

## 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	05MAY2011 12:18:10
Data source version	KSPT_L0/4504-N
Processing scope for products	30APR2011 00:00:00 to 01MAY2011 00:00:00
Start time of first product within scope	30APR2011 00:24:41
Stop time of last product within scope	01MAY2011 01:26:05
Total number of level 0 products	17
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__0PNPDE20110430_002441_000057763102_00059_47918_3541.N1	30APR2011 00:24:41	30APR2011 02:00:57	0	0	0	0	0
1	MIP_NL__0PNPDE20110430_004312_000046653102_00060_47919_3545.N1	30APR2011 00:43:12	30APR2011 02:00:57	0	0	0	0	0
2	MIP_NL__0PNPDE20110430_015956_000045233102_00060_47919_3542.N1	30APR2011 01:59:56	30APR2011 03:15:19	0	0	0	0	0
3	MIP_NL__0PNPDE20110430_031445_000061923102_00061_47920_3543.N1	30APR2011 03:14:45	30APR2011 04:57:57	0	0	0	0	0
4	MIP_NL__0PNPDE20110430_045724_000059953102_00062_47921_3544.N1	30APR2011 04:57:24	30APR2011 06:37:19	0	0	0	0	0
5	MIP_NL__0PNPDK20110430_063645_000040863102_00063_47922_4996.N1	30APR2011 06:36:45	30APR2011 07:44:52	0	0	0	0	0
6	MIP_NL__0PNPDK20110430_074418_000061813102_00064_47923_4997.N1	30APR2011 07:44:18	30APR2011 09:27:20	1	1	0	0	0
7	MIP_NL__0PNPDK20110430_092646_000059243102_00065_47924_4998.N1	30APR2011 09:26:46	30APR2011 11:05:31	0	0	0	0	0
8	MIP_NL__0PNPDK20110430_110449_000060373102_00066_47925_4999.N1	30APR2011 11:04:49	30APR2011 12:45:26	0	0	0	0	0
9	MIP_NL__0PNPDK20110430_124442_000058833102_00067_47926_5000.N1	30APR2011 12:44:42	30APR2011 14:22:45	0	0	0	0	0
10	MIP_NL__0PNPDK20110430_142213_000058603102_00068_47927_5001.N1	30APR2011 14:22:13	30APR2011 15:59:53	0	0	0	0	0
11	MIP_NL__0PNPDK20110430_155907_000058143102_00069_47928_5002.N1	30APR2011 15:59:07	30APR2011 17:36:01	0	0	0	0	0
12	MIP_NL__0PNPDK20110430_173509_000059203102_00070_47929_5003.N1	30APR2011 17:35:09	30APR2011 19:13:49	0	0	0	0	0
13	MIP_NL__0PNPDK20110430_191217_000062213102_00071_47930_5004.N1	30APR2011 19:12:17	30APR2011 20:55:58	1	1	0	0	0
14	MIP_NL__0PNPDE20110430_205502_000043083102_00072_47931_3546.N1	30APR2011 20:55:02	30APR2011 22:06:49	0	0	0	0	0
15	MIP_NL__0PNPDE20110430_220544_000061543102_00072_47931_3547.N1	30APR2011 22:05:44	30APR2011 23:48:19	0	0	0	0	0
16	MIP_NL__0PNPDE20110430_234722_000059223102_00073_47932_3548.N1	30APR2011 23:47:22	01MAY2011 01:26:05	0	0	0	0	0

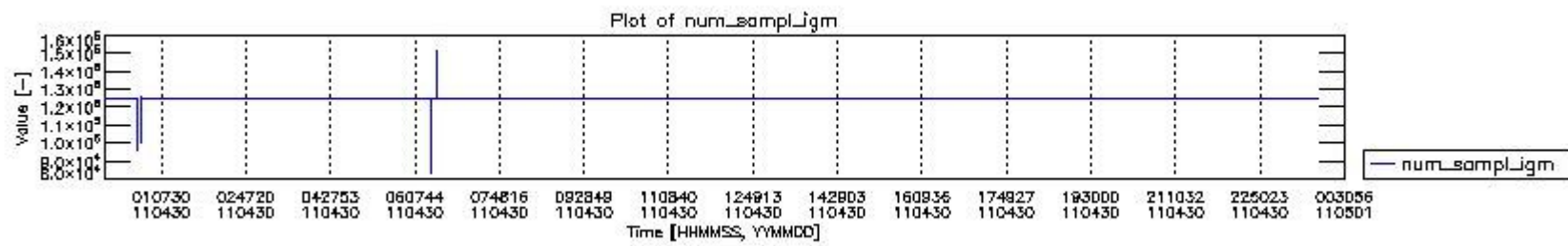
## 0.2 Instrument Operational Performance Parameters

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.

