

## 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	05DEC2011 05:27:59
Data source version	KSPT_L0/4504-N
Processing scope for products	30NOV2011 00:00:00 to 01DEC2011 00:00:00
Start time of first product within scope	30NOV2011 01:19:31
Stop time of last product within scope	01DEC2011 00:43:36
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__0PNPDE20111130_011931_000101833109_00117_50993_4947.N1	30NOV2011 01:19:31	30NOV2011 04:09:14	0	0	0	0	0
1	MIP_NL__0PNPDE20111130_040841_000062713109_00119_50995_4948.N1	30NOV2011 04:08:41	30NOV2011 05:53:12	0	0	0	0	0
2	MIP_NL__0PNPDE20111130_055239_000061623109_00120_50996_4949.N1	30NOV2011 05:52:39	30NOV2011 07:35:20	0	0	0	0	0
3	MIP_NL__0PNPDE20111130_063957_000033243109_00121_50997_4951.N1	30NOV2011 06:39:57	30NOV2011 07:35:20	0	0	0	0	0
4	MIP_NL__0PNPDK20111130_073447_000039363109_00121_50997_7665.N1	30NOV2011 07:34:47	30NOV2011 08:40:23	0	0	0	0	0
5	MIP_NL__0PNPDK20111130_083922_000060933109_00122_50998_7666.N1	30NOV2011 08:39:22	30NOV2011 10:20:56	0	0	0	0	0
6	MIP_NL__0PNPDK20111130_101911_000060123109_00123_50999_7667.N1	30NOV2011 10:19:11	30NOV2011 11:59:23	0	0	0	0	0
7	MIP_NL__0PNPDK20111130_115802_000059623109_00124_51000_7668.N1	30NOV2011 11:58:02	30NOV2011 13:37:24	0	0	0	0	0
8	MIP_NL__0PNPDK20111130_133619_000059813109_00125_51001_7669.N1	30NOV2011 13:36:19	30NOV2011 15:16:00	1	1	0	0	0
9	MIP_NL__0PNPDK20111130_151514_000059853109_00126_51002_7670.N1	30NOV2011 15:15:14	30NOV2011 16:55:00	0	0	0	0	0
10	MIP_NL__0PNPDK20111130_165357_000058123109_00127_51003_7671.N1	30NOV2011 16:53:57	30NOV2011 18:30:49	0	0	0	0	0
11	MIP_NL__0PNPDK20111130_182940_000059143109_00128_51004_7672.N1	30NOV2011 18:29:40	30NOV2011 20:08:14	0	0	0	0	0
12	MIP_NL__0PNPDE20111130_200659_000045543109_00129_51005_4952.N1	30NOV2011 20:06:59	30NOV2011 21:22:53	0	0	0	0	0
13	MIP_NL__0PNPDE20111130_212150_000061613109_00129_51005_4953.N1	30NOV2011 21:21:50	30NOV2011 23:04:31	0	0	0	0	0
14	MIP_NL__0PNPDE20111130_230324_000060123109_00130_51006_4954.N1	30NOV2011 23:03:24	01DEC2011 00:43:36	0	0	0	0	0

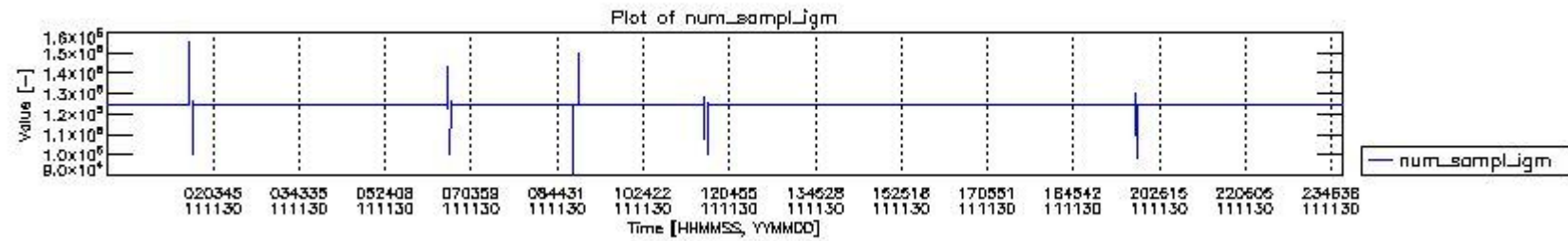
## 0.2 Instrument Operational Performance Parameters

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.

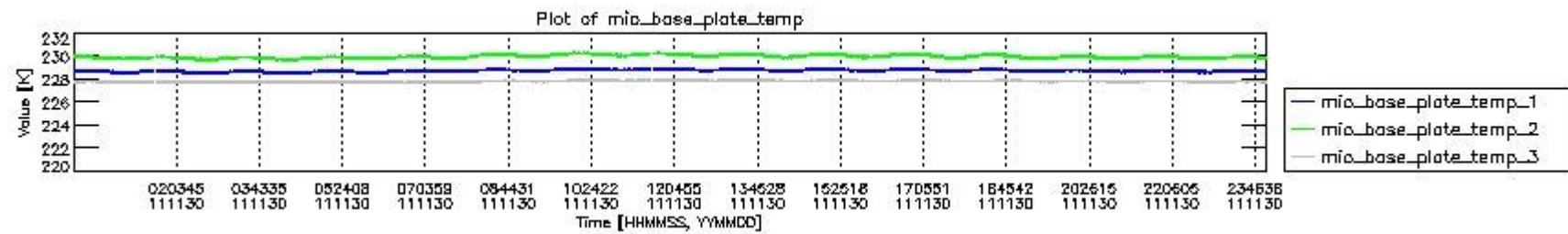
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
90028	1	0.0024303108
97348	1	0.0024303108
98699	1	0.0024303108

