

## 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	08APR2012 05:25:02
Data source version	KSPT_L0/4504-N
Processing scope for products	03APR2012 00:00:00 to 04APR2012 00:00:00
Start time of first product within scope	03APR2012 00:16:07
Stop time of last product within scope	04APR2012 01:00:51
Total number of level 0 products	15
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__OPNPDE20120403_001607_000048553113_00189_52789_1348.N1	03APR2012 00:16:07	03APR2012 01:37:02	0	0	0	0	0
1	MIP_NL__OPNPDE20120403_013601_000041453113_00189_52789_1346.N1	03APR2012 01:36:01	03APR2012 02:45:06	0	0	0	0	0
2	MIP_NL__OPNPDE20120403_042803_000061443113_00191_52791_1350.N1	03APR2012 04:28:03	03APR2012 06:10:27	0	0	0	0	0
3	MIP_NL__OPNPDK20120403_060954_000040763113_00192_52792_9101.N1	03APR2012 06:09:54	03APR2012 07:17:49	0	0	0	0	0
4	MIP_NL__OPNPDK20120403_071714_000061283113_00193_52793_9102.N1	03APR2012 07:17:14	03APR2012 08:59:22	0	0	0	0	0
5	MIP_NL__OPNPDK20120403_085838_000060163113_00194_52794_9103.N1	03APR2012 08:58:38	03APR2012 10:38:55	0	0	0	0	0
6	MIP_NL__OPNPDK20120403_103811_000059773113_00195_52795_9104.N1	03APR2012 10:38:11	03APR2012 12:17:48	0	0	0	0	0
7	MIP_NL__OPNPDK20120403_121706_000058993113_00196_52796_9105.N1	03APR2012 12:17:06	03APR2012 13:55:25	0	0	0	0	0
8	MIP_NL__OPNPDK20120403_135441_000059043113_00197_52797_9106.N1	03APR2012 13:54:41	03APR2012 15:33:05	0	0	0	0	0
9	MIP_NL__OPNPDK20120403_153206_000058933113_00198_52798_9107.N1	03APR2012 15:32:06	03APR2012 17:10:20	0	0	0	0	0
10	MIP_NL__OPNPDK20120403_170921_000059543113_00199_52799_9108.N1	03APR2012 17:09:21	03APR2012 18:48:35	0	0	0	0	0
11	MIP_NL__OPNPDK20120403_184707_000061173113_00200_52800_9109.N1	03APR2012 18:47:07	03APR2012 20:29:04	0	0	0	0	0
12	MIP_NL__OPNPDE20120403_202724_000042853113_00201_52801_1351.N1	03APR2012 20:27:24	03APR2012 21:38:48	0	0	0	0	0
13	MIP_NL__OPNPDE20120403_213750_000062173113_00201_52801_1352.N1	03APR2012 21:37:50	03APR2012 23:21:27	0	0	0	0	0
14	MIP_NL__OPNPDE20120403_232022_000060293113_00202_52802_1353.N1	03APR2012 23:20:22	04APR2012 01:00:51	0	0	0	0	0

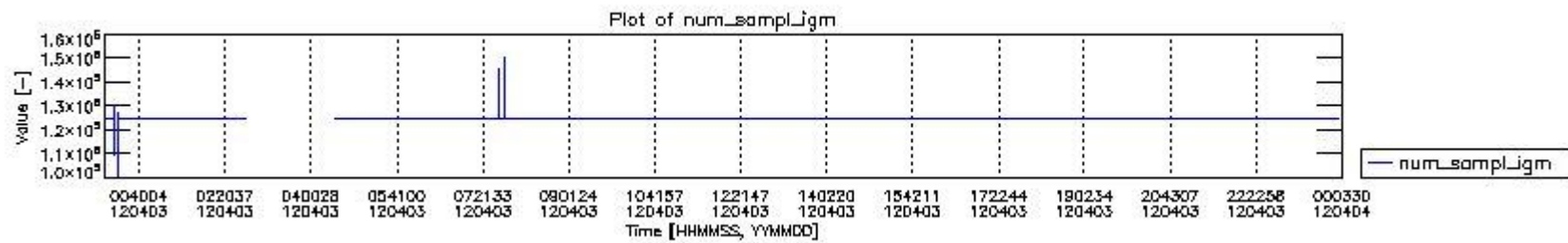
## 0.2 Instrument Operational Performance Parameters

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.

