

## 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	23NOV2010 05:22:13
Data source version	KSPT_L0/4504-N
Processing scope for products	18NOV2010 00:00:00 to 19NOV2010 00:00:00
Start time of first product within scope	18NOV2010 01:35:28
Stop time of last product within scope	19NOV2010 01:01:52
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__0PNPDE20101118_013528_000043643096_00304_45577_2039.N1	18NOV2010 01:35:28	18NOV2010 02:48:12	0	0	0	0	0
1	MIP_NL__0PNPDE20101118_024736_000061963096_00305_45578_2040.N1	18NOV2010 02:47:36	18NOV2010 04:30:53	0	0	0	0	0
2	MIP_NL__0PNPDE20101118_043019_000060403096_00306_45579_2041.N1	18NOV2010 04:30:19	18NOV2010 06:10:59	1	1	0	0	0
3	MIP_NL__0PNPDK20101118_061025_000039743096_00307_45580_3305.N1	18NOV2010 06:10:25	18NOV2010 07:16:39	0	0	0	0	0
4	MIP_NL__0PNPDK20101118_071543_000062973096_00308_45581_3306.N1	18NOV2010 07:15:43	18NOV2010 09:00:39	0	0	0	0	0
5	MIP_NL__0PNPDK20101118_085922_000059373096_00309_45582_3307.N1	18NOV2010 08:59:22	18NOV2010 10:38:19	0	0	0	0	0
6	MIP_NL__0PNPDK20101118_103641_000061213096_00310_45583_3308.N1	18NOV2010 10:36:41	18NOV2010 12:18:42	0	0	0	0	0
7	MIP_NL__0PNPDK20101118_121744_000058453096_00311_45584_3309.N1	18NOV2010 12:17:44	18NOV2010 13:55:09	0	0	0	0	0
8	MIP_NL__0PNPDK20101118_135413_000060213096_00312_45585_3310.N1	18NOV2010 13:54:13	18NOV2010 15:34:34	0	0	0	0	0
9	MIP_NL__0PNPDK20101118_153335_000058793096_00313_45586_3311.N1	18NOV2010 15:33:35	18NOV2010 17:11:34	0	0	0	0	0
10	MIP_NL__0PNPDK20101118_171033_000058563096_00314_45587_3312.N1	18NOV2010 17:10:33	18NOV2010 18:48:09	0	0	0	0	0
11	MIP_NL__0PNPDK20101118_184656_000060693096_00315_45588_3313.N1	18NOV2010 18:46:56	18NOV2010 20:28:05	0	0	0	0	0
12	MIP_NL__0PNPDE20101118_202558_000044653096_00316_45589_2042.N1	18NOV2010 20:25:58	18NOV2010 21:40:22	0	0	0	0	0
13	MIP_NL__0PNPDE20101118_213905_000061043096_00316_45589_2043.N1	18NOV2010 21:39:05	18NOV2010 23:20:49	0	0	0	0	0
14	MIP_NL__0PNPDE20101118_231942_000061303096_00317_45590_2044.N1	18NOV2010 23:19:42	19NOV2010 01:01:52	0	0	0	0	0

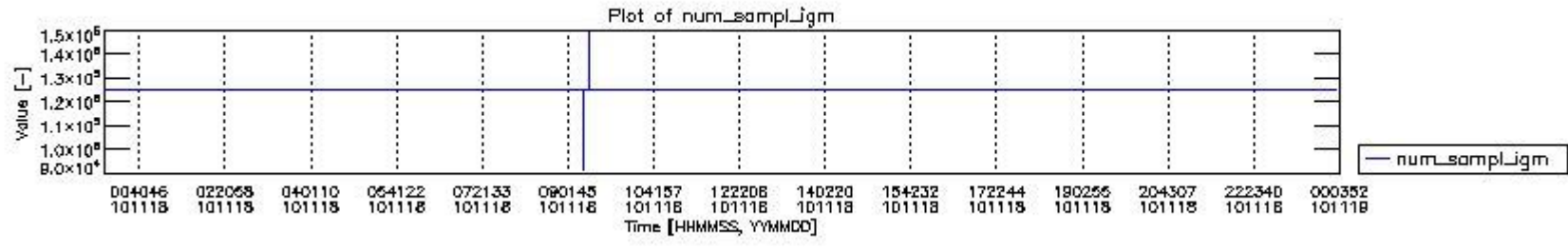
## 0.2 Instrument Operational Performance Parameters

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.

