

## 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	13JUN2011 05:24:26
Data source version	KSPT_L0/4504-N
Processing scope for products	08JUN2011 00:00:00 to 09JUN2011 00:00:00
Start time of first product within scope	08JUN2011 01:33:36
Stop time of last product within scope	09JUN2011 00:59:26
Total number of level 0 products	13
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__0PNPDE20110608_013336_000043643103_00189_48479_8989.N1	08JUN2011 01:33:36	08JUN2011 02:46:20	0	0	0	0	0
1	MIP_NL__0PNPDK20110608_060746_000041223103_00192_48482_5403.N1	08JUN2011 06:07:46	08JUN2011 07:16:28	0	0	0	0	0
2	MIP_NL__0PNPDK20110608_071554_000060493103_00193_48483_5404.N1	08JUN2011 07:15:54	08JUN2011 08:56:43	0	0	0	0	0
3	MIP_NL__0PNPDK20110608_085601_000059913103_00194_48484_5405.N1	08JUN2011 08:56:01	08JUN2011 10:35:53	0	0	0	0	0
4	MIP_NL__0PNPDK20110608_103509_000060483103_00195_48485_5406.N1	08JUN2011 10:35:09	08JUN2011 12:15:57	0	0	0	0	0
5	MIP_NL__0PNPDK20110608_121515_000059223103_00196_48486_5407.N1	08JUN2011 12:15:15	08JUN2011 13:53:58	0	0	0	0	0
6	MIP_NL__0PNPDK20110608_135324_000058703103_00197_48487_5408.N1	08JUN2011 13:53:24	08JUN2011 15:31:14	0	0	0	0	0
7	MIP_NL__0PNPDK20110608_153028_000059293103_00198_48488_5409.N1	08JUN2011 15:30:28	08JUN2011 17:09:17	0	0	0	0	0
8	MIP_NL__0PNPDK20110608_170833_000059063103_00199_48489_5410.N1	08JUN2011 17:08:33	08JUN2011 18:46:59	0	0	0	0	0
9	MIP_NL__0PNPDK20110608_184605_000058603103_00200_48490_5411.N1	08JUN2011 18:46:05	08JUN2011 20:23:44	0	0	0	0	0
10	MIP_NL__0PNPDE20110608_202236_000044893103_00201_48491_8990.N1	08JUN2011 20:22:36	08JUN2011 21:37:25	0	0	0	0	0
11	MIP_NL__0PNPDE20110608_213622_000061153103_00201_48491_8991.N1	08JUN2011 21:36:22	08JUN2011 23:18:17	0	0	0	0	0
12	MIP_NL__0PNPDE20110608_231712_000061333103_00202_48492_8992.N1	08JUN2011 23:17:12	09JUN2011 00:59:26	0	0	0	0	0

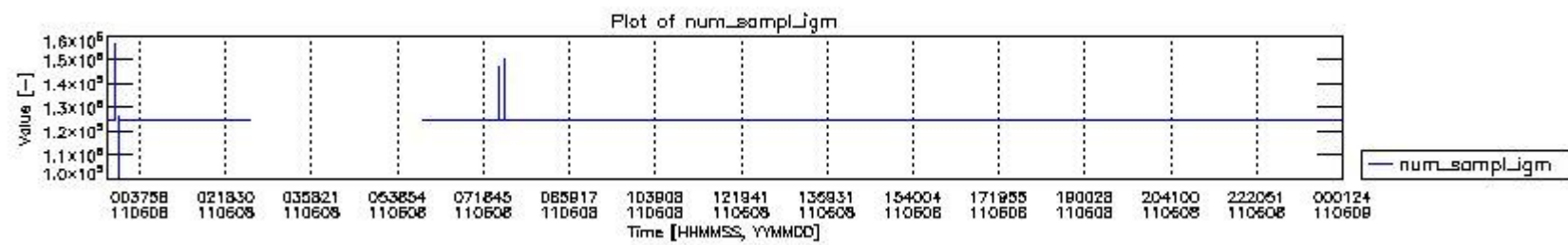
## 0.2 Instrument Operational Performance Parameters

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.

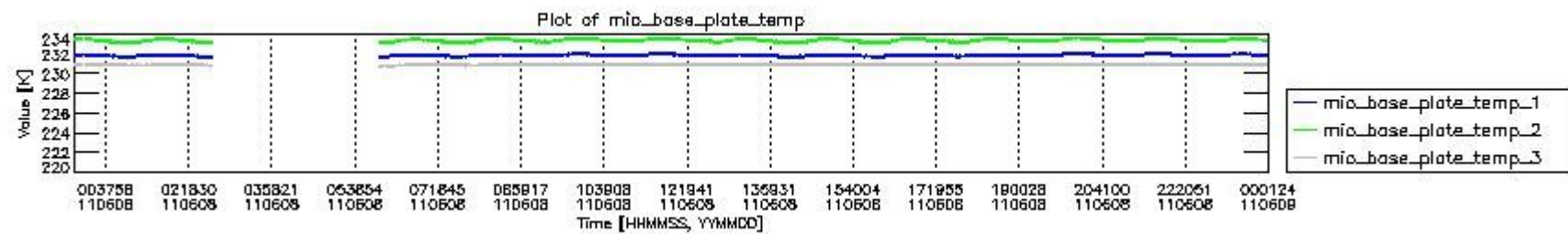
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100483	1	0.0028073328
124800	33231	93.290475
124803	2378	6.6758373
125735	1	0.0028073328
125746	1	0.0028073328

