

## 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	04MAR2012 05:22:53
Data source version	KSPT_L0/4504-N
Processing scope for products	28FEB2012 00:00:00 to 29FEB2012 00:00:00
Start time of first product within scope	28FEB2012 01:19:02
Stop time of last product within scope	29FEB2012 00:44:06
Total number of level 0 products	12
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__0PNPDE20120228_011902_000102583112_00117_52286_1119.N1	28FEB2012 01:19:02	28FEB2012 04:10:00	0	0	0	0	0
1	MIP_NL__0PNPDE20120228_013931_000013683112_00118_52287_1121.N1	28FEB2012 01:39:31	28FEB2012 02:02:20	0	0	0	0	0
2	MIP_NL__0PNPDE20120228_040924_000062903112_00119_52288_1123.N1	28FEB2012 04:09:24	28FEB2012 05:54:14	0	0	0	0	0
3	MIP_NL__0PNPDE20120228_055341_000061123112_00120_52289_1124.N1	28FEB2012 05:53:41	28FEB2012 07:35:33	0	0	0	0	0
4	MIP_NL__0PNPDK20120228_083943_000061743112_00122_52291_8718.N1	28FEB2012 08:39:43	28FEB2012 10:22:38	0	0	0	0	0
5	MIP_NL__0PNPDK20120228_102125_000058263112_00123_52292_8719.N1	28FEB2012 10:21:25	28FEB2012 11:58:31	0	0	0	0	0
6	MIP_NL__0PNPDK20120228_133451_000003843112_00125_52294_8720.N1	28FEB2012 13:34:51	28FEB2012 13:41:16	1	0	1	0	0
7	MIP_NL__0PNPDK20120228_133502_000060233112_00125_52294_8721.N1	28FEB2012 13:35:02	28FEB2012 15:15:24	0	0	0	0	0
8	MIP_NL__0PNPDK20120228_151336_000060603112_00126_52295_8723.N1	28FEB2012 15:13:36	28FEB2012 16:54:36	0	0	0	0	0
9	MIP_NL__0PNPDE20120228_200802_000044253112_00129_52298_1125.N1	28FEB2012 20:08:02	28FEB2012 21:21:47	0	0	0	0	0
10	MIP_NL__0PNPDE20120228_212038_000061313112_00129_52298_1126.N1	28FEB2012 21:20:38	28FEB2012 23:02:49	0	0	0	0	0
11	MIP_NL__0PNPDE20120228_230140_000061463112_00130_52299_1127.N1	28FEB2012 23:01:40	29FEB2012 00:44:06	0	0	0	0	0

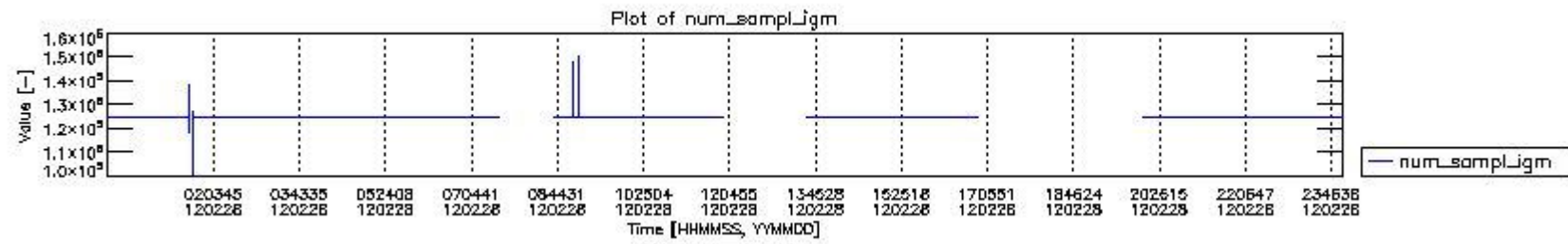
## 0.2 Instrument Operational Performance Parameters

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.

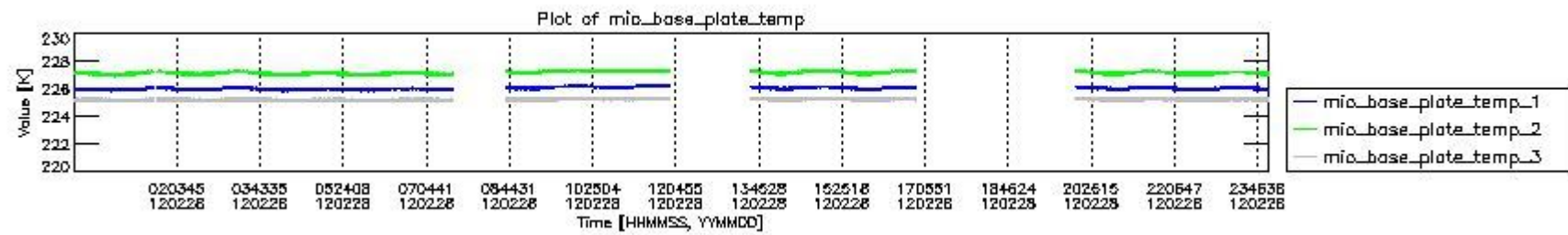
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100632	1	0.0032015367
118387	1	0.0032015367
124800	29405	94.141188
124803	1818	5.8203938
125884	1	0.0032015367
126415	1	0.0032015367