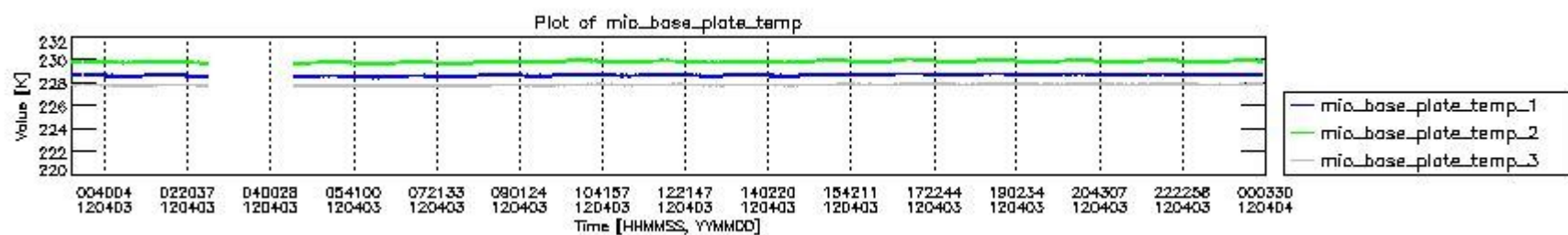
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100557	1	0.0025986175
109912	1	0.0025986175
115156	1	0.0025986175

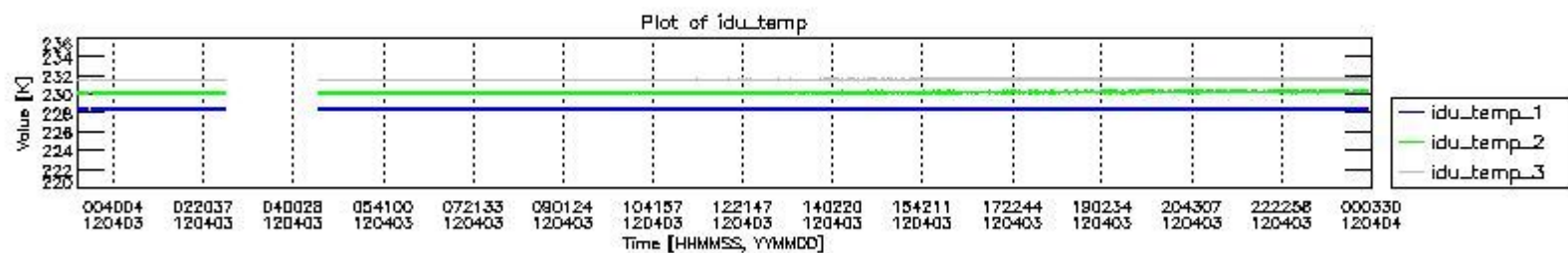
124800	35905	93.303363
124803	2565	6.6654540
125152	1	0.0025986175
125809	1	0.0025986175
126818	1	0.0025986175
127456	1	0.0025986175
130044	1	0.0025986175
145284	1	0.0025986175
145636	1	0.0025986175
147588	1	0.0025986175
150244	1	0.0025986175



