

## 0. MIPAS Daily Report for level 0 products

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### [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	23FEB2011 05:23:35
Data source version	KSPT_L0/4504-N
Processing scope for products	18FEB2011 00:00:00 to 19FEB2011 00:00:00
Start time of first product within scope	18FEB2011 00:25:50
Stop time of last product within scope	19FEB2011 01:28:39
Total number of level 0 products	18
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__OPNPDE20110218_002550_000058573099_00332_46898_2941.N1	18FEB2011 00:25:50	18FEB2011 02:03:27	0	0	0	0	0
1	MIP_NL__OPNPDE20110218_020218_000045483099_00333_46899_2942.N1	18FEB2011 02:02:18	18FEB2011 03:18:06	0	0	0	0	0
2	MIP_NL__OPNPDE20110218_031732_000061463099_00334_46900_2943.N1	18FEB2011 03:17:32	18FEB2011 04:59:59	0	0	0	0	0
3	MIP_NL__OPNPDE20110218_045925_000060423099_00335_46901_2944.N1	18FEB2011 04:59:25	18FEB2011 06:40:08	0	0	0	0	0
4	MIP_NL__OPNPDE20110218_054559_000002133099_00336_46902_2946.N1	18FEB2011 05:45:59	18FEB2011 05:49:32	0	0	0	0	0
5	MIP_NL__OPNPDE20110218_055050_000029583099_00336_46902_2945.N1	18FEB2011 05:50:50	18FEB2011 06:40:08	0	0	0	0	0
6	MIP_NL__OPNPDK20110218_063934_000040883099_00336_46902_4332.N1	18FEB2011 06:39:34	18FEB2011 07:47:42	0	0	0	0	0
7	MIP_NL__OPNPDK20110218_074648_000060103099_00337_46903_4333.N1	18FEB2011 07:46:48	18FEB2011 09:26:58	0	0	0	0	0
8	MIP_NL__OPNPDK20110218_092524_000061783099_00338_46904_4334.N1	18FEB2011 09:25:24	18FEB2011 11:08:22	0	0	0	0	0
9	MIP_NL__OPNPDK20110218_110650_000059393099_00339_46905_4335.N1	18FEB2011 11:06:50	18FEB2011 12:45:50	0	0	0	0	0
10	MIP_NL__OPNPDK20110218_124411_000060143099_00340_46906_4336.N1	18FEB2011 12:44:11	18FEB2011 14:24:26	0	0	0	0	0
11	MIP_NL__OPNPDK20110218_142247_000058763099_00341_46907_4337.N1	18FEB2011 14:22:47	18FEB2011 16:00:44	0	0	0	0	0
12	MIP_NL__OPNPDK20110218_155920_000060233099_00342_46908_4338.N1	18FEB2011 15:59:20	18FEB2011 17:39:43	0	0	0	0	0
13	MIP_NL__OPNPDK20110218_173846_000059723099_00343_46909_4339.N1	18FEB2011 17:38:46	18FEB2011 19:18:19	0	0	0	0	0
14	MIP_NL__OPNPDK20110218_191718_000060753099_00344_46910_4340.N1	18FEB2011 19:17:18	18FEB2011 20:58:33	0	0	0	0	0
15	MIP_NL__OPNPDE20110218_205732_000042623099_00345_46911_2947.N1	18FEB2011 20:57:32	18FEB2011 22:08:34	0	0	0	0	0
16	MIP_NL__OPNPDE20110218_220727_000061943099_00345_46911_2948.N1	18FEB2011 22:07:27	18FEB2011 23:50:41	0	0	0	0	0
17	MIP_NL__OPNPDE20110218_234936_000059433099_00346_46912_2949.N1	18FEB2011 23:49:36	19FEB2011 01:28:39	0	0	0	0	0

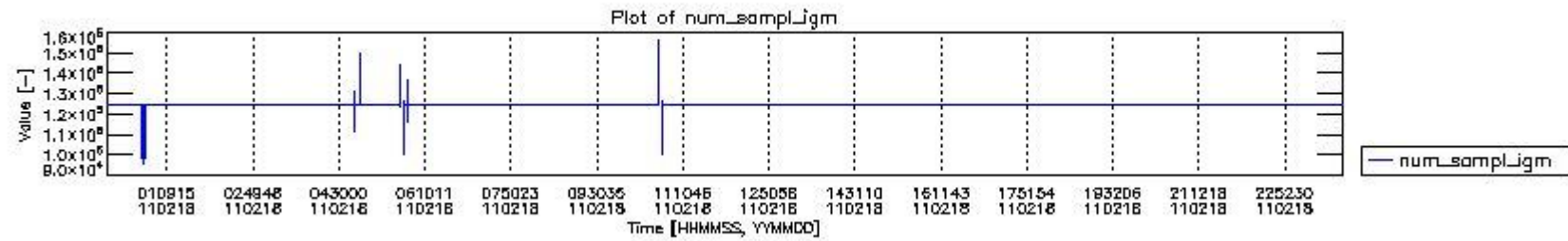
## 0.2 Instrument Operational Performance Parameters

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.

