

## 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	03DEC2011 05:23:18
Data source version	KSPT_L0/4504-N
Processing scope for products	28NOV2011 00:00:00 to 29NOV2011 00:00:00
Start time of first product within scope	28NOV2011 00:52:00
Stop time of last product within scope	29NOV2011 00:17:37
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__0PNPDE20111128_005200_000058533109_00088_50964_4933.N1	28NOV2011 00:52:00	28NOV2011 02:29:34	0	0	0	0	0
1	MIP_NL__0PNPDE20111128_022837_000045963109_00089_50965_4934.N1	28NOV2011 02:28:37	28NOV2011 03:45:13	0	0	0	0	0
2	MIP_NL__0PNPDE20111128_034442_000061233109_00090_50966_4935.N1	28NOV2011 03:44:42	28NOV2011 05:26:45	0	0	0	0	0
3	MIP_NL__0PNPDE20111128_052611_000060353109_00091_50967_4936.N1	28NOV2011 05:26:11	28NOV2011 07:06:47	0	0	0	0	0
4	MIP_NL__0PNPDK20111128_070613_000040243109_00092_50968_7648.N1	28NOV2011 07:06:13	28NOV2011 08:13:17	0	0	0	0	0
5	MIP_NL__0PNPDK20111128_081216_000062173109_00093_50969_7649.N1	28NOV2011 08:12:16	28NOV2011 09:55:53	0	0	0	0	0
6	MIP_NL__0PNPDK20111128_095415_000059963109_00094_50970_7650.N1	28NOV2011 09:54:15	28NOV2011 11:34:11	0	0	0	0	0
7	MIP_NL__0PNPDK20111128_113228_000059643109_00095_50971_7651.N1	28NOV2011 11:32:28	28NOV2011 13:11:53	0	0	0	0	0
8	MIP_NL__0PNPDK20111128_131015_000060793109_00096_50972_7652.N1	28NOV2011 13:10:15	28NOV2011 14:51:34	0	0	0	0	0
9	MIP_NL__0PNPDK20111128_145006_000058313109_00097_50973_7653.N1	28NOV2011 14:50:06	28NOV2011 16:27:17	0	0	0	0	0
10	MIP_NL__0PNPDK20111128_162616_000059273109_00098_50974_7654.N1	28NOV2011 16:26:16	28NOV2011 18:05:03	0	0	0	0	0
11	MIP_NL__0PNPDK20111128_180356_000058393109_00099_50975_7655.N1	28NOV2011 18:03:56	28NOV2011 19:41:15	0	0	0	0	0
12	MIP_NL__0PNPDE20111128_193941_000044143109_00100_50976_4937.N1	28NOV2011 19:39:41	28NOV2011 20:53:15	0	0	0	0	0
13	MIP_NL__0PNPDE20111128_205218_000062943109_00100_50976_4938.N1	28NOV2011 20:52:18	28NOV2011 22:37:13	0	0	0	0	0
14	MIP_NL__0PNPDE20111128_223608_000060903109_00101_50977_4939.N1	28NOV2011 22:36:08	29NOV2011 00:17:37	0	0	0	0	0

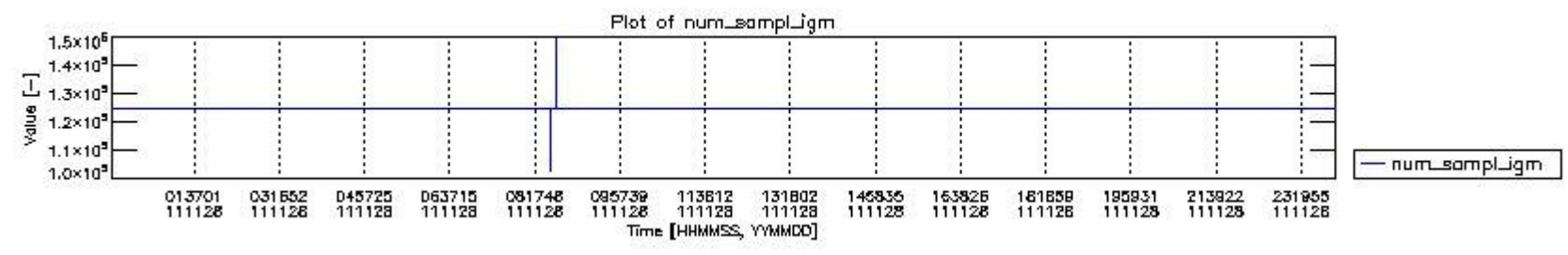
## 0.2 Instrument Operational Performance Parameters

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.

