

## 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	02MAR2012 05:21:32
Data source version	KSPT_L0/4504-N
Processing scope for products	26FEB2012 00:00:00 to 27FEB2012 00:00:00
Start time of first product within scope	26FEB2012 00:52:12
Stop time of last product within scope	27FEB2012 00:17:00
Total number of level 0 products	12
Number of level 0 products with errors	2

### 0.1.2 Product Quality Indicators per product

The following table shows a summary for each product used in this report.

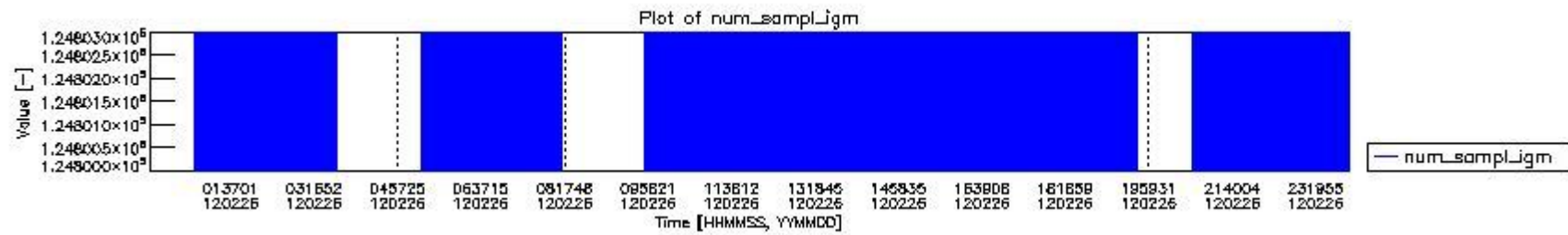
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20120226_005212_000058143112_00088_52257_1105.N1	26FEB2012 00:52:12	26FEB2012 02:29:05	0	0	0	0	0
1	MIP_NL__0PNPDE20120226_022803_000046023112_00089_52258_1106.N1	26FEB2012 02:28:03	26FEB2012 03:44:45	0	0	0	0	0
2	MIP_NL__0PNPDE20120226_052625_000060623112_00091_52260_1108.N1	26FEB2012 05:26:25	26FEB2012 07:07:27	0	0	0	0	0
3	MIP_NL__0PNPDK20120226_070653_000040823112_00092_52261_8700.N1	26FEB2012 07:06:53	26FEB2012 08:14:55	1	1	0	0	0
4	MIP_NL__0PNPDK20120226_095405_000058873112_00094_52263_8702.N1	26FEB2012 09:54:05	26FEB2012 11:32:11	0	0	0	0	0
5	MIP_NL__0PNPDK20120226_113031_000060963112_00095_52264_8703.N1	26FEB2012 11:30:31	26FEB2012 13:12:07	0	0	0	0	0
6	MIP_NL__0PNPDK20120226_131027_000059563112_00096_52265_8704.N1	26FEB2012 13:10:27	26FEB2012 14:49:42	0	0	0	0	0
7	MIP_NL__0PNPDK20120226_144800_000059663112_00097_52266_8705.N1	26FEB2012 14:48:00	26FEB2012 16:27:26	1	1	0	0	0
8	MIP_NL__0PNPDK20120226_162619_000059373112_00098_52267_8706.N1	26FEB2012 16:26:19	26FEB2012 18:05:16	0	0	0	0	0
9	MIP_NL__0PNPDK20120226_180443_000060413112_00099_52268_8707.N1	26FEB2012 18:04:43	26FEB2012 19:45:24	0	0	0	0	0
10	MIP_NL__0PNPDE20120226_205051_000064303112_00100_52269_1110.N1	26FEB2012 20:50:51	26FEB2012 22:38:01	0	0	0	0	0
11	MIP_NL__0PNPDE20120226_223703_000059973112_00101_52270_1111.N1	26FEB2012 22:37:03	27FEB2012 00:17:00	0	0	0	0	0

## 0.2 Instrument Operational Performance Parameters

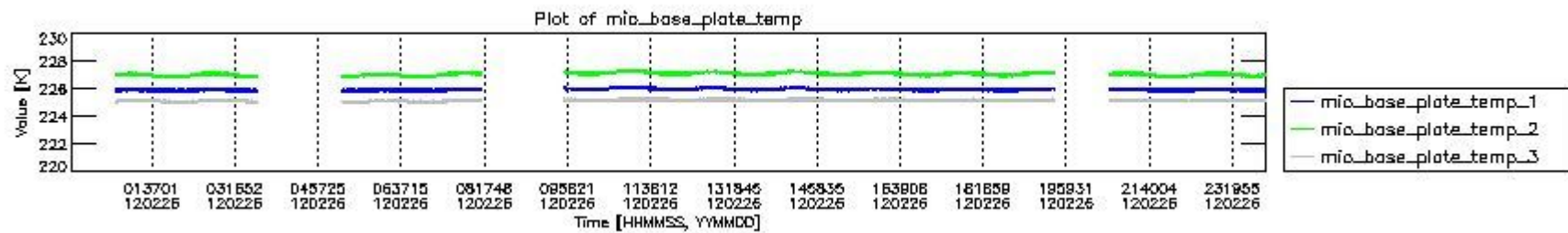
The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP\_NL\_\_0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

