

## 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	22JUN2011 05:22:24
Data source version	KSPT_L0/4504-N
Processing scope for products	17JUN2011 00:00:00 to 18JUN2011 00:00:00
Start time of first product within scope	17JUN2011 01:04:48
Stop time of last product within scope	18JUN2011 00:28:45
Total number of level 0 products	14
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__0PNPDE20110617_010448_000102763103_00318_48608_9053.N1	17JUN2011 01:04:48	17JUN2011 03:56:04	0	0	0	0	0
1	MIP_NL__0PNPDE20110617_035531_000061943103_00320_48610_9054.N1	17JUN2011 03:55:31	17JUN2011 05:38:45	0	0	0	0	0
2	MIP_NL__0PNPDE20110617_053814_000060163103_00321_48611_9055.N1	17JUN2011 05:38:14	17JUN2011 07:18:30	0	0	0	0	0
3	MIP_NL__0PNPDK20110617_071757_000040383103_00322_48612_5512.N1	17JUN2011 07:17:57	17JUN2011 08:25:15	0	0	0	0	0
4	MIP_NL__0PNPDK20110617_082441_000061753103_00323_48613_5513.N1	17JUN2011 08:24:41	17JUN2011 10:07:36	0	0	0	0	0
5	MIP_NL__0PNPDK20110617_100658_000059433103_00324_48614_5514.N1	17JUN2011 10:06:58	17JUN2011 11:46:02	0	0	0	0	0
6	MIP_NL__0PNPDK20110617_114518_000059523103_00325_48615_5515.N1	17JUN2011 11:45:18	17JUN2011 13:24:30	0	0	0	0	0
7	MIP_NL__0PNPDK20110617_132356_000058683103_00326_48616_5516.N1	17JUN2011 13:23:56	17JUN2011 15:01:44	0	0	0	0	0
8	MIP_NL__0PNPDK20110617_150101_000058973103_00327_48617_5517.N1	17JUN2011 15:01:01	17JUN2011 16:39:18	0	0	0	0	0
9	MIP_NL__0PNPDK20110617_163836_000058643103_00328_48618_5518.N1	17JUN2011 16:38:36	17JUN2011 18:16:20	0	0	0	0	0
10	MIP_NL__0PNPDK20110617_181524_000060483103_00329_48619_5519.N1	17JUN2011 18:15:24	17JUN2011 19:56:11	0	0	0	0	0
11	MIP_NL__0PNPDE20110617_195437_000041243103_00330_48620_9056.N1	17JUN2011 19:54:37	17JUN2011 21:03:21	0	0	0	0	0
12	MIP_NL__0PNPDE20110617_210225_000063533103_00330_48620_9057.N1	17JUN2011 21:02:25	17JUN2011 22:48:18	0	0	0	0	0
13	MIP_NL__0PNPDE20110617_224719_000060853103_00331_48621_9058.N1	17JUN2011 22:47:19	18JUN2011 00:28:45	0	0	0	0	0

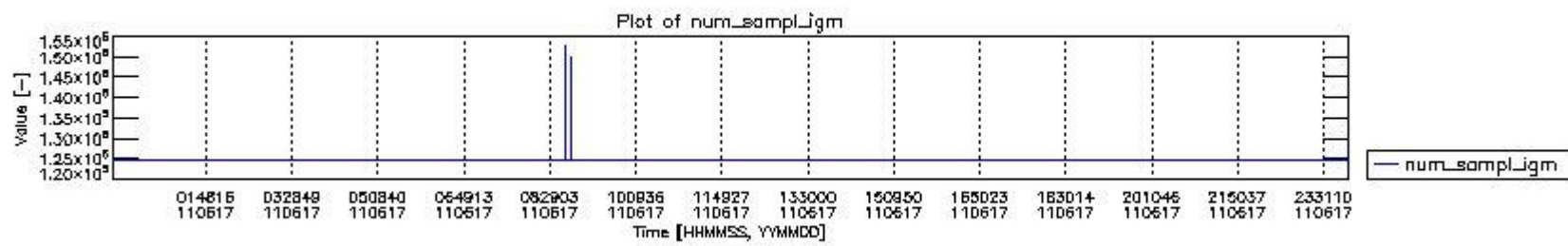
## 0.2 Instrument Operational Performance Parameters

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.

