

## 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	23JUL2011 05:25:08
Data source version	KSPT_L0/4504-N
Processing scope for products	18JUL2011 00:00:00 to 19JUL2011 00:00:00
Start time of first product within scope	18JUL2011 00:27:06
Stop time of last product within scope	19JUL2011 01:31:14
Total number of level 0 products	16
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__0PNPDE20110718_002706_000059663104_00332_49053_9256.N1	18JUL2011 00:27:06	18JUL2011 02:06:32	0	0	0	0	0
1	MIP_NL__0PNPDE20110718_020528_000044963104_00333_49054_9257.N1	18JUL2011 02:05:28	18JUL2011 03:20:23	0	0	0	0	0
2	MIP_NL__0PNPDE20110718_031948_000061113104_00334_49055_9258.N1	18JUL2011 03:19:48	18JUL2011 05:01:38	0	0	0	0	0
3	MIP_NL__0PNPDE20110718_050103_000060563104_00335_49056_9259.N1	18JUL2011 05:01:03	18JUL2011 06:41:59	0	0	0	0	0
4	MIP_NL__0PNPDK20110718_064124_000040573104_00336_49057_5801.N1	18JUL2011 06:41:24	18JUL2011 07:49:01	0	0	0	0	0
5	MIP_NL__0PNPDK20110718_074823_000061263104_00337_49058_5802.N1	18JUL2011 07:48:23	18JUL2011 09:30:29	0	0	0	0	0
6	MIP_NL__0PNPDK20110718_092939_000059463104_00338_49059_5803.N1	18JUL2011 09:29:39	18JUL2011 11:08:45	0	0	0	0	0
7	MIP_NL__0PNPDK20110718_110757_000060653104_00339_49060_5804.N1	18JUL2011 11:07:57	18JUL2011 12:49:02	0	0	0	0	0
8	MIP_NL__0PNPDK20110718_124824_000059293104_00340_49061_5805.N1	18JUL2011 12:48:24	18JUL2011 14:27:13	0	0	0	0	0
9	MIP_NL__0PNPDK20110718_142632_000057873104_00341_49062_5806.N1	18JUL2011 14:26:32	18JUL2011 16:02:58	0	0	0	0	0
10	MIP_NL__0PNPDK20110718_160200_000059123104_00342_49063_5807.N1	18JUL2011 16:02:00	18JUL2011 17:40:32	0	0	0	0	0
11	MIP_NL__0PNPDK20110718_173927_000059873104_00343_49064_5808.N1	18JUL2011 17:39:27	18JUL2011 19:19:14	0	0	0	0	0
12	MIP_NL__0PNPDK20110718_191807_000060943104_00344_49065_5809.N1	18JUL2011 19:18:07	18JUL2011 20:59:41	1	1	0	0	0
13	MIP_NL__0PNPDE20110718_205736_000044183104_00345_49066_9260.N1	18JUL2011 20:57:36	18JUL2011 22:11:14	0	0	0	0	0
14	MIP_NL__0PNPDE20110718_221010_000060423104_00345_49066_9261.N1	18JUL2011 22:10:10	18JUL2011 23:50:51	0	0	0	0	0
15	MIP_NL__0PNPDE20110718_234944_000060903104_00346_49067_9262.N1	18JUL2011 23:49:44	19JUL2011 01:31:14	0	0	0	0	0

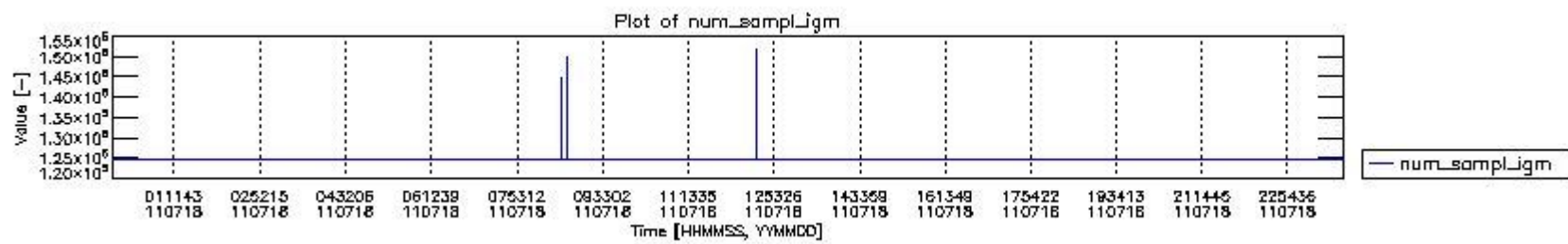
## 0.2 Instrument Operational Performance Parameters

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.