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

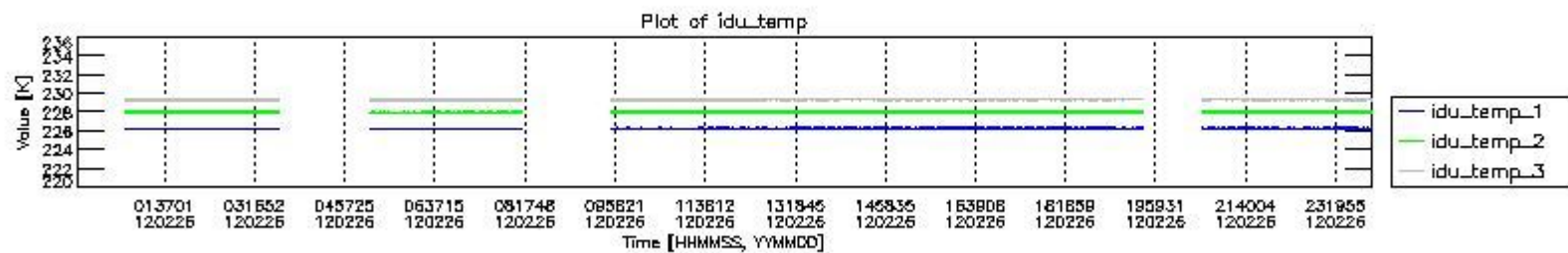
Number of igm samples	Count [#]	Count [%]
124800	30042	92.836836
124803	2318	7.1631644



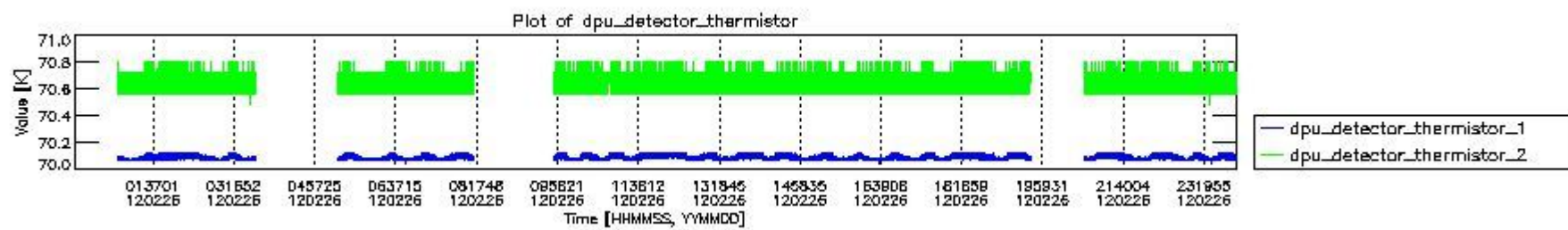
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120226\_0.PNG



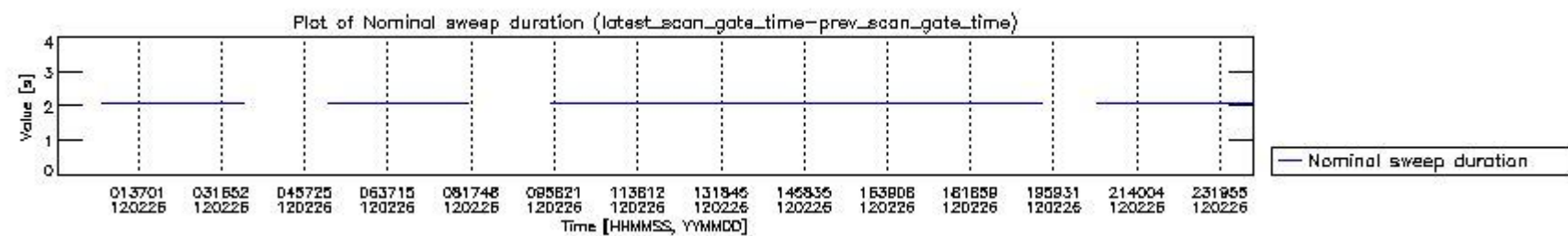
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120226\_1.PNG



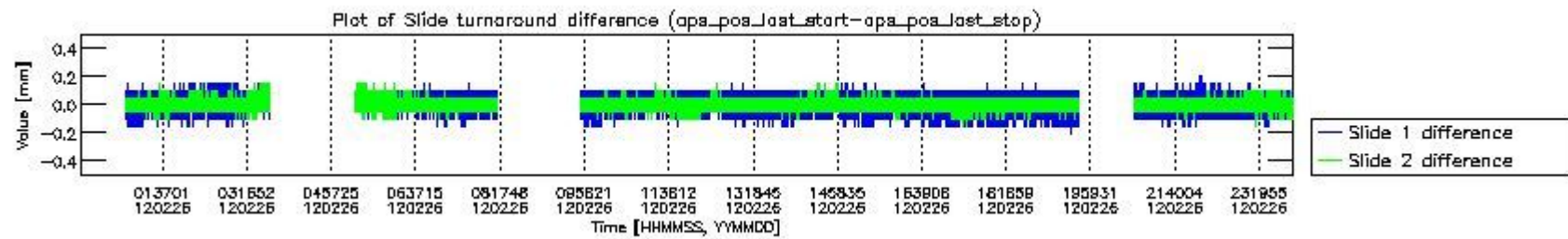
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120226\_2.PNG



