

## 0. MIPAS Daily Report for level 0 products

### [0.1 General Info](#)

### [0.2 Instrument Operational Performance Parameters](#)

### [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	20MAR2012 05:24:12
Data source version	KSPT_L0/4504-N
Processing scope for products	15MAR2012 00:00:00 to 16MAR2012 00:00:00
Start time of first product within scope	15MAR2012 01:31:10
Stop time of last product within scope	16MAR2012 00:58:24
Total number of level 0 products	10
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__0PNPDE20120315_013110_000010543112_00347_52516_1226.N1	15MAR2012 01:31:10	15MAR2012 01:48:44	0	0	0	0	0
1	MIP_NL__0PNPDK20120315_072114_000056923112_00351_52520_8935.N1	15MAR2012 07:21:14	15MAR2012 08:56:07	0	0	0	0	0
2	MIP_NL__0PNPDK20120315_085531_000060193112_00352_52521_8936.N1	15MAR2012 08:55:31	15MAR2012 10:35:50	0	0	0	0	0
3	MIP_NL__0PNPDK20120315_103504_000059013112_00353_52522_8937.N1	15MAR2012 10:35:04	15MAR2012 12:13:25	0	0	0	0	0
4	MIP_NL__0PNPDK20120315_121206_000059583112_00354_52523_8938.N1	15MAR2012 12:12:06	15MAR2012 13:51:24	0	0	0	0	0
5	MIP_NL__0PNPDK20120315_170734_000058813112_00357_52526_8941.N1	15MAR2012 17:07:34	15MAR2012 18:45:34	0	0	0	0	0
6	MIP_NL__0PNPDK20120315_184440_000060443112_00358_52527_8942.N1	15MAR2012 18:44:40	15MAR2012 20:25:24	0	0	0	0	0
7	MIP_NL__0PNPDE20120315_202339_000043413112_00359_52528_1227.N1	15MAR2012 20:23:39	15MAR2012 21:36:00	0	0	0	0	0
8	MIP_NL__0PNPDE20120315_213500_000060883112_00359_52528_1228.N1	15MAR2012 21:35:00	15MAR2012 23:16:27	0	0	0	0	0
9	MIP_NL__0PNPDE20120315_231523_000061823112_00360_52529_1229.N1	15MAR2012 23:15:23	16MAR2012 00:58:24	0	0	0	0	0

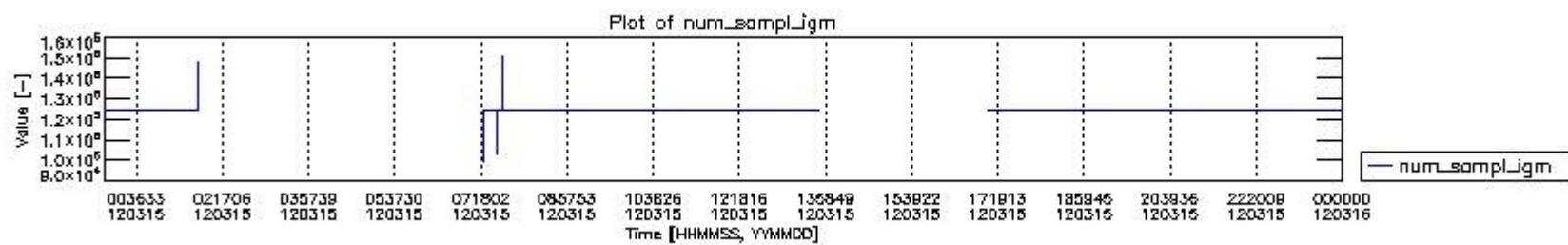
## 0.2 Instrument Operational Performance Parameters

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.

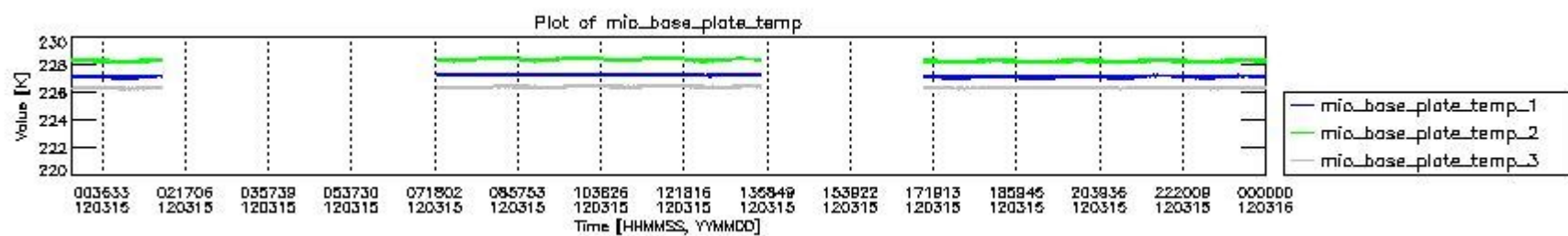
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
99219	1	0.0038019922
102964	1	0.0038019922
103816	1	0.0038019922
123948	1	0.0038019922
124142	1	0.0038019922
124471	1	0.0038019922
124800	24446	92.943502
124803	1844	7.0108737