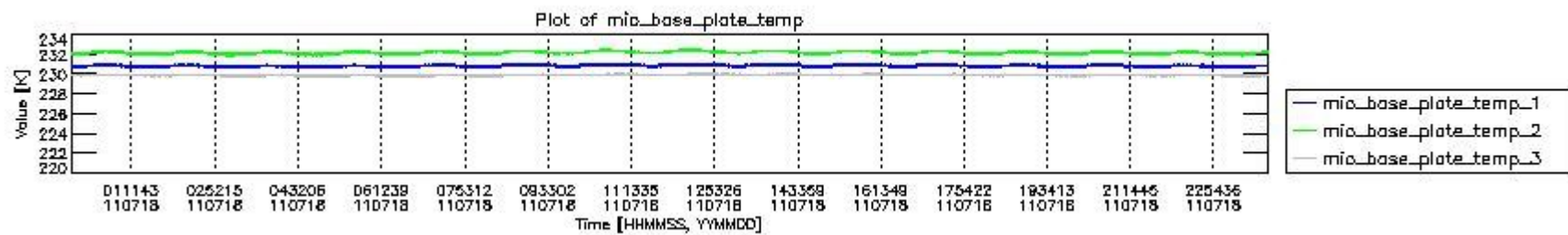
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124483	1	0.0023991747
124800	38709	92.869653

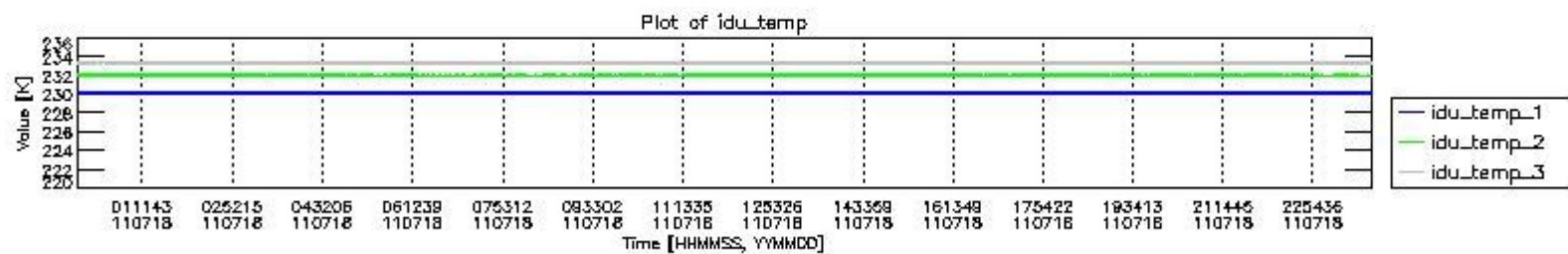
124803	2963	7.1087546
127233	1	0.0023991747
128274	1	0.0023991747
144298	1	0.0023991747
144615	1	0.0023991747
147365	1	0.0023991747
148406	1	0.0023991747
149798	1	0.0023991747
151880	1	0.0023991747



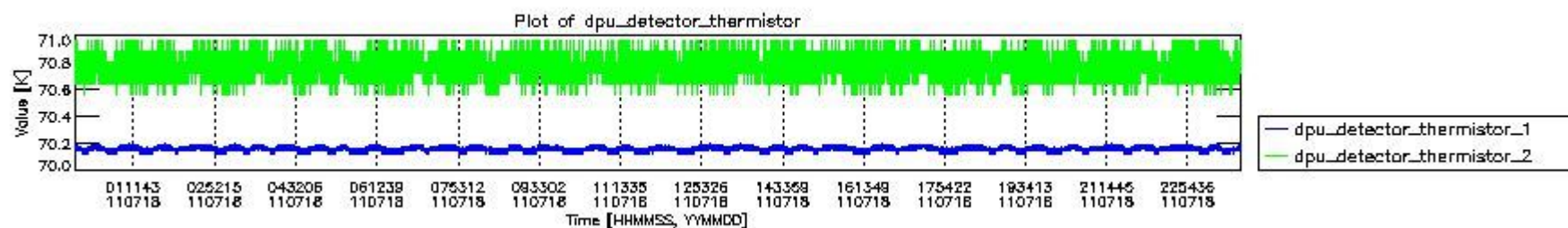
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110718\_0.PNG



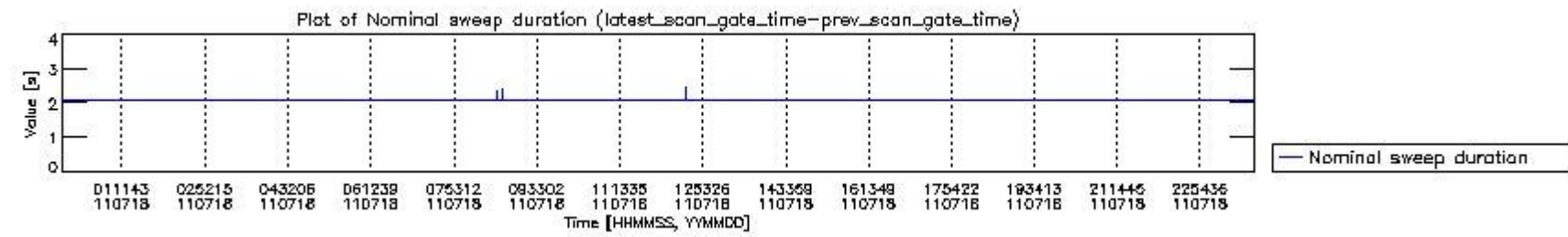
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110718\_1.PNG



