

## 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	13OCT2011 05:22:35
Data source version	KSPT_L0/4504-N
Processing scope for products	08OCT2011 00:00:00 to 09OCT2011 00:00:00
Start time of first product within scope	08OCT2011 00:23:02
Stop time of last product within scope	09OCT2011 01:26:26
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__0PNPDE20111008_002302_000058303107_00217_50231_9794.N1	08OCT2011 00:23:02	08OCT2011 02:00:12	0	0	0	0	0
1	MIP_NL__0PNPDE20111008_015907_000045543107_00218_50232_9795.N1	08OCT2011 01:59:07	08OCT2011 03:15:02	0	0	0	0	0
2	MIP_NL__0PNPDE20111008_031428_000061273107_00219_50233_9796.N1	08OCT2011 03:14:28	08OCT2011 04:56:35	0	0	0	0	0
3	MIP_NL__0PNPDE20111008_045602_000060063107_00220_50234_9797.N1	08OCT2011 04:56:02	08OCT2011 06:36:08	0	0	0	0	0
4	MIP_NL__0PNPDK20111008_063534_000040823107_00221_50235_7241.N1	08OCT2011 06:35:34	08OCT2011 07:43:36	0	0	0	0	0
5	MIP_NL__0PNPDK20111008_074238_000061773107_00222_50236_7242.N1	08OCT2011 07:42:38	08OCT2011 09:25:35	0	0	0	0	0
6	MIP_NL__0PNPDK20111008_092451_000059063107_00223_50237_7243.N1	08OCT2011 09:24:51	08OCT2011 11:03:17	0	0	0	0	0
7	MIP_NL__0PNPDK20111008_110141_000059433107_00224_50238_7244.N1	08OCT2011 11:01:41	08OCT2011 12:40:44	0	0	0	0	0
8	MIP_NL__0PNPDK20111008_123908_000060583107_00225_50239_7245.N1	08OCT2011 12:39:08	08OCT2011 14:20:06	0	0	0	0	0
9	MIP_NL__0PNPDK20111008_141907_000060063107_00226_50240_7246.N1	08OCT2011 14:19:07	08OCT2011 15:59:13	0	0	0	0	0
10	MIP_NL__0PNPDK20111008_155817_000058433107_00227_50241_7247.N1	08OCT2011 15:58:17	08OCT2011 17:35:40	0	0	0	0	0
11	MIP_NL__0PNPDK20111008_173454_000059893107_00228_50242_7248.N1	08OCT2011 17:34:54	08OCT2011 19:14:43	0	0	0	0	0
12	MIP_NL__0PNPDK20111008_191408_000059833107_00229_50243_7249.N1	08OCT2011 19:14:08	08OCT2011 20:53:51	0	0	0	0	0
13	MIP_NL__0PNPDE20111008_205206_000043743107_00230_50244_9798.N1	08OCT2011 20:52:06	08OCT2011 22:05:01	0	0	0	0	0
14	MIP_NL__0PNPDE20111008_220358_000061153107_00230_50244_9799.N1	08OCT2011 22:03:58	08OCT2011 23:45:53	0	0	0	0	0
15	MIP_NL__0PNPDE20111008_234450_000060963107_00231_50245_9800.N1	08OCT2011 23:44:50	09OCT2011 01:26:26	0	0	0	0	0

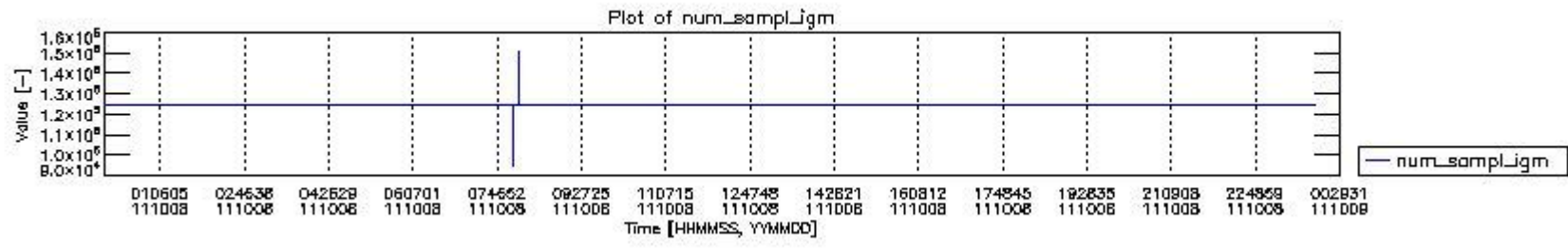
## 0.2 Instrument Operational Performance Parameters

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.

