

## 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	04JUL2011 05:23:43
Data source version	KSPT_L0/4504-N
Processing scope for products	29JUN2011 00:00:00 to 30JUN2011 00:00:00
Start time of first product within scope	29JUN2011 00:24:22
Stop time of last product within scope	30JUN2011 01:29:05
Total number of level 0 products	16
Number of level 0 products with errors	1

### 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__0PNPDE20110629_002422_000058893104_00059_48780_9131.N1	29JUN2011 00:24:22	29JUN2011 02:02:31	0	0	0	0	0
1	MIP_NL__0PNPDE20110629_004404_000047063104_00060_48781_9133.N1	29JUN2011 00:44:04	29JUN2011 02:02:31	0	0	0	0	0
2	MIP_NL__0PNPDE20110629_020126_000045063104_00060_48781_9132.N1	29JUN2011 02:01:26	29JUN2011 03:16:32	1	0	1	0	0
3	MIP_NL__0PNPDE20110629_031559_000061593104_00061_48782_9134.N1	29JUN2011 03:15:59	29JUN2011 04:58:37	0	0	0	0	0
4	MIP_NL__0PNPDE20110629_045804_000060543104_00062_48783_9135.N1	29JUN2011 04:58:04	29JUN2011 06:38:58	0	0	0	0	0
5	MIP_NL__0PNPDK20110629_063825_000040363104_00063_48784_5617.N1	29JUN2011 06:38:25	29JUN2011 07:45:41	0	0	0	0	0
6	MIP_NL__0PNPDK20110629_074507_000061573104_00064_48785_5631.N1	29JUN2011 07:45:07	29JUN2011 09:27:44	0	0	0	0	0
7	MIP_NL__0PNPDK20110629_092702_000059953104_00065_48786_5619.N1	29JUN2011 09:27:02	29JUN2011 11:06:58	0	0	0	0	0
8	MIP_NL__0PNPDK20110629_110618_000059523104_00066_48787_5620.N1	29JUN2011 11:06:18	29JUN2011 12:45:30	0	0	0	0	0
9	MIP_NL__0PNPDK20110629_124456_000059543104_00067_48788_5621.N1	29JUN2011 12:44:56	29JUN2011 14:24:10	0	0	0	0	0
10	MIP_NL__0PNPDK20110629_142337_000058413104_00068_48789_5622.N1	29JUN2011 14:23:37	29JUN2011 16:00:58	0	0	0	0	0
11	MIP_NL__0PNPDK20110629_160016_000058353104_00069_48790_5623.N1	29JUN2011 16:00:16	29JUN2011 17:37:31	0	0	0	0	0
12	MIP_NL__0PNPDK20110629_191611_000059873104_00071_48792_5625.N1	29JUN2011 19:16:11	29JUN2011 20:55:59	0	0	0	0	0
13	MIP_NL__0PNPDE20110629_205458_000043583104_00072_48793_9136.N1	29JUN2011 20:54:58	29JUN2011 22:07:36	0	0	0	0	0
14	MIP_NL__0PNPDE20110629_220633_000061253104_00072_48793_9137.N1	29JUN2011 22:06:33	29JUN2011 23:48:39	0	0	0	0	0
15	MIP_NL__0PNPDE20110629_234736_000060903104_00073_48794_9138.N1	29JUN2011 23:47:36	30JUN2011 01:29:05	0	0	0	0	0

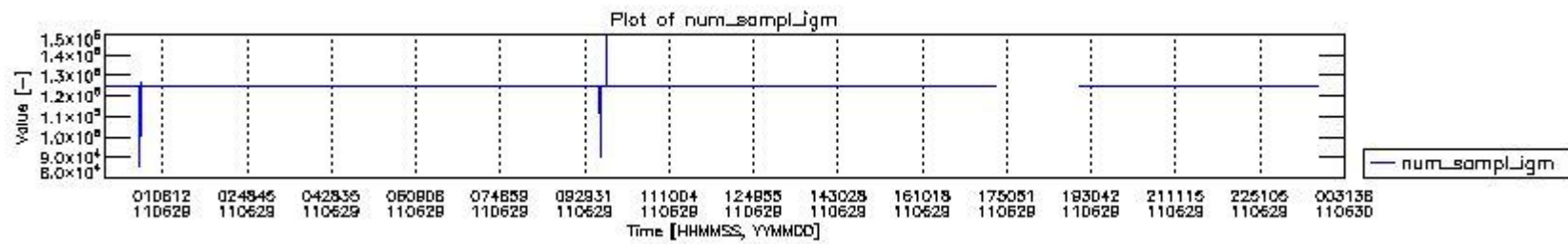
## 0.2 Instrument Operational Performance Parameters

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.

