

## 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	07JAN2012 05:24:08
Data source version	KSPT_L0/4504-N
Processing scope for products	02JAN2012 00:00:00 to 03JAN2012 00:00:00
Start time of first product within scope	02JAN2012 01:10:27
Stop time of last product within scope	03JAN2012 00:35:14
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__OPNPDE20120102_011027_000102073110_00160_51467_5258.N1	02JAN2012 01:10:27	02JAN2012 04:00:34	0	0	0	0	0
1	MIP_NL__OPNPDE20120102_040000_000062423110_00162_51469_5259.N1	02JAN2012 04:00:00	02JAN2012 05:44:02	0	0	0	0	0
2	MIP_NL__OPNPDE20120102_054328_000060733110_00163_51470_5260.N1	02JAN2012 05:43:28	02JAN2012 07:24:41	0	0	0	0	0
3	MIP_NL__OPNPDK20120102_083000_000061463110_00165_51472_7962.N1	02JAN2012 08:30:00	02JAN2012 10:12:26	0	0	0	0	0
4	MIP_NL__OPNPDK20120102_101049_000060393110_00166_51473_7963.N1	02JAN2012 10:10:49	02JAN2012 11:51:28	0	0	0	0	0
5	MIP_NL__OPNPDK20120102_114952_000059793110_00167_51474_7964.N1	02JAN2012 11:49:52	02JAN2012 13:29:31	0	0	0	0	0
6	MIP_NL__OPNPDK20120102_132832_000059143110_00168_51475_7965.N1	02JAN2012 13:28:32	02JAN2012 15:07:06	0	0	0	0	0
7	MIP_NL__OPNPDK20120102_150620_000059543110_00169_51476_7966.N1	02JAN2012 15:06:20	02JAN2012 16:45:34	0	0	0	0	0
8	MIP_NL__OPNPDK20120102_164400_000058953110_00170_51477_7967.N1	02JAN2012 16:44:00	02JAN2012 18:22:15	0	0	0	0	0
9	MIP_NL__OPNPDK20120102_182110_000059703110_00171_51478_7968.N1	02JAN2012 18:21:10	02JAN2012 20:00:41	0	0	0	0	0
10	MIP_NL__OPNPDE20120102_195837_000040843110_00172_51479_5262.N1	02JAN2012 19:58:37	02JAN2012 21:06:41	0	0	0	0	0
11	MIP_NL__OPNPDE20120102_210509_000065053110_00172_51479_5263.N1	02JAN2012 21:05:09	02JAN2012 22:53:35	0	0	0	0	0
12	MIP_NL__OPNPDE20120102_225234_000061603110_00173_51480_5264.N1	02JAN2012 22:52:34	03JAN2012 00:35:14	0	0	0	0	0

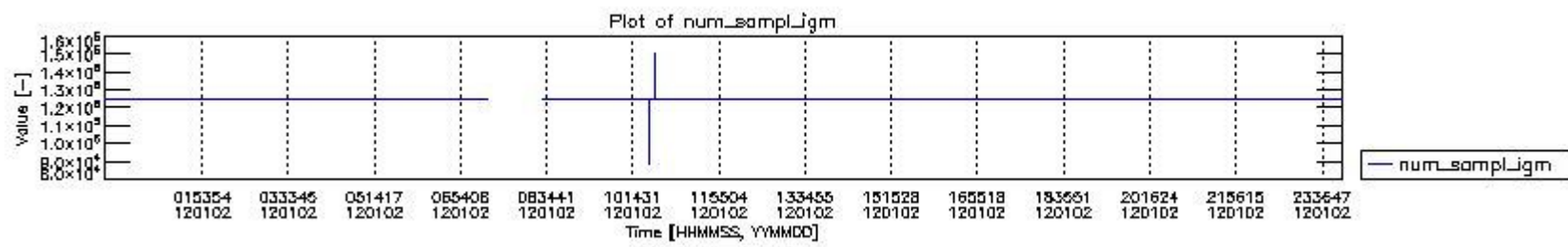
## 0.2 Instrument Operational Performance Parameters

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.

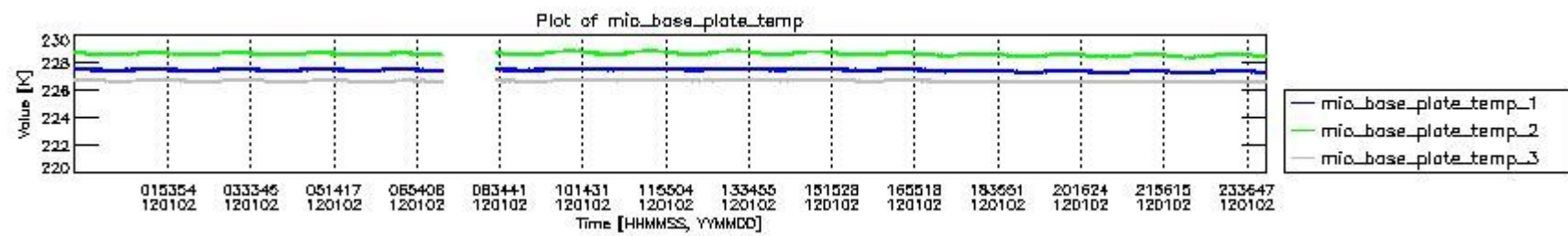
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
88096	1	0.0025114270
96382	1	0.0025114270
116514	1	0.0025114270
124800	36989	92.895173
124803	2823	7.0897584

