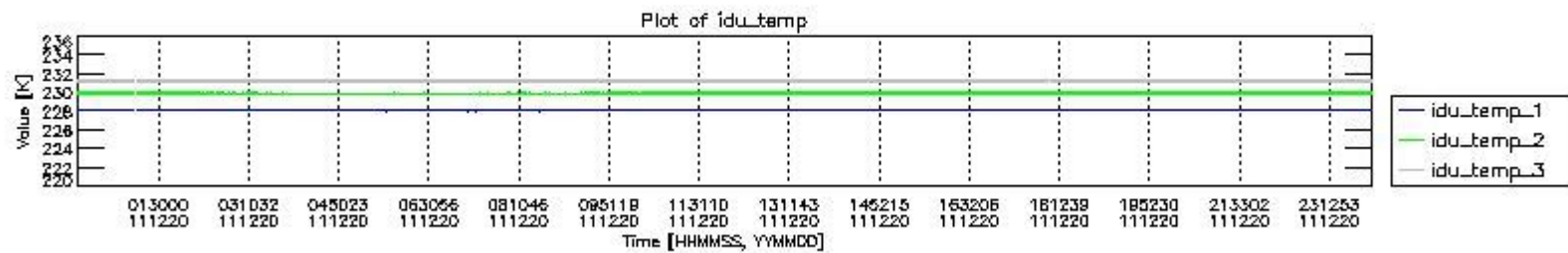
117718	1	0.0024066230
122387	1	0.0024066230
124800	39156	94.233731
124803	2384	5.7373893
125958	1	0.0024066230
127116	1	0.0024066230
127531	1	0.0024066230
130768	1	0.0024066230
137850	1	0.0024066230
147663	1	0.0024066230
150394	1	0.0024066230



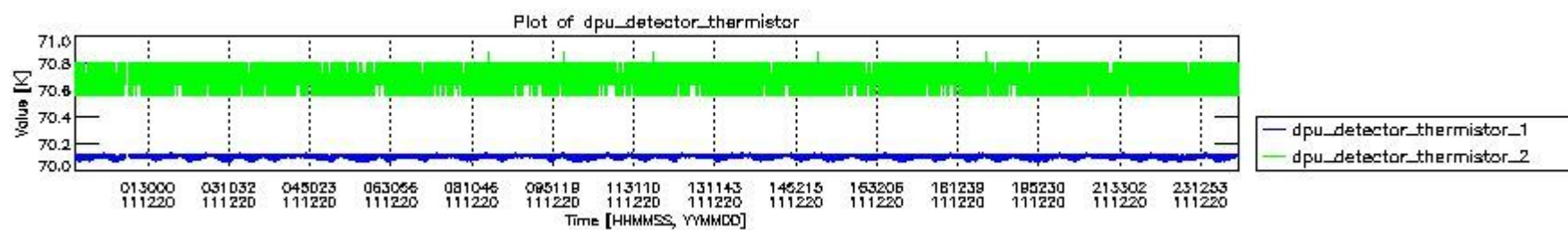
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111220\_0.PNG



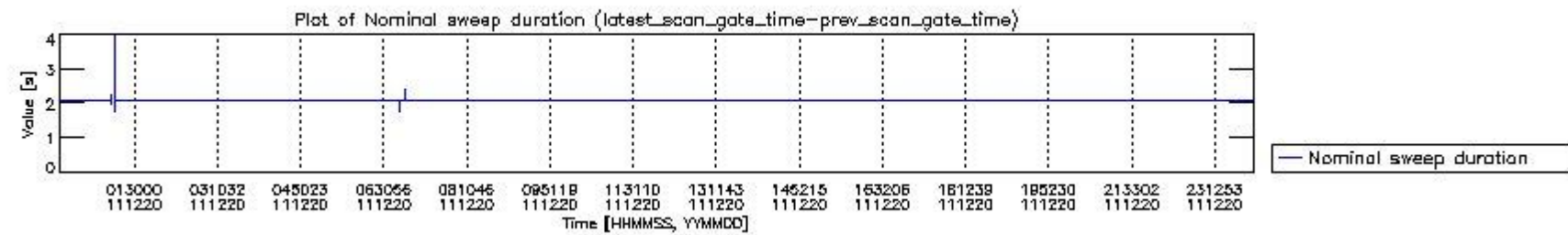
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111220\_1.PNG



