

## 0. MIPAS Daily Report for level 0 products

### [0.1 General Info](#)

### [0.2 Instrument Operational Performance Parameters](#)

### [0.3 ADF monitoring](#)

## 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	18JUN2011 05:23:58
Data source version	KSPT_L0/4504-N
Processing scope for products	13JUN2011 00:00:00 to 14JUN2011 00:00:00
Start time of first product within scope	13JUN2011 00:11:20
Stop time of last product within scope	14JUN2011 01:15:52
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__0PNPDE20110613_001120_000059143103_00260_48550_9023.N1	13JUN2011 00:11:20	13JUN2011 01:49:54	0	0	0	0	0
1	MIP_NL__0PNPDE20110613_014849_000044163103_00261_48551_9024.N1	13JUN2011 01:48:49	13JUN2011 03:02:25	0	0	0	0	0
2	MIP_NL__0PNPDE20110613_030150_000061483103_00262_48552_9025.N1	13JUN2011 03:01:50	13JUN2011 04:44:18	0	0	0	0	0
3	MIP_NL__0PNPDE20110613_044342_000060963103_00263_48553_9026.N1	13JUN2011 04:43:42	13JUN2011 06:25:18	0	0	0	0	0
4	MIP_NL__0PNPDK20110613_062441_000010903103_00264_48554_5476.N1	13JUN2011 06:24:41	13JUN2011 06:42:51	0	0	0	0	0
5	MIP_NL__0PNPDK20110613_073207_000061053103_00265_48555_5478.N1	13JUN2011 07:32:07	13JUN2011 09:13:53	0	0	0	0	0
6	MIP_NL__0PNPDK20110613_091309_000059583103_00266_48556_5479.N1	13JUN2011 09:13:09	13JUN2011 10:52:27	0	0	0	0	0
7	MIP_NL__0PNPDK20110613_105141_000059943103_00267_48557_5480.N1	13JUN2011 10:51:41	13JUN2011 12:31:35	0	0	0	0	0
8	MIP_NL__0PNPDK20110613_123053_000059793103_00268_48558_5481.N1	13JUN2011 12:30:53	13JUN2011 14:10:32	0	0	0	0	0
9	MIP_NL__0PNPDK20110613_140958_000058543103_00269_48559_5482.N1	13JUN2011 14:09:58	13JUN2011 15:47:32	0	0	0	0	0
10	MIP_NL__0PNPDK20110613_154650_000058833103_00270_48560_5483.N1	13JUN2011 15:46:50	13JUN2011 17:24:53	0	0	0	0	0
11	MIP_NL__0PNPDK20110613_172401_000058703103_00271_48561_5484.N1	13JUN2011 17:24:01	13JUN2011 19:01:51	0	0	0	0	0
12	MIP_NL__0PNPDK20110613_190052_000060793103_00272_48562_5485.N1	13JUN2011 19:00:52	13JUN2011 20:42:11	0	0	0	0	0
13	MIP_NL__0PNPDE20110613_204029_000043433103_00273_48563_9027.N1	13JUN2011 20:40:29	13JUN2011 21:52:52	0	0	0	0	0
14	MIP_NL__0PNPDE20110613_215147_000062403103_00273_48563_9028.N1	13JUN2011 21:51:47	13JUN2011 23:35:47	0	0	0	0	0
15	MIP_NL__0PNPDE20110613_233443_000060693103_00274_48564_9029.N1	13JUN2011 23:34:43	14JUN2011 01:15:52	0	0	0	0	0

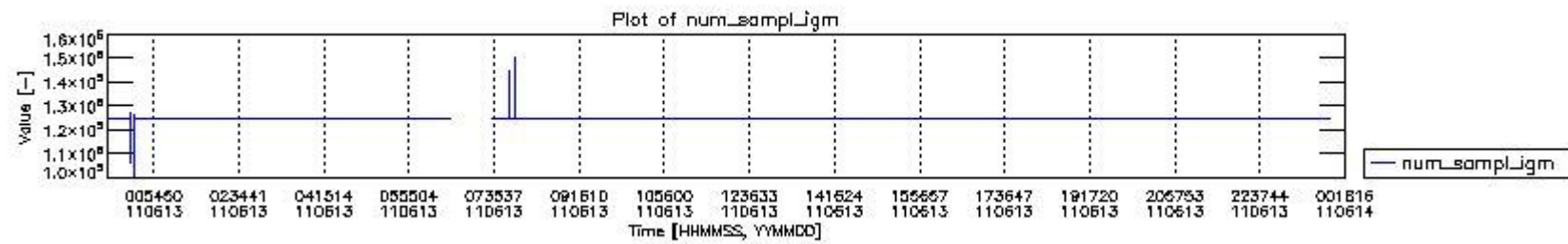
## 0.2 Instrument Operational Performance Parameters

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.