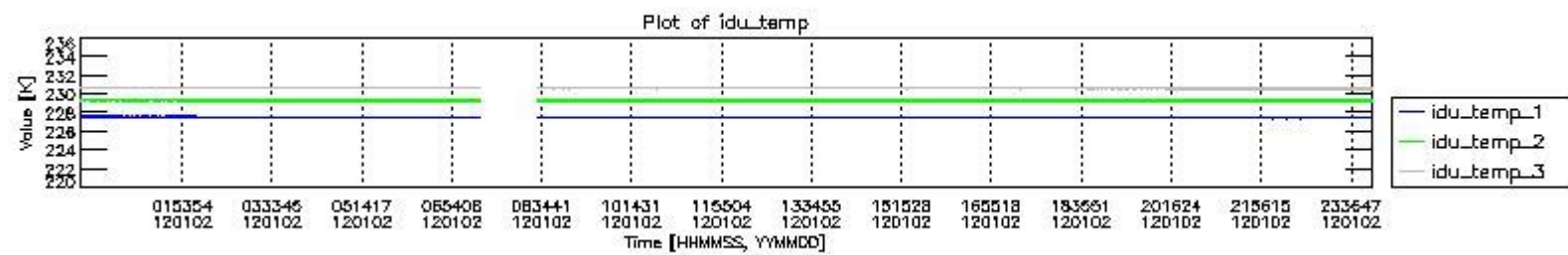
127679	1	0.0025114270
147811	1	0.0025114270
150690	1	0.0025114270



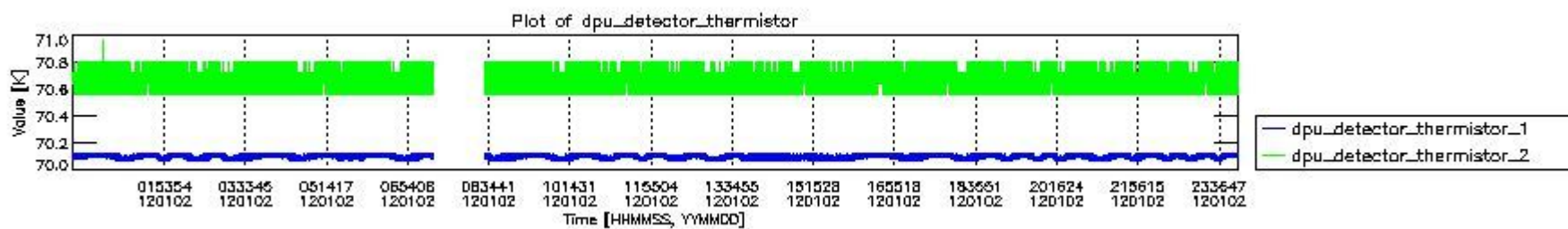
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120102\_0.PNG



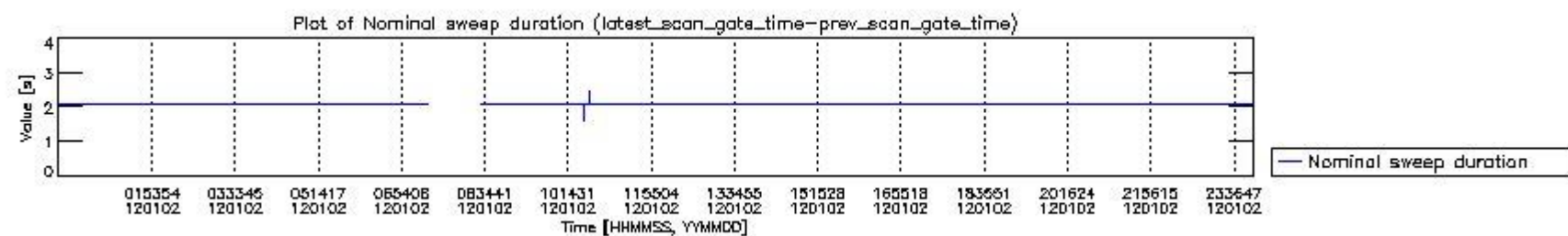
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120102\_1.PNG



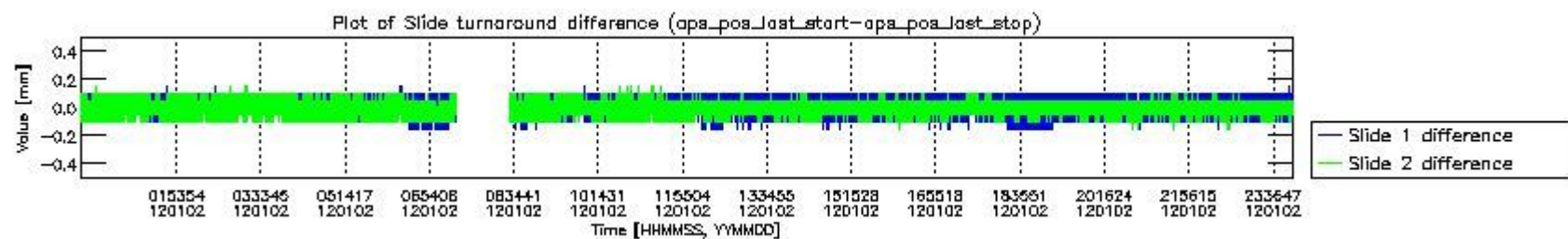
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120102\_2.PNG