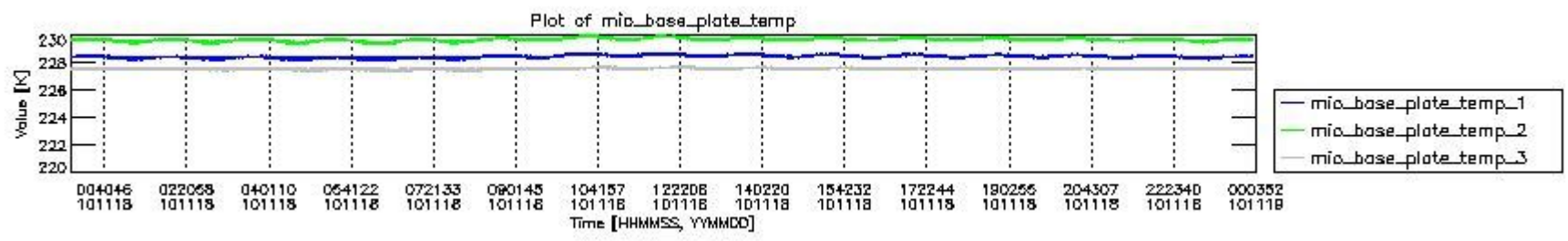
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
91664	1	0.0024032107
98166	1	0.0024032107
118298	1	0.0024032107

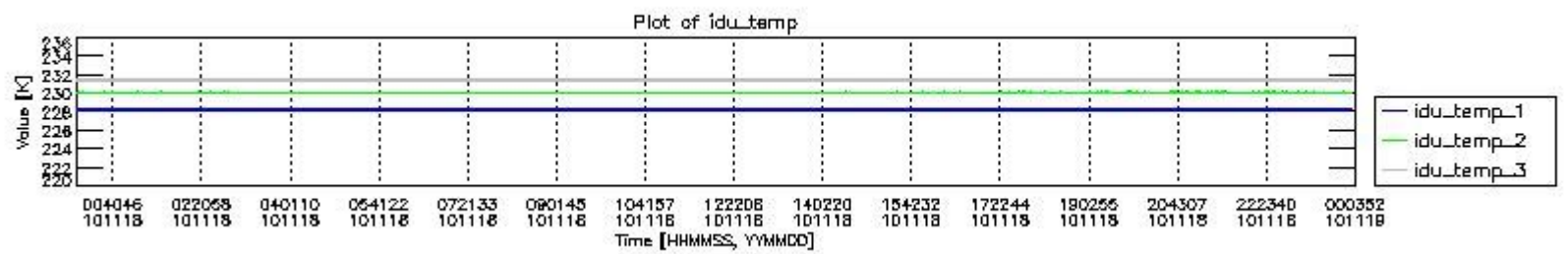
124800	38648	92.879287
124803	2957	7.1062940
126787	1	0.0024032107
146919	1	0.0024032107
148906	1	0.0024032107



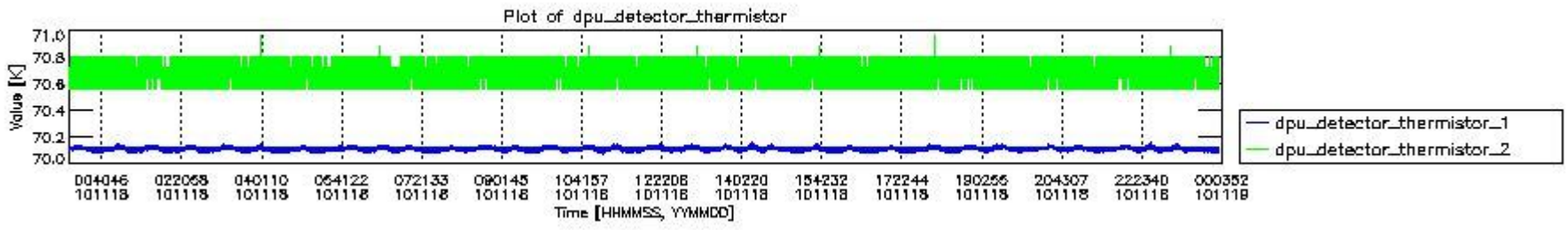
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101118\_0.PNG



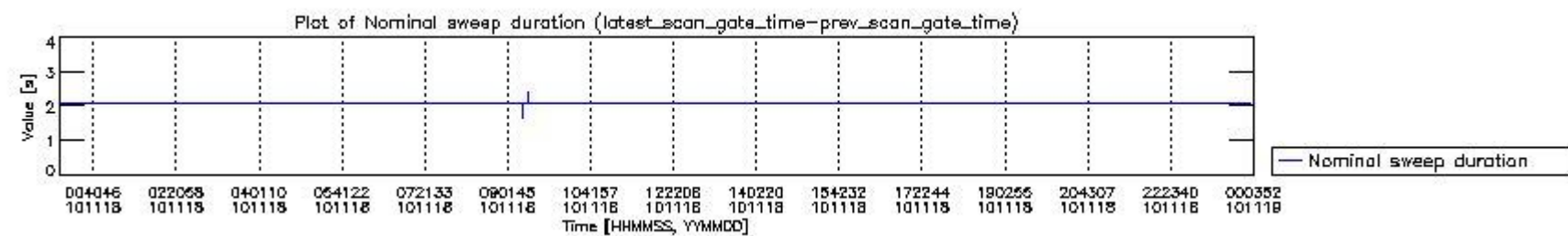
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101118\_1.PNG



