

## 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	14JAN2011 05:26:34
Data source version	KSPT_L0/4504-N
Processing scope for products	09JAN2011 00:00:00 to 10JAN2011 00:00:00
Start time of first product within scope	09JAN2011 00:28:02
Stop time of last product within scope	10JAN2011 00:57:08
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__0PNPDE20110109_002802_000037543098_00189_46324_2681.N1	09JAN2011 00:28:02	09JAN2011 01:30:36	0	0	0	0	0
1	MIP_NL__0PNPDE20110109_012939_000044043098_00189_46324_2679.N1	09JAN2011 01:29:39	09JAN2011 02:43:03	0	0	0	0	0
2	MIP_NL__0PNPDE20110109_024229_000061843098_00190_46325_2680.N1	09JAN2011 02:42:29	09JAN2011 04:25:33	0	0	0	0	0
3	MIP_NL__0PNPDE20110109_042500_000060103098_00191_46326_2682.N1	09JAN2011 04:25:00	09JAN2011 06:05:10	0	0	0	0	0
4	MIP_NL__0PNPDK20110109_060438_000040553098_00192_46327_3932.N1	09JAN2011 06:04:38	09JAN2011 07:12:13	0	0	0	0	0
5	MIP_NL__0PNPDK20110109_071115_000061183098_00193_46328_3933.N1	09JAN2011 07:11:15	09JAN2011 08:53:13	0	0	0	0	0
6	MIP_NL__0PNPDK20110109_085130_000059963098_00194_46329_3934.N1	09JAN2011 08:51:30	09JAN2011 10:31:26	0	0	0	0	0
7	MIP_NL__0PNPDK20110109_103007_000060693098_00195_46330_3935.N1	09JAN2011 10:30:07	09JAN2011 12:11:15	0	0	0	0	0
8	MIP_NL__0PNPDK20110109_121015_000059683098_00196_46331_3936.N1	09JAN2011 12:10:15	09JAN2011 13:49:43	0	0	0	0	0
9	MIP_NL__0PNPDK20110109_134847_000060503098_00197_46332_3937.N1	09JAN2011 13:48:47	09JAN2011 15:29:37	0	0	0	0	0
10	MIP_NL__0PNPDK20110109_152842_000058223098_00198_46333_3938.N1	09JAN2011 15:28:42	09JAN2011 17:05:44	0	0	0	0	0
11	MIP_NL__0PNPDK20110109_170431_000060043098_00199_46334_3939.N1	09JAN2011 17:04:31	09JAN2011 18:44:35	0	0	0	0	0
12	MIP_NL__0PNPDK20110109_184242_000058663098_00200_46335_3940.N1	09JAN2011 18:42:42	09JAN2011 20:20:28	0	0	0	0	0
13	MIP_NL__0PNPDE20110109_201913_000044353098_00201_46336_2683.N1	09JAN2011 20:19:13	09JAN2011 21:33:08	0	0	0	0	0
14	MIP_NL__0PNPDE20110109_213128_000063113098_00201_46336_2684.N1	09JAN2011 21:31:28	09JAN2011 23:16:39	0	0	0	0	0
15	MIP_NL__0PNPDE20110109_231530_000060983098_00202_46337_2685.N1	09JAN2011 23:15:30	10JAN2011 00:57:08	0	0	0	0	0

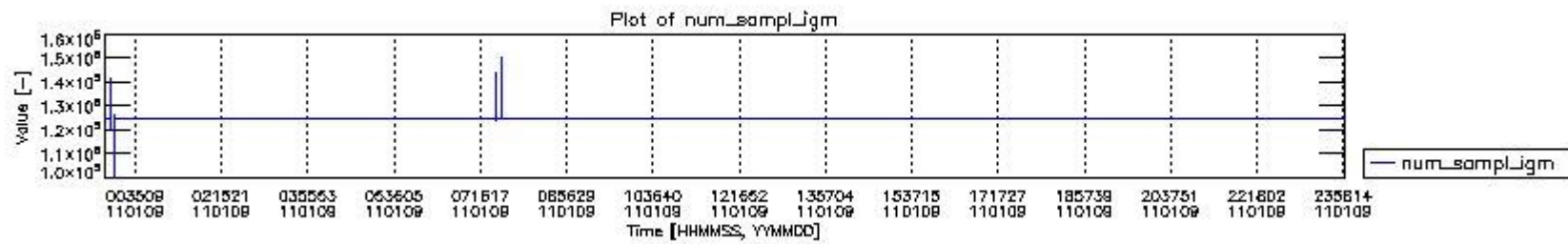
## 0.2 Instrument Operational Performance Parameters

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.