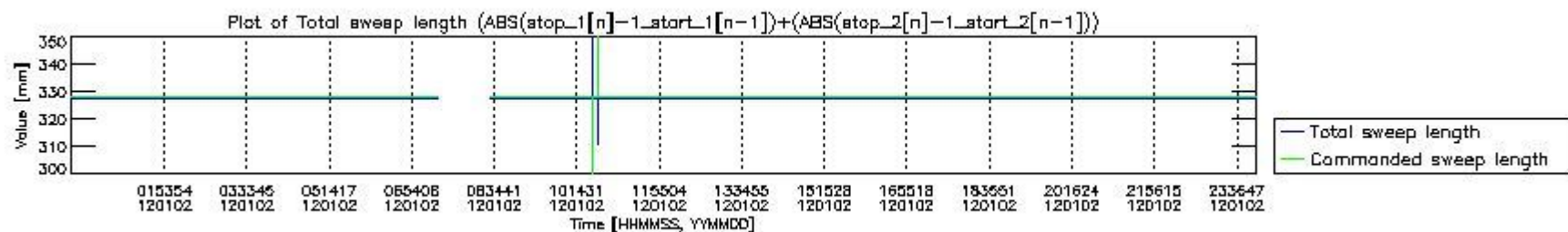
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120102\_3.PNG



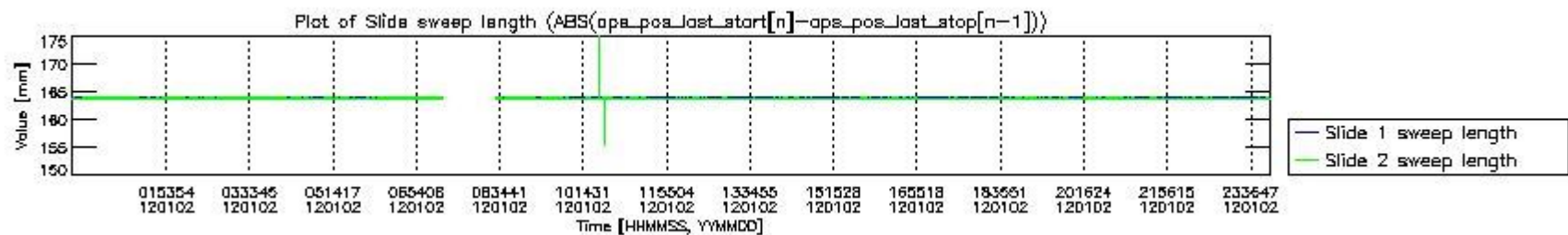
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120102\_4.PNG



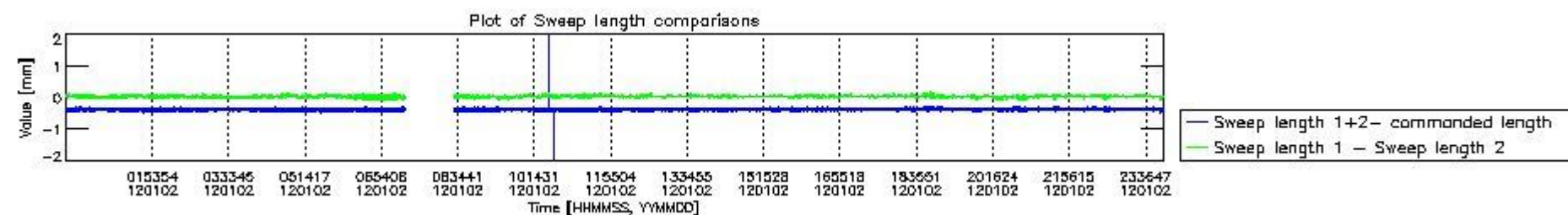
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120102\_5.PNG



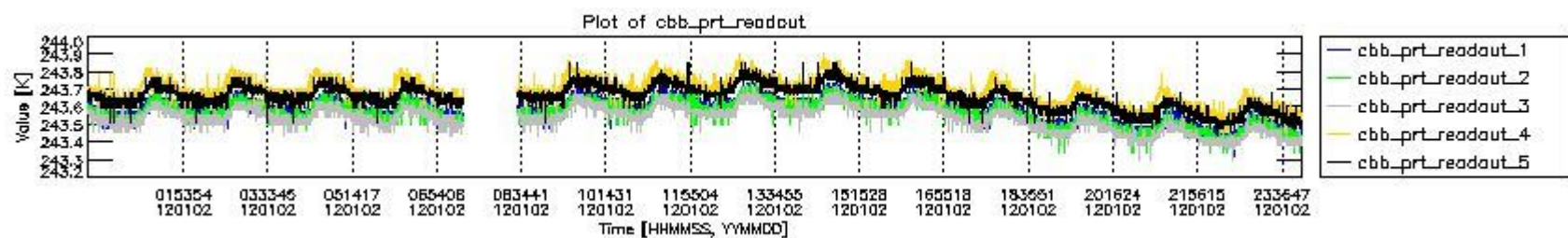
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120102\_6.PNG