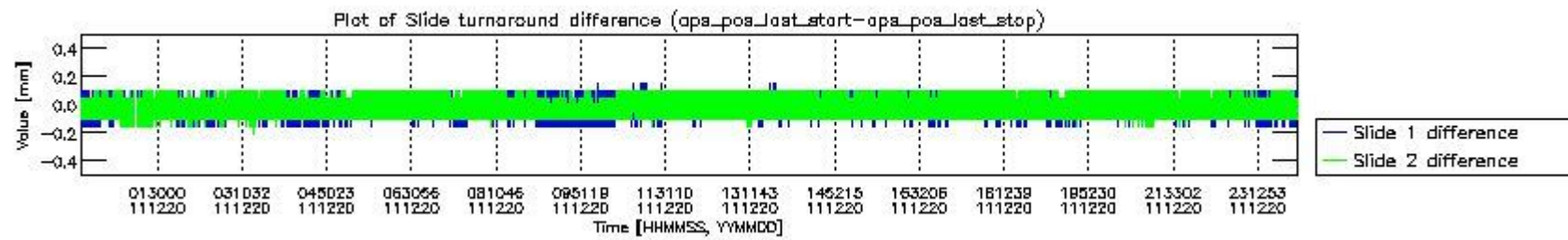
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111220\_2.PNG



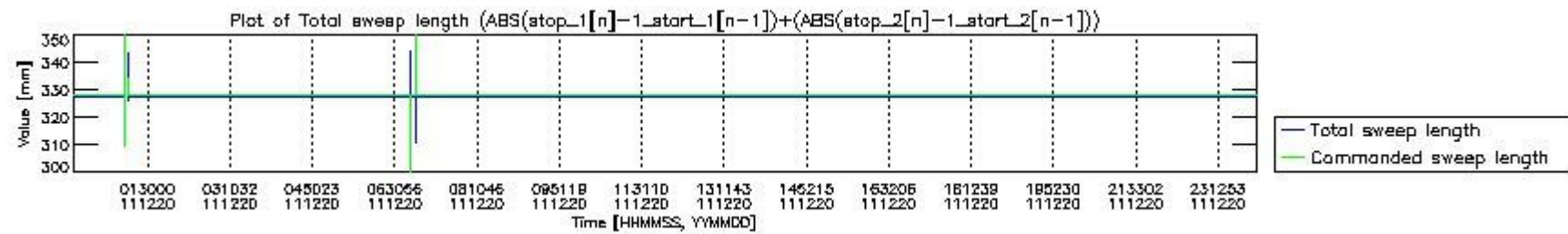
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111220\_3.PNG



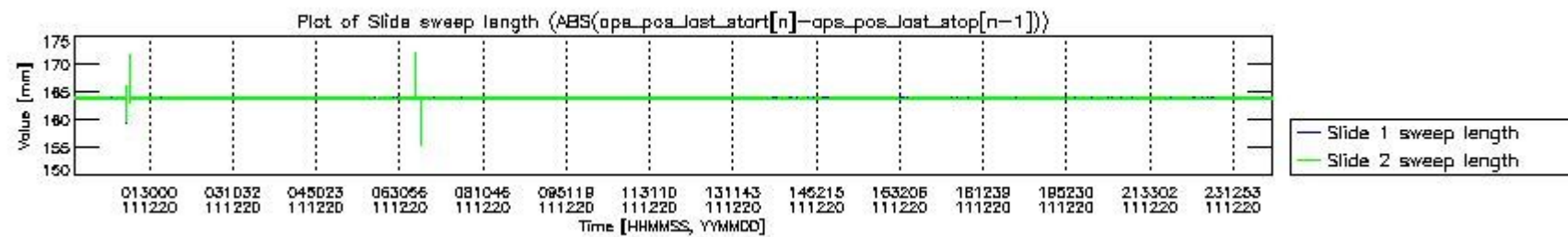
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111220\_4.PNG



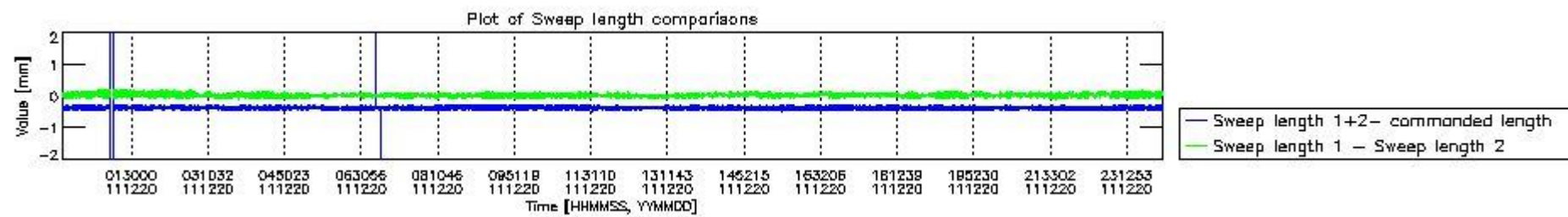
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111220\_5.PNG