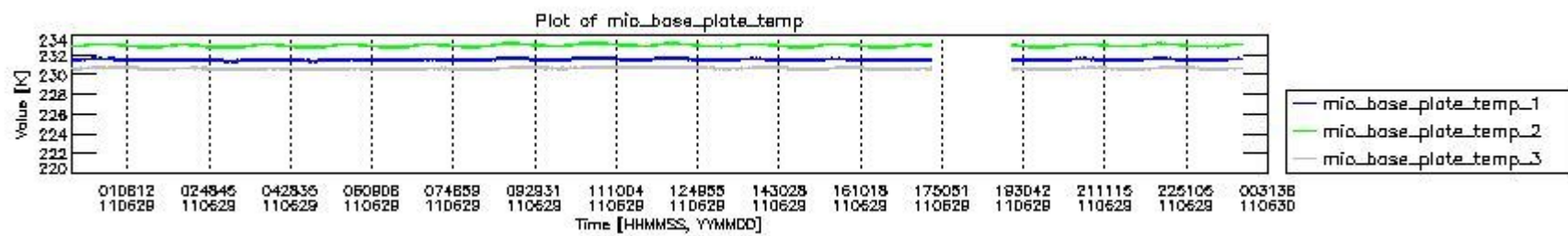
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
86014	1	0.0025940337
90326	1	0.0025940337

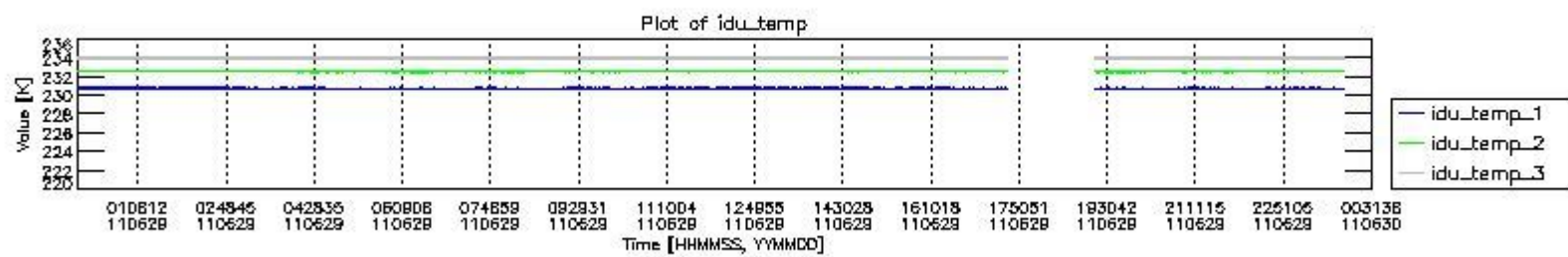
95341	1	0.0025940337
97497	1	0.0025940337
100706	1	0.0025940337
115473	1	0.0025940337
117629	1	0.0025940337
124800	35806	92.881971
124803	2732	7.0869001
125958	1	0.0025940337
127010	1	0.0025940337
127116	1	0.0025940337
147142	1	0.0025940337
149352	1	0.0025940337



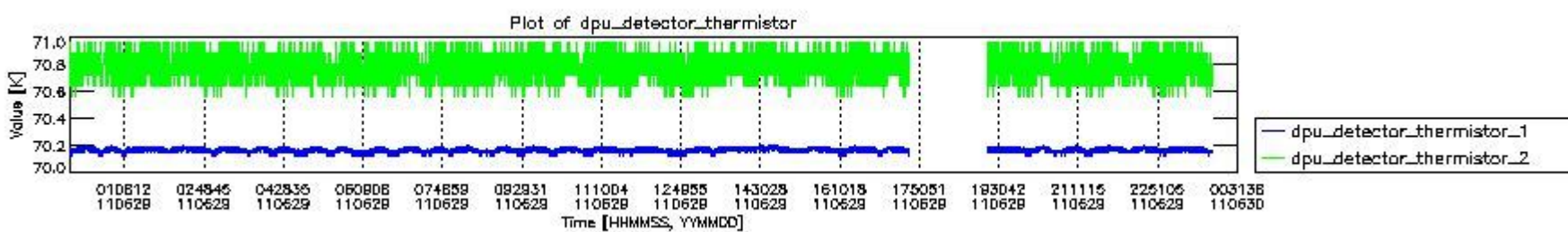
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110629\_0.PNG



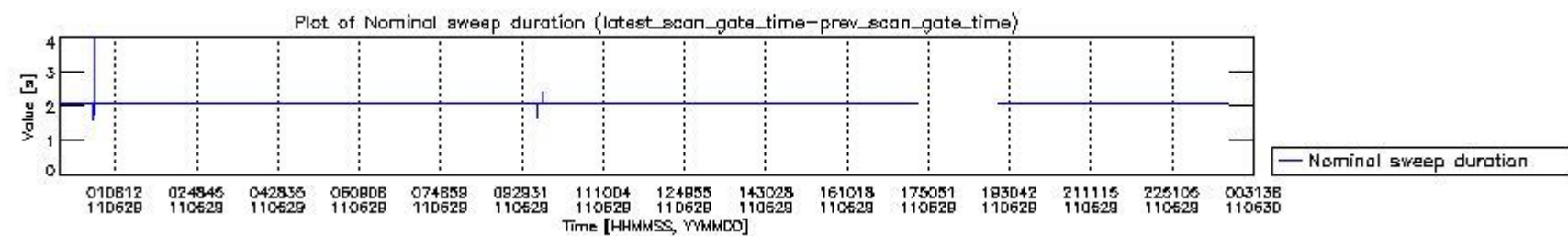
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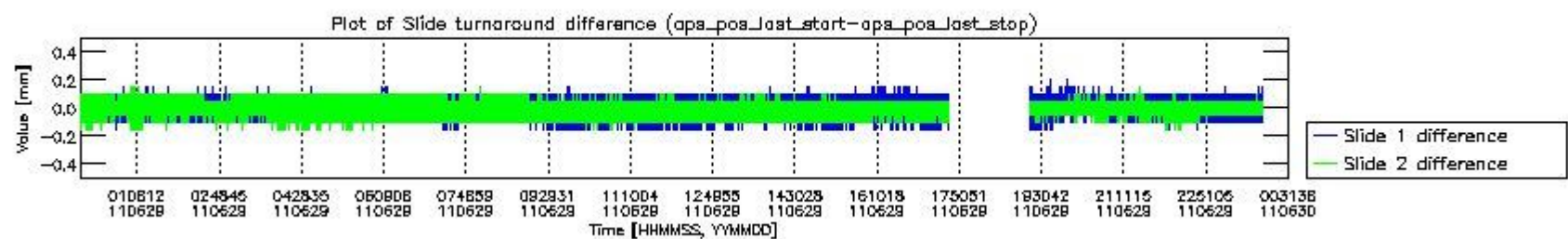
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110629\_2.PNG



