

## 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	31MAR2011 05:24:41
Data source version	KSPT_L0/4504-N
Processing scope for products	26MAR2011 00:00:00 to 27MAR2011 00:00:00
Start time of first product within scope	26MAR2011 00:05:34
Stop time of last product within scope	26MAR2011 23:31:21
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__0PNPDE20110326_000534_000059253100_00418_47415_3309.N1	26MAR2011 00:05:34	26MAR2011 01:44:20	0	0	0	0	0
1	MIP_NL__0PNPDE20110326_002550_000047103100_00419_47416_3312.N1	26MAR2011 00:25:50	26MAR2011 01:44:20	0	0	0	0	0
2	MIP_NL__0PNPDE20110326_014317_000044873100_00419_47416_3310.N1	26MAR2011 01:43:17	26MAR2011 02:58:04	0	0	0	0	0
3	MIP_NL__0PNPDE20110326_025733_000061503100_00420_47417_3311.N1	26MAR2011 02:57:33	26MAR2011 04:40:03	0	0	0	0	0
4	MIP_NL__0PNPDE20110326_043930_000060733100_00421_47418_3313.N1	26MAR2011 04:39:30	26MAR2011 06:20:42	0	0	0	0	0
5	MIP_NL__0PNPDK20110326_062009_000041053100_00422_47419_4659.N1	26MAR2011 06:20:09	26MAR2011 07:28:34	0	0	0	0	0
6	MIP_NL__0PNPDK20110326_072800_000060793100_00423_47420_4660.N1	26MAR2011 07:28:00	26MAR2011 09:09:19	0	0	0	0	0
7	MIP_NL__0PNPDK20110326_090846_000059733100_00424_47421_4661.N1	26MAR2011 09:08:46	26MAR2011 10:48:18	0	0	0	0	0
8	MIP_NL__0PNPDK20110326_104734_000060273100_00425_47422_4662.N1	26MAR2011 10:47:34	26MAR2011 12:28:01	0	0	0	0	0
9	MIP_NL__0PNPDK20110326_122728_000059083100_00426_47423_4663.N1	26MAR2011 12:27:28	26MAR2011 14:05:55	0	0	0	0	0
10	MIP_NL__0PNPDK20110326_140503_000058163100_00427_47424_4664.N1	26MAR2011 14:05:03	26MAR2011 15:41:59	0	0	0	0	0
11	MIP_NL__0PNPDK20110326_154052_000060183100_00428_47425_4665.N1	26MAR2011 15:40:52	26MAR2011 17:21:11	0	0	0	0	0
12	MIP_NL__0PNPDK20110326_171949_000058973100_00429_47426_4666.N1	26MAR2011 17:19:49	26MAR2011 18:58:06	0	0	0	0	0
13	MIP_NL__0PNPDK20110326_185710_000060603100_00430_47427_4667.N1	26MAR2011 18:57:10	26MAR2011 20:38:10	0	0	0	0	0
14	MIP_NL__0PNPDE20110326_203640_000043493100_00431_47428_3314.N1	26MAR2011 20:36:40	26MAR2011 21:49:10	0	0	0	0	0
15	MIP_NL__0PNPDE20110326_214807_000061943100_00431_47428_3315.N1	26MAR2011 21:48:07	26MAR2011 23:31:21	0	0	0	0	0

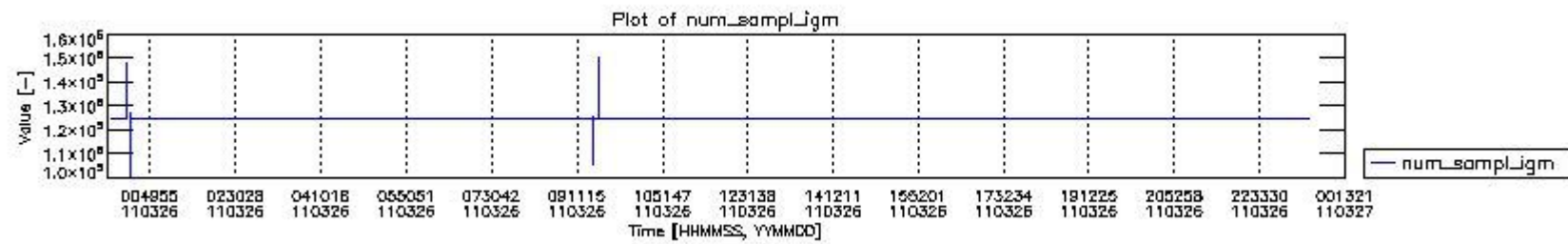
## 0.2 Instrument Operational Performance Parameters

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.