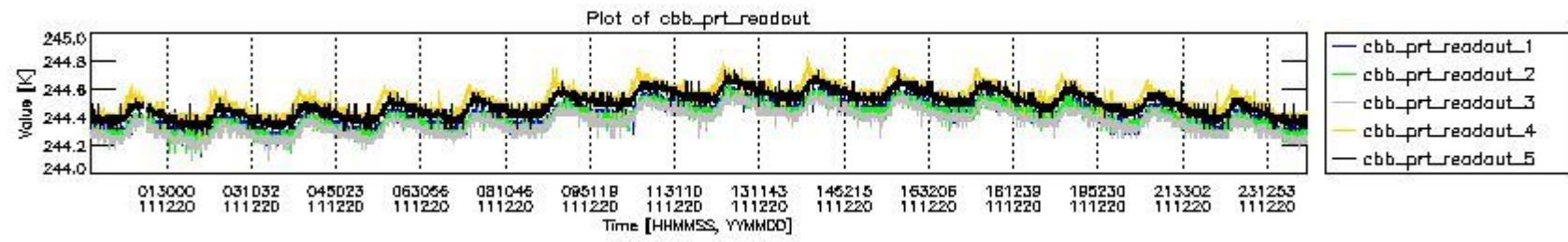
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111220\_6.PNG



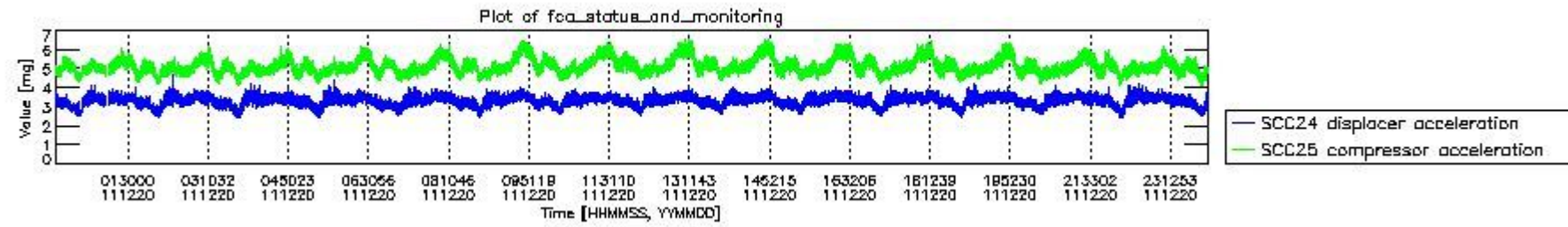
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111220\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111220\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111220\_9.PNG