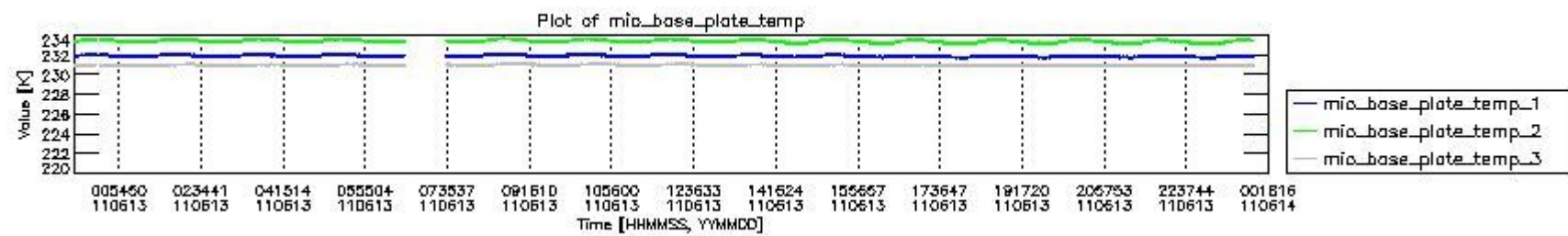
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100409	1	0.0024969412
106790	1	0.0024969412

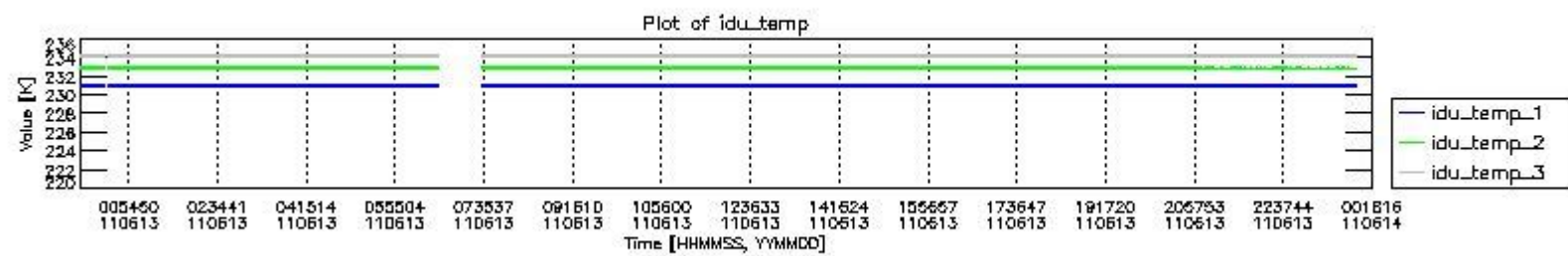
108912	1	0.0024969412
124631	1	0.0024969412
124800	37751	94.262029
124803	2286	5.7080077
125661	1	0.0024969412
126522	1	0.0024969412
126922	1	0.0024969412
127382	1	0.0024969412
144594	1	0.0024969412
144763	1	0.0024969412
147514	1	0.0024969412
150096	1	0.0024969412



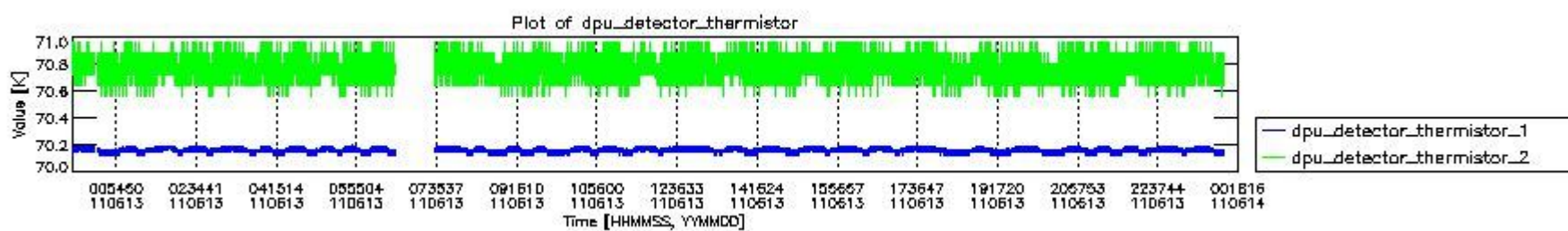
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110613\_0.PNG



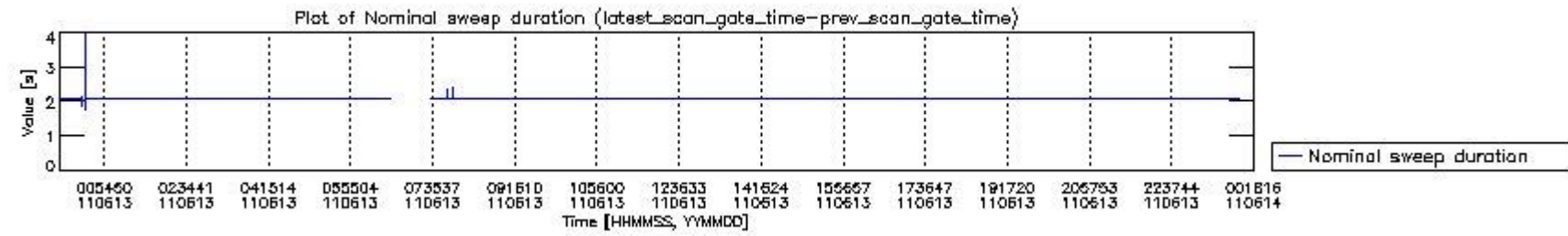
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110613\_1.PNG



