

## 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	25JAN2011 05:24:10
Data source version	KSPT_L0/4504-N
Processing scope for products	20JAN2011 00:00:00 to 21JAN2011 00:00:00
Start time of first product within scope	20JAN2011 01:26:21
Stop time of last product within scope	21JAN2011 00:53:59
Total number of level 0 products	15
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__OPNPDE20110120_012621_000043933098_00347_46482_2751.N1	20JAN2011 01:26:21	20JAN2011 02:39:34	0	0	0	0	0
1	MIP_NL__OPNPDE20110120_023901_000061693098_00348_46483_2752.N1	20JAN2011 02:39:01	20JAN2011 04:21:50	0	0	0	0	0
2	MIP_NL__OPNPDE20110120_042118_000060753098_00349_46484_2753.N1	20JAN2011 04:21:18	20JAN2011 06:02:34	0	0	0	0	0
3	MIP_NL__OPNPDK20110120_060200_000040343098_00350_46485_4067.N1	20JAN2011 06:02:00	20JAN2011 07:09:14	0	0	0	0	0
4	MIP_NL__OPNPDK20110120_070816_000061623098_00351_46486_4068.N1	20JAN2011 07:08:16	20JAN2011 08:50:58	0	0	0	0	0
5	MIP_NL__OPNPDK20110120_084920_000060463098_00352_46487_4069.N1	20JAN2011 08:49:20	20JAN2011 10:30:05	0	0	0	0	0
6	MIP_NL__OPNPDK20110120_102827_000060583098_00353_46488_4070.N1	20JAN2011 10:28:27	20JAN2011 12:09:26	0	0	0	0	0
7	MIP_NL__OPNPDK20110120_120756_000059713098_00354_46489_4071.N1	20JAN2011 12:07:56	20JAN2011 13:47:26	0	0	0	0	0
8	MIP_NL__OPNPDK20110120_134552_000059733098_00355_46490_4072.N1	20JAN2011 13:45:52	20JAN2011 15:25:25	0	0	0	0	0
9	MIP_NL__OPNPDK20110120_152425_000059693098_00356_46491_4073.N1	20JAN2011 15:24:25	20JAN2011 17:03:53	0	0	0	0	0
10	MIP_NL__OPNPDK20110120_170309_000057973098_00357_46492_4074.N1	20JAN2011 17:03:09	20JAN2011 18:39:47	0	0	0	0	0
11	MIP_NL__OPNPDK20110120_183819_000059853098_00358_46493_4075.N1	20JAN2011 18:38:19	20JAN2011 20:18:04	0	0	0	0	0
12	MIP_NL__OPNPDE20110120_201624_000045023098_00359_46494_2754.N1	20JAN2011 20:16:24	20JAN2011 21:31:26	0	0	0	0	0
13	MIP_NL__OPNPDE20110120_212956_000061113098_00359_46494_2755.N1	20JAN2011 21:29:56	20JAN2011 23:11:47	0	0	0	0	0
14	MIP_NL__OPNPDE20110120_231038_000062013098_00360_46495_2756.N1	20JAN2011 23:10:38	21JAN2011 00:53:59	0	0	0	0	0

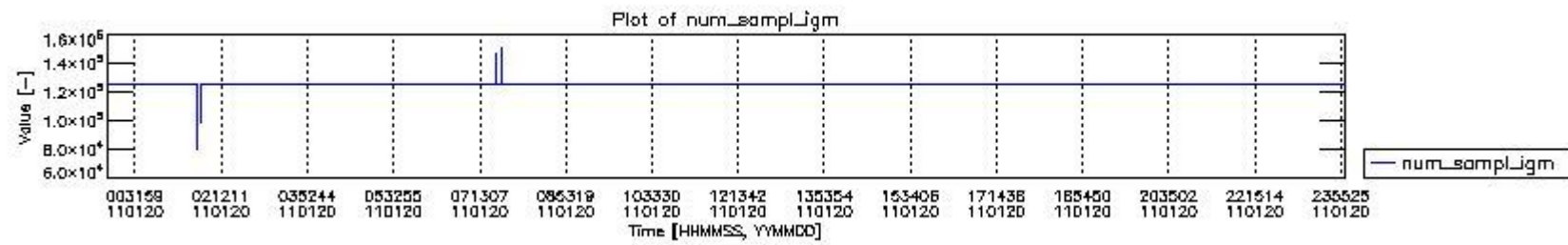
## 0.2 Instrument Operational Performance Parameters

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.

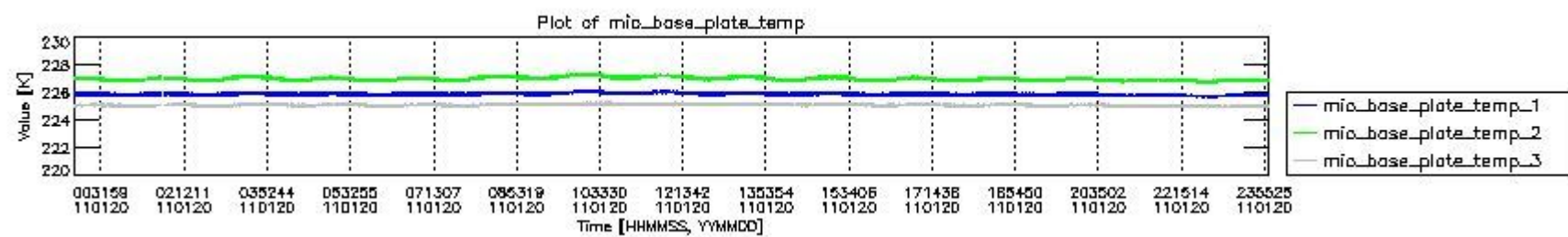
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
79918	1	0.0024110910
92293	1	0.0024110910
98699	1	0.0024110910

