

## 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	21MAR2011 05:23:21
Data source version	KSPT_L0/4504-N
Processing scope for products	16MAR2011 00:00:00 to 17MAR2011 00:00:00
Start time of first product within scope	16MAR2011 01:13:21
Stop time of last product within scope	17MAR2011 00:38:25
Total number of level 0 products	14
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__OPNPDE20110316_011321_000102613100_00275_47272_3117.N1	16MAR2011 01:13:21	16MAR2011 04:04:22	0	0	0	0	0
1	MIP_NL__OPNPDE20110316_015557_000077043100_00276_47273_3120.N1	16MAR2011 01:55:57	16MAR2011 04:04:22	0	0	0	0	0
2	MIP_NL__OPNPDE20110316_040348_000061613100_00277_47274_3118.N1	16MAR2011 04:03:48	16MAR2011 05:46:29	0	0	0	0	0
3	MIP_NL__OPNPDE20110316_054557_000061563100_00278_47275_3119.N1	16MAR2011 05:45:57	16MAR2011 07:28:34	0	0	0	0	0
4	MIP_NL__OPNPDK20110316_072800_000039573100_00279_47276_4576.N1	16MAR2011 07:28:00	16MAR2011 08:33:57	0	0	0	0	0
5	MIP_NL__OPNPDK20110316_083324_000060963100_00280_47277_4577.N1	16MAR2011 08:33:24	16MAR2011 10:14:59	0	0	0	0	0
6	MIP_NL__OPNPDK20110316_115415_000058563100_00282_47279_4579.N1	16MAR2011 11:54:15	16MAR2011 13:31:51	0	0	0	0	0
7	MIP_NL__OPNPDK20110316_133017_000060443100_00283_47280_4580.N1	16MAR2011 13:30:17	16MAR2011 15:11:00	0	0	0	0	0
8	MIP_NL__OPNPDK20110316_150954_000059183100_00284_47281_4581.N1	16MAR2011 15:09:54	16MAR2011 16:48:32	0	0	0	0	0
9	MIP_NL__OPNPDK20110316_164733_000058283100_00285_47282_4582.N1	16MAR2011 16:47:33	16MAR2011 18:24:42	0	0	0	0	0
10	MIP_NL__OPNPDK20110316_182354_000060773100_00286_47283_4583.N1	16MAR2011 18:23:54	16MAR2011 20:05:11	0	0	0	0	0
11	MIP_NL__OPNPDE20110316_200330_000040343100_00287_47284_3121.N1	16MAR2011 20:03:30	16MAR2011 21:10:44	0	0	0	0	0
12	MIP_NL__OPNPDE20110316_210944_000064073100_00287_47284_3122.N1	16MAR2011 21:09:44	16MAR2011 22:56:31	0	0	0	0	0
13	MIP_NL__OPNPDE20110316_225530_000061753100_00288_47285_3123.N1	16MAR2011 22:55:30	17MAR2011 00:38:25	0	0	0	0	0

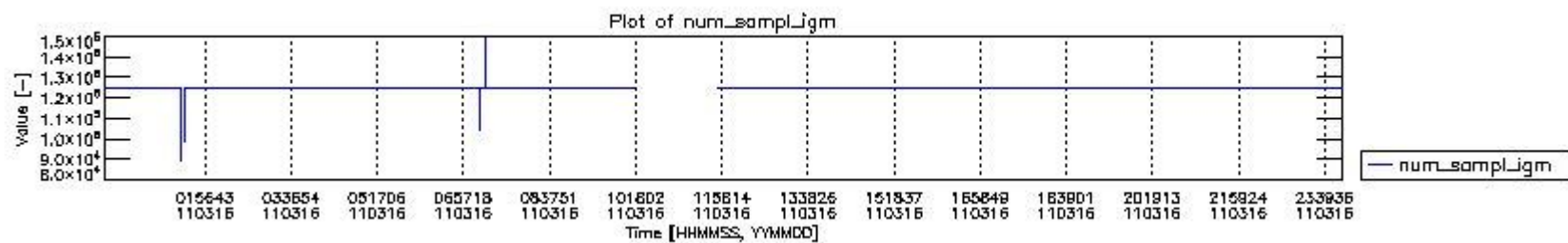
## 0.2 Instrument Operational Performance Parameters

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.

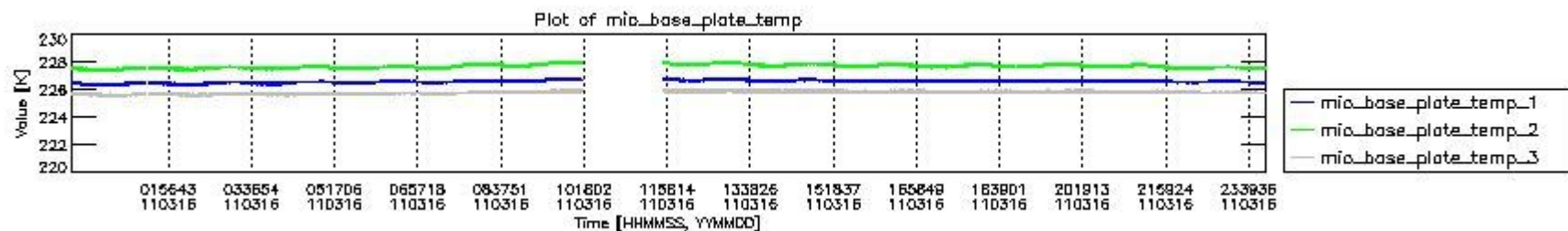
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
89136	1	0.0025887957
96902	1	0.0025887957
98847	1	0.0025887957
104004	1	0.0025887957