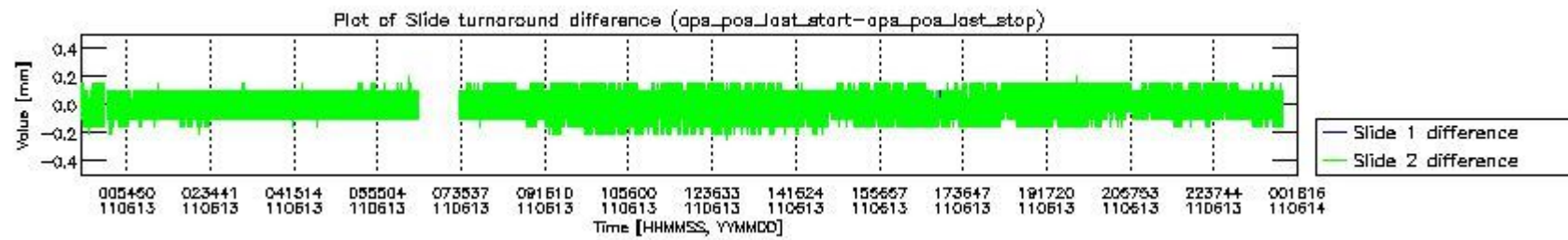
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110613\_2.PNG



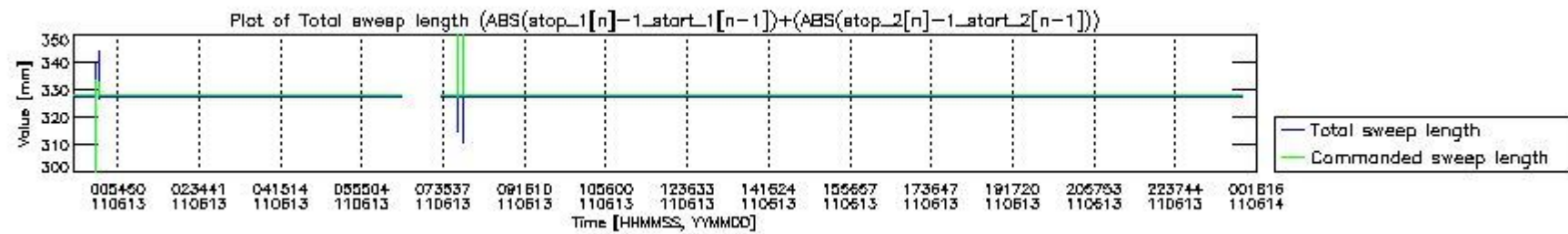
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110613\_3.PNG



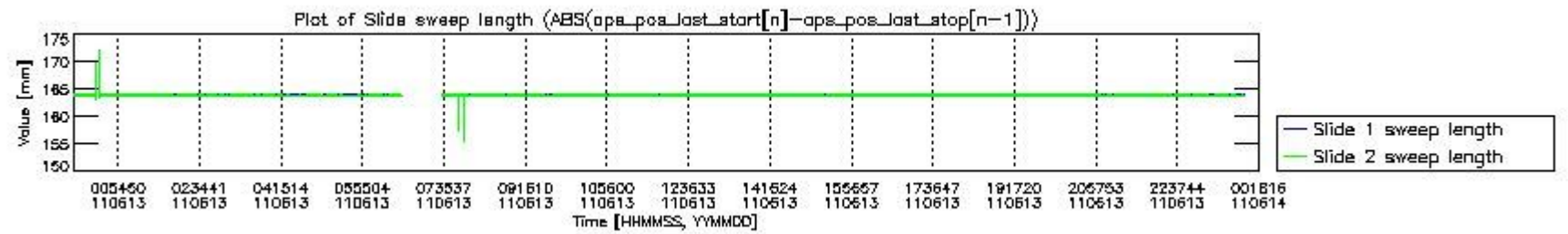
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110613\_4.PNG



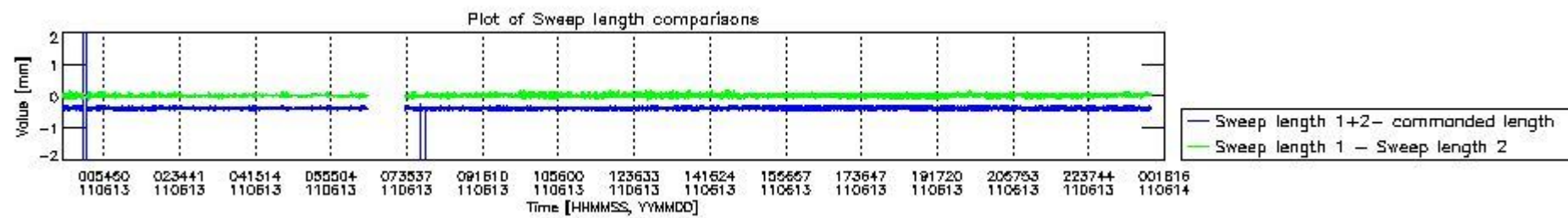
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110613\_5.PNG