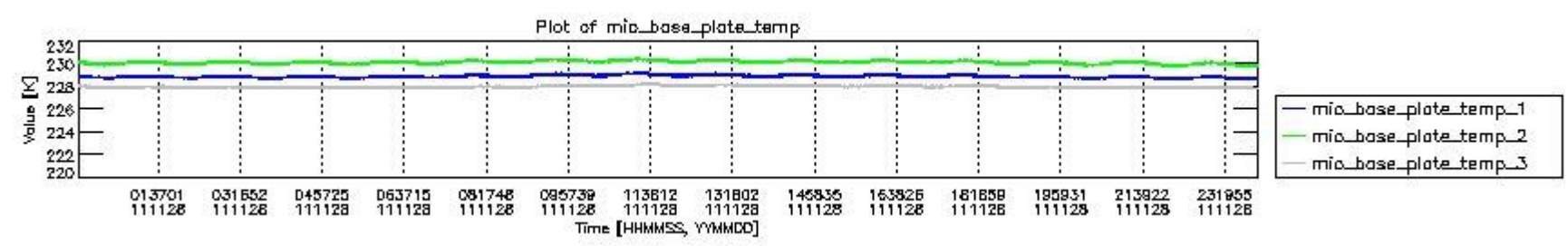
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
102370	1	0.0023988869
103519	1	0.0023988869
123651	1	0.0023988869

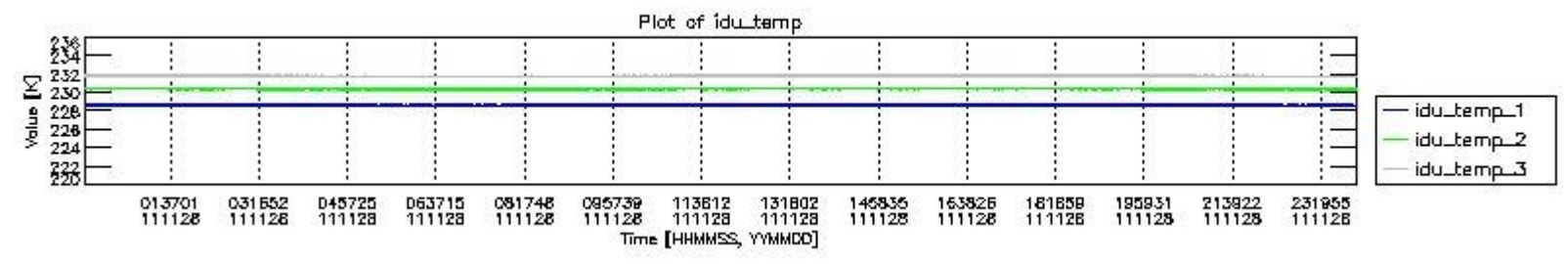
124800	38722	92.889699
124803	2958	7.0959075
127159	1	0.0023988869
147291	1	0.0023988869
149650	1	0.0023988869



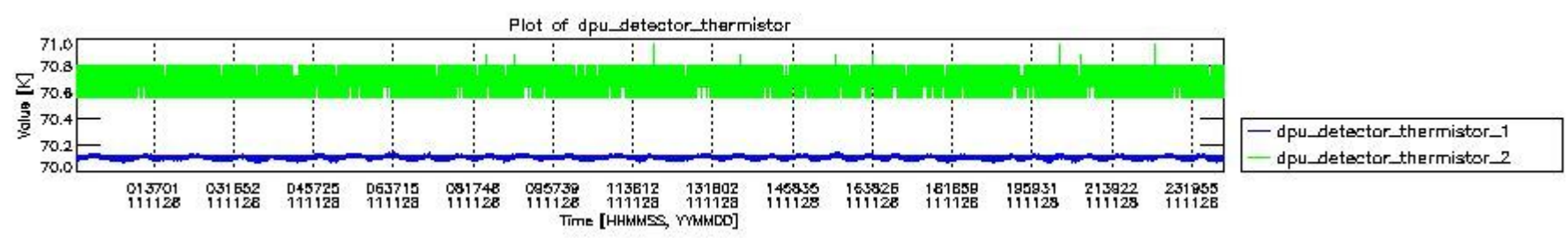
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111128\_0.PNG



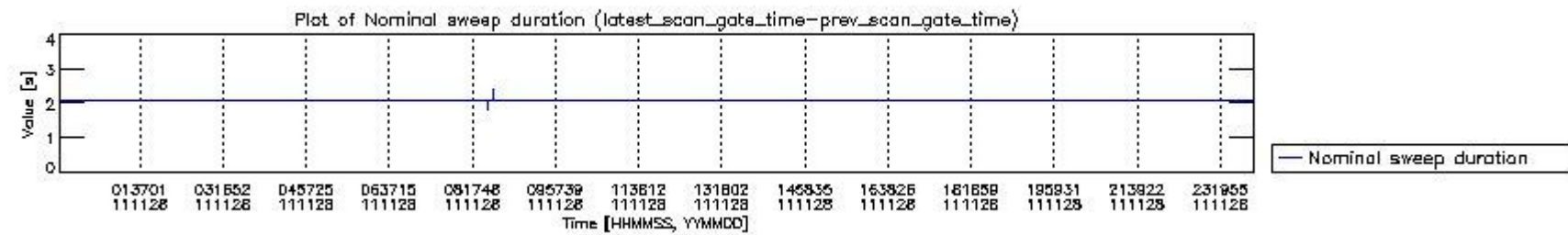
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111128\_1.PNG