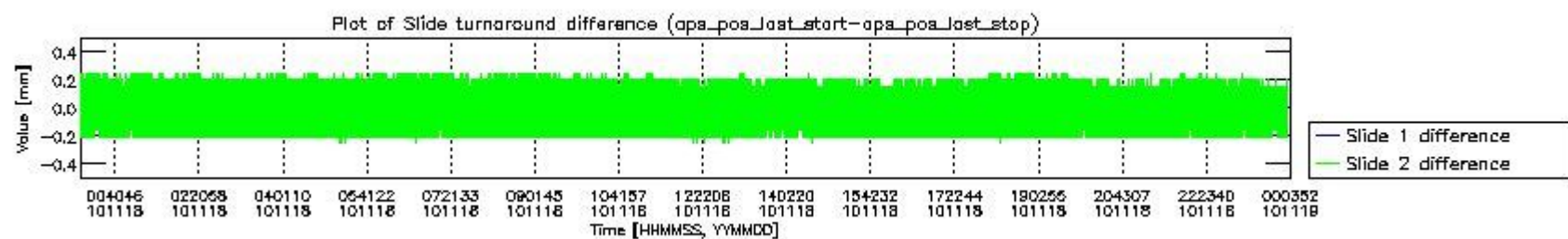
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101118\_2.PNG



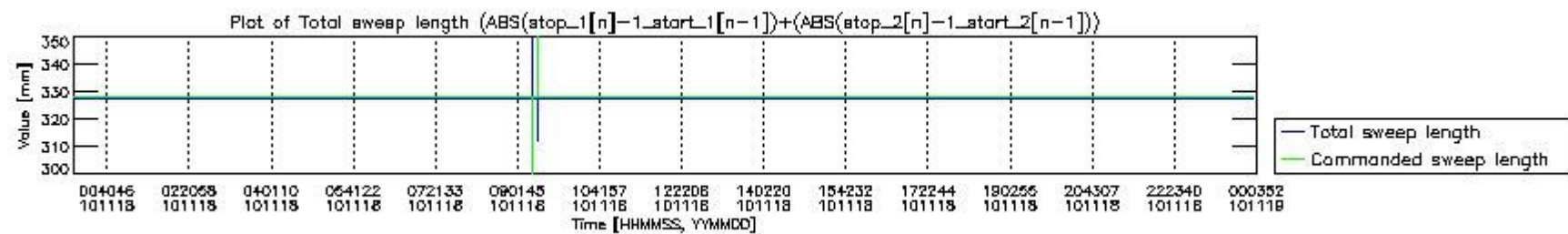
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101118\_3.PNG



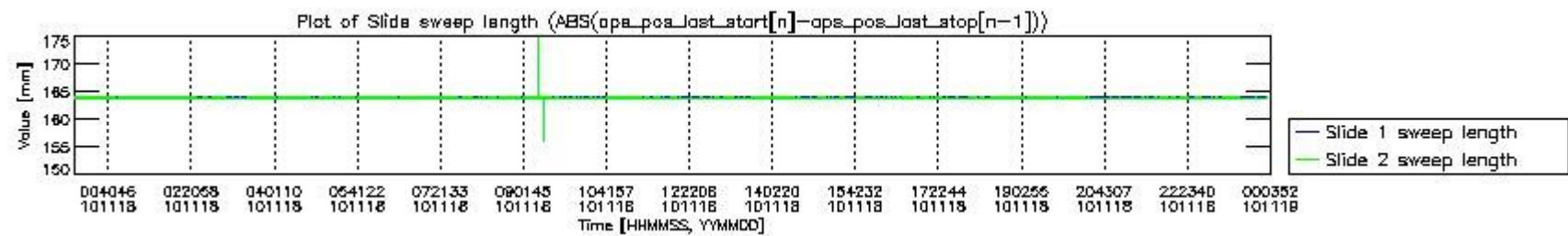
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101118\_4.PNG



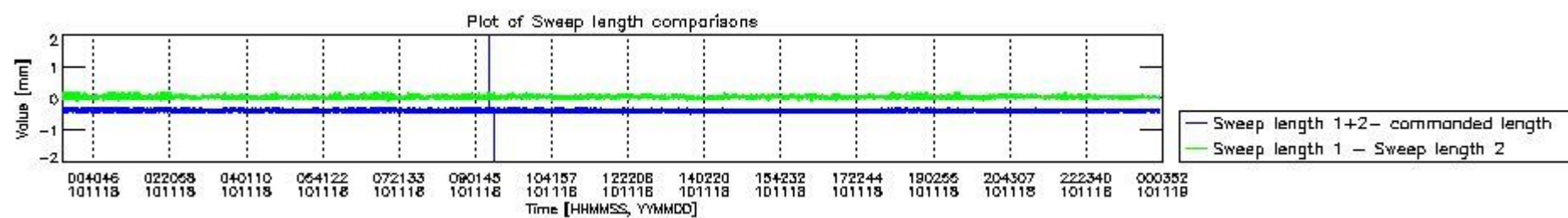
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101118\_5.PNG