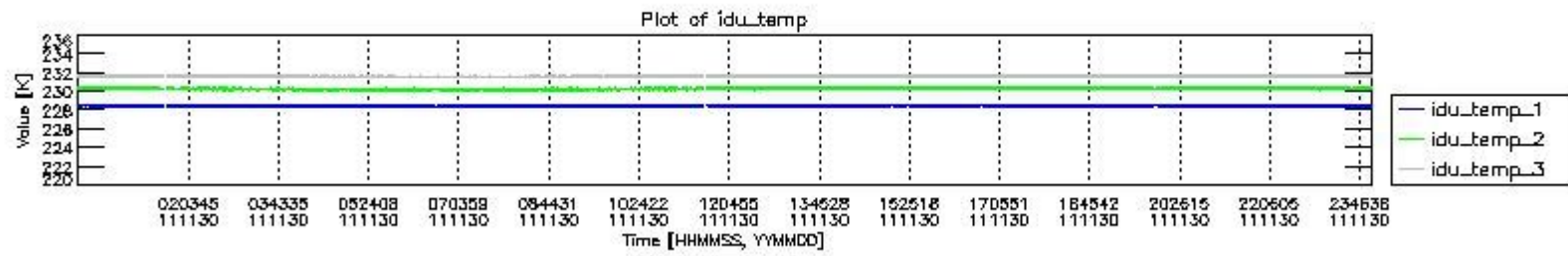
100037	1	0.0024303108
100483	1	0.0024303108
100557	1	0.0024303108
108130	1	0.0024303108
109689	1	0.0024303108
111586	1	0.0024303108
114710	1	0.0024303108
117480	1	0.0024303108
122847	1	0.0024303108
123102	1	0.0024303108
123951	1	0.0024303108
124800	38529	93.637446
124803	2588	6.2896444
125289	1	0.0024303108
125735	1	0.0024303108
125778	1	0.0024303108
125809	1	0.0024303108
126670	1	0.0024303108
126818	1	0.0024303108
127159	1	0.0024303108
128259	1	0.0024303108
129821	1	0.0024303108
130133	1	0.0024303108
141026	1	0.0024303108
142979	1	0.0024303108
147291	1	0.0024303108
149650	1	0.0024303108
150265	1	0.0024303108
155598	1	0.0024303108



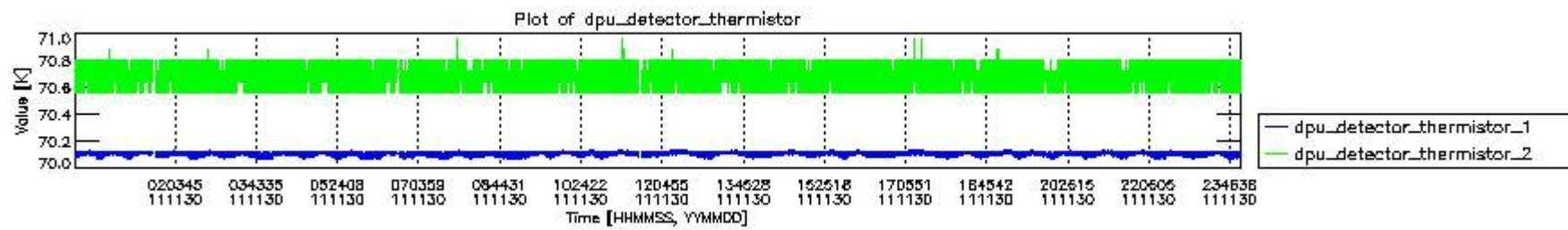
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111130\_0.PNG



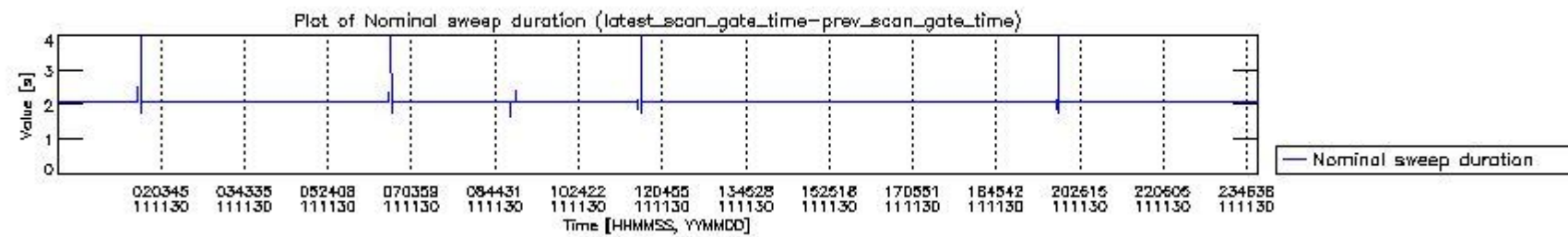
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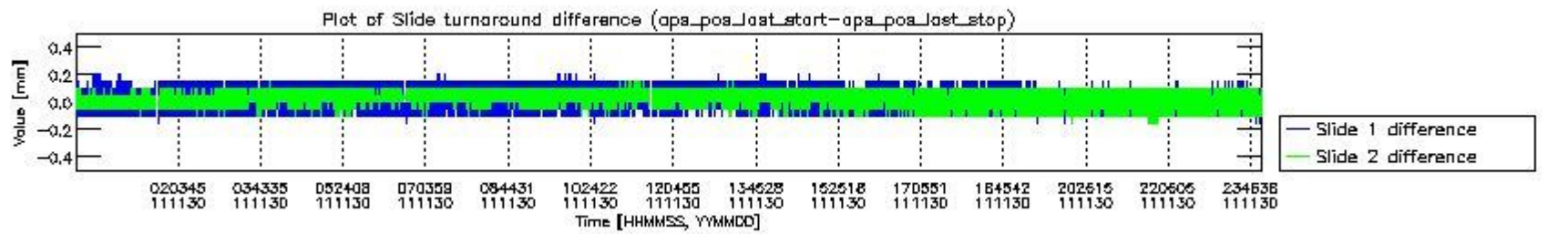
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111130\_2.PNG