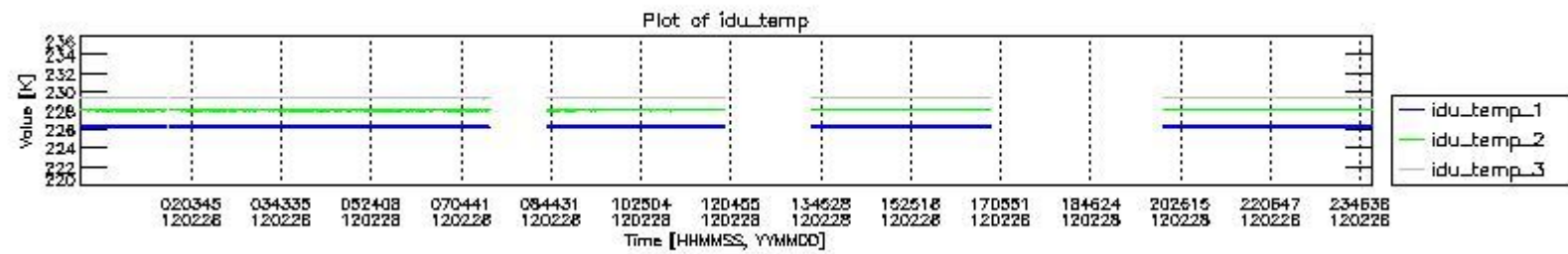
126968	1	0.0032015367
127531	1	0.0032015367
132106	1	0.0032015367
138519	1	0.0032015367
146547	1	0.0032015367
147663	1	0.0032015367
148162	1	0.0032015367
150394	1	0.0032015367



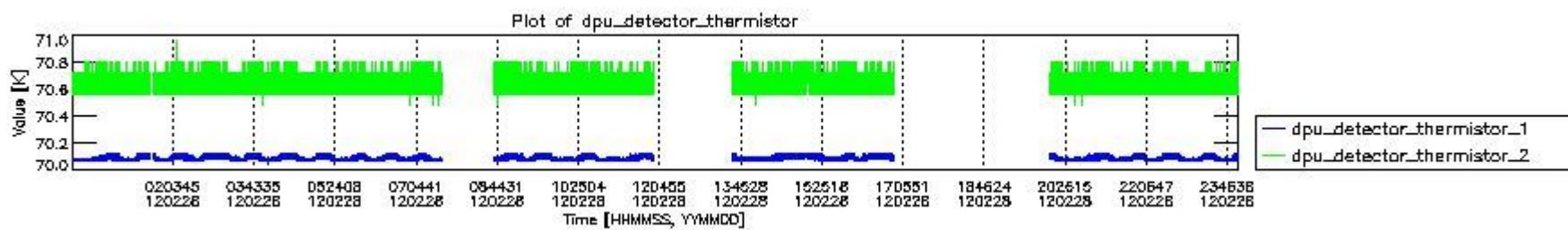
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120228\_0.PNG



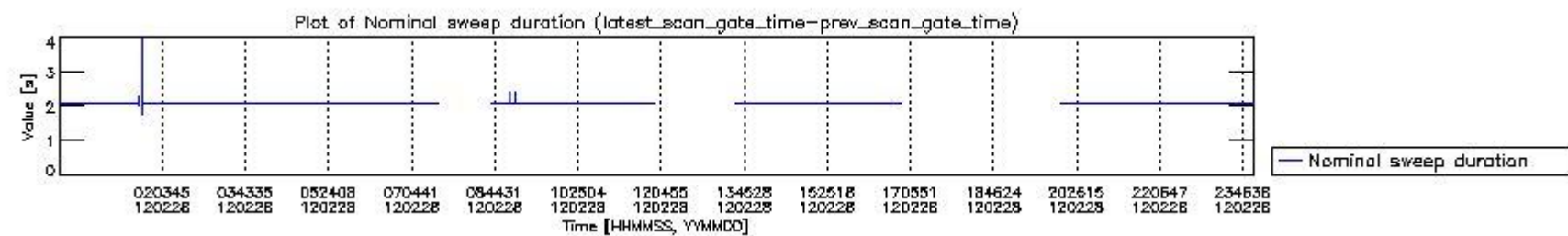
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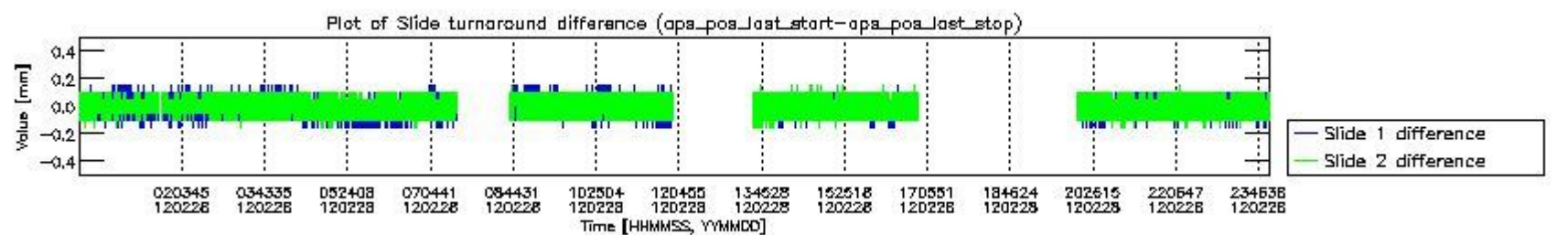
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120228\_2.PNG