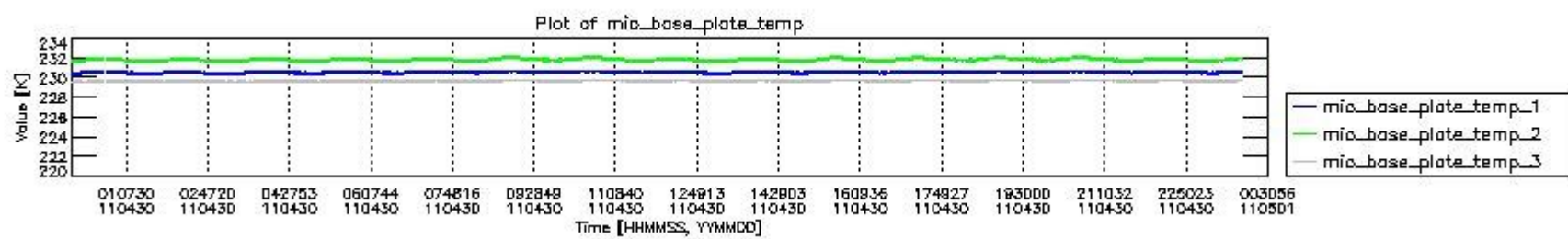
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
82892	1	0.0024109748

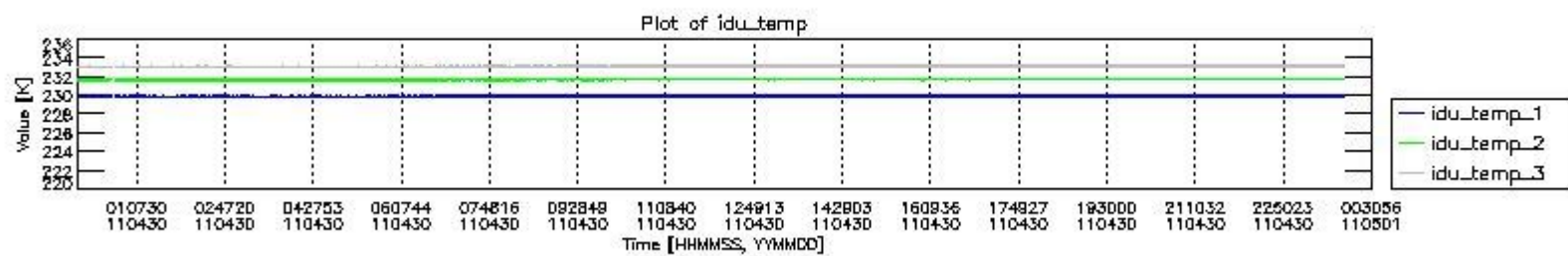
93780	1	0.0024109748
96124	1	0.0024109748
99888	1	0.0024109748
100396	1	0.0024109748
113912	1	0.0024109748
120528	1	0.0024109748
124800	38527	92.887624
124803	2938	7.0834438
125140	1	0.0024109748
125480	1	0.0024109748
127902	1	0.0024109748
148034	1	0.0024109748
151136	1	0.0024109748



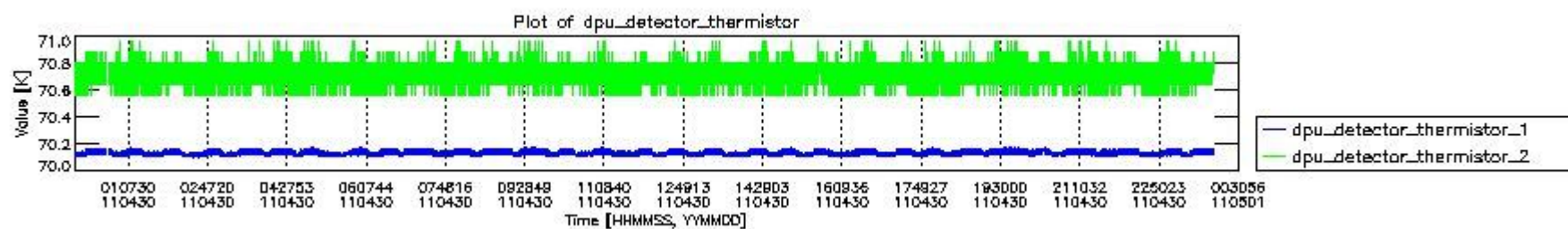
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110430\_0.PNG