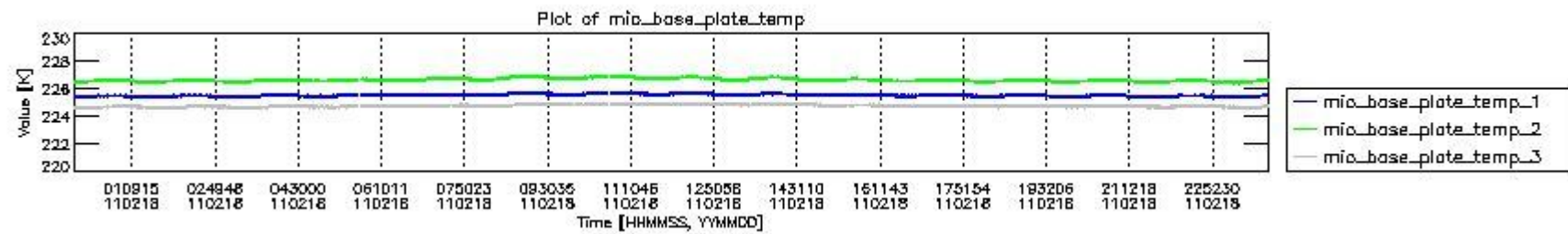
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
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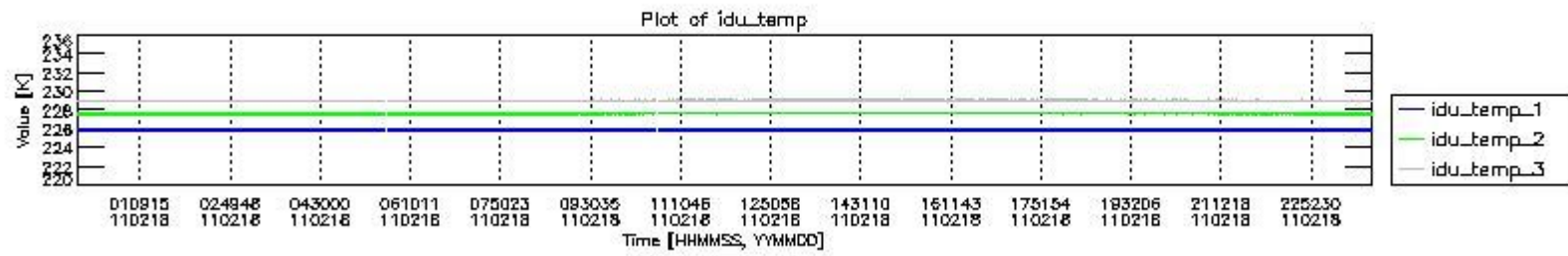
95530	1	0.0024211316
98699	1	0.0024211316
100099	1	0.0024211316
100185	1	0.0024211316
100557	1	0.0024211316
111101	1	0.0024211316
116528	1	0.0024211316
117534	1	0.0024211316
120231	1	0.0024211316
123102	1	0.0024211316
123665	1	0.0024211316
123951	1	0.0024211316
124800	38470	93.140934
124803	2806	6.7936954
125437	1	0.0024211316
125809	1	0.0024211316
126074	1	0.0024211316
126818	1	0.0024211316
127382	1	0.0024211316
128388	1	0.0024211316
130504	1	0.0024211316
131233	1	0.0024211316
136660	1	0.0024211316
142662	1	0.0024211316
143797	1	0.0024211316
147514	1	0.0024211316
150096	1	0.0024211316
150636	1	0.0024211316
156340	1	0.0024211316



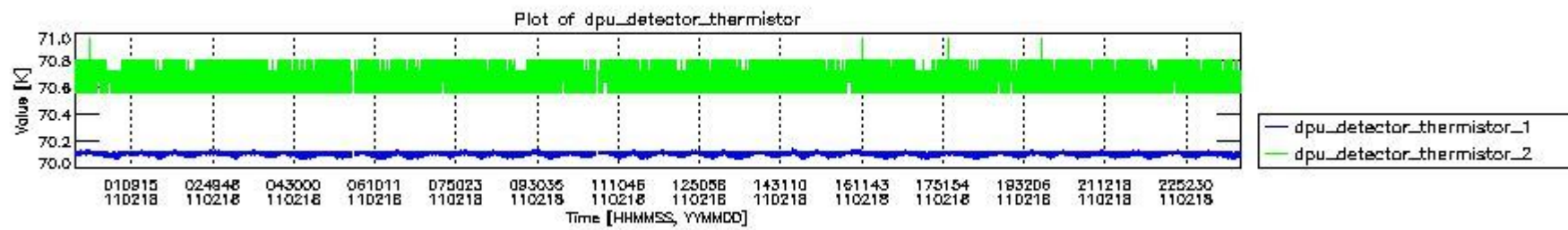
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110218\_0.PNG