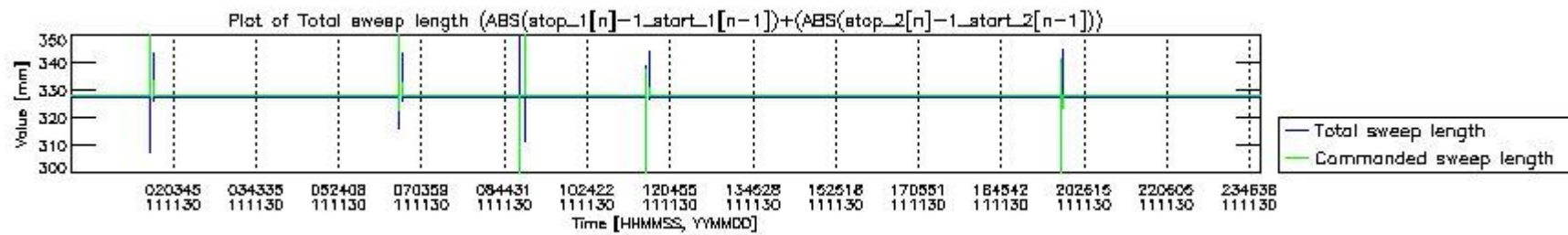
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111130\_3.PNG



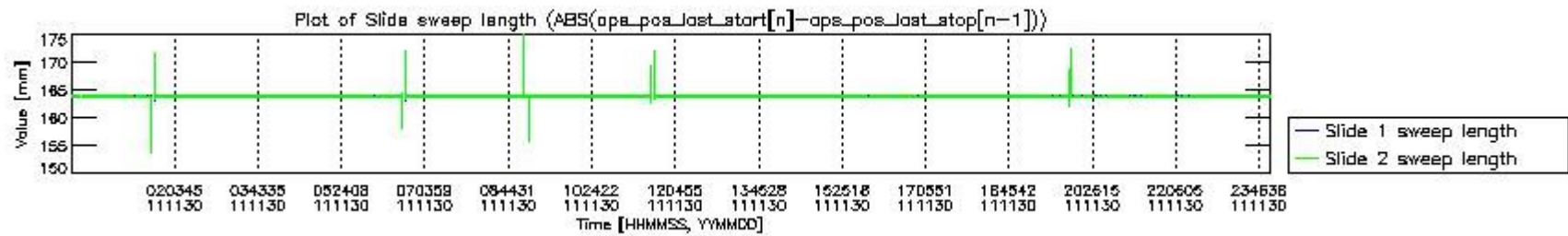
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111130\_4.PNG



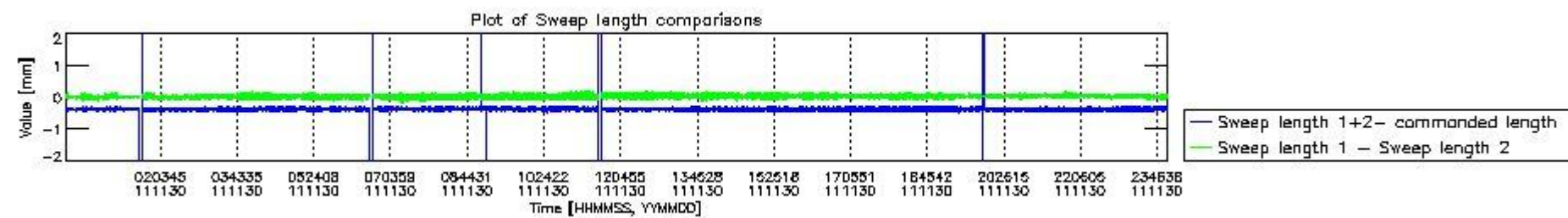
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111130\_5.PNG