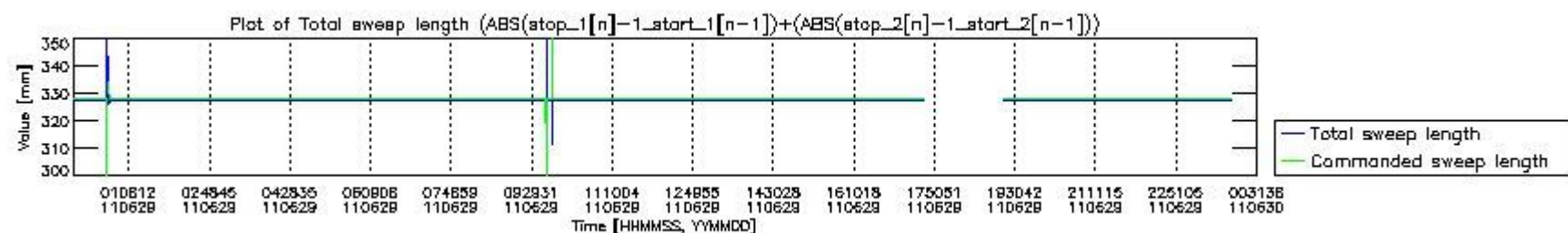
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110629\_3.PNG



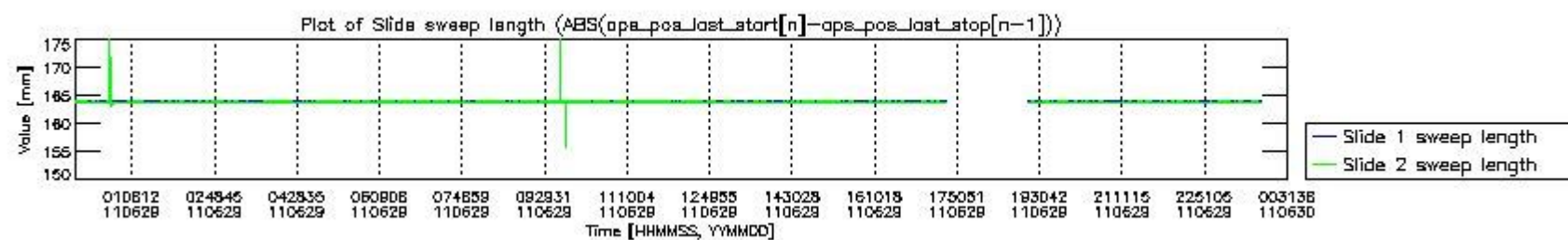
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110629\_4.PNG



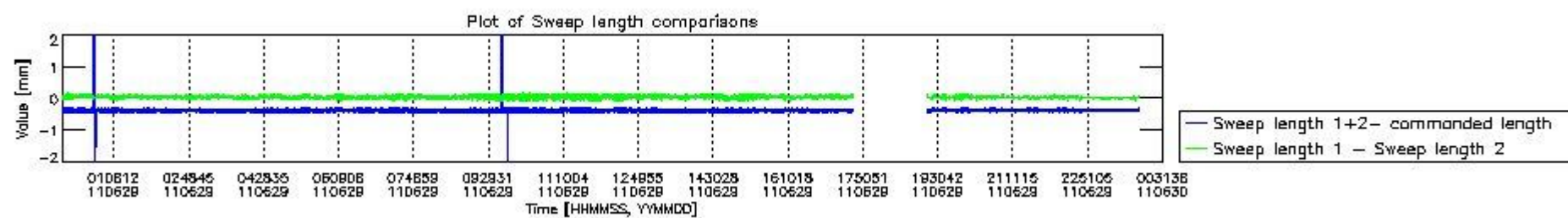
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110629\_5.PNG