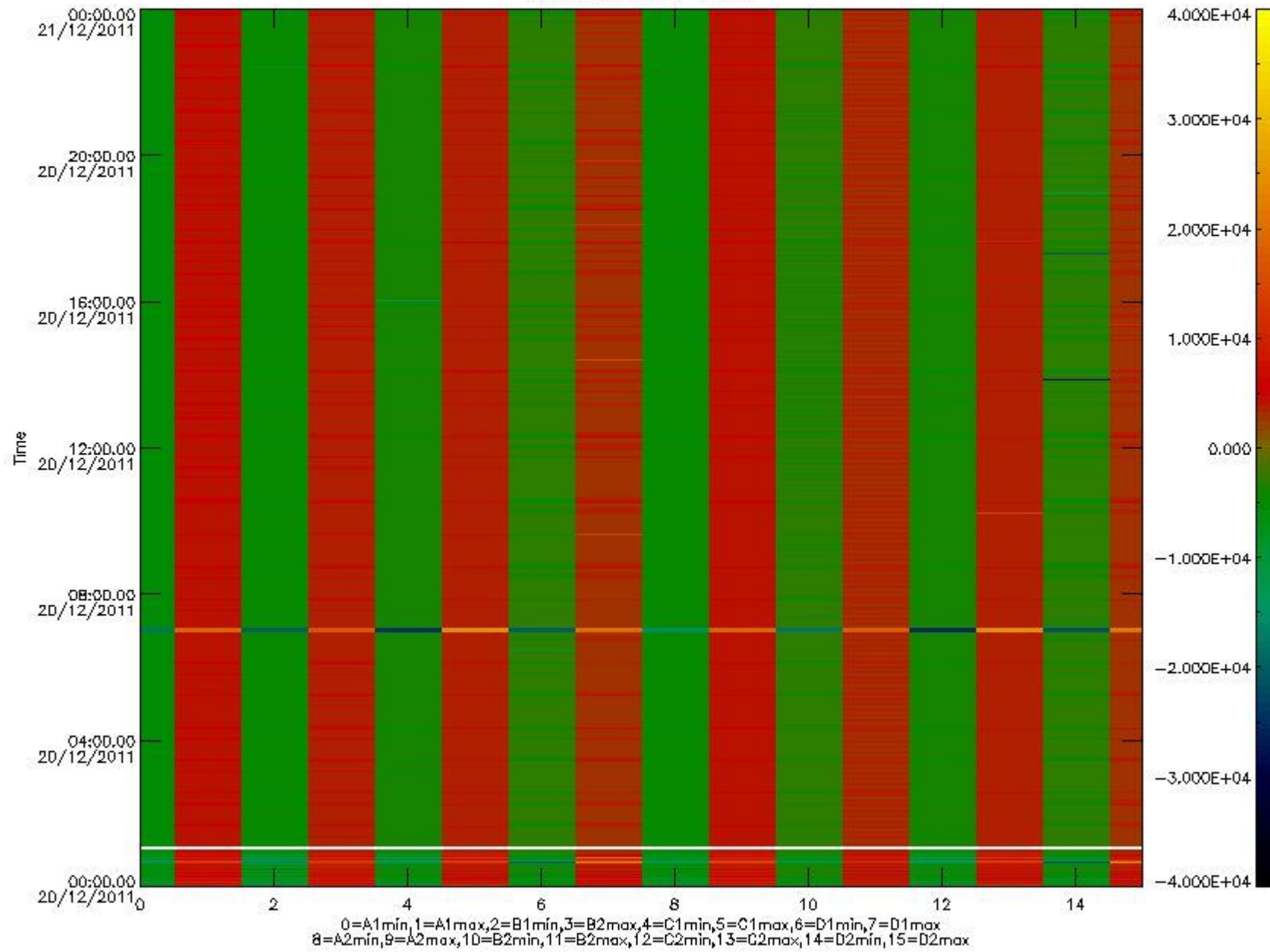
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111220\_10.PNG

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

Channel	Min	Max	ADC
A1	-18068	19111	16bit
B1	-20344	17504	16bit
C1	-24599	24514	16bit
D1	-26177	32767	16bit
A2	-15687	19333	16bit
B2	-18188	17860	16bit
C2	-25604	25202	16bit
D2	-32768	31890	16bit



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



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111220\_11.PNG

### 0.3 ADF monitoring

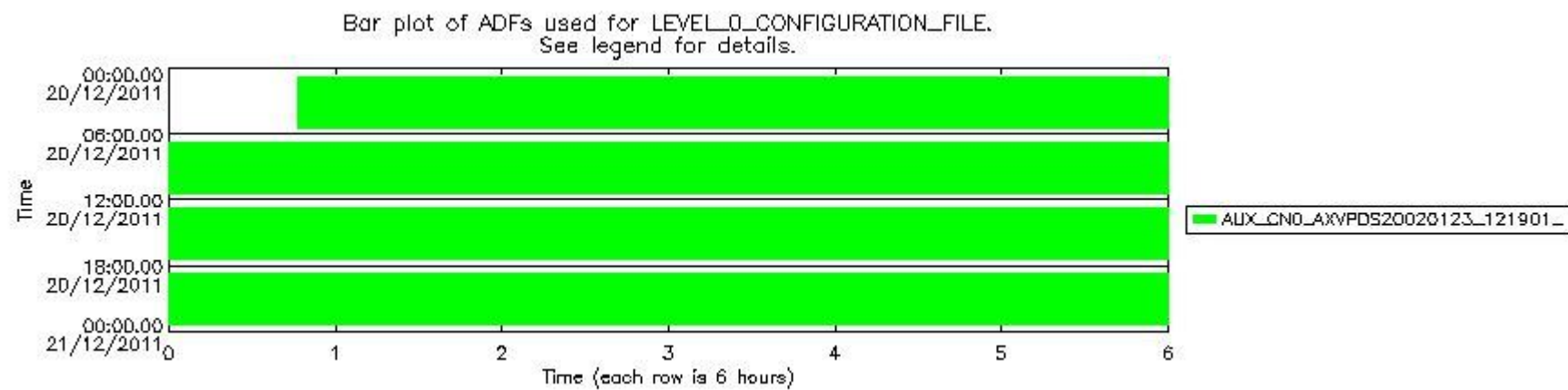
The use of ADFs is shown in two ways:

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.