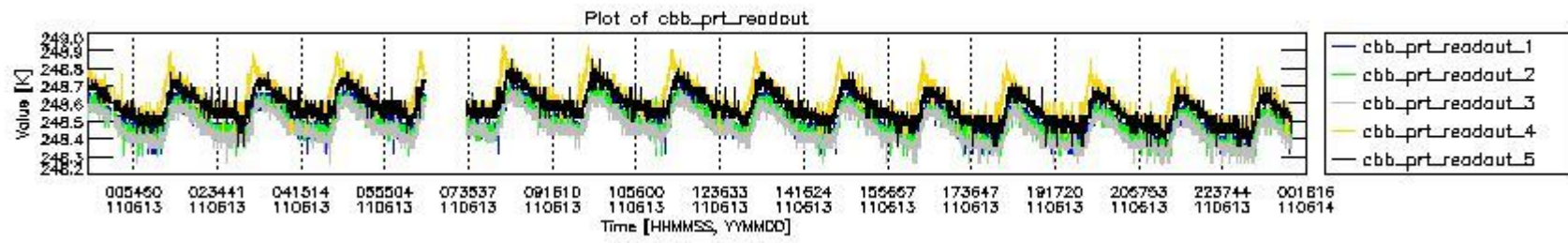
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110613\_6.PNG



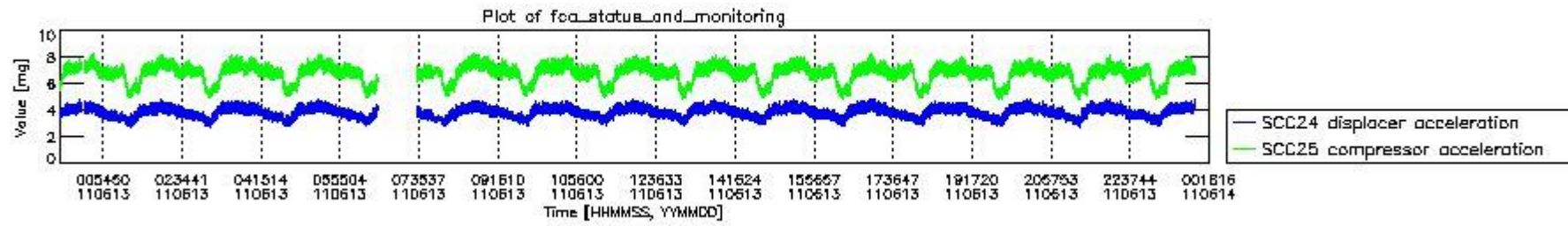
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110613\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110613\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110613\_9.PNG



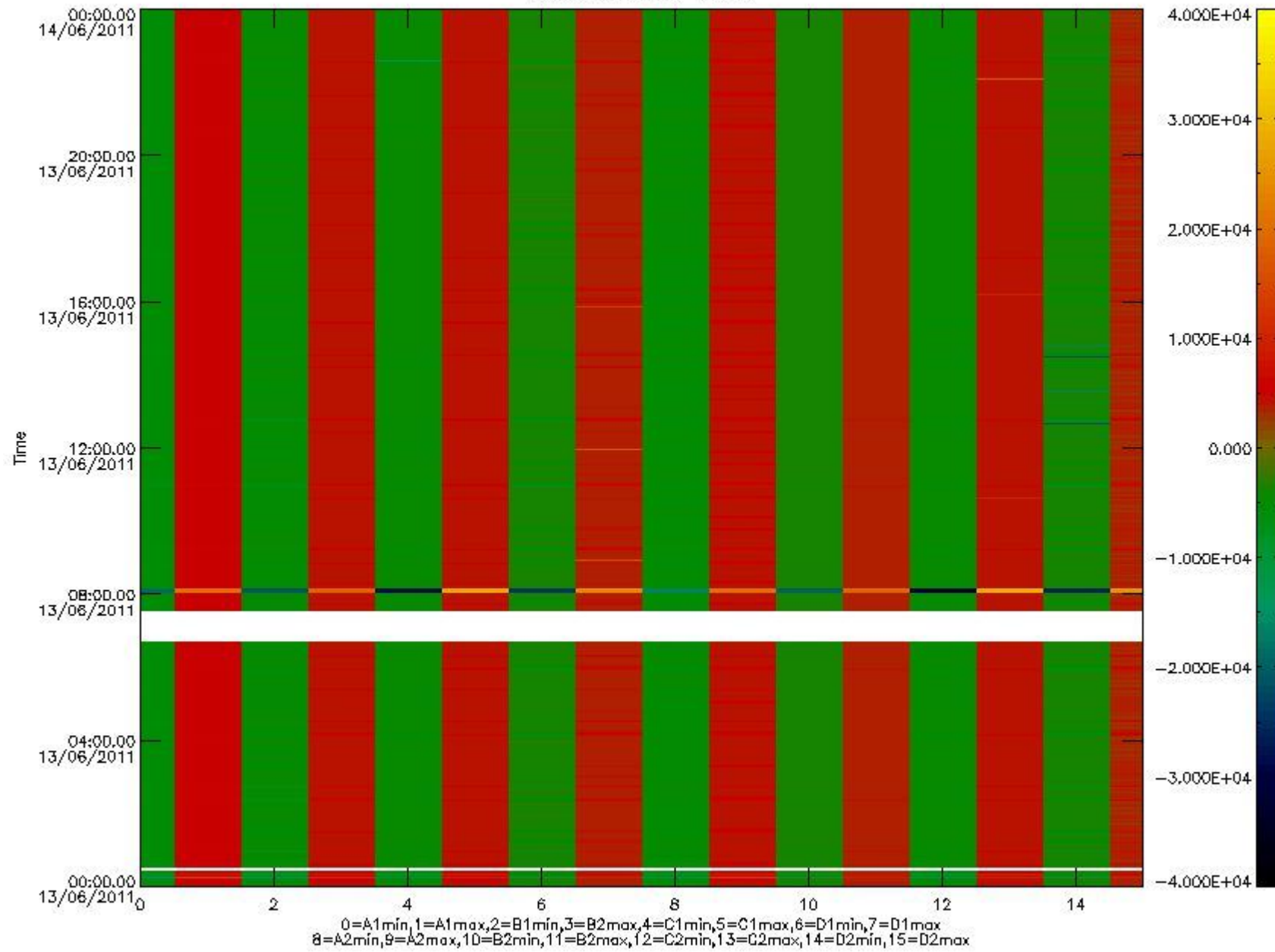
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110613\_10.PNG