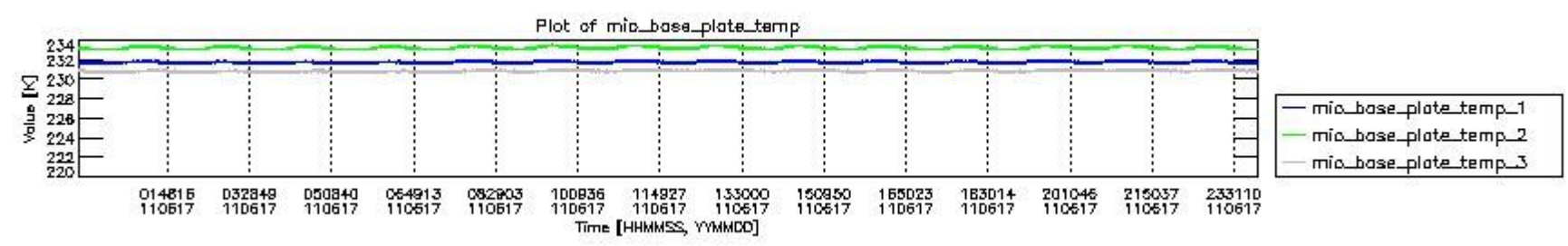
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124800	38575	92.882425
124803	2950	7.1031278
127382	1	0.0024078399
128720	1	0.0024078399

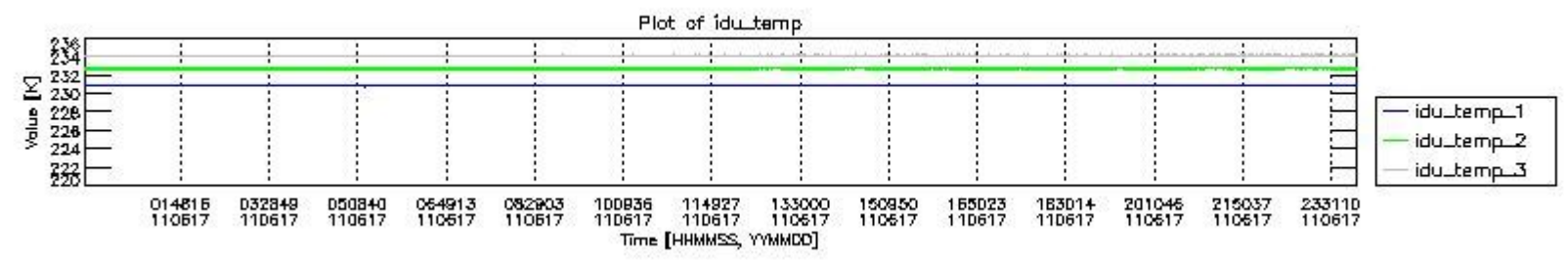
147514	1	0.0024078399
148852	1	0.0024078399
150096	1	0.0024078399
152772	1	0.0024078399



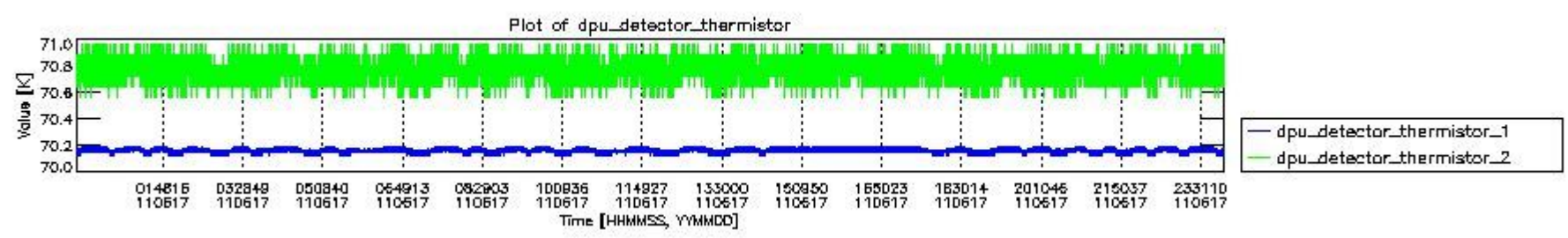
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110617\_0.PNG



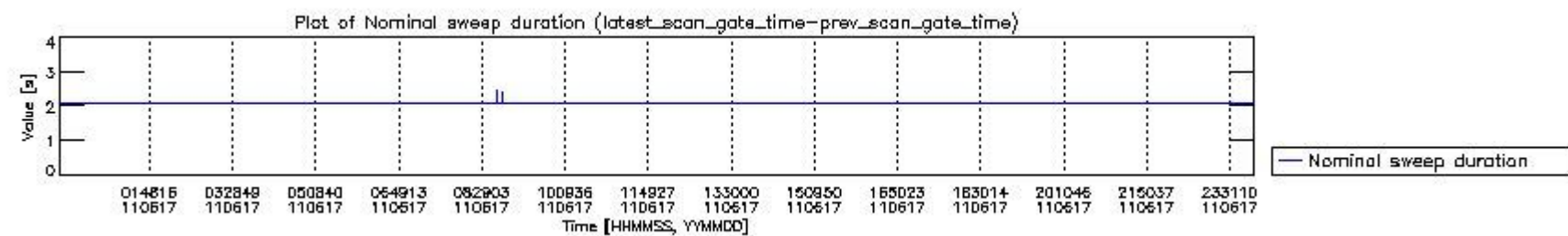
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110617\_1.PNG



