

## 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	22SEP2011 05:22:05
Data source version	KSPT_L0/4504-N
Processing scope for products	17SEP2011 00:00:00 to 18SEP2011 00:00:00
Start time of first product within scope	17SEP2011 01:30:49
Stop time of last product within scope	18SEP2011 00:56:14
Total number of level 0 products	16
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__0PNPDE20110917_013049_000043873106_00347_49930_9652.N1	17SEP2011 01:30:49	17SEP2011 02:43:56	0	0	0	0	0
1	MIP_NL__0PNPDE20110917_015201_000031153106_00348_49931_9657.N1	17SEP2011 01:52:01	17SEP2011 02:43:56	0	0	0	0	0
2	MIP_NL__0PNPDE20110917_024325_000061483106_00348_49931_9653.N1	17SEP2011 02:43:25	17SEP2011 04:25:53	0	0	0	0	0
3	MIP_NL__0PNPDE20110917_042519_000060523106_00349_49932_9654.N1	17SEP2011 04:25:19	17SEP2011 06:06:11	0	0	0	0	0
4	MIP_NL__0PNPDK20110917_060538_000041133106_00350_49933_6335.N1	17SEP2011 06:05:38	17SEP2011 07:14:11	0	0	0	0	0
5	MIP_NL__0PNPDK20110917_071338_000060843106_00351_49934_6336.N1	17SEP2011 07:13:38	17SEP2011 08:55:02	0	0	0	0	0
6	MIP_NL__0PNPDK20110917_085422_000060163106_00352_49935_6337.N1	17SEP2011 08:54:22	17SEP2011 10:34:38	0	0	0	0	0
7	MIP_NL__0PNPDK20110917_103359_000059563106_00353_49936_6338.N1	17SEP2011 10:33:59	17SEP2011 12:13:14	0	0	0	0	0
8	MIP_NL__0PNPDK20110917_121241_000059163106_00354_49937_6339.N1	17SEP2011 12:12:41	17SEP2011 13:51:17	0	0	0	0	0
9	MIP_NL__0PNPDK20110917_135020_000059353106_00355_49938_6340.N1	17SEP2011 13:50:20	17SEP2011 15:29:15	0	0	0	0	0
10	MIP_NL__0PNPDK20110917_152739_000059813106_00356_49939_6341.N1	17SEP2011 15:27:39	17SEP2011 17:07:20	0	0	0	0	0
11	MIP_NL__0PNPDK20110917_170622_000059063106_00357_49940_6342.N1	17SEP2011 17:06:22	17SEP2011 18:44:47	0	0	0	0	0
12	MIP_NL__0PNPDK20110917_184353_000059913106_00358_49941_6343.N1	17SEP2011 18:43:53	17SEP2011 20:23:44	0	0	0	0	0
13	MIP_NL__0PNPDE20110917_202159_000043663106_00359_49942_9658.N1	17SEP2011 20:21:59	17SEP2011 21:34:45	0	0	0	0	0
14	MIP_NL__0PNPDE20110917_213343_000062083106_00359_49942_9659.N1	17SEP2011 21:33:43	17SEP2011 23:17:11	0	0	0	0	0
15	MIP_NL__0PNPDE20110917_231606_000060083106_00360_49943_9660.N1	17SEP2011 23:16:06	18SEP2011 00:56:14	0	0	0	0	0

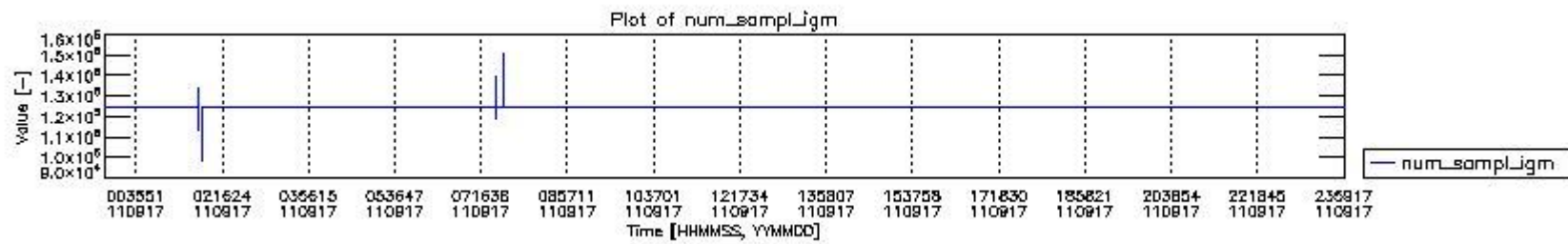
## 0.2 Instrument Operational Performance Parameters

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.