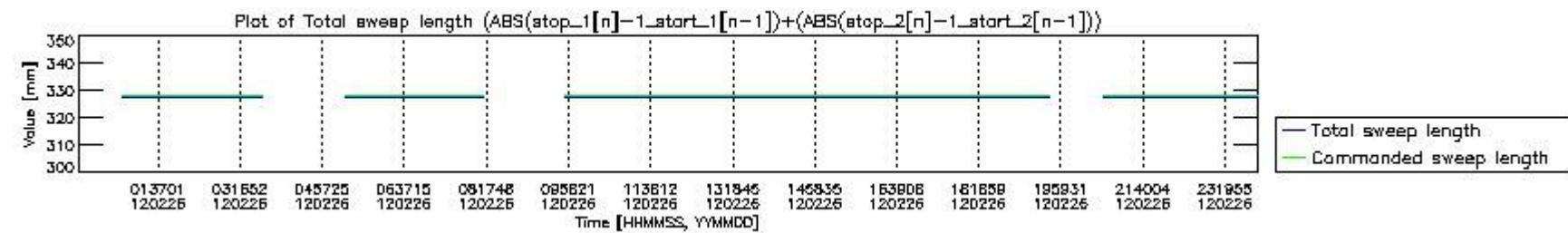
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120226\_3.PNG



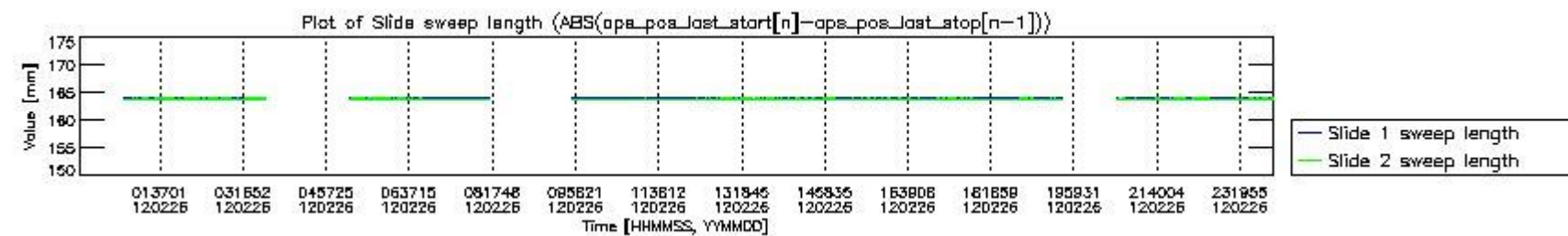
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120226\_4.PNG



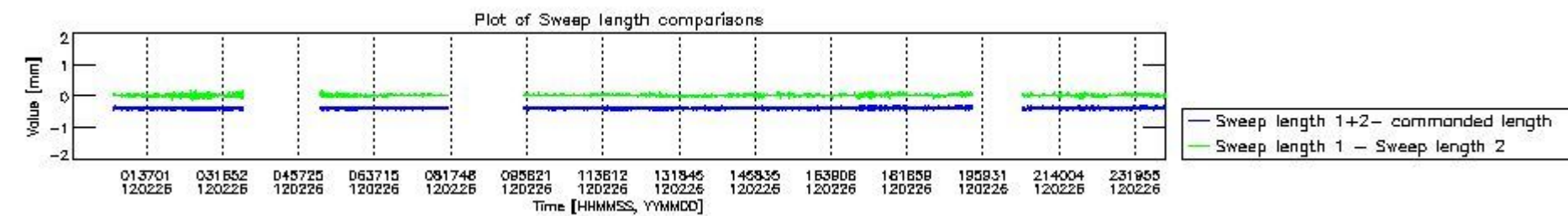
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120226\_5.PNG



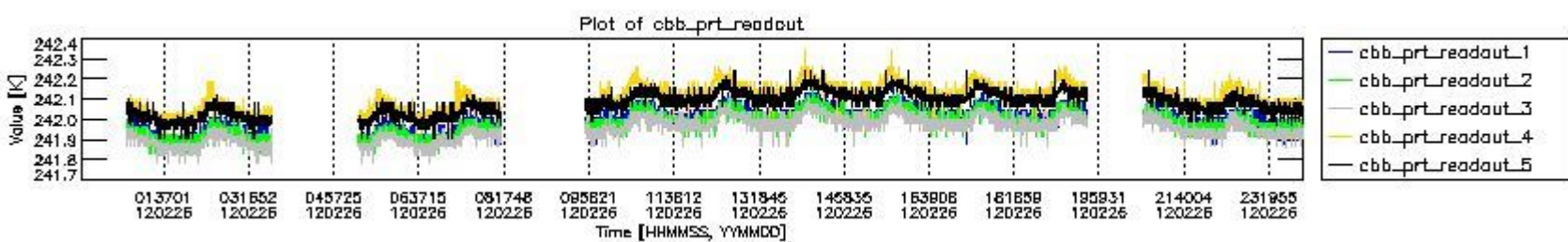
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120226\_6.PNG