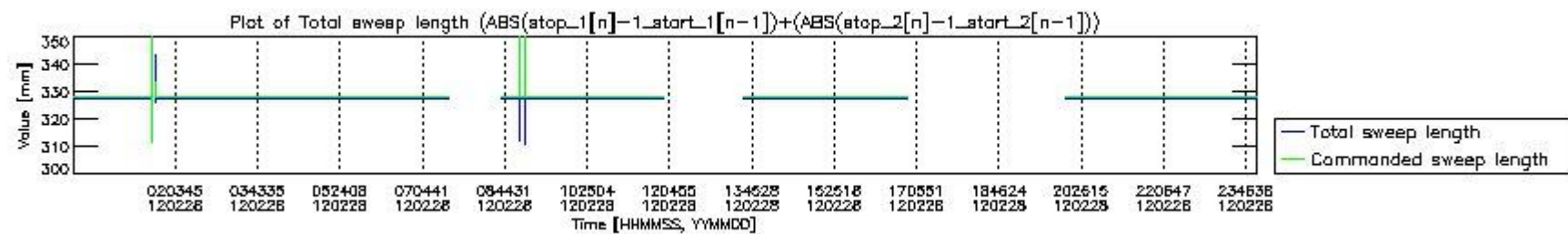
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120228\_3.PNG



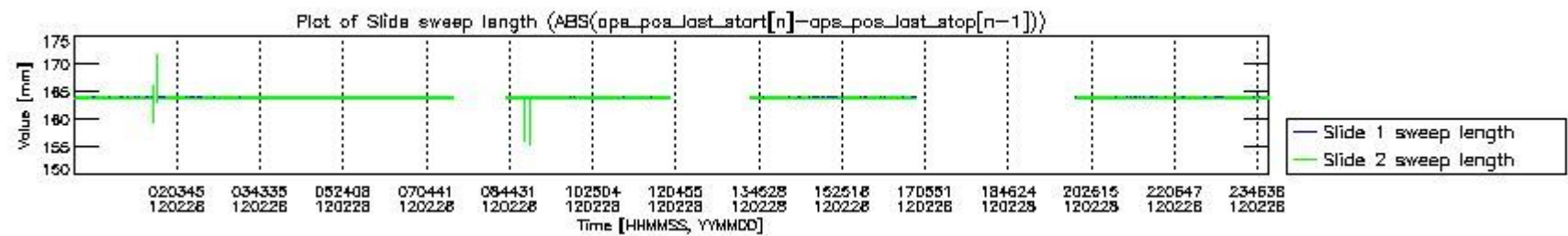
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120228\_4.PNG



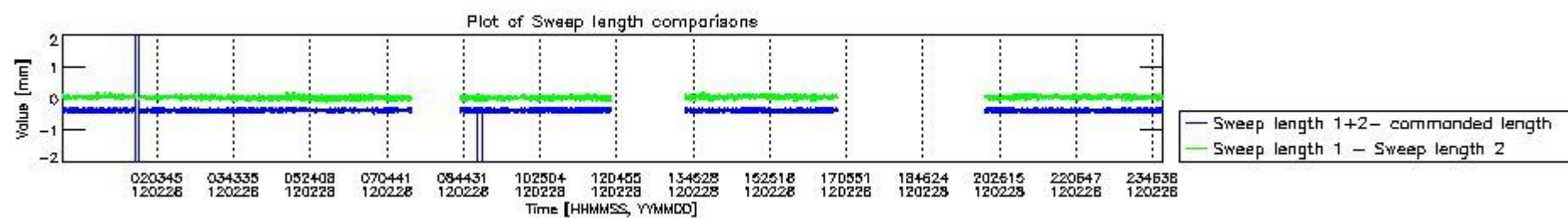
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120228\_5.PNG



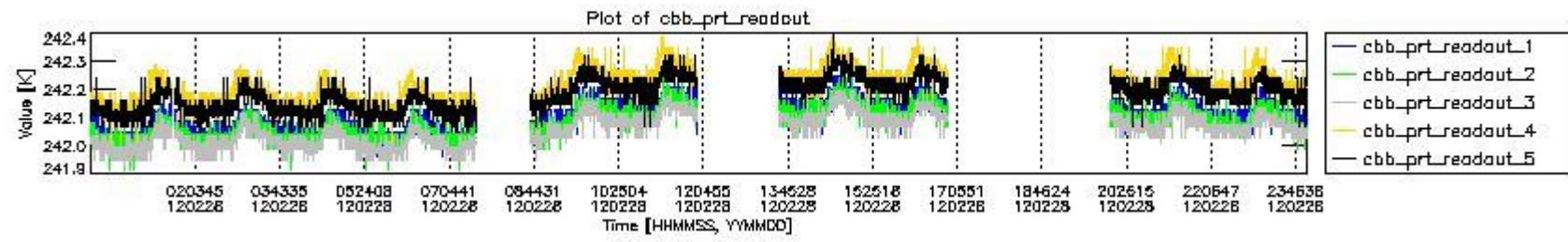
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120228\_6.PNG