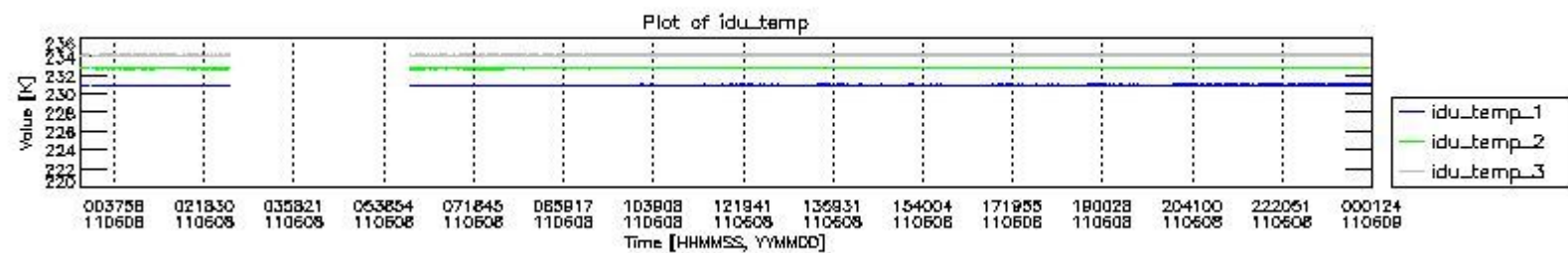
126670	1	0.0028073328
127456	1	0.0028073328
130876	1	0.0028073328
145878	1	0.0028073328
146824	1	0.0028073328
147588	1	0.0028073328
150244	1	0.0028073328
151008	1	0.0028073328
157084	1	0.0028073328



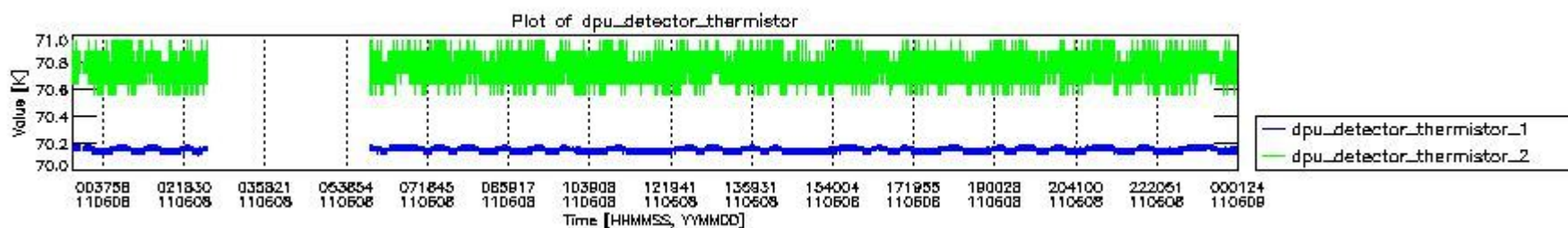
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110608\_0.PNG



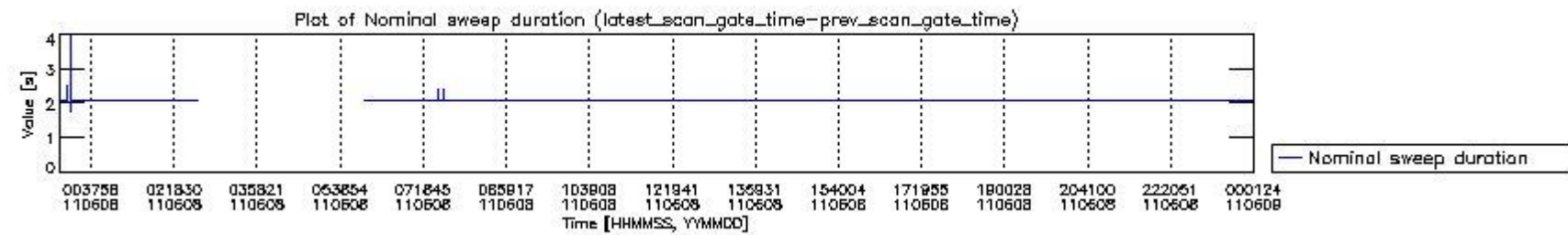
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110608\_1.PNG



