

## 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	07JUN2011 05:27:02
Data source version	KSPT_L0/4504-N
Processing scope for products	02JUN2011 00:00:00 to 03JUN2011 00:00:00
Start time of first product within scope	02JUN2011 00:13:14
Stop time of last product within scope	02JUN2011 20:45:42
Total number of level 0 products	12
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__0PNPDE20110602_001314_000060083103_00102_48392_8835.N1	02JUN2011 00:13:14	02JUN2011 01:53:22	0	0	0	0	0
1	MIP_NL__0PNPDE20110602_015202_000044413103_00103_48393_8836.N1	02JUN2011 01:52:02	02JUN2011 03:06:04	0	0	0	0	0
2	MIP_NL__0PNPDE20110602_030524_000061293103_00104_48394_8837.N1	02JUN2011 03:05:24	02JUN2011 04:47:33	0	0	0	0	0
3	MIP_NL__0PNPDK20110602_062649_000041223103_00106_48396_5309.N1	02JUN2011 06:26:49	02JUN2011 07:35:31	0	0	0	0	0
4	MIP_NL__0PNPDK20110602_073459_000061173103_00107_48397_5310.N1	02JUN2011 07:34:59	02JUN2011 09:16:56	0	0	0	0	0
5	MIP_NL__0PNPDK20110602_091614_000059573103_00108_48398_5311.N1	02JUN2011 09:16:14	02JUN2011 10:55:31	0	0	0	0	0
6	MIP_NL__0PNPDK20110602_105447_000059733103_00109_48399_5312.N1	02JUN2011 10:54:47	02JUN2011 12:34:20	0	0	0	0	0
7	MIP_NL__0PNPDK20110602_123340_000060143103_00110_48400_5313.N1	02JUN2011 12:33:40	02JUN2011 14:13:54	0	0	0	0	0
8	MIP_NL__0PNPDK20110602_141321_000058413103_00111_48401_5314.N1	02JUN2011 14:13:21	02JUN2011 15:50:42	0	0	0	0	0
9	MIP_NL__0PNPDK20110602_155008_000058893103_00112_48402_5315.N1	02JUN2011 15:50:08	02JUN2011 17:28:17	0	0	0	0	0
10	MIP_NL__0PNPDK20110602_172725_000058893103_00113_48403_5316.N1	02JUN2011 17:27:25	02JUN2011 19:05:34	0	0	0	0	0
11	MIP_NL__0PNPDK20110602_190438_000060643103_00114_48404_5317.N1	02JUN2011 19:04:38	02JUN2011 20:45:42	0	0	0	0	0

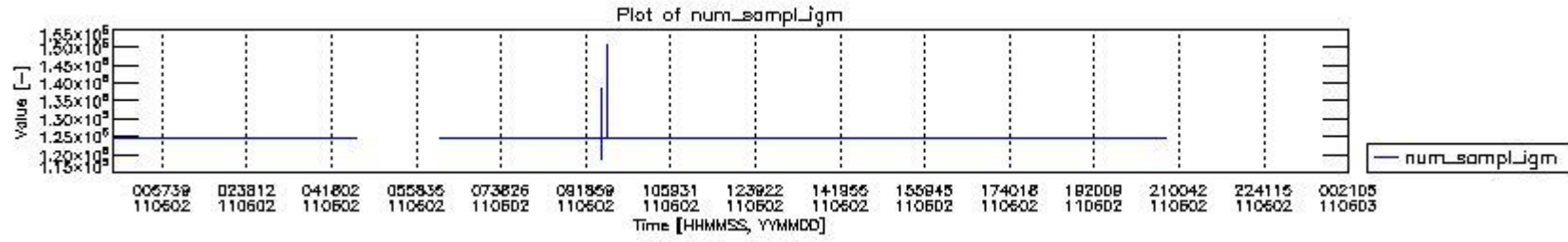
## 0.2 Instrument Operational Performance Parameters

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.

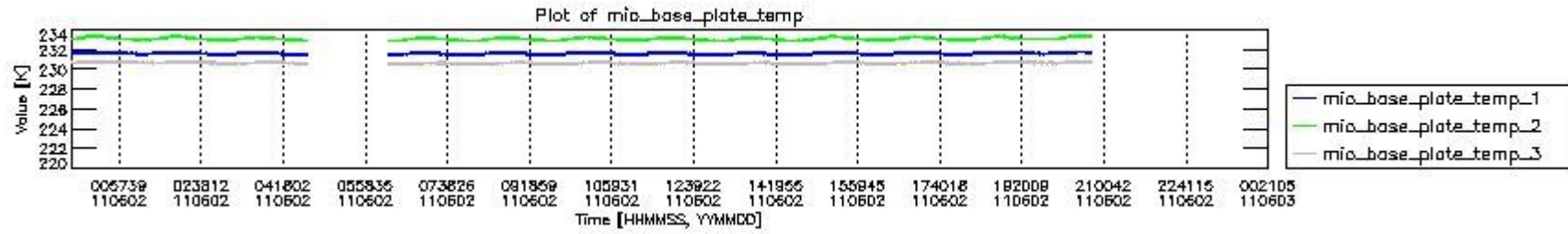
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
118535	1	0.0030237059
124800	30722	92.894291
124803	2344	7.0875665
127605	1	0.0030237059
132402	1	0.0030237059
138667	1	0.0030237059