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

Channel	Min	Max	ADC
A1	-19282	20536	16bit
B1	-22333	19025	16bit
C1	-29000	28945	16bit
D1	-24806	32767	16bit
A2	-16600	20673	16bit
B2	-20753	20261	16bit
C2	-30093	29776	16bit
D2	-32768	27157	16bit



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



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110613\_11.PNG

### 0.3 ADF monitoring

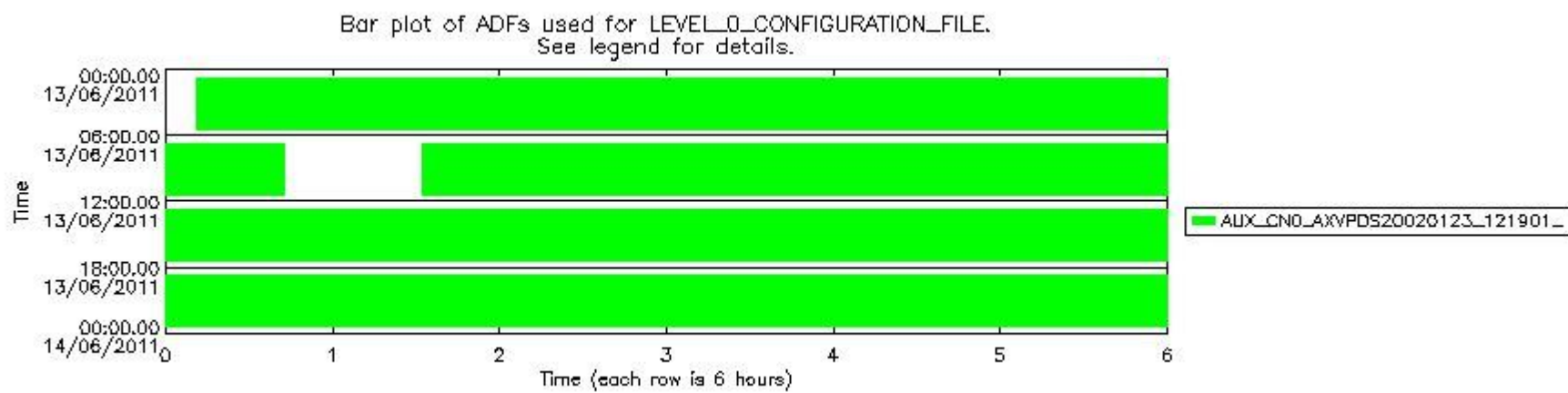
The use of ADFs is shown in two ways:

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.

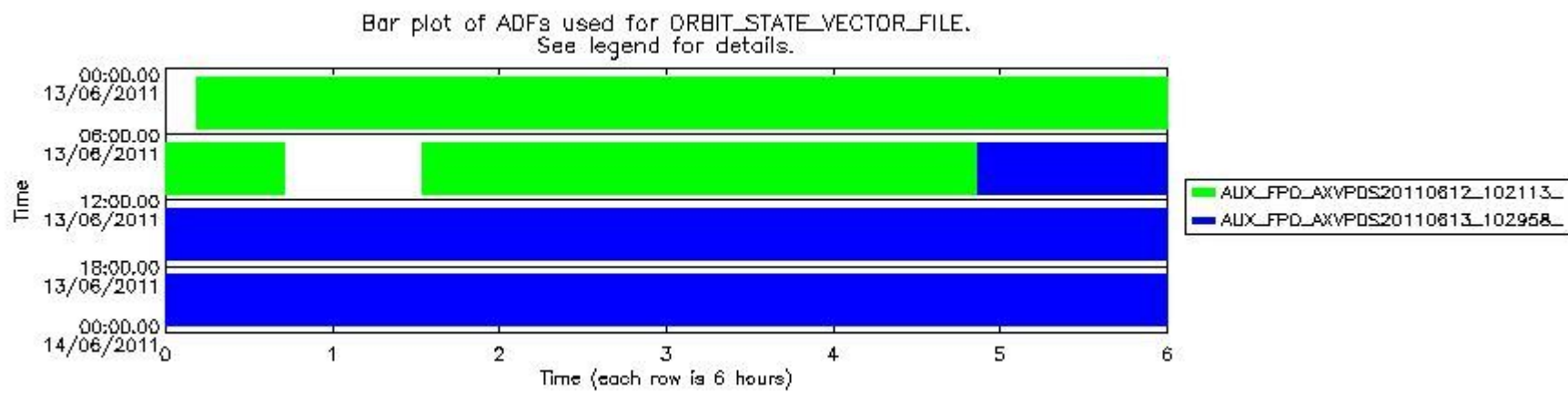
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110612_102113_20110611_195845_20110621_203218
2	AUX_FPO_AXVPDS20110613_102958_20110612_192201_20110622_213549