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120403\_0.PNG

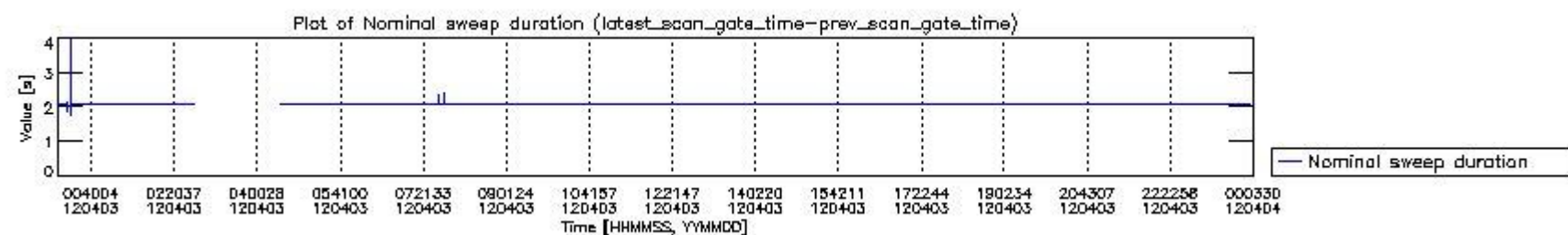


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120403\_1.PNG

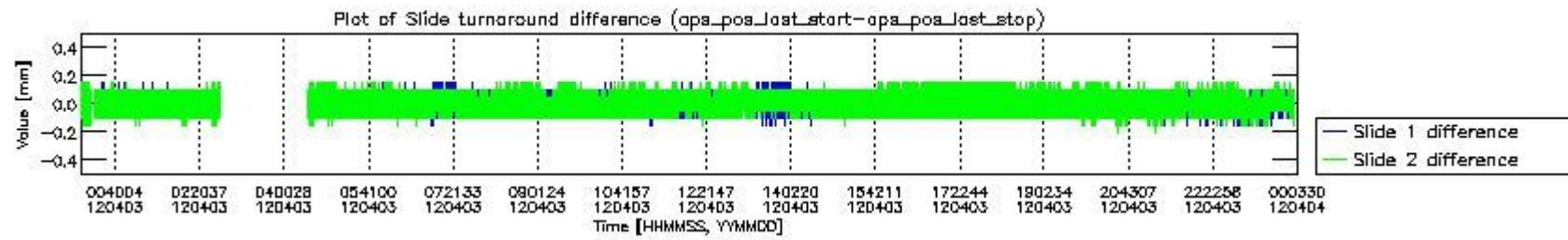


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120403\_2.PNG

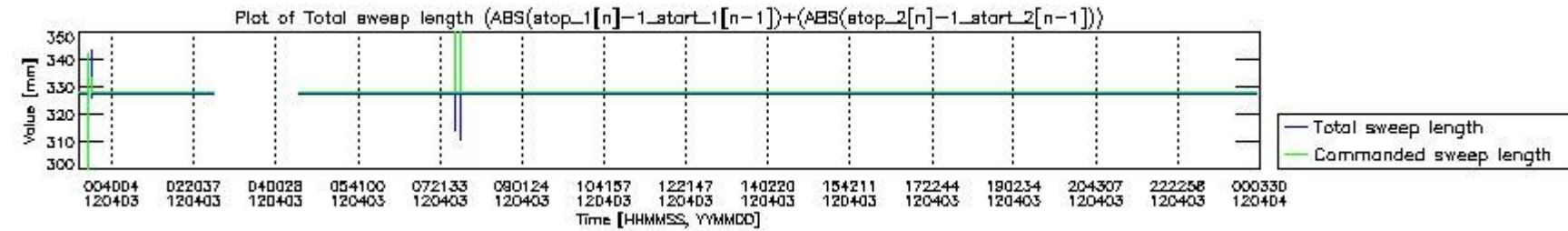
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120403\_3.PNG



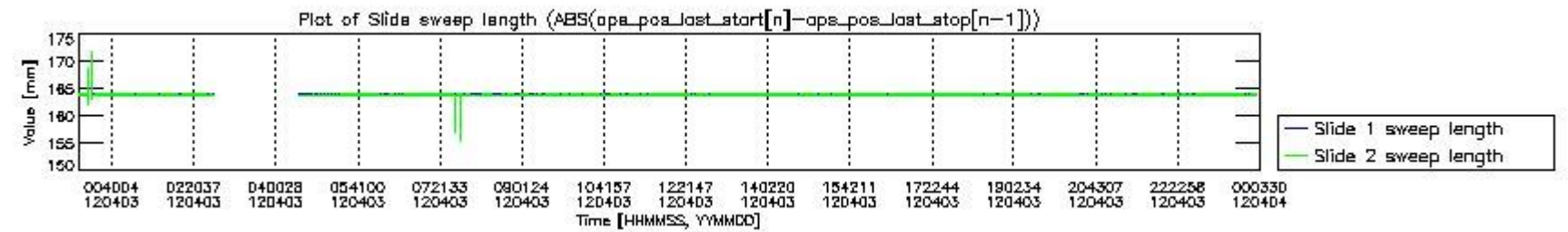
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120403\_4.PNG



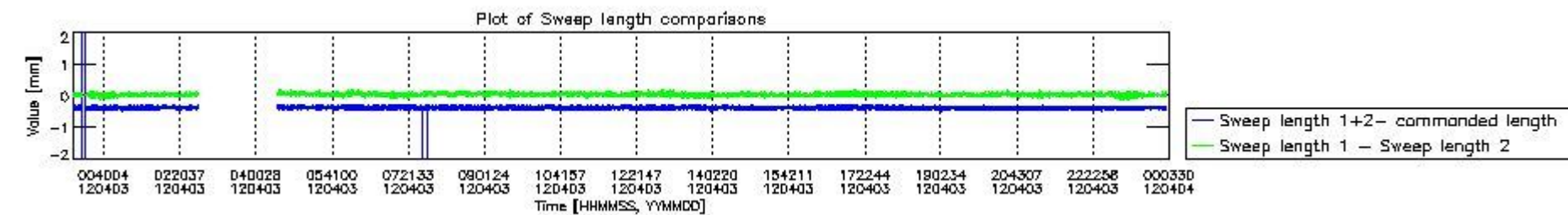
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120403\_5.PNG