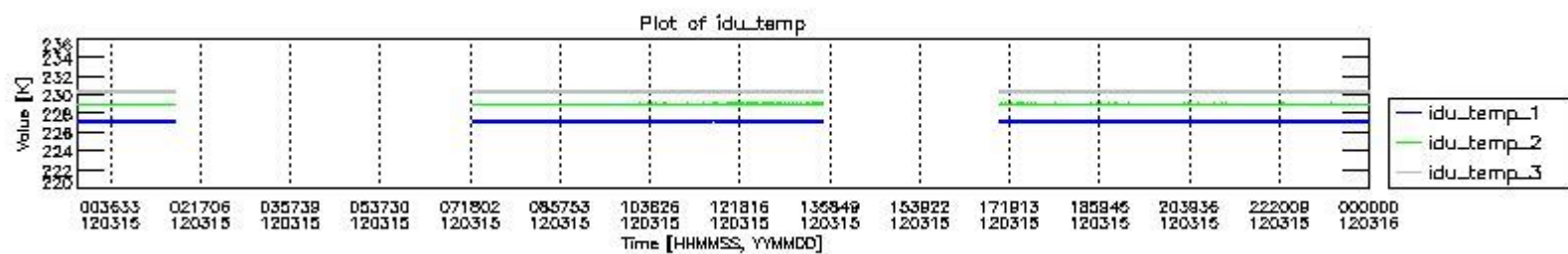
126415	1	0.0038019922
127456	1	0.0038019922
146547	1	0.0038019922
147588	1	0.0038019922
148162	1	0.0038019922
150244	1	0.0038019922



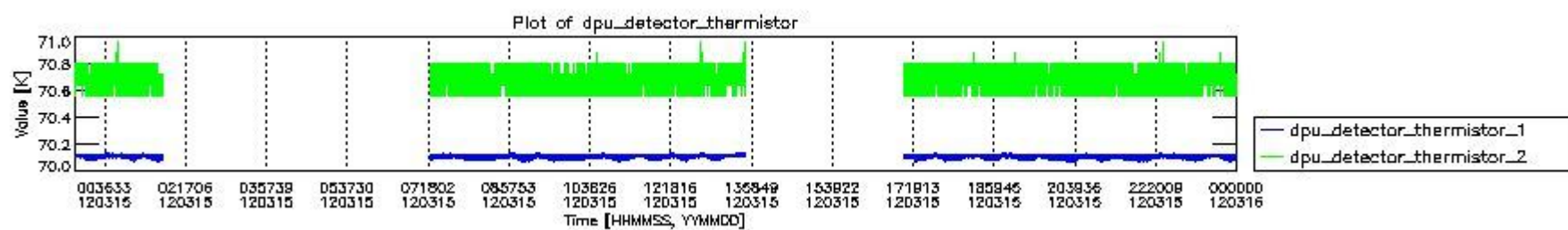
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120315\_0.PNG



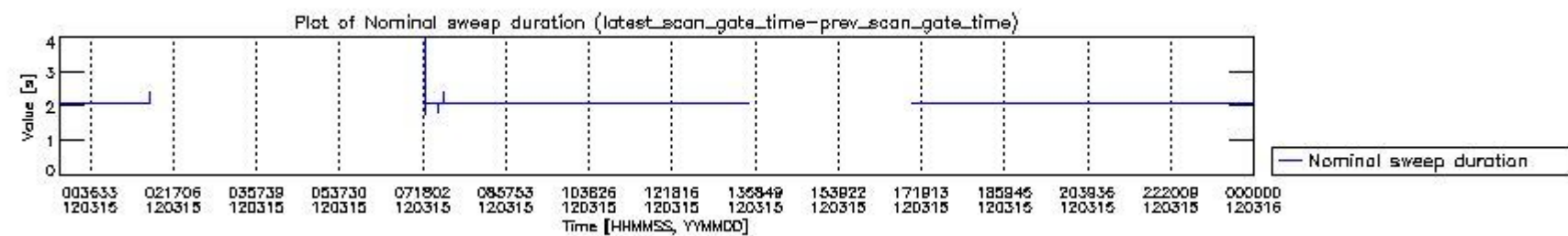
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120315\_1.PNG