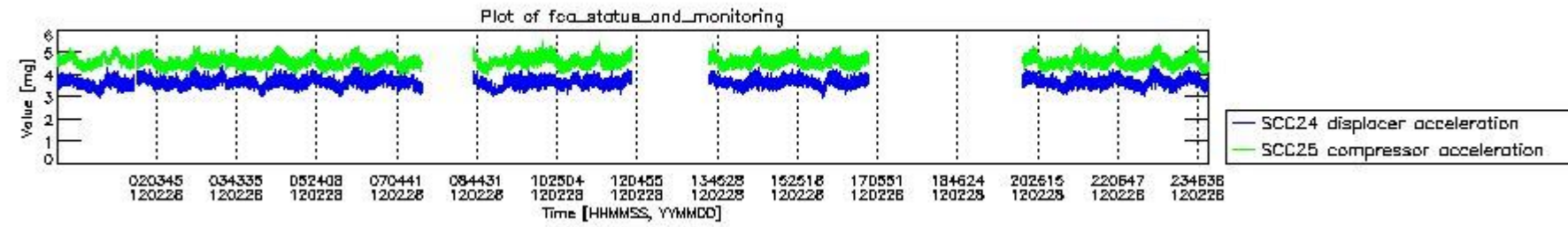
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120228\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120228\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120228\_9.PNG