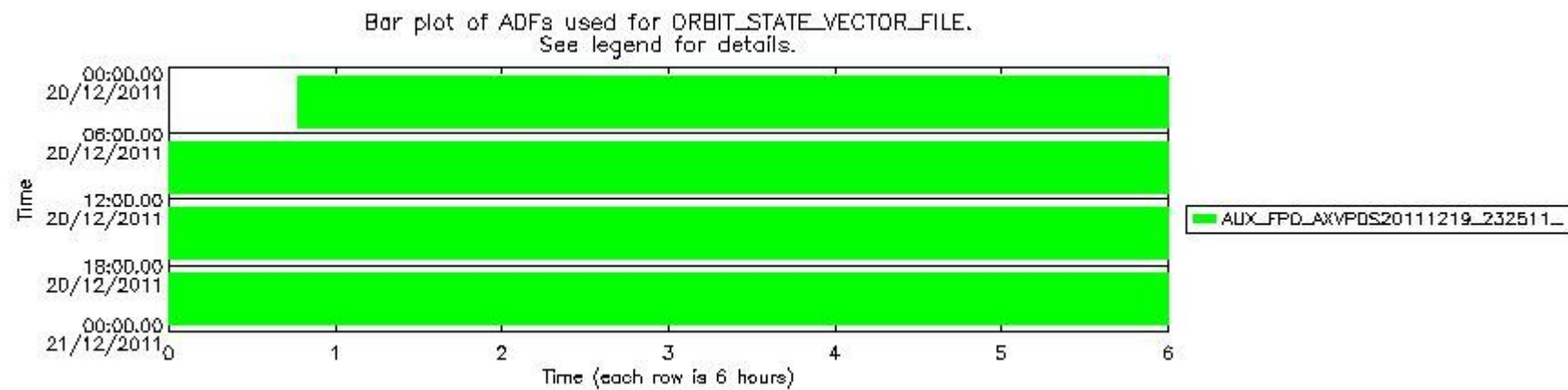
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111219_232511_20111219_195725_20111229_203052

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20111220_004612_000058483109_00404_51280_5173.N1	0	1

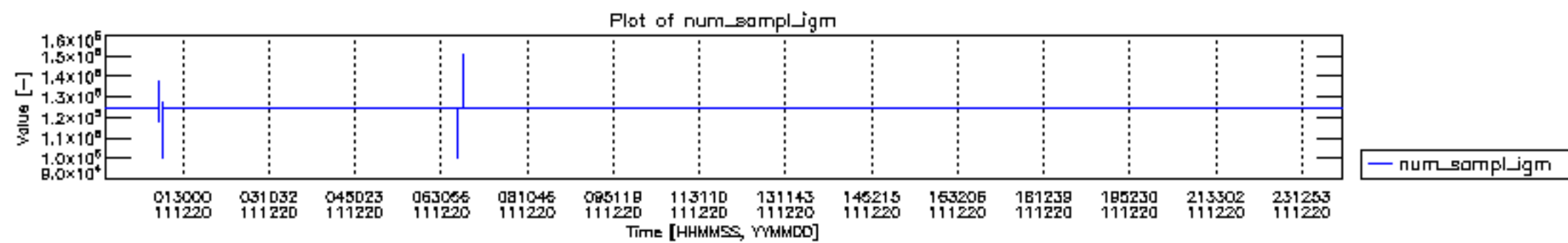
1	MIP_NL__0PNPDE20111220_022242_000045213109_00405_51281_5174.N1	0	1
2	MIP_NL__0PNPDE20111220_033729_000061613109_00406_51282_5175.N1	0	1
3	MIP_NL__0PNPDE20111220_051936_000060373109_00407_51283_5176.N1	0	1
4	MIP_NL__0PNPDK20111220_065938_000041033109_00408_51284_7841.N1	0	1
5	MIP_NL__0PNPDK20111220_080702_000060103109_00409_51285_7842.N1	0	1
6	MIP_NL__0PNPDK20111220_094534_000059753109_00410_51286_7843.N1	0	1
7	MIP_NL__0PNPDK20111220_112337_000061863109_00411_51287_7844.N1	0	1
8	MIP_NL__0PNPDK20111220_130542_000059183109_00412_51288_7845.N1	0	1
9	MIP_NL__0PNPDK20111220_144328_000059163109_00413_51289_7846.N1	0	1
10	MIP_NL__0PNPDK20111220_162013_000059733109_00414_51290_7851.N1	0	1
11	MIP_NL__0PNPDK20111220_175843_000059933109_00415_51291_7852.N1	0	1
12	MIP_NL__0PNPDK20111220_193621_000060443109_00416_51292_7853.N1	0	1
13	MIP_NL__0PNPDE20111220_211528_000044453109_00417_51293_0450.N1	0	1
14	MIP_NL__0PNPDE20111220_222835_000061193109_00417_51293_5178.N1	0	1