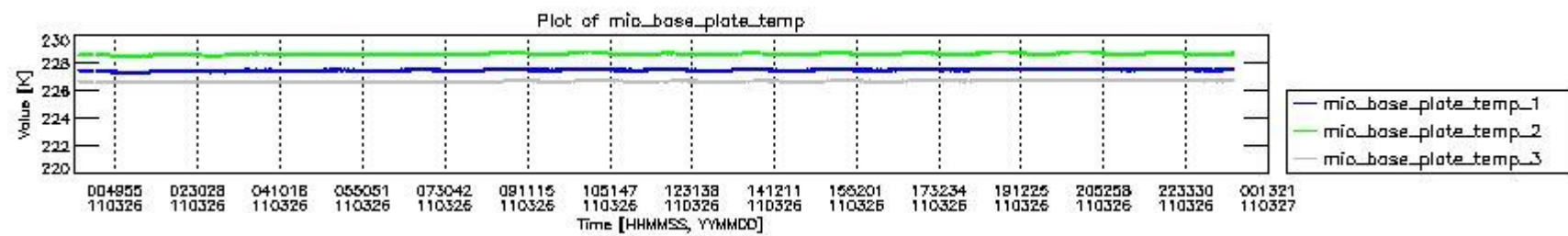
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100632	1	0.0024715158
105823	1	0.0024715158

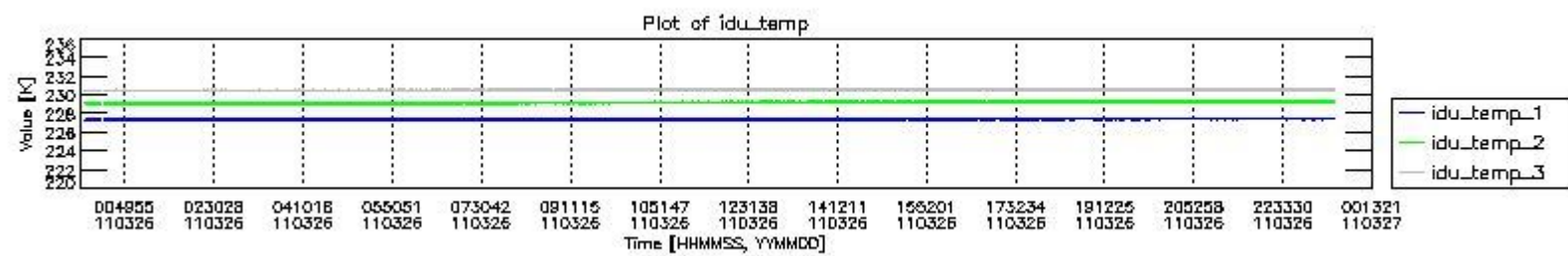
106978	1	0.0024715158
124800	37587	92.896864
124803	2862	7.0734782
125884	1	0.0024715158
125955	1	0.0024715158
126341	1	0.0024715158
126968	1	0.0024715158
127382	1	0.0024715158
146473	1	0.0024715158
147514	1	0.0024715158
148014	1	0.0024715158
150096	1	0.0024715158



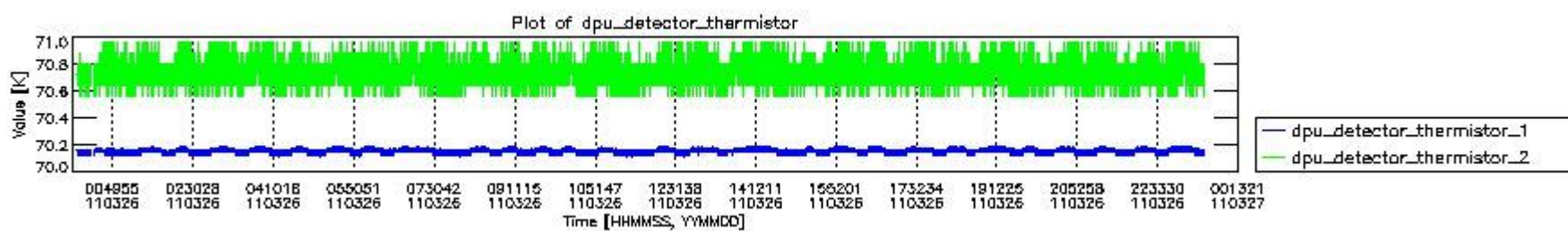
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110326\_0.PNG



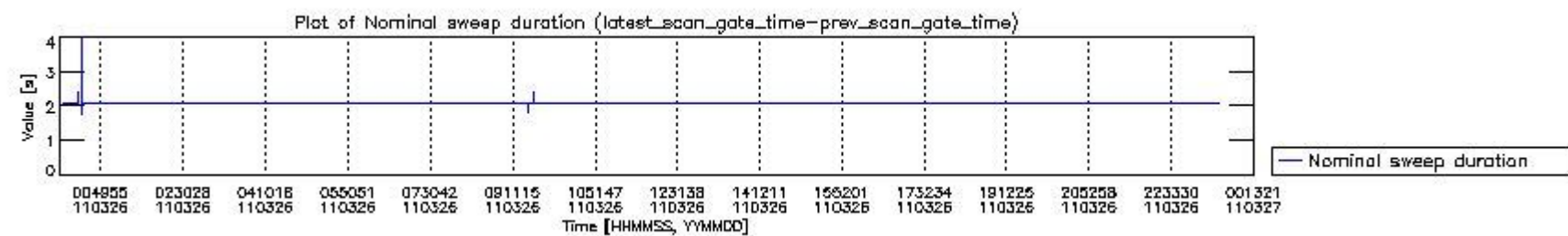
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110326\_1.PNG