Number	Product name	#CN0	#FPO
--------	--------------	------	------

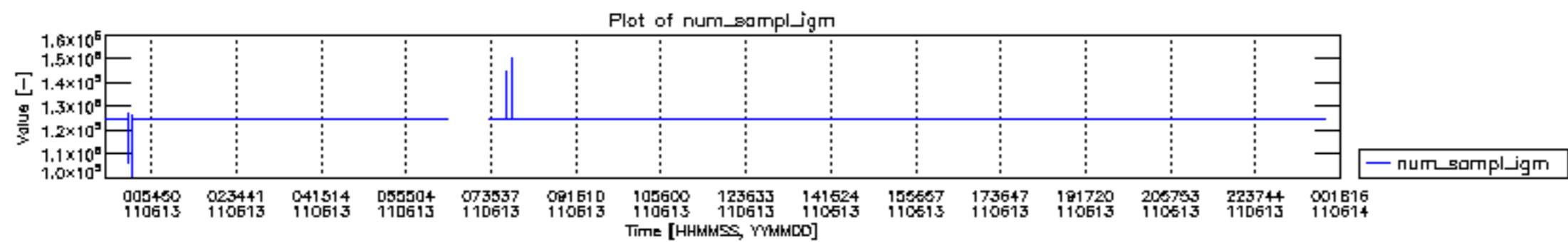
0	MIP_NL__0PNPDE20110613_001120_000059143103_00260_48550_9023.N1	0	1
1	MIP_NL__0PNPDE20110613_014849_000044163103_00261_48551_9024.N1	0	1
2	MIP_NL__0PNPDE20110613_030150_000061483103_00262_48552_9025.N1	0	1
3	MIP_NL__0PNPDE20110613_044342_000060963103_00263_48553_9026.N1	0	1
4	MIP_NL__0PNPDK20110613_062441_000010903103_00264_48554_5476.N1	0	1
5	MIP_NL__0PNPDK20110613_073207_000061053103_00265_48555_5478.N1	0	1
6	MIP_NL__0PNPDK20110613_091309_000059583103_00266_48556_5479.N1	0	1
7	MIP_NL__0PNPDK20110613_105141_000059943103_00267_48557_5480.N1	0	2
8	MIP_NL__0PNPDK20110613_123053_000059793103_00268_48558_5481.N1	0	2
9	MIP_NL__0PNPDK20110613_140958_000058543103_00269_48559_5482.N1	0	2
10	MIP_NL__0PNPDK20110613_154650_000058833103_00270_48560_5483.N1	0	2
11	MIP_NL__0PNPDK20110613_172401_000058703103_00271_48561_5484.N1	0	2
12	MIP_NL__0PNPDK20110613_190052_000060793103_00272_48562_5485.N1	0	2
13	MIP_NL__0PNPDE20110613_204029_000043433103_00273_48563_9027.N1	0	2
14	MIP_NL__0PNPDE20110613_215147_000062403103_00273_48563_9028.N1	0	2
15	MIP_NL__0PNPDE20110613_233443_000060693103_00274_48564_9029.N1	0	2