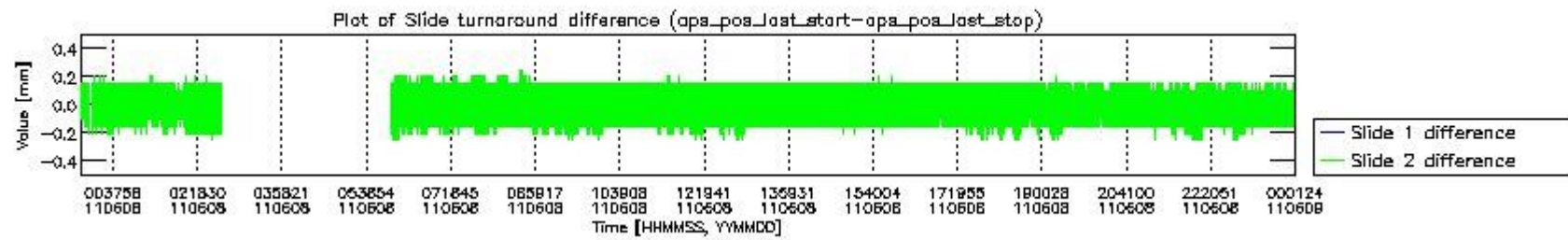
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110608\_2.PNG



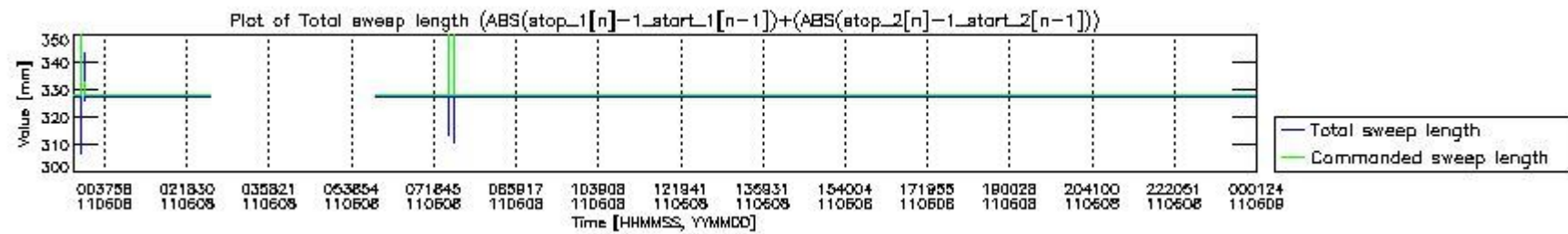
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110608\_3.PNG



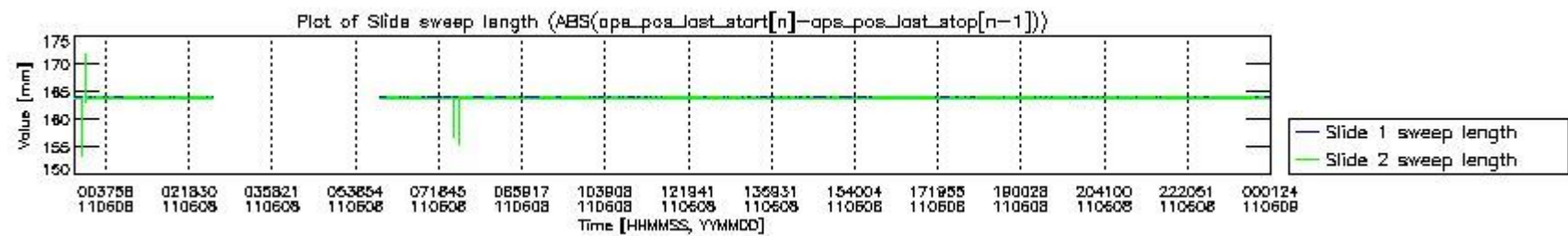
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110608\_4.PNG



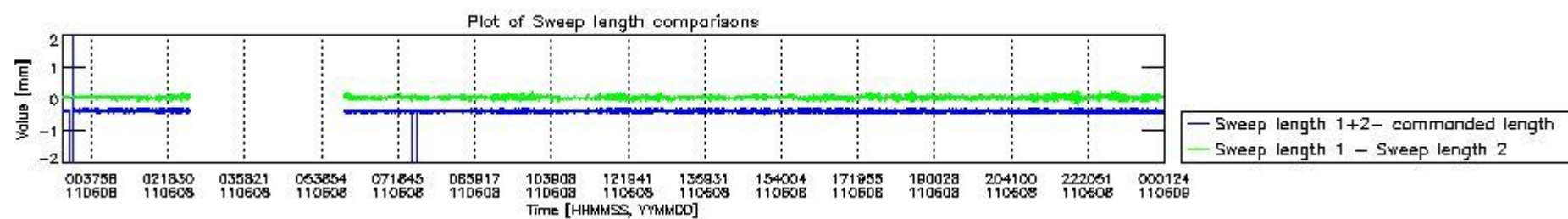
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110608\_5.PNG



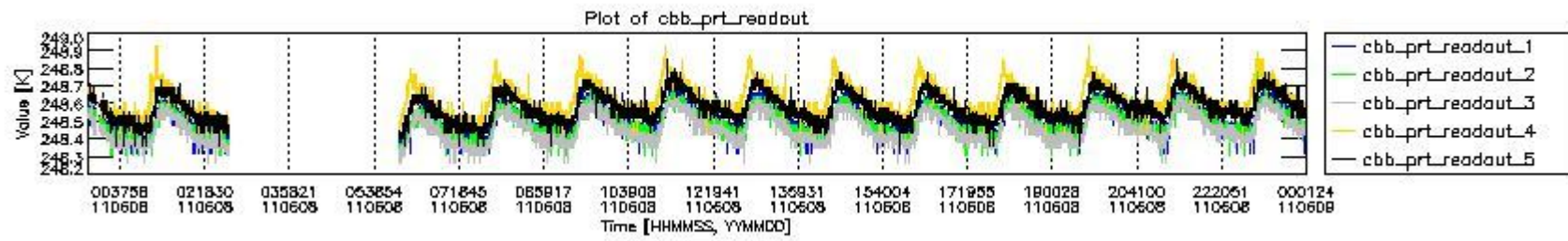
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110608\_6.PNG