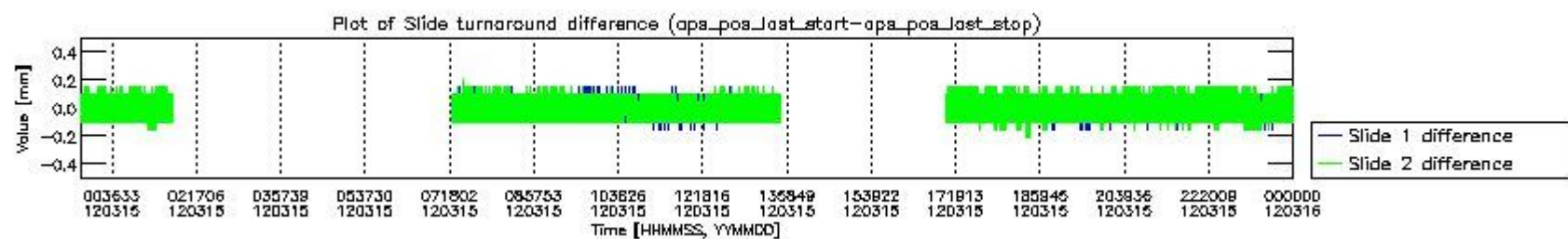
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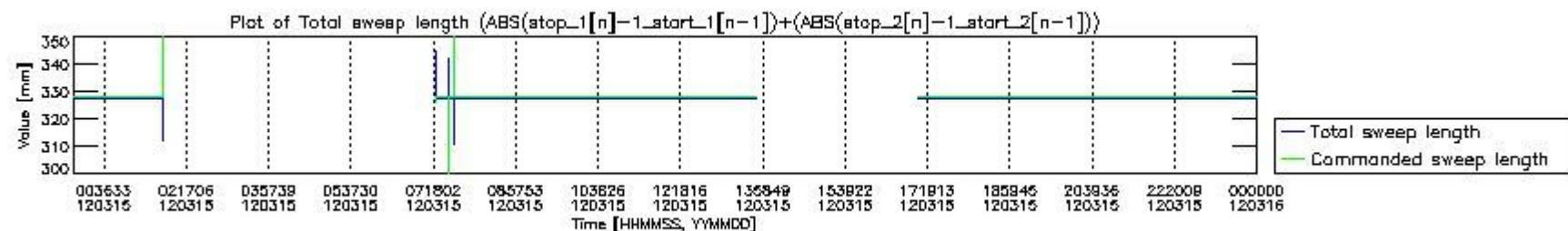
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120315\_3.PNG



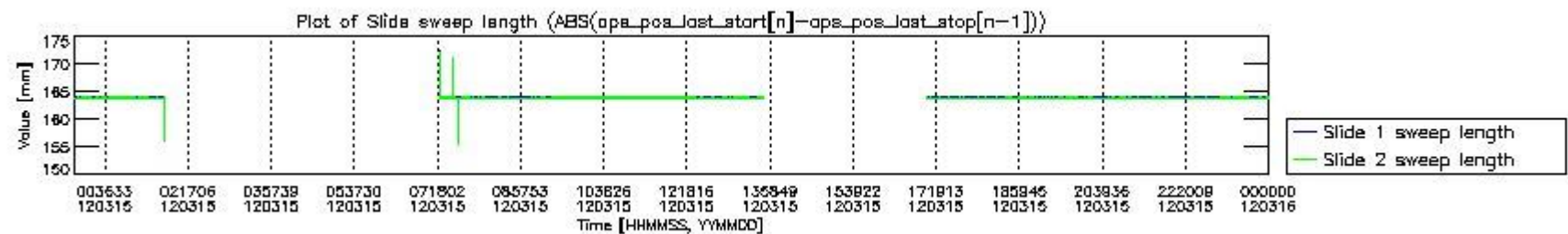
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120315\_4.PNG



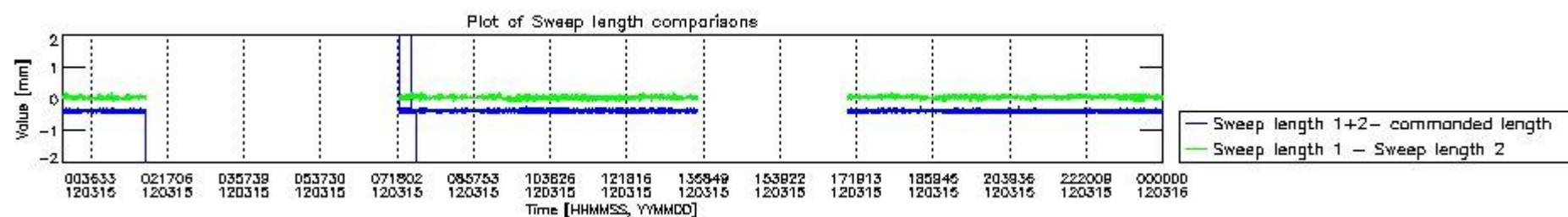
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120315\_5.PNG



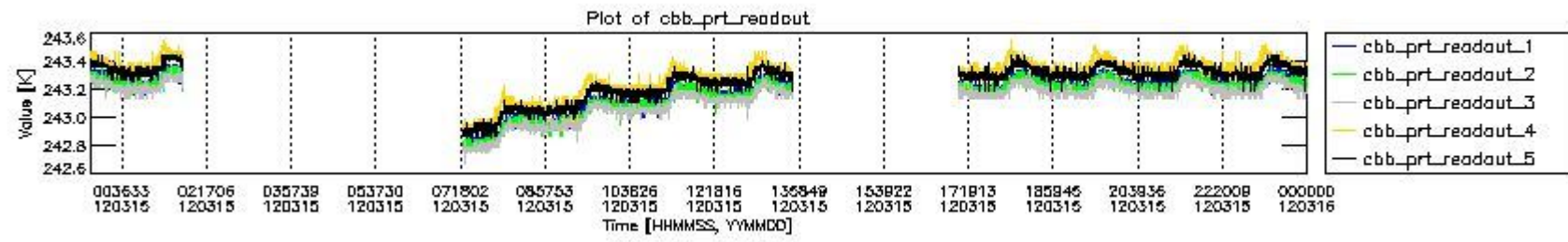
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120315\_6.PNG