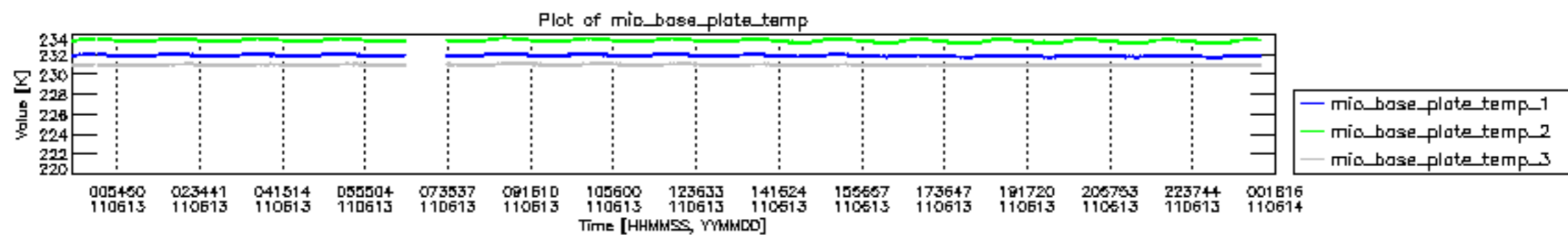


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110613\_12.PNG

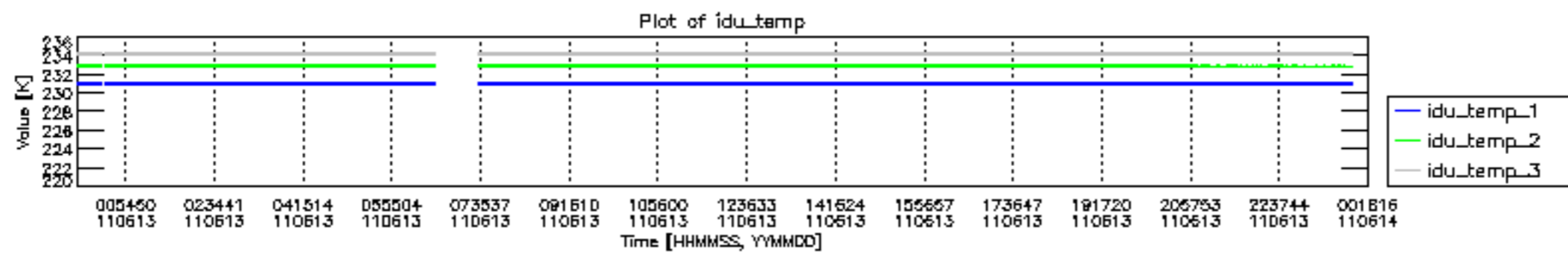


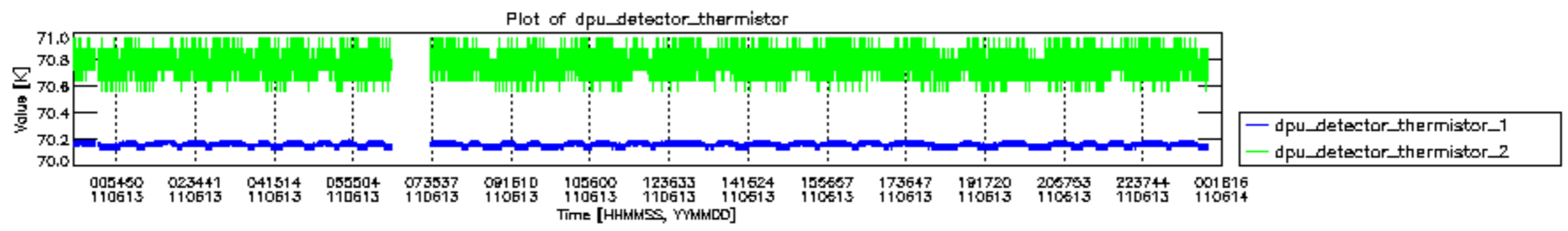
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110613\_13.PNG