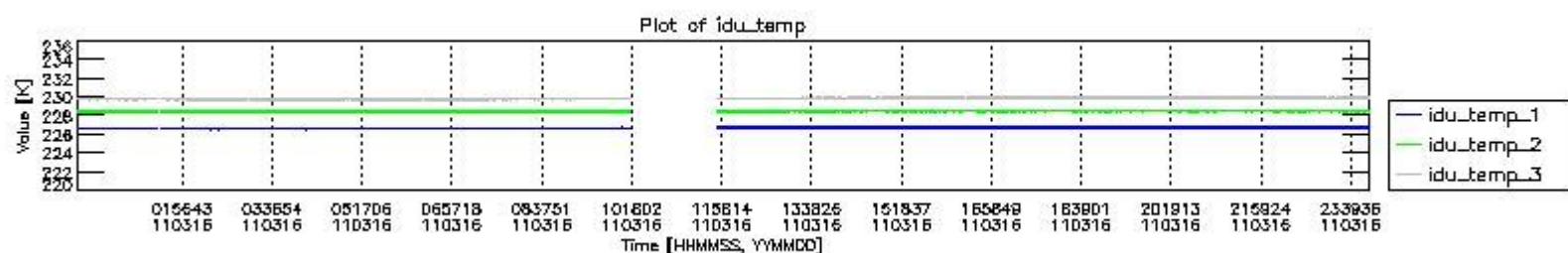
104336	1	0.0025887957
117034	1	0.0025887957
123398	1	0.0025887957
124099	1	0.0025887957
124468	1	0.0025887957
124800	35910	92.963653
124803	2706	7.0052811
127085	1	0.0025887957
147217	1	0.0025887957
149502	1	0.0025887957



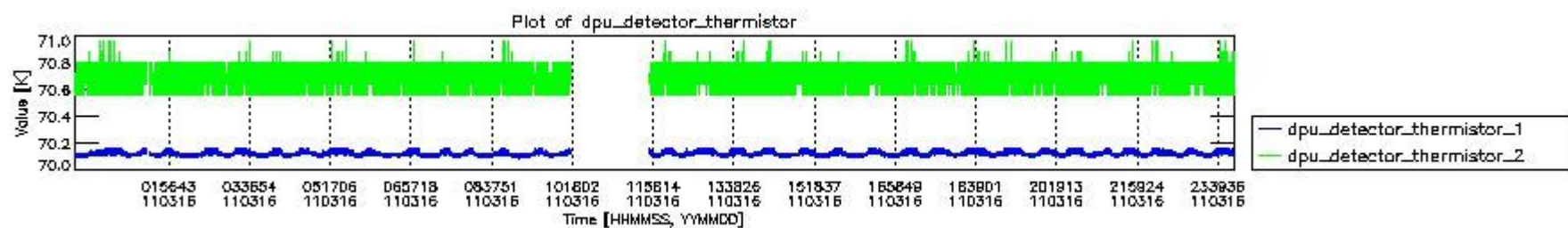
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110316\_0.PNG



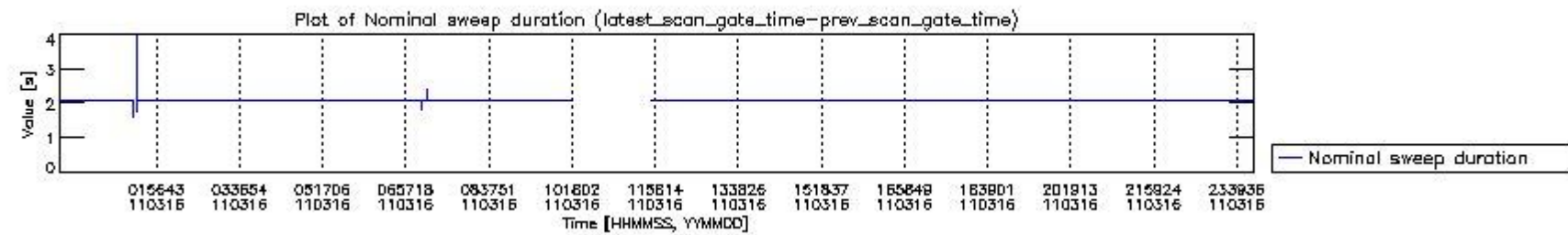
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110316\_1.PNG