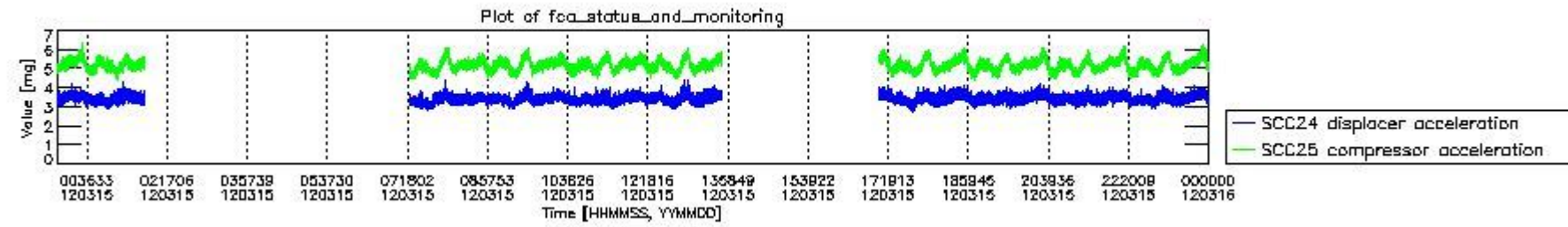
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120315\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120315\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120315\_9.PNG



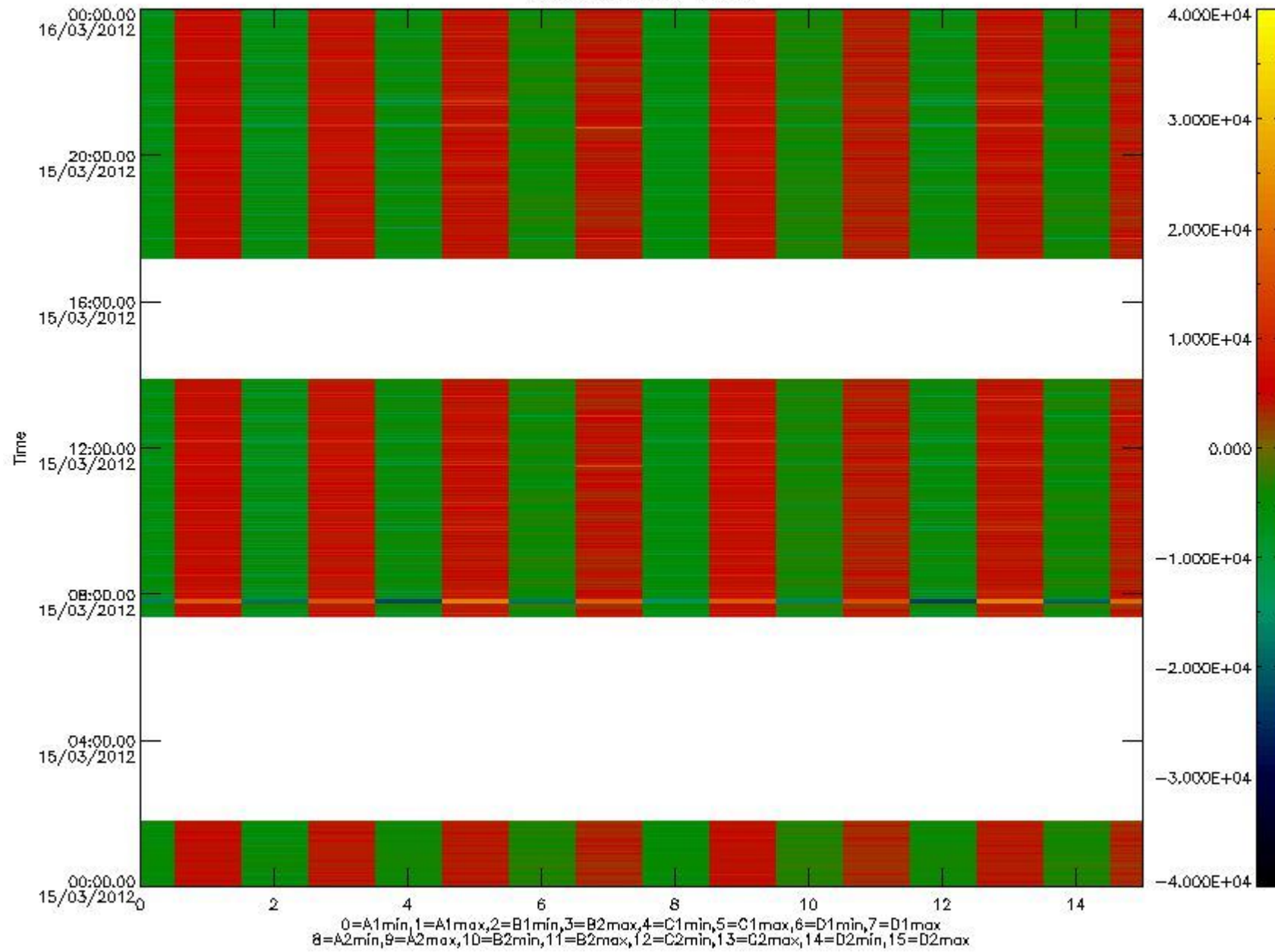
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120315\_10.PNG

