

## 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	17DEC2010 05:25:49
Data source version	KSPT_L0/4504-N
Processing scope for products	13DEC2010 00:00:00 to 14DEC2010 00:00:00
Start time of first product within scope	13DEC2010 01:20:01
Stop time of last product within scope	14DEC2010 00:46:23
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__0PNPDE20101213_012001_000103183097_00232_45936_2487.N1	13DEC2010 01:20:01	13DEC2010 04:11:59	0	0	0	0	0
1	MIP_NL__0PNPDE20101213_020343_000076963097_00233_45937_2488.N1	13DEC2010 02:03:43	13DEC2010 04:11:59	0	0	0	0	0
2	MIP_NL__0PNPDE20101213_041126_000062343097_00234_45938_2489.N1	13DEC2010 04:11:26	13DEC2010 05:55:19	0	0	0	0	0
3	MIP_NL__0PNPDE20101213_055446_000061483097_00235_45939_2490.N1	13DEC2010 05:54:46	13DEC2010 07:37:14	0	0	0	0	0
4	MIP_NL__0PNPDK20101213_073641_000038083097_00236_45940_3551.N1	13DEC2010 07:36:41	13DEC2010 08:40:09	0	0	0	0	0
5	MIP_NL__0PNPDK20101213_083913_000062073097_00237_45941_3552.N1	13DEC2010 08:39:13	13DEC2010 10:22:40	0	0	0	0	0
6	MIP_NL__0PNPDK20101213_102057_000059833097_00238_45942_3553.N1	13DEC2010 10:20:57	13DEC2010 12:00:40	0	0	0	0	0
7	MIP_NL__0PNPDK20101213_115910_000060063097_00239_45943_3554.N1	13DEC2010 11:59:10	13DEC2010 13:39:16	0	0	0	0	0
8	MIP_NL__0PNPDK20101213_133803_000059773097_00240_45944_3555.N1	13DEC2010 13:38:03	13DEC2010 15:17:40	0	0	0	0	0
9	MIP_NL__0PNPDK20101213_151654_000059103097_00241_45945_3556.N1	13DEC2010 15:16:54	13DEC2010 16:55:24	0	0	0	0	0
10	MIP_NL__0PNPDK20101213_165338_000060333097_00242_45946_3557.N1	13DEC2010 16:53:38	13DEC2010 18:34:11	0	0	0	0	0
11	MIP_NL__0PNPDK20101213_183247_000058913097_00243_45947_3558.N1	13DEC2010 18:32:47	13DEC2010 20:10:58	0	0	0	0	0
12	MIP_NL__0PNPDE20101213_200910_000044983097_00244_45948_2492.N1	13DEC2010 20:09:10	13DEC2010 21:24:08	0	0	0	0	0
13	MIP_NL__0PNPDE20101213_212315_000061463097_00244_45948_2493.N1	13DEC2010 21:23:15	13DEC2010 23:05:41	0	0	0	0	0
14	MIP_NL__0PNPDE20101213_230435_000061083097_00245_45949_2494.N1	13DEC2010 23:04:35	14DEC2010 00:46:23	0	0	0	0	0

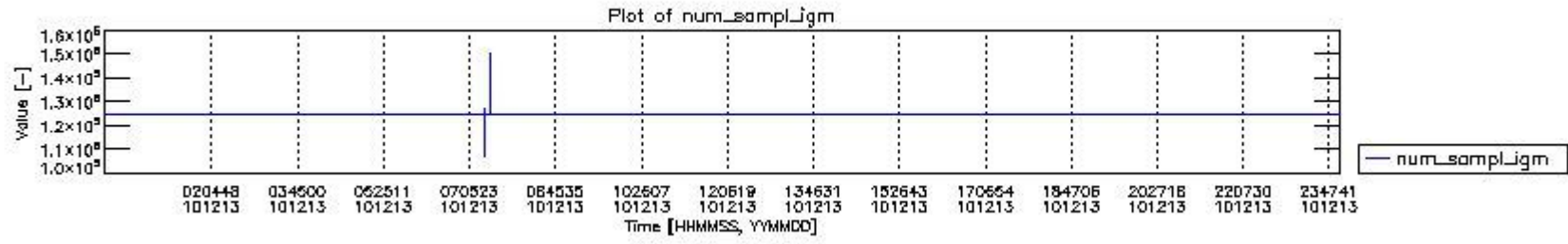
## 0.2 Instrument Operational Performance Parameters

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.

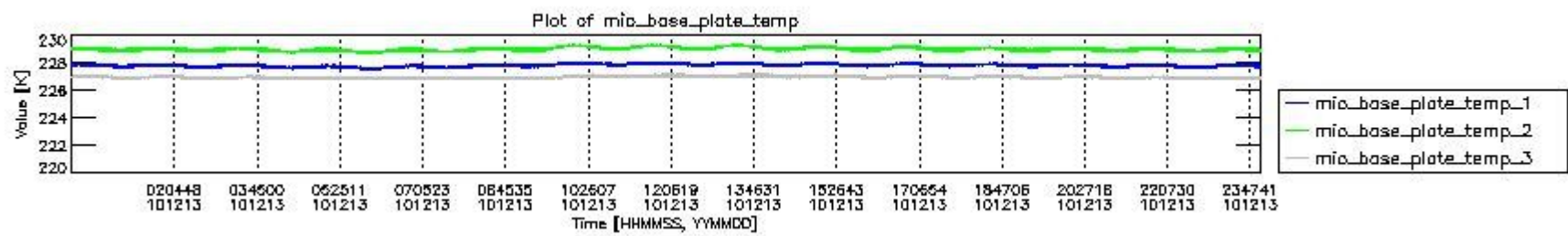
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
106938	1	0.0023956112
109208	1	0.0023956112
124800	38773	92.885035