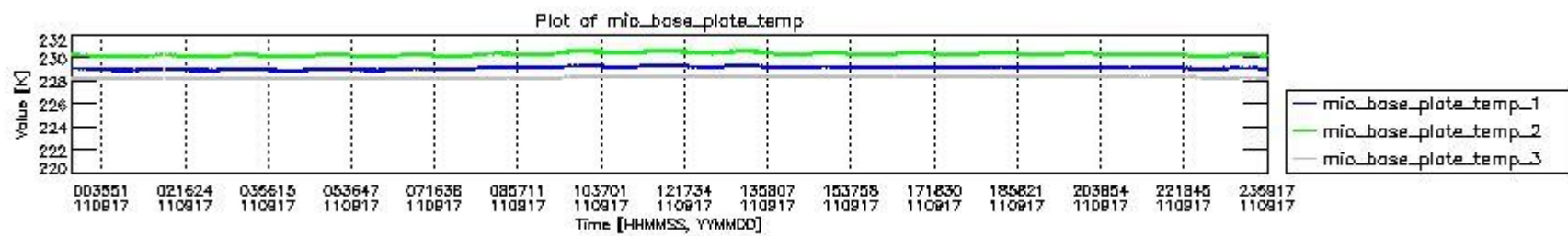
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
98699	1	0.0024117888
113331	1	0.0024117888

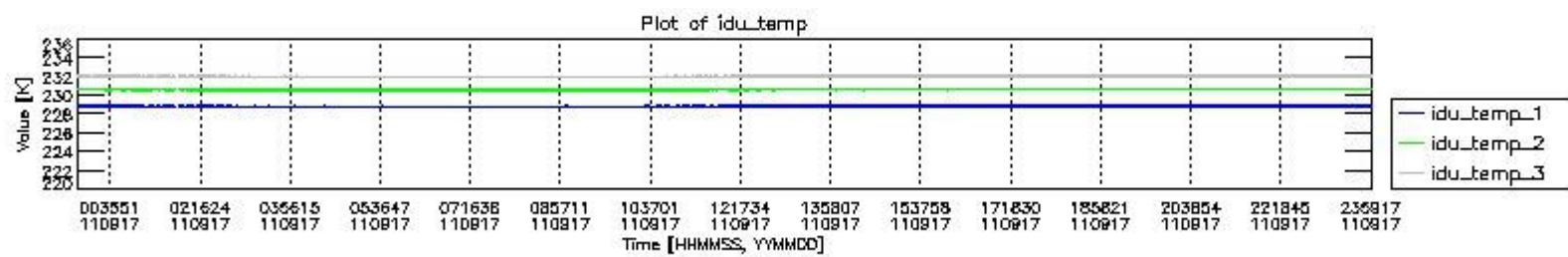
118981	1	0.0024117888
121994	1	0.0024117888
123102	1	0.0024117888
123951	1	0.0024117888
124800	38524	92.911753
124803	2927	7.0593059
127828	1	0.0024117888
133294	1	0.0024117888
133463	1	0.0024117888
139113	1	0.0024117888
147960	1	0.0024117888
150988	1	0.0024117888



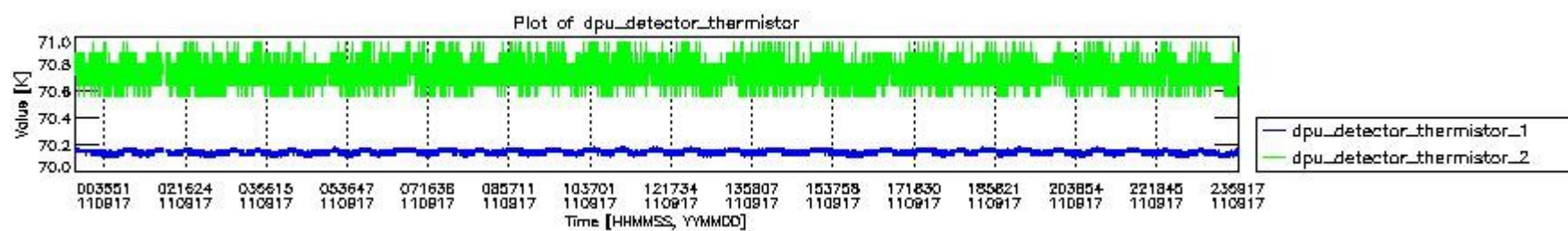
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110917\_0.PNG



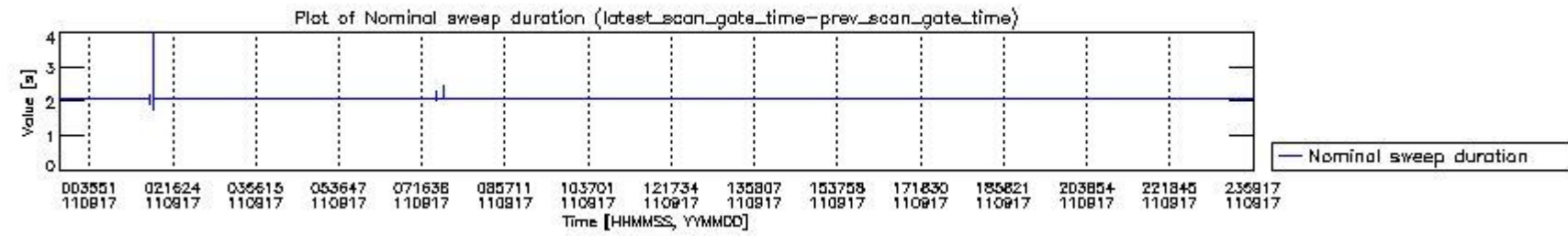
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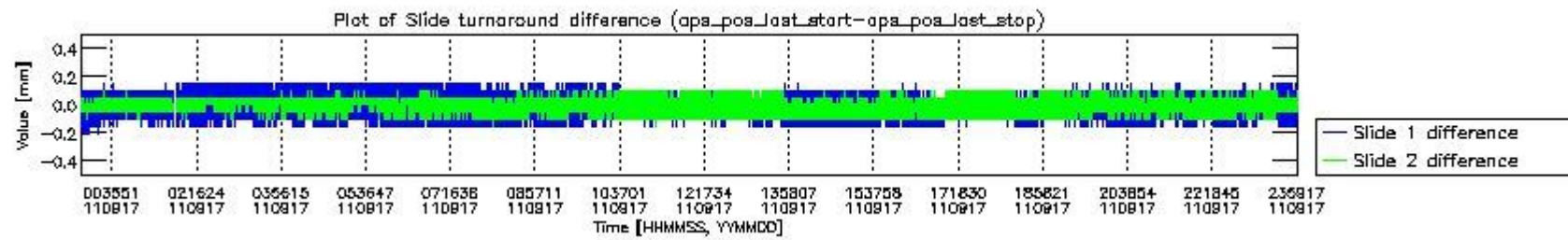
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110917\_2.PNG