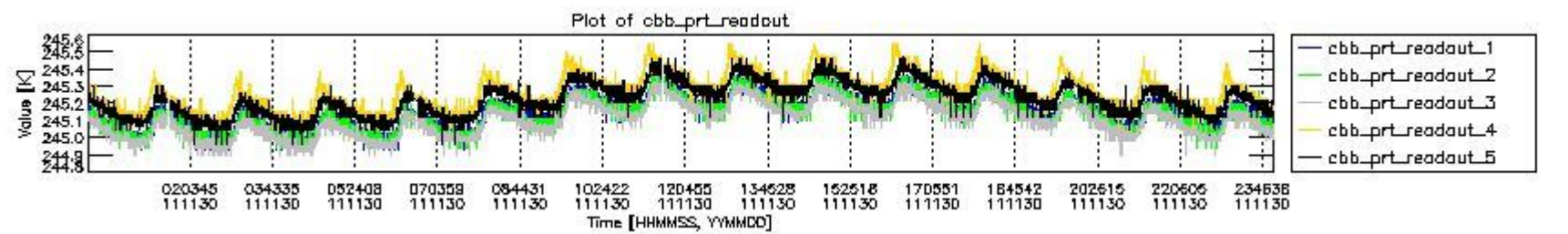
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111130\_6.PNG



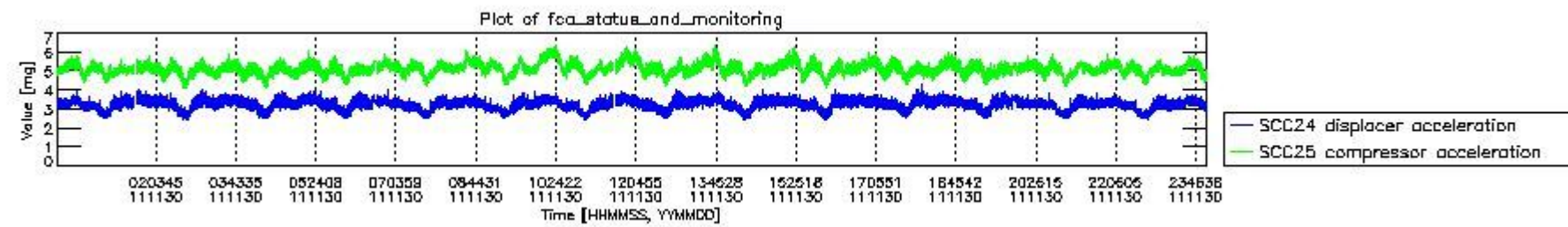
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111130\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111130\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111130\_9.PNG