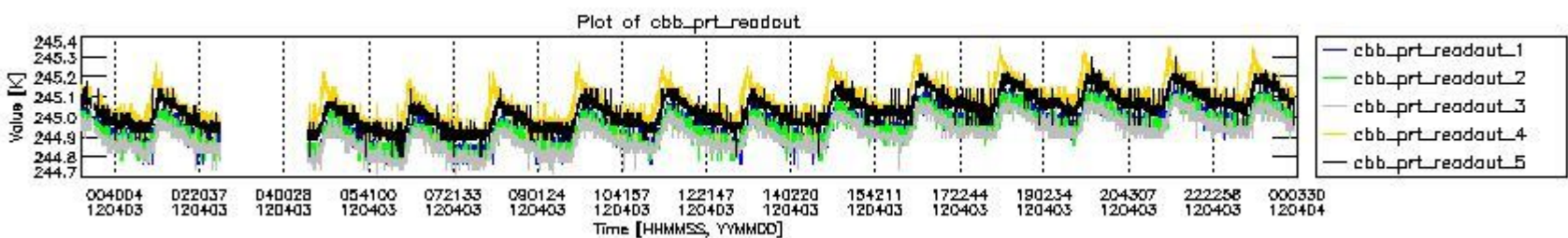
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120403\_6.PNG



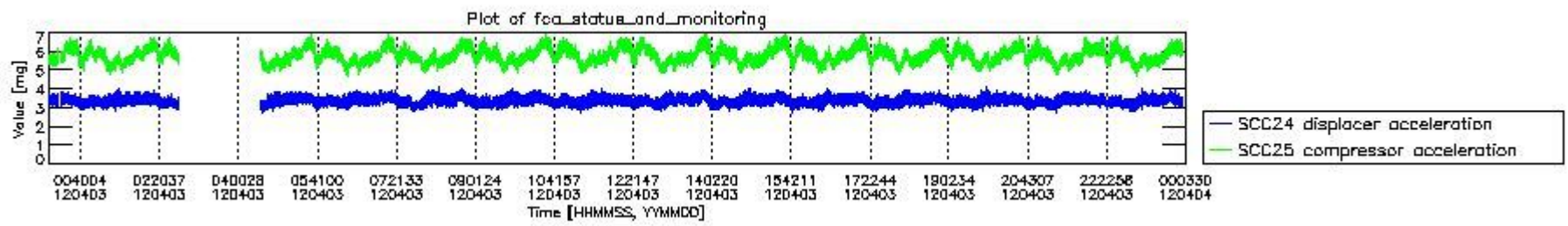
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120403\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120403\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120403\_9.PNG



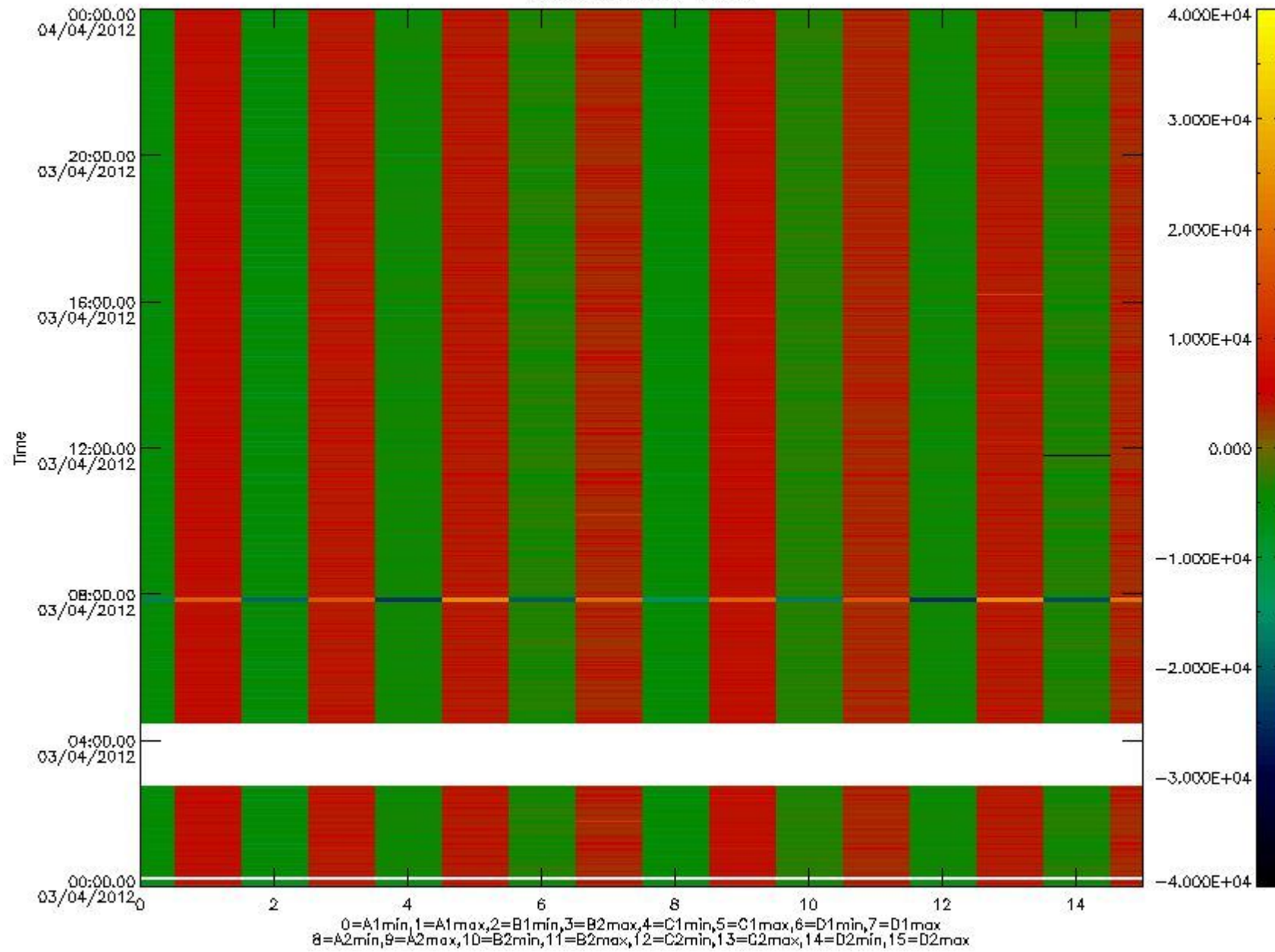
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120403\_10.PNG