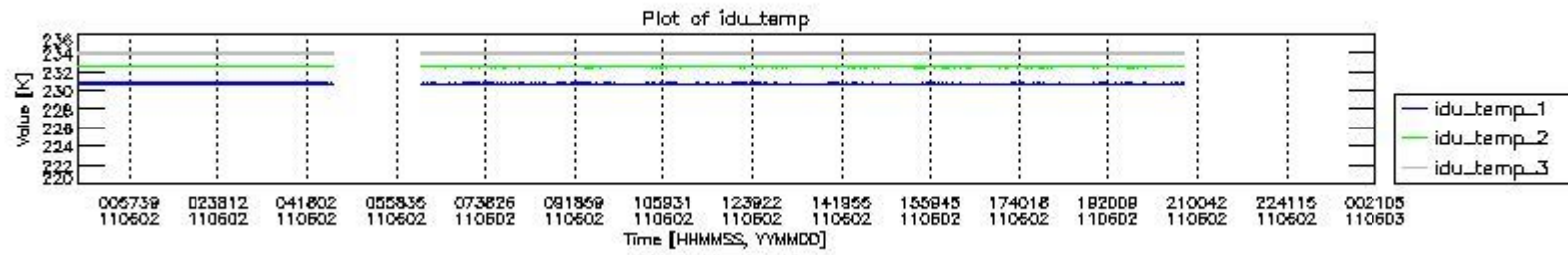
147737	1	0.0030237059
150542	1	0.0030237059



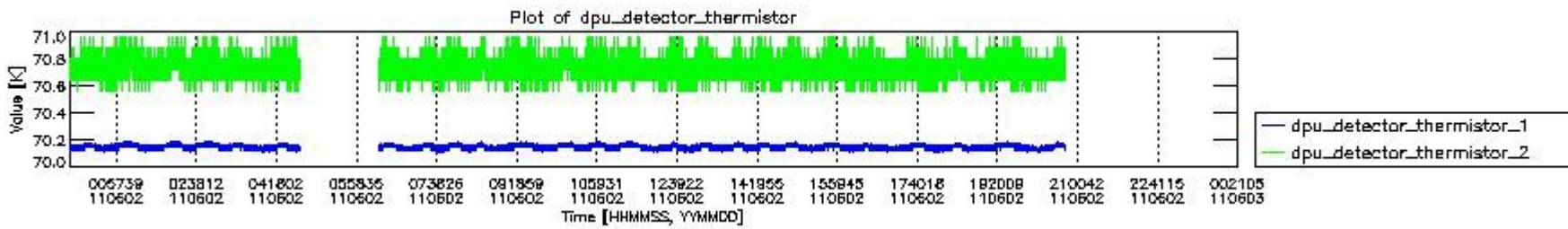
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110602\_0.PNG



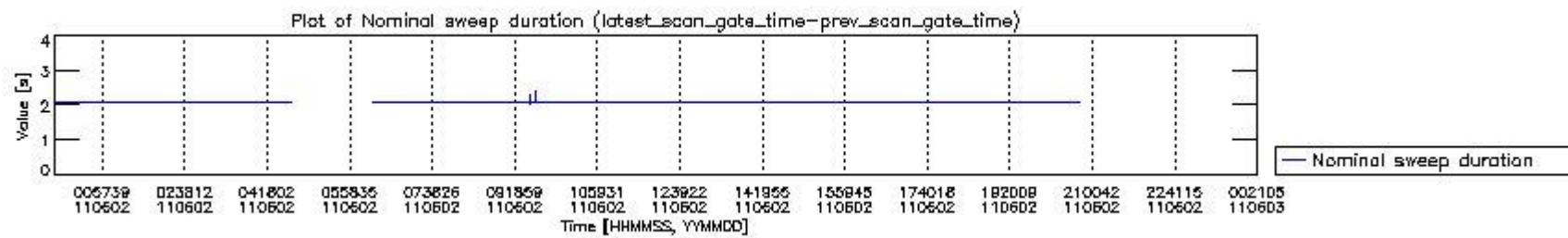
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110602\_1.PNG



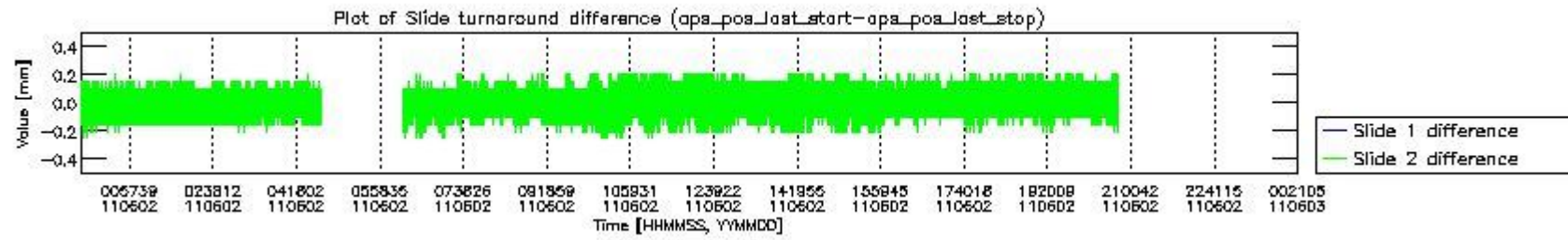
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110602\_2.PNG