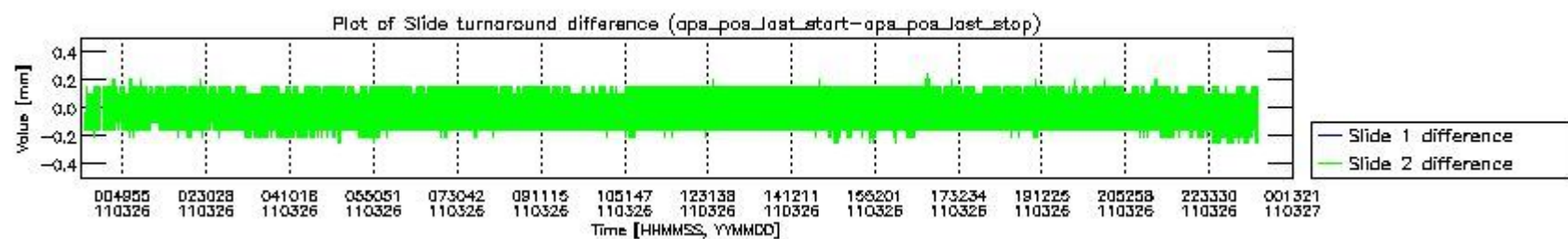
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110326\_2.PNG



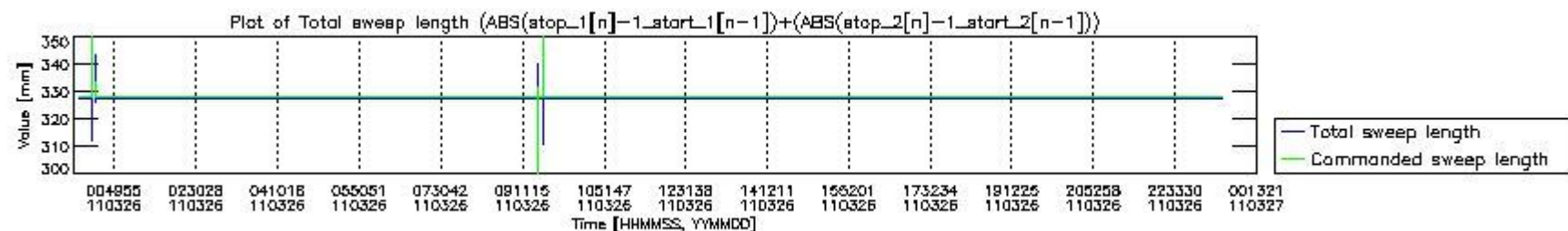
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110326\_3.PNG



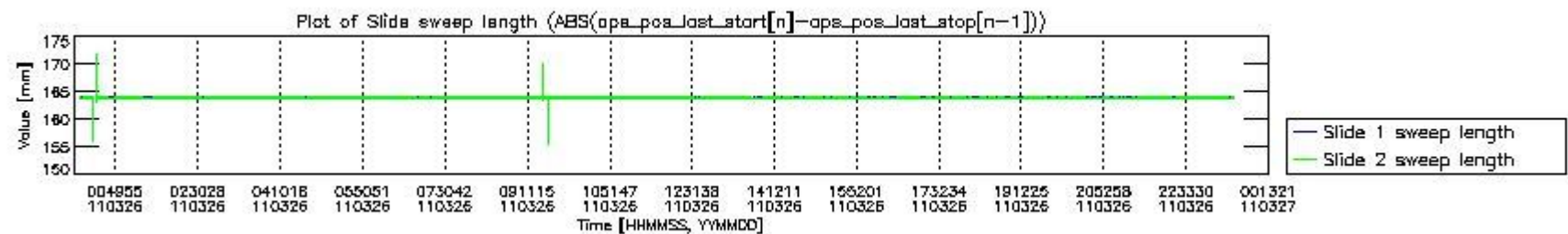
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110326\_4.PNG



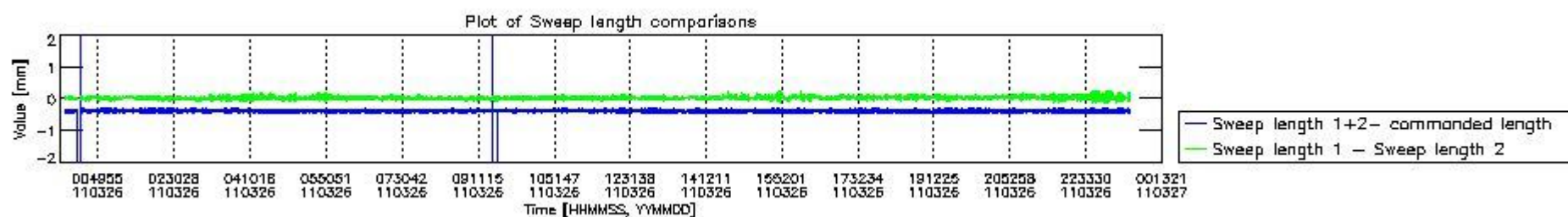
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110326\_5.PNG