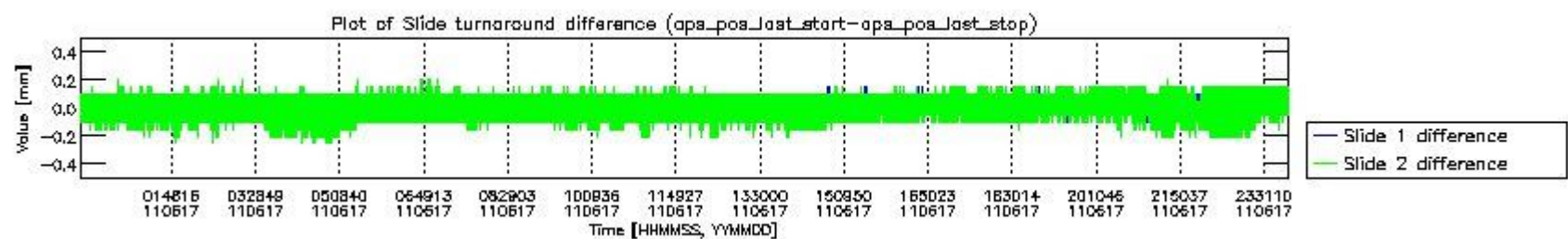
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mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110617\_3.PNG



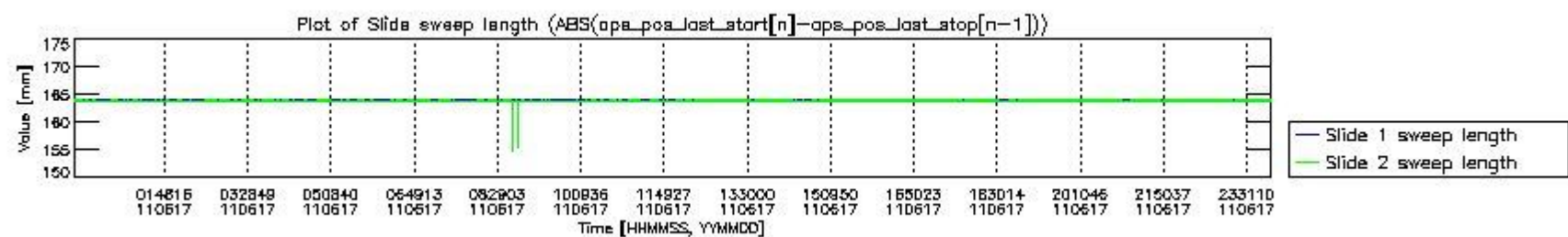
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110617\_4.PNG



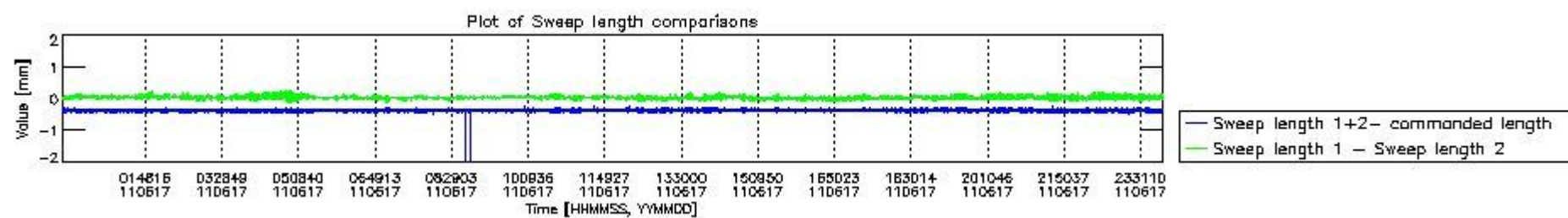
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110617\_5.PNG



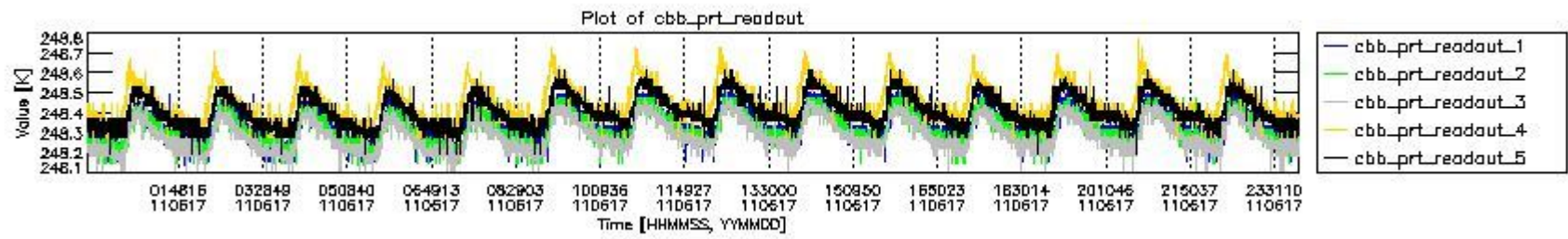
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110617\_6.PNG