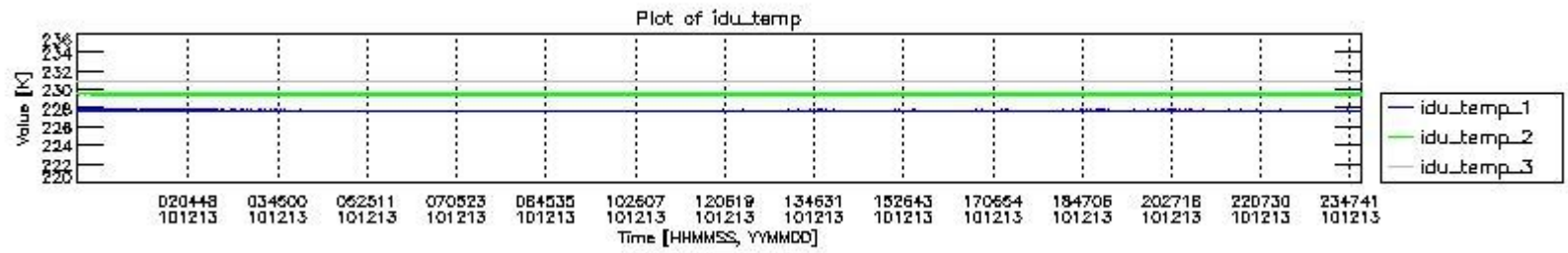
124803	2964	7.1005917
127070	1	0.0023956112
127382	1	0.0023956112
147514	1	0.0023956112
150096	1	0.0023956112



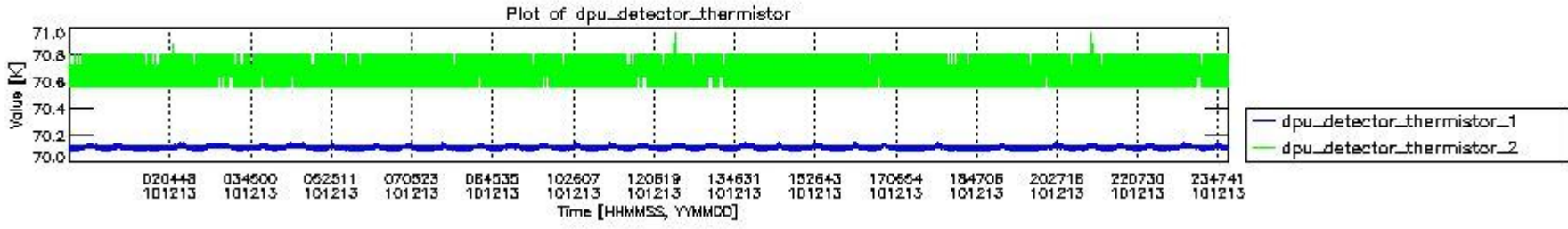
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101213\_0.PNG



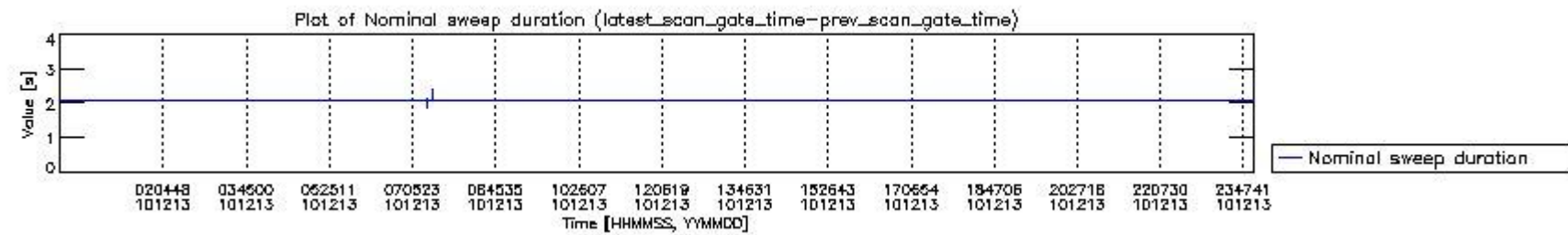
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101213\_1.PNG