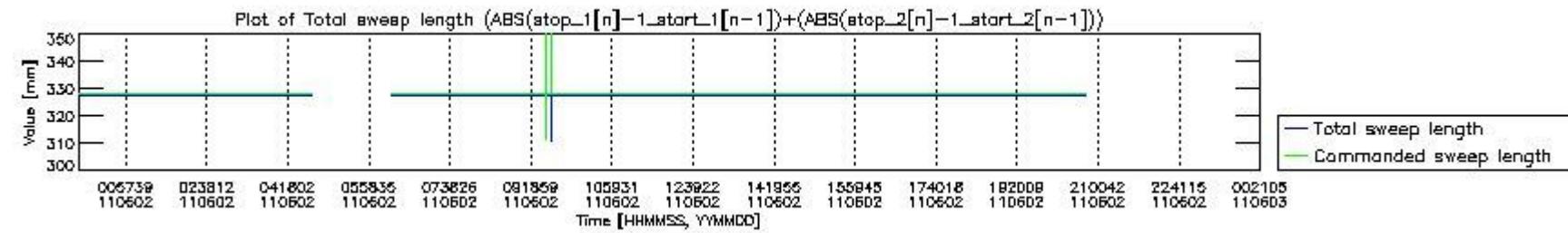
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110602\_3.PNG



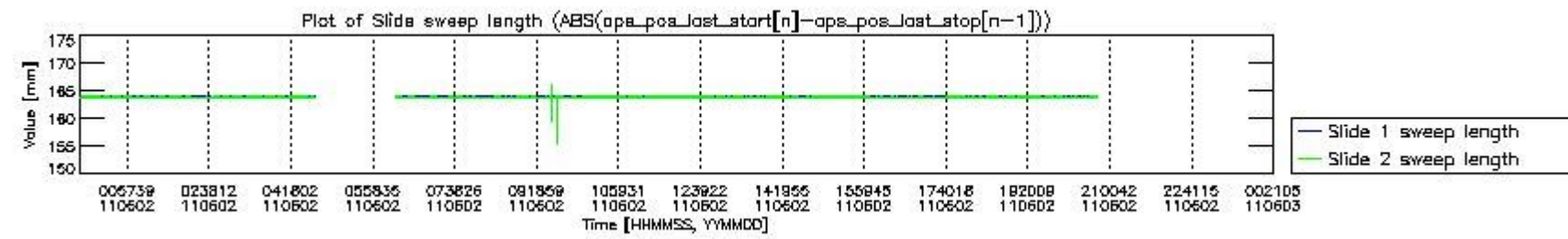
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110602\_4.PNG



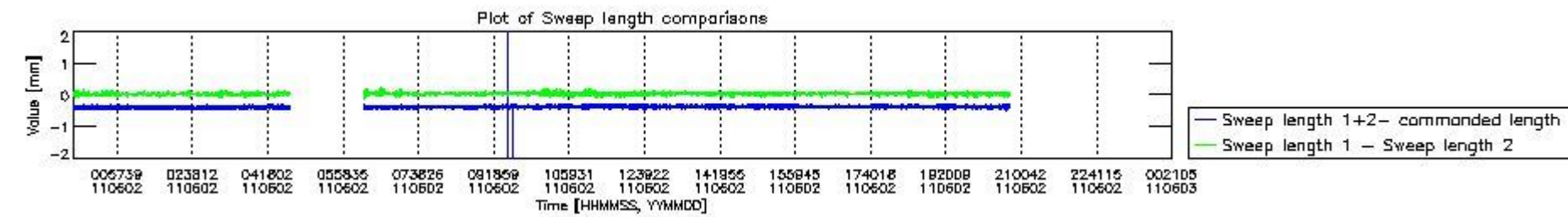
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110602\_5.PNG



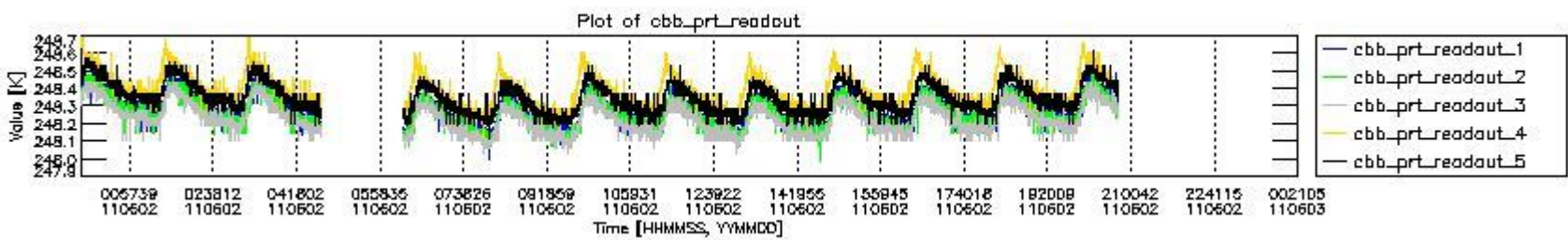
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110602\_6.PNG