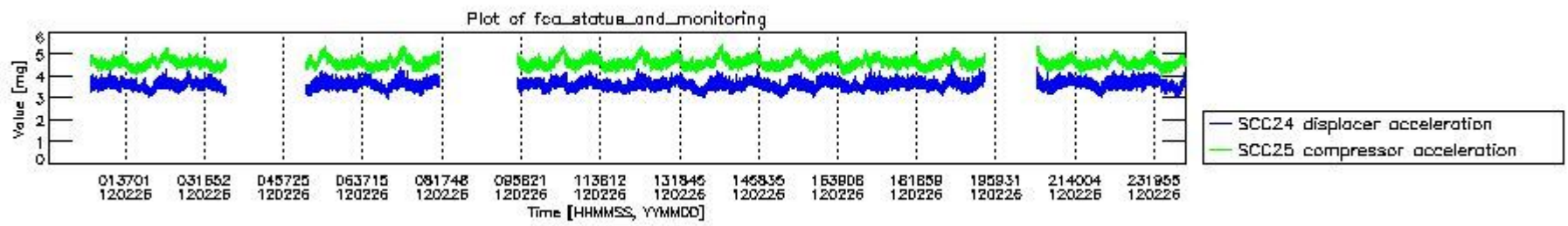
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120226\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120226\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120226\_9.PNG