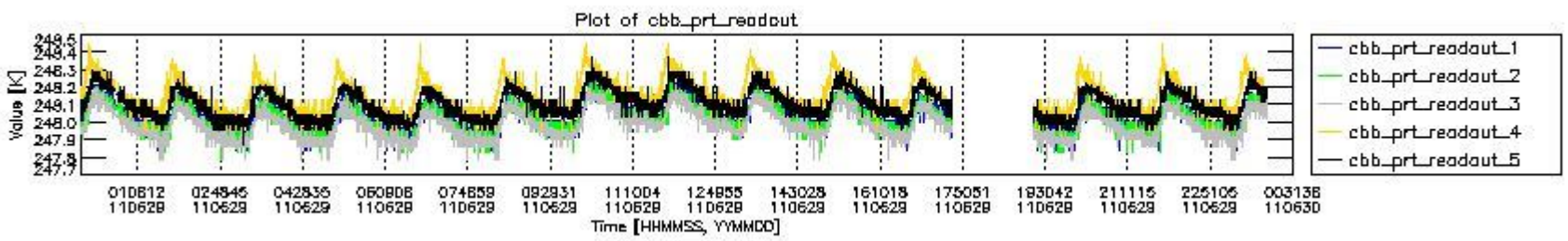
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110629\_6.PNG



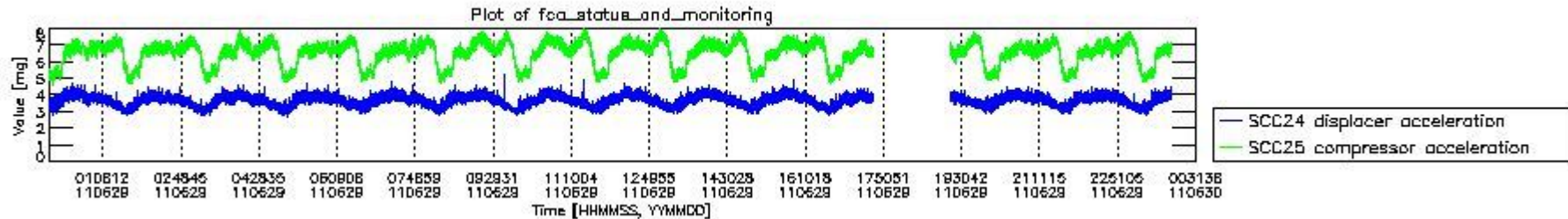
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110629\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110629\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110629\_9.PNG