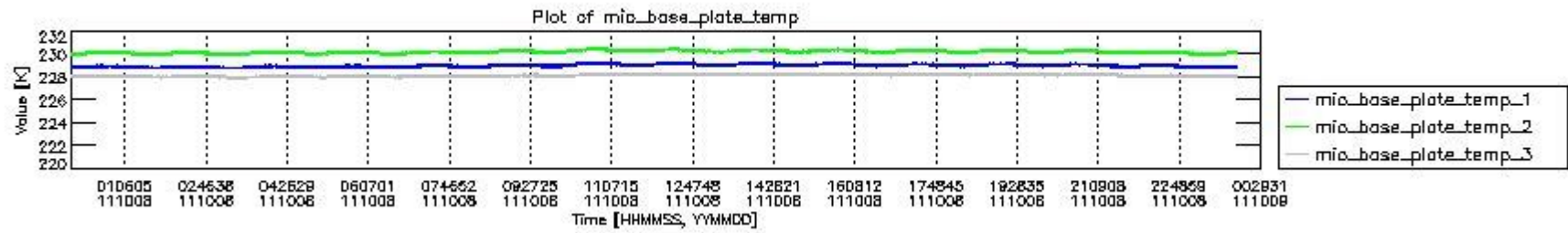
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
95084	1	0.0024027487
99876	1	0.0024027487

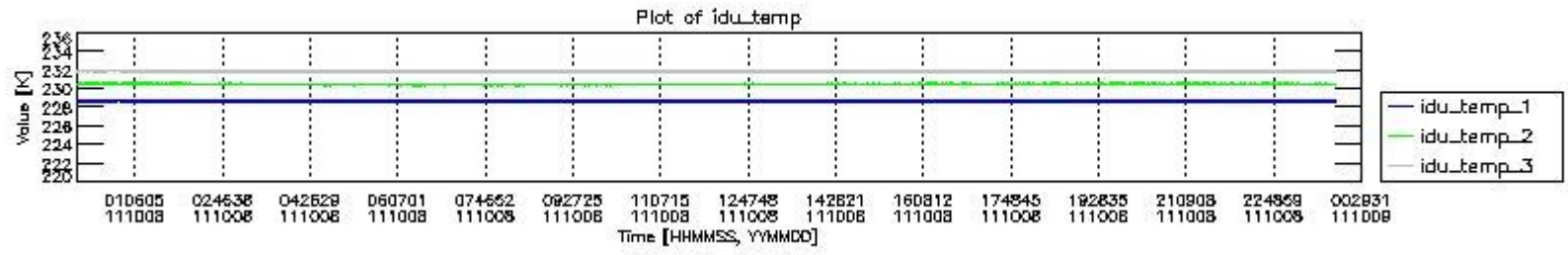
120008	1	0.0024027487
124800	38655	92.878253
124803	2958	7.1073308
127531	1	0.0024027487
147663	1	0.0024027487
150394	1	0.0024027487



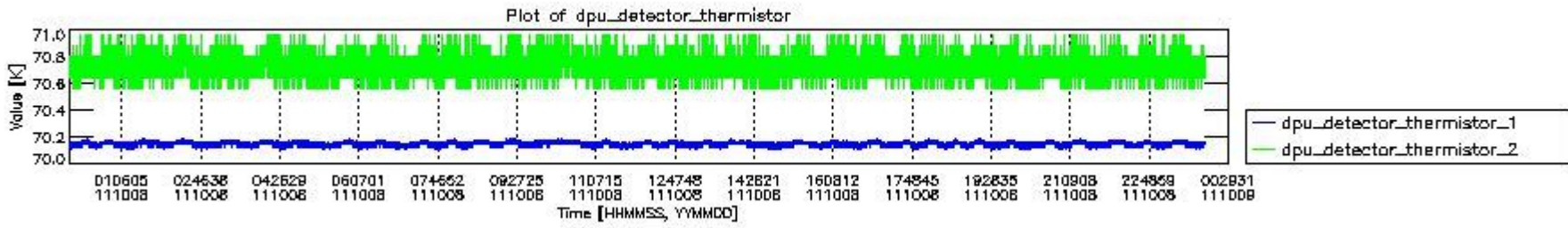
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111008\_0.PNG



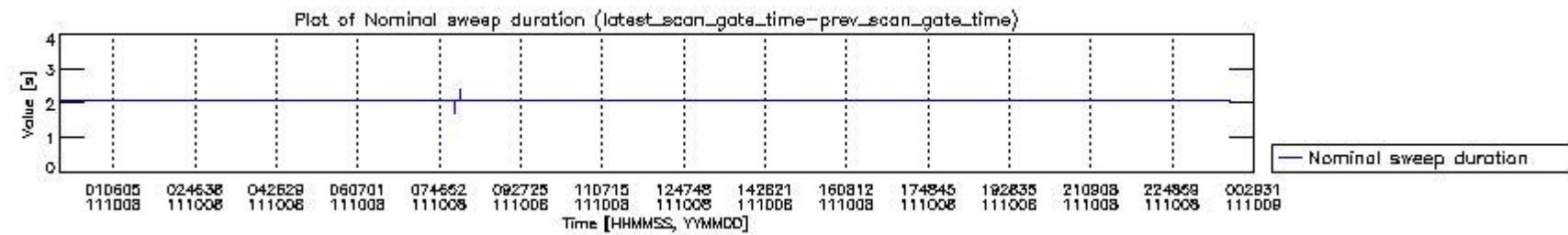
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111008\_1.PNG