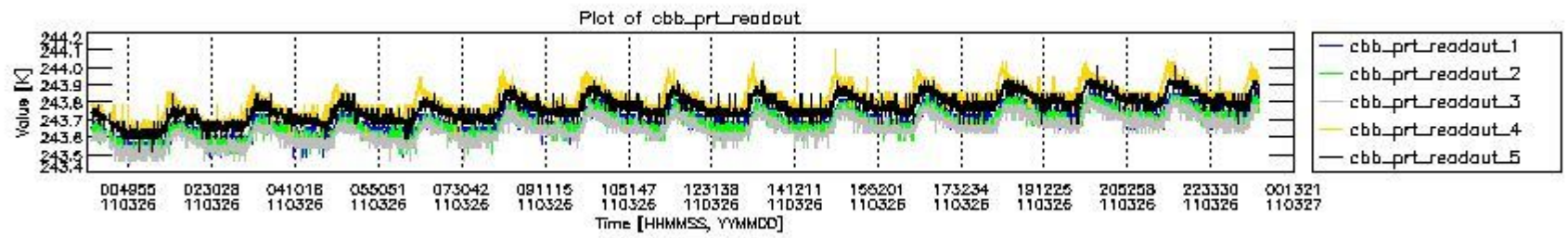
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110326\_6.PNG



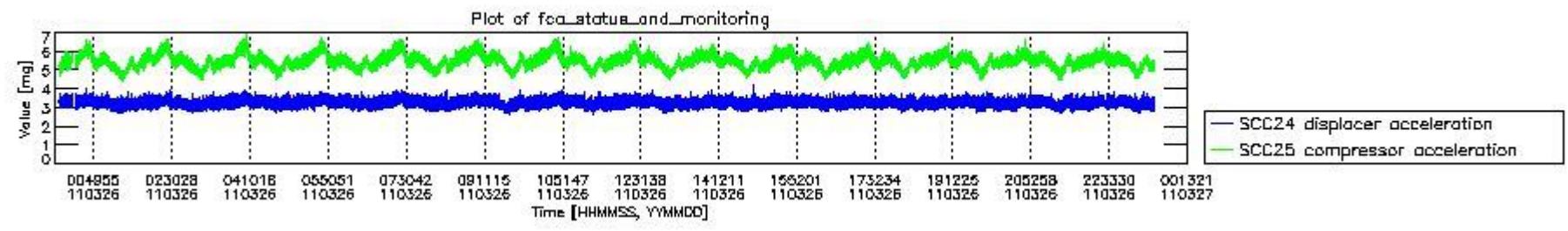
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110326\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110326\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110326\_9.PNG