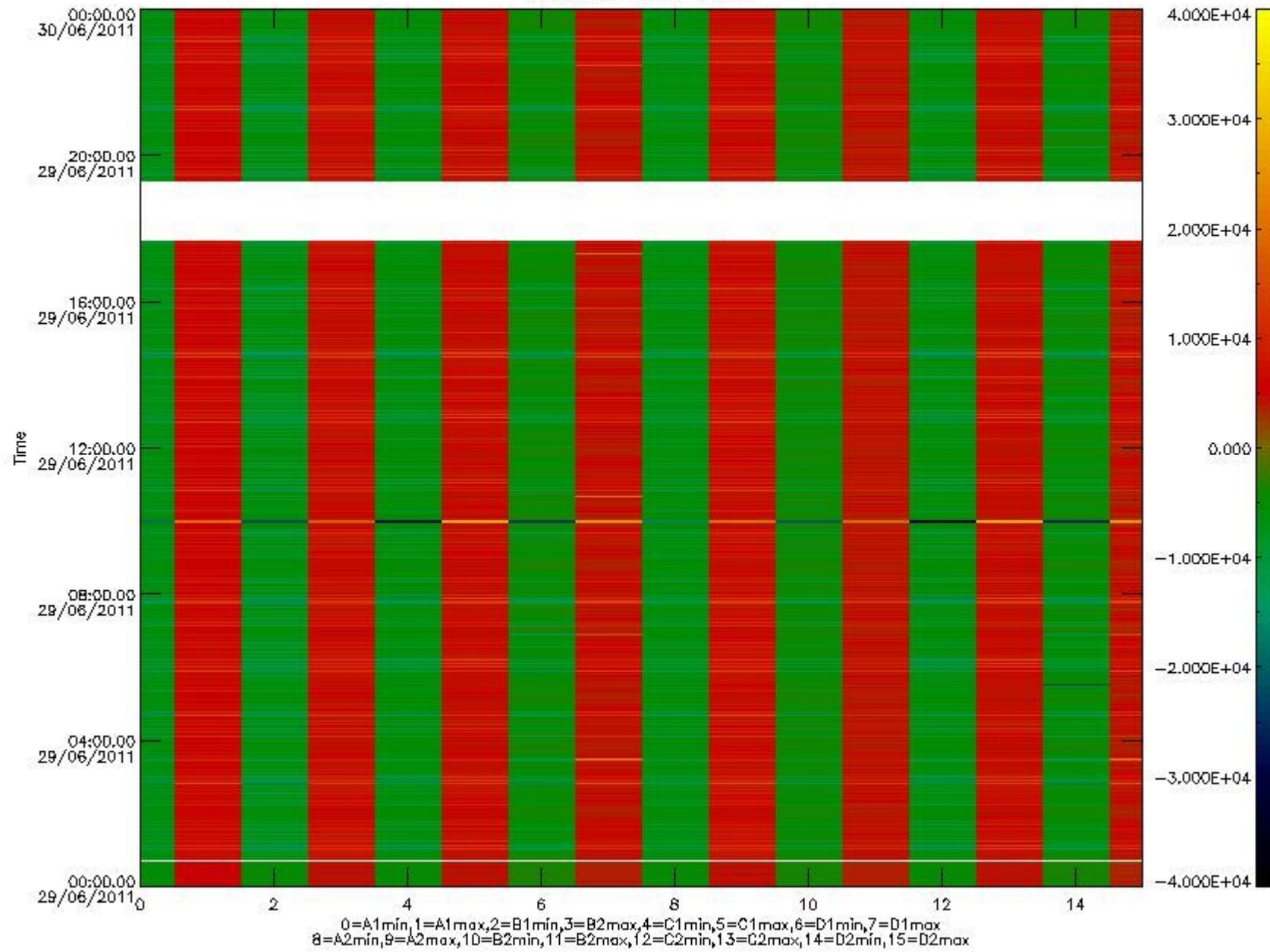


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110629\_10.PNG

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

Channel	Min	Max	ADC
A1	-19086	20291	16bit
B1	-22075	18842	16bit
C1	-28507	28436	16bit
D1	-32768	32767	16bit
A2	-16461	20462	16bit
B2	-20452	19983	16bit
C2	-29576	29252	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\_20110629\_11.PNG

### 0.3 ADF monitoring

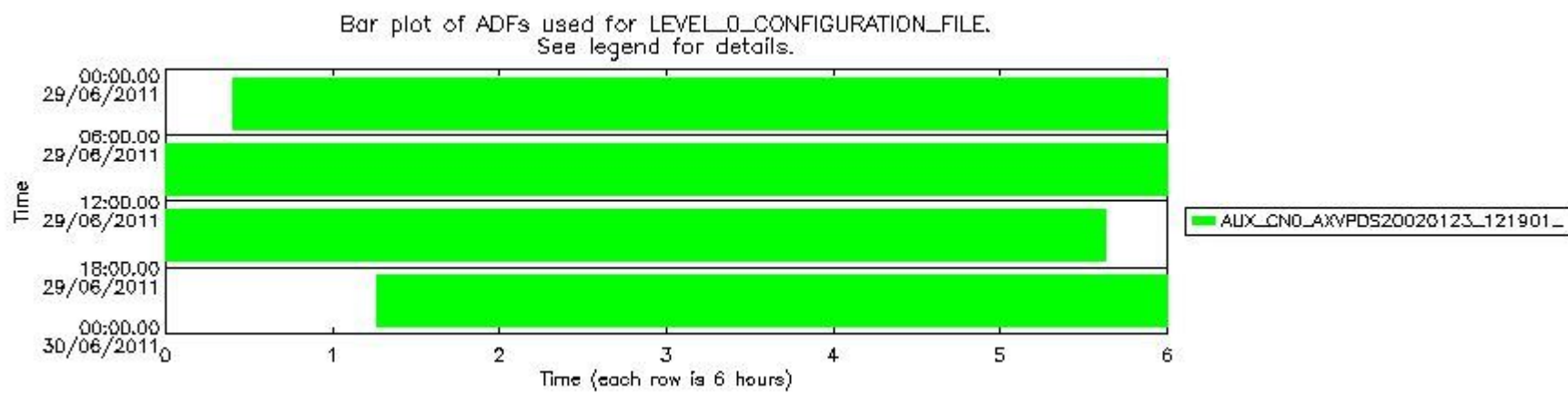
The use of ADFs is shown in two ways:

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.

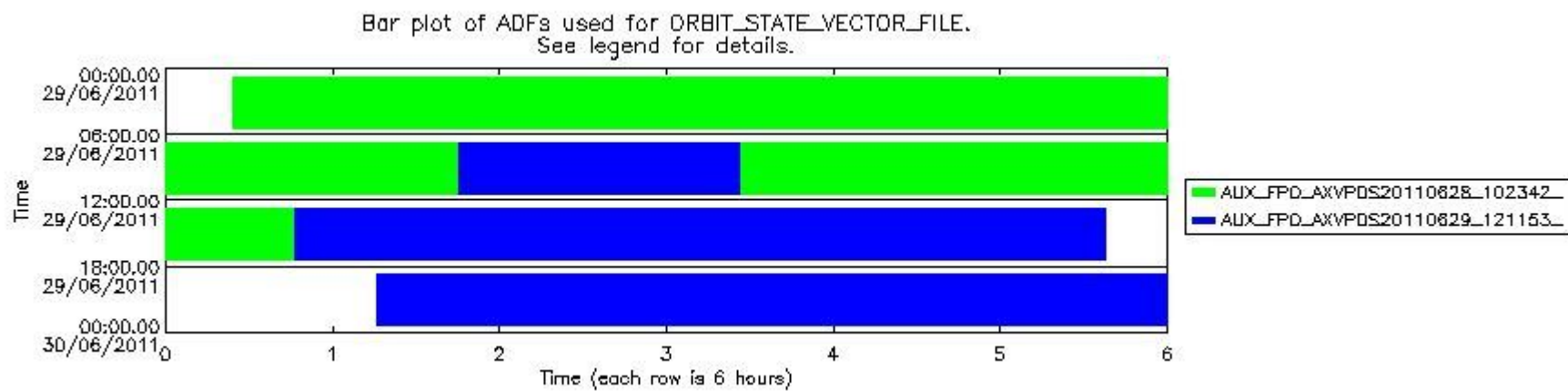
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110628_102342_20110627_183208_20110707_204556
2	AUX_FPO_AXVPDS20110629_121153_20110628_193538_20110708_200911