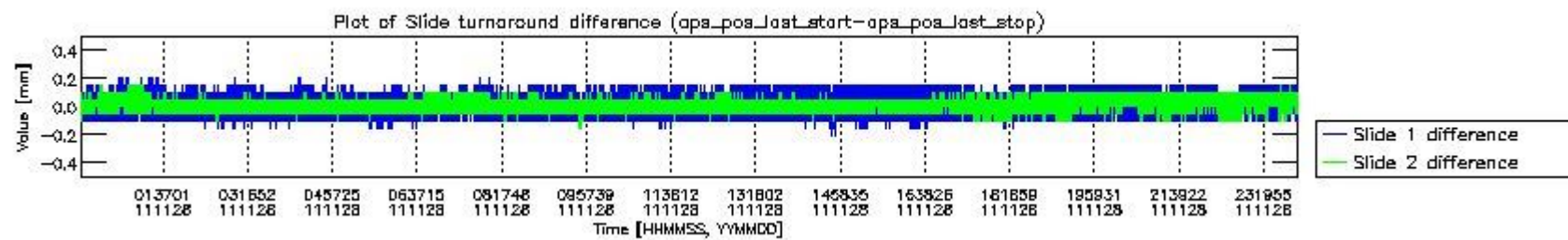
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111128\_2.PNG



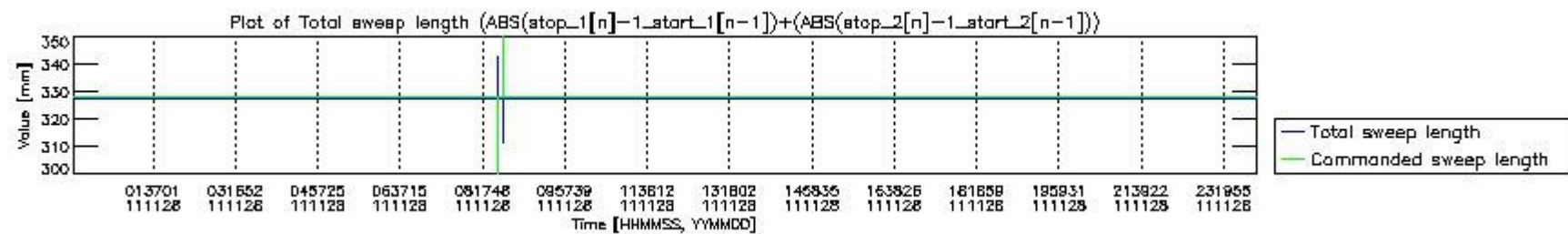
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111128\_3.PNG



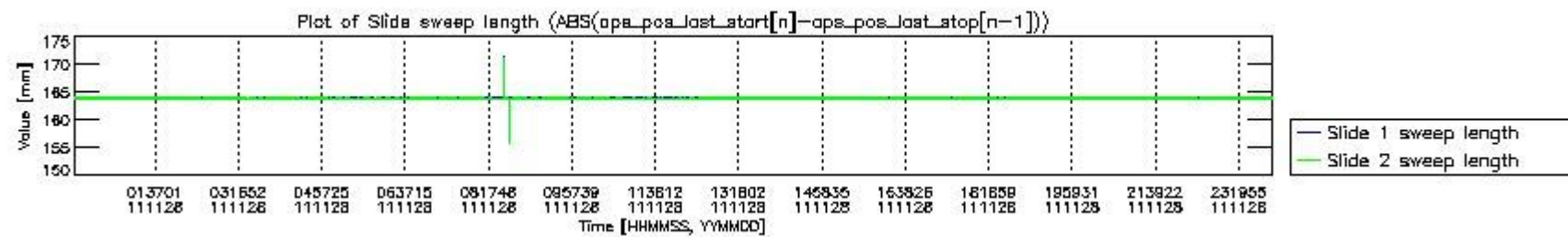
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111128\_4.PNG



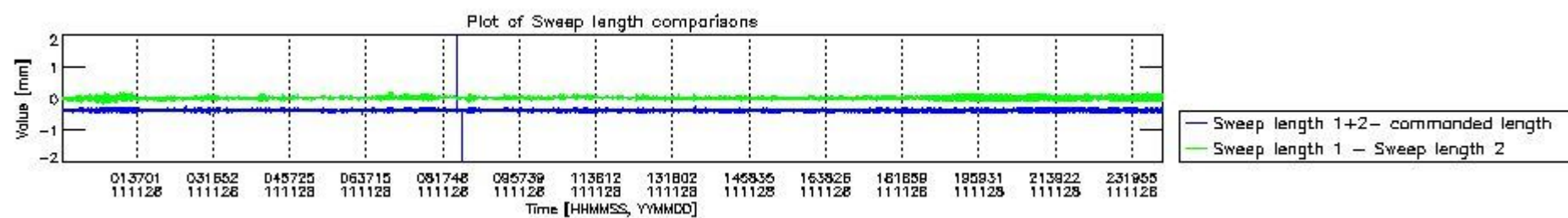
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111128\_5.PNG