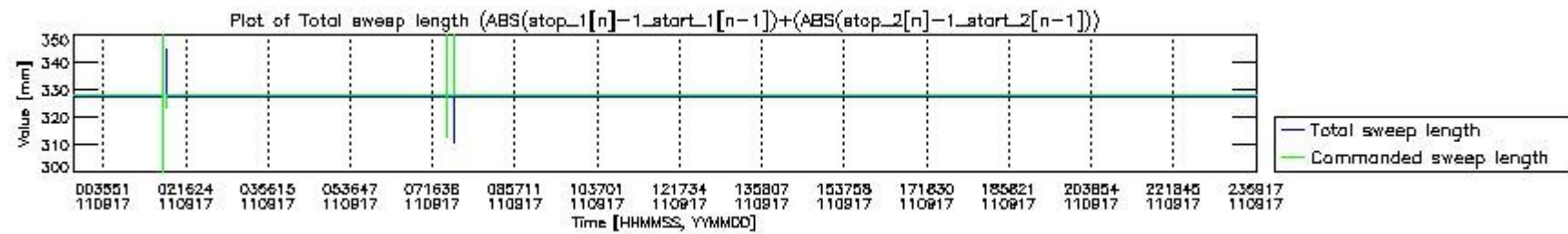
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110917\_3.PNG



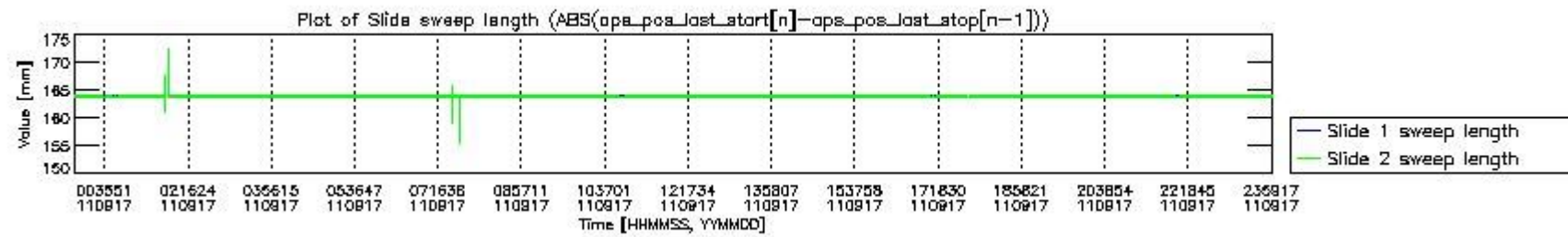
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110917\_4.PNG



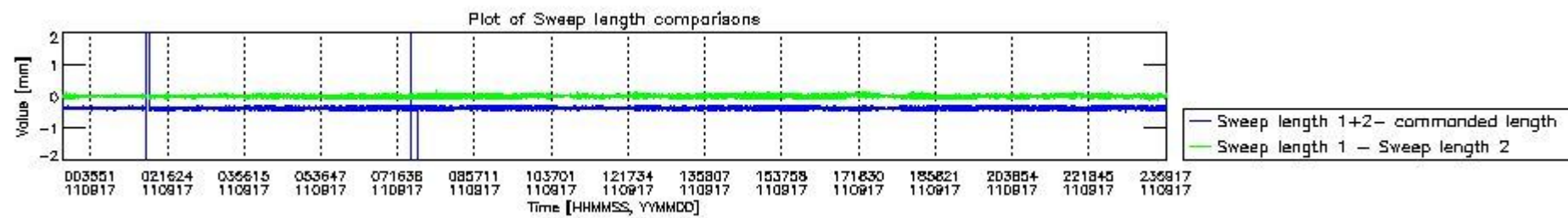
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110917\_5.PNG