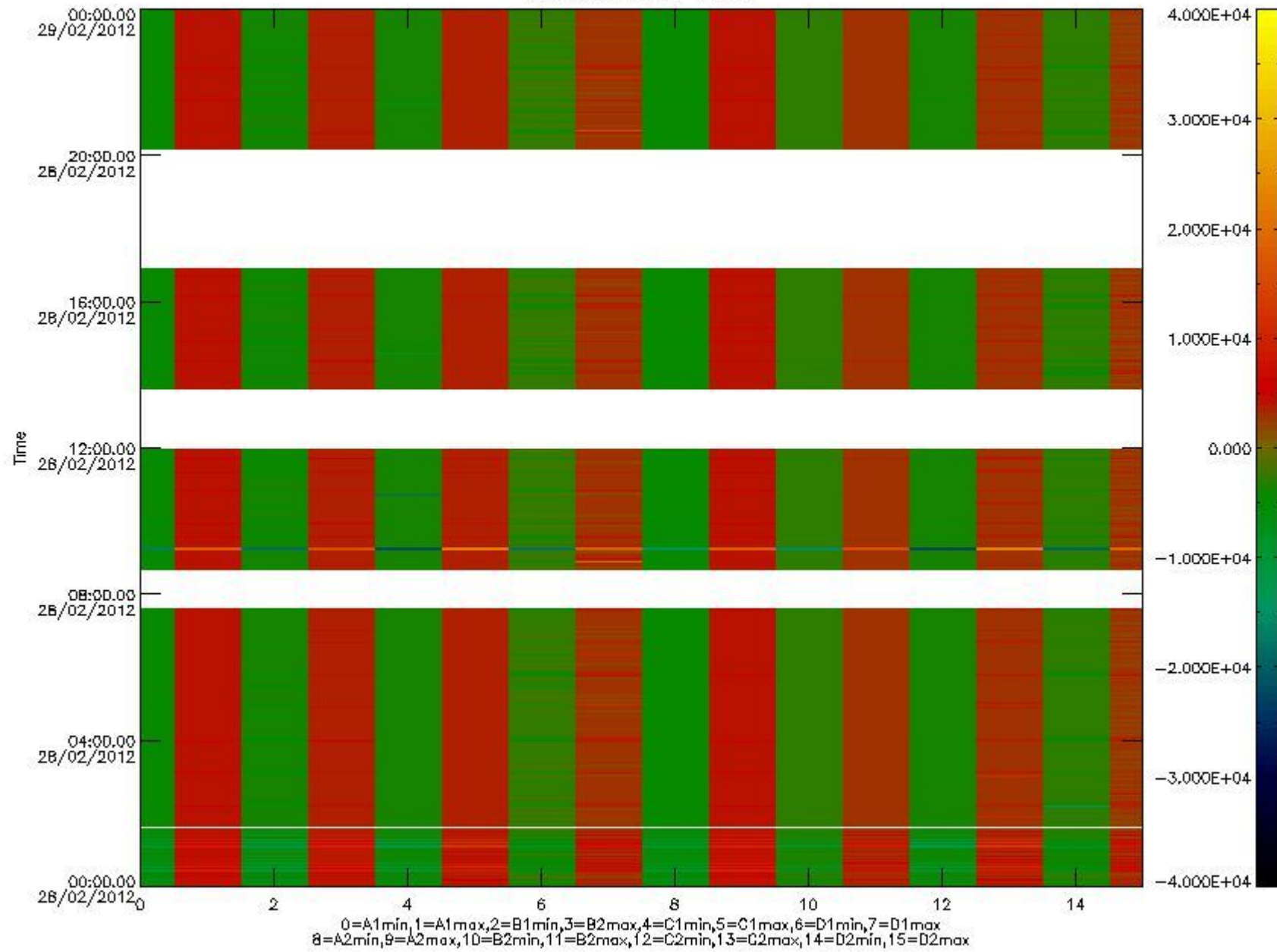


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120228\_10.PNG

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

Channel	Min	Max	ADC
A1	-17179	18052	16bit
B1	-18964	16467	16bit
C1	-23649	22265	16bit
D1	-18834	31256	16bit
A2	-15011	18311	16bit
B2	-16649	16467	16bit
C2	-23350	22923	16bit
D2	-32768	23590	16bit

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



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120228\_11.PNG

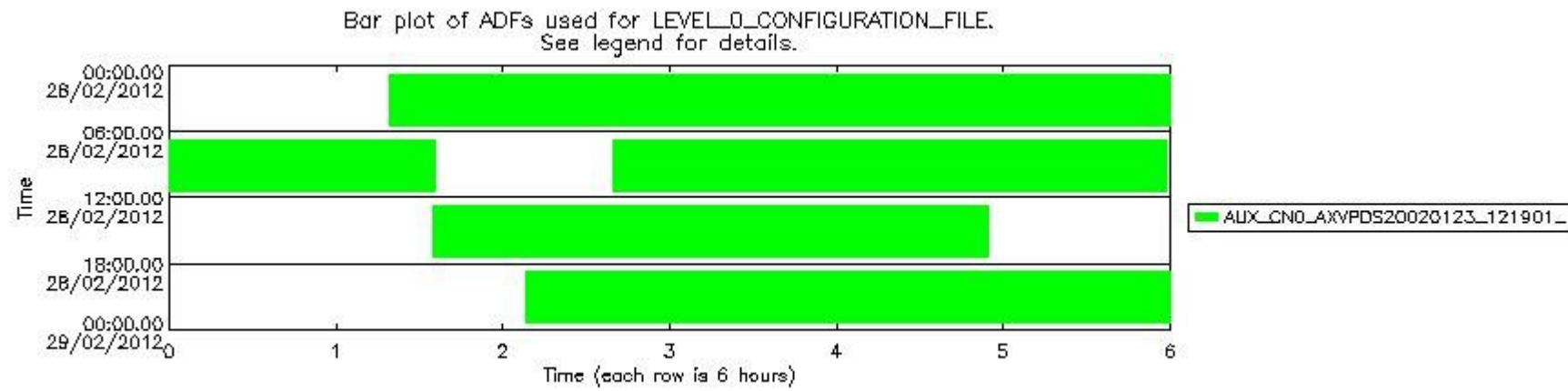
### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

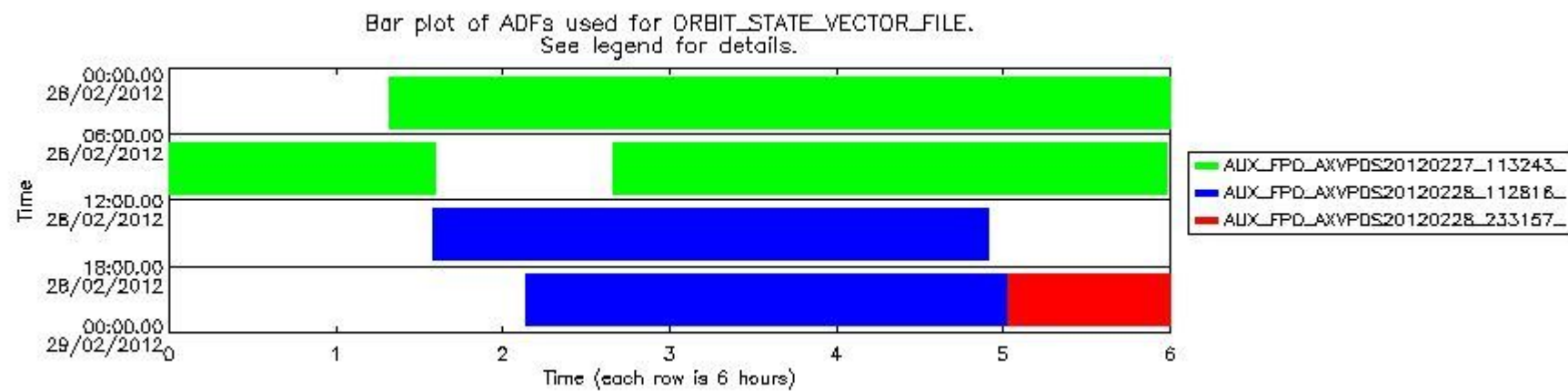
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120227_113243_20120226_192730_20120307_200057
2	AUX_FPO_AXVPDS20120228_112816_20120227_185045_20120308_210426
3	AUX_FPO_AXVPDS20120228_233157_20120228_195414_20120309_202741