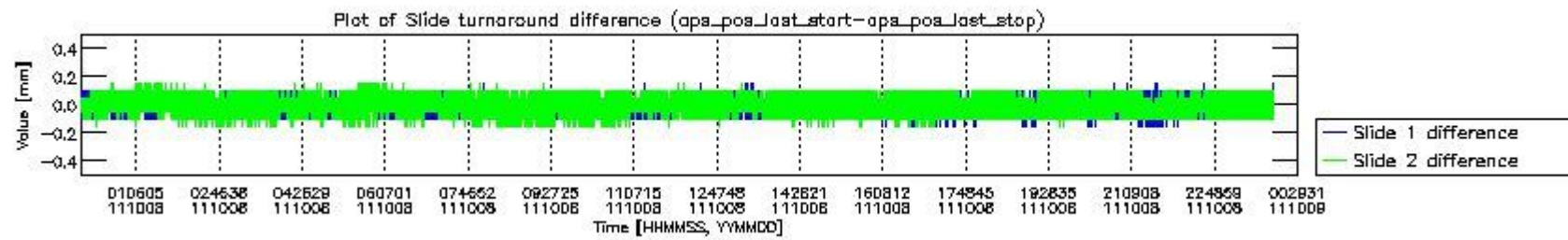
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111008\_2.PNG



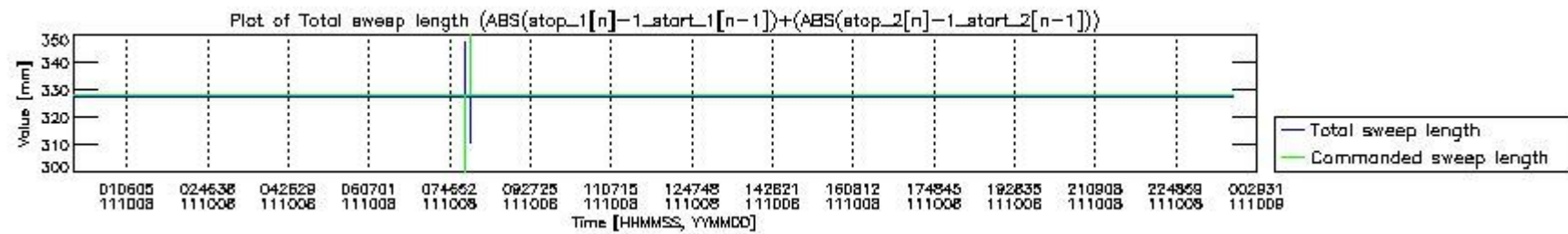
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111008\_3.PNG



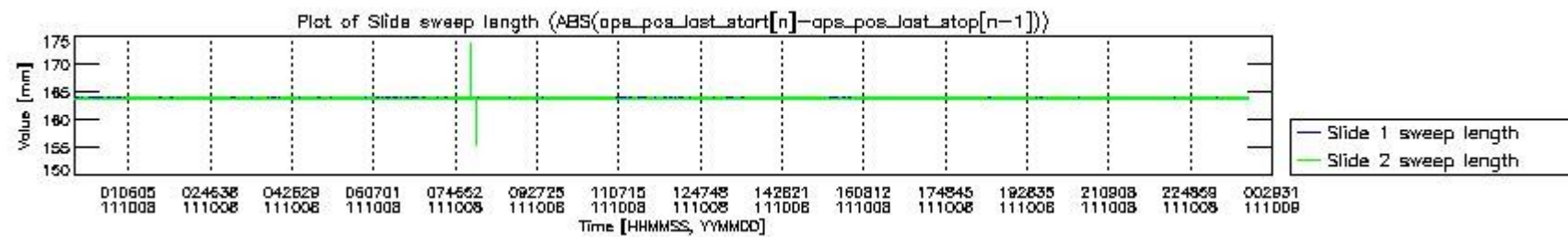
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111008\_4.PNG



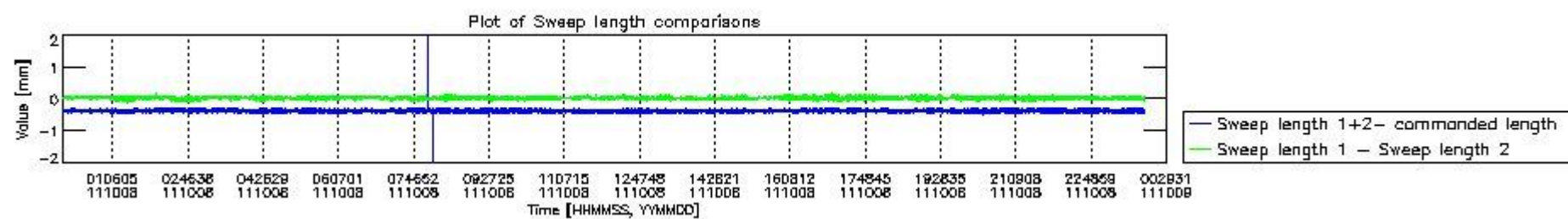
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111008\_5.PNG