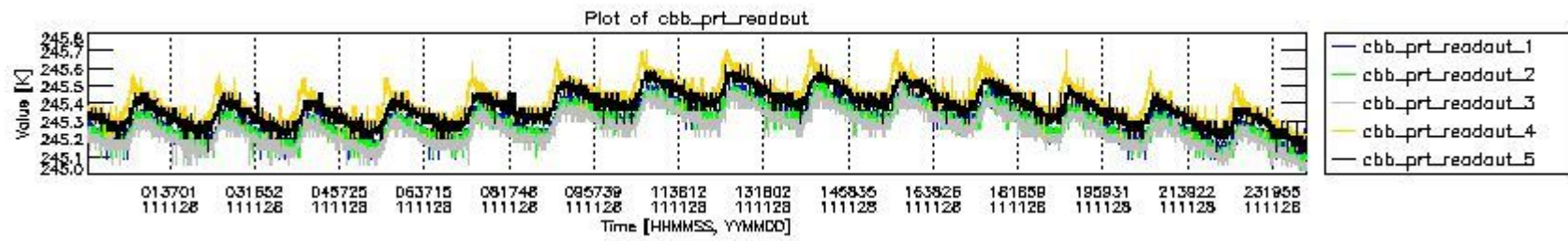
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111128\_6.PNG



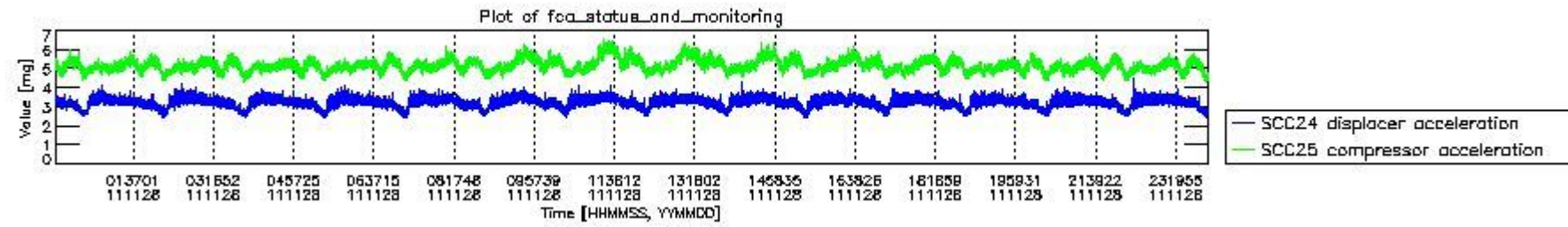
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111128\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111128\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111128\_9.PNG