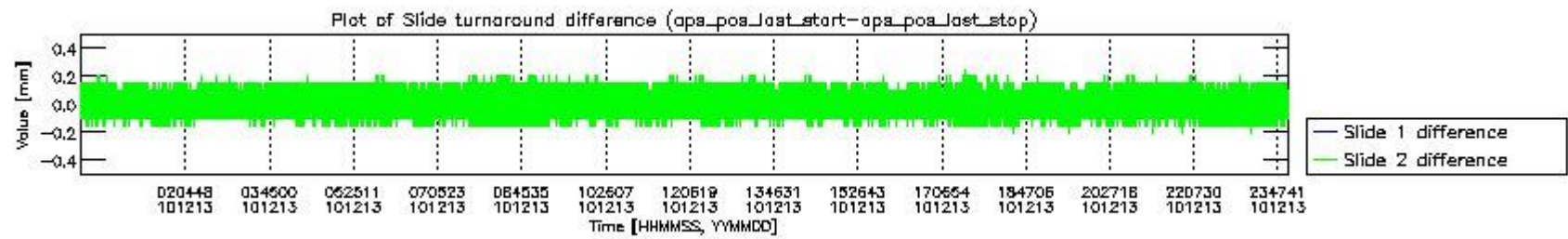
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101213\_2.PNG



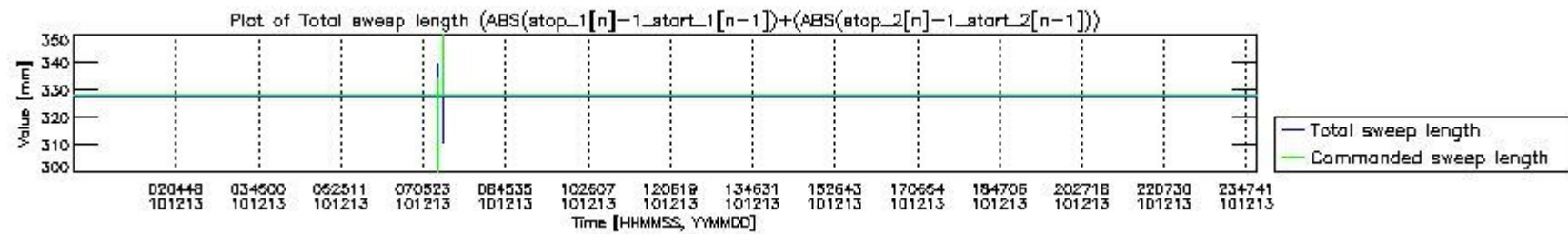
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101213\_3.PNG



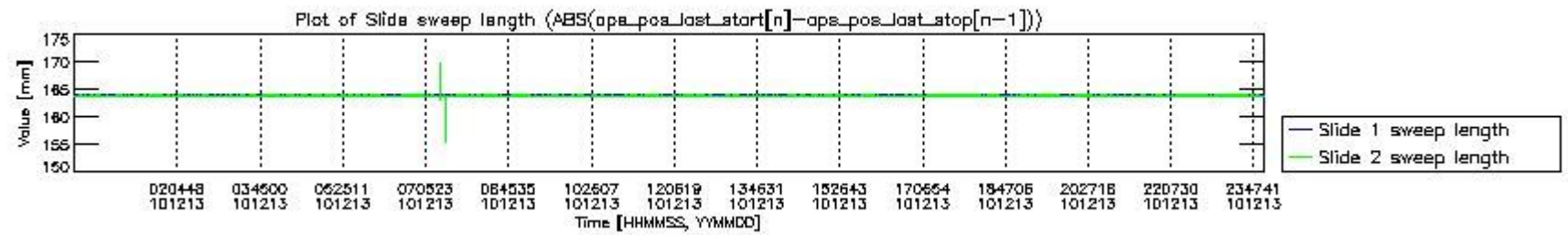
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101213\_4.PNG



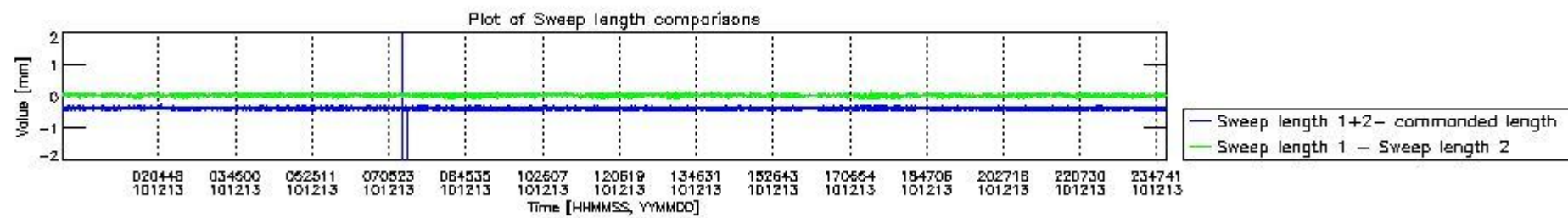
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101213\_5.PNG



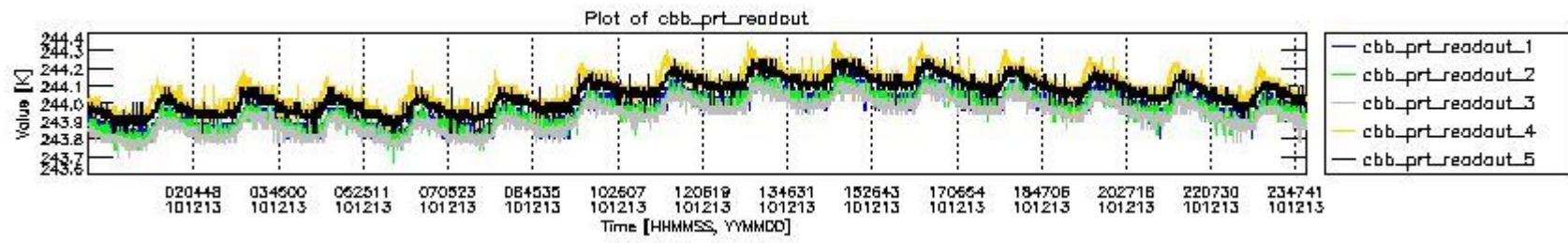
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101213\_6.PNG