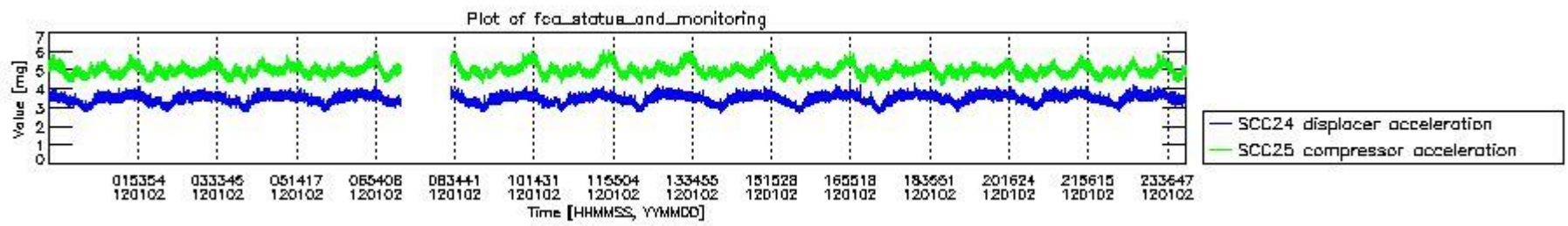
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120102\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120102\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120102\_9.PNG