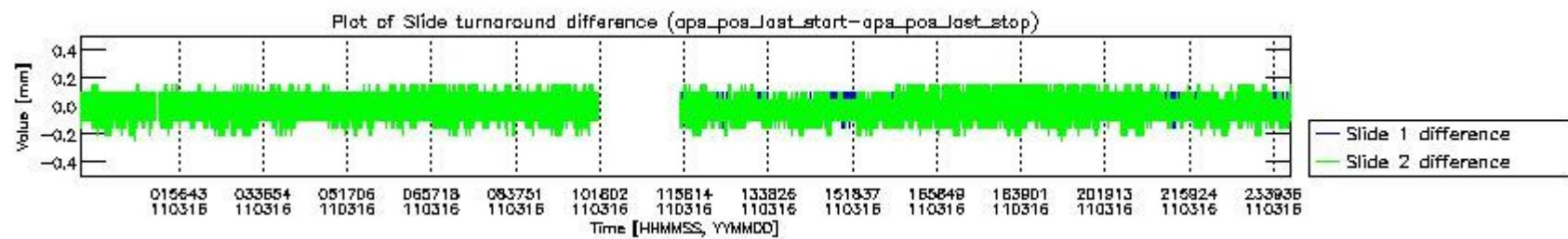
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110316\_2.PNG



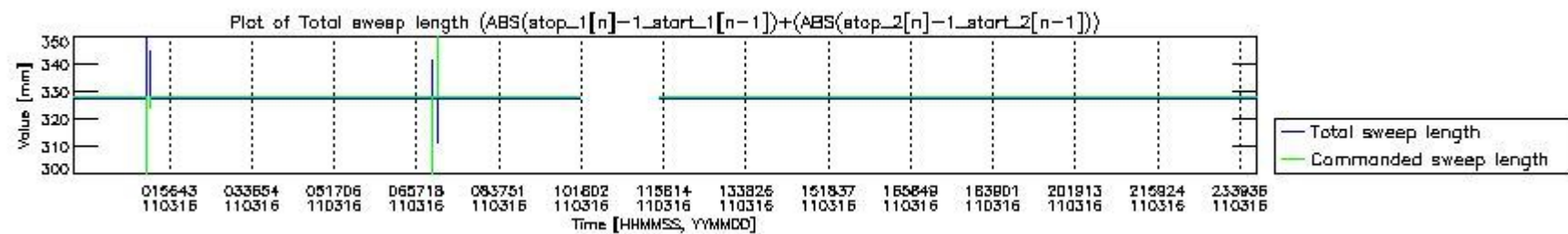
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110316\_3.PNG



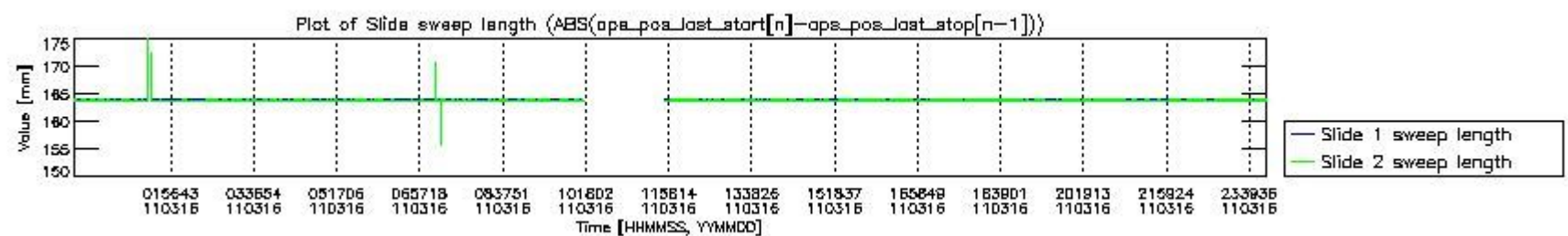
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110316\_4.PNG



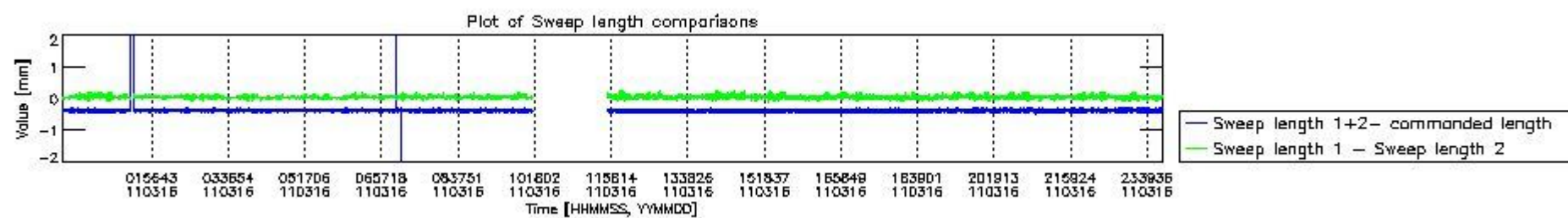
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110316\_5.PNG