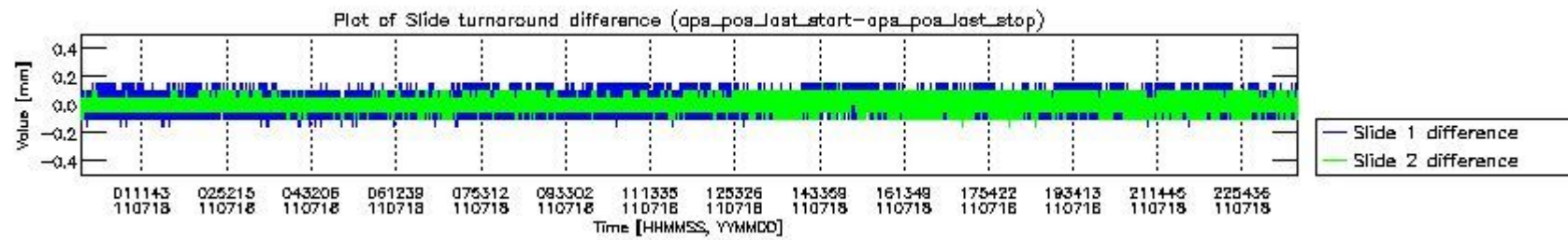
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110718\_2.PNG



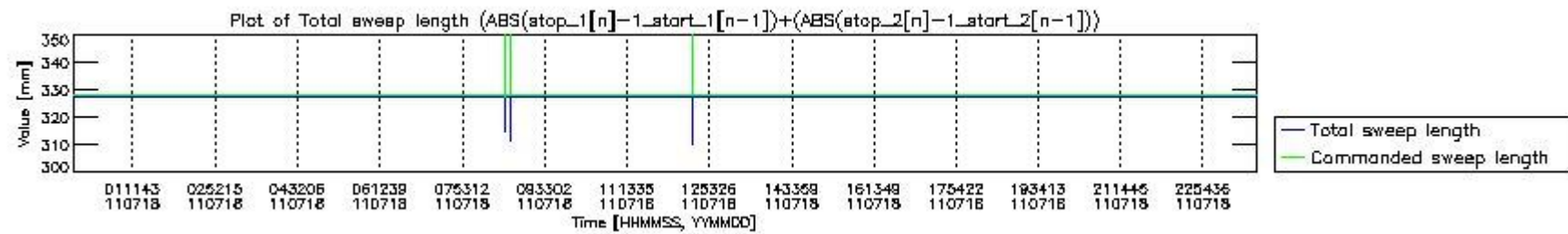
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110718\_3.PNG



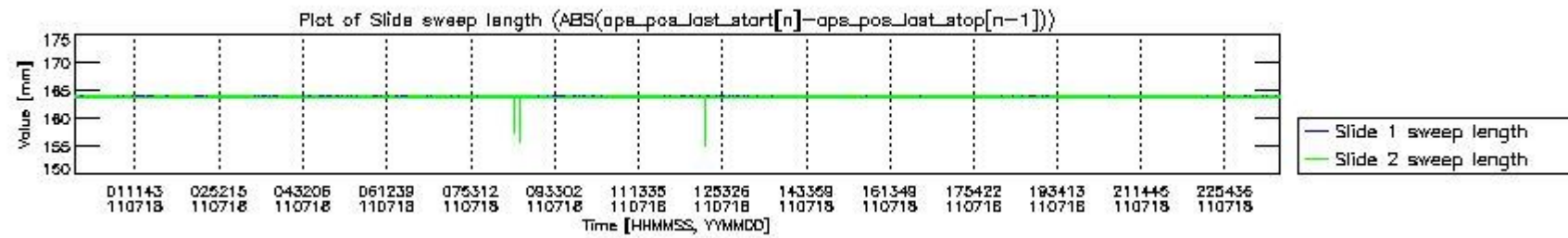
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110718\_4.PNG



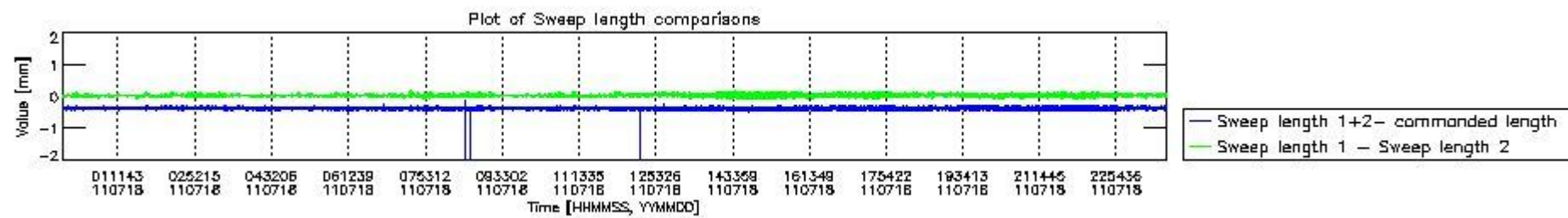
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110718\_5.PNG