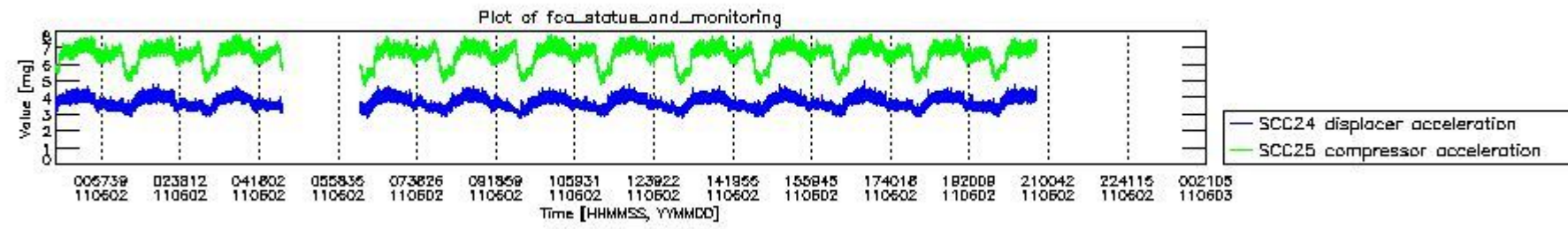
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110602\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110602\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110602\_9.PNG