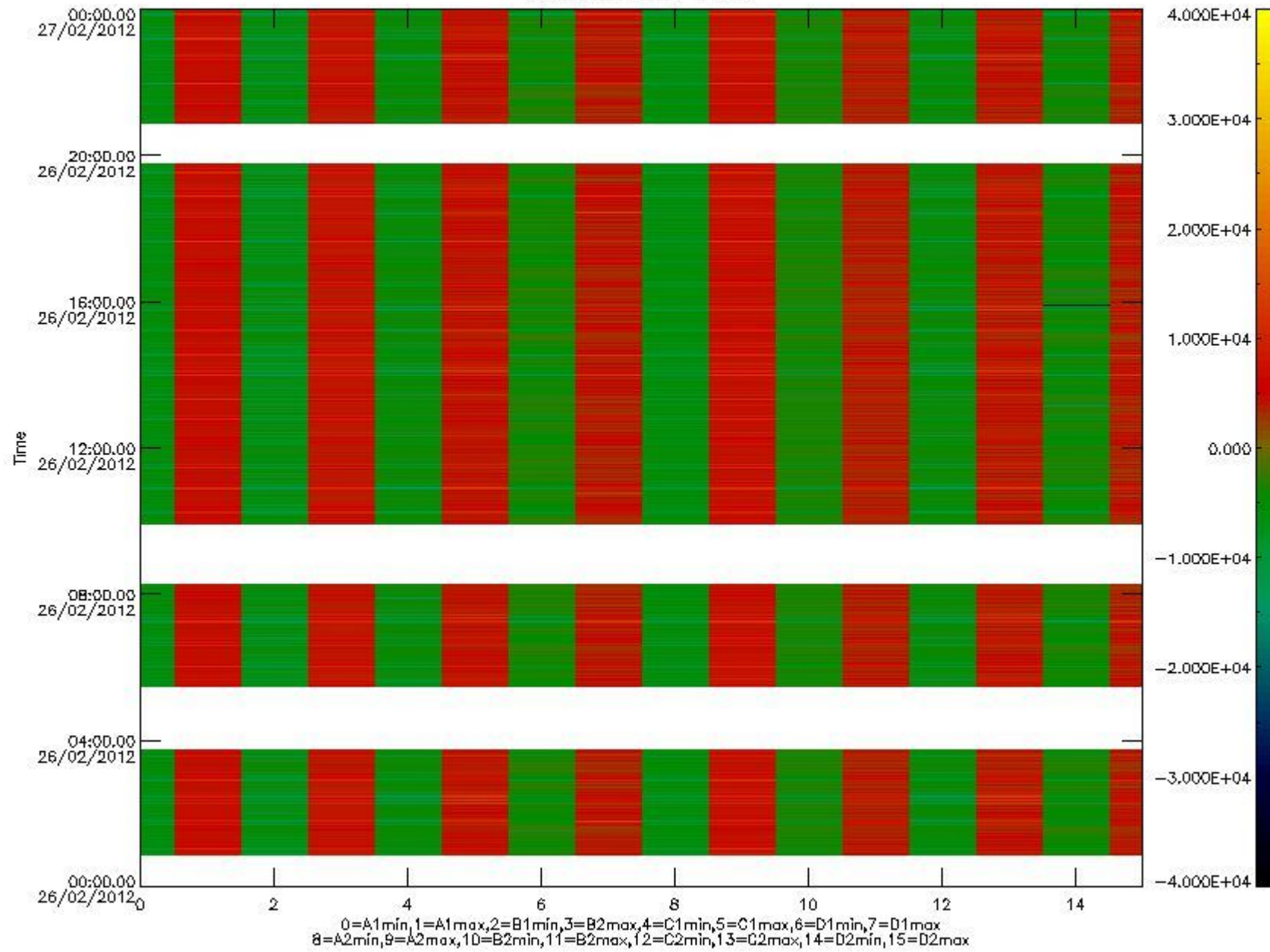


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120226\_10.PNG

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

Channel	Min	Max	ADC
A1	-16303	17140	16bit
B1	-16011	14089	16bit
C1	-24473	16179	16bit
D1	-32768	32767	16bit
A2	-14155	17218	16bit
B2	-12529	12484	16bit
C2	-16987	23856	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\_20120226\_11.PNG

### 0.3 ADF monitoring

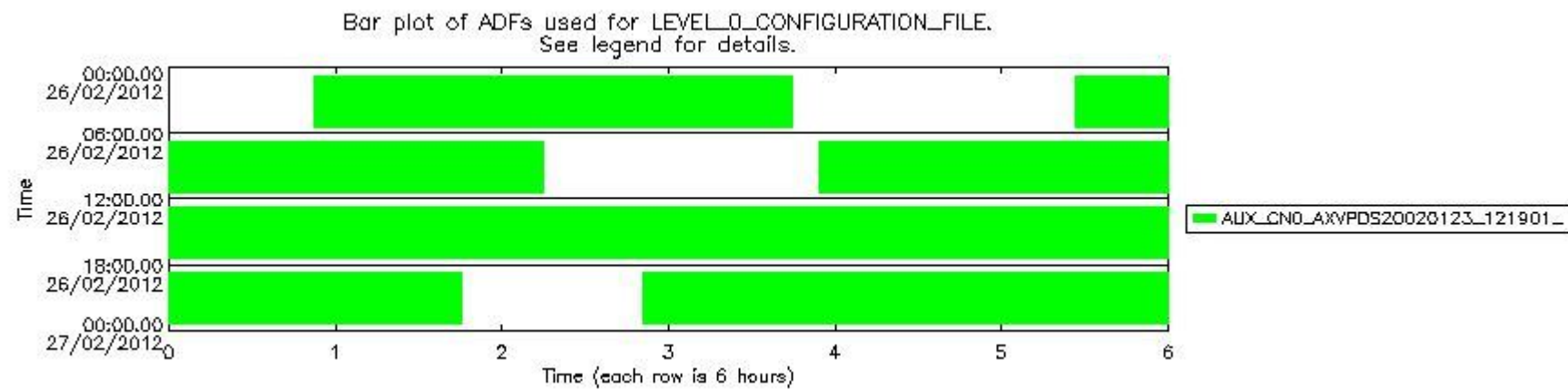
The use of ADFs is shown in two ways:

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.

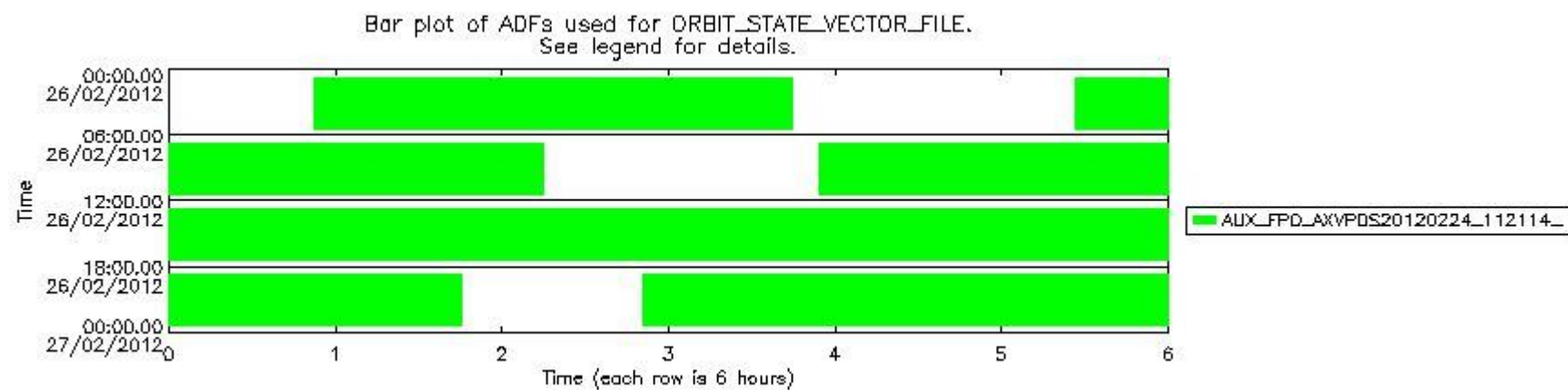
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120224_112114_20120223_193730_20120304_201058