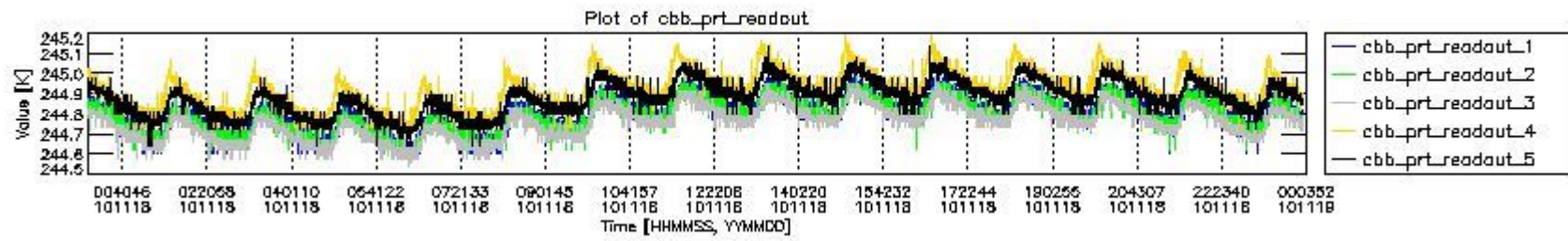
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101118\_6.PNG



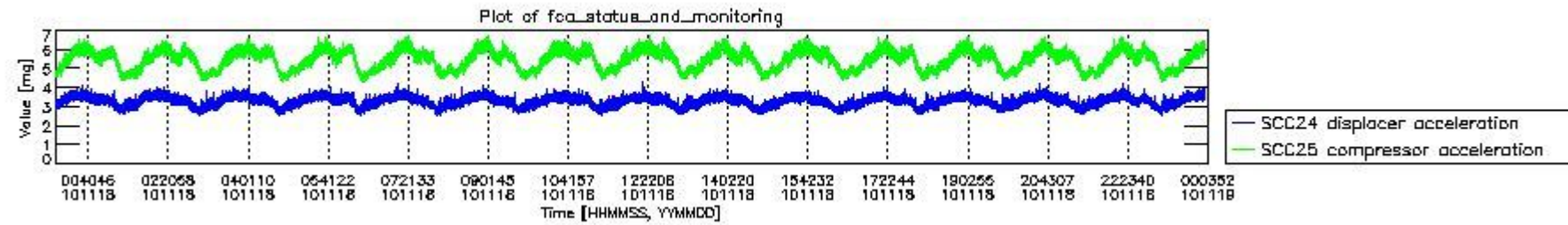
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101118\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101118\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101118\_9.PNG



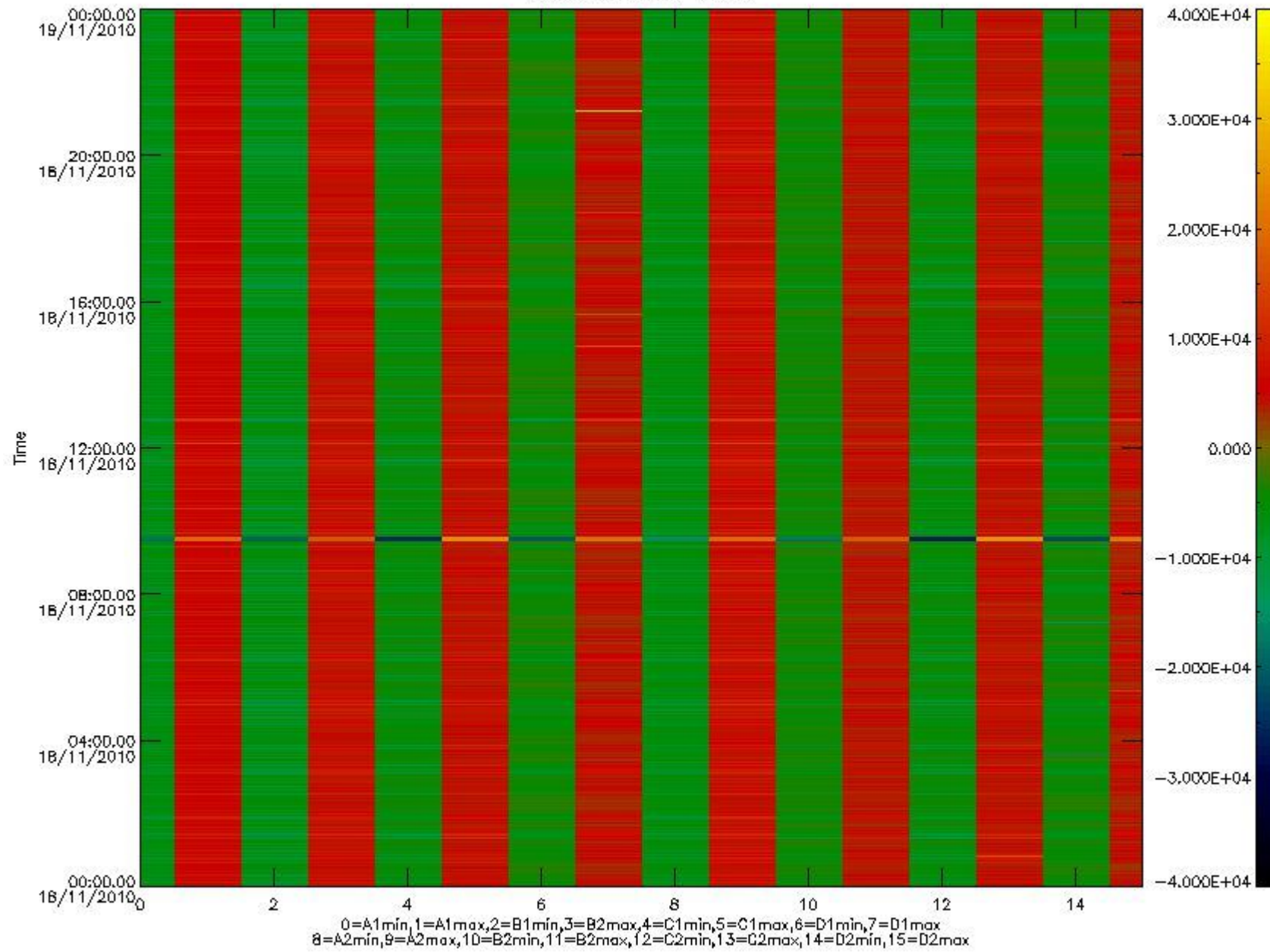
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101118\_10.PNG