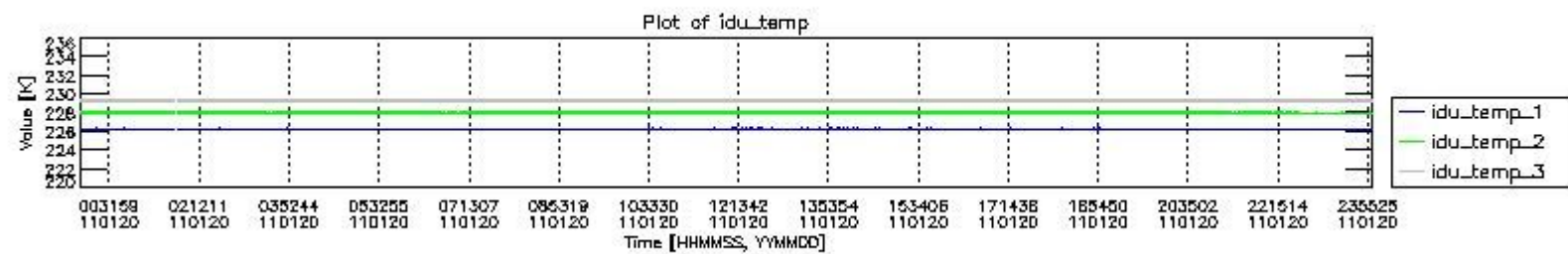
112425	1	0.0024110910
123102	1	0.0024110910
123951	1	0.0024110910
124800	38533	92.906570
124803	2930	7.0644967
125821	1	0.0024110910
127456	1	0.0024110910
145953	1	0.0024110910
146974	1	0.0024110910
147588	1	0.0024110910
150244	1	0.0024110910



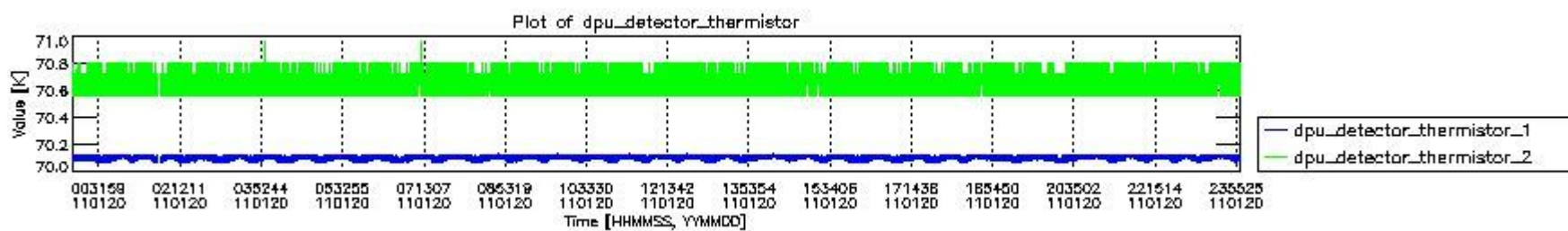
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110120\_0.PNG



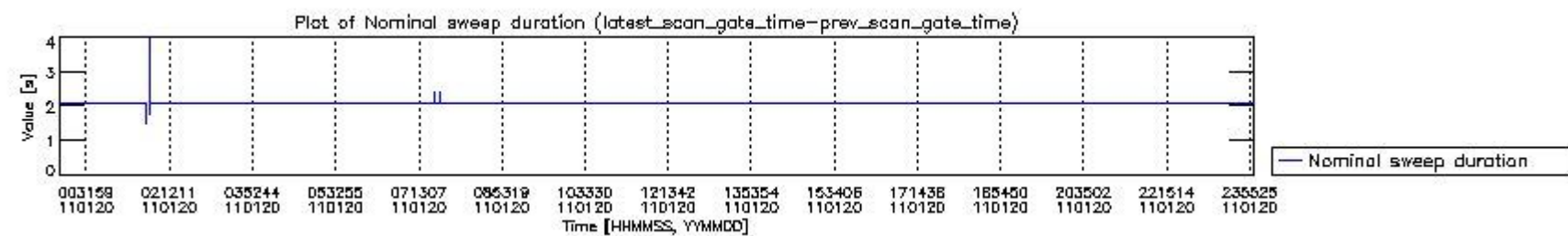
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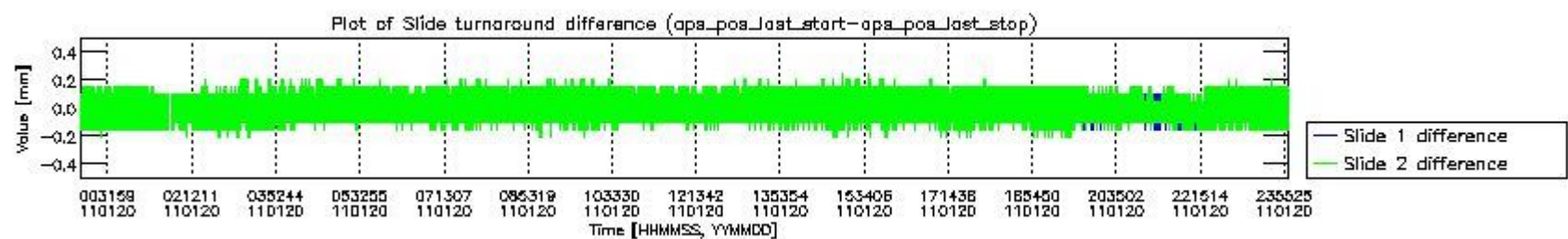
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110120\_2.PNG