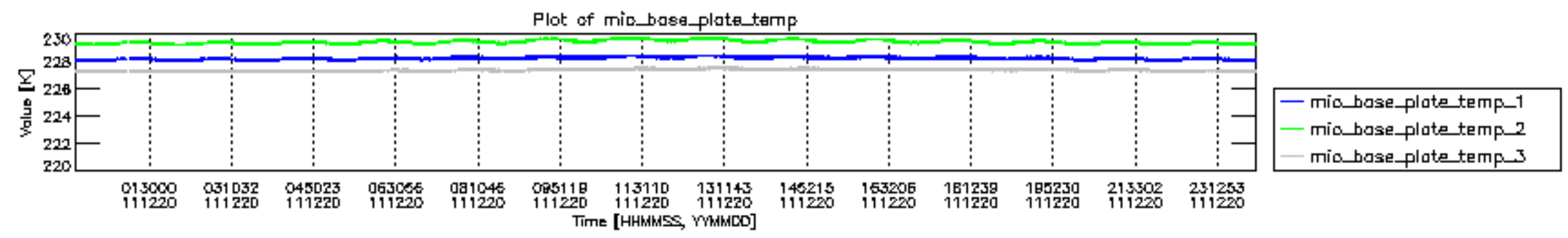


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111220\_12.PNG

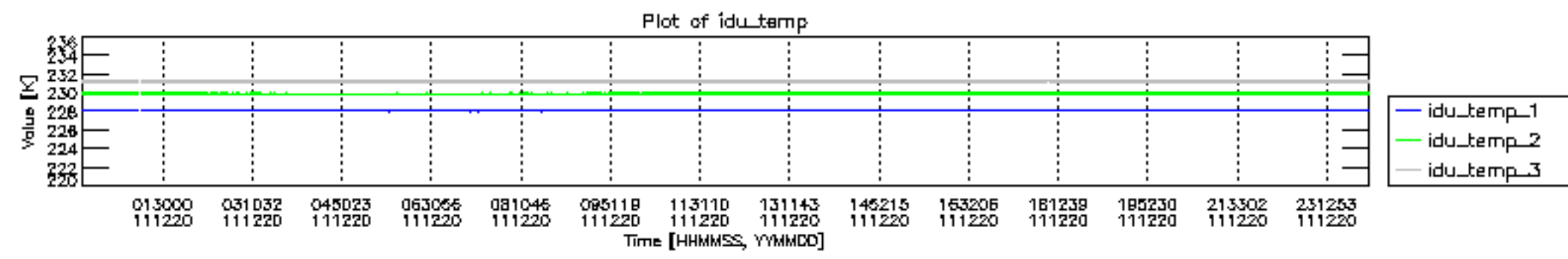


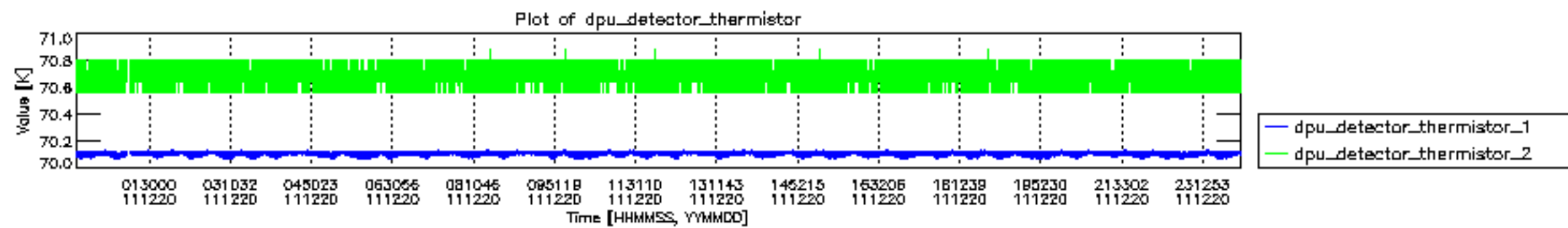
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111220\_13.PNG