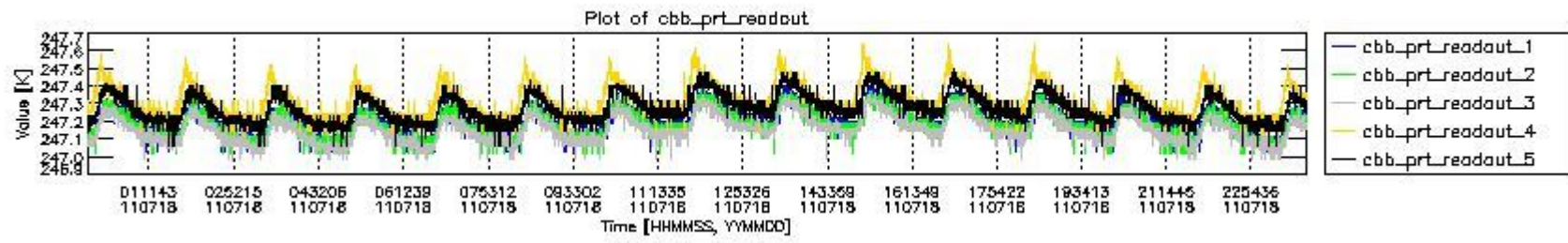
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110718\_6.PNG



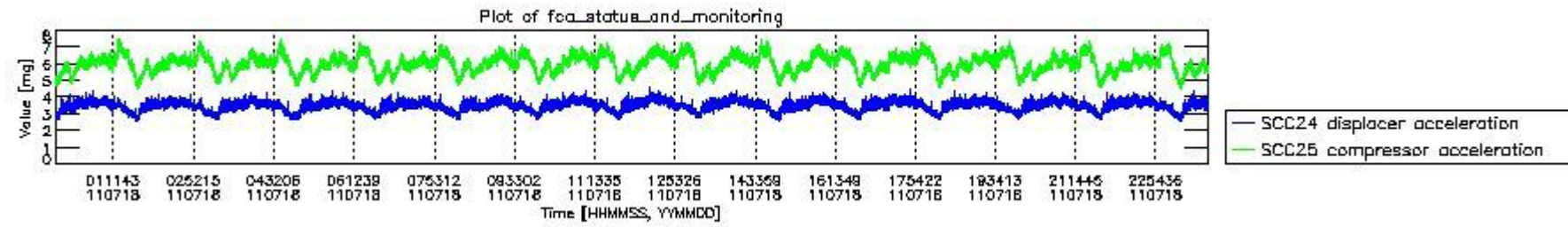
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110718\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110718\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110718\_9.PNG