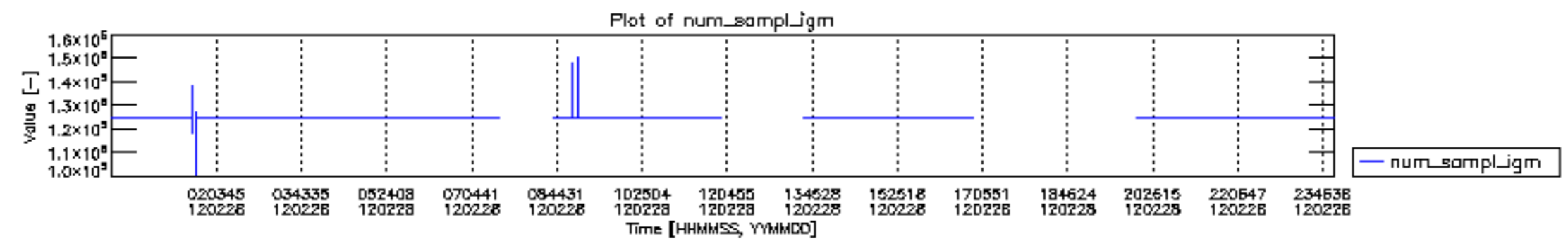
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20120228_011902_000102583112_00117_52286_1119.N1	0	1
1	MIP_NL__0PNPDE20120228_013931_000013683112_00118_52287_1121.N1	0	1
2	MIP_NL__0PNPDE20120228_040924_000062903112_00119_52288_1123.N1	0	1
3	MIP_NL__0PNPDE20120228_055341_000061123112_00120_52289_1124.N1	0	1
4	MIP_NL__0PNPDK20120228_083943_000061743112_00122_52291_8718.N1	0	1
5	MIP_NL__0PNPDK20120228_102125_000058263112_00123_52292_8719.N1	0	1
6	MIP_NL__0PNPDK20120228_133451_000003843112_00125_52294_8720.N1	0	2
7	MIP_NL__0PNPDK20120228_133502_000060233112_00125_52294_8721.N1	0	2
8	MIP_NL__0PNPDK20120228_151336_000060603112_00126_52295_8723.N1	0	2
9	MIP_NL__0PNPDE20120228_200802_000044253112_00129_52298_1125.N1	0	2
10	MIP_NL__0PNPDE20120228_212038_000061313112_00129_52298_1126.N1	0	2
11	MIP_NL__0PNPDE20120228_230140_000061463112_00130_52299_1127.N1	0	3