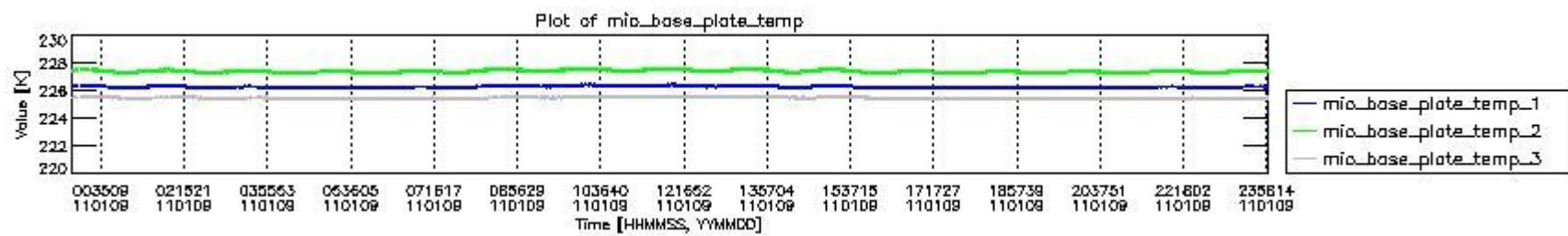
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100334	1	0.0024083038
121137	1	0.0024083038

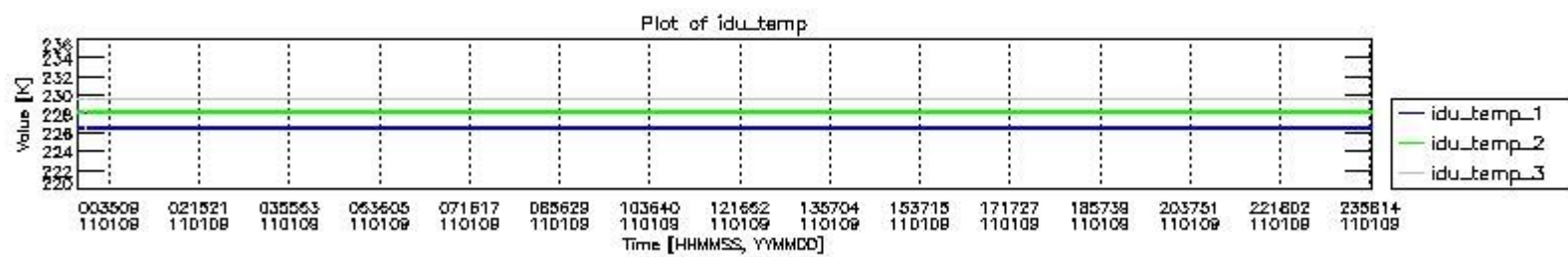
123962	1	0.0024083038
124800	38359	92.380127
124803	3152	7.5909737
125586	1	0.0024083038
126372	1	0.0024083038
127679	1	0.0024083038
137606	1	0.0024083038
141269	1	0.0024083038
143256	1	0.0024083038
144094	1	0.0024083038
147811	1	0.0024083038
150690	1	0.0024083038



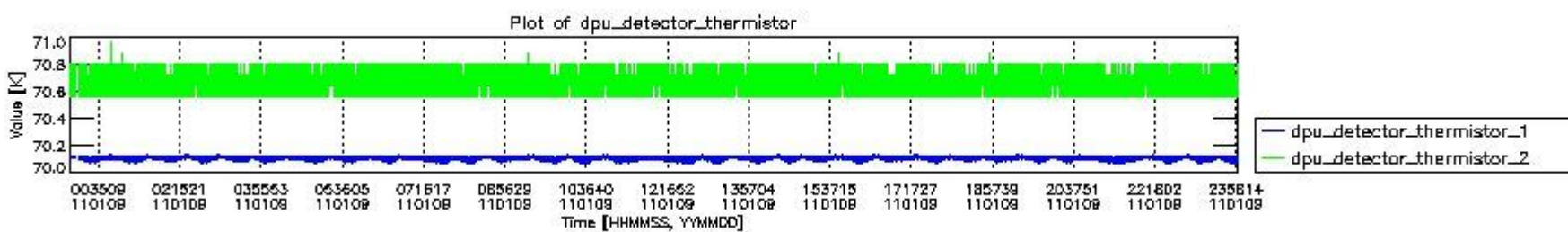
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110109\_0.PNG



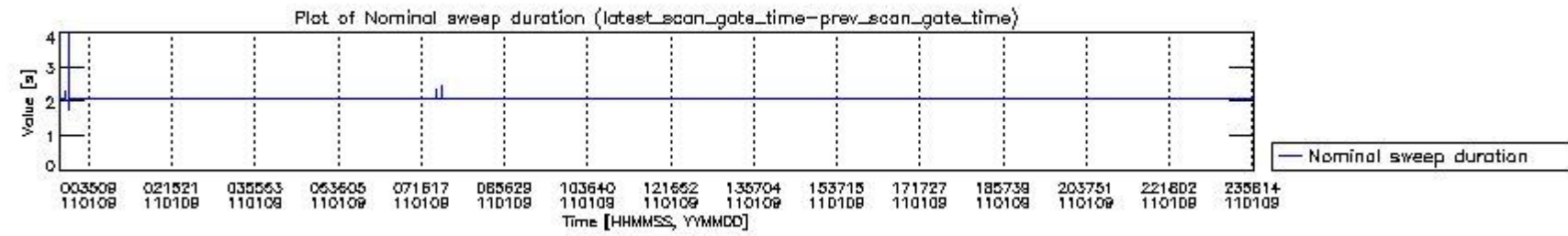
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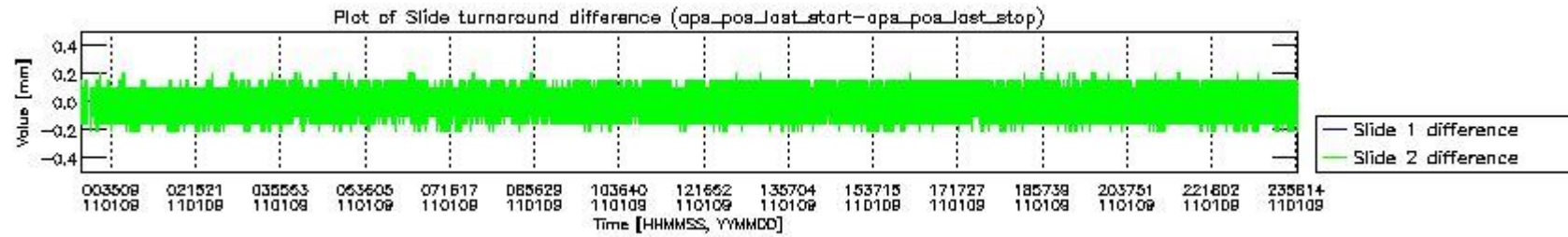
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110109\_2.PNG