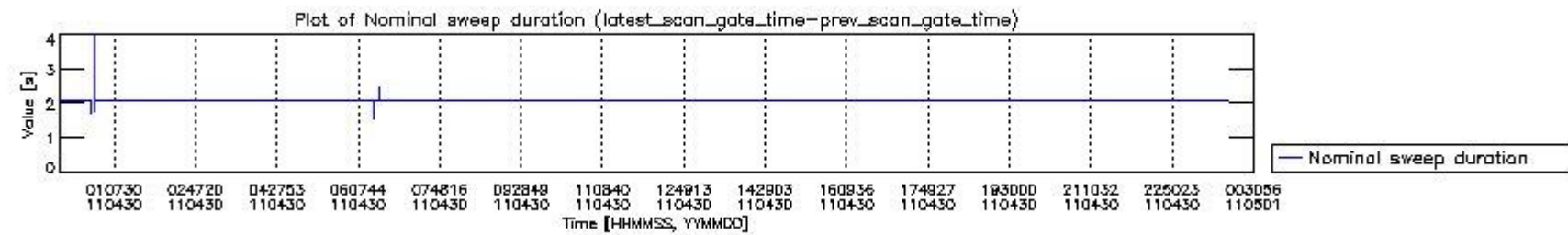
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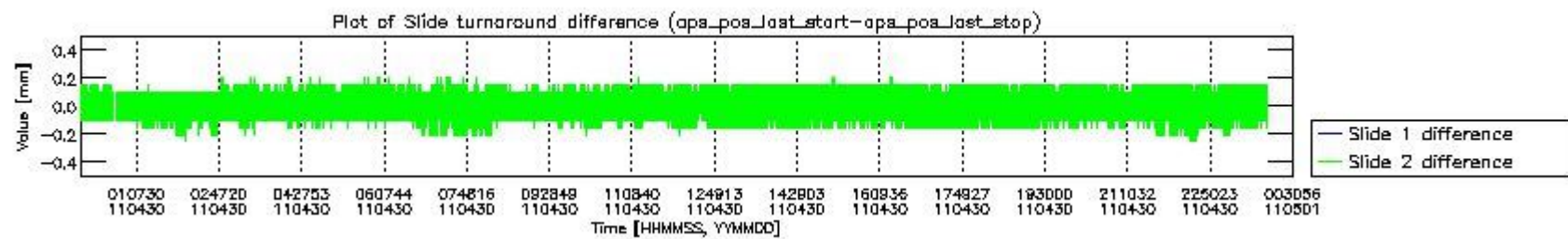
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110430\_2.PNG



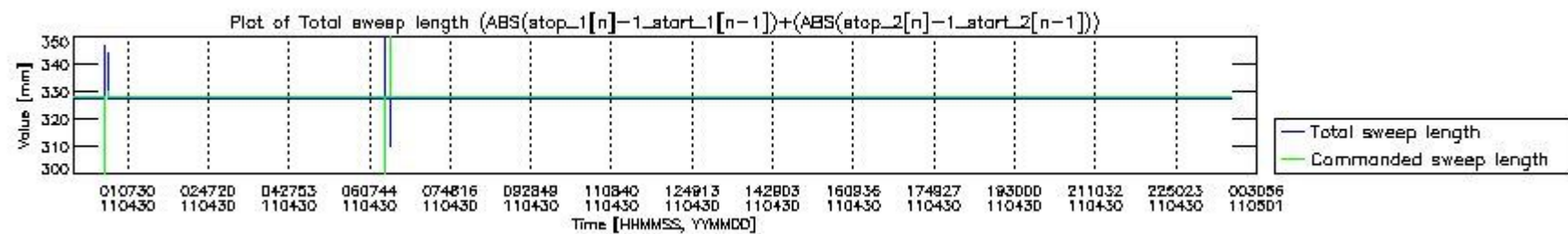
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110430\_3.PNG



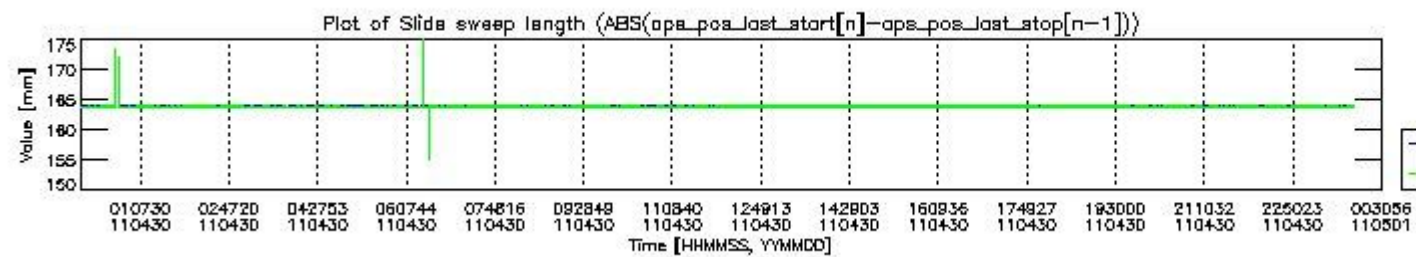
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110430\_4.PNG



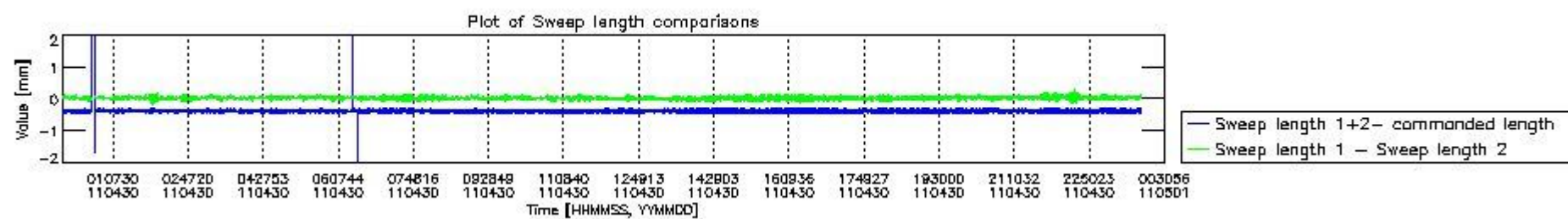
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110430\_5.PNG