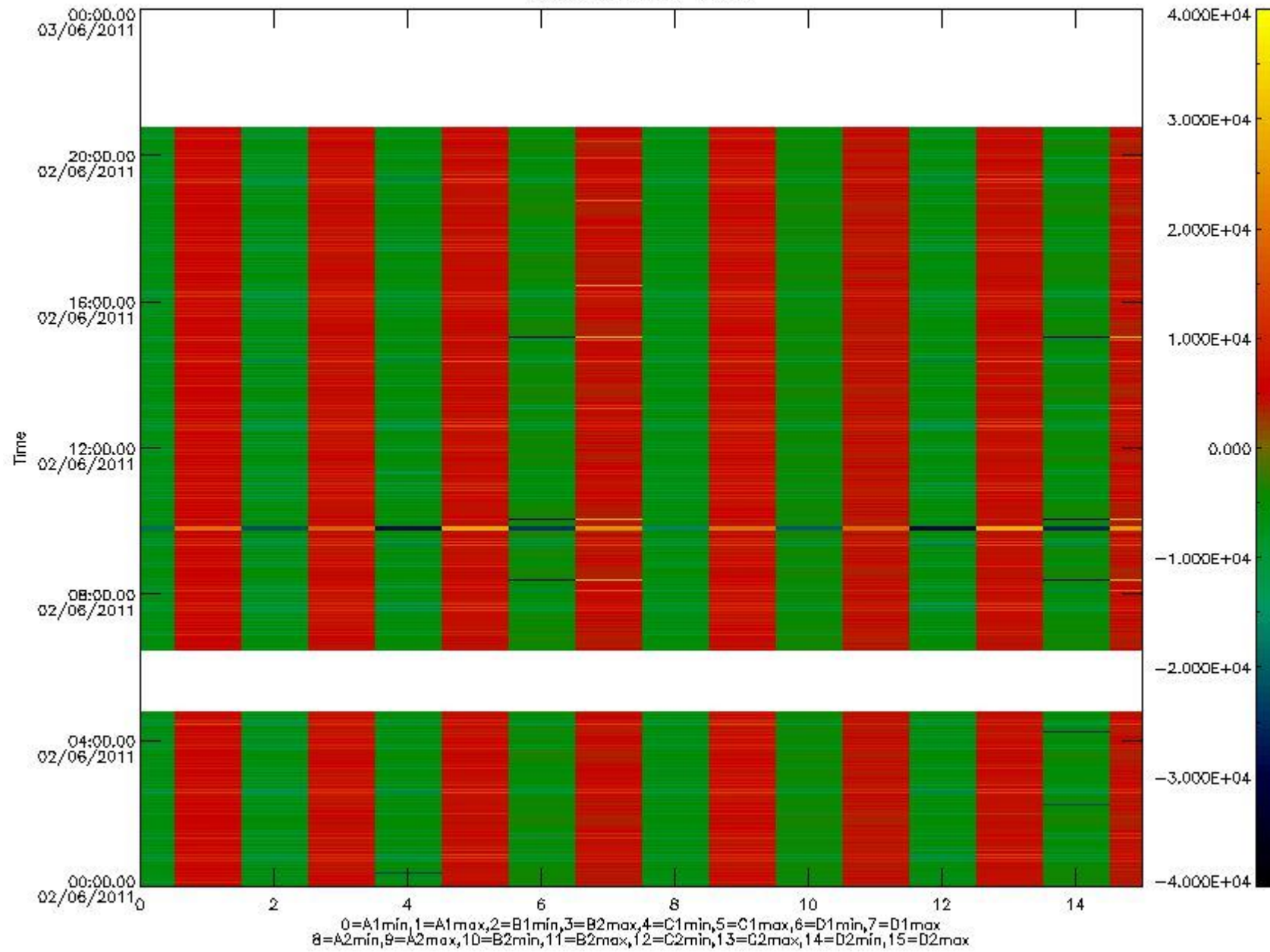


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110602\_10.PNG

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

Channel	Min	Max	ADC
A1	-19268	20532	16bit
B1	-22013	18780	16bit
C1	-28583	28533	16bit
D1	-32768	32767	16bit
A2	-16556	20612	16bit
B2	-20512	20027	16bit
C2	-29742	29368	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\_20110602\_11.PNG

### 0.3 ADF monitoring

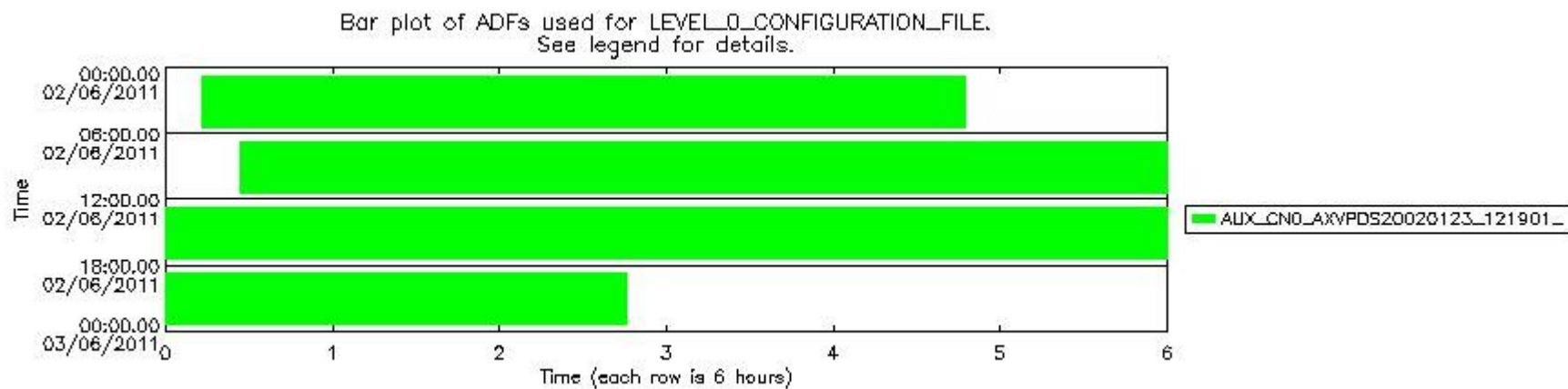
The use of ADFs is shown in two ways:

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.

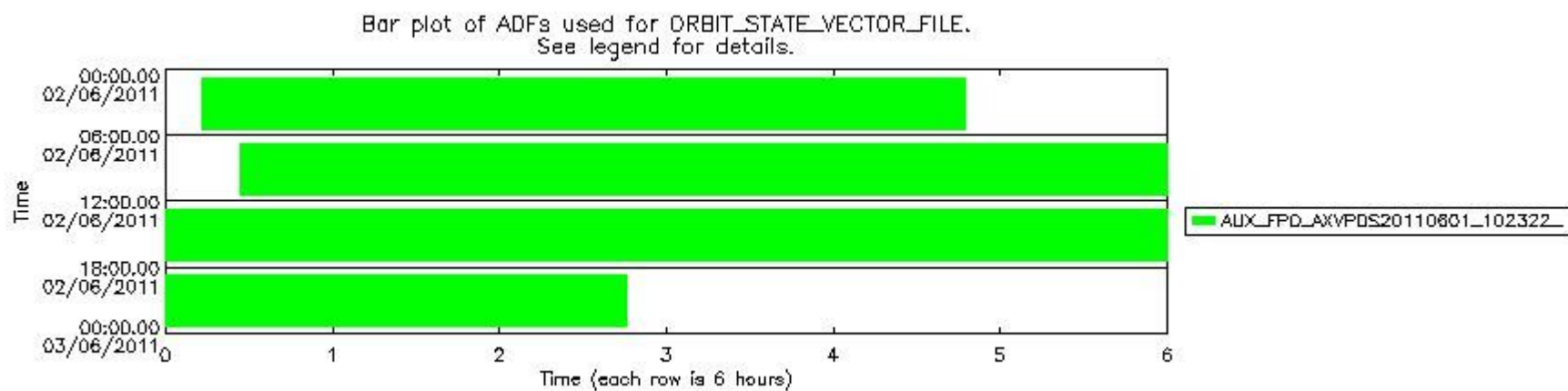
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110601_102322_20110531_182142_20110610_203528