Number	Product name	#CN0	#FPO
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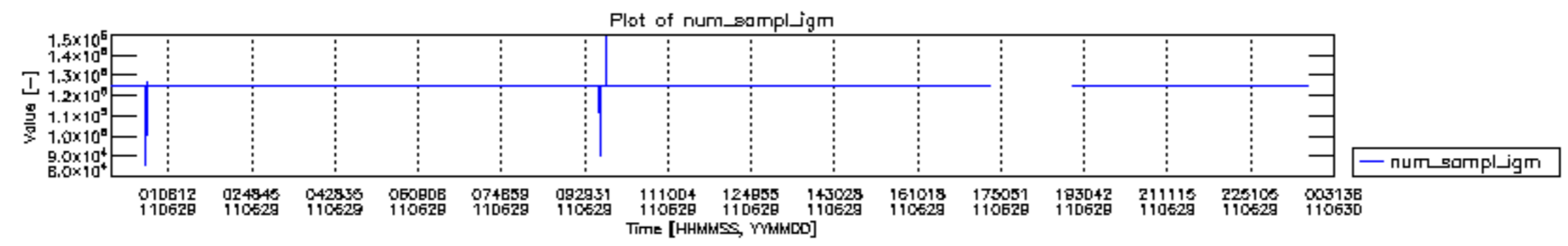
0	MIP_NL__0PNPDE20110629_002422_000058893104_00059_48780_9131.N1	0	1
1	MIP_NL__0PNPDE20110629_004404_000047063104_00060_48781_9133.N1	0	1
2	MIP_NL__0PNPDE20110629_020126_000045063104_00060_48781_9132.N1	0	1
3	MIP_NL__0PNPDE20110629_031559_000061593104_00061_48782_9134.N1	0	1
4	MIP_NL__0PNPDE20110629_045804_000060543104_00062_48783_9135.N1	0	1
5	MIP_NL__0PNPDK20110629_063825_000040363104_00063_48784_5617.N1	0	1
6	MIP_NL__0PNPDK20110629_074507_000061573104_00064_48785_5631.N1	0	2
7	MIP_NL__0PNPDK20110629_092702_000059953104_00065_48786_5619.N1	0	1
8	MIP_NL__0PNPDK20110629_110618_000059523104_00066_48787_5620.N1	0	1
9	MIP_NL__0PNPDK20110629_124456_000059543104_00067_48788_5621.N1	0	2
10	MIP_NL__0PNPDK20110629_142337_000058413104_00068_48789_5622.N1	0	2
11	MIP_NL__0PNPDK20110629_160016_000058353104_00069_48790_5623.N1	0	2
12	MIP_NL__0PNPDK20110629_191611_000059873104_00071_48792_5625.N1	0	2
13	MIP_NL__0PNPDE20110629_205458_000043583104_00072_48793_9136.N1	0	2
14	MIP_NL__0PNPDE20110629_220633_000061253104_00072_48793_9137.N1	0	2
15	MIP_NL__0PNPDE20110629_234736_000060903104_00073_48794_9138.N1	0	2