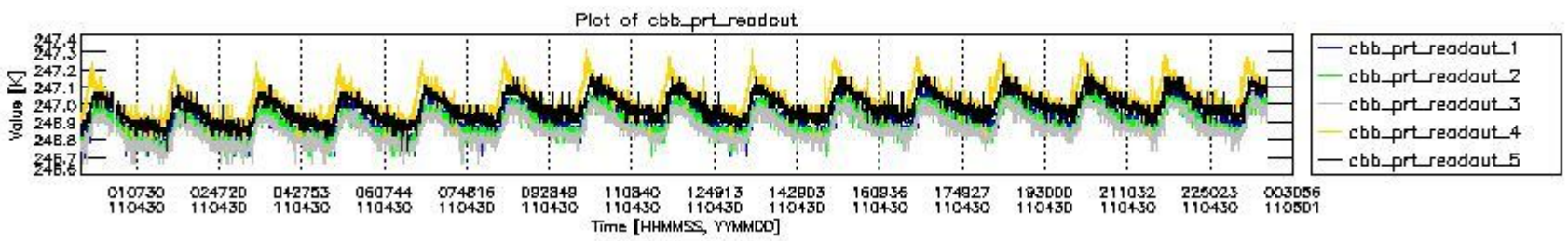
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110430\_6.PNG



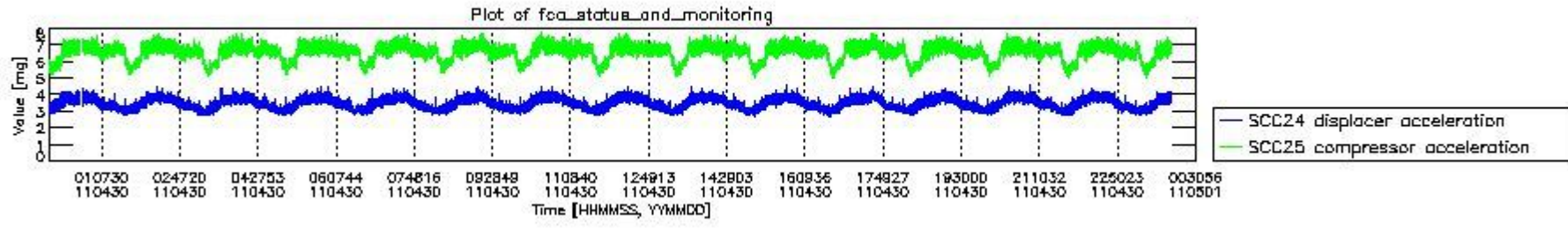
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110430\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110430\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110430\_9.PNG



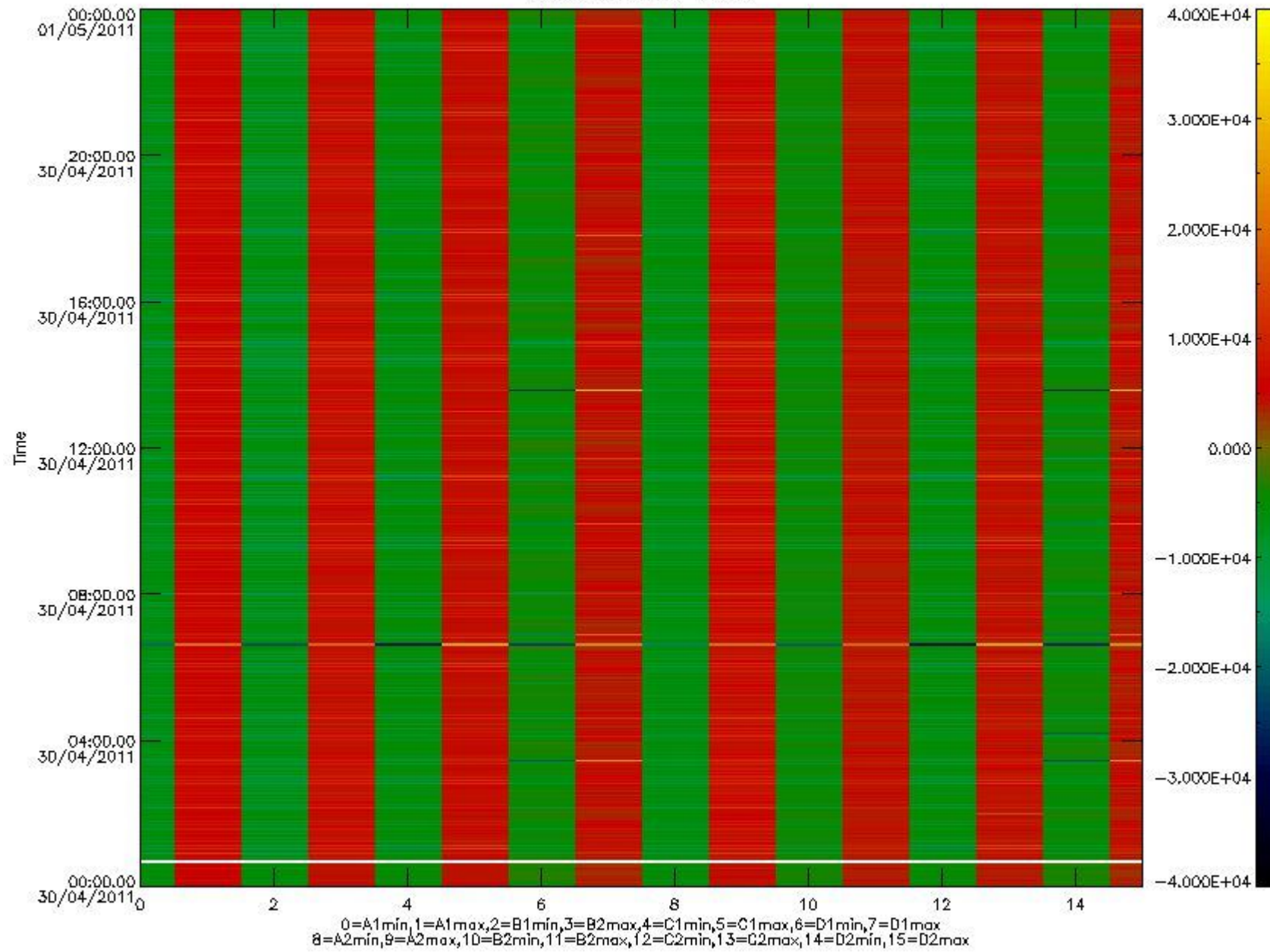
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110430\_10.PNG