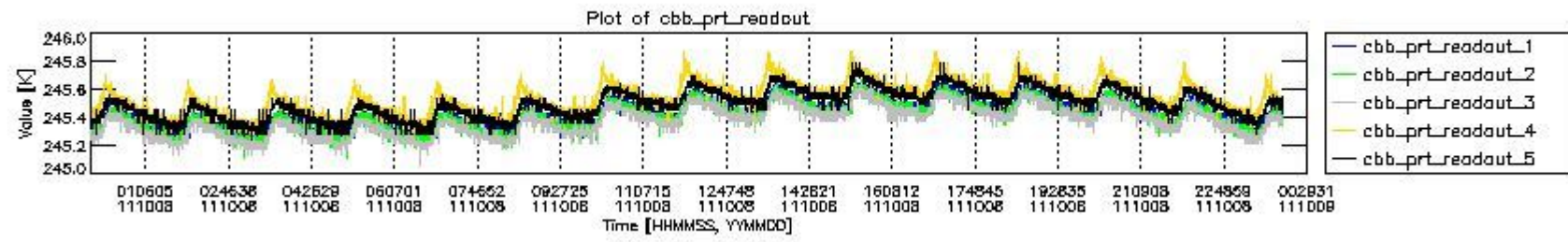
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111008\_6.PNG



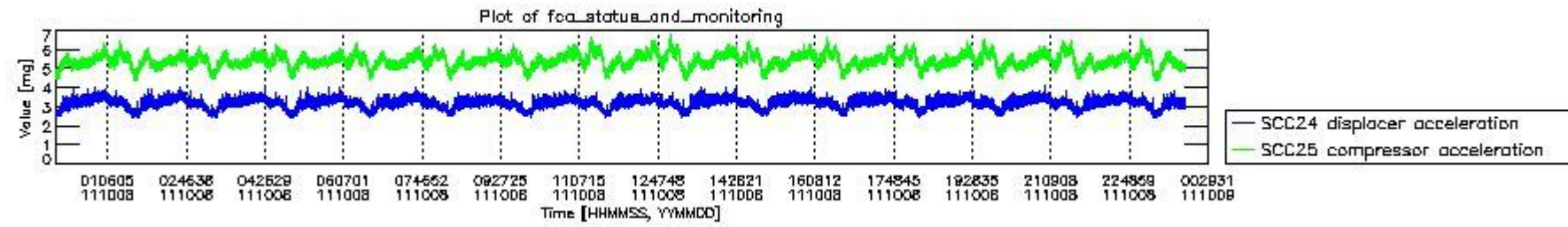
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111008\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111008\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111008\_9.PNG