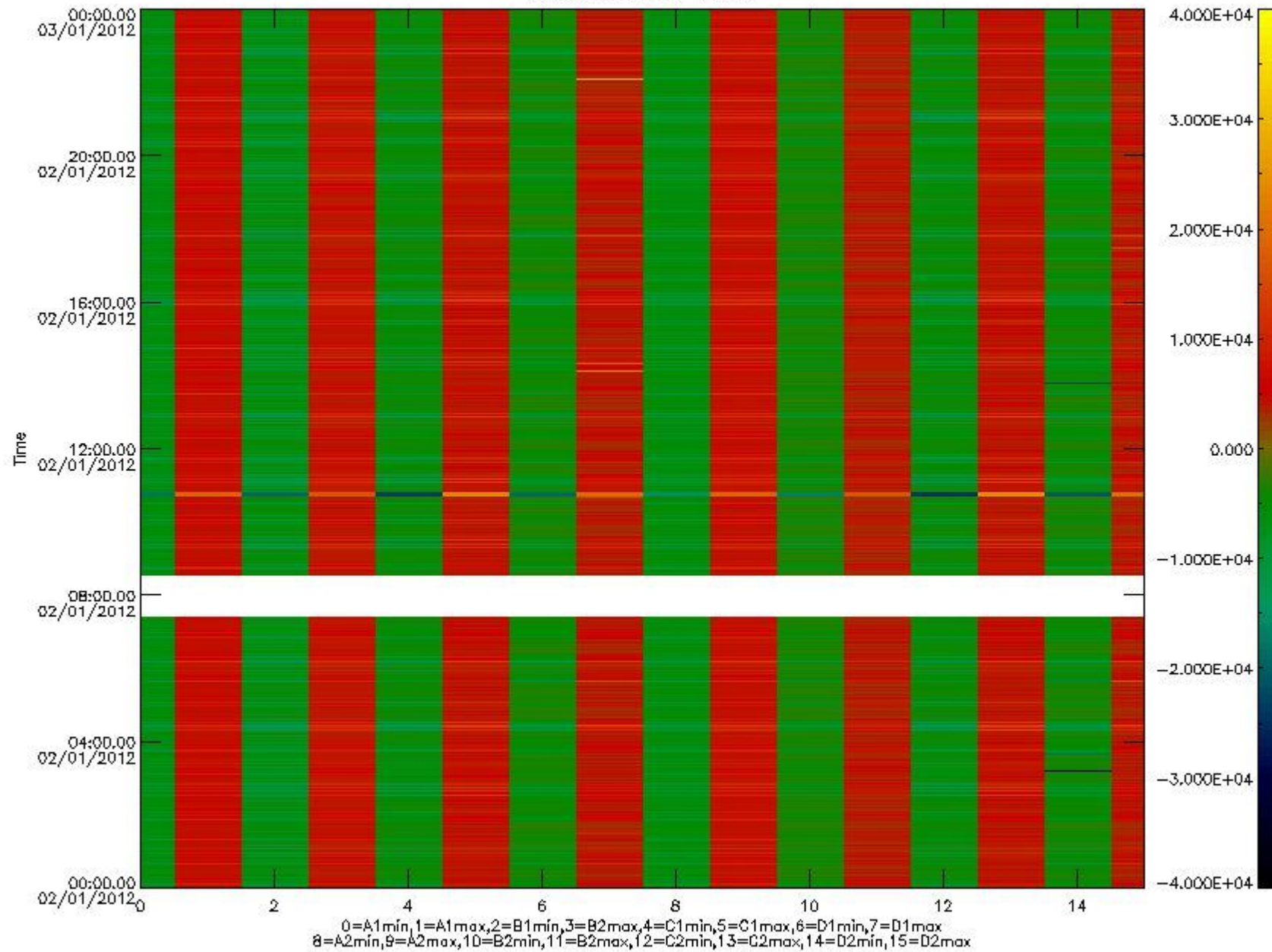


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120102\_10.PNG

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

Channel	Min	Max	ADC
A1	-17839	18864	16bit
B1	-19928	17197	16bit
C1	-24461	23727	16bit
D1	-27501	32767	16bit
A2	-15513	19077	16bit
B2	-17745	17450	16bit
C2	-24887	24432	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\_20120102\_11.PNG

### 0.3 ADF monitoring

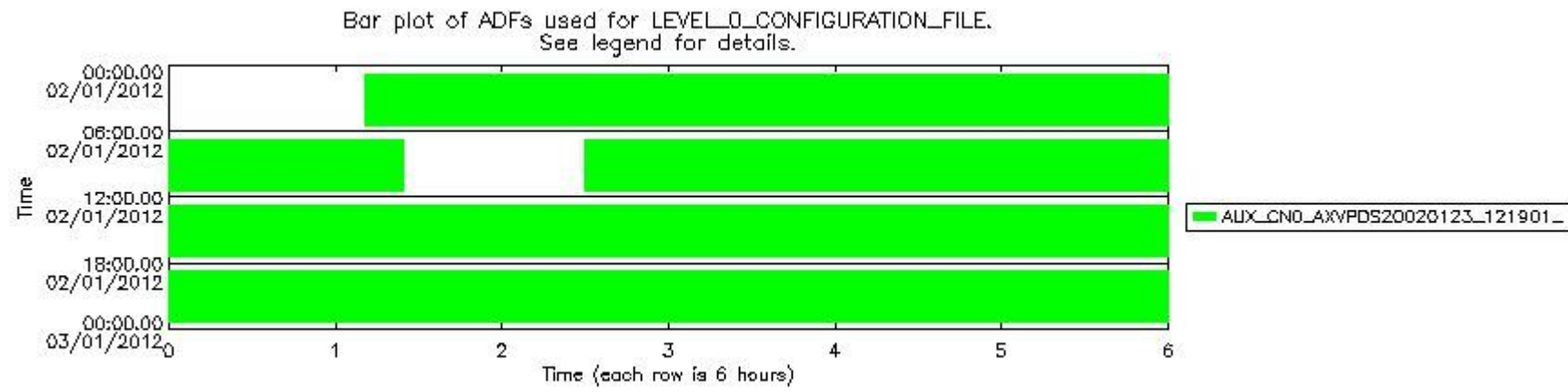
The use of ADFs is shown in two ways:

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.

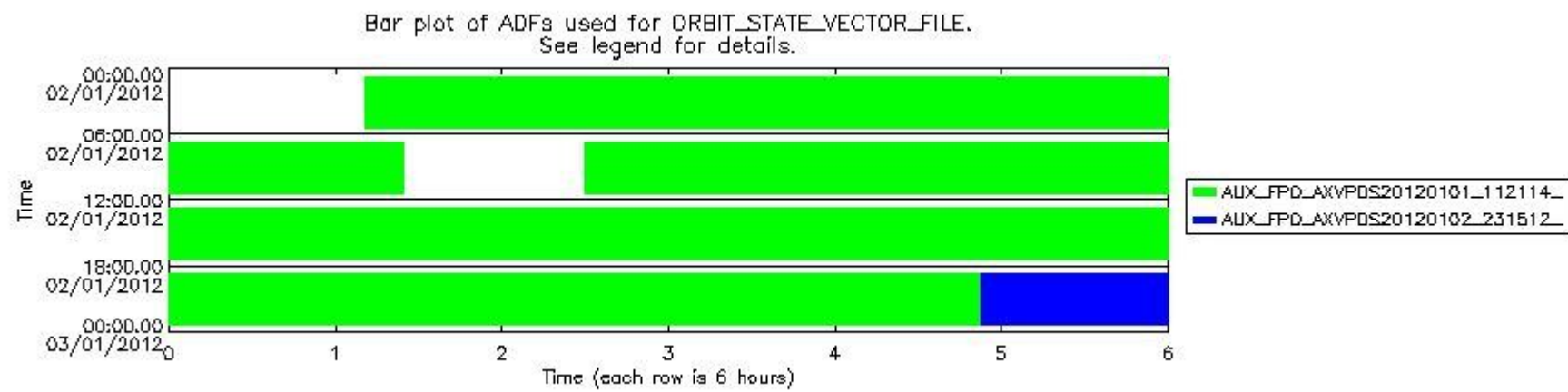
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120101_112114_20111231_191723_20120110_213103
2	AUX_FPO_AXVPDS20120102_231512_20120101_184038_20120111_205418