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

Channel	Min	Max	ADC
A1	-17285	18238	16bit
B1	-19301	16784	16bit
C1	-24733	22960	16bit
D1	-29981	32767	16bit
A2	-15098	18487	16bit
B2	-17026	16850	16bit
C2	-24052	23641	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\_20120315\_11.PNG

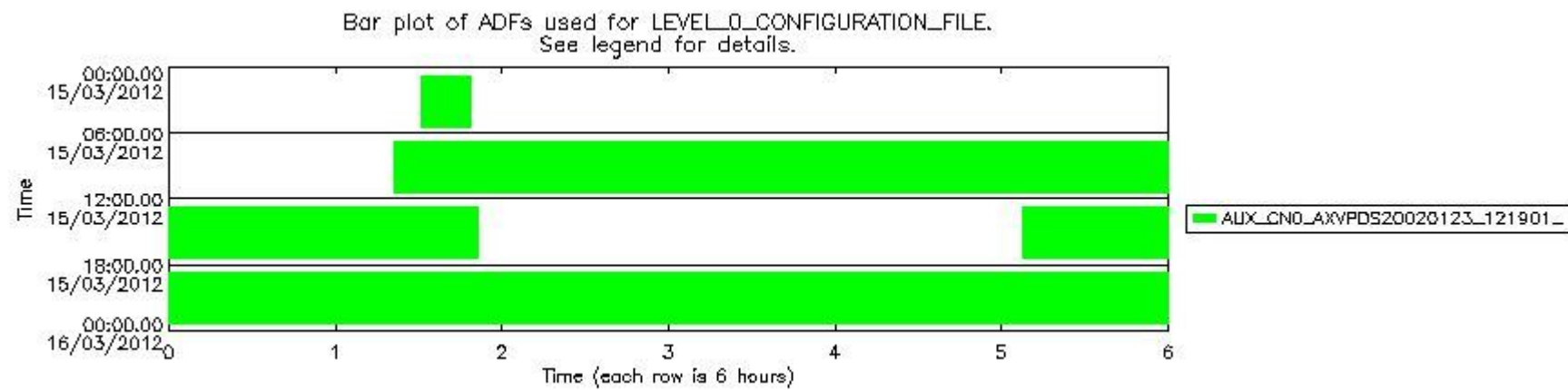
### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

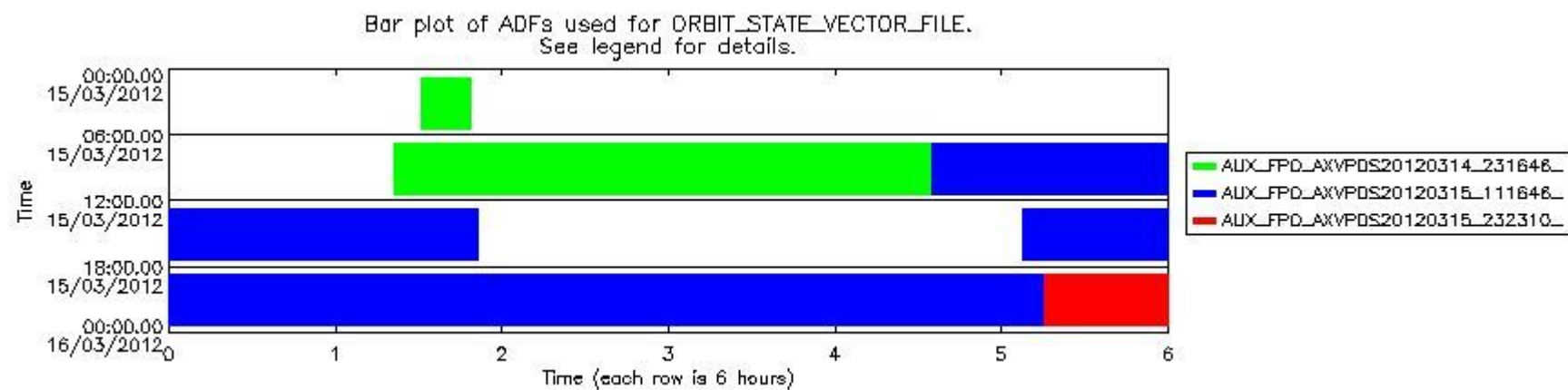
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120314_231646_20120314_122315_20120324_125642
2	AUX_FPO_AXVPDS20120315_111646_20120314_190411_20120324_211752
3	AUX_FPO_AXVPDS20120315_232310_20120315_182726_20120325_204107