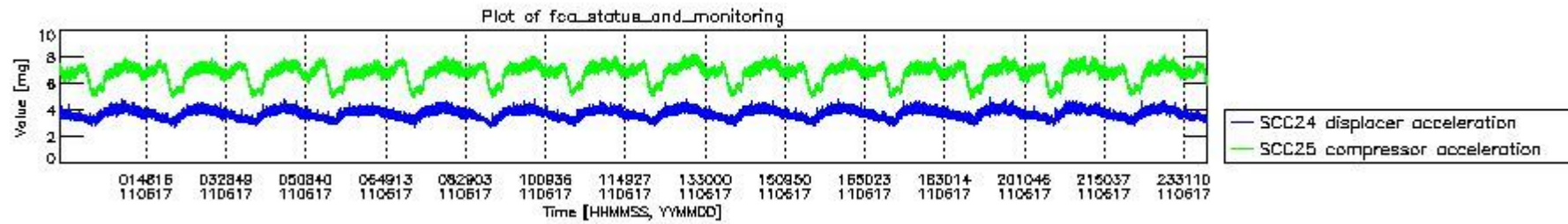
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110617\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110617\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110617\_9.PNG

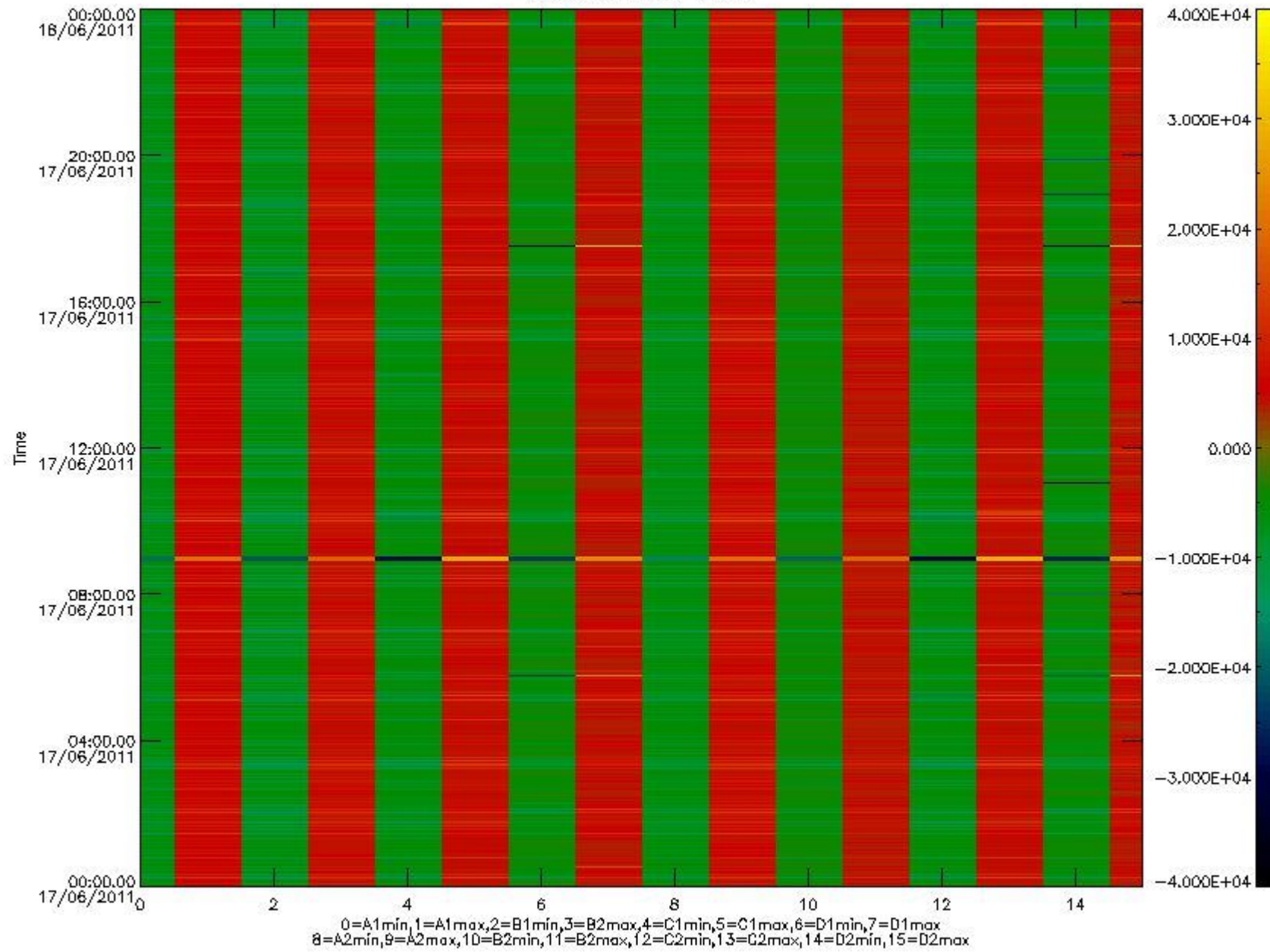


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110617\_10.PNG

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

Channel	Min	Max	ADC
A1	-19201	20443	16bit
B1	-22188	18929	16bit
C1	-28739	28634	16bit
D1	-32768	32767	16bit
A2	-16547	20593	16bit
B2	-20576	20095	16bit
C2	-29852	29453	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\_20110617\_11.PNG