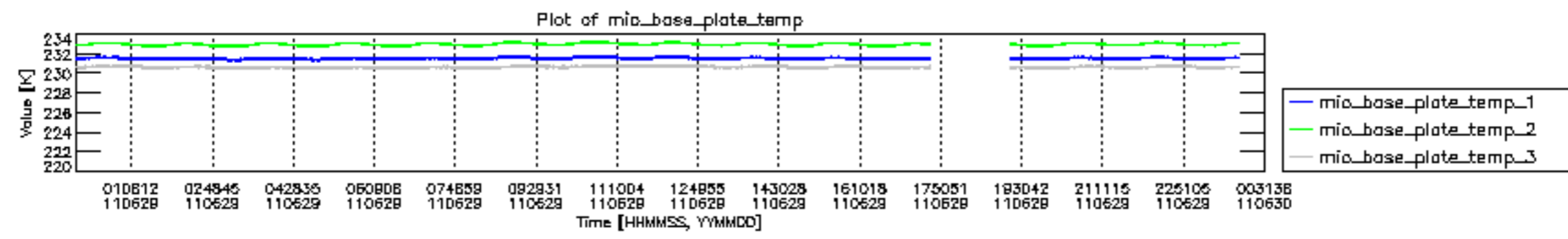


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110629\_12.PNG

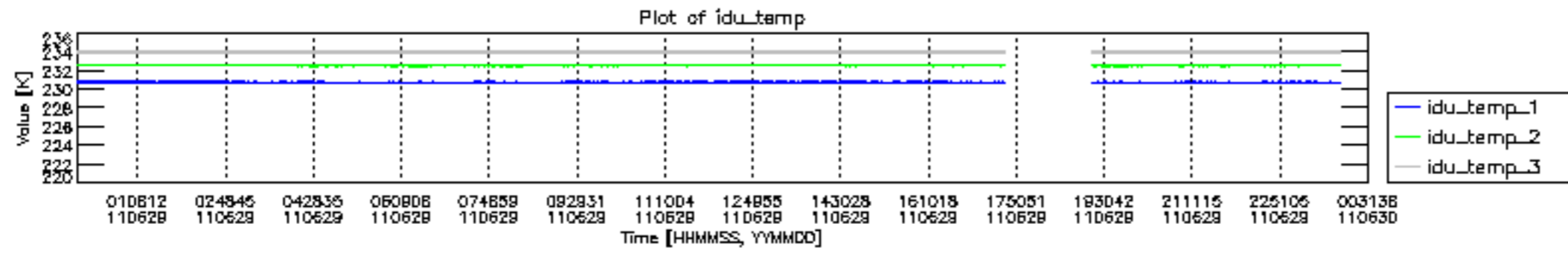


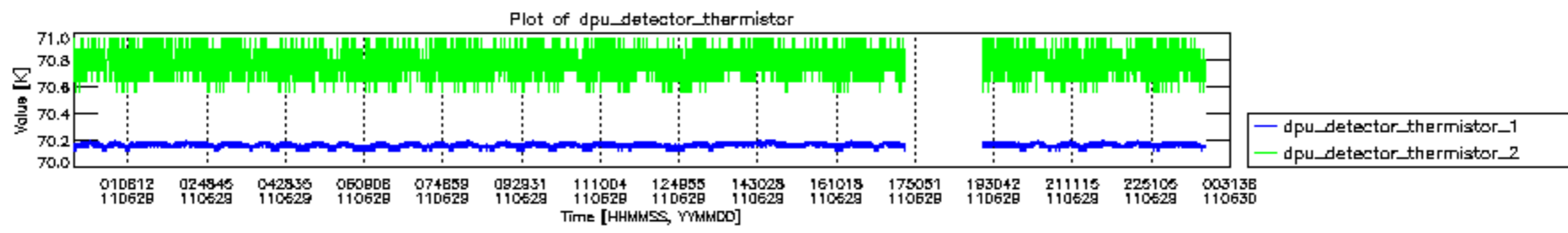
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110629\_13.PNG