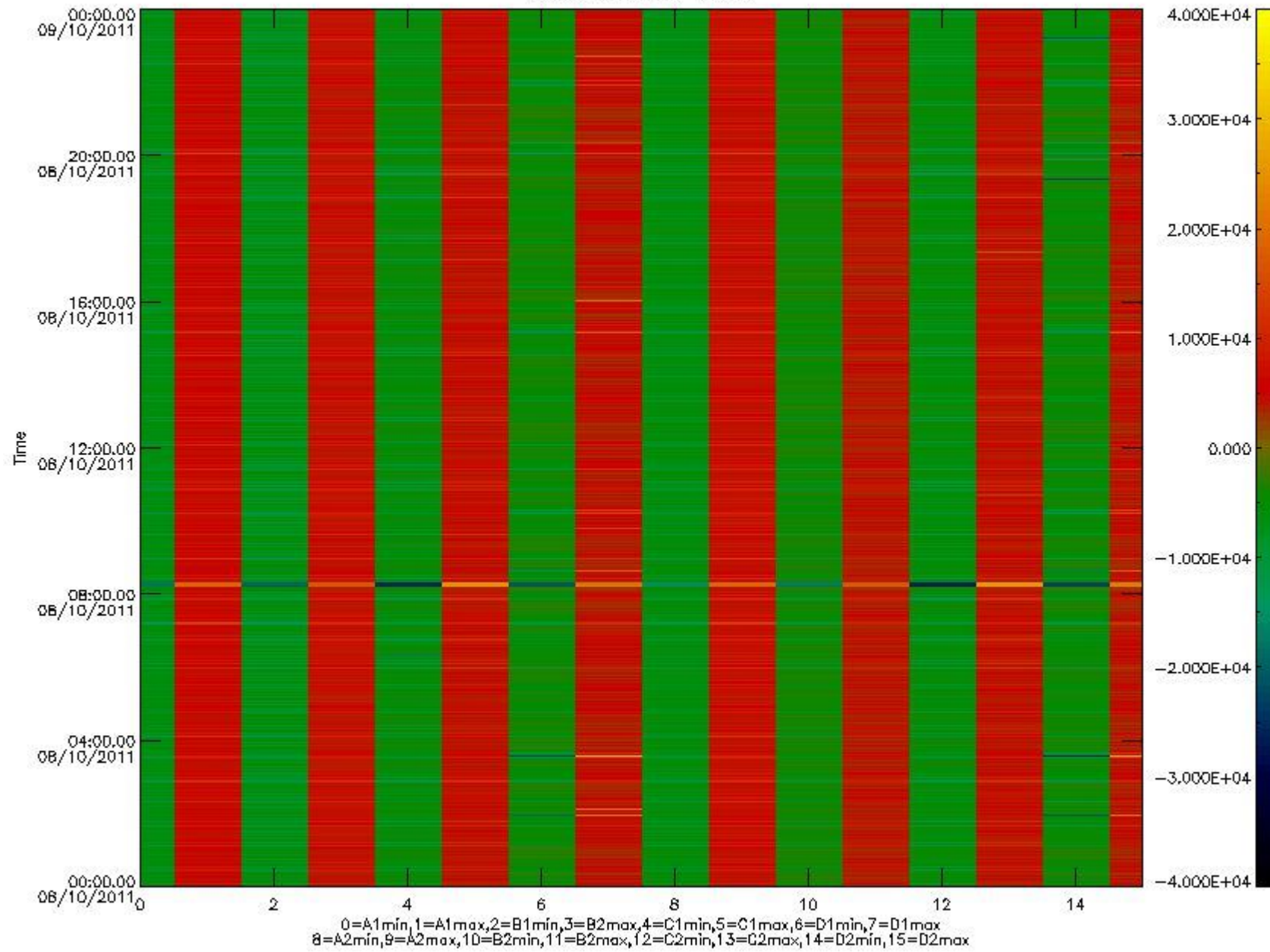


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111008\_10.PNG

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

Channel	Min	Max	ADC
A1	-18116	19228	16bit
B1	-20546	17682	16bit
C1	-25382	25231	16bit
D1	-32768	32767	16bit
A2	-15760	19485	16bit
B2	-18516	18206	16bit
C2	-26451	25999	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\_20111008\_11.PNG

### 0.3 ADF monitoring

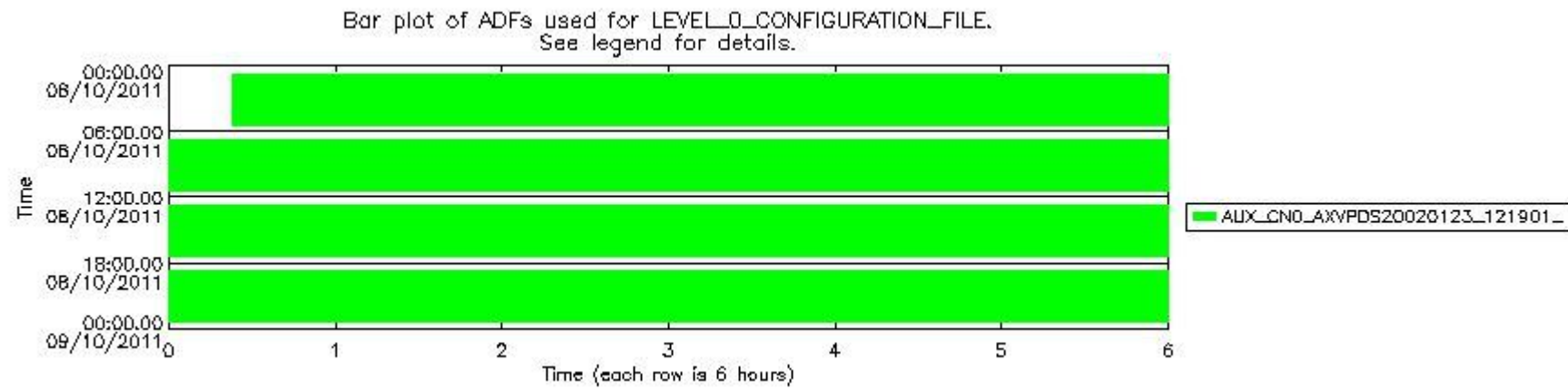
The use of ADFs is shown in two ways:

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.

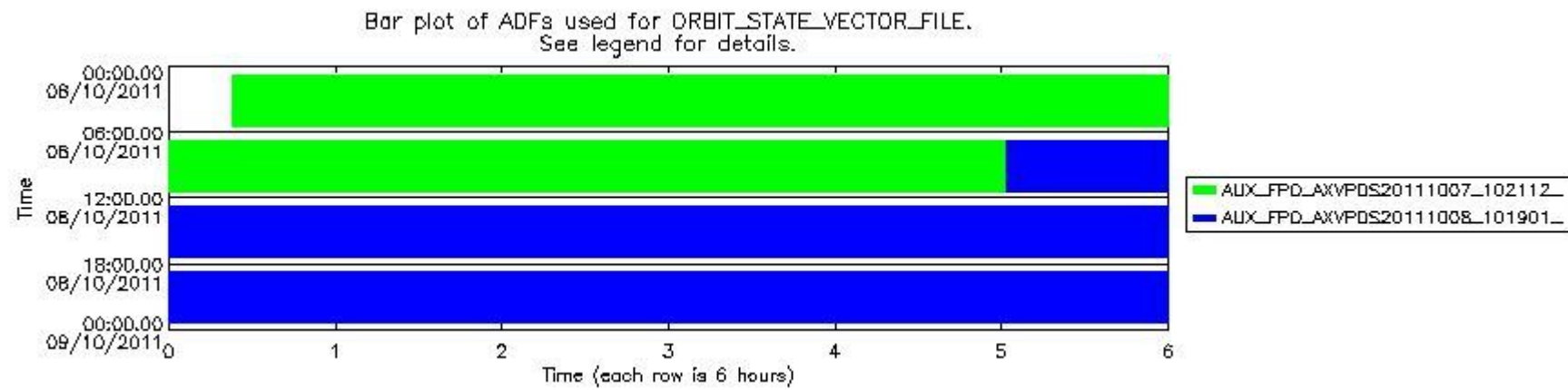
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20111007_102112_20111006_183003_20111016_204346
2	AUX_FPO_AXVPDS20111008_101901_20111007_193333_20111017_200701