### 0.3 ADF monitoring

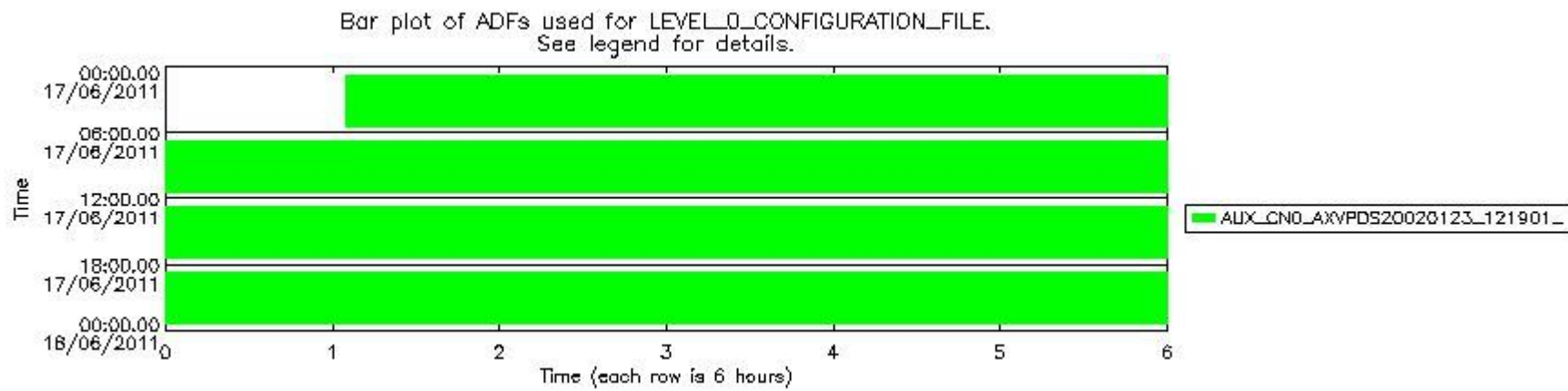
The use of ADFs is shown in two ways:

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.

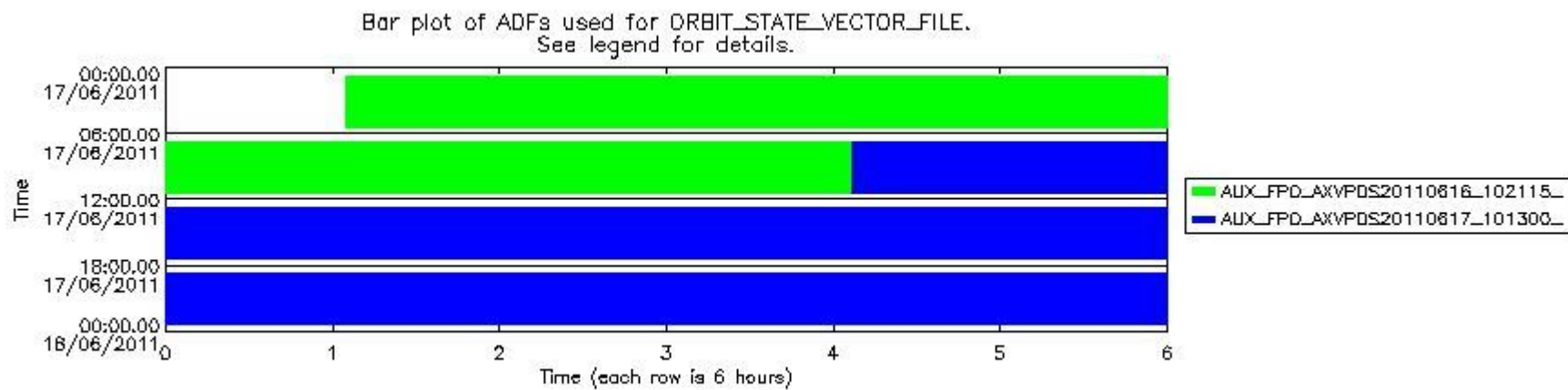
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110616_102115_20110615_191202_20110625_212548
2	AUX_FPO_AXVPDS20110617_101300_20110616_183518_20110626_204904