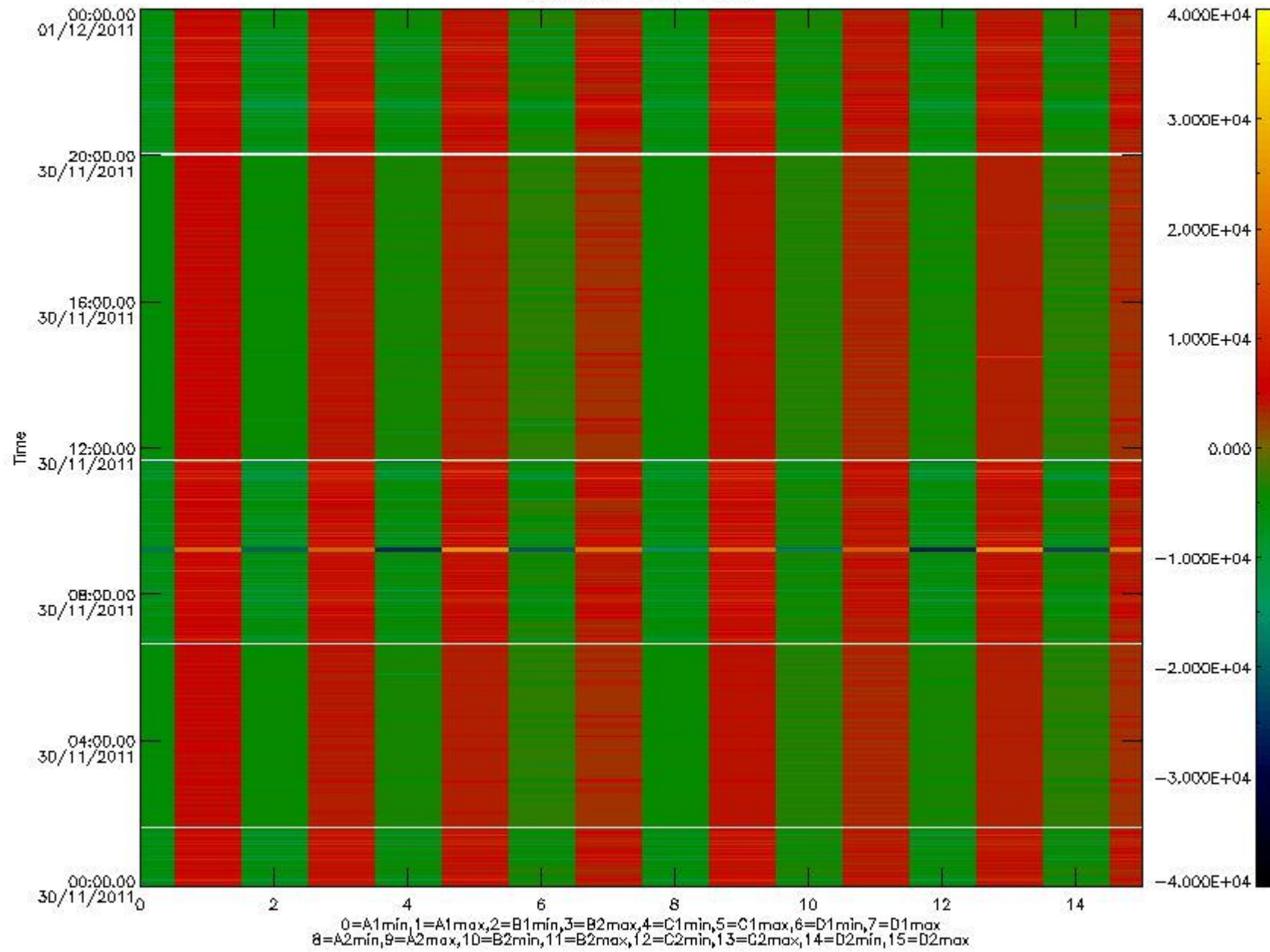


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111130\_10.PNG

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

Channel	Min	Max	ADC
A1	-18337	19415	16bit
B1	-20771	17826	16bit
C1	-25364	25289	16bit
D1	-32768	32767	16bit
A2	-15897	19647	16bit
B2	-18651	18280	16bit
C2	-26347	25998	16bit
D2	-32768	32767	16bit

MIPNLOP\_MIPSOUPAC\_aux\_fields\_1gm\_cal, channel statistics plot  
Colour indicates value.



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111130\_11.PNG

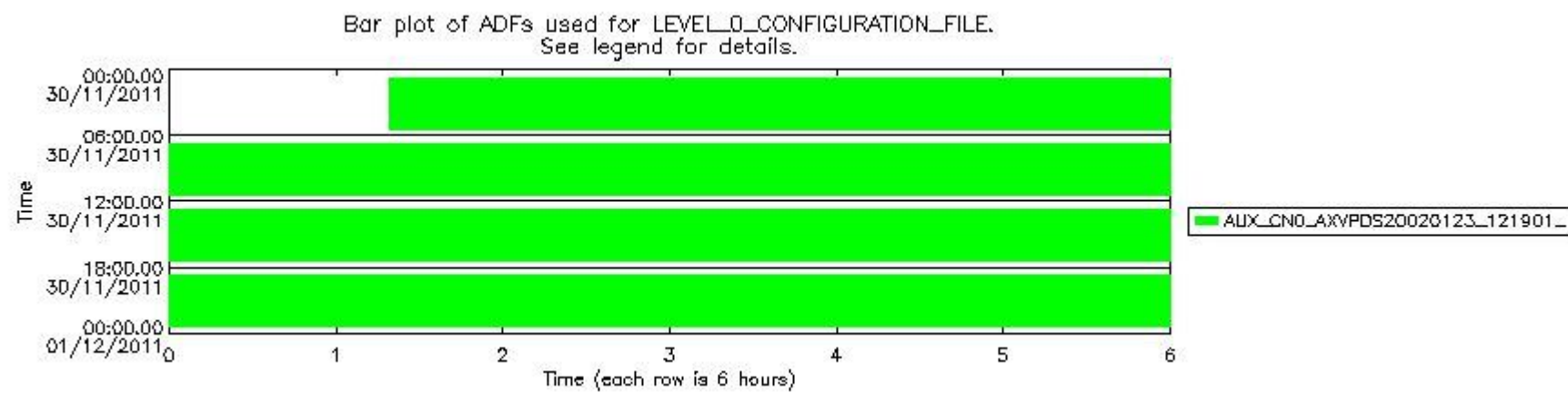
### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

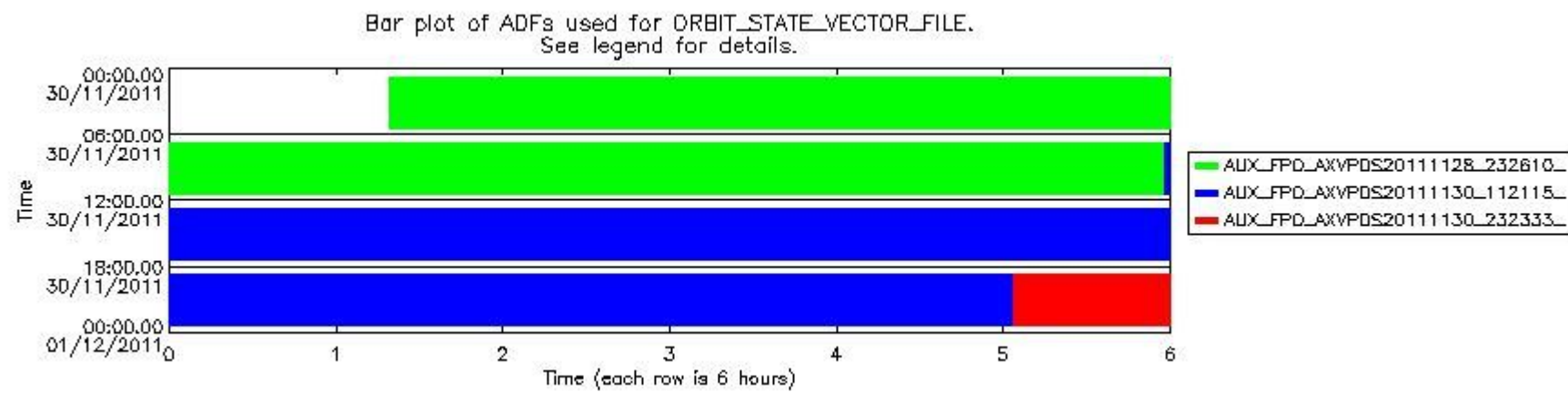
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111128_232610_20111128_192715_20111208_200042
2	AUX_FPO_AXVPDS20111130_112115_20111129_185030_20111209_210411
3	AUX_FPO_AXVPDS20111130_232333_20111130_195359_20111210_202726