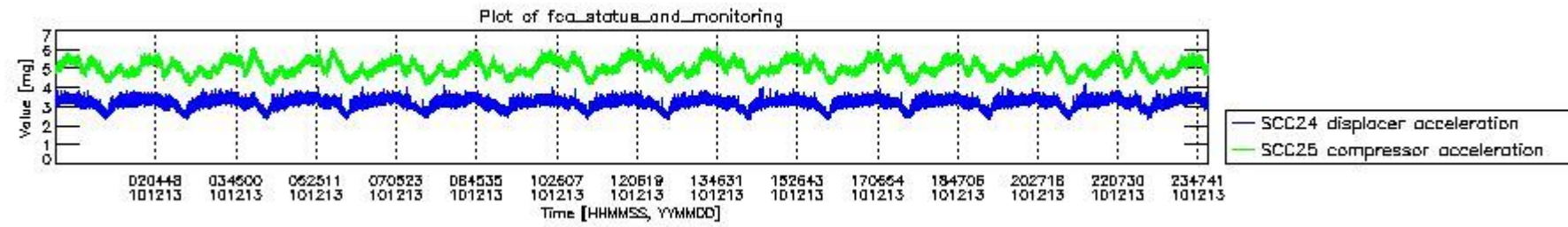
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101213\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101213\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101213\_9.PNG