Number	Product name	#CN0	#FPO
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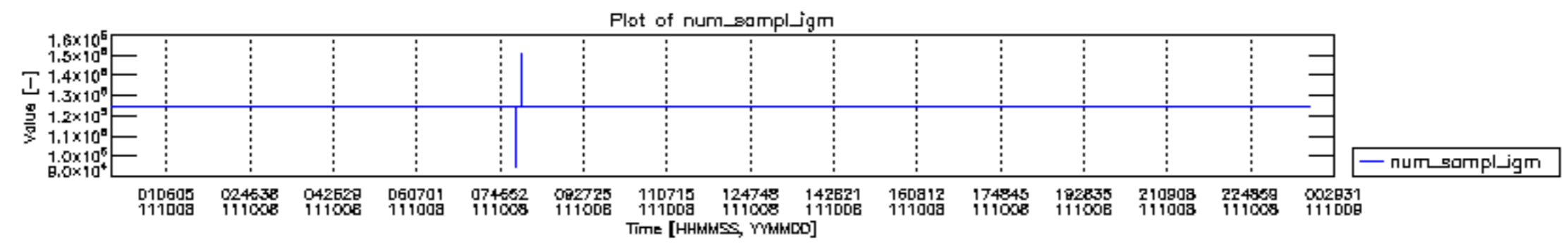
0	MIP_NL__0PNPDE20111008_002302_000058303107_00217_50231_9794.N1	0	1
1	MIP_NL__0PNPDE20111008_015907_000045543107_00218_50232_9795.N1	0	1
2	MIP_NL__0PNPDE20111008_031428_000061273107_00219_50233_9796.N1	0	1
3	MIP_NL__0PNPDE20111008_045602_000060063107_00220_50234_9797.N1	0	1
4	MIP_NL__0PNPDK20111008_063534_000040823107_00221_50235_7241.N1	0	1
5	MIP_NL__0PNPDK20111008_074238_000061773107_00222_50236_7242.N1	0	1
6	MIP_NL__0PNPDK20111008_092451_000059063107_00223_50237_7243.N1	0	1
7	MIP_NL__0PNPDK20111008_110141_000059433107_00224_50238_7244.N1	0	2
8	MIP_NL__0PNPDK20111008_123908_000060583107_00225_50239_7245.N1	0	2
9	MIP_NL__0PNPDK20111008_141907_000060063107_00226_50240_7246.N1	0	2
10	MIP_NL__0PNPDK20111008_155817_000058433107_00227_50241_7247.N1	0	2
11	MIP_NL__0PNPDK20111008_173454_000059893107_00228_50242_7248.N1	0	2
12	MIP_NL__0PNPDK20111008_191408_000059833107_00229_50243_7249.N1	0	2
13	MIP_NL__0PNPDE20111008_205206_000043743107_00230_50244_9798.N1	0	2
14	MIP_NL__0PNPDE20111008_220358_000061153107_00230_50244_9799.N1	0	2
15	MIP_NL__0PNPDE20111008_234450_000060963107_00231_50245_9800.N1	0	2