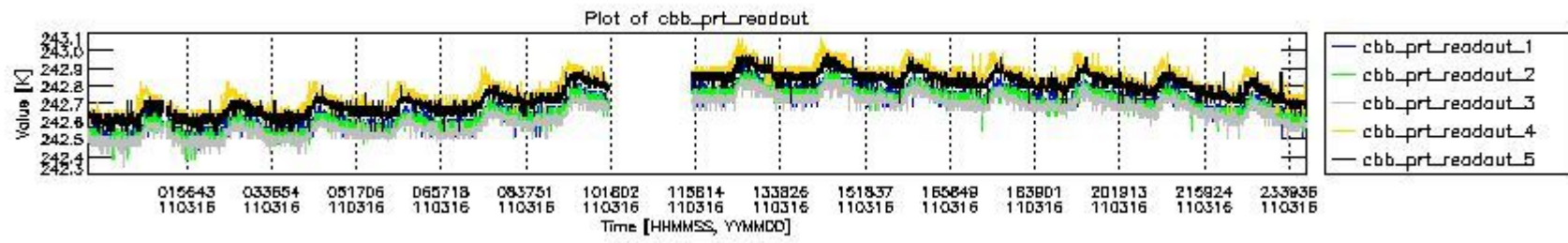
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110316\_6.PNG



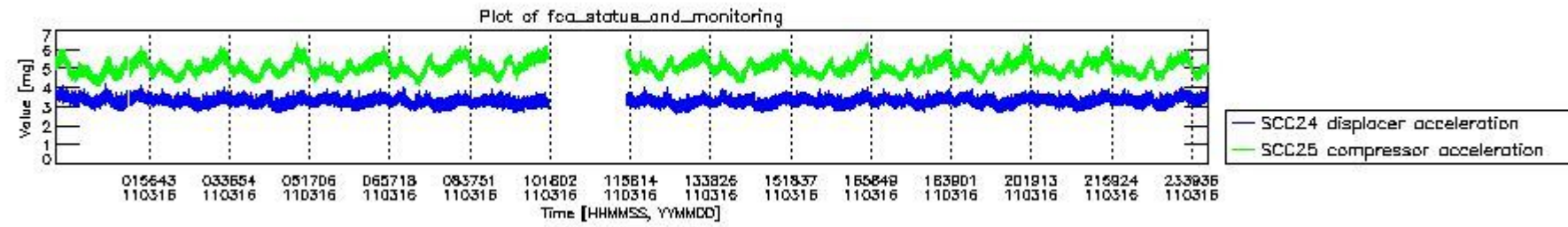
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110316\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110316\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110316\_9.PNG