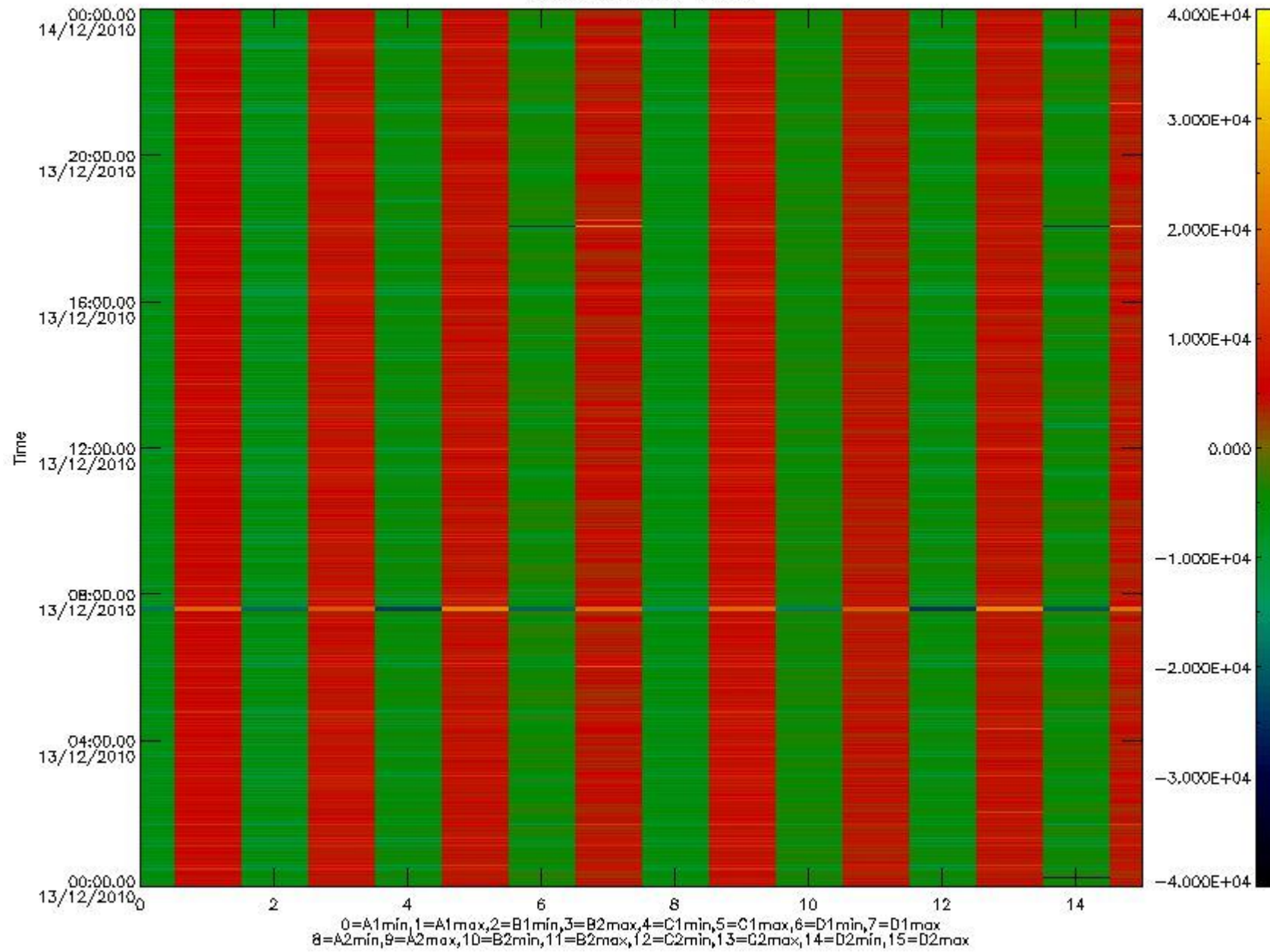


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101213\_10.PNG

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

Channel	Min	Max	ADC
A1	-18282	19421	16bit
B1	-20148	17353	16bit
C1	-24188	24104	16bit
D1	-32741	32767	16bit
A2	-15799	19544	16bit
B2	-18232	17862	16bit
C2	-25168	24979	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\_20101213\_11.PNG

### 0.3 ADF monitoring

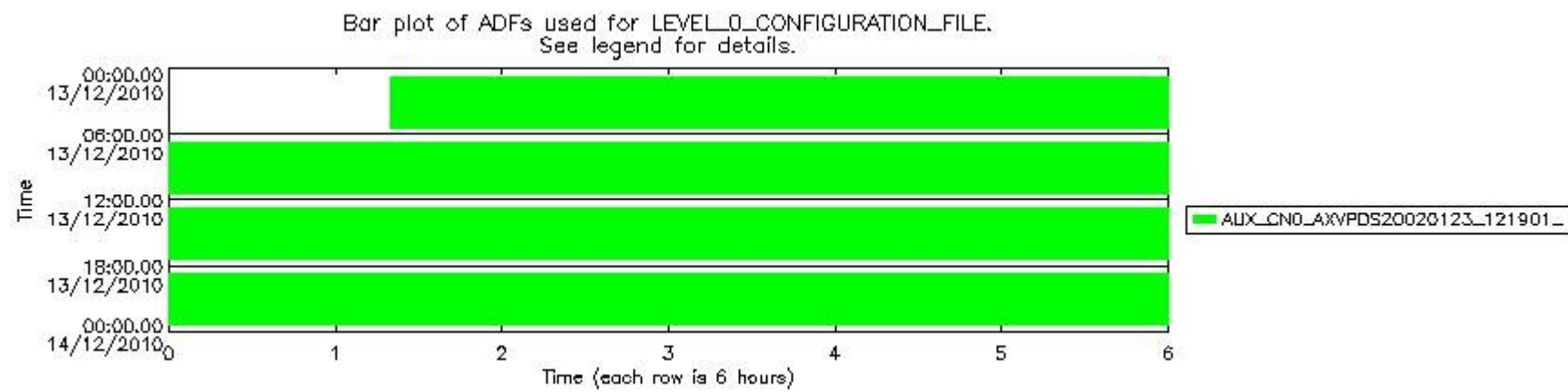
The use of ADFs is shown in two ways:

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.

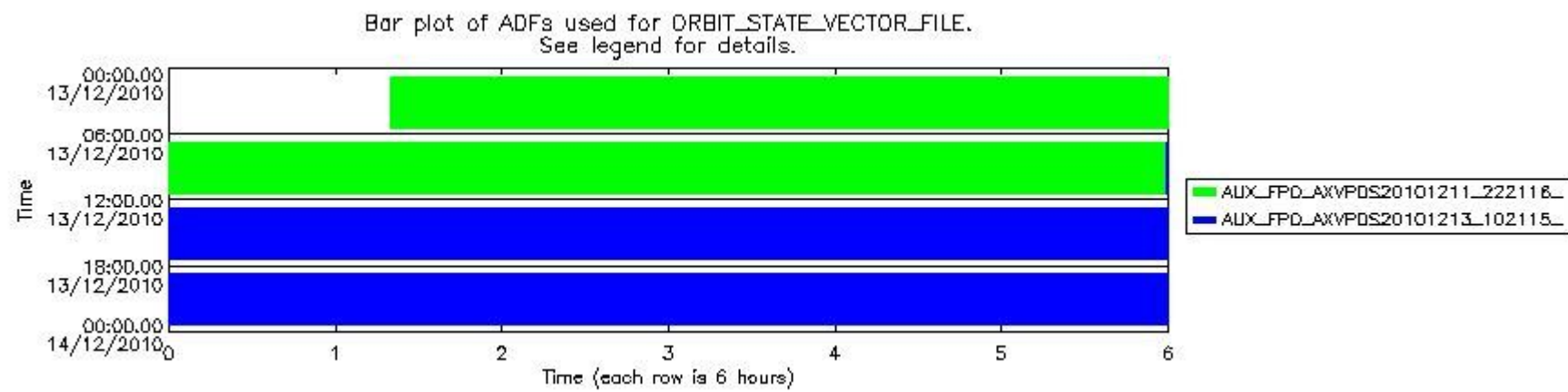
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101211_222116_20101211_192831_20101221_200211
2	AUX_FPO_AXVPDS20101213_102115_20101212_185148_20101222_210541