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

Channel	Min	Max	ADC
A1	-18632	19823	16bit
B1	-20660	17757	16bit
C1	-25175	25060	16bit
D1	-32768	32767	16bit
A2	-16077	19944	16bit
B2	-18810	18384	16bit
C2	-26164	25784	16bit
D2	-32768	32767	16bit



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



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101118\_11.PNG

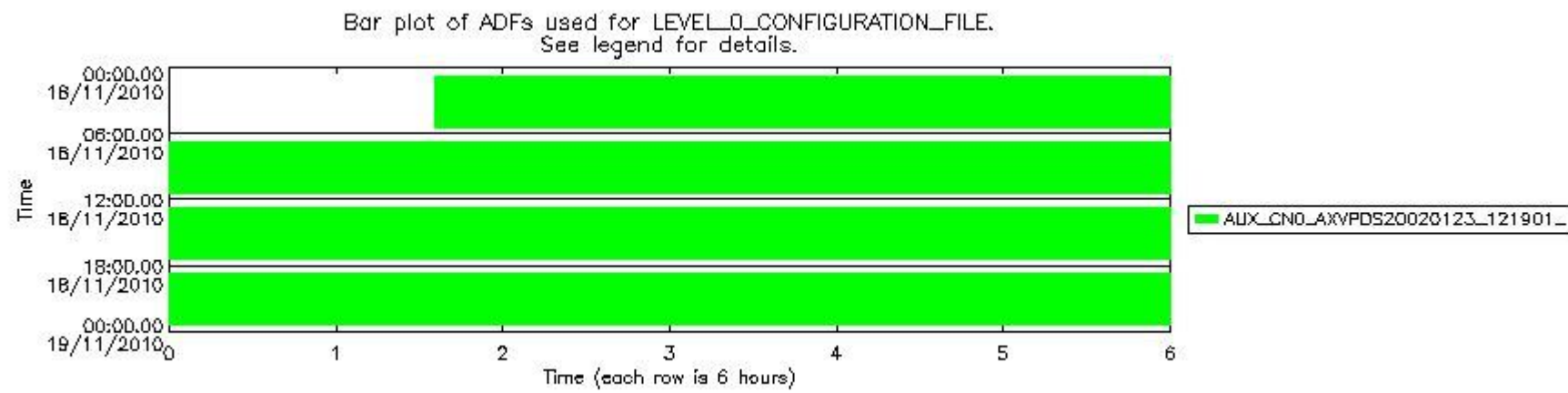
### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