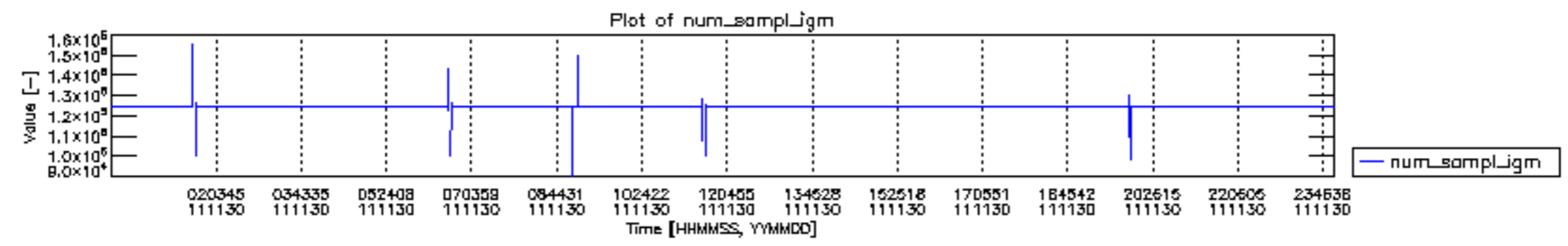
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20111130_011931_000101833109_00117_50993_4947.N1	0	1
1	MIP_NL__0PNPDE20111130_040841_000062713109_00119_50995_4948.N1	0	1
2	MIP_NL__0PNPDE20111130_055239_000061623109_00120_50996_4949.N1	0	1
3	MIP_NL__0PNPDE20111130_063957_000033243109_00121_50997_4951.N1	0	1
4	MIP_NL__0PNPDK20111130_073447_000039363109_00121_50997_7665.N1	0	1
5	MIP_NL__0PNPDK20111130_083922_000060933109_00122_50998_7666.N1	0	1
6	MIP_NL__0PNPDK20111130_101911_000060123109_00123_50999_7667.N1	0	1
7	MIP_NL__0PNPDK20111130_115802_000059623109_00124_51000_7668.N1	0	2
8	MIP_NL__0PNPDK20111130_133619_000059813109_00125_51001_7669.N1	0	2
9	MIP_NL__0PNPDK20111130_151514_000059853109_00126_51002_7670.N1	0	2
10	MIP_NL__0PNPDK20111130_165357_000058123109_00127_51003_7671.N1	0	2
11	MIP_NL__0PNPDK20111130_182940_000059143109_00128_51004_7672.N1	0	2
12	MIP_NL__0PNPDE20111130_200659_000045543109_00129_51005_4952.N1	0	2
13	MIP_NL__0PNPDE20111130_212150_000061613109_00129_51005_4953.N1	0	2
14	MIP_NL__0PNPDE20111130_230324_000060123109_00130_51006_4954.N1	0	3