Number	Product name	#CN0	#FPO
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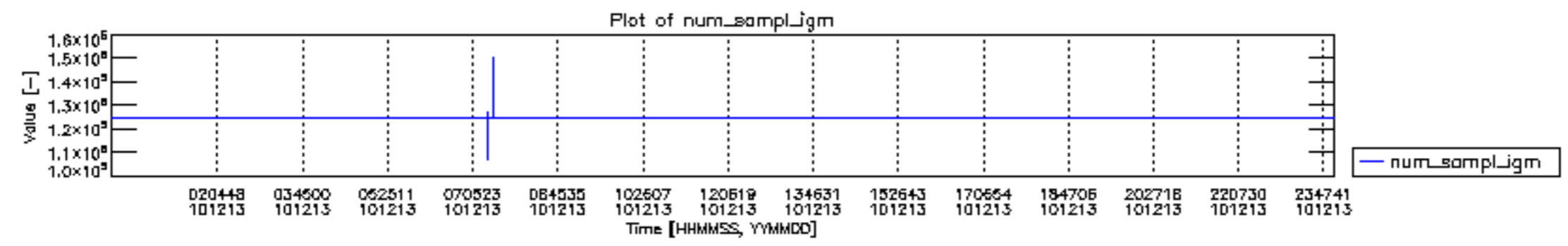
0	MIP_NL__0PNPDE20101213_012001_000103183097_00232_45936_2487.N1	0	1
1	MIP_NL__0PNPDE20101213_020343_000076963097_00233_45937_2488.N1	0	1
2	MIP_NL__0PNPDE20101213_041126_000062343097_00234_45938_2489.N1	0	1
3	MIP_NL__0PNPDE20101213_055446_000061483097_00235_45939_2490.N1	0	1
4	MIP_NL__0PNPDK20101213_073641_000038083097_00236_45940_3551.N1	0	1
5	MIP_NL__0PNPDK20101213_083913_000062073097_00237_45941_3552.N1	0	1
6	MIP_NL__0PNPDK20101213_102057_000059833097_00238_45942_3553.N1	0	1
7	MIP_NL__0PNPDK20101213_115910_000060063097_00239_45943_3554.N1	0	2
8	MIP_NL__0PNPDK20101213_133803_000059773097_00240_45944_3555.N1	0	2
9	MIP_NL__0PNPDK20101213_151654_000059103097_00241_45945_3556.N1	0	2
10	MIP_NL__0PNPDK20101213_165338_000060333097_00242_45946_3557.N1	0	2
11	MIP_NL__0PNPDK20101213_183247_000058913097_00243_45947_3558.N1	0	2
12	MIP_NL__0PNPDE20101213_200910_000044983097_00244_45948_2492.N1	0	2
13	MIP_NL__0PNPDE20101213_212315_000061463097_00244_45948_2493.N1	0	2
14	MIP_NL__0PNPDE20101213_230435_000061083097_00245_45949_2494.N1	0	2