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

Channel	Min	Max	ADC
A1	-19094	20518	16bit
B1	-22049	18636	16bit
C1	-26947	26910	16bit
D1	-32768	32767	16bit
A2	-16444	20684	16bit
B2	-20393	19636	16bit
C2	-27982	27679	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\_20110430\_11.PNG

### 0.3 ADF monitoring

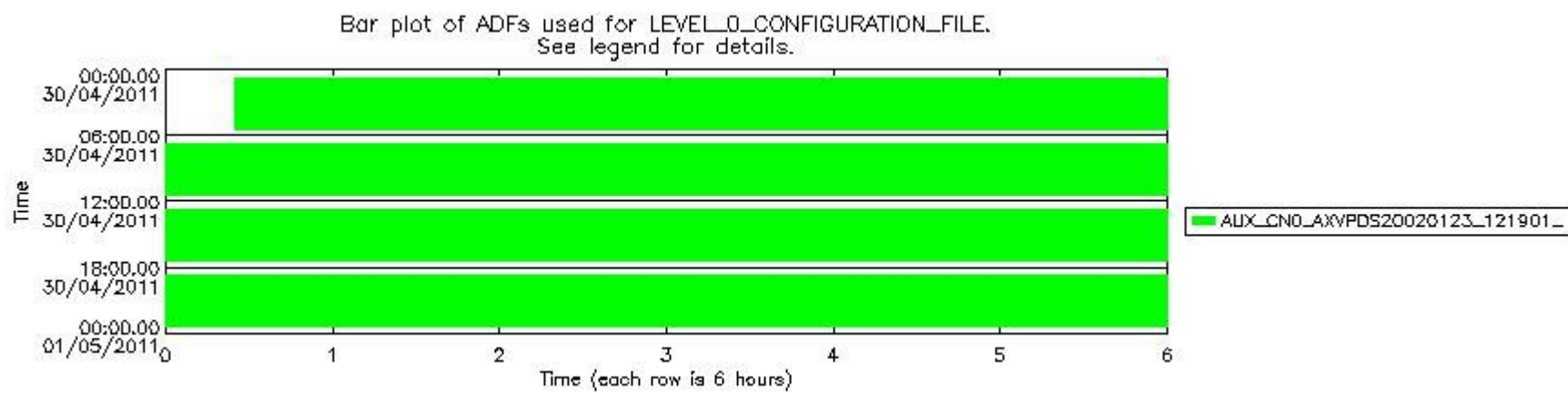
The use of ADFs is shown in two ways:

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.

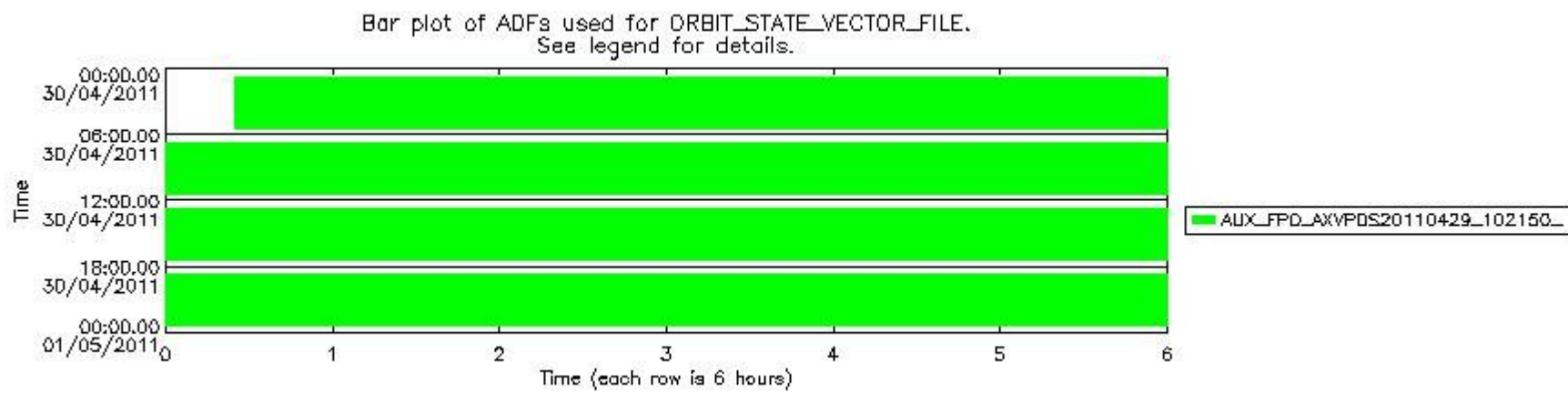
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110429_102150_20110428_183112_20110508_204459