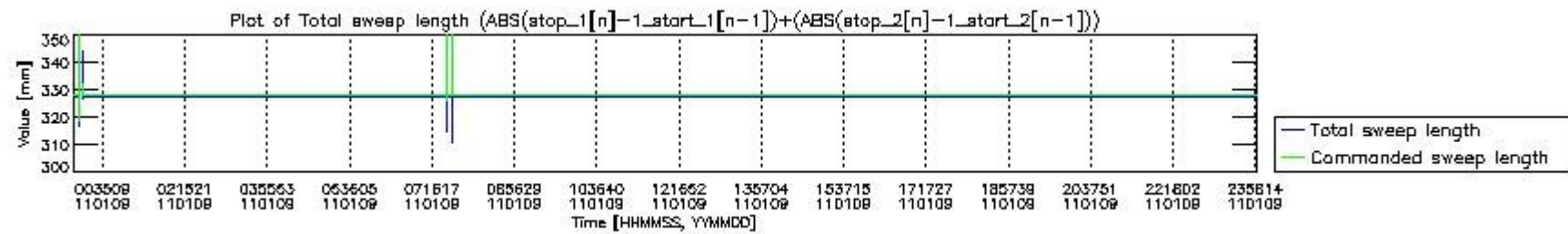
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110109\_3.PNG



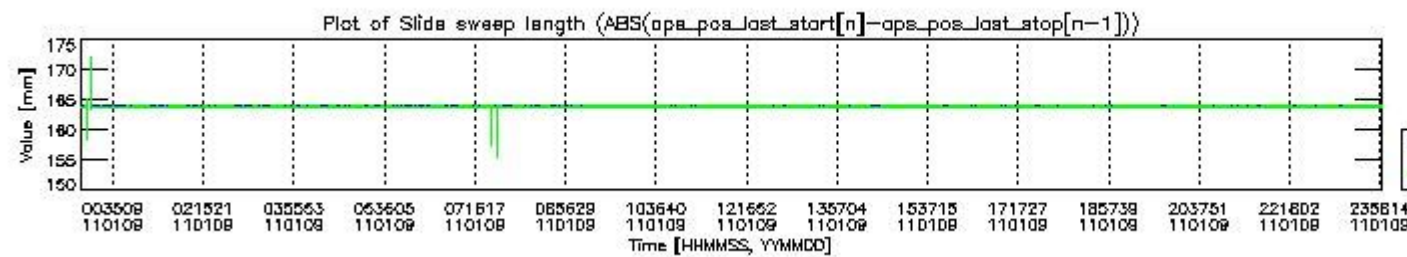
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110109\_4.PNG



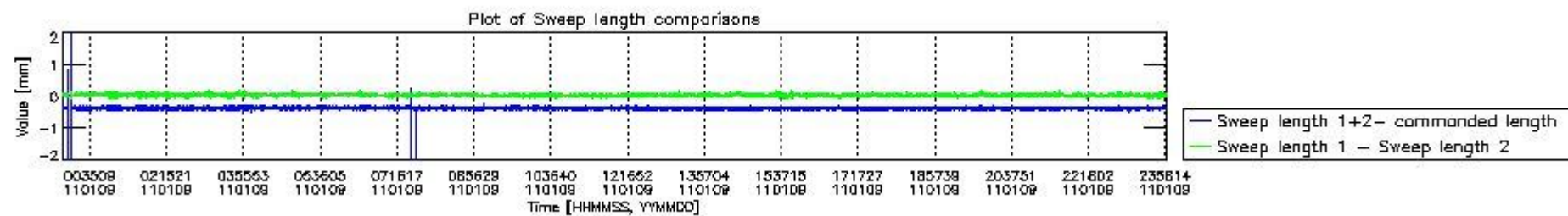
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110109\_5.PNG