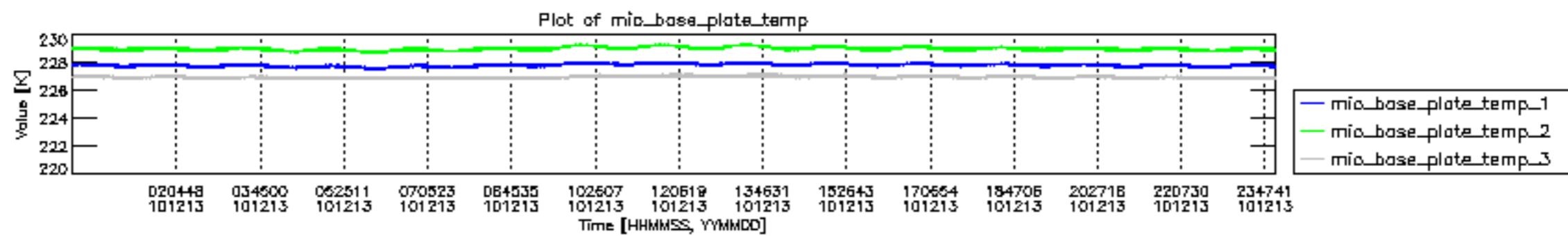


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101213\_12.PNG

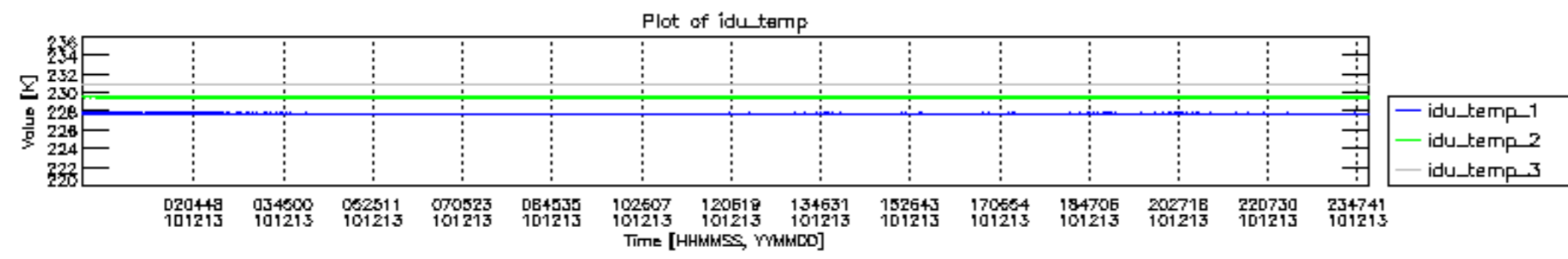


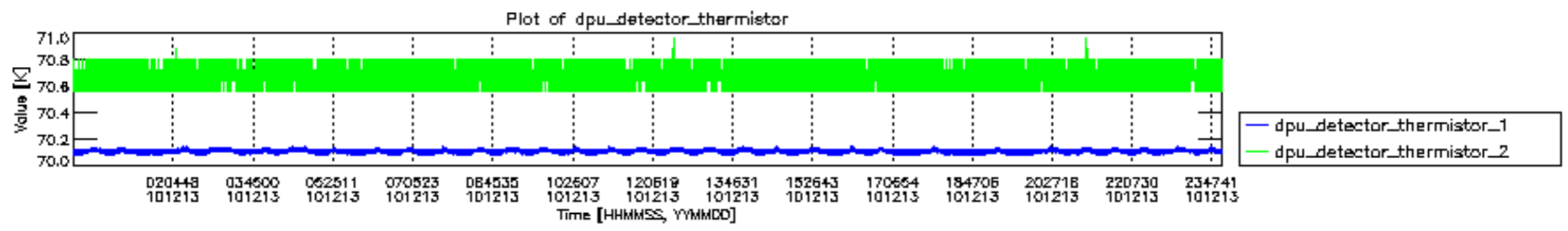
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20101213\_13.PNG