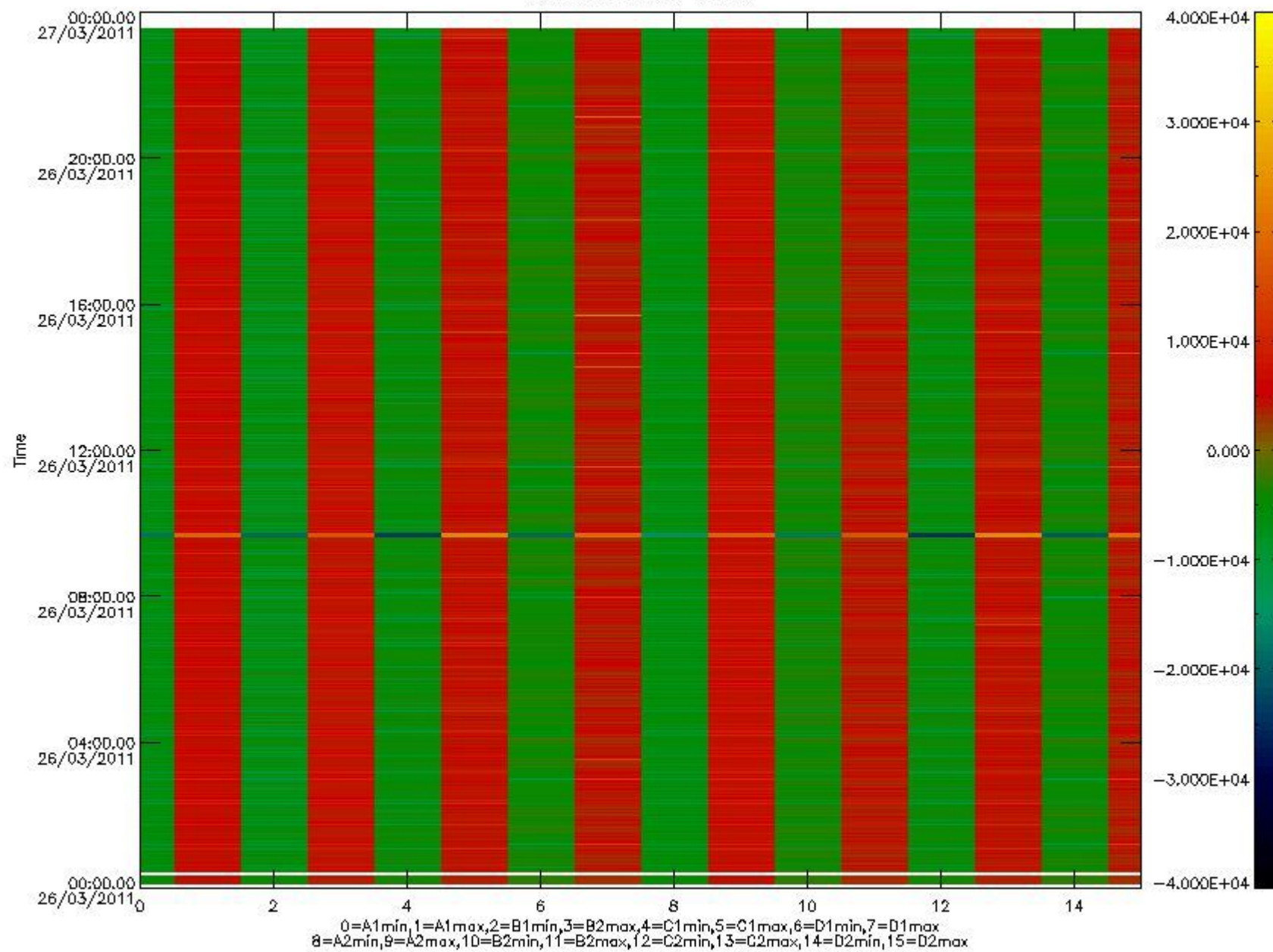


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110326\_10.PNG

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

Channel	Min	Max	ADC
A1	-17820	18874	16bit
B1	-19863	17187	16bit
C1	-24571	23724	16bit
D1	-31581	32767	16bit
A2	-15481	19048	16bit
B2	-18037	17686	16bit
C2	-24844	24428	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\_20110326\_11.PNG

### 0.3 ADF monitoring

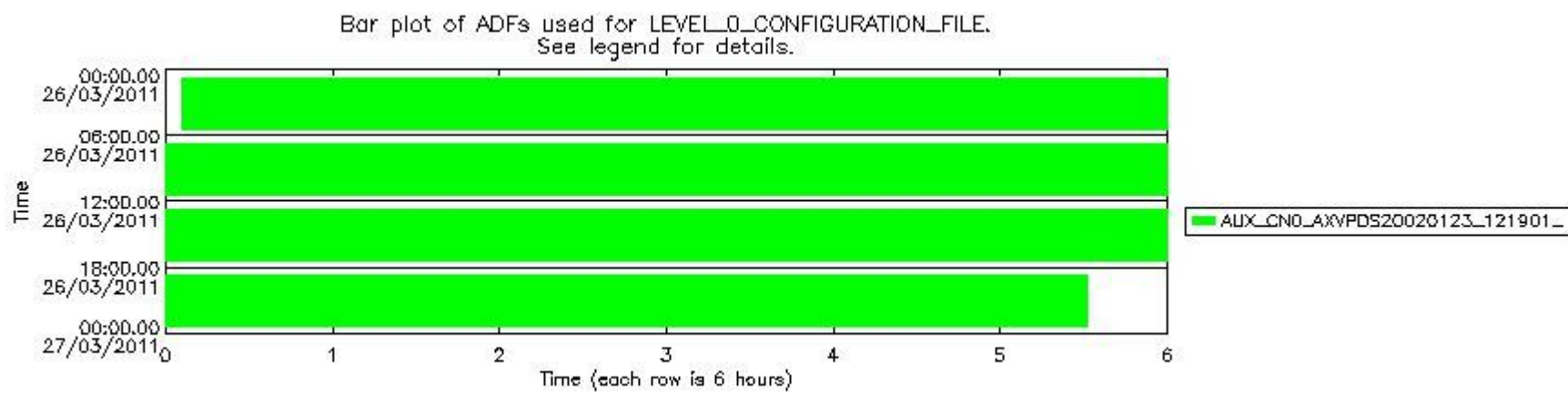
The use of ADFs is shown in two ways:

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.

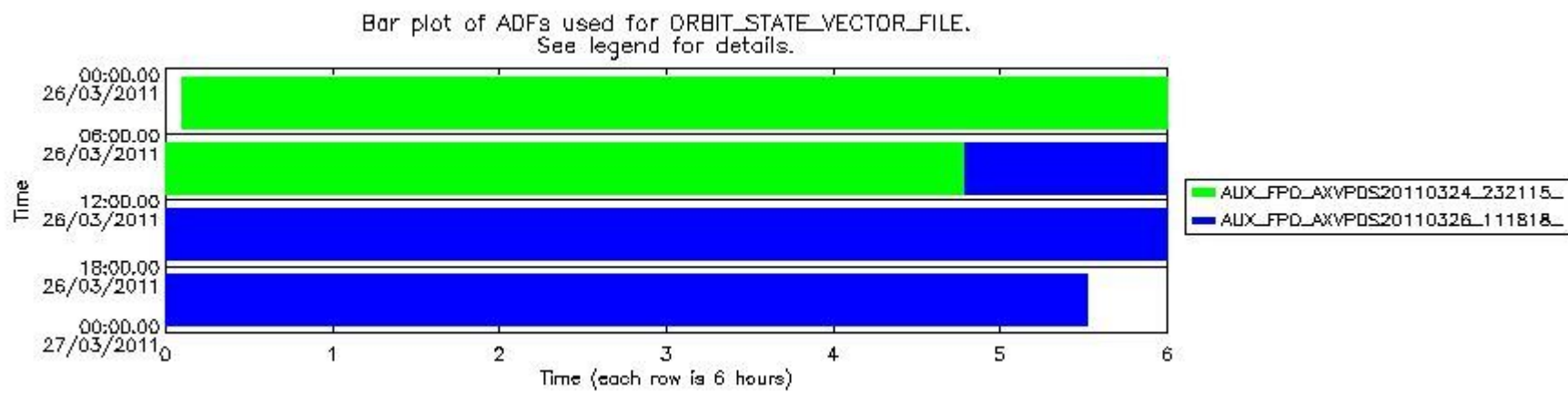
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110324_232115_20110324_195407_20110403_202743
2	AUX_FPO_AXVPDS20110326_111818_20110325_191723_20110404_213113