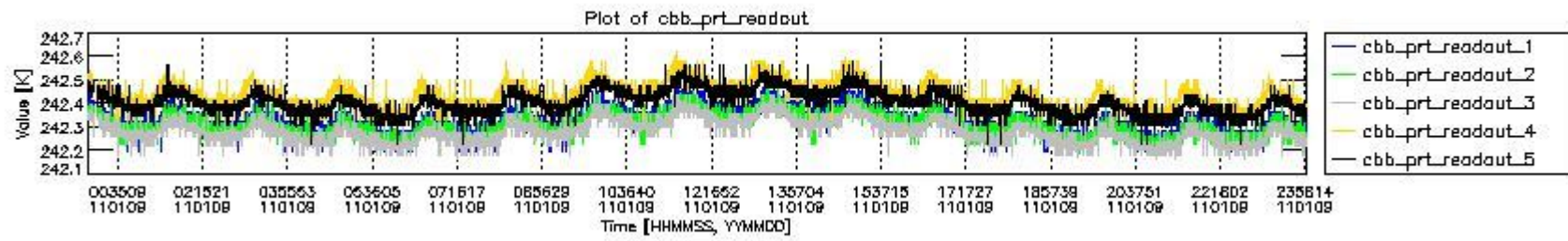
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110109\_6.PNG



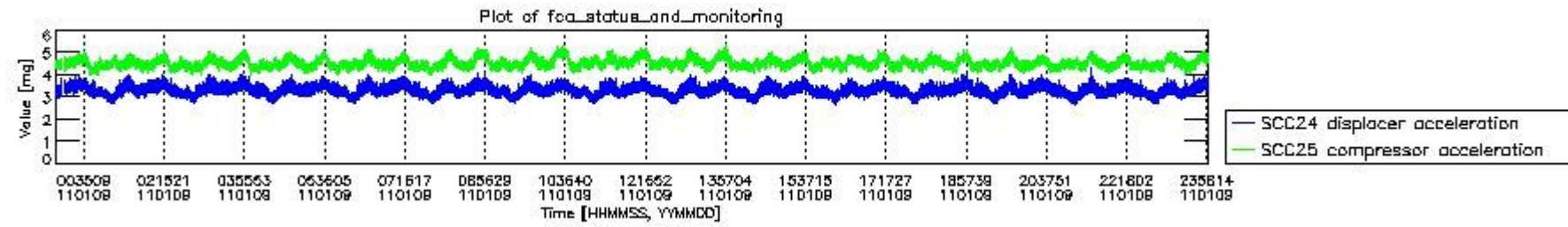
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110109\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110109\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110109\_9.PNG



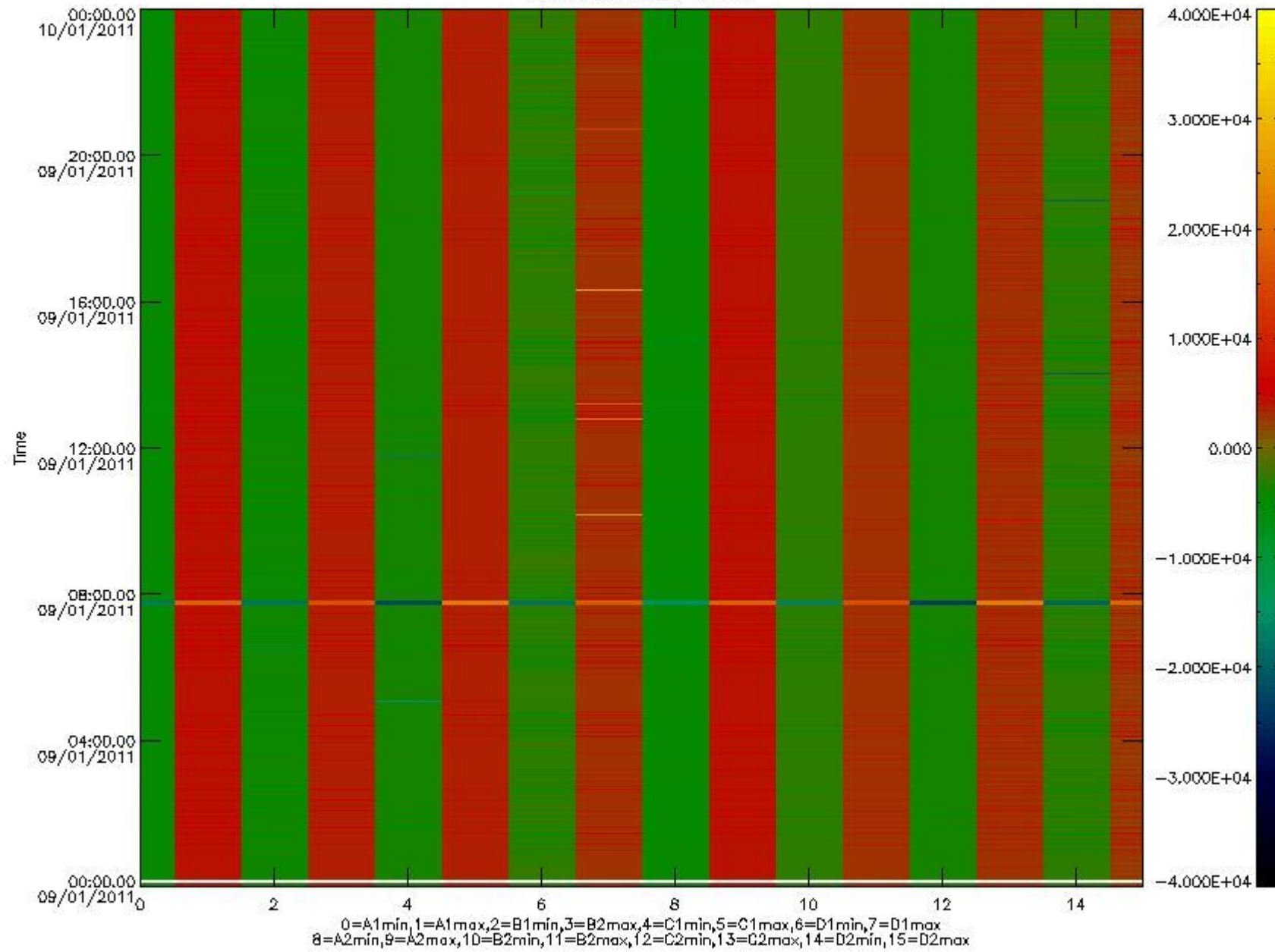
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110109\_10.PNG