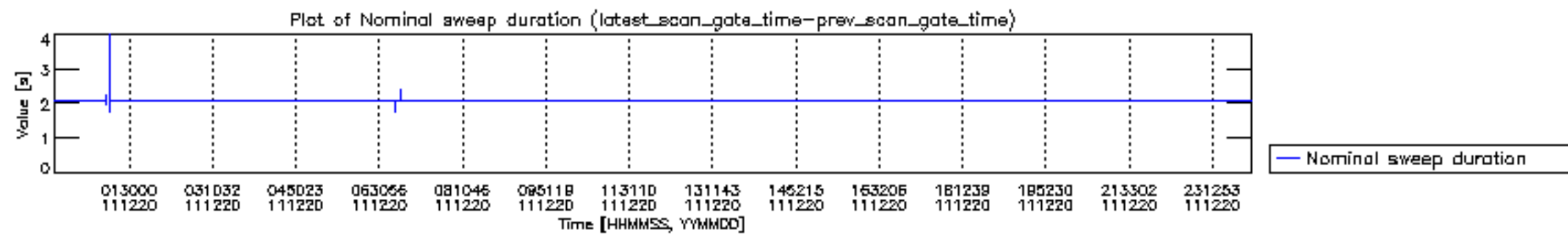


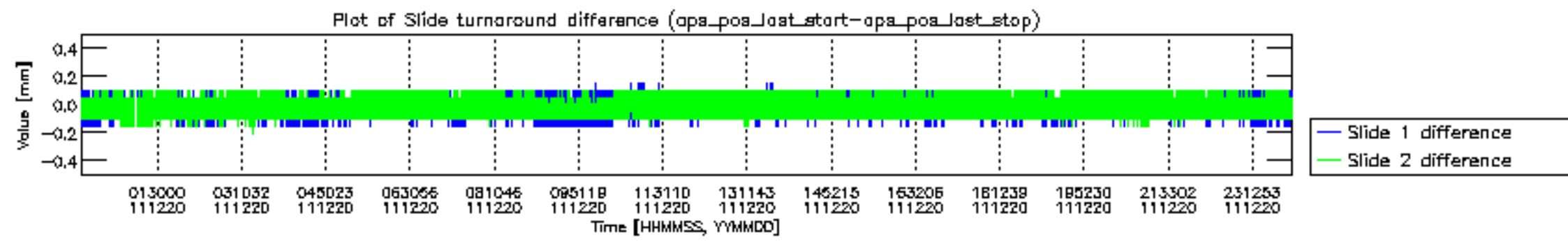


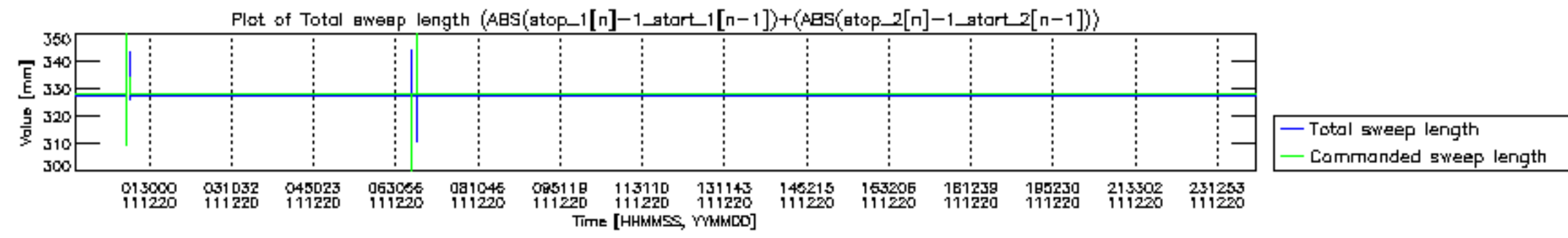




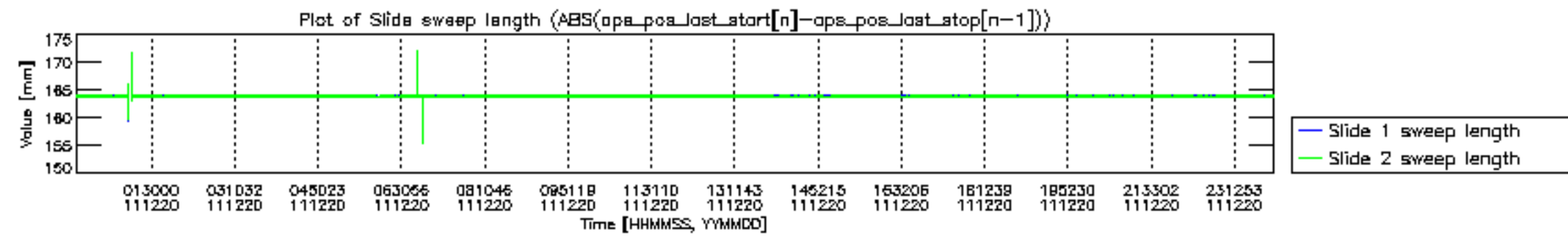