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

Channel	Min	Max	ADC
A1	-17688	18643	16bit
B1	-20240	17465	16bit
C1	-24829	24704	16bit
D1	-20808	32767	16bit
A2	-15438	18940	16bit
B2	-18028	17765	16bit
C2	-25863	25422	16bit
D2	-32768	22664	16bit



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



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120403\_11.PNG

### 0.3 ADF monitoring

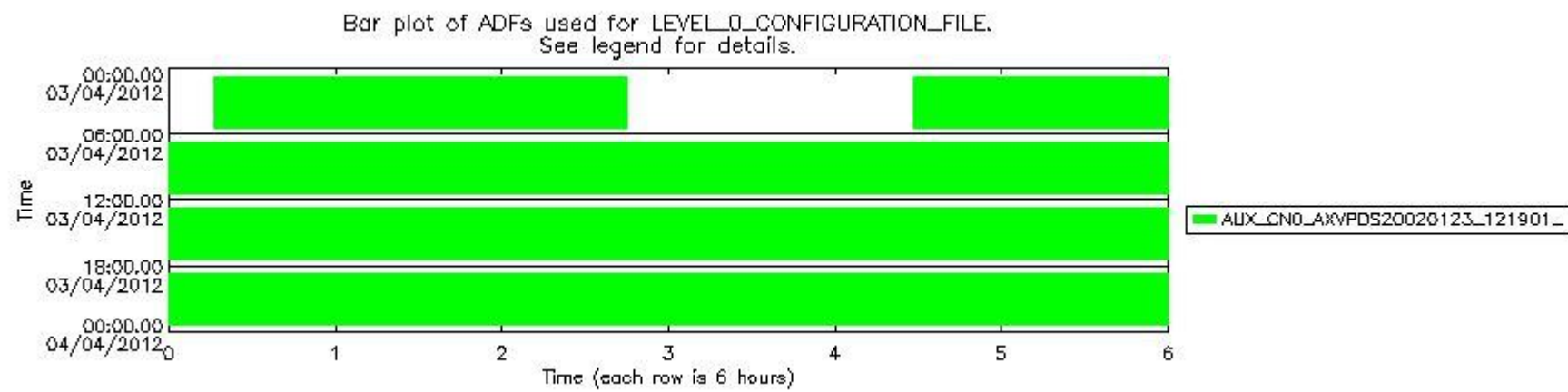
The use of ADFs is shown in two ways:

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.