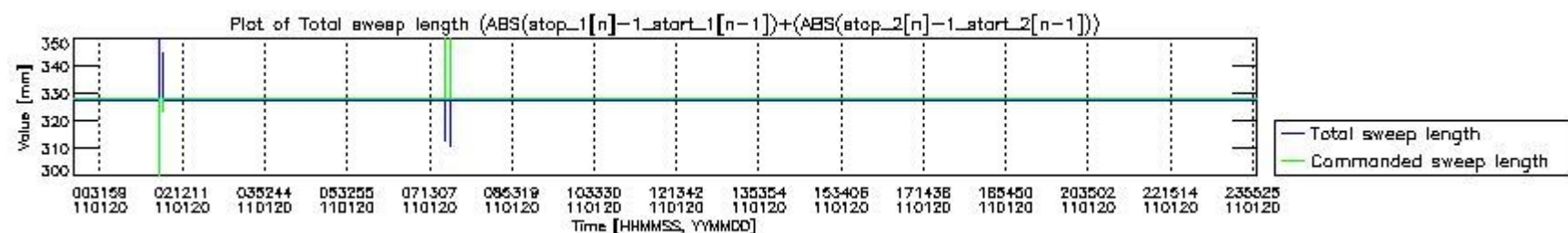
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110120\_3.PNG



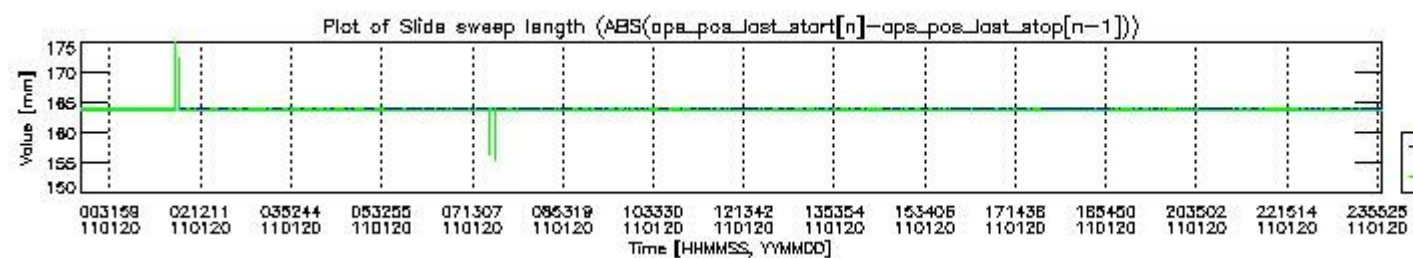
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110120\_4.PNG



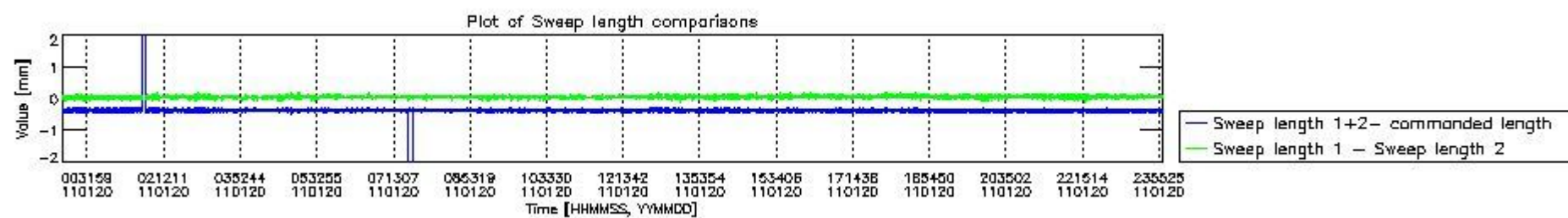
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110120\_5.PNG