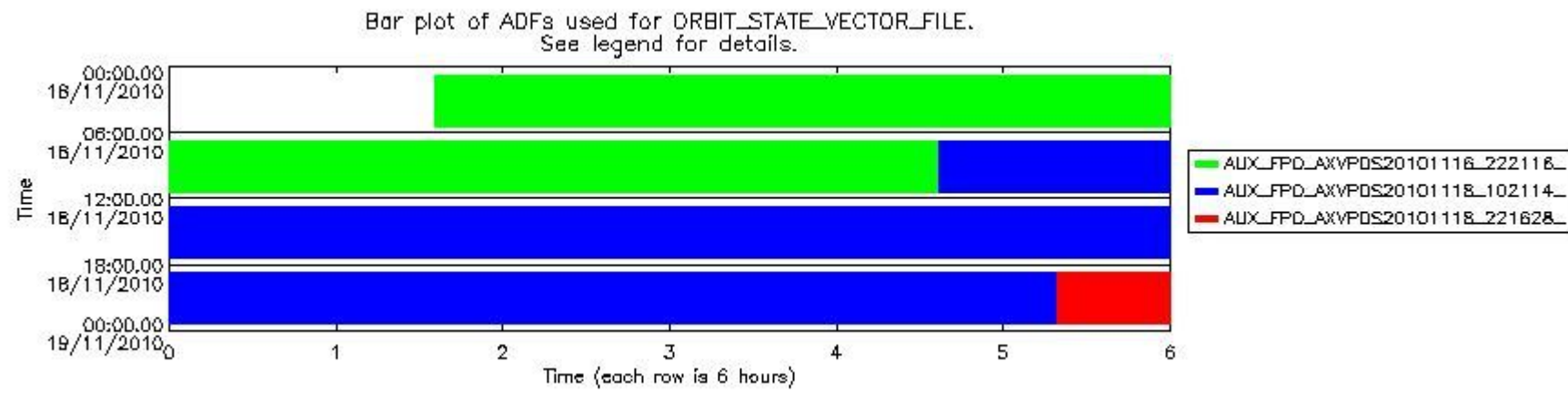
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101116_222116_20101116_194434_20101126_201815
2	AUX_FPO_AXVPDS20101118_102114_20101117_190751_20101127_212145
3	AUX_FPO_AXVPDS20101118_221628_20101118_183107_20101128_204501

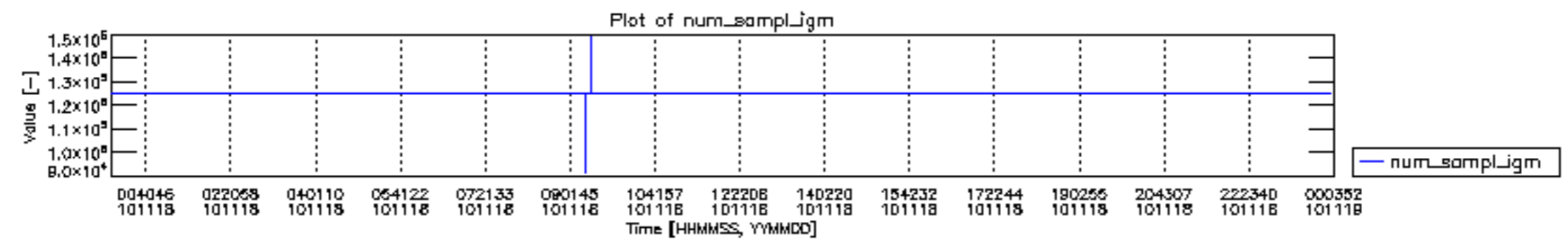
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20101118_013528_000043643096_00304_45577_2039.N1	0	1
1	MIP_NL__0PNPDE20101118_024736_000061963096_00305_45578_2040.N1	0	1
2	MIP_NL__0PNPDE20101118_043019_000060403096_00306_45579_2041.N1	0	1
3	MIP_NL__0PNPDK20101118_061025_000039743096_00307_45580_3305.N1	0	1
4	MIP_NL__0PNPDK20101118_071543_000062973096_00308_45581_3306.N1	0	1
5	MIP_NL__0PNPDK20101118_085922_000059373096_00309_45582_3307.N1	0	1
6	MIP_NL__0PNPDK20101118_103641_000061213096_00310_45583_3308.N1	0	2
7	MIP_NL__0PNPDK20101118_121744_000058453096_00311_45584_3309.N1	0	2
8	MIP_NL__0PNPDK20101118_135413_000060213096_00312_45585_3310.N1	0	2
9	MIP_NL__0PNPDK20101118_153335_000058793096_00313_45586_3311.N1	0	2
10	MIP_NL__0PNPDK20101118_171033_000058563096_00314_45587_3312.N1	0	2
11	MIP_NL__0PNPDK20101118_184656_000060693096_00315_45588_3313.N1	0	2
12	MIP_NL__0PNPDE20101118_202558_000044653096_00316_45589_2042.N1	0	2
13	MIP_NL__0PNPDE20101118_213905_000061043096_00316_45589_2043.N1	0	2
14	MIP_NL__0PNPDE20101118_231942_000061303096_00317_45590_2044.N1	0	3