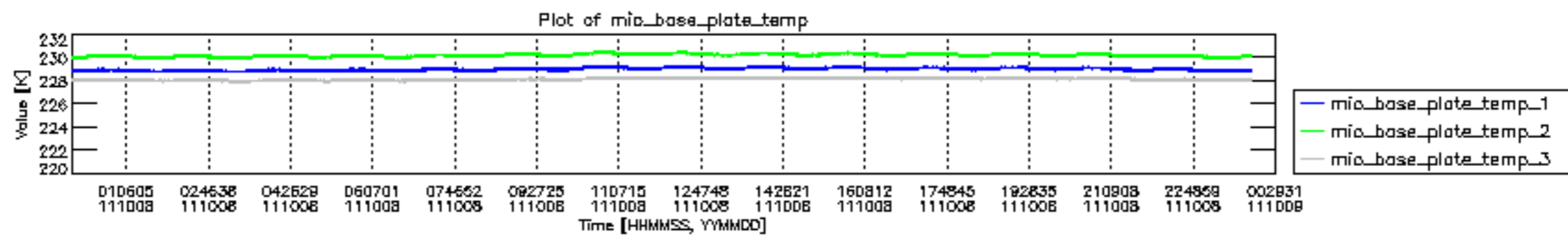


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111008\_12.PNG

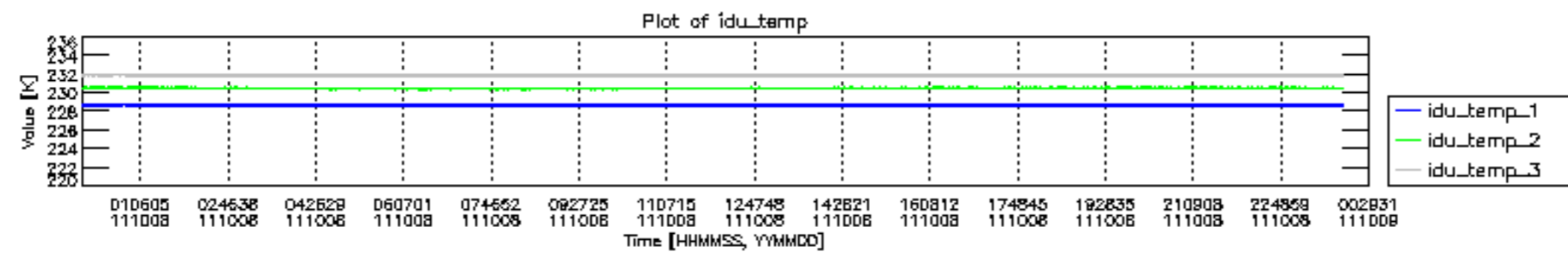


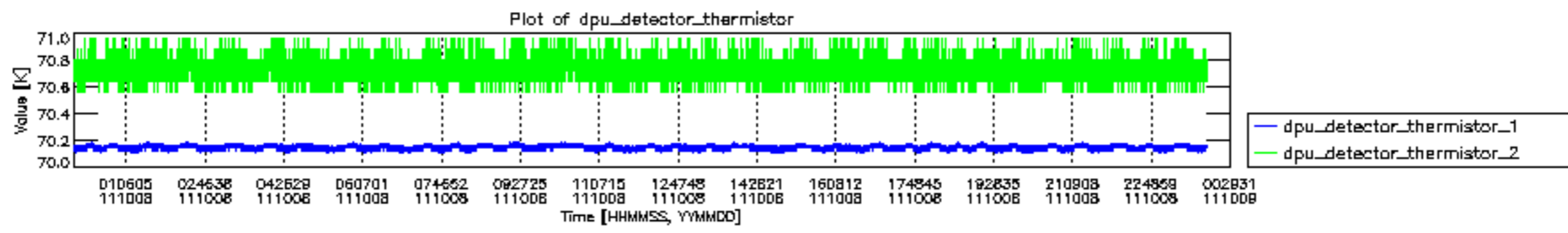
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20111008\_13.PNG