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

Channel	Min	Max	ADC
A1	-17783	18849	16bit
B1	-19229	16682	16bit
C1	-24552	22536	16bit
D1	-18694	32767	16bit
A2	-15386	18943	16bit
B2	-17336	17026	16bit
C2	-23662	23199	16bit
D2	-32768	20355	16bit



MIPNLOP\_MIPSOUPAC\_aux\_fields\_1gm\_cal, channel statistics plot  
Colour indicates value.



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110109\_11.PNG

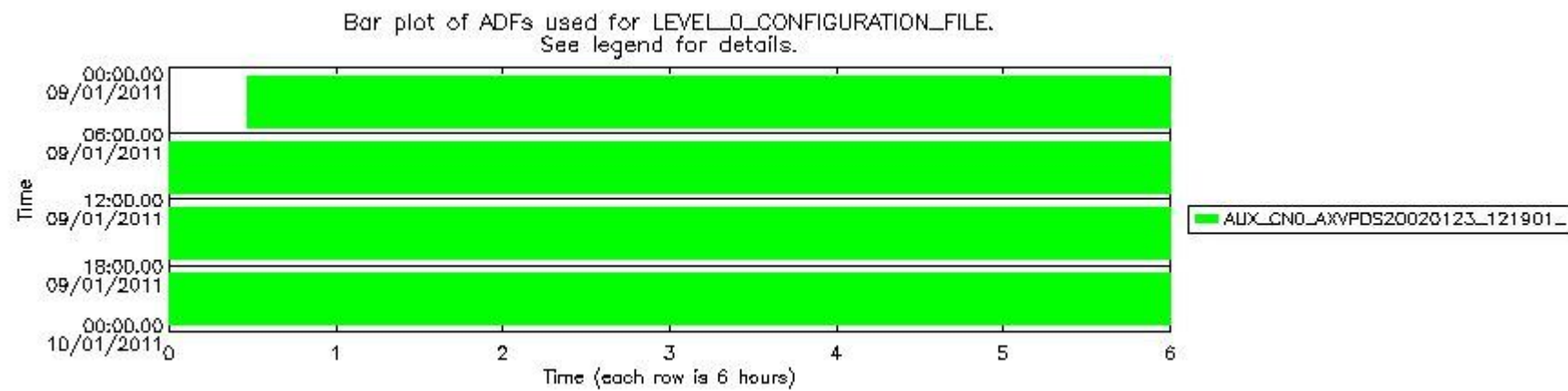
### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

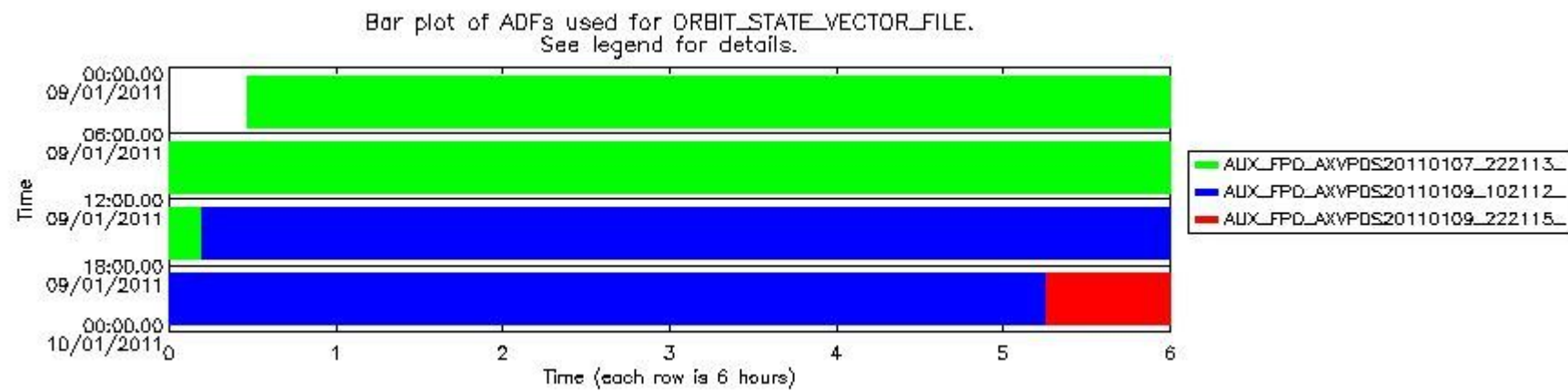
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110107_222113_20110107_193912_20110117_201250
2	AUX_FPO_AXVPDS20110109_102112_20110108_190229_20110118_211620
3	AUX_FPO_AXVPDS20110109_222115_20110109_182545_20110119_203937