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110602_001314_000060083103_00102_48392_8835.N1	0	1

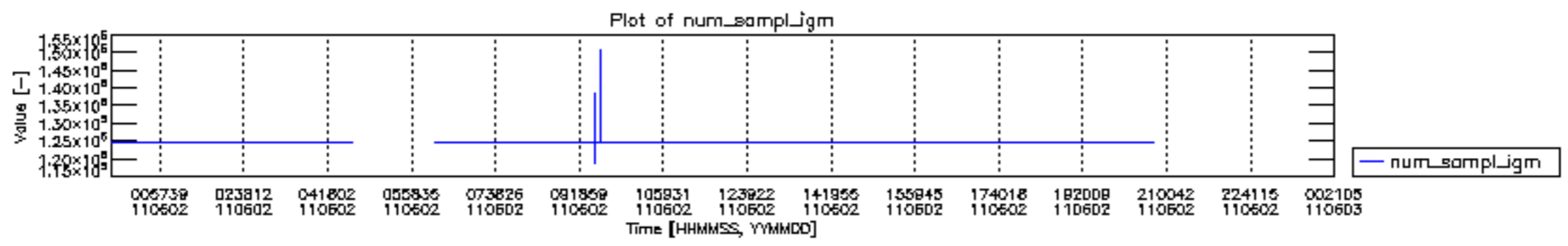
1	MIP_NL__0PNPDE20110602_015202_000044413103_00103_48393_8836.N1	0	1
2	MIP_NL__0PNPDE20110602_030524_000061293103_00104_48394_8837.N1	0	1
3	MIP_NL__0PNPDK20110602_062649_000041223103_00106_48396_5309.N1	0	1
4	MIP_NL__0PNPDK20110602_073459_000061173103_00107_48397_5310.N1	0	1
5	MIP_NL__0PNPDK20110602_091614_000059573103_00108_48398_5311.N1	0	1
6	MIP_NL__0PNPDK20110602_105447_000059733103_00109_48399_5312.N1	0	1
7	MIP_NL__0PNPDK20110602_123340_000060143103_00110_48400_5313.N1	0	1
8	MIP_NL__0PNPDK20110602_141321_000058413103_00111_48401_5314.N1	0	1
9	MIP_NL__0PNPDK20110602_155008_000058893103_00112_48402_5315.N1	0	1
10	MIP_NL__0PNPDK20110602_172725_000058893103_00113_48403_5316.N1	0	1
11	MIP_NL__0PNPDK20110602_190438_000060643103_00114_48404_5317.N1	0	1