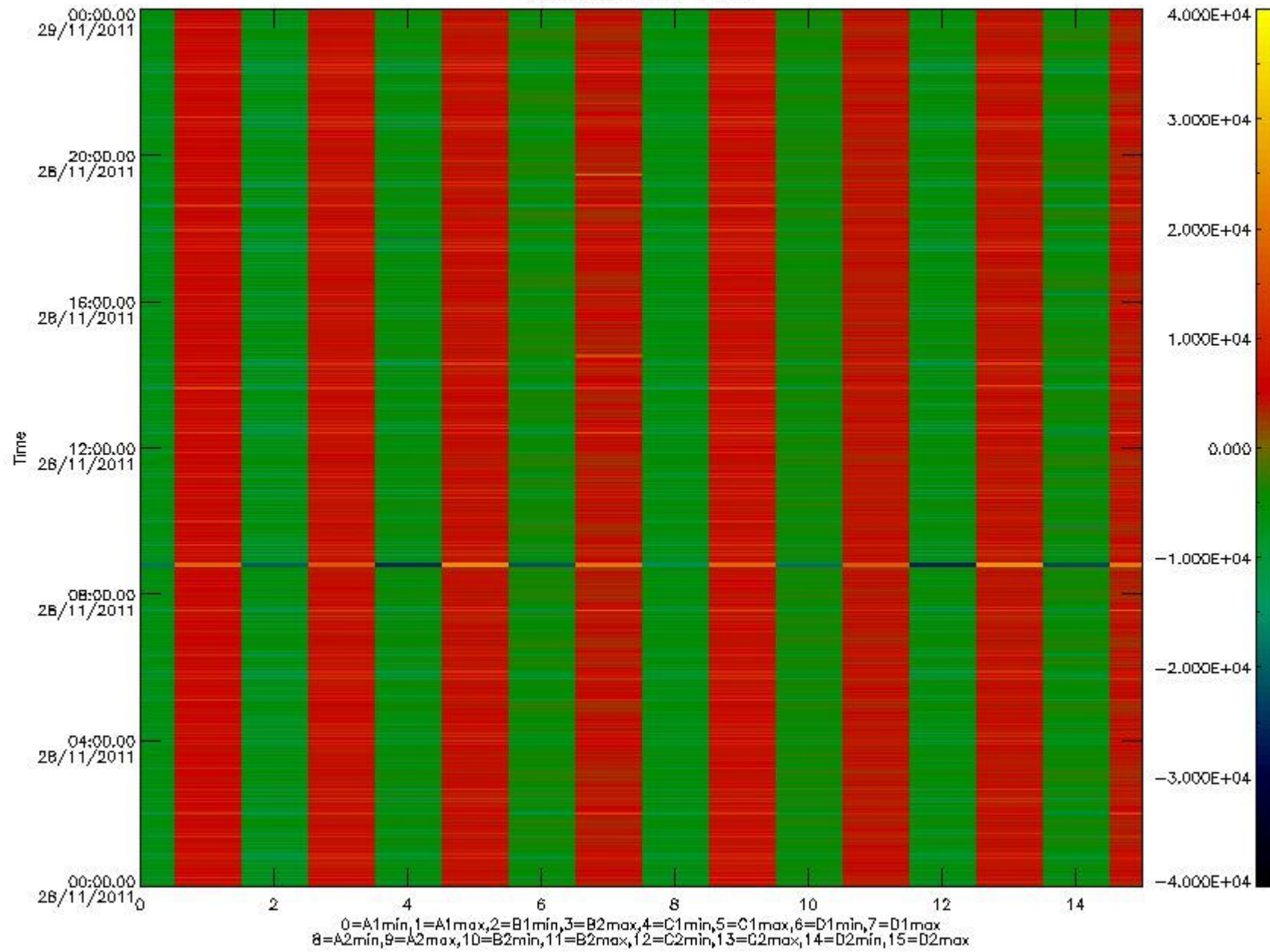


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111128\_10.PNG

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

Channel	Min	Max	ADC
A1	-18377	19468	16bit
B1	-20865	17885	16bit
C1	-25509	25406	16bit
D1	-32768	32767	16bit
A2	-15933	19690	16bit
B2	-18754	18377	16bit
C2	-26524	26173	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\_20111128\_11.PNG

### 0.3 ADF monitoring

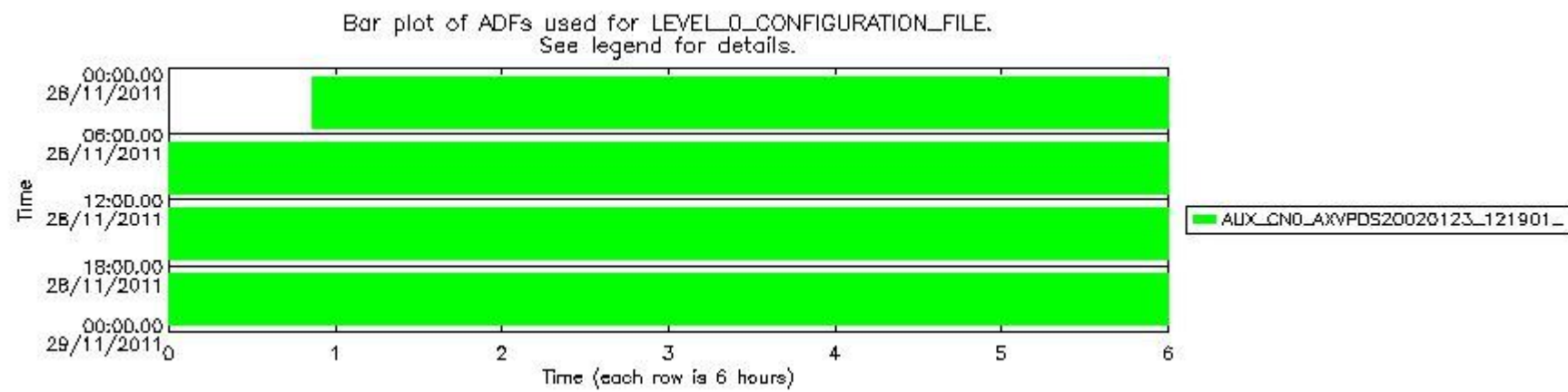
The use of ADFs is shown in two ways:

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.

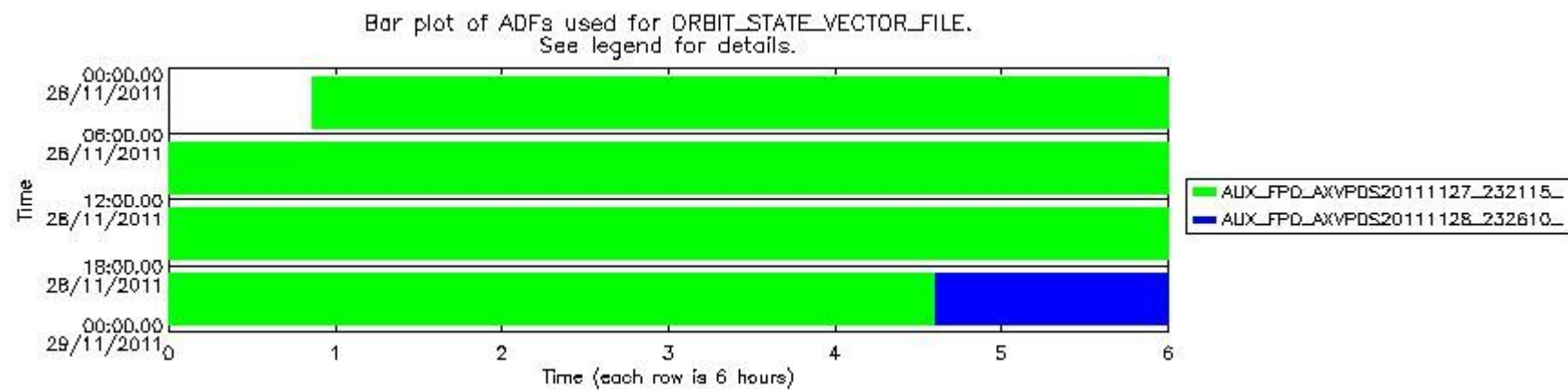
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111127_232115_20111127_182345_20111207_203727
2	AUX_FPO_AXVPDS20111128_232610_20111128_192715_20111208_200042