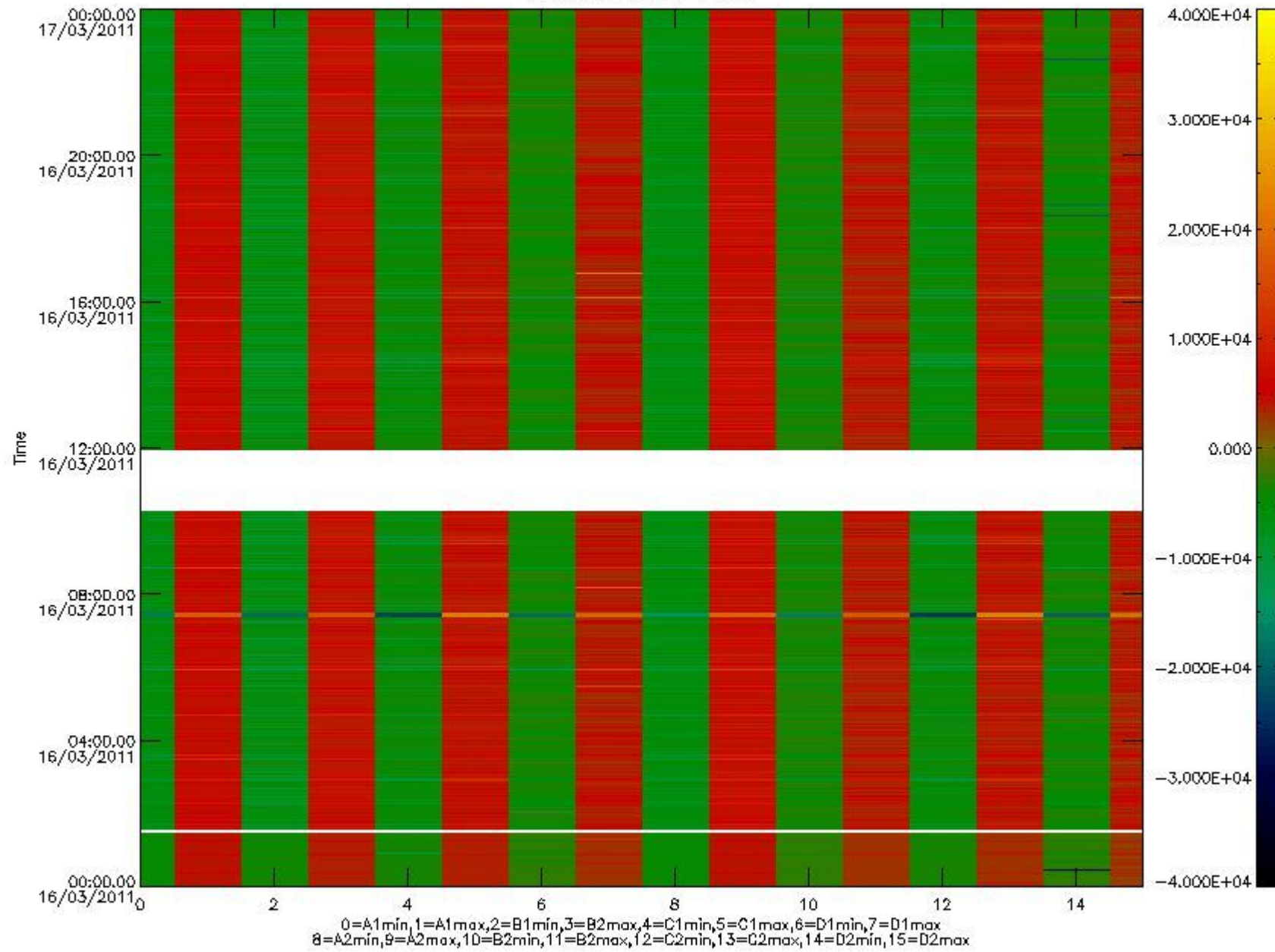


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110316\_10.PNG

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

Channel	Min	Max	ADC
A1	-17598	18637	16bit
B1	-19308	16761	16bit
C1	-23961	22678	16bit
D1	-31565	32767	16bit
A2	-15271	18775	16bit
B2	-17451	17126	16bit
C2	-23826	23321	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\_20110316\_11.PNG

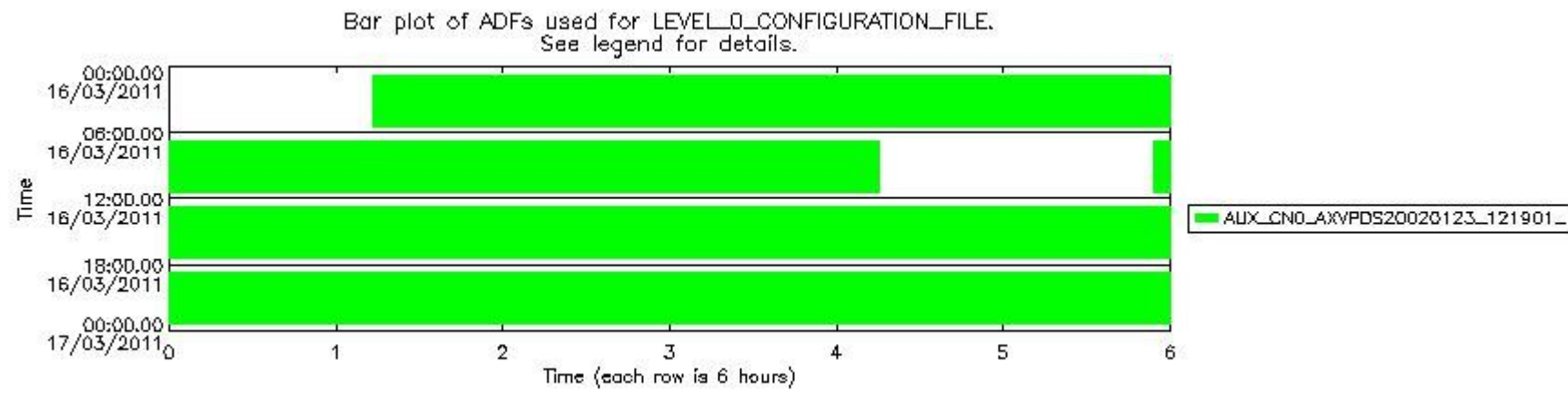
### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

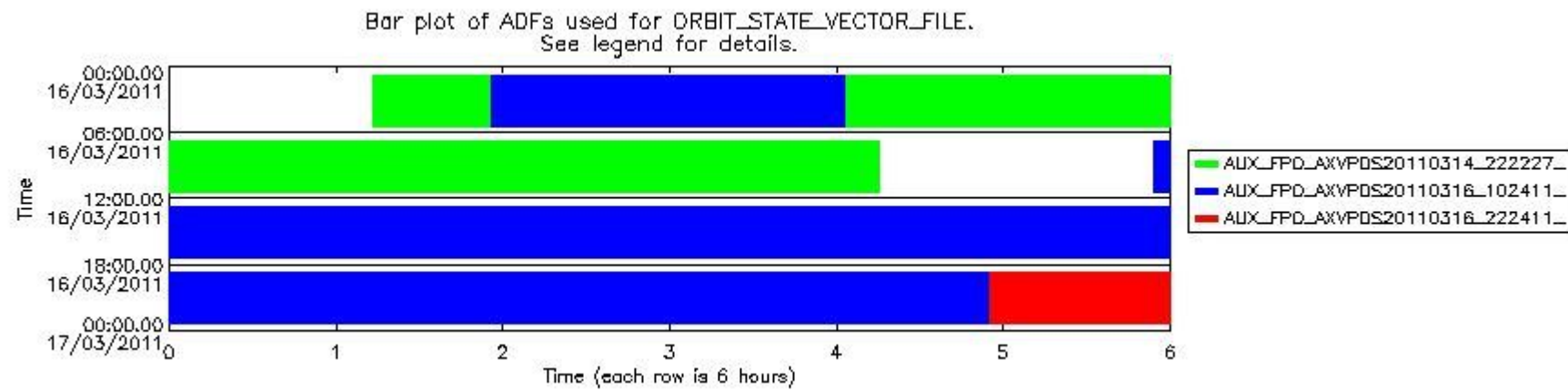
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110314_222227_20110314_192032_20110324_213421
2	AUX_FPO_AXVPDS20110316_102411_20110315_184347_20110325_205737
3	AUX_FPO_AXVPDS20110316_222411_20110316_094553_20110326_115943