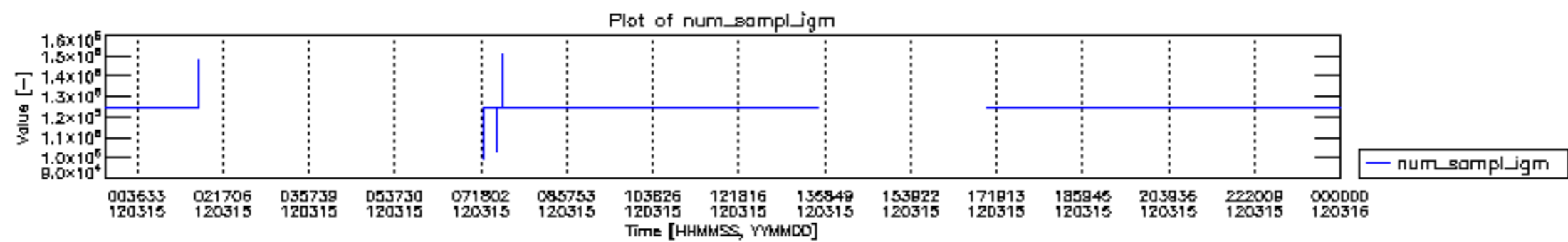
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20120315_013110_000010543112_00347_52516_1226.N1	0	1
1	MIP_NL__0PNPDK20120315_072114_000056923112_00351_52520_8935.N1	0	1
2	MIP_NL__0PNPDK20120315_085531_000060193112_00352_52521_8936.N1	0	1
3	MIP_NL__0PNPDK20120315_103504_000059013112_00353_52522_8937.N1	0	2
4	MIP_NL__0PNPDK20120315_121206_000059583112_00354_52523_8938.N1	0	2
5	MIP_NL__0PNPDK20120315_170734_000058813112_00357_52526_8941.N1	0	2
6	MIP_NL__0PNPDK20120315_184440_000060443112_00358_52527_8942.N1	0	2
7	MIP_NL__0PNPDE20120315_202339_000043413112_00359_52528_1227.N1	0	2
8	MIP_NL__0PNPDE20120315_213500_000060883112_00359_52528_1228.N1	0	2
9	MIP_NL__0PNPDE20120315_231523_000061823112_00360_52529_1229.N1	0	3