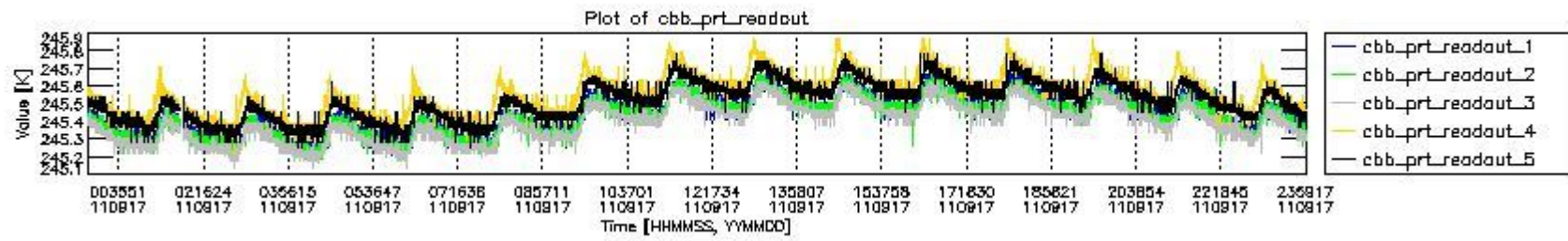
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110917\_6.PNG



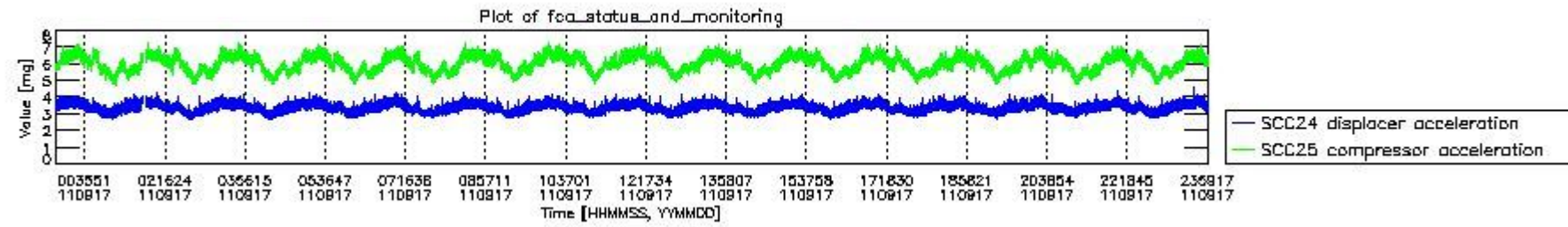
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110917\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110917\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110917\_9.PNG