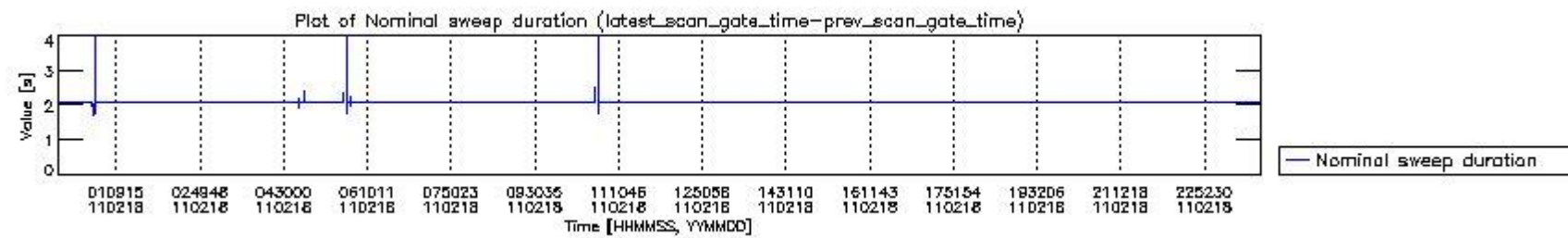
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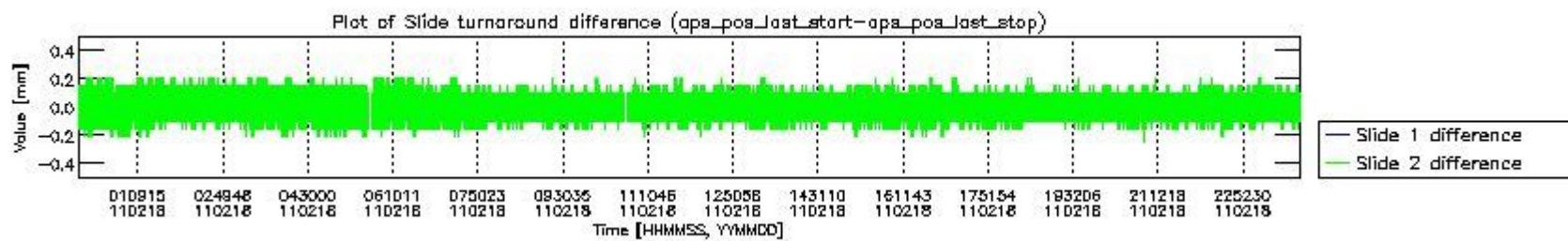
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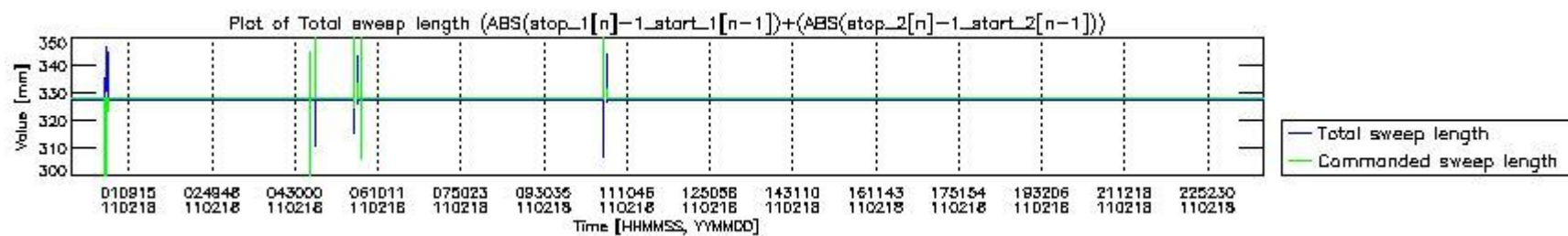
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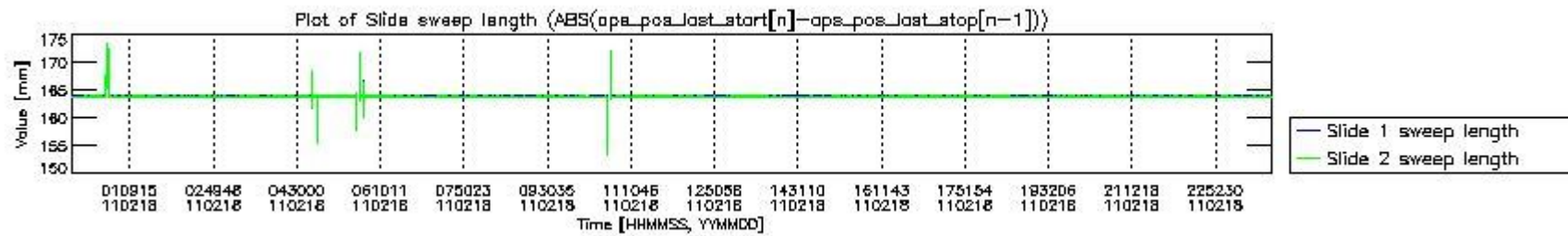
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110218\_4.PNG



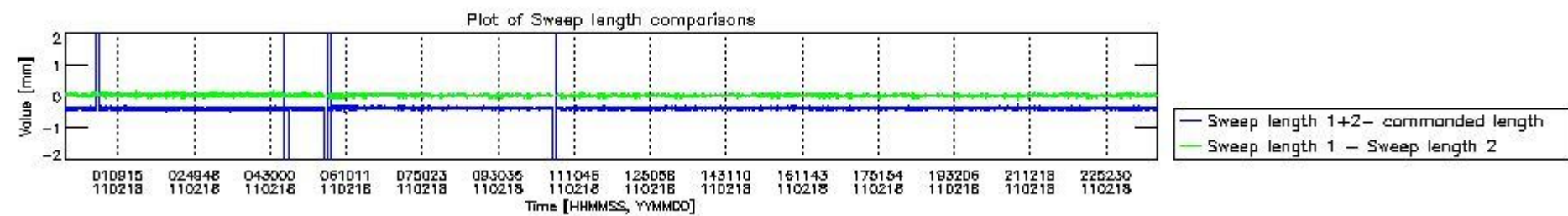
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110218\_5.PNG