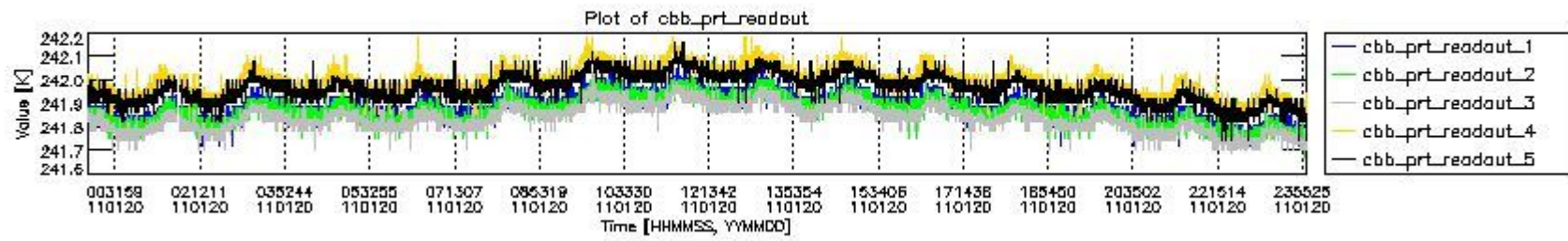
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110120\_6.PNG



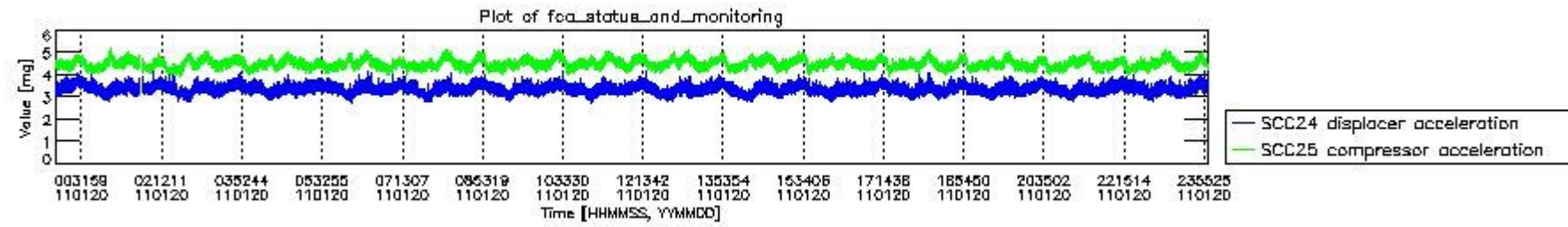
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110120\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110120\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110120\_9.PNG



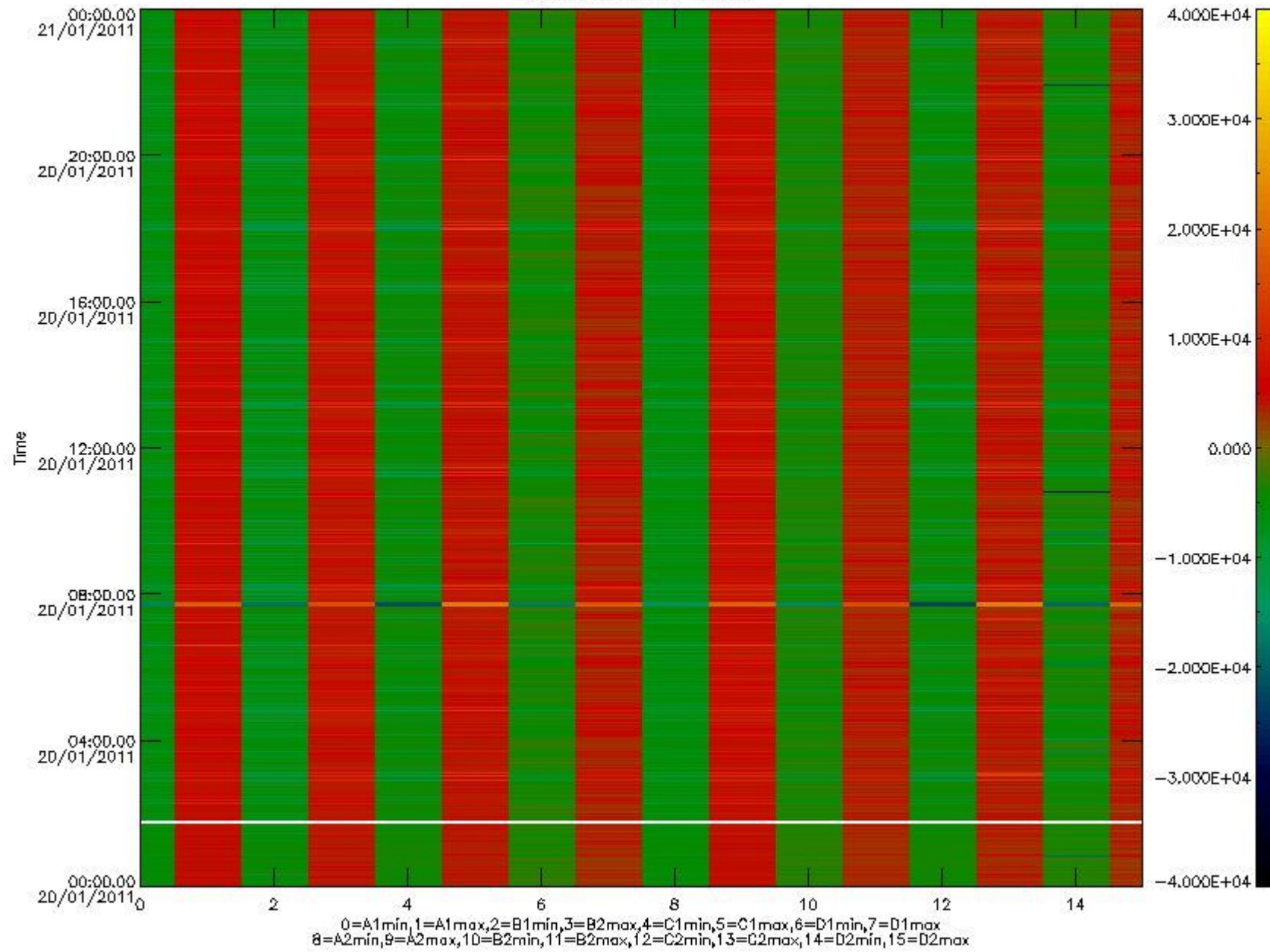
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110120\_10.PNG