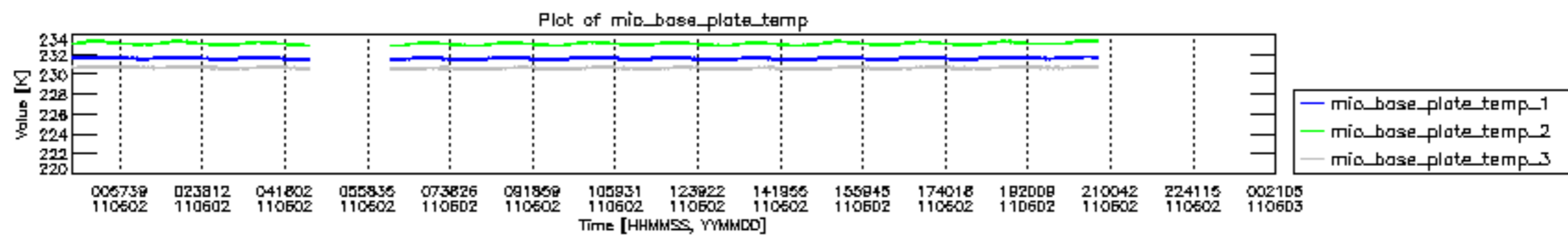


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110602\_12.PNG

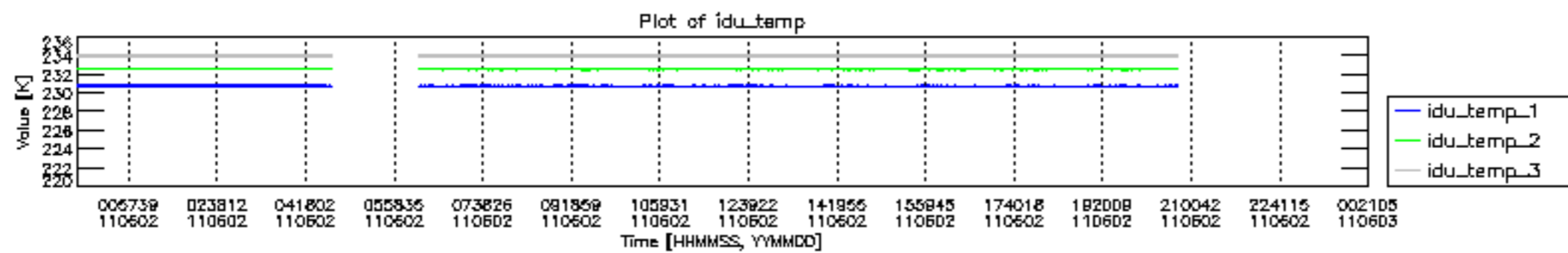


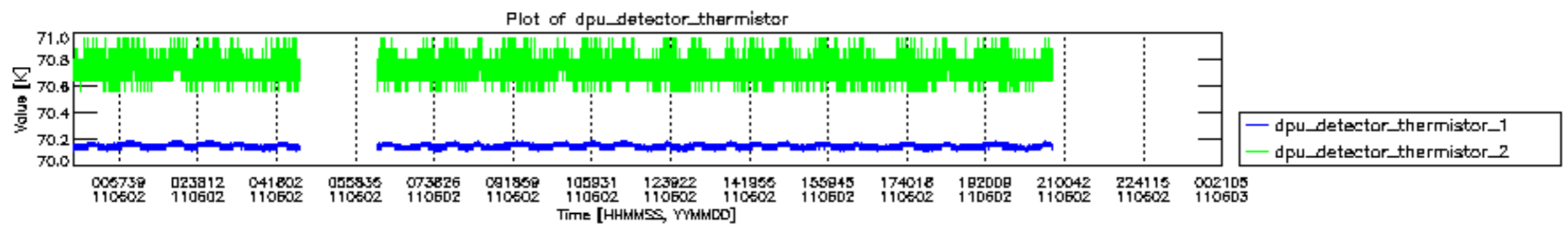
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110602\_13.PNG