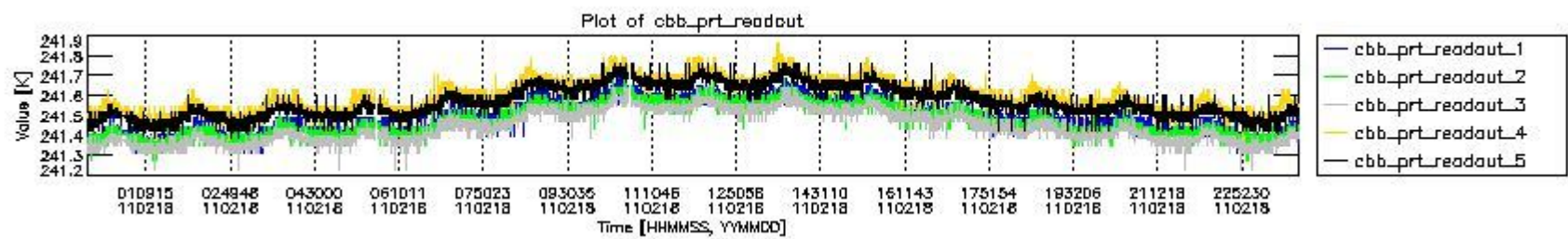
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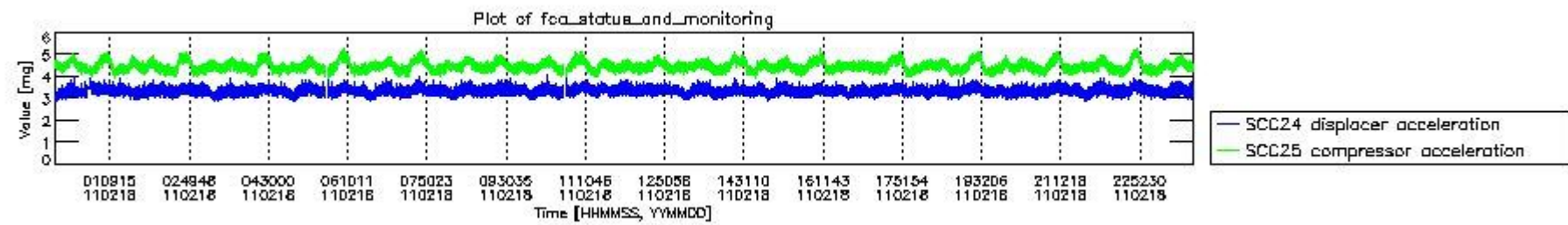
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110218\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110218\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110218\_9.PNG