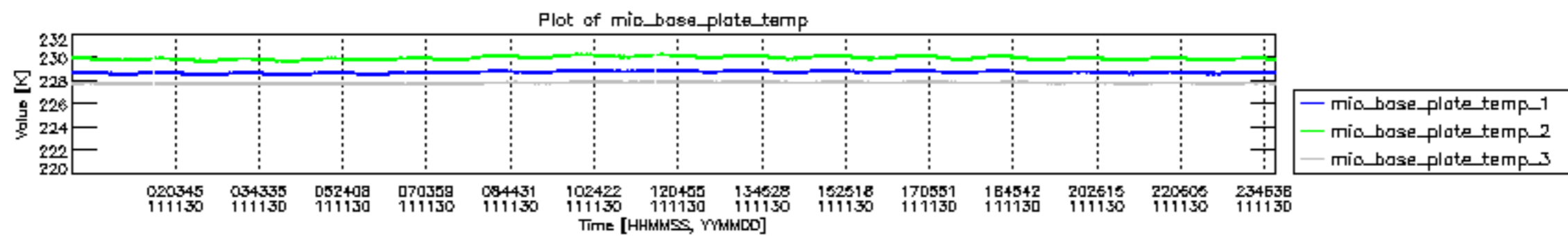


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111130\_12.PNG

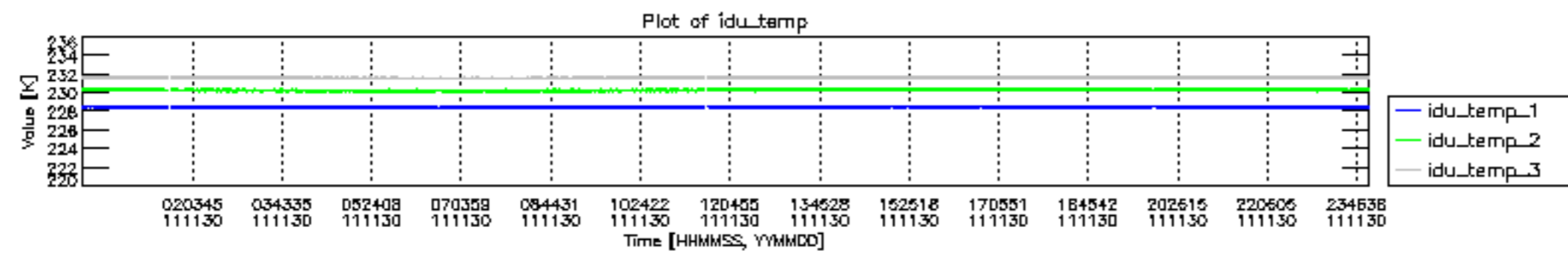


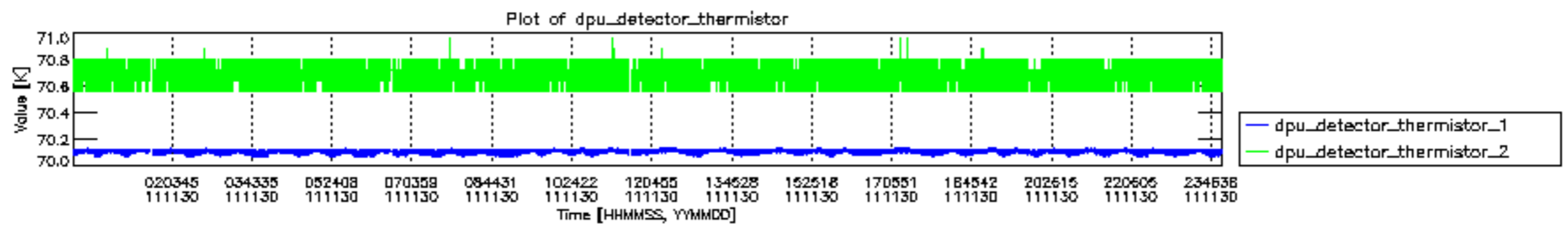
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111130\_13.PNG