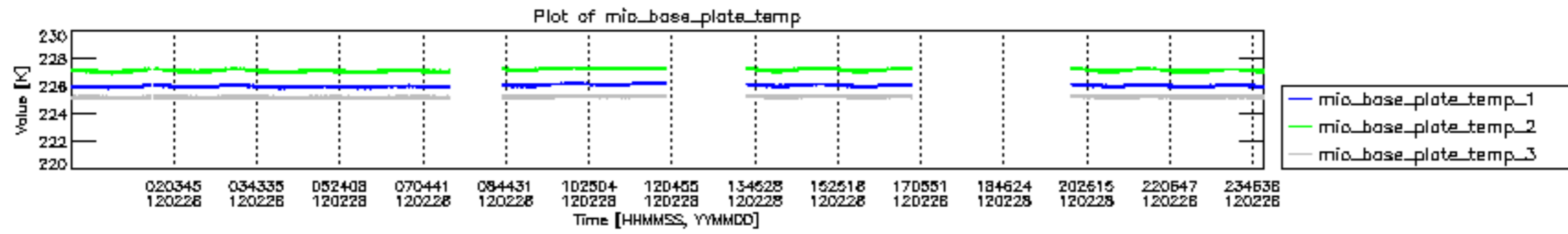


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120228\_12.PNG

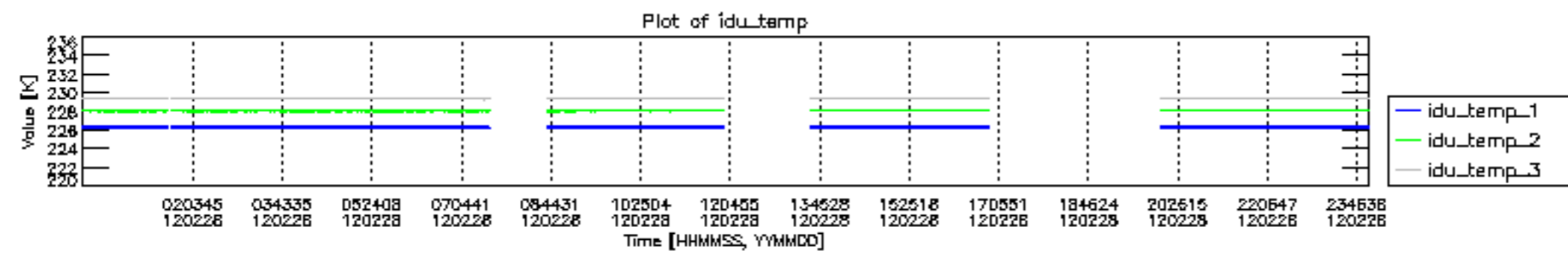


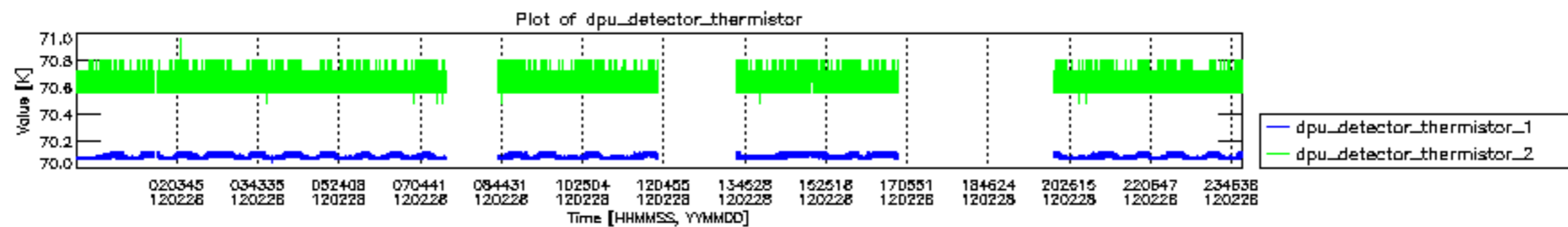
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120228\_13.PNG