Number	Product name	#CN0	#FPO
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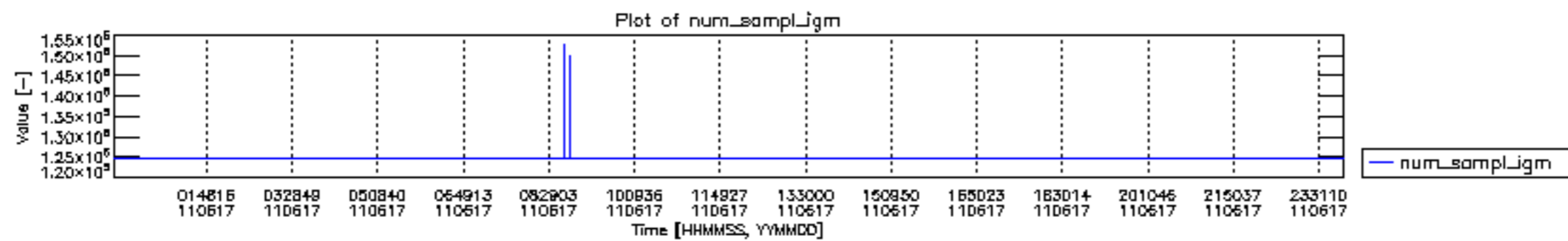
0	MIP_NL__0PNPDE20110617_010448_000102763103_00318_48608_9053.N1	0	1
1	MIP_NL__0PNPDE20110617_035531_000061943103_00320_48610_9054.N1	0	1
2	MIP_NL__0PNPDE20110617_053814_000060163103_00321_48611_9055.N1	0	1
3	MIP_NL__0PNPDK20110617_071757_000040383103_00322_48612_5512.N1	0	1
4	MIP_NL__0PNPDK20110617_082441_000061753103_00323_48613_5513.N1	0	1
5	MIP_NL__0PNPDK20110617_100658_000059433103_00324_48614_5514.N1	0	2
6	MIP_NL__0PNPDK20110617_114518_000059523103_00325_48615_5515.N1	0	2
7	MIP_NL__0PNPDK20110617_132356_000058683103_00326_48616_5516.N1	0	2
8	MIP_NL__0PNPDK20110617_150101_000058973103_00327_48617_5517.N1	0	2
9	MIP_NL__0PNPDK20110617_163836_000058643103_00328_48618_5518.N1	0	2
10	MIP_NL__0PNPDK20110617_181524_000060483103_00329_48619_5519.N1	0	2
11	MIP_NL__0PNPDE20110617_195437_000041243103_00330_48620_9056.N1	0	2
12	MIP_NL__0PNPDE20110617_210225_000063533103_00330_48620_9057.N1	0	2
13	MIP_NL__0PNPDE20110617_224719_000060853103_00331_48621_9058.N1	0	2