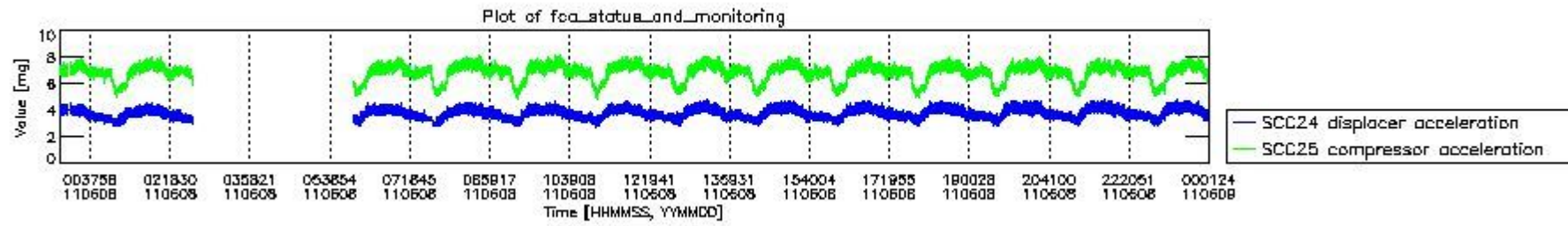
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110608\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110608\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110608\_9.PNG



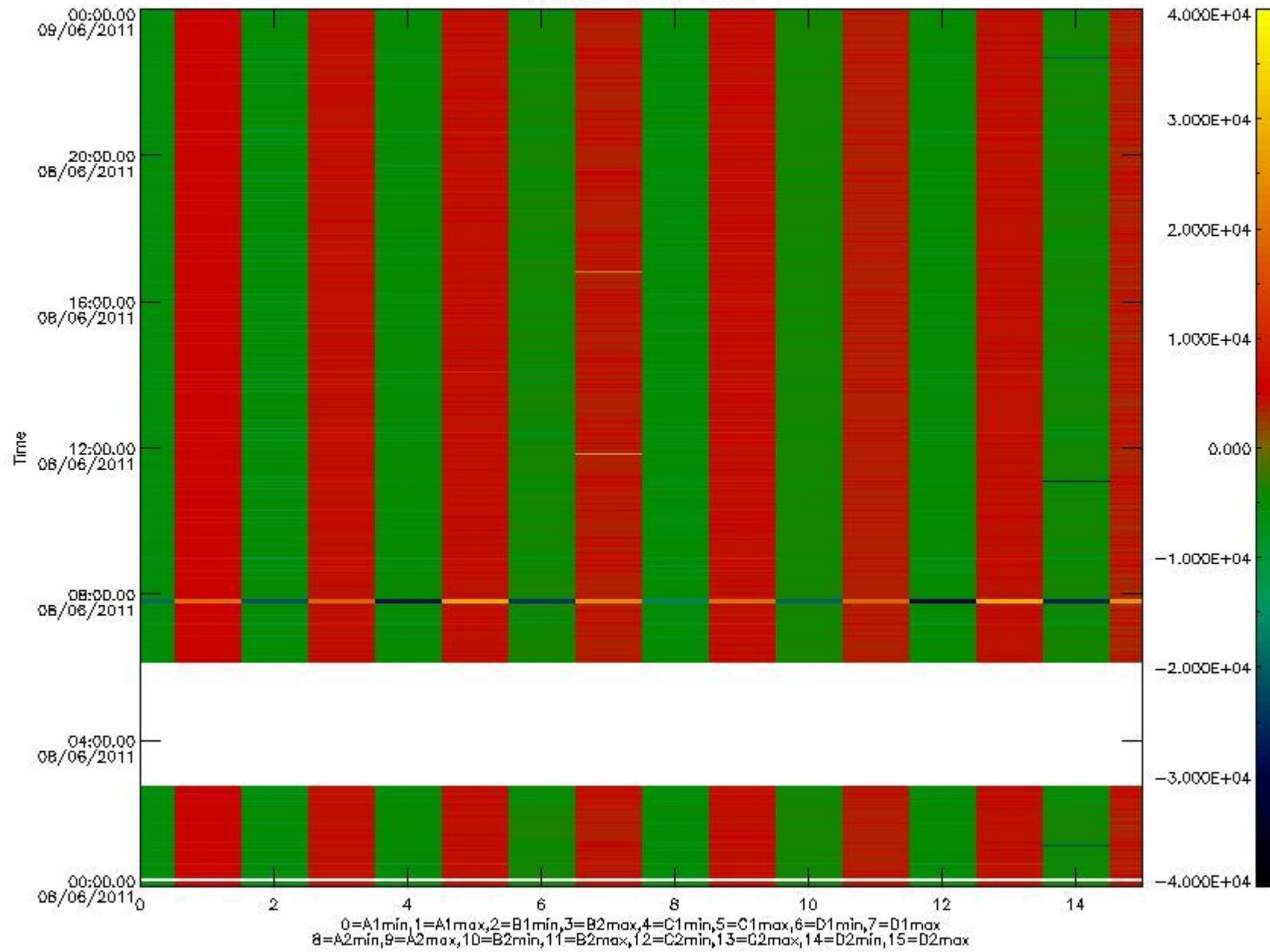
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110608\_10.PNG