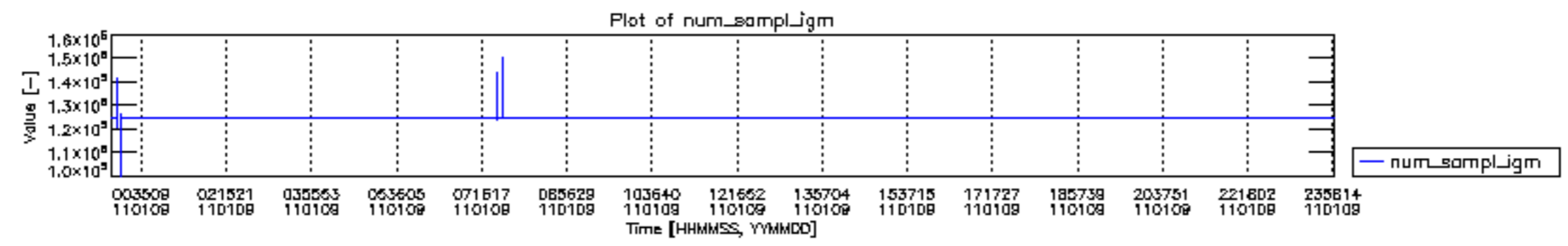
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110109_002802_000037543098_00189_46324_2681.N1	0	1
1	MIP_NL__0PNPDE20110109_012939_000044043098_00189_46324_2679.N1	0	1
2	MIP_NL__0PNPDE20110109_024229_000061843098_00190_46325_2680.N1	0	1
3	MIP_NL__0PNPDE20110109_042500_000060103098_00191_46326_2682.N1	0	1
4	MIP_NL__0PNPDK20110109_060438_000040553098_00192_46327_3932.N1	0	1
5	MIP_NL__0PNPDK20110109_071115_000061183098_00193_46328_3933.N1	0	1
6	MIP_NL__0PNPDK20110109_085130_000059963098_00194_46329_3934.N1	0	1
7	MIP_NL__0PNPDK20110109_103007_000060693098_00195_46330_3935.N1	0	1
8	MIP_NL__0PNPDK20110109_121015_000059683098_00196_46331_3936.N1	0	2
9	MIP_NL__0PNPDK20110109_134847_000060503098_00197_46332_3937.N1	0	2
10	MIP_NL__0PNPDK20110109_152842_000058223098_00198_46333_3938.N1	0	2
11	MIP_NL__0PNPDK20110109_170431_000060043098_00199_46334_3939.N1	0	2
12	MIP_NL__0PNPDK20110109_184242_000058663098_00200_46335_3940.N1	0	2
13	MIP_NL__0PNPDE20110109_201913_000044353098_00201_46336_2683.N1	0	2
14	MIP_NL__0PNPDE20110109_213128_000063113098_00201_46336_2684.N1	0	2
15	MIP_NL__0PNPDE20110109_231530_000060983098_00202_46337_2685.N1	0	3