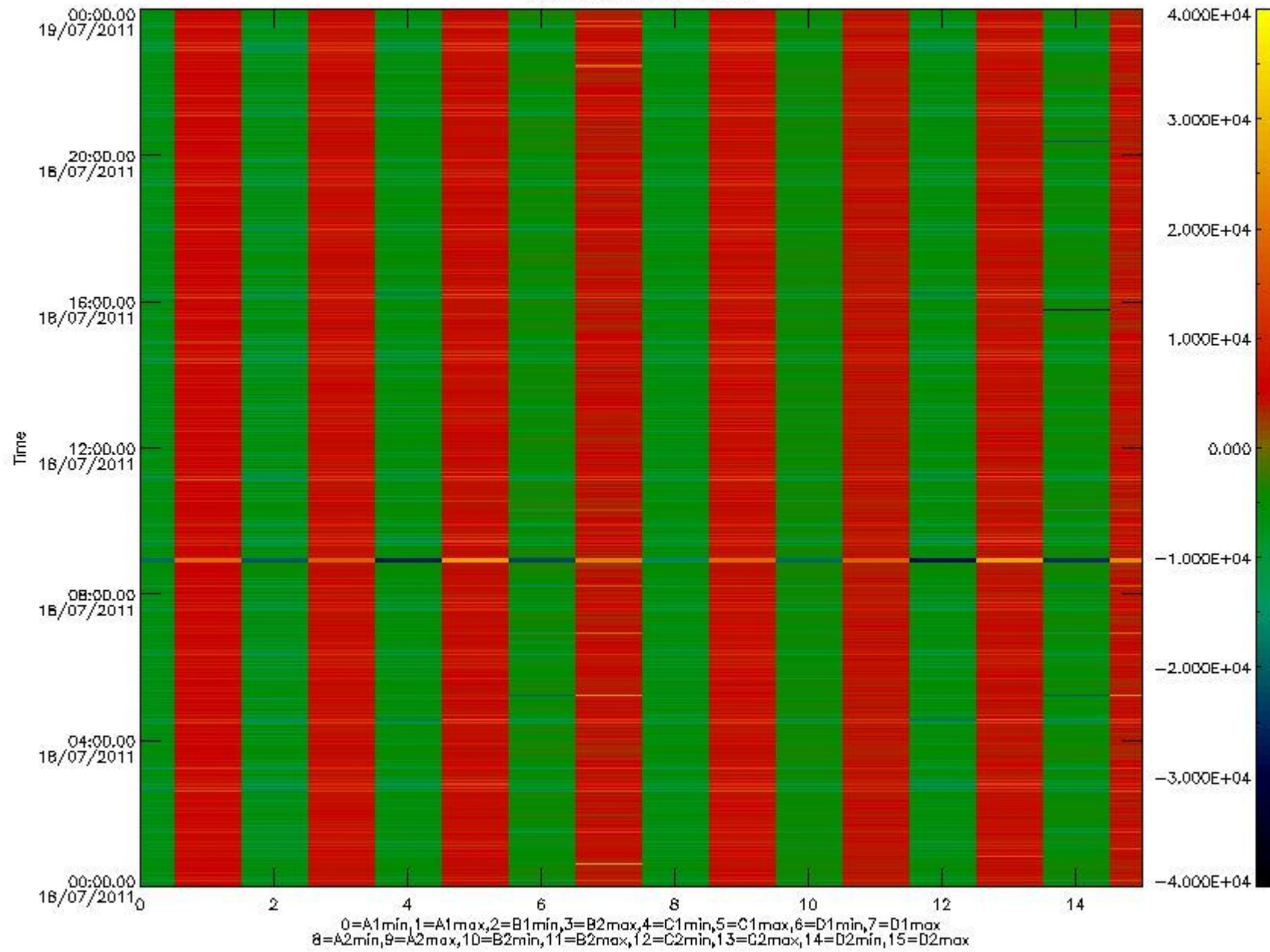


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110718\_10.PNG

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

Channel	Min	Max	ADC
A1	-19026	20356	16bit
B1	-21572	18460	16bit
C1	-27513	27454	16bit
D1	-32768	32767	16bit
A2	-16274	20122	16bit
B2	-19905	19472	16bit
C2	-28577	28231	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\_20110718\_11.PNG

### 0.3 ADF monitoring

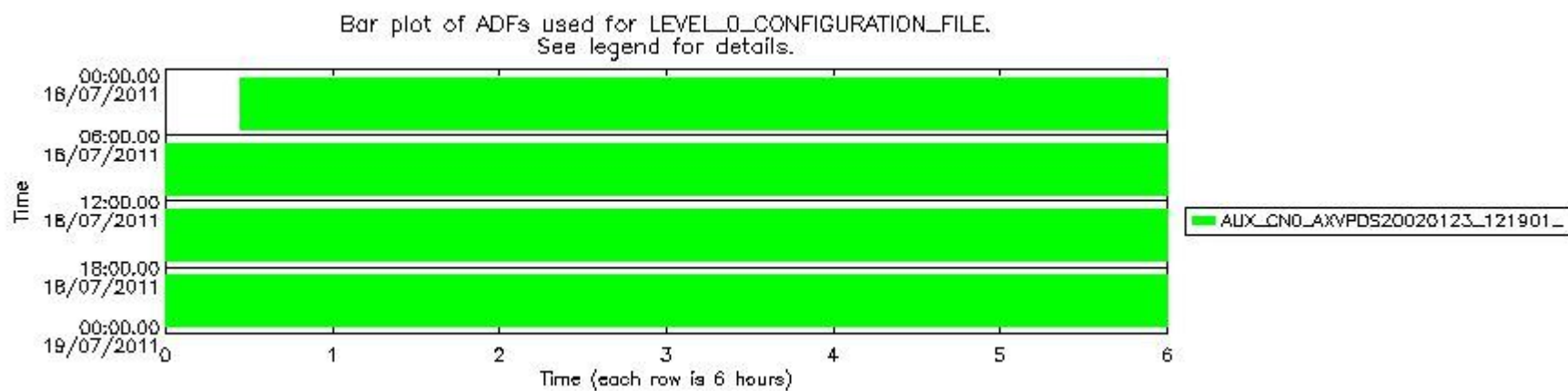
The use of ADFs is shown in two ways:

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.

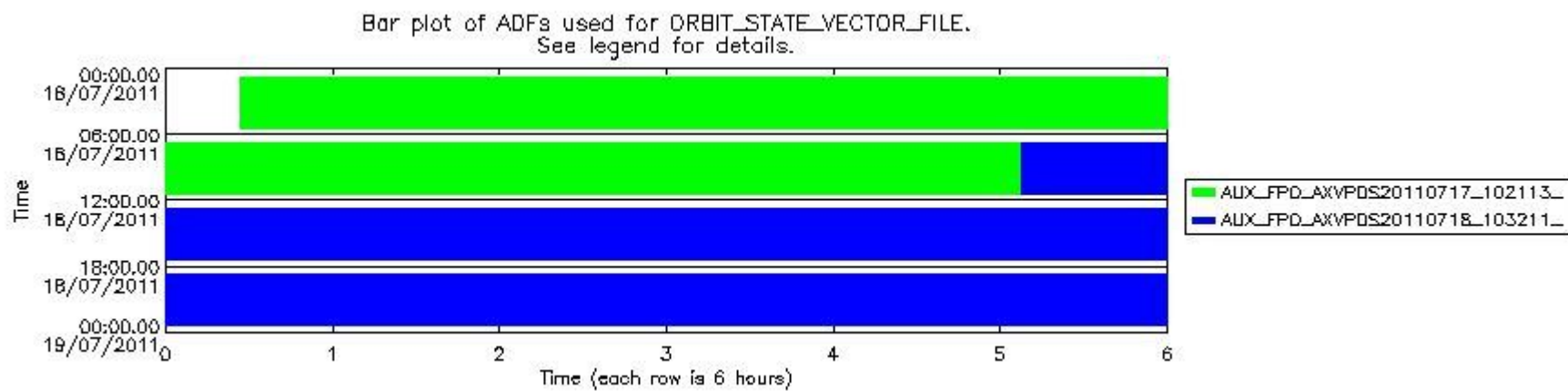
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110717_102113_20110716_183545_20110726_204933
2	AUX_FPO_AXVPDS20110718_103211_20110717_193915_20110727_201249