Number	Product name	#CN0	#FPO
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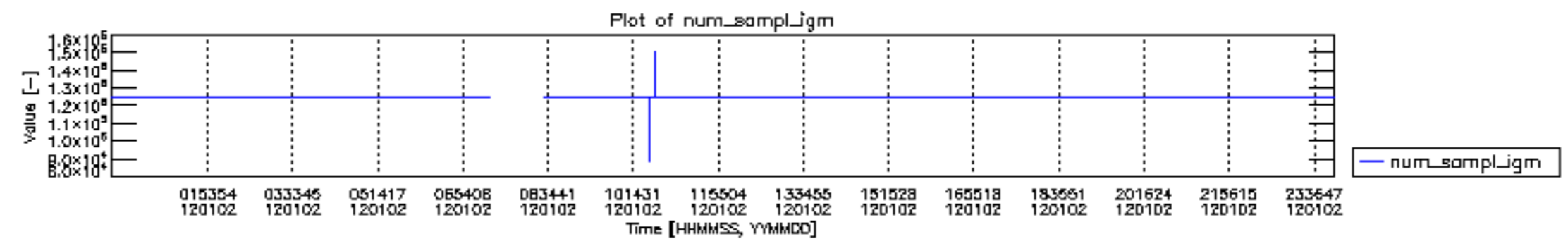
0	MIP_NL__0PNPDE20120102_011027_000102073110_00160_51467_5258.N1	0	1
1	MIP_NL__0PNPDE20120102_040000_000062423110_00162_51469_5259.N1	0	1
2	MIP_NL__0PNPDE20120102_054328_000060733110_00163_51470_5260.N1	0	1
3	MIP_NL__0PNPDK20120102_083000_000061463110_00165_51472_7962.N1	0	1
4	MIP_NL__0PNPDK20120102_101049_000060393110_00166_51473_7963.N1	0	1
5	MIP_NL__0PNPDK20120102_114952_000059793110_00167_51474_7964.N1	0	1
6	MIP_NL__0PNPDK20120102_132832_000059143110_00168_51475_7965.N1	0	1
7	MIP_NL__0PNPDK20120102_150620_000059543110_00169_51476_7966.N1	0	1
8	MIP_NL__0PNPDK20120102_164400_000058953110_00170_51477_7967.N1	0	1
9	MIP_NL__0PNPDK20120102_182110_000059703110_00171_51478_7968.N1	0	1
10	MIP_NL__0PNPDE20120102_195837_000040843110_00172_51479_5262.N1	0	1
11	MIP_NL__0PNPDE20120102_210509_000065053110_00172_51479_5263.N1	0	1
12	MIP_NL__0PNPDE20120102_225234_000061603110_00173_51480_5264.N1	0	2