Number	Product name	#CN0	#FPO
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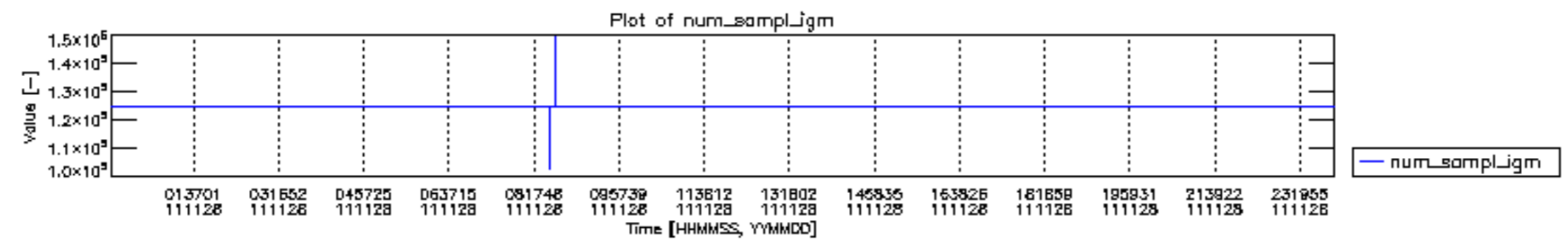
0	MIP_NL__0PNPDE20111128_005200_000058533109_00088_50964_4933.N1	0	1
1	MIP_NL__0PNPDE20111128_022837_000045963109_00089_50965_4934.N1	0	1
2	MIP_NL__0PNPDE20111128_034442_000061233109_00090_50966_4935.N1	0	1
3	MIP_NL__0PNPDE20111128_052611_000060353109_00091_50967_4936.N1	0	1
4	MIP_NL__0PNPDK20111128_070613_000040243109_00092_50968_7648.N1	0	1
5	MIP_NL__0PNPDK20111128_081216_000062173109_00093_50969_7649.N1	0	1
6	MIP_NL__0PNPDK20111128_095415_000059963109_00094_50970_7650.N1	0	1
7	MIP_NL__0PNPDK20111128_113228_000059643109_00095_50971_7651.N1	0	1
8	MIP_NL__0PNPDK20111128_131015_000060793109_00096_50972_7652.N1	0	1
9	MIP_NL__0PNPDK20111128_145006_000058313109_00097_50973_7653.N1	0	1
10	MIP_NL__0PNPDK20111128_162616_000059273109_00098_50974_7654.N1	0	1
11	MIP_NL__0PNPDK20111128_180356_000058393109_00099_50975_7655.N1	0	1
12	MIP_NL__0PNPDE20111128_193941_000044143109_00100_50976_4937.N1	0	1
13	MIP_NL__0PNPDE20111128_205218_000062943109_00100_50976_4938.N1	0	1
14	MIP_NL__0PNPDE20111128_223608_000060903109_00101_50977_4939.N1	0	2