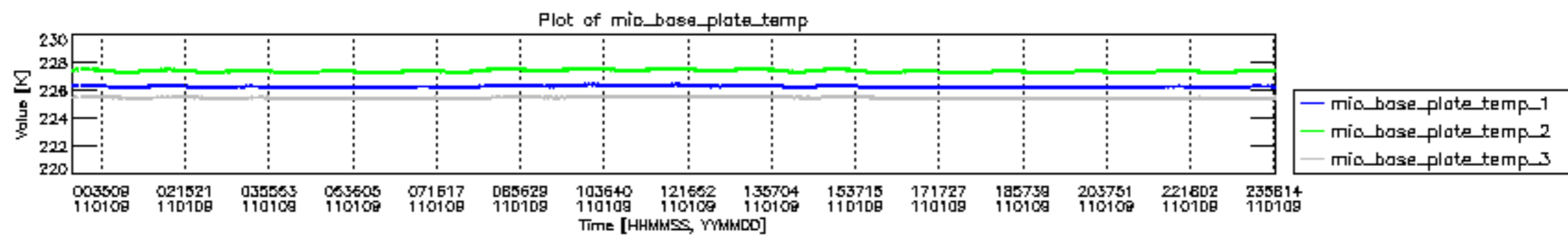


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110109\_12.PNG

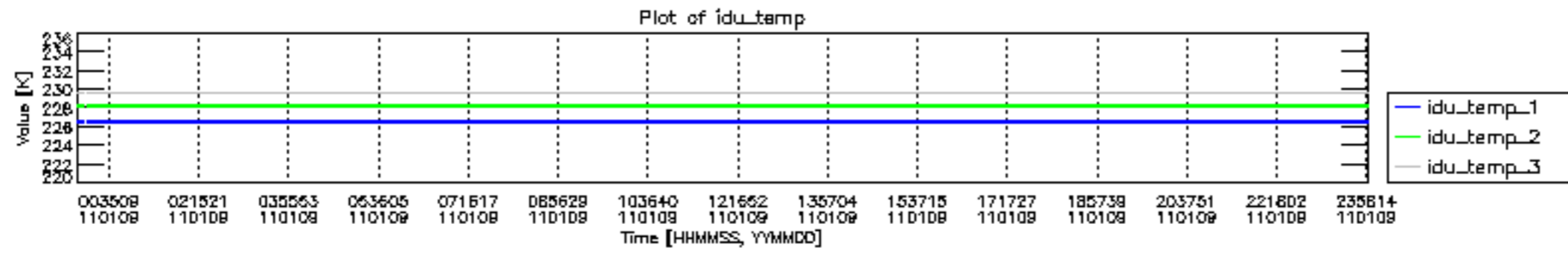


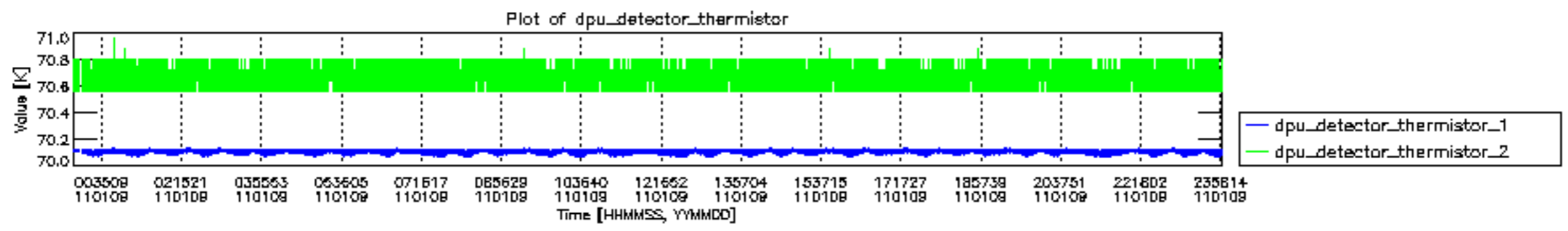
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110109\_13.PNG