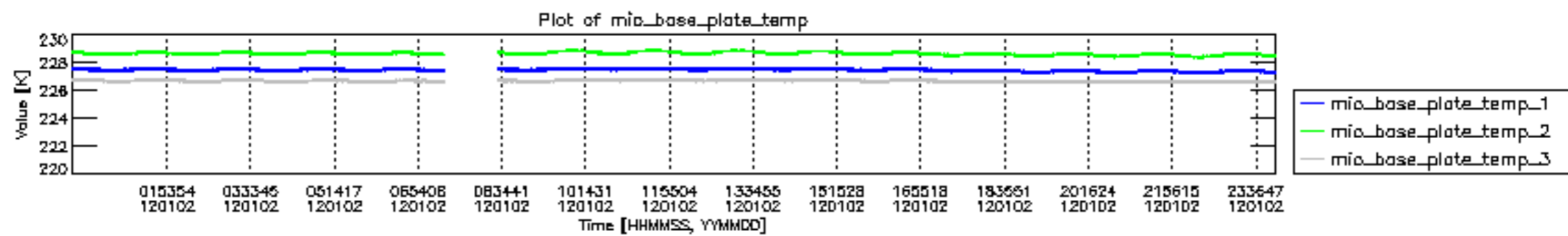


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120102\_12.PNG

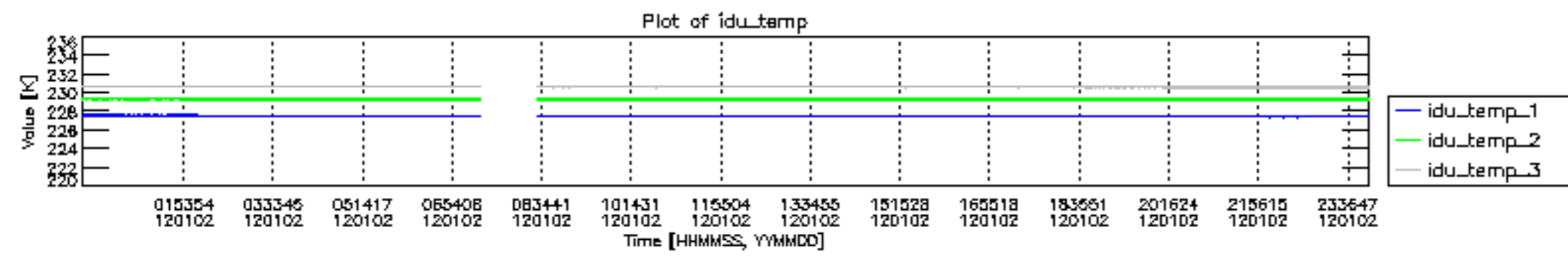


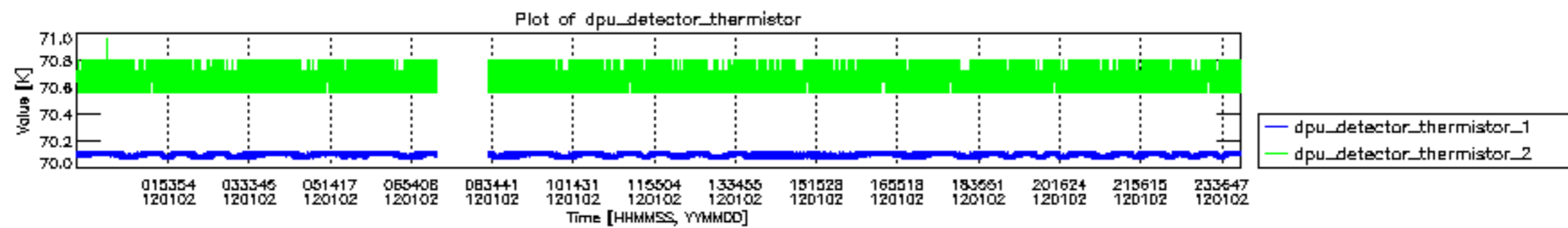
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120102\_13.PNG