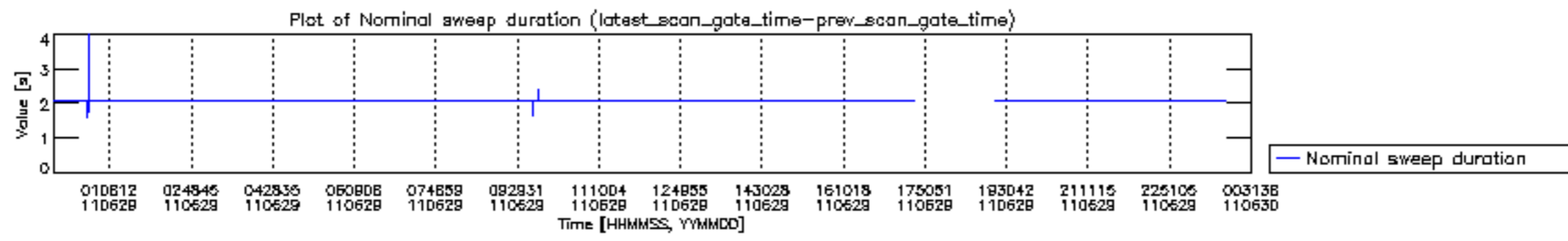


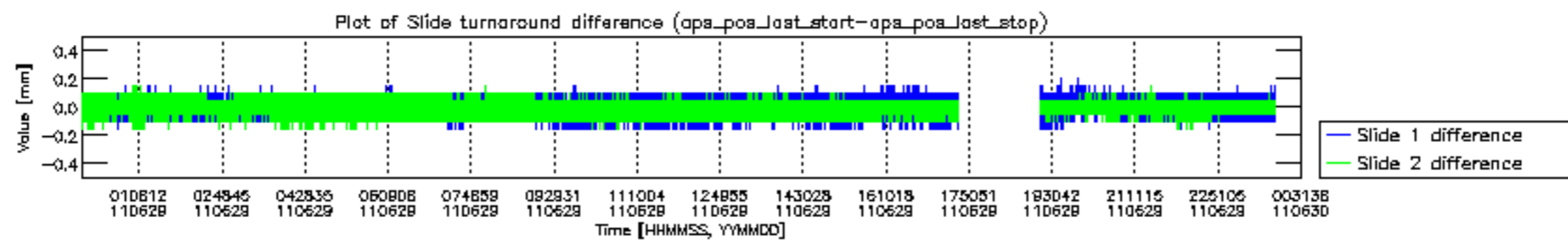


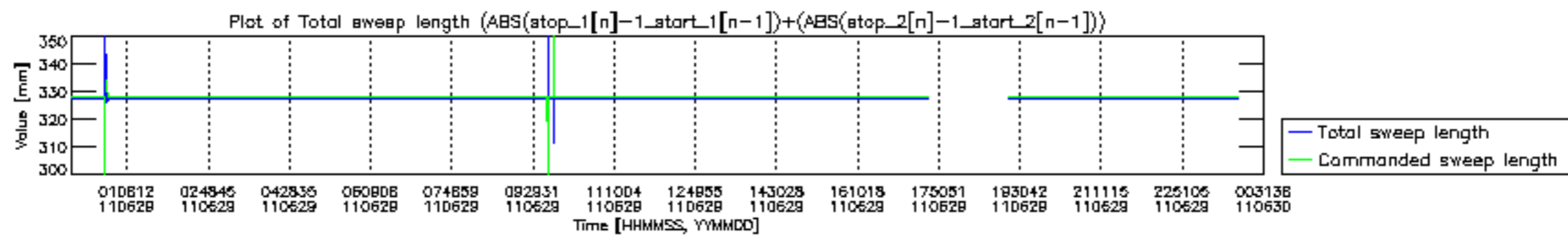


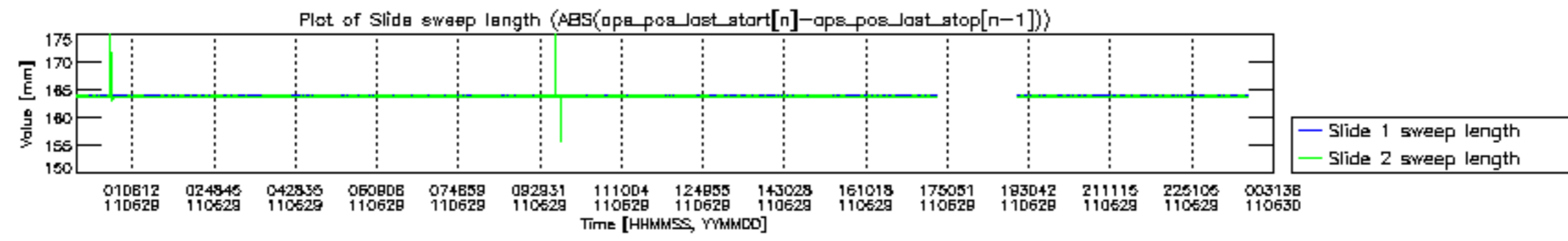


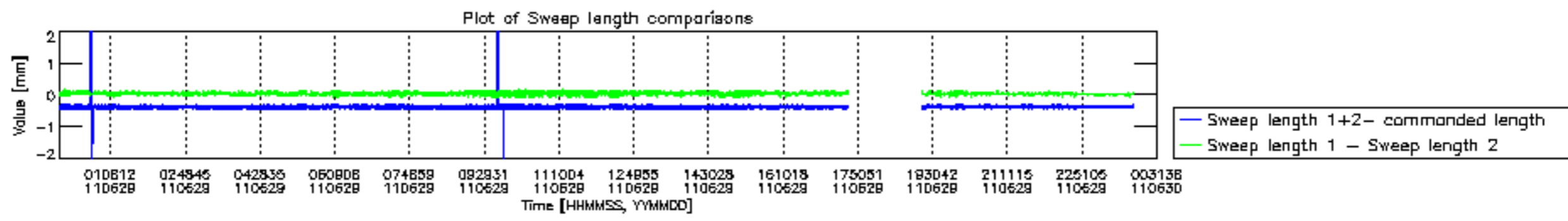


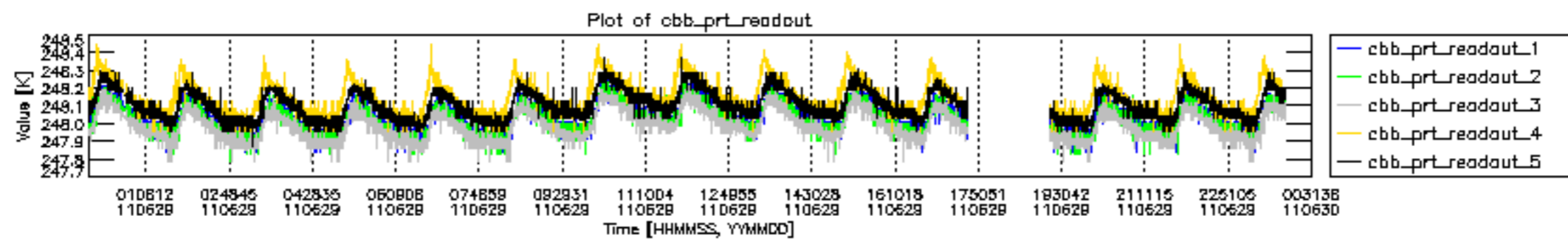




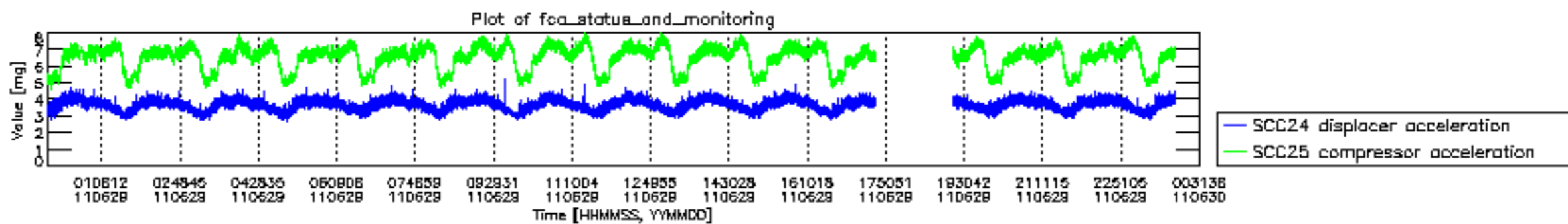












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