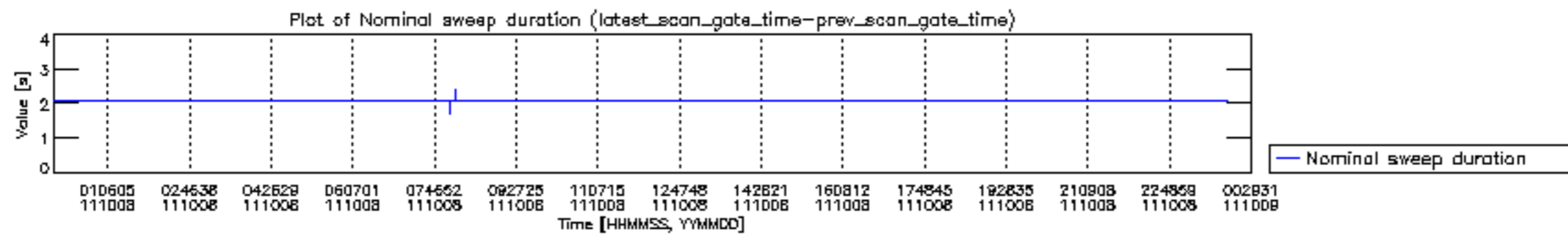


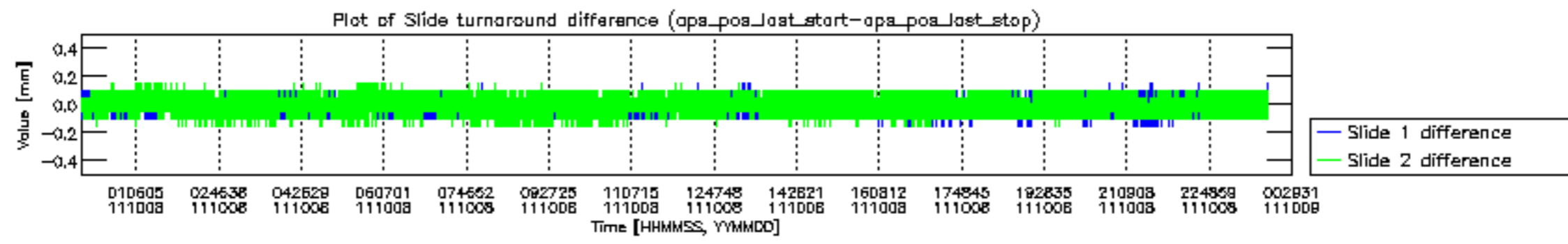


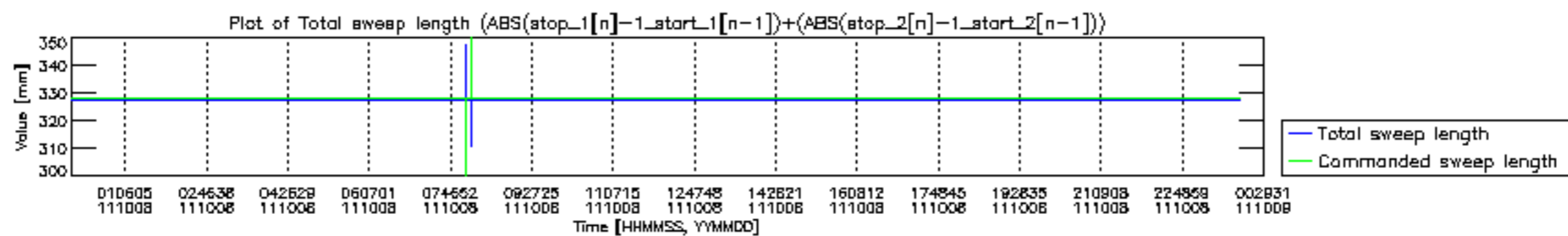


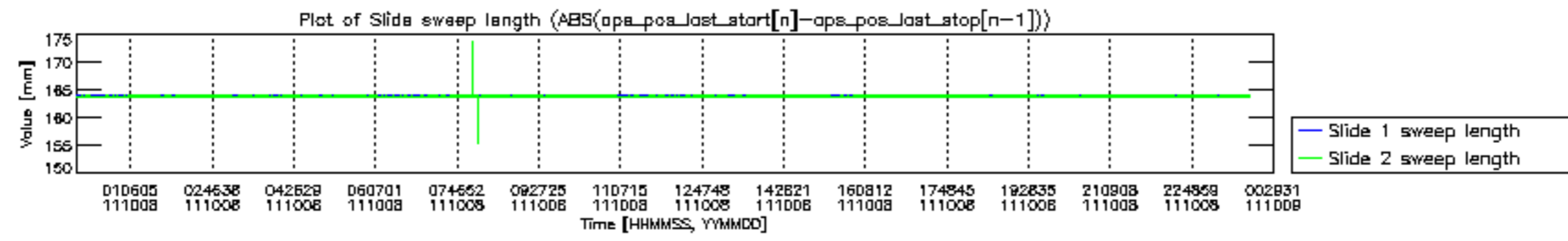


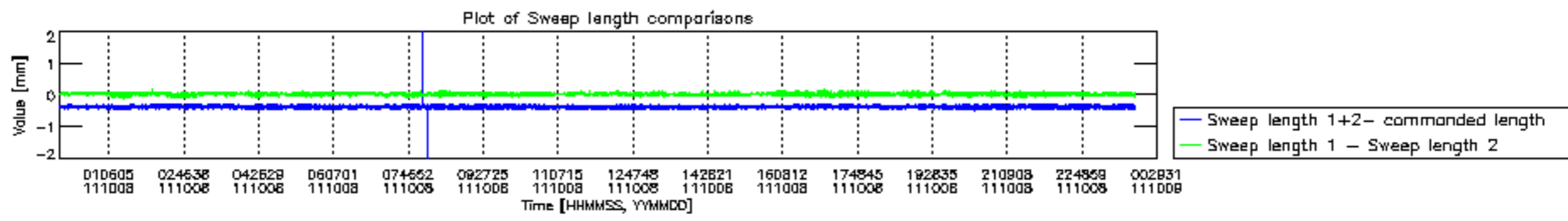


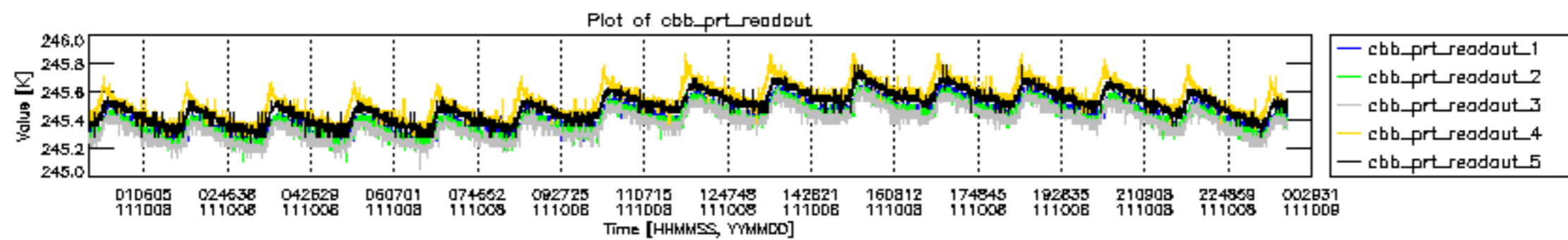




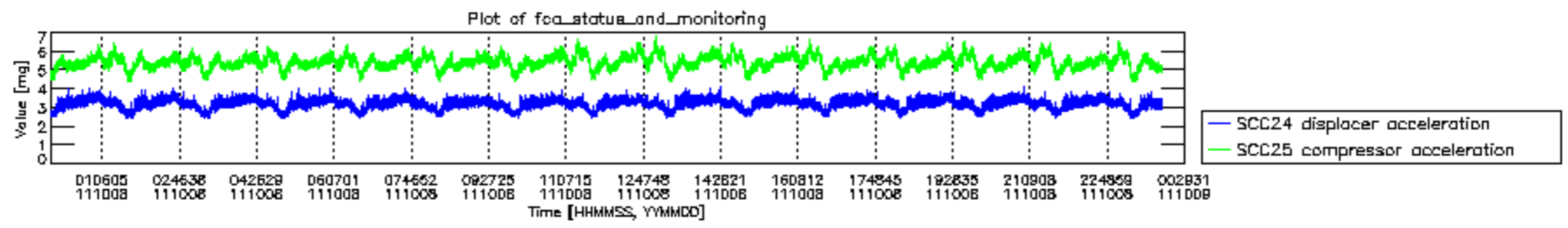












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