Number	Product name	#CN0	#FPO
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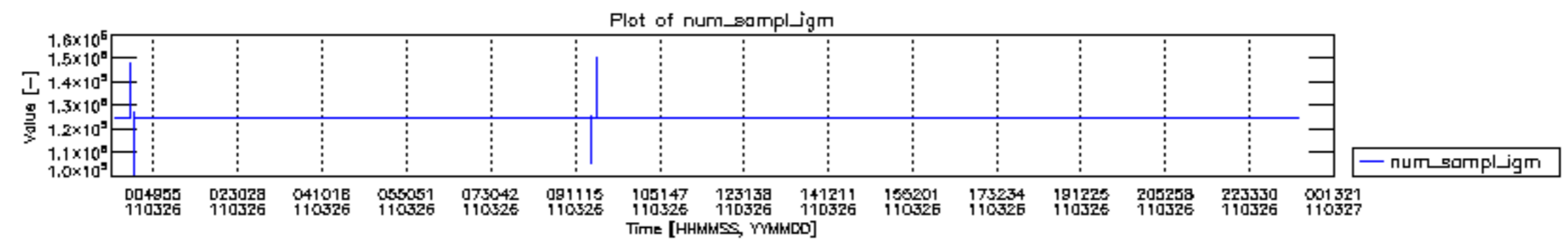
0	MIP_NL__0PNPDE20110326_000534_000059253100_00418_47415_3309.N1	0	1
1	MIP_NL__0PNPDE20110326_002550_000047103100_00419_47416_3312.N1	0	1
2	MIP_NL__0PNPDE20110326_014317_000044873100_00419_47416_3310.N1	0	1
3	MIP_NL__0PNPDE20110326_025733_000061503100_00420_47417_3311.N1	0	1
4	MIP_NL__0PNPDE20110326_043930_000060733100_00421_47418_3313.N1	0	1
5	MIP_NL__0PNPDK20110326_062009_000041053100_00422_47419_4659.N1	0	1
6	MIP_NL__0PNPDK20110326_072800_000060793100_00423_47420_4660.N1	0	1
7	MIP_NL__0PNPDK20110326_090846_000059733100_00424_47421_4661.N1	0	1
8	MIP_NL__0PNPDK20110326_104734_000060273100_00425_47422_4662.N1	0	2
9	MIP_NL__0PNPDK20110326_122728_000059083100_00426_47423_4663.N1	0	2
10	MIP_NL__0PNPDK20110326_140503_000058163100_00427_47424_4664.N1	0	2
11	MIP_NL__0PNPDK20110326_154052_000060183100_00428_47425_4665.N1	0	2
12	MIP_NL__0PNPDK20110326_171949_000058973100_00429_47426_4666.N1	0	2
13	MIP_NL__0PNPDK20110326_185710_000060603100_00430_47427_4667.N1	0	2
14	MIP_NL__0PNPDE20110326_203640_000043493100_00431_47428_3314.N1	0	2
15	MIP_NL__0PNPDE20110326_214807_000061943100_00431_47428_3315.N1	0	2