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20120226_005212_000058143112_00088_52257_1105.N1	0	1

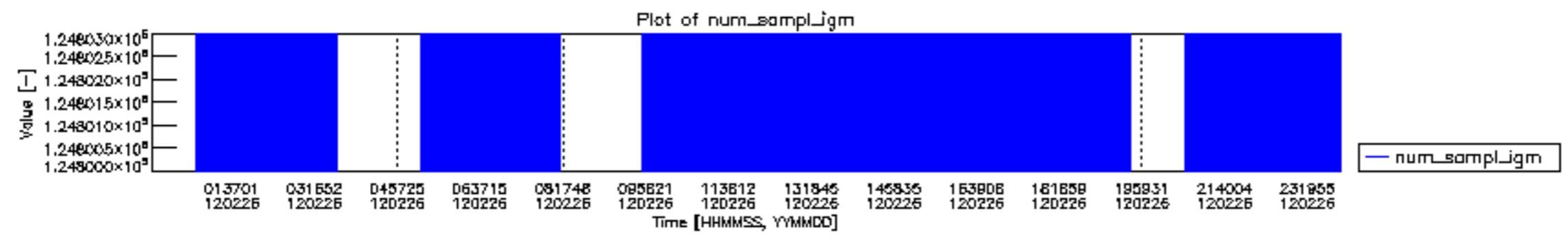
1	MIP_NL__0PNPDE20120226_022803_000046023112_00089_52258_1106.N1	0	1
2	MIP_NL__0PNPDE20120226_052625_000060623112_00091_52260_1108.N1	0	1
3	MIP_NL__0PNPDK20120226_070653_000040823112_00092_52261_8700.N1	0	1
4	MIP_NL__0PNPDK20120226_095405_000058873112_00094_52263_8702.N1	0	1
5	MIP_NL__0PNPDK20120226_113031_000060963112_00095_52264_8703.N1	0	1
6	MIP_NL__0PNPDK20120226_131027_000059563112_00096_52265_8704.N1	0	1
7	MIP_NL__0PNPDK20120226_144800_000059663112_00097_52266_8705.N1	0	1
8	MIP_NL__0PNPDK20120226_162619_000059373112_00098_52267_8706.N1	0	1
9	MIP_NL__0PNPDK20120226_180443_000060413112_00099_52268_8707.N1	0	1
10	MIP_NL__0PNPDE20120226_205051_000064303112_00100_52269_1110.N1	0	1
11	MIP_NL__0PNPDE20120226_223703_000059973112_00101_52270_1111.N1	0	1