Number	Product name	#CN0	#FPO
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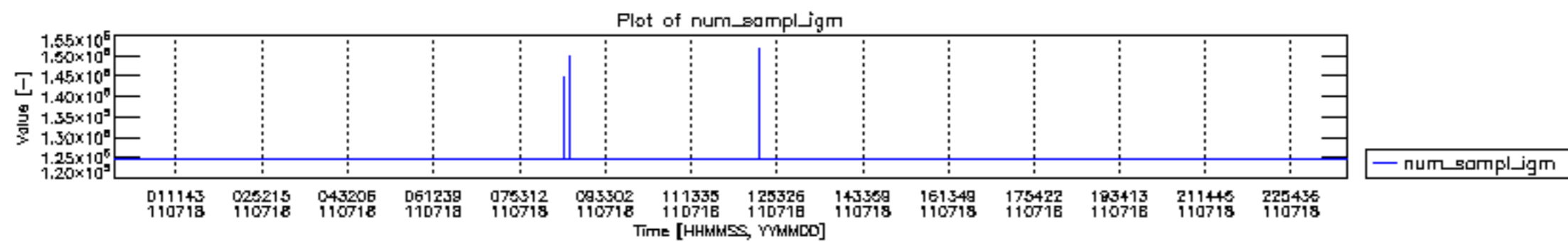
0	MIP_NL__0PNPDE20110718_002706_000059663104_00332_49053_9256.N1	0	1
1	MIP_NL__0PNPDE20110718_020528_000044963104_00333_49054_9257.N1	0	1
2	MIP_NL__0PNPDE20110718_031948_000061113104_00334_49055_9258.N1	0	1
3	MIP_NL__0PNPDE20110718_050103_000060563104_00335_49056_9259.N1	0	1
4	MIP_NL__0PNPDK20110718_064124_000040573104_00336_49057_5801.N1	0	1
5	MIP_NL__0PNPDK20110718_074823_000061263104_00337_49058_5802.N1	0	1
6	MIP_NL__0PNPDK20110718_092939_000059463104_00338_49059_5803.N1	0	1
7	MIP_NL__0PNPDK20110718_110757_000060653104_00339_49060_5804.N1	0	2
8	MIP_NL__0PNPDK20110718_124824_000059293104_00340_49061_5805.N1	0	2
9	MIP_NL__0PNPDK20110718_142632_000057873104_00341_49062_5806.N1	0	2
10	MIP_NL__0PNPDK20110718_160200_000059123104_00342_49063_5807.N1	0	2
11	MIP_NL__0PNPDK20110718_173927_000059873104_00343_49064_5808.N1	0	2
12	MIP_NL__0PNPDK20110718_191807_000060943104_00344_49065_5809.N1	0	2
13	MIP_NL__0PNPDE20110718_205736_000044183104_00345_49066_9260.N1	0	2
14	MIP_NL__0PNPDE20110718_221010_000060423104_00345_49066_9261.N1	0	2
15	MIP_NL__0PNPDE20110718_234944_000060903104_00346_49067_9262.N1	0	2