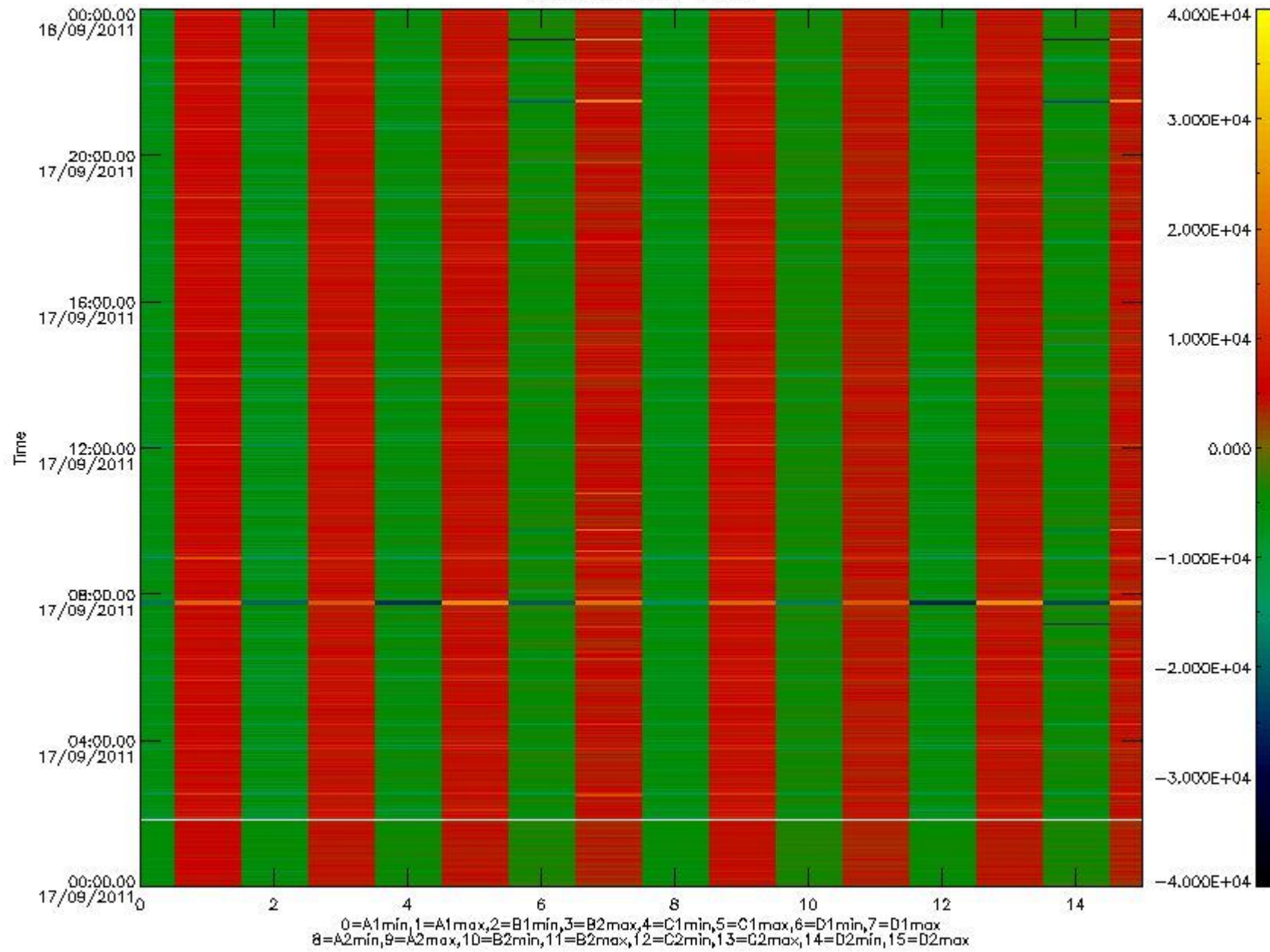


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110917\_10.PNG

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

Channel	Min	Max	ADC
A1	-18200	19334	16bit
B1	-20538	17673	16bit
C1	-25437	25316	16bit
D1	-32768	32767	16bit
A2	-15809	19561	16bit
B2	-18324	18030	16bit
C2	-26486	26067	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\_20110917\_11.PNG

### 0.3 ADF monitoring

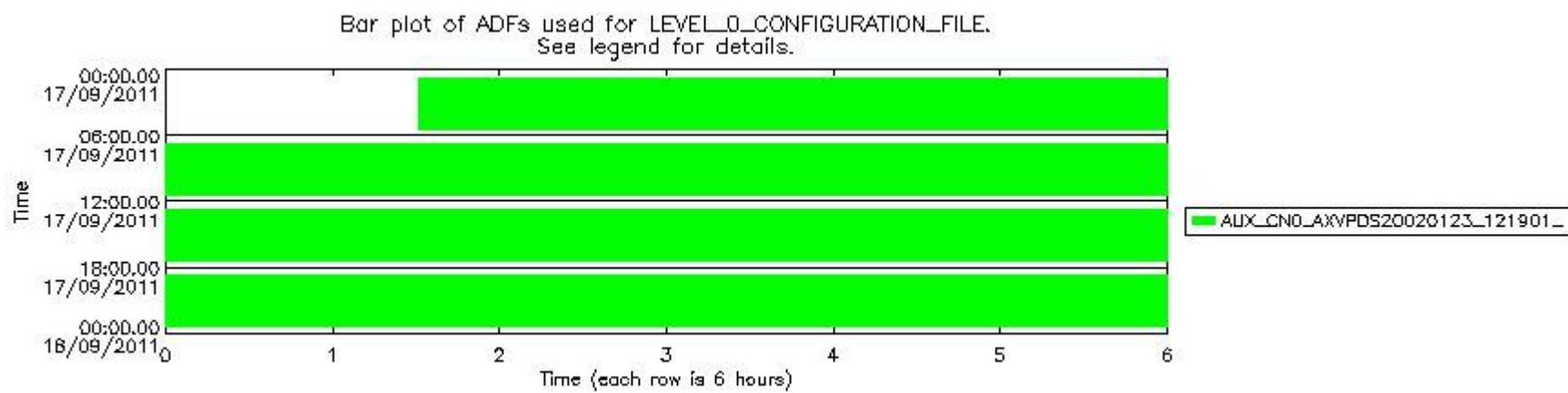
The use of ADFs is shown in two ways:

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.

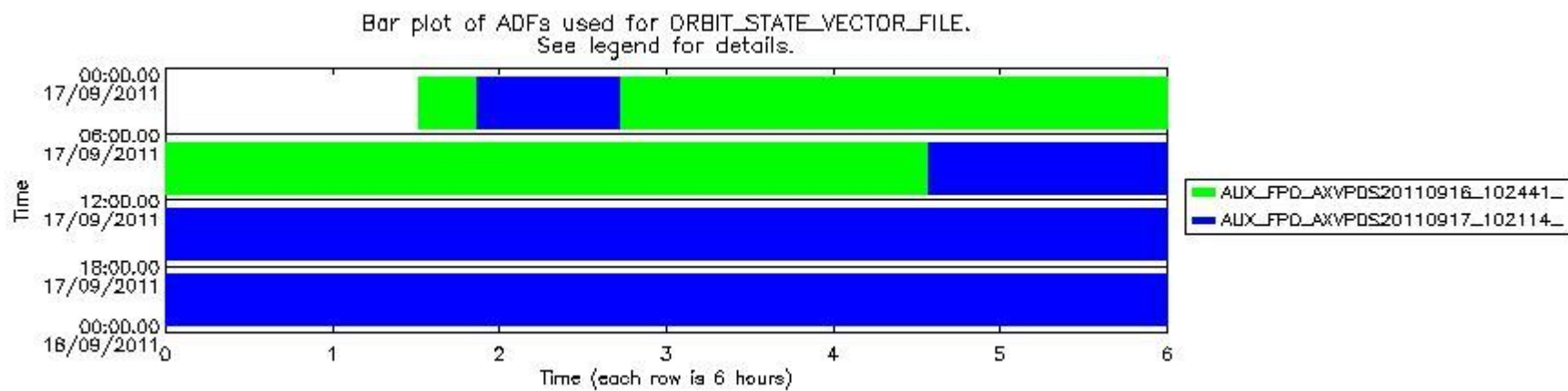
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110916_102441_20110915_194001_20110925_201331
2	AUX_FPO_AXVPDS20110917_102114_20110916_190316_20110926_211700