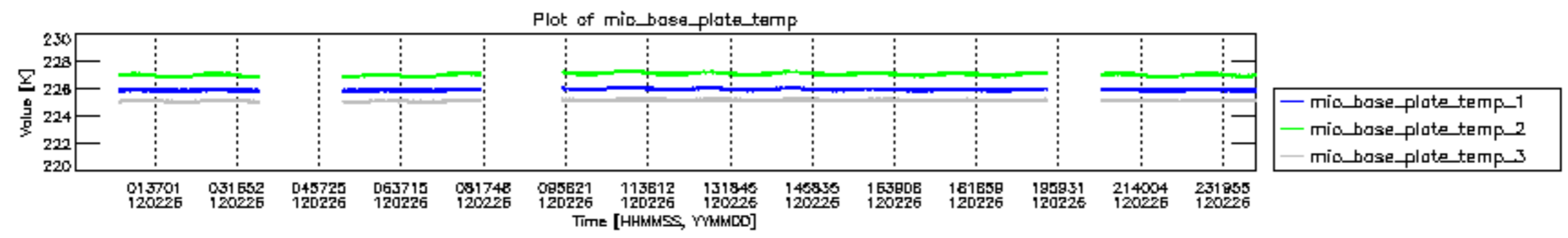


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120226\_12.PNG

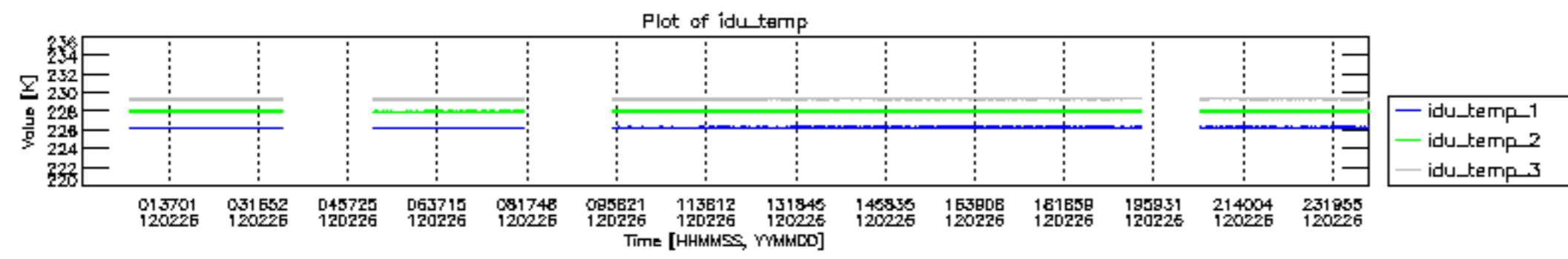


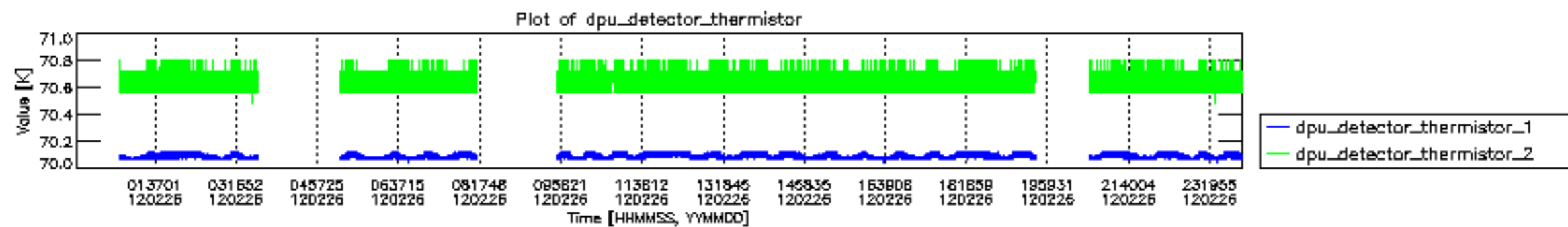
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120226\_13.PNG