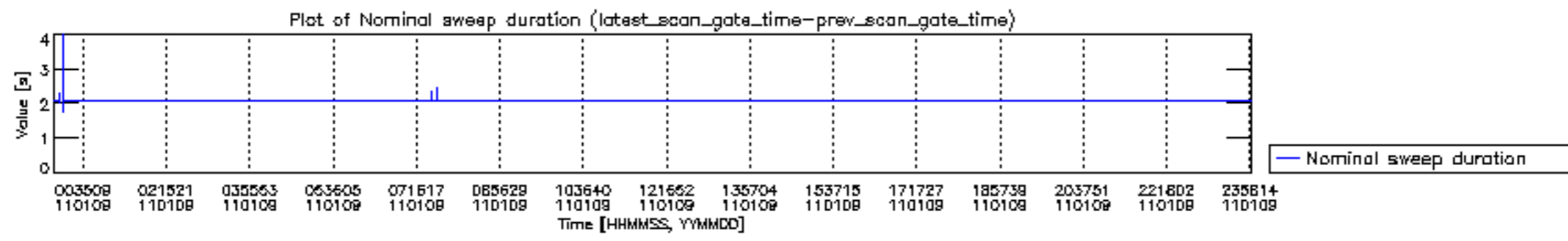


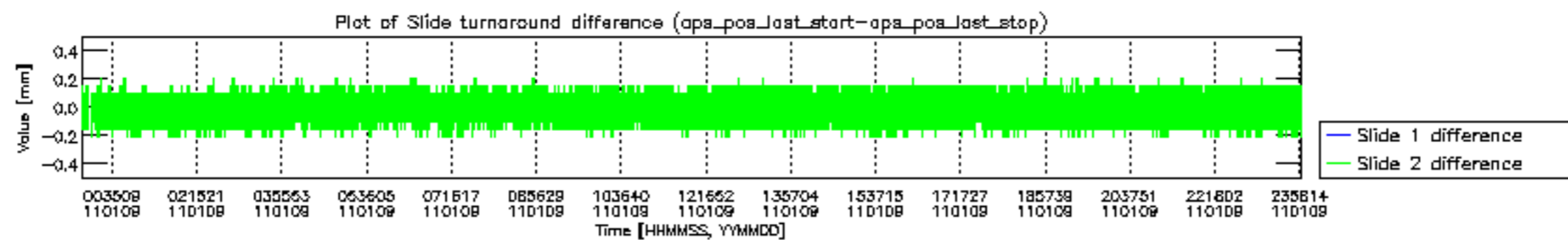


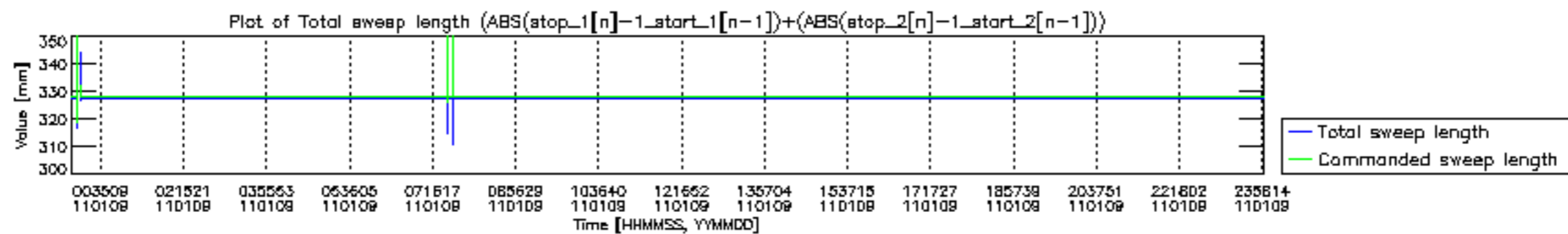




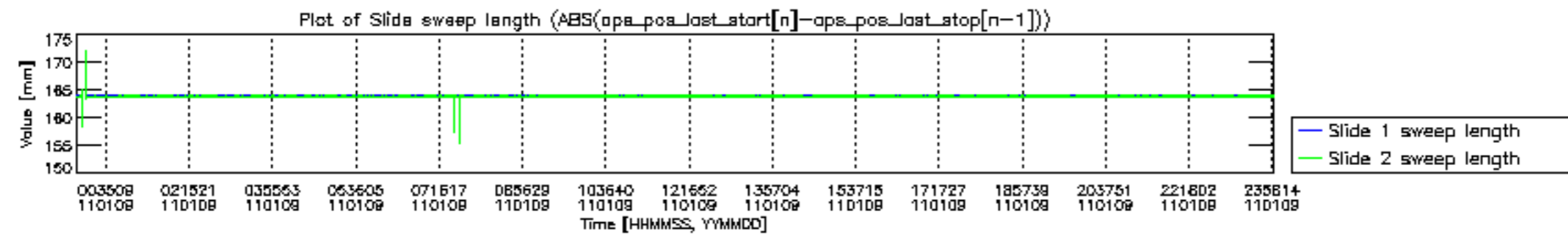


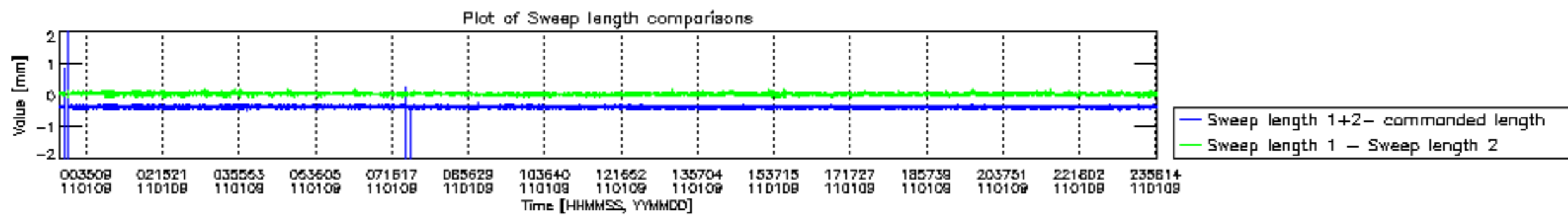


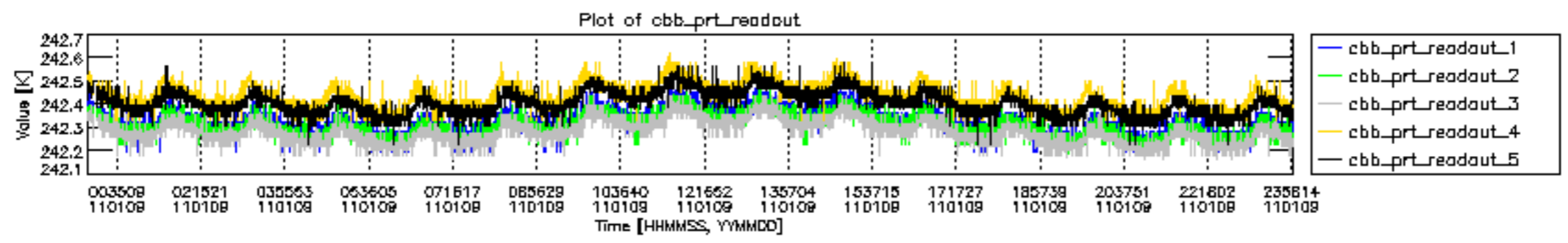


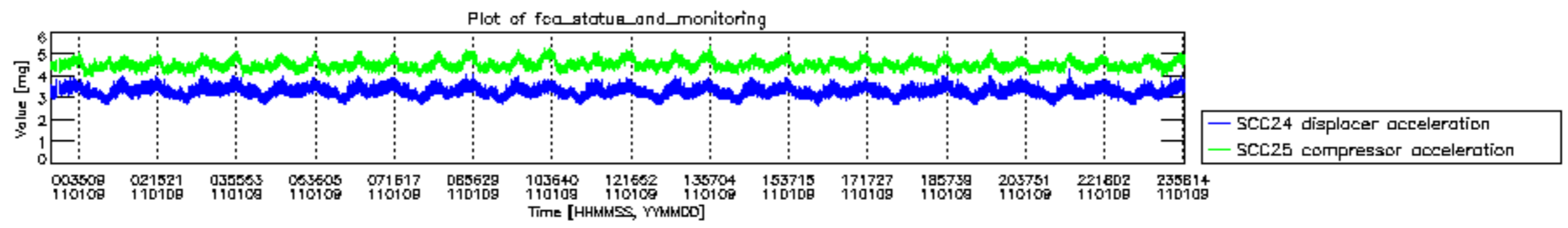












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