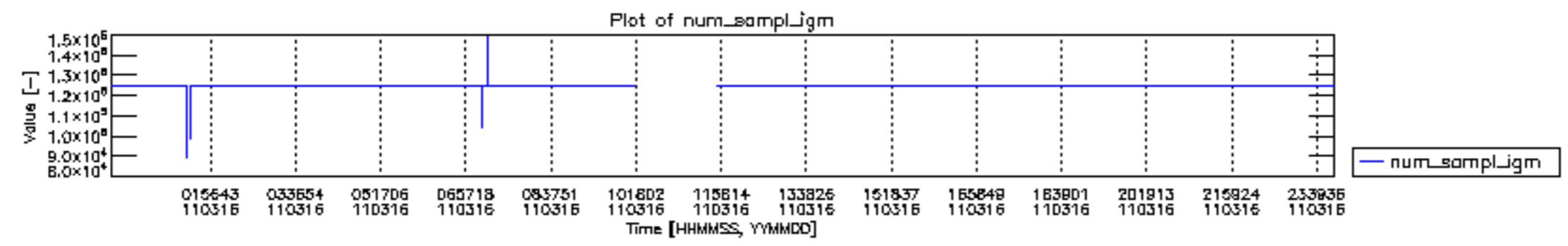
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110316_011321_000102613100_00275_47272_3117.N1	0	1
1	MIP_NL__0PNPDE20110316_015557_000077043100_00276_47273_3120.N1	0	2
2	MIP_NL__0PNPDE20110316_040348_000061613100_00277_47274_3118.N1	0	1
3	MIP_NL__0PNPDE20110316_054557_000061563100_00278_47275_3119.N1	0	1
4	MIP_NL__0PNPDK20110316_072800_000039573100_00279_47276_4576.N1	0	1
5	MIP_NL__0PNPDK20110316_083324_000060963100_00280_47277_4577.N1	0	1
6	MIP_NL__0PNPDK20110316_115415_000058563100_00282_47279_4579.N1	0	2
7	MIP_NL__0PNPDK20110316_133017_000060443100_00283_47280_4580.N1	0	2
8	MIP_NL__0PNPDK20110316_150954_000059183100_00284_47281_4581.N1	0	2
9	MIP_NL__0PNPDK20110316_164733_000058283100_00285_47282_4582.N1	0	2
10	MIP_NL__0PNPDK20110316_182354_000060773100_00286_47283_4583.N1	0	2
11	MIP_NL__0PNPDE20110316_200330_000040343100_00287_47284_3121.N1	0	2
12	MIP_NL__0PNPDE20110316_210944_000064073100_00287_47284_3122.N1	0	2
13	MIP_NL__0PNPDE20110316_225530_000061753100_00288_47285_3123.N1	0	3