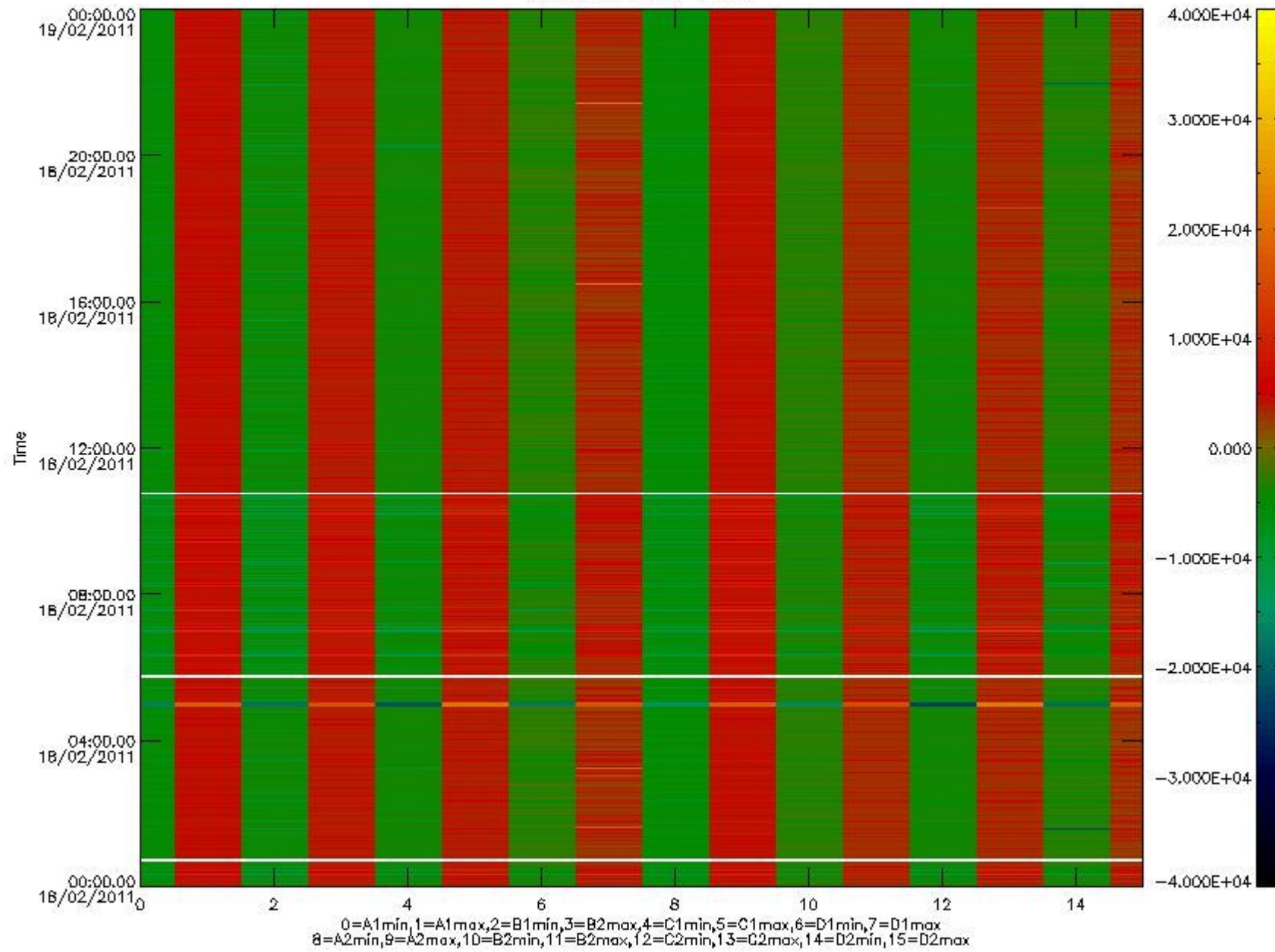


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110218\_10.PNG

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

Channel	Min	Max	ADC
A1	-17421	18403	16bit
B1	-18806	16351	16bit
C1	-25249	21777	16bit
D1	-22853	32767	16bit
A2	-15134	18544	16bit
B2	-16809	16551	16bit
C2	-22783	24366	16bit
D2	-32768	24489	16bit

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



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110218\_11.PNG

### 0.3 ADF monitoring

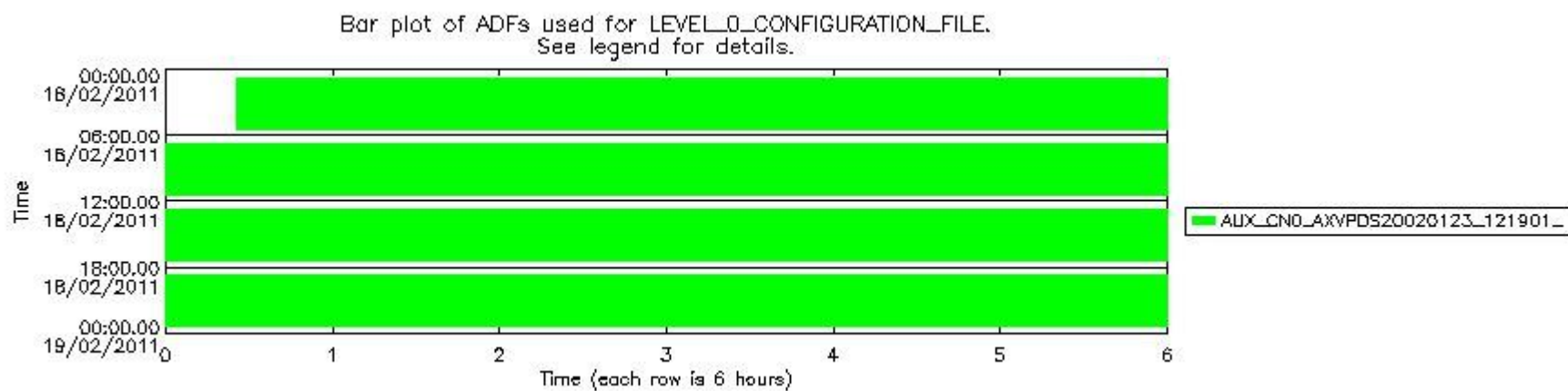
The use of ADFs is shown in two ways:

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.

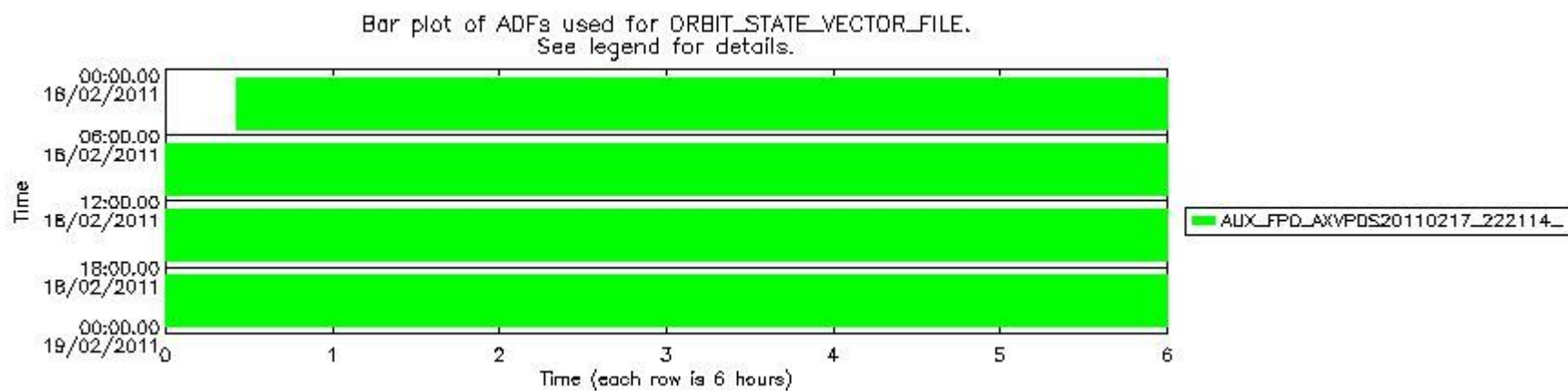
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110217_222114_20110217_193645_20110227_201022