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

Channel	Min	Max	ADC
A1	-19275	20540	16bit
B1	-22145	18886	16bit
C1	-28815	28793	16bit
D1	-24594	32767	16bit
A2	-16583	20657	16bit
B2	-20635	20145	16bit
C2	-29922	29648	16bit
D2	-32768	26906	16bit



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



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110608\_11.PNG

### 0.3 ADF monitoring

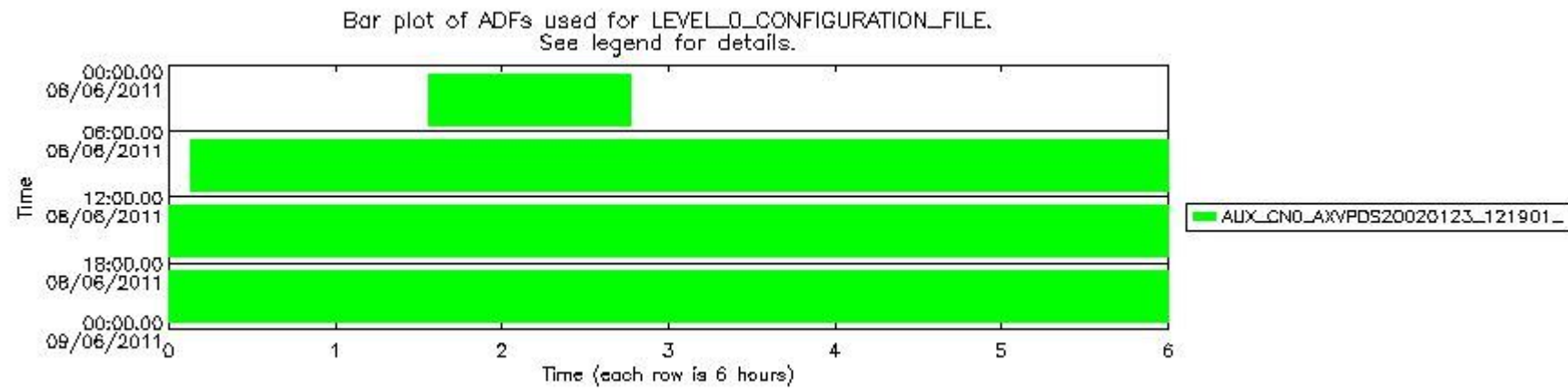
The use of ADFs is shown in two ways:

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.

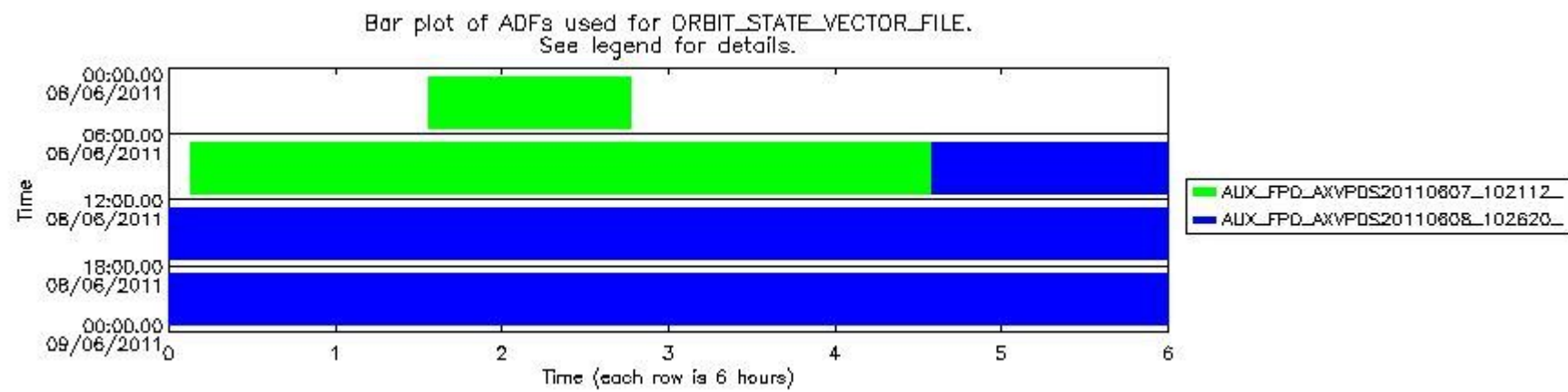
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110607_102112_20110606_194159_20110616_201532
2	AUX_FPO_AXVPDS20110608_102620_20110607_190514_20110617_211901