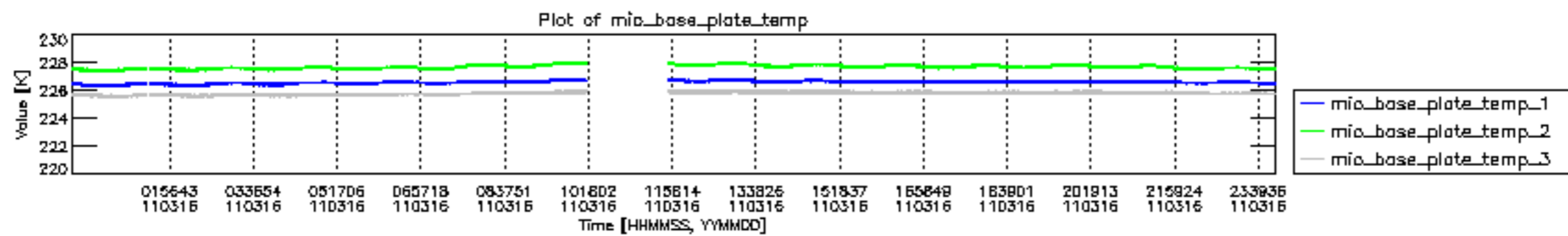


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110316\_12.PNG

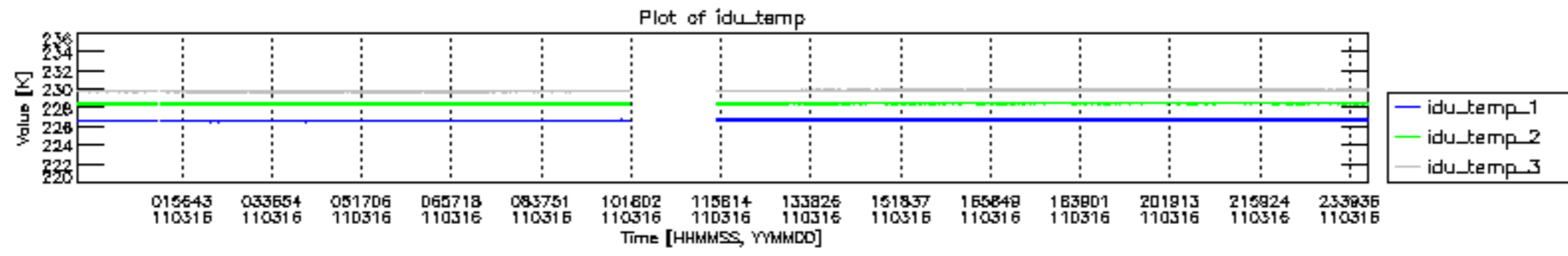


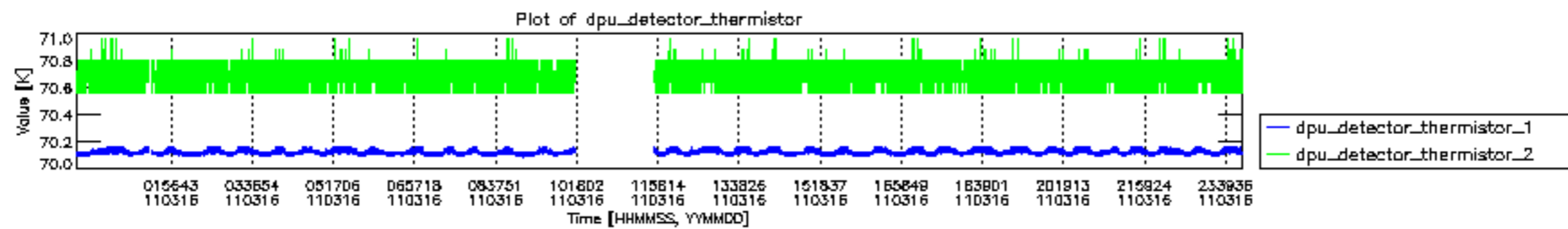
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110316\_13.PNG