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110218_002550_000058573099_00332_46898_2941.N1	0	1

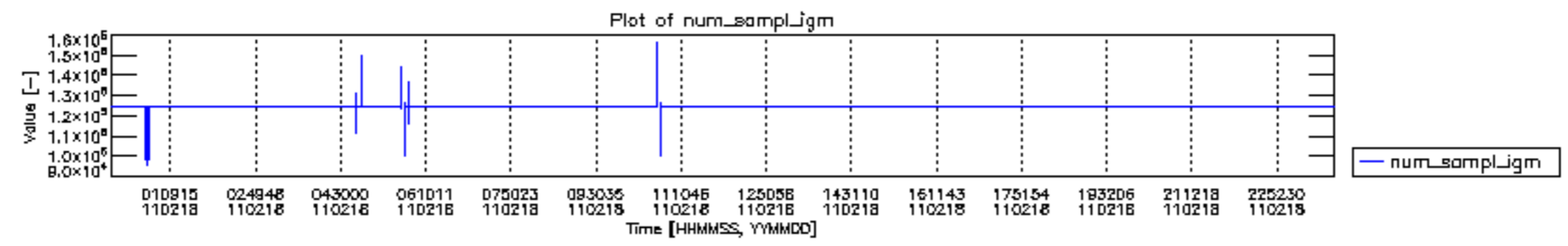
1	MIP_NL__0PNPDE20110218_020218_000045483099_00333_46899_2942.N1	0	1
2	MIP_NL__0PNPDE20110218_031732_000061463099_00334_46900_2943.N1	0	1
3	MIP_NL__0PNPDE20110218_045925_000060423099_00335_46901_2944.N1	0	1
4	MIP_NL__0PNPDE20110218_054559_000002133099_00336_46902_2946.N1	0	1
5	MIP_NL__0PNPDE20110218_055050_000029583099_00336_46902_2945.N1	0	1
6	MIP_NL__0PNPDK20110218_063934_000040883099_00336_46902_4332.N1	0	1
7	MIP_NL__0PNPDK20110218_074648_000060103099_00337_46903_4333.N1	0	1
8	MIP_NL__0PNPDK20110218_092524_000061783099_00338_46904_4334.N1	0	1
9	MIP_NL__0PNPDK20110218_110650_000059393099_00339_46905_4335.N1	0	1
10	MIP_NL__0PNPDK20110218_124411_000060143099_00340_46906_4336.N1	0	1
11	MIP_NL__0PNPDK20110218_142247_000058763099_00341_46907_4337.N1	0	1
12	MIP_NL__0PNPDK20110218_155920_000060233099_00342_46908_4338.N1	0	1
13	MIP_NL__0PNPDK20110218_173846_000059723099_00343_46909_4339.N1	0	1
14	MIP_NL__0PNPDK20110218_191718_000060753099_00344_46910_4340.N1	0	1
15	MIP_NL__0PNPDE20110218_205732_000042623099_00345_46911_2947.N1	0	1
16	MIP_NL__0PNPDE20110218_220727_000061943099_00345_46911_2948.N1	0	1
17	MIP_NL__0PNPDE20110218_234936_000059433099_00346_46912_2949.N1	0	1