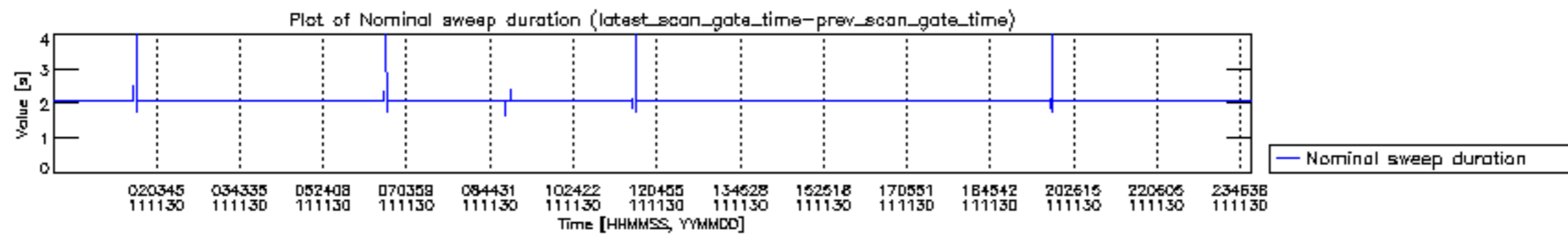


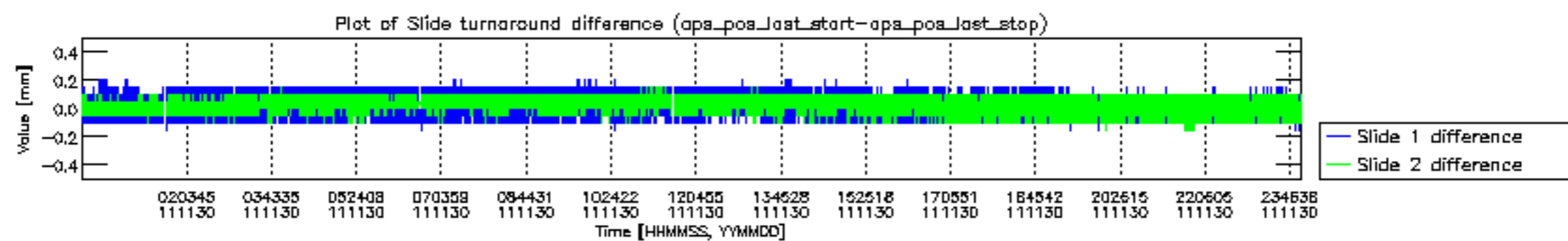


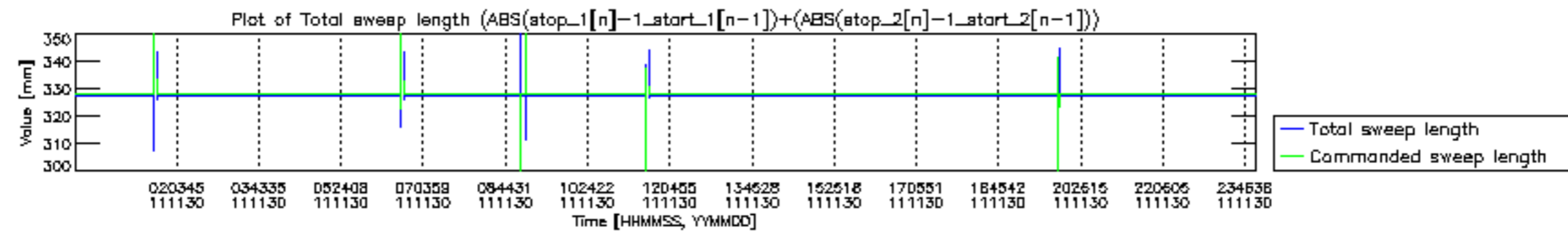


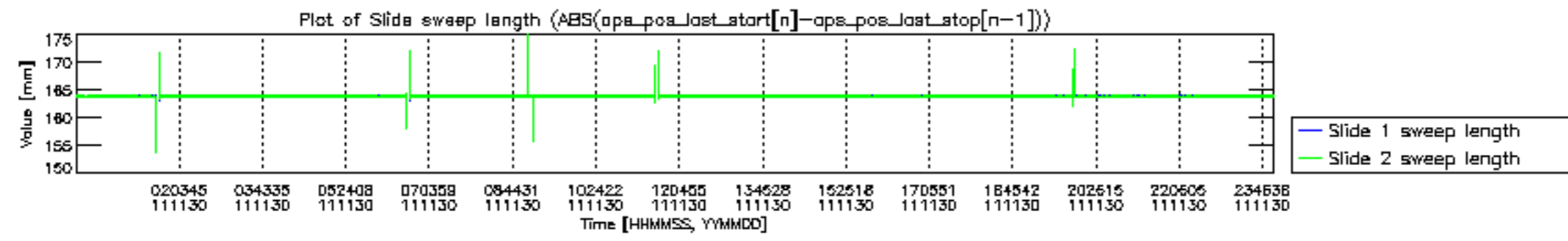


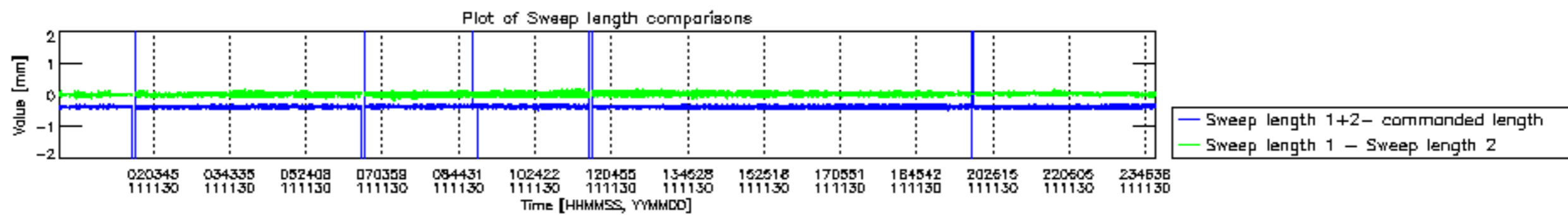


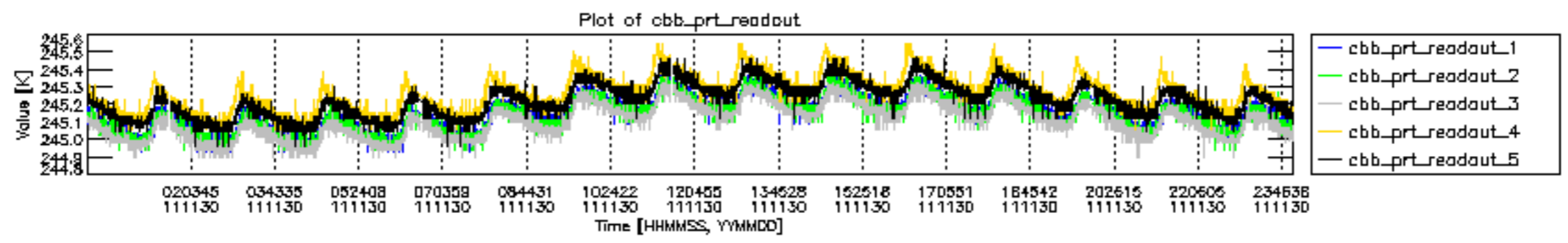




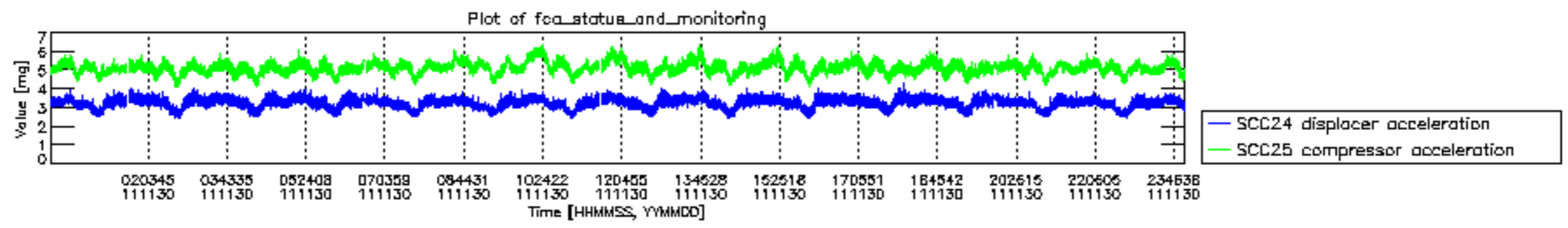












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