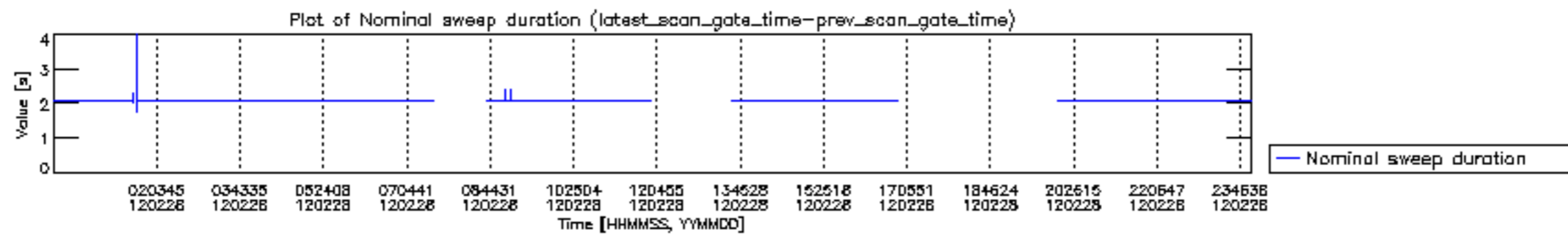


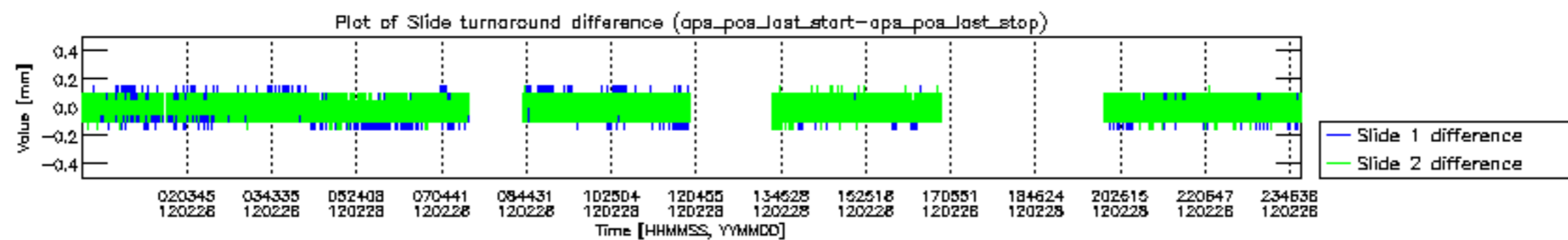


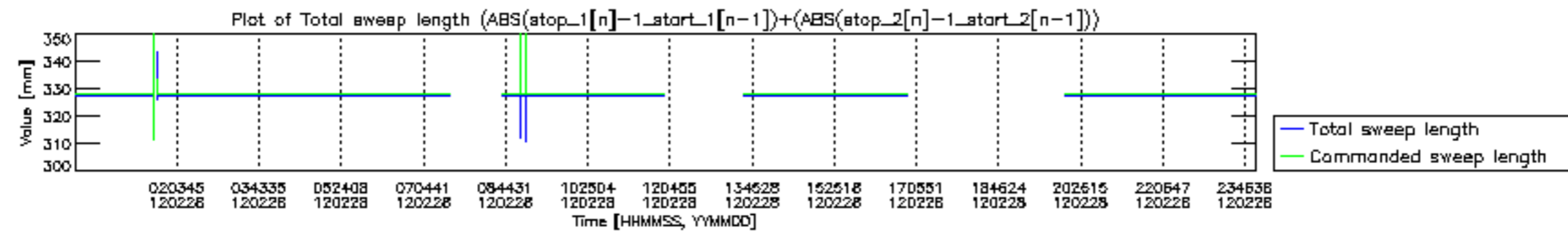


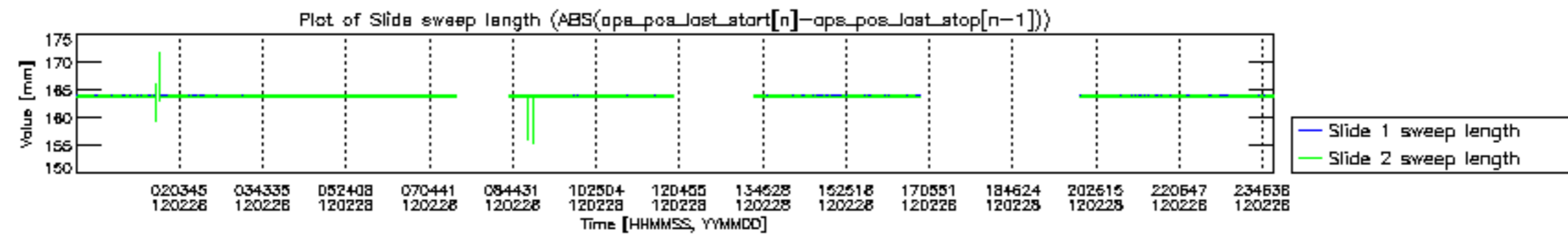


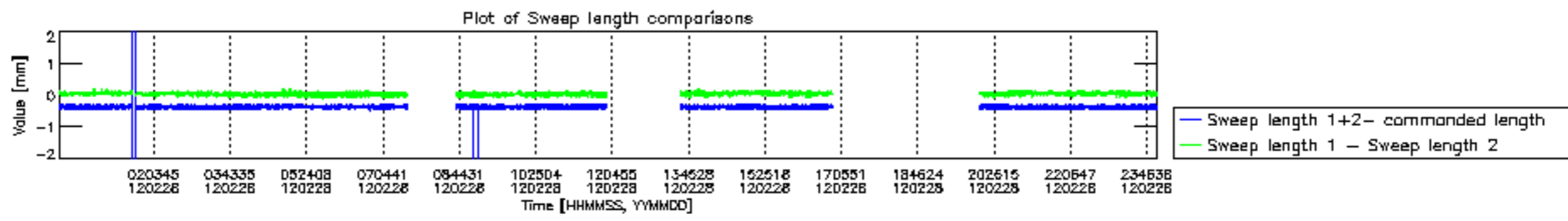


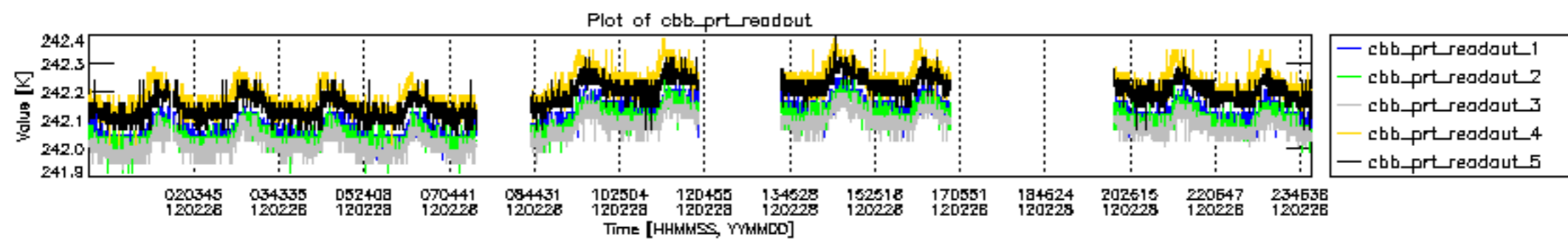




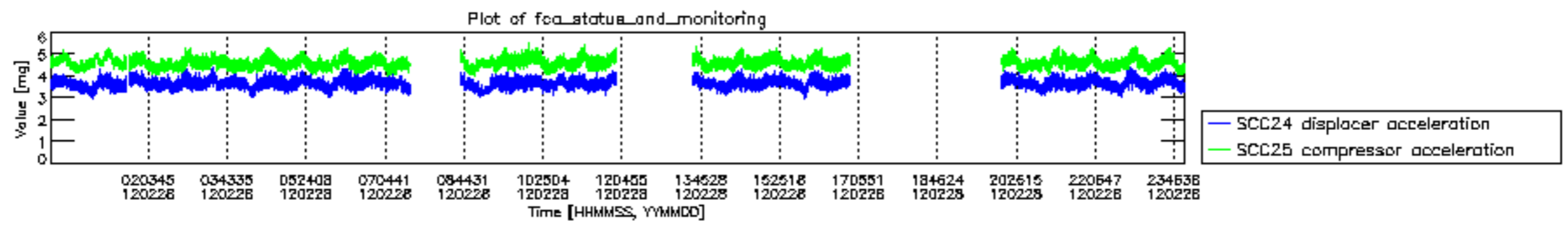












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