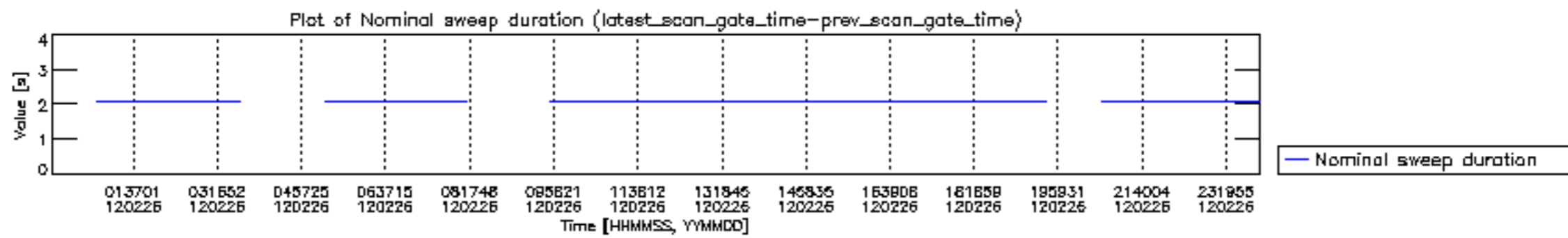


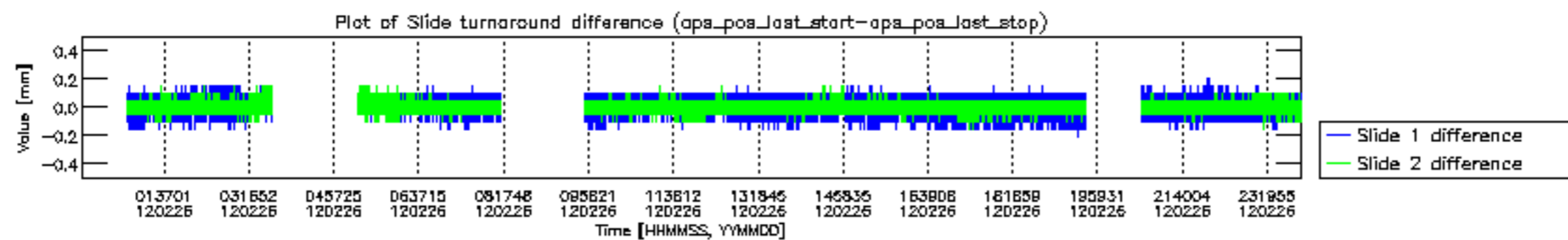


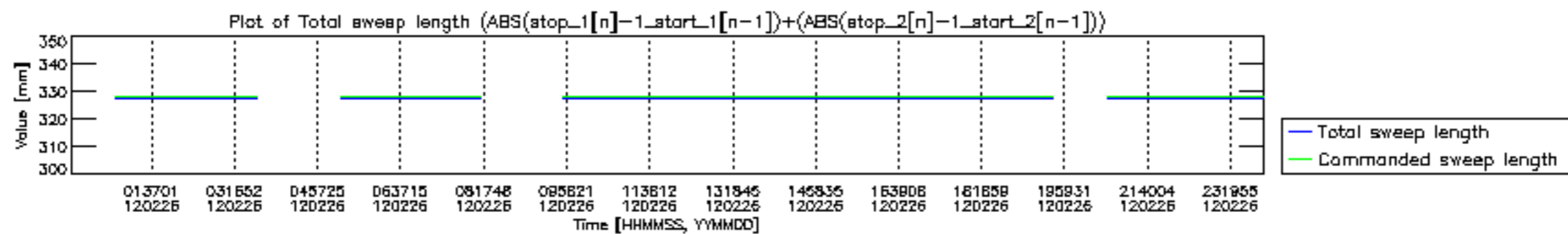


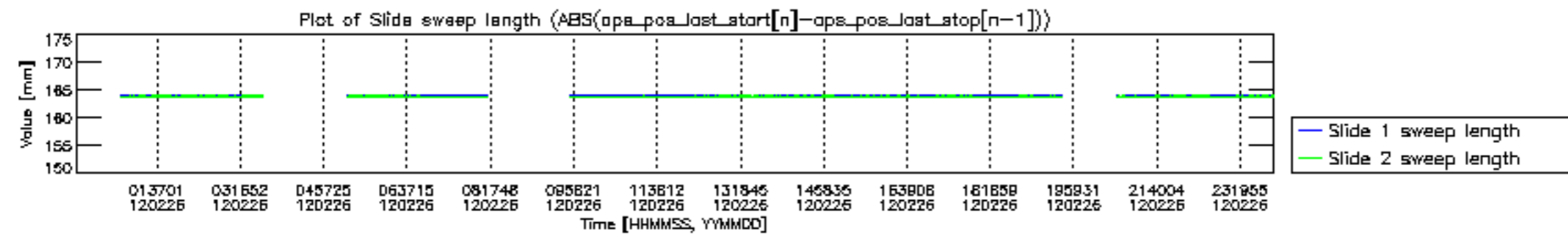


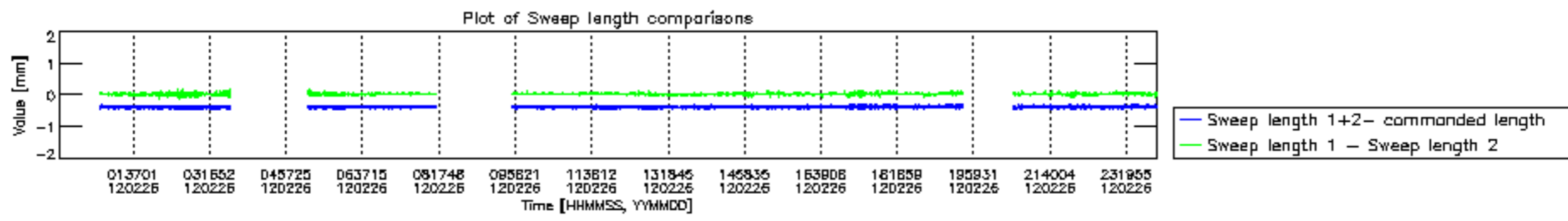


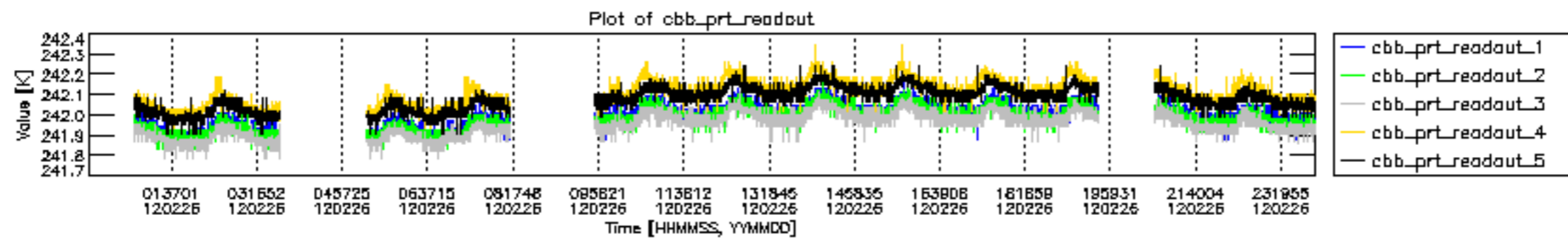




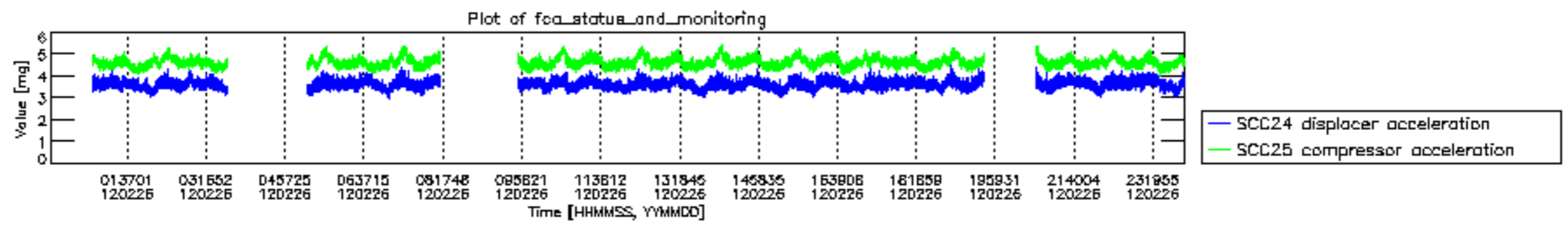












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