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

Channel	Min	Max	ADC
A1	-17625	18680	16bit
B1	-19007	16537	16bit
C1	-23686	22048	16bit
D1	-23196	32767	16bit
A2	-15280	18767	16bit
B2	-17066	16760	16bit
C2	-23185	23912	16bit
D2	-32768	27065	16bit



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



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110120\_11.PNG

### 0.3 ADF monitoring

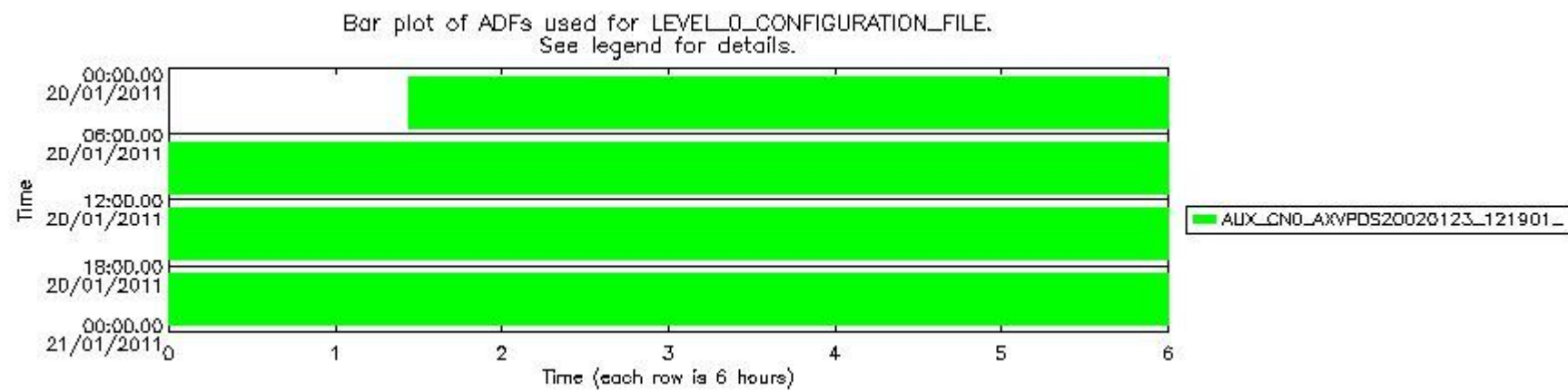
The use of ADFs is shown in two ways:

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.

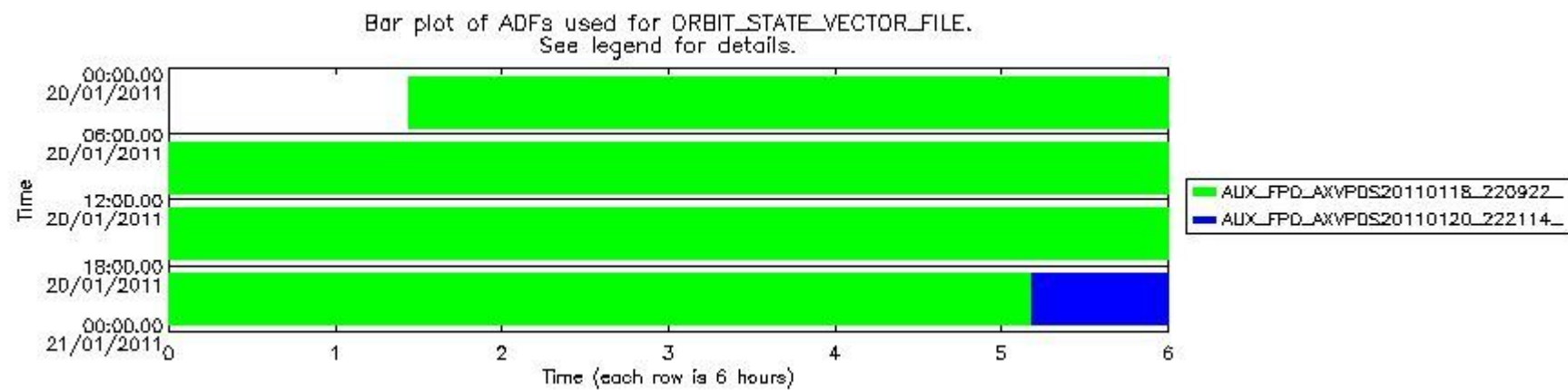
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110118_220922_20110118_193607_20110128_200945
2	AUX_FPO_AXVPDS20110120_222114_20110119_185923_20110129_211315