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110430_002441_000057763102_00059_47918_3541.N1	0	1

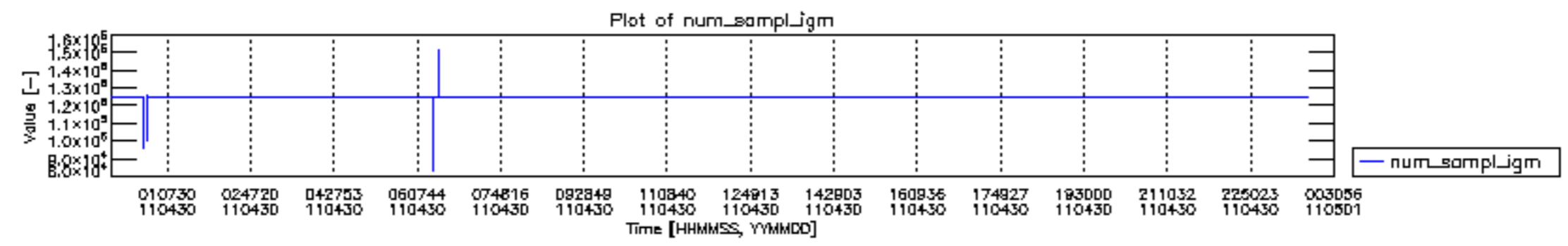
1	MIP_NL__0PNPDE20110430_004312_000046653102_00060_47919_3545.N1	0	1
2	MIP_NL__0PNPDE20110430_015956_000045233102_00060_47919_3542.N1	0	1
3	MIP_NL__0PNPDE20110430_031445_000061923102_00061_47920_3543.N1	0	1
4	MIP_NL__0PNPDE20110430_045724_000059953102_00062_47921_3544.N1	0	1
5	MIP_NL__0PNPDK20110430_063645_000040863102_00063_47922_4996.N1	0	1
6	MIP_NL__0PNPDK20110430_074418_000061813102_00064_47923_4997.N1	0	1
7	MIP_NL__0PNPDK20110430_092646_000059243102_00065_47924_4998.N1	0	1
8	MIP_NL__0PNPDK20110430_110449_000060373102_00066_47925_4999.N1	0	1
9	MIP_NL__0PNPDK20110430_124442_000058833102_00067_47926_5000.N1	0	1
10	MIP_NL__0PNPDK20110430_142213_000058603102_00068_47927_5001.N1	0	1
11	MIP_NL__0PNPDK20110430_155907_000058143102_00069_47928_5002.N1	0	1
12	MIP_NL__0PNPDK20110430_173509_000059203102_00070_47929_5003.N1	0	1
13	MIP_NL__0PNPDK20110430_191217_000062213102_00071_47930_5004.N1	0	1
14	MIP_NL__0PNPDE20110430_205502_000043083102_00072_47931_3546.N1	0	1
15	MIP_NL__0PNPDE20110430_220544_000061543102_00072_47931_3547.N1	0	1
16	MIP_NL__0PNPDE20110430_234722_000059223102_00073_47932_3548.N1	0	1