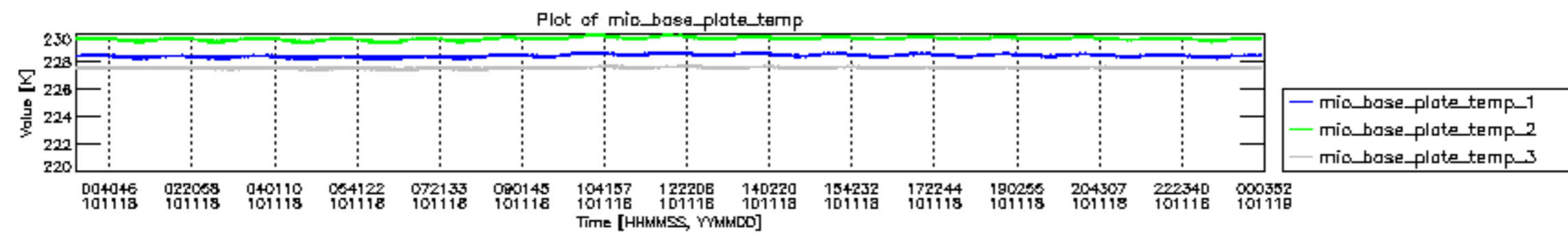


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101118\_12.PNG

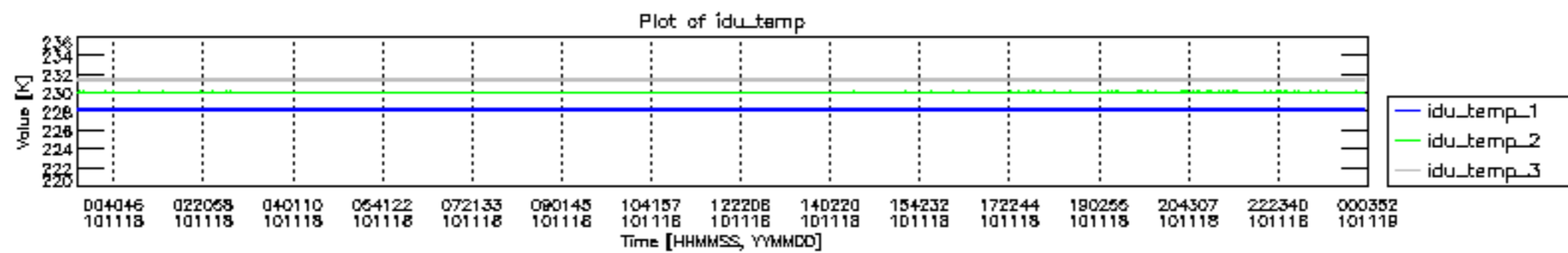


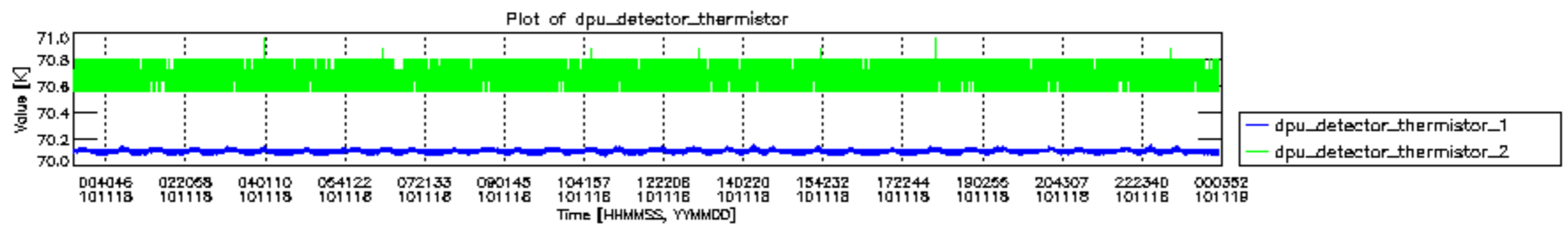
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101118\_13.PNG