Number	Product name	#CN0	#FPO
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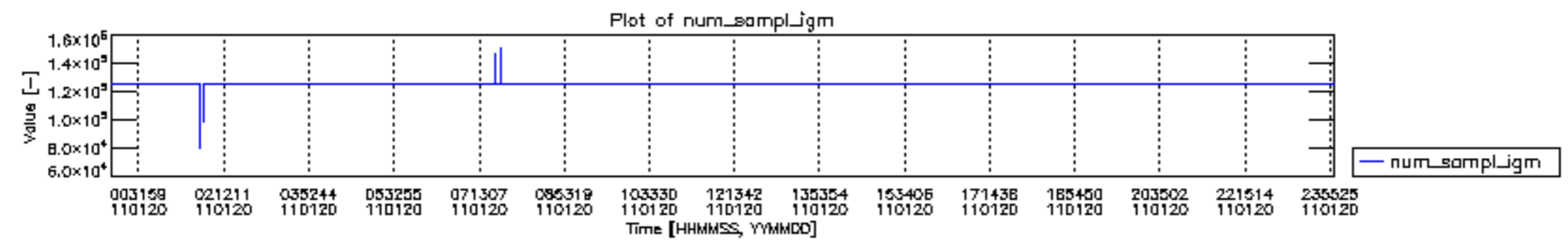
0	MIP_NL__0PNPDE20110120_012621_000043933098_00347_46482_2751.N1	0	1
1	MIP_NL__0PNPDE20110120_023901_000061693098_00348_46483_2752.N1	0	1
2	MIP_NL__0PNPDE20110120_042118_000060753098_00349_46484_2753.N1	0	1
3	MIP_NL__0PNPDK20110120_060200_000040343098_00350_46485_4067.N1	0	1
4	MIP_NL__0PNPDK20110120_070816_000061623098_00351_46486_4068.N1	0	1
5	MIP_NL__0PNPDK20110120_084920_000060463098_00352_46487_4069.N1	0	1
6	MIP_NL__0PNPDK20110120_102827_000060583098_00353_46488_4070.N1	0	1
7	MIP_NL__0PNPDK20110120_120756_000059713098_00354_46489_4071.N1	0	1
8	MIP_NL__0PNPDK20110120_134552_000059733098_00355_46490_4072.N1	0	1
9	MIP_NL__0PNPDK20110120_152425_000059693098_00356_46491_4073.N1	0	1
10	MIP_NL__0PNPDK20110120_170309_000057973098_00357_46492_4074.N1	0	1
11	MIP_NL__0PNPDK20110120_183819_000059853098_00358_46493_4075.N1	0	1
12	MIP_NL__0PNPDE20110120_201624_000045023098_00359_46494_2754.N1	0	1
13	MIP_NL__0PNPDE20110120_212956_000061113098_00359_46494_2755.N1	0	1
14	MIP_NL__0PNPDE20110120_231038_000062013098_00360_46495_2756.N1	0	2