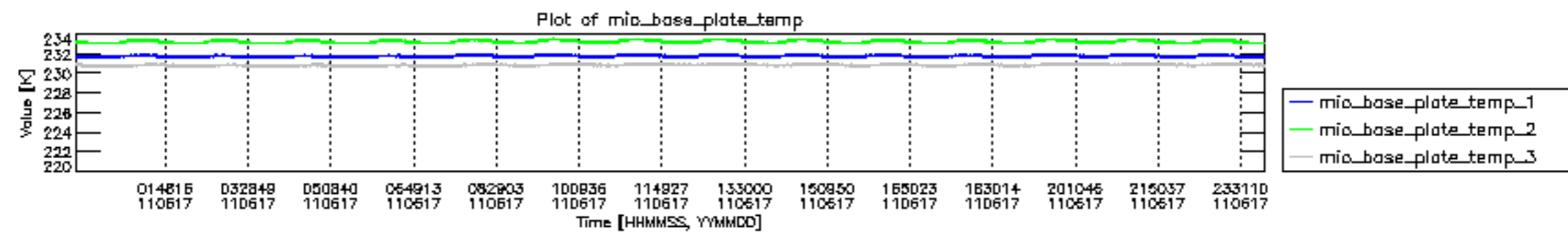


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110617\_12.PNG

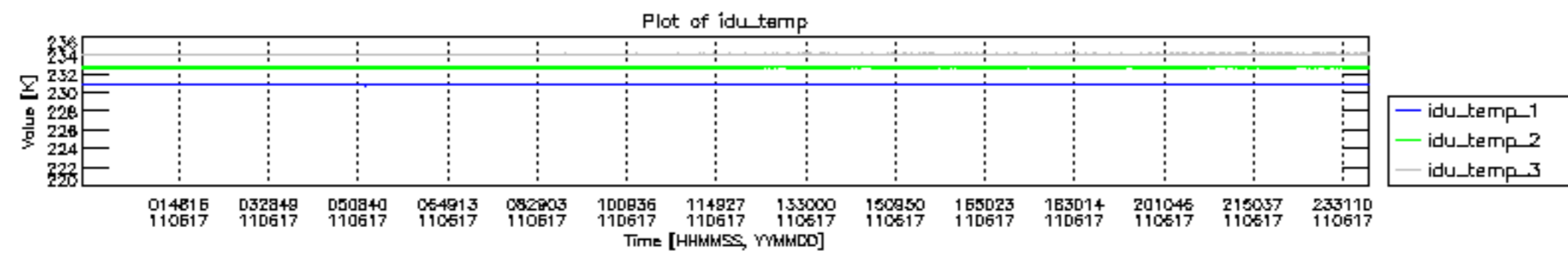


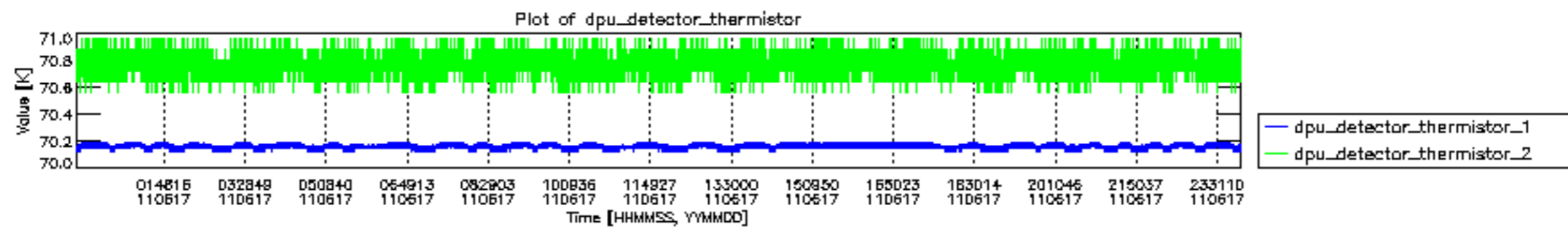
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110617\_13.PNG