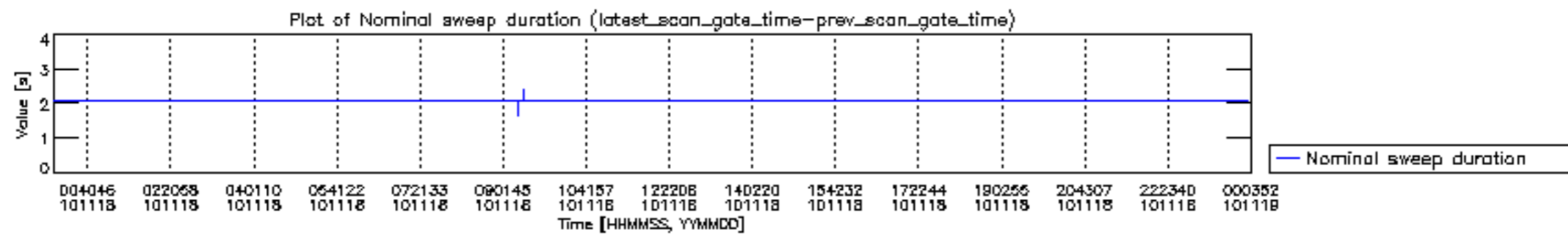




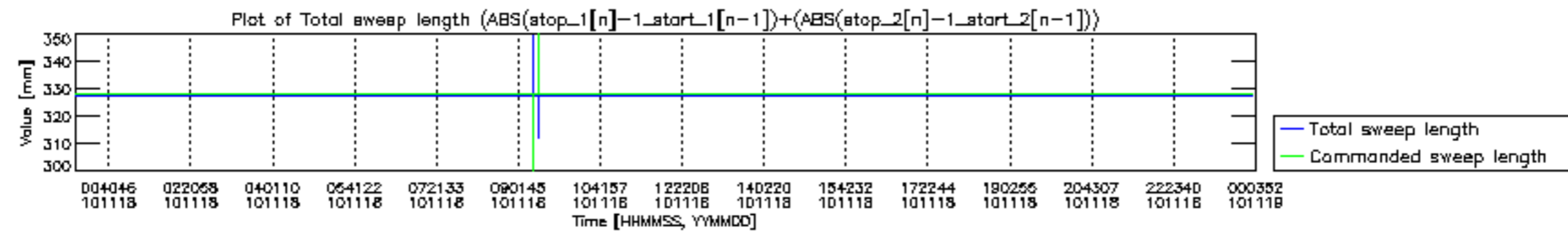




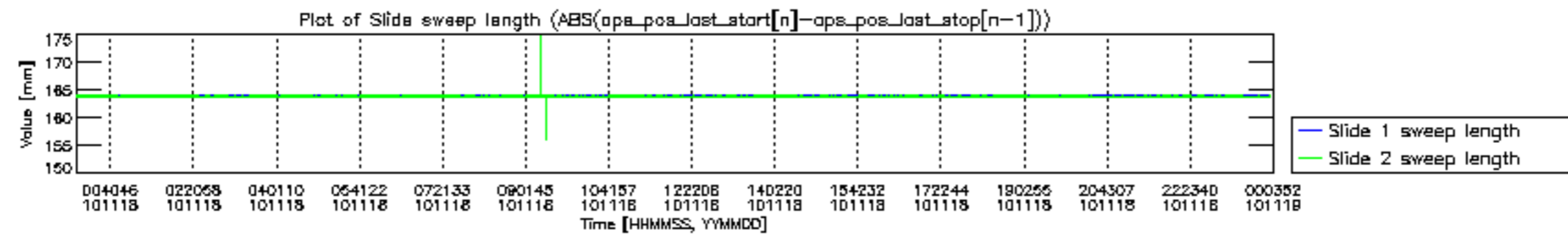




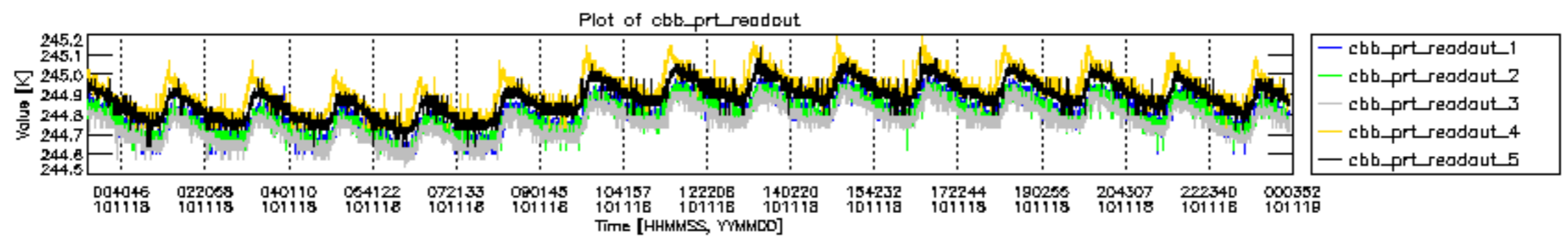


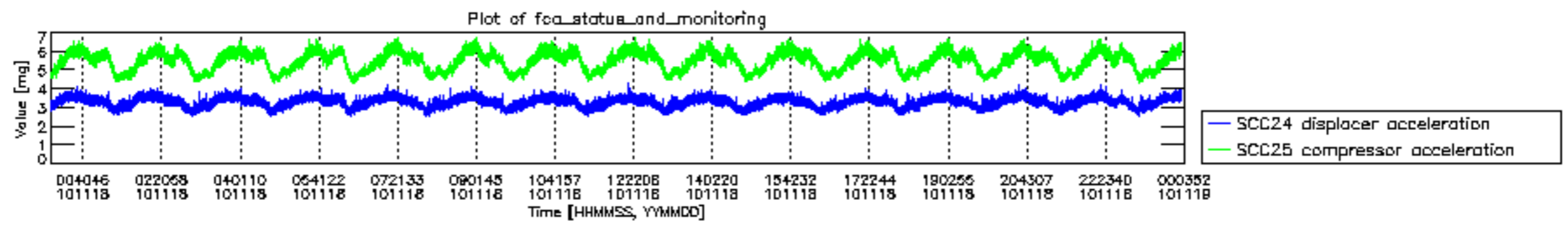












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