Number	Product name	#CN0	#FPO
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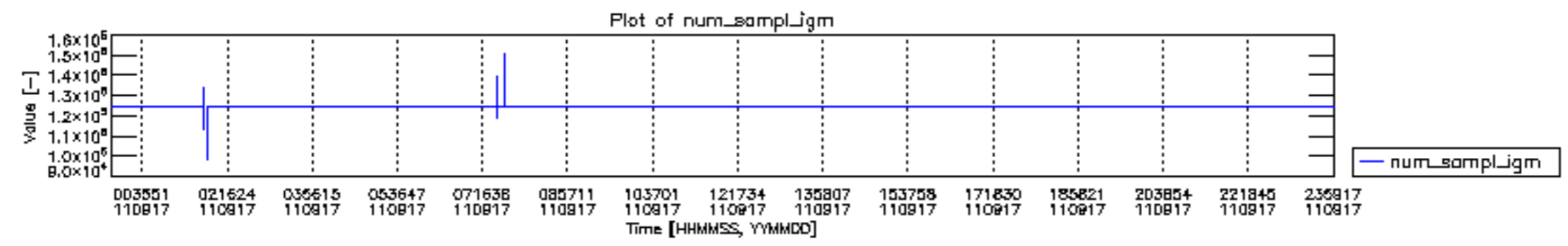
0	MIP_NL__0PNPDE20110917_013049_000043873106_00347_49930_9652.N1	0	1
1	MIP_NL__0PNPDE20110917_015201_000031153106_00348_49931_9657.N1	0	2
2	MIP_NL__0PNPDE20110917_024325_000061483106_00348_49931_9653.N1	0	1
3	MIP_NL__0PNPDE20110917_042519_000060523106_00349_49932_9654.N1	0	1
4	MIP_NL__0PNPDK20110917_060538_000041133106_00350_49933_6335.N1	0	1
5	MIP_NL__0PNPDK20110917_071338_000060843106_00351_49934_6336.N1	0	1
6	MIP_NL__0PNPDK20110917_085422_000060163106_00352_49935_6337.N1	0	1
7	MIP_NL__0PNPDK20110917_103359_000059563106_00353_49936_6338.N1	0	2
8	MIP_NL__0PNPDK20110917_121241_000059163106_00354_49937_6339.N1	0	2
9	MIP_NL__0PNPDK20110917_135020_000059353106_00355_49938_6340.N1	0	2
10	MIP_NL__0PNPDK20110917_152739_000059813106_00356_49939_6341.N1	0	2
11	MIP_NL__0PNPDK20110917_170622_000059063106_00357_49940_6342.N1	0	2
12	MIP_NL__0PNPDK20110917_184353_000059913106_00358_49941_6343.N1	0	2
13	MIP_NL__0PNPDE20110917_202159_000043663106_00359_49942_9658.N1	0	2
14	MIP_NL__0PNPDE20110917_213343_000062083106_00359_49942_9659.N1	0	2
15	MIP_NL__0PNPDE20110917_231606_000060083106_00360_49943_9660.N1	0	2