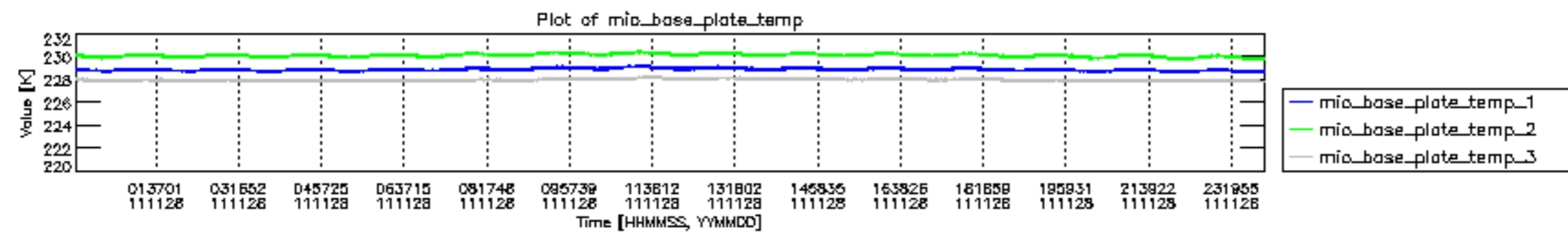


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111128\_12.PNG

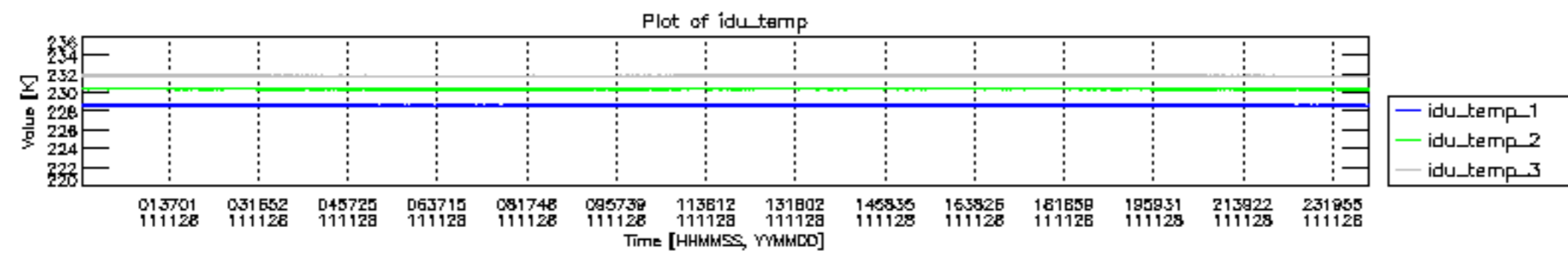


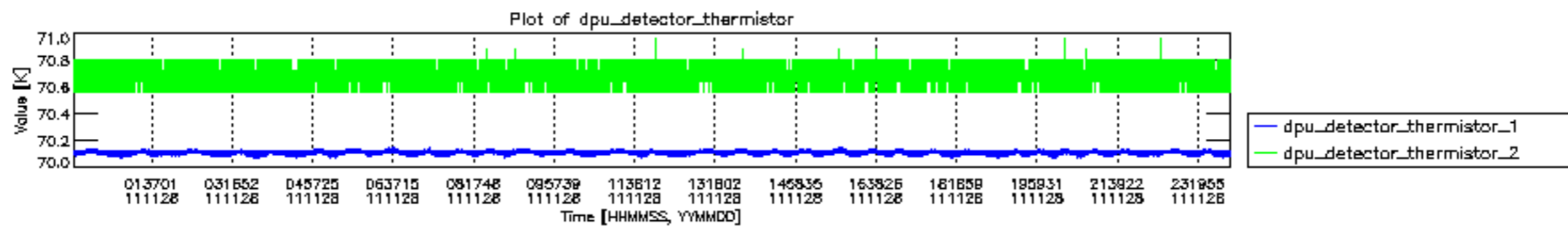
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111128\_13.PNG