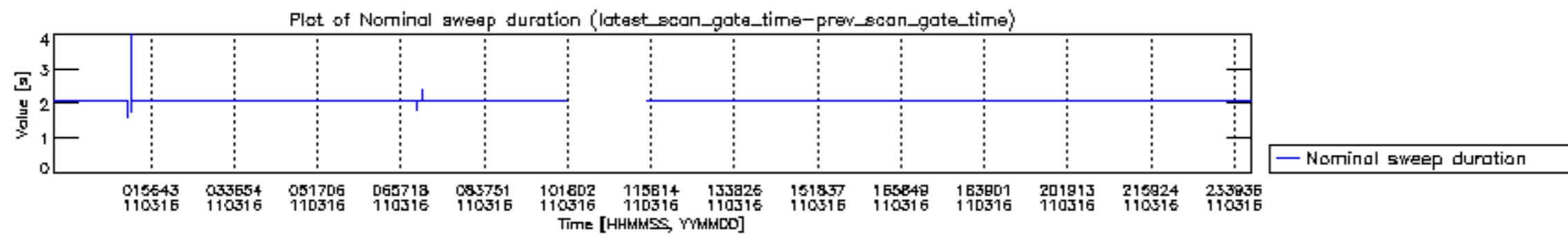


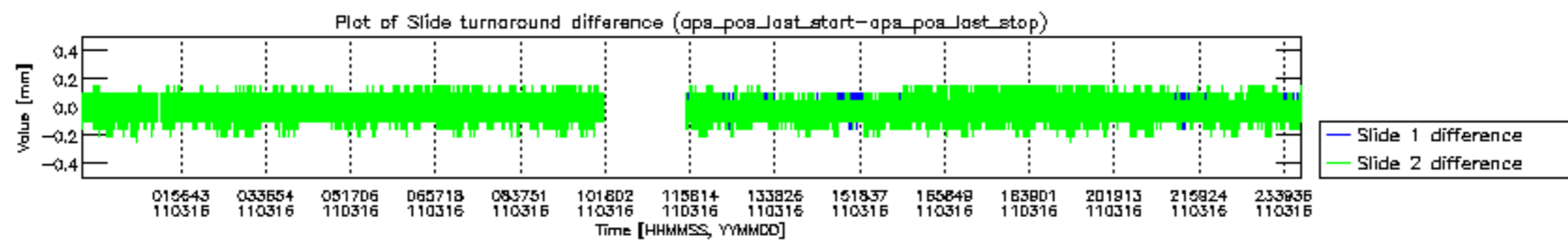


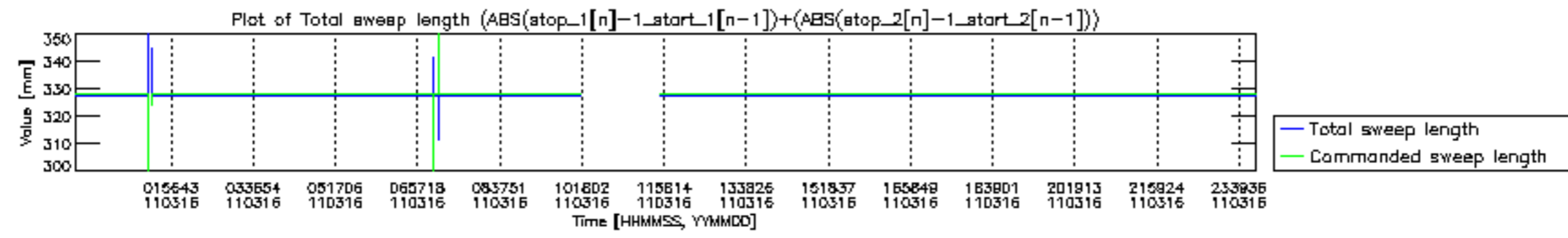


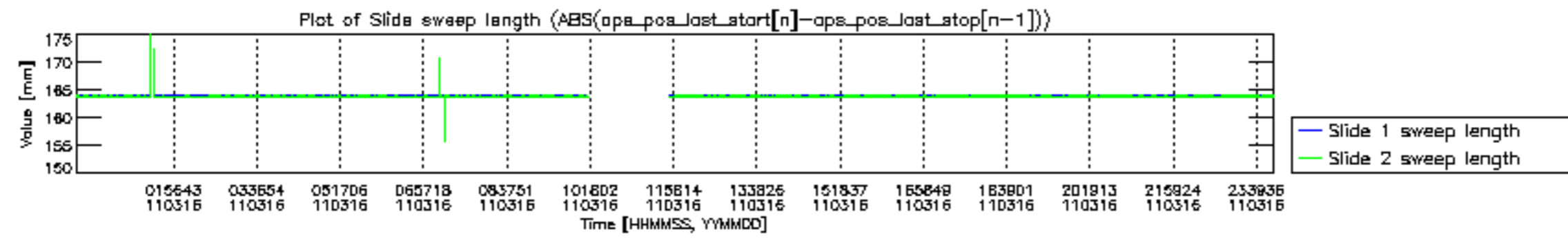


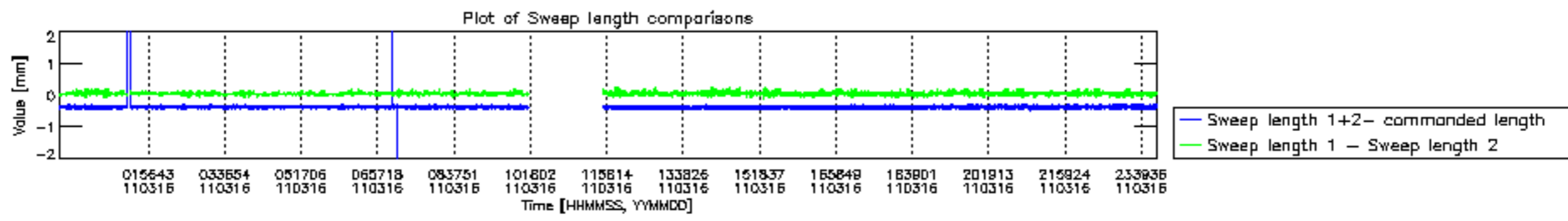


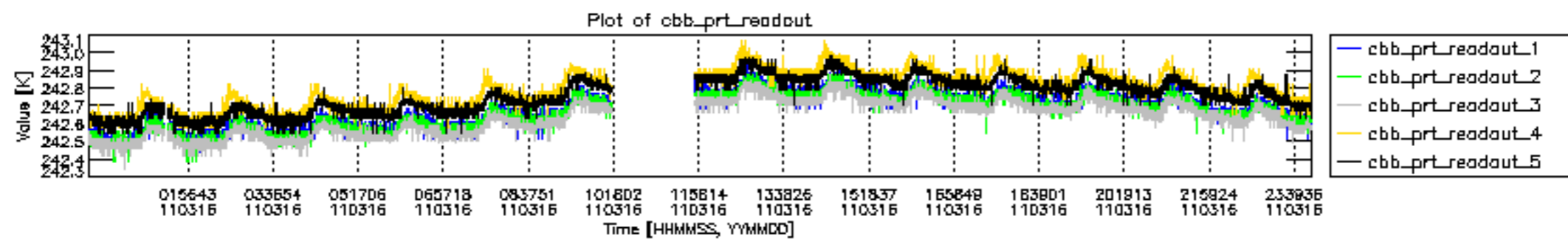




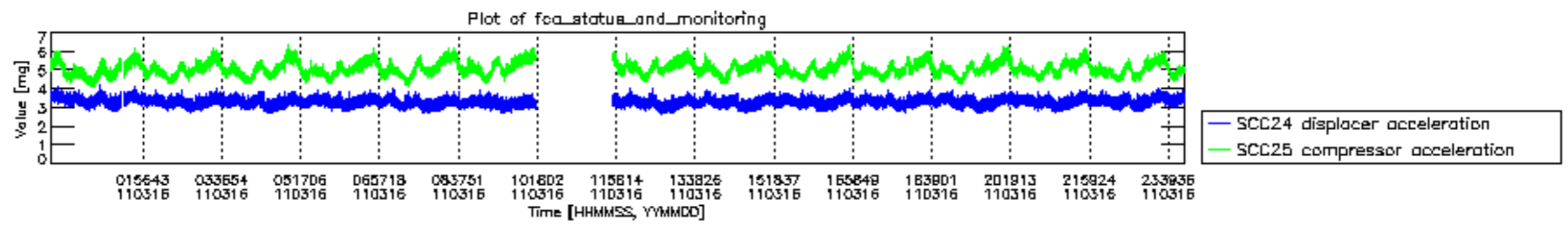












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