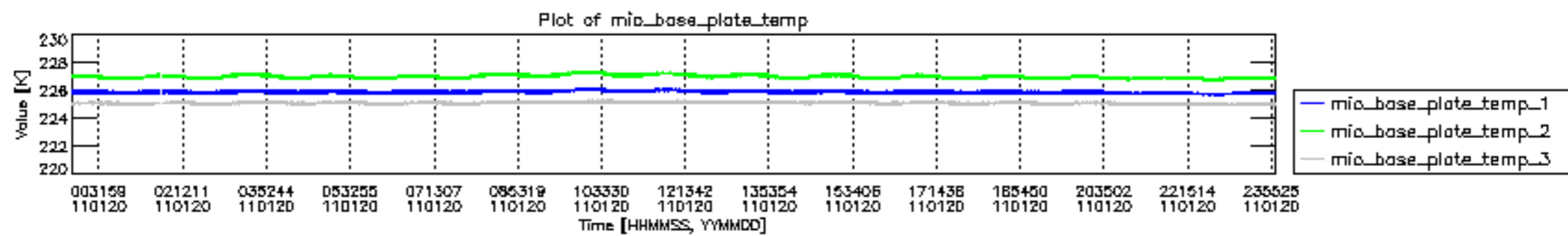


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110120\_12.PNG

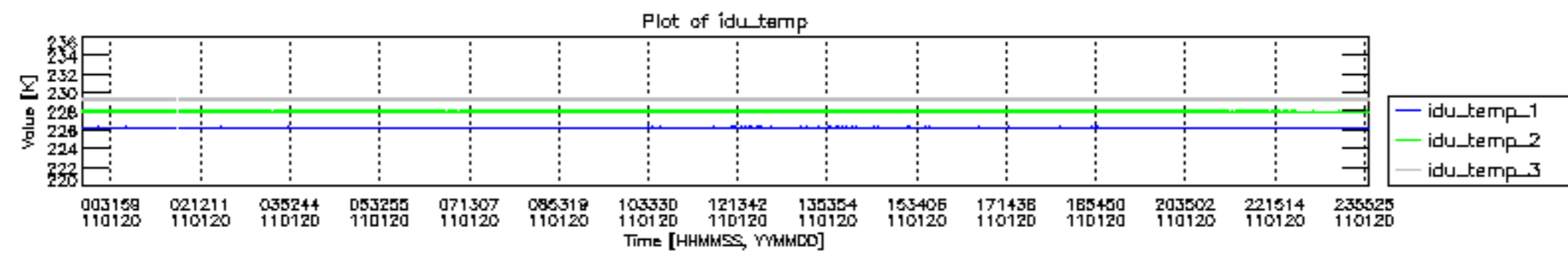


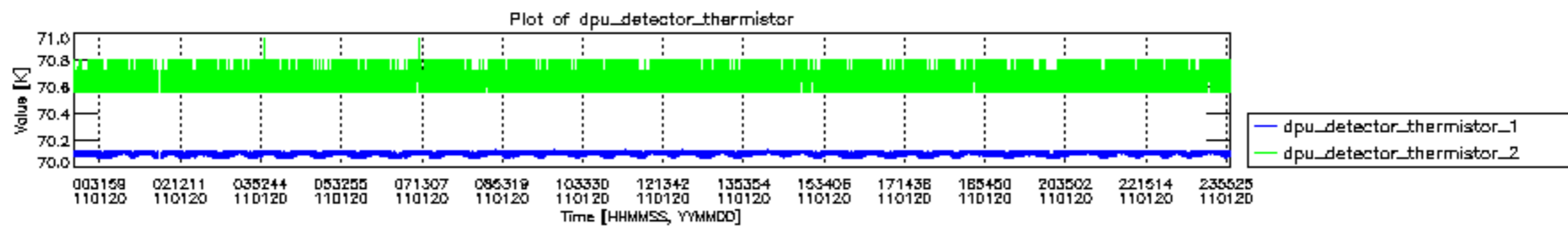
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110120\_13.PNG