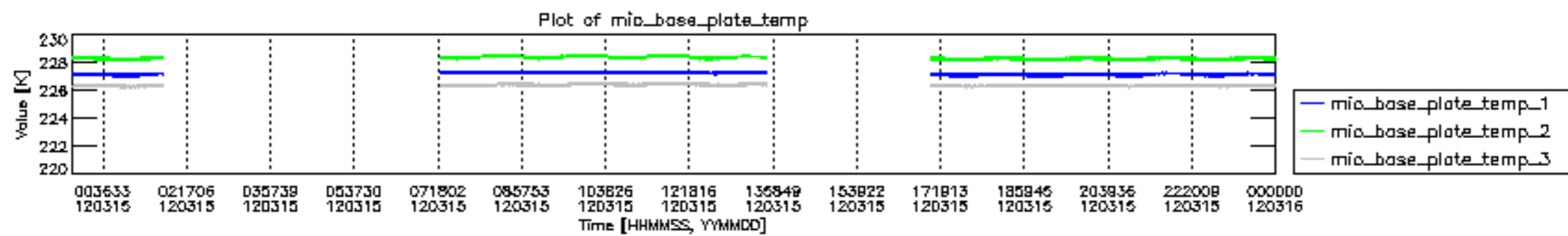


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120315\_12.PNG

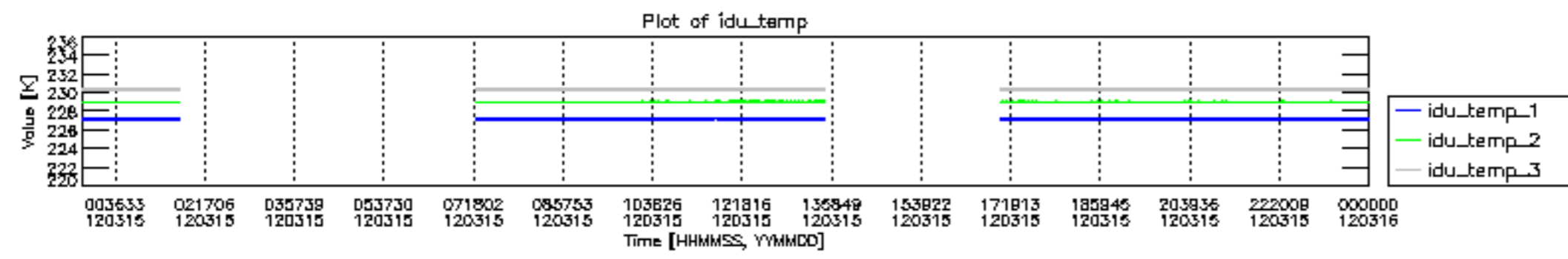


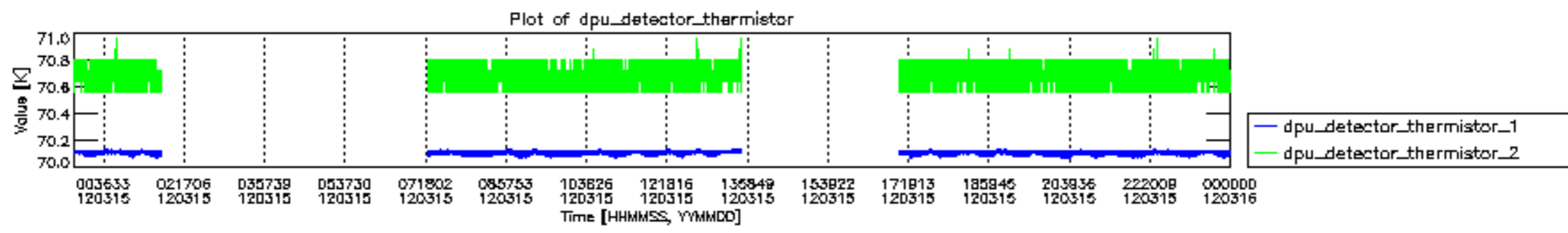
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120315\_13.PNG