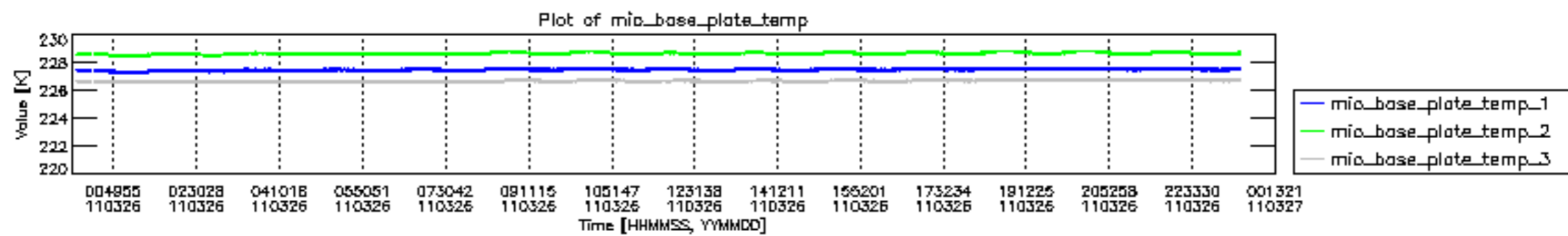


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110326\_12.PNG

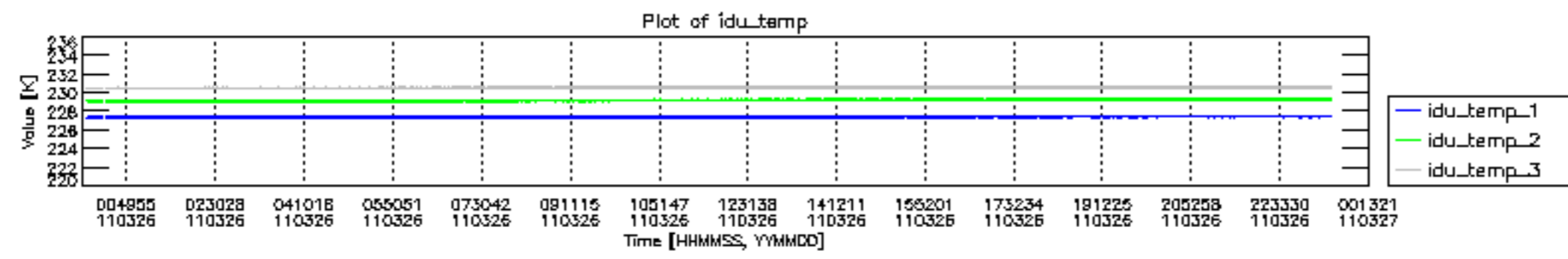


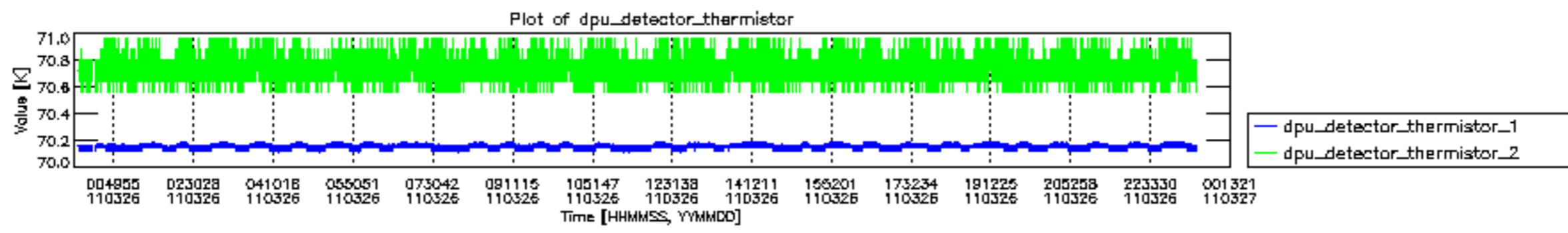
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110326\_13.PNG