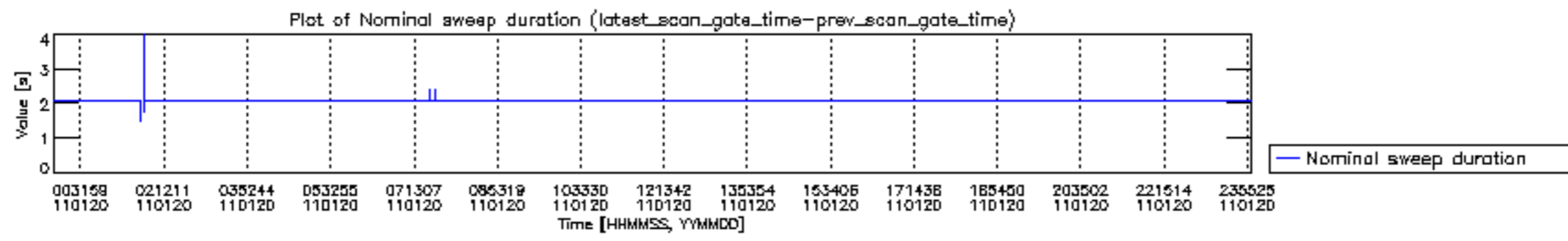


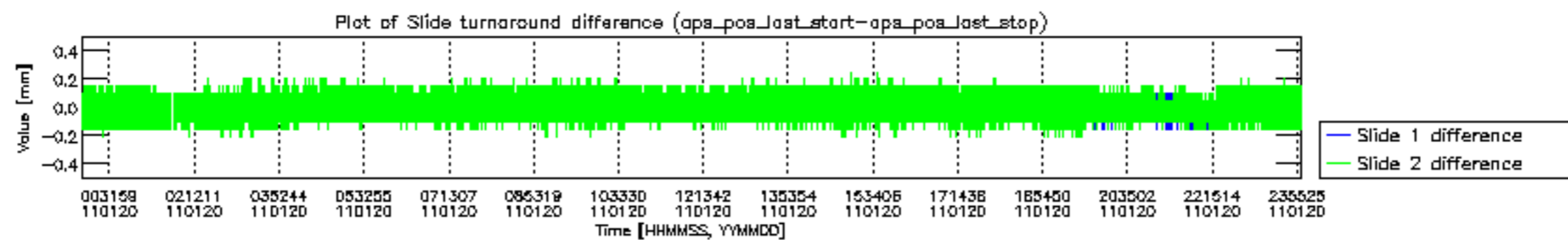


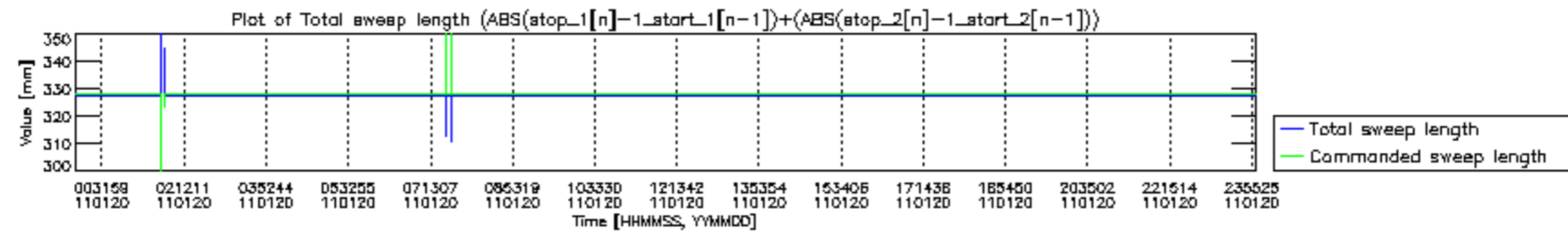




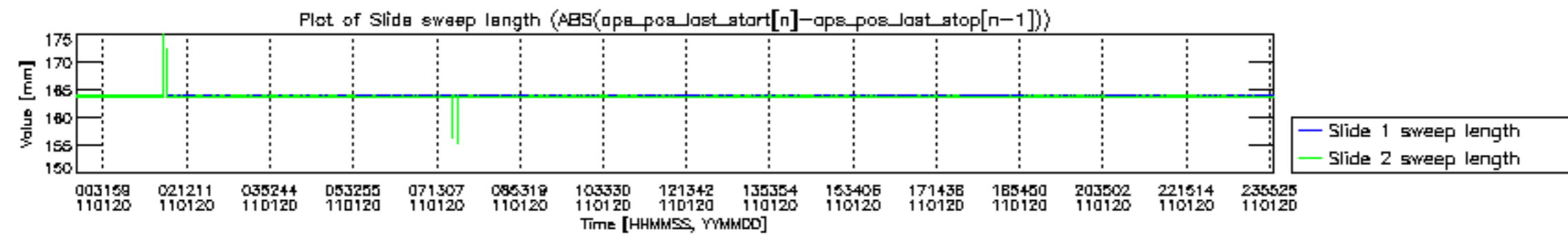


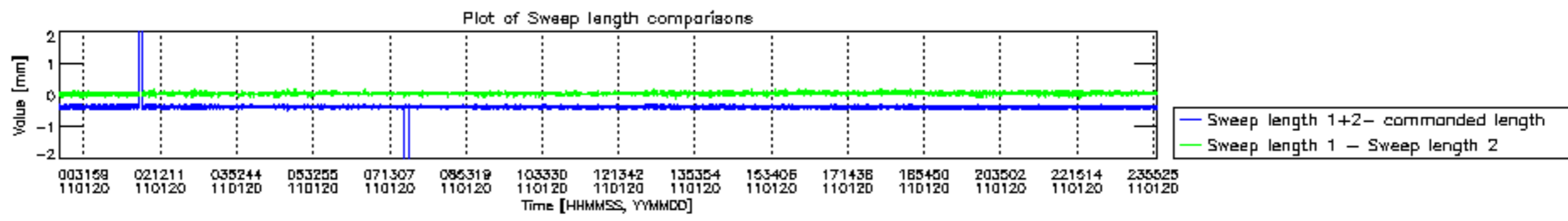


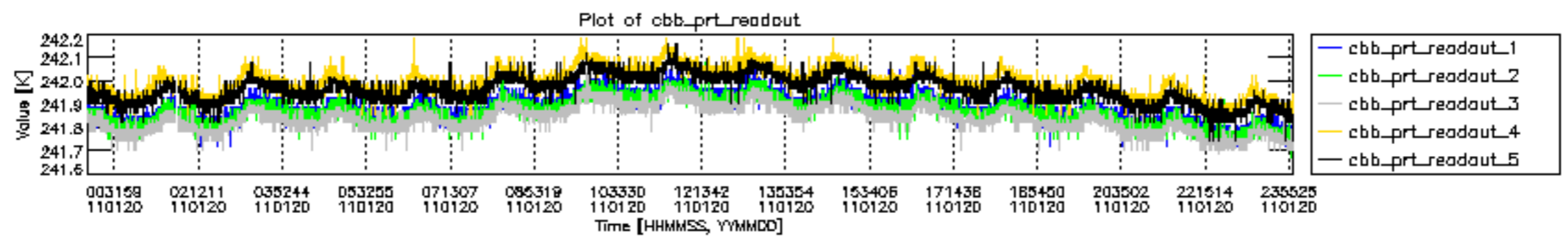


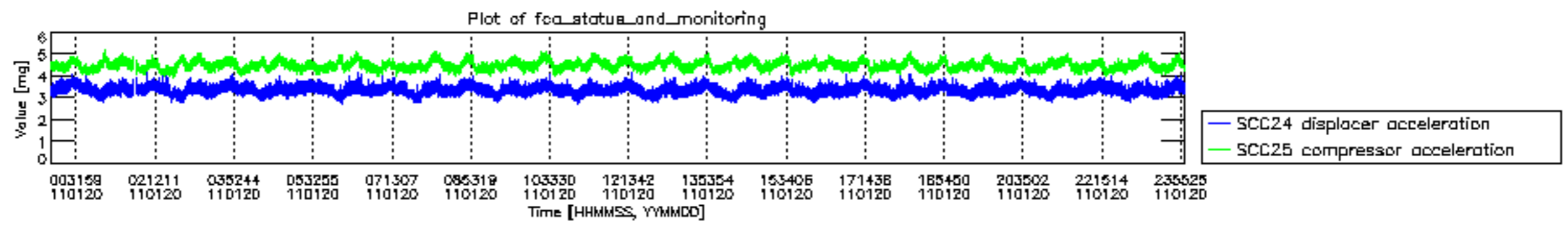












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