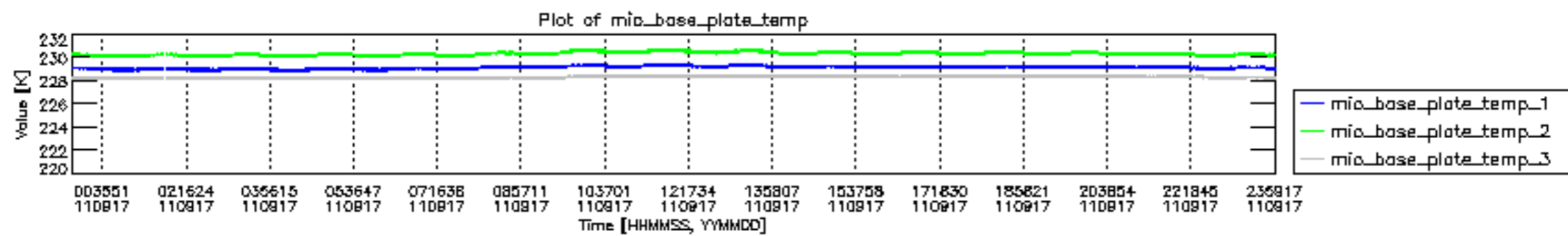


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110917\_12.PNG

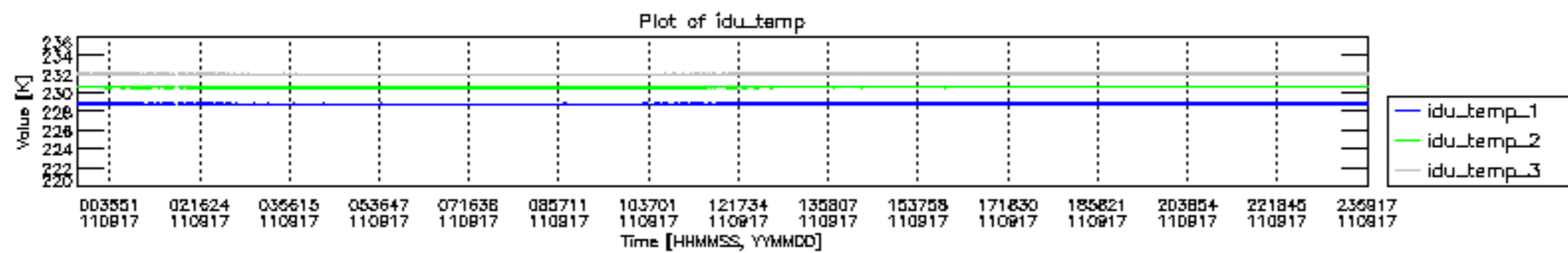


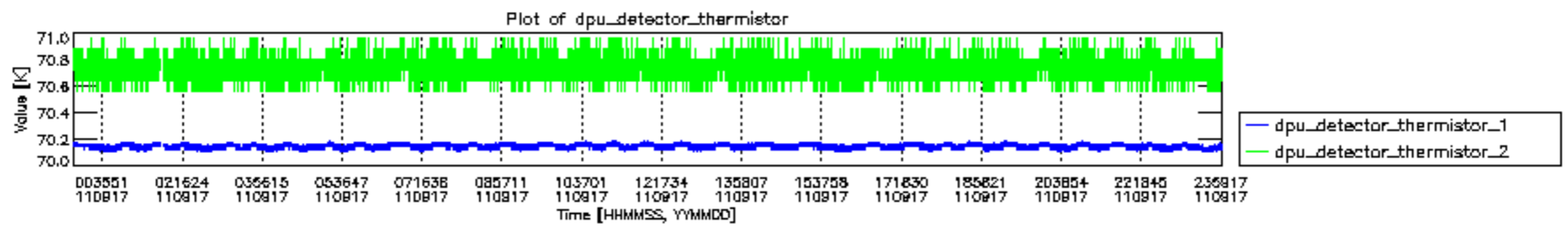
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110917\_13.PNG