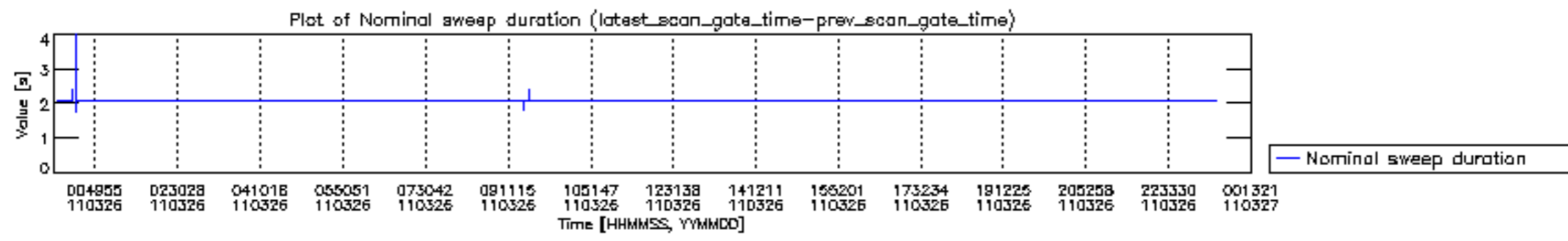


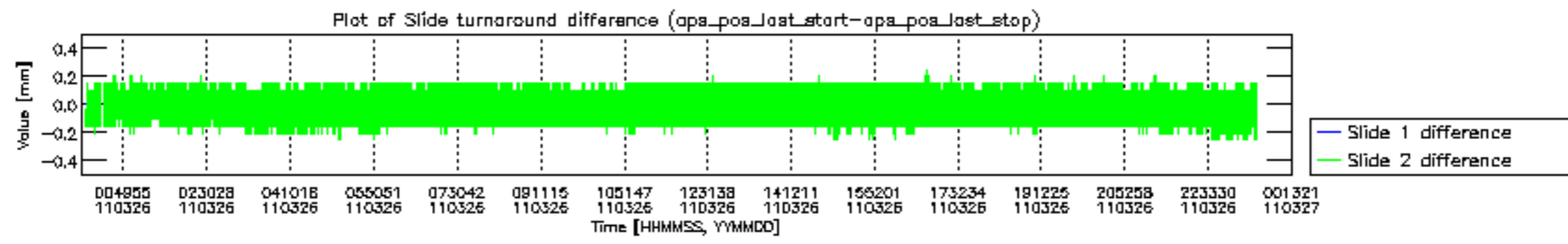


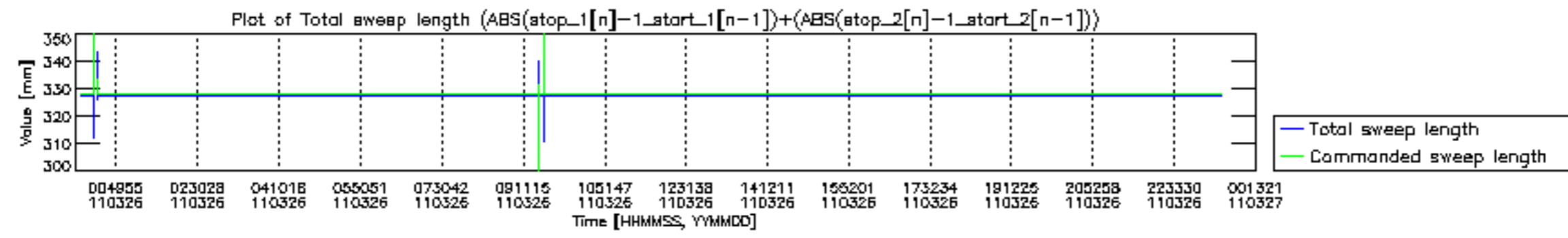


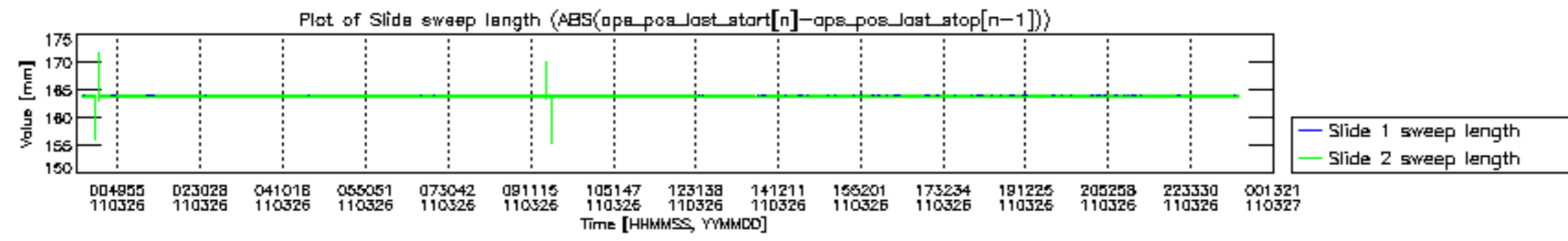


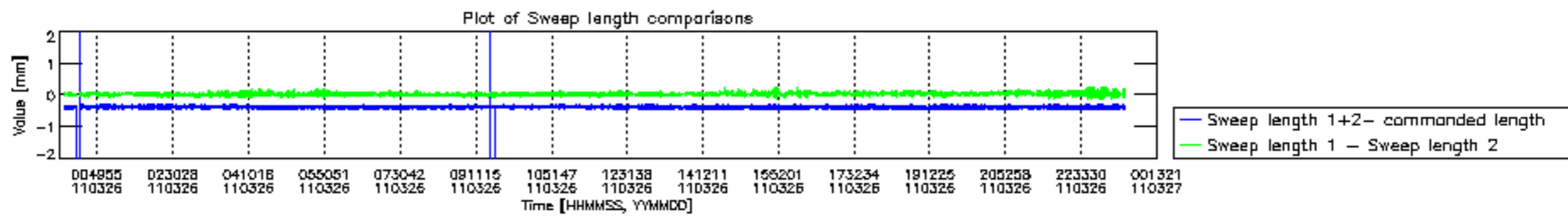


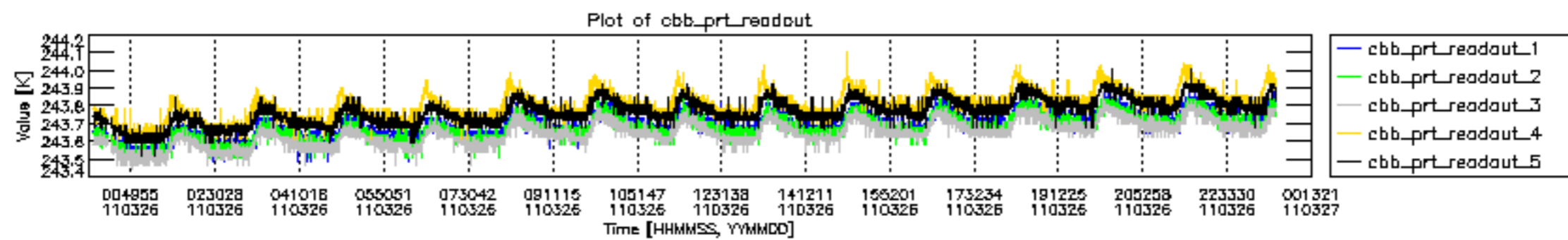




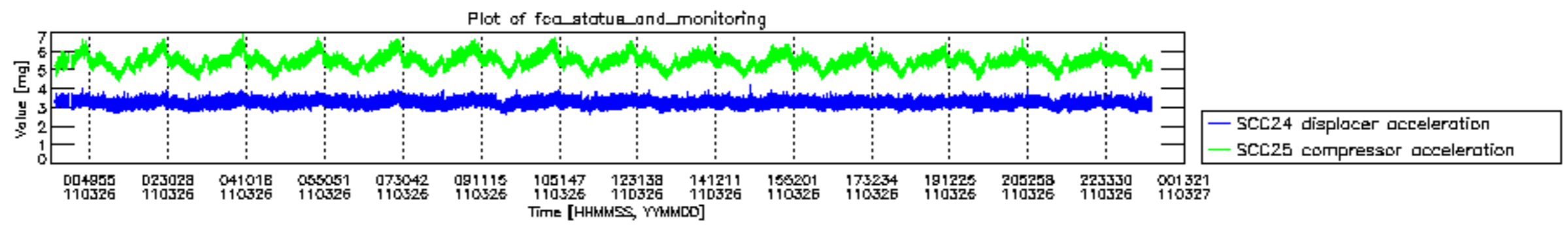












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