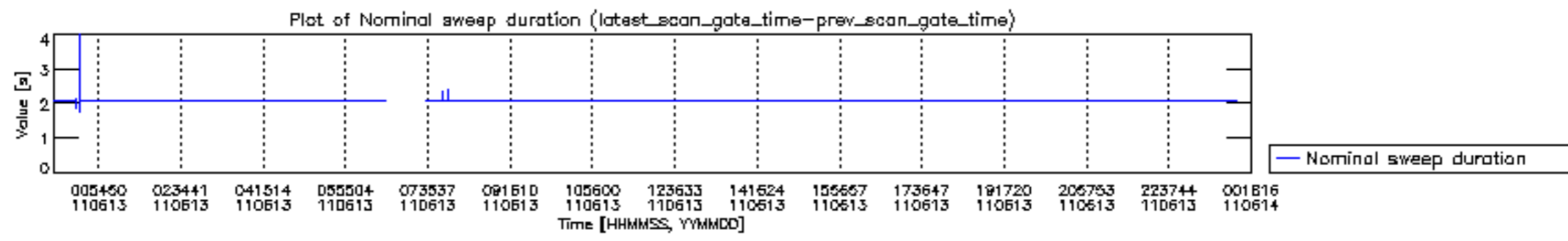


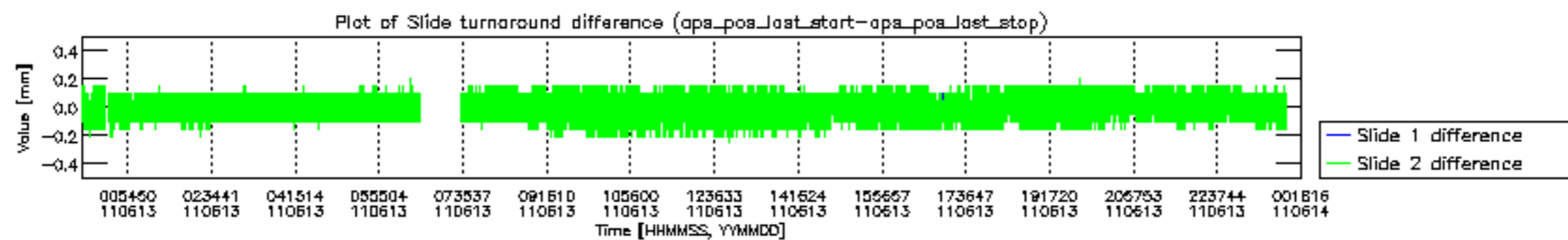


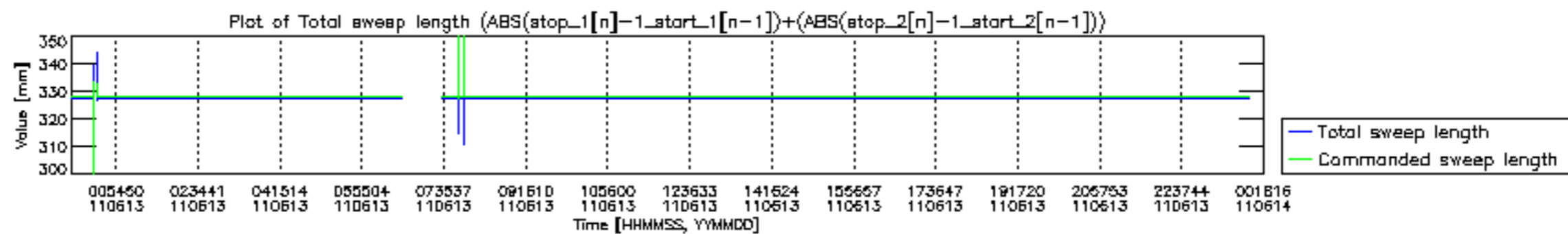




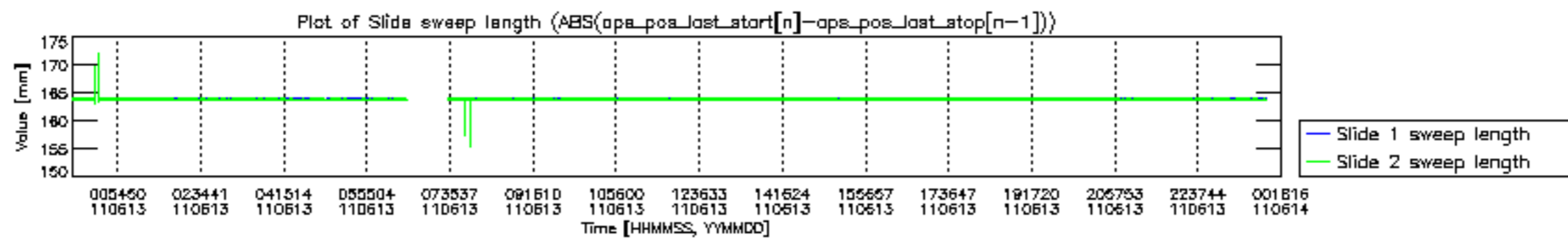


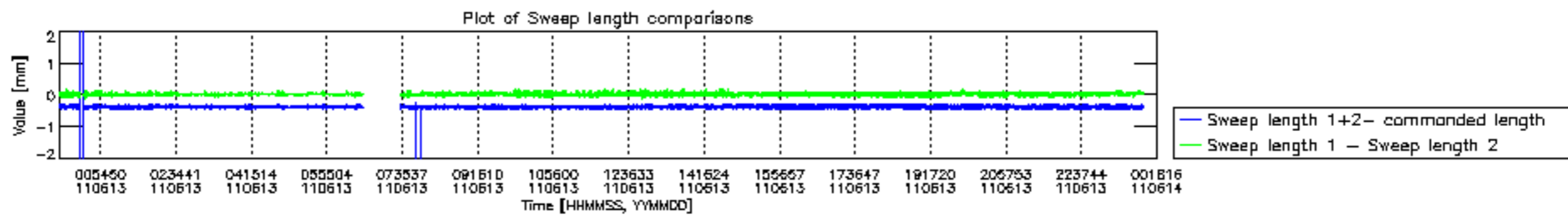


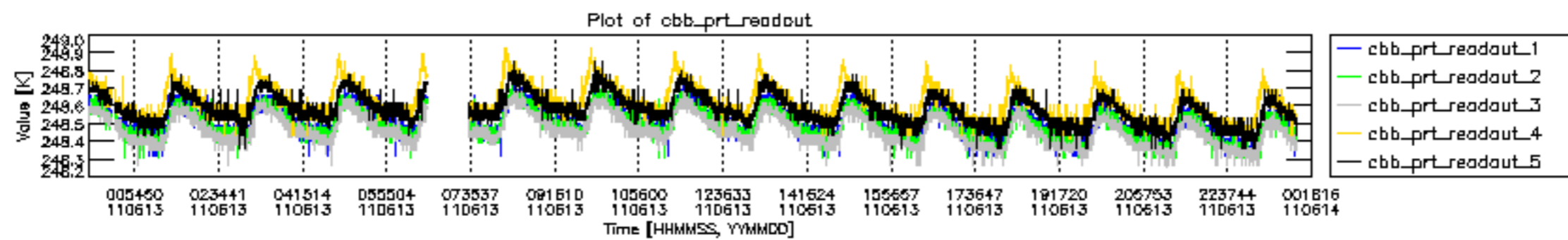


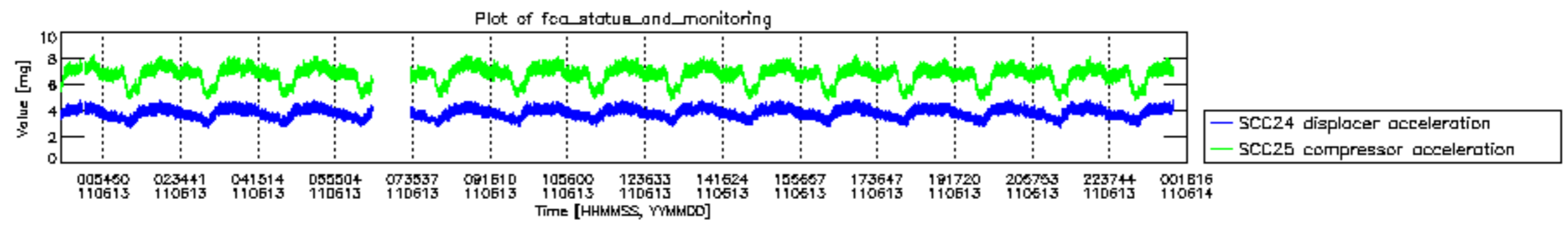












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