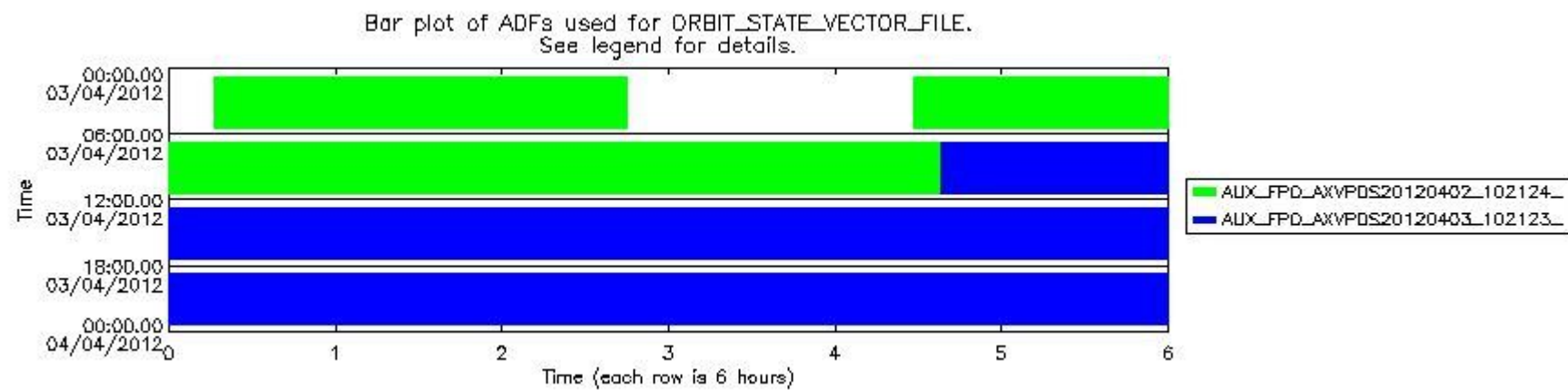
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20120402_102124_20120401_194420_20120411_201744
2	AUX_FPO_AXVPDS20120403_102123_20120402_190735_20120412_212115

Number	Product name	#CN0	#FPO
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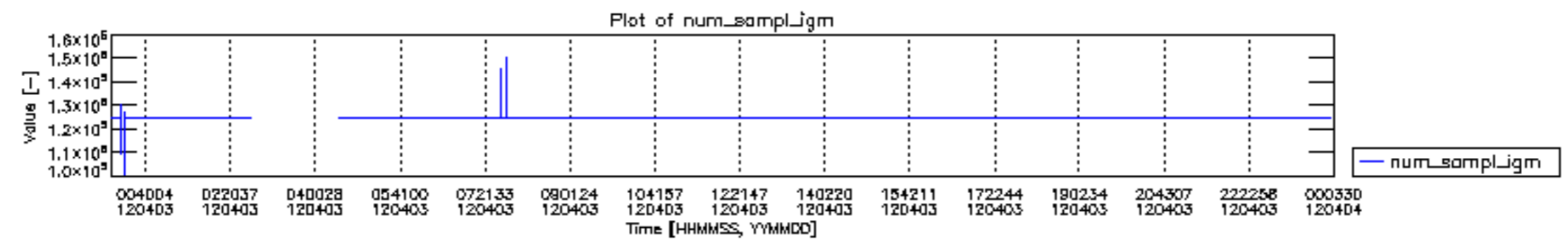
0	MIP_NL__0PNPDE20120403_001607_000048553113_00189_52789_1348.N1	0	1
1	MIP_NL__0PNPDE20120403_013601_000041453113_00189_52789_1346.N1	0	1
2	MIP_NL__0PNPDE20120403_042803_000061443113_00191_52791_1350.N1	0	1
3	MIP_NL__0PNPDK20120403_060954_000040763113_00192_52792_9101.N1	0	1
4	MIP_NL__0PNPDK20120403_071714_000061283113_00193_52793_9102.N1	0	1
5	MIP_NL__0PNPDK20120403_085838_000060163113_00194_52794_9103.N1	0	1
6	MIP_NL__0PNPDK20120403_103811_000059773113_00195_52795_9104.N1	0	2
7	MIP_NL__0PNPDK20120403_121706_000058993113_00196_52796_9105.N1	0	2
8	MIP_NL__0PNPDK20120403_135441_000059043113_00197_52797_9106.N1	0	2
9	MIP_NL__0PNPDK20120403_153206_000058933113_00198_52798_9107.N1	0	2
10	MIP_NL__0PNPDK20120403_170921_000059543113_00199_52799_9108.N1	0	2
11	MIP_NL__0PNPDK20120403_184707_000061173113_00200_52800_9109.N1	0	2
12	MIP_NL__0PNPDE20120403_202724_000042853113_00201_52801_1351.N1	0	2
13	MIP_NL__0PNPDE20120403_213750_000062173113_00201_52801_1352.N1	0	2
14	MIP_NL__0PNPDE20120403_232022_000060293113_00202_52802_1353.N1	0	2