Number	Product name	#CN0	#FPO
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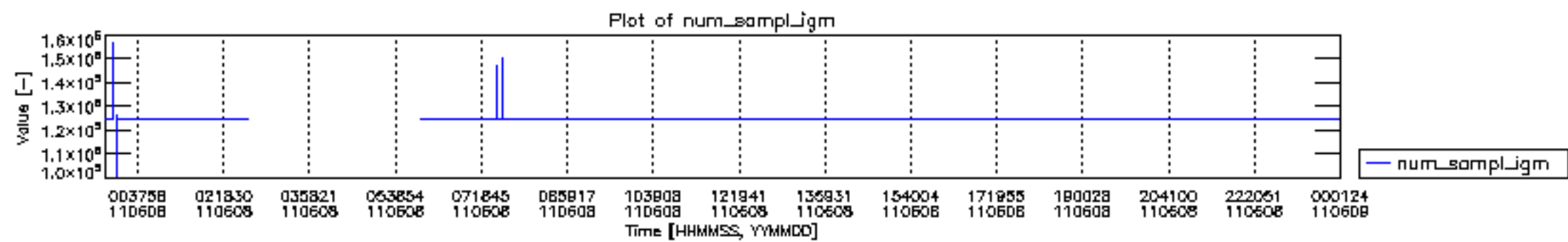
0	MIP_NL__0PNPDE20110608_013336_000043643103_00189_48479_8989.N1	0	1
1	MIP_NL__0PNPDK20110608_060746_000041223103_00192_48482_5403.N1	0	1
2	MIP_NL__0PNPDK20110608_071554_000060493103_00193_48483_5404.N1	0	1
3	MIP_NL__0PNPDK20110608_085601_000059913103_00194_48484_5405.N1	0	1
4	MIP_NL__0PNPDK20110608_103509_000060483103_00195_48485_5406.N1	0	2
5	MIP_NL__0PNPDK20110608_121515_000059223103_00196_48486_5407.N1	0	2
6	MIP_NL__0PNPDK20110608_135324_000058703103_00197_48487_5408.N1	0	2
7	MIP_NL__0PNPDK20110608_153028_000059293103_00198_48488_5409.N1	0	2
8	MIP_NL__0PNPDK20110608_170833_000059063103_00199_48489_5410.N1	0	2
9	MIP_NL__0PNPDK20110608_184605_000058603103_00200_48490_5411.N1	0	2
10	MIP_NL__0PNPDE20110608_202236_000044893103_00201_48491_8990.N1	0	2
11	MIP_NL__0PNPDE20110608_213622_000061153103_00201_48491_8991.N1	0	2
12	MIP_NL__0PNPDE20110608_231712_000061333103_00202_48492_8992.N1	0	2