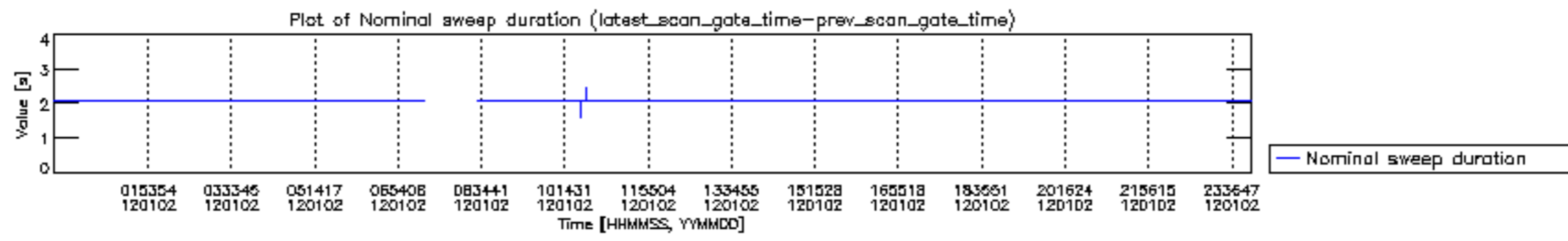


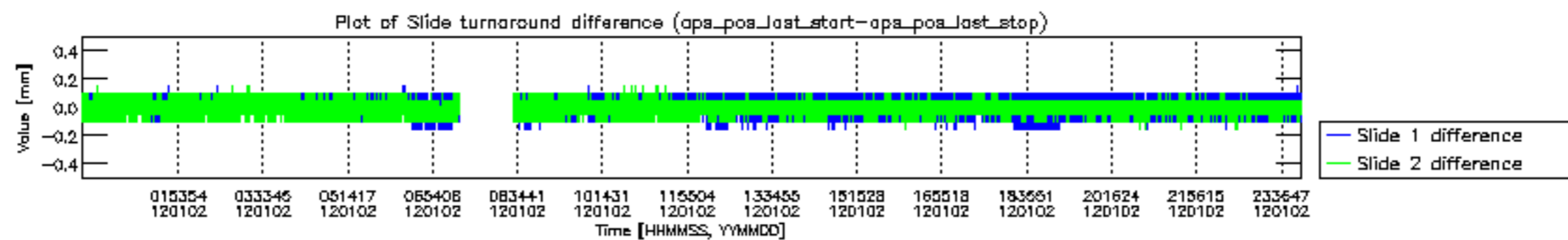


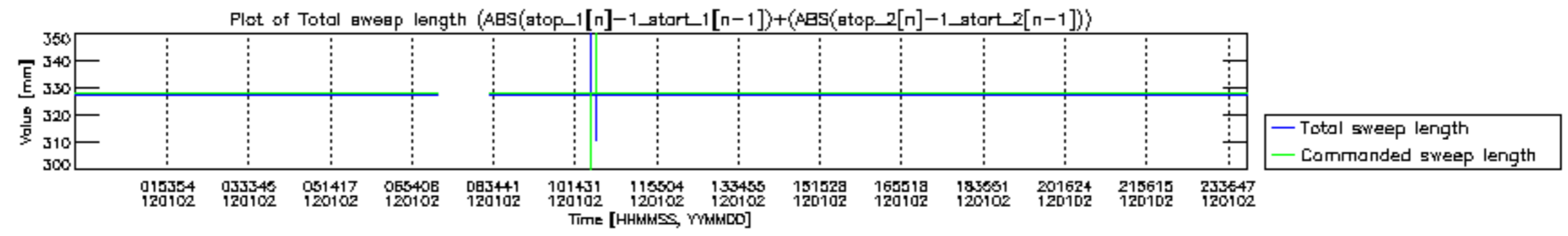


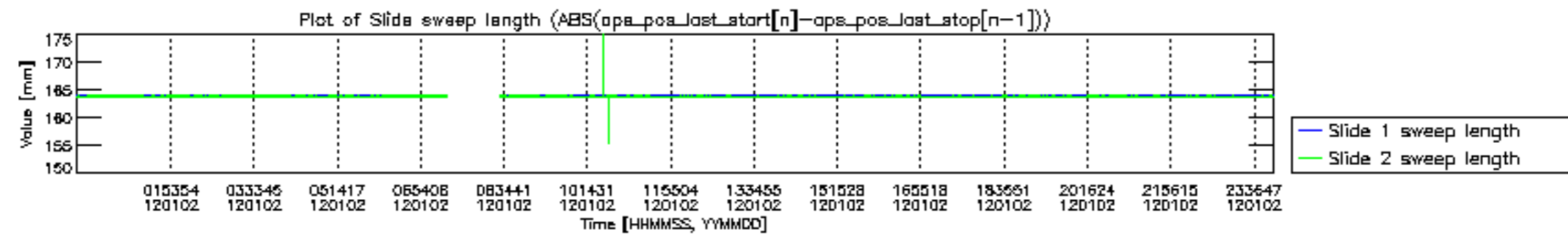


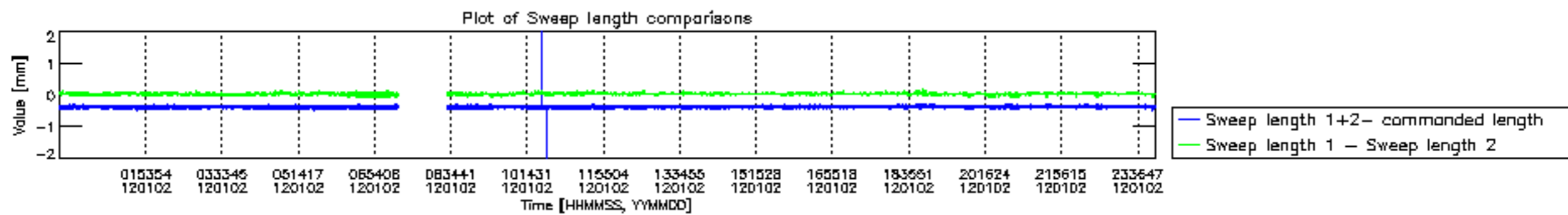


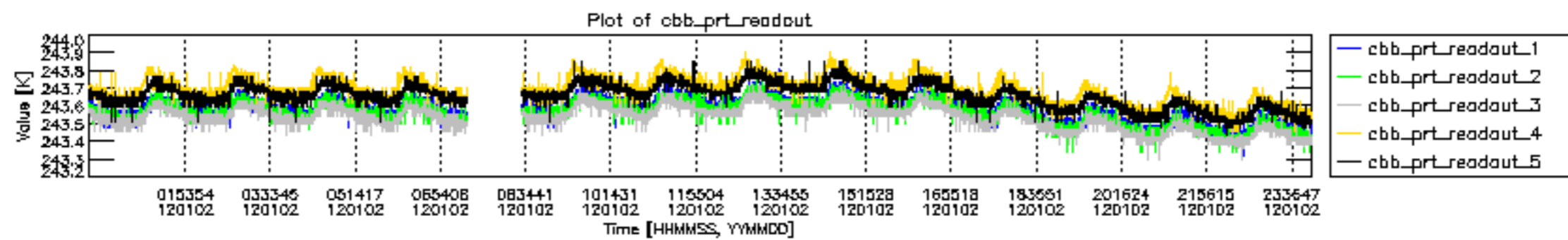




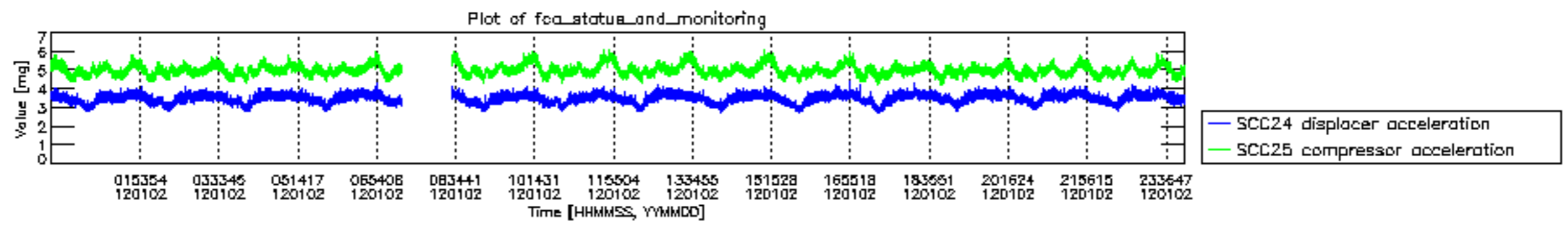












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