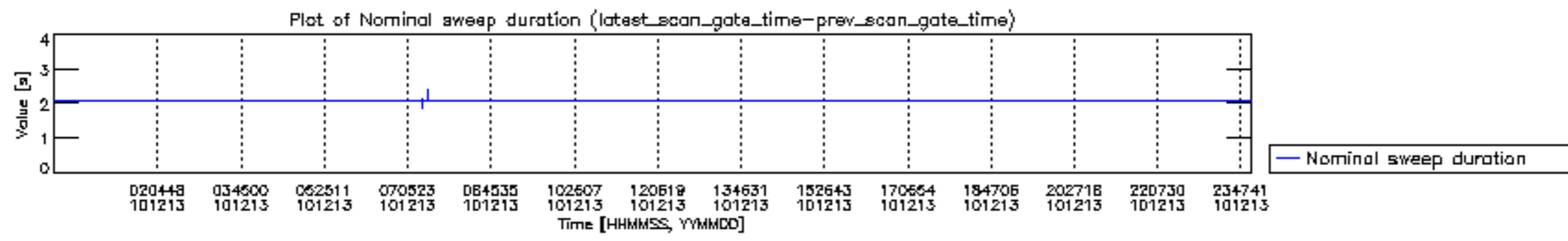


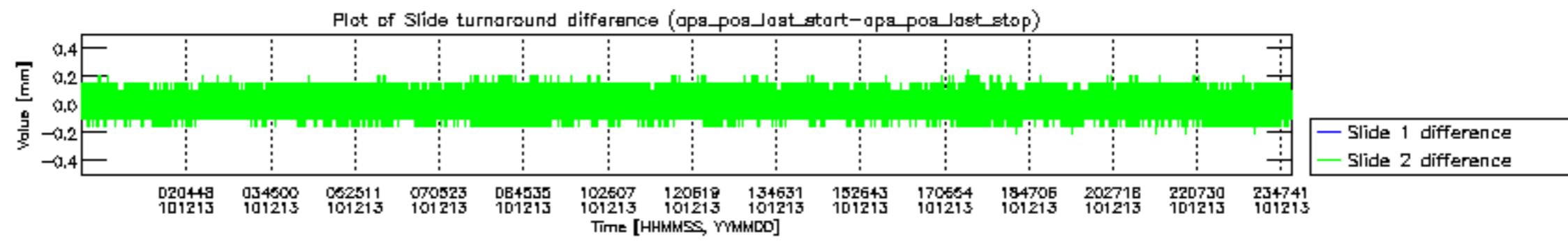


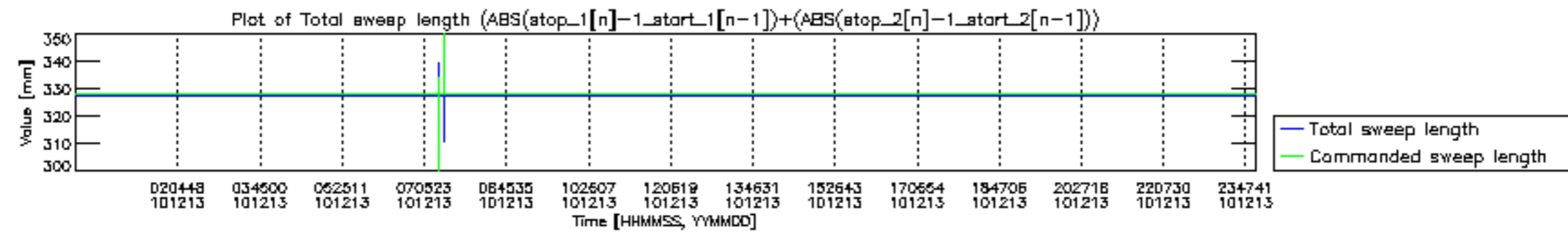


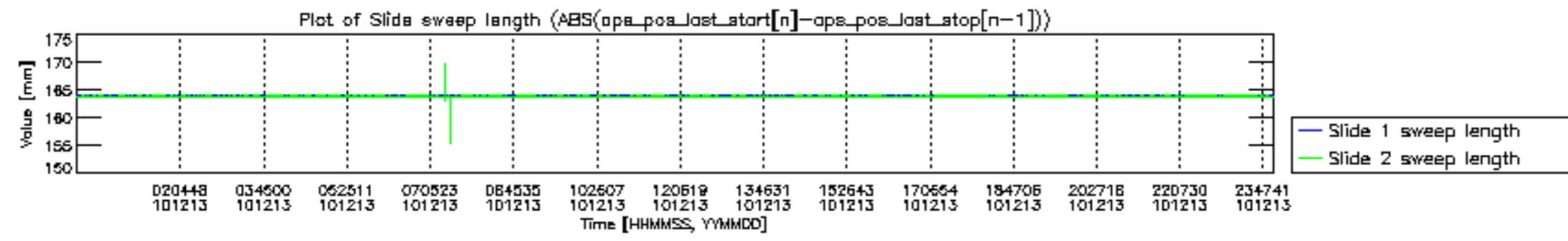


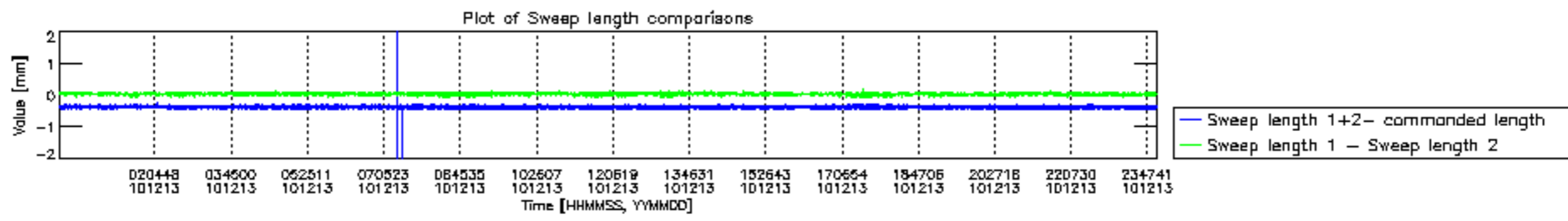


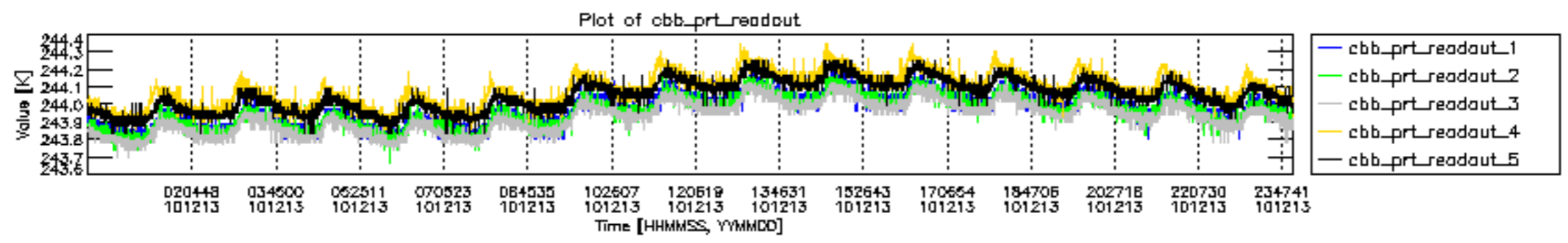




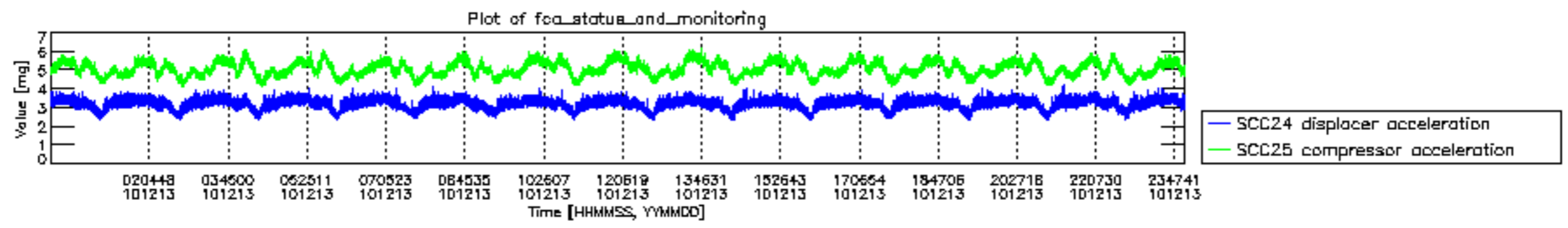












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