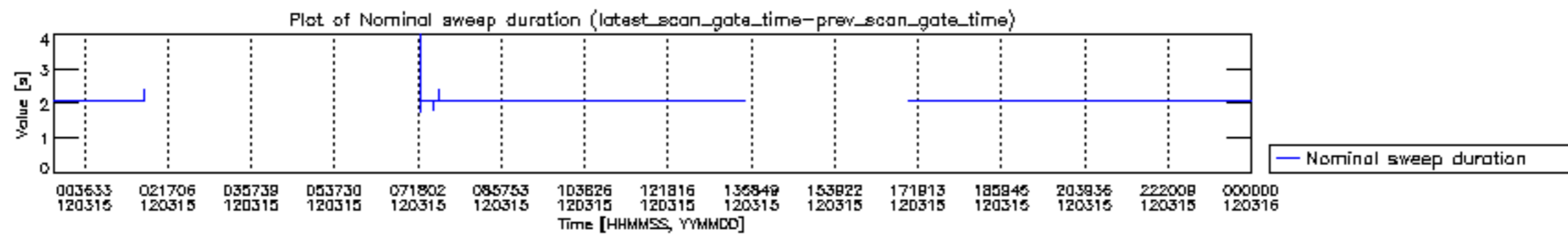


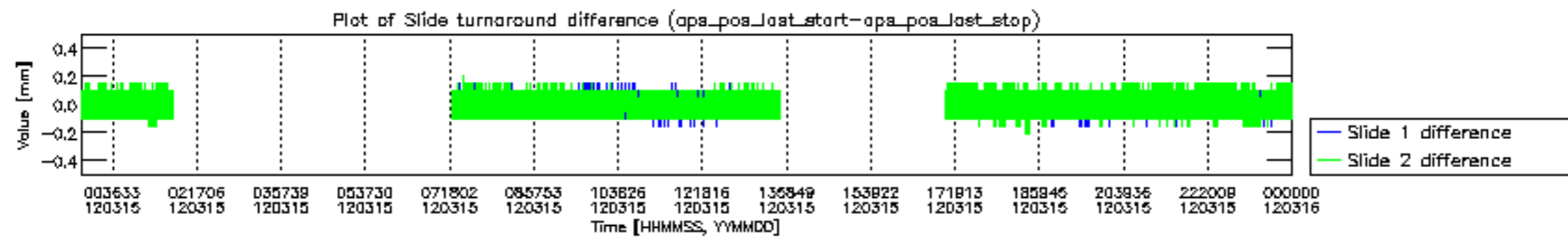


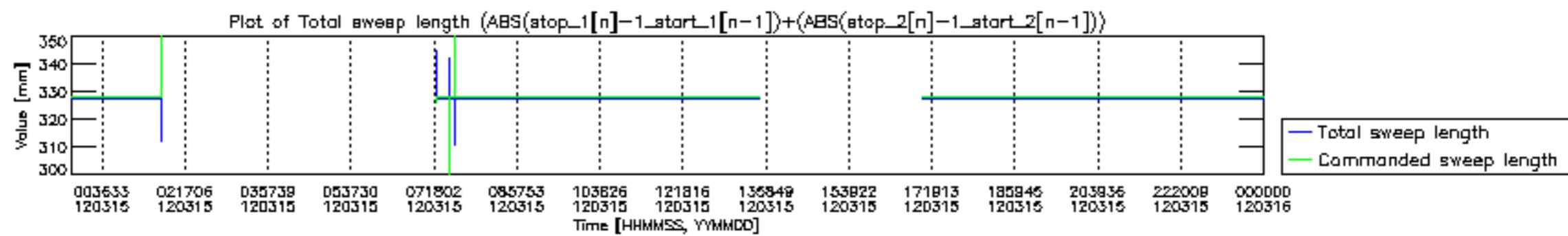




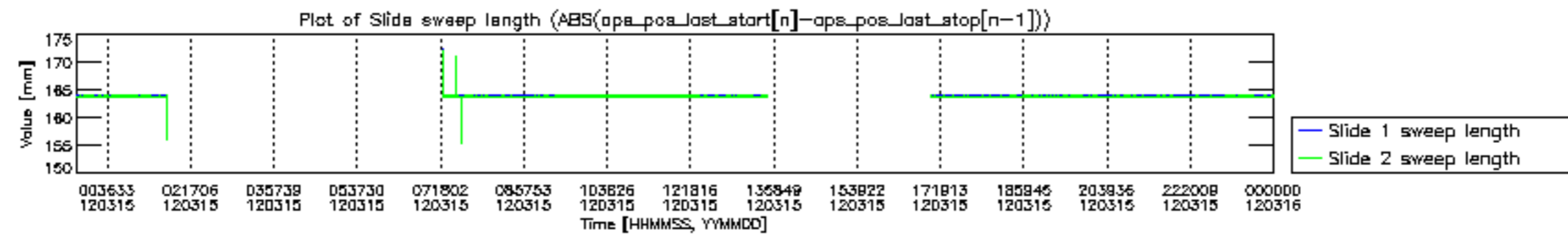


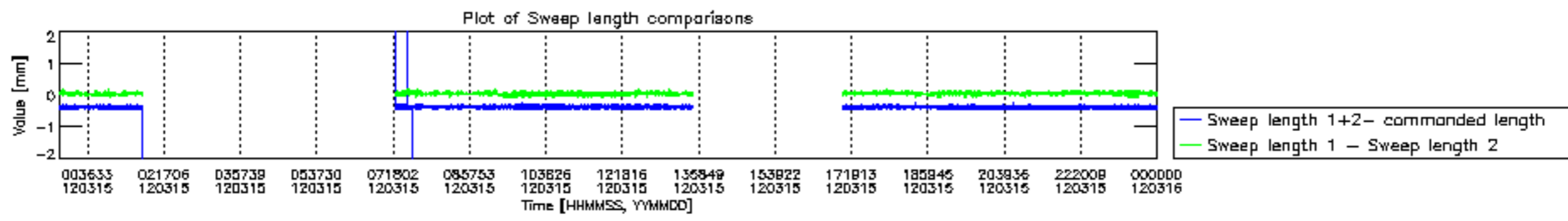


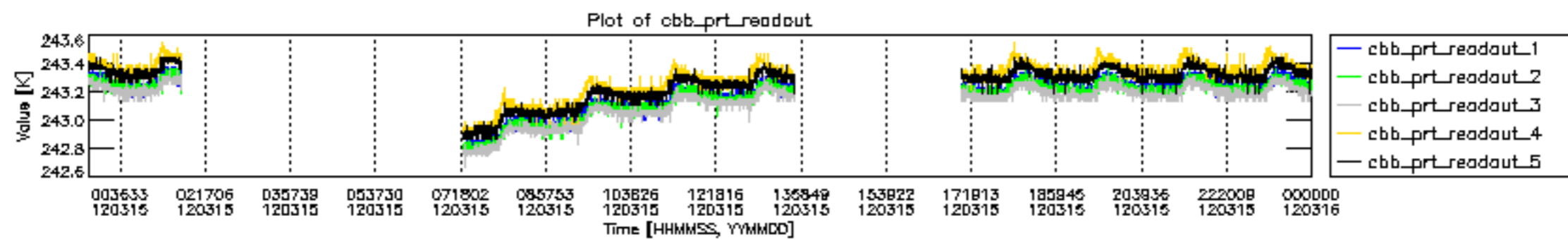


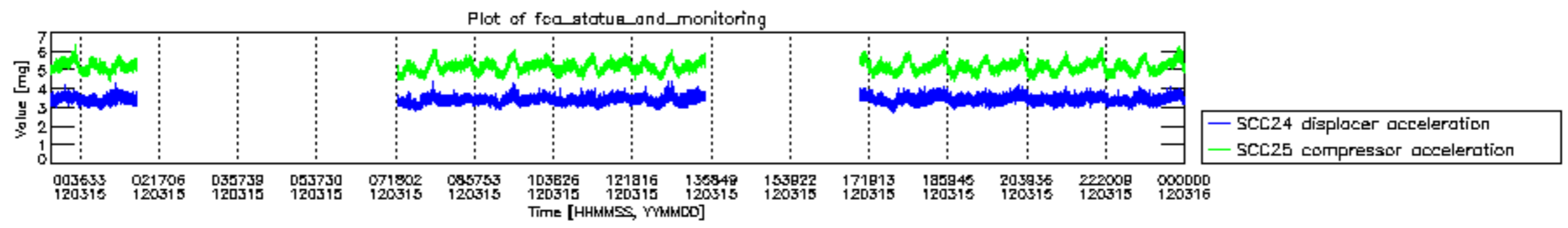












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