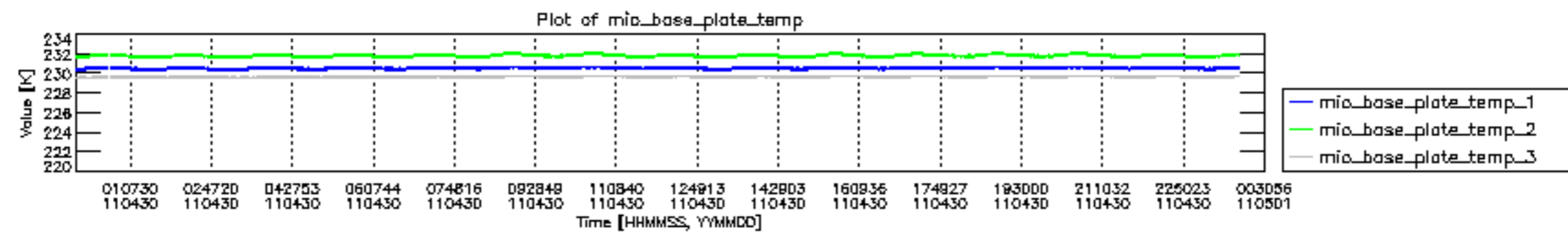


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110430\_12.PNG

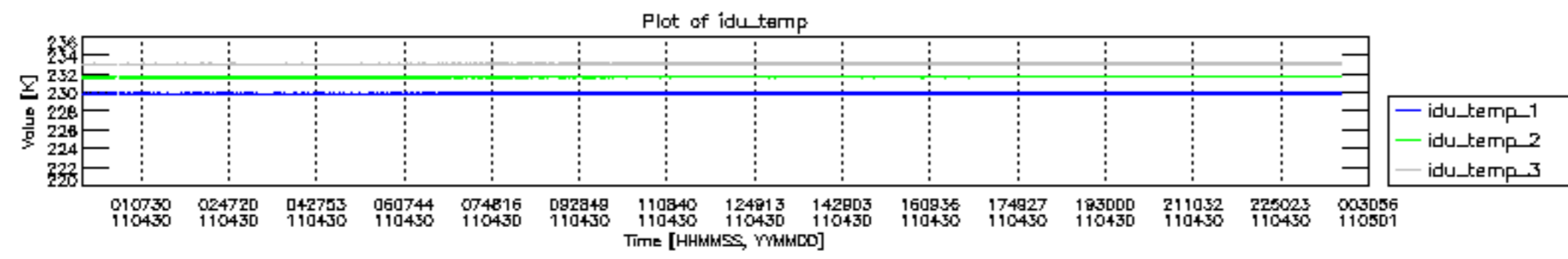


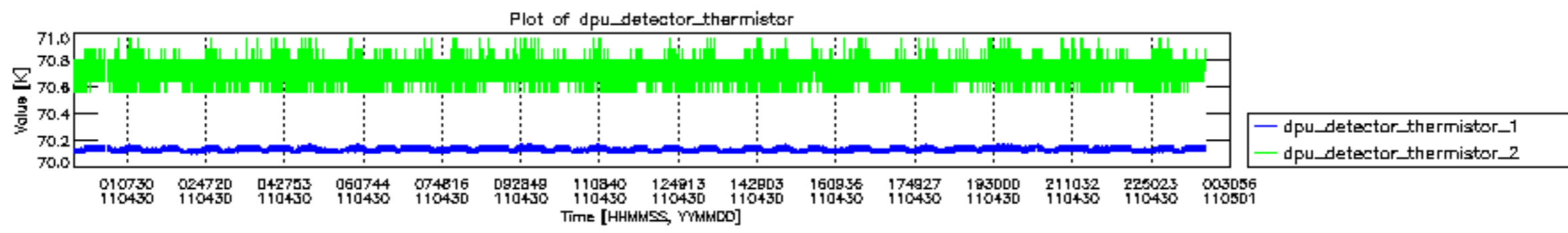
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110430\_13.PNG