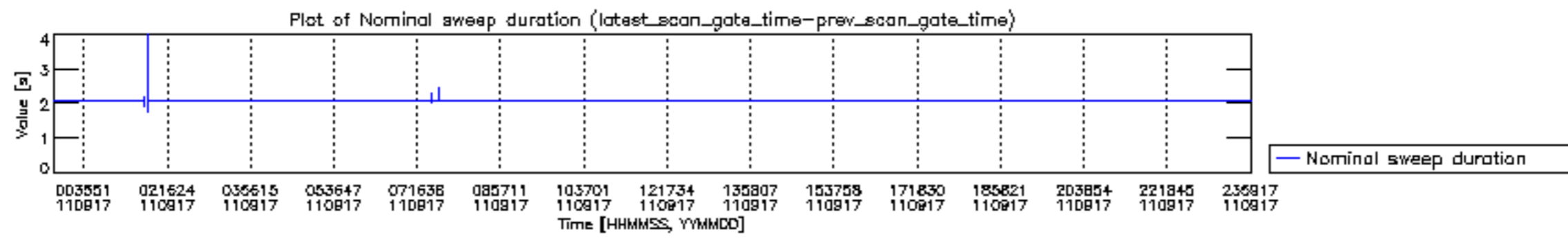


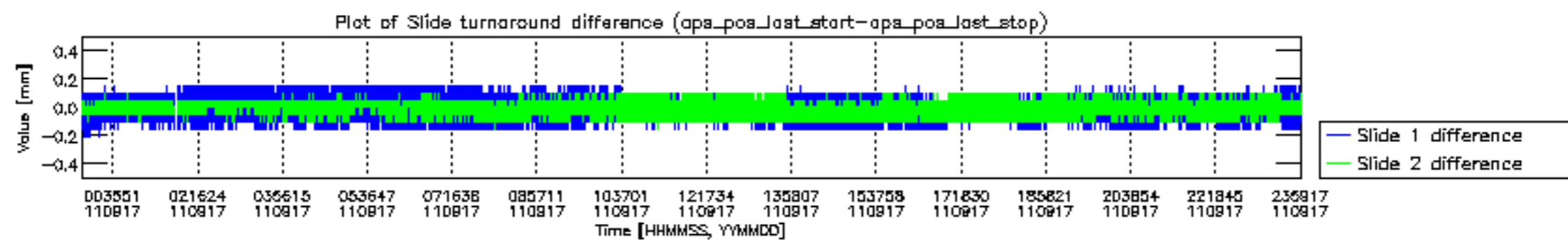


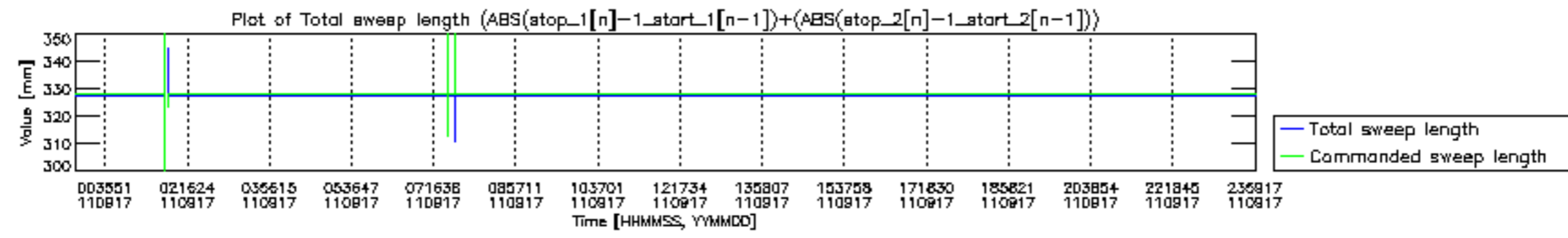


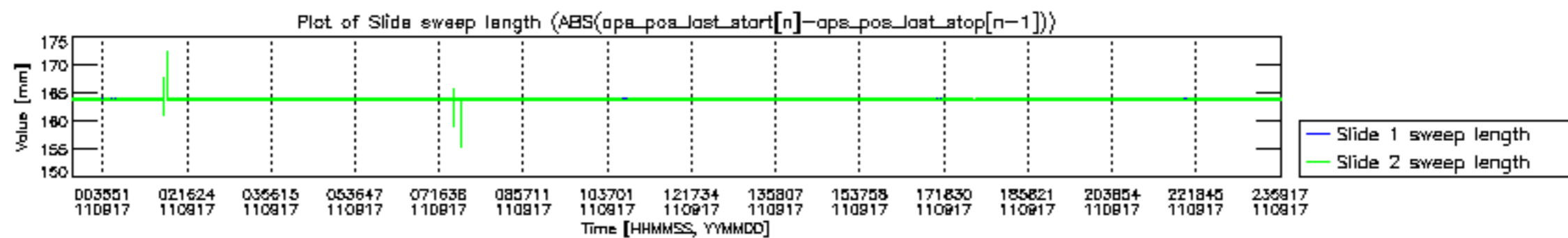


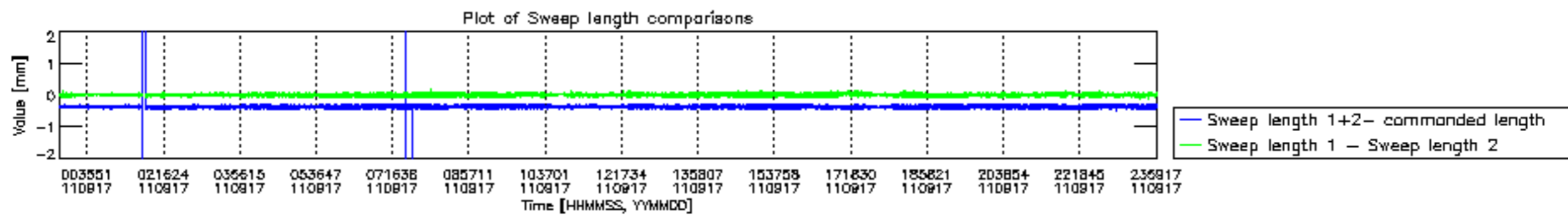


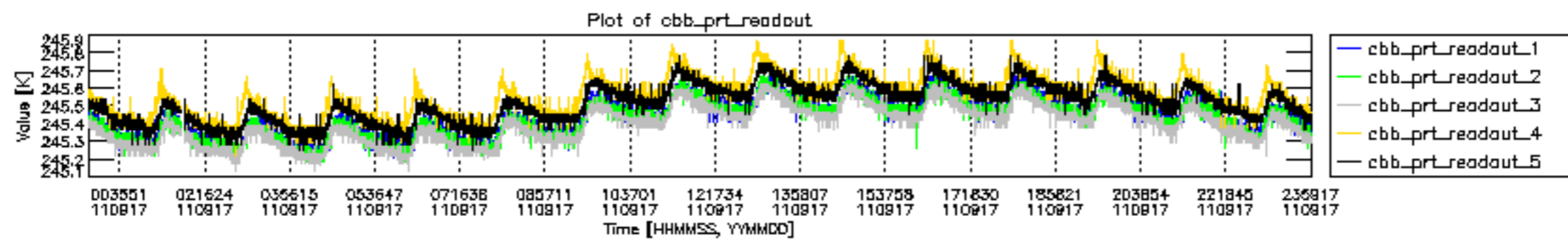




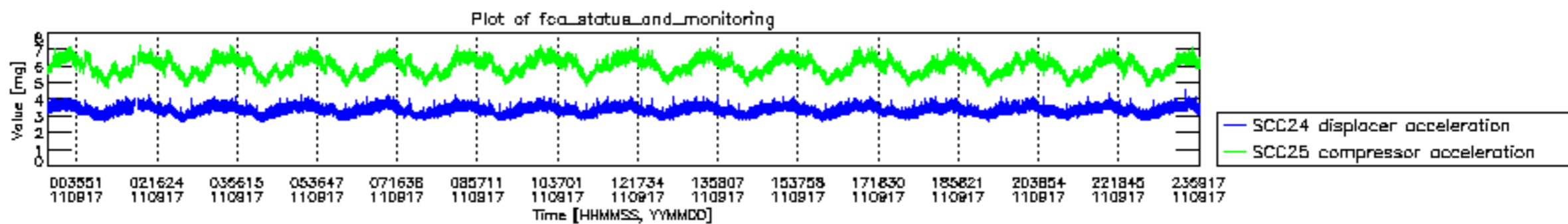












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