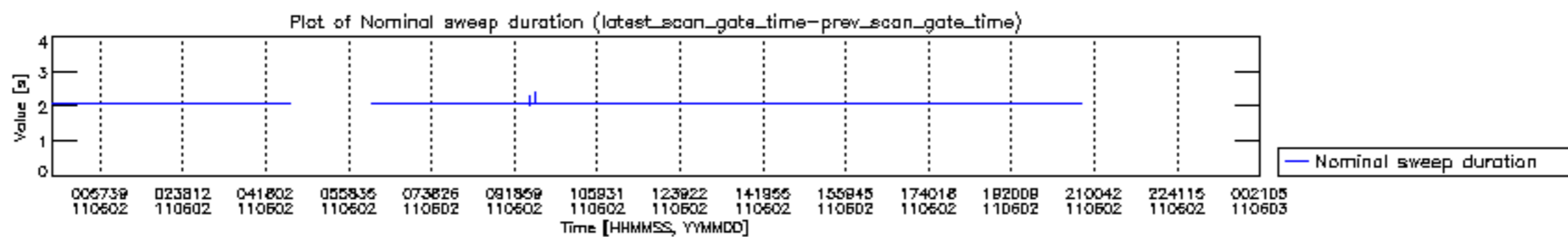


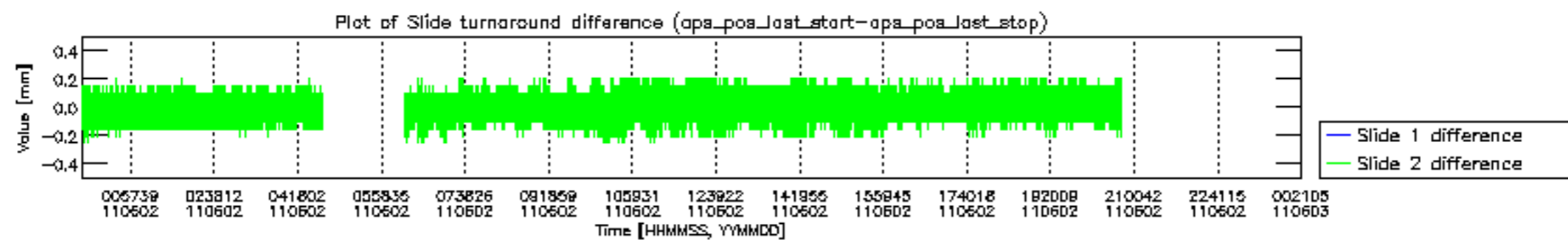


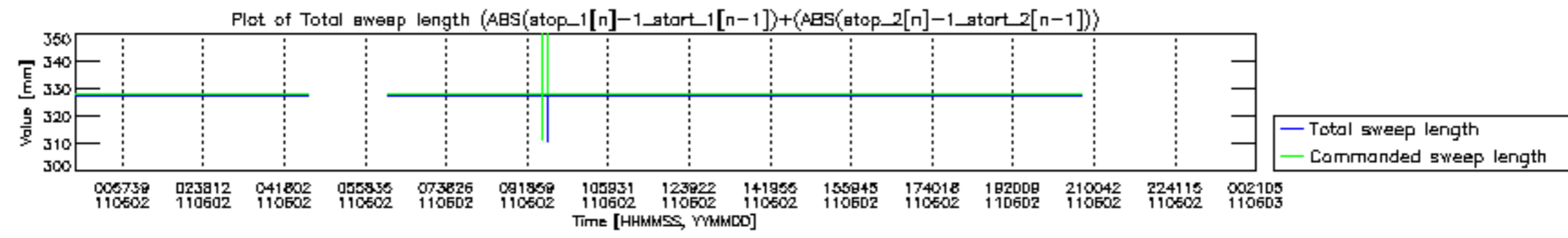


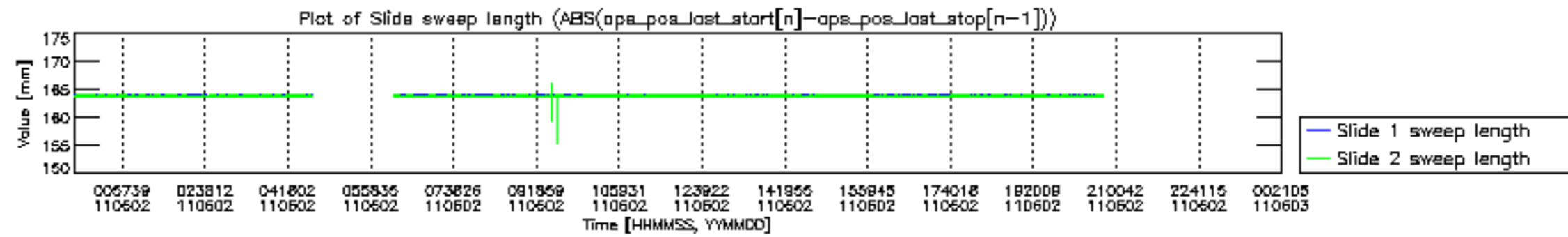


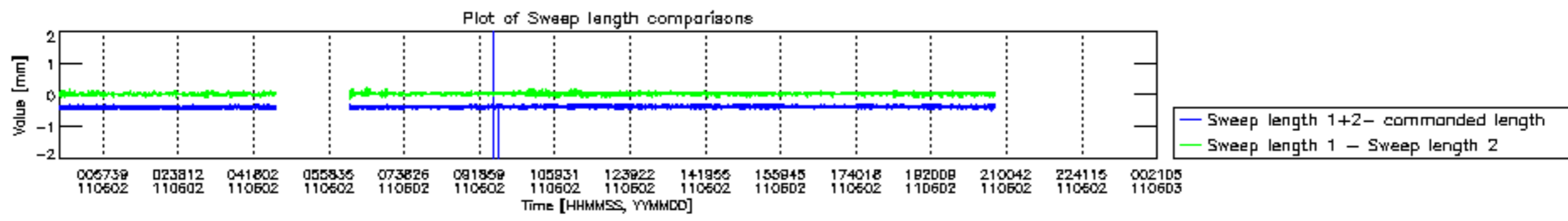


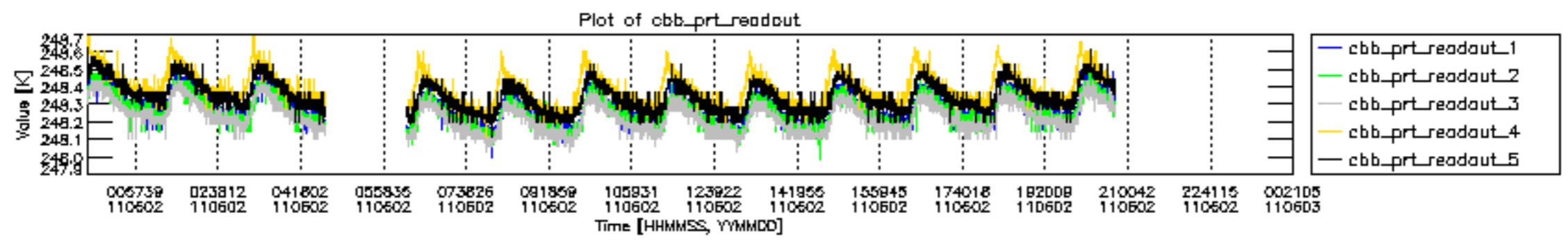




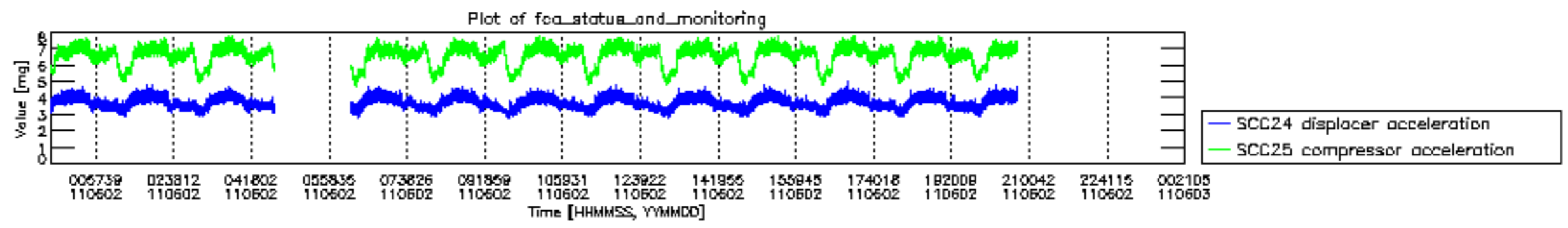












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