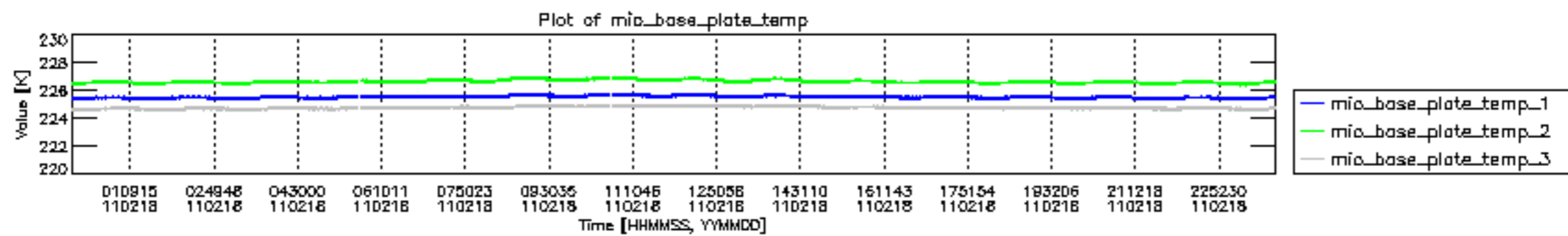


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110218\_12.PNG

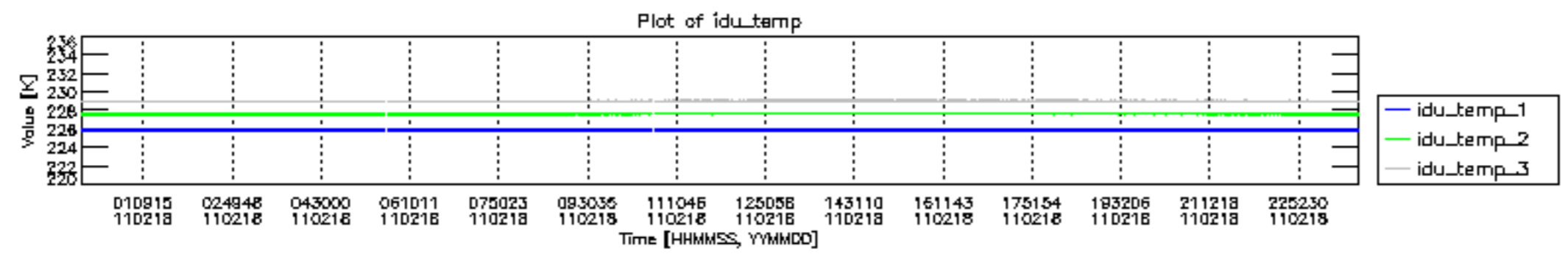


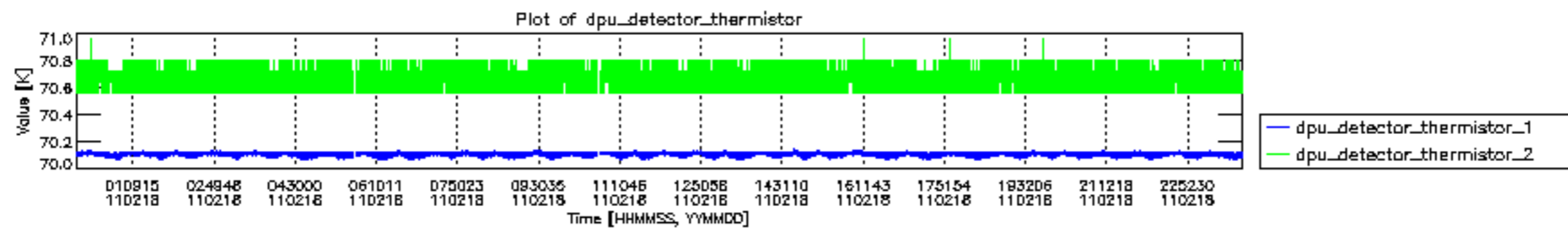
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110218\_13.PNG