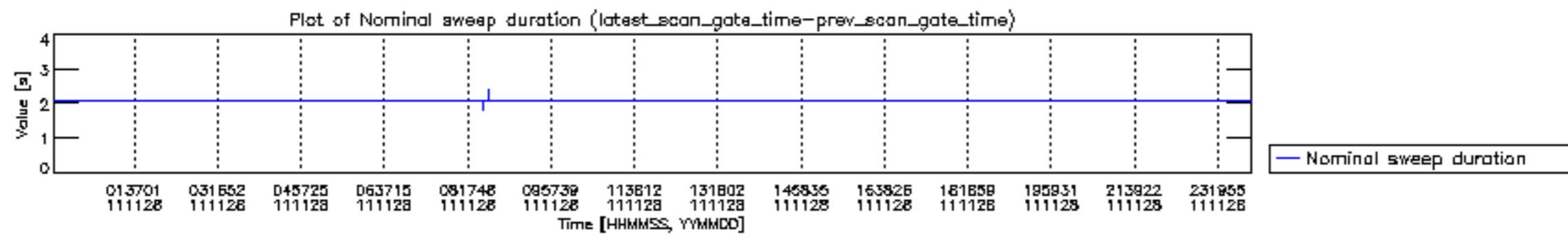


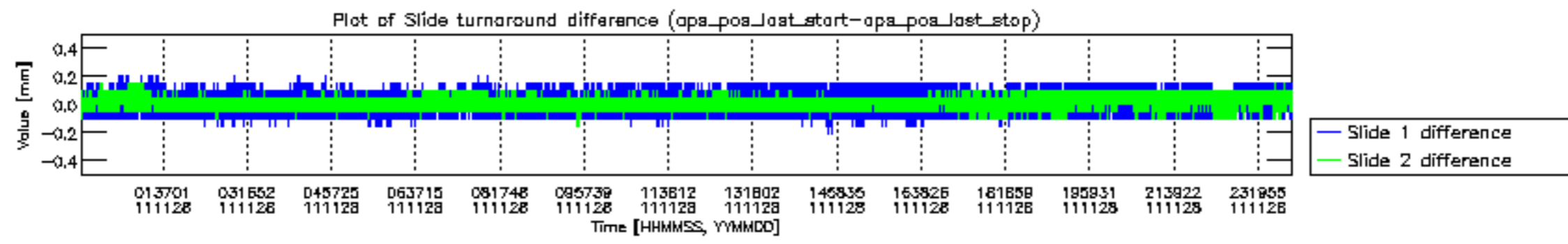


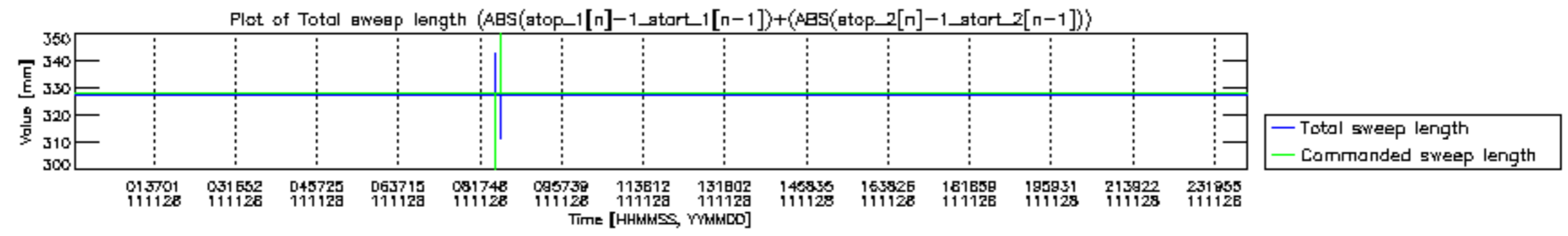


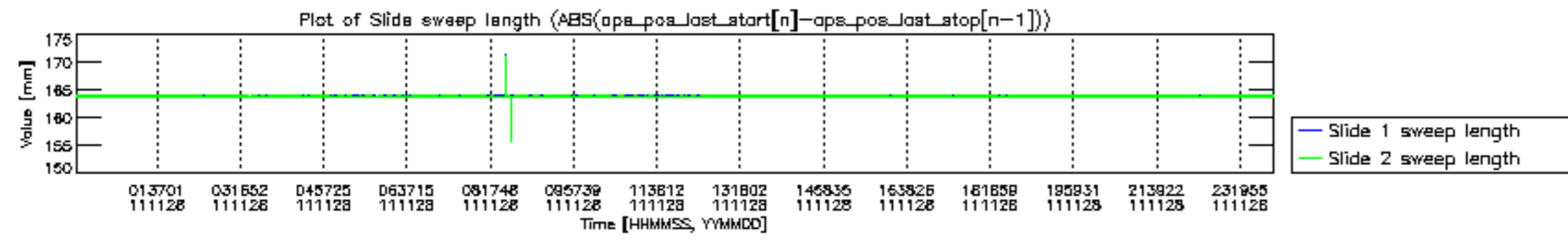


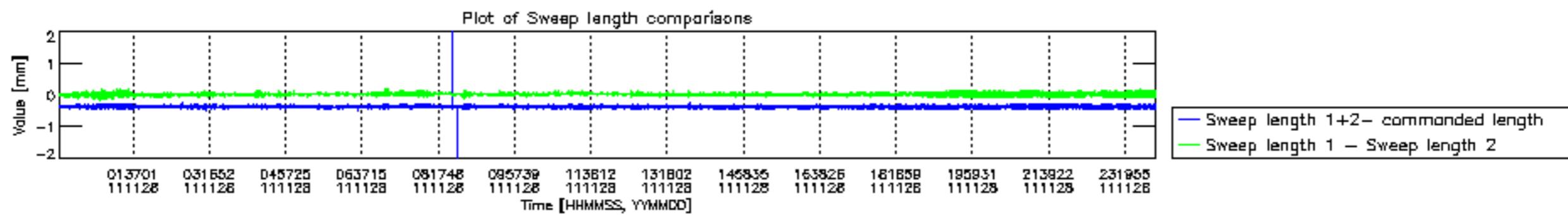


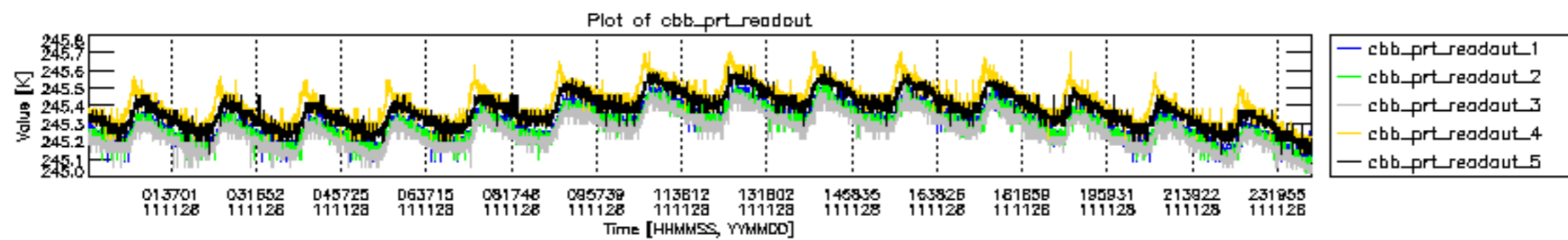




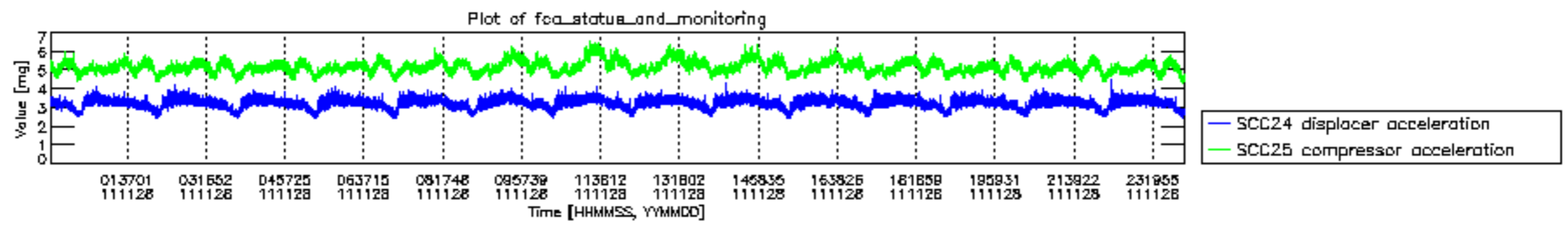












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