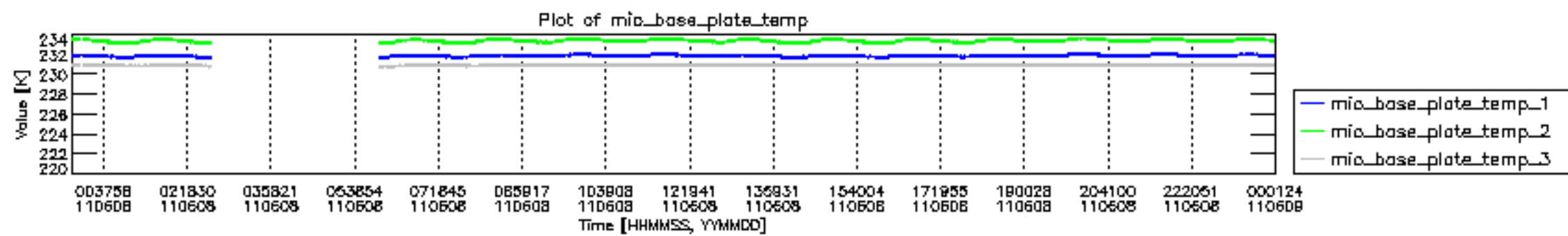


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110608\_12.PNG

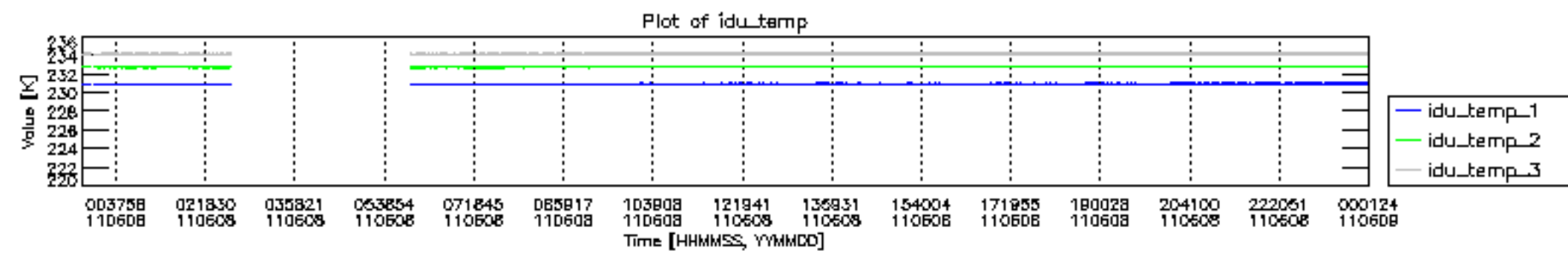


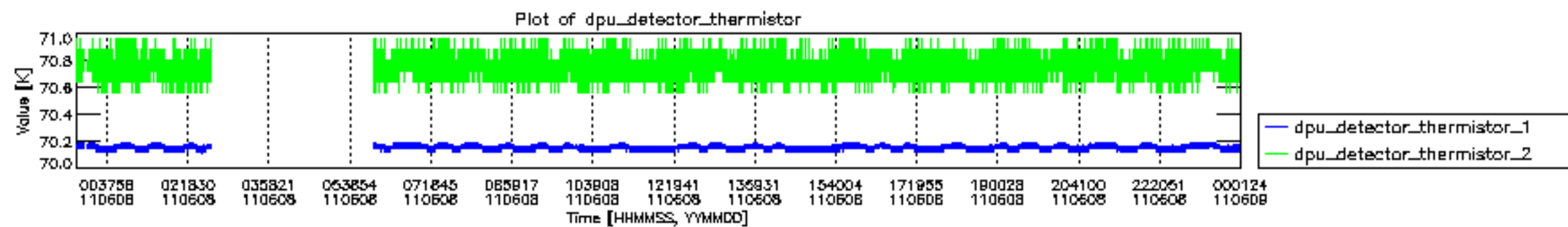
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110608\_13.PNG