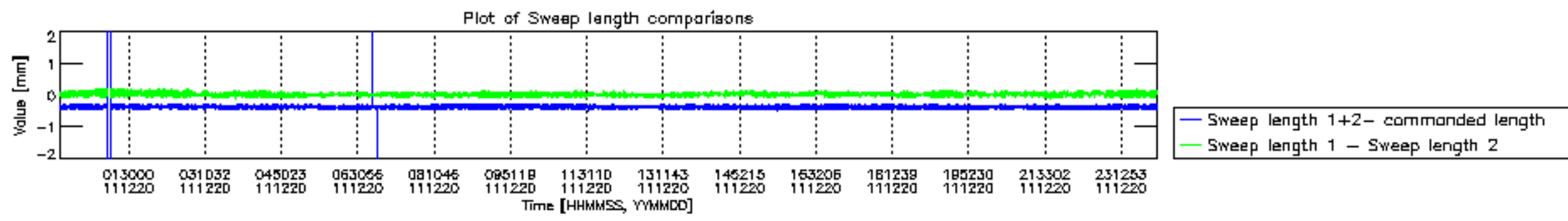


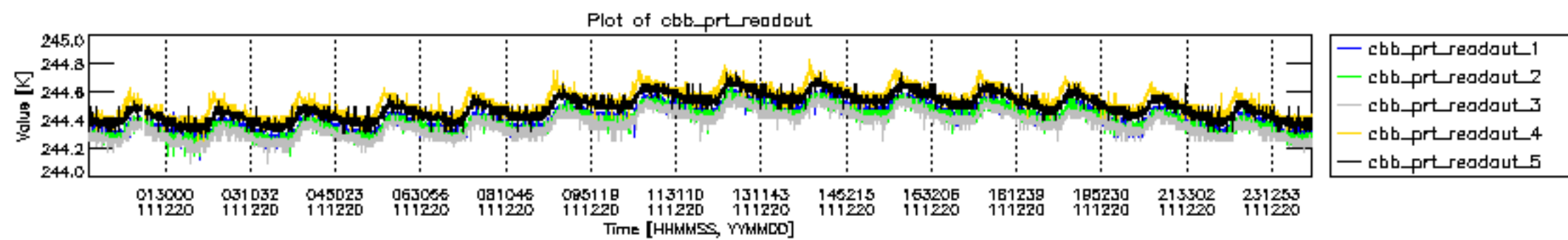


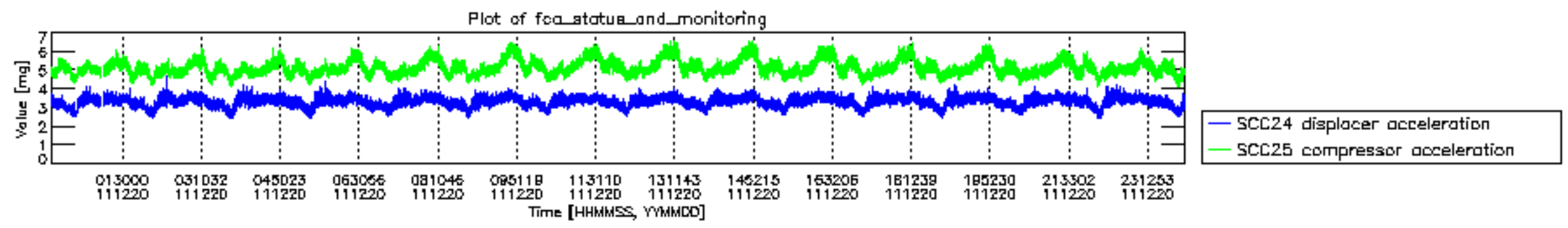












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