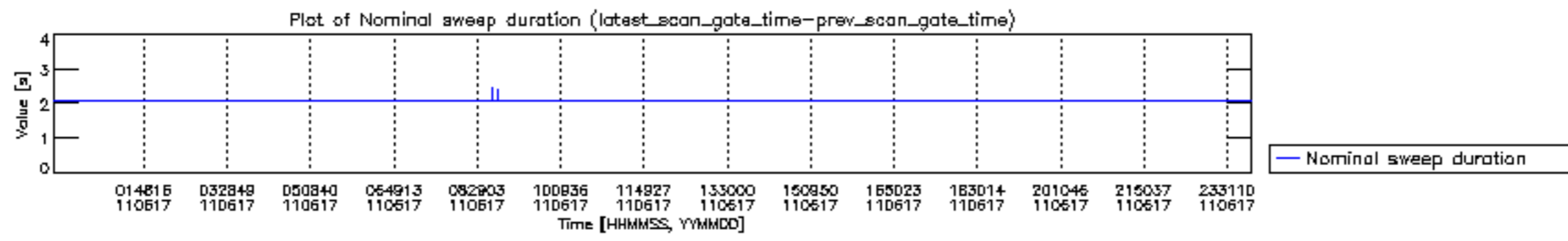


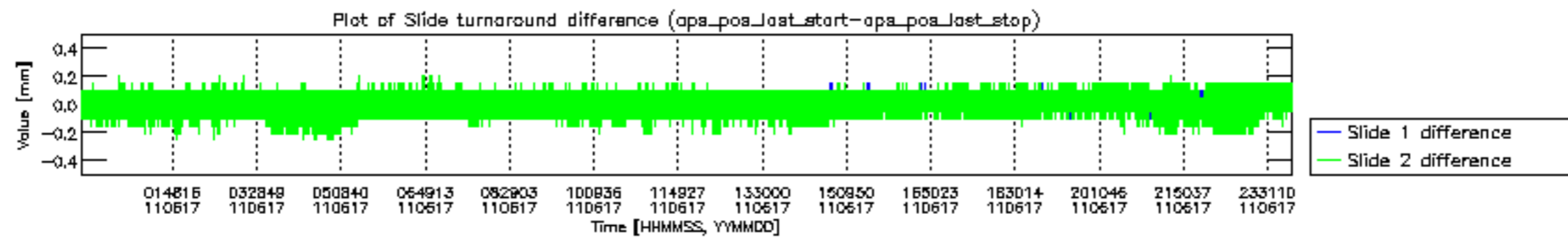


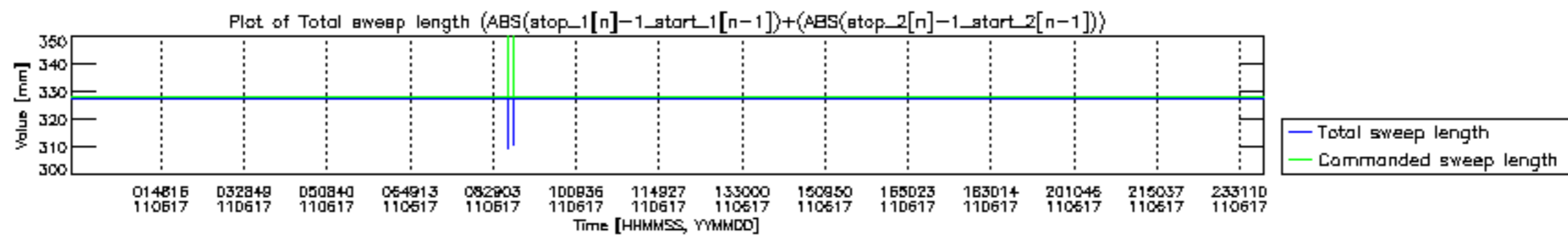


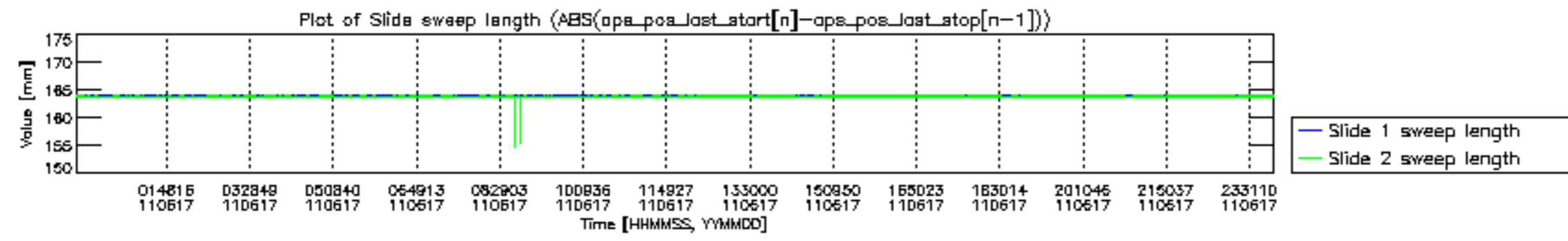


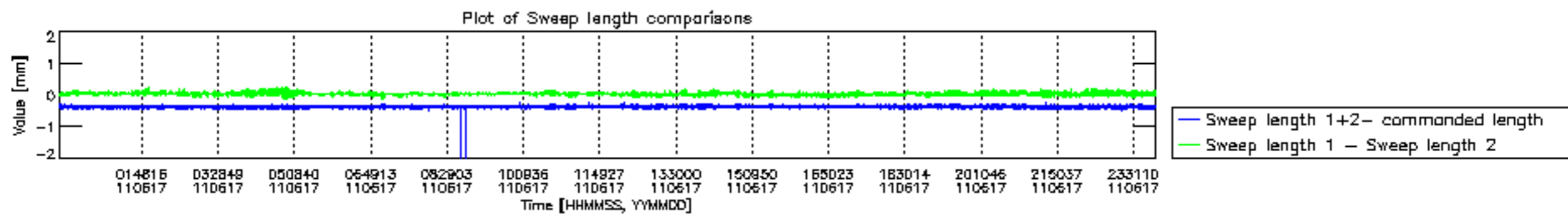


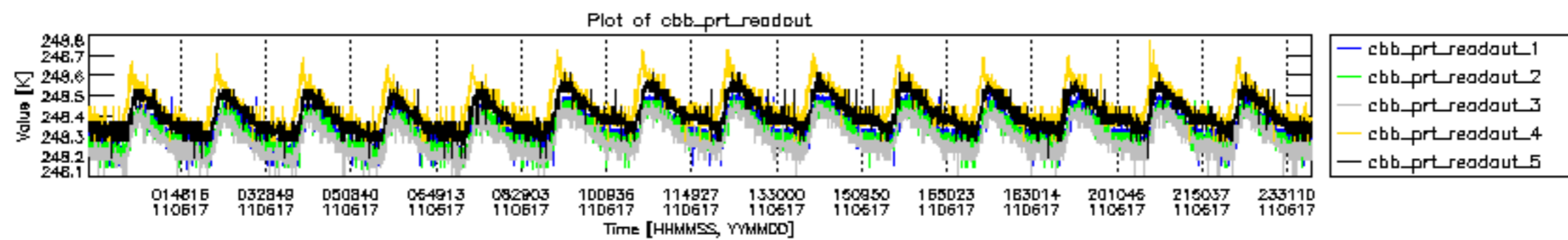




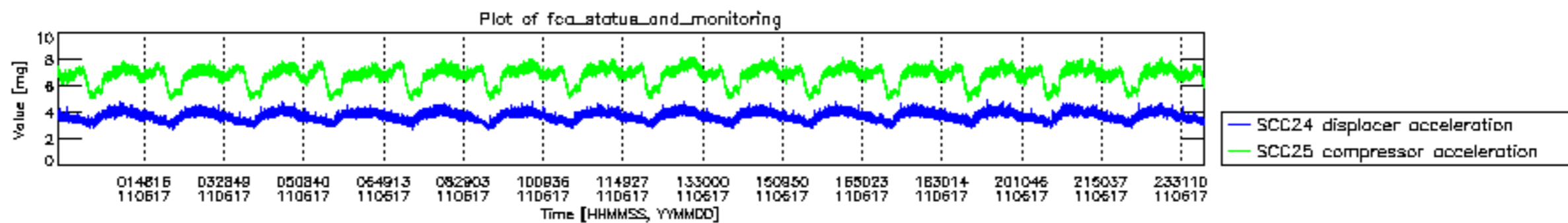












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