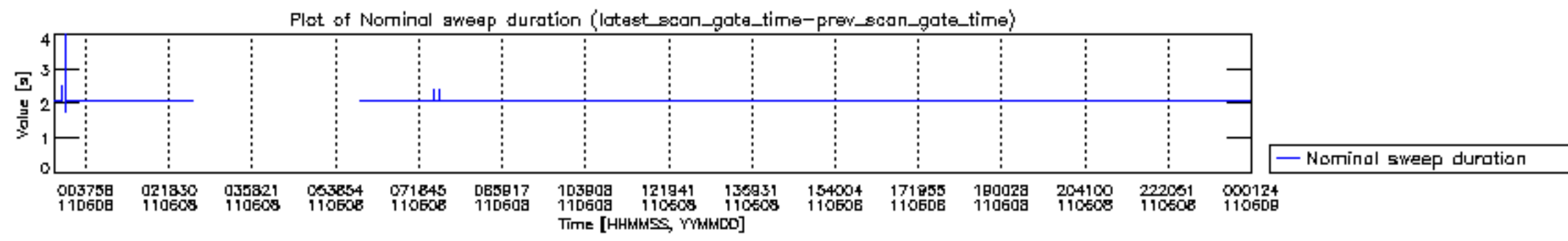


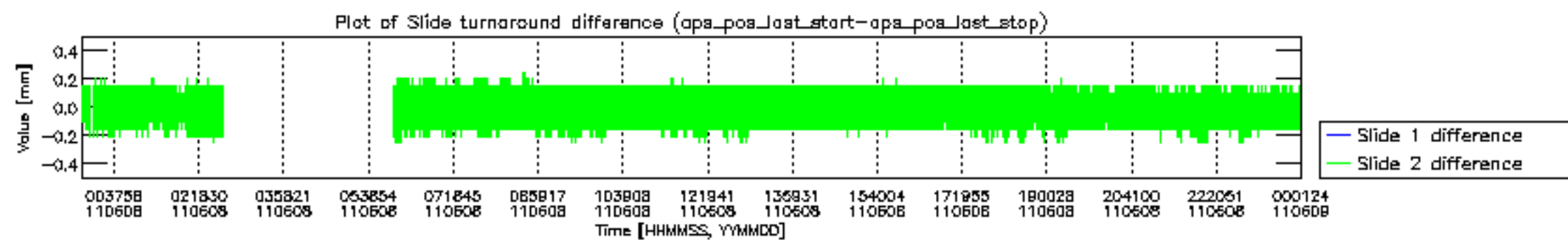


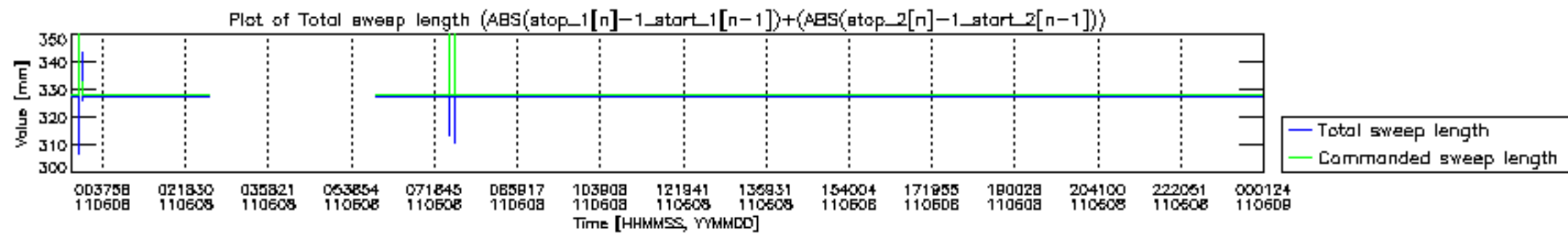




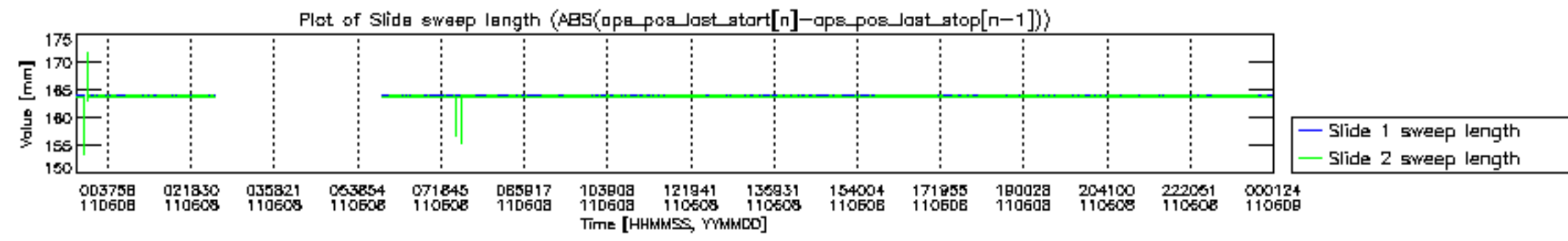


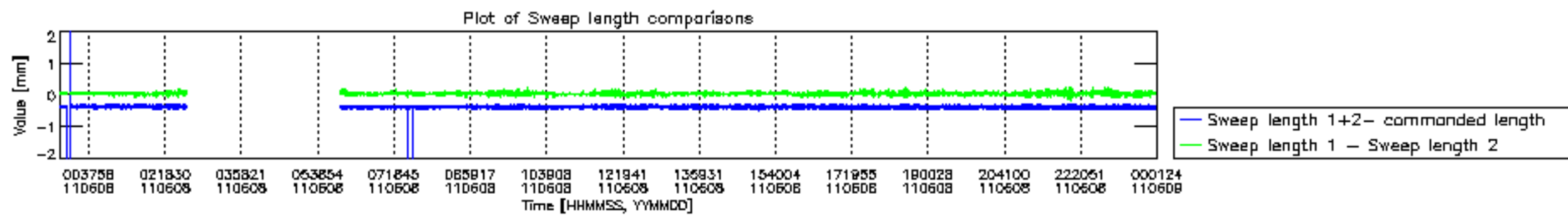


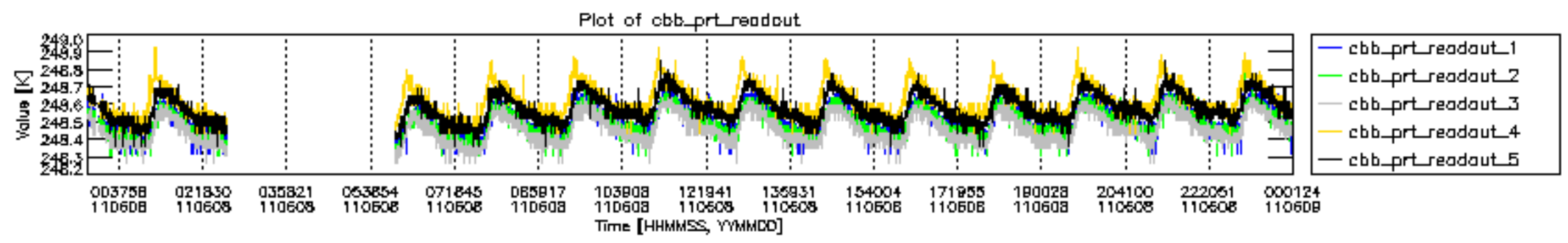


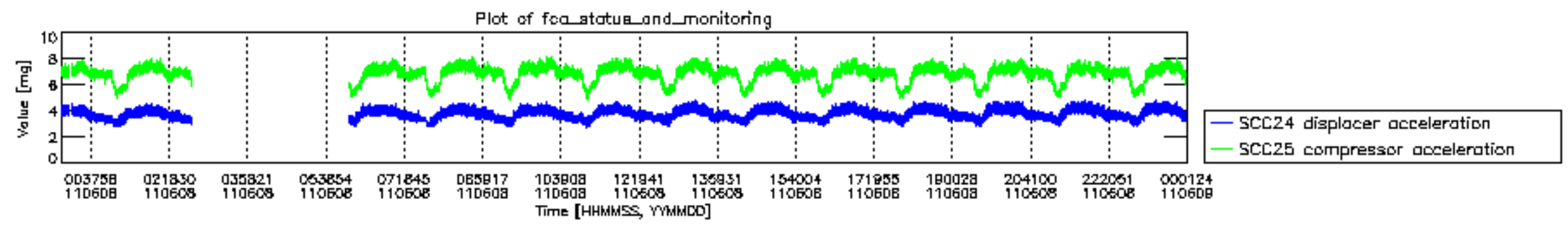












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