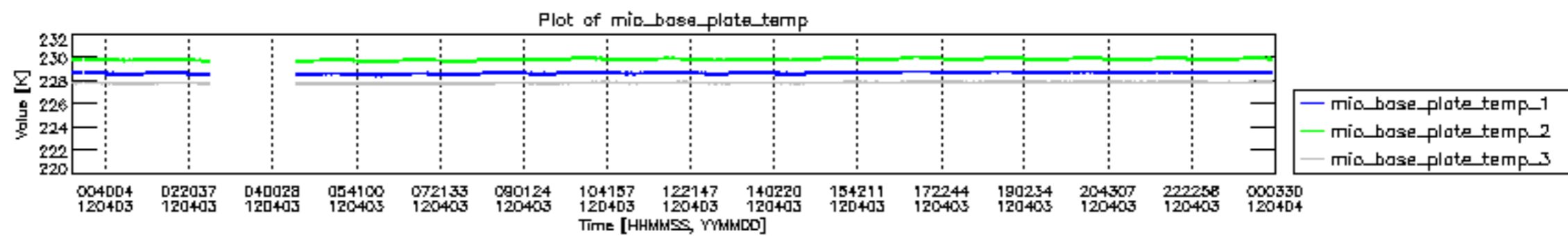


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120403\_12.PNG

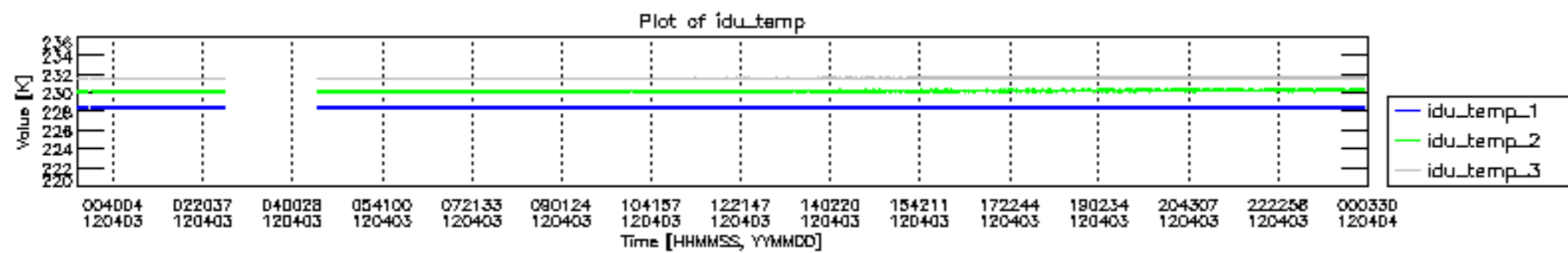


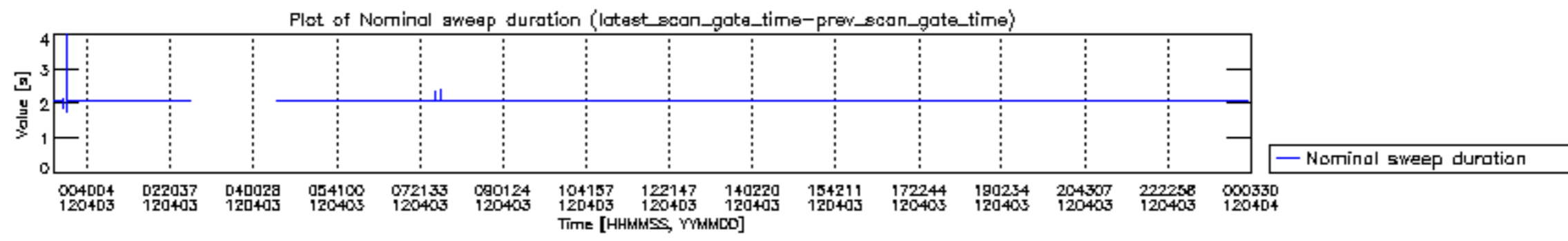
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20120403\_13.PNG