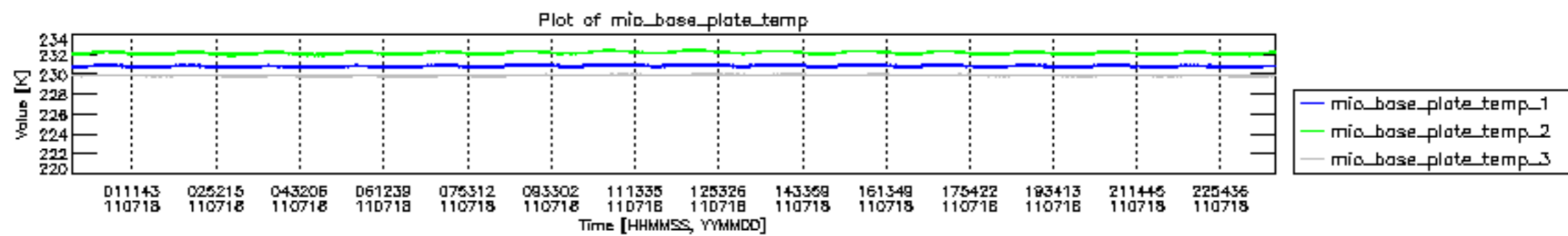


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110718\_12.PNG

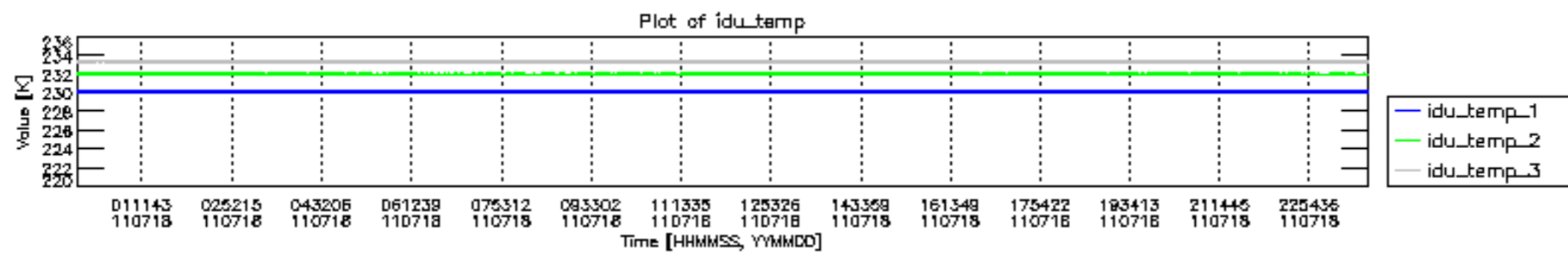


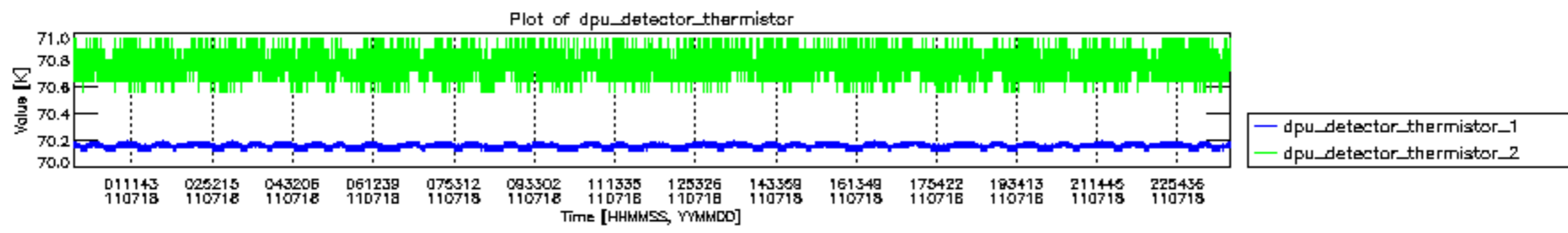
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110718\_13.PNG