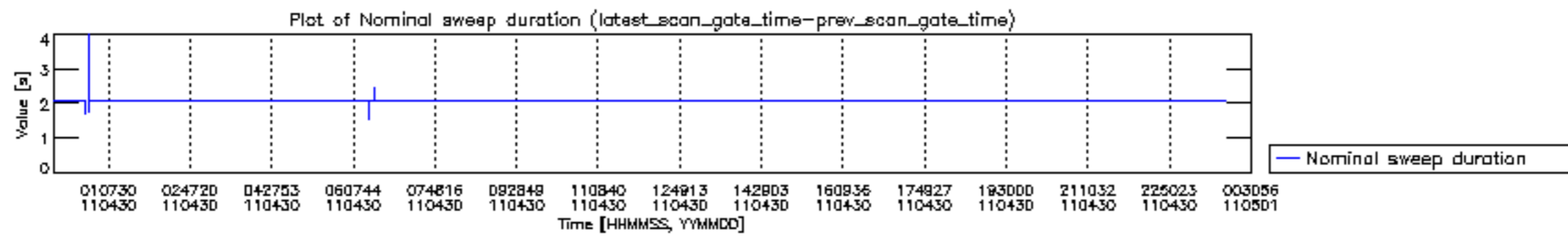


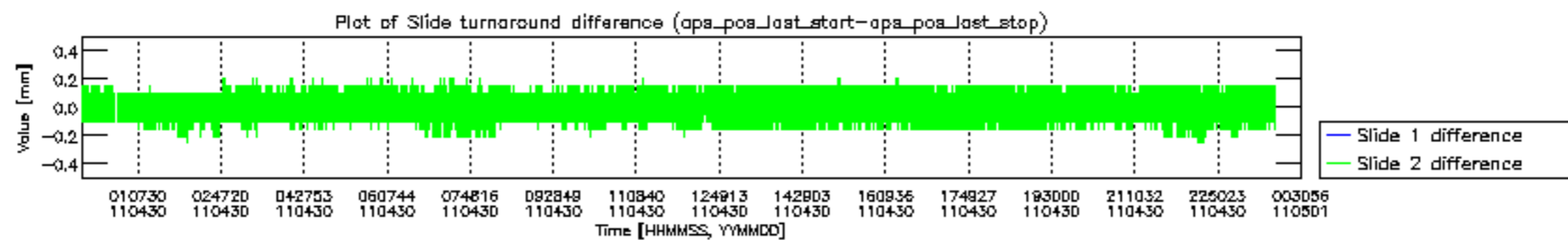


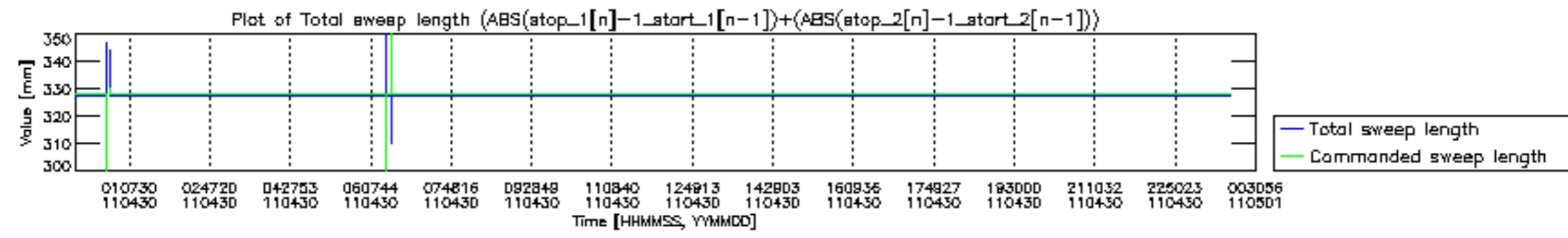




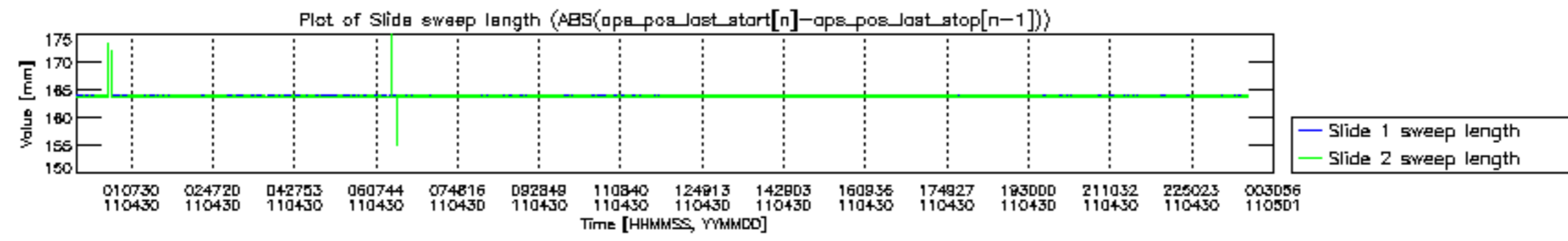


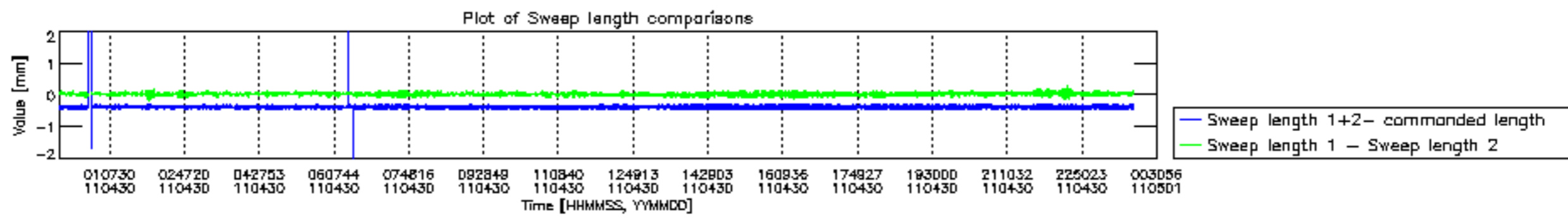


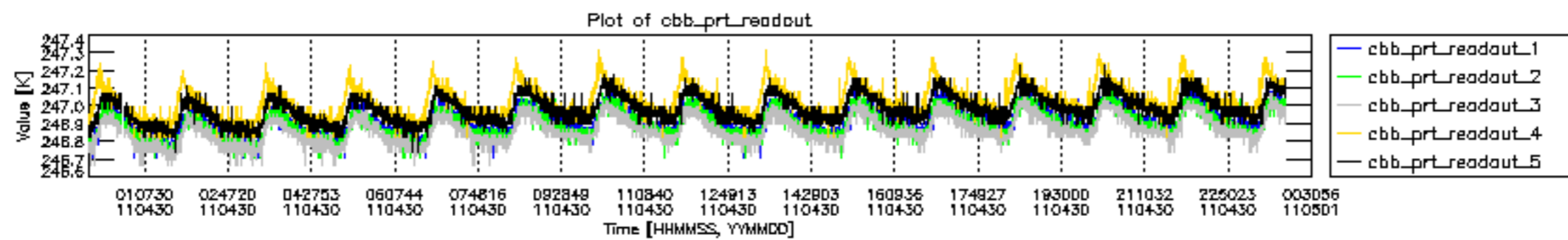














MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