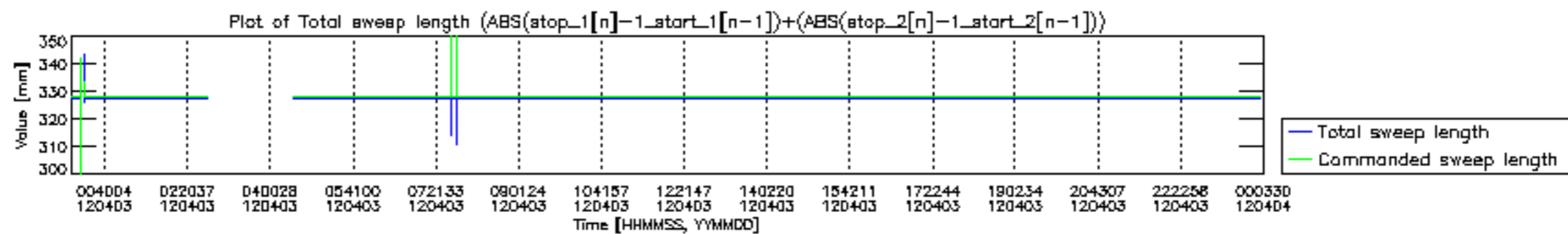


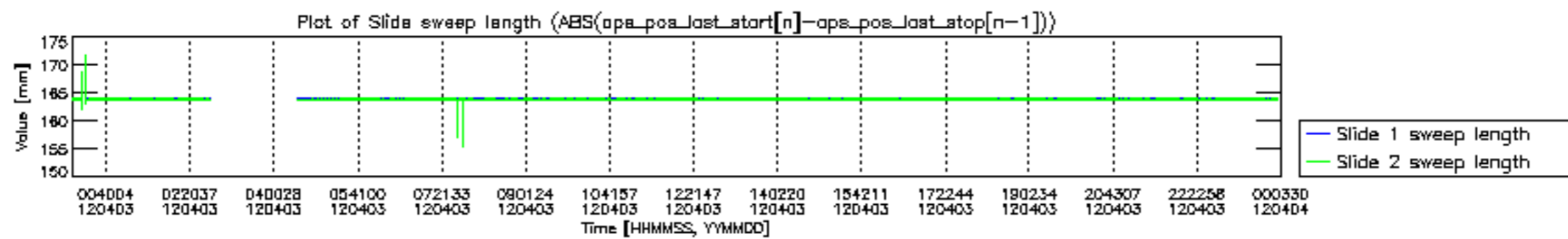




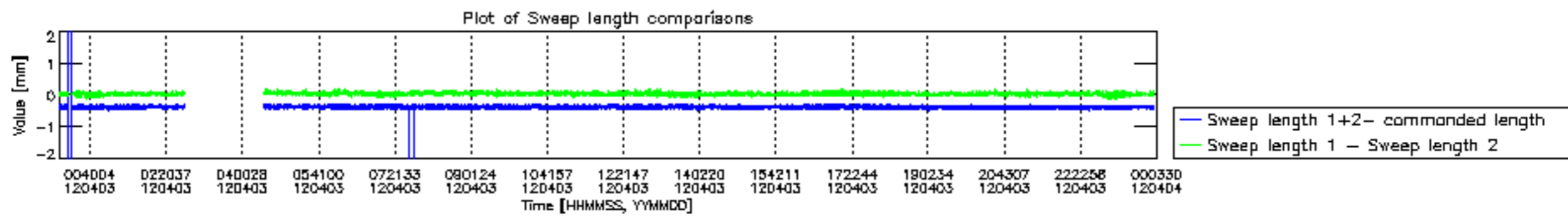


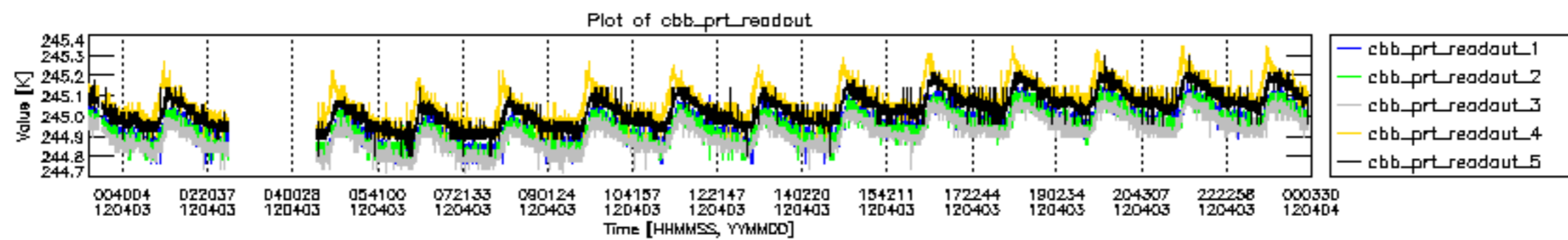


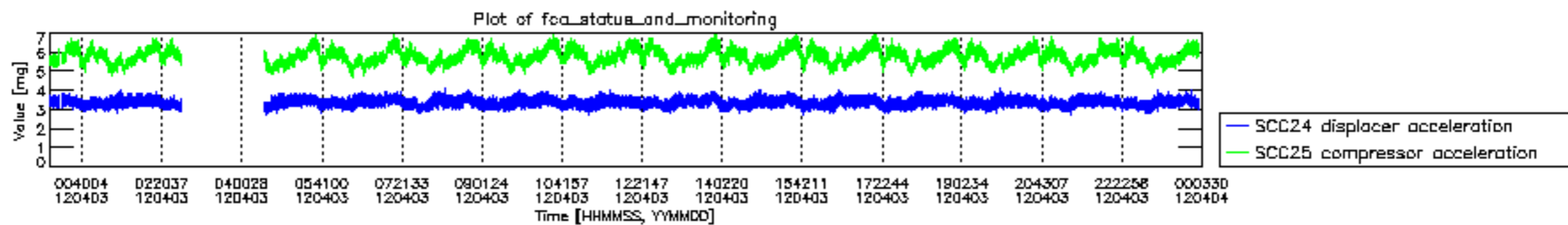












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