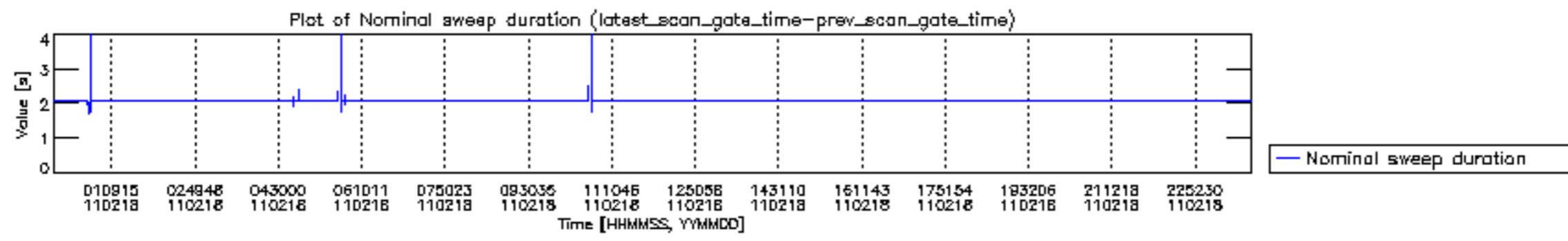


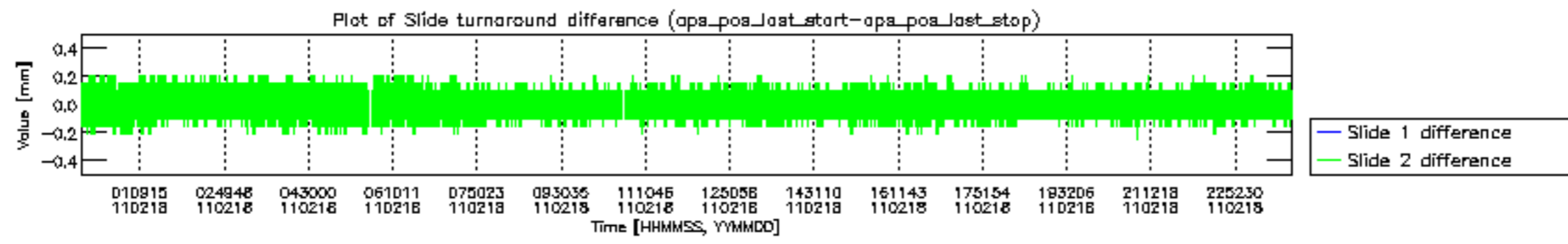


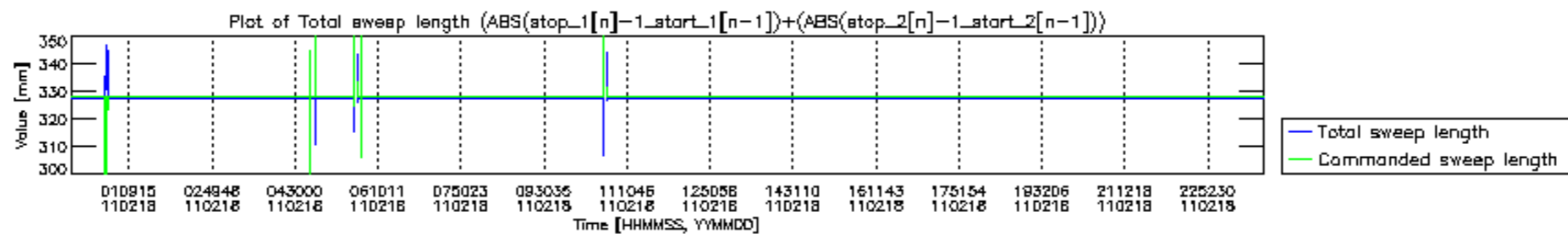


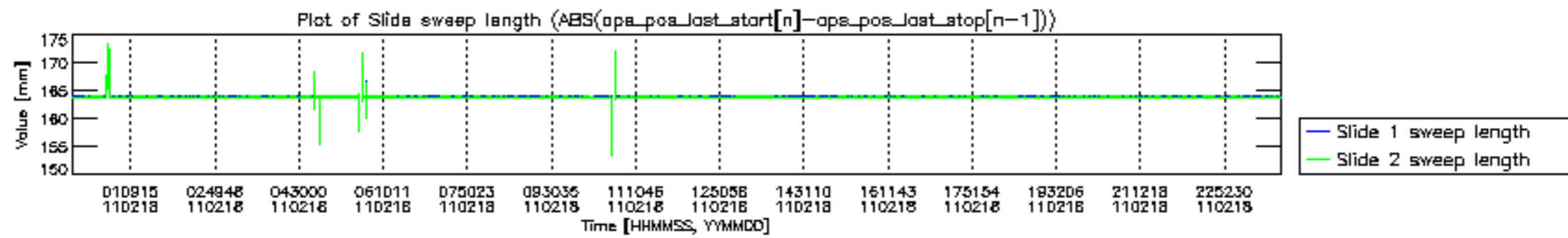


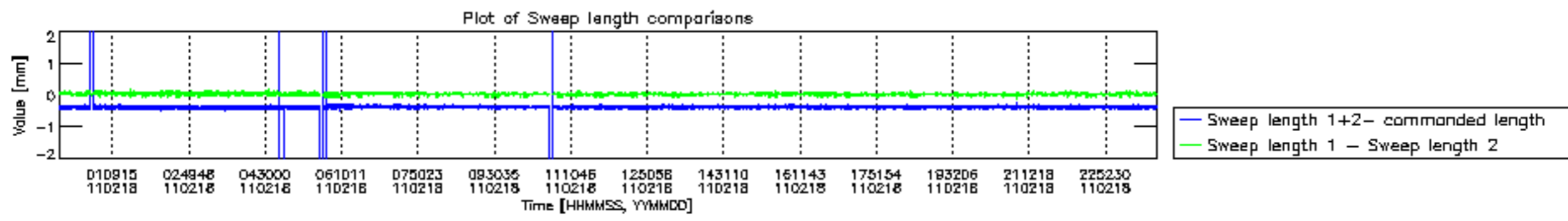


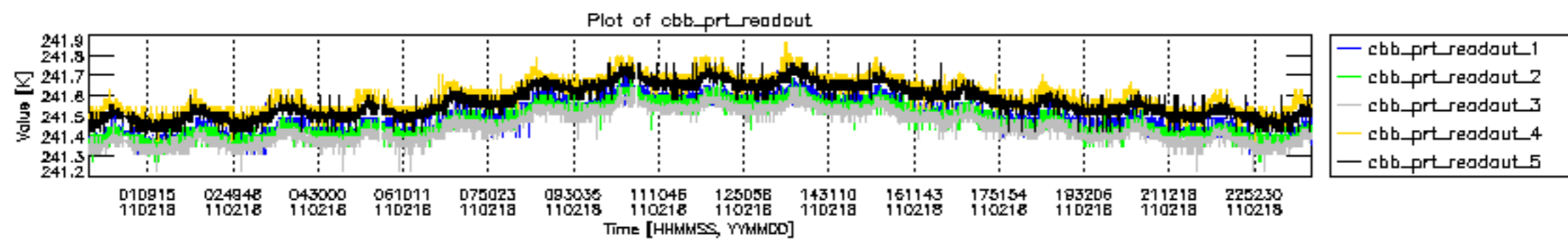




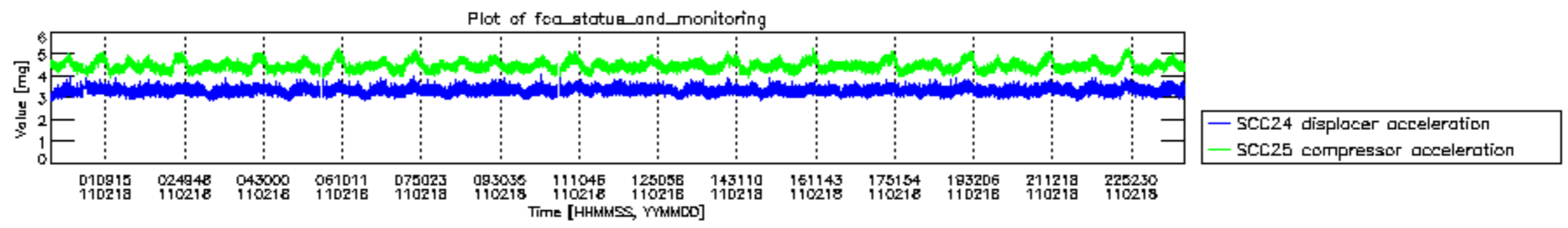












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