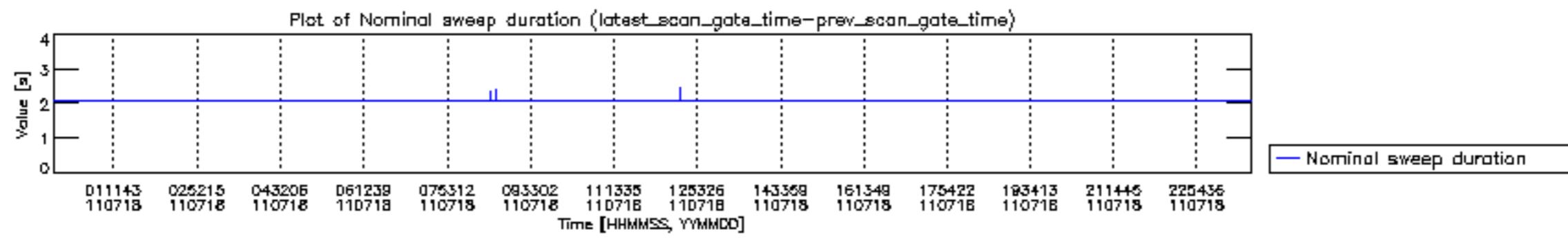


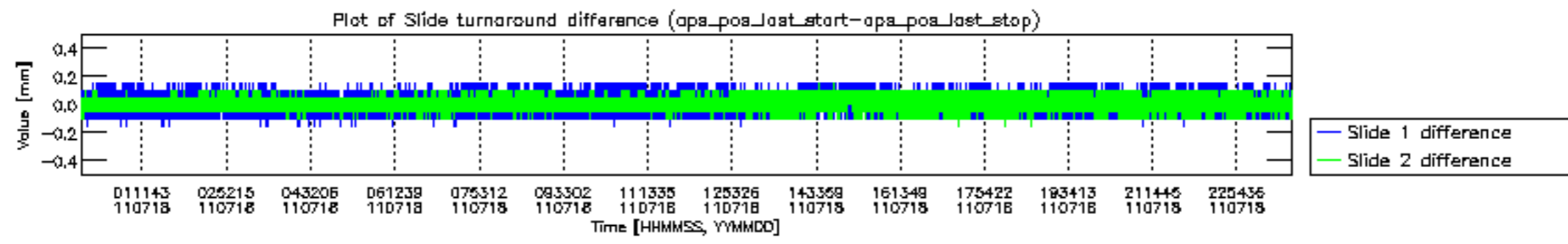


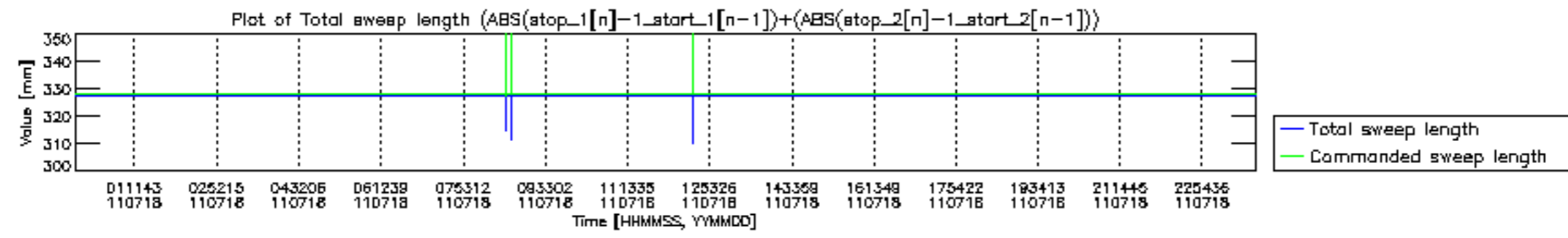


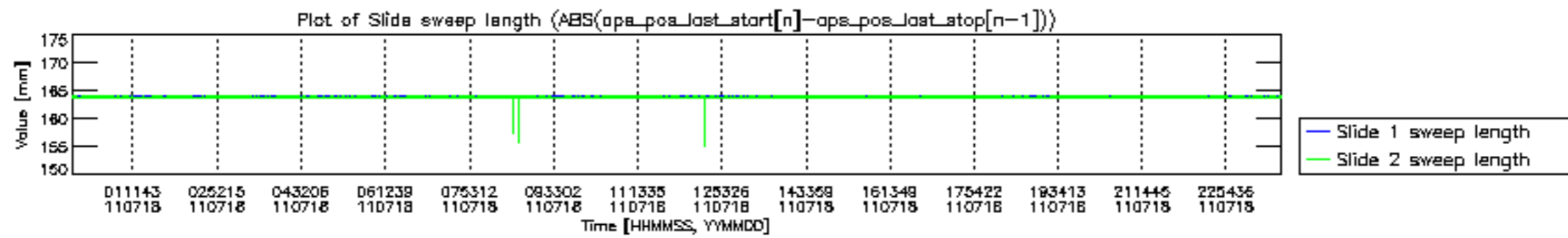


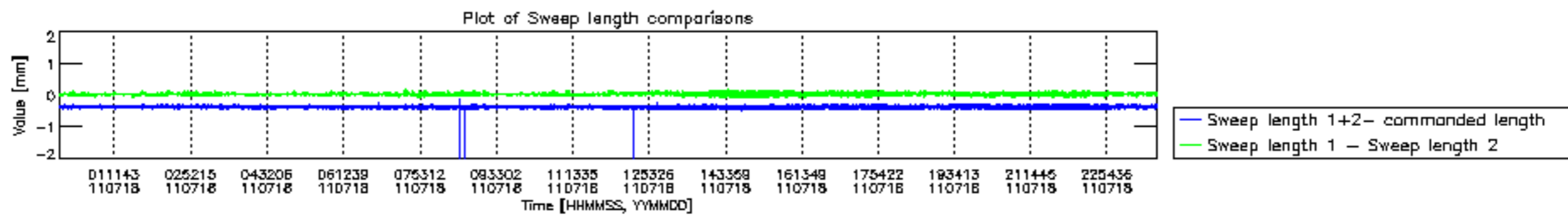


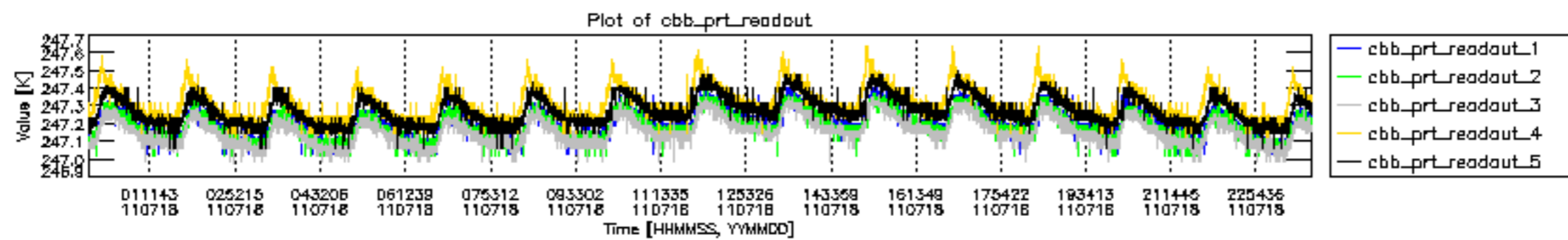




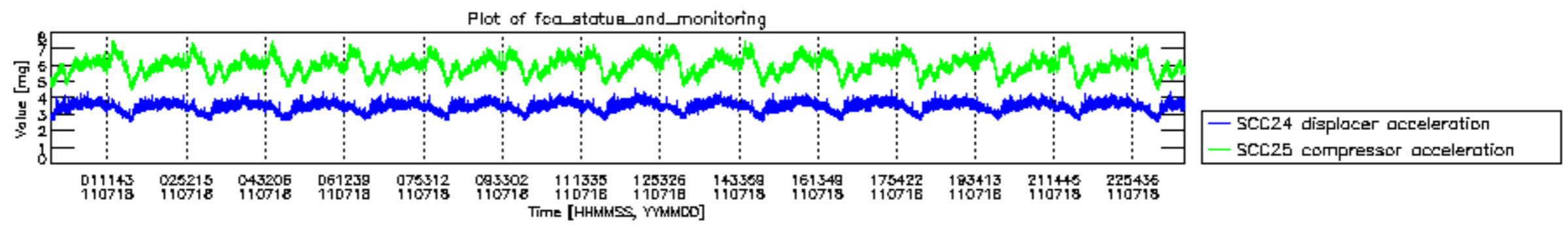












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

